WIS

PROJECT ID: 6934-06-73

WITH: N/A

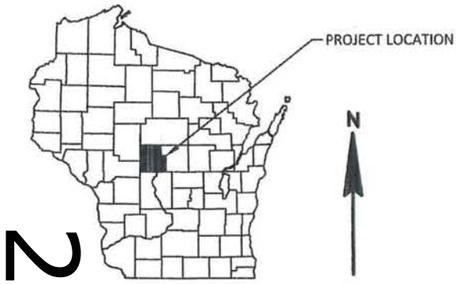
COUNTY: WOOD

MARCH 2026

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 = 440



28

DESIGN DESIGNATION

A.A.D.T.	(2026)	=	1,300
A.A.D.T.	(2046)	=	1,300
D.H.V.		=	104 VPH
D.D.		=	62/38
T.		=	6.3%
DESIGN SPEED		=	30MPH/40MPH
ESALS		=	110,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE			
SLOPE INTERCEPT		CULVERT (Profile View)	
REFERENCE LINE	300'E'	UTILITIES	
EXISTING CULVERT		ELECTRIC	E
PROPOSED CULVERT (Box or Pipe)		FIBER OPTIC	FO
COMBUSTIBLE FLUIDS	CAUTION	GAS	G
		SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V BIRON, CTH U

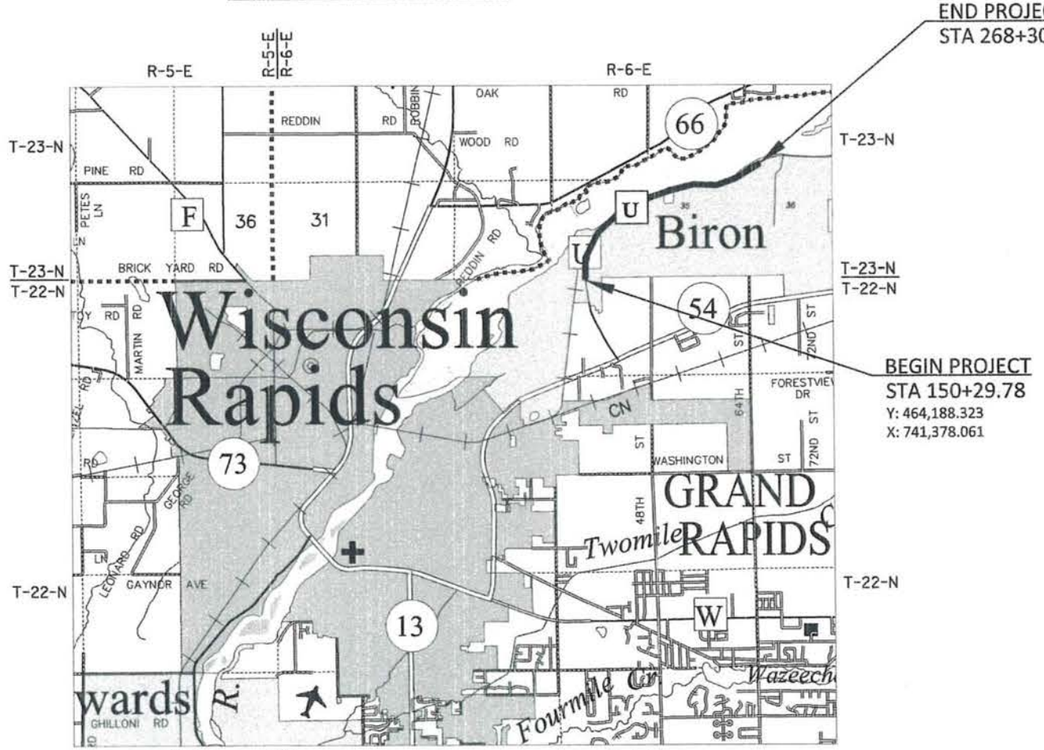
BIRON DRIVE SOUTH TO HUFFMAN ROAD

CTH U

WOOD COUNTY

STATE PROJECT NUMBER
6934-06-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6934-06-73	WISC 2026235	1



LAYOUT

SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 2.235 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WOOD COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 2012A

ACCEPTED FOR
VILLAGE OF BIRON

(Signature)

Date 10/21/25 Public Works Director
(Title of Official)

ACCEPTED FOR
COUNTY OF WOOD

(Signature)

Date 10-9-25 Commissioner
(Title of Official)

ORIGINAL PLANS PREPARED BY

Westwood

WISCONSIN
STEVEN M. SEYMOUR
E-36629
APPLETON, WI
PROFESSIONAL ENGINEER

DATE: 10-08-25 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WESTWOOD
Designer	WESTWOOD
Project Manager	JASON SCHAEFFER
Regional Examiner	NC REGION
Regional Supervisor	DAN ERVA

APPROVED FOR THE DEPARTMENT

DATE: 10/22/2025 (Signature)

E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-010101-TI.DWG

PLOT DATE : 10/7/2025 2:06 PM PLOT BY : ANDY WESTBROOK PLOT NAME :

GENERAL NOTES

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

DISTURBED AREAS ADJACENT TO LAWNS SHALL BE SEEDED WITH MIXTURE NO. 40.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED WITH THE ENGINEER IN THE FIELD.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

THE EXACT LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. INSTALL EROSION CONTROL WITHIN R/W AND EASTMENT AREAS.

CURB AND GUTTER RADII ARE SHOWN TO THE CURB FLANGE LINE.

WETLAND AREAS ARE SHOWN ON THE PLANS. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO WORK WITHIN THE SLOPE INTERCEPTS IN THE WETLAND AREAS.

ABBREVIATIONS

CWPC	CONSOLIDATED WATER POWER COMPANY
WRWWLC	WISCONSIN RAPIDS WATER WORKS & LIGHT COMPANY
PROP	PROPOSED

UTILITY CONTACTS

CONSOLIDATED WATER POWER COMPANY - ELECTRIC

DAVE STRAKA
610 HIGH ST
WISCONSIN RAPIDS, WI 54495
TEL: 715-422-3480
CELL: 715-459-2986
EMAIL: DAVID.STRAKA@BILLERUD.COM

SOLARUS (CONSTRUCTION CONTACT) - COMMUNICATION

DENNIS PIERCE
440 E GRAND AVE
WISCONSIN RAPIDS, WI 54494
TEL: 715-421-8172
CELL: 715-572-0152
EMAIL: PIERCE@SOLARUS.NET

SPECTRUM - COMMUNICATION

PAUL GROVE
5024 HEFFRON ST
STEVENS POINT, WI 54481
CELL: 854-683-0146
EMAIL: PAUL.GROVE@CHARTER.COM

VILLAGE OF BIRON - SANITARY

KAYLA LUMAYE
541 KAHOUN RD
WISCONSIN RAPIDS, WI 54494
TEL: 715-323-2001
EMAIL: PUBLICWORKS@BIRON.WI.GOV

VILLAGE OF BIRON - WATER

KAYLA LUMAYE
541 KAHOUN RD
WISCONSIN RAPIDS, WI 54494
TEL: 715-323-2001
EMAIL: PUBLICWORKS@BIRON.WI.GOV

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

WE ENERGIES - GAS

GAS EMERGENCY CONTACT: 1-800-261-5325

LARRY KOCH
1921 8TH ST SOUTH
WISCONSIN RAPIDS, WI 54494
TEL: 715-421-7249
CELL: 715-421-9293
EMAIL: LARRY.KOCH@WE-ENERGIES.COM

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION - ELECTRIC

WORKS & LIGHT COMMISSION
JACOB JOHNSON
221 16TH ST SOUTH
WISCONSIN RAPIDS, WI 54494
TEL: 715-423-6328
EMAIL: JACOB.JOHNSON@WRWWLC.COM

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
MEDIAN STRIP	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
- TURF	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
SIDE SLOPE -			0.25			0.27			0.28			0.30
TURF			0.32			0.34			0.36			0.38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 26.0 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 18.1 ACRES

OTHER CONTACTS

DNR LIAISON

BRAD BETTHAUSER
WI DEPARTMENT OF NATURAL RESOURCES
473 GRIFFITH AVE
WISCONSIN RAPIDS, WI 54494
TEL: 715-421-7851
EMAIL: BRAD.BETTHAUSER@WISCONSIN.GOV

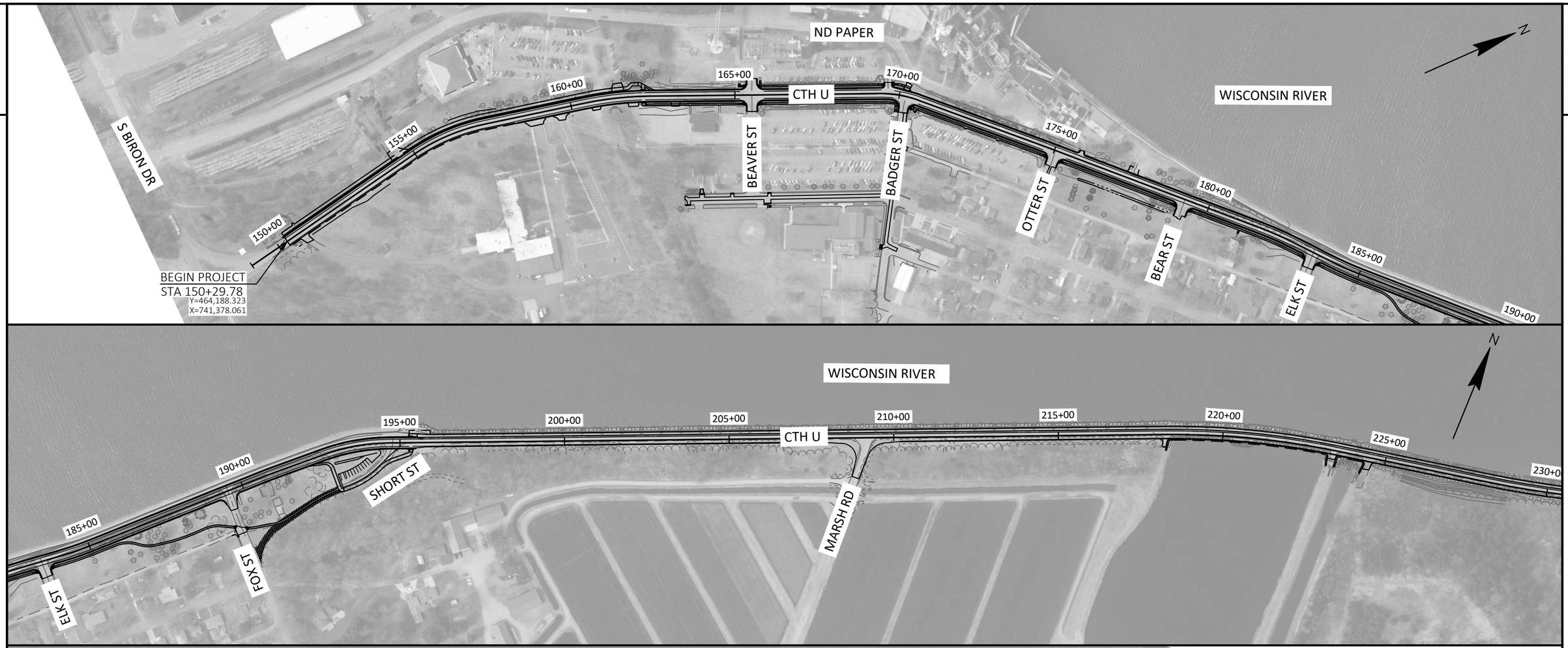
ND PAPER - BIRON DIVISION

RYAN KLUCK
621 N. BIRON DRIVE
WISCONSIN RAPIDS, WI 54494
CELL: 715-422-2531
EMAIL: RYAN.KLUCK@US.NDPAPER.COM

ORDER OF "SECTION 2" SHEETS

SHEET TITLE

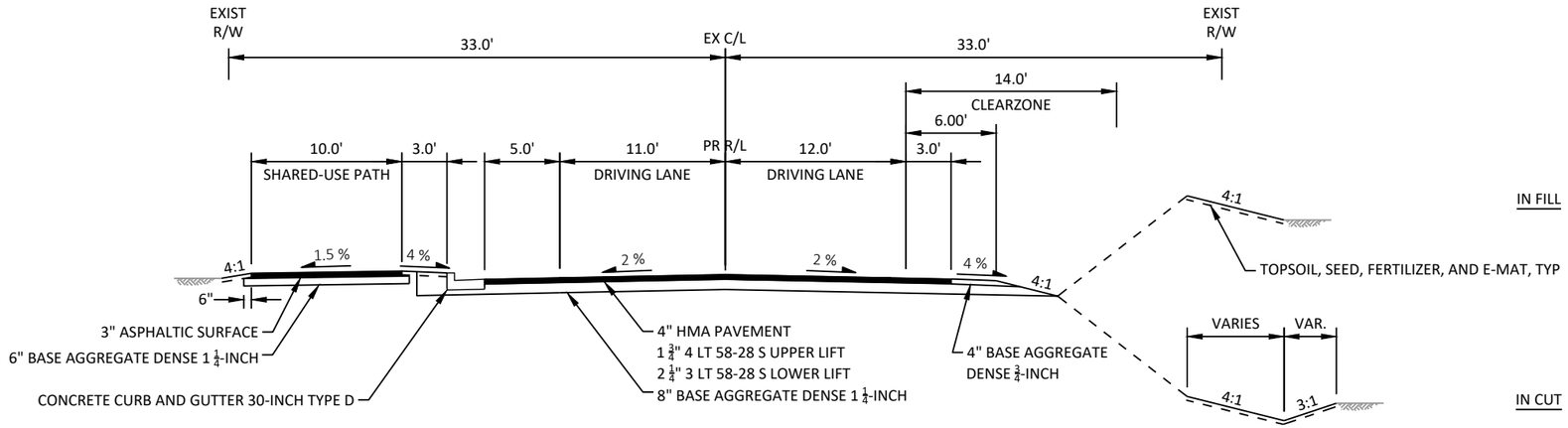
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
BEAM GUARD DETAILS
CABLE GUARD LAYOUT
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
UTILITY PLANS
SIGNING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL PLAN
PEDESTRIAN STAGING PLAN
DETOUR PLAN
ALIGNMENT PLAN



2

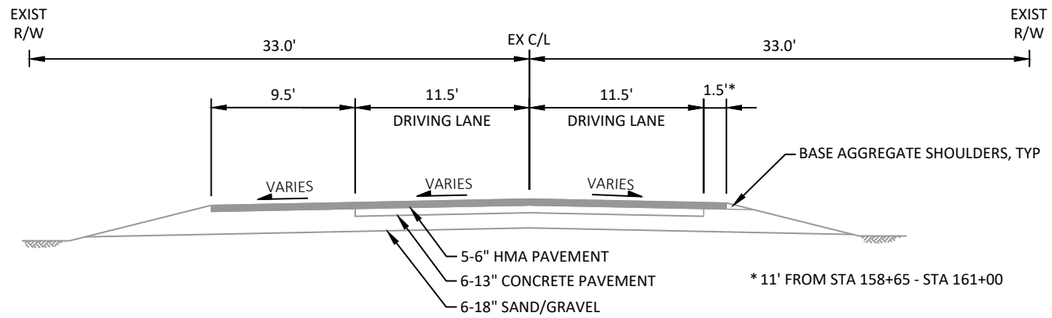
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PROJECT OVERVIEW	SHEET 3	E

2



FINISHED TYPICAL SECTION - COUNTY U

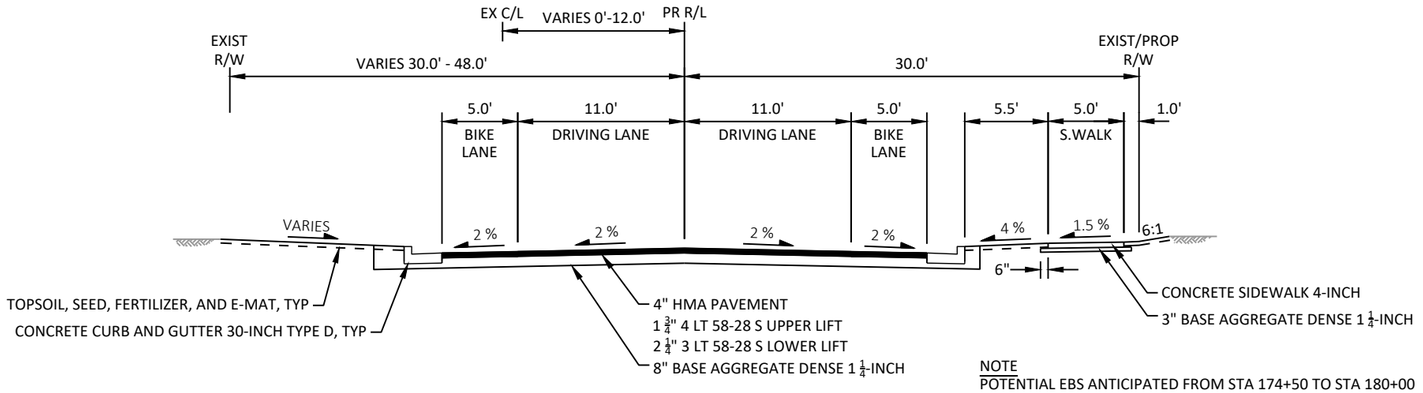
STA 150+29 - STA 162+17



EXISTING TYPICAL SECTION - COUNTY U

STA 150+29 - STA 162+17

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 4	E



NOTE
POTENTIAL EBS ANTICIPATED FROM STA 174+50 TO STA 180+00
SEE CROSS SECTIONS

FINISHED TYPICAL SECTION - COUNTY U

STA 170+20 - STA 183+47

FINISHED TYPICAL SECTION - COUNTY U

STA 162+17 - STA 170+20

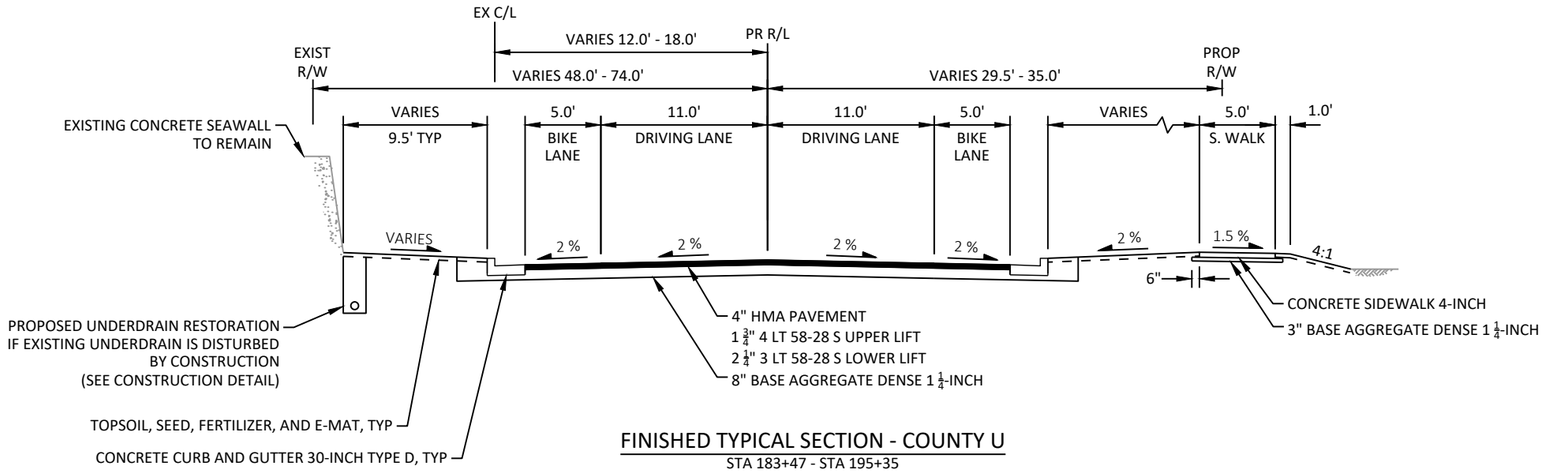
EXISTING TYPICAL SECTION - COUNTY U

STA 162+17 - STA 183+47

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 5	E

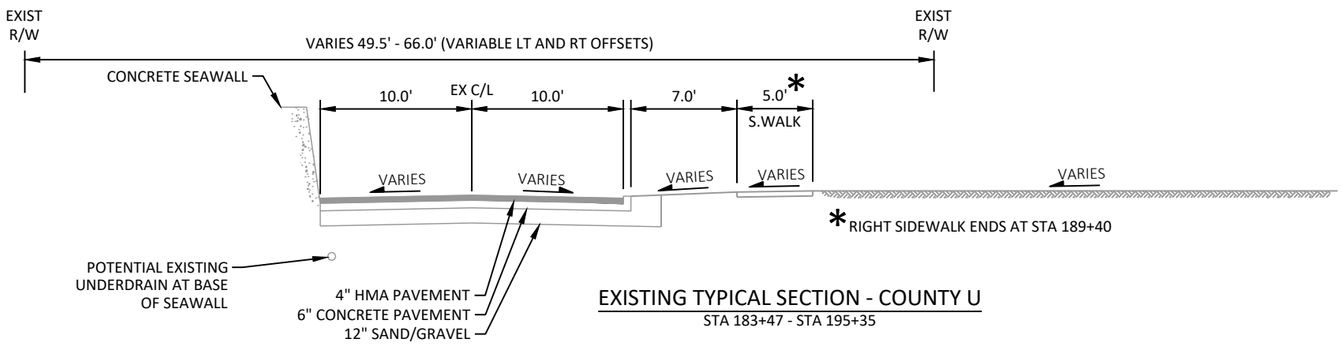
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LAYOUT NAME - 3001265-020202-ts
PLOT DATE : 1/20/2026 7:03 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



FINISHED TYPICAL SECTION - COUNTY U

STA 183+47 - STA 195+35



EXISTING TYPICAL SECTION - COUNTY U

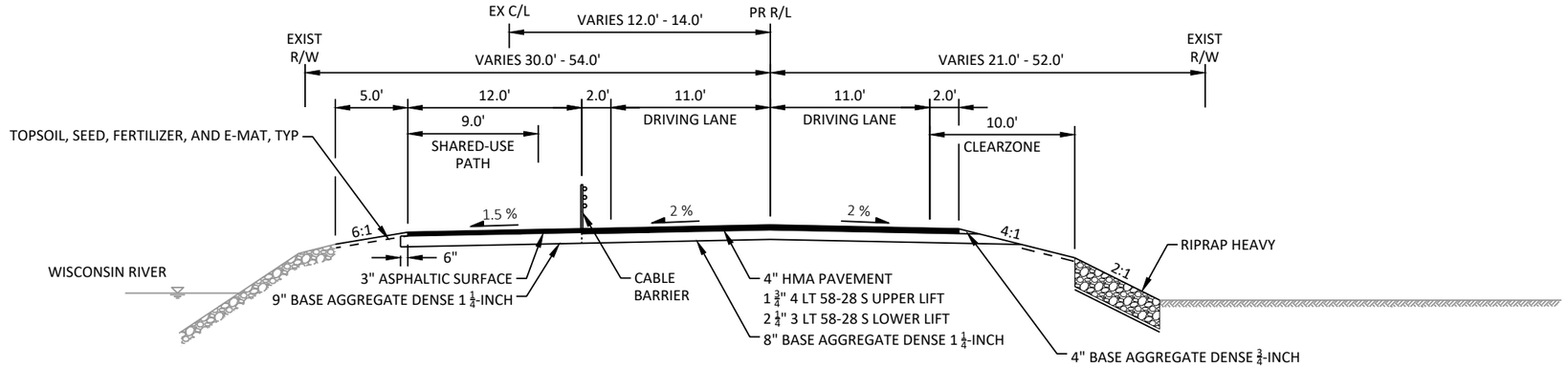
STA 183+47 - STA 195+35

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 6	E

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LAYOUT NAME - 3001265-020203-ts

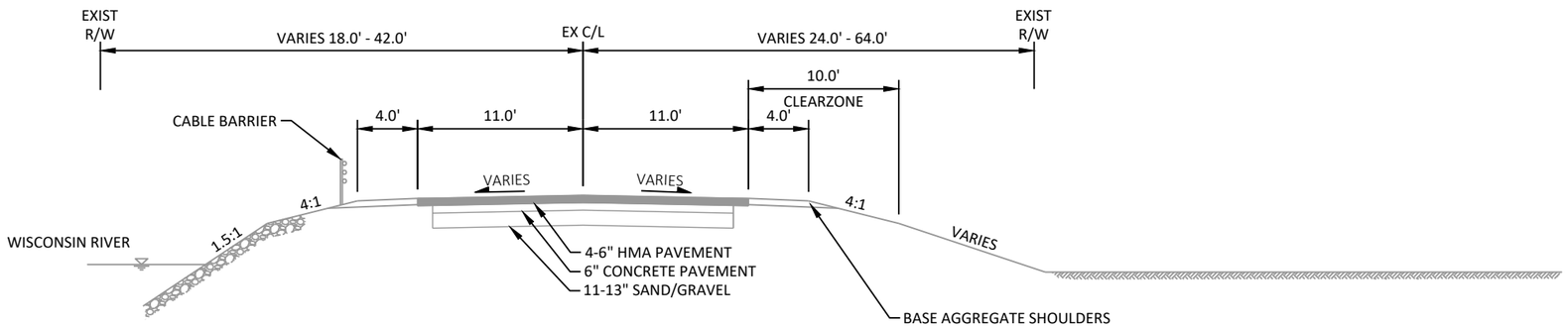
PLOT DATE : 1/20/2026 7:03 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



FINISHED TYPICAL SECTION - COUNTY U

STA 195+35 - STA 223+80
STA 224+05 - STA 245+40

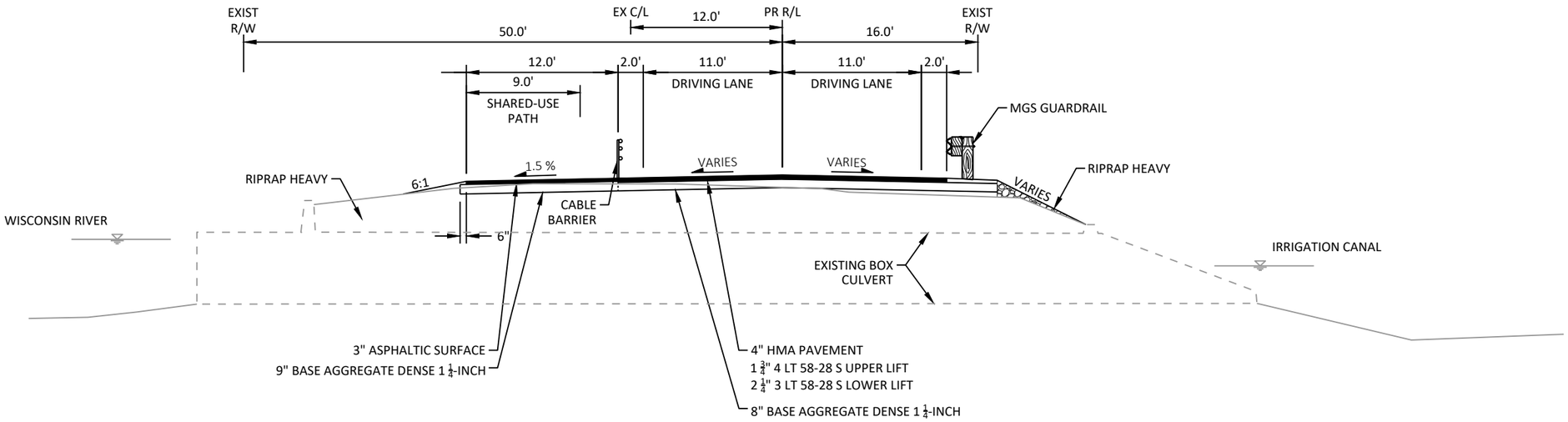


EXISTING TYPICAL SECTION - COUNTY U

STA 195+35 - STA 223+80
STA 224+05 - STA 258+31

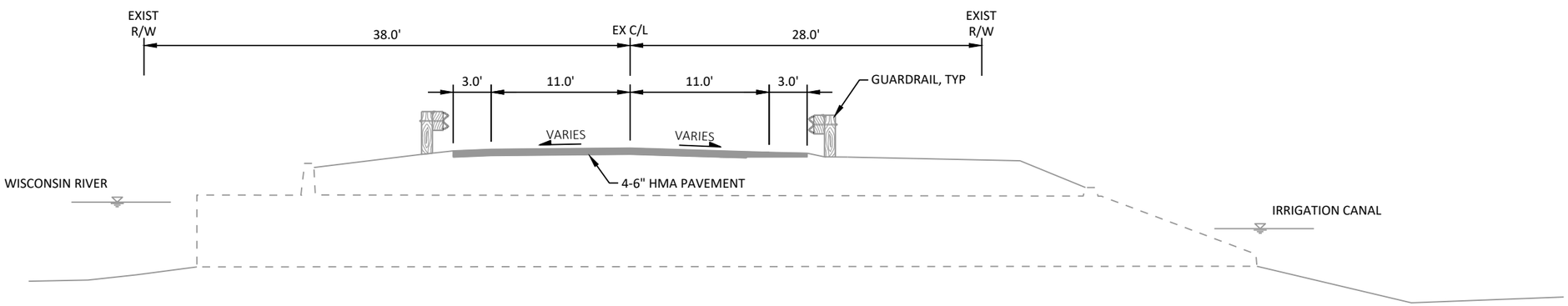
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 7	E

2



FINISHED TYPICAL SECTION - COUNTY U

STA 223+80 - STA 224+05



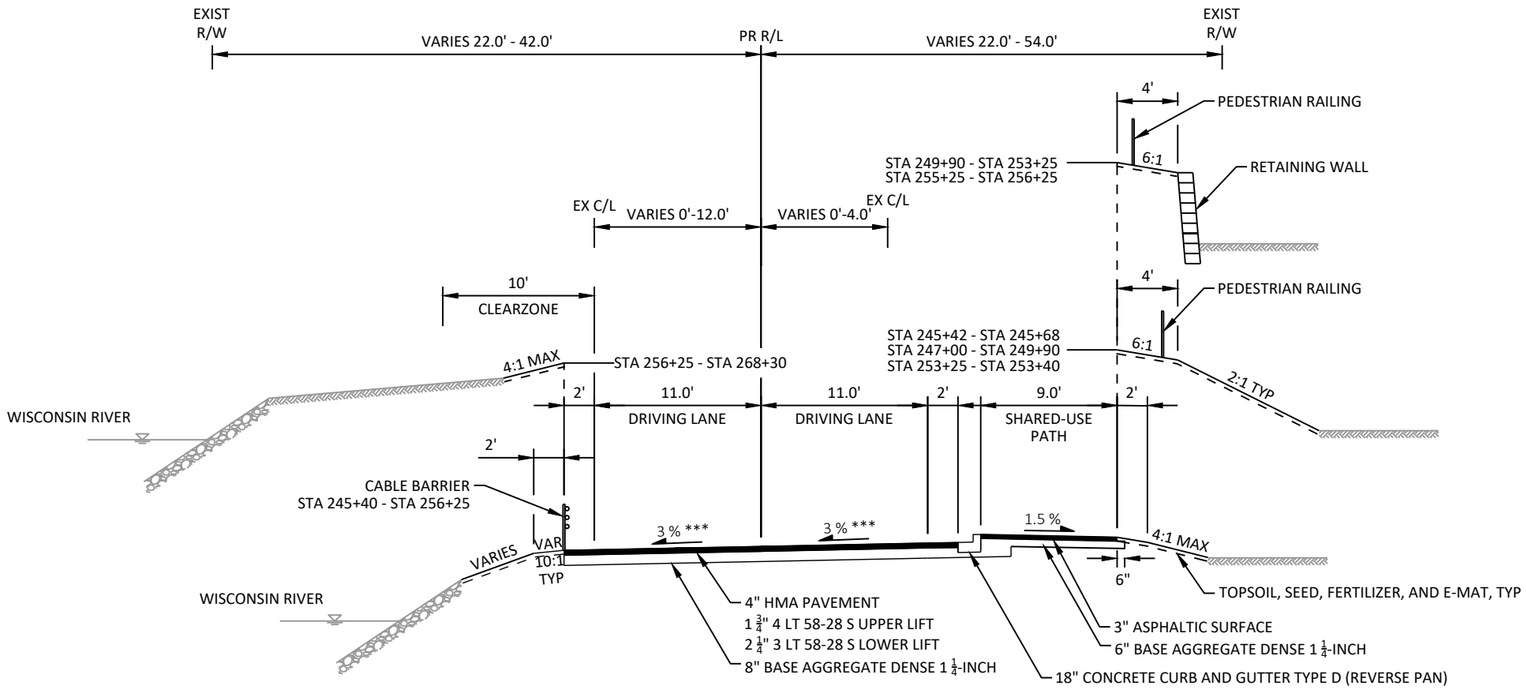
EXISTING TYPICAL SECTION - COUNTY U

STA 223+80 - STA 224+05

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 8	E

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PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

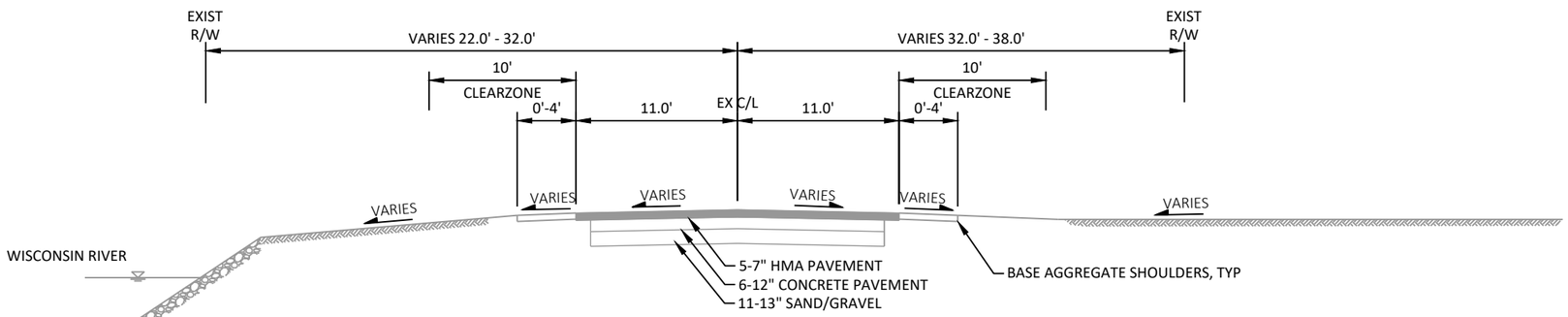
2



FINISHED TYPICAL SECTION - COUNTY U

STA 245+40 - STA 268+30

*** ROADWAY SUPERELEVATES TO OPPOSITE DIRECTION AT 2% TYP. FROM STA 262+00 - END OF PROJECT

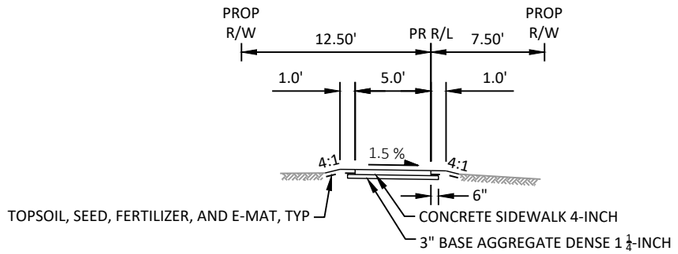


EXISTING TYPICAL SECTION - COUNTY U

STA 258+31 - STA 268+30

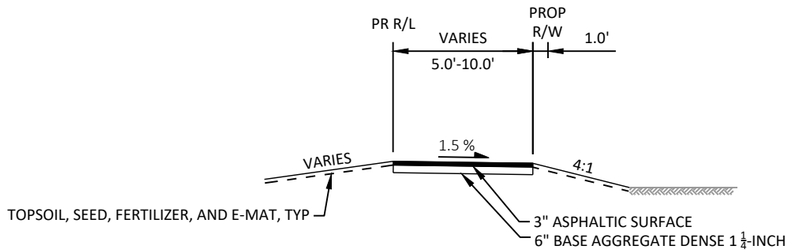
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 9	E

2



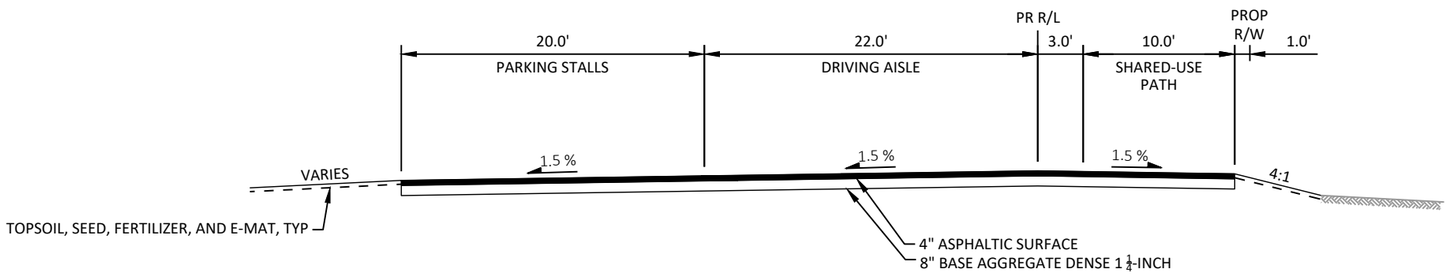
FINISHED TYPICAL SECTION - OFF ROADWAY SIDEWALK

STA 1+67 - STA 8+90



FINISHED TYPICAL SECTION - PARKING LOT TRAIL

STA 1+05 - STA 2+57



FINISHED TYPICAL SECTION - PARKING LOT

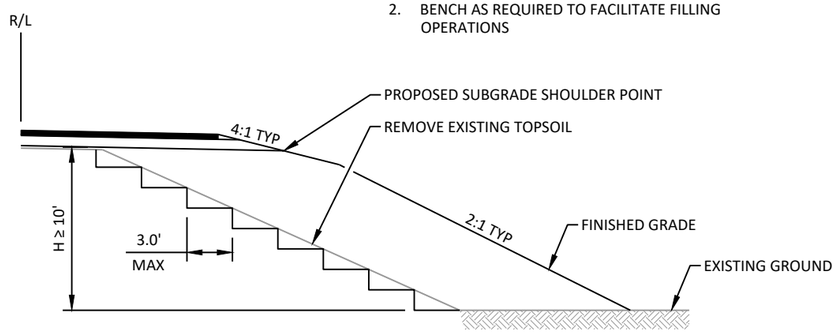
STA 70+00 - STA 72+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TYPICAL SECTIONS	SHEET 10	E

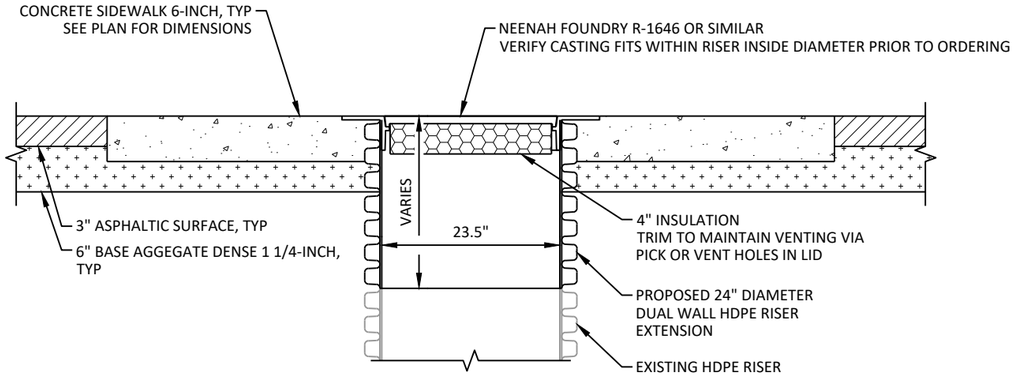
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NOTES

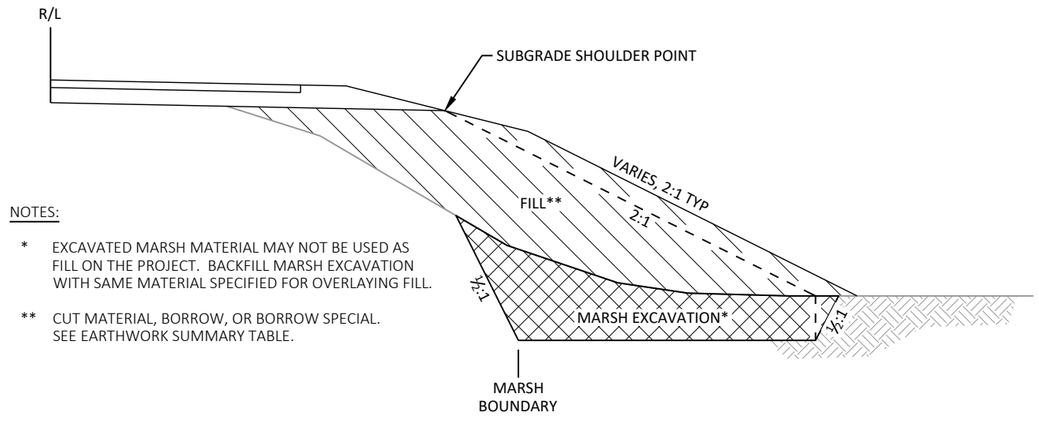
1. EMBANKMENT PLACED IN LAYERS AND COMPACTED PER SPECIFICATIONS
2. BENCH AS REQUIRED TO FACILITATE FILLING OPERATIONS



STEPPED EMBANKMENT



ADJUSTING AIR RELEASE MANHOLE

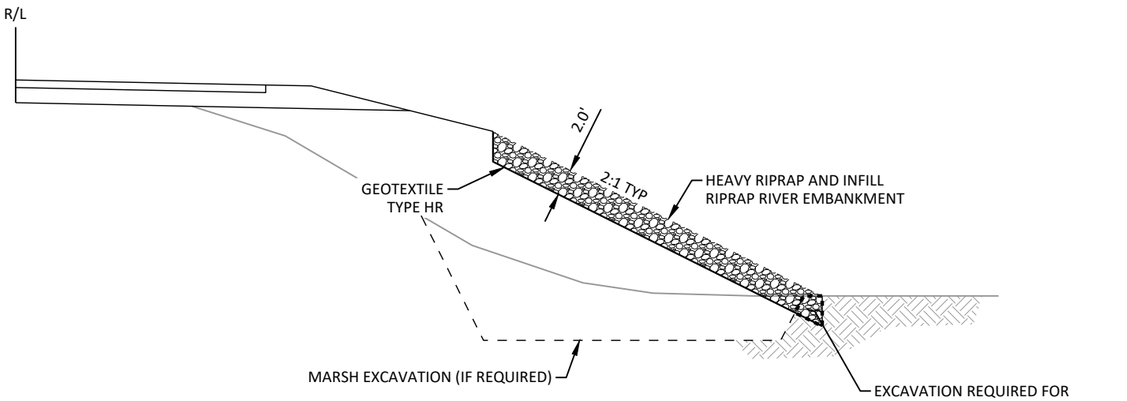


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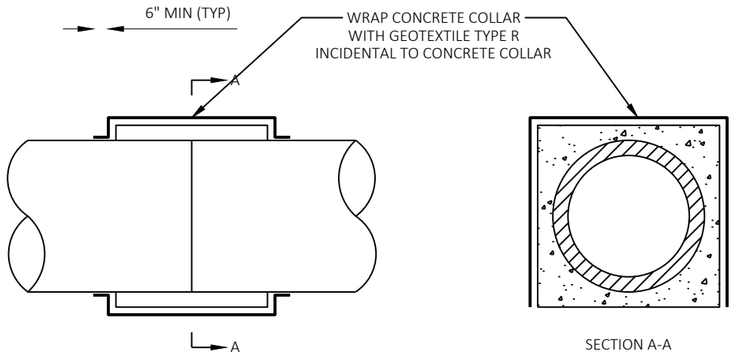
* EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL MARSH EXCAVATION WITH SAME MATERIAL SPECIFIED FOR OVERLAYING FILL.

** CUT MATERIAL, BORROW, OR BORROW SPECIAL. SEE EARTHWORK SUMMARY TABLE.

MARSH EXCAVATION

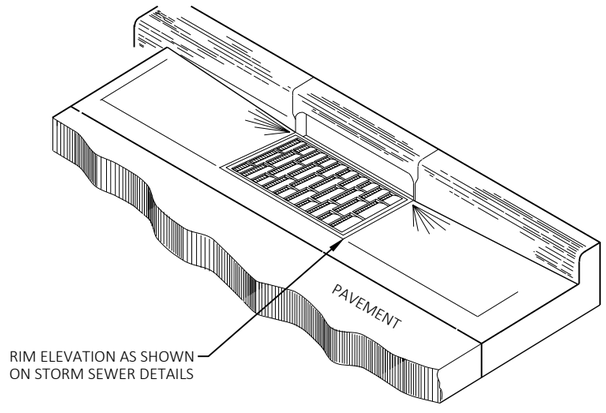


EMBANKMENT HEAVY RIPRAP



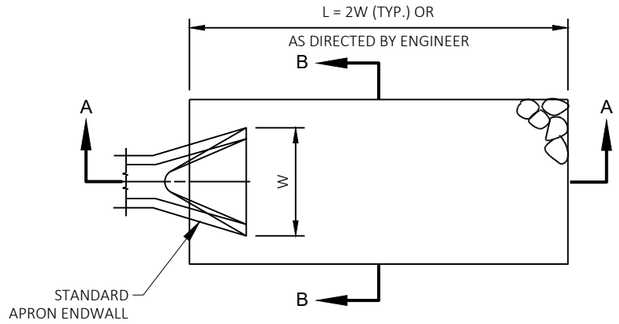
CONCRETE COLLAR

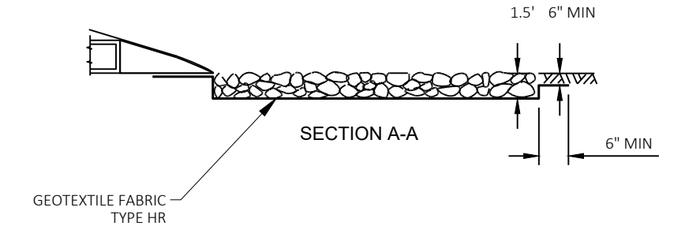
SEE SDD JOINT TIES FOR CONCRETE PIPE AND
CONCRETE PIPE COLLARS FOR DETAILS NOT SHOWN

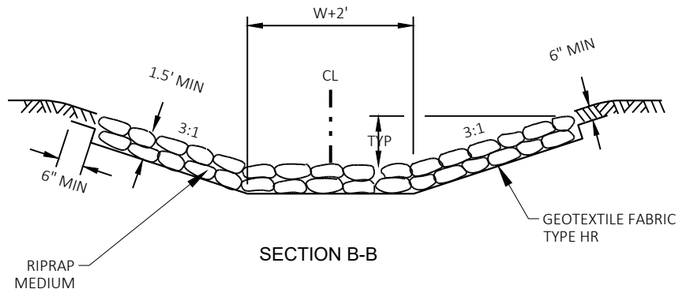


DETAIL OF CURB AND GUTTER AT INLETS

SEE SDD CONCRETE GUTTER, TIES AND CURB AND GUTTER APPLICATIONS FOR DETAILS NOT SHOWN

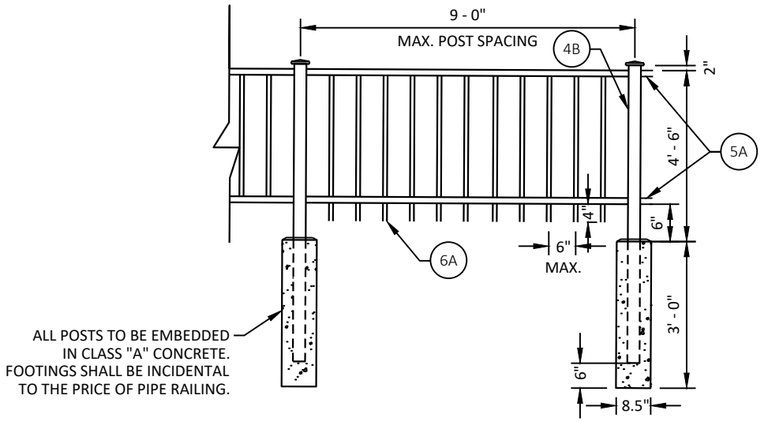






RIP RAP AND GEOTEXTILE

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 12	E



COMBINATION RAILING TYPE C6

LEGEND

(4B) STRUCTURAL TUBING 3"x3"x$\frac{3}{16}$". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3"x1$\frac{1}{2}$"x$\frac{3}{16}$" RAILS. WELD TO NO. 1 & NO.4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1"x1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

NOTES

BID ITEM SHALL BE "RAILING STELL TYPE C6", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

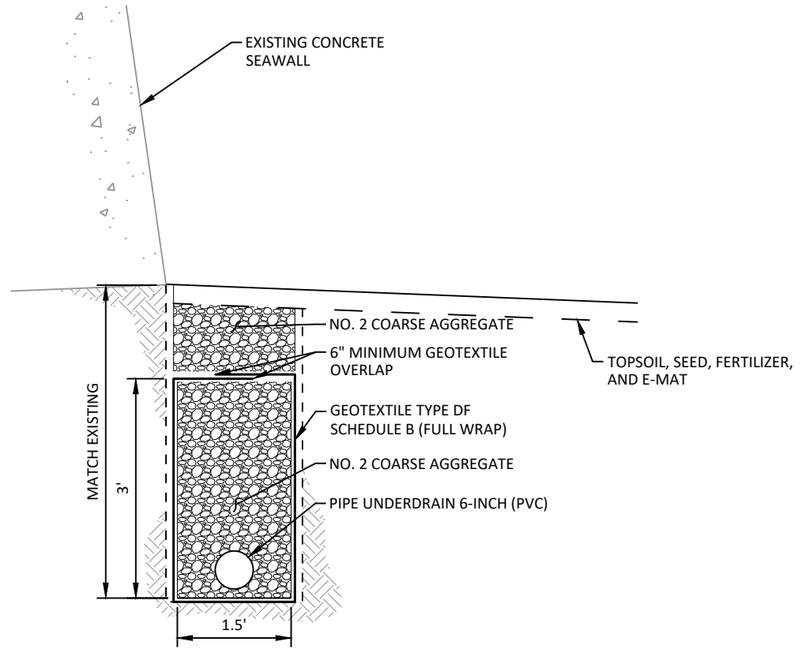
CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

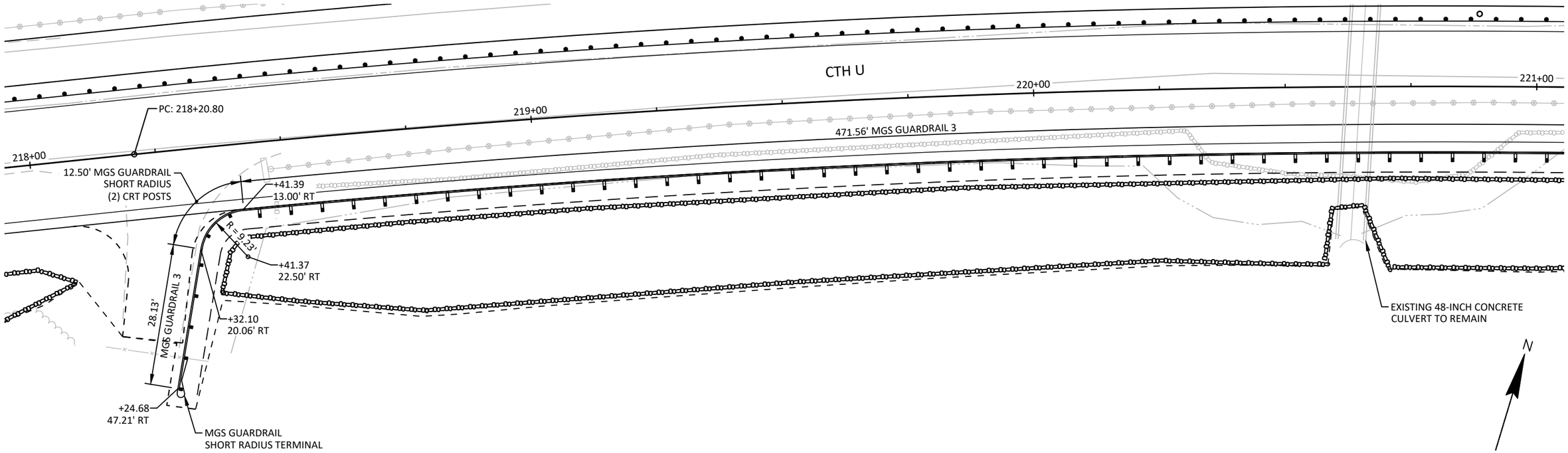
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

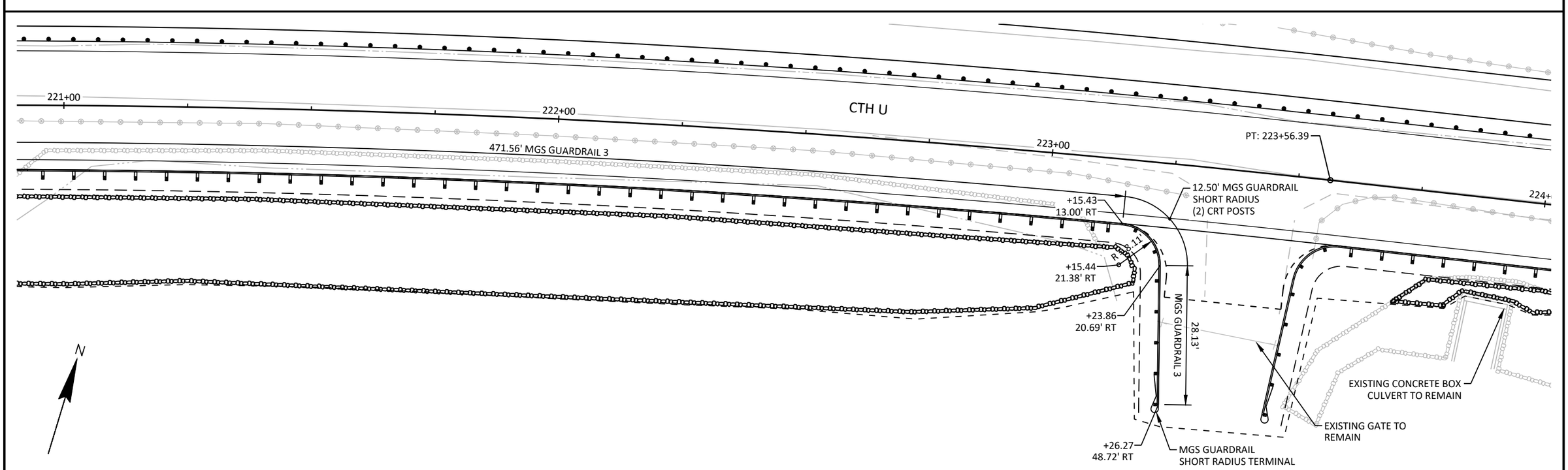


UNDERDRAIN RESTORATION DETAIL

STA 183+75 - 195+00

2





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	BEAM GUARD DETAILS	SHEET 14	E

2

2

PT: 223+56.39

CTH U

224+00

12.50' MGS GUARDRAIL
SHORT RADIUS
(2) CRT POSTS

68.21' MGS GUARDRAIL 3

+59.60
13.00' RT

+27.81
13.00' RT

18.75' MGS GUARDRAIL
SHORT RADIUS
(3) CRT POSTS

+51.03
20.60' RT

R = 8.31'

+59.60
21.58' RT

+27.81
23.21' RT

R = 9.94'

+37.66
25.89' RT

28.13' MGS GUARDRAIL 3

EXISTING GATE
TO REMAIN

EXISTING CONCRETE BOX
CULVERT TO REMAIN

28.12' MGS GUARDRAIL 3

+47.69
48.53' RT

MGS GUARDRAIL
SHORT RADIUS TERMINAL

SLOPE INTERCEPT, TYP

+30.28
53.03' RT

MGS GUARDRAIL
SHORT RADIUS TERMINAL

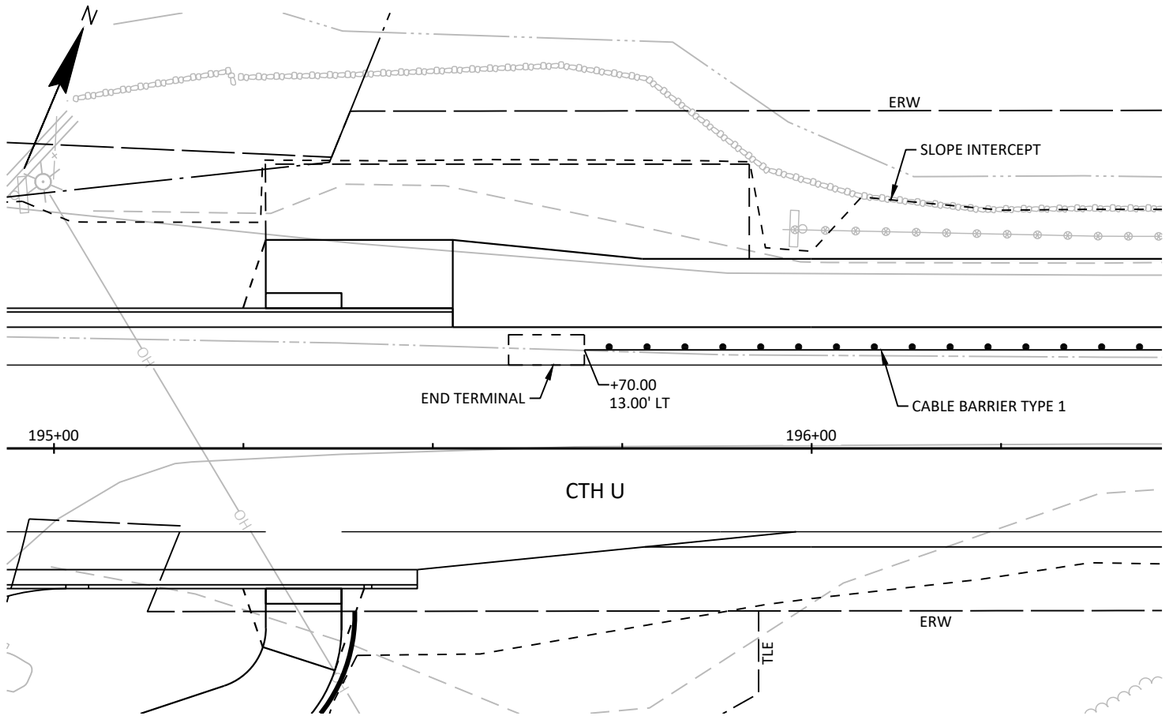
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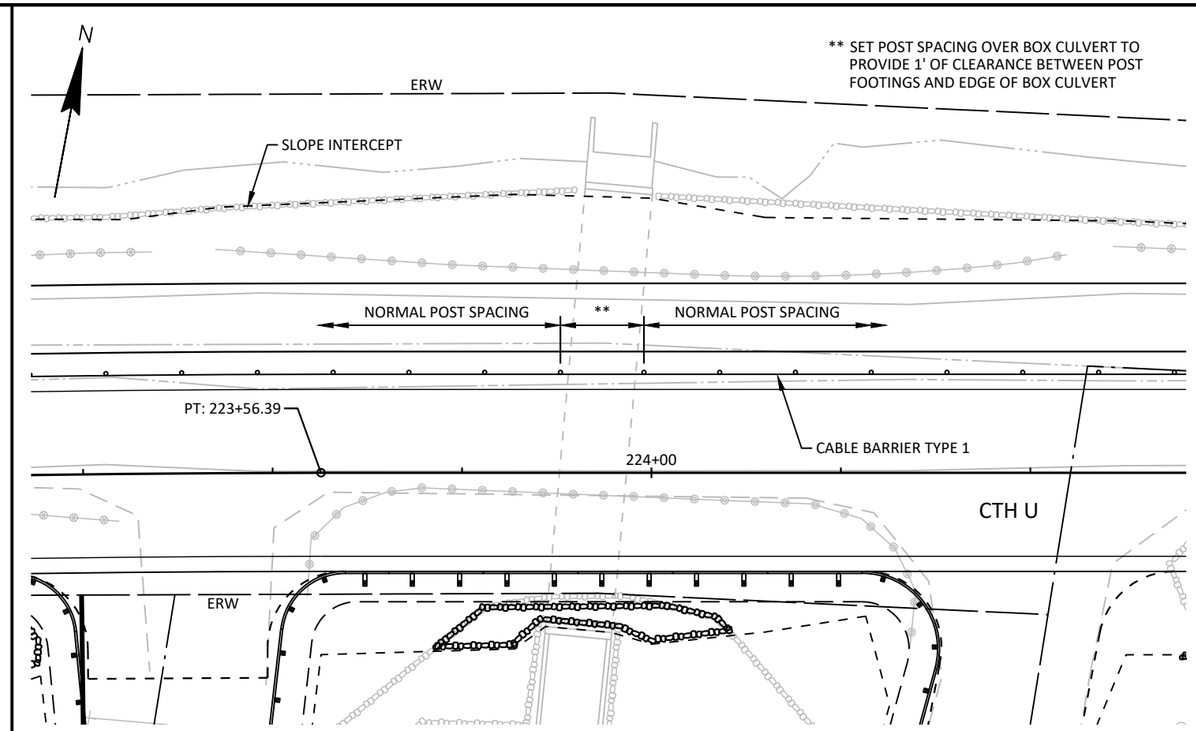
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	BEAM GUARD DETAILS	SHEET 15	E

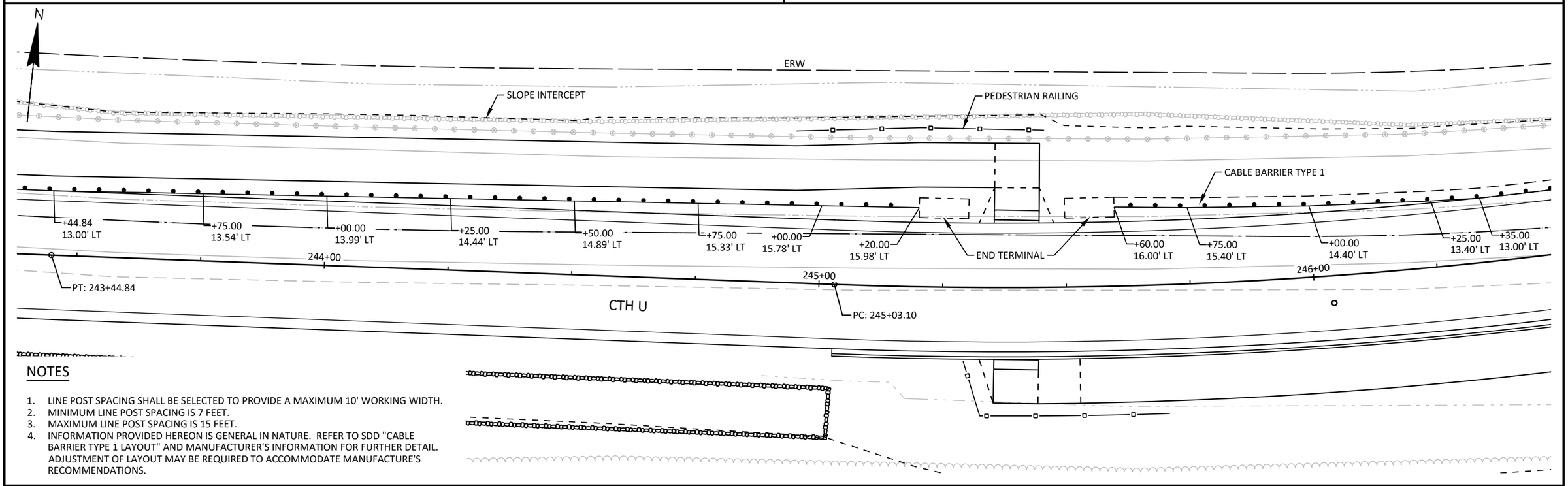
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021010-CD.DWG
LAYOUT NAME - 3001265-021011-cd

PLOT DATE : 10/21/2025 11:28 AM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



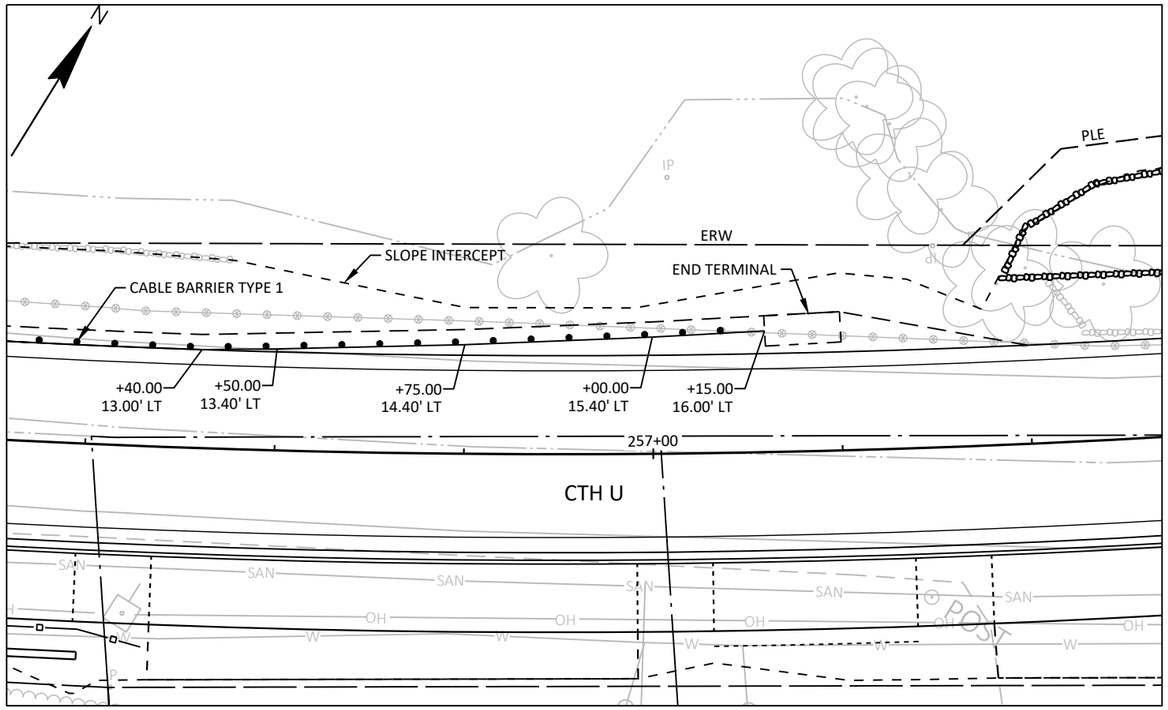




NOTES

1. LINE POST SPACING SHALL BE SELECTED TO PROVIDE A MAXIMUM 10' WORKING WIDTH.
2. MINIMUM LINE POST SPACING IS 7 FEET.
3. MAXIMUM LINE POST SPACING IS 15 FEET.
4. INFORMATION PROVIDED HEREON IS GENERAL IN NATURE. REFER TO SDD "CABLE BARRIER TYPE 1 LAYOUT" AND MANUFACTURER'S INFORMATION FOR FURTHER DETAIL. ADJUSTMENT OF LAYOUT MAY BE REQUIRED TO ACCOMMODATE MANUFACTURE'S RECOMMENDATIONS.

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CABLE BARRIER LAYOUT	SHEET 16	E



THIS SPACE LEFT BLANK INTENTIONALLY

2

THIS SPACE LEFT BLANK INTENTIONALLY

NOTES

1. LINE POST SPACING SHALL BE SELECTED TO PROVIDE A MAXIMUM 10' WORKING WIDTH.
2. MINIMUM LINE POST SPACING IS 7 FEET.
3. MAXIMUM LINE POST SPACING IS 15 FEET.
4. INFORMATION PROVIDED HEREON IS GENERAL IN NATURE. REFER TO SDD "CABLE BARRIER TYPE 1 LAYOUT" AND MANUFACTURER'S INFORMATION FOR FURTHER DETAIL. ADJUSTMENT OF LAYOUT MAY BE REQUIRED TO ACCOMMODATE MANUFACTURE'S RECOMMENDATIONS.

2

+29.78
30.75' LT

+39.78
31.50' LT

AS

G

10.0'

1026.69 1026.61 1026.54 1026.46 1026.38 1026.31 1026.23 1026.16 1026.08 1026.00 1025.93 1025.85 1025.78 LP 1026.04 1026.30 1026.56 1026.68

5.0'

3.0'

11.0'

+24.78
15.25' LT

+39.78
16.00' LT

CG-30D

1025.90

G

AS

ASDF

BEGIN REJECT GUTTER

CG-30D REJECT GUTTER

1026.82

150+00 151+00 152+00 153+00 154+00

12.0'

+29.78
15.25' LT

HMA

1026.18

HMA

R10.0'

R10.0'

ASDF

3.0'

3.0'

CTH U: +60.87, 25.00' RT
Y=464,223.159
X=741,397.512

CTH U: +04.19, 25.00' RT
Y=464,265.865
X=741,390.272

MATCH LINE STA 154+50

2

10.0'

AS

G

ASDF

1026.94 1027.01 1027.07 1027.14 1027.27 1027.40 1027.53 1027.66 1027.67 1027.80 HP 1027.72 1027.63 1027.55 LP 1027.68 1027.82 1027.95

5.0'

3.0'

11.0'

CG-30D REJECT GUTTER

1026.88

1026.81

155+00 156+00 157+00 158+00 159

12.0'

PC: 154+94.86

HMA

END REJECT GUTTER

PT: 157+32.47

HMA

1027.75

CG-30D

1027.71

1027.82

1027.95

+30.00
16.00' RT

+52.31
21.50' RT

ASDF

MATCH LINE STA 159+00

LEGEND

AS	ASPHALTIC SURFACE*	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*	CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
BAD	BASE AGGREGATE DENSE*	G	GRASS
CD-6	CONCRETE DRIVEWAY 6-INCH	HMA	HMA PAVEMENT*
CS-4	CONCRETE SIDEWALK 4-INCH		*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS
CS-6	CONCRETE SIDEWALK 6-INCH		
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVING DETAILS	SHEET 18	E

2

MATCH LINE STA 159+00

MATCH LINE STA 163+50

+28.83
21.50' LT

+63.20
21.50' LT

PC: 160+42.68

PT: 162+38.45

+40.41
21.50' RT

+17.31
21.50' RT

CTH U: +24.61, 37.69' RT
Y=465,061.459
X=741,387.583

CTH U: +37.62, 38.73' RT
Y=465,073.895
X=741,391.542

+90.41
21.50' RT

CTH U: +91.20, 36.57' RT
Y=465,126.576
X=741,401.548

LEGEND

AS	ASPHALTIC SURFACE*	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*	CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
BAD	BASE AGGREGATE DENSE*	G	GRASS
CD-6	CONCRETE DRIVEWAY 6-INCH	HMA	HMA PAVEMENT*
CS-4	CONCRETE SIDEWALK 4-INCH		*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS
CS-6	CONCRETE SIDEWALK 6-INCH		
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		

MATCH LINE STA 163+50

MATCH LINE STA 168+00

STA 165+51.56 R/L CTH U =
STA 11+00.00 R/L BEAVER ST W
Y=465,655.569
X=741,568.922

CTH U: +16.00, -37.00' LT
BEAVER ST W: +62.95, 35.50' RT
Y=465,638.361
X=741,520.584

BEAVER ST W

+50.00
14.50' RT

+50.00
14.50' LT

CTH U: +87.02, -37.00' LT
BEAVER ST W: +63.04, -35.50' LT
Y=465,703.093
X=741,549.752

PI: 165+21.99

BP: 11+00.00

CTH U: +15.62, 37.00' RT
BEAVER ST E: +37.26, 36.00' RT
Y=465,607.579
X=741,587.879

+50.00
15.00' RT

+50.00
15.00' LT

STA 165+51.87 R/L CTH U =
STA 11+00.00 R/L BEAVER ST E
Y=465,655.848
X=741,569.048

CTH U: +87.60, 37.00' RT
BEAVER ST E: +36.74, -36.00' LT
Y=465,673.224
X=741,617.459

BEAVER ST E

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVING DETAILS	SHEET 19 E

2

CTH U: +44.84, -26.00' LT
MILL ENTRANCE: +73.05, 20.47' RT
Y=466,025.376
X=741,707.161

STA 169+65.74 R/L CTH U =
STA 21+00.00 R/L MILL ENTRANCE
Y=466,032.628
X=741,740.219

+65.00
10.47' RT

MILL ENT

+65.00
10.47' LT

CTH U: +80.91, -28.52' LT
MILL ENTRANCE: +73.15, -18.47' LT
Y=466,060.673
X=741,723.621

STA 170+17.26 R/L CTH U =
STA 25+00.00 R/L BADGER ST
Y=466,075.602
X=741,768.544

+26.65
16.00' LT

MATCH LINE STA 168+00

MATCH LINE STA 172+50

PC: 169+35.69

PT: 170+62.48

CTH U: +82.88, 37.00' RT
BADGER ST: +35.62, 34.00' RT
Y=466,027.787
X=741,780.322

CONCRETE CURB PEDESTRIAN

+50.00
13.00' RT

+50.00
13.00' LT

CTH U: +59.46, 37.00' RT
BADGER ST: +42.47, -34.00' LT
Y=466,081.461
X=741,822.630

BADGER ST

LEGEND

AS	ASPHALTIC SURFACE*
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*
BAD	BASE AGGREGATE DENSE*
CD-6	CONCRETE DRIVEWAY 6-INCH
CS-4	CONCRETE SIDEWALK 4-INCH
CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
G	GRASS
HMA	HMA PAVEMENT*

*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

STA 175+05.60 R/L CTH U =
STA 30+00.00 R/L OTTER ST
Y=466,422.605
X=742,111.984

CTH U: +64.67, -26.00' LT
Y=466,482.494
X=742,136.017

CTH U: +95.56, -26.00' LT
Y=466,504.098
X=742,158.097

MATCH LINE STA 172+50

MATCH LINE STA 177+00

PI: 174+75.44

BP: 30+00.00

CTH U: +68.24, 37.00' RT
OTTER ST: +37.08, 36.97' RT
Y=466,370.251
X=742,111.489

+50.00
16.00' RT

+50.00
16.00' LT

CTH U: +42.60, 37.00' RT
OTTER ST: +37.00, -37.00' LT
Y=466,422.034
X=742,164.306

OTTER ST

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVING DETAILS	SHEET 20	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021201-PD.DWG
LAYOUT NAME - 3001265-021203-pd
PLOT DATE : 12/1/2025 1:31 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:30 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE STA 177+00

+31.90
23.50' LT

+61.90
23.50' LT

BAD

STA 179+25.60 R/L CTH U =
STA 40+00.00 R/L BEAR ST
Y=466,716.332
X=742,412.190

1027.07 1027.16 1027.25 1027.34 1027.43 1027.52 1027.60 1027.69 1027.78 1027.87 1027.96 1028.05 1028.14 1028.23 1028.31 1028.40 1028.49 1028.58

HMA

+00 178+00 179+00 180+00 181+00

CG-30D

1028.09

1028.23

5.0' 11.0' 11.0' 5.0'

1027.07 1027.16 1027.25 1027.34 1027.43 1027.52 1027.60 1027.69 1027.74 1027.78 1027.87 1027.96 1028.00 1028.05 1028.14 1028.23 1028.31 1028.40 1028.49 1028.58

G

CS-4

1027.69

CG-30D

1027.94

5.5' 5.0'

R=21.00'

LP 1027.64

BEAR ST

1027.86 LP

R=21.00'

CTH U: +62.60, 37.00' RT
BEAR ST: +37.00, -37.00' LT
Y=466,715.762
X=742,464.513

+50.00
16.00' RT

1027.91

1028.23

1027.98

+50.00
16.00' LT

CTH U: +88.60, 37.00' RT
BEAR ST: +37.00, 37.00' RT
Y=466,664.010
X=742,411.620

1028.0+/-

1027.9+/-

LEGEND

AS	ASPHALTIC SURFACE*
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*
BAD	BASE AGGREGATE DENSE*
CD-6	CONCRETE DRIVEWAY 6-INCH
CS-4	CONCRETE SIDEWALK 4-INCH
CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
G	GRASS
HMA	HMA PAVEMENT*

*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

MATCH LINE STA 181+50

STA 183+46.17 R/L CTH U =
STA 50+00.00 R/L ELK ST
Y=467,000.909
X=742,721.350

1028.67 1028.76 1028.85 1029.02 1029.20 1029.38 1029.55 1029.73 1029.91 1029.99 1030.07 1030.16 1030.24 1030.32 1030.40 1030.49 1030.57 1030.65

PC: 181+70.06

HMA

182+00 183+00 184+00 185+00

PC: 184+11.80

1028.96

CG-30D

PT: 182+72.86

HP
1029.67

1030.26

1030.63

PT: 185+06.85

CG-30D

1028.67 1028.76 1028.85 1029.02 1029.20 1029.38 1029.55 1029.65 1029.73 1029.65 1029.91 1029.99 1030.03 1030.07 1030.16 1030.24 1030.32 1030.40 1030.49 1030.57 1030.65

G

CS-4

CG-30D

1029.83

5.0' 11.0' 11.0' 5.0'

R=21.00'

1029.38

1029.59

1029.39

R=21.00'

5.5' 5.0'

CTH U: +12.79, 37.00' RT
ELK ST: +33.38, 37.00' RT
Y=466,951.174
X=742,718.247

+50.00
16.00' RT

1029.14

1029.16

+50.00
16.00' LT

CTH U: +87.18, 37.00' RT
ELK ST: +41.01, -37.00' LT
Y=466,997.470
X=742,776.480

1029.1+/-

ELK ST

1029.1+/-

MATCH LINE STA 186+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVING DETAILS	SHEET 21	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021201-PD.DWG
LAYOUT NAME - 3001265-021204-pd

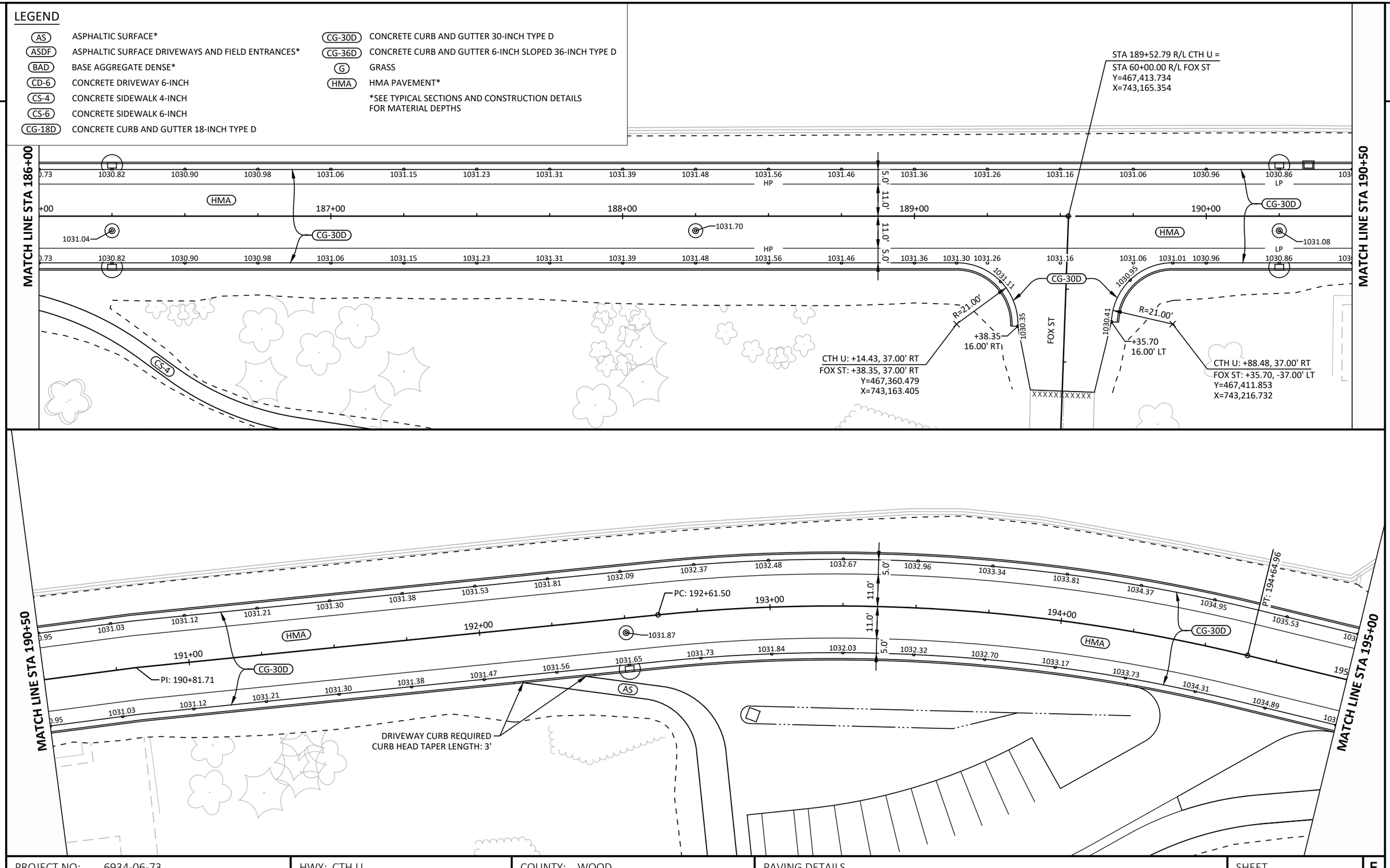
PLOT DATE : 12/1/2025 1:31 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:30 FT

WISDOT/CADDS SHEET 44

LEGEND

AS	ASPHALTIC SURFACE*
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*
BAD	BASE AGGREGATE DENSE*
CD-6	CONCRETE DRIVEWAY 6-INCH
CS-4	CONCRETE SIDEWALK 4-INCH
CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
G	GRASS
HMA	HMA PAVEMENT*

*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS



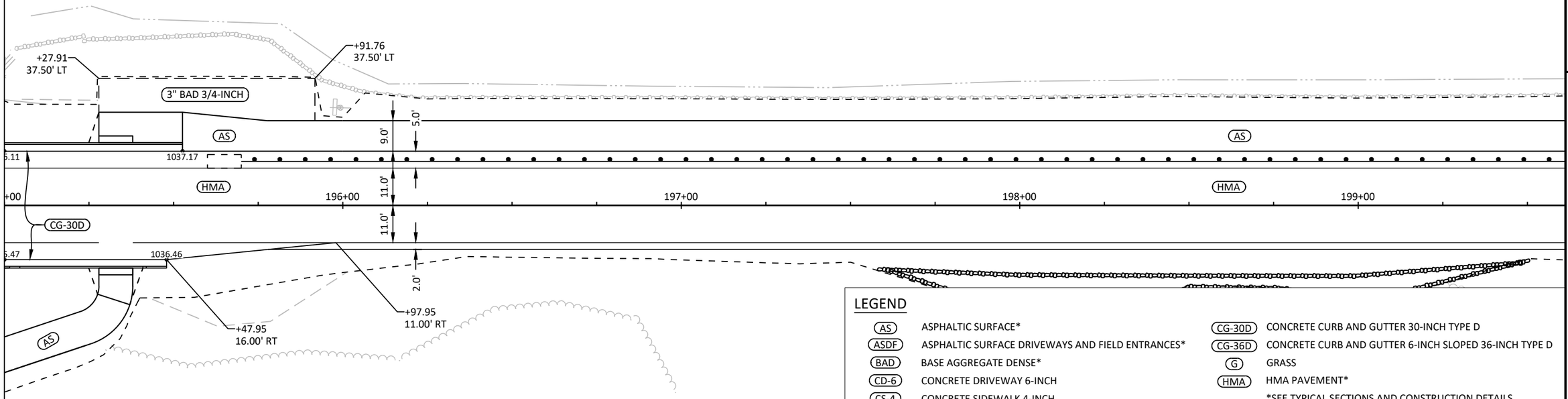
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVING DETAILS	SHEET 22 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021201-PD.DWG
LAYOUT NAME - 3001265-021205-pd

PLOT DATE : 12/8/2025 9:09 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:30 FT

2

MATCH LINE STA 195+00

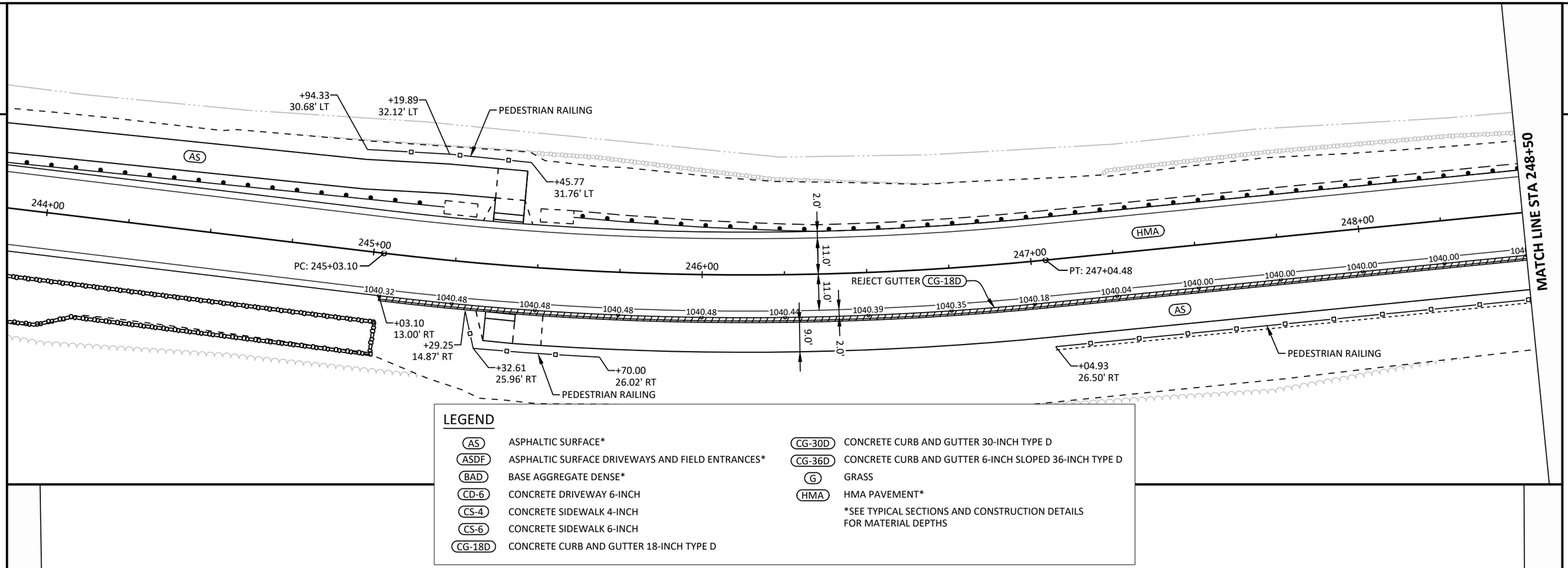


LEGEND

AS	ASPHALTIC SURFACE*	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*	CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
BAD	BASE AGGREGATE DENSE*	G	GRASS
CD-6	CONCRETE DRIVEWAY 6-INCH	HMA	HMA PAVEMENT*
CS-4	CONCRETE SIDEWALK 4-INCH		*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS
CS-6	CONCRETE SIDEWALK 6-INCH		
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		

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2



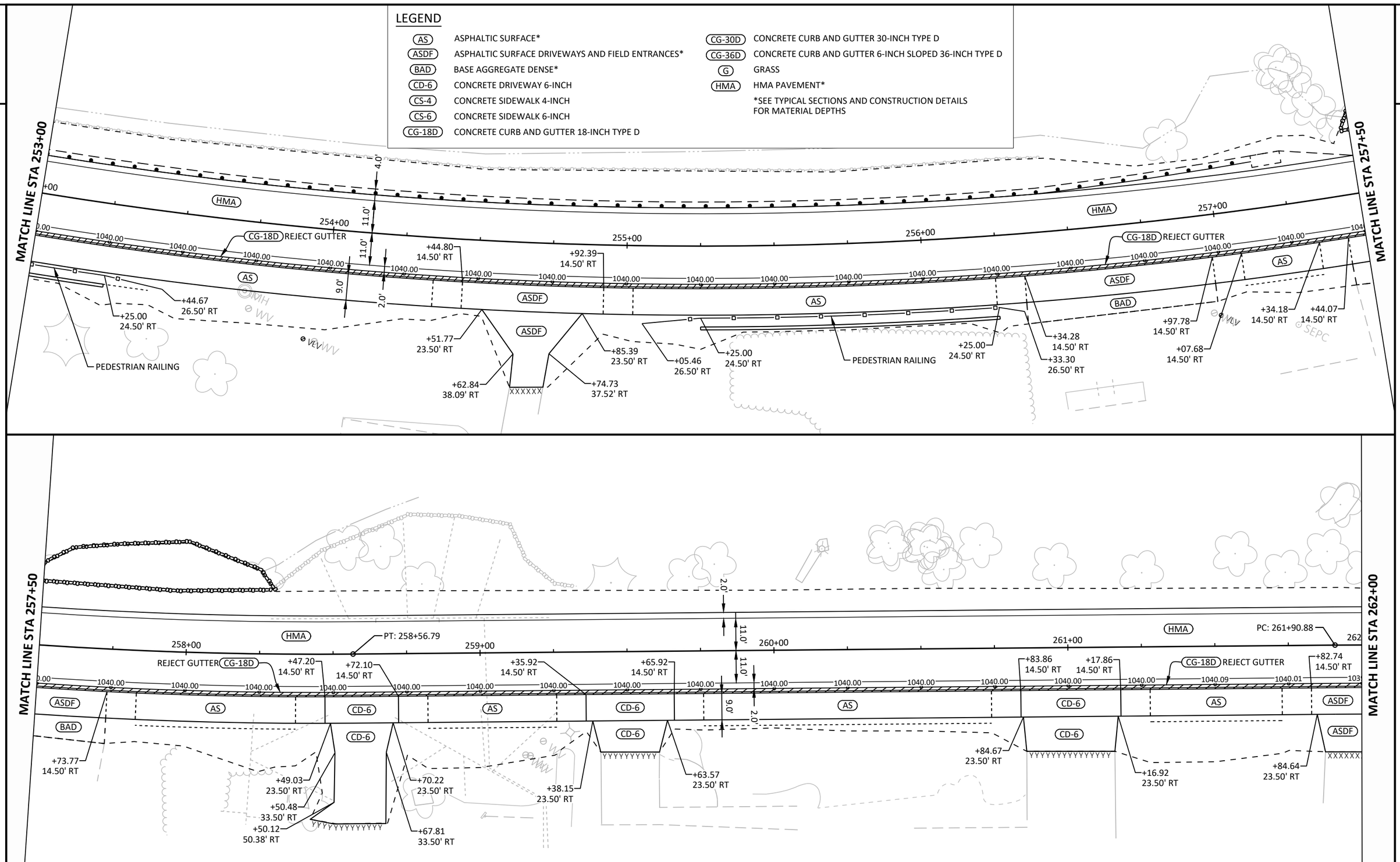
LEGEND

AS	ASPHALTIC SURFACE*	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*	CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
BAD	BASE AGGREGATE DENSE*	G	GRASS
CD-6	CONCRETE DRIVEWAY 6-INCH	HMA	HMA PAVEMENT*
CS-4	CONCRETE SIDEWALK 4-INCH		*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS
CS-6	CONCRETE SIDEWALK 6-INCH		
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		

LEGEND

AS	ASPHALTIC SURFACE*
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*
BAD	BASE AGGREGATE DENSE*
CD-6	CONCRETE DRIVEWAY 6-INCH
CS-4	CONCRETE SIDEWALK 4-INCH
CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
G	GRASS
HMA	HMA PAVEMENT*

*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

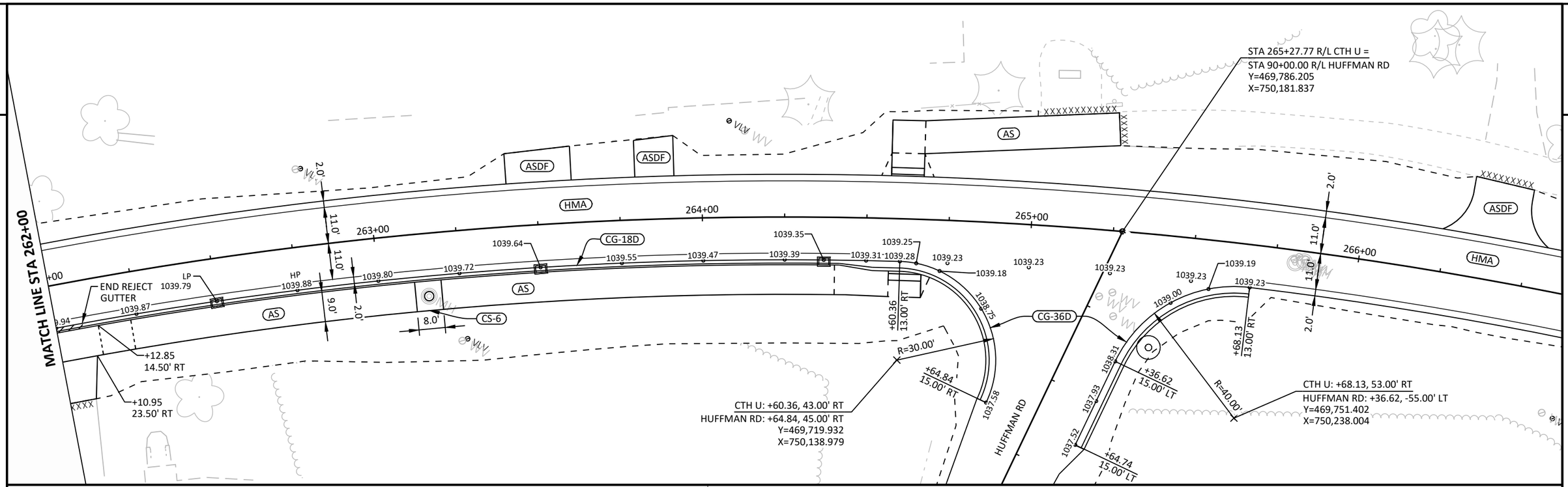


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVING DETAILS	SHEET 25 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021201-PD.DWG
LAYOUT NAME - 3001265-021211-pd

PLOT DATE : 12/3/2025 7:08 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:30 FT

WISDOT/CADDS SHEET 44



LEGEND

AS	ASPHALTIC SURFACE*	CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*	CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
BAD	BASE AGGREGATE DENSE*	G	GRASS
CD-6	CONCRETE DRIVEWAY 6-INCH	HMA	HMA PAVEMENT*
CS-4	CONCRETE SIDEWALK 4-INCH		*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS
CS-6	CONCRETE SIDEWALK 6-INCH		
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D		

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LEGEND

AS	ASPHALTIC SURFACE*
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES*
BAD	BASE AGGREGATE DENSE*
CD-6	CONCRETE DRIVEWAY 6-INCH
CS-4	CONCRETE SIDEWALK 4-INCH
CS-6	CONCRETE SIDEWALK 6-INCH
CG-18D	CONCRETE CURB AND GUTTER 18-INCH TYPE D
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-36D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
G	GRASS
HMA	HMA PAVEMENT*

*SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

BP: 1+00.00
PC: 192+61.50
193+00
194+00
195+00
1032.0
1034.0
1036.0
1031.52
1031.56
1031.47
1031.65
1031.45
1031.34
1031.28
1031.43
1031.66
1031.81
1031.90
1031.5
1032.19
1032.04
1032.23
1032.84
1032.35
1032.69
1033.15
1032.16
1033.87
1033.73
1034.31
1034.89
1035.47
1035.87
1034.05
1034.78
1035.51
1034.63
1035.36
1031.60
1032.06
1031.00
1032.36
1033.32
1033.66
1034.82
1029.70
1031.39
1031.20
1031.56
1032.23
1032.04
1032.23
1032.23
1032.04
1032.04
1032.04
1032.04
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1032.23
1032.04
1032.04
1032.04
1032.04

2



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS OVERVIEW	SHEET 28	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021301-CR.DWG
LAYOUT NAME - 3001265-021301-cr

PLOT DATE : 10/9/2025 11:55 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS OVERVIEW	SHEET 29	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021301-CR.DWG
LAYOUT NAME - 3001265-021302-cr

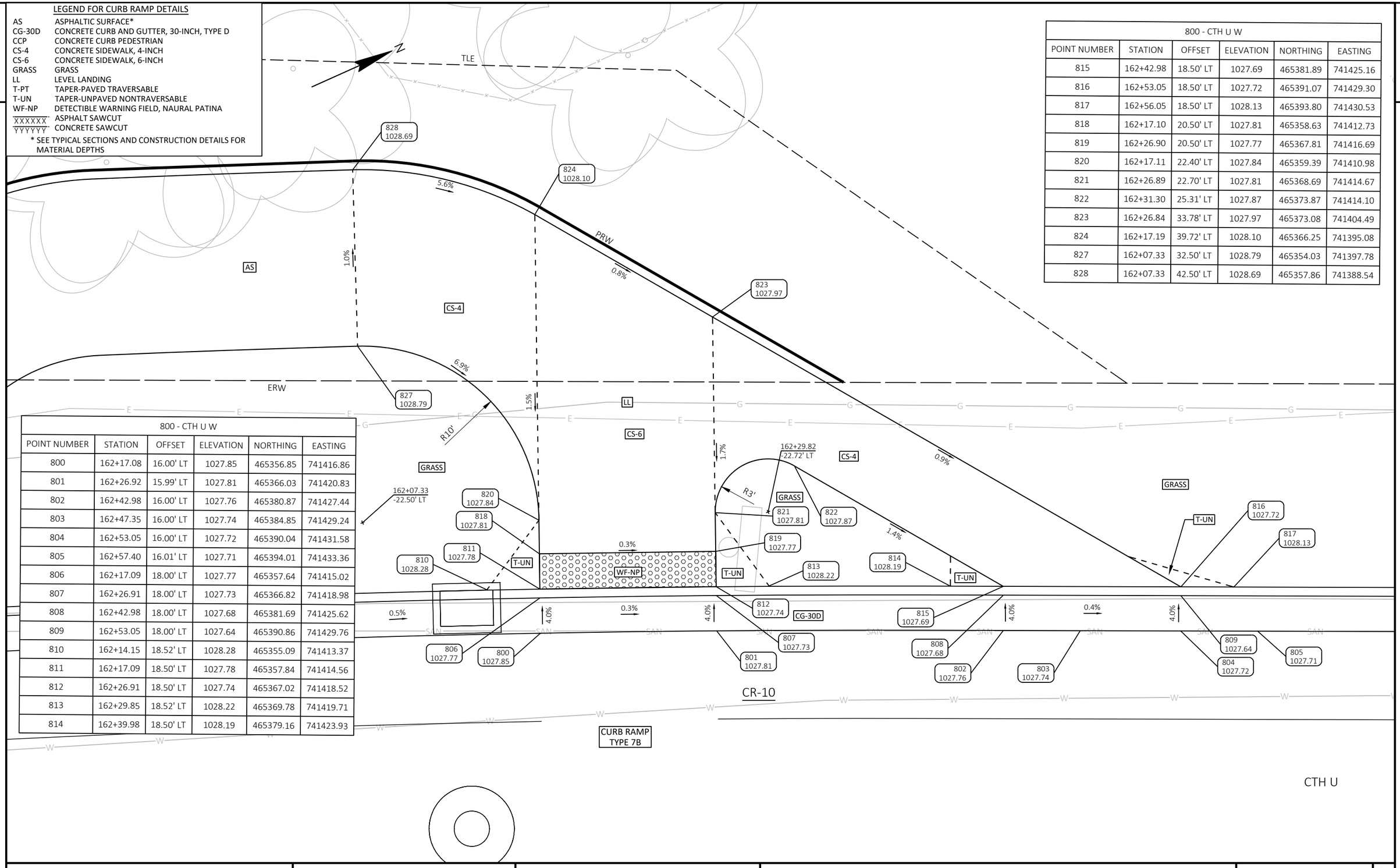
PLOT DATE : 10/9/2025 11:55 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS



800 - CTH U W					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	162+17.08	16.00' LT	1027.85	465356.85	741416.86
801	162+26.92	15.99' LT	1027.81	465366.03	741420.83
802	162+42.98	16.00' LT	1027.76	465380.87	741427.44
803	162+47.35	16.00' LT	1027.74	465384.85	741429.24
804	162+53.05	16.00' LT	1027.72	465390.04	741431.58
805	162+57.40	16.01' LT	1027.71	465394.01	741433.36
806	162+17.09	18.00' LT	1027.77	465357.64	741415.02
807	162+26.91	18.00' LT	1027.73	465366.82	741418.98
808	162+42.98	18.00' LT	1027.68	465381.69	741425.62
809	162+53.05	18.00' LT	1027.64	465390.86	741429.76
810	162+14.15	18.52' LT	1028.28	465355.09	741413.37
811	162+17.09	18.50' LT	1027.78	465357.84	741414.56
812	162+26.91	18.50' LT	1027.74	465367.02	741418.52
813	162+29.85	18.52' LT	1028.22	465369.78	741419.71
814	162+39.98	18.50' LT	1028.19	465379.16	741423.93

800 - CTH U W					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
815	162+42.98	18.50' LT	1027.69	465381.89	741425.16
816	162+53.05	18.50' LT	1027.72	465391.07	741429.30
817	162+56.05	18.50' LT	1028.13	465393.80	741430.53
818	162+17.10	20.50' LT	1027.81	465358.63	741412.73
819	162+26.90	20.50' LT	1027.77	465367.81	741416.69
820	162+17.11	22.40' LT	1027.84	465359.39	741410.98
821	162+26.89	22.70' LT	1027.81	465368.69	741414.67
822	162+31.30	25.31' LT	1027.87	465373.87	741414.10
823	162+26.84	33.78' LT	1027.97	465373.08	741404.49
824	162+17.19	39.72' LT	1028.10	465366.25	741395.08
827	162+07.33	32.50' LT	1028.79	465354.03	741397.78
828	162+07.33	42.50' LT	1028.69	465357.86	741388.54

2

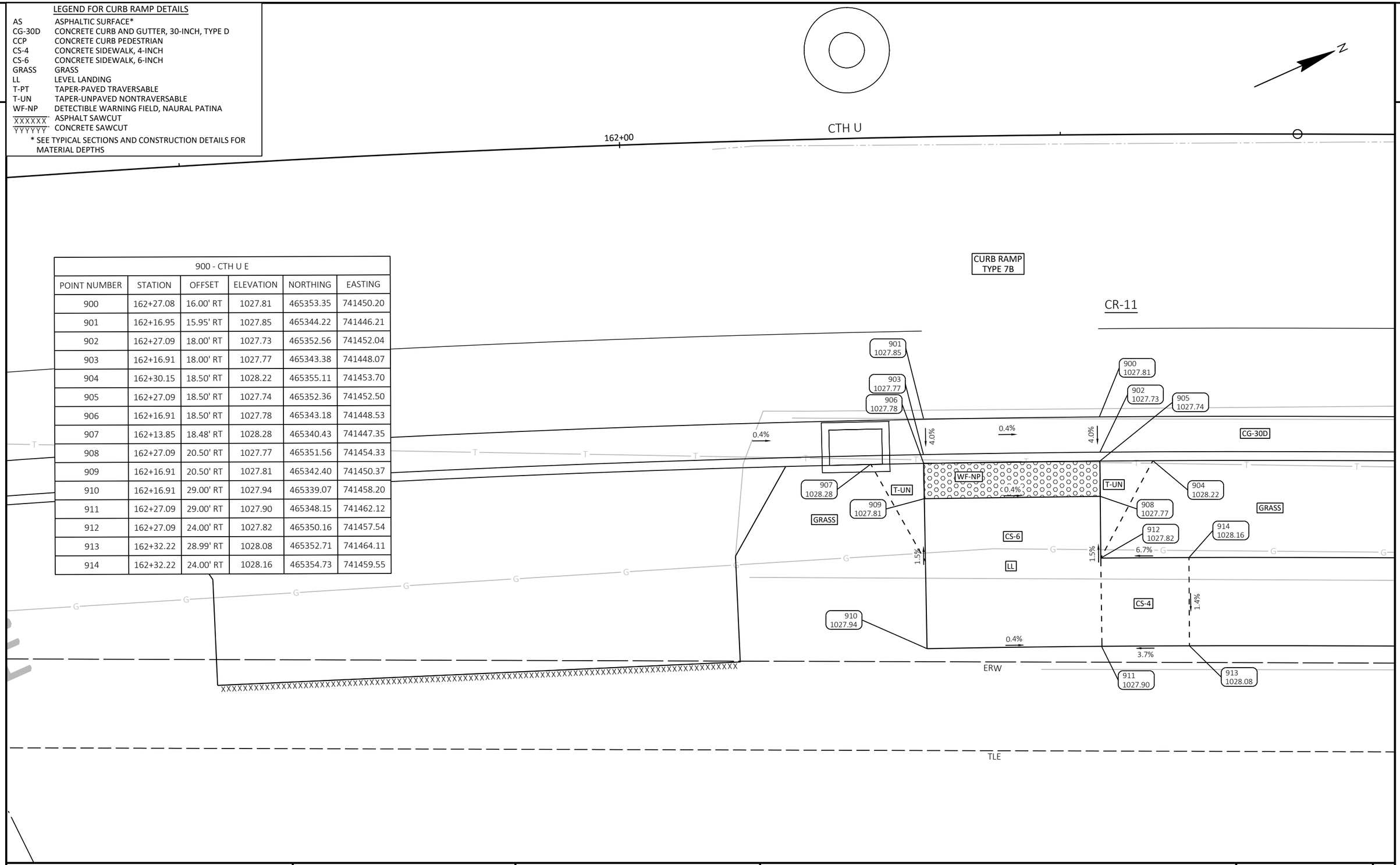
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 30	E

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

900 - CTH U E					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	162+27.08	16.00' RT	1027.81	465353.35	741450.20
901	162+16.95	15.95' RT	1027.85	465344.22	741446.21
902	162+27.09	18.00' RT	1027.73	465352.56	741452.04
903	162+16.91	18.00' RT	1027.77	465343.38	741448.07
904	162+30.15	18.50' RT	1028.22	465355.11	741453.70
905	162+27.09	18.50' RT	1027.74	465352.36	741452.50
906	162+16.91	18.50' RT	1027.78	465343.18	741448.53
907	162+13.85	18.48' RT	1028.28	465340.43	741447.35
908	162+27.09	20.50' RT	1027.77	465351.56	741454.33
909	162+16.91	20.50' RT	1027.81	465342.40	741450.37
910	162+16.91	29.00' RT	1027.94	465339.07	741458.20
911	162+27.09	29.00' RT	1027.90	465348.15	741462.12
912	162+27.09	24.00' RT	1027.82	465350.16	741457.54
913	162+32.22	28.99' RT	1028.08	465352.71	741464.11
914	162+32.22	24.00' RT	1028.16	465354.73	741459.55



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 31	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021311-cr

PLOT DATE : 10/9/2025 11:59 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:5 FT

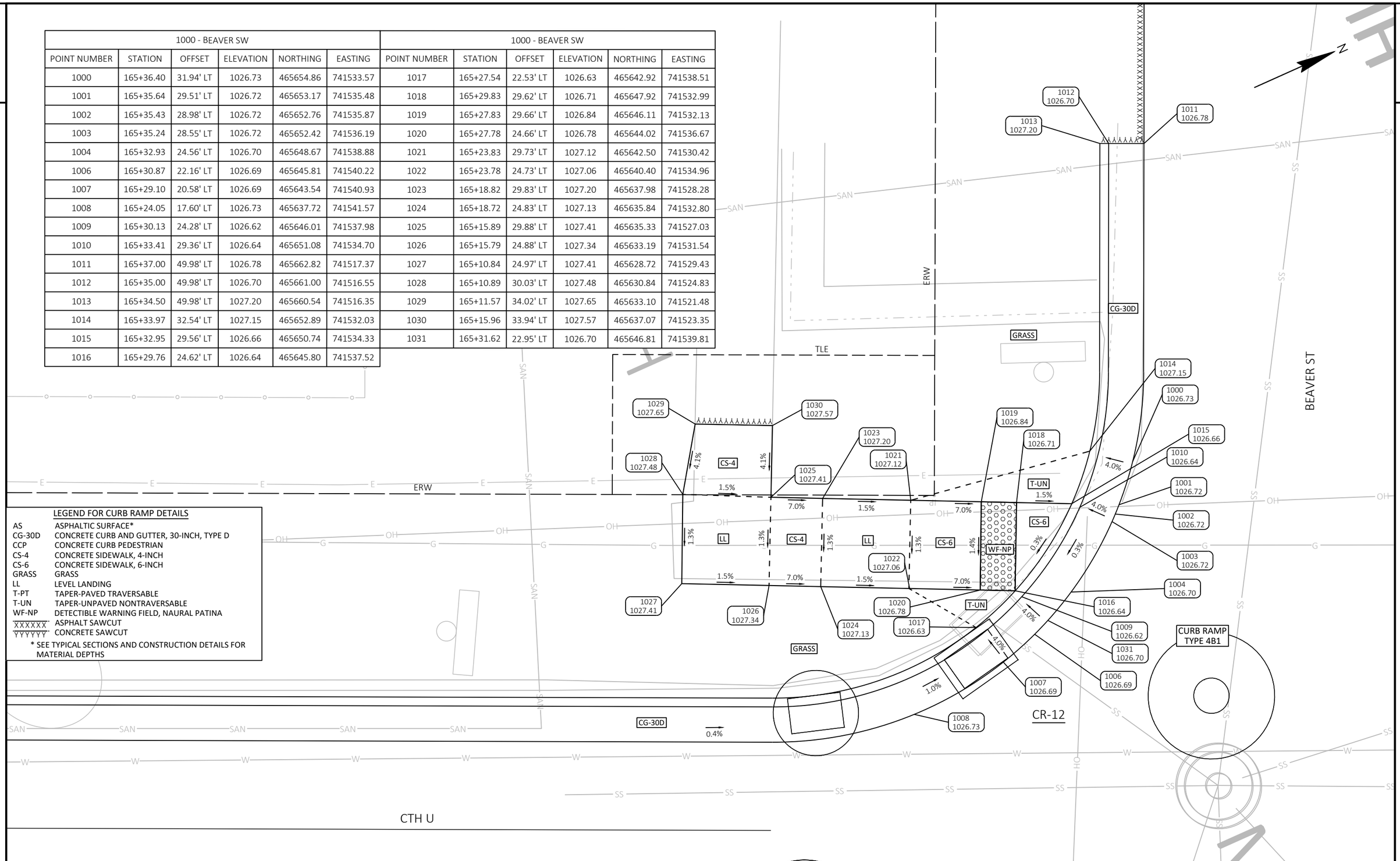
1000 - BEAVER SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1000	165+36.40	31.94' LT	1026.73	465654.86	741533.57
1001	165+35.64	29.51' LT	1026.72	465653.17	741535.48
1002	165+35.43	28.98' LT	1026.72	465652.76	741535.87
1003	165+35.24	28.55' LT	1026.72	465652.42	741536.19
1004	165+32.93	24.56' LT	1026.70	465648.67	741538.88
1006	165+30.87	22.16' LT	1026.69	465645.81	741540.22
1007	165+29.10	20.58' LT	1026.69	465643.54	741540.93
1008	165+24.05	17.60' LT	1026.73	465637.72	741541.57
1009	165+30.13	24.28' LT	1026.62	465646.01	741537.98
1010	165+33.41	29.36' LT	1026.64	465651.08	741534.70
1011	165+37.00	49.98' LT	1026.78	465662.82	741517.37
1012	165+35.00	49.98' LT	1026.70	465661.00	741516.55
1013	165+34.50	49.98' LT	1027.20	465660.54	741516.35
1014	165+33.97	32.54' LT	1027.15	465652.89	741532.03
1015	165+32.95	29.56' LT	1026.66	465650.74	741534.33
1016	165+29.76	24.62' LT	1026.64	465645.80	741537.52

1000 - BEAVER SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1017	165+27.54	22.53' LT	1026.63	465642.92	741538.51
1018	165+29.83	29.62' LT	1026.71	465647.92	741532.99
1019	165+27.83	29.66' LT	1026.84	465646.11	741532.13
1020	165+27.78	24.66' LT	1026.78	465644.02	741536.67
1021	165+23.83	29.73' LT	1027.12	465642.50	741530.42
1022	165+23.78	24.73' LT	1027.06	465640.40	741534.96
1023	165+18.82	29.83' LT	1027.20	465637.98	741528.28
1024	165+18.72	24.83' LT	1027.13	465635.84	741532.80
1025	165+15.89	29.88' LT	1027.41	465635.33	741527.03
1026	165+15.79	24.88' LT	1027.34	465633.19	741531.54
1027	165+10.84	24.97' LT	1027.41	465628.72	741529.43
1028	165+10.89	30.03' LT	1027.48	465630.84	741524.83
1029	165+11.57	34.02' LT	1027.65	465633.10	741521.48
1030	165+15.96	33.94' LT	1027.57	465637.07	741523.35
1031	165+31.62	22.95' LT	1026.70	465646.81	741539.81

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

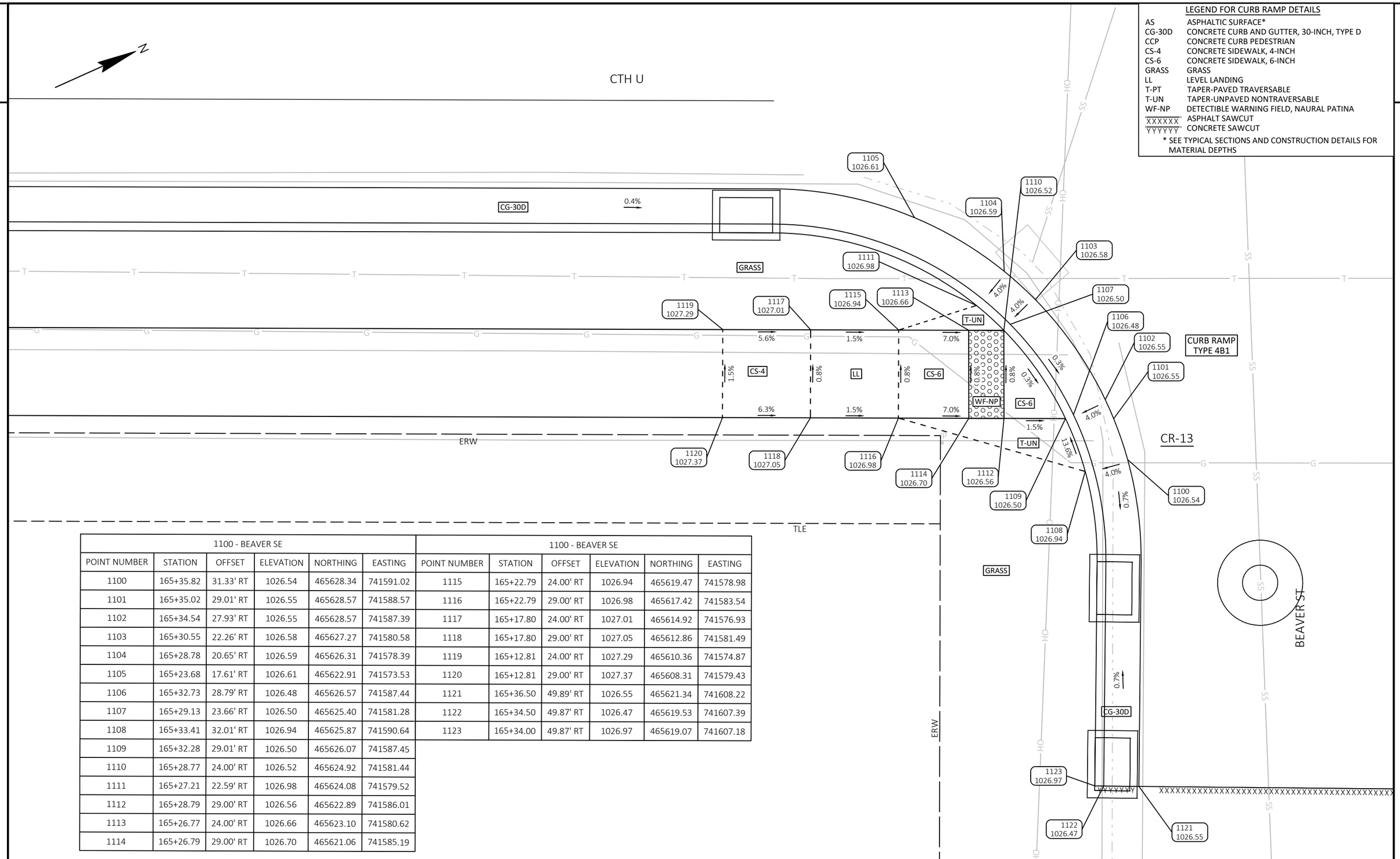


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 32	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021312-cr

PLOT DATE : 10/9/2025 11:59 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

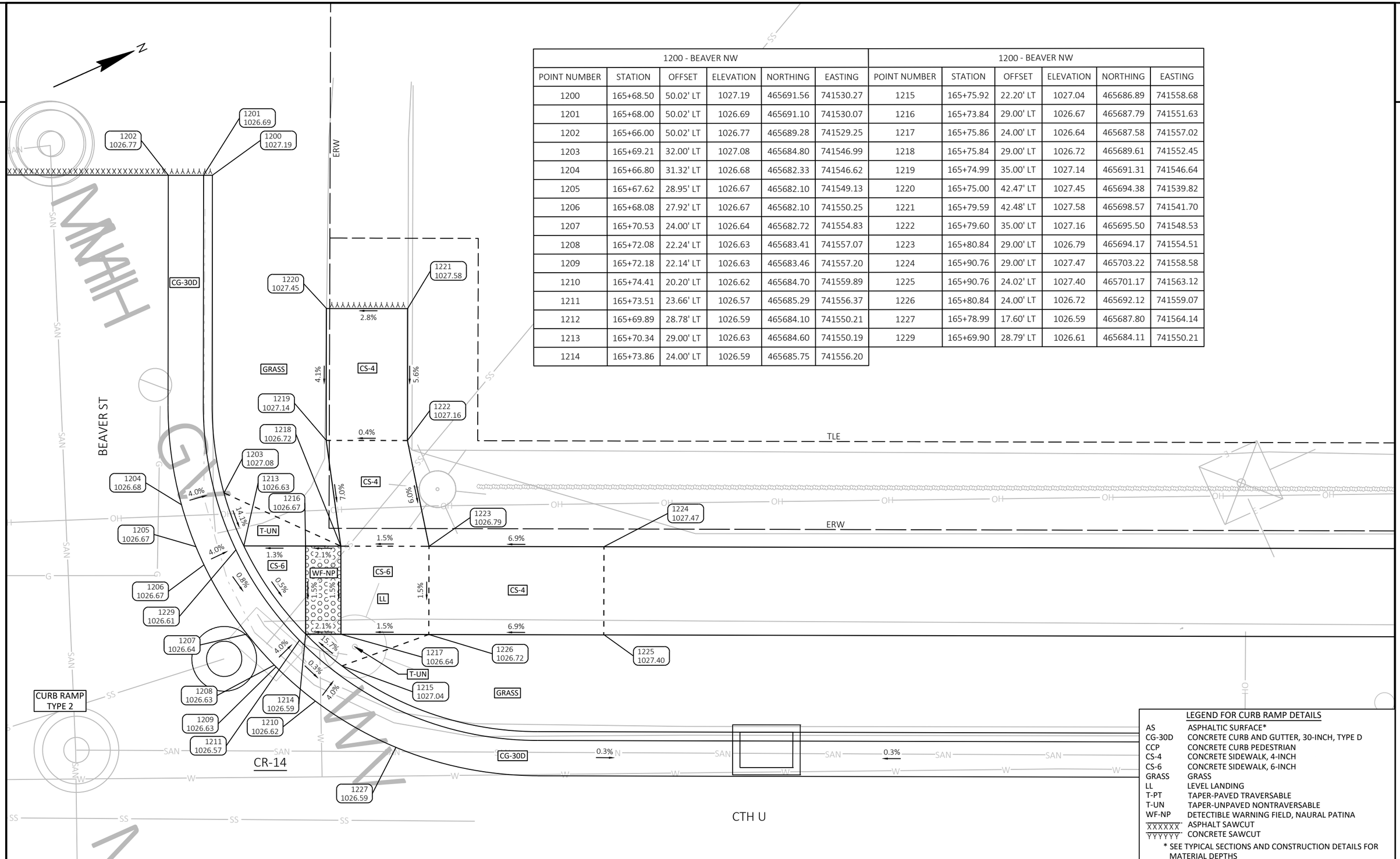


1100 - BEAVER SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	165+35.82	31.33' RT	1026.54	465628.34	741591.02
1101	165+35.02	29.01' RT	1026.55	465628.57	741588.57
1102	165+34.54	27.93' RT	1026.55	465628.57	741587.39
1103	165+30.55	22.26' RT	1026.58	465627.27	741580.58
1104	165+28.78	20.65' RT	1026.59	465626.31	741578.39
1105	165+23.68	17.61' RT	1026.61	465622.91	741573.53
1106	165+32.73	28.79' RT	1026.48	465626.57	741587.44
1107	165+29.13	23.66' RT	1026.50	465625.40	741581.28
1108	165+33.41	32.01' RT	1026.94	465625.87	741590.64
1109	165+32.28	29.01' RT	1026.50	465626.07	741587.45
1110	165+28.77	24.00' RT	1026.52	465624.92	741581.44
1111	165+27.21	22.59' RT	1026.98	465624.08	741579.52
1112	165+28.79	29.00' RT	1026.56	465622.89	741586.01
1113	165+26.77	24.00' RT	1026.66	465623.10	741580.62
1114	165+26.79	29.00' RT	1026.70	465621.06	741585.19

1100 - BEAVER SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1115	165+22.79	24.00' RT	1026.94	465619.47	741578.98
1116	165+22.79	29.00' RT	1026.98	465617.42	741583.54
1117	165+17.80	24.00' RT	1027.01	465614.92	741576.93
1118	165+17.80	29.00' RT	1027.05	465612.86	741581.49
1119	165+12.81	24.00' RT	1027.29	465610.36	741574.87
1120	165+12.81	29.00' RT	1027.37	465608.31	741579.43
1121	165+36.50	49.89' RT	1026.55	465621.34	741608.22
1122	165+34.50	49.87' RT	1026.47	465619.53	741607.39
1123	165+34.00	49.87' RT	1026.97	465619.07	741607.18

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 33	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021313-cr
PLOT DATE : 10/9/2025 11:59 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



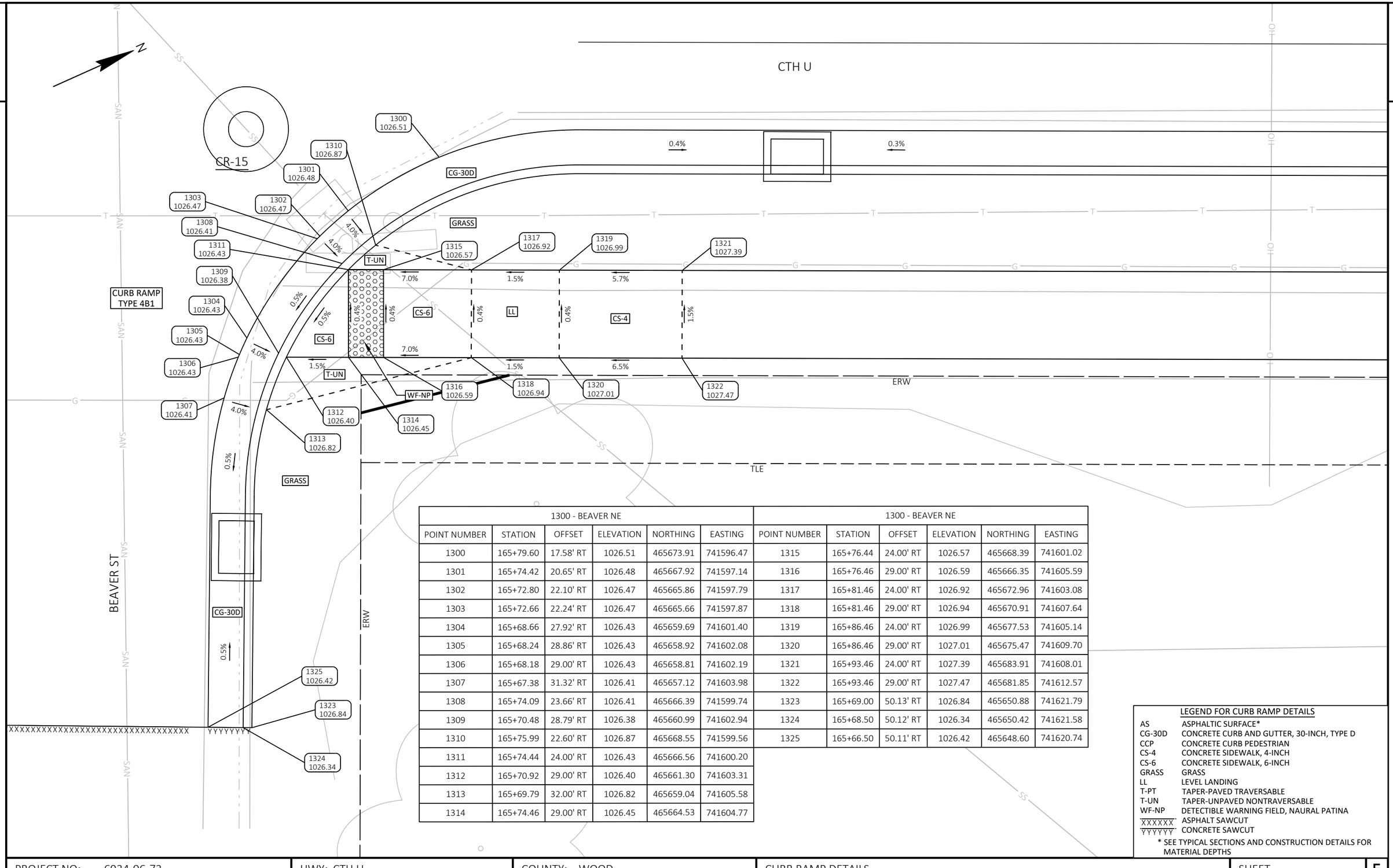
1200 - BEAVER NW						1200 - BEAVER NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1200	165+68.50	50.02' LT	1027.19	465691.56	741530.27	1215	165+75.92	22.20' LT	1027.04	465686.89	741558.68
1201	165+68.00	50.02' LT	1026.69	465691.10	741530.07	1216	165+73.84	29.00' LT	1026.67	465687.79	741551.63
1202	165+66.00	50.02' LT	1026.77	465689.28	741529.25	1217	165+75.86	24.00' LT	1026.64	465687.58	741557.02
1203	165+69.21	32.00' LT	1027.08	465684.80	741546.99	1218	165+75.84	29.00' LT	1026.72	465689.61	741552.45
1204	165+66.80	31.32' LT	1026.68	465682.33	741546.62	1219	165+74.99	35.00' LT	1027.14	465691.31	741546.64
1205	165+67.62	28.95' LT	1026.67	465682.10	741549.13	1220	165+75.00	42.47' LT	1027.45	465694.38	741539.82
1206	165+68.08	27.92' LT	1026.67	465682.10	741550.25	1221	165+79.59	42.48' LT	1027.58	465698.57	741541.70
1207	165+70.53	24.00' LT	1026.64	465682.72	741554.83	1222	165+79.60	35.00' LT	1027.16	465695.50	741548.53
1208	165+72.08	22.24' LT	1026.63	465683.41	741557.07	1223	165+80.84	29.00' LT	1026.79	465694.17	741554.51
1209	165+72.18	22.14' LT	1026.63	465683.46	741557.20	1224	165+90.76	29.00' LT	1027.47	465703.22	741558.58
1210	165+74.41	20.20' LT	1026.62	465684.70	741559.89	1225	165+90.76	24.02' LT	1027.40	465701.17	741563.12
1211	165+73.51	23.66' LT	1026.57	465685.29	741556.37	1226	165+80.84	24.00' LT	1026.72	465692.12	741559.07
1212	165+69.89	28.78' LT	1026.59	465684.10	741550.21	1227	165+78.99	17.60' LT	1026.59	465687.80	741564.14
1213	165+70.34	29.00' LT	1026.63	465684.60	741550.19	1229	165+69.90	28.79' LT	1026.61	465684.11	741550.21
1214	165+73.86	24.00' LT	1026.59	465685.75	741556.20						

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 34	E



1300 - BEAVER NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1300	165+79.60	17.58' RT	1026.51	465673.91	741596.47
1301	165+74.42	20.65' RT	1026.48	465667.92	741597.14
1302	165+72.80	22.10' RT	1026.47	465665.86	741597.79
1303	165+72.66	22.24' RT	1026.47	465665.66	741597.87
1304	165+68.66	27.92' RT	1026.43	465659.69	741601.40
1305	165+68.24	28.86' RT	1026.43	465658.92	741602.08
1306	165+68.18	29.00' RT	1026.43	465658.81	741602.19
1307	165+67.38	31.32' RT	1026.41	465657.12	741603.98
1308	165+74.09	23.66' RT	1026.41	465666.39	741599.74
1309	165+70.48	28.79' RT	1026.38	465660.99	741602.94
1310	165+75.99	22.60' RT	1026.87	465668.55	741599.56
1311	165+74.44	24.00' RT	1026.43	465666.56	741600.20
1312	165+70.92	29.00' RT	1026.40	465661.30	741603.31
1313	165+69.79	32.00' RT	1026.82	465659.04	741605.58
1314	165+74.46	29.00' RT	1026.45	465664.53	741604.77

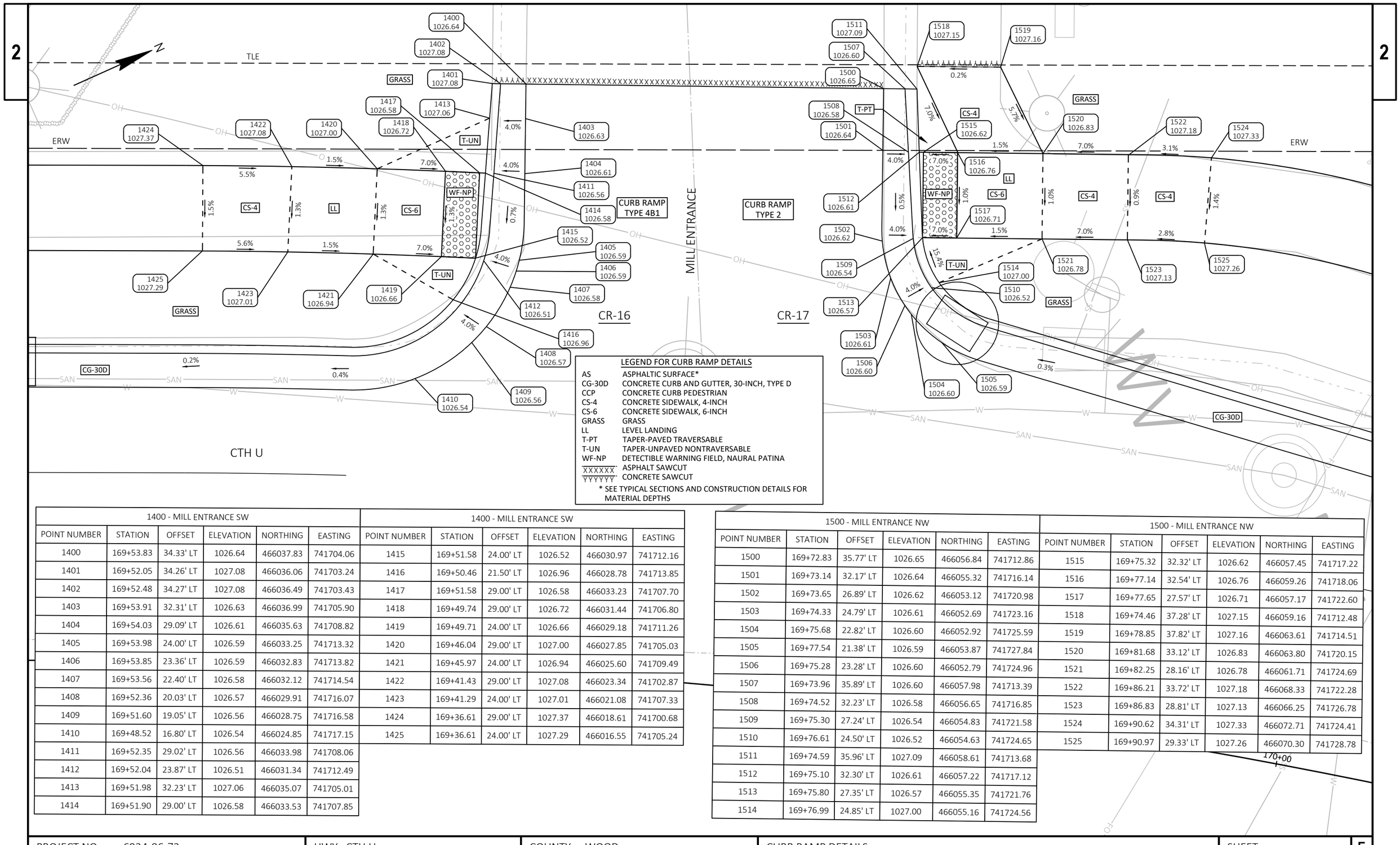
1300 - BEAVER NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1315	165+76.44	24.00' RT	1026.57	465668.39	741601.02
1316	165+76.46	29.00' RT	1026.59	465666.35	741605.59
1317	165+81.46	24.00' RT	1026.92	465672.96	741603.08
1318	165+81.46	29.00' RT	1026.94	465670.91	741607.64
1319	165+86.46	24.00' RT	1026.99	465677.53	741605.14
1320	165+86.46	29.00' RT	1027.01	465675.47	741609.70
1321	165+93.46	24.00' RT	1027.39	465683.91	741608.01
1322	165+93.46	29.00' RT	1027.47	465681.85	741612.57
1323	165+69.00	50.13' RT	1026.84	465650.88	741621.79
1324	165+68.50	50.12' RT	1026.34	465650.42	741621.58
1325	165+66.50	50.11' RT	1026.42	465648.60	741620.74

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 35	E



LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

1400 - MILL ENTRANCE SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1400	169+53.83	34.33' LT	1026.64	466037.83	741704.06
1401	169+52.05	34.26' LT	1027.08	466036.06	741703.24
1402	169+52.48	34.27' LT	1027.08	466036.49	741703.43
1403	169+53.91	32.31' LT	1026.63	466036.99	741705.90
1404	169+54.03	29.09' LT	1026.61	466035.63	741708.82
1405	169+53.98	24.00' LT	1026.59	466033.25	741713.32
1406	169+53.85	23.36' LT	1026.59	466032.83	741713.82
1407	169+53.56	22.40' LT	1026.58	466032.12	741714.54
1408	169+52.36	20.03' LT	1026.57	466029.91	741716.07
1409	169+51.60	19.05' LT	1026.56	466028.75	741716.58
1410	169+48.52	16.80' LT	1026.54	466024.85	741717.15
1411	169+52.35	29.02' LT	1026.56	466033.98	741708.06
1412	169+52.04	23.87' LT	1026.51	466031.34	741712.49
1413	169+51.98	32.23' LT	1027.06	466035.07	741705.01
1414	169+51.90	29.00' LT	1026.58	466033.53	741707.85

1400 - MILL ENTRANCE SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1415	169+51.58	24.00' LT	1026.52	466030.97	741712.16
1416	169+50.46	21.50' LT	1026.96	466028.78	741713.85
1417	169+51.58	29.00' LT	1026.58	466033.23	741707.70
1418	169+49.74	29.00' LT	1026.72	466031.44	741706.80
1419	169+49.71	24.00' LT	1026.66	466029.18	741711.26
1420	169+46.04	29.00' LT	1027.00	466027.85	741705.03
1421	169+45.97	24.00' LT	1026.94	466025.60	741709.49
1422	169+41.43	29.00' LT	1027.08	466023.34	741702.87
1423	169+41.29	24.00' LT	1027.01	466021.08	741707.33
1424	169+36.61	29.00' LT	1027.37	466018.61	741700.68
1425	169+36.61	24.00' LT	1027.29	466016.55	741705.24

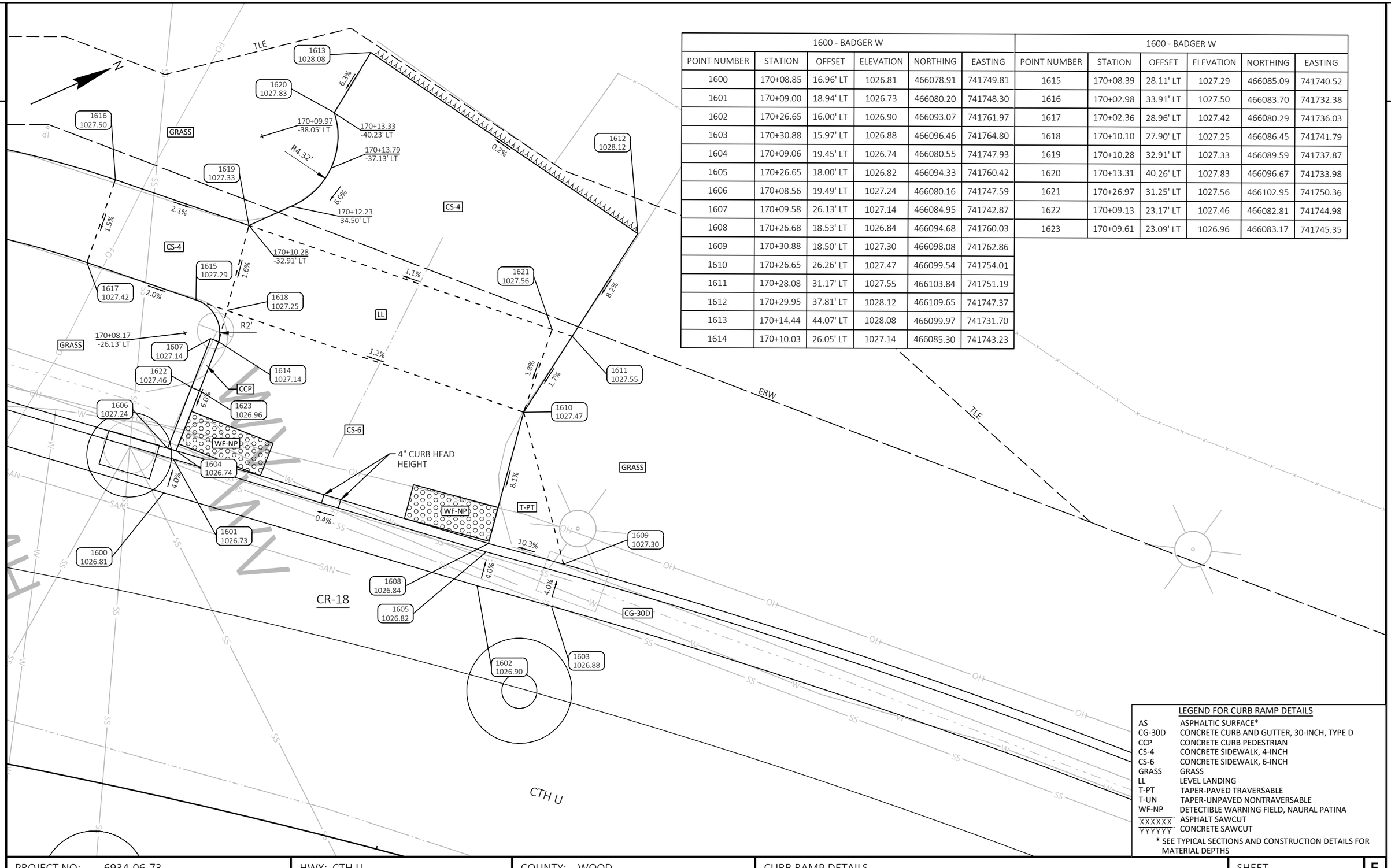
1500 - MILL ENTRANCE NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1500	169+72.83	35.77' LT	1026.65	466056.84	741712.86
1501	169+73.14	32.17' LT	1026.64	466055.32	741716.14
1502	169+73.65	26.89' LT	1026.62	466053.12	741720.98
1503	169+74.33	24.79' LT	1026.61	466052.69	741723.16
1504	169+75.68	22.82' LT	1026.60	466052.92	741725.59
1505	169+77.54	21.38' LT	1026.59	466053.87	741727.84
1506	169+75.28	23.28' LT	1026.60	466052.79	741724.96
1507	169+73.96	35.89' LT	1026.60	466057.98	741713.39
1508	169+74.52	32.23' LT	1026.58	466056.65	741716.85
1509	169+75.30	27.24' LT	1026.54	466054.83	741721.58
1510	169+76.61	24.50' LT	1026.52	466054.63	741724.65
1511	169+74.59	35.96' LT	1027.09	466058.61	741713.68
1512	169+75.10	32.30' LT	1026.61	466057.22	741717.12
1513	169+75.80	27.35' LT	1026.57	466055.35	741721.76
1514	169+76.99	24.85' LT	1027.00	466055.16	741724.56

1500 - MILL ENTRANCE NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1515	169+75.32	32.32' LT	1026.62	466057.45	741717.22
1516	169+77.14	32.54' LT	1026.76	466059.26	741718.06
1517	169+77.65	27.57' LT	1026.71	466057.17	741722.60
1518	169+74.46	37.28' LT	1027.15	466059.16	741712.48
1519	169+78.85	37.82' LT	1027.16	466063.61	741714.51
1520	169+81.68	33.12' LT	1026.83	466063.80	741720.15
1521	169+82.25	28.16' LT	1026.78	466061.71	741724.69
1522	169+86.21	33.72' LT	1027.18	466068.33	741722.28
1523	169+86.83	28.81' LT	1027.13	466066.25	741726.78
1524	169+90.62	34.31' LT	1027.33	466072.71	741724.41
1525	169+90.97	29.33' LT	1027.26	466070.30	741728.78

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 36 E



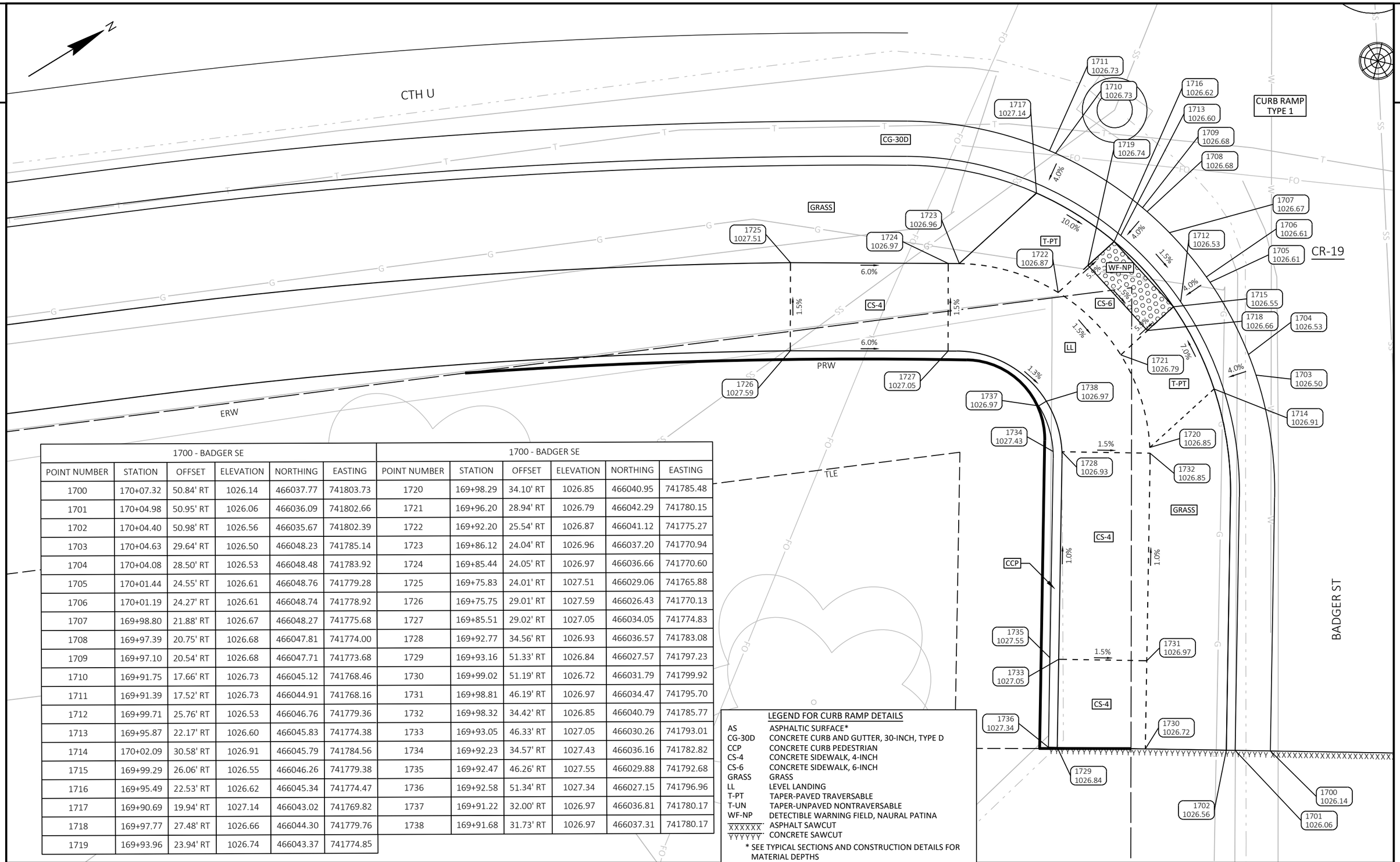
1600 - BADGER W						1600 - BADGER W					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1600	170+08.85	16.96' LT	1026.81	466078.91	741749.81	1615	170+08.39	28.11' LT	1027.29	466085.09	741740.52
1601	170+09.00	18.94' LT	1026.73	466080.20	741748.30	1616	170+02.98	33.91' LT	1027.50	466083.70	741732.38
1602	170+26.65	16.00' LT	1026.90	466093.07	741761.97	1617	170+02.36	28.96' LT	1027.42	466080.29	741736.03
1603	170+30.88	15.97' LT	1026.88	466096.46	741764.80	1618	170+10.10	27.90' LT	1027.25	466086.45	741741.79
1604	170+09.06	19.45' LT	1026.74	466080.55	741747.93	1619	170+10.28	32.91' LT	1027.33	466089.59	741737.87
1605	170+26.65	18.00' LT	1026.82	466094.33	741760.42	1620	170+13.31	40.26' LT	1027.83	466096.67	741733.98
1606	170+08.56	19.49' LT	1027.24	466080.16	741747.59	1621	170+26.97	31.25' LT	1027.56	466102.95	741750.36
1607	170+09.58	26.13' LT	1027.14	466084.95	741742.87	1622	170+09.13	23.17' LT	1027.46	466082.81	741744.98
1608	170+26.68	18.53' LT	1026.84	466094.68	741760.03	1623	170+09.61	23.09' LT	1026.96	466083.17	741745.35
1609	170+30.88	18.50' LT	1027.30	466098.08	741762.86						
1610	170+26.65	26.26' LT	1027.47	466099.54	741754.01						
1611	170+28.08	31.17' LT	1027.55	466103.84	741751.19						
1612	170+29.95	37.81' LT	1028.12	466109.65	741747.37						
1613	170+14.44	44.07' LT	1028.08	466099.97	741731.70						
1614	170+10.03	26.05' LT	1027.14	466085.30	741743.23						

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 37	E



1700 - BADGER SE						1700 - BADGER SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1700	170+07.32	50.84' RT	1026.14	466037.77	741803.73	1720	169+98.29	34.10' RT	1026.85	466040.95	741785.48
1701	170+04.98	50.95' RT	1026.06	466036.09	741802.66	1721	169+96.20	28.94' RT	1026.79	466042.29	741780.15
1702	170+04.40	50.98' RT	1026.56	466035.67	741802.39	1722	169+92.20	25.54' RT	1026.87	466041.12	741775.27
1703	170+04.63	29.64' RT	1026.50	466048.23	741785.14	1723	169+86.12	24.04' RT	1026.96	466037.20	741770.94
1704	170+04.08	28.50' RT	1026.53	466048.48	741783.92	1724	169+85.44	24.05' RT	1026.97	466036.66	741770.60
1705	170+01.44	24.55' RT	1026.61	466048.76	741779.28	1725	169+75.83	24.01' RT	1027.51	466029.06	741765.88
1706	170+01.19	24.27' RT	1026.61	466048.74	741778.92	1726	169+75.75	29.01' RT	1027.59	466026.43	741770.13
1707	169+98.80	21.88' RT	1026.67	466048.27	741775.68	1727	169+85.51	29.02' RT	1027.05	466034.05	741774.83
1708	169+97.39	20.75' RT	1026.68	466047.81	741774.00	1728	169+92.77	34.56' RT	1026.93	466036.57	741783.08
1709	169+97.10	20.54' RT	1026.68	466047.71	741773.68	1729	169+93.16	51.33' RT	1026.84	466027.57	741797.23
1710	169+91.75	17.66' RT	1026.73	466045.12	741768.46	1730	169+99.02	51.19' RT	1026.72	466031.79	741799.92
1711	169+91.39	17.52' RT	1026.73	466044.91	741768.16	1731	169+98.81	46.19' RT	1026.97	466034.47	741795.70
1712	169+99.71	25.76' RT	1026.53	466046.76	741779.36	1732	169+98.32	34.42' RT	1026.85	466040.79	741785.77
1713	169+95.87	22.17' RT	1026.60	466045.83	741774.38	1733	169+93.05	46.33' RT	1027.05	466030.26	741793.01
1714	170+02.09	30.58' RT	1026.91	466045.79	741784.56	1734	169+92.23	34.57' RT	1027.43	466036.16	741782.82
1715	169+99.29	26.06' RT	1026.55	466046.26	741779.38	1735	169+92.47	46.26' RT	1027.55	466029.88	741792.68
1716	169+95.49	22.53' RT	1026.62	466045.34	741774.47	1736	169+92.58	51.34' RT	1027.34	466027.15	741796.96
1717	169+90.69	19.94' RT	1027.14	466043.02	741769.82	1737	169+91.22	32.00' RT	1026.97	466036.81	741780.17
1718	169+97.77	27.48' RT	1026.66	466044.30	741779.76	1738	169+91.68	31.73' RT	1026.97	466037.31	741780.17
1719	169+93.96	23.94' RT	1026.74	466043.37	741774.85						

LEGEND FOR CURB RAMP DETAILS

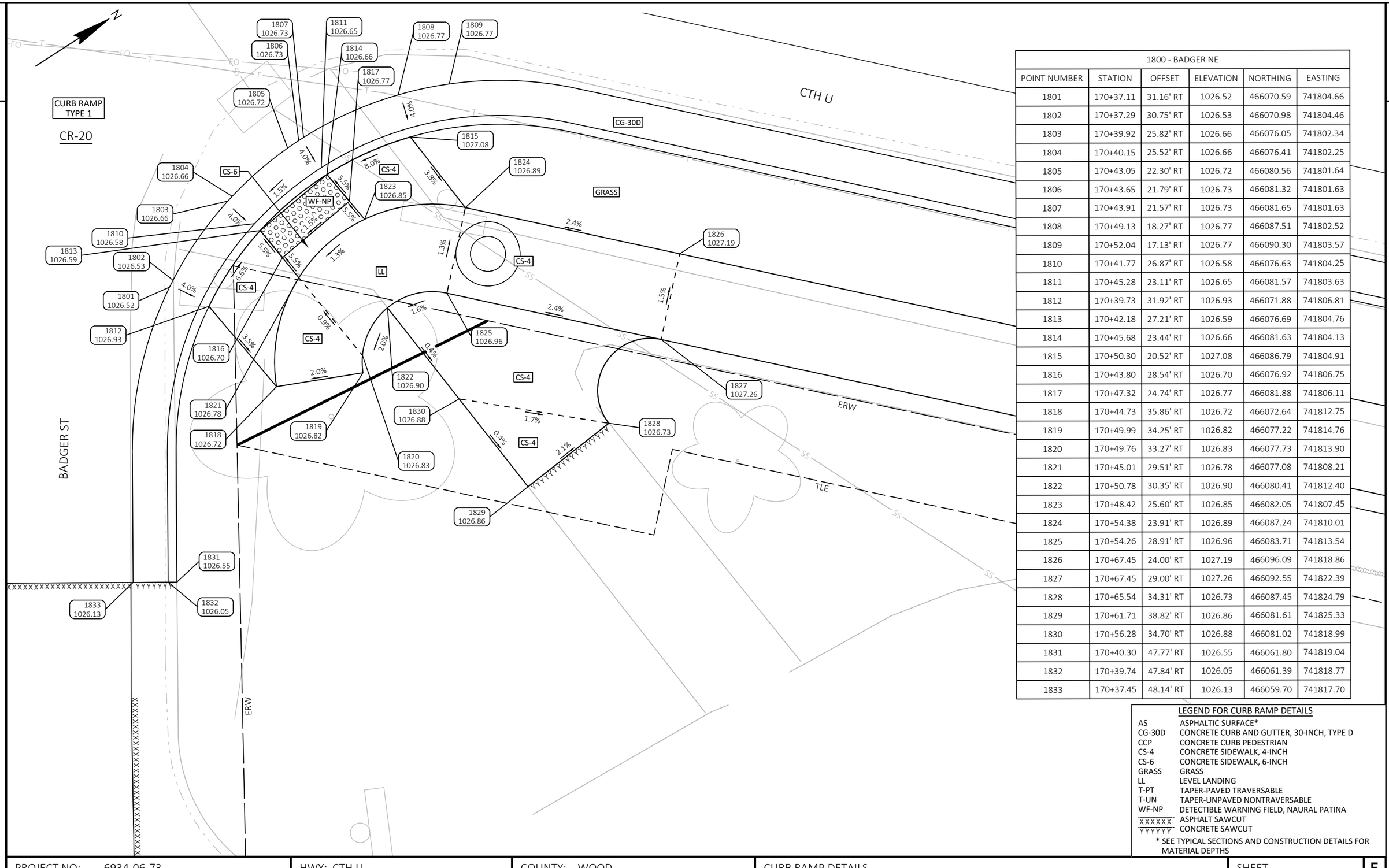
AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 38 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021318-cr

PLOT DATE : 10/9/2025 11:59 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:5 FT



1800 - BADGER NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1801	170+37.11	31.16' RT	1026.52	466070.59	741804.66
1802	170+37.29	30.75' RT	1026.53	466070.98	741804.46
1803	170+39.92	25.82' RT	1026.66	466076.05	741802.34
1804	170+40.15	25.52' RT	1026.66	466076.41	741802.25
1805	170+43.05	22.30' RT	1026.72	466080.56	741801.64
1806	170+43.65	21.79' RT	1026.73	466081.32	741801.63
1807	170+43.91	21.57' RT	1026.73	466081.65	741801.63
1808	170+49.13	18.27' RT	1026.77	466087.51	741802.52
1809	170+52.04	17.13' RT	1026.77	466090.30	741803.57
1810	170+41.77	26.87' RT	1026.58	466076.63	741804.25
1811	170+45.28	23.11' RT	1026.65	466081.57	741803.63
1812	170+39.73	31.92' RT	1026.93	466071.88	741806.81
1813	170+42.18	27.21' RT	1026.59	466076.69	741804.76
1814	170+45.68	23.44' RT	1026.66	466081.63	741804.13
1815	170+50.30	20.52' RT	1027.08	466086.79	741804.91
1816	170+43.80	28.54' RT	1026.70	466076.92	741806.75
1817	170+47.32	24.74' RT	1026.77	466081.88	741806.11
1818	170+44.73	35.86' RT	1026.72	466072.64	741812.75
1819	170+49.99	34.25' RT	1026.82	466077.22	741814.76
1820	170+49.76	33.27' RT	1026.83	466077.73	741813.90
1821	170+45.01	29.51' RT	1026.78	466077.08	741808.21
1822	170+50.78	30.35' RT	1026.90	466080.41	741812.40
1823	170+48.42	25.60' RT	1026.85	466082.05	741807.45
1824	170+54.38	23.91' RT	1026.89	466087.24	741810.01
1825	170+54.26	28.91' RT	1026.96	466083.71	741813.54
1826	170+67.45	24.00' RT	1027.19	466096.09	741818.86
1827	170+67.45	29.00' RT	1027.26	466092.55	741822.39
1828	170+65.54	34.31' RT	1026.73	466087.45	741824.79
1829	170+61.71	38.82' RT	1026.86	466081.61	741825.33
1830	170+56.28	34.70' RT	1026.88	466081.02	741818.99
1831	170+40.30	47.77' RT	1026.55	466061.80	741819.04
1832	170+39.74	47.84' RT	1026.05	466061.39	741818.77
1833	170+37.45	48.14' RT	1026.13	466059.70	741817.70

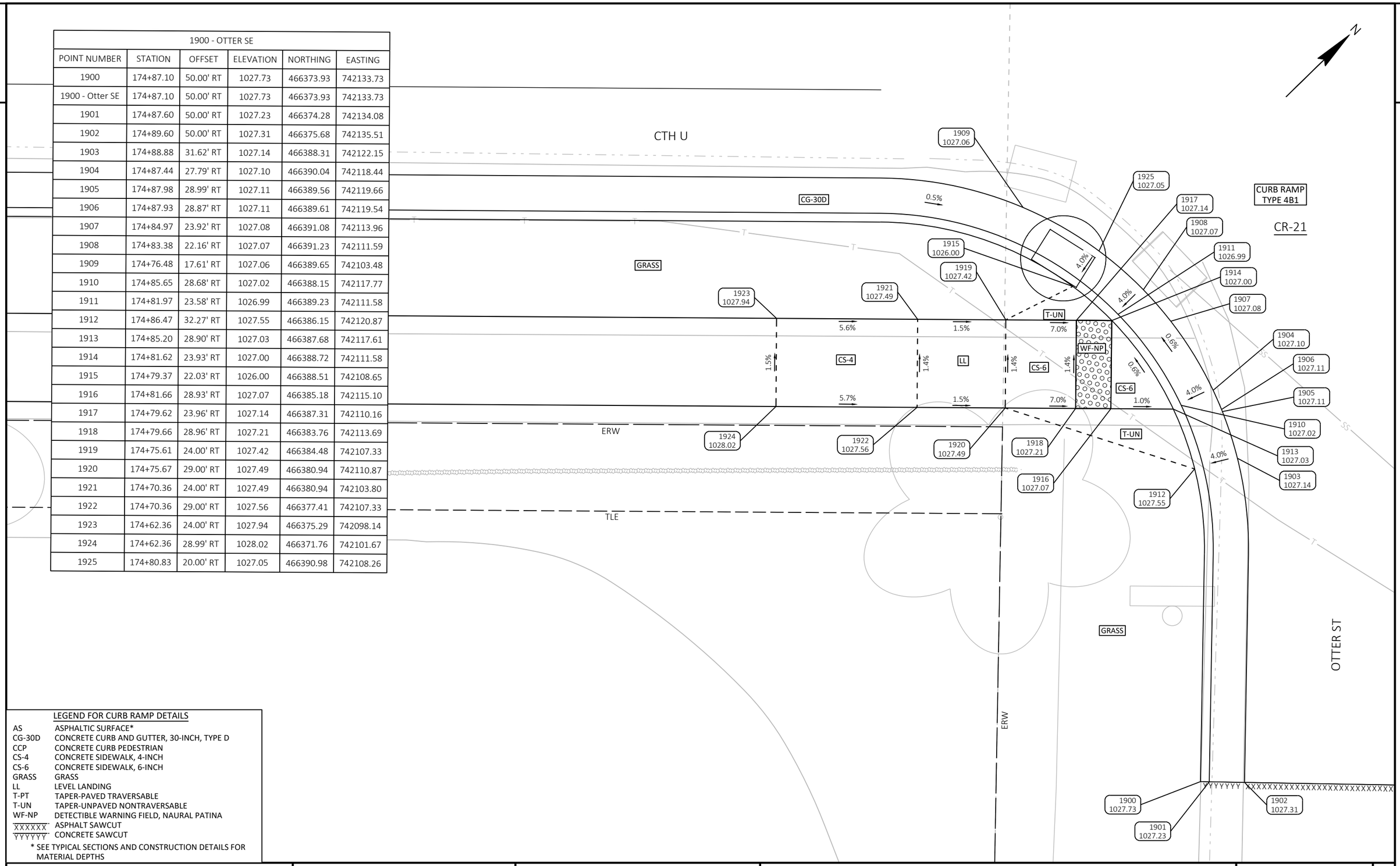
LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 39	E

1900 - OTTER SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1900	174+87.10	50.00' RT	1027.73	466373.93	742133.73
1900 - Otter SE	174+87.10	50.00' RT	1027.73	466373.93	742133.73
1901	174+87.60	50.00' RT	1027.23	466374.28	742134.08
1902	174+89.60	50.00' RT	1027.31	466375.68	742135.51
1903	174+88.88	31.62' RT	1027.14	466388.31	742122.15
1904	174+87.44	27.79' RT	1027.10	466390.04	742118.44
1905	174+87.98	28.99' RT	1027.11	466389.56	742119.66
1906	174+87.93	28.87' RT	1027.11	466389.61	742119.54
1907	174+84.97	23.92' RT	1027.08	466391.08	742113.96
1908	174+83.38	22.16' RT	1027.07	466391.23	742111.59
1909	174+76.48	17.61' RT	1027.06	466389.65	742103.48
1910	174+85.65	28.68' RT	1027.02	466388.15	742117.77
1911	174+81.97	23.58' RT	1026.99	466389.23	742111.58
1912	174+86.47	32.27' RT	1027.55	466386.15	742120.87
1913	174+85.20	28.90' RT	1027.03	466387.68	742117.61
1914	174+81.62	23.93' RT	1027.00	466388.72	742111.58
1915	174+79.37	22.03' RT	1026.00	466388.51	742108.65
1916	174+81.66	28.93' RT	1027.07	466385.18	742115.10
1917	174+79.62	23.96' RT	1027.14	466387.31	742110.16
1918	174+79.66	28.96' RT	1027.21	466383.76	742113.69
1919	174+75.61	24.00' RT	1027.42	466384.48	742107.33
1920	174+75.67	29.00' RT	1027.49	466380.94	742110.87
1921	174+70.36	24.00' RT	1027.49	466380.94	742103.80
1922	174+70.36	29.00' RT	1027.56	466377.41	742107.33
1923	174+62.36	24.00' RT	1027.94	466375.29	742098.14
1924	174+62.36	28.99' RT	1028.02	466371.76	742101.67
1925	174+80.83	20.00' RT	1027.05	466390.98	742108.26

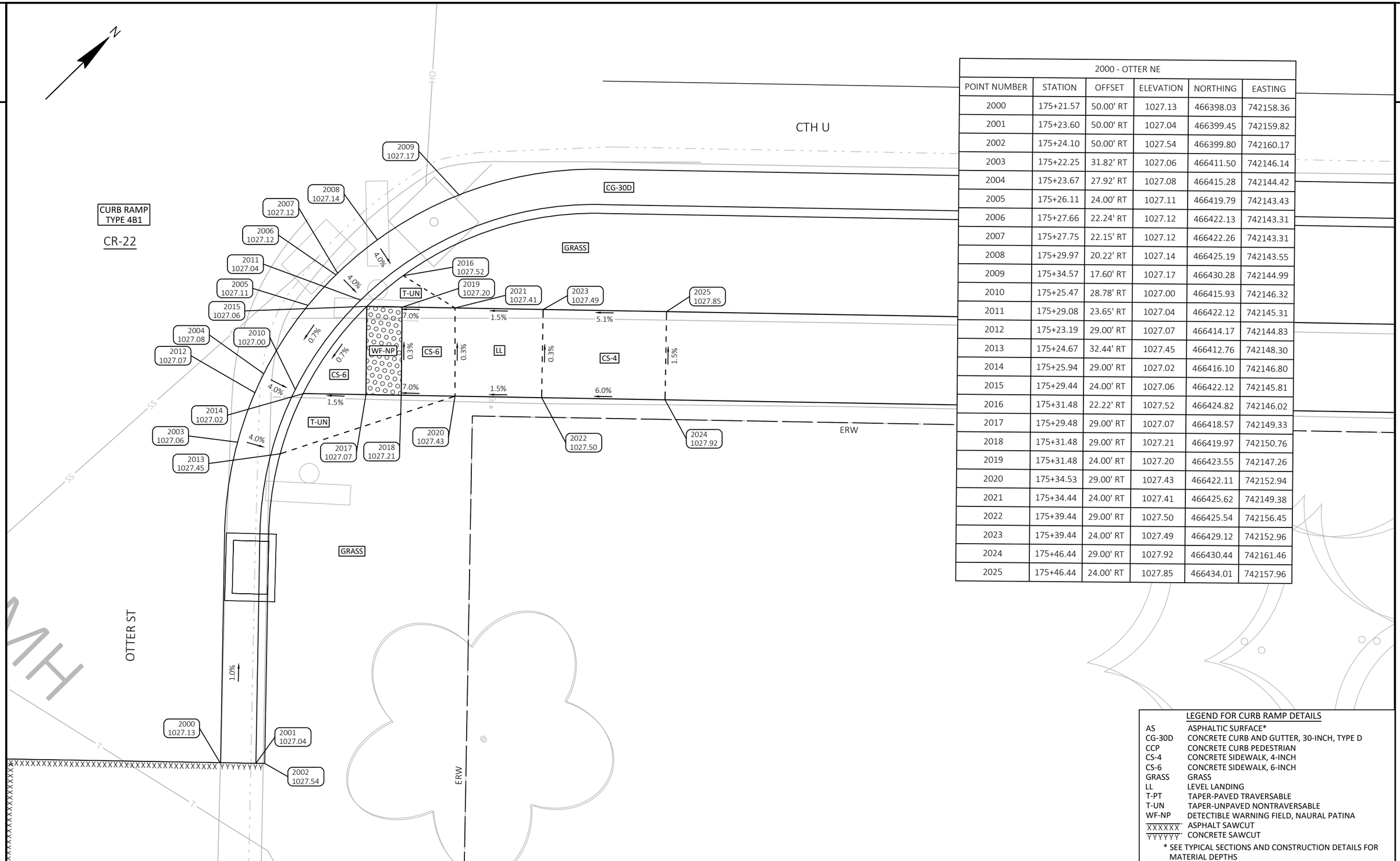


LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 40	E



2000 - OTTER NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2000	175+21.57	50.00' RT	1027.13	466398.03	742158.36
2001	175+23.60	50.00' RT	1027.04	466399.45	742159.82
2002	175+24.10	50.00' RT	1027.54	466399.80	742160.17
2003	175+22.25	31.82' RT	1027.06	466411.50	742146.14
2004	175+23.67	27.92' RT	1027.08	466415.28	742144.42
2005	175+26.11	24.00' RT	1027.11	466419.79	742143.43
2006	175+27.66	22.24' RT	1027.12	466422.13	742143.31
2007	175+27.75	22.15' RT	1027.12	466422.26	742143.31
2008	175+29.97	20.22' RT	1027.14	466425.19	742143.55
2009	175+34.57	17.60' RT	1027.17	466430.28	742144.99
2010	175+25.47	28.78' RT	1027.00	466415.93	742146.32
2011	175+29.08	23.65' RT	1027.04	466422.12	742145.31
2012	175+23.19	29.00' RT	1027.07	466414.17	742144.83
2013	175+24.67	32.44' RT	1027.45	466412.76	742148.30
2014	175+25.94	29.00' RT	1027.02	466416.10	742146.80
2015	175+29.44	24.00' RT	1027.06	466422.12	742145.81
2016	175+31.48	22.22' RT	1027.52	466424.82	742146.02
2017	175+29.48	29.00' RT	1027.07	466418.57	742149.33
2018	175+31.48	29.00' RT	1027.21	466419.97	742150.76
2019	175+31.48	24.00' RT	1027.20	466423.55	742147.26
2020	175+34.53	29.00' RT	1027.43	466422.11	742152.94
2021	175+34.44	24.00' RT	1027.41	466425.62	742149.38
2022	175+39.44	29.00' RT	1027.50	466425.54	742156.45
2023	175+39.44	24.00' RT	1027.49	466429.12	742152.96
2024	175+46.44	29.00' RT	1027.92	466430.44	742161.46
2025	175+46.44	24.00' RT	1027.85	466434.01	742157.96

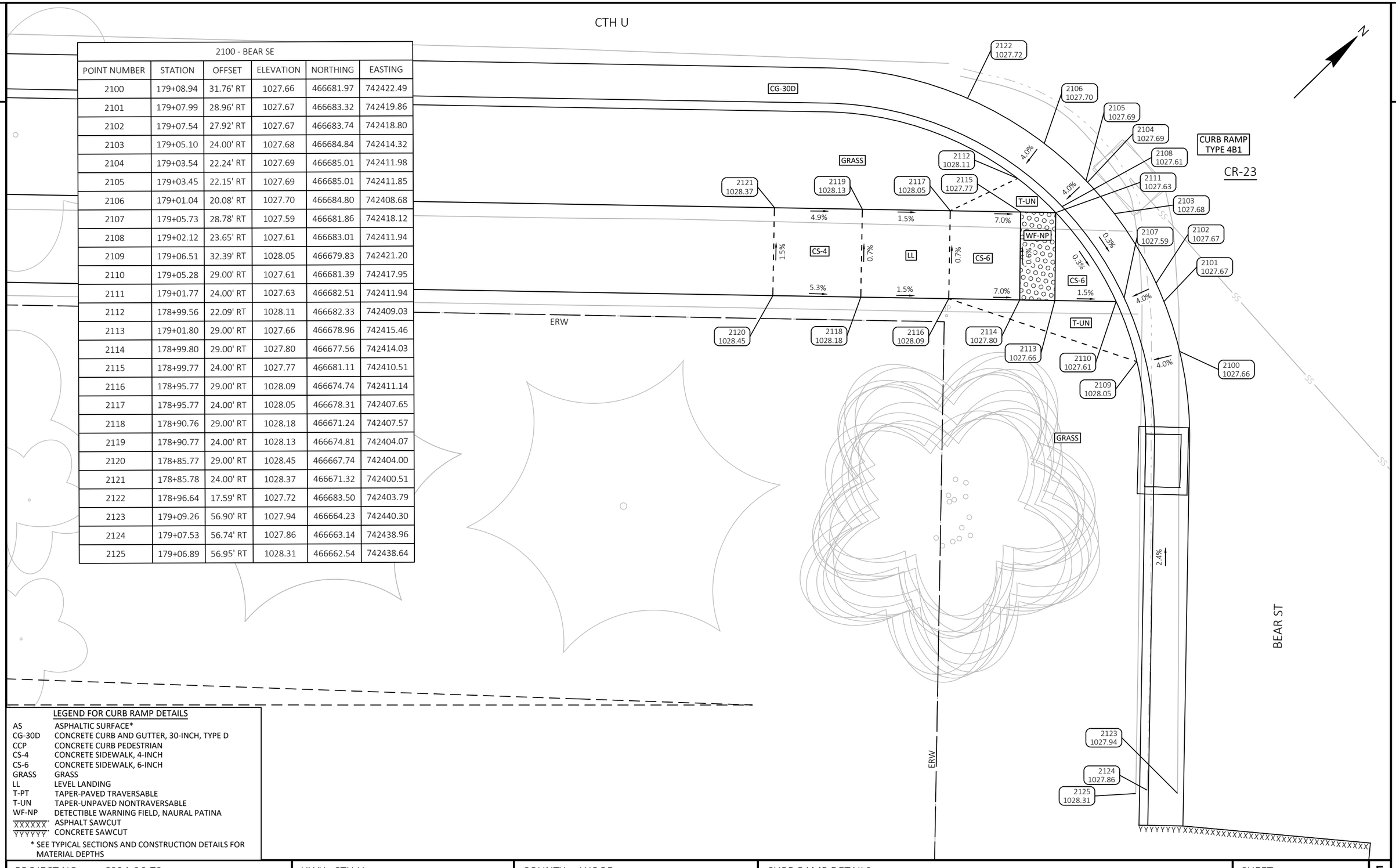
LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 41	E

2100 - BEAR SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2100	179+08.94	31.76' RT	1027.66	466681.97	742422.49
2101	179+07.99	28.96' RT	1027.67	466683.32	742419.86
2102	179+07.54	27.92' RT	1027.67	466683.74	742418.80
2103	179+05.10	24.00' RT	1027.68	466684.84	742414.32
2104	179+03.54	22.24' RT	1027.69	466685.01	742411.98
2105	179+03.45	22.15' RT	1027.69	466685.01	742411.85
2106	179+01.04	20.08' RT	1027.70	466684.80	742408.68
2107	179+05.73	28.78' RT	1027.59	466681.86	742418.12
2108	179+02.12	23.65' RT	1027.61	466683.01	742411.94
2109	179+06.51	32.39' RT	1028.05	466679.83	742421.20
2110	179+05.28	29.00' RT	1027.61	466681.39	742417.95
2111	179+01.77	24.00' RT	1027.63	466682.51	742411.94
2112	178+99.56	22.09' RT	1028.11	466682.33	742409.03
2113	179+01.80	29.00' RT	1027.66	466678.96	742415.46
2114	178+99.80	29.00' RT	1027.80	466677.56	742414.03
2115	178+99.77	24.00' RT	1027.77	466681.11	742410.51
2116	178+95.77	29.00' RT	1028.09	466674.74	742411.14
2117	178+95.77	24.00' RT	1028.05	466678.31	742407.65
2118	178+90.76	29.00' RT	1028.18	466671.24	742407.57
2119	178+90.77	24.00' RT	1028.13	466674.81	742404.07
2120	178+85.77	29.00' RT	1028.45	466667.74	742404.00
2121	178+85.78	24.00' RT	1028.37	466671.32	742400.51
2122	178+96.64	17.59' RT	1027.72	466683.50	742403.79
2123	179+09.26	56.90' RT	1027.94	466664.23	742440.30
2124	179+07.53	56.74' RT	1027.86	466663.14	742438.96
2125	179+06.89	56.95' RT	1028.31	466662.54	742438.64

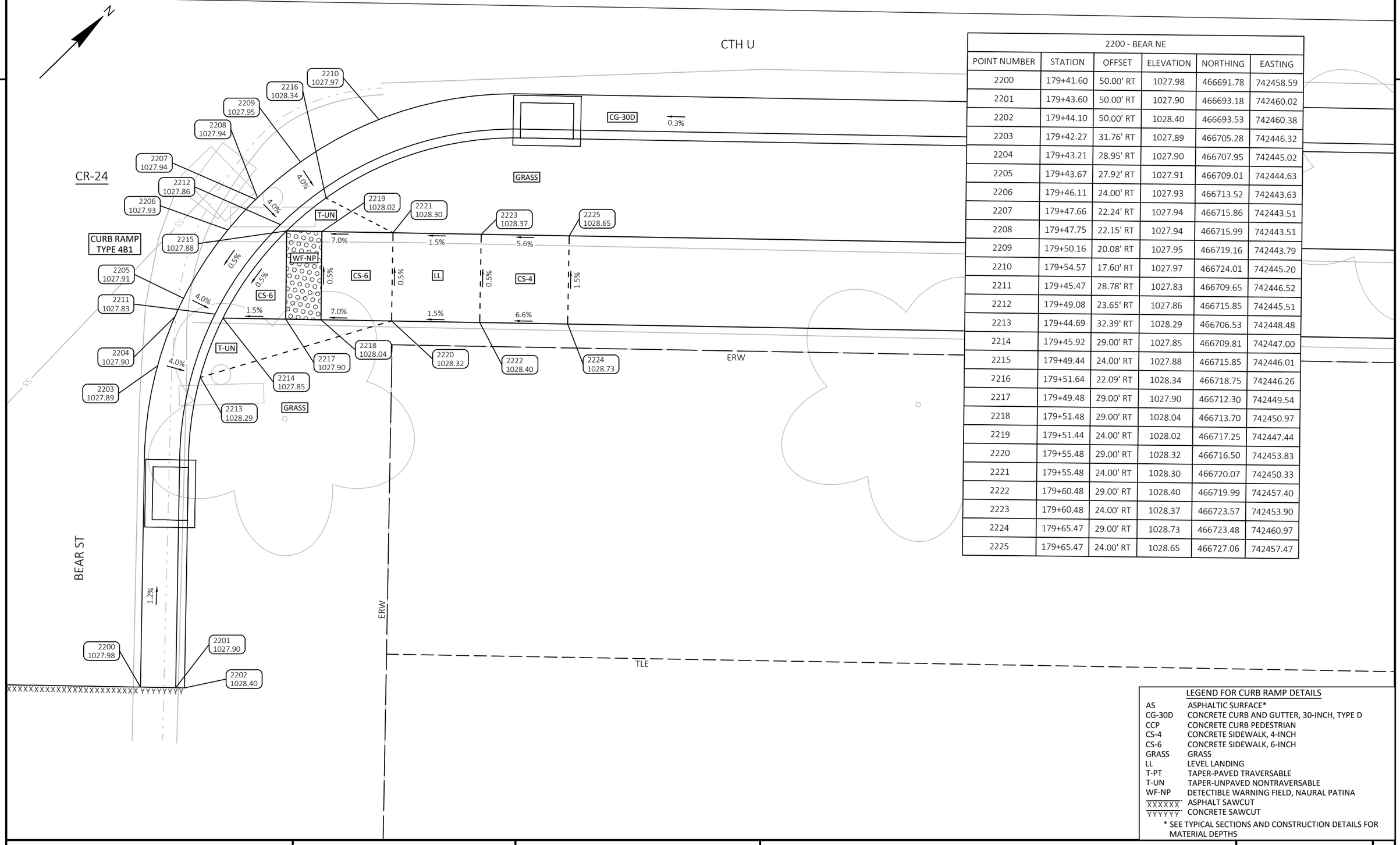


LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 42	E



2200 - BEAR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2200	179+41.60	50.00' RT	1027.98	466691.78	742458.59
2201	179+43.60	50.00' RT	1027.90	466693.18	742460.02
2202	179+44.10	50.00' RT	1028.40	466693.53	742460.38
2203	179+42.27	31.76' RT	1027.89	466705.28	742446.32
2204	179+43.21	28.95' RT	1027.90	466707.95	742445.02
2205	179+43.67	27.92' RT	1027.91	466709.01	742444.63
2206	179+46.11	24.00' RT	1027.93	466713.52	742443.63
2207	179+47.66	22.24' RT	1027.94	466715.86	742443.51
2208	179+47.75	22.15' RT	1027.94	466715.99	742443.51
2209	179+50.16	20.08' RT	1027.95	466719.16	742443.79
2210	179+54.57	17.60' RT	1027.97	466724.01	742445.20
2211	179+45.47	28.78' RT	1027.83	466709.65	742446.52
2212	179+49.08	23.65' RT	1027.86	466715.85	742445.51
2213	179+44.69	32.39' RT	1028.29	466706.53	742448.48
2214	179+45.92	29.00' RT	1027.85	466709.81	742447.00
2215	179+49.44	24.00' RT	1027.88	466715.85	742446.01
2216	179+51.64	22.09' RT	1028.34	466718.75	742446.26
2217	179+49.48	29.00' RT	1027.90	466712.30	742449.54
2218	179+51.48	29.00' RT	1028.04	466713.70	742450.97
2219	179+51.44	24.00' RT	1028.02	466717.25	742447.44
2220	179+55.48	29.00' RT	1028.32	466716.50	742453.83
2221	179+55.48	24.00' RT	1028.30	466720.07	742450.33
2222	179+60.48	29.00' RT	1028.40	466719.99	742457.40
2223	179+60.48	24.00' RT	1028.37	466723.57	742453.90
2224	179+65.47	29.00' RT	1028.73	466723.48	742460.97
2225	179+65.47	24.00' RT	1028.65	466727.06	742457.47

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

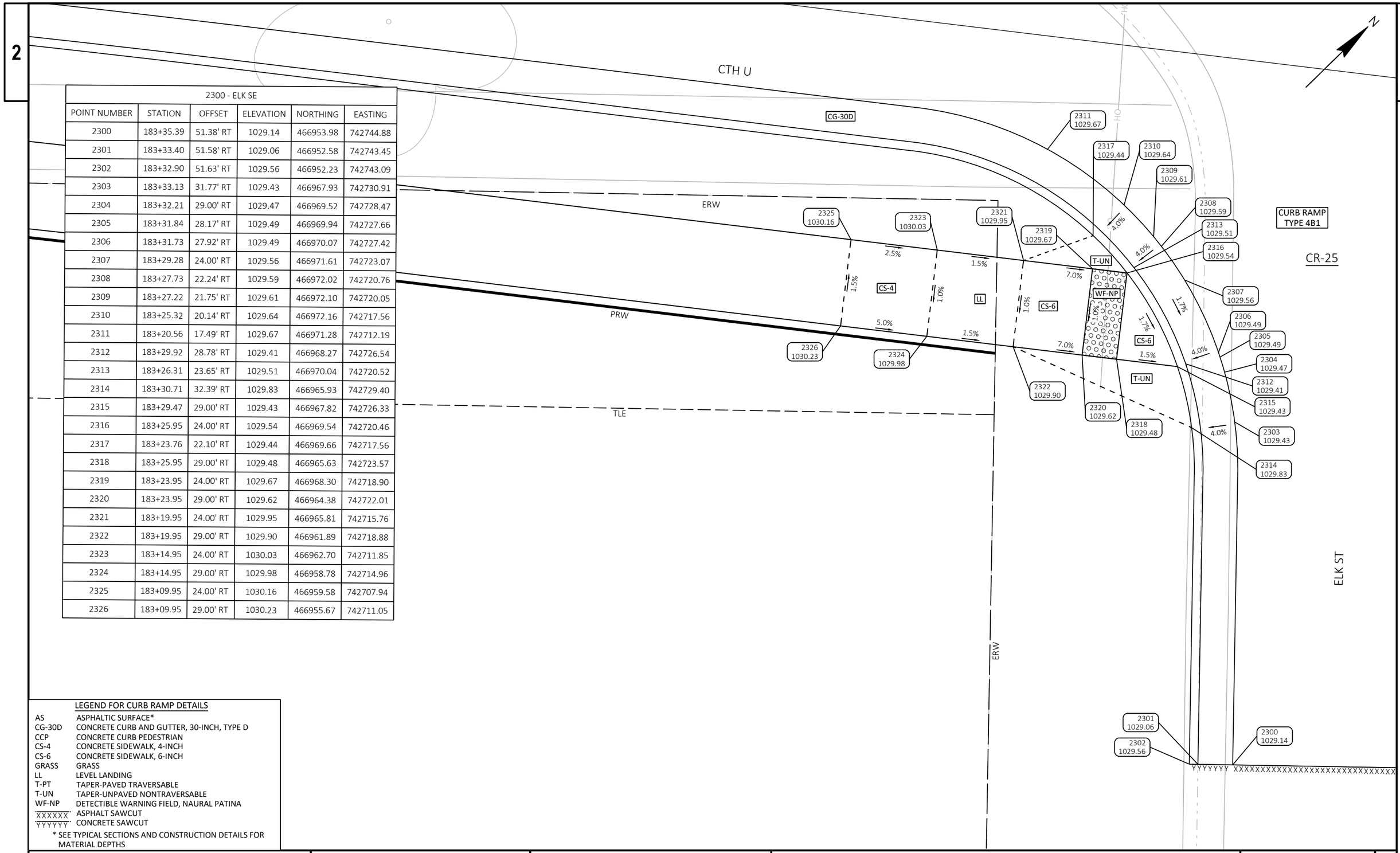
* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 43	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021323-cr

PLOT DATE : 10/9/2025 11:59 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:5 FT

2300 - ELK SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2300	183+35.39	51.38' RT	1029.14	466953.98	742744.88
2301	183+33.40	51.58' RT	1029.06	466952.58	742743.45
2302	183+32.90	51.63' RT	1029.56	466952.23	742743.09
2303	183+33.13	31.77' RT	1029.43	466967.93	742730.91
2304	183+32.21	29.00' RT	1029.47	466969.52	742728.47
2305	183+31.84	28.17' RT	1029.49	466969.94	742727.66
2306	183+31.73	27.92' RT	1029.49	466970.07	742727.42
2307	183+29.28	24.00' RT	1029.56	466971.61	742723.07
2308	183+27.73	22.24' RT	1029.59	466972.02	742720.76
2309	183+27.22	21.75' RT	1029.61	466972.10	742720.05
2310	183+25.32	20.14' RT	1029.64	466972.16	742717.56
2311	183+20.56	17.49' RT	1029.67	466971.28	742712.19
2312	183+29.92	28.78' RT	1029.41	466968.27	742726.54
2313	183+26.31	23.65' RT	1029.51	466970.04	742720.52
2314	183+30.71	32.39' RT	1029.83	466965.93	742729.40
2315	183+29.47	29.00' RT	1029.43	466967.82	742726.33
2316	183+25.95	24.00' RT	1029.54	466969.54	742720.46
2317	183+23.76	22.10' RT	1029.44	466969.66	742717.56
2318	183+25.95	29.00' RT	1029.48	466965.63	742723.57
2319	183+23.95	24.00' RT	1029.67	466968.30	742718.90
2320	183+23.95	29.00' RT	1029.62	466964.38	742722.01
2321	183+19.95	24.00' RT	1029.95	466965.81	742715.76
2322	183+19.95	29.00' RT	1029.90	466961.89	742718.88
2323	183+14.95	24.00' RT	1030.03	466962.70	742711.85
2324	183+14.95	29.00' RT	1029.98	466958.78	742714.96
2325	183+09.95	24.00' RT	1030.16	466959.58	742707.94
2326	183+09.95	29.00' RT	1030.23	466955.67	742711.05

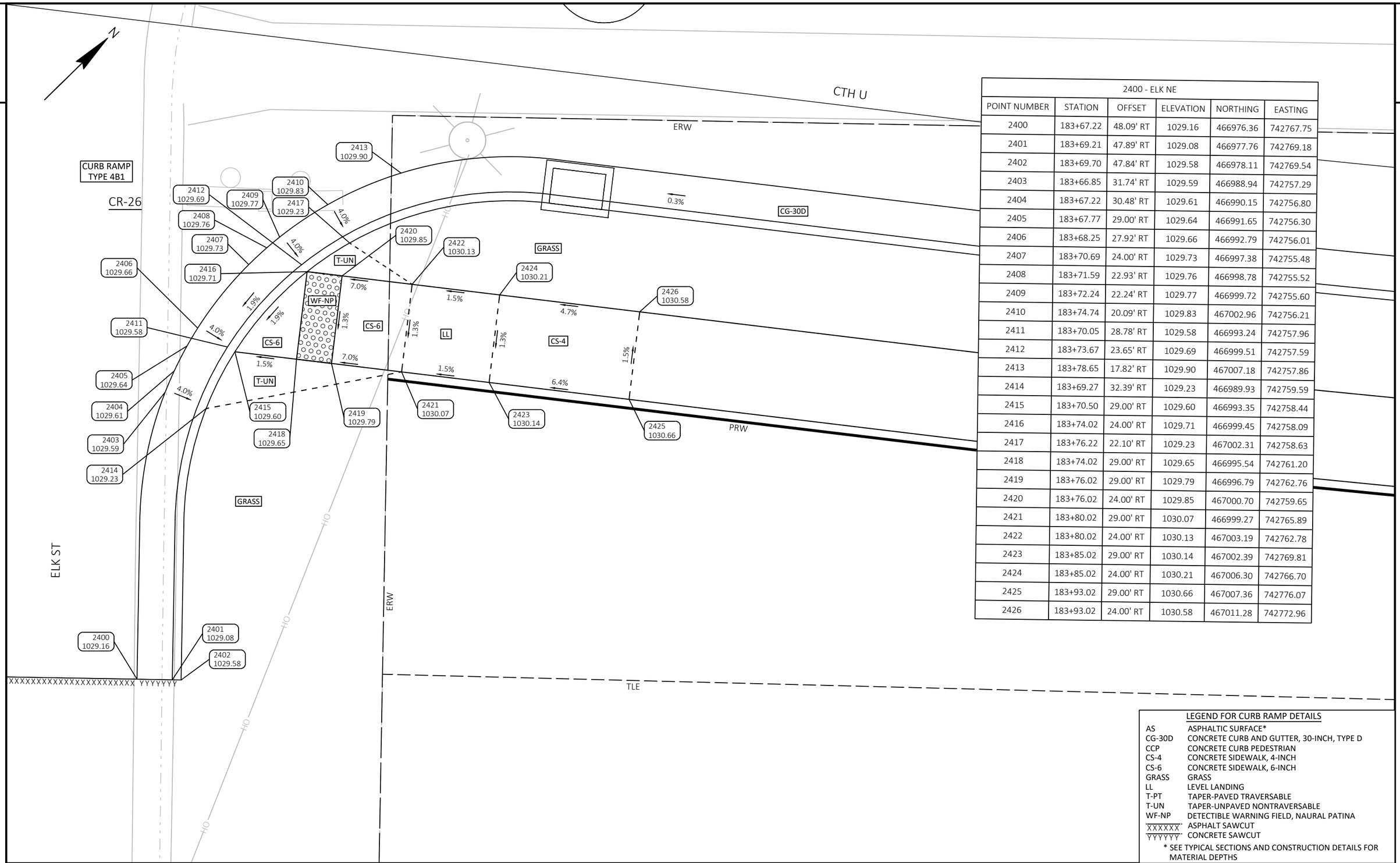


LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 44	E



2400 - ELK NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2400	183+67.22	48.09' RT	1029.16	466976.36	742767.75
2401	183+69.21	47.89' RT	1029.08	466977.76	742769.18
2402	183+69.70	47.84' RT	1029.58	466978.11	742769.54
2403	183+66.85	31.74' RT	1029.59	466988.94	742757.29
2404	183+67.22	30.48' RT	1029.61	466990.15	742756.80
2405	183+67.77	29.00' RT	1029.64	466991.65	742756.30
2406	183+68.25	27.92' RT	1029.66	466992.79	742756.01
2407	183+70.69	24.00' RT	1029.73	466997.38	742755.48
2408	183+71.59	22.93' RT	1029.76	466998.78	742755.52
2409	183+72.24	22.24' RT	1029.77	466999.72	742755.60
2410	183+74.74	20.09' RT	1029.83	467002.96	742756.21
2411	183+70.05	28.78' RT	1029.58	466993.24	742757.96
2412	183+73.67	23.65' RT	1029.69	466999.51	742757.59
2413	183+78.65	17.82' RT	1029.90	467007.18	742757.86
2414	183+69.27	32.39' RT	1029.23	466989.93	742759.59
2415	183+70.50	29.00' RT	1029.60	466993.35	742758.44
2416	183+74.02	24.00' RT	1029.71	466999.45	742758.09
2417	183+76.22	22.10' RT	1029.23	467002.31	742758.63
2418	183+74.02	29.00' RT	1029.65	466995.54	742761.20
2419	183+76.02	29.00' RT	1029.79	466996.79	742762.76
2420	183+76.02	24.00' RT	1029.85	467000.70	742759.65
2421	183+80.02	29.00' RT	1030.07	466999.27	742765.89
2422	183+80.02	24.00' RT	1030.13	467003.19	742762.78
2423	183+85.02	29.00' RT	1030.14	467002.39	742769.81
2424	183+85.02	24.00' RT	1030.21	467006.30	742766.70
2425	183+93.02	29.00' RT	1030.66	467007.36	742776.07
2426	183+93.02	24.00' RT	1030.58	467011.28	742772.96

LEGEND FOR CURB RAMP DETAILS

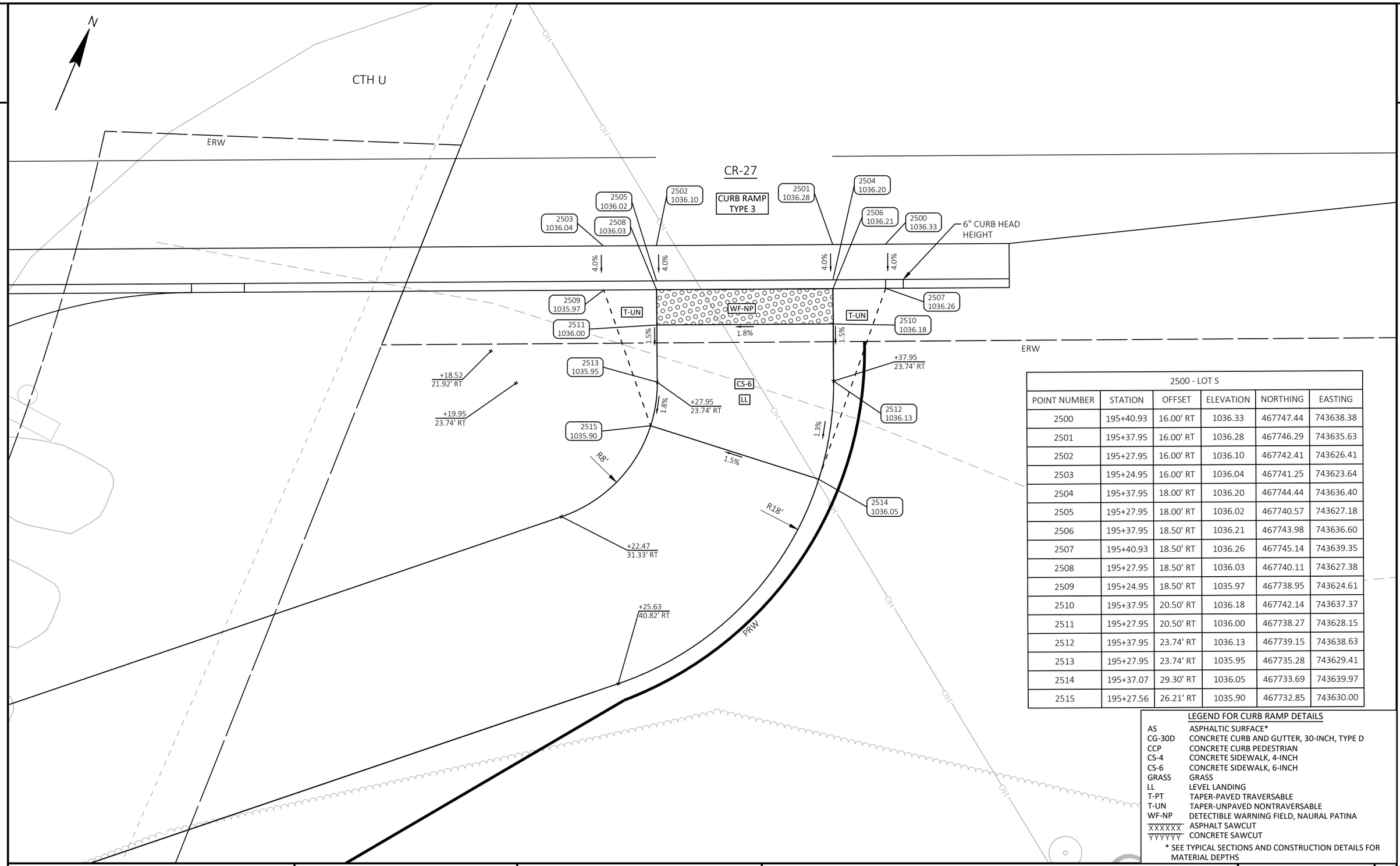
AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 45	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021325-cr
PLOT DATE : 10/9/2025 11:59 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2



2500 - LOT S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2500	195+40.93	16.00' RT	1036.33	467747.44	743638.38
2501	195+37.95	16.00' RT	1036.28	467746.29	743635.63
2502	195+27.95	16.00' RT	1036.10	467742.41	743626.41
2503	195+24.95	16.00' RT	1036.04	467741.25	743623.64
2504	195+37.95	18.00' RT	1036.20	467744.44	743636.40
2505	195+27.95	18.00' RT	1036.02	467740.57	743627.18
2506	195+37.95	18.50' RT	1036.21	467743.98	743636.60
2507	195+40.93	18.50' RT	1036.26	467745.14	743639.35
2508	195+27.95	18.50' RT	1036.03	467740.11	743627.38
2509	195+24.95	18.50' RT	1035.97	467738.95	743624.61
2510	195+37.95	20.50' RT	1036.18	467742.14	743637.37
2511	195+27.95	20.50' RT	1036.00	467738.27	743628.15
2512	195+37.95	23.74' RT	1036.13	467739.15	743638.63
2513	195+27.95	23.74' RT	1035.95	467735.28	743629.41
2514	195+37.07	29.30' RT	1036.05	467733.69	743639.97
2515	195+27.56	26.21' RT	1035.90	467732.85	743630.00

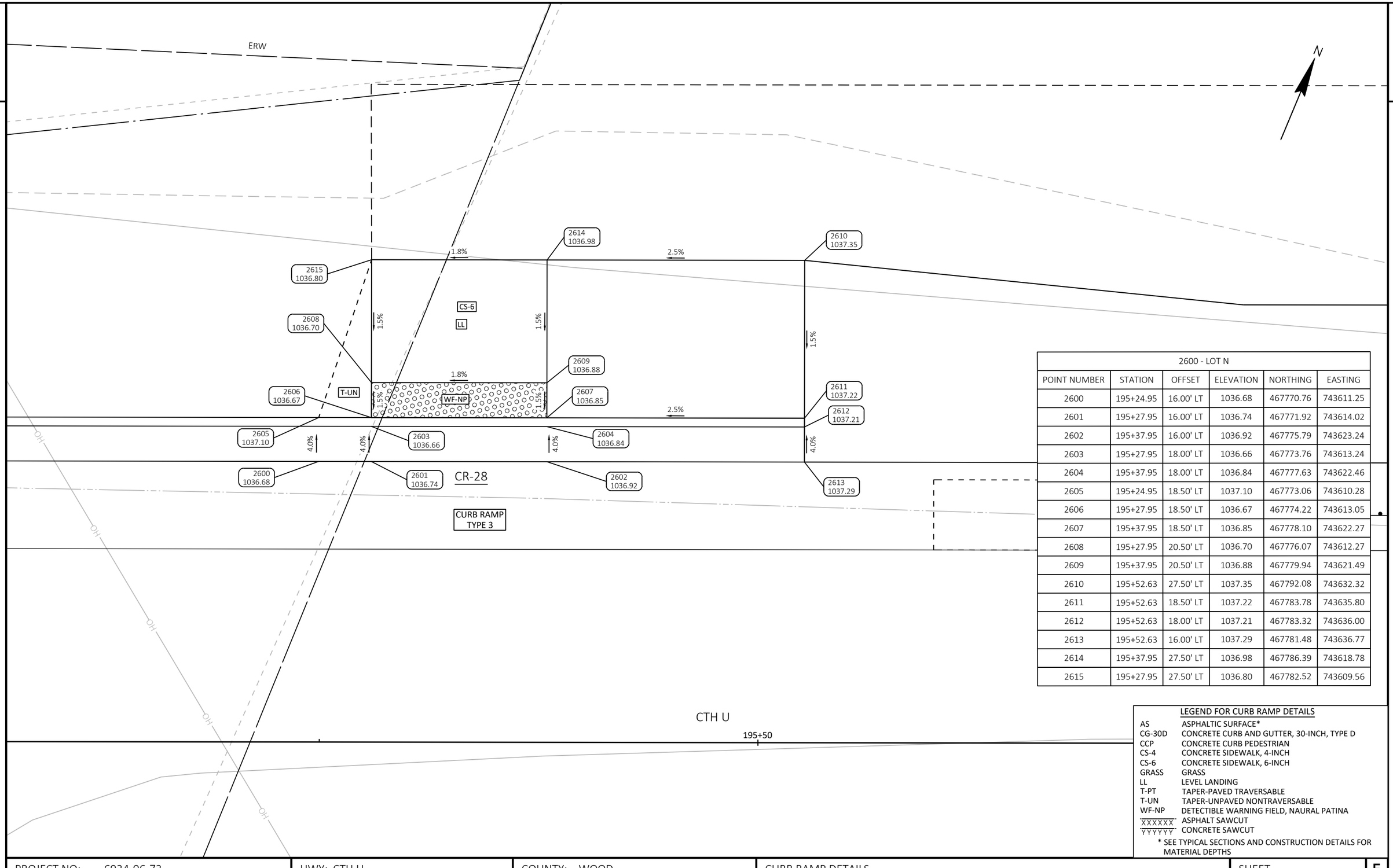
LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 46	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021326-cr
PLOT DATE : 10/9/2025 12:00 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



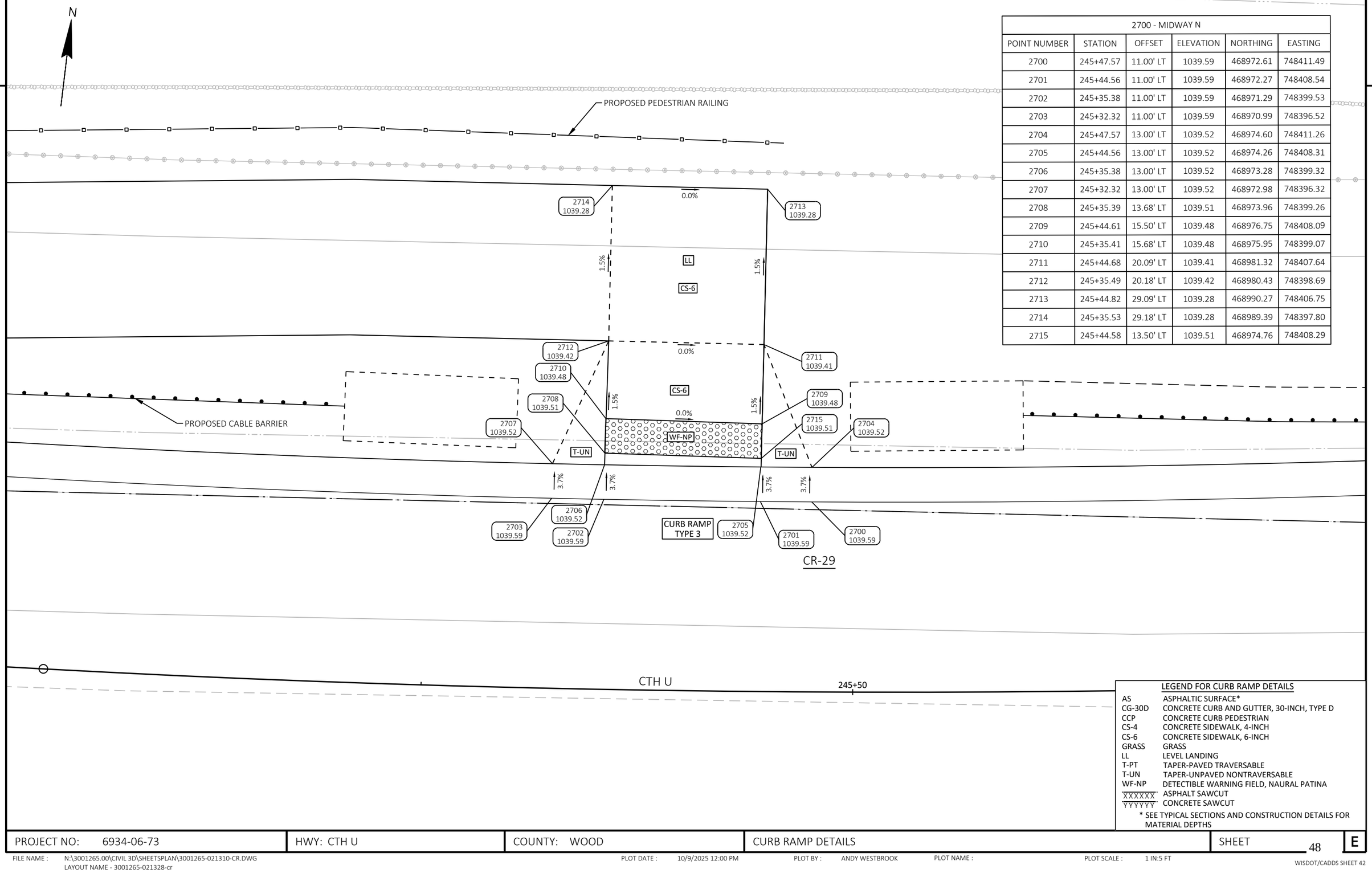
2600 - LOT N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2600	195+24.95	16.00' LT	1036.68	467770.76	743611.25
2601	195+27.95	16.00' LT	1036.74	467771.92	743614.02
2602	195+37.95	16.00' LT	1036.92	467775.79	743623.24
2603	195+27.95	18.00' LT	1036.66	467773.76	743613.24
2604	195+37.95	18.00' LT	1036.84	467777.63	743622.46
2605	195+24.95	18.50' LT	1037.10	467773.06	743610.28
2606	195+27.95	18.50' LT	1036.67	467774.22	743613.05
2607	195+37.95	18.50' LT	1036.85	467778.10	743622.27
2608	195+27.95	20.50' LT	1036.70	467776.07	743612.27
2609	195+37.95	20.50' LT	1036.88	467779.94	743621.49
2610	195+52.63	27.50' LT	1037.35	467792.08	743632.32
2611	195+52.63	18.50' LT	1037.22	467783.78	743635.80
2612	195+52.63	18.00' LT	1037.21	467783.32	743636.00
2613	195+52.63	16.00' LT	1037.29	467781.48	743636.77
2614	195+37.95	27.50' LT	1036.98	467786.39	743618.78
2615	195+27.95	27.50' LT	1036.80	467782.52	743609.56

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 47	E



2700 - MIDWAY N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2700	245+47.57	11.00' LT	1039.59	468972.61	748411.49
2701	245+44.56	11.00' LT	1039.59	468972.27	748408.54
2702	245+35.38	11.00' LT	1039.59	468971.29	748399.53
2703	245+32.32	11.00' LT	1039.59	468970.99	748396.52
2704	245+47.57	13.00' LT	1039.52	468974.60	748411.26
2705	245+44.56	13.00' LT	1039.52	468974.26	748408.31
2706	245+35.38	13.00' LT	1039.52	468973.28	748399.32
2707	245+32.32	13.00' LT	1039.52	468972.98	748396.32
2708	245+35.39	13.68' LT	1039.51	468973.96	748399.26
2709	245+44.61	15.50' LT	1039.48	468976.75	748408.09
2710	245+35.41	15.68' LT	1039.48	468975.95	748399.07
2711	245+44.68	20.09' LT	1039.41	468981.32	748407.64
2712	245+35.49	20.18' LT	1039.42	468980.43	748398.69
2713	245+44.82	29.09' LT	1039.28	468990.27	748406.75
2714	245+35.53	29.18' LT	1039.28	468989.39	748397.80
2715	245+44.58	13.50' LT	1039.51	468974.76	748408.29

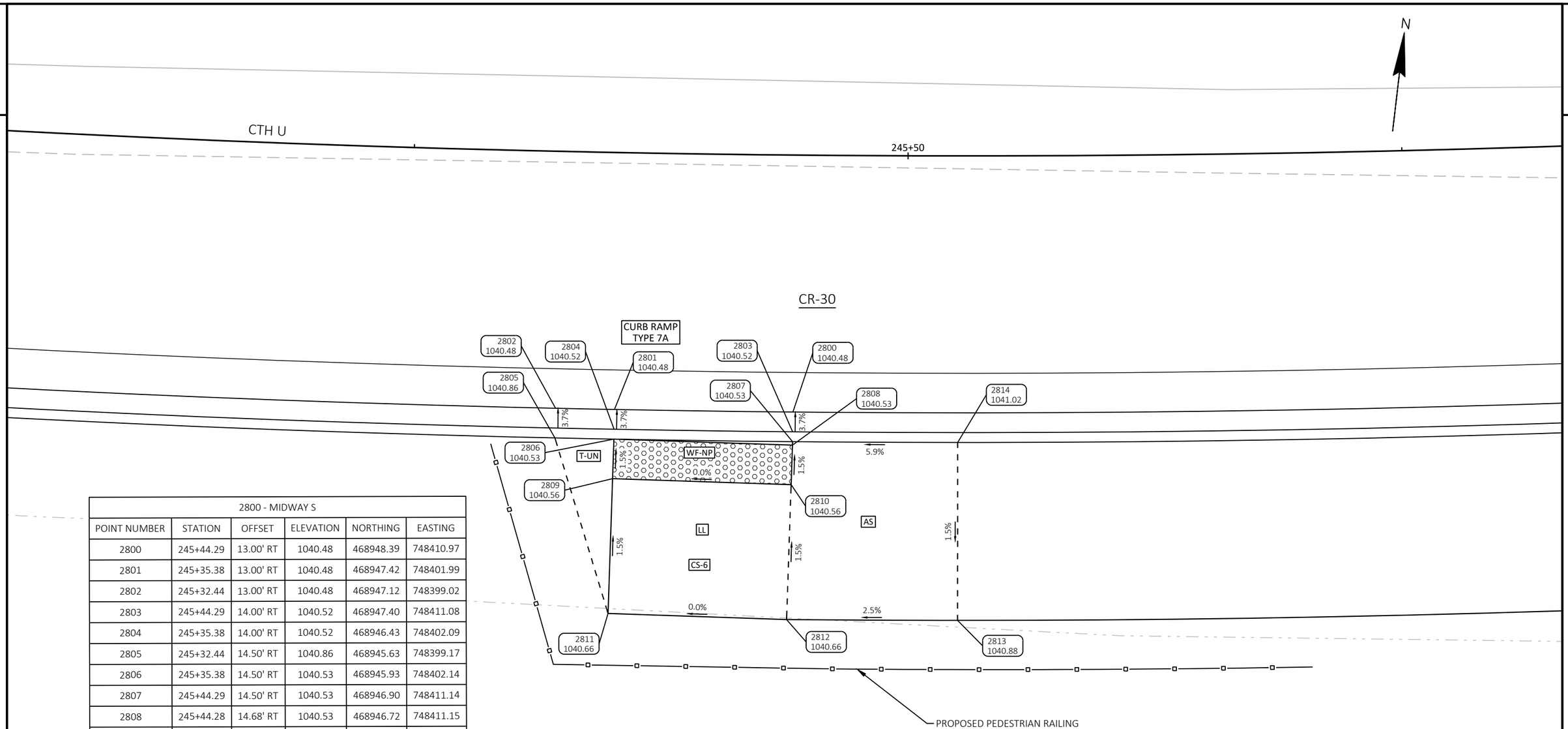
LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 48	E

2



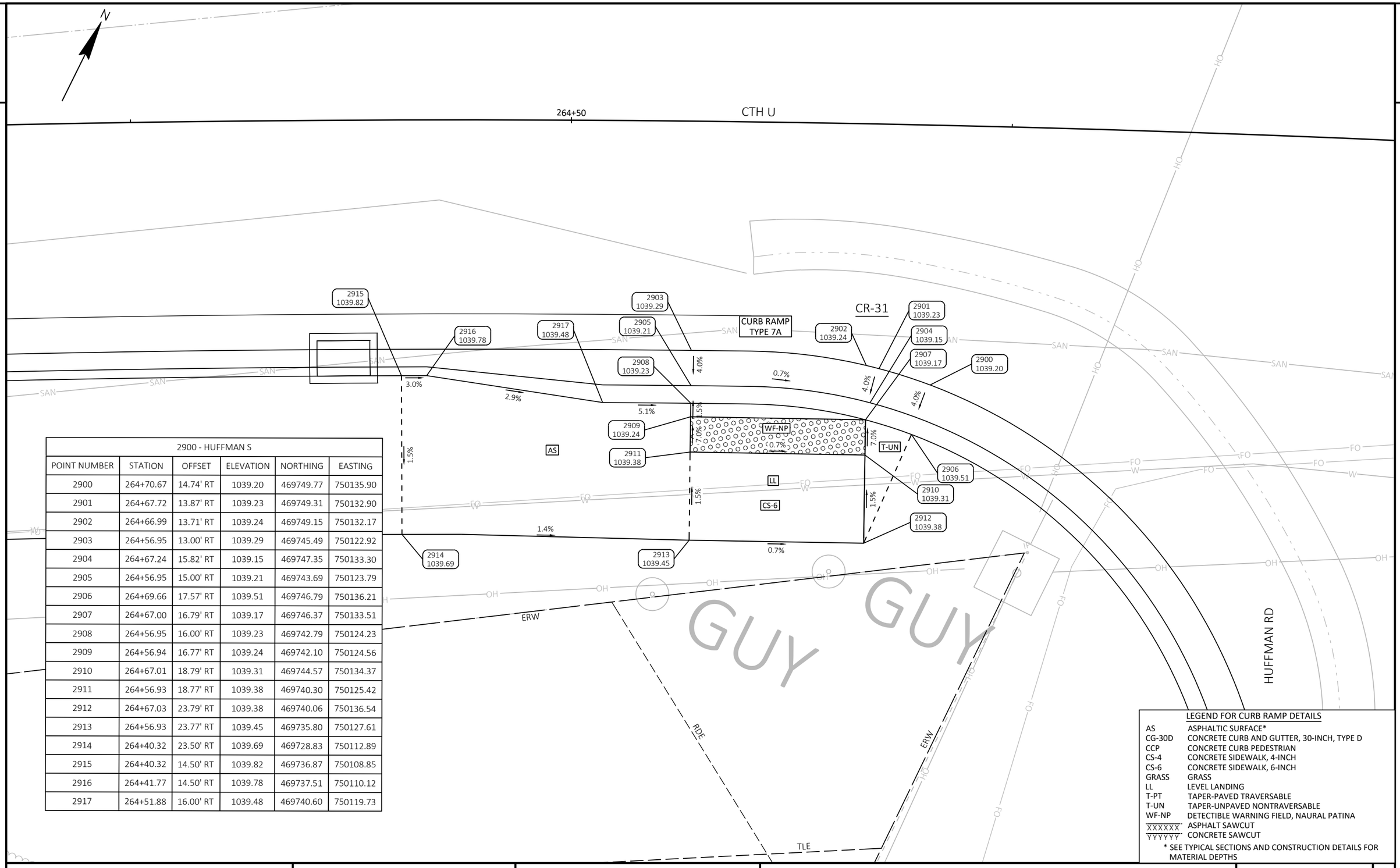
2800 - MIDWAY S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2800	245+44.29	13.00' RT	1040.48	468948.39	748410.97
2801	245+35.38	13.00' RT	1040.48	468947.42	748401.99
2802	245+32.44	13.00' RT	1040.48	468947.12	748399.02
2803	245+44.29	14.00' RT	1040.52	468947.40	748411.08
2804	245+35.38	14.00' RT	1040.52	468946.43	748402.09
2805	245+32.44	14.50' RT	1040.86	468945.63	748399.17
2806	245+35.38	14.50' RT	1040.53	468945.93	748402.14
2807	245+44.29	14.50' RT	1040.53	468946.90	748411.14
2808	245+44.28	14.68' RT	1040.53	468946.72	748411.15
2809	245+35.35	16.50' RT	1040.56	468943.94	748402.32
2810	245+44.23	16.68' RT	1040.56	468944.73	748411.33
2811	245+35.25	23.33' RT	1040.66	468937.14	748402.92
2812	245+44.07	23.50' RT	1040.66	468937.93	748411.93
2813	245+52.51	23.50' RT	1040.88	468938.94	748420.53
2814	245+52.51	14.50' RT	1041.02	468947.88	748419.44

LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 49	E



2900 - HUFFMAN S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2900	264+70.67	14.74' RT	1039.20	469749.77	750135.90
2901	264+67.72	13.87' RT	1039.23	469749.31	750132.90
2902	264+66.99	13.71' RT	1039.24	469749.15	750132.17
2903	264+56.95	13.00' RT	1039.29	469745.49	750122.92
2904	264+67.24	15.82' RT	1039.15	469747.35	750133.30
2905	264+56.95	15.00' RT	1039.21	469743.69	750123.79
2906	264+69.66	17.57' RT	1039.51	469746.79	750136.21
2907	264+67.00	16.79' RT	1039.17	469746.37	750133.51
2908	264+56.95	16.00' RT	1039.23	469742.79	750124.23
2909	264+56.94	16.77' RT	1039.24	469742.10	750124.56
2910	264+67.01	18.79' RT	1039.31	469744.57	750134.37
2911	264+56.93	18.77' RT	1039.38	469740.30	750125.42
2912	264+67.03	23.79' RT	1039.38	469740.06	750136.54
2913	264+56.93	23.77' RT	1039.45	469735.80	750127.61
2914	264+40.32	23.50' RT	1039.69	469728.83	750112.89
2915	264+40.32	14.50' RT	1039.82	469736.87	750108.85
2916	264+41.77	14.50' RT	1039.78	469737.51	750110.12
2917	264+51.88	16.00' RT	1039.48	469740.60	750119.73

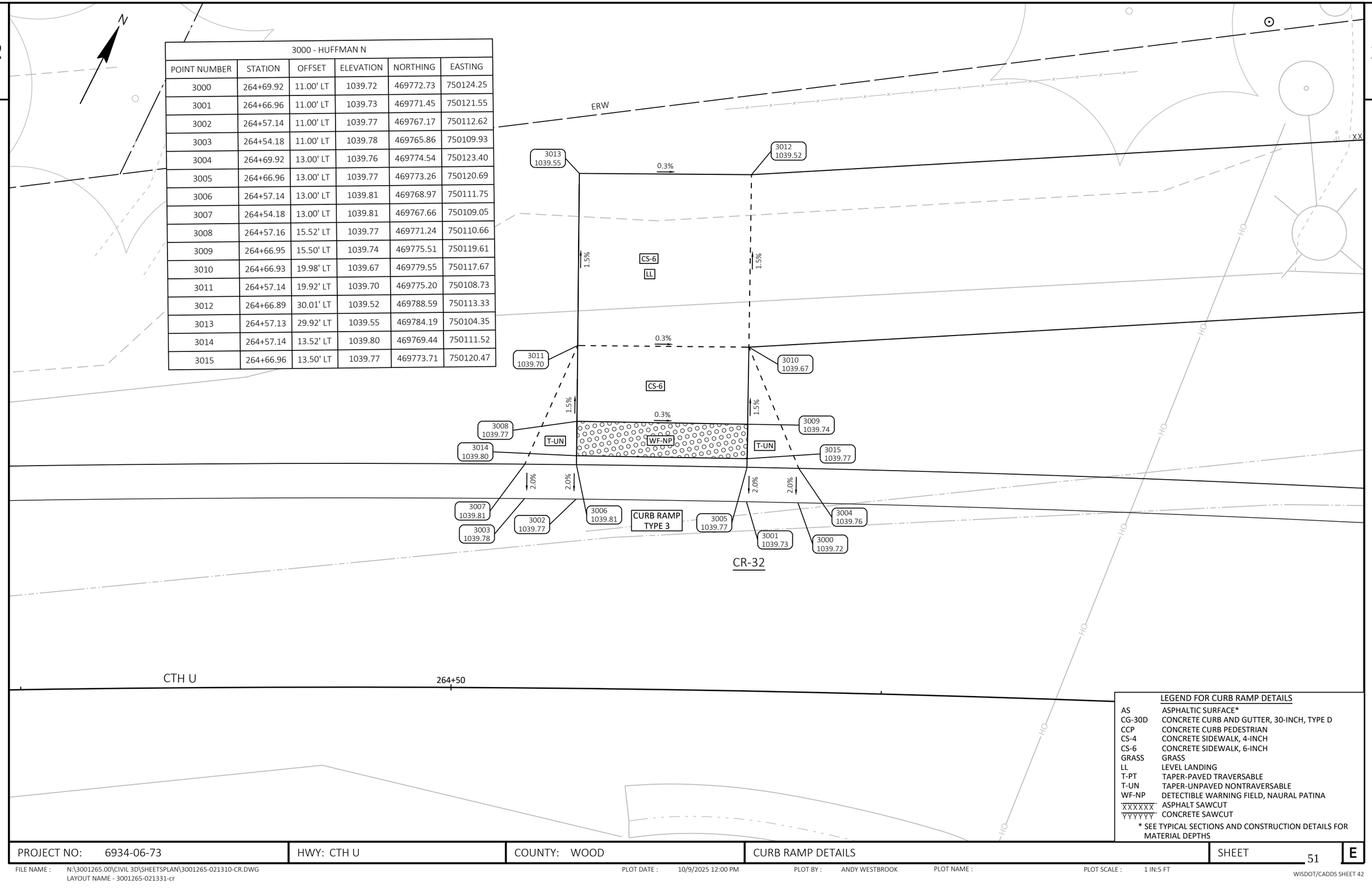
LEGEND FOR CURB RAMP DETAILS

AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 50	E

3000 - HUFFMAN N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3000	264+69.92	11.00' LT	1039.72	469772.73	750124.25
3001	264+66.96	11.00' LT	1039.73	469771.45	750121.55
3002	264+57.14	11.00' LT	1039.77	469767.17	750112.62
3003	264+54.18	11.00' LT	1039.78	469765.86	750109.93
3004	264+69.92	13.00' LT	1039.76	469774.54	750123.40
3005	264+66.96	13.00' LT	1039.77	469773.26	750120.69
3006	264+57.14	13.00' LT	1039.81	469768.97	750111.75
3007	264+54.18	13.00' LT	1039.81	469767.66	750109.05
3008	264+57.16	15.52' LT	1039.77	469771.24	750110.66
3009	264+66.95	15.50' LT	1039.74	469775.51	750119.61
3010	264+66.93	19.98' LT	1039.67	469779.55	750117.67
3011	264+57.14	19.92' LT	1039.70	469775.20	750108.73
3012	264+66.89	30.01' LT	1039.52	469788.59	750113.33
3013	264+57.13	29.92' LT	1039.55	469784.19	750104.35
3014	264+57.14	13.52' LT	1039.80	469769.44	750111.52
3015	264+66.96	13.50' LT	1039.77	469773.71	750120.47



LEGEND FOR CURB RAMP DETAILS	
AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 51	E

3100 - FOX W					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3100	189+38.11	107.65' RT	1029.81	467326.03	743229.48
3101	189+36.80	110.35' RT	1029.70	467323.17	743230.41
3102	189+33.36	114.21' RT	1029.63	467318.01	743230.60
3103	189+30.66	115.52' RT	1029.62	467315.19	743229.56
3104	189+35.22	109.54' RT	1029.73	467322.66	743228.70
3105	189+32.92	113.98' RT	1029.64	467317.87	743230.12
3106	189+33.44	108.62' RT	1029.76	467322.09	743226.78
3107	189+31.14	113.06' RT	1029.67	467317.30	743228.21
3108	189+29.89	106.78' RT	1029.85	467320.95	743222.95
3109	189+27.59	111.22' RT	1029.77	467316.16	743224.37

3200 - FOX E					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3200	189+62.13	120.35' RT	1029.91	467333.55	743255.58
3201	189+62.10	123.34' RT	1029.90	467331.37	743257.64
3202	189+62.05	128.78' RT	1029.84	467327.42	743261.37
3203	189+62.07	131.81' RT	1029.82	467325.25	743263.49
3204	189+64.51	124.39' RT	1029.86	467332.28	743260.10
3205	189+62.51	128.98' RT	1029.83	467327.59	743261.84
3206	189+66.34	125.20' RT	1029.83	467332.98	743261.98
3207	189+64.34	129.78' RT	1029.80	467328.29	743263.71
3208	189+70.09	126.61' RT	1029.76	467334.55	743265.66
3209	189+68.42	131.33' RT	1029.69	467330.00	743267.72

FOX ST

ERW

CR-33

CR-34

CURB RAMP TYPE 4B1

CURB RAMP TYPE 4B1

CS-4 CS-6 WF-NP T-UN T-PT

LEGEND FOR CURB RAMP DETAILS	
AS	ASPHALTIC SURFACE*
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CCP	CONCRETE CURB PEDESTRIAN
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
GRASS	GRASS
LL	LEVEL LANDING
T-PT	TAPER-PAVED TRAVERSABLE
T-UN	TAPER-UNPAVED NONTRAVERSABLE
WF-NP	DETECTIBLE WARNING FIELD, NAURAL PATINA
XXXXXX	ASPHALT SAWCUT
YYYYYY	CONCRETE SAWCUT

* SEE TYPICAL SECTIONS AND CONSTRUCTION DETAILS FOR MATERIAL DEPTHS

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CURB RAMP DETAILS	SHEET 52	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-021310-CR.DWG
LAYOUT NAME - 3001265-021332-cr

PLOT DATE : 10/13/2025 7:47 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

S BIRON DR

ERW

SLOPE INTERCEPT, TYP

TLE

N

150+00

151+00

152+00

CTH U

BEGIN PROJECT
STA 150+29.78
Y=464,188.323
X=741,378.061

PRW

TLE

MATCH LINE STA 153+00

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

MATCH LINE STA 153+00

TLE

A/D

154+00

155+00

156+00

157+00

158+00

CTH U

PRW

ERW

A/C

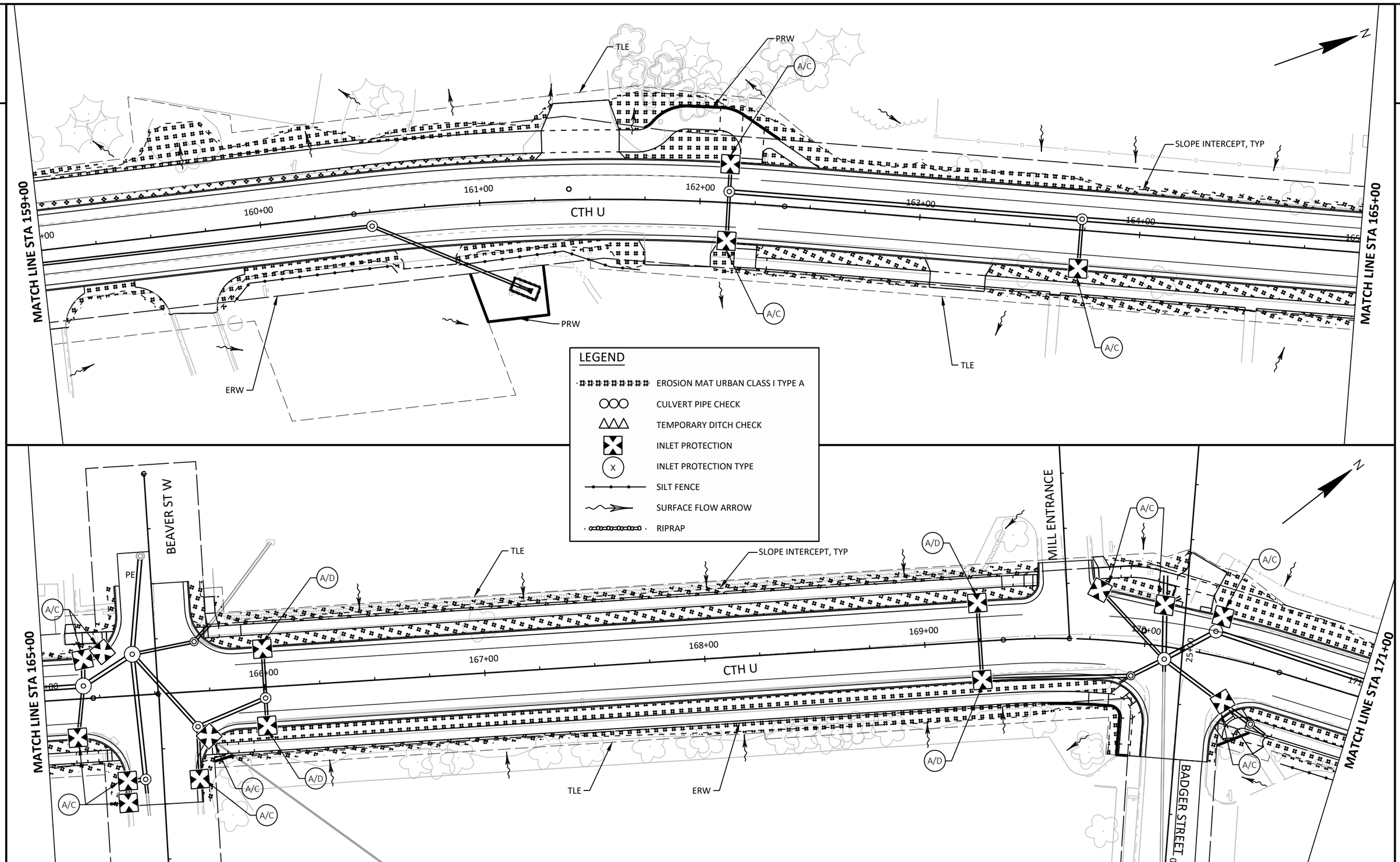
TLE

N

MATCH LINE STA 159+00

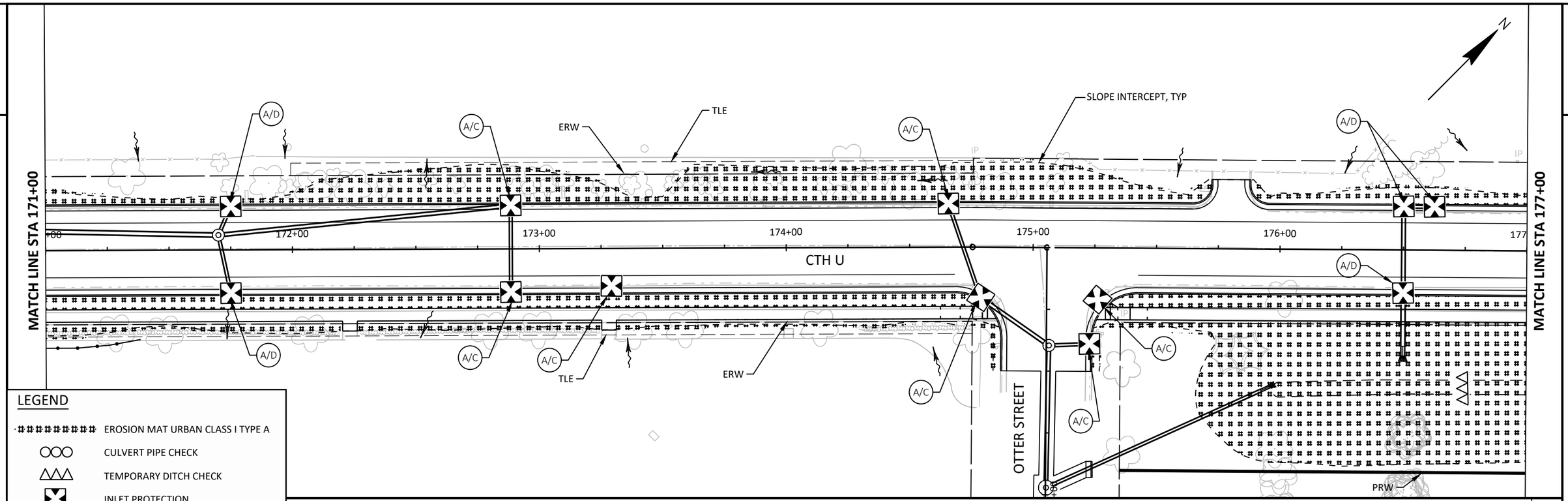
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 53	E

2



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 54	E

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 55	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022001-EC.DWG
LAYOUT NAME - 3001265-022003-ec
PLOT DATE : 12/1/2025 1:39 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 183+00

MATCH LINE STA 189+00

MATCH LINE STA 189+00

MATCH LINE STA 195+00

CTH U

CTH U

ELK ST

FOX STREET

SHORT ST

+00

184+00

185+00

186+00

187+00

188+00

189

190+00

191+00

192+00

193+00

194+00

195

A/C

A/D

A

ERW

SLOPE INTERCEPT, TYP

TLE

PRW

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 56	E

2

WISCONSIN RIVER

EXIST TOP OF RIPRAP, TYP

ERW

EXIST TOP OF RIPRAP

MATCH LINE STA 195+00

+00 196+00 197+00 CTH U 198+00 199+00 200+00 201

ERW

SLOPE INTERCEPT, TYP

TLE

PRW

PROP RIPRAP, TYP

WETLAND BOUNDARY, TYP

MATCH LINE STA 201+00

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

WISCONSIN RIVER

ERW

MATCH LINE STA 201+00

+00 202+00 203+00 CTH U 204+00 205+00 206+00 207

SLOPE INTERCEPT, TYP

PRW

ERW

MATCH LINE STA 207+00

2

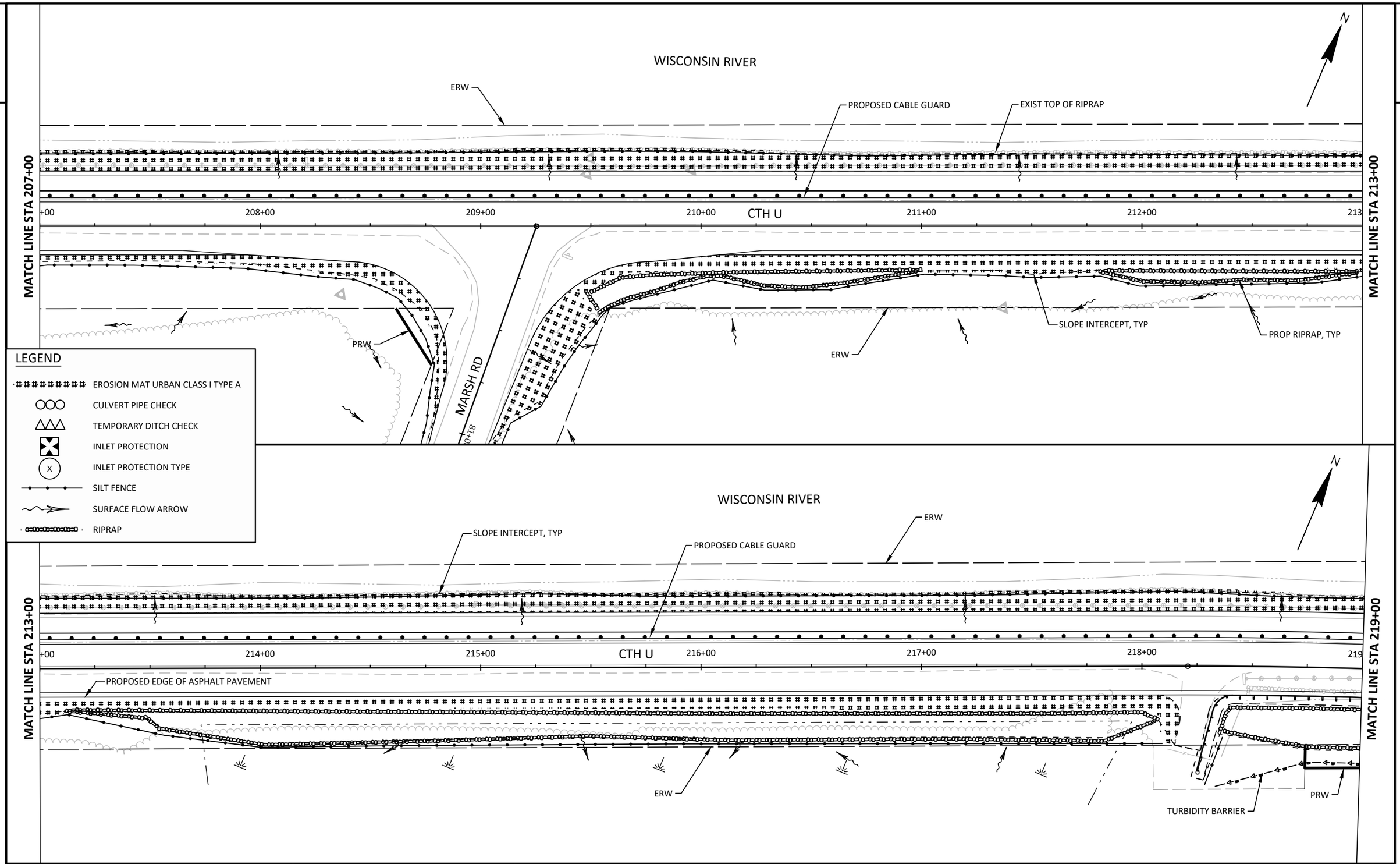
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 57	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022001-EC.DWG
LAYOUT NAME - 3001265-022005-ec

PLOT DATE : 10/13/2025 12:38 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 58	E

WISCONSIN RIVER

N

ERW

SLOPE INTERCEPT, TYP

PROPOSED CABLE GUARD

EXIST TOP OF RIPRAP

MATCH LINE STA 219+00

220+00

221+00

222+00

CTH U

223+00

224+00

225

MATCH LINE STA 225+00

PRW

TURBIDITY BARRIER

PROP RIPRAP, TYP

TLE

ERW

WETLAND BOUNDARY, TYP

WATER SUPPLY CHANNEL

POND

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

WISCONSIN RIVER

N

SLOPE INTERCEPT, TYP

ERW

PROPOSED CABLE GUARD

MATCH LINE STA 225+00

226+00

227+00

CTH U

228+00

229+00

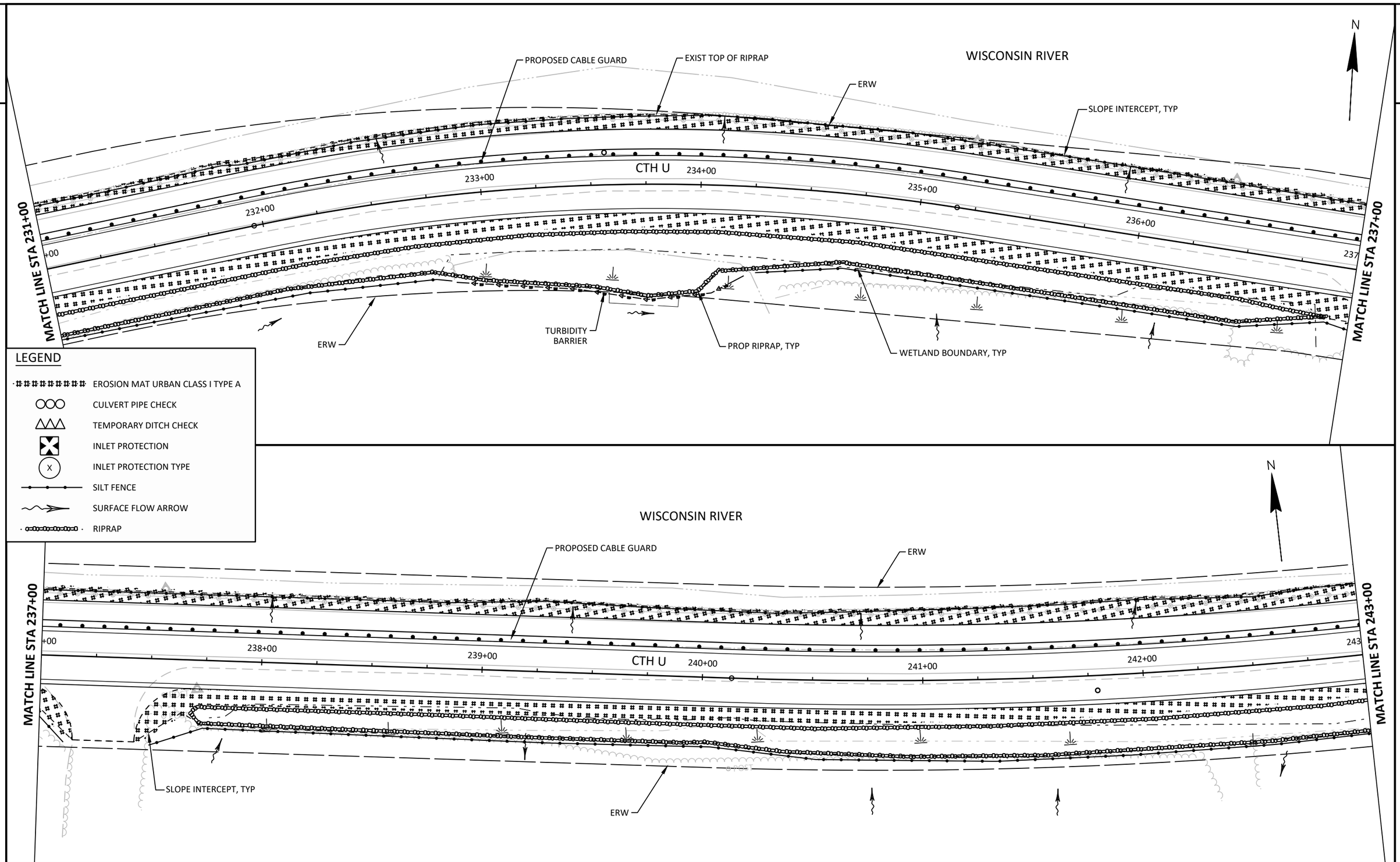
230+00

231

MATCH LINE STA 231+00

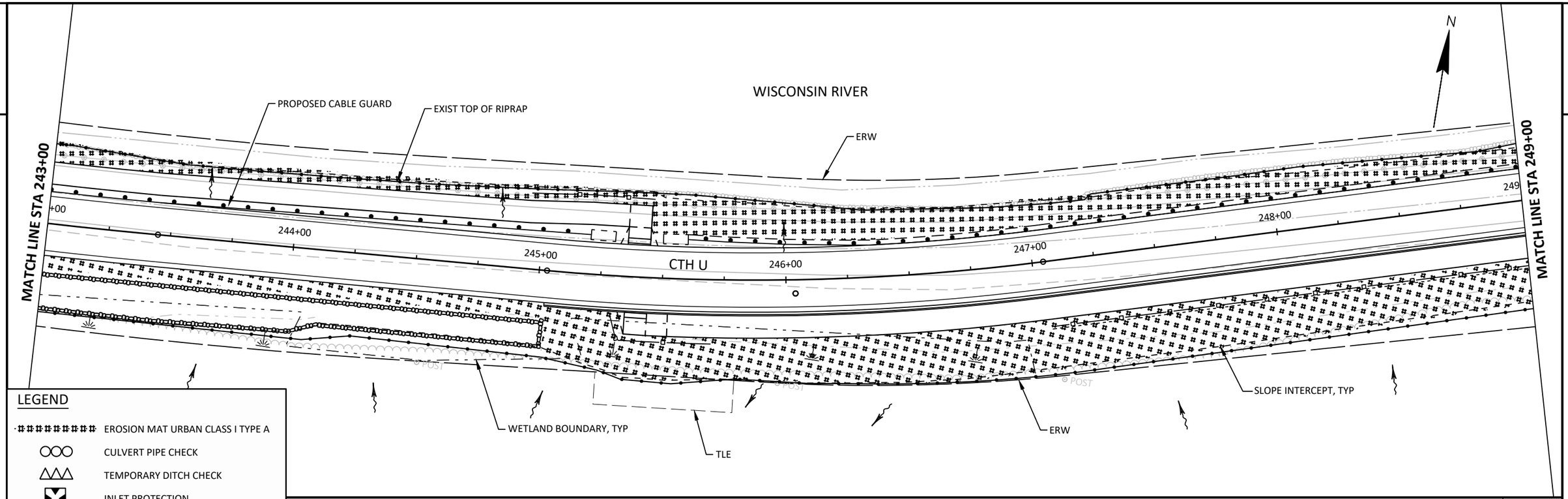
ERW

EXIST RIPRAP, TYP



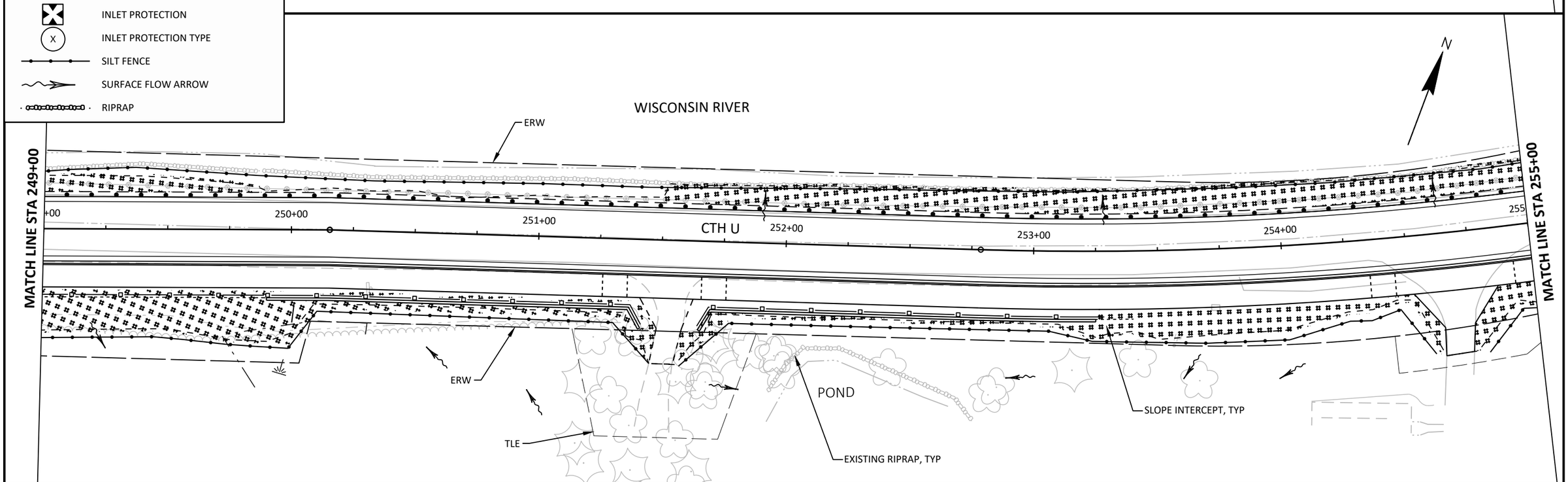
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 60	E

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP



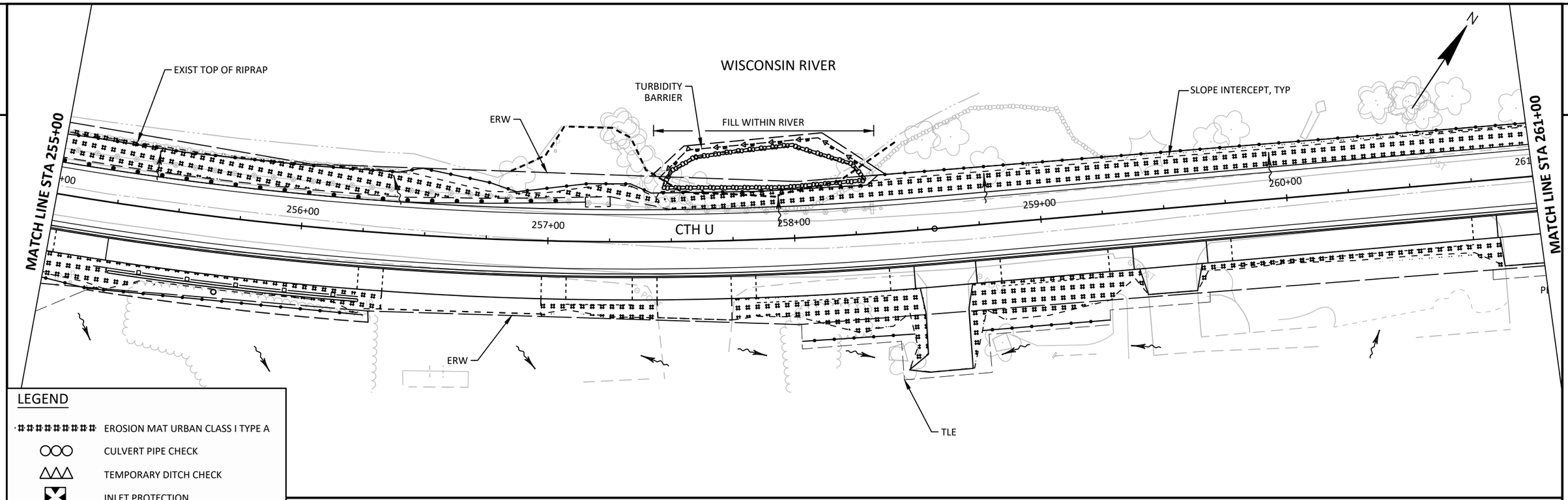
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 61	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022001-EC.DWG
LAYOUT NAME - 3001265-022009-ec

PLOT DATE : 10/13/2025 12:38 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

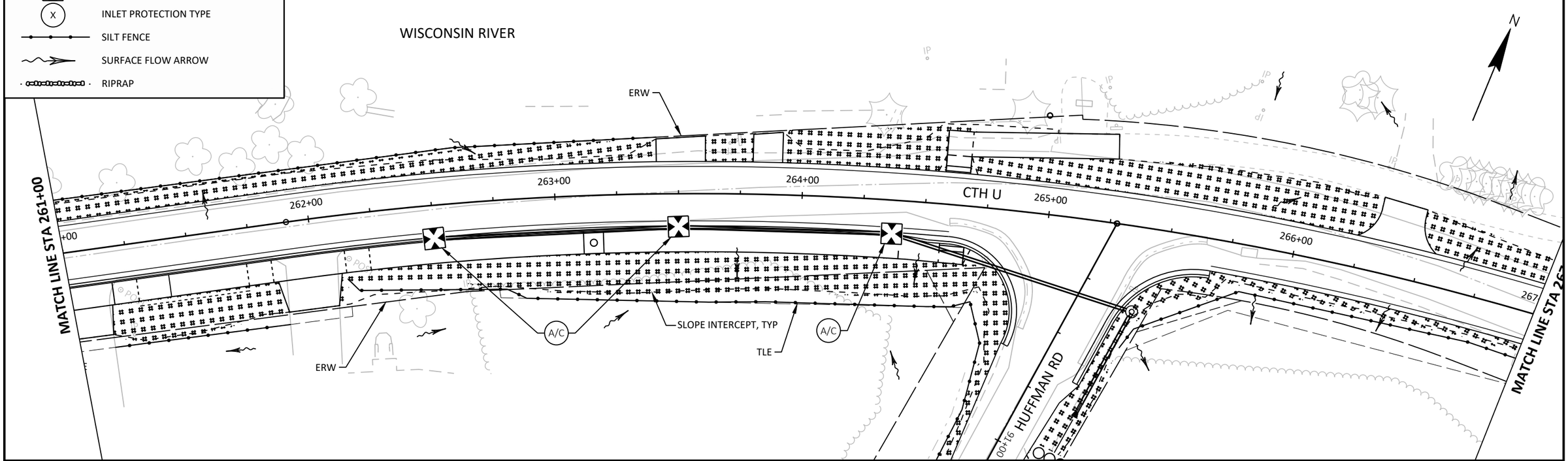
2



2

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 62	E

2

N

MATCH LINE STA 267+00

ERW

268+00

CTH U

END PROJECT
STA 268+30.22

SLOPE INTERCEPT, TYP

ERW

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

N

A/C

ERW

CTH U

265+00

91+00

HUFFMAN RD

ERW

TLE

266+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 63	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022001-EC.DWG
LAYOUT NAME - 3001265-022011-ec

PLOT DATE : 10/13/2025 12:38 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

2

2

61+00

62+00

FOX STREET

ERW

PRW

PRW

ERW

PRW

TLE

ERW

SHORT ST

195+0

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- (X) INLET PROTECTION TYPE
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

N

171+00

170+00

BP: 20+00.00

MILL ENTRANCE

20+00

BADGER STREET

26+00

27+00

28+00

BADGER STREET

29+00

30+00

ERW

A/C

A/D

A/D

A/D

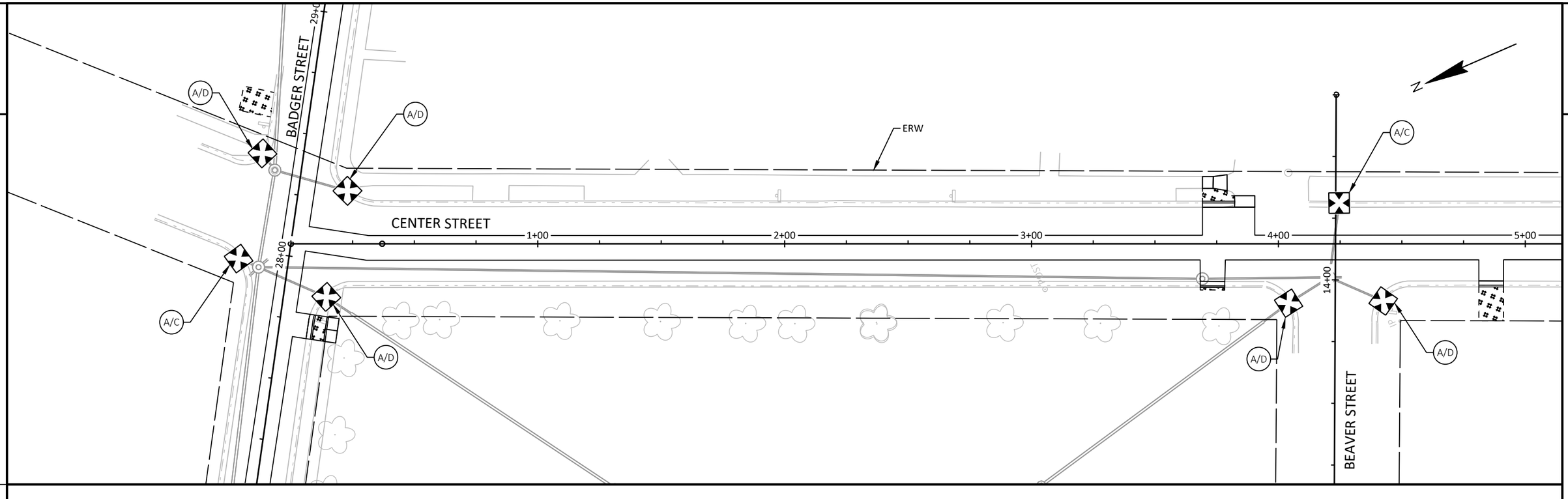
CENTER STREET

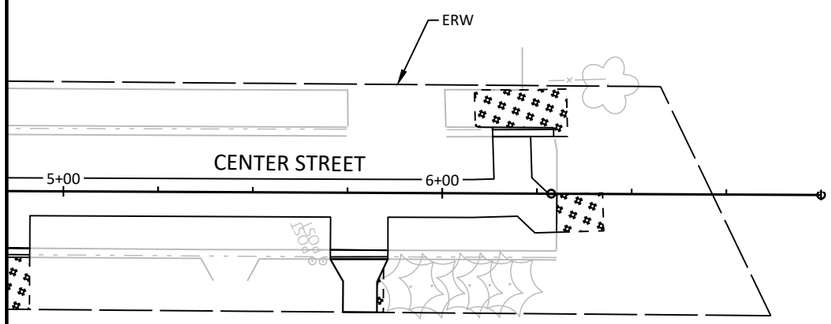
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 64	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022001-EC.DWG
LAYOUT NAME - 3001265-022012-ec

PLOT DATE : 10/22/2025 2:00 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT





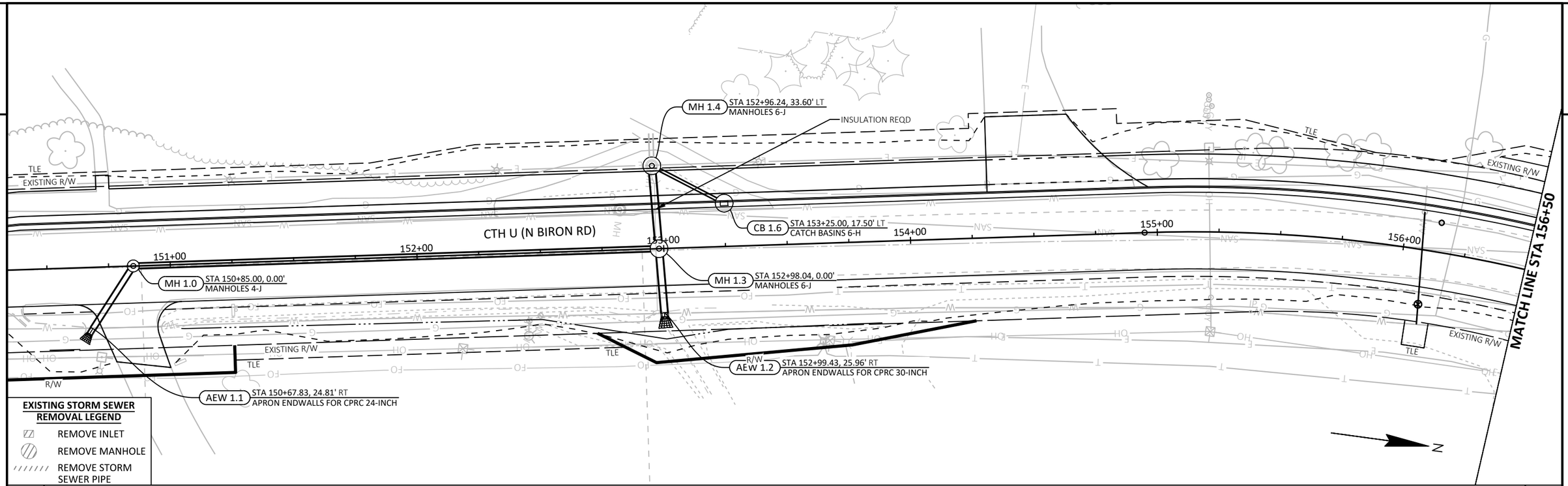
LEGEND

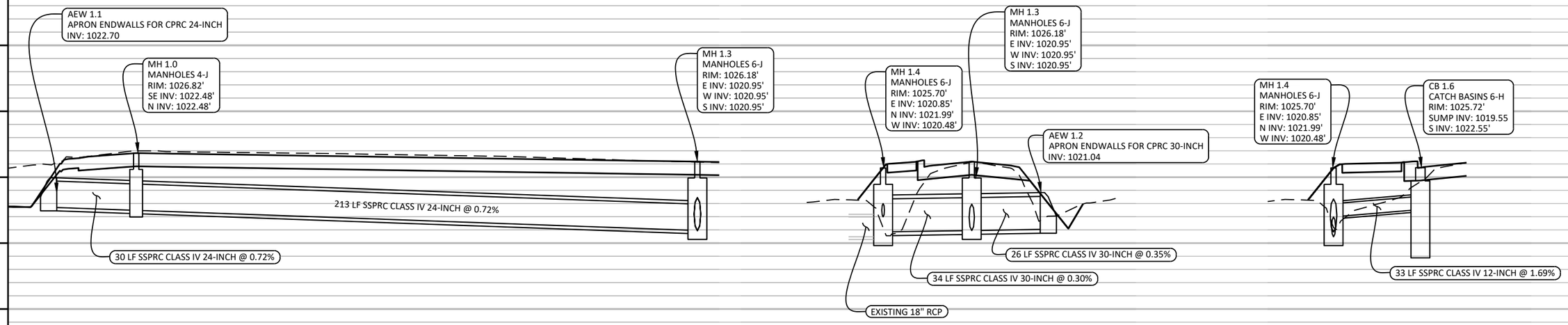
- EROSION MAT URBAN CLASS I TYPE A
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- INLET PROTECTION TYPE (X)
- SILT FENCE
- SURFACE FLOW ARROW
- RIPRAP

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	EROSION CONTROL	SHEET 65	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022001-EC.DWG
LAYOUT NAME - 3001265-022013-ec

PLOT DATE : 10/13/2025 12:38 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 66 E

2

RECONSTRUCTING MANHOLE (PLACE SANITARY COVER OUT OF PROPOSED CURB HEAD)

INSULATION REQD

RECONSTRUCTING MANHOLE (PLACE SANITARY COVER OUT OF PROPOSED CURB HEAD)

INSULATION REQD

MATCH LINE STA 156+50

MATCH LINE STA 162+50

CTH U (N BIRON RD)

157+00 158+00 159+00 160+00 161+00 162+00

TLE EXISTING R/W R/W

STA 158+00.00, 17.50' LT
INLETS 2X3-H-S
INL 2.1

STA 158+00.00, 6.00' RT
MANHOLES 6-J
MH 2.0

MH 2.2
STA 160+50.31, 6.39' RT
MANHOLES 4-J

STA 162+13.00, 17.50' LT
INLETS 2X3-H
INL 3.2

STA 162+13.00, 5.00' LT
MANHOLES 4-J
MH 3.0

STA 162+13.00, 17.50' RT
CATCH BASINS 4-H
CB 3.1

STA 161+16.49, 38.59' RT
APRON ENDWALLS FOR CPRC 12-INCH
AEW 2.3

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

N

1030 1025 1020 1015

INL 3.2
INLETS 2X3-H
RIM: 1027.80'
SE INV: 1025.52'

MH 3.0
MANHOLES 4-J
RIM: 1028.08'
NW INV: 1024.89'
SE INV: 1022.50'
NE INV: 1022.50'

MH 3.0
MANHOLES 4-J
RIM: 1028.08'
NW INV: 1024.89'
SE INV: 1022.50'
NE INV: 1022.50'

CB 3.1
CATCH BASINS 4-H
RIM: 1027.80'
SUMP INV: 1019.60
NW INV: 1022.60'

12 LF SSPRC CLASS IV 12-INCH @ 5.06%

PROPOSED WATER MAIN

22 LF SSPRC CLASS IV 12-INCH @ 0.44%

1035 1030 1025 1020

INL 2.1
INLETS 2X3-H-S
RIM: 1027.49'
E INV: 1023.82'

MH 2.0
MANHOLES 6-J
RIM: 1027.75'
SUMP INV: 1020.74
W INV: 1023.74'
N INV: 1023.74'

MH 2.2
MANHOLES 4-J
RIM: 1028.62'
S INV: 1022.99'
NE INV: 1022.99'

AEW 2.3
APRON ENDWALLS FOR CPRC 12-INCH
SW INV: 1022.76

250 LF SSPRC CLASS IV 12-INCH @ 0.30%

24 LF SSPRC CLASS IV 12-INCH @ 0.33%

72 LF SSPRC CLASS IV 12-INCH @ 0.32%

PROPOSED WATER MAIN

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 67 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022500-SS.DWG
LAYOUT NAME - 3001265-022503-ss
PLOT DATE : 12/1/2025 2:12 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

MATCH LINE STA 162+50

MATCH LINE STA 168+50

EXISTING R/W

TLE

CTH U (N BIRON DR)

BEAVER ST

BP: 11+00.00

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

MH 4.0 — STA 163+73.40, 5.00' LT — MANHOLES 4-J

CB 4.1 — STA 163+73.40, 17.50' RT — CATCH BASINS 4-H

INL 5.1 — STA 165+18.47, 17.66' LT — INLETS 4-H

CB 5.2 — STA 165+14.12, 17.50' RT — CATCH BASINS 4-H

MH 5.0 — STA 165+17.86, 5.75' LT — MANHOLES 6-J

INL 7.1 — STA 11+38.76, 16.50' RT — INLETS 2X3-H

INL 7.2 — STA 11+48.76, 16.51' RT — INLETS 2X3-H

MH 7.0 — STA 11+38.37, 8.23' RT — MANHOLES 4-J

CC 1 — STA 11+44.77, 7.88' RT — CONCRETE COLLAR

INL 5.3 — STA 165+27.56, 20.75' LT — INLETS 2X3-H

EX MH 70296 — STA 165+47.39, 62.88' LT — EXISTING MANHOLE

MH 6.0 — STA 165+40.90, 18.70' LT — MANHOLES 6-J

CC 11 — STA 165+76.83, 30.02' LT — CONCRETE COLLAR

MH 9.0 — STA 165+69.24, 22.59' LT — MANHOLES 3-J

INL 10.2 — STA 166+00.00, 17.50' LT — INLETS 2X3-H-S

MH 10.0 — STA 166+00.00, 5.00' RT — MANHOLES 4-J

CB 10.1 — STA 166+00.00, 17.50' RT — CATCH BASINS 4-H

CC 3 — STA 165+74.94, 22.51' RT — CONCRETE COLLAR

MH 8.0 — STA 165+68.58, 16.01' RT — MANHOLES 4-J

INL 8.1 — STA 11+39.72, 16.51' LT — INLETS 2X3-H-S

R/W

N

1040 / 1035 / 1030 / 1025 / 1020 / 1015 / 1010 / 1005

MH 4.0
MANHOLES 4-J
RIM: 1027.52'
SE INV: 1022.00'
SW INV: 1022.00'
NE INV: 1022.00'

MH 5.0
MANHOLES 6-J
RIM: 1027.00'
SE INV: 1021.55'
SW INV: 1021.55'
NW INV: 1021.55'
N INV: 1021.55'

MH 6.0
MANHOLES 6-J
RIM: 1026.70'
N INV: 1021.70'
E INV: 1016.71'
S INV: 1021.50'
E INV: 1019.50'
NW INV: 1015.46'

MH 9.0
MANHOLES 3-J
RIM: 1026.64'
FRAME HT: 0.74'
ADJ HT: 0.50'
RIM TO BOTTOM: 4.70'
SUMP DEPTH: 0.00'
S INV: 1021.94'
N INV: 1024.10'

EX MH 70296
MANHOLES 3-C
RIM: 1027.00'
SE INV: 1015.36'

MH 6.0
MANHOLES 6-J
RIM: 1026.70'
N INV: 1021.70'
E INV: 1016.71'
S INV: 1021.50'
E INV: 1019.50'
NW INV: 1015.46'

MH 7.0
MANHOLES 4-J
RIM: 1026.63'
S INV: 1021.90'
E INV: 1017.36'
W INV: 1017.36'

MH 6.0
MANHOLES 6-J
RIM: 1026.70'
N INV: 1021.70'
E INV: 1016.71'
S INV: 1021.50'
E INV: 1019.50'
NW INV: 1015.46'

MH 8.0
MANHOLES 4-J
RIM: 1026.62'
W INV: 1020.00'
N INV: 1020.00'
E INV: 1023.21'
SE INV: 1021.80'

MH 10.0
MANHOLES 4-J
RIM: 1026.73'
NW INV: 1021.90'
SE INV: 1021.90'
S INV: 1021.00'

161 LF SSPRC CLASS III 18-INCH @ 0.31%

144 LF SSPRC CLASS III 18-INCH @ 0.31%

26 LF SSPRC CLASS III 18-INCH @ 0.19%

29 LF SSPRC CLASS IV 12-INCH @ 0.84%

11 LF SSPRC CLASS III 12-INCH @ 0.28%

CONCRETE COLLAR
CC 11

45 LF SSPRC CLASS III 18-INCH @ 0.22%

PROPOSED WATER MAIN

57 LF SSPRC CLASS III 18-INCH @ 1.14%

CONCRETE COLLAR
CC 1

6 LF SSPRC CLASS III 12-INCH @ 2.34%

PROPOSED
WATER MAIN

33 LF SSPRC CLASS IV 15-INCH
@ 3.00%

44 LF SSPRC CLASS IV 15-INCH @ 1.13%

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 68 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022500-SS.DWG
LAYOUT NAME - 3001265-022505-ss

PLOT DATE : 1/20/2026 6:46 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

MATCH LINE STA 162+50

MATCH LINE STA 168+50

EXISTING R/W

TLE

CTH U (N BIRON DR)

BEAVER ST

BP: 11+00.00

163+00 164+00 165+00 166+00 167+00 168+00

MH 4.0
STA 163+73.40, 5.00' LT
MANHOLES 4-J

CB 4.1
STA 163+73.40, 17.50' RT
CATCH BASINS 4-H

INL 5.3
STA 165+27.56, 20.75' LT
INLETS 2X3-H

INL 5.1
STA 165+18.47, 17.66' LT
INLETS 4-H

CB 5.2
STA 165+14.12, 17.50' RT
CATCH BASINS 4-H

MH 5.0
STA 165+17.86, 5.75' LT
MANHOLES 6-J

INL 7.1
STA 11+38.76, 16.50' RT
INLETS 2X3-H

INL 7.2
STA 11+48.76, 16.51' RT
INLETS 2X3-H

MH 7.0
STA 11+38.37, 8.23' RT
MANHOLES 4-J

CC 1
STA 11+44.77, 7.88' RT
CONCRETE COLLAR

EX MH 70296
STA 165+47.39, 62.88' LT
EXISTING MANHOLE

MH 6.0
STA 165+40.90, 18.70' LT
MANHOLES 6-J

CC 11
STA 165+76.83, 30.02' LT
CONCRETE COLLAR

MH 9.0
STA 165+69.24, 22.59' LT
MANHOLES 3-J

INL 10.2
STA 166+00.00, 17.50' LT
INLETS 2X3-H-S

MH 10.0
STA 166+00.00, 5.00' RT
MANHOLES 4-J

CB 10.1
STA 166+00.00, 17.50' RT
CATCH BASINS 4-H

CC 3
STA 165+74.94, 22.51' RT
CONCRETE COLLAR

MH 8.0
STA 165+68.58, 16.01' RT
MANHOLES 4-J

INL 8.1
STA 11+39.72, 16.51' LT
INLETS 2X3-H-S

R/W

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

MH 4.0
MANHOLES 4-J
RIM: 1027.52'
SE INV: 1022.00'
SW INV: 1022.00'
NE INV: 1022.00'

CB 4.1
CATCH BASINS 4-H
RIM: 1027.08'
SUMP INV: 1019.20
NW INV: 1022.20'

22 LF SSPRC CLASS IV 12-INCH @ 0.89%

PROPOSED WATER MAIN

INL 5.1
INLETS 4-H
RIM: 1026.72'
N INV: 1021.60'
SE INV: 1021.60'

MH 5.0
MANHOLES 6-J
RIM: 1027.00'
SE INV: 1021.55'
SW INV: 1021.55'
NW INV: 1021.55'
N INV: 1021.55'

INL 5.3
INLETS 2X3-H
RIM: 1026.64'
S INV: 1021.70'

CB 5.2
CATCH BASINS 4-H
RIM: 1026.59'
SUMP INV: 1018.70
NW INV: 1021.70'

10 LF SSPRC CLASS IV 12-INCH @ 1.04%

12 LF SSPRC CLASS IV 15-INCH @ 0.42%

24 LF SSPRC CLASS IV 12-INCH @ 0.64%

PROPOSED WATER MAIN

INL 7.1
INLETS 2X3-H
RIM: 1026.45'
SE INV: 1021.95'
N INV: 1021.95'

MH 7.0
MANHOLES 4-J
RIM: 1026.63'
S INV: 1021.90'
E INV: 1017.36'
W INV: 1017.36'

INL 7.2
INLETS 2X3-H
RIM: 1026.49'
NW INV: 1022.00'

10 LF SSPRC CLASS IV 12-INCH @ 0.50%

8 LF SSPRC CLASS IV 15-INCH @ 0.60%

INL 8.1
INLETS 2X3-H-S
RIM: 1026.31'
NW INV: 1022.00'

MH 8.0
MANHOLES 4-J
RIM: 1026.62'
W INV: 1020.00'
N INV: 1020.00'
E INV: 1023.21'
SE INV: 1021.80'

CONCRETE COLLAR CC 3

9 LF SSPC 6-INCH @ 0.38%

24 LF SSPRC CLASS IV 12-INCH @ 0.84%

CB 10.1
CATCH BASINS 4-H
RIM: 1026.45'
SUMP INV: 1019.00
NW INV: 1022.00'

MH 10.0
MANHOLES 4-J
RIM: 1026.73'
NW INV: 1021.90'
SE INV: 1021.90'
S INV: 1021.00'

INL 10.2
INLETS 2X3-H-S
RIM: 1026.45'
SE INV: 1022.00'

22 LF SSPRC CLASS IV 12-INCH @ 0.44%

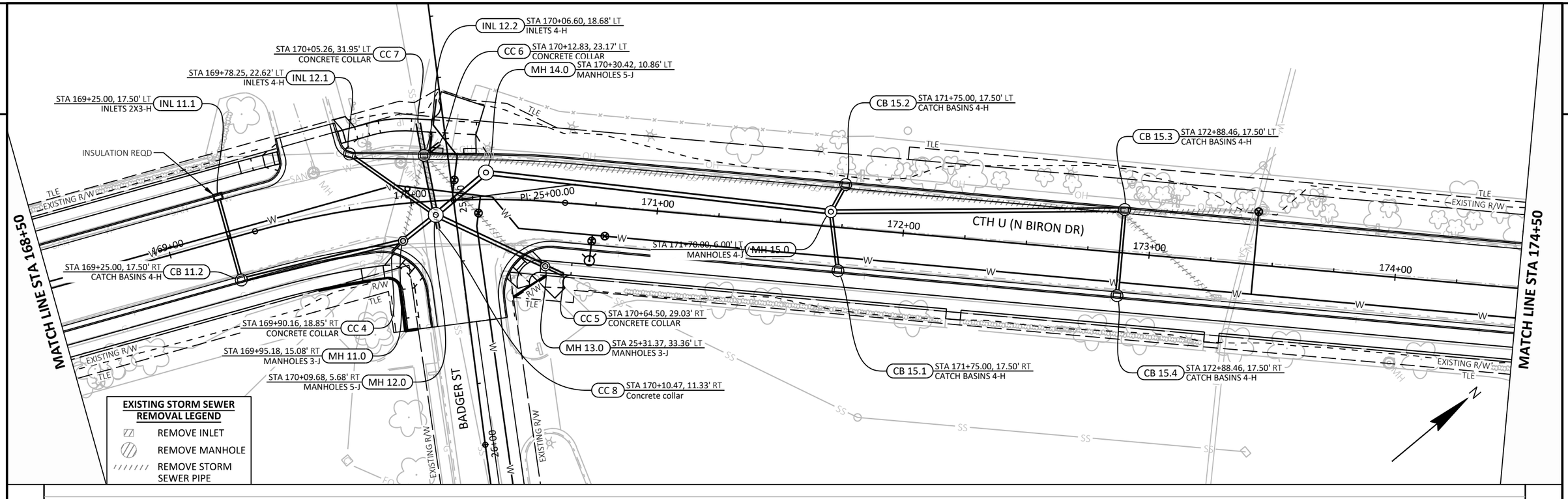
PROPOSED WATER MAIN

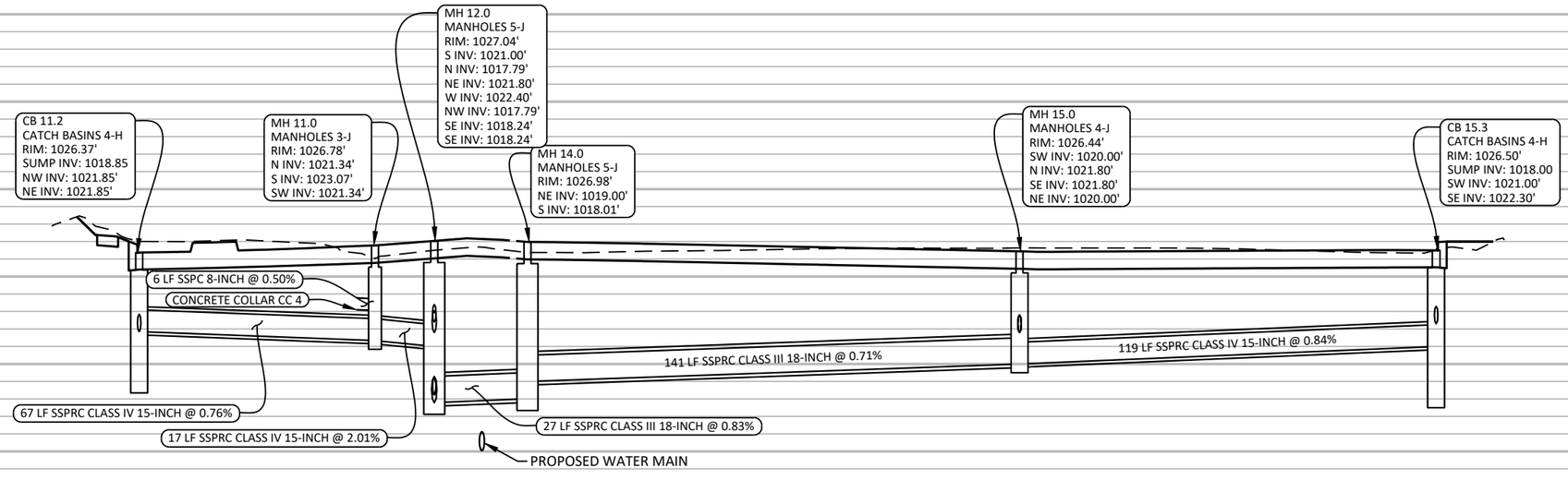
12 LF SSPRC CLASS IV 12-INCH @ 0.80%

1060 1055 1050 1045 1040 1035 1030 1025

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 69 E

2





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 70 E

2

MATCH LINE STA 168+50

MATCH LINE STA 174+50

INL 12.2 STA 170+06.60, 18.68' LT INLETS 4-H

CC 7 STA 170+05.26, 31.95' LT CONCRETE COLLAR

CC 6 STA 170+12.83, 23.17' LT CONCRETE COLLAR

MH 14.0 STA 170+30.42, 10.86' LT MANHOLES 5-J

INL 12.1 STA 169+78.25, 22.62' LT INLETS 4-H

INL 11.1 STA 169+25.00, 17.50' LT INLETS 2X3-H

INSULATION REQD

CB 15.2 STA 171+75.00, 17.50' LT CATCH BASINS 4-H

CB 15.3 STA 172+88.46, 17.50' LT CATCH BASINS 4-H

TLE EXISTING R/W

PI: 25+00.00

170+00 171+00 172+00 173+00 174+00

169+00

CTH U (N BIRON DR)

STA 171+78.00, 6.00' LT MANHOLES 4-J MH 15.0

CB 11.2 STA 169+25.00, 17.50' RT CATCH BASINS 4-H

CC 5 STA 170+64.50, 29.03' RT CONCRETE COLLAR

CC 4 STA 169+90.16, 18.85' RT CONCRETE COLLAR

MH 13.0 STA 25+31.37, 33.36' LT MANHOLES 3-J

MH 11.0 STA 169+95.18, 15.08' RT MANHOLES 3-J

MH 12.0 STA 170+09.68, 5.68' RT MANHOLES 5-J

CC 8 STA 170+10.47, 11.33' RT Concrete collar

CB 15.1 STA 171+75.00, 17.50' RT CATCH BASINS 4-H

CB 15.4 STA 172+88.46, 17.50' RT CATCH BASINS 4-H

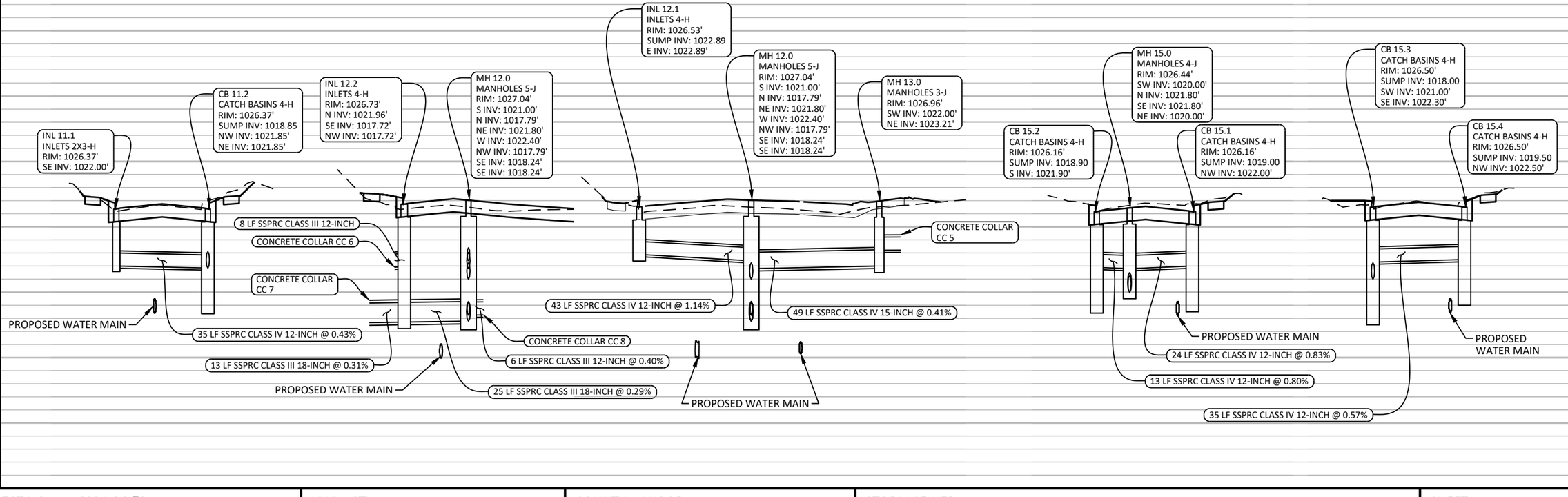
BADGER ST

25+00

26+00

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 71 E

MATCH LINE STA 174+50

MATCH LINE STA 180+50

2

CB 16.2 STA 174+65.76, 17.50' LT CATCH BASINS 4-H

CB 16.1 STA 30+20.46, 26.80' RT CATCH BASINS 4-H

STA 176+50.00, 17.50' LT CATCH BASINS 6-H-S CB 18.1

INL 18.0 STA 176+62.50, 17.50' LT INLETS 2X3-H

STA 179+64.10, 17.50' LT CATCH BASINS 6-H CB 22.2

MH 22.0 STA 179+64.10, 5.00' RT MANHOLES 5-J

175+00 176+00 177+00 178+00 179+00 180+00

BP: 30+00.00

CB 16.3 STA 30+38.90, 17.50' LT CATCH BASINS 4-H

CB 18.2 STA 176+50.00, 17.50' RT CATCH BASINS 6-H-S

CTH U (N BIRON DR)

STA 179+26.22, 5.00' RT MANHOLES 6-J MH 19.0

CB 22.1 STA 179+64.10, 17.50' RT CATCH BASINS 6-H

INL 20.1 STA 40+39.00, 17.50' LT INLETS 2X3-H-S

MH 16.0 STA 30+39.62, 1.02' LT MANHOLES 4-J

MH 20.0 STA 40+43.07, 0.15' RT MANHOLES 5-J

MH 21.0 STA 40+55.90, 0.12' RT MANHOLES 6-J

AEW 18.3 STA 176+50.00, 39.00' RT APRON ENDWALLS FOR CPRC 18-INCH

AEW 17.0 STA 30+57.26, 87.01' LT APRON ENDWALLS FOR CPRC 12-INCH

OTTER ST

BEAR ST

STA 40+53.88, 27.55' RT APRON ENDWALLS FOR CPRCHE 19X30-INCH AEW 21.1

STA 40+38.00, 17.50' RT INLETS 2X3-H-S INL 20.2

EF: 41+00.00

MH 17.0 STA 30+97.14, 0.21' LT MANHOLES 5-J

EX MH 15158_64482 STA 31+52.81 , 0.49' RT EXISTING MANHOLE

EXISTING R/W

TLE

R/W

SS

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

1040 1035 1030 1025 1020 1015 1010 1005

CB 16.2
CATCH BASINS 4-H
RIM: 1027.03'
SUMP INV: 1019.85
SE INV: 1022.85'

CB 16.1
CATCH BASINS 4-H
RIM: 1026.98'
SUMP INV: 1019.70
NW INV: 1022.70'
E INV: 1022.70'

MH 16.0
MANHOLES 4-J
RIM: 1027.48'
W INV: 1022.50'
NE INV: 1022.50'
SE INV: 1022.50'

CB 16.3
CATCH BASINS 4-H
RIM: 1026.96'
SUMP INV: 1019.70
SW INV: 1022.70'

MH 16.0
MANHOLES 4-J
RIM: 1027.48'
W INV: 1022.50'
NE INV: 1022.50'
SE INV: 1022.50'

MH 17.0
MANHOLES 5-J
RIM: 1028.20'
N INV: 1022.11'
NW INV: 1022.11'
SE INV: 1022.11'

EX MH 15158_64482
NW INV: 1021.94'
SW INV: 1022.06'
SE INV: 1022.56'
NE INV: 1022.06'

MH 17.0
MANHOLES 5-J
RIM: 1028.20'
N INV: 1022.11'
NW INV: 1022.11'
SE INV: 1022.11'

MH 19.0
MANHOLES 6-J
RIM: 1028.22'
SE INV: 1024.88'
NE INV: 1024.88'

MH 22.0
MANHOLES 5-J
RIM: 1028.23'
NW INV: 1024.94'
SE INV: 1024.92'
SW INV: 1024.94'
NE INV: 1024.94'

16 LF SSPRC CLASS IV 12-INCH @ 1.21%

34 LF SSPRC CLASS IV 15-INCH @ 0.59%

PROPOSED WATER MAIN

40 LF SSPRC CLASS IV 12-INCH @ 0.37%

58 LF SSPRC CLASS IV 15-INCH @ 0.68%

56 LF SSPRC CLASS IV 15-INCH @ 0.31%

AEW 17.0
APRON ENDWALLS FOR CPRC 12-INCH
INV: 1023.00

96 LF SSPRC CLASS IV 12-INCH @ 0.93%

38 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.16%

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 72	E

MATCH LINE STA 174+50

MATCH LINE STA 180+50

CB 16.2 STA 174+65.76, 17.50' LT CATCH BASINS 4-H

CB 16.1 STA 30+20.46, 26.80' RT CATCH BASINS 4-H

STA 176+50.00, 17.50' LT CATCH BASINS 6-H-S CB 18.1

INL 18.0 STA 176+62.50, 17.50' LT INLETS 2X3-H

STA 179+64.10, 17.50' LT CATCH BASINS 6-H CB 22.2

MH 22.0 STA 179+64.10, 5.00' RT MANHOLES 5-J

BP: 30+00.00

CB 16.3 STA 30+38.90, 17.50' LT CATCH BASINS 4-H

CB 18.2 STA 176+50.00, 17.50' RT CATCH BASINS 6-H-S

CTH U (N BIRON DR)

STA 179+26.22, 5.00' RT MANHOLES 6-J MH 19.0

CB 22.1 STA 179+64.10, 17.50' RT CATCH BASINS 6-H

INL 20.1 STA 40+39.00, 17.50' LT INLETS 2X3-H-S

MH 16.0 STA 30+39.62, 1.02' LT MANHOLES 4-J

MH 20.0 STA 40+43.07, 0.15' RT MANHOLES 5-J

MH 21.0 STA 40+55.90, 0.12' RT MANHOLES 6-J

AEW 18.3 STA 176+50.00, 39.00' RT APRON ENDWALLS FOR CPRC 18-INCH

AEW 17.0 STA 30+57.26, 87.01' LT APRON ENDWALLS FOR CPRC 12-INCH

OTTER ST

BEAR ST

STA 40+53.88, 27.55' RT APRON ENDWALLS FOR CPRCHE 19X30-INCH AEW 21.1

STA 40+38.00, 17.50' RT INLETS 2X3-H-S INL 20.2

EP: 41+00.00

MH 17.0 STA 30+97.14, 0.21' LT MANHOLES 5-J

EX MH 15158_64482 STA 31+52.81 , 0.49' RT EXISTING MANHOLE

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

CB 18.1
CATCH BASINS 6-H-S
RIM: 1026.84'
SUMP INV: 1021.05
NE INV: 1024.05'
SE INV: 1024.05'

CB 18.2
CATCH BASINS 6-H-S
RIM: 1026.84'
SUMP INV: 1020.66
SE INV: 1023.66'
NW INV: 1023.91'

INL 18.0
INLETS 2X3-H
RIM: 1026.88'
SW INV: 1024.10'

AEW 18.3
APRON ENDWALLS FOR CPRC 18-INCH
INV: 1023.60

21 LF SSPRC CLASS IV 18-INCH @ 0.30%

PROPOSED WATER MAIN

35 LF SSPRC CLASS IV 15-INCH @ 0.40%

12 LF SSPRC CLASS IV 12-INCH @ 0.40%

MH 20.0
MANHOLES 5-J
RIM: 1028.23'
SE INV: 1024.82'
SW INV: 1024.82'
NE INV: 1024.82'
NW INV: 1024.82'

INL 20.1
INLETS 2X3-H-S
RIM: 1027.80'
SW INV: 1024.90'

INL 20.2
INLETS 2X3-H-S
RIM: 1027.58'
NE INV: 1024.90'

18 LF SSPRC CLASS IV 12-INCH @ 0.44%

18 LF SSPRC CLASS IV 12-INCH @ 0.44%

MH 19.0
MANHOLES 6-J
RIM: 1028.22'
SE INV: 1024.88'
NE INV: 1024.88'

MH 20.0
MANHOLES 5-J
RIM: 1028.23'
SE INV: 1024.82'
SW INV: 1024.82'
NE INV: 1024.82'
NW INV: 1024.82'

AEW 21.1
APRON ENDWALLS FOR CPRCHE 19X30-INCH
NE INV: 1024.75

MH 21.0
MANHOLES 6-J
RIM: 1028.37'
NW INV: 1024.80'
SW INV: 1024.80'

28 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.18%

13 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.16%

PROPOSED WATER MAIN

38 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.16%

CB 22.2
CATCH BASINS 6-H
RIM: 1027.95'
SUMP INV: 1022.08
SE INV: 1025.08'

MH 22.0
MANHOLES 5-J
RIM: 1028.23'
NW INV: 1024.94'
SE INV: 1024.92'
SW INV: 1024.94'
NE INV: 1024.94'

CB 22.1
CATCH BASINS 6-H
RIM: 1027.95'
SUMP INV: 1022.00
NW INV: 1025.00'

12 LF SSPRC CLASS IV 12-INCH @ 0.61%

23 LF SSPRC CLASS IV 12-INCH @ 0.62%

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 73	E

2

MATCH LINE STA 180+50

MATCH LINE STA 186+50

EXISTING R/W

CTH U (N BIRON DR)

ELK ST

MH 23.0
STA 181+69.67, 5.00' RT
MANHOLES 5-J

MH 24.0
STA 183+88.68, 5.00' RT
MANHOLES 5-J

CB 24.2
STA 183+88.68, 17.50' LT
CATCH BASINS 6-H

CB 24.1
STA 183+88.68, 17.50' RT
CATCH BASINS 6-H

CONNECT EXISTING UNDERDRAIN

STA 186+25.00, 17.50' LT
CATCH BASINS 6-H
CB 26.2

STA 186+25.00, 5.00' RT
MANHOLES 4-J
MH 26.0

STA 186+25.00, 17.50' RT
CATCH BASINS 6-H
CB 26.1

MH 25.0
STA 184+80.00, 1.24' RT
MANHOLES 5-J

REMOVE EXISTING 12" OUTFALL PIPE AND BULKHEAD BEYOND PROPOSED MANHOLE
WORK INCIDENTAL TO MANHOLE ITEM

181+00 182+00 183+00 184+00 185+00 186+00

W R/W TLE

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

N

1040 1035 1030 1025 1020 1015 1010 1005

MH 23.0
MANHOLES 5-J
RIM: 1028.96'
SW INV: 1025.24'
NE INV: 1025.24'

MH 24.0
MANHOLES 5-J
RIM: 1030.26'
NE INV: 1025.55'
NW INV: 1025.57'
SW INV: 1025.55'
SE INV: 1025.57'

MH 25.0
MANHOLES 5-J
RIM: 1030.63'
NE INV: 1025.72'
SW INV: 1025.72'
NW INV: 1027.00'

MH 26.0
MANHOLES 4-J
RIM: 1031.04'
NE INV: 1025.98'
SW INV: 1025.98'
NW INV: 1025.98'
SE INV: 1025.98'

206 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.15%

218 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.14%

92 LF SSPRC CLASS IV 18-INCH @ 0.19%

145 LF SSPRC CLASS IV 18-INCH @ 0.18%

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 74 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-022500-SS.DWG
LAYOUT NAME - 3001265-022523-ss
PLOT DATE : 12/1/2025 2:13 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

MATCH LINE STA 180+50

MATCH LINE STA 186+50

EXISTING R/W

CTH U (N BIRON DR)

ELK ST

MH 23.0 STA 181+69.67, 5.00' RT MANHOLES 5-J

MH 24.0 STA 183+88.68, 5.00' RT MANHOLES 5-J

MH 25.0 STA 184+80.00, 1.24' RT MANHOLES 5-J

MH 26.0 STA 186+25.00, 5.00' RT MANHOLES 4-J

CB 24.1 STA 183+88.68, 17.50' RT CATCH BASINS 6-H

CB 24.2 STA 183+88.68, 17.50' LT CATCH BASINS 6-H

CB 26.1 STA 186+25.00, 17.50' RT CATCH BASINS 6-H

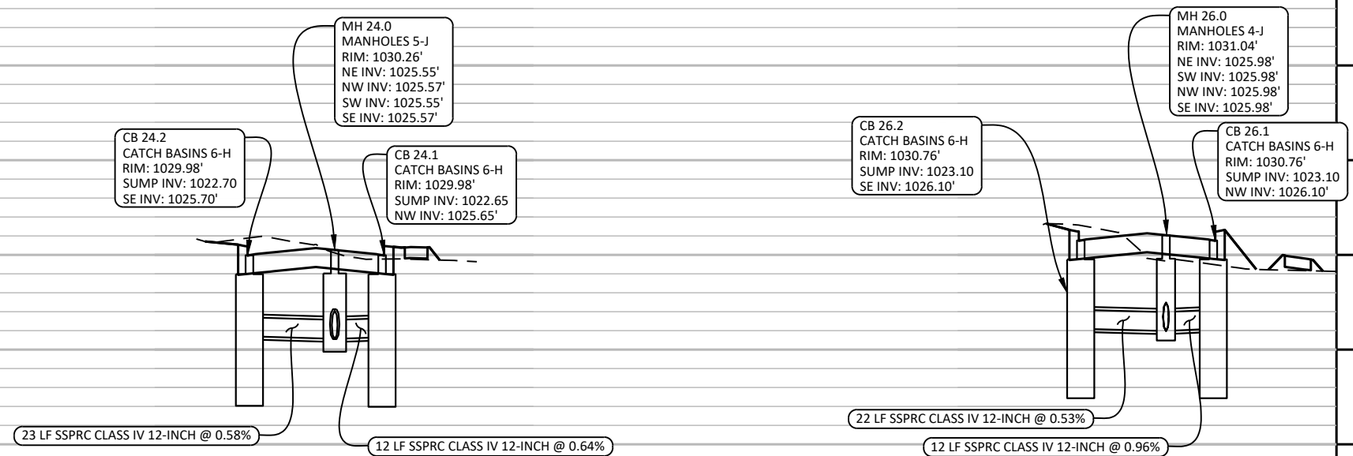
CB 26.2 STA 186+25.00, 17.50' LT CATCH BASINS 6-H

181+00 182+00 183+00 184+00 185+00 186+00

W R/W TLE

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 75	E

2

MATCH LINE STA 186+50

EXISTING R/W

EXISTING R/W

MH 27.0 STA 188+25.00, 5.00' RT MANHOLES 4-J

CTH U (N BIRON DR)

187+00 188+00 189+00 190+00 191+00 192+00

STA 190+25.00, 17.50' LT CATCH BASINS 6-H CB 28.2

INL 28.1 STA 190+35.00, 17.50' LT INLETS 2X3-H

STA 192+50.00, 5.00' RT MANHOLES 4-J MH 29.0

STA 190+25.00, 17.50' RT CATCH BASINS 6-H CB 28.3

MH 28.0 STA 190+25.00, 5.00' RT MANHOLES 4-J

STA 192+50.00, 17.50' RT CATCH BASINS 6-H CB 29.1

R/W

R/W

FOX ST

EXISTING R/W

EXISTING R/W

R/W

TLE

TLE

W

W

W

W

W

R/W (40')

OHP

OHP

OHP

EXISTING STORM SEWER REMOVAL LEGEND

- REMOVE INLET
- REMOVE MANHOLE
- REMOVE STORM SEWER PIPE

2

1050 1045 1040 1035 1030 1025 1020 1015

MH 27.0
MANHOLES 4-J
RIM: 1031.70'
NE INV: 1026.34'
SW INV: 1026.34'

MH 28.0
MANHOLES 4-J
RIM: 1031.08'
NW INV: 1026.70'
SE INV: 1026.70'
SW INV: 1026.70'
NE INV: 1026.70'

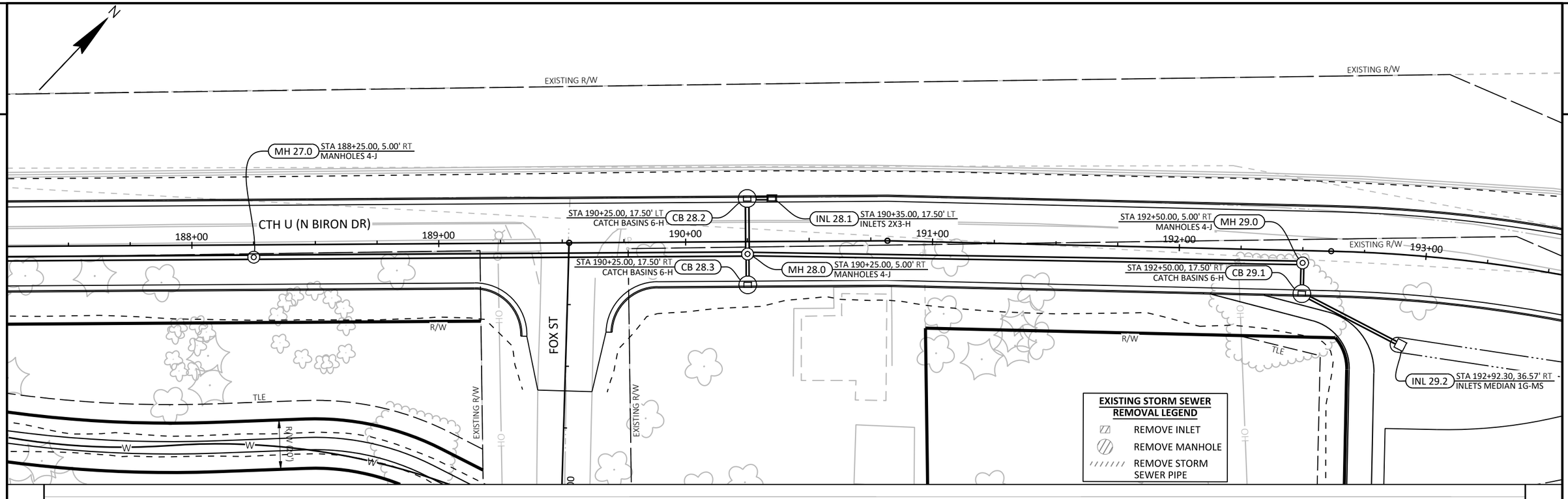
MH 29.0
MANHOLES 4-J
RIM: 1031.87'
SE INV: 1027.21'
SW INV: 1027.21'

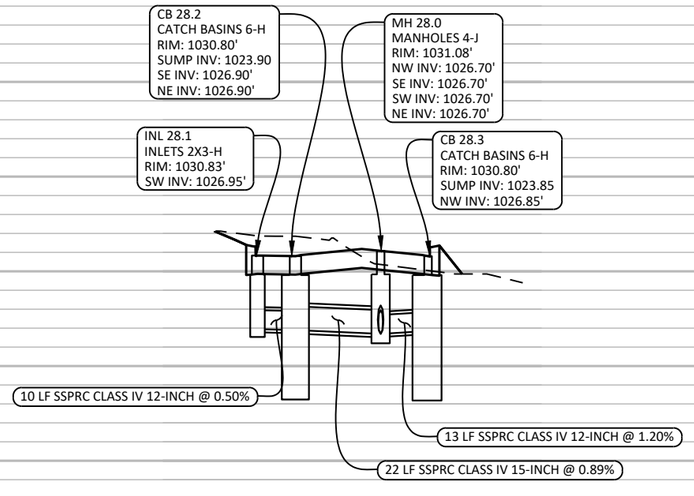
200 LF SSPRC CLASS IV 18-INCH @ 0.18%

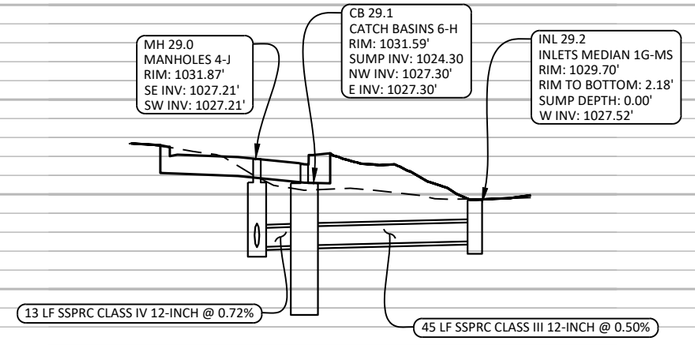
200 LF SSPRC CLASS IV 18-INCH @ 0.18%

225 LF SSPRC CLASS IV 15-INCH @ 0.23%

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 76	E

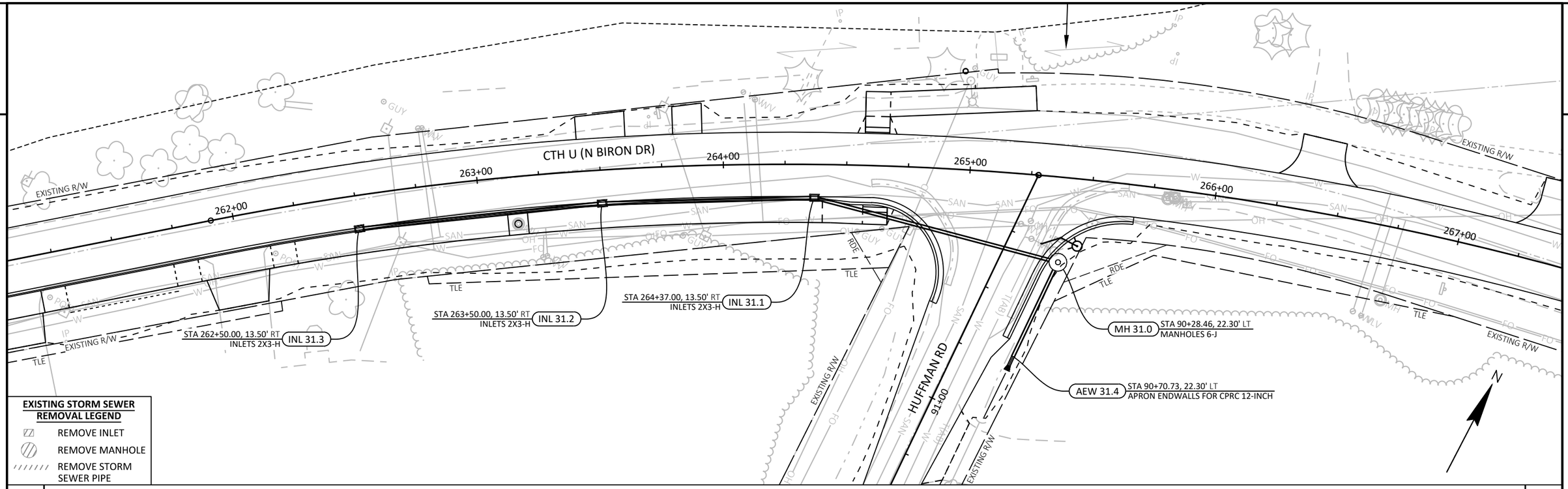


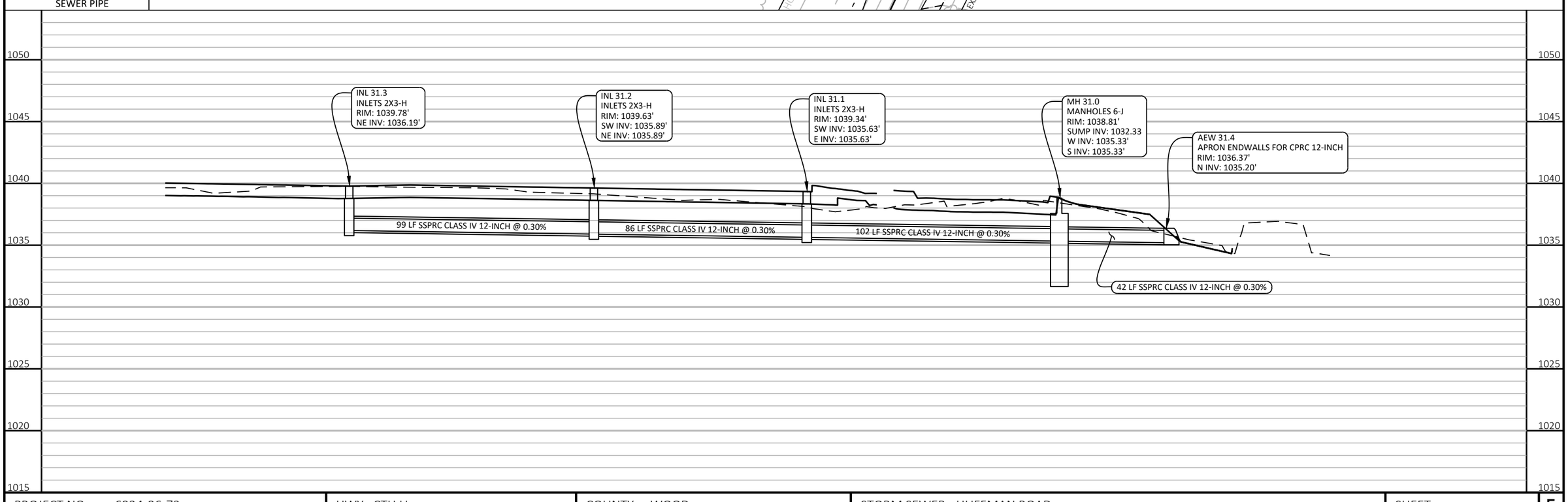




PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER	SHEET 77 E

2





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	STORM SEWER - HUFFMAN ROAD	SHEET 78 E

2

WATER MAIN GENERAL NOTES

ALL PIPE LENGTHS SHOWN ARE APPROXIMATE.

PIPE LENGTHS ARE TYPICALLY LABELED FROM FITTING TO FITTING (OR HYDRANT). SEPARATE LENGTHS ARE NOT SHOWN FOR PIPE ON EACH SIDE OF VALVES.

MIN. 2" INSULATION SHALL BE INCLUDED OVER ALL NEW WM AND CONNECTIONS WITH LESS THAN 6.0' OF COVER. SEE WATER MAIN INSULATION SPECIFICATIONS FOR DETAILED INFORMATION.

ABANDONING PIPES

EXISTING PIPES, VALVES, AND HYDRANTS DESIGNATED TO BE ABANDONED ON BADGER ST AND CENTER ST WILL TAKE PLACE DURING STAGE 1 OF THE PROJECT.

EXISTING PIPES, VALVES, AND HYDRANTS DESIGNATED TO BE ABANDONED ON CTH U (N. BIRON DR.) SOUTH OF FOX ST WILL TAKE PLACE DURING EITHER STAGE 1 OR STAGE 2 OF THE PROJECT. CONTRACTOR MUST COORDINATE WATER MAIN INSTALLATION AND ABANDONMENT WITH THE VILLAGE AND ALL APPROPRIATE SUBCONTRACTORS.

EXISTING PIPES DESIGNATED TO BE ABANDONED ON THE EAST END OF CTH U (N. BIRON DR.) NORTH OF FOX ST WILL TAKE PLACE DURING STAGE 3 OF THE PROJECT.

PIPES THAT ARE LOCATED UNDER STRUCTURES THAT REQUIRE STABILITY, SUCH AS CULVERTS AND RETAINING WALLS, MUST BE FILLED WITH SLURRY BEFORE ABANDONMENT AND ARE DESIGNATED ON THE PLAN & PROFILE SHEETS. TYPICAL ABANDONMENT OF PIPES UNDER ROADWAYS DOES NOT REQUIRE SLURRY.

CROSS CONNECTIONS

EXISTING WATER MAIN CROSS CONNECTIONS THROUGH STORM SEWER MANHOLES WILL BE ABANDONED DURING STAGE 1 AND 2 OF THE PROJECT. THEIR LOCATIONS INCLUDE:

- FOX ST (1)
- BADGER ST (2), AND
- CENTER ST (1)

CAUTION SHOULD BE TAKEN WHEN WORKING WITH AND NEAR THE EXISTING ASBESTOS CEMENT WATER MAINS ON FOX ST AND BADGER ST.

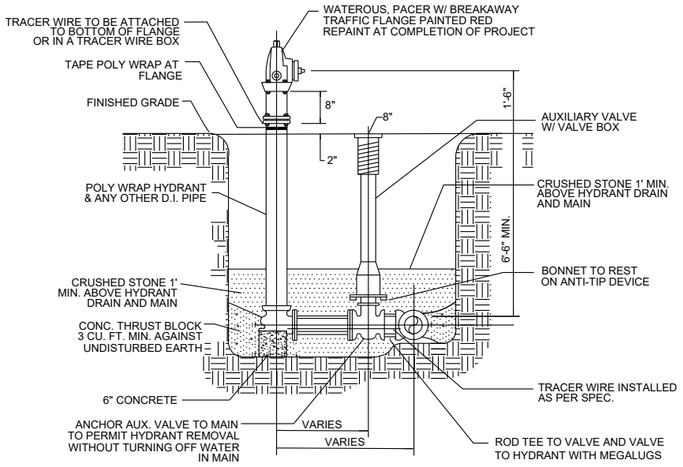
ALL WORK PERTAINING TO ASBESTOS CEMENT PIPE CUTTING AND HANDLING MUST ADHERE TO APPLICABLE WI DNR REQUIREMENTS.

SERVICE CONNECTIONS

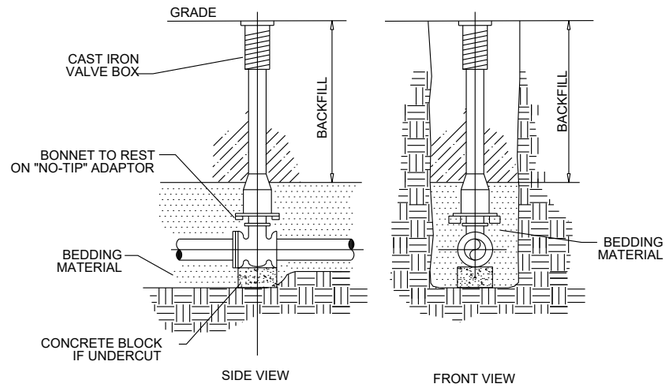
CONTRACTOR MUST COORDINATE ANY WATER MAIN ABANDONMENT AND INSTALLATION, SERVICE LATERAL REPLACEMENTS, AND TEMPORARY WATER SHUTOFFS WITH THE VILLAGE AND ALL APPROPRIATE SUBCONTRACTORS AND LANDOWNERS.

2

WISCONSIN
ROBERT D. GIVENS
E-33066
APPLETON, WIS.
PROFESSIONAL ENGINEER
6/26/2025

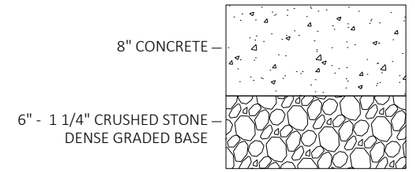


HYDRANT & VALVE INSTALLATION DETAIL
NOT TO SCALE

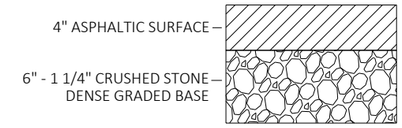


NOTE: ALL MATERIALS TO BE MADE IN AMERICA

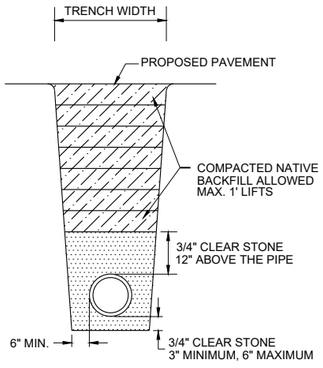
STANDARD VALVE & VALVE BOX SETTING
NOT TO SCALE



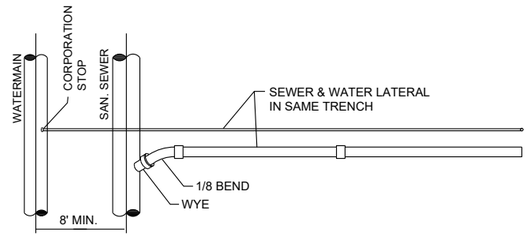
CONCRETE PAVEMENT 8-INCH
NTS



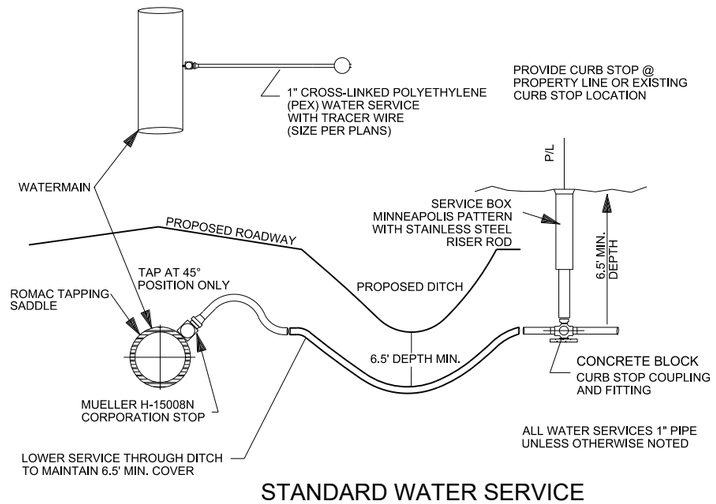
ASPHALTIC SURFACE
NTS



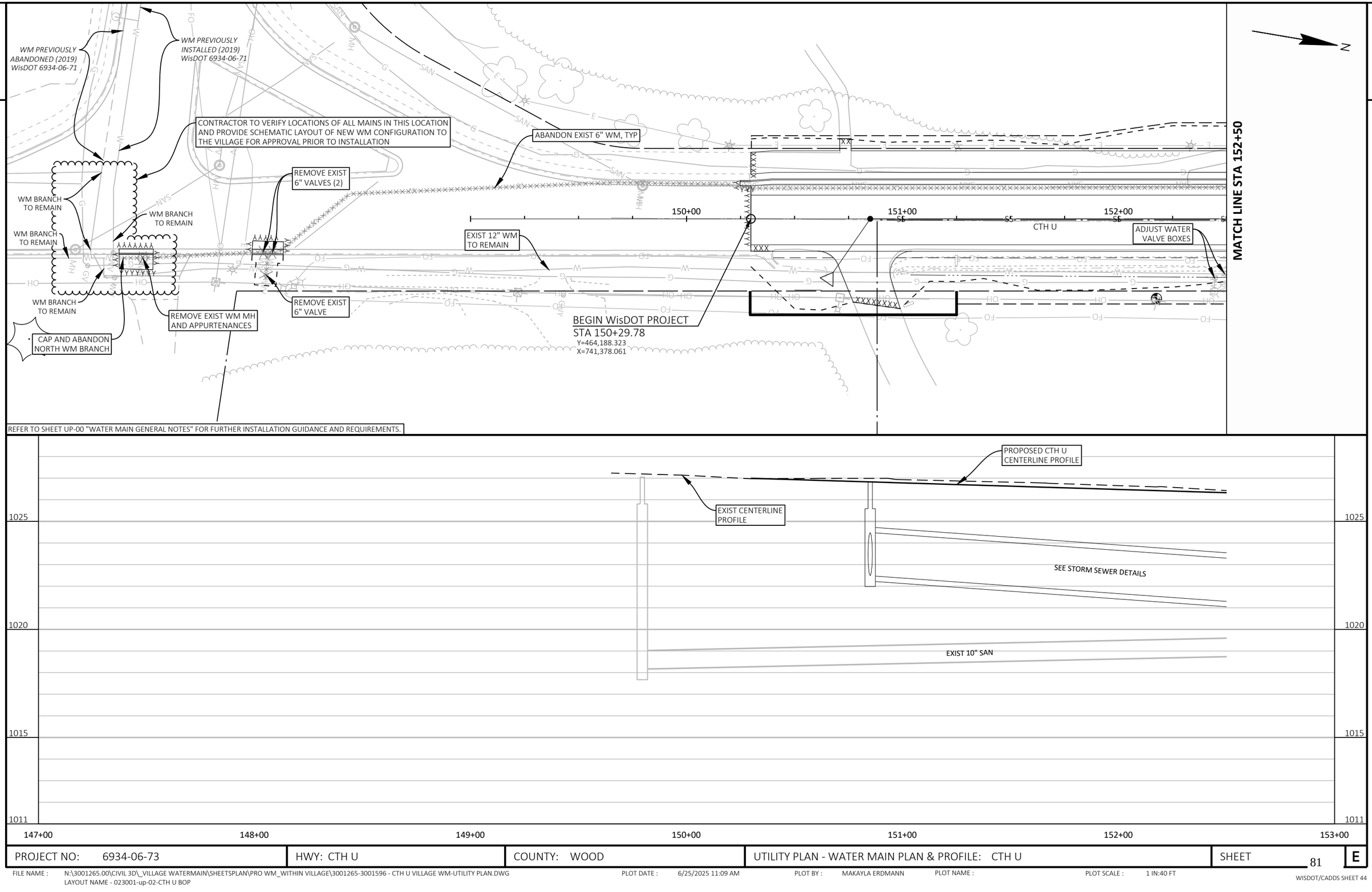
STORM, SANITARY SEWER, WATER MAIN & UTILITY TRENCH EXCAVATION & BACKFILL REQMTS.
NOT TO SCALE



TYPICAL CONNECTION SEWER & WATER
NOT TO SCALE



STANDARD WATER SERVICE
NOT TO SCALE



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U	SHEET 81	E

2

N

MATCH LINE STA 152+50

MATCH LINE STA 158+00

ABANDON EXIST 6" WM, TYP

CONNECT INTO EXIST 6" SERVICE LATERAL FOR MUNICIPAL CENTER VERIFY LOCATION AND DEPTH IN FIELD

REMOVE EXIST 6" CURB STOP VALVE

51 LF - 6" WAT LAT EXTENSION WITH CURB STOP

NEW 6" CURB STOP VALVE

PRESSURE TAP INTO EXIST MAIN WITH TAPPING SLEEVE

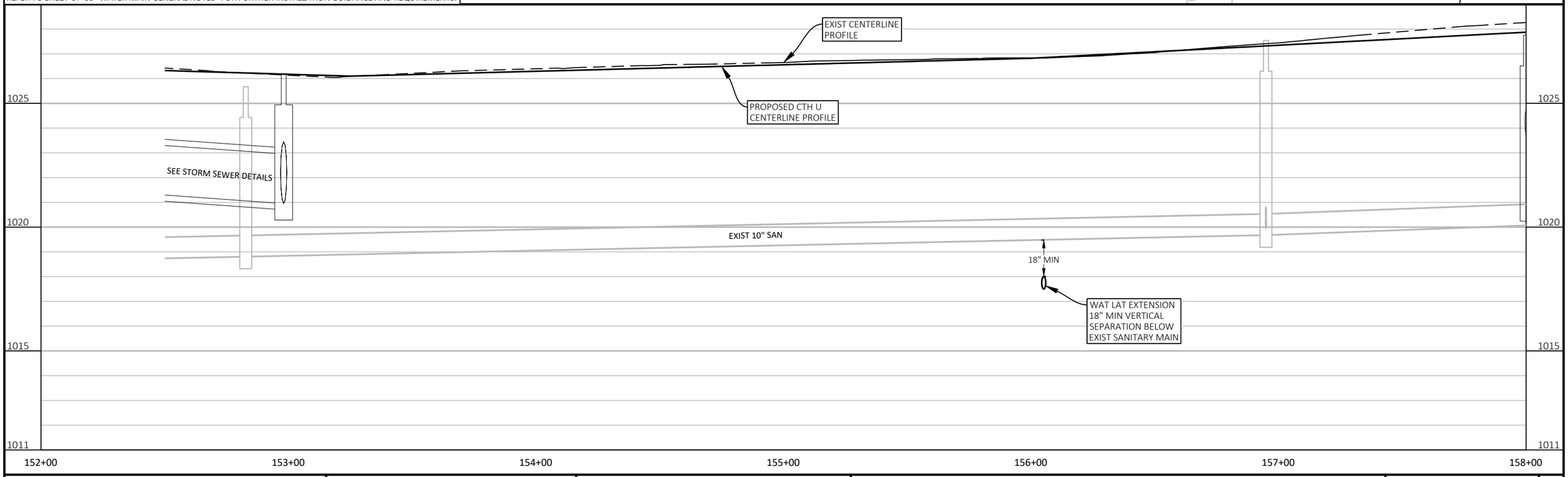
EXIST 12" WM TO REMAIN

WM PREVIOUSLY ABANDONED (2019) WisDOT 6934-06-71

CTH U

153+00 154+00 155+00 156+00 157+00 158+00

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U	SHEET 82	E

2400029
APER, INC.

MATCH LINE STA 158+00

MATCH LINE STA 164+00

ABANDON EXIST 6" WM, TYP

REMOVE EXIST 6" VALVES (2)

ISOLATE EXIST 6" WM AT STREAM CROSSING, FILL WITH SLURRY, CAP AT BOTH ENDS, AND ABANDON

11.25° BEND
END HORIZONTAL DIRECTIONAL DRILLING AND RESUME OPEN CUT INSTALLATION

CAP AND ABANDON EXIST SERVICE LATERAL

ADJUST WATER VALVE BOX

NEW 12" TEE

NEW 12 X 6" TEE

CTH U

159+00

160+00

161+00

162+00

163+00

STA: 160+83
CONNECT EXIST 12" WM INTO PROPOSED 12" TEE FITTING
VERIFY LOCATION AND DEPTH IN FIELD

STA 162+28, 9.94' RT
12" VALVE
CTH WV 2

HYD WV 1 STA 162+33, 13.40' RT
6" VALVE

HYD 1 STA 162+33.02, 21.31' RT
NEW HYDRANT

12 LF - 1" WAT LAT WITH CURB STOP

EXIST 12" WM TO REMAIN

STA 160+84.50, 20.14' RT
12 X 10" REDUCER
CTH REDUC 1

22.5° BEND (VERTICAL)
BEGIN HORIZONTAL DIRECTIONAL DRILLING

CONNECT REDUCER INTO EXIST 10" WM

CTH WV 1 STA 160+89, 15.31' RT
12" VALVE

PID 1

ND PA

PID 2

ND PA

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

PROPOSED CTH U CENTERLINE PROFILE

EXIST CENTERLINE PROFILE

6.5' MIN COVER FOR WM

EXIST 8" SAN CROSSING
TOP ELEV: 1022.25 ±
BOT ELEV: 1021.53 ±

EXIST 8" SAN

SEE STORM SEWER DETAILS

SEE STORM SEWER DETAILS

EXIST 10" SAN

EXIST 10" SAN

12" GATE VALVE

EXIST 12" WM

12 X 12" TEE

6 LF - 12" WM C900

12", 22.50° BEND
BEGIN HORIZONTAL DIRECTIONAL DRILLING

APPROX. LOCATION OF BOTTOM OF TWIN CULVERT AT STREAM CROSSING

18" MIN

4.00' MIN. DEPTH BELOW STREAM

100 LF - 12" WM HDPE

18" MIN

12" GATE VALVE

18" MIN

317 LF - 12" WM C900

12 X 6" TEE
HYDRANT LATERAL

37 LF - 12" WM C900

12", 11.25° BEND
END HORIZONTAL DIRECTIONAL DRILLING AND RESUME OPEN CUT INSTALLATION

1025

1020

1015

1010

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U	SHEET 83 E

FILE NAME : N:\3001265.00\CIVIL 3D_VILLAGE WATERMAIN\SHEETSPLAN\PRO WM_WITHIN VILLAGE\3001265-3001596 - CTH U VILLAGE WM-UTILITY PLAN.DWG
LAYOUT NAME - 023001-up-04-CTH U
PLOT DATE : 6/25/2025 11:09 AM PLOT BY : MAKAYLA ERDMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE STA 164+00

MATCH LINE STA 170+00

ABANDON EXIST 6" WM, TYP

12", 45° BENDS (2)

REMOVE EXIST HYDRANT, AUX. VALVE, AND LATERAL CAP EXIST TEE FITTING AND ABANDON 6" WM

HYD 2 STA 165+84.44, 23.09' **LT** NEW HYDRANT

MAINTAIN 0.5' DEPTH MIN. ABOVE SANITARY CROSSING

HYD WV 2 STA 165+84, 10.96' **LT** 6" VALVE

REMOVE EXIST HYDRANT, AUX. VALVE, AND LATERAL CAP EXIST TEE FITTING AND ABANDON 6" WM

12", 22.5° BEND

NEW 12 X 6" TEE

CTH WV 3 STA 165+80, 3.01' **LT** 12" VALVE

CTH U

BEAVER ST

PID 240029

ND PAPER, INC.

PID 240019

ND PAPER, INC

+00 165+00 166+00 167+00 168+00 169+00 170+00

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

PROPOSED CTH U CENTERLINE PROFILE

EXIST CENTERLINE PROFILE

EXIST 8" SAN

SEE STORM SEWER DETAILS

PROPOSED 15" SS CROSSING
TOP ELEV: 1021.21 ±
BOT ELEV: 1019.58 ±

12" GATE VALVE

6.5' MIN COVER FOR WM

PROPOSED 12" SS CROSSING
TOP ELEV: 1023.67 ±
BOT ELEV: 1022.34 ±

SEE STORM SEWER DETAILS

PROPOSED 12" SS CROSSING
TOP ELEV: 1023.09 ±
BOT ELEV: 1021.76 ±

18" MIN

6" MIN

409 LF - 12" WM C900

12 X 6" TEE
HYDRANT LATERAL

EXIST 8" SAN

317 LF - 12" WM C900

18 LF - 12" WM C900

12", 45° BEND

18 LF - 12" WM C900

12", 45° BEND

EXIST 12" SAN

12", 22.50° BEND

23 LF - 12" WM C900

1025 1020 1015 1012

164+00 165+00 166+00 167+00 168+00 169+00 170+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U	SHEET 84	E

FILE NAME : N:\3001265.00\CIVIL 3D_VILLAGE WATERMAIN\SHEETSPLAN\PRO WM_WITHIN VILLAGE\3001265-3001596 - CTH U VILLAGE WM-UTILITY PLAN.DWG
LAYOUT NAME - 023001-up-05-CTH U

PLOT DATE : 6/25/2025 11:09 AM PLOT BY : MAKAYLA ERDMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE STA 170+00

MATCH LINE STA 176+00

SEE "UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST CONNECTIONS" SHEET FOR PROPOSED LAYOUT OF CONNECTION TO ND PAPER MILL WM

12", 45° BENDS (2)

NEW 12 X 6" TEE

ABANDON EXIST 6" WM, TYP

APPROX. LOCATION OF EXIST 6" SAN FOR ND PAPER MILL WOODROOM FROM EXIST ALLEY SAN MH

BASED ON PIPE "P-B-140" FROM MAP# 6C-11347-200 "UNDERGROUND UTILITY MAPPING" PROVIDED BY ND PAPER MILL

APPROX. 5-7' DEPTH IN TRENCH WITH EXIST 1" WAT SERVICE LATERAL

REMOVE EXIST HYDRANT, AUX. VALVE, AND LATERAL CAP EXIST TEE FITTING AND ABANDON 6" WM

CONTRACTOR TO VERIFY WITH MILL OWNER IF SERVICE TO ND PAPER MILL IS TO BE ABANDONED OR REMAIN ACTIVE BEFORE CONNECTING TO NEW WM

PROVIDE SCHEMATIC LAYOUT OF NEW WM AND SERVICE CONFIGURATION TO THE VILLAGE FOR APPROVAL PRIOR TO INSTALLATION AND/OR ABANDONMENT

CONNECT TO EXIST 1" SERVICE LATERAL

171+00 CTH U 172+00 173+00 174+00 175+00 CTH U 176

CTH WV 4 STA 170+80, 12.01' **RT** 12" VALVE

HYD WV 3 STA 170+75, 14.52' **RT** 6" VALVE

HYD 3 STA 170+74.35, 22.50' **RT** NEW HYDRANT

NEW 12 X 8" TEE

NEW 12 X 10" TEE

34 LF - 1" WAT LAT WITH CURB STOP

STA 174+67, 12.09' **RT** 12" VALVE CTH WV 5

NEW 12 X 6" TEE

12", 45° BENDS (2)

STA 174+62, 16.13' **RT** 6" VALVE HYD WV 4

STA 174+62.02, 21.86' **RT** NEW HYDRANT HYD 4

APPROX. LOCATION OF 1" SERVICE LATERAL FOR ND PAPER MILL WOODROOM FROM EXIST ALLEY WM

BASED ON PIPE "P-B-139" FROM MAP# 6C-11347-200 "UNDERGROUND UTILITY MAPPING" PROVIDED BY ND PAPER MILL

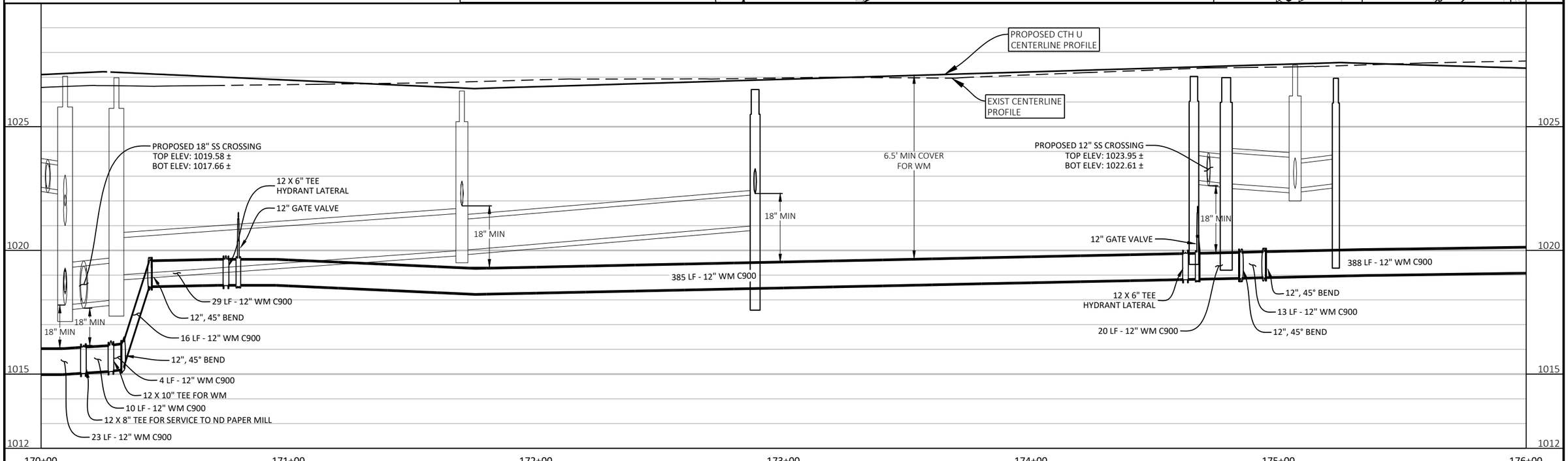
PID 2400184 ND PAPER, INC

ABANDON EXIST SERVICE LINE AT CONNECTION TO EXIST ALLEY WM

OTTER ST

PID 24001 ND PAPER

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U	SHEET 85	E

2

MATCH LINE STA 176+00

MATCH LINE STA 181+00

177+00

178+00

179+00

180+00

CTH U

STA 178+86.44, 21.40' RT
NEW HYDRANT
HYD 5

6", 90° BEND
MAINTAIN 2' CLEARANCE FROM FACE OF CURB TO EDGE OF HYDRANT

STA 178+83, 23.09' RT
6" VALVE
HYD WV 5

NEW 12 X 6" TEE

STA 178+88, 25.31' RT
12" VALVE
CTH WV 6

18 LF - 1" WAT LAT WITH CURB STOP

18 LF - 1" WAT LAT WITH CURB STOP

INSTALLATION DEPENDENT ON LAND ACQUISITION BY VILLAGE
CONTRACTOR TO VERIFY PLACEMENT WITH VILLAGE PRIOR TO INSTALLATION

BEAR ST

PID 2400126
ND PAPER, INC.

PID 2400125
ND PAPER, INC.

PID 2400142
ND PAPER, INC.

PID 2400141
ND PAPER, INC.

PID
TRISHA

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

1030

1025

1020

1015

EXIST PROFILE ABOVE WATER MAIN

PROPOSED PROFILE ABOVE WATER MAIN

PROPOSED 18" SS CROSSING
TOP ELEV: 1025.59 ±
BOT ELEV: 1023.67 ±

18" MIN

PROPOSED 30" SS CROSSING
TOP ELEV: 1026.70 ±
BOT ELEV: 1024.58 ±

18" MIN

6.5' MIN COVER FOR WM

12" GATE VALVE

388 LF - 12" WM C900

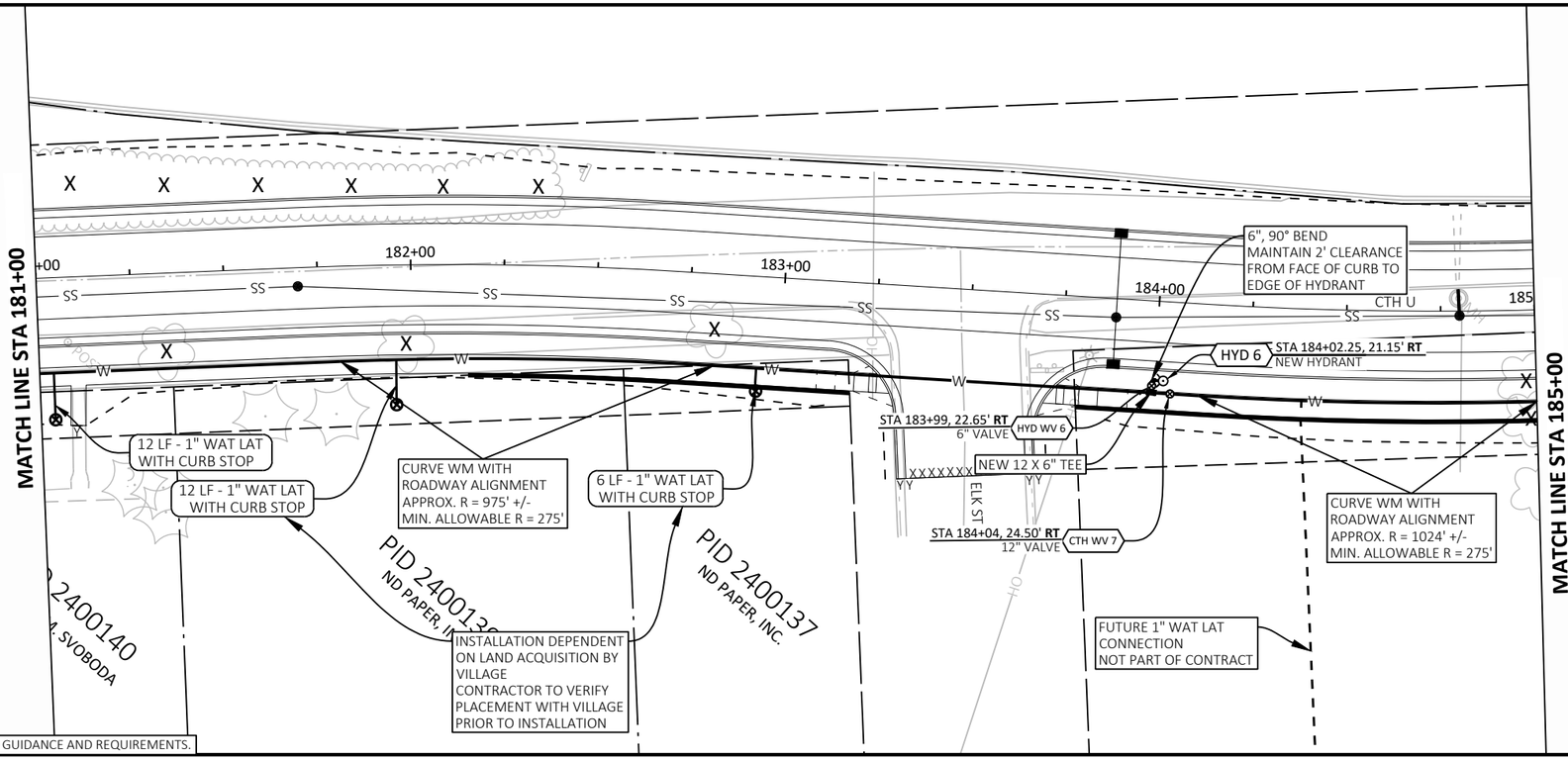
511 LF - 12" WM C900

12 X 6" TEE
HYDRANT LATERAL

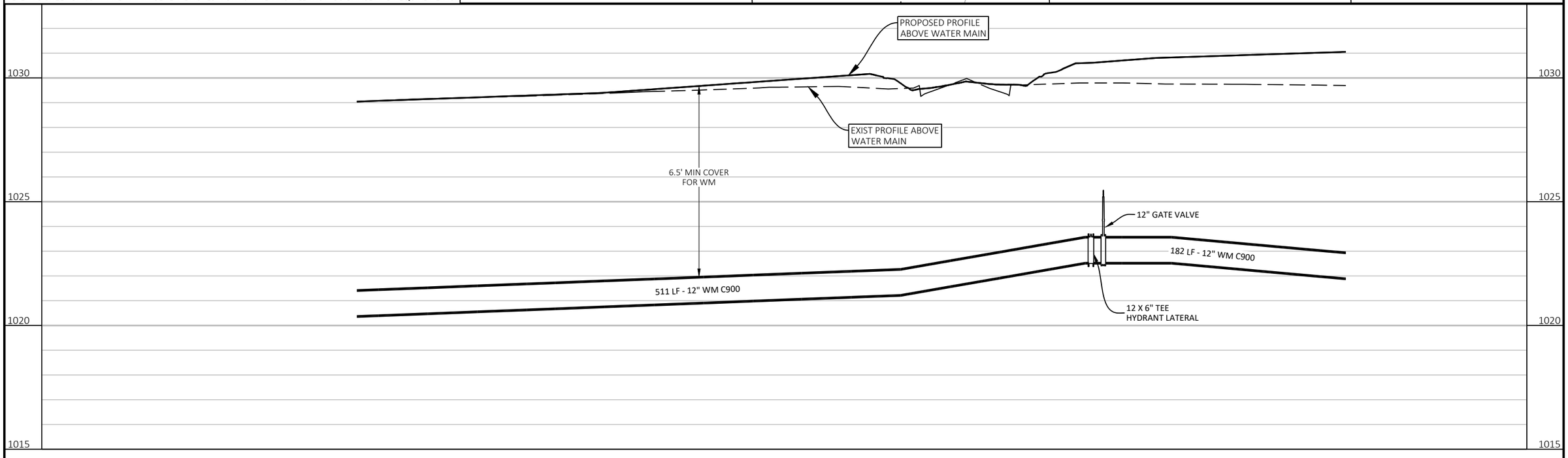
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U (WM ALIGNMENT)	SHEET 86	E

FILE NAME : N:\3001265.00\CIVIL 3D_VILLAGE WATERMAIN\SHEETSPLAN\PRO WM_WITHIN VILLAGE\3001265-3001596 - CTH U VILLAGE WM-UTILITY PLAN.DWG
LAYOUT NAME - 023001-up-07-CTH U Off Rd
PLOT DATE : 10/31/2025 9:30 PM PLOT BY : MAKAYLA ERDMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U (WM ALIGNMENT)	SHEET 87	E

2

MATCH LINE STA 185+00

+00 186+00 187+00 188+00 CTH U 189+00 190+00 191+00

N

STA: 186+67, 60.48' RT
START OF PIPE CURVATURE

12", 22.5°
BEND

CONSOLIDATED WATER POWER COMPANY
PID 2400149

STA: 187+91, 81.07' RT
INFLECTION POINT

MIN. ALLOWABLE
BENDING R = 275'

MIN. ALLOWABLE
BENDING R = 275'

STA: 189+09, 99.52' RT
END OF PIPE CURVATURE

FOX ST

NORMA R TRINIDAD
PID 2400175

12", 22.5°
BEND

FX WV 1 STA 189+37, 112.92' **RT**
12" VALVE

NEW 12" TEE

FX REDUC 1 STA 189+44.15, 119.86' RT
12 X 6" REDUCER

61+00

6", 45°
BENDS (2)

INSULATION OVER WM (SHADED)
MIN. 2" THICKNESS

ADJUST WATER
VALVE BOX

FUTURE 1" WAT LAT
CONNECTIONS
NOT PART OF CONTRACT

SEE "UTILITY PLAN - WATER MAIN PLAN
& PROFILE: FOX ST ALLEY CONNECTION"
SHEET FOR CONFIGURATION OF
CONNECTION TO EXIST FOX ST WM

APPROX. LOCATION
OF PROPERTY LINES
FROM COUNTY GIS

BRACE POWER POLE AND
REMOVE EXIST HYDRANT, AUX.
VALVE, AND LATERAL

EXIST 6" WM CROSS
CONNECTION THROUGH
SS MH TO BE ABANDONED

STA: 189+60, 131.17' RT
CONNECT 45° BEND INTO EXIST 6" WM
VERIFY LOCATION AND DEPTH IN FIELD
MAINTAIN 1.5' DEPTH BENEATH AND 0.5' DEPTH ABOVE
EXISTING SANITARY AND STORM WHERE APPLICABLE

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

2

1030
1025
1020
1015

PROPOSED PROFILE
ABOVE WATER MAIN

EXIST PROFILE ABOVE
WATER MAIN

6.5' MIN COVER
FOR WM

182 LF - 12" WM C900

12", 22.50° BEND

365 LF - 12" WM C900

INSULATION OVER WM
MIN. 2" THICKNESS

CAUTION EXISTING ASBESTOS
CEMENT PIPE

6", 45° BEND

EXIST 12" SS CROSSING
TOP ELEV: 1025.54 ±
BOT ELEV: 1024.53 ±

EXIST 6" WM
VERIFY DEPTH IN FIELD

12" GATE VALVE

12", 22.5° BEND

18" MIN

3 LF - 6" WM C900

6", 45° BEND

16 LF - 6" WM C900

9 LF - 12" WM C900

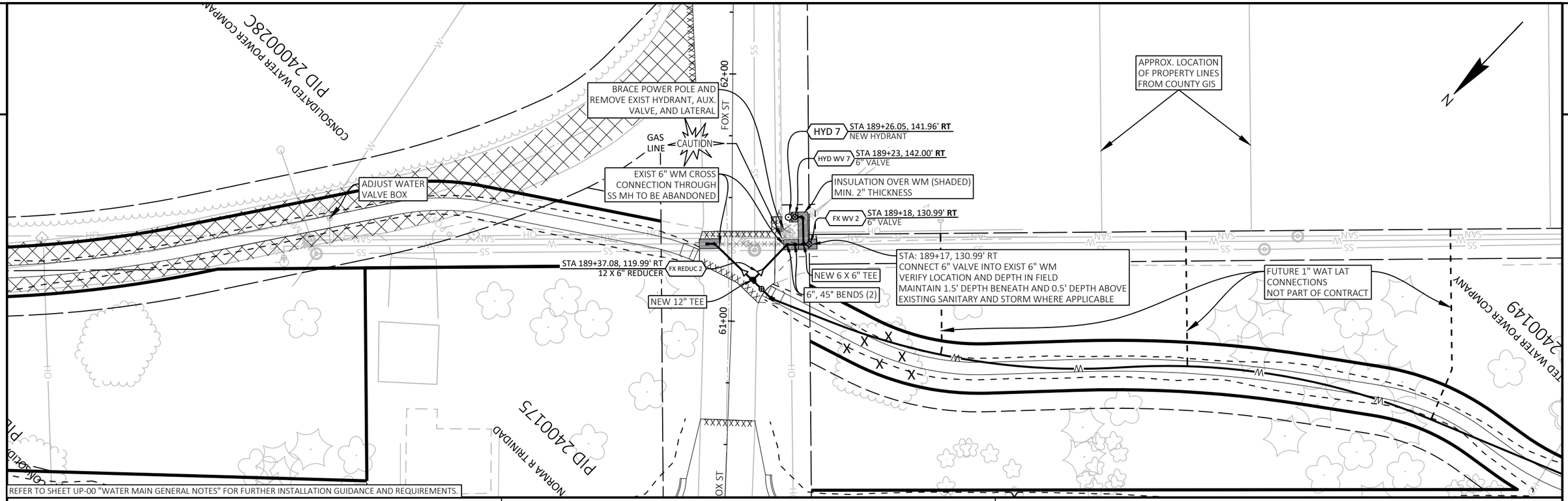
12 X 6" REDUCER

4 LF - 12" WM C900

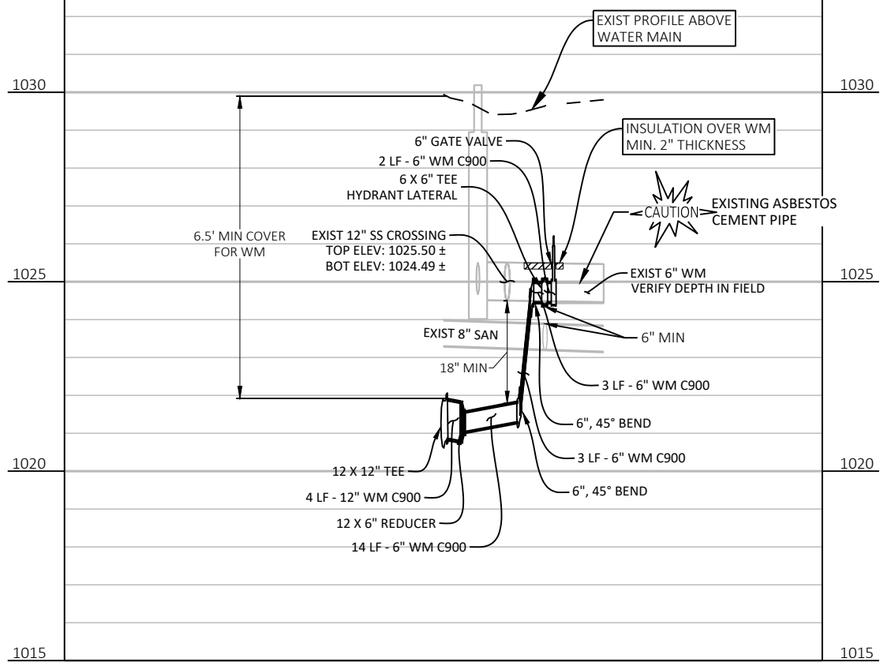
12 X 12" TEE

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U (WM ALIGNMENT)	SHEET 88	E

2



REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: FOX ST ALLEY CONNECTION	SHEET 89	E

2

SEE "UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST CONNECTIONS" SHEET FOR PROPOSED LAYOUT OF CONNECTION INTO EXIST WEST ALLEY WM

EXISTING ASBESTOS CEMENT PIPE CAUTION

6", 22.5° BENDS (2)

6", 11.25° BEND

NEW 12 X 10" TEE

STA 24+92, 1.33' LT 8" VALVE MILL WV

BA WV 1 STA 25+07, 9.31' LT 10" VALVE

ALLEY WV 1 STA 26+57, 23.22' LT 6" VALVE

REMOVE EXIST 6" VALVES (2)

NEW 10 X 6" TEE

BADGER ST

INSULATION OVER WM (SHADED) MIN. 2" THICKNESS

NEW 10 X 6" TEE

10", 45° BENDS (2)

STA 27+73, 4.77' RT 6" VALVE HYD WV 8

STA 27+72.77, 16.68' RT NEW HYDRANT HYD 8

ABANDON EXIST 6" WM, TYP

SEE "UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST CONNECTIONS" SHEET FOR PROPOSED LAYOUT OF CONNECTION TO ND PAPER MILL WM

10", 11.25° BEND

REMOVE EXIST HYDRANT, AUX. VALVE, AND LATERAL CAP EXIST TEE FITTING AND ABANDON 6" WM

STA 28+13, 1.34' RT 10" VALVE BA WV 3

NEW 10 X 10" TEE

STA 27+78, 1.00' RT 10" VALVE BA WV 2

CENTER ST

EXIST 6" WM AND 4" SPRINKLER LINE CROSS CONNECTIONS THROUGH SS MH TO BE ABANDONED

EXIST 6" WM AND 4" SPRINKLER LINE CROSS CONNECTIONS THROUGH SS MH TO BE ABANDONED

CAUTION EXISTING ASBESTOS CEMENT PIPE

APPROX. LOCATION OF PROPERTY LINE FROM COUNTY GIS

VERIFY LOCATION AND DEPTH OF EXIST 4" SERVICE LATERAL #1 IN FIELD -- HISTORICAL MAPS UNCLEAR IF EXIST SERVICE #1 CONNECTS TO BADGER ST OR CENTER ST WM

INSTALL NEW 4" SERVICE LATERAL TO NEW WM INCLUDING CURB STOP VALVE AND NECESSARY FITTINGS

SEE "UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST CONNECTIONS" SHEET FOR PROPOSED LAYOUT OF CONNECTION INTO EXIST EAST ALLEY WM

EXISTING ASBESTOS CEMENT PIPE CAUTION

STA 29+65, 28.86' LT 6" VALVE ALLEY WV 2

STA 29+58.77, 11.48' LT 10 X 6" REDUCER BA REDUC 1

INSULATION OVER WM (SHADED) MIN. 2" THICKNESS

6", 45° BENDS (2)

REMOVE EXIST 6" VALVE

NEW 10 X 4" TEE

10", 22.5° BEND

10", 45° BEND

NEW 4" CURB STOP VALVE

4", 22.5° BEND

4", 11.25° BEND

CONNECT INTO EXIST 4" SERVICE LATERAL #1 FOR SCHOOL

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

PROPOSED BADGER ST CENTERLINE PROFILE

EXIST CENTERLINE PROFILE

PROPOSED 15" SS CROSSING
TOP ELEV: 1023.28 ±
BOT ELEV: 1021.65 ±

SEE STORM SEWER DETAILS

18" MIN

EXIST 12" PIPE

10" GATE VALVE

12 X 10" TEE FOR WM

10 LF - 10" WM C900

10", 11.25° BEND

135 LF - 10" WM C900

18" MIN (12" PIPE FROM NE AND 6" PIPE FROM SE)

10", 45° BEND

1 LF - 10" WM C900

10", 45° BEND

9 LF - 10" WM C900

10 X 6" TEE

115 LF - 10" WM C900

EXIST 6" SS CROSSING
TOP ELEV: 1023.23 ±
BOT ELEV: 1022.72 ±

6.5' MIN COVER FOR WM

INSULATION OVER WM MIN. 2" THICKNESS

10" GATE VALVE

10 X 6" TEE HYDRANT LATERAL

EXIST 8" SAN

33 LF - 10" WM C900

10 X 10" TEE

10" GATE VALVE

18" MIN

6" MIN

EXIST 12" PIPE

139 LF - 10" WM C900

EXIST 8" SAN

EXIST 8" SAN CROSSING
TOP ELEV: 1018.73 ±
BOT ELEV: 1018.02 ±

10", 45° BEND

SEE "UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST CONNECTIONS" SHEET FOR PROPOSED LAYOUT OF CONNECTION INTO EXIST EAST ALLEY WM

1025 1020 1015 1012

24+00 25+00 26+00 27+00 28+00 29+00 30+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST	SHEET 90	E

FILE NAME : N:\3001265.00\CIVIL 3D_VILLAGE WATERMAIN\SHEETSPLAN\PRO WM_WITHIN VILLAGE\3001265-3001596 - CTH U VILLAGE WM-UTILITY PLAN.DWG
LAYOUT NAME - 023001-up-11-Badger St
PLOT DATE : 10/22/2025 2:13 PM PLOT BY : MAKAYLA ERDMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STA: 170+12, 40.07' LT
CONTRACTOR TO COORDINATE TEMPORARY WATER SHUTOFF WITH ND PAPER MILL FOR 8" WATER SERVICE LINE REPLACEMENT

VERIFY LOCATION AND DEPTH IN FIELD

REFER TO "UTILITY PLAN - WATER MAIN GENERAL NOTES" SHEET FOR FURTHER INFORMATION

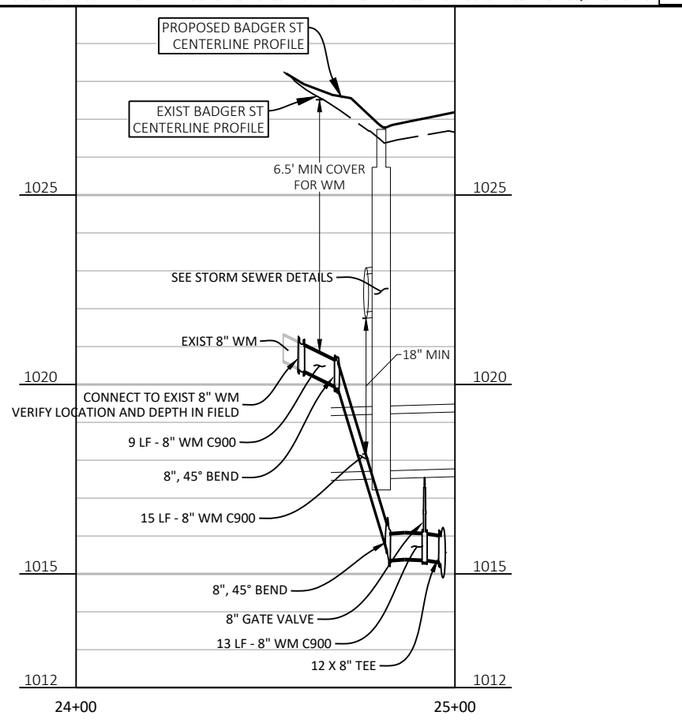
STA 24+92, 1.33' LT
8" VALVE
MILL WV
8", 45° BENDS (2)
MAINTAIN 1.5' DEPTH MIN. BELOW STORM CROSSING
REMOVE EXIST 6" AND 8" VALVES AND ABANDON EXIST 8" WM, TYP
NEW 12 X 8" TEE

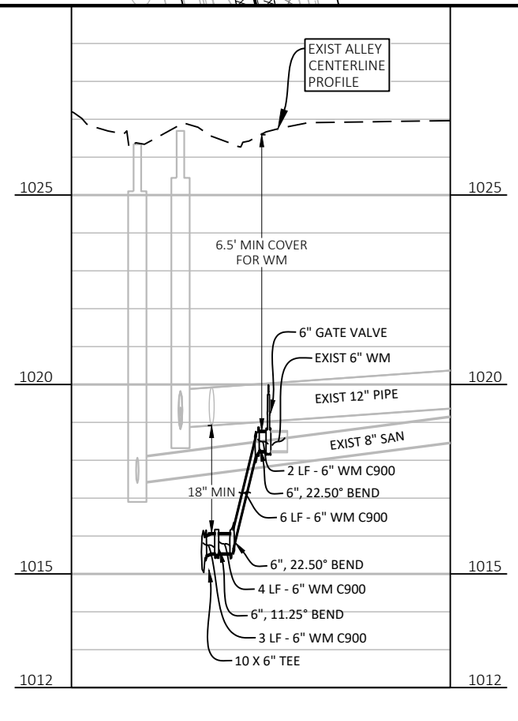
EXISTING ASBESTOS CEMENT PIPE
CAUTION
6", 11.25° BEND
BADGER ST - STA: 26+57, 23.30' LT
CONNECT PROPOSED 6" VALVE INTO EXIST 6" WM
VERIFY LOCATION AND DEPTH IN FIELD
NEW 10 X 6" TEE
ALLEY WV 1
STA 26+57, 23.22' LT
6" VALVE
6", 22.5° BENDS (2)
REMOVE EXIST 6" VALVES (2)
ABANDON EXIST 6" WM, TYP

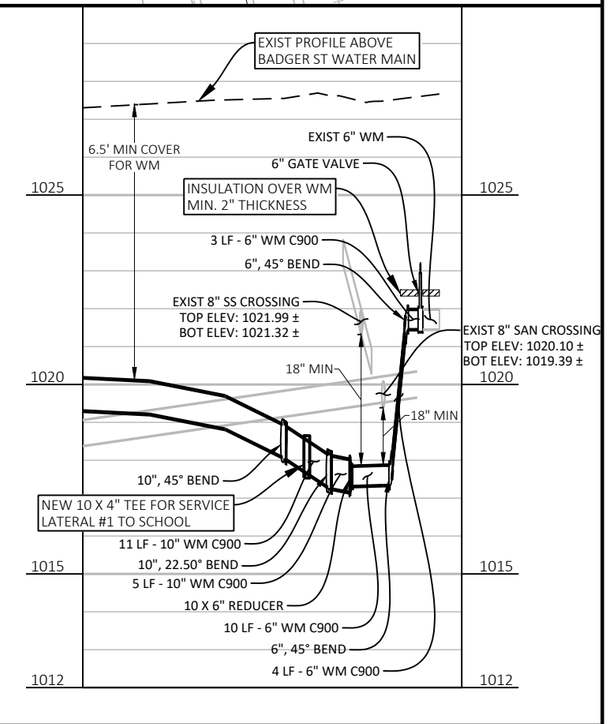
APPROX. LOCATION OF PROPERTY LINE FROM COUNTY GIS
10", 45° BEND
EXISTING ASBESTOS CEMENT PIPE
CAUTION
10", 22.5° BEND
ABANDON EXIST 6" WM, TYP
BADGER ST - STA: 29+65, 29.46' LT
CONNECT PROPOSED 6" VALVE INTO EXIST 6" WM
VERIFY LOCATION AND DEPTH IN FIELD
NEW 10 X 4" TEE
NEW 4" CURB STOP VALVE
4", 22.5° BEND
4", 11.25° BEND
INSULATION OVER WM (SHADED) MIN. 2" THICKNESS
STA 29+58.77, 11.48' LT
10 X 6" REDUCER
BA REDUC 1
ALLEY WV 2
STA 29+65, 28.86' LT
6" VALVE
REMOVE EXIST 6" VALVE
6", 45° BENDS (2)
VERIFY LOCATION AND DEPTH OF EXIST 4" SERVICE LATERAL #1 IN FIELD -- HISTORICAL MAPS UNCLEAR IF EXIST SERVICE #1 CONNECTS TO BADGER ST OR CENTER ST WM

INSTALL NEW 4" SERVICE LATERAL TO NEW WM INCLUDING CURB STOP VALVE AND NECESSARY FITTINGS

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



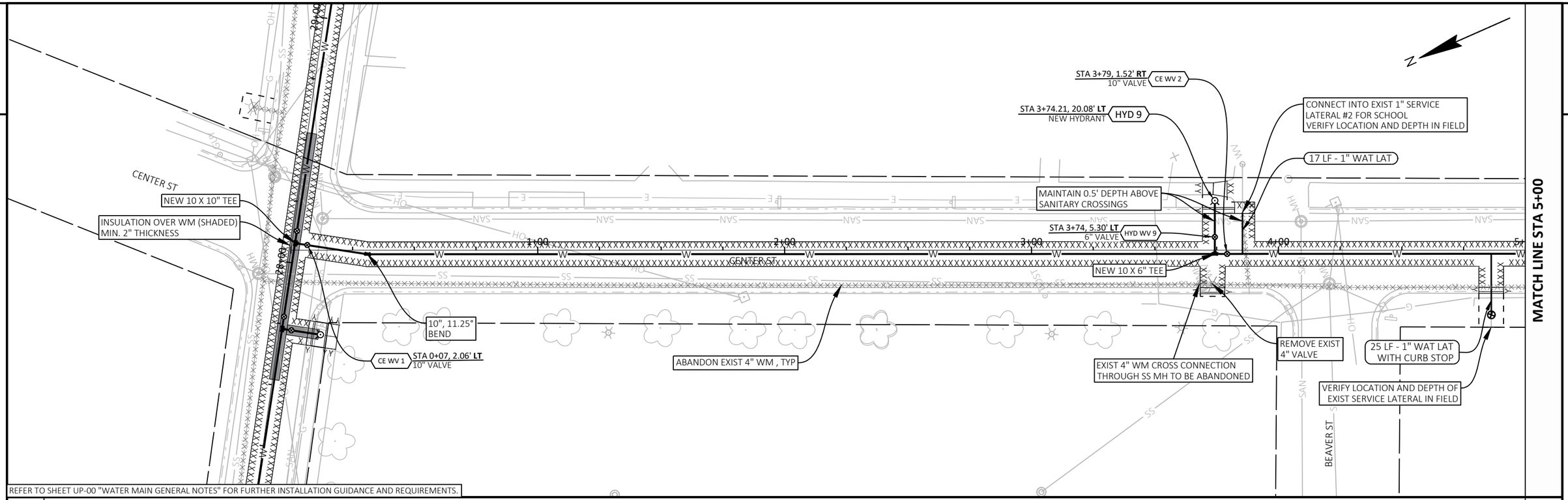




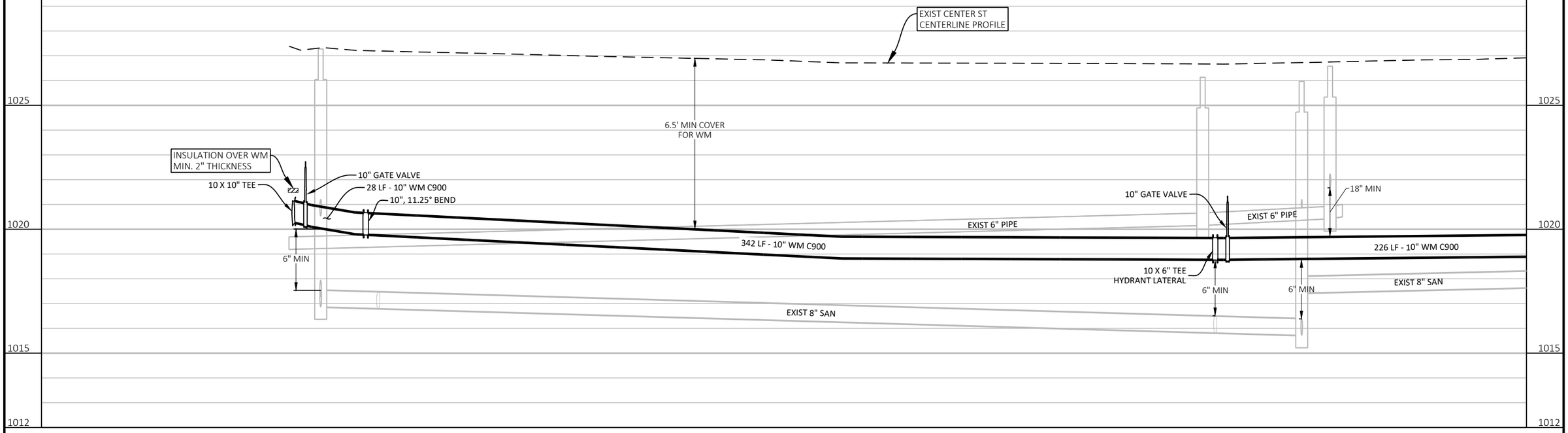
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: BADGER ST CONNECTIONS	SHEET 91	E

FILE NAME : N:\3001265.00\CIVIL 3D_VILLAGE WATERMAIN\SHEETSPLAN\PRO WM_WITHIN VILLAGE\3001265-3001596 - CTH U VILLAGE WM-UTILITY PLAN.DWG
LAYOUT NAME - 023001-up-12-Badger St Conn
PLOT DATE : 6/25/2025 11:10 AM PLOT BY : MAKAYLA ERDMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

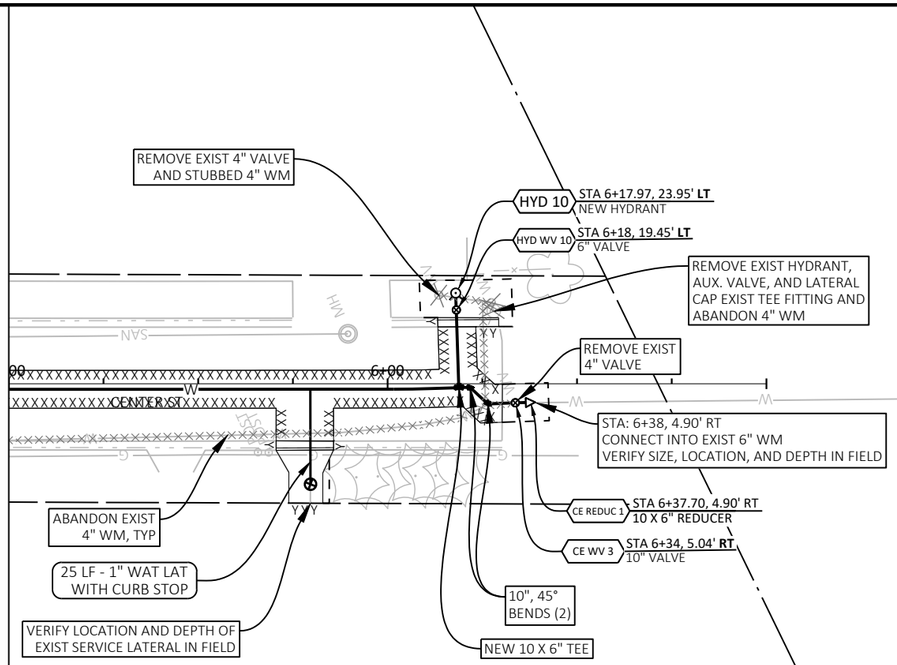


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CENTER ST	SHEET 92	E

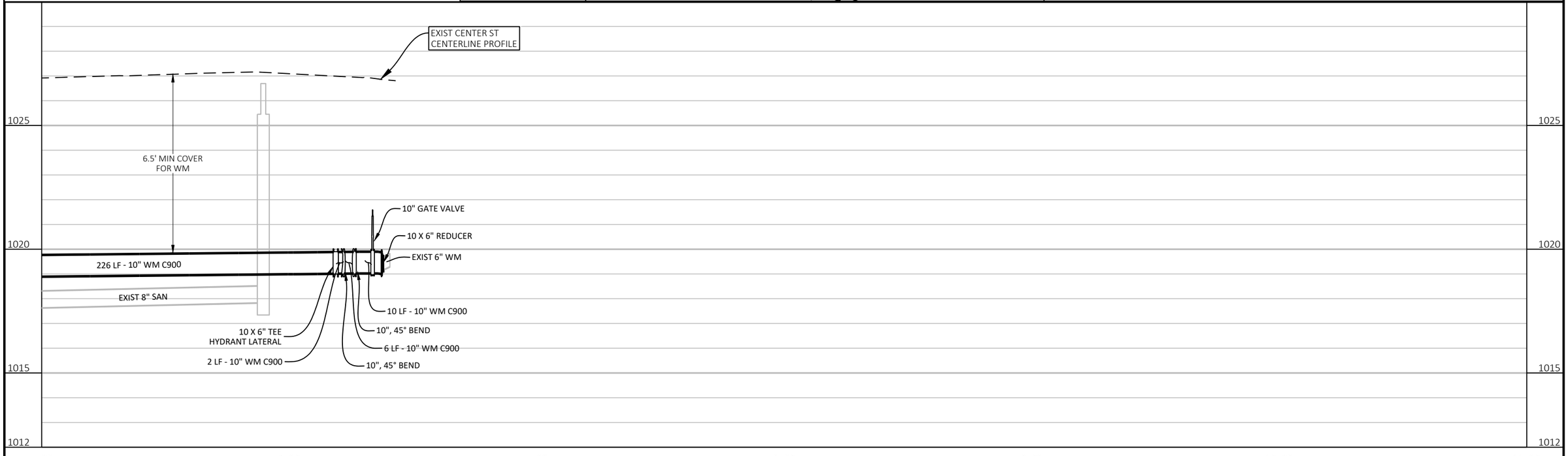
FILE NAME : N:\3001265.00\CIVIL 3D_VILLAGE WATERMAIN\SHEETSPLAN\PRO WM_WITHIN VILLAGE\3001265-3001596 - CTH U VILLAGE WM-UTILITY PLAN.DWG
LAYOUT NAME - 023001-up-13-Center St
PLOT DATE : 10/22/2025 2:21 PM PLOT BY : MAKAYLA ERDMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE STA 5+00



REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CENTER ST	SHEET 93	E

2

N

PC: 252+78.61

253+00

254+00

255+00

256+00

257+00

258+00

PT: 258+56.79

MATCH LINE STA 259+00

PID 2400543
SHANE A & CHRISTINE A HOFFMAN

PID 2400544
CHARLOTTE A & PHILIP L ARENDT

PID 2400543A

PID 2400018A
BARRY M. LAVIOLETTE &
WANDA M. LAVIOLETTE

PID 2400046B
CHRISTINE A HOFFMAN
R. FORSTNER, AS TEN

PID 2400018B
CHARLOTTE A

CUT, FILL WITH SLURRY, CAP, AND ABANDON EXIST WM
IF CONFLICTS WITH RETAINING WALL CONSTRUCTION OCCUR, REMOVE EXIST WM WHERE NECESSARY

HYDRANT 12-INCH VERTICAL EXTENSION

ADJUST WATER VALVE BOX

EXIST 8" WM TO REMAIN

PEDESTRIAN RAILING

RETAINING WALL

3' MIN. SEPARATION

3' MIN. SEPARATION

EXIST 8" WM TO REMAIN

STA: 255+06, 31.63' RT
CONNECT TO EXIST 8" WM
VERIFY LOCATION AND DEPTH IN FIELD

CURVE WM WITH ROADWAY ALIGNMENT
MIN. ALLOWABLE R = 189'

8", 45° BENDS (2)

STA: 256+36, 25.30' RT
CONNECT TO EXIST 8" WM
VERIFY LOCATION AND DEPTH IN FIELD

REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

1040

1035

1030

1025

PROPOSED PROFILE ABOVE WATER MAIN

EXIST PROFILE ABOVE WATER MAIN

6.5' MIN COVER FOR WM

CONNECT TO EXIST 8" WM
VERIFY LOCATION AND DEPTH IN FIELD

122 LF - 8" WM C900

4 LF - 8" WM C900

CONNECT TO EXIST 8" WM
VERIFY LOCATION AND DEPTH IN FIELD

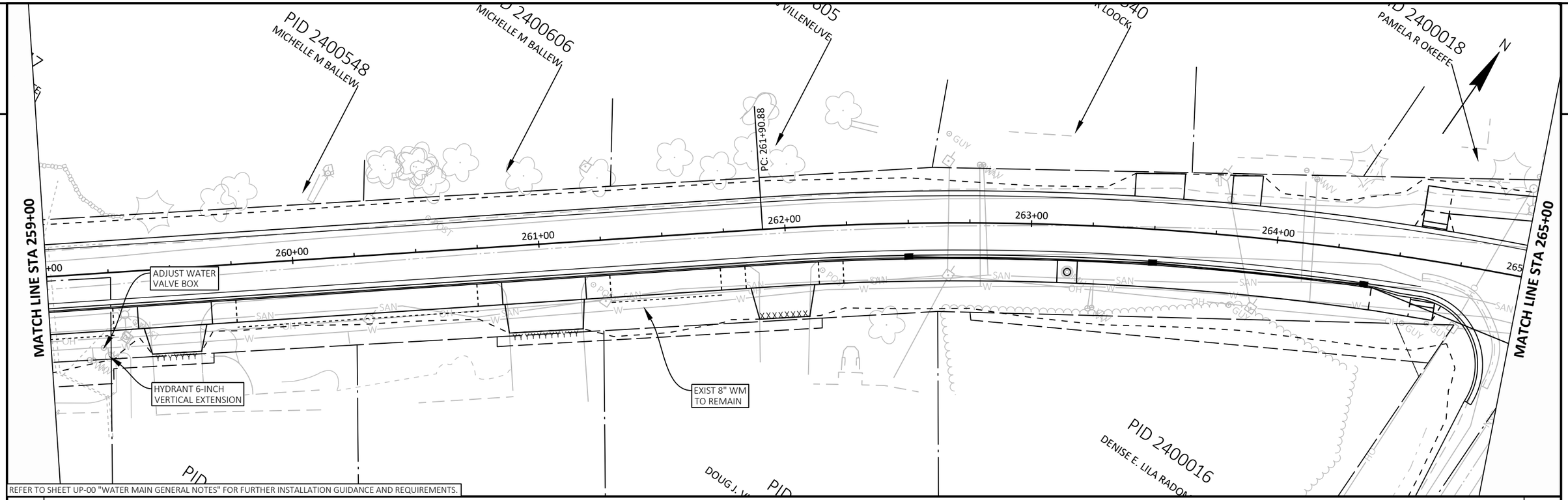
8", 45° BEND

8 LF - 8" WM C900

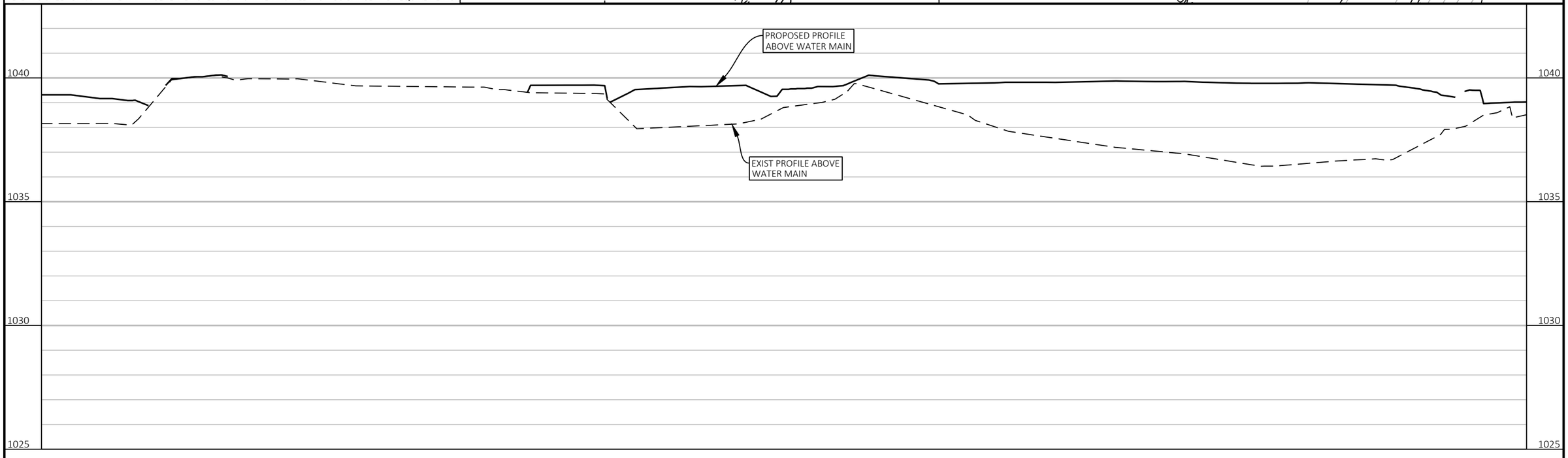
8", 45° BEND

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U (WM ALIGNMENT) EAST END	SHEET 94	E

2

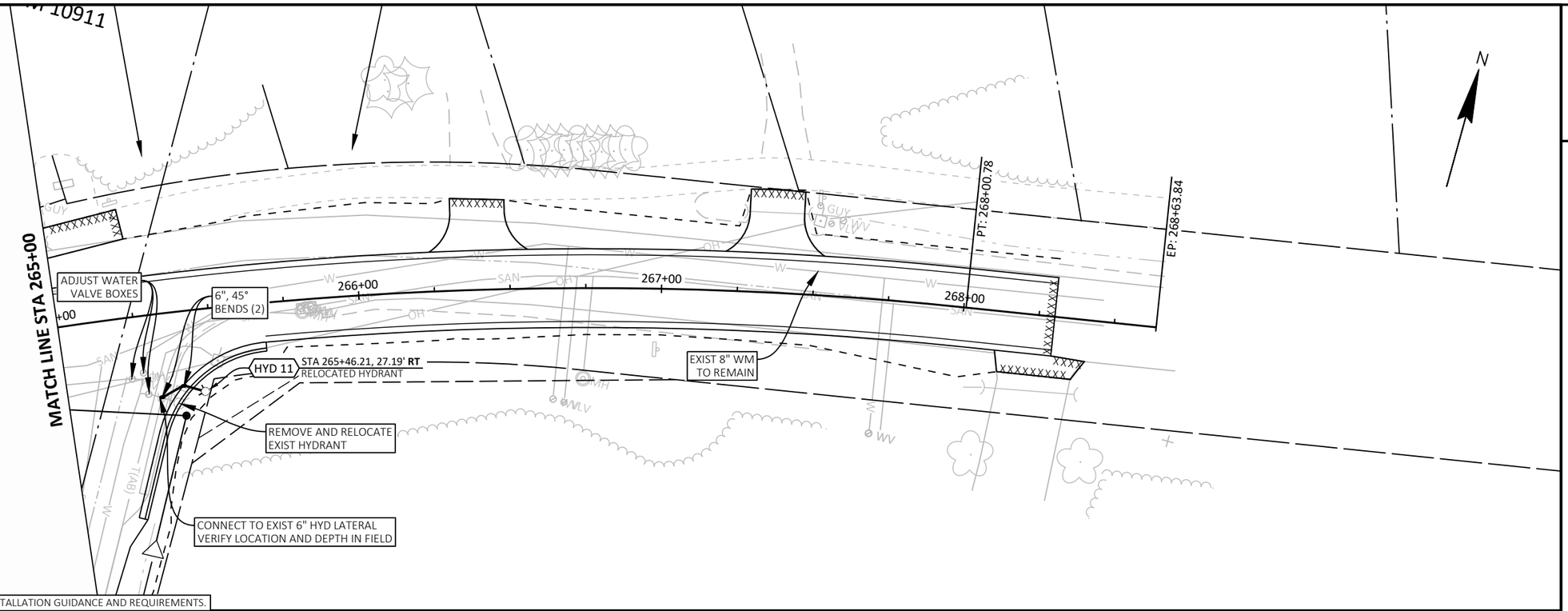


REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.

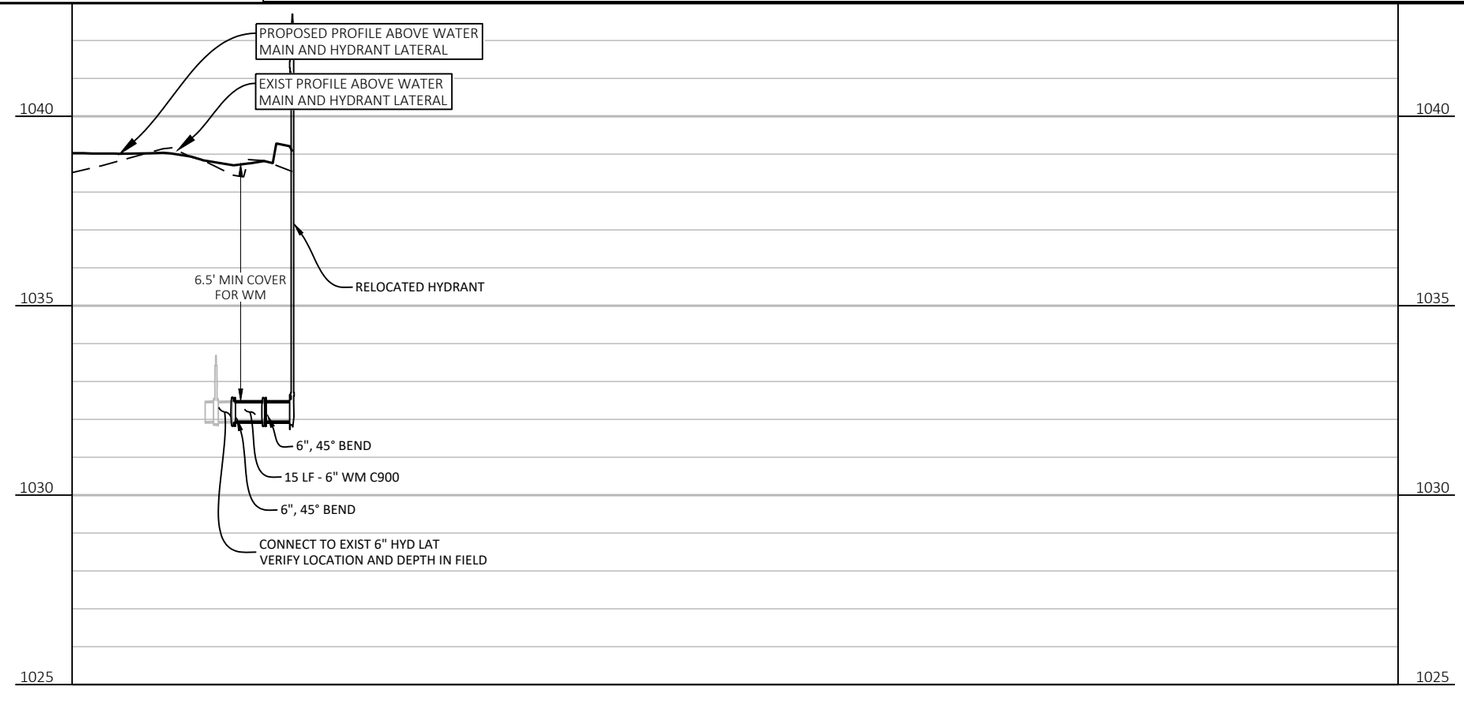


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U (WM ALIGNMENT) EAST END	SHEET 95	E

2



REFER TO SHEET UP-00 "WATER MAIN GENERAL NOTES" FOR FURTHER INSTALLATION GUIDANCE AND REQUIREMENTS.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	UTILITY PLAN - WATER MAIN PLAN & PROFILE: CTH U (WM ALIGNMENT) EAST END	SHEET 96	E

2

S BIRON DR

N

150+00 151+00 152+00 153

CTH U

MATCH LINE STA 153+00

R101

STOP

R102

PE

STOP

102

101

R1-1
30"x30"

W1-2R
36"X36"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

PE

N

154+00 155+00 156+00 157+00 158+00 159

CTH U

MATCH LINE STA 153+00

MATCH LINE STA 159+00

EXISTING SIGN
TO REMAIN

PE

2

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 97	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023201-ps

PLOT DATE : 10/22/2025 11:37 AM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 159+00

MATCH LINE STA 165+00

MATCH LINE STA 165+00

MATCH LINE STA 171+00

CTH U

160+00

161+00

162+00

163+00

164+00

165

166+00

167+00

168+00

169+00

170+00

171

BP: 11+00.00

PI: 25+00.00

PI: 26+00.00

BEAVER ST

BADGER ST

PE

PE

PE

PE

PE

N

N

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

103 SPEED LIMIT 25 R2-1 24"X30"

R103 SPEED LIMIT 25

104 S1-1 36"X36"

105 AHEAD W16-9P 24"X12"

EXISTING SIGN TO REMAIN SPEED LIMIT 25

R104 NO PARKING THIS SIDE OF STREET

106 S1-1 36"X36"

107 W16-7L 24"X12"

110 NO PARKING ANY TIME R7-1R 18"X24"

111 W11-2 30"X30"

R105

112 NO PARKING R8-3a 24"X30"

113 S1-1 36"X36"

114 AHEAD W16-9P 24"X12"

115 NO PARKING ANY TIME R7-1L 18"X24"

R106 NO PARKING THIS SIDE OF STREET

108 S1-1 36"X36"

109 W16-7L 24"X12"

116 STOP R1-1 30"x30"

R107 STOP

117 NO PARKING ANY TIME R7-1R 18"X24"

R108 NO PARKING THIS SIDE OF STREET

121 NO PARKING R8-3a 24"X30"

122 NO PARKING ANY TIME R7-1L 18"X24"

123A S1-1 36"X36"

123B W16-7L 24"X12"

123 NO PARKING ANY TIME R7-1R 18"X24"

R112 NO PARKING ANY TIME

R109 STOP

118 STOP R1-1 30"x30"

R110 PED XING

R111

119 S1-1 36"X36"

120 AHEAD W16-9P 24"X12"

122A S1-1 36"X36"

122B W16-7L 24"X12"

R113 STOP

124 STOP R1-1 30"x30"

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 98	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023202-ps

PLOT DATE : 10/22/2025 11:37 AM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 171+00

MATCH LINE STA 177+00

R114

R115

NO PARKING ANY TIME

125

S1-1
36"X36"

125A

AHEAD

W16-9P
24"X12"

126

NO PARKING

R8-3a
24"X30"

R116

NO PARKING ANY TIME

127

SPEED LIMIT 25

R2-1
24"X30"

R117

SPEED LIMIT 25

R118

NO PARKING ANY TIME

128

NO PARKING ANY TIME

R7-1L
18"X24"

ND PAPER
DO NOT
ENTER SIGN

IP

PE

+00

172+00

173+00

174+00

175+00

176+00

177

CTH U

BP: 30+00.00

NO PARKING THIS SIDE OF STREET

REMOVED BY OTHERS

OTTER ST

R120

SPEED LIMIT 25

R2-1
24"X30"

130

SPEED LIMIT 25

STOP

STOP

R1-1
30"x30"

129

R119

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R#### REMOVAL SIGN NUMBER

CWPCo
PROJECT
SIGN

PE

+00

178+00

179+00

180+00

181+00

182+00

183

CTH U

BEAR ST

STOP

131

R1-1
30"x30"

STOP

R121

HSE

MATCH LINE STA 183+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 99	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023203-ps

PLOT DATE : 12/1/2025 1:43 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 183+00

MATCH LINE STA 189+00

+00

184+00

185+00

186+00

CTH U

187+00

188+00

189

LK ST

STOP R122

STOP 132

R1-1
30"x30"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

MATCH LINE STA 189+00

MATCH LINE STA 195+00

+00

190+00

BP: 60+00.00

191+00

CTH U

192+00

193+00

194+00

195

FOX ST

STOP R123

STOP 133

R1-1
30"x30"

134

S1-1
36"X36"

AHEAD

W16-9P
24"X12"

135

STOP

136

R1-1
30"x30"

PROPOSED PARKING

STOP R124

2

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 100	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023204-ps

PLOT DATE : 12/8/2025 10:14 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

NOTE: SIGN POSTS IN ASPHALT WILL REQUIRE A BOX OUT OR CORE, INCIDENTAL TO SIGN POST

WISCONSIN RIVER

137 S1-1 36"X36"

138 W16-7L 24"X12"

138A W5-52L 12"X36"

R125

141 SPEED LIMIT 25 R2-1 24"X30"

R126 SPEED LIMIT 25

143 S1-1 36"X36"

144 AHEAD W16-9P 24"X12"

MATCH LINE STA 195+00

+00 196+00 197+00 198+00 CTH U 199+00 200+00 201

MATCH LINE STA 201+00

139 S1-1 36"X36"

140 W16-7L 24"X12"

142 SPEED LIMIT 35 R2-1 24"X30"

R127 SPEED LIMIT 35

M128 "ADOPT-A-HIGHWAY" MOVING SIGNS TYPE II

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

WISCONSIN RIVER

REDUCED SPEED AHEAD R129

145 SPEED LIMIT 25 W3-5 36"X36"

MATCH LINE STA 201+00

+00 202+00 203+00 204+00 CTH U 205+00 206+00 207

MATCH LINE STA 207+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 101	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023205-ps

PLOT DATE : 10/22/2025 1:25 PM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########

NOTE: SIGN POSTS IN ASPHALT WILL REQUIRE A BOX OUT OR CORE, INCIDENTAL TO SIGN POST

WISCONSIN RIVER

MATCH LINE STA 207+00

MATCH LINE STA 213+00

208+00 209+00 210+00 211+00 212+00

146 SPEED LIMIT 35 R2-1 24"X30"

R130 SPEED LIMIT 35

MARSH RD

STOP R131

147 STOP R1-1 30"x30"

171 SPEED LIMIT 35 R2-1 24"X30"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

WISCONSIN RIVER

MATCH LINE STA 219+00

214+00 215+00 216+00 217+00 218+00

PE

R132

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 102	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023206-ps

PLOT DATE : 10/22/2025 1:25 PM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

WISCONSIN RIVER

N

MATCH LINE STA 219+00

220+00

221+00

222+00

223+00

224+00

225+00

PE

PE

R133

WATER SUPPLY CHANNEL

POND

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

WISCONSIN RIVER

N

MATCH LINE STA 225+00

226+00

227+00

228+00

229+00

230+00

231+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 103	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023207-ps
PLOT DATE : 10/22/2025 11:38 AM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

WISCONSIN RIVER

N

MATCH LINE STA 231+00

MATCH LINE STA 237+00

232+00

233+00

234+00

235+00

236+00

237

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

2

WISCONSIN RIVER

N

MATCH LINE STA 237+00

MATCH LINE STA 243+00

238+00

239+00

240+00

241+00

242+00

243

PE

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 104	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023208-ps

PLOT DATE : 10/22/2025 11:38 AM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

NOTE: SIGN POSTS IN ASPHALT WILL REQUIRE A BOX OUT OR CORE, INCIDENTAL TO SIGN POST

N

MATCH LINE STA 243+00

MATCH LINE STA 249+00

WISCONSIN RIVER

244+00

245+00

246+00

247+00

248+00

249

W5-52R
12"X36"
148

W5-52L
12"X36"
149

S1-1
36"X36"
154

W16-7L
24"X12"
155

S1-1
36"X36"
156

AHEAD
W16-9P
24"X12"
157

150

S1-1
36"X36"

151

AHEAD
W16-9P
24"X12"

152

S1-1
36"X36"

153

W16-7L
24"X12"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

N

MATCH LINE STA 249+00

MATCH LINE STA 255+00

WISCONSIN RIVER

250+00

251+00

252+00

253+00

254+00

255

SPEED LIMIT 35
R2-1
24"X30"
158

SPEED LIMIT 35
R134

SPEED LIMIT 25
R2-1
24"X30"
159

SPEED LIMIT 25
R135

FE

POND

PE

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 105	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023209-ps

PLOT DATE : 12/3/2025 7:51 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

2

2

MATCH LINE STA 255+00

MATCH LINE STA 261+00

WISCONSIN RIVER

160

W5-52R
12"X36"

R136

256+00

257+00

258+00

259+00

260+00

PE

PE

PE

PE

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON UTILITY POLE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON UTILITY POLE

PROPOSED SIGN NUMBER

R#### REMOVAL SIGN NUMBER

WISCONSIN RIVER

163

SPEED LIMIT 25

R2-1
24"X30"

SPEED LIMIT 25

R137

166

S1-1
36"X36"

167

W16-7L
24"X12"

EXISTING SIGN TO REMAIN

169

S1-1
36"X36"

170

AHEAD

W16-9P
24"X12"

MATCH LINE STA 261+00

262+00

263+00

264+00

265+00

266+00

267

PE

PE

PE

PE

161

S1-1
36"X36"

AHEAD

162

W16-9P
24"X12"

164

S1-1
36"X36"

165

W16-7L
24"X12"

HUFFMAN RD

STOP

R138

STOP

168

R1-1
30"x30"

MATCH LINE STA 267+00

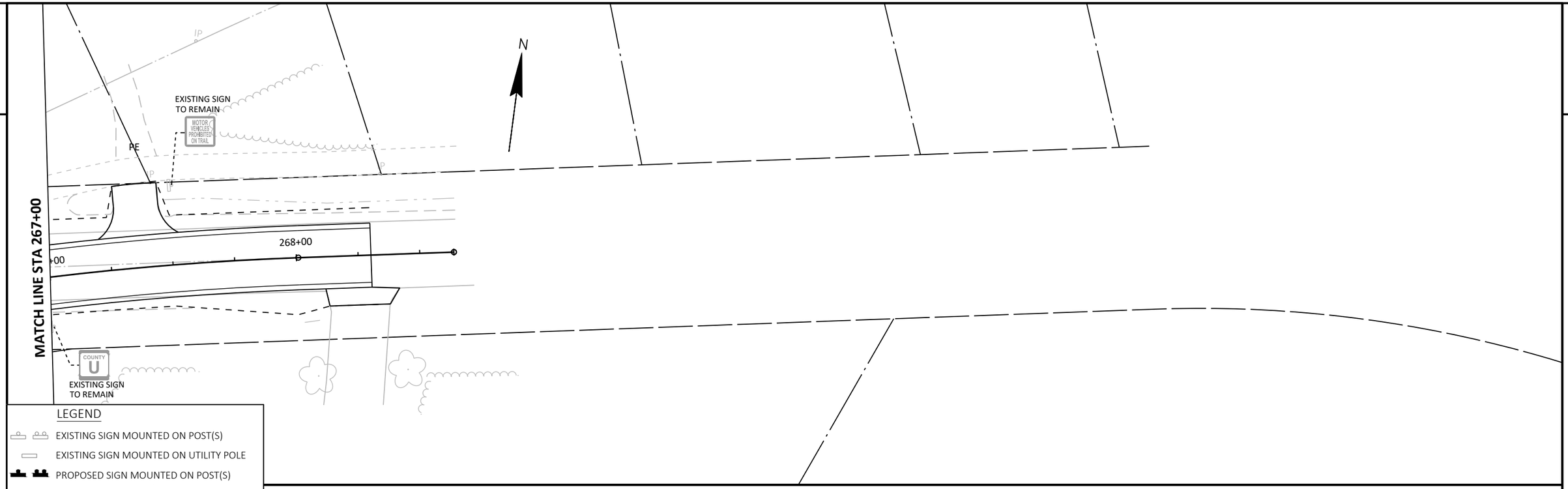
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 106	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-023201-PS.DWG
LAYOUT NAME - 3001265-023210-ps

PLOT DATE : 12/3/2025 7:51 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

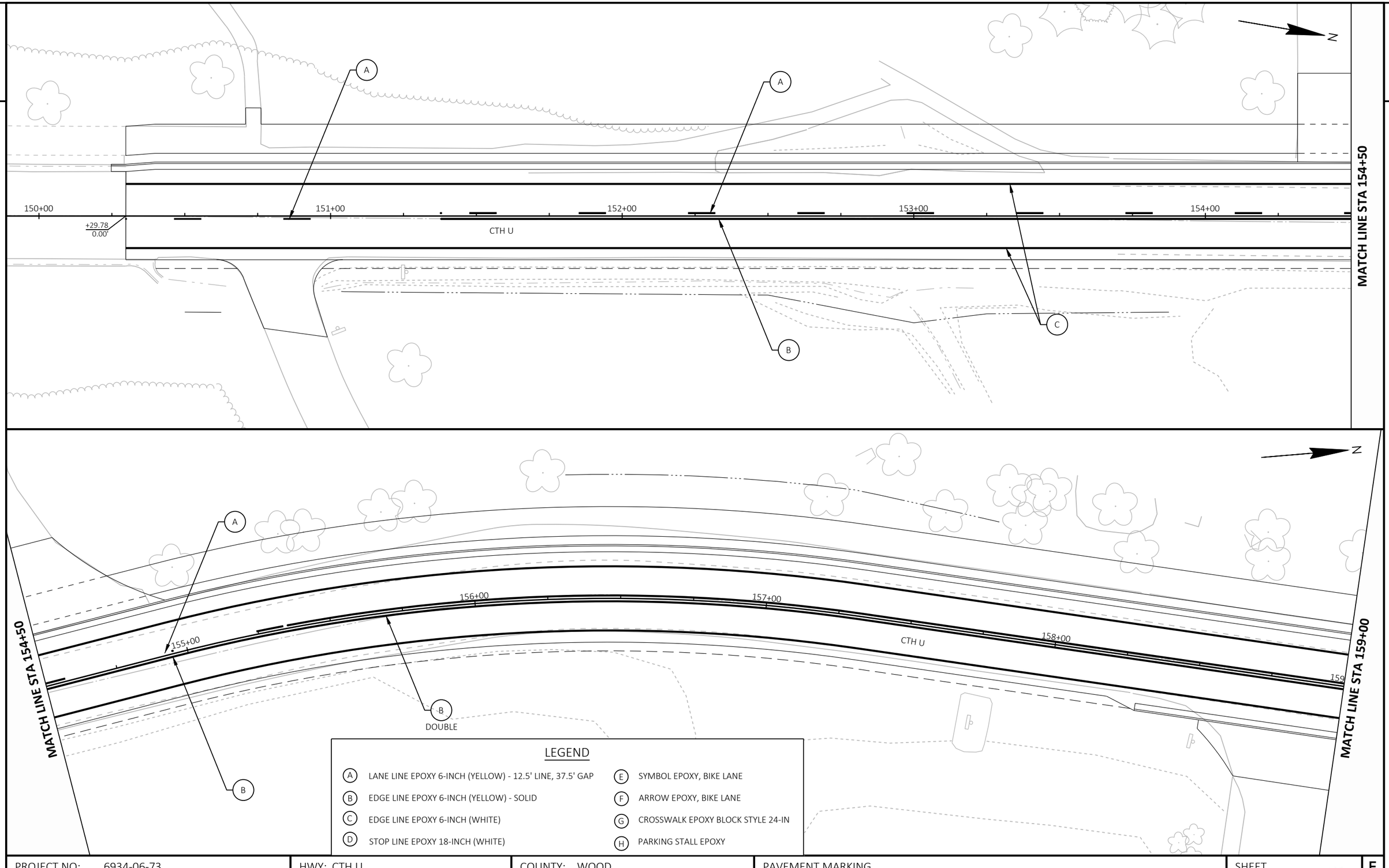
2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON UTILITY POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON UTILITY POLE
- ### PROPOSED SIGN NUMBER
- R### REMOVAL SIGN NUMBER

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PERMANENT SIGNING	SHEET 107	E

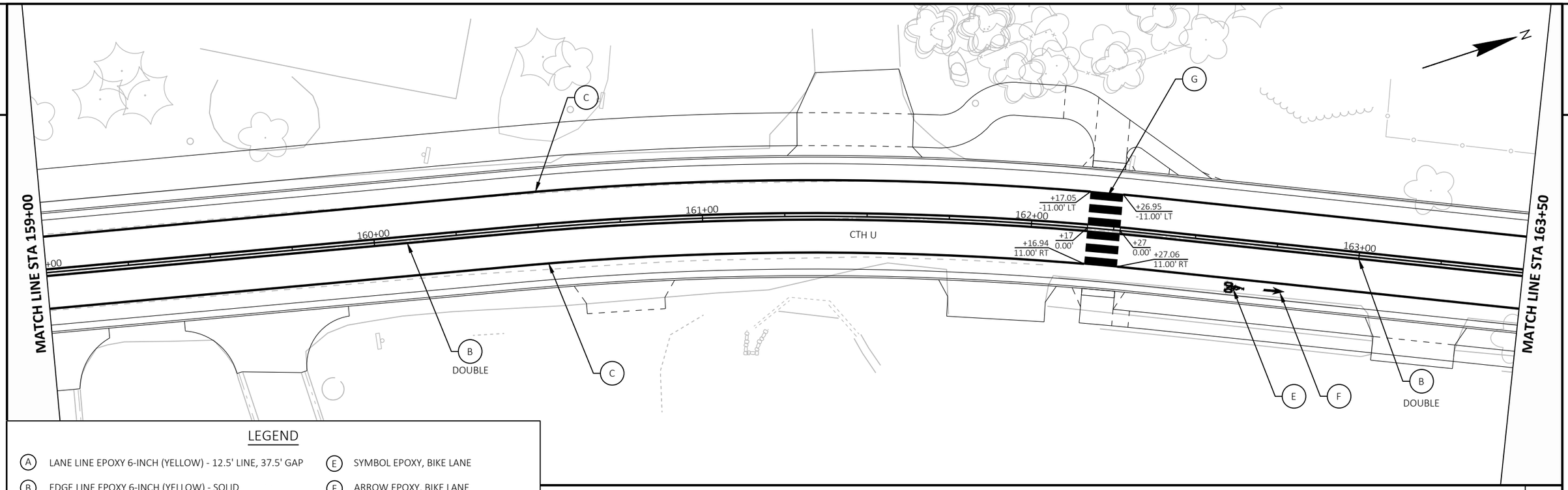


LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY

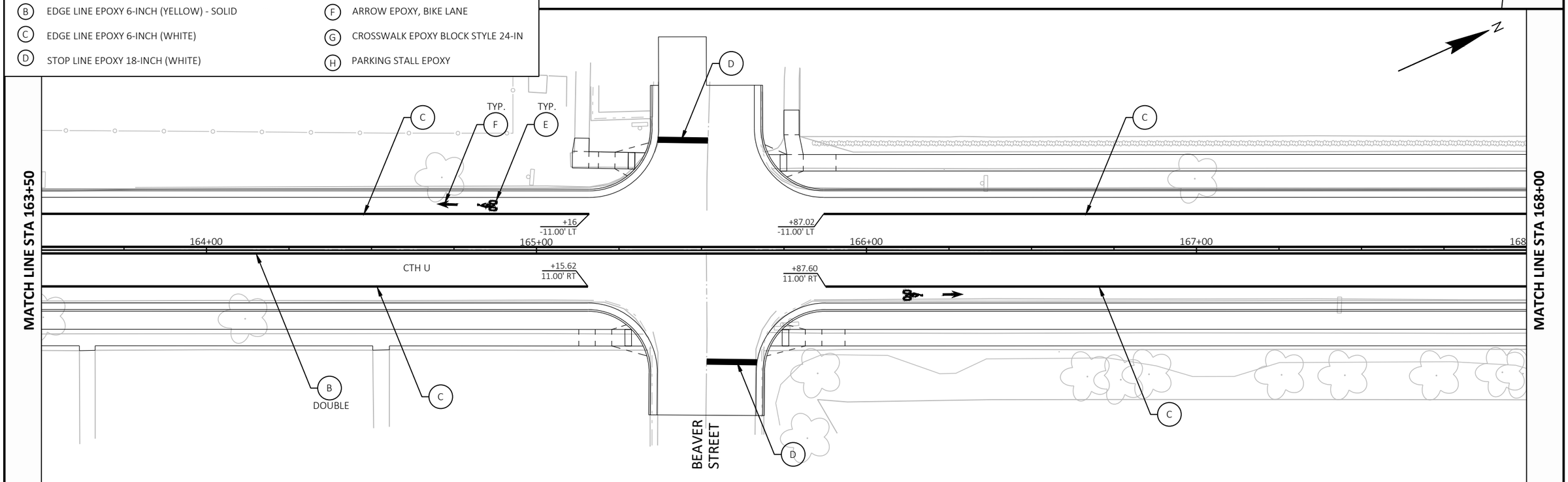
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 108	E

2

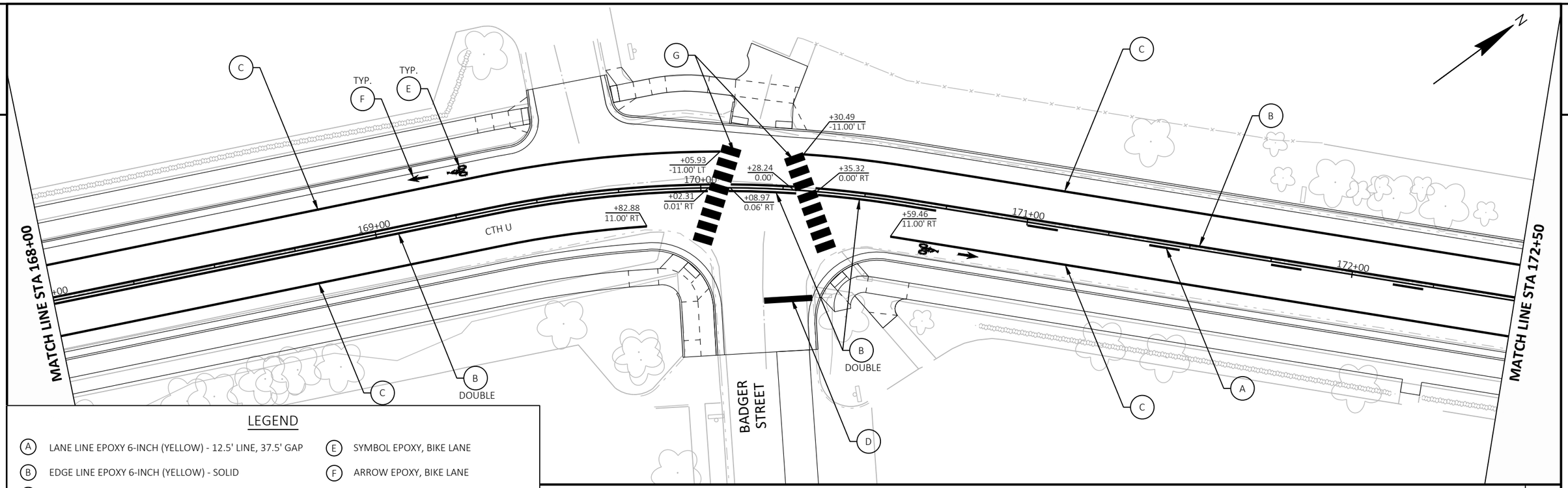


LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY

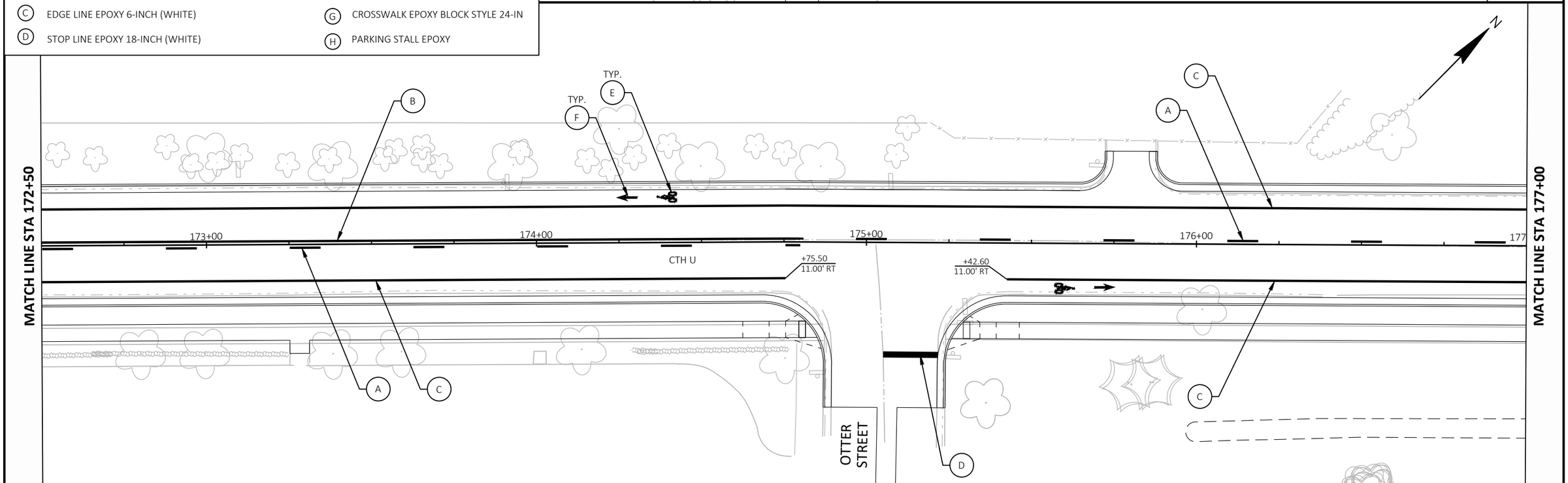


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 109	E



LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 110	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-024501-PM.DWG
LAYOUT NAME - 3001265-024503-pm

PLOT DATE : 12/1/2025 1:44 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:30 FT

2

MATCH LINE STA 177+00

TYP. E

TYP. F

C

A

+00 178+00 179+00 180+00 181+00

CTH U

+88.60
11.00' RT

+62.60
11.00' RT

C

BEAR STREET

D

C

MATCH LINE STA 181+50

2

LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY

TYP. F

TYP. E

A

C

MATCH LINE STA 181+50

182+00 183+00 184+00 185+00 186

+12.79
11.00' RT

+87.18
11.00' RT

CTH U

C

C

ELK STREET

D

MATCH LINE STA 186+00

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 111	E

2

MATCH LINE STA 186+00

+00

187+00

188+00

189+00

190+00

CTH U

TYP. F

TYP. E

A

C

B

+14.43
11.00' RT

+88.48
11.00' RT

FOX STREET

D

MATCH LINE STA 190+50

2

MATCH LINE STA 190+50

191+00

192+00

193+00

194+00

CTH U

TYP. F

TYP. E

A

C

B

DOUBLE

TYP. H

MATCH LINE STA 195+00

LEGEND

A	LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP	E	SYMBOL EPOXY, BIKE LANE
B	EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID	F	ARROW EPOXY, BIKE LANE
C	EDGE LINE EPOXY 6-INCH (WHITE)	G	CROSSWALK EPOXY BLOCK STYLE 24-IN
D	STOP LINE EPOXY 18-INCH (WHITE)	H	PARKING STALL EPOXY

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 112	E

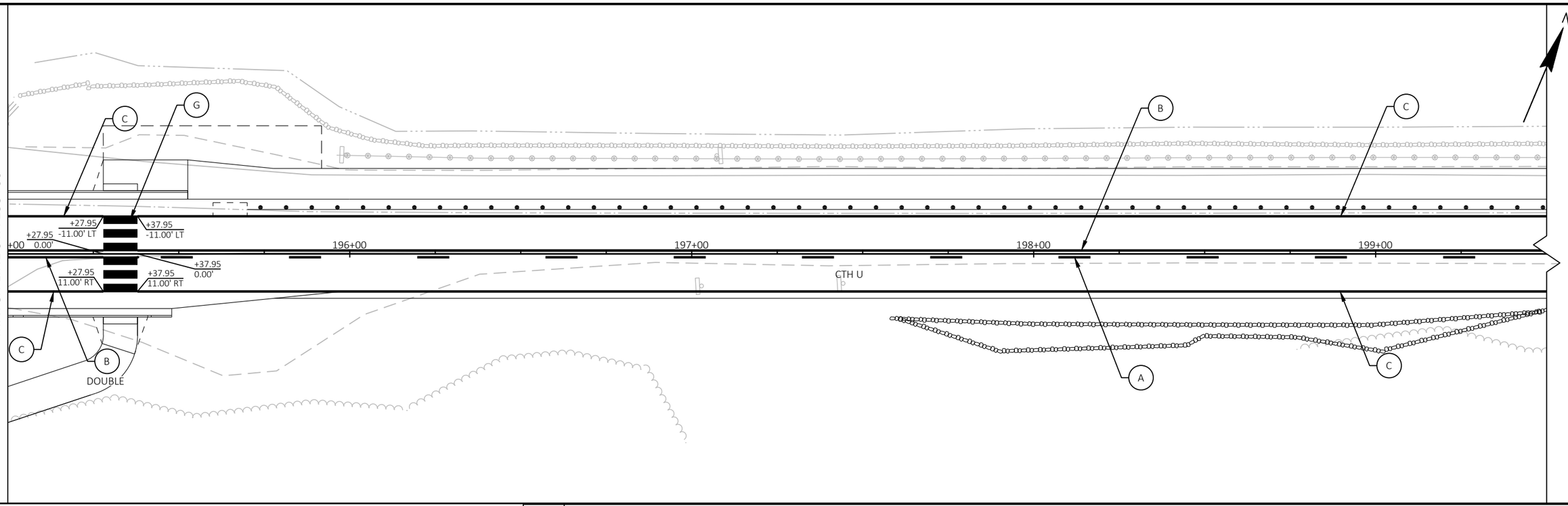
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-024501-PM.DWG
LAYOUT NAME - 3001265-024505-pm

PLOT DATE : 12/8/2025 9:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:30 FT

WISDOT/CADDS SHEET 44

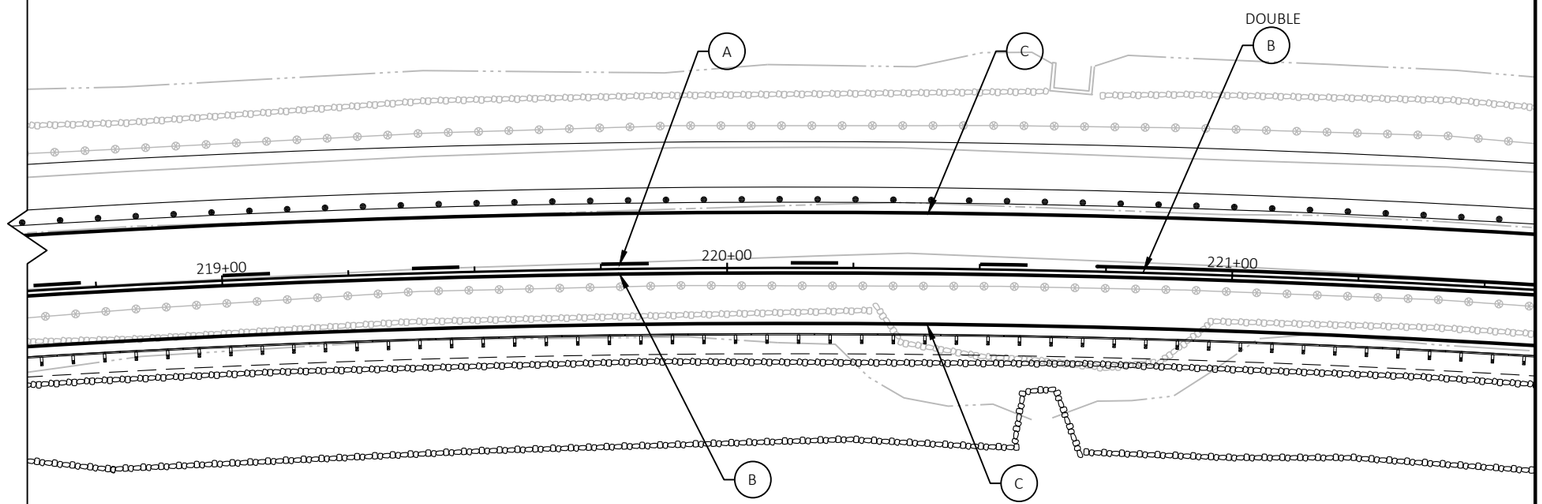
2

MATCH LINE STA 195+00

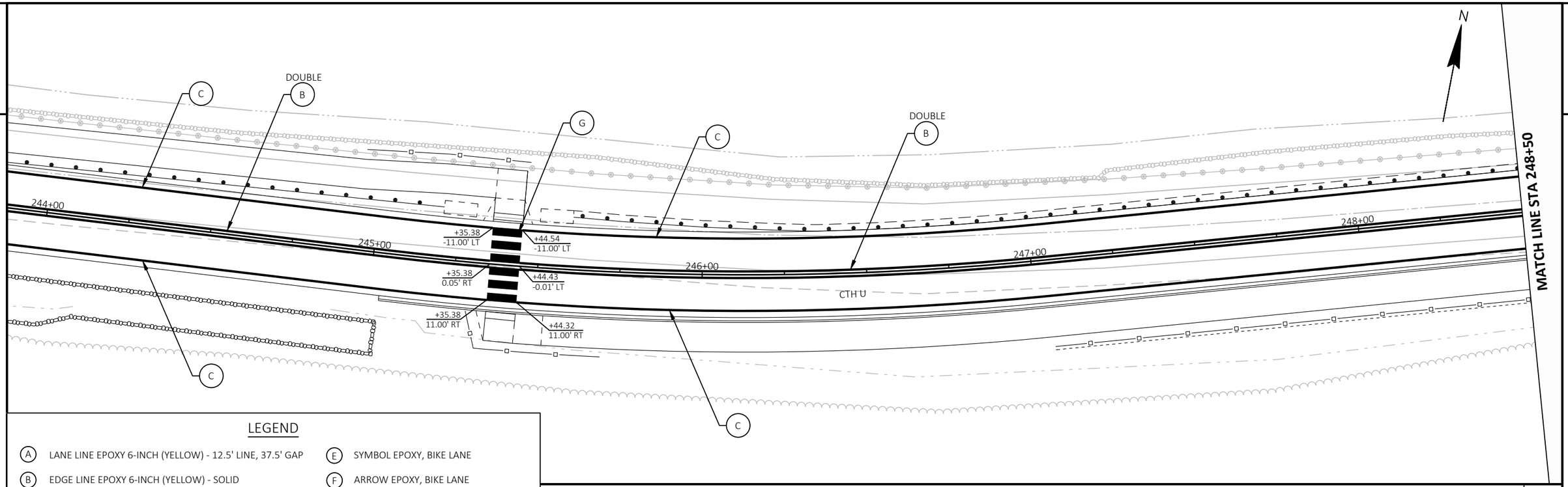


LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY

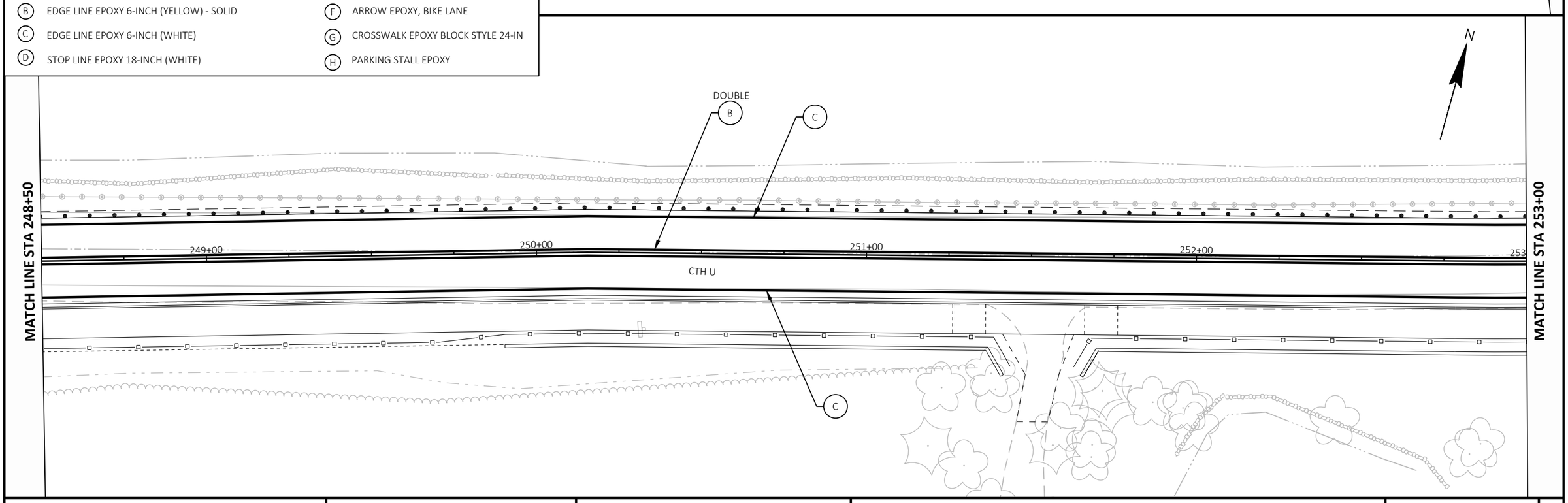


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 113	E



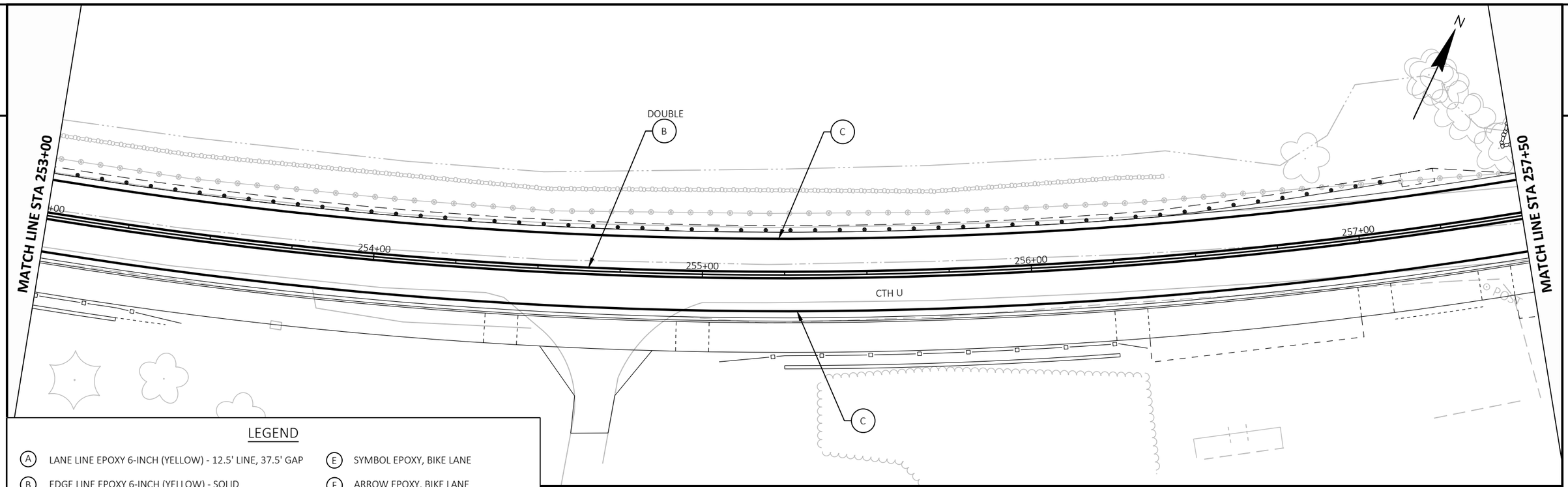
LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY



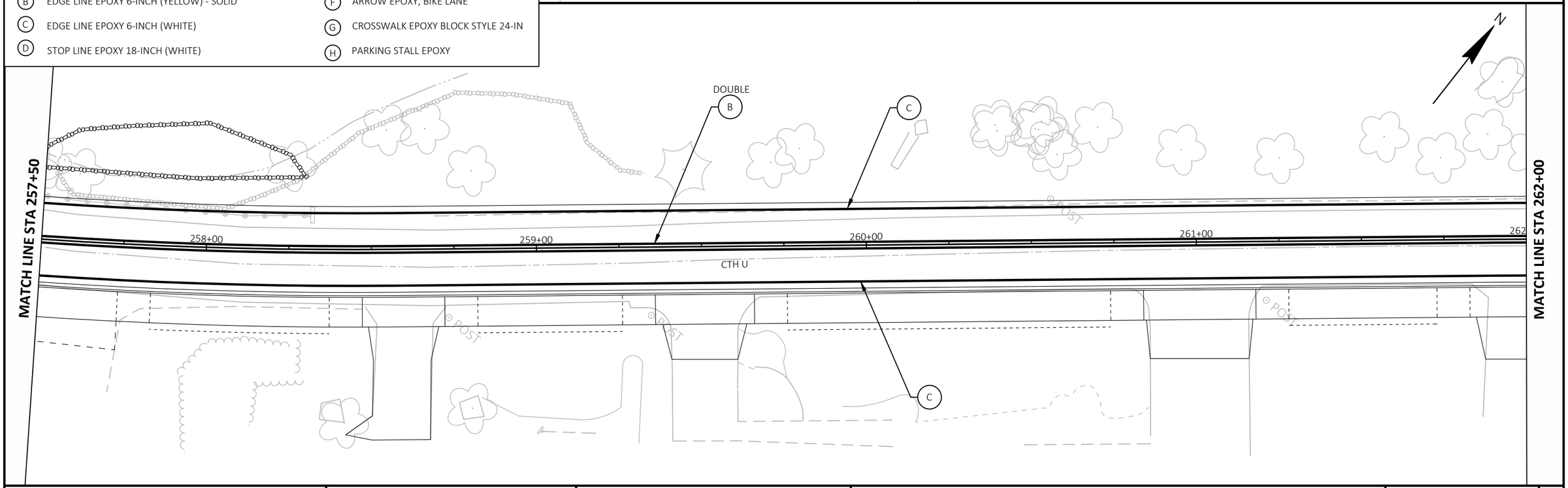
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 114	E

2

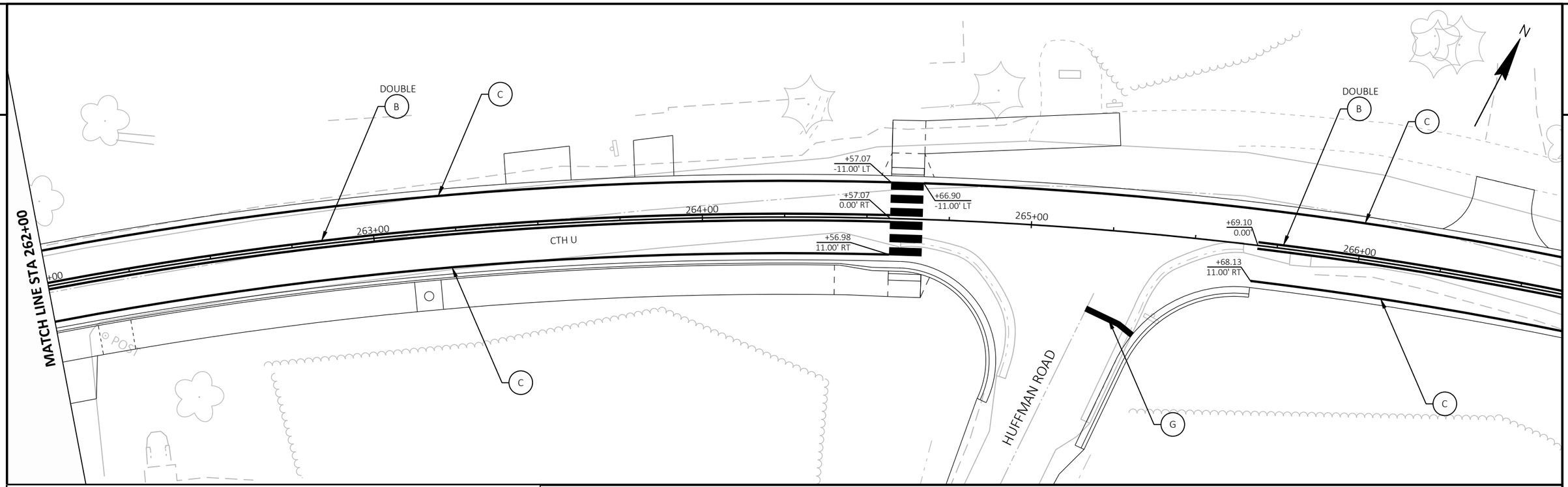


LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 115	E



2

LEGEND

- (A) LANE LINE EPOXY 6-INCH (YELLOW) - 12.5' LINE, 37.5' GAP
- (B) EDGE LINE EPOXY 6-INCH (YELLOW) - SOLID
- (C) EDGE LINE EPOXY 6-INCH (WHITE)
- (D) STOP LINE EPOXY 18-INCH (WHITE)
- (E) SYMBOL EPOXY, BIKE LANE
- (F) ARROW EPOXY, BIKE LANE
- (G) CROSSWALK EPOXY BLOCK STYLE 24-IN
- (H) PARKING STALL EPOXY

THIS FRAME IS LEFT BLANK INTENTIONALLY

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PAVEMENT MARKING	SHEET 116	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-024501-PM.DWG
LAYOUT NAME - 3001265-024512-pm
PLOT DATE : 10/9/2025 1:24 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:30 FT
WISDOT/CADDS SHEET 44

STH 66

WISCONSIN RIVER

STAGE 1 END
STA 170+90

SEE INSET A

SEE INSET B

MARSH ROAD

CTH U (N BIRON DRIVE)

HUFFMAN ROAD

CTH U (N BIRON DRIVE)

COUNTY LINE ROAD

STH 54

D 2

3

1 C

7 F

8 F

A 6

A 5

4 A

LEGEND

SIGN NUMBER

POST MOUNTED SIGN

X NOTE LETTER

TYPE III BARRICADE

WORK AREA

SIGN PLATE LEGEND

1 — ROAD CLOSED AHEAD (W20-3A)

2 — ROAD CLOSED TO THRU TRAFFIC, R11-4, 60"X30"

3 — END ROAD WORK, G20-2A, 48"X24"

4 — ROAD CLOSED TO THRU TRAFFIC 1 MILE AHEAD, R11-3, 60"X30"

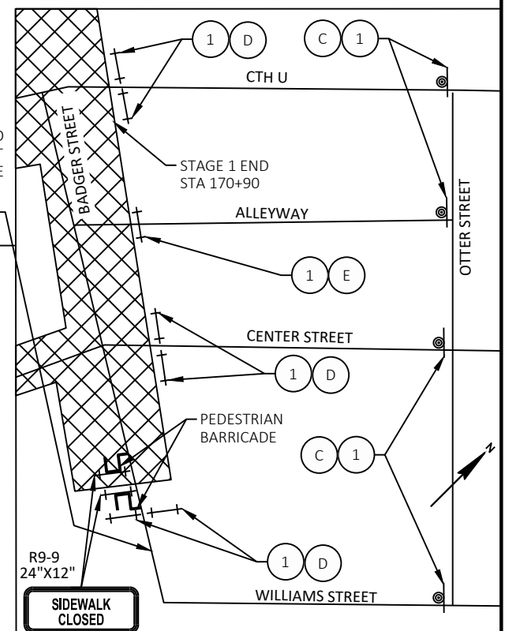
5 — ROAD CLOSED TO THRU TRAFFIC 3 MILES AHEAD, R11-3, 60"X30"

6 — ROAD CLOSED TO THRU TRAFFIC 1 3/4 MILES AHEAD, R11-3, 60"X30"

7 — ROAD NARROWS, W05-1, 48"X48"

8 — ROAD WORK AHEAD, W20-1A

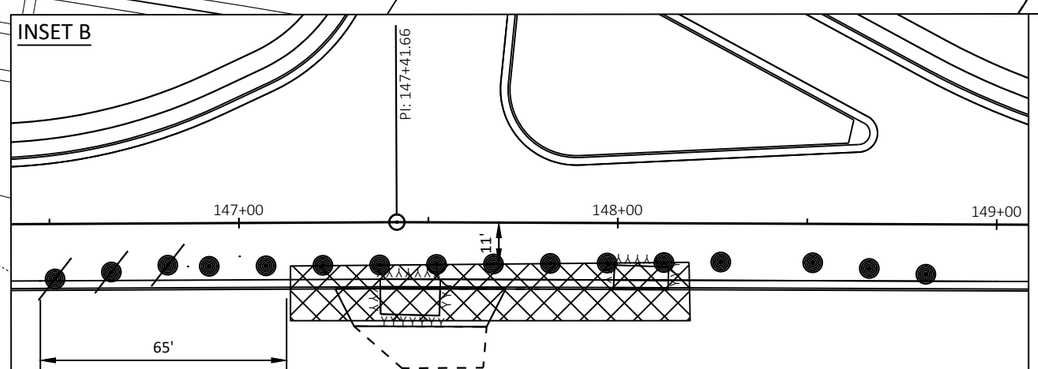
INSET A



MAINTAIN ACCESS FROM CTH U TO SIDE ROADS. DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME

MAINTAIN ACCESS TO BIRON CENTER (550 CENTER ST) AT ALL TIMES

INSET B



NOTES

NOTE A:
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A

NOTE B:
USE SDD "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES" DETAIL 4

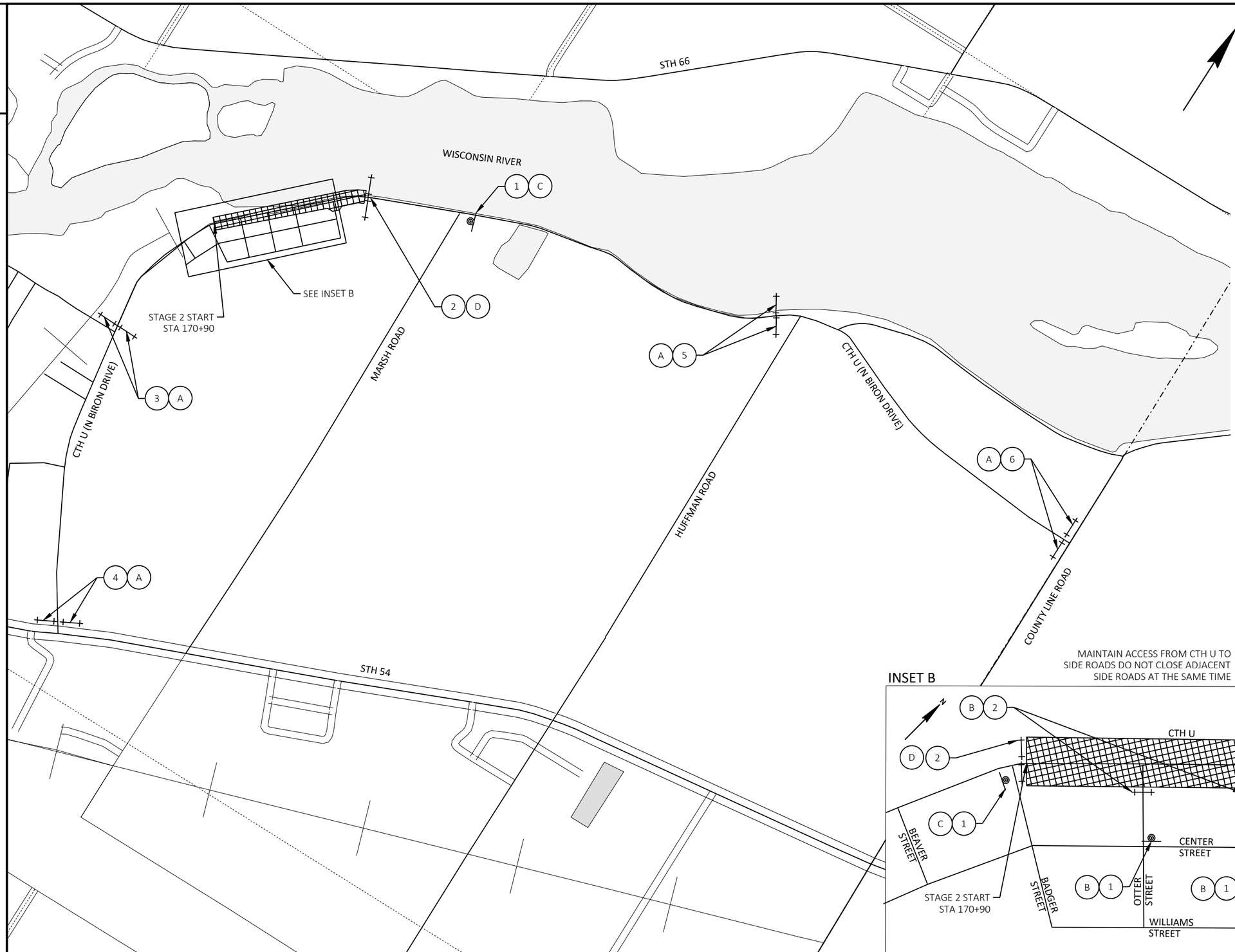
NOTE C:
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C

NOTE D:
USE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D

NOTE E:
USE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL E

NOTE F:
USE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

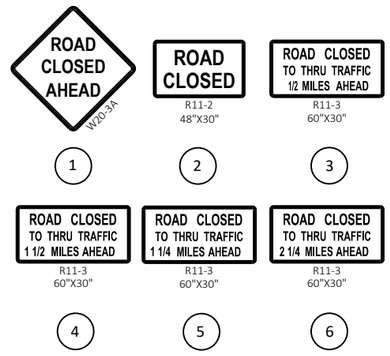
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TRAFFIC CONTROL STAGING-STAGE 1	SHEET 117	E



LEGEND

- 1 — SIGN NUMBER
- X — NOTE LETTER
- POST MOUNTED SIGN
- TYPE III BARRICADE
- WORK AREA

SIGN PLATE LEGEND



NOTES

NOTE A:
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A

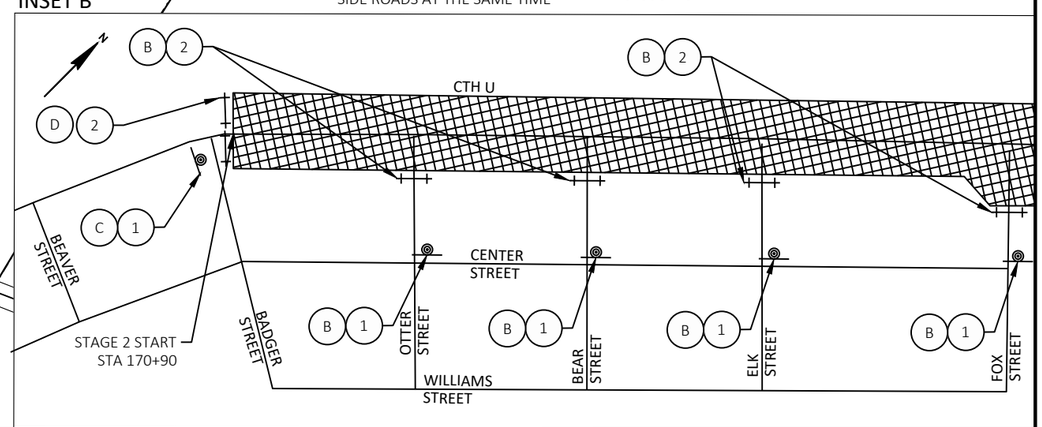
NOTE B:
USE SDD "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES" DETAIL 1

NOTE C:
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C

NOTE D:
USE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D

MAINTAIN ACCESS FROM CTH U TO SIDE ROADS DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME

INSET B



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TRAFFIC CONTROL STAGING-STAGE 2	SHEET 118	E

2

STH 66

WISCONSIN RIVER

MARSH ROAD

CTH U (N BIRON DRIVE)

HUFFMAN ROAD

COUNTY LINE ROAD

STH 54

D 2
3
A 5
C 1
C 2
C 2
2 D
1 C
3
A 6
4 A
1 B
1 B

LEGEND

- # — SIGN NUMBER
- A — NOTE LETTER
- POST MOUNTED SIGN
- TYPE III BARRICADE
- WORK AREA

SIGN PLATE LEGEND

1. ROAD CLOSED AHEAD — W20-3A
2. ROAD CLOSED TO THRU TRAFFIC — R11-4 60"X30"
3. END ROAD WORK — G20-2A 48"X24"
4. ROAD CLOSED TO THRU TRAFFIC 1 3/4 MILES AHEAD — R11-3 60"X30"
5. ROAD CLOSED TO THRU TRAFFIC 3/4 MILES AHEAD — R11-3 60"X30"
6. ROAD CLOSED TO THRU TRAFFIC 1 MILE AHEAD — R11-3 60"X30"

NOTES

NOTE A:
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A

NOTE B:
USE SDD "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES" DETAIL 4

NOTE C:
USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL C

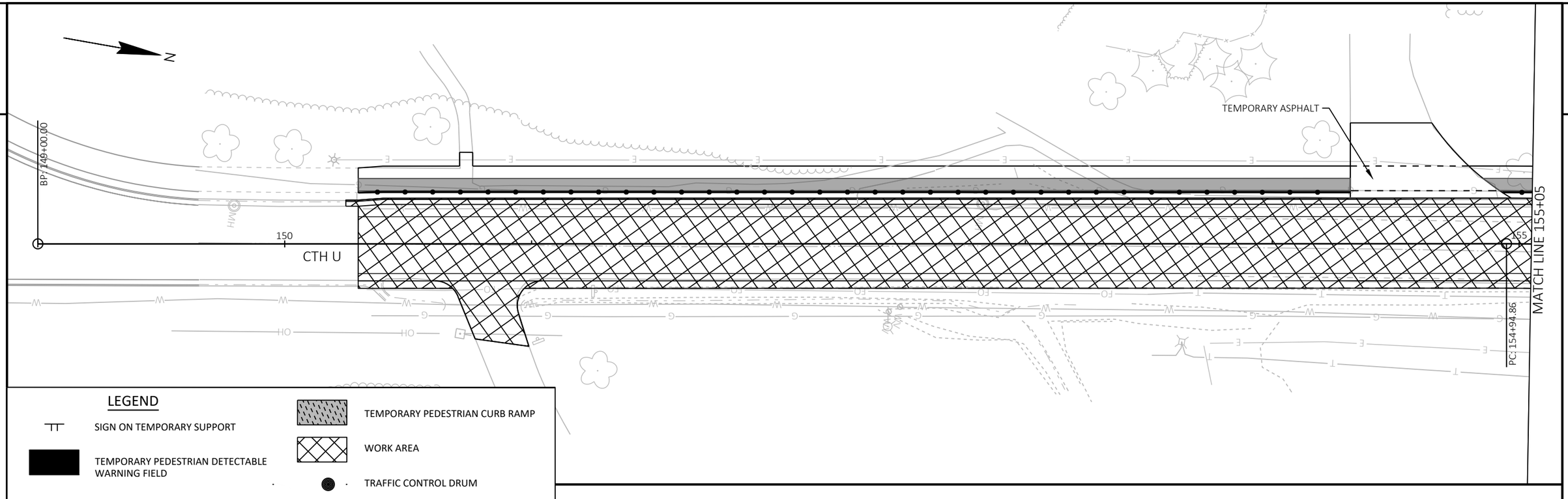
NOTE D:
USE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL E

N

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	TRAFFIC CONTROL STAGING-STAGE 3	SHEET 119	E

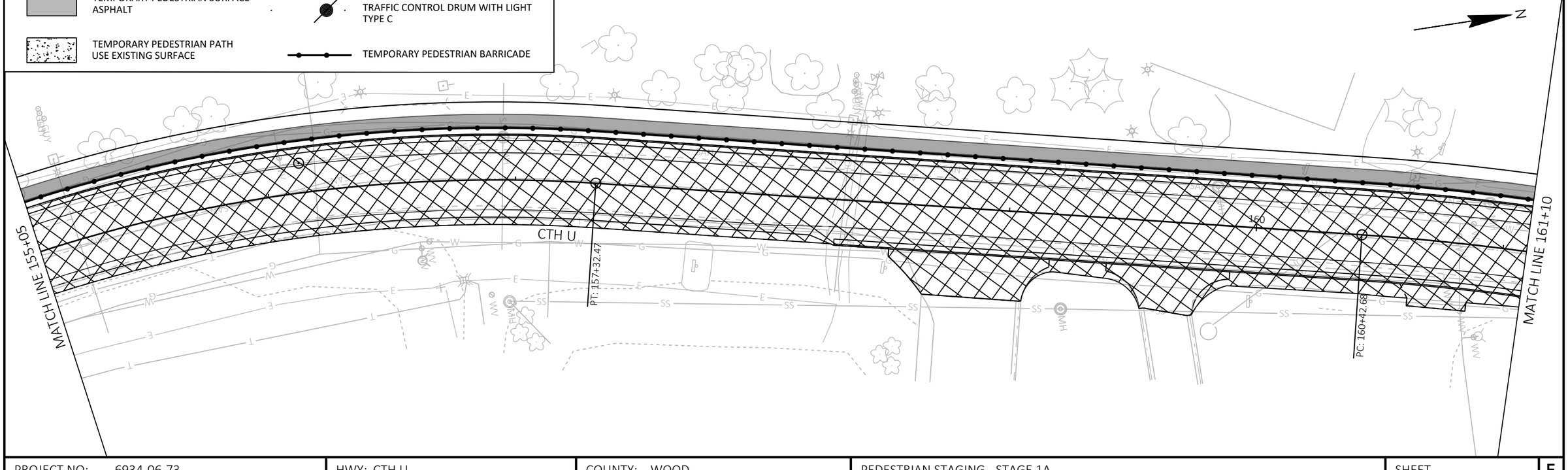
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026201-S3.DWG
LAYOUT NAME - 3001265-026001-s3
PLOT DATE : 10/9/2025 1:31 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:1500 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 1A	SHEET 120	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026501-s1a-ped

PLOT DATE : 1/19/2026 10:46 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ADJUST TEMPORARY CURB RAMP TO MAINTAIN PEDESTRIAN ACCESS DURING ALL WORK OPERATIONS

TEMPORARY ASPHALT

M4-60L 30"X24"

M4-60R 30"X24"

PT: 162+38.45

CTH U

PT: 165+21.99

MATCH LINE 161+10

6' TYP

M4-60R 30"X24"

ADJUST TEMPORARY CURB RAMP TO MAINTAIN PEDESTRIAN ACCESS DURING ALL WORK OPERATIONS

M4-60L 30"X24"

NOTE:
FOR TEMPORARY CURB RAMPS SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, TEMPORARY CURB RAMP PERPENDICULAR TO CURB WITH SIDE APRON"

165

BEAVER ST

MATCH LINE 167+15

2

N

ADJUST TEMPORARY CURB RAMP TO MAINTAIN PEDESTRIAN ACCESS DURING ALL WORK OPERATIONS

MAINTAIN MINIMUM 5' WIDTH FOR ACCESS

CONSTRUCT 6' WIDTH PROPOSED SIDEWALK

TEMPORARY ASPHALT

M4-60R 30"X24"

M4-60L 30"X24"

M4-60L 30"X24"

M4-60R 30"X24"

PT: 169+35.69

PT: 170+62.48

STAGE 1A END
STA 170+90

MATCH LINE 173+20

CTH U

M4-60R 30"X24"

M4-60L 30"X24"

ADJUST TEMPORARY CURB RAMP TO MAINTAIN PEDESTRIAN ACCESS DURING ALL WORK OPERATIONS

M4-60R 30"X24"

SIDEWALK CLOSED
R9-9
24"X12"

M4-60L 30"X24"

BADGER ST

SIDEWALK CLOSED
R9-9
24"X12"

ALTERNATE RAMP CONSTRUCTION TO PROVIDE ACCESS TO BADGER ST

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 1A	SHEET 121	E

2

S BIRON DR

CTH U

BP: 149+00.00

MATCH LINE 149+65

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE

NOTE:
FOR TEMPORARY CURB RAMPS SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, TEMPORARY CURB RAMP PERPENDICULAR TO CURB WITH SIDE APRON"

N

M4-60L
30"X24"

M4-60R
30"X24"

SIDEWALK CLOSED
R9-9
24"X12"

CTH U

150

155

MATCH LINE 149+65

MATCH LINE 155+05

PC: 154+94.86

M4-60R
30"X24"

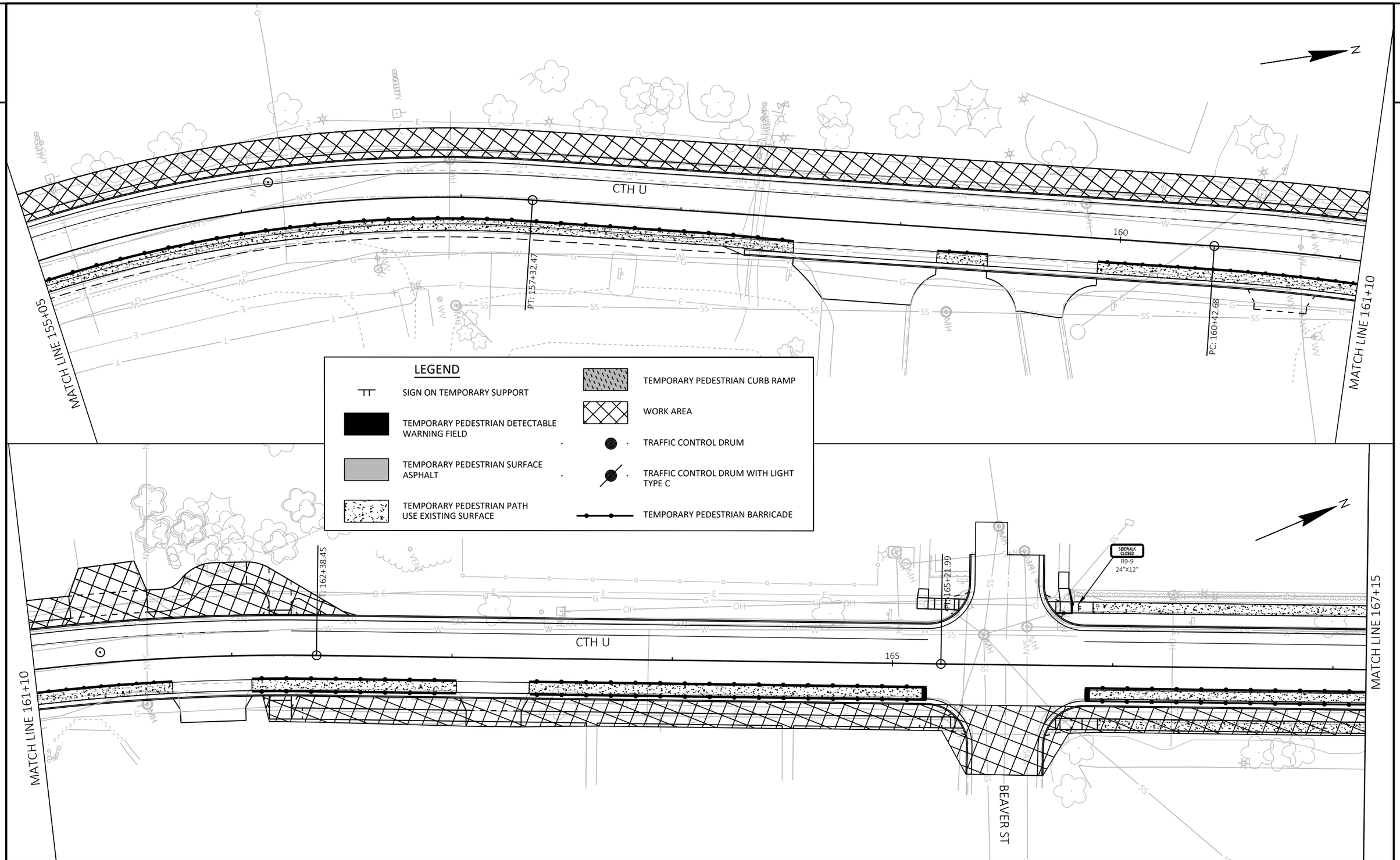
M4-60L
30"X24"

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 1B	SHEET 122	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026503-s1b-ped

PLOT DATE : 1/19/2026 10:46 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

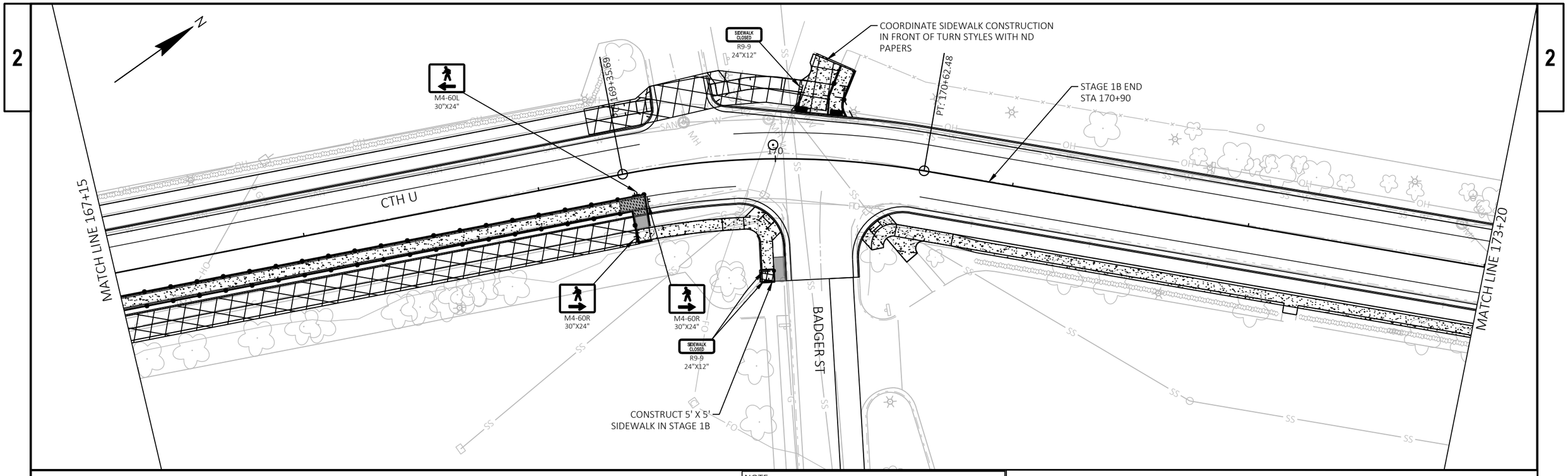
2



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 1B	SHEET 123	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026504-s1b-ped

PLOT DATE : 1/19/2026 10:46 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : ##########



NOTE:
FOR TEMPORARY CURB RAMPS SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, TEMPORARY CURB RAMP PERPENDICULAR TO CURB WITH SIDE APRON"

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 1B	SHEET 124	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026505-s1b-ped
PLOT DATE : 1/19/2026 10:46 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : ##########

2

2

N

STAGE 2A START
STA 170+90

PT: 170+62.48

169+35.69

170

MATCH LINE 167+15

CTH U

BADGER ST

MATCH LINE 173+20

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE

PI: 174+75.44

CTH U

175

MATCH LINE 173+20

OTTER ST

BEAR ST

MATCH LINE 179+25

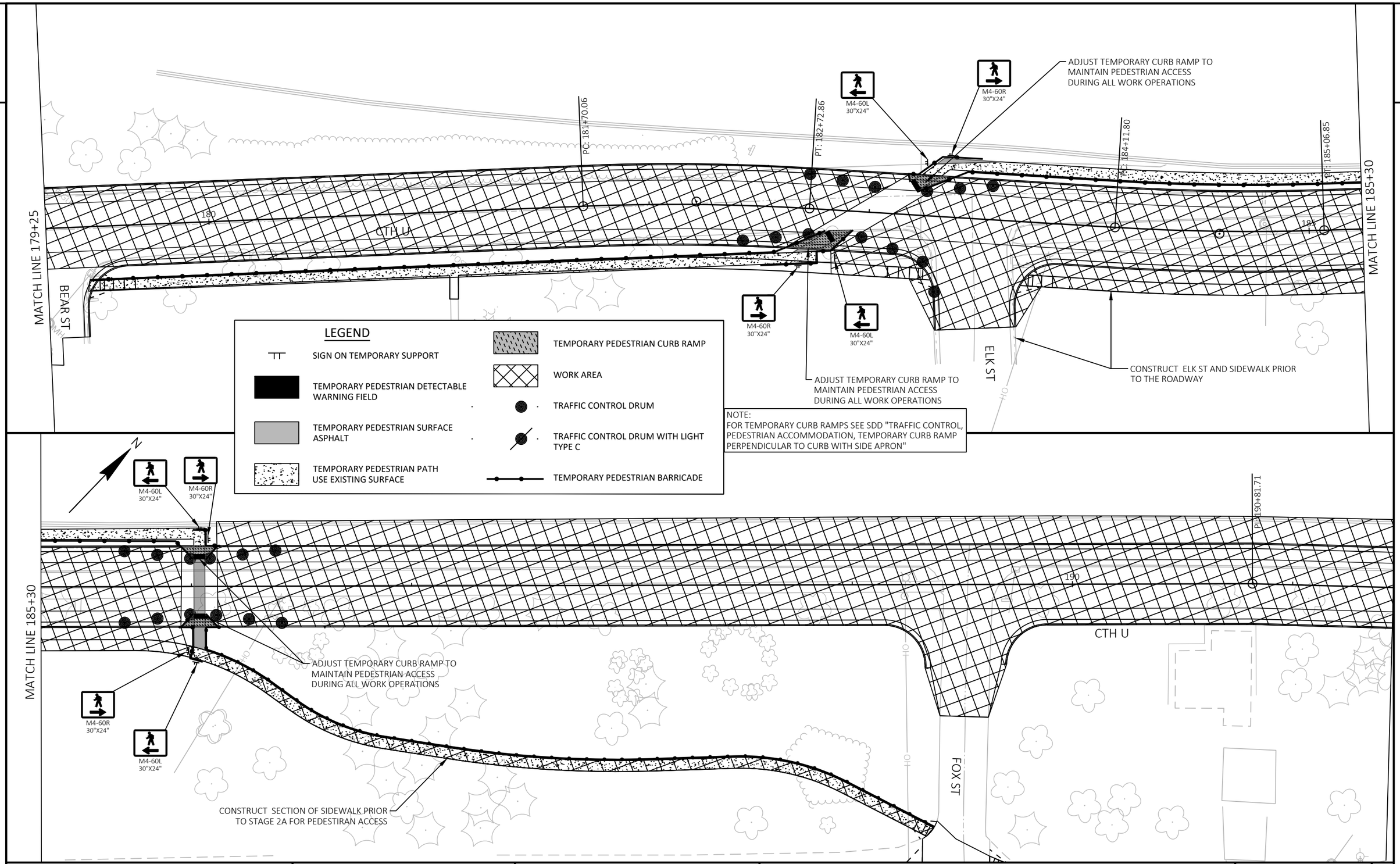
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 2A	SHEET 125	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026510-s2a-ped

PLOT DATE : 1/19/2026 10:46 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 2A	SHEET 126	E

2

MATCH LINE 167+15

MILL ENTRANCE

169+35.69

CTH U

170

PT: 170+62.48

M4-60R
30"X24"

M4-60L
30"X24"

BADGER ST

MATCH LINE 173+20

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE

NOTE:
FOR TEMPORARY CURB RAMPS SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, TEMPORARY CURB RAMP PERPENDICULAR TO CURB WITH SIDE APRON"

MATCH LINE 173+20

PI: 174+75.44

CTH U

175

OTTER ST

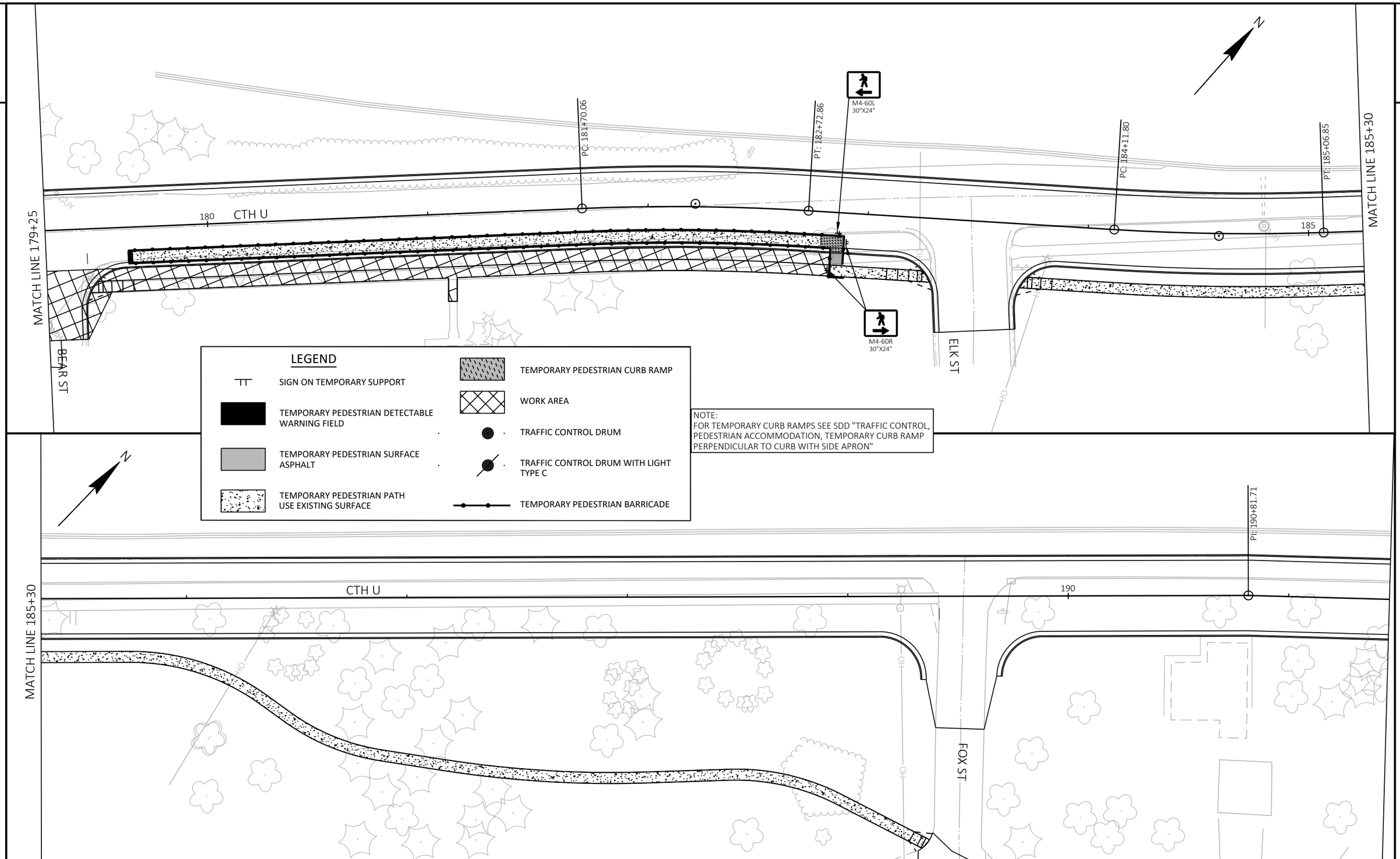
BEAR ST

MATCH LINE 179+25

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 2B	SHEET 127	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026512-s2b-ped
PLOT DATE : 1/19/2026 10:46 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN PATH USE EXISTING SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- WORK AREA
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE

NOTE:
FOR TEMPORARY CURB RAMPS SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION, TEMPORARY CURB RAMP PERPENDICULAR TO CURB WITH SIDE APRON"

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PEDESTRIAN STAGING - STAGE 2B	SHEET 128	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-026501-S1-PED.DWG
LAYOUT NAME - 3001265-026513-s2b-ped
PLOT DATE : 1/19/2026 10:46 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

Biron

N

WISCONSIN RIVER

N BIRON DR

S BIRON DR

MARSH RD

HUFFMAN RD

72ND ST N

CONSTRUCTION STAGE 1

CONSTRUCTION STAGE 2

CONSTRUCTION STAGE 3

170+90

194+50

228+30

150+30

U

54

1 44
DETOUR AHEAD W20-2A

2 41
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO5-1R 21"X21"

3
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

4 15
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"

5
END DETOUR M4-8A 24"X18"
WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"

10
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO5-1L 21"X21"

11
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

12
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
DETOUR AHEAD W20-2A

13
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

14
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

16 20
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"
MO5-1R 21"X21"

17 32
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U

18 22 40
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"

18A
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
ROAD CLOSED AHEAD W20-3A

21
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
54 COUNTY U

23
DETOUR M4-8 24"X12"
NORTH EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO5-1L 21"X21"

24
DETOUR M4-8 24"X12"
NORTH EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

25
WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"
DETOUR AHEAD W20-2A

26
DETOUR M4-8 24"X12"
NORTH WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

27
DETOUR M4-8 24"X12"
NORTH WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

28
DETOUR M4-8 24"X12"
NORTH EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"

30
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U

31
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U

33
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U

34
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U

35
DETOUR M4-8 24"X12"
EAST M3-2 24"X12"
COUNTY U

6 48
ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"

46
ROAD CLOSED 500 FT W20-3D

47
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

43
ROAD CLOSED AHEAD W20-3A

45
DETOUR M4-8 24"X12"
WEST M3-4 24"X12"
COUNTY U M1-5A 24"X24"
MO5-1L 21"X21"

42
END DETOUR M4-8A 24"X18"
EAST M3-2 24"X12"
COUNTY U M1-5A 24"X24"
MO6-1 21"X21"

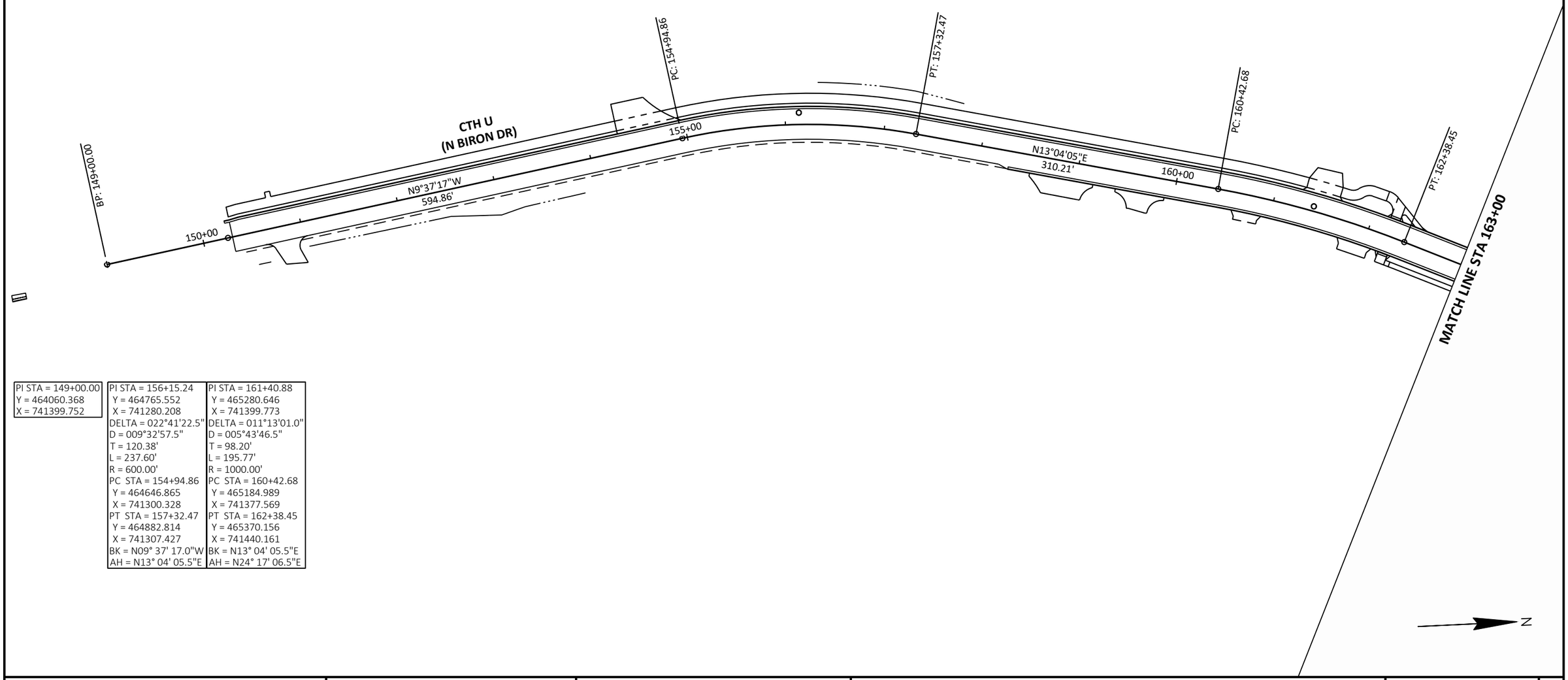
LEGEND

- DETOUR ROUTE
- SIGN MOUNTED ON TYPE III BARRICADE WITH TYPE A WARNING LIGHTS
- POST MOUNTED SIGN
- WORK AREA
- XX SIGN NUMBER

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	DETOUR	SHEET 129 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-027001-DT.DWG
LAYOUT NAME - 3001265-027001-dt
PLOT DATE : 10/9/2025 1:35 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:2000 FT
WISDOT/CADDS SHEET 42

2



PI STA = 149+00.00
Y = 464060.368
X = 741399.752

PI STA = 156+15.24
Y = 464765.552
X = 741280.208
DELTA = 022°41'22.5"
D = 009°32'57.5"
T = 120.38'
L = 237.60'
R = 600.00'
PC STA = 154+94.86
Y = 464646.865
X = 741300.328
PT STA = 157+32.47
Y = 464882.814
X = 741307.427
BK = N09° 37' 17.0"W
AH = N13° 04' 05.5"E

PI STA = 161+40.88
Y = 465280.646
X = 741399.773
DELTA = 011°13'01.0"
D = 005°43'46.5"
T = 98.20'
L = 195.77'
R = 1000.00'
PC STA = 160+42.68
Y = 465184.989
X = 741377.569
PT STA = 162+38.45
Y = 465370.156
X = 741440.161
BK = N13° 04' 05.5"E
AH = N24° 17' 06.5"E

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	ALIGNMENT	SHEET 130	E

2

2

PI STA = 165+21.99
Y = 465628.607
X = 741556.775

PI STA = 169+99.79
Y = 466064.228
X = 741753.042
DELTA = 020°45'17.0"
D = 016°22'12.8"
T = 64.09'
L = 126.78'
R = 350.00'
PC STA = 169+35.69
Y = 466005.792
X = 741726.714
PT STA = 170+62.48
Y = 466109.543
X = 741798.370
BK = N24° 15' 13.5"E
AH = N45° 00' 30.5"E

PI STA = 174+75.44
Y = 466401.511
X = 742090.425

PI 'BVW' STA = 10+00.00
Y = 465696.535
X = 741477.699

MATCH LINE STA 163+00

BEAVER ST WEST

BP: 10'BVW'+00.00

S65°48'59"E
100.00'

STA 11+00.00 R/L BEAVER ST W =
STA 165+51.56 R/L CTH U
Y=465,655.570
X=741,568.920

PI: 165+21.99

165+00

N24°17'07"E
283.54'

N24°15'14"E
413.70'

BP: 24'BA'+00.00

S57°30'09"E
100.00'

PC: 169+35.69

PT: 170+62.48

170+00

CTH U
(N BIRON DR)

N45°00'30"E
412.97'

PI: 174+75.44

175+00

N45°37'30"E
694.62'

MATCH LINE STA 177+00

S57°30'09"E
100.00'

STA 25+00.00 R/L BADGER ST =
STA 170+17.26 R/L CTH U
Y=466,075.602
X=741,768.544

PI: 26'BA'+00.00

26'BA'

S65°19'29"E
100.00'

STA 11+00.00 R/L BEAVER ST E =
STA 165+51.87 R/L CTH U
Y=465,655.848
X=741,569.048

PI: 12'BE'+00.00

12'BE'

BEAVER ST EAST

13'BE'

275.00'
S65°53'09"E

14'BE'

EP: 14'BE'+75.00

27'BA'

BADGER ST

28'BA'

29'BA'

30'BA'

600.00'
S58°03'23"E

31'BA'

EP: 32'BA'+00.00

31'OT'

STA 30+00.00 R/L OTTER ST =
STA 175+05.60 R/L CTH U
Y=466,422.605
X=742,111.984

32'OT'

OTTER ST

33'OT'

600.00'
S44°22'30"E

34'OT'

35'OT'

EP: 36'OT'+00.00

PI 'BE' STA = 12+00.00
Y = 465614.100
X = 741659.917

PI 'BE' STA = 14+75.00
Y = 465501.747
X = 741910.919

PI 'BA' STA = 24+00.00
Y = 466129.328
X = 741684.203

PI 'BA' STA = 26+00.00
Y = 466021.876
X = 741852.886

PI 'BA' STA = 32+00.00
Y = 465704.424
X = 742362.027

PI 'OT' STA = 36+00.00
Y = 465993.738
X = 742531.594

N

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	ALIGNMENT	SHEET 131	E

2

2

PI STA = 182+21.51
Y = 466923.272
X = 742623.695
DELTA = 005°53'23.8"
D = 005°43'46.5"
T = 51.44'
L = 102.80'
R = 1000.00'
PC STA = 181+70.06
Y = 466887.294
X = 742586.923
PT STA = 182+72.86
Y = 466955.286
X = 742663.964
BK = N45° 37' 30.0"E
AH = N51° 30' 53.8"E

PI STA = 184+59.36
Y = 467071.349
X = 742809.952
DELTA = 005°26'46.5"
D = 005°43'46.5"
T = 47.56'
L = 95.05'
R = 1000.00'
PC STA = 184+11.80
Y = 467041.749
X = 742772.721
PT STA = 185+06.85
Y = 467104.348
X = 742844.206
BK = N51° 30' 53.8"E
AH = N46° 04' 07.3"E

PI STA = 190+81.71
Y = 467503.181
X = 743258.202

MATCH LINE STA 177+00

CTH U
(N BIRON DR)

PC: 181+70.06
PT: 182+72.86
PC: 184+11.80
PT: 185+06.85
PI: 190+81.71

STA 60+00.00 R/L FOX ST =
STA 189+52.79 R/L CTH U
Y=467,413.734
X=743,165.354

MATCH LINE STA 191+00

N45°37'30"E
694.62'

180+00

N51°30'54"E
138.94'

185+00

N46°04'07"E
574.86'

190+00

STA 40+00.00 R/L BEAR ST =
STA 179+25.60 R/L CTH U
Y=466,716.332
X=742,412.190

S44°22'30"E
100.00'

BEAR ST

EP: 41'BR'+00.00

PI 'BR' STA = 41+00.00
Y = 466644.855
X = 742482.125

STA 50+00.00 R/L ELK ST =
STA 183+46.17 R/L CTH U
Y=467,000.909
X=742,721.350

S44°22'30"E
100.00'

ELK ST

EP: 51'EL'+00.00

PI 'EL' STA = 51+00.00
Y = 466929.431
X = 742791.286

BP: 1'SW'+00.00

N46°04'07"E
67.71'

PC: 1'SW'+67.71

N82°05'30"E
13.35'

N55°03'30"E
28.86'

N44°20'00"E
36.82'

PT: 2'SW'+30.58
PC: 2'SW'+43.93

PT: 2'SW'+91.12

PC: 3'SW'+19.98

PT: 4'SW'+13.57

PC: 4'SW'+50.39

PT: 5'SW'+01.17

PC: 5'SW'+69.99

PI: 61'FX'+00.00

S41°52'30"E
100.00'

PT: 5'SW'+98.19

PT: 7'SW'+07.06

N57°16'22"E
65.81'

PC: 6'SW'+64.00

61'FX'

62'FX'

63'FX'

250.00'

S43°32'07"E

FOX ST

TRAIL

STA 61+22.39 R/L FOX ST =
STA 189+49.04 R/L CTH U
Y=467,323.045
X=743,247.524

EP: 63'FX'+50.00

PI STA = 1+00.00
Y = 467083.463
X = 742864.326

PI 'SW' STA = 2+00.22
Y = 467152.998
X = 742936.505
DELTA = 036°01'22.6"
D = 057°17'44.8"
T = 32.51'
L = 62.87'
R = 100.00'
PC 'SW' STA = 1+67.71
Y = 467130.440
X = 742913.089
PT 'SW' STA = 2+30.58
Y = 467157.472
X = 742968.710
BK = N46° 04' 07.3"E
AH = N82° 05' 29.9"E

PI 'SW' STA = 2+67.97
Y = 467162.616
X = 743005.744
DELTA = 027°01'59.9"
D = 057°17'44.8"
T = 24.04'
L = 47.18'
R = 100.00'
PC 'SW' STA = 2+43.93
Y = 467159.309
X = 742981.934
PT 'SW' STA = 2+91.12
Y = 467176.384
X = 743025.450
BK = N82° 05' 29.9"E
AH = N55° 03' 29.9"E

PI 'SW' STA = 3+66.91
Y = 467219.794
X = 743087.581
DELTA = 010°43'30.2"
D = 011°27'33.0"
T = 46.93'
L = 93.59'
R = 500.00'
PC 'SW' STA = 3+19.98
Y = 467192.913
X = 743049.107
PT 'SW' STA = 4+13.57
Y = 467253.366
X = 743120.380
BK = N55° 03' 29.9"E
AH = N44° 19' 59.7"E

PI 'SW' STA = 4+76.34
Y = 467298.266
X = 743164.247
DELTA = 029°05'46.4"
D = 057°17'44.8"
T = 25.95'
L = 50.78'
R = 100.00'
PC 'SW' STA = 4+50.39
Y = 467279.703
X = 743146.111
PT 'SW' STA = 5+01.17
Y = 467305.667
X = 743189.120
BK = N44° 19' 59.7"E
AH = N73° 25' 46.1"E

PI 'SW' STA = 5+84.18
Y = 467329.341
X = 743268.683
DELTA = 016°09'24.1"
D = 057°17'44.8"
T = 14.19'
L = 28.20'
R = 100.00'
PC 'SW' STA = 5+69.99
Y = 467325.293
X = 743255.079
PT 'SW' STA = 5+98.19
Y = 467337.015
X = 743280.623
BK = N73° 25' 46.1"E
AH = N57° 16' 22.1"E

PI 'SW' STA = 6+85.86
Y = 467384.415
X = 743354.380
DELTA = 024°28'05.9"
D = 056°49'01.7"
T = 21.87'
L = 43.06'
R = 100.84'
PC 'SW' STA = 6+64.00
Y = 467372.593
X = 743335.985
PT 'SW' STA = 7+07.06
Y = 467402.794
X = 743366.226
BK = N57° 16' 22.1"E
AH = N32° 48' 16.2"E

PI 'FX' STA = 61+00.00
Y = 467339.274
X = 743232.105

PI 'FX' STA = 63+50.00
Y = 467158.036
X = 743404.305

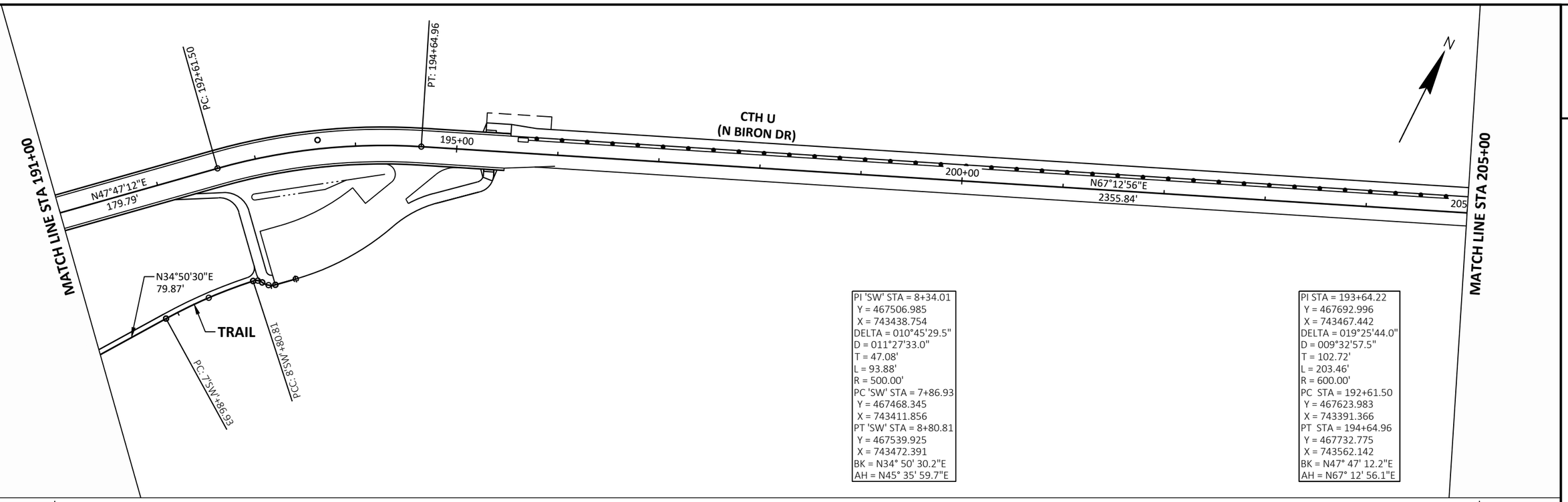
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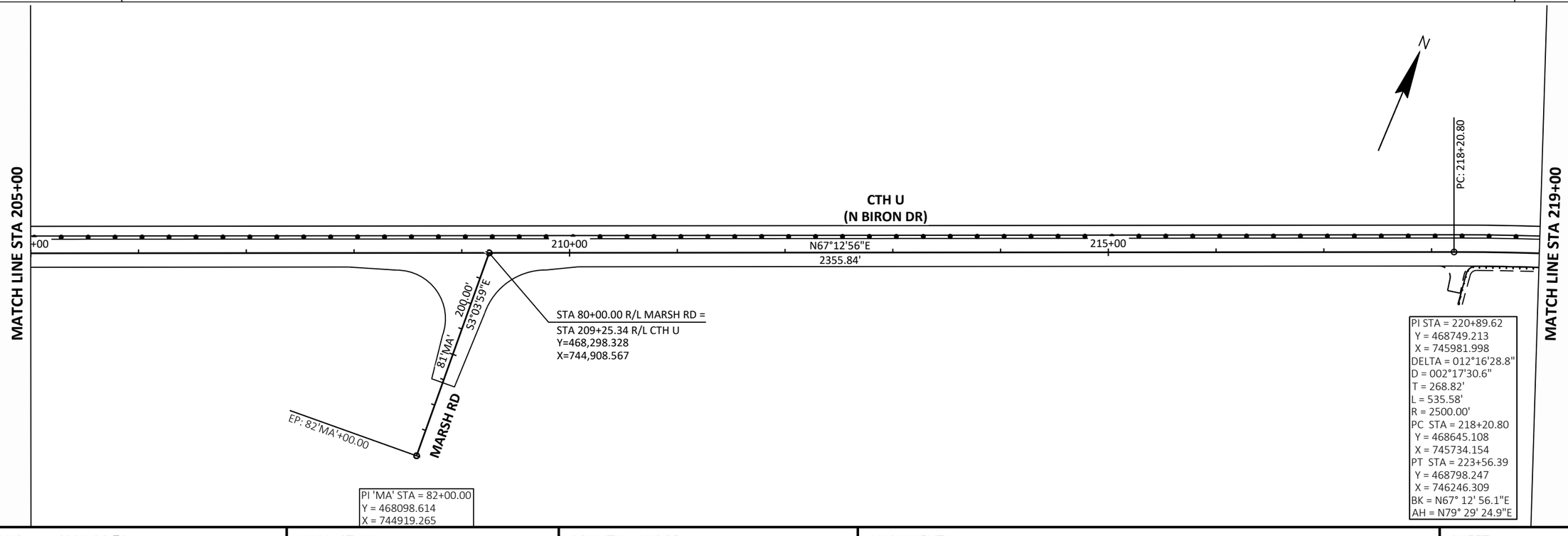
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	ALIGNMENT	SHEET 132	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-027201-AD.DWG
LAYOUT NAME - 3001265-027203-ad

PLOT DATE : 10/9/2025 1:54 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:100 FT

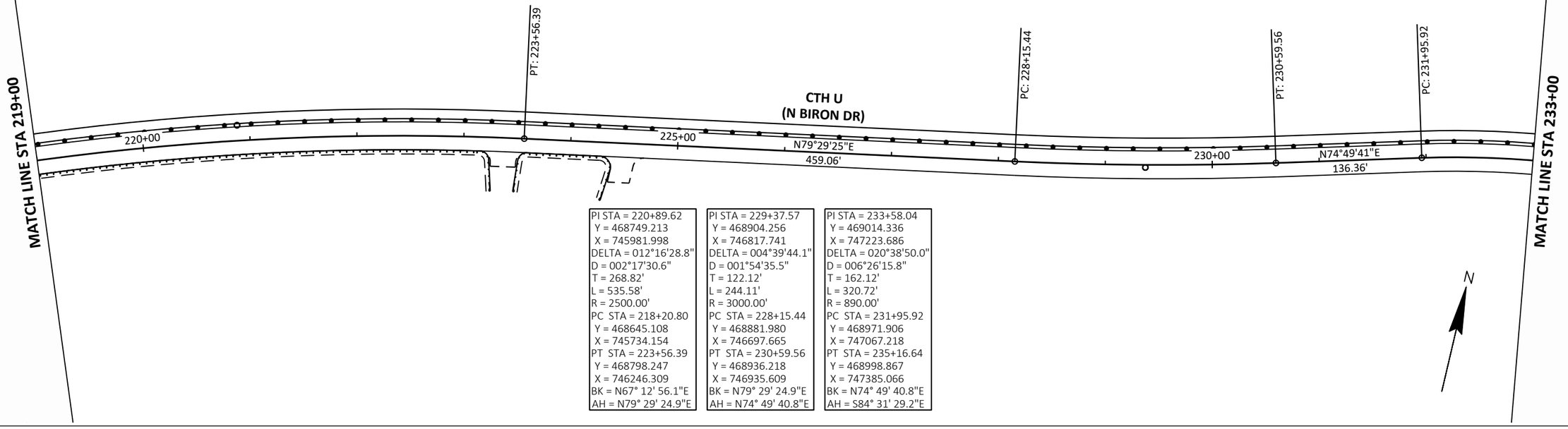
WISDOT/CADDS SHEET 42



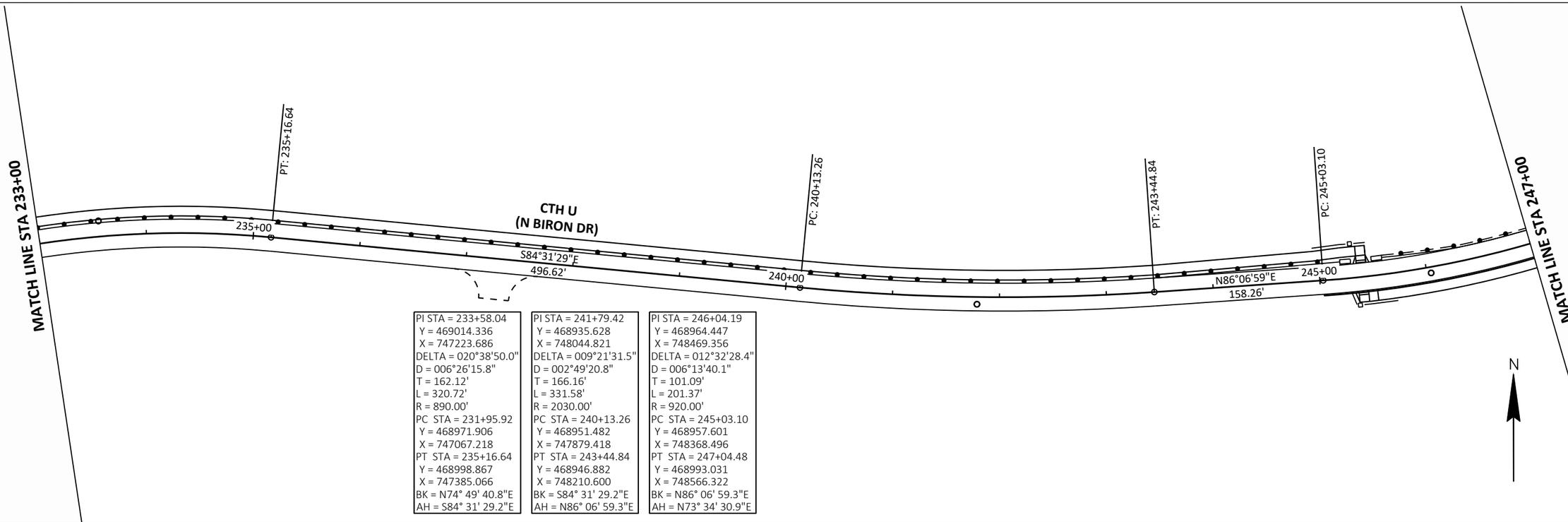


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	ALIGNMENT	SHEET 133	E

2



PI STA = 220+89.62	PI STA = 229+37.57	PI STA = 233+58.04
Y = 468749.213	Y = 468904.256	Y = 469014.336
X = 745981.998	X = 746817.741	X = 747223.686
DELTA = 012°16'28.8"	DELTA = 004°39'44.1"	DELTA = 020°38'50.0"
D = 002°17'30.6"	D = 001°54'35.5"	D = 006°26'15.8"
T = 268.82'	T = 122.12'	T = 162.12'
L = 535.58'	L = 244.11'	L = 320.72'
R = 2500.00'	R = 3000.00'	R = 890.00'
PC STA = 218+20.80	PC STA = 228+15.44	PC STA = 231+95.92
Y = 468645.108	Y = 468881.980	Y = 468971.906
X = 745734.154	X = 746697.665	X = 747067.218
PT STA = 223+56.39	PT STA = 230+59.56	PT STA = 235+16.64
Y = 468798.247	Y = 468936.218	Y = 468998.867
X = 746246.309	X = 746935.609	X = 747385.066
BK = N67° 12' 56.1"E	BK = N79° 29' 24.9"E	BK = N74° 49' 40.8"E
AH = N79° 29' 24.9"E	AH = N74° 49' 40.8"E	AH = S84° 31' 29.2"E



PI STA = 233+58.04	PI STA = 241+79.42	PI STA = 246+04.19
Y = 469014.336	Y = 468935.628	Y = 468964.447
X = 747223.686	X = 748044.821	X = 748469.356
DELTA = 020°38'50.0"	DELTA = 009°21'31.5"	DELTA = 012°32'28.4"
D = 006°26'15.8"	D = 002°49'20.8"	D = 006°13'40.1"
T = 162.12'	T = 166.16'	T = 101.09'
L = 320.72'	L = 331.58'	L = 201.37'
R = 890.00'	R = 2030.00'	R = 920.00'
PC STA = 231+95.92	PC STA = 240+13.26	PC STA = 245+03.10
Y = 468971.906	Y = 468951.482	Y = 468957.601
X = 747067.218	X = 747879.418	X = 748368.496
PT STA = 235+16.64	PT STA = 243+44.84	PT STA = 247+04.48
Y = 468998.867	Y = 468946.882	Y = 468993.031
X = 747385.066	X = 748210.600	X = 748566.322
BK = N74° 49' 40.8"E	BK = S84° 31' 29.2"E	BK = N86° 06' 59.3"E
AH = S84° 31' 29.2"E	AH = N86° 06' 59.3"E	AH = N73° 34' 30.9"E

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	ALIGNMENT	SHEET 134	E

2

PI STA = 250+15.46
Y = 469080.965
X = 748864.618

PI STA = 255+71.88
Y = 469224.271
X = 749402.265
DELTA = 023°39'44.4"
D = 004°05'33.2"
T = 293.27'
L = 578.18'
R = 1400.00'
PC STA = 252+78.61
Y = 469148.739
X = 749118.889
PT STA = 258+56.79
Y = 469407.184
X = 749631.503
BK = N75° 04' 30.9"E
AH = N51° 24' 46.5"E

MATCH LINE STA 247+00

PT: 247+04.48

N73°34'31"E
310.99'

250+00

PI: 250+15.46

N75°04'31"E
263.15'

PC: 252+78.61

255+00

PT: 258+56.79

N51°24'46"E
334.09'

260+00

MATCH LINE STA 261+00

CTH U
(N BIRON RD)

N

PI STA = 265+02.57
Y = 469809.956
X = 750136.281
DELTA = 029°07'13.0"
D = 004°46'28.7"
T = 311.69'
L = 609.89'
R = 1200.00'
PC STA = 261+90.88
Y = 469615.557
X = 749892.649
PT STA = 268+00.78
Y = 469861.221
X = 750443.721
BK = N51° 24' 46.5"E
AH = N80° 31' 59.5"E

MATCH LINE STA 261+00

PC: 261+90.88

CTH U
(N BIRON RD)

N51°24'46"E
334.09'

265+00

STA 90+00.00 R/L HUFFMAN RD =
STA 265+27.77 R/L CTH U
Y=469,786.205
X=750,181.837

PI STA = 268+63.84
Y = 469871.594
X = 750505.928

PT: 268+00.78

EP: 268+63.84

200.00'
S1°52'18"E

HUFFMAN RD

EP: 92'HU'+00.00

N80°32'00"E
63.07'

PI STA = 92+00.00
Y = 469586.311
X = 750188.369

N

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	ALIGNMENT	SHEET 135	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-027201-AD.DWG
LAYOUT NAME - 3001265-027206-ad

PLOT DATE : 12/3/2025 7:59 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:100 FT

SUPERELEVATION - CTH U

STATION	DESCRIPTION	LEFT OUTSIDE SHOULDER	LEFT OUTSIDE LANE	RIGHT OUTSIDE LANE	RIGHT OUTSIDE SHOULDER
149+00	BEGIN ALIGNMENT	-4.00%	-2.00%	-2.00%	-4.00%
153+25	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
153+66	LEVEL CROWN	-4.00%	0.00%	-2.00%	-4.00%
154+07	BEGIN FULL SUPER	-4.00%	2.00%	-2.00%	-4.00%
157+25	END FULL SUPER	-4.00%	2.00%	-2.00%	-4.00%
158+00	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
163+25	WARPING	-4.00%	-2.00%	-2.00%	-4.00%
163+50	WARPING	-4.00%	-2.00%	-3.00%	-4.00%
165+25	WARPING	-4.00%	-2.00%	-3.00%	-4.00%
165+50	WARPING	-4.00%	-2.00%	-2.00%	-4.00%
191+93	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
192+34	LEVEL CROWN	-4.00%	0.00%	-2.00%	-4.00%
192+75	BEGIN FULL SUPER	-4.00%	2.00%	-2.00%	-4.00%
196+00	END FULL SUPER	-4.00%	2.00%	-2.00%	-4.00%
196+41	LEVEL CROWN	-4.00%	0.00%	-2.00%	-4.00%
196+82	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
217+41	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
217+82	LEVEL CROWN	-4.00%	0.00%	-2.00%	-4.00%
218+24	REVERSE CROWN	-4.00%	2.00%	-2.00%	-4.00%
218+40	BEGIN FULL SUPER	-4.00%	2.80%	-2.80%	-4.00%
223+37	END FULL SUPER	-4.00%	2.80%	-2.80%	-4.00%
223+54	REVERSE CROWN	-4.00%	2.00%	-2.00%	-4.00%
223+95	LEVEL CROWN	-4.00%	0.00%	-2.00%	-4.00%
224+36	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
227+39	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
227+81	LEVEL CROWN	-4.00%	-2.00%	0.00%	-4.00%
228+22	REVERSE CROWN	-4.00%	-2.00%	2.00%	-4.00%
228+33	BEGIN FULL SUPER	-4.00%	-2.50%	2.50%	-4.00%
230+42	END FULL SUPER	-4.00%	-2.50%	2.50%	-4.00%
232+31	BEGIN FULL SUPER	-4.00%	5.10%	-5.10%	-5.10%
234+81	END FULL SUPER	-4.00%	5.10%	-5.10%	-5.10%
235+04	LOW SHOULDER MATCH	-4.00%	4.00%	-4.00%	-4.00%
235+46	REVERSE CROWN	-4.00%	2.00%	-2.00%	-4.00%
235+87	LEVEL CROWN	-4.00%	0.00%	-2.00%	-4.00%
236+29	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
239+27	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
239+68	LEVEL CROWN	-4.00%	-2.00%	0.00%	-4.00%
240+09	REVERSE CROWN	-4.00%	-2.00%	2.00%	-4.00%
240+36	BEGIN FULL SUPER	-4.00%	-3.30%	3.30%	-4.00%
243+22	END FULL SUPER	-4.00%	-3.30%	3.30%	-4.00%
243+47	REVERSE CROWN	-4.00%	-2.00%	2.00%	-4.00%
243+84	LEVEL CROWN	-4.00%	-2.00%	0.00%	-4.00%
244+22	BEGIN/END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
244+58	LEVEL CROWN	-4.00%	-2.00%	0.00%	-4.00%
244+95	REVERSE CROWN	-4.00%	-2.00%	2.00%	-4.00%
245+25	BEGIN FULL SUPER	-4.00%	-3.70%	3.70%	-4.00%
246+82	END FULL SUPER	-4.00%	-3.70%	3.70%	-4.00%
247+13	REVERSE CROWN	-4.00%	-2.00%	2.00%	-4.00%
252+00	WARPING	-4.00%	-2.00%	2.00%	-4.00%
252+50	WARPING	-4.00%	-3.00%	3.00%	-4.00%
261+17	WARPING	-4.00%	-3.00%	3.00%	-4.00%
261+50	WARPING	-4.00%	-3.00%	3.00%	-4.00%
262+50	WARPING	-4.00%	2.00%	-2.00%	-4.00%
267+50	WARPING	-4.00%	2.00%	-2.00%	-4.00%
268+00	WARPING	-4.00%	-0.67%	-2.00%	-4.00%
268+25	WARPING	-4.00%	-2.00%	-0.69%	-0.69%
268+64	WARPING	-4.00%	-2.00%	-0.69%	-0.69%

Estimate Of Quantities

6934-06-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	31.000	31.000
0004	204.0100	Removing Concrete Pavement	SY	28,105.000	28,105.000
0006	204.0150	Removing Curb & Gutter	LF	690.000	690.000
0008	204.0155	Removing Concrete Sidewalk	SY	1,760.000	1,760.000
0010	204.0165	Removing Guardrail	LF	215.000	215.000
0012	204.0167	Removing Cable Barrier	LF	6,590.000	6,590.000
0014	204.0210	Removing Manholes	EACH	5.000	5.000
0016	204.0220	Removing Inlets	EACH	18.000	18.000
0018	204.0245	Removing Storm Sewer (size) 01. 6-Inch	LF	335.000	335.000
0020	204.0245	Removing Storm Sewer (size) 02. 8-Inch	LF	166.000	166.000
0022	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	692.000	692.000
0024	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	45.000	45.000
0026	205.0100	Excavation Common	CY	20,273.000	20,273.000
0028	205.0400	Excavation Marsh	CY	1,922.000	1,922.000
0030	208.0100	Borrow	CY	412.000	412.000
0032	209.0300.S	Backfill Coarse Aggregate (size) 01. No. 2	CY	470.000	470.000
0034	213.0100	Finishing Roadway (project) 01. 6934-06-73	EACH	1.000	1.000
0036	214.0100	Obliterating Old Road	STA	3.000	3.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	185.000	185.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	28,695.000	28,695.000
0042	415.0080	Concrete Pavement 8-Inch	SY	5.000	5.000
0044	450.4000	HMA Cold Weather Paving	TON	5,505.000	5,505.000
0046	455.0605	Tack Coat	GAL	2,045.000	2,045.000
0048	460.2000	Incentive Density HMA Pavement	DOL	6,030.000	6,030.000
0050	460.5223	HMA Pavement 3 LT 58-28 S	TON	5,294.000	5,294.000
0052	460.5224	HMA Pavement 4 LT 58-28 S	TON	4,118.000	4,118.000
0054	465.0105	Asphaltic Surface	TON	1,923.000	1,923.000
0056	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	174.000	174.000
0058	465.0125	Asphaltic Surface Temporary	TON	34.000	34.000
0060	513.8031	Railing Steel Pedestrian Type C6	LF	818.000	818.000
0062	520.8000	Concrete Collars for Pipe	EACH	8.000	8.000
0064	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	3.000	3.000
0066	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0068	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0070	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000
0072	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	1.000	1.000
0074	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	1,944.000	1,944.000
0076	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	8,464.000	8,464.000
0078	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	150.000	150.000
0080	601.0600	Concrete Curb Pedestrian	LF	27.000	27.000
0082	602.0405	Concrete Sidewalk 4-Inch	SF	16,600.000	16,600.000
0084	602.0415	Concrete Sidewalk 6-Inch	SF	2,170.000	2,170.000
0086	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	340.000	340.000
0088	602.0810	Concrete Driveway 6-Inch	SY	289.000	289.000
0090	606.0200	Riprap Medium	CY	5.000	5.000
0092	606.0300	Riprap Heavy	CY	3,195.000	3,195.000
0094	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	76.000	76.000
0096	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	639.000	639.000
0098	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,390.000	1,390.000

6934-06-73

Line	Item	Item Description	Unit	Total	Qty
0100	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	779.000	779.000
0102	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	658.000	658.000
0104	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	243.000	243.000
0106	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	60.000	60.000
0108	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	541.000	541.000
0110	608.6008	Storm Sewer Pipe Composite 8-Inch	LF	6.000	6.000
0112	611.0420	Reconstructing Manholes	EACH	3.000	3.000
0114	611.0530	Manhole Covers Type J	EACH	32.000	32.000
0116	611.0624	Inlet Covers Type H	EACH	35.000	35.000
0118	611.0639	Inlet Covers Type H-S	EACH	7.000	7.000
0120	611.0642	Inlet Covers Type MS	EACH	1.000	1.000
0122	611.1004	Catch Basins 4-FT Diameter	EACH	12.000	12.000
0124	611.1006	Catch Basins 6-FT Diameter	EACH	12.000	12.000
0126	611.2003	Manholes 3-FT Diameter	EACH	3.000	3.000
0128	611.2004	Manholes 4-FT Diameter	EACH	13.000	13.000
0130	611.2005	Manholes 5-FT Diameter	EACH	8.000	8.000
0132	611.2006	Manholes 6-FT Diameter	EACH	8.000	8.000
0134	611.3004	Inlets 4-FT Diameter	EACH	3.000	3.000
0136	611.3230	Inlets 2x3-FT	EACH	15.000	15.000
0138	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0140	611.8110	Adjusting Manhole Covers	EACH	5.000	5.000
0142	612.0106	Pipe Underdrain 6-Inch	LF	1,125.000	1,125.000
0144	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	407.000	407.000
0146	613.1100.S	Cable Barrier Type 1	LF	6,103.000	6,103.000
0148	613.1200.S	Cable Barrier End Terminal Type 1	EACH	4.000	4.000
0150	614.2300	MGS Guardrail 3	LF	653.000	653.000
0152	614.2350	MGS Guardrail Short Radius	LF	57.000	57.000
0154	614.2630	MGS Guardrail Short Radius Terminal	EACH	4.000	4.000
0156	619.1000	Mobilization	EACH	1.000	1.000
0158	624.0100	Water	MGAL	402.000	402.000
0160	625.0100	Topsoil	SY	29,740.000	29,740.000
0162	628.1504	Silt Fence	LF	17,410.000	17,410.000
0164	628.1520	Silt Fence Maintenance	LF	17,410.000	17,410.000
0166	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0168	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0170	628.2006	Erosion Mat Urban Class I Type A	SY	29,740.000	29,740.000
0172	628.6005	Turbidity Barriers	SY	390.000	390.000
0174	628.7005	Inlet Protection Type A	EACH	48.000	48.000
0176	628.7015	Inlet Protection Type C	EACH	41.000	41.000
0178	628.7020	Inlet Protection Type D	EACH	13.000	13.000
0180	628.7504	Temporary Ditch Checks	LF	75.000	75.000
0182	628.7555	Culvert Pipe Checks	EACH	15.000	15.000
0184	629.0210	Fertilizer Type B	CWT	6.200	6.200
0186	630.0130	Seeding Mixture No. 30	LB	440.000	440.000
0188	630.0140	Seeding Mixture No. 40	LB	896.000	896.000
0190	630.0500	Seed Water	MGAL	663.000	663.000
0192	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	28.000	28.000
0194	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	24.000	24.000
0196	637.2210	Signs Type II Reflective H	SF	408.000	408.000

6934-06-73

Line	Item	Item Description	Unit	Total	Qty
0198	638.2102	Moving Signs Type II	EACH	1.000	1.000
0200	638.2602	Removing Signs Type II	EACH	37.000	37.000
0202	638.3000	Removing Small Sign Supports	EACH	27.000	27.000
0204	642.5201	Field Office Type C	EACH	1.000	1.000
0206	643.0300	Traffic Control Drums	DAY	4,659.000	4,659.000
0208	643.0420	Traffic Control Barricades Type III	DAY	3,429.000	3,429.000
0210	643.0705	Traffic Control Warning Lights Type A	DAY	8,549.000	8,549.000
0212	643.0715	Traffic Control Warning Lights Type C	DAY	665.000	665.000
0214	643.0900	Traffic Control Signs	DAY	27,253.000	27,253.000
0216	643.5000	Traffic Control	EACH	1.000	1.000
0218	644.1410	Temporary Pedestrian Surface Asphalt	SF	8,130.000	8,130.000
0220	644.1601	Temporary Pedestrian Curb Ramp	DAY	574.000	574.000
0222	644.1605	Temporary Pedestrian Detectable Warning Field	SF	200.000	200.000
0224	644.1810	Temporary Pedestrian Barricade	LF	8,940.000	8,940.000
0226	645.0112	Geotextile Type DF Schedule B	SY	1,440.000	1,440.000
0228	645.0120	Geotextile Type HR	SY	6,600.000	6,600.000
0230	646.2020	Marking Line Epoxy 6-Inch	LF	40,660.000	40,660.000
0232	646.5020	Marking Arrow Epoxy	EACH	15.000	15.000
0234	646.5220	Marking Symbol Epoxy	EACH	15.000	15.000
0236	646.6120	Marking Stop Line Epoxy 18-Inch	LF	152.000	152.000
0238	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	26,250.000	26,250.000
0240	646.7505	Marking Crosswalk Paint Block Style 24-Inch	LF	276.000	276.000
0242	646.8320	Marking Parking Stall Epoxy	LF	297.000	297.000
0244	650.4000	Construction Staking Storm Sewer	EACH	82.000	82.000
0246	650.4500	Construction Staking Subgrade	LF	12,103.000	12,103.000
0248	650.5000	Construction Staking Base	LF	12,103.000	12,103.000
0250	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	10,558.000	10,558.000
0252	650.9000	Construction Staking Curb Ramps	EACH	25.000	25.000
0254	650.9500	Construction Staking Sidewalk (project) 01. 6943-06-73	EACH	1.000	1.000
0256	650.9911	Construction Staking Supplemental Control (project) 01. 6943-06-73	EACH	1.000	1.000
0258	650.9920	Construction Staking Slope Stakes	LF	12,103.000	12,103.000
0260	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	130.000	130.000
0262	690.0150	Sawing Asphalt	LF	3,216.000	3,216.000
0264	690.0250	Sawing Concrete	LF	366.000	366.000
0266	740.0440	Incentive IRI Ride	DOL	8,940.000	8,940.000
0268	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0270	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,760.000	2,760.000
0272	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	12.500	12.500
0274	SPV.0035	Special 01. Borrow Special	CY	13,903.000	13,903.000
0276	SPV.0060	Special 01. Utility Line Opening	EACH	1.000	1.000
0278	SPV.0060	Special 02. Remove 4-Inch Valve	EACH	3.000	3.000
0280	SPV.0060	Special 03. Remove 6-Inch Valve	EACH	10.000	10.000
0282	SPV.0060	Special 04. Remove 8-Inch Valve	EACH	1.000	1.000
0284	SPV.0060	Special 05. Remove Hydrant & Auxiliary Valve	EACH	6.000	6.000
0286	SPV.0060	Special 06. Watermain 4-Inch Bend	EACH	2.000	2.000
0288	SPV.0060	Special 07. Watermain 6-Inch Bend	EACH	9.000	9.000
0290	SPV.0060	Special 08. Watermain 8-Inch Bend	EACH	4.000	4.000
0292	SPV.0060	Special 09. Watermain 10-Inch Bend	EACH	8.000	8.000
0294	SPV.0060	Special 10. Watermain 12-Inch Bend	EACH	11.000	11.000

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Line	Item	Item Description	Unit	Total	Qty
0296	SPV.0060	Special 11. Watermain 10X10X4 Tee	EACH	1.000	1.000
0298	SPV.0060	Special 12. Watermain 10X10X6 Tee	EACH	1.000	1.000
0300	SPV.0060	Special 13. Watermain 10X10X10 Tee	EACH	1.000	1.000
0302	SPV.0060	Special 14. Watermain 12X12X8 Tee	EACH	1.000	1.000
0304	SPV.0060	Special 15. Watermain 12X12X10 Tee	EACH	1.000	1.000
0306	SPV.0060	Special 16. Watermain 12X12X12 Tee	EACH	2.000	2.000
0308	SPV.0060	Special 17. Watermain 10X6 Reducer	EACH	2.000	2.000
0310	SPV.0060	Special 18. Watermain 12X6 Reducer	EACH	2.000	2.000
0312	SPV.0060	Special 19. Watermain 12X10 Reducer	EACH	1.000	1.000
0314	SPV.0060	Special 20. 4-Inch Watermain Connection	EACH	1.000	1.000
0316	SPV.0060	Special 21. 6-Inch Watermain Connection	EACH	6.000	6.000
0318	SPV.0060	Special 22. 8-Inch Watermain Connection	EACH	3.000	3.000
0320	SPV.0060	Special 23. 10-Inch Watermain Connection	EACH	1.000	1.000
0322	SPV.0060	Special 24. 12-Inch Watermain Connection	EACH	1.000	1.000
0324	SPV.0060	Special 25. Watermain 4-Inch Valve	EACH	1.000	1.000
0326	SPV.0060	Special 26. Watermain 6-Inch Valve	EACH	4.000	4.000
0328	SPV.0060	Special 27. Watermain 8-Inch Valve	EACH	1.000	1.000
0330	SPV.0060	Special 28. Watermain 10-Inch Valve	EACH	6.000	6.000
0332	SPV.0060	Special 29. Watermain 12-Inch Valve	EACH	8.000	8.000
0334	SPV.0060	Special 30. Hydrant Complete, Auxiliary Valve & All Fittings	EACH	10.000	10.000
0336	SPV.0060	Special 31. Service Brass, Tap, Box, Saddle, Corp & Valve	EACH	10.000	10.000
0338	SPV.0060	Special 32. Adjusting Water Valve Boxes	EACH	9.000	9.000
0340	SPV.0060	Special 33. Adjusting Double Flush Risers	EACH	1.000	1.000
0342	SPV.0060	Special 34. Hydrant 12-Inch Vertical Extension	EACH	1.000	1.000
0344	SPV.0060	Special 35. Hydrant 6-Inch Vertical Extension	EACH	1.000	1.000
0346	SPV.0060	Special 36. Relocate Hydrant	EACH	1.000	1.000
0348	SPV.0060	Special 37. Adjusting Air Release Manhole	EACH	1.000	1.000
0350	SPV.0090	Special 01. 4-Inch Dia. Perforated Wall Drain - Wrapped	LF	115.000	115.000
0352	SPV.0090	Special 02. Watermain Construction Staking	LF	4,277.000	4,277.000
0354	SPV.0090	Special 03. 4-Inch Watermain, Open Cut	LF	26.000	26.000
0356	SPV.0090	Special 04. 6-Inch Watermain, Open Cut	LF	124.000	124.000
0358	SPV.0090	Special 05. 8-Inch Watermain, Open Cut	LF	171.000	171.000
0360	SPV.0090	Special 06. 10-Inch Watermain, Open Cut	LF	1,088.000	1,088.000
0362	SPV.0090	Special 07. 12-Inch Watermain, Open Cut	LF	2,768.000	2,768.000
0364	SPV.0090	Special 08. 12-Inch Watermain, Directionally Bored	LF	100.000	100.000
0366	SPV.0090	Special 09. 1-Inch PEX Water Service	LF	179.000	179.000
0368	SPV.0090	Special 11. Storm Sewer Pipe Composite 6-Inch	LF	9.000	9.000
0370	SPV.0165	Special 01. Wall Modular Block Mechanically Stabilized Earth (R-71-0024)	SF	1,011.000	1,011.000
0372	SPV.0165	Special 02. Wall Modular Block Gravity (R-71-0025)	SF	852.000	852.000
0374	SPV.0165	Special 03. Wall Modular Block Gravity (R-71-0026)	SF	483.000	483.000
0376	SPV.0165	Special 04. Salvage and Reset Landscape Rock	SF	3,200.000	3,200.000
0378	SPV.0165	Special 05. Insulation	SF	737.000	737.000
0380	SPV.0180	Special 01. Removing Concrete Pavement Special	SY	2,940.000	2,940.000
0382	SPV.0180	Special 02. Preparing Topsoil for Lawn Type Turf	SY	19,910.000	19,910.000
0384	SPV.0195	Special 01. Infill Riprap River Embankment	TON	1,056.000	1,056.000

GRUBBING

STATION		TO STATION	ROADWAY	201.0205 GRUBBING STA	COMMENT
PROJECT 6934-06-73					
CATEGORY 0010					
155+00	-	156+00	CTH U	1	
157+00	-	160+00	CTH U	3	
161+00	-	165+00	CTH U	4	
171+00	-	183+00	CTH U	12	
184+00	-	193+00	CTH U	9	INCLUDING (2) LARGE STUMPS ALONG SIDEWALK ALIGNMENT
194+00	-	196+00	CTH U	2	GRUBBING NEAR SIDEWALK ALIGNMENT

PROJECT TOTAL 31

REMOVING CURB AND GUTTER

STATION		TO STATION	DIR	ROADWAY	204.0150* REMOVING CURB & GUTTER LF
PROJECT 6934-06-73					
CATEGORY 0010					
150+25	-	150+30	LT	CTH U	5
10+50	-	10+75	LT/RT	BEAVER ST W	55
11+25	-	11+50	LT/RT	BEAVER ST E	50
20+65	-	20+77	LT/RT	MILL ENTRA	25
25+14	-	25+50	LT/RT	BADGER ST	70
30+22	-	30+91	LT/RT	OTTER ST	65
40+16	-	40+59	LT/RT	BEAR ST	85
50+03	-	50+50	LT/RT	ELK ST	105
90+00	-	90+57	LT/RT	HUFFMAN RD	140

PROJECT TOTALS 600*

*CATEGORY 0010 TOTALS - ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN REMOVALS TABLE

ROADWAY REMOVALS

STATION		TO STATION	ROADWAY	204.0100* REMOVING CONCRETE PAVEMENT SY	SPV.0180.01 REMOVING CONCRETE PAVEMENT SPECIAL SY	204.0155* REMOVING CONCRETE SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	204.0167 REMOVING CABLE BARRIER LF	214.0100 OBLITERATING OLD ROAD STA	COMMENT
PROJECT 6934-06-73										
CATEGORY 0010										
150+30	-	153+00	CTH U	680	---	---	---	---	---	
153+00	-	159+00	CTH U	1,500	---	---	---	---	---	
159+00	-	165+00	CTH U	1,760	---	150	---	---	---	
165+00	-	171+00	CTH U	2,390	---	645	---	---	---	
171+00	-	177+00	CTH U	2,200	---	310	---	---	---	
177+00	-	183+00	CTH U	1,920	---	310	---	---	---	
183+00	-	189+00	CTH U	---	1,480	310	---	---	---	
189+00	-	195+00	CTH U	---	1,460	20	---	---	3	OBLIT. FOR SHORT ST BEYOND PARKING LOT CONSTRUCTION LIMITS
195+00	-	210+00	CTH U	3,660	---	---	---	1,400	---	
210+00	-	245+00	CTH U	8,250	---	---	215	3,870	---	
245+00	-	268+31	CTH U	5,700	---	---	---	1,320	---	
PROJECT TOTALS				28,060*	2,940	1,745*	215	6,590	3	

*CATEGORY 0010 TOTALS - ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN REMOVALS TABLE

3

REMOVING STORM SEWER STRUCTURES

STATION	OFFSET	DIR	ROADWAY	204.0210* REMOVING MANHOLES EA	204.0220 REMOVING INLETS EA	COMMENT
PROJECT 6934-06-73						
CATEGORY 0010						
165+28	23'	LT	CTH U	---	1	
165+30	20'	RT	CTH U	---	1	
165+41	14'	LT	CTH U	1	---	
165+72	23'	LT	CTH U	---	1	
165+73	21'	RT	CTH U	---	1	
169+85	22'	LT	CTH U	---	1	
169+95	15'	RT	CTH U	---	1	
170+07	19'	LT	CTH U	---	1	
170+32	18'	LT	CTH U	---	1	
170+41	20'	RT	CTH U	---	1	
173+28	15'	RT	CTH U	---	1	
173+41	17'	LT	CTH U	---	1	
173+44	22'	LT	CTH U	---	1	
174+77	16'	RT	CTH U	---	1	
174+85	21'	RT	CTH U	---	1	
175+06	40'	RT	CTH U	1	---	
175+27	21'	RT	CTH U	---	1	
179+06	22'	RT	CTH U	---	1	
179+25	43'	RT	CTH U	1	---	
179+46	21'	RT	CTH U	---	1	
184+80	3'	LT	CTH U	1	---	
189+74	7'	LT	CTH U	---	1	
			PROJECT TOTALS	4*	18	

*CATEGORY 0010 TOTALS - ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN REMOVALS TABLE

3

REMOVING STORM SEWER

STATION		TO STATION	ROADWAY	204.0245.01 6-INCH LF	204.0245.02 8-INCH LF	204.0245.03 12-INCH LF	204.0245.04 18-INCH LF	COMMENT
PROJECT 6934-06-73								
CATEGORY 0010								
165+04	-	165+41	CTH U	---	---	35	---	
165+28	-	165+41	CTH U	---	12	---	---	
165+30	-	165+41	CTH U	---	31	---	---	
165+41	-	165+44	CTH U	---	---	55	---	
165+41	-	165+47	CTH U	---	---	---	45	
165+41	-	165+70	CTH U	---	29	---	---	
165+41	-	165+72	CTH U	---	43	---	---	
165+41	-	165+83	CTH U	---	---	42	---	
165+41	-	165+73	CTH U	---	---	47	---	
165+41	-	165+83	CTH U	---	---	42	---	
169+95	-	170+07	CTH U	---	---	32	---	
170+05	-	170+07	CTH U	---	---	11	---	
170+07	-	170+11	CTH U	---	---	28	---	
170+07	-	172+31	CTH U	---	---	23	---	
170+07	-	170+41	CTH U	---	---	48	---	
170+07	-	172+88	CTH U	---	---	280	---	
170+40	-	170+72	CTH U	---	---	31	---	
172+89	-	173+28	CTH U	47	---	---	---	
172+89	-	173+44	CTH U	---	---	53	---	
173+41	-	173+44	CTH U	3	---	---	---	
174+85	-	175+07	CTH U	25	---	---	---	
175+07	-	175+27	CTH U	23	---	---	---	
179+05	-	179+25	CTH U	---	25	---	---	
179+25	-	179+46	CTH U	---	26	---	---	
189+40	-	191+21	CTH U	177	---	---	---	SHORT ST STORM SEWER
191+21	-	191+30	CTH U	16	---	---	---	SHORT ST STORM SEWER
191+21	-	191+37	CTH U	44	---	---	---	SHORT ST STORM SEWER
		PROJECT TOTALS		335	166	692	45	

EARTHWORK SUMMARY

ROADWAY	STA - STA	205.0100 EXCAV. COMMON NOTE 1	205.0100 EBS NOTE 7	SALV/ UNUSABLE PAVEMENT MATERIAL NOTE 2	AVAIL. MATERIAL	FILL NOTE 3	205.0400 EXCAV. MARSH NOTE 4	CONC PAVT REMOVAL BEYOND SUBGRADE NOTE 5	EXPANDED FILL / BACKFILL FILL 1.25 NOTE 3	EXPANDED FILL / BACKFILL MARSH BACKFILL 1.50 NOTE 4	EXPANDED FILL / BACKFILL CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL 1.25 NOTE 5	EXPANDED FILL / BACKFILL EBS 1.25 NOTE 7	MASS ORDINATE NOTE 6	WASTE NOTE 8	208.0100 BORROW	SPV.0035.01 BORROW SPECIAL CY	COMMENT
CATEGORY 0010																	
CTH U STAGE 1	150+30 - 171+00	3,884	---	1,888	1,996	680	---	208	850	---	260	---	886	2,982	---	---	
SWALE	175+50 - 179+25	2,139	---	---	2,139	---	---	---	---	---	---	---	2,139	2,139	---	---	STOCKPILE FOR USE IN STAGE 2
BEAVER ST W	10+50 - 10+63	19	---	---	19	---	---	---	---	---	---	---	19	19	---	---	
BEAVER ST E	11+37 - 11+50	20	---	---	20	---	---	---	---	---	---	---	20	20	---	---	
BADGER ST	25+42 - 25+50	11	---	---	11	---	---	---	---	---	---	---	11	11	---	---	
	STAGE 1 SUBTOTALS	6,073	---	1,888	4,185	680	---	208	850	---	260	---		5,171	---	---	
CTH U STAGE 2	171+00 - 195+50	4,396	2,709	2,074	2,322	800	---	308	1,000	---	385	3,386	-2,449	5,091	310	---	USE SWALE WASTE FROM STAGE 1
OTTER ST	30+37 - 30+50	20	63	---	20	---	---	---	---	---	---	79	-59	63	59	---	
BEAR ST	40+37 - 40+50	23	53	---	23	---	---	---	---	---	---	66	-43	53	43	---	
ELK ST	50+41 - 50+50	14	---	---	14	---	---	---	---	---	---	---	14	14	---	---	
FOX ST	60+40 - 60+60	20	---	---	20	---	---	---	---	---	---	---	20	20	---	---	
SIDEWALK	2+50 - 8+75	53	---	---	53	14	---	---	18	---	---	---	36	36	---	---	
	STAGE 2 SUBTOTALS	4,526	2,825	2,074	2,452	814	---	308	1,018	---	385	3,531		5,277	412	---	
CTH U STAGE 3	195+50 - 254+00	5,018	---	3,527	1,491	8,768	1,922	1,241	10,960	2,883	1,551	---	-13,903	6,690	---	13,903	SEE COMMENT A
CTH U STAGE 3	254+00 - 268+30	1,687	---	784	903	634	---	53	793	---	66	---	44	881	---	---	
MARSH RD	80+50 - 81+28	48	---	---	48	19	---	---	24	---	---	---	24	24	---	---	
HUFFMAN RD	90+50 - 91+44	96	---	---	96	6	---	---	8	---	---	---	89	89	---	---	
	STAGE 3 SUBTOTALS	6,849	---	4,311	2,538	9,427	1,922	1,294	11,784	2,883	1,618	---		7,684	---	13,903	
	CATEGORY 0010 SUBTOTALS	20,273		8,273	9,175	10,921	1,922	1,810	13,651	2,883	2,263	3,531		18,132	412	13,903	
CATEGORY 0030																	
PARKING LOT TRAIL		---	---	---	---	84	---	---	105	---	---	---	-105	---	---	---	USE SUITABLE WASTE FROM
PARKING LOT		---	---	---	---	258	---	---	323	---	---	---	-323	---	---	---	CTH U STAGE 1
	CATEGORY 0030 SUBTOTALS	---		---	---	342	---	---	428	---	---	---		---	---	---	
	PROJECT TOTALS	20,273		8,273	9,175	11,263	1,922	1,810	14,079	2,883	2,263	3,531		18,132	412	13,903	

COMMENT A: ASSUMES NON-PAVEMENT MATERIAL EXCAVATED WITHIN EMBANKMENT LIMITS IS SUITABLE AS BORROW SPECIAL.

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL	FILL DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR OVERLAYING FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
8 - WASTE	WASTE = UNUSED CUT + SALVAGED / UNUSABLE MATERIAL + CONC PAVT REMOVAL BELOW SUBGRADE + MARSH EXCAVATION + EBS.

3

ROADWAY BASE AGGREGATE DENSE

STATION TO STATION			ROADWAY	305.0110	305.0120			624.0100
				BASE AGGREGATE DENSE 3/4-INCH	BASE AGGREGATE DENSE 1 1/4-INCH			WATER
				ROADWAY TON	ROADWAY TON	SW / PATH TON	DRIVEWAYS TON	MGAL
PROJECT 6934-06-73								
CATEGORY 0010								
150+29	-	153+00	CTH U	25	570	115	25	10
153+00	-	159+00	CTH U	50	1,270	240	90	23
159+00	-	165+00	CTH U	---	1,275	170	90	21
165+00	-	171+00	CTH U	---	1,500	130	---	23
171+00	-	177+00	CTH U	---	1,395	65	---	20
177+00	-	183+00	CTH U	---	1,360	65	20	20
183+00	-	189+00	CTH U	---	1,345	65	---	20
189+00	-	195+00	CTH U	---	1,355	165	---	21
195+00	-	210+00	CTH U	20	2,510	1,145	---	51
210+00	-	245+00	CTH U	65	5,255	2,555	85	111
245+00	-	268+31	CTH U	20	4,105	665	300	71
			CATEGORY 0010 TOTALS	180	21,940	5,380	610	391
						27,930		
CATEGORY 0030								
PARKING LOT			---	---	265	---	---	4
			CATEGORY 0030 TOTALS	---	265	---	---	4
						265		
			PROJECT TOTALS	180**		28,195**		395**

**PARTIAL PROJECT TOTALS - CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN BASE AGGREGATE DENSE AND BREAKER RUN TABLE

3

ROADWAY ASPHALTIC ITEMS

STATION TO STATION			ROADWAY	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	450.4000 HMA COLD WEATHER PAVING TON	COMMENTS
PROJECT 6439-06-73											
CATEGORY 0010											
150+29	-	153+00	CTH U	45	120	94	52	11	---	---	
153+00	-	159+00	CTH U	105	269	209	107	45	19	---	
159+00	-	165+00	CTH U	105	276	215	62	35	9	---	
165+00	-	171+00	CTH U	130	336	261	---	---	6	---	
171+00	-	177+00	CTH U	120	308	239	---	---	---	---	
177+00	-	183+00	CTH U	115	298	232	---	---	---	---	
183+00	-	189+00	CTH U	115	294	229	---	---	---	---	
189+00	-	195+00	CTH U	115	297	231	61	---	---	---	
195+00	-	210+00	CTH U	270	698	543	257	---	---	1,241	
210+00	-	245+00	CTH U	565	1,462	1,137	605	---	---	2,600	
245+00	-	268+31	CTH U	360	936	728	292	79	---	1,664	
CATEGORY 0010 TOTALS				2,045	5,294	4,118	1,436	170	34	5,505	
CATEGORY 0030											
PARKING LOT			---	---	---	---	175	---	---	---	
CATEGORY 0030 TOTALS				---	---	---	175	---	---	---	
PROJECT TOTALS				2,045	5,294	4,118	1,611**	170**	34	5,505	

**PARTIAL PROJECT TOTALS - CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN ASPHALTIC ITEMS TABLE

PEDESTRIAN RAILING

STATION	TO	STATION	DIR	ROADWAY	513.8031 RAILING STEEL PEDESTRIAN TYPE C6 LF
PROJECT 6934-06-73					
CATEGORY 0010					
244+94	-	245+46	LT	CTH U	50
245+29	-	245+70	RT	CTH U	50
247+05	-	251+42	RT	CTH U	441
251+65	-	253+28	RT	CTH U	169
255+19	-	256+25	RT	CTH U	108
PROJECT TOTAL					818

ROADWAY CONCRETE CURB AND GUTTER

STATION		TO STATION	DIR	ROADWAY	601.0407 18-INCH TYPE D LF	601.0411 30-INCH TYPE D LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
PROJECT 6934-06-73									
CATEGORY 0010									
150+25	-	165+00	LT	CTH U	---	1,486	---	---	1,486
158+30	-	165+00	RT	CTH U	---	667	---	---	667
165+00	-	171+00	LT	CTH U	---	622	---	---	622
165+00	-	171+00	RT	CTH U	---	620	---	27	620
171+00	-	177+00	LT	CTH U	---	598	---	---	598
171+00	-	177+00	RT	CTH U	---	618	---	---	618
177+00	-	183+00	LT	CTH U	---	601	---	---	601
177+00	-	183+00	RT	CTH U	---	620	---	---	620
183+00	-	189+00	LT	CTH U	---	599	---	---	599
183+00	-	189+00	RT	CTH U	---	612	---	---	612
189+00	-	195+53	LT	CTH U	---	659	---	---	659
189+00	-	195+48	RT	CTH U	---	627	---	---	627
245+03	-	264+41	RT	CTH U	1,944	---	---	---	1,944
264+41	-	264+87	RT	CTH U	---	---	74	---	74
265+20	-	265+68	RT	CTH U	---	---	76	---	76
				PROJECT TOTALS	1,944	8,329*	150	27	10,423*

*CATEGORY 0010 TOTAL ONLY - ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN CONCRETE CURB AND GUTTER TABLE

ROADWAY CONCRETE DRIVEWAY

STATION	DIR	ROADWAY	602.0810 6-INCH SY
PROJECT 6934-06-73			
CATEGORY 0010			
163+20	RT	CTH U	31
258+60	RT	CTH U	97
259+50	RT	CTH U	57
261+00	RT	CTH U	75
		CATEGORY 0010 TOTAL	260*

*ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN CONCRETE DRIVEWAY TABLE

ROADWAY CONCRETE SIDEWALK

STATION		TO STATION	ROADWAY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EA	650.9500 CONSTRUCTION STAKING SIDEWALK 01.6943-06-73 EA
PROJECT 6934-06-73								
CATEGORY 0010								
159+00	-	165+00	CTH U	1,545	285	40	2	---
165+00	-	171+00	CTH U	4,960	715	100	9	---
171+00	-	177+00	CTH U	2,750	75	20	2	---
177+00	-	183+00	CTH U	2,740	80	20	2	---
183+00	-	189+00	CTH U	2,775	80	20	2	---
189+00	-	195+00	CTH U	1,695	75	20	2	---
195+00	-	210+00	CTH U	---	315	40	2	---
245+00	-	268+31	CTH U	---	545	80	4	---
		UNDISTRIBUTED		---	---	---	---	1
			PROJECT TOTALS	16,465*	2,170	340	25	1

NOTE: QUANTITIES ON SIDEROADS INCLUDED IN MAINLINE QUANTITIES

*CATEGORY 0010 TOTAL ONLY- ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN CONCRETE SIDEWALK TABLE

RIPRAP AND GEOTEXTILE

STATION TO STATION			DIR	ROADWAY	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	SPV.0195.01 INFILL RIPRAP RIVER EMBANKMENT TON
PROJECT 6934-06-73								
CATEGORY 0010								
161+12	-	161+26	RT	CTH U	5	---	15	2
197+59	-	199+50	RT	CTH U	---	75	200	25
200+57	-	201+75	RT	CTH U	---	50	130	17
203+50	-	206+91	RT	CTH U	---	140	365	47
209+49	-	211+00	RT	CTH U	---	55	150	17
211+80	-	213+00	RT	CTH U	---	25	95	9
213+13	-	218+07	RT	CTH U	---	390	805	129
218+35	-	223+19	RT	CTH U	---	575	1,085	190
223+71	-	224+10	RT	CTH U	---	10	30	3
224+70	-	236+90	RT	CTH U	---	1,170	2,295	385
237+68	-	245+03	RT	CTH U	---	635	1,285	209
257+47	-	258+30	LT	CTH U	---	70	145	23
				PROJECT TOTALS	5	3,195	6,600	1,056

STORM SEWER PIPES

FROM	-	TO	ROADWAY	608.2419	608.0312	608.0318	608.0412	608.0415	608.0418	608.0424	608.0430	SPV.0090.11	608.6008
				STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS IV	STORM SEWER PIPE REINF CONCRETE CLASS III		STORM SEWER PIPE REINFORCED CONCRETE CLASS IV					STORM SEWER PIPE COMPOSITE	STORM SEWER PIPE COMPOSITE
				19X30-INCH	12-INCH	18-INCH	12-INCH	15-INCH	18-INCH	24-INCH	30-INCH	6-INCH	8-INCH
				LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
PROJECT 6439-06-73													
CATEGORY 0010													
AEW 1.1	-	MH 1.0	CTH U	---	---	---	---	---	---	30	---	---	---
MH 1.0	-	MH 1.3	CTH U	---	---	---	---	---	---	213	---	---	---
MH 1.3	-	MH 1.4	CTH U	---	---	---	---	---	---	---	34	---	---
AEW 1.2	-	MH 1.3	CTH U	---	---	---	---	---	---	---	26	---	---
CB 1.6	-	MH 1.4	CTH U	---	---	---	33	---	---	---	---	---	---
INL 3.2	-	MH 3.0	CTH U	---	---	---	12	---	---	---	---	---	---
CB 3.1	-	MH 3.0	CTH U	---	---	---	22	---	---	---	---	---	---
INL 2.1	-	MH 2.0	CTH U	---	---	---	24	---	---	---	---	---	---
MH 2.0	-	MH 2.2	CTH U	---	---	---	250	---	---	---	---	---	---
MH 2.2	-	AEW 2.3	CTH U	---	---	---	72	---	---	---	---	---	---
MH 3.0	-	MH 4.0	CTH U	---	---	161	---	---	---	---	---	---	---
MH 4.0	-	MH 5.0	CTH U	---	---	144	---	---	---	---	---	---	---
MH 5.0	-	MH 6.0	CTH U	---	---	26	---	---	---	---	---	---	---
MH 9.0	-	MH 6.0	CTH U	---	---	---	29	---	---	---	---	---	---
CC 11	-	MH 9.0	CTH U	---	11	---	---	---	---	---	---	---	---
MH 6.0	-	EX MH 70296	CTH U	---	---	45	---	---	---	---	---	---	---
MH 7.0	-	MH 6.0	CTH U	---	---	57	---	---	---	---	---	---	---
CC 1	-	MH 7.0	CTH U	---	6	---	---	---	---	---	---	---	---
MH 8.0	-	MH 6.0	CTH U	---	---	---	---	44	---	---	---	---	---
MH 10.0	-	MH 8.0	CTH U	---	---	---	---	33	---	---	---	---	---
CB 4.1	-	MH 4.0	CTH U	---	---	---	22	---	---	---	---	---	---
INL 5.3	-	INL 5.1	CTH U	---	---	---	10	---	---	---	---	---	---
INL 5.1	-	MH 5.0	CTH U	---	---	---	---	12	---	---	---	---	---
CB 5.2	-	MH 5.0	CTH U	---	---	---	24	---	---	---	---	---	---
INL 7.1	-	MH 7.0	CTH U	---	---	---	---	8	---	---	---	---	---
INL 7.2	-	INL 7.1	CTH U	---	---	---	10	---	---	---	---	---	---
INL 8.1	-	MH 8.0	CTH U	---	---	---	24	---	---	---	---	---	---
CC 3	-	MH 8.0	CTH U	---	---	---	---	---	---	---	---	9	---
INL 10.2	-	MH 10.0	CTH U	---	---	---	22	---	---	---	---	---	---
CB 10.1	-	MH 10.0	CTH U	---	---	---	12	---	---	---	---	---	---
CB 11.2	-	MH 11.0	CTH U	---	---	---	---	67	---	---	---	---	---
MH 11.0	-	MH 12.0	CTH U	---	---	---	---	17	---	---	---	---	---
MH 14.0	-	MH 12.0	CTH U	---	---	27	---	---	---	---	---	---	---
MH 15.0	-	MH 14.0	CTH U	---	---	141	---	---	---	---	---	---	---
CB 15.3	-	MH 15.0	CTH U	---	---	---	---	119	---	---	---	---	---
INL 11.1	-	CB 11.2	CTH U	---	---	---	35	---	---	---	---	---	---
INL 1.2	-	CC 7	CTH U	---	---	13	---	---	---	---	---	---	---
MH 12.0	-	INL 12.2	CTH U	---	---	25	---	---	---	---	---	---	---
CC 4	-	MH 11.0	CTH U	---	---	---	---	---	---	---	---	---	6
CC 6	-	INL 12.2	CTH U	---	8	---	---	---	---	---	---	---	---
CC 8	-	MH 12.0	CTH U	---	6	---	---	---	---	---	---	---	---
INL 12.1	-	MH 12.0	CTH U	---	---	---	43	---	---	---	---	---	---
MH 13.0	-	MH 12.0	CTH U	---	---	---	---	49	---	---	---	---	---
CC 5	-	MH 13.0	CTH U	---	---	---	5	---	---	---	---	---	---
CB 15.2	-	MH 15.0	CTH U	---	---	---	13	---	---	---	---	---	---
PAGE SUBTOTALS				0	31	639	662	349	0	243	60	9	6

STORM SEWER PIPES CONTINUED

FROM	-	TO	ROADWAY	608.2419	608.0312	608.0318	608.0412	608.0415	608.0418	608.0424	608.0430	SPV.0090.11	608.6008
				STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS IV 19X30-INCH	STORM SEWER PIPE REINF CONCRETE CLASS III		STORM SEWER PIPE REINFORCED CONCRETE CLASS IV					STORM SEWER PIPE COMPOSITE 6-INCH	STORM SEWER PIPE COMPOSITE 8-INCH
					12-INCH	18-INCH	12-INCH	15-INCH	18-INCH	24-INCH	30-INCH		
				LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
PROJECT 6439-06-73													
CATEGORY 0010													
CB 15.1	-	MH 15.0	CTH U	---	---	---	24	---	---	---	---	---	---
CB 15.3	-	CB 15.4	CTH U	---	---	---	35	---	---	---	---	---	---
CB 16.2	-	CB 16.1	CTH U	---	---	---	40	---	---	---	---	---	---
CB 16.1	-	MH 16.0	CTH U	---	---	---	---	34	---	---	---	---	---
CB 16.3	-	MH 16.0	CTH U	---	---	---	16	---	---	---	---	---	---
MH 16.0	-	MH 17.0	CTH U	---	---	---	---	58	---	---	---	---	---
MH 17.0	-	EX MH 15158	CTH U	---	---	---	---	56	---	---	---	---	---
AEW 17.0	-	MH 17.0	CTH U	---	---	---	96	---	---	---	---	---	---
MH 19.0	-	MH 22.0	CTH U	38	---	---	---	---	---	---	---	---	---
INL 18.0	-	INL 18.1	CTH U	---	---	---	12	---	---	---	---	---	---
INL 18.1	-	INL 18.2	CTH U	---	---	---	---	35	---	---	---	---	---
INL 18.2	-	AEW 18.3	CTH U	---	---	---	---	---	21	---	---	---	---
INL 20.1	-	MH 20.0	CTH U	---	---	---	18	---	---	---	---	---	---
INL 20.2	-	MH 20.0	CTH U	---	---	---	18	---	---	---	---	---	---
MH 19.0	-	MH 20.0	CTH U	38	---	---	---	---	---	---	---	---	---
MH 20.0	-	MH 21.0	CTH U	13	---	---	---	---	---	---	---	---	---
MH 21.0	-	AEW 21.1	CTH U	28	---	---	---	---	---	---	---	---	---
INL 22.2	-	MH 22.0	CTH U	---	---	---	23	---	---	---	---	---	---
INL 22.1	-	MH 22.0	CTH U	---	---	---	12	---	---	---	---	---	---
MH 22.0	-	MH 23.0	CTH U	206	---	---	---	---	---	---	---	---	---
MH 23.0	-	MH 24.0	CTH U	218	---	---	---	---	---	---	---	---	---
MH 24.0	-	MH 25.0	CTH U	---	---	---	---	---	92	---	---	---	---
MH 25.0	-	MH 26.0	CTH U	---	---	---	---	---	145	---	---	---	---
INL 24.2	-	MH 24.0	CTH U	---	---	---	23	---	---	---	---	---	---
INL 24.1	-	MH 24.0	CTH U	---	---	---	12	---	---	---	---	---	---
INL 26.2	-	MH 26.0	CTH U	---	---	---	22	---	---	---	---	---	---
INL 26.1	-	MH 26.0	CTH U	---	---	---	12	---	---	---	---	---	---
MH 27.0	-	MH 26.0	CTH U	---	---	---	---	---	200	---	---	---	---
MH 28.0	-	MH 27.0	CTH U	---	---	---	---	---	200	---	---	---	---
MH 29.0	-	MH 28.0	CTH U	---	---	---	---	225	---	---	---	---	---
INL 28.1	-	INL 28.2	CTH U	---	---	---	10	---	---	---	---	---	---
INL 28.2	-	MH 28.0	CTH U	---	---	---	---	22	---	---	---	---	---
INL 28.3	-	MH 28.0	CTH U	---	---	---	13	---	---	---	---	---	---
INL 29.1	-	MH 29.0	CTH U	---	---	---	13	---	---	---	---	---	---
INL 29.2	-	INL 29.1	CTH U	---	45	---	---	---	---	---	---	---	---
INL 31.3	-	INL 31.2	CTH U	---	---	---	99	---	---	---	---	---	---
INL 31.2	-	INL 31.1	CTH U	---	---	---	86	---	---	---	---	---	---
INL 31.1	-	MH 31.O	CTH U	---	---	---	102	---	---	---	---	---	---
MH 31.0	-	AEW 31.4	CTH U	---	---	---	42	---	---	---	---	---	---
		PAGE SUBTOTALS		541	45	0	728	430	658	0	0	0	0
		PROJECT TOTALS		541	76	639	1390	779	658	243	60	9	6

STORM SEWER STRUCTURES

STRUCTURE	ROADWAY	520.8000	522.1012	522.1018	522.1024	522.1030	522.2619	611.0530	611.0624	611.0639	611.0642	611.1004	611.1006	611.2003	611.2004	611.2005	611.2006	611.3004	611.3230	611.3901	650.4000
		CONCRETE COLLARS FOR PIPE	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE				APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONRETE HORIZONTAL ELLIPTICAL	MANHOLE COVERS TYPE J	INLET COVERS			CATCH BASINS		MANHOLES				INLETS			CONSTRUCTION STAKING STORM SEWER
			12-INCH	18-INCH	24-INCH	30-INCH	19X30-INCH		TYPE H	TYPE H-S	TYPE MS	4-FT DIAMETER	6-FT DIAMETER	3-FT DIAMETER	4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	4-FT DIAMETER	2X3-FT	MEDIAN 1 GRATE	
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
PROJECT 6934-06-73																					
CATEGORY 0010																					
AEW 1.1	CTH U	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
MH 1.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
MH 1.4	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
MH 1.3	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
AEW 1.2	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
CB 1.6	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
INL 2.1	CTH U	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
MH 2.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
MH 2.2	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
AEW 2.3	CTH U	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
CB 3.1	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
INL 3.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
MH 3.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
CB 4.1	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
MH 4.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
CB 5.2	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
MH 5.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
INL 5.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	1
INL 5.3	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
MH 6.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
MH 7.0	BEAVER ST	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
INL 7.1	BEAVER ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
INL 8.1	BEAVER ST	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
CC 1	BEAVER ST	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
INL 7.2	BEAVER ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
MH 8.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
CC 3	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MH 9.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
CC 11	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CB 10.1	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
INL 10.2	CTH U	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
MH 10.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
CB 11.2	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
INL 11.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
INL 12.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	1
CC 4	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MH 11.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
CC 7	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MH 13.0	BADGER ST	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	1
PAGE SUBTOTALS		5	1	0	1	1	0	15	13	3	0	5	1	3	7	0	5	2	8	0	34

STORM SEWER STRUCTURES CONTINUED

STRUCTURE	ROADWAY	520.8000	522.1012	522.1018	522.1024	522.1030	522.2619	611.0530	611.0624	611.0639	611.0642	611.1004	611.1006	611.2003	611.2004	611.2005	611.2006	611.3004	611.3230	611.3901	650.4000
		CONCRETE COLLARS FOR PIPE	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE				APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONRETE HORIZONTAL ELLIPTICAL	MANHOLE COVERS TYPE J	INLET COVERS			CATCH BASINS		MANHOLES				INLETS			CONSTRUCTION STAKING STORM SEWER
			12-INCH	18-INCH	24-INCH	30-INCH	19X30-INCH		TYPE H	TYPE H-S	TYPE MS	4-FT DIAMETER	6-FT DIAMETER	3-FT DIAMETER	4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	4-FT DIAMETER	2X3-FT	MEDIAN 1 GRATE	
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
PROJECT 6934-06-73																					
CATEGORY 0010																					
INL 12.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	1
MH 12.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
CC 8	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CC 6	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MH 14.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
CC 5	CTH U	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MH 15.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
CB 15.1	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
CB 15.2	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
CB 15.3	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
CB 15.4	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
CB 16.2	CTH U	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
CB 16.1	OTTER ST	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
CB 16.3	OTTER ST	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	---	1
MH 16.0	OTTER ST	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
MH 17.0	OTTER ST	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
AEW 17.0	OTTER ST	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
AEW 18.3	CTH U	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
CB 18.1	CTH U	---	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	1
CB 18.2	CTH U	---	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---	---	---	1
INL 18.0	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
INL 20.2	BEAR ST	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
INL 20.1	BEAR ST	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
MH 20.0	BEAR ST	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
AEW 21.1	BEAR ST	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
MH 21.0	BEAR ST	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
MH 19.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
CB 22.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
CB 22.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
MH 22.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
MH 23.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
CB 24.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
CB 24.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
MH 24.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
MH 25.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
CB 26.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
CB 26.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
MH 26.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
MH 27.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
CB 28.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
PAGE SUBTOTALS		3	1	1	0	0	1	14	16	4	0	7	9	0	4	8	2	1	3	0	37

STORM SEWER STRUCTURES CONTINUED

STRUCTURE	ROADWAY	520.8000	522.1012	522.1018	522.1024	522.1030	522.2619	611.0530	611.0624	611.0639	611.0642	611.1004	611.1006	611.2003	611.2004	611.2005	611.2006	611.3004	611.3230	611.3901	650.4000
		CONCRETE COLLARS FOR PIPE	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE				APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONRETE HORIZONTAL ELLIPTICAL	MANHOLE COVERS TYPE J	INLET COVERS			CATCH BASINS		MANHOLES				INLETS			CONSTRUCTION STAKING STORM SEWER
			12-INCH	18-INCH	24-INCH	30-INCH	19X30-INCH		TYPE H	TYPE H-S	TYPE MS	4-FT DIAMETER	6-FT DIAMETER	3-FT DIAMETER	4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	4-FT DIAMETER	2X3-FT	MEDIAN 1 GRATE	
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
PROJECT 6934-06-73																					
CATEGORY 0010																					
CB 28.3	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
MH 28.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
INL 28.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
CB 29.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	---	---	---	---	1
MH 29.0	CTH U	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	1
INL 29.2	CTH U	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
INL 31.3	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
INL 31.2	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
INL 31.1	CTH U	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
MH 31.0	HUFFMAN RD	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	1
AEW 31.4	HUFFMAN RD	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
PAGE SUBTOTALS		0	1	0	0	0	0	3	6	0	1	0	2	0	2	0	1	0	4	1	11
PROJECT TOTALS		8	3	1	1	1	1	32	35	7	1	12	12	3	13	8	8	3	15	1	82

RECONSTRUCTING / ADJUSTING MANHOLES

STATION	OFFSET	DIRECTION	ROADWAY	FACILITY	611.0420 RECONSTRUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLES COVERS EACH	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	COMMENTS
PROJECT 6934-06-73									
CATEGORY 0020									
152+82.7	16.2'	LT	CTH U	SANITARY	1	---	1025.67	1025.90	REPLACE CONCENTRIC CONE WITH ECCENTRIC CONE
156+94.9	17.3'	LT	CTH U	SANITARY	1	---	1027.54	1027.67	REPLACE CONCENTRIC CONE WITH ECCENTRIC CONE
159+83.4	15.4'	LT	CTH U	SANITARY	---	1	1029.11	1028.53	
160+92.6	17.4'	LT	CTH U	SANITARY	1	---	1029.35	1028.23	REPLACE CONCENTRIC CONE WITH ECCENTRIC CONE
161+60.2	20.4'	RT	CTH U	SANITARY	---	1	1028.23	1028.39	
165+61.0	17.3'	LT	CTH U	SANITARY	---	1	1027.12	1026.65	
169+63.7	17.6'	LT	CTH U	SANITARY	---	1	1026.27	1026.62	
169+97.4	16.7'	LT	CTH U	SANITARY	---	1	1026.28	1026.76	
			PROJECT TOTALS		3	5			

UNDERDRAIN

STA TO STA	ROADWAY	DIR	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0112 GEOTEXTILE TYPE DF SCHEDULE B SY	209.0300.S NO.2 COARSE AGGREGATE CY
PROJECT 6934-06-73					
CATEGORY 0010					
183+75 - 195+00	CTH U	LT	1,125	1,440	470
		PROJECT TOTALS	1,125	1,440	470

CABLE BARRIER

STATION	TO	STATION	DIR	ROADWAY	613.1200.S CABLE BARRIER END TERMINAL TYPE 1 EA	613.1100.S CABLE BARRIER TYPE 1 LF
PROJECT 6934-06-73						
CATEGORY 0010						
195+70	-	245+20	LT	CTH U	2	4,954
245+60	-	257+15	LT	CTH U	2	1,149
				PROJECT TOTALS	4	6,103

GUARDRAIL

STATION	TO	STATION	DIR	ROADWAY	614.2300 MGS GUARDRAIL 3 LF	614.2350 MGS GUARDRAIL SHORT RADIUS LF	614.2630 MGS GUARDRAIL SHORT RADIUS TERMINAL EA
PROJECT 6934-06-73							
CATEGORY 0010							
218+24	-	223+26	RT	CTH U	528	25	2
223+49	-	224+30	RT	CTH U	125	32	2
				PROJECT TOTALS	653	57	4

ROADWAY RESTORATION

STATION TO STATION			ROADWAY	TOPSOIL DEPTH IN	625.0100 TOPSOIL SY	SPV.0180.02 PREPARING TOPSOIL FOR LAWN TYPE TURF SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	630.0130 SEEDING MIXTURE #30 LB	630.0140 SEEDING MIXTURE #40 LB	630.0500 SEED WATER MGAL	COMMENT
PROJECT 4065-17-71													
CATEGORY 0010													
150+00	-	153+00	CTH U	4	690	690	690	---	0.4	---	30	15	
153+00	-	159+00	CTH U	4	1,330	1,330	1,330	---	0.8	---	60	30	
159+00	-	165+00	CTH U	4	990	990	990	---	0.6	---	45	20	
165+00	-	171+00	CTH U	4	1,220	1,220	1,220	---	0.8	---	55	25	
171+00	-	177+00	CTH U	4	1,170	1,170	1,170	---	0.7	---	55	25	
177+00	-	183+00	CTH U	4	1,260	1,260	1,260	---	0.8	---	55	30	
183+00	-	189+00	CTH U	4	2,150	2,150	2,150	---	1.4	---	95	50	
189+00	-	195+00	CTH U	4	3,350	3,350	3,350	---	2.1	---	150	75	
195+00	-	210+00	CTH U	6	2,440	180	2,440	1.4	0.1	100	10	55	
210+00	-	245+00	CTH U	6	5,110	---	5,110	3.2	---	230	---	115	
245+00	-	268+30	CTH U	4	5,000	3,430	5,000	1.0	2.2	70	155	110	
175+60	-	197+08	CTH U	4	2,200	2,200	2,200	---	1.4	---	100	50	SWALE ONLY
UNDISTRIBUTED				4	2,690	1,800	2,690	0.6	1.1	40	80	60	
PROJECT TOTALS T TOTALS					29,600*	19,770*	29,600*	6.2	12.4*	440	890*	660*	

*CATEGORY 0010 TOTAL ONLY - ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN RESTORATION TABLE

3

ROADWAY EROSION CONTROL

STATION TO STATION			ROADWAY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EA	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EA	628.6005 TURBIDITY BARRIERS SY	628.7005 INLET PROTECTION TYPE A EA	628.7015 INLET PROTECTION TYPE C EA	628.7020 INLET PROTECTION TYPE D EA	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EA
PROJECT 6934-06-73													
CATEGORY 0010													
150+00	-	153+00	CTH U	40	40	---	---	---	---	---	---	15	8
153+00	-	159+00	CTH U	---	---	---	---	---	2	1	1	15	---
159+00	-	165+00	CTH U	165	165	---	---	---	3	3	---	---	---
165+00	-	171+00	CTH U	25	25	---	---	---	15	11	4	---	---
171+00	-	177+00	CTH U	40	40	---	---	---	12	7	5	15	---
177+00	-	183+00	CTH U	---	---	---	---	---	4	4	---	15	---
183+00	-	189+00	CTH U	---	---	---	---	---	4	4	---	---	---
189+00	-	195+00	CTH U	540	540	---	---	---	5	1	3	---	---
195+00	-	210+00	CTH U	3,030	3,030	---	---	---	---	---	---	---	---
210+00	-	245+00	CTH U	6,310	6,310	---	---	340	---	---	---	---	---
245+00	-	268+30	CTH U	3,780	3,780	---	---	50	3	3	---	---	4
UNDISTRIBUTED				3,480	3,480	12	6	---	---	---	---	15	3
PROJECT TOTALS				17,410	17,410	12	6	390	48	34*	13	75	15

*CATEGORY 0010 TOTAL ONLY - ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN EROSION CONTROL TABLE

PERMANENT SIGNS TYPE II AND SIGN SUPPORTS

SIGN NO.	STATION	LOCATION	DESCRIPTION	SIGN NUMBER	ASSEMBLY WIDTH IN		ASSEMBLY HEIGHT IN	634.0612 POSTS WOOD 4 X 6-INCH 12-FT EACH	634.0614 POSTS WOOD 4 X 6-INCH 14 FT EACH	637.2210 SIGNS TYPE II REFLECTIVE TYPE H SF	REMARKS
PROJECT 5190-07-71											
CATEGORY 0010											
101	151+03	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
102	151+25	CTH U	RIGHT TURN WARNING	W1-2R	36	X	36	---	1	9.00	
103	160+18	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	25 MPH
104	160+34	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
105	160+34	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
106	162+31	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
107	162+31	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
108	162+13	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
109	162+13	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
110	162+58	CTH U	NO PARKING ANY TIME	R7-1R	18	X	24	1	---	3.00	
111	163+51	CTH U	PEDESTRAIN CROSSING	W11-2	30	X	30	---	---	6.25	PLACE ON EXISTING OH POLE
112	163+78	CTH U	NO PARKING	R8-3a	24	X	30	1	---	5.00	
113	164+06	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
114	164+06	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
115	164+98	CTH U	NO PARKING ANY TIME	R7-1L	18	X	24	1	---	3.00	
116	165+31	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
117	165+74	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
118	166+36	CTH U	NO PARKING ANY TIME	R7-1R	18	X	24	1	---	3.00	
119	167+97	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
120	167+97	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
121	167+65	CTH U	NO PARKING	R8-3a	24	X	30	1	---	5.00	
122	168+93	CTH U	NO PARKING ANY TIME	R7-1L	18	X	24	1	---	3.00	
122A	169+83	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
122B	169+83	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
123	170+33	CTH U	NO PARKING ANY TIME	R7-1R	18	X	24	---	---	3.00	PLACE ON EXISTING OH POLE
123A	170+33	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	---	9.00	PLACE ON EXISTING OH POLE
123B	170+33	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	PLACE ON EXISTING OH POLE
124	170+40	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
125	172+15	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
125A	172+15	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
126	173+01	CTH U	NO PARKING	R8-3a	24	X	30	1	---	5.00	
127	173+91	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	25 MPH
128	175+64	CTH U	NO PARKING ANY TIME	R7-1L	18	X	24	1	---	3.00	
129	175+26	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
130	175+45	CTH U	SPEED LIMIT	R2-1	24	X	30	---	---	5.00	25 MPH, PLACE ON EXISTING OH POLE
131	179+45	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
132	183+72	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
133	189+74	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
134	193+44	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
135	193+44	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
136	194+92	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
137	195+57	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
				PAGE TOTALS				19	10	227.50	

3

PERMANENT SIGNS TYPE II AND SIGN SUPPORTS - CONTINUED

SIGN NO.	STATION	LOCATION	DESCRIPTION	SIGN NUMBER	ASSEMBLY WIDTH IN		ASSEMBLY HEIGHT IN	634.0612 POSTS WOOD 4 X 6-INCH 12-FT EACH	634.0614 POSTS WOOD 4 X 6-INCH 14 FT EACH	637.2210 SIGNS TYPE II REFLECTIVE TYPE H SF	REMARKS
PROJECT 5190-07-71											
CATEGORY 0010											
138	195+57	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
138A	195+58	CTH U	BRIDGE END MARKER	W5-52L	12	X	36	---	1	3.00	
139	195+23	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
140	195+23	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
141	197+09	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	25 MPH
142	197+03	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	35 MPH
143	197+32	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
144	197+32	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
145	202+05	CTH U	SPEED LIMIT WARNING	W3-5	36	X	36	---	1	9.00	25 MPH
146	208+21	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	35 MPH
147	209+25	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
148	245+32	CTH U	BRIDGE END MARKER	W5-52R	12	X	36	---	1	3.00	
149	245+49	CTH U	BRIDGE END MARKER	W5-52L	12	X	36	---	---	3.00	SAME POST AS SIGN NO. 154
150	243+52	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
151	243+52	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
152	245+27	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
153	245+27	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
154	245+50	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
155	245+50	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
156	247+28	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
157	247+28	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
158	250+33	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	35 MPH
159	250+32	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	25 MPH
160	257+27	CTH U	BRIDGE END MARKER	W5-52R	12	X	36	---	1	3.00	
161	262+59	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
162	262+59	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
163	263+74	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	25 MPH
164	264+38	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
165	264+38	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
166	264+71	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
167	264+71	CTH U	LEFT DOWN ARROW	W16-7L	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
168	265+35	CTH U	STOP	R1-1	30	X	30	1	---	6.25	
169	266+58	CTH U	SCHOOL PEDESTRIAN CROSSING	S1-1	36	X	36	---	1	9.00	
170	266+58	CTH U	AHEAD	W16-9P	24	X	12	---	---	2.00	SAME POST AS PREVIOUS
171	212+00	CTH U	SPEED LIMIT	R2-1	24	X	30	1	---	5.00	35 MPH
				PAGE TOTALS				9	14	180.50	
				CONTRACT TOTALS				28	24	408.00	

3

MOVING AND REMOVING SIGNS TYPE II AND REMOVING SIGN SUPPORTS

SIGN NO.	STATION	LOCATION	DESCRIPTION	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
PROJECT 5190-07-71							
CATEGORY 0010							
R101	151+03	CTH U	STOP	---	1	1	
R102	151+25	CTH U	RIGHT TURN WARNING	---	1	1	
R103	160+18	CTH U	SPEED LIMIT	---	1	1	25 MPH
R104	162+28	CTH U	NO PARKING THIS SIDE OF STREET	---	1	1	
R105	163+51	CTH U	PEDESTRIAN CROSSING	---	1	---	EXISTING SIGN ON OH POLE
R106	164+98	CTH U	NO PARKING THIS SIDE OF STREET	---	1	1	
R107	165+31	CTH U	STOP	---	1	1	
R108	166+36	CTH U	NO PARKING THIS SIDE OF STREET	---	1	1	
R109	165+74	CTH U	STOP	---	1	1	
R110	167+44	CTH U	PEDESTRIAN CORSSING	---	1	---	EXISTING SIGN ON OH POLE
R111	167+44	CTH U	PED XING	---	1	---	EXISTING SIGN ON OH POLE
R112	170+32	CTH U	NO PARKING ANY TIME	---	1	---	EXISTING SIGN ON OH POLE
R113	170+40	CTH U	STOP	---	1	1	
R114	171+81	CTH U	PEDESTIRAN CROSSING	---	1	---	EXISTING SIGN ON OH POLE
R115	171+81	CTH U	NO PARKING ANY TIME	---	1	---	EXISTING SIGN ON OH POLE
R116	173+09	CTH U	NO PARKING ANY TIME	---	1	---	EXISTING SIGN ON OH POLE
R117	173+91	CTH U	SPEED LIMIT	---	1	---	25 MPH
R118	175+07	CTH U	NO PARKING ANY TIME	---	1	---	EXISTING SIGN ON OH POLE
R119	175+26	CTH U	STOP	---	1	1	
R120	175+31	CTH U	SPEED LIMIT	---	1	---	25 MPH, EXISTING SIGN ON OH POLE
R121	179+46	CTH U	STOP	---	1	1	
R122	183+69	CTH U	STOP	---	1	1	
R123	189+70	CTH U	STOP	---	1	1	
R124	194+92	CTH U	STOP	---	1	1	
R125	195+99	CTH U	BRIDGE END MARKER	---	1	1	
R126	197+08	CTH U	SPEED LIMIT	---	1	1	25 MPH
R127	197+02	CTH U	SPEED LIMIT	---	1	1	35 MPH
M128	197+44	CTH U	ADOPT A HIGHWAY	1	---	---	
R129	202+04	CTH U	REDUCED SPEED AHEAD	---	1	1	
R130	208+20	CTH U	SPEED LIMIT	---	1	1	35 MPH
R131	209+39	CTH U	STOP	---	1	1	
R132	218+47	CTH U	BRIDGE END MARKER	---	1	1	
R133	224+21	CTH U	BRIDGE END MARKER	---	1	1	
R134	250+33	CTH U	SPEED LIMIT	---	1	1	35 MPH
R135	250+32	CTH U	SPEED LIMIT	---	1	1	25 MPH
R136	258+32	CTH U	BRIDGE END MARKER	---	1	1	
R137	263+74	CTH U	SPEED LIMIT	---	1	1	25 MPH
R138	265+39	CTH U	STOP	---	1	1	
			PROJECT TOTALS	1	37	27	

3

TRAFFIC CONTROL

LOCATION	APPROX. SERVICE DAYS	643.0420* TRAFFIC CONTROL BARRICADES TYPE III		643.0705** TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715*** TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0900** TRAFFIC CONTROL SIGNS	
		NO IN SERVICE	DAYS	NO IN SERVICE	DAYS	NO IN SERVICE	DAYS	NO IN SERVICE	DAYS
PROJECT 6934-06-73									
CATEGORY 0010									
STAGE 1									
CTH U/STH 54	67	2	134	4	268	---	---	2	134
CTH U/S BIRON DR	67	2	134	4	268	3	201	6	402
CTH U/BEAVER ST	67	9	603	18	1,206	---	---	9	603
CTH U/BADGER ST	67	---	---	---	---	---	---	4	268
CTH U/HUFFMAN RD	67	2	134	4	268	---	---	2	134
CTH U/ COUNTY LINE RD	67	2	134	4	268	---	---	2	134
STAGE 1 TOTALS			1,139		2,278	3	201		1,675
STAGE 2									
CTH U/STH 54	54	2	108	4	216	---	---	2	108
CTH U/S BIRON DR	54	2	108	4	216	---	---	2	108
CTH U/BADGER ST	54	2	108	4	216	---	---	3	162
CTH U/OTTER ST	54	1	54	2	108	---	---	2	108
CTH U/BEAR ST	54	1	54	2	108	---	---	2	108
CTH U/ELK ST	54	1	54	2	108	---	---	2	108
CTH U/FOX ST	54	1	54	2	108	---	---	2	108
EAST END OF WORKZONE	54	2	108	4	216	---	---	2	108
CTH U/MARSH RD	54	---	---	---	---	---	---	1	54
CTH U/HUFFMAN RD	54	2	108	4	216	---	---	2	108
CTH U/ COUNTY LINE RD	54	2	108	4	216	---	---	2	108
STAGE 2 TOTALS			864		1,728	---	---		1,188
STAGE 3									
CTH U/STH 54	74	2	148	4	296	---	---	2	148
CTH U/S BIRON DR	74	2	148	4	296	---	---	2	148
CTH U/FOX ST	74	2	148	4	296	---	---	4	296
CTH U/MARSH RD	74	2	148	4	296	---	---	2	148
STH 54/MARSH RD	74	---	---	---	---	---	---	1	74
CTH U/HUFFMAN RD	74	4	296	8	592	---	---	6	444
STH 54/HUFFMAN RD	74	---	---	---	---	---	---	1	74
CTH U/ COUNTY LINE RD	74	2	148	4	296	---	---	2	148
STAGE 3 TOTALS			1,036		2,072	0	0		1,480
PROJECT TOTALS			3,039*		6,078**		201***		4,343**

* ADDITIONAL QUANTITIES SHOWN IN THE DETOUR TRAFFIC CONTROL TABLE

** ADDITIONAL QUANTITIES SHOWN IN THE DETOUR TRAFFIC CONTROL AND PEDESTRIAN ACCOMODATIONS TABLES

*** ADDITIONAL QUANTITIES SHOWN IN THE PEDESTRIAN ACCOMODATIONS TABLE

3

DETOUR TRAFFIC CONTROL

INTERSECTION	DAYS	643.0420* BARRICADES TYPE III NO.	643.0420* BARRICADES TYPE III DAYS	643.0705** WARNING LIGHTS TYPE A NO.	643.0705** WARNING LIGHTS TYPE A DAYS	643.0900** SIGNS NO.	643.0900** SIGNS DAYS
PROJECT 5190-07-71							
CATEGORY 0010							
S BIRON DR AND EAGLE RD	195	1	195	2	390	16	3120
EAGLE RD AND STH 54	195	--	--	--	--	34	5460
STH 54 AND COUNTY LINE RD	195	--	--	--	--	31	6045
COUNTY LINE RD AND N BIRON DR	195	--	--	--	--	10	2340
N BIRON DR AND SUNSET PT DR	195	1	195	2	390	23	4485
PROJECT TOTALS			390*		780**		21,450**

* ADDITIONAL QUANTITIES SHOWN IN THE TRAFFIC CONTROL TABLE
** ADDITIONAL QUANTITIES SHOWN IN THE TRAFFIC CONTROL AND PEDESTRIAN ACCOMODATIONS TABLES

PEDESTRIAN ACCOMODATIONS

STATION	TO	STATION	STAGE	DAYS	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0705* TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705* TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715** TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	643.0715** TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0900* TRAFFIC CONTROL SIGNS NO.	643.0900* TRAFFIC CONTROL SIGNS DAYS	644.1410 TEMPORARY PEDESTRIAN ASPHALT SF	644.1601 TEMPORARY PEDESTIRAN CURB RAMP NO.	644.1601 TEMPORARY PEDESTIRAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
PROJECT 5190-07-71																	
CATEGORY 0010																	
149+00	-	161+50	1A	58	16	928	3	174	8	464	--	--	5230	--	--	--	1040
161+50	-	165+50	1A	58	12	696	6	348	--	--	4	232	580	2	116	20	460
165+50	-	170+90	1A	58	26	1508	13	754	--	--	12	696	1510	4	232	40	850
149+00	-	159+00	1B	9	29	261	11	99	--	--	5	45	70	1	9	20	900
159+00	-	165+50	1B	9	--	--	--	--	--	--	7	63	--	--	--	10	770
165+50	-	170+90	1B	9	--	--	--	--	--	--	--	--	90	1	9	30	870
170+90	-	179+30	2A	50	--	--	--	--	--	--	--	--	--	--	--	--	780
179+30	-	190+00	2A	50	25	1250	6	300	--	--	8	400	500	4	200	40	1110
170+90	-	179+30	2B	4	4	16	4	16	--	--	3	12	60	1	4	30	1480
179+30	-	190+00	2B	4	--	--	--	--	--	--	3	12	90	1	4	10	680
PROJECT TOTALS						4,659		1,691*		464**		1,460*	8,130		574	200	8,940

*ADDITIONAL QUANTITIES SHOWN IN THE TRAFFIC CONTROL AND DETOUR TRAFFIC CONTROL TABLES
**ADDITIONAL QUANTITIES SHOWN IN THE TRAFFIC CONTROL TABLE

3

MARKING

STATION	TO	STATION	ROADWAY	646.2020 MARKING LINE EPOXY 6-INCH (YELLOW) LF	646.2020 MARKING LINE EPOXY 6-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY (WHITE) EA	646.5220 MARKING SYMBOL EPOXY (WHITE) EA	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.7505 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE) LF	646.8320 MARKING PARKING STALL EPOXY (WHITE) LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF	REMARKS
PROJECT 6934-06-73												
CATEGORY 0010												
150+30	-	159+00	CTH U	1,250	1,740	---	---	---	---	---	---	
159+00	-	168+00	CTH U	1,800	1,660	3	3	30	60	---	---	
168+00	-	177+00	CTH U	1,680	1,630	4	4	32	96	---	---	
177+00	-	186+00	CTH U	230	1,650	4	4	33	---	---	---	
186+00	-	195+00	CTH U	1,040	1,730	4	4	19	---	---	---	
195+00	-	244+00	CTH U	7,180	9,570	---	---	22	60	---	16,750	STOP BAR LOCATED AT MARSH ROAD
244+00	-	253+00	CTH U	1,780	1,800	---	---	---	---	---	3,580	
253+00	-	262+00	CTH U	1,800	1,800	---	---	16	---	---	3,600	
262+00	-	268+30	CTH U	1,100	1,220	---	---	---	60	---	2,320	
				17,860	22,800							
CATEGORY 0100 TOTAL				40,660		15	15	152	276	---	26,250	
CATEGORY 0030												
PARKING LOT				---	---	---	---	---	---	297	---	
				---	---							
CATEGORY 0030 TOTAL				---		---	---	---	---	297	---	
PROJECT TOTAL				40,660		15	15	152	276	297	26,250	

3

CONSTRUCTION STAKING

STATION		TO STATION	ROADWAY	650.4500 SUBGRADE LF	650.5000 BASE LF	650.9911 SUPPLEMENTAL CONTROL 01.6934-06-73 EA	650.9920 SLOPE STAKES LF
PROJECT 6934-06-73							
CATEGORY 0010							
150+29	-	153+00	CTH U	271	271	---	271
153+00	-	159+00	CTH U	600	600	---	600
159+00	-	165+00	CTH U	600	600	---	600
165+00	-	171+00	CTH U	600	600	---	600
171+00	-	177+00	CTH U	600	600	---	600
177+00	-	183+00	CTH U	600	600	---	600
183+00	-	189+00	CTH U	600	600	---	600
189+00	-	195+00	CTH U	600	600	---	600
195+00	-	210+00	CTH U	1,500	1,500	---	1,500
210+00	-	245+00	CTH U	3,500	3,500	---	3,500
245+00	-	268+31	CTH U	2,331	2,331	---	2,331
10+50	-	10+63	W BEAVER ST	13	13	---	13
11+37	-	11+50	E BEAVER ST	13	13	---	13
20+65	-	20+76	MILL ENTRANCE	11	11	---	11
25+35	-	25+50	BADGER ST	15	15	---	15
30+37	-	30+50	OTTER ST	13	13	---	13
40+37	-	40+50	BEAR ST	13	13	---	13
50+33	-	50+50	ELK ST	17	17	---	17
60+37	-	60+60	FOX ST	23	23	---	23
80+53	-	81+28	MARSH RD	75	75	---	75
90+36	-	91+44	HUFFMAN RD	108	108	---	108
UNDISTRIBUTED				---	---	1	---
			PROJECT TOTALS	12,103	12,103	1	12,103

NOTE: CONSTRUCTION STAKING STORM SEWER, WATERMAIN, AND CURB AND GUTTER IN RESPECTIVE QUANTITY TABLES.

CONDUIT RIDGID NONMETALLIC

STATION	DIR	ROADWAY	652.0335 SCHEDULE 80 3-INCH LF	COMMENT
PROJECT 6934-06-73				
CATEGORY 0010				
259+05	R/L	CTH U	130	(2) CONDUITS FOR ADJACENT PROPERTY OWNER'S ELECTRICAL AND SPRINKLER SERVICES. COORDINATE LOCATION WITH PROPERTY OWNER.
		PROJECT TOTAL	130	

ROADWAY SAWING

STATION	TO	STATION	ROADWAY	690.0150* ASPHALT LF	690.0250* CONCRETE LF
PROJECT 6934-06-73					
CATEGORY 0010					
150+29	-	153+00	CTH U	67	8
153+00	-	159+00	CTH U	71	---
159+00	-	165+00	CTH U	98	10
165+00	-	171+00	CTH U	106	65
171+00	-	177+00	CTH U	272	38
177+00	-	183+00	CTH U	47	9
183+00	-	189+00	CTH U	32	5
189+00	-	195+00	CTH U	87	2
195+00	-	210+00	CTH U	22	---
210+00	-	245+00	CTH U	---	---
245+00	-	268+31	CTH U	184	76
			CATEGORY 0010 TOTALS	986*	213*

*ADDITIONAL CATEGORY 0020 QUANTITIES SHOWN IN WATERMAIN SAWING TABLE

ADJUSTING SANITARY FORCEMAIN APPURTENANCES

STATION	OFFSET	DIR	ROADWAY	SPV.0060.33 ADJUSTING DOUBLE FLUSH RISERS EACH	SPV.0060.37 ADJUTSTING AIR RELEASE MANHOLE EACH	EXISING RIM ELEVATION	PROPOSED RIM ELEVATION
PROJECT 6934-06-73							
CATEGORY 0020							
263+15.1	19.1'	RT	CTH U	---	1	1038.32	1040.16
265+82.5	3.1'	RT	CTH U	1	---	1039.30	1039.42
			PROJECT TOTALS	1	1		

SALVAGE AND RESET LANDSCAPE ROCK

STATION		TO STATION	DIR	ROADWAY	SPV.0165.04 SF
PROJECT 6934-06-73					
CATEGORY 0010					
160+40	-	160+70	LT	CTH U	90
10+50	-	10+71	LT	W BEAVER ST	140
165+80	-	169+45	LT	CTH U	1,100
169+50	-	169+90	RT	CTH U	300
169+80	-	170+15	LT	CTH U	170
170+45	-	174+80	RT	CTH U	1,400
				PROJECT TOTAL	3,200

ADJUSTING WATER VALVE BOXES AND HYDRANTS

STATION	DIRECTION	ROADWAY	SPV.0060.32 ADJUSTING WATER VALVE BOXES EACH	SPV.0060.34 HYDRANT 12-INCH VERTICAL EXTENSION EACH	SPV.0060.35 HYDRANT 6-INCH VERTICAL EXTENSION EACH
PROJECT 6934-06-73					
CATEGORY 0020					
152+44	RT	CTH U	1	---	---
152+48	RT	CTH U	1	---	---
160+78	RT	CTH U	1	---	---
191+16	RT	CTH U	1	---	---
253+75	RT	CTH U	1	1	---
259+21	RT	CTH U	1	---	---
259+25	RT	CTH U	---	---	1
265+21	RT	CTH U	1	---	---
265+26	RT	CTH U	1	---	---
265+28	RT	CTH U	1	---	---
		PROJECT TOTALS	9	1	1

UTILITY LINE OPENING

STATION	DIR	ROADWAY	SPV.0060.01 EACH
PROJECT 6934-06-73			
CATEGORY 0010			
184+75	LT	CTH U	1
		PROJECT TOTALS	1

INSULATION

STATION	DIRECTION	ROADWAY	SPV.0165.05* INSULATION SF	COMMENTS
PROJECT 6934-06-73				
CATEGORY 0010				
152+95	LT	CTH U	20	STORM SEWER MH 1.3 - MH 1.4 OVER SANITARY SEWER
158+00	LT	CTH U	24	STORM SEWER INL 2.1 OVER SANITARY SEWER
162+13	LT	CTH U	24	STORM SEWER INL 3.2 OVER SANITARY SEWER
169+25	LT	CTH U	24	STORM SEWER INL 11.0 OVER SANITARY SEWER
		CATEGORY 0010 TOTAL	92*	

*ADDITIONAL CATEGORY 0020 QUANTITY LISTED IN THE WATERMAIN INSULATION TABLE

3

WATERMAIN REMOVALS

STATION		TO STATION	ROADWAY	204.0100* REMOVING CONCRETE PAVEMENT SY	204.0150* REMOVING CURB AND GUTTER LF	204.0155* REMOVING CONCRETE SIDEWALK SY	204.0210* REMOVING MANHOLES EACH
PROJECT 6934-06-73							
CATEGORY 0020							
147+37	-	147+53	CTH U	15	---	---	1
148+00	-	148+14	CTH U	10	---	---	---
61+36	-	61+42	FOX ST	---	6	---	---
26+49	-	26+60	BADGER ST	---	12	---	---
27+68	-	27+78	BADGER ST	---	10	5	---
29+57	-	29+70	BADGER ST	---	13	7	---
3+68	-	3+78	CENTER ST	---	10	---	---
3+69	-	3+82	CENTER ST	---	13	2	---
4+81	-	4+91	CENTER ST	---	10	---	---
5+71	-	5+86	CENTER ST	20	---	---	---
6+14	-	6+29	CENTER ST	---	16	---	---
CATEGORY 0020 TOTALS				45*	90*	15*	1*

*ADDITIONAL CATEGORY 0010 QUANTITIES SHOWN IN ROADWAY REMOVALS TABLE

3

WATERMAIN BASE AGGREGATE DENSE AND BREAKER RUN

STATION TO STATION			ROADWAY	305.0110*	305.0120*			624.0100*
				BASE AGGREGATE DENSE 3/4-INCH	BASE AGGREGATE DENSE 1 1/4-INCH			WATER
				ROADWAY TON	ROADWAY TON	SW / PATH TON	DRIVEWAYS TON	MGAL
PROJECT 6934-06-73								
CATEGORY 0020								
147+37	-	147+53	CTH U	---	---	---	5	0.10
148+00	-	148+14	CTH U	---	2	---	---	0.00
61+07	-	61+42	FOX ST	---	25	---	---	0.40
61+19	-	61+33	FOX ST	5	---	---	---	0.10
25+50	-	29+70	BADGER ST	---	180	---	---	2.50
26+49	-	26+60	BADGER ST	---	---	---	5	0.10
27+68	-	27+78	BADGER ST	---	---	1.0	---	0.01
29+57	-	29+70	BADGER ST	---	---	1.5	---	0.02
0+05	-	6+30	CENTER ST	---	270	---	---	3.80
3+69	-	3+74	CENTER ST	---	---	0.5	---	0.01
3+74	-	3+90	CENTER ST	---	---	---	5	0.10
5+71	-	5+86	CENTER ST	---	---	---	5	0.10
			CATEGORY 0020 TOTALS	5*	477*	3*	20*	7*
					500*			

*ADDITIONAL CATEGORY 0010 and 0030 QUANTITIES SHOWN IN ROADWAY BASE AGGREGATE DENSE TABLE

3

WATERMAIN CONCRETE PAVEMENT

STATION TO STATION			ROADWAY	415.0080 8-INCH SY
PROJECT 6934-06-73				
CATEGORY 0020				
148+00	-	148+14	CTH U	5
			PROJECT TOTALS	5

WATERMAIN ASPHALTIC ITEMS

STATION TO STATION			ROADWAY	465.0105* ASPHALTIC SURFACE TON	465.0120* ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	COMMENTS
PROJECT 6439-06-73						
CATEGORY 0020						
61+07	-	61+42	FOX ST	16	---	
25+50	-	29+70	BADGER ST	119	---	
26+49	-	26+60	BADGER ST	---	3	
0+05	-	6+30	CENTER ST	177	---	
3+74	-	3+90	CENTER ST	---	1	
			CATEGORY 0020 TOTALS	312*	4*	

*ADDITIONAL CATEGORY 0010 AND CATEGORY 0030 QUANTITIES SHOWN IN ROADWAY ASPHALTIC ITEMS TABLE

WATERMAIN CONCRETE CURB AND GUTTER

STATION		TO STATION	DIR	ROADWAY	601.0411* 30-INCH TYPE D LF	650.5500* CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
PROJECT 6934-06-73						
CATEGORY 0020						
147+37	-	147+53	RT	CTH U	16	16
148+00	-	148+14	RT	CTH U	14	14
61+36	-	61+42	RT	FOX ST	6	6
26+49	-	26+60	LT	BADGER ST	12	12
27+68	-	27+78	RT	BADGER ST	10	10
29+57	-	29+70	RT	BADGER ST	13	13
3+68	-	3+78	RT	CENTER ST	10	10
3+69	-	3+82	LT	CENTER ST	13	13
4+81	-	4+91	RT	CENTER ST	10	10
5+71	-	5+86	RT	CENTER ST	15	15
6+14	-	6+29	LT	CENTER ST	16	16
				CATEGORY 0020 TOTALS	135*	135*

*ADDITIONAL 0010 QUANTITIES SHOWN IN ROADWAY CONCRETE CURB AND GUTTER TABLE

WATERMAIN CONCRETE DRIVEWAY

STATION	DIR	ROADWAY	602.0810* 6-INCH SY
PROJECT 6934-06-73			
CATEGORY 0020			
147+45	RT	CTH U	13
5+78	RT	CENTER ST	16
		CATEGORY 0020 TOTALS	29*

*ADDITIONAL CATEGORY 0010 QUANTITIES SHOWN IN ROADWAY CONCRETE DRIVEWAY TABLE

WATERMAIN CONCRETE SIDEWALK

STATION		TO STATION	ROADWAY	602.0405* CONCRETE SIDEWALK 4-INCH SF
PROJECT 6934-06-73				
CATEGORY 0020				
27+68	-	27+78	BADGER ST	50
29+57	-	29+70	BADGER ST	65
3+69	-	3+74	CENTER ST	20
			CATEGORY 0020 TOTALS	135*

*ADDITIONAL CATEGORY 0010 QUANTITIES SHOWN IN ROADWAY CONCRETE SIDEWALK TABLE

3

WATERMAIN RESTORATION

STATION	TO	STATION	ROADWAY	625.0100* TOPSOIL SY	SPV.0180.02* PREPARING TOPSOIL FOR LAWN TYPE TURF SY	628.2006* EROSION MAT URBAN CLASS I TYPE A SY	SPV.0030.01* FERTILIZER FOR LAWN TYPE TURF CWT	630.0140* SEEDING MIXTURE #40 LB	630.0500* SEED WATER MGAL
PROJECT 4065-17-71									
CATEGORY 0020									
148+00	-	148+14	CTH U	20	20	20	0.01	0.8	0.4
61+31	-	61+47	FOX ST	20	20	20	0.02	1.1	0.6
27+68	-	27+78	BADGER ST	10	10	10	0.00	0.2	0.1
28+55	-	28+65	BADGER ST	10	10	10	0.01	0.6	0.3
29+57	-	29+70	BADGER ST	10	10	10	0.00	0.3	0.1
3+68	-	3+82	CENTER ST	10	10	10	0.00	0.3	0.2
4+81	-	4+91	CENTER ST	20	20	20	0.01	0.7	0.3
5+83	-	5+86	CENTER ST	0	0	0	0.00	0.1	0.0
6+09	-	6+42	CENTER ST	40	40	40	0.03	1.9	0.9
CATEGORY 0020 TOTALS				140*	140*	140*	0.1*	6*	3*

*ADDITIONAL CATEGORY 0010 QUANTITIES SHOWN IN ROADWAY RESTORATION TABLE

WATERMAIN EROSION CONTROL

STATION	TO	STATION	ROADWAY	628.7015* INLET PROTECTION TYPE C EA
PROJECT 6934-06-73				
CATEGORY 0020				
27+83	-	28+42	BADGER ST	4
4+02	-	4+44	CENTER ST	3
CATEGORY 0020 TOTALS				7*

*ADDITIONAL CATEGORY 0010 QUANTITIES SHOWN IN ROADWAY EROSION CONTROL TABLE

3

WATERMAIN SAWING

STATION	TO	STATION	ROADWAY	690.0150* ASPHALT LF	690.0250* CONCRETE LF	COMMENT
PROJECT 6934-06-73						
CATEGORY 0020						
147+37	-	148+14	CTH U	---	70	
61+07	-	61+42	FOX ST	65	3	
25+50	-	29+70	BADGER ST	865	38	
0+00	-	5+00	CENTER ST	1,022	18	
5+00	-	6+00	CENTER ST	278	24	
			CATEGORY 0020 TOTALS	2,230*	153*	

*ADDITIONAL CATEGORY 0010 QUANTITIES SHOWN IN ROADWAY SAWING TABLE

WATERMAIN HYDRANTS & VALVES

STATION	DIR	LOCATION	SPV.0060.02 REMOVE 4-INCH VALVE EACH	SPV.0060.03 REMOVE 6-INCH VALVE EACH	SPV.0060.04 REMOVE 8-INCH VALVE EACH	SPV.0060.05 REMOVE HYDRANT & AUXILIARY VALVE EACH	SPV.0060.25 WATERMAIN 4-INCH VALVE EACH	SPV.0060.26 WATERMAIN 6-INCH VALVE EACH	SPV.0060.27 WATERMAIN 8-INCH VALVE EACH	SPV.0060.28 WATERMAIN 10-INCH VALVE EACH	SPV.0060.29 WATERMAIN 12-INCH VALVE EACH	SPV.0060.30 HYDRANT COMPLETE, AUXILIARY VALVE & ALL FITTINGS EACH	SPV.0060.36 RELOCATE HYDRANT EACH
6934-06-73													
CATEGORY 0020													
148+06	RT	CTH U	---	3	---	---	---	---	---	---	---	---	---
156+07	LT	CTH U	---	1	---	---	---	---	---	---	---	---	---
156+09	RT	CTH U	---	---	---	---	---	1	---	---	---	---	---
160+82	LT	CTH U	---	1	---	---	---	---	---	---	---	---	---
160+89	R/L	CTH U	---	1	---	---	---	---	---	---	1	---	---
162+28	RT	CTH U	---	---	---	---	---	---	---	---	1	---	---
162+33	RT	CTH U	---	---	---	---	---	---	---	---	---	1	---
165+75	LT	CTH U	---	---	---	1	---	---	---	---	---	---	---
165+80	LT	CTH U	---	---	---	---	---	---	---	---	1	---	---
165+84	LT	CTH U	---	---	---	---	---	---	---	---	---	1	---
169+86	LT	CTH U	---	---	---	1	---	---	---	---	---	---	---
170+74	RT	CTH U	---	---	---	---	---	---	---	---	---	1	---
170+80	RT	CTH U	---	---	---	---	---	---	---	---	1	---	---
172+91	LT	CTH U	---	---	---	1	---	---	---	---	---	---	---
174+62	RT	CTH U	---	---	---	---	---	---	---	---	---	1	---
174+67	RT	CTH U	---	---	---	---	---	---	---	---	1	---	---
178+83	RT	CTH U	---	---	---	---	---	---	---	---	---	1	---
178+88	RT	CTH U	---	---	---	---	---	---	---	---	1	---	---
183+99	RT	CTH U	---	---	---	---	---	---	---	---	---	1	---
184+04	RT	CTH U	---	---	---	---	---	---	---	---	1	---	---
189+18	RT	CTH U	---	---	---	---	---	1	---	---	---	---	---
189+26	RT	CTH U	---	---	---	1	---	---	---	---	---	1	---
189+37	RT	CTH U	---	---	---	---	---	---	---	---	1	---	---
265+46	RT	CTH U	---	---	---	---	---	---	---	---	---	---	1
24+73	RT	BADGER ST	---	---	1	---	---	---	---	---	---	---	---
24+79	RT	BADGER ST	---	1	---	---	---	---	---	---	---	---	---
24+92	LT	BADGER ST	---	---	---	---	---	---	1	---	---	---	---
25+07	LT	BADGER ST	---	---	---	---	---	---	---	1	---	---	---
26+57	LT	BADGER ST	---	2	---	---	---	1	---	---	---	---	---
27+73	RT	BADGER ST	---	---	---	---	---	---	---	---	---	1	---
27+78	RT	BADGER ST	---	---	---	---	---	---	---	1	---	---	---
28+13	RT	BADGER ST	---	---	---	---	---	---	---	1	---	---	---
28+60	LT	BADGER ST	---	---	---	1	---	---	---	---	---	---	---
29+56	RT	BADGER ST	---	---	---	---	1	---	---	---	---	---	---
29+61	LT	BADGER ST	---	1	---	---	---	---	---	---	---	---	---
29+65	LT	BADGER ST	---	---	---	---	---	1	---	---	---	---	---
00+07	LT	CENTER ST	---	---	---	---	---	---	---	1	---	---	---
03+73	RT	CENTER ST	1	---	---	---	---	---	---	---	---	---	---
03+74	LT	CENTER ST	---	---	---	---	---	---	---	---	---	1	---
03+79	RT	CENTER ST	---	---	---	---	---	---	---	1	---	---	---
06+14	LT	CENTER ST	1	---	---	---	---	---	---	---	---	---	---
06+18	LT	CENTER ST	---	---	---	---	---	---	---	---	---	1	---
06+27	LT	CENTER ST	---	---	---	1	---	---	---	---	---	---	---
06+34	RT	CENTER ST	1	---	---	---	---	---	---	1	---	---	---
		PROJECT TOTALS	3	10	1	6	1	4	1	6	8	10	1

3

WATERMAIN BENDS, TEES, & REDUCERS

STATION	DIR	LOCATION	SPV.0060.06 WATERMAIN 4-INCH BEND EACH	SPV.0060.07 WATERMAIN 6-INCH BEND EACH	SPV.0060.08 WATERMAIN 8-INCH BEND EACH	SPV.0060.09 WATERMAIN 10-INCH BEND EACH	SPV.0060.10 WATERMAIN 12-INCH BEND EACH	SPV.0060.11 WATERMAIN 10X10X4 TEE EACH	SPV.0060.12 WATERMAIN 10X10X6 TEE EACH	SPV.0060.13 WATERMAIN 10X10X10 TEE EACH	SPV.0060.14 WATERMAIN 12X12X8 TEE EACH	SPV.0060.15 WATERMAIN 12X12X10 TEE EACH	SPV.0060.16 WATERMAIN 12X12X12 TEE EACH	SPV.0060.17 WATERMAIN 10X6 REDUCER EACH	SPV.0060.18 WATERMAIN 12X6 REDUCER EACH	SPV.0060.19 WATERMAIN 12X10 REDUCER EACH
6934-06-73																
CATEGORY 0020																
160+84	RT	CTH U	---	---	---	---	---	---	---	---	---	---	1	---	---	1
160+92	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
161+94	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
165+51	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
165+65	LT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
169+94	LT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
170+17	LT	CTH U	---	---	---	---	---	---	---	---	1	---	---	---	---	---
170+28	LT	CTH U	---	---	---	---	---	---	---	---	---	1	---	---	---	---
170+33	LT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
170+44	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
174+85	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
174+95	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
185+81	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
189+23	RT	CTH U	---	1	---	---	---	---	---	---	---	---	---	---	---	---
189+27	RT	CTH U	---	1	---	---	---	---	---	---	---	---	---	---	---	---
189+33	RT	CTH U	---	---	---	---	1	---	---	---	---	---	---	---	---	---
189+37	RT	CTH U	---	---	---	---	---	---	---	---	---	---	---	---	1	---
189+40	RT	CTH U	---	---	---	---	---	---	---	---	---	---	1	---	---	---
189+44	RT	CTH U	---	---	---	---	---	---	---	---	---	---	---	---	1	---
189+56	RT	CTH U	---	1	---	---	---	---	---	---	---	---	---	---	---	---
189+59	RT	CTH U	---	1	---	---	---	---	---	---	---	---	---	---	---	---
256+26	RT	CTH U	---	---	1	---	---	---	---	---	---	---	---	---	---	---
256+31	RT	CTH U	---	---	1	---	---	---	---	---	---	---	---	---	---	---
24+69	RT	BADGER ST	---	---	1	---	---	---	---	---	---	---	---	---	---	---
24+82	LT	BADGER ST	---	---	1	---	---	---	---	---	---	---	---	---	---	---
25+12	LT	BADGER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
26+48	LT	BADGER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
26+49	LT	BADGER ST	---	---	---	---	---	---	1	---	---	---	---	---	---	---
26+53	LT	BADGER ST	---	1	---	---	---	---	---	---	---	---	---	---	---	---
26+55	LT	BADGER ST	---	1	---	---	---	---	---	---	---	---	---	---	---	---
26+56	LT	BADGER ST	---	1	---	1	---	---	---	---	---	---	---	---	---	---
28+08	RT	BADGER ST	---	---	---	---	---	---	---	1	---	---	---	---	---	---
29+48	RT	BADGER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
29+53	LT	BADGER ST	---	---	---	---	---	1	---	---	---	---	---	---	---	---
29+57	LT	BADGER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
29+59	LT	BADGER ST	---	---	---	---	---	---	---	---	---	---	---	1	---	---
29+59	RT	BADGER ST	1	---	---	---	---	---	---	---	---	---	---	---	---	---
29+62	LT	BADGER ST	---	2	---	---	---	---	---	---	---	---	---	---	---	---
29+64	RT	BADGER ST	1	---	---	---	---	---	---	---	---	---	---	---	---	---
00+31	RT	CENTER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
06+21	RT	CENTER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
06+26	RT	CENTER ST	---	---	---	1	---	---	---	---	---	---	---	---	---	---
06+37	RT	CENTER ST	---	---	---	---	---	---	---	---	---	---	---	1	---	---
		PROJECT TOTALS	2	9	4	8	11	1	1	1	1	1	2	2	2	1

3

WATERMAIN CONNECTIONS & LATERALS

STATION	DIR	LOCATION	SPV.0060.20 4-INCH WATERMAIN CONNECTION EACH	SPV.0060.21 6-INCH WATERMAIN CONNECTION EACH	SPV.0060.22 8-INCH WATERMAIN CONNECTION EACH	SPV.0060.23 10-INCH WATERMAIN CONNECTION EACH	SPV.0060.24 12-INCH WATERMAIN CONNECTION EACH	SPV.0060.31 SERVICE BRASS, TAP, BOX, SADDLE, CORP & VALVE EACH	SPV.0090.09 1-INCH PEX WATER SERVICE LF
6934-06-73									
CATEGORY 0020									
156+06	LT	CTH U	---	1	---	---	---	---	---
160+84	RT	CTH U	---	---	---	1	1	---	---
163+89	RT	CTH U	---	---	---	---	---	1	12
173+43	R/L	CTH U	---	---	---	---	---	1	34
179+75	RT	CTH U	---	---	---	---	---	1	18
180+35	RT	CTH U	---	---	---	---	---	1	18
181+04	RT	CTH U	---	---	---	---	---	1	12
181+95	RT	CTH U	---	---	---	---	---	1	12
182+90	RT	CTH U	---	---	---	---	---	1	6
189+18	RT	CTH U	---	1	---	---	---	---	---
189+60	RT	CTH U	---	1	---	---	---	---	---
255+06	RT	CTH U	---	---	1	---	---	---	---
256+36	RT	CTH U	---	---	1	---	---	---	---
24+59	RT	BADGER ST	---	---	1	---	---	---	---
26+57	LT	BADGER ST	---	1	---	---	---	---	---
29+65	R/L	BADGER ST	1	1	---	---	---	---	---
3+85	LT	CENTER ST	---	---	---	---	---	1	17
4+86	RT	CENTER ST	---	---	---	---	---	1	25
5+80	RT	CENTER ST	---	---	---	---	---	1	25
6+38	RT	CENTER ST	---	1	---	---	---	---	---
		PROJECT TOTALS	1	6	3	1	1	10	179

WATERMAIN

STATION	TO	STATION	DIR	LOCATION	SPV.0090.02 WATERMAIN CONSTRUCTION STAKING LF	SPV.0090.03 4-INCH WATERMAIN, OPEN CUT LF	SPV.0090.04 6-INCH WATERMAIN, OPEN CUT LF	SPV.0090.05 8-INCH WATERMAIN, OPEN CUT LF	SPV.0090.06 10-INCH WATERMAIN, OPEN CUT LF	SPV.0090.07 12-INCH WATERMAIN, OPEN CUT LF	SPV.0090.08 12-INCH WATERMAIN, DIRECTIONALLY BORED LF
6934-06-73											
CATEGORY 0020											
156+06			R/L	CTH U	51	---	51	---	---	---	---
160+85	-	160+92	RT	CTH U	6	---	---	---	---	6	---
160+92	-	161+94	RT	CTH U	100	---	---	---	---	---	100
161+94	-	162+33	RT	CTH U	37	---	---	---	---	37	---
162+33	-	165+51	RT	CTH U	317	---	---	---	---	317	---
165+51	-	169+94	R/L	CTH U	445	---	---	---	---	445	---
169+94	-	170+33	LT	CTH U	37	---	---	---	---	37	---
170+33	-	170+80	RT	CTH U	49	---	---	---	---	49	---
170+80	-	174+95	RT	CTH U	414	---	---	---	---	414	---
174+95	-	178+83	RT	CTH U	388	---	---	---	---	388	---
178+83	-	183+99	RT	CTH U	511	---	---	---	---	511	---
183+99	-	185+81	RT	CTH U	182	---	---	---	---	182	---
185+81	-	189+33	RT	CTH U	365	---	---	---	---	365	---
189+33	-	189+44	RT	CTH U	13	---	---	---	---	13	---
189+44	-	189+60	RT	CTH U	19	---	19	---	---	---	---
189+18	-	189+40	RT	CTH U	22	---	22	---	---	---	---
189+37	-	189+40	RT	CTH U	4	---	---	---	---	4	---
255+06	-	256+36	RT	CTH U	134	---	---	134	---		---
24+59	-	24+97	R/L	BADGER ST	37	---	---	37	---	---	---
24+99	-	26+49	LT	BADGER ST	146	---	---	---	146	---	---
26+49			LT	BADGER ST	15	---	15	---	---	---	---
26+49	-	29+48	RT	BADGER ST	296	---	---	---	296	---	---
29+48	-	29+59	LT	BADGER ST	16	---	---	---	16	---	---
29+59			LT	BADGER ST	17	---	17	---	---	---	---
29+53			RT	BADGER ST	26	26	---	---	---	---	---
00+02	-	03+74	R/L	CENTER ST	370	---	---	---	370	---	---
03+74	-	06+38	RT	CENTER ST	260	---	---	---	260	---	---
				PROJECT TOTALS	4277	26	124	171	1088	2768	100

WATERMAIN INSULATION

STATION	TO	STATION	DIR	LOCATION	SPV.0165.05* INSULATION SF
6934-06-73					
CATEGORY 0020					
189+15	-	189+28	RT	CTH U	115
189+54	-	189+62	RT	CTH U	35
27+52	-	28+53	RT	BADGER ST	450
29+63	-	29+66	LT	BADGER ST	45
				CATEGORY 0020 TOTAL	645

*ADDITIONAL 0010 QUANTITIES SHOWN IN THE ROADWAY INSULATION TABLE

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
RIGHT OF WAY IRON FOUND
SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)
OFF-PREMISE SIGN

EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25)
UTILITY NUMBER (40)
PARALLEL OFFSETS

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

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)

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
ELECTRIC TOWER	

(161) = R/W POINT
[171] = TLE POINT

CURVE DATA ABBREVIATIONS

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

CONVENTIONAL ABBREVIATIONS

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

NOTES:

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

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

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

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

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

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

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

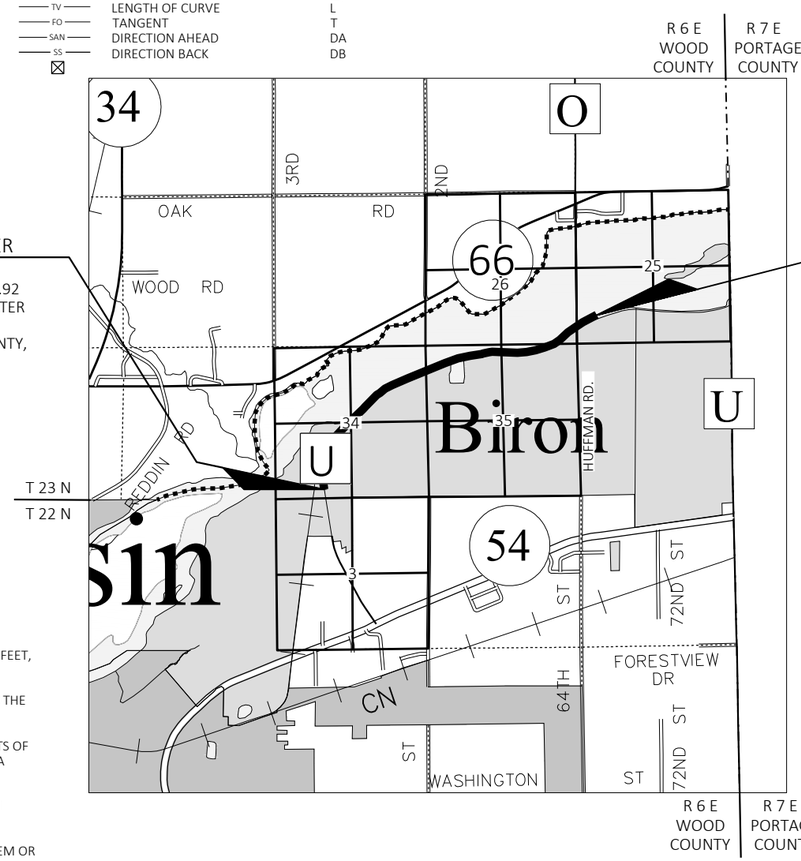
A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR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

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

GRAPHIC REPRESENTATION AND REFERENCE PURPOSES ONLY DISCLAIMER:
THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSE ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

BEGIN RELOCATION ORDER
STATION 149+85.00
217.60 FEET NORTH OF AND 954.92 FEET WEST OF THE SOUTH QUARTER CORNER OF SEC. 34, T23N, R6E, VILLAGE OF BIRON , WOOD COUNTY, WISCONSIN.
Y: 464144.173'
X: 741385.545'

END RELOCATION ORDER
STATION 268+63.74
571.59 FEET NORTH OF AND 322.70 FEET EAST OF THE SOUTHWEST CORNER OF SEC. 25, T23N, R6E, VILLAGE OF BIRON, WOOD COUNTY, WISCONSIN.
Y: 469871.594'
X: 750505.928'



N

LAYOUT
SCALE 0 5280'

TOTAL NET LENGTH OF CENTERLINE = 11,878.74' (2.25 MILES)

WISCONSIN
TERRY L. VAN HOUT
S-2526
GREEN BAY, WI
LAND SURVEYOR

11-04-2024

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6934-06-03		
CONSTRUCTION PROJECT NUMBER	4.01	21
6934-06-73		

PLAT OF RIGHT OF WAY REQUIRED FOR

VILLAGE OF BIRON, CTH "U"
BIRON DR. S. - HUFFMAN RD.

CTH "U", VILLAGE OF BIRON	WOOD COUNTY

REVISION DATE	WOOD COUNTY
05-23-2025 10-08-2025	APPROVED FOR THE COUNTY DATE: _____ _____ (Signatur

FILE NAME : N:\3001265.00\CIVIL 3D\RW\6934-06-03 - TITLE.DWG
PLOT DATE : 10/8/2025 10:40 AM
PLOT BY : ETHAN KARLS
PLOT NAME :

SCHEDULE OF LANDS AND INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLE OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE COUNTY.

PARCEL NUMBER	SHEET NUMBER(S)	OWNER(S)	INTEREST REQUIRED	R/W AREA REQUIRED - SF			HE SF REQUIRED	PLE SF REQUIRED	RDE SF REQUIRED	TLE SF REQUIRED
				NEW	EXISTING	TOTAL				
2	4.10	SPARHAWK PROPERTIES LLC	FEE, TLE	1725	-	1725	-	-	-	1482
3	4.10	SPARHAWK PROPERTIES LLC	FEE, TLE	503	-	503	-	-	-	916
4	4.10	ND PAPER, INC.	TLE	-	-	-	-	-	-	5677
5	4.10, 4.11, 4.12	ND PAPER, INC.	HE, TLE		-	-	537	-	-	16535
6	4.10	ND PAPER, INC.	HE, TLE	-	-	-	692	-	-	233
7	4.10, 4.11	ND PAPER, INC.	TLE	-	-	-	-	-	-	1817
8	4.11	ND PAPER, INC.	HE, TLE	-	-	-	192	-	-	2562
9	4.11, 4.12	ND PAPER, INC.	HE, TLE	-	-	-	74	-	-	2186
11	4.12	ND PAPER, INC.	HE	-	-	-	3593	-	-	-
12	4.12	ND PAPER, INC.	HE	-	-	-	14350	-	-	-
13	4.12	ND PAPER, INC.	HE	-	-	-	3582	-	-	-
14	4.12	CONSOLIDATED WATER POWER CO	TLE	-	-	-	-	-	-	146
16	4.12	ND PAPER, INC.	TLE	-	-	-	-	-	-	1051
17	4.12	ND PAPER, INC.	TLE	-	-	-	-	-	-	951
18	4.12, 4.13	TRISHA M. SVOBODA	TLE	-	-	-	-	-	-	747
19	4.13	ND PAPER, INC.	HE, TLE	-	-	-	51	-	-	1438
21	4.13	ND PAPER, INC.	HE, TLE	-	-	-	344	-	-	397
22	4.13, 4.14	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	20144	-	20144	-	-	-	4417
23	4.14, 4.15	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	21297	6940	28237	-	-	-	940
24	4.14, 4.15	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	2015	6992	9008	-	-	-	3158
26	4.15, 4.16	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	4886	7653	12539	-	-	-	2806
27	4.16	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	378	16808	17186	-	-	-	1377
28	4.16, 4.17	DEMPZE CRANBERRY CO.	FEE, TLE	11244	-	11244	-	-	-	444
29	4.17	JJW CRANBERRIES, LLC	TLE	-	-	-	-	-	-	5065
31	4.17, 4.18	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	-	61112	61112	-	-	-	586
32	4.18	CONSOLIDATED WATER POWER COMPANY	FEE, TLE	-	66755	66755	-	-	-	738
33	4.18, 4.19	KENNETH R JINSKY, JR.	PLE, TLE	-	-	-	-	400	-	3659

SCHEDULE OF LANDS AND INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLE OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE COUNTY.

PARCEL NUMBER	SHEET NUMBER(S)	OWNER(S)	INTEREST REQUIRED	R/W AREA REQUIRED - SF			HE SF REQUIRED	PLE SF REQUIRED	RDE SF REQUIRED	TLE SF REQUIRED
				NEW	EXISTING	TOTAL				
36	4.19	BARRY M & WANDA M LAVIOLETTE	TLE	-	-	-	-	-	-	1795
37	4.19	MICHELE M BALLEW	TLE	-	-	-	-	-	-	172
39	4.20	MICHELE BALLEW	TLE	-	-	-	-	-	-	172
41	4.20	DOUGLAS J & SHARON VILLEVEUVE	TLE	-	-	-	-	-	-	353
42	4.20	DENISE E. LILA RADOMSKI	RDE, TLE	-	-	-	-	-	252	1827
43	4.20, 4.21	KEITH R. WILKES	RDE, TLE	-	-	-	-	-	317	1057
44	4.19	CHARLOTTE A & PHILIP L ARENDT	PLE	-	-	-	-	1	-	-
46	4.19	CONSOLIDATED WATER POWER COMPANY	PLE	-	-	-	-	1195	-	-
47	4.19	BARRY M & WANDA M LAVIOLETTE	PLE	-	-	-	-	45	-	-
501	4.10, 4.20	SOLARUS	RELEASE OF RIGHTS	-	-	-	-	-	-	-
502	4.10, 4.11, 4.14, 4.15	CONSOLIDATED WATER POWER COMPANY	RELEASE OF RIGHTS	-	-	-	-	-	-	-
503	4.10, 4.11, 4.13, 4.14, 4.21	VILLAGE OF BIRON	RELEASE OF RIGHTS	-	-	-	-	-	-	-
504	4.11	SPECTRUM	RELEASE OF RIGHTS	-	-	-	-	-	-	-

4

4

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 25 50

HWY: CTH U

COUNTY: WOOD

R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.03

PS&E SHEET 176

E

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - SCHEDULE OF LANDS (4.03)

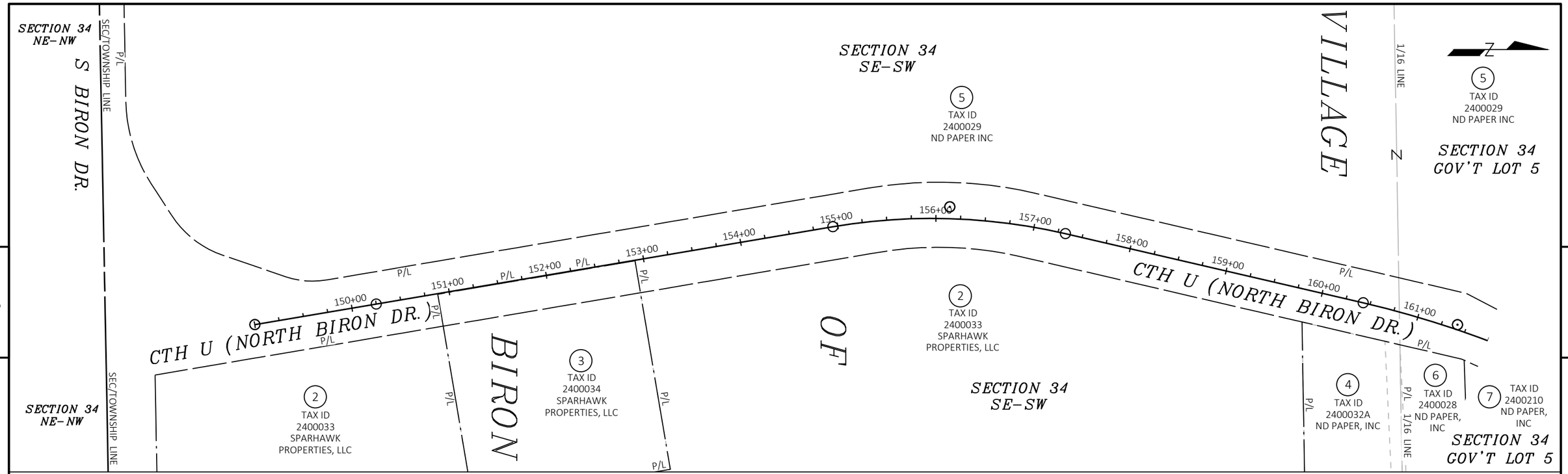
PLOT DATE : 10/8/2025 10:34 AM

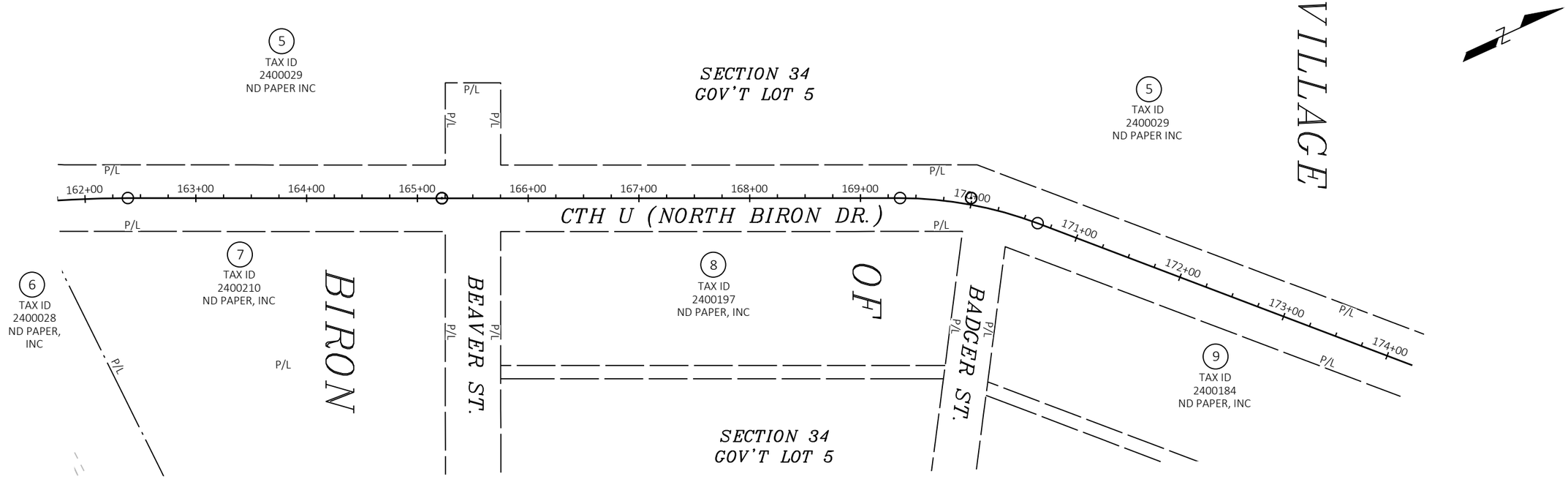
PLOT BY : ETHAN KARLS

PLOT NAME :

PLOT SCALE :

WISDOT/CADDS SHEET 75



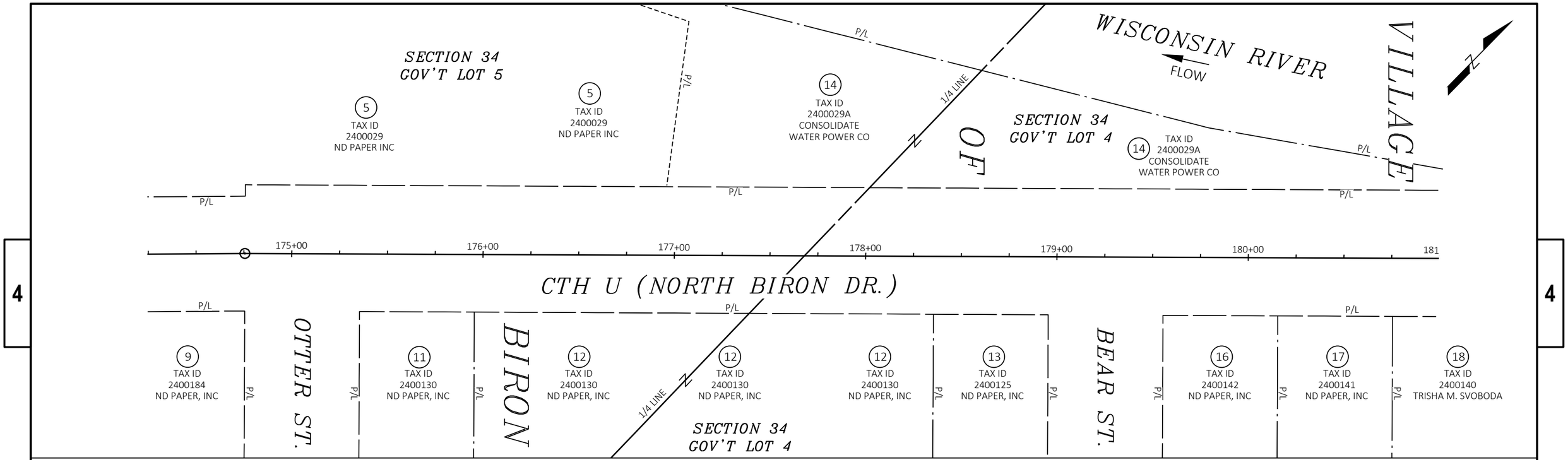


REVISION DATE 05-23-2025-NC 10-08-2025-NC	DATE 11-04-2024 GRID FACTOR	SCALE, FEET 0 50 100	HWY: CTH U COUNTY: WOOD	R/W PROJECT NUMBER 6934-06-03 CONSTRUCTION PROJECT NUMBER 6934-06-73	PLAT SHEET 4.04 PS&E SHEET 177 E

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - RWPLAT 4.04

PLOT DATE : 10/8/2025 10:34 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

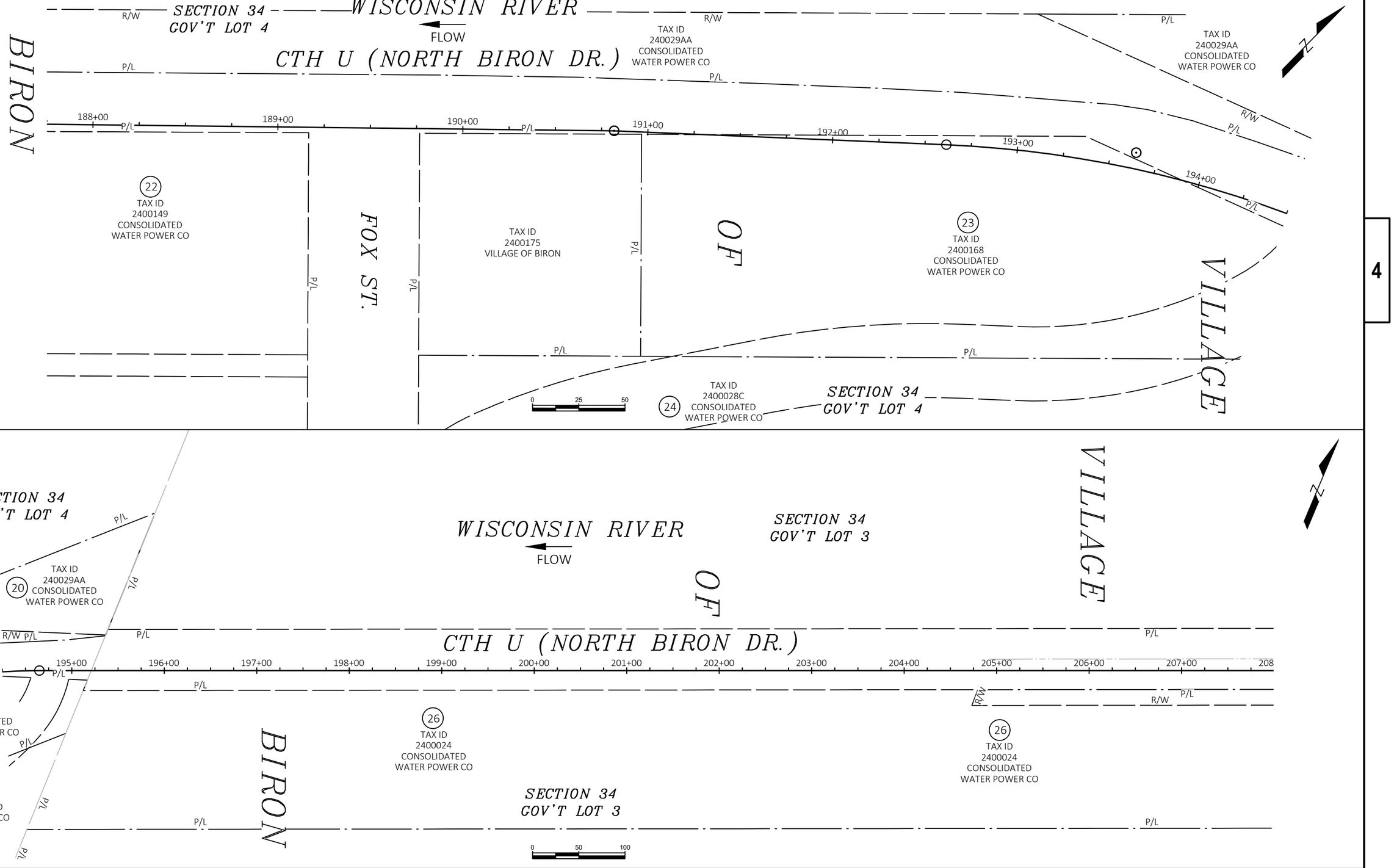
WISDOT/CADDS SHEET 75



REVISION DATE 05-23-2025-NC 10-08-2025-NC	DATE 11-04-2024 GRID FACTOR	SCALE, FEET 0 25 50	HWY: CTH U COUNTY: WOOD	R/W PROJECT NUMBER 6934-06-03 CONSTRUCTION PROJECT NUMBER 6934-06-73	PLAT SHEET 4.05 PS&E SHEET 178 E

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - RWPLAT 4.05

PLOT DATE : 10/8/2025 10:35 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

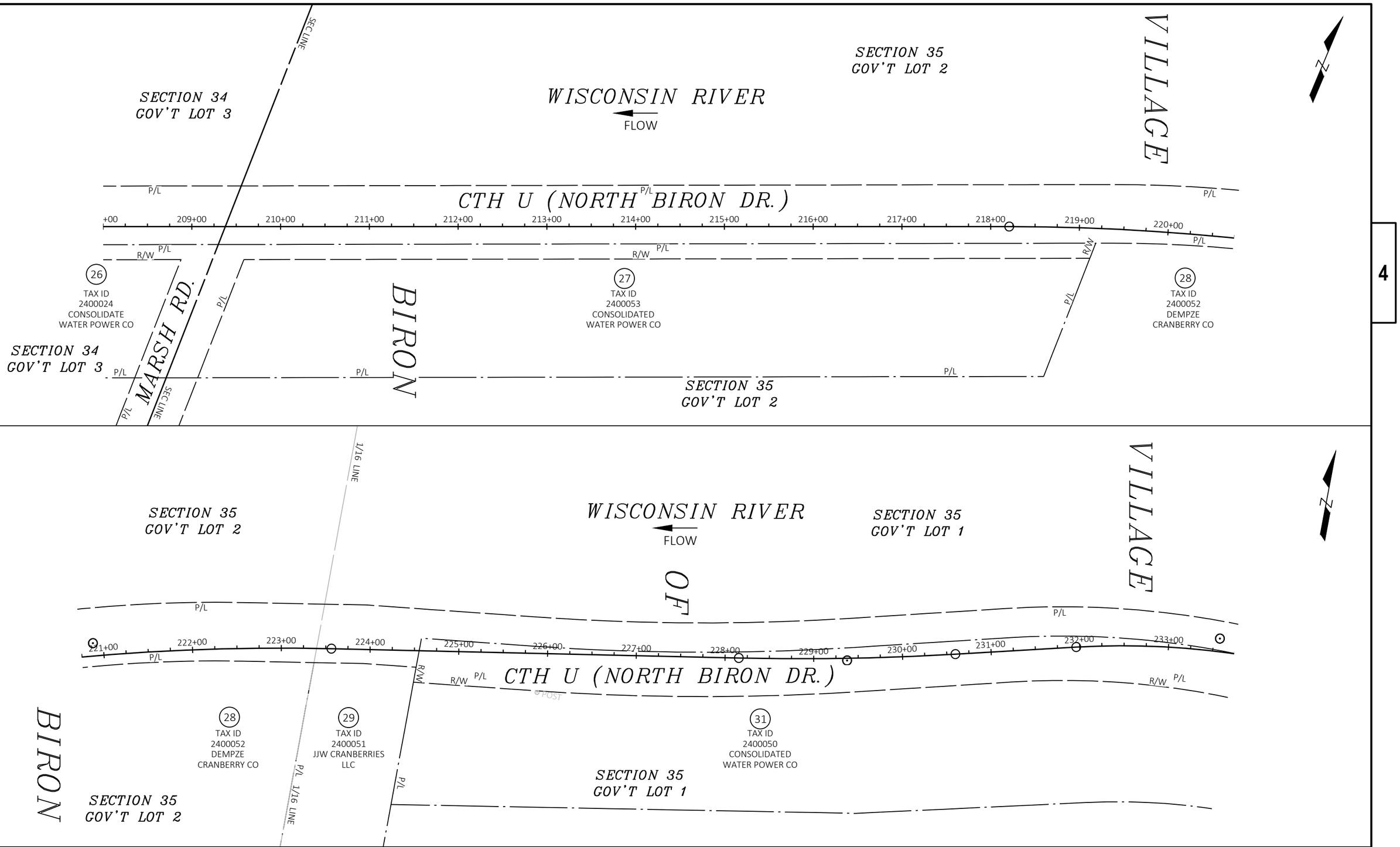


REVISION DATE 05-23-2025-NC 10-08-2025-NC	DATE 11-04-2024 GRID FACTOR	SCALE, FEET VARIES	HWY: CTH U COUNTY: WOOD	R/W PROJECT NUMBER 6934-06-03 CONSTRUCTION PROJECT NUMBER 6934-06-73	PLAT SHEET 4.06 PS&E SHEET 179

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - RWPLAT 4.06

PLOT DATE : 10/8/2025 10:35 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



REVISION DATE 05-23-2025-NC 10-08-2025-NC	DATE 11-04-2024 GRID FACTOR	SCALE, FEET 0 50 100	HWY: CTH U COUNTY: WOOD	R/W PROJECT NUMBER 6934-06-03 CONSTRUCTION PROJECT NUMBER 6934-06-73	PLAT SHEET 4.07 PS&E SHEET 180 E

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - RWPLAT 4.07

PLOT DATE : 10/8/2025 10:36 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75

SECTION 26
GOV'T LOT 5

SEC LINE

SEC LINE

WISCONSIN RIVER
FLOW

1/4 LINE

OF VILLAGE OF BIRON

SECTION 26
GOV'T LOT 5

SEC LINE

N

234+00 P/L 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00 P/L 244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00 P/L 253+00 254

P/L

R/W P/L

R/W P/L

CTH U (NORTH BIRON DR.)

⊗ POST ⊗ POST ⊗ POST

R/W

1/16 LINE

P/L

(31)
TAX ID
2400050
CONSOLIDATED
WATER POWER CO

(32)
TAX ID
2400047
CONSOLIDATED
WATER POWER CO

(33)
TAX ID
2400046
KENNETH R JINSKY JR

SECTION 35
GOV'T LOT 1

SECTION 35
NW–NE

SECTION 35
NE–NE

1/4 LINE P/L

0 75 150

4

4

SECTION 26
GOV'T LOT 5

SEC LINE

WISCONSIN RIVER
FLOW

(44)
TAX ID
2400544
CHARLOTTE A. &
PHILIP L. ARENDT

TAX ID
2400543

(46)

TAX ID
2400543A
CONSOLIDATED
WATER POWER
COMPANY

(47)
TAX ID
2400547
BARY M & WANDA
M LAVIOLETTE

TAX ID
2400548

TAX ID
2400606

OF VILLAGE OF BIRON

N

P/L

+00 255+00 256+00 257+00 258+00 259+00 260+00

P/L

P/L

CTH U (NORTH BIRON DR.)

R/W R/W R/W P/L

P/L P/L P/L P/L P/L P/L P/L

(33)
TAX ID
2400046
KENNETH R JINSKY JR

SECTION 35
NE–NE

TAX ID
2400046B
CHRISTINE A
HOFFMAN

TAX ID
2400018B

SEC LINE

(36)
TAX ID
2400018A
BARY M & WANDA
M LAVIOLETTE

(37)
TAX ID
2400018C
MICHELE M
BALLEW

TAX ID
2400018E

SECTION 26
GOV'T LOT 5

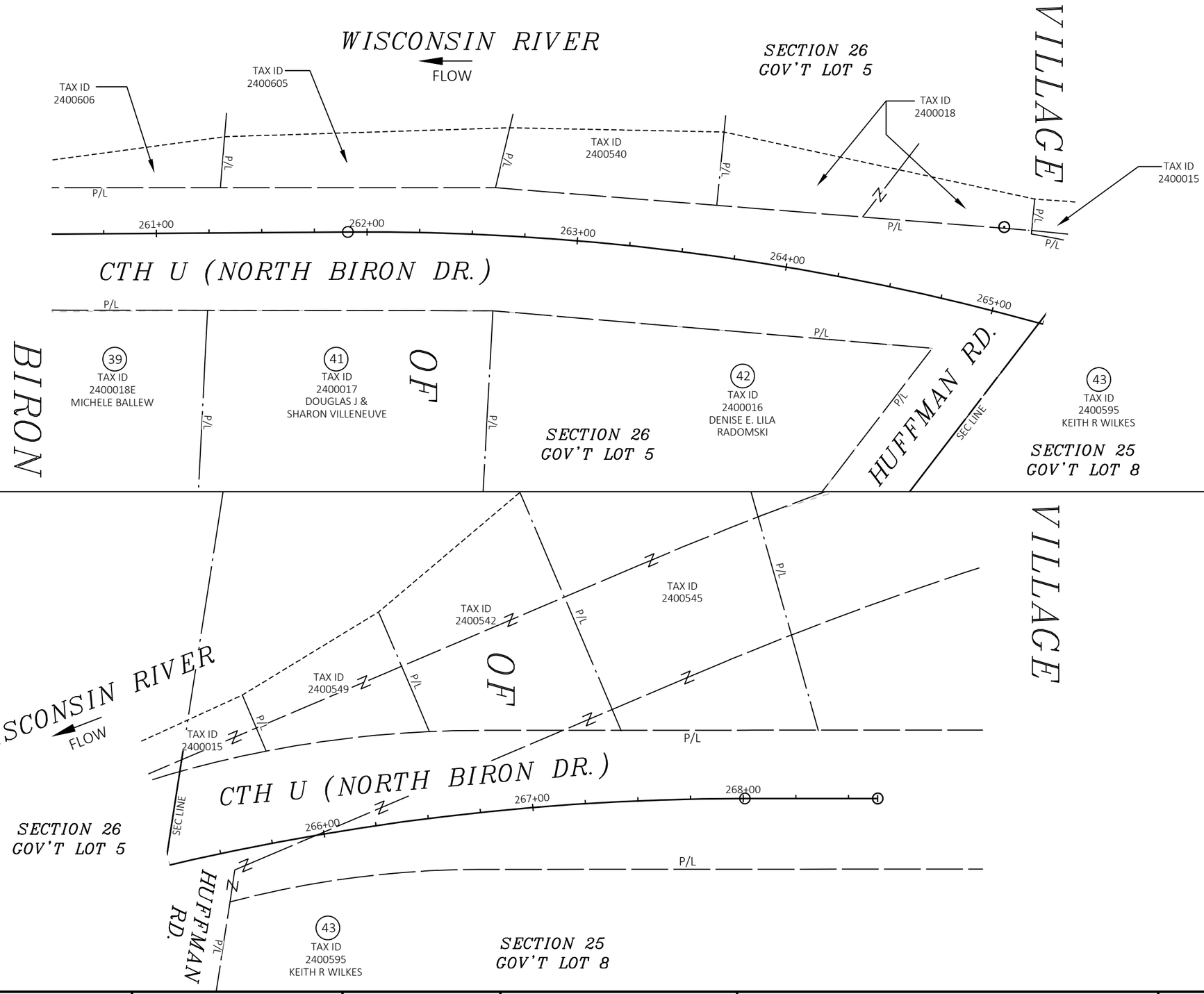
0 25 50

REVISION DATE 05-23-2025-NC 10-08-2025-NC	DATE 11-04-2024 GRID FACTOR	SCALE, FEET VARIES	HWY: CTH U COUNTY: WOOD	R/W PROJECT NUMBER 6934-06-03 CONSTRUCTION PROJECT NUMBER 6934-06-73	PLAT SHEET 4.08 PS&E SHEET — 181 E

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - RWPLAT 4.08

PLOT DATE : 10/8/2025 10:36 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



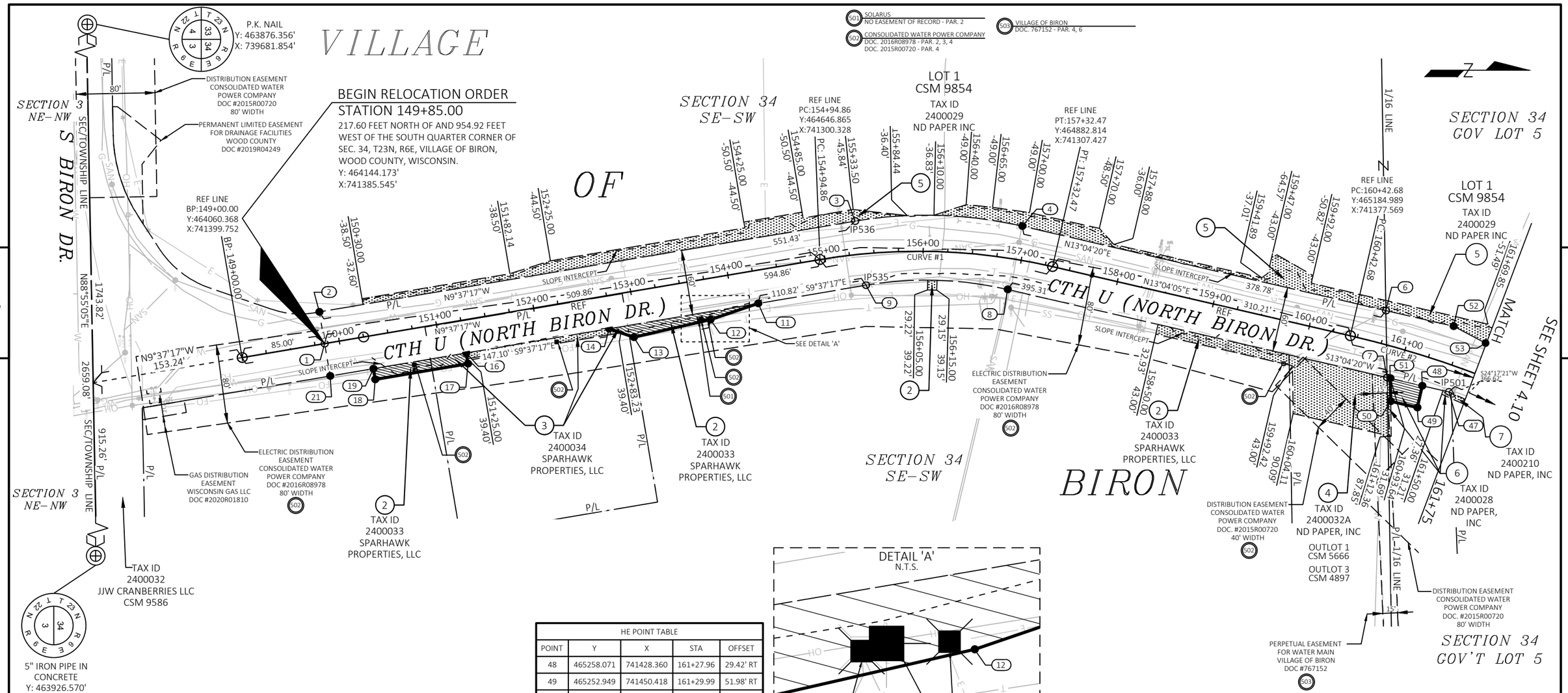
4

REVISION DATE			
05-23-2025-NC			
10-08-2025-NC			

DATE 11-04-2024	SCALE, FEET 0 25 50	HWY: CTH U	R/W PROJECT NUMBER 6934-06-03	PLAT SHEET 4.09	
GRID FACTOR		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6934-06-73	PS&E SHEET 182	E

FILE NAME : 6934-06-03 - RW LAYOUT.DWG
LAYOUT NAME - RWPLAT 4.09

PLOT DATE : 10/8/2025 10:37 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :



R/L CURVE #1
PI STA = 156+15.24
PI Y = 464765.552
PI X = 741280.208
PT STA = 157+32.47
PT Y = 464882.814
PT X = 741307.427
DELTA = 22°41'23"
D = 9°32'57"
T = 120.38
L = 237.60
R = 600.00
PC STA = 154+94.86
PC Y = 464646.865
PC X = 741300.328

R/L CURVE #2
PI STA = 161+40.88
PI Y = 465280.646
PI X = 741399.773
PT STA = 162+38.45
PT Y = 465370.156
PT X = 741440.161
DELTA = 11°13'01"
D = 5°43'46"
T = 98.20
L = 195.77
R = 1000.00
PC STA = 160+42.68
PC Y = 465184.989
PC X = 741377.569

POINT TABLE				
POINT	Y	X	STA	OFFSET
1	464144.173	741385.545	149+85.00	0.00' RT
2	464138.725	741353.408	149+85.00	32.60' LT
3	464682.396	741261.243	155+34.23	33.96' LT
4	464852.171	741266.357	156+95.43	34.29' LT
6	465221.138	741352.029	160+71.17	33.47' LT
7	465222.312	741420.057	160+90.17	31.86' RT
8	464837.243	741330.647	156+91.12	31.57' RT
9	464693.427	741326.315	155+38.80	31.88' RT
11	464584.161	741344.838	154+25.60	33.40' RT
12	464535.623	741361.278	153+75.00	41.50' RT

HE POINT TABLE				
POINT	Y	X	STA	OFFSET
48	465258.071	741428.360	161+27.96	29.42' RT
49	465252.949	741450.418	161+29.99	51.98' RT
50	465225.941	741444.147	161+00.79	54.00' RT
51	465225.584	741420.817	160+93.64	31.69' RT
53	465322.307	741385.022	161+74.21	32.71' LT

POINT TABLE				
POINT	Y	X	STA	OFFSET
13	464458.039	741379.036	152+95.54	46.04' RT
14	464432.819	741370.494	152+72.10	33.40' RT
16	464287.787	741395.080	151+25.00	33.40' RT
17	464289.625	741405.925	151+25.00	44.40' RT
18	464195.400	741421.899	150+29.43	44.40' RT
19	464193.561	741411.053	150+29.43	33.40' RT
21	464149.756	741418.479	149+85.00	33.40' RT
47	465285.023	741434.619	161+56.29	26.68' RT
52	465289.845	741367.983	161+39.15	37.87' LT

LINE TABLE		
LINE #	DIRECTION	LENGTH
1-2	S80° 22' 43"W	32.60'
6-7	N89° 00' 42"E	68.04'
11-12	S18° 42' 42"E	51.25'
12-13	S12° 53' 31"E	79.59'
13-14	S18° 42' 42"W	26.63'
16-17	N80° 22' 43"E	11.00'
17-18	S09° 37' 17"E	95.57'
18-19	S80° 22' 43"W	11.00'
19-21	S09° 37' 17"E	44.43'

LINE TABLE		
LINE #	DIRECTION	LENGTH
21-1	S80° 22' 43"W	33.40'
47-48	S13° 04' 20"W	27.67'
48-49	S76° 55' 40"E	22.64'
49-50	S13° 04' 20"W	27.73'
50-51	S89° 07' 22"W	23.33'
6-52	N13° 04' 20"E	70.54'
52-53	N27° 41' 46"E	36.66'
51-7	S13° 04' 20"W	3.36'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
3-4	170.97'	431.65'	22°41'37"	169.85'	N01° 43' 31"E
8-9	144.83'	365.65'	22°41'37"	143.88'	S01° 43' 31"W

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
501	465279.803	741433.076	3/4" IRON REBAR
535	464693.734	741326.238	1" IRON PIPE
536	464682.372	741261.130	1" IRON PIPE

EXISTING RIGHT-OF-WAY OF CTH U IS BASED CSM's 9854, 5666 AND 4897 ON FILE AT WOOD COUNTY.

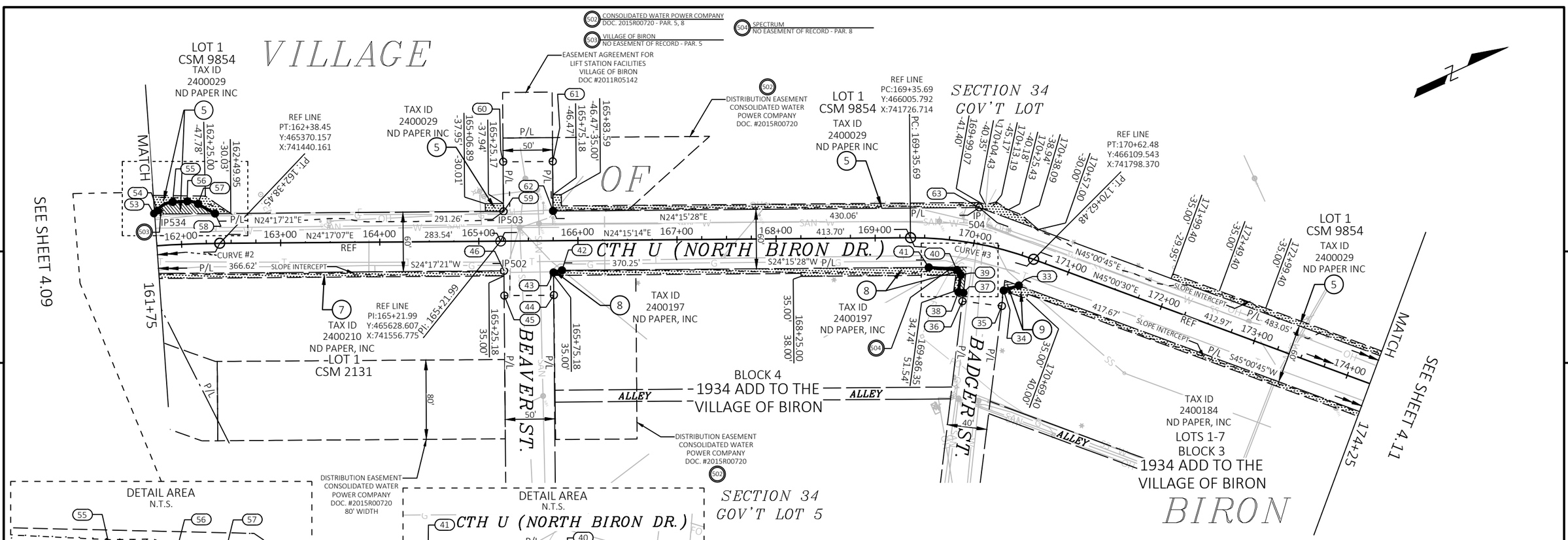
TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025

DATE 11-04-2024
GRID FACTOR
SCALE, FEET 0 50 100
HWY: CTH U
COUNTY: WOOD
STATE R/W PROJECT NUMBER 6934-06-03
CONSTRUCTION PROJECT NUMBER 6934-06-73
PLAT SHEET 4.10
PS&E SHEET 183
E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.10
PLOT DATE : 10/8/2025 10:19 AM
PLOT BY : ETHAN KARLS
PLOT NAME :
PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #2
PI STA = 161+40.88
PI Y = 465280.646
PI X = 741399.773
PT STA = 162+38.45
PT Y = 465370.156
PT X = 741440.161
DELTA = 11°13'01"
D = 5°43'46"
T = 98.20
L = 195.77
R = 1000.00
PC STA = 160+42.68
PC Y = 465184.989
PC X = 741377.569

R/L CURVE #3
PI STA = 169+99.79
PI Y = 466064.228
PI X = 741753.042
PT STA = 170+62.48
PT Y = 466109.543
PT X = 741798.370
DELTA = 20°45'17"
D = 16°22'13"
T = 64.09
L = 126.78
R = 350.00
PC STA = 169+35.69
PC Y = 466005.792
PC X = 741726.714

FOUND MONUMENT TABLE

POINT #	Y	X	DESCRIPTION
502	465619.110	741585.847	1" IRON PIPE
503	465643.821	741530.719	NO DESCRIPTION
504	466081.394	741728.081	NO DESCRIPTION
534	465330.607	741389.505	CHISELED X IN 4" IRON PIPE

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
39-40	7.06'	4.50'	89°53'47"	6.36'	S77° 32' 57"W
40-41	28.49'	320.50'	5°05'38"	28.49'	S30° 03' 15"W
53-54	4.59'	9.33'	28°10'52"	4.54'	N15° 58' 21"W
54-55	18.40'	20.21'	52°09'37"	17.77'	N03° 58' 58"W
56-57	11.30'	20.01'	32°20'55"	11.15'	N38° 16' 18"E

POINT TABLE

POINT	Y	X	STA	OFFSET
35	466060.673	741827.736	170+46.12	55.00' RT
36	466026.622	741806.747	169+98.57	59.74' RT
44	465654.505	741628.767	165+75.18	55.00' RT
45	465608.929	741608.204	165+25.18	54.97' RT
46	465619.187	741585.437	165+25.18	30.00' RT
59	465643.829	741530.717	165+25.17	30.01' LT
60	465664.393	741485.141	165+25.19	80.01' LT
61	465709.979	741505.682	165+75.19	80.01' LT
62	465689.416	741551.257	165+75.17	30.01' LT
63	466081.504	741727.943	169+99.04	36.29' LT

LINE TABLE

LINE #	DIRECTION	LENGTH
33-34	S06° 26' 24"W	15.97'
34-35	S58° 21' 02"E	15.75'
35-36	S31° 38' 58"W	40.00'
36-37	N58° 21' 02"W	8.54'
37-38	S31° 38' 58"W	5.19'
38-39	N57° 30' 09"W	17.47'
42-43	S09° 50' 30"W	8.73'
43-44	S65° 44' 46"E	22.84'
44-45	S24° 17' 07"W	50.00'
45-46	N65° 44' 46"W	24.98'
55-56	N22° 05' 50"E	14.73'
57-58	N54° 03' 04"E	19.67'
59-60	N65° 42' 54"W	50.00'
60-61	N24° 15' 20"E	50.00'
61-62	S65° 42' 54"E	50.00'

HE POINT TABLE

POINT	Y	X	STA	OFFSET
33	466084.809	741816.121	170+57.08	30.00' RT
34	466068.937	741814.329	170+42.83	39.51' RT
37	466031.102	741799.480	169+98.07	51.21' RT
38	466026.687	741796.759	169+91.99	51.42' RT
39	466036.071	741782.027	169+91.67	33.96' RT
40	466034.700	741775.818	169+86.68	29.50' RT
41	466010.044	741761.552	169+55.56	29.50' RT
42	465672.485	741609.439	165+83.63	29.99' RT
43	465663.885	741607.947	165+75.18	32.16' RT
53	465322.307	741385.022	161+74.21	32.71' LT
54	465326.676	741383.772	161+77.74	35.42' LT
55	465344.403	741382.537	161+93.21	43.00' LT
56	465358.048	741388.077	162+07.33	43.00' LT
57	465366.803	741394.986	162+17.65	40.02' LT
58	465378.351	741410.909	162+34.02	30.04' LT

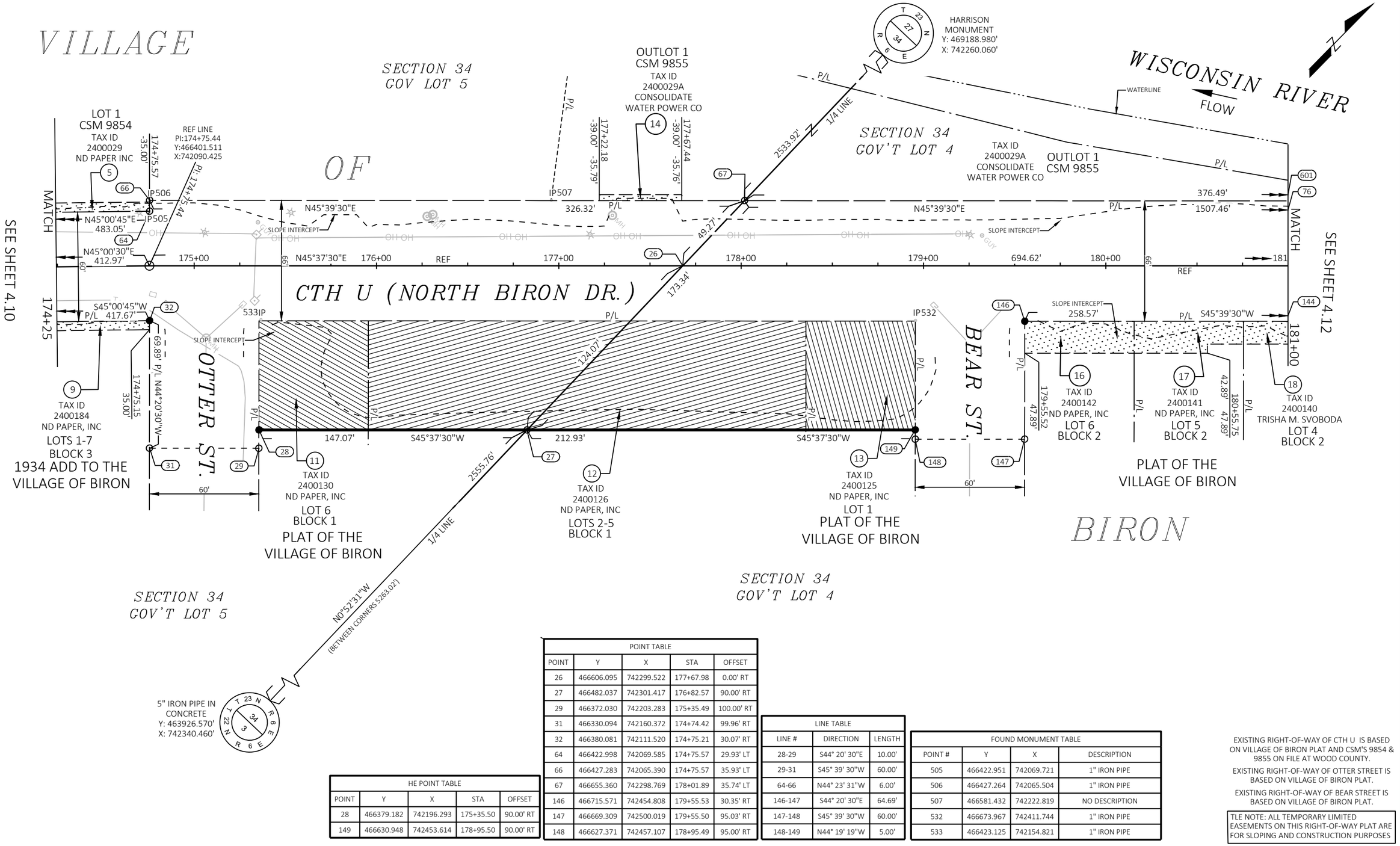
EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON VILLAGE OF BIRON PLAT AND CSM'S 9854 & 2131 ON FILE AT WOOD COUNTY.
EXISTING RIGHT-OF-WAY OF BEAVER STREET IS BASED ON VILLAGE OF BIRON PLAT AND CSM 2131 ON FILE AT WOOD COUNTY.
EXISTING RIGHT-OF-WAY OF BADGER STREET IS BASED ON VILLAGE OF BIRON PLAT

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024
GRID FACTOR
SCALE, FEET 0 50 100
HWY: CTH U
COUNTY: WOOD
STATE R/W PROJECT NUMBER 6934-06-03
CONSTRUCTION PROJECT NUMBER 6934-06-73
PLAT SHEET 4.11
PS&E SHEET 184
E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.11
PLOT DATE : 10/8/2025 10:25 AM
PLOT BY : ETHAN KARLS
PLOT NAME :
PLOT SCALE :



POINT TABLE				
POINT	Y	X	STA	OFFSET
26	466606.095	742299.522	177+67.98	0.00' RT
27	466482.037	742301.417	176+82.57	90.00' RT
29	466372.030	742203.283	175+35.49	100.00' RT
31	466330.094	742160.372	174+74.42	99.96' RT
32	466380.081	742111.520	174+75.21	30.07' RT
64	466422.998	742069.585	174+75.57	29.93' LT
66	466427.283	742065.390	174+75.57	35.93' LT
67	466655.360	742298.769	178+01.89	35.74' LT
146	466715.571	742454.808	179+55.53	30.35' RT
147	466669.309	742500.019	179+55.50	95.03' RT
148	466627.371	742457.107	178+95.49	95.00' RT

HE POINT TABLE				
POINT	Y	X	STA	OFFSET
28	466379.182	742196.293	175+35.50	90.00' RT
149	466630.948	742453.614	178+95.50	90.00' RT

LINE TABLE		
LINE #	DIRECTION	LENGTH
28-29	S44° 20' 30"E	10.00'
29-31	S45° 39' 30"W	60.00'
64-66	N44° 23' 31"W	6.00'
146-147	S44° 20' 30"E	64.69'
147-148	S45° 39' 30"W	60.00'
148-149	N44° 19' 19"W	5.00'

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
505	466422.951	742069.721	1" IRON PIPE
506	466427.264	742065.504	1" IRON PIPE
507	466581.432	742222.819	NO DESCRIPTION
532	466673.967	742411.744	1" IRON PIPE
533	466423.125	742154.821	1" IRON PIPE

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON VILLAGE OF BIRON PLAT AND CSM'S 9854 & 9855 ON FILE AT WOOD COUNTY.

EXISTING RIGHT-OF-WAY OF OTTER STREET IS BASED ON VILLAGE OF BIRON PLAT.

EXISTING RIGHT-OF-WAY OF BEAR STREET IS BASED ON VILLAGE OF BIRON PLAT.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET 0 25 50

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.12

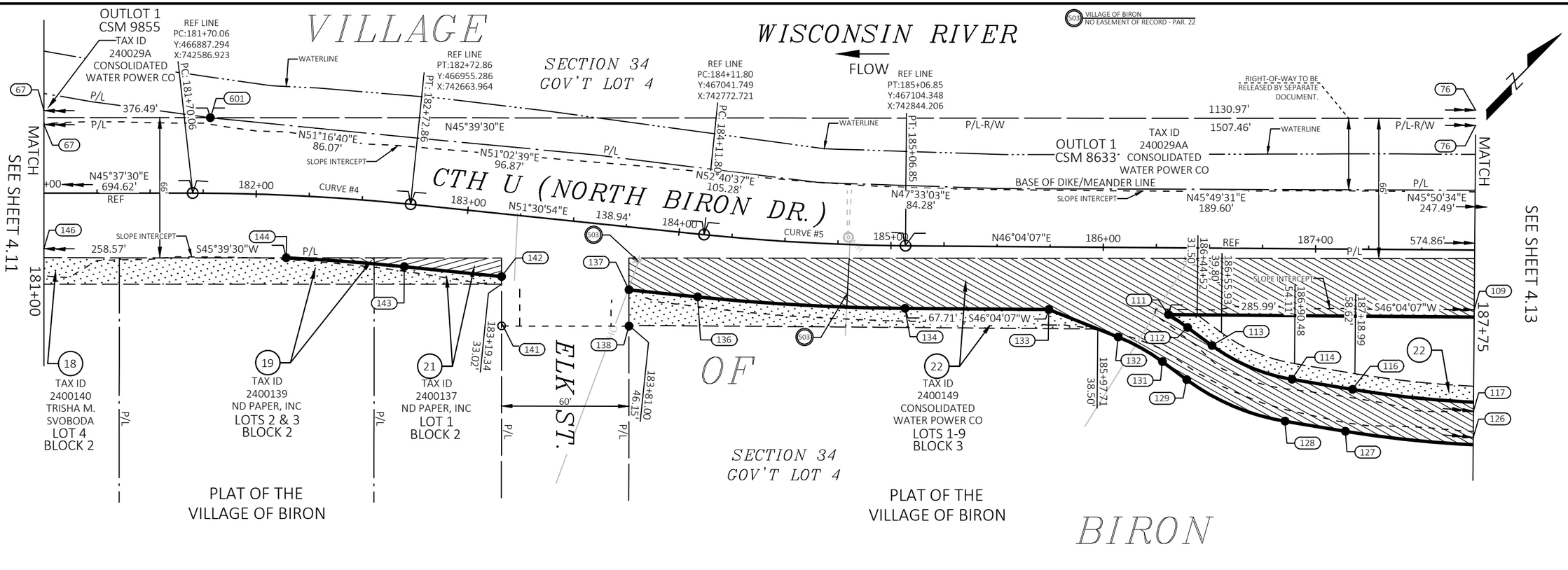
PS&E SHEET 185

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.12

PLOT DATE : 10/8/2025 10:25 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #4
PI STA = 182+21.51
PI Y = 466923.272
PI X = 742623.695
PT STA = 182+72.86
PT Y = 466955.286
PT X = 742663.964
DELTA = 5°53'24"
D = 5°43'46"
T = 51.44
L = 102.80
R = 1000.00
PC STA = 181+70.06
PC Y = 466887.294
PC X = 742586.923

R/L CURVE #5
PI STA = 184+59.36
PI Y = 467071.349
PI X = 742809.952
PT STA = 185+06.85
PT Y = 467104.348
PT X = 742844.206
DELTA = 5°26'47"
D = 5°43'46"
T = 47.56
L = 95.05
R = 1000.00
PC STA = 184+11.80
PC Y = 467041.749
PC X = 742772.721

HE POINT TABLE

POINT	Y	X	STA	OFFSET
142	466960.896	742718.424	183+18.98	29.50' RT
143	466932.195	742682.322	182+72.86	29.50' RT
144	466896.291	742639.730	182+15.45	29.50' RT

POINT TABLE

POINT	Y	X	STA	OFFSET
111	467167.708	742955.378	186+30.87	31.50' RT
112	467169.725	742966.071	186+39.98	37.47' RT
113	467171.690	742980.215	186+51.52	45.86' RT
114	467186.631	743018.291	186+89.31	61.52' RT
116	467203.160	743041.948	187+17.82	66.03' RT
117	467262.101	743111.438	188+08.75	71.80' RT
128	467170.236	743029.745	186+86.19	81.28' RT
129	467151.880	742982.966	186+39.76	62.04' RT

POINT TABLE

POINT	Y	X	STA	OFFSET
131	467149.915	742968.823	186+28.21	53.64' RT
132	467143.638	742945.874	186+07.33	42.24' RT
133	467130.077	742913.433	185+74.56	29.50' RT
134	467083.103	742864.673	185+06.85	29.50' RT
136	467018.658	742791.079	184+11.80	29.50' RT
137	466998.430	742765.636	183+79.29	29.50' RT
138	466986.207	742777.581	183+81.04	46.50' RT
141	466944.271	742734.670	183+21.35	52.62' RT

LINE TABLE

LINE #	DIRECTION	LENGTH
112-113	N82° 05' 30"E	14.28'
114-116	N55° 03' 30"E	28.86'
127-128	S55° 03' 30"W	28.86'
129-131	S82° 05' 30"W	14.28'
132-133	S67° 18' 50"W	35.16'
136-137	S51° 30' 54"W	32.50'
137-138	S44° 20' 30"E	17.09'
138-141	S45° 39' 30"W	60.00'
141-142	N44° 20' 30"W	23.25'
142-143	S51° 30' 54"W	46.12'

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
111-112	10.89'	112.50'	5°32'40"	10.88'	N79° 19' 10"E
113-114	41.28'	87.50'	27°02'00"	40.90'	N68° 34' 30"E
116-117	91.25'	487.50'	10°43'30"	91.12'	N49° 41' 45"E
126-127	95.00'	507.50'	10°43'30"	94.86'	S49° 41' 45"W
128-129	50.72'	107.50'	27°02'00"	50.25'	S68° 34' 30"W
131-132	23.86'	92.50'	14°46'40"	23.79'	S74° 42' 10"W
134-136	97.86'	1029.50'	5°26'47"	97.82'	S48° 47' 31"W
143-144	55.71'	970.50'	3°17'21"	55.71'	S49° 52' 13"W

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON VILLAGE OF BIRON PLAT AND CSM 9855 ON FILE AT WOOD COUNTY.
EXISTING RIGHT-OF-WAY OF ELK STREET IS BASED ON VILLAGE OF BIRON PLAT.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 25 50

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.13

PS&E SHEET 186

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.13

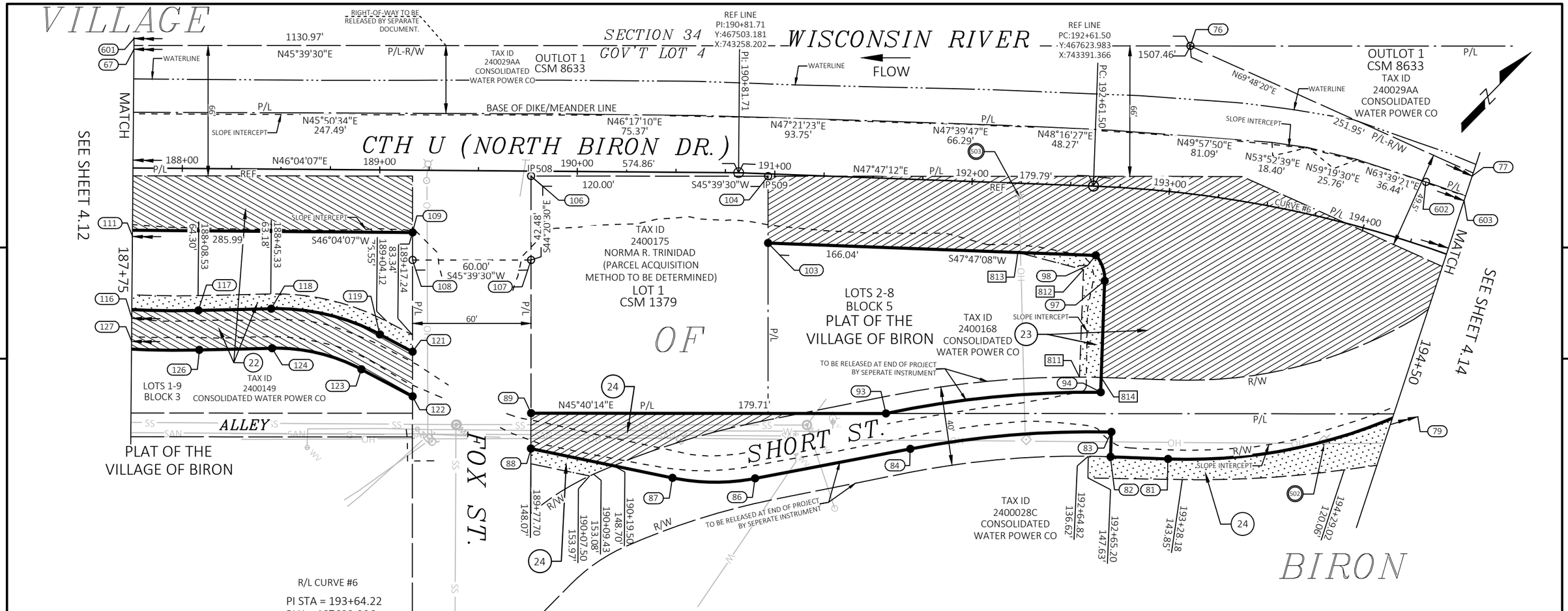
PLOT DATE : 10/8/2025 10:26 AM

PLOT BY : ETHAN KARLS

PLOT NAME :

PLOT SCALE :

WISDOT/CADDS SHEET 75



MEANDER LINE TABLE		
LINE #	DIRECTION	LENGTH
602-603	N64° 32' 33"E	71.86'

TLE POINT TABLE		
POINT	STA	OFFSET
811	192+58.09	96.79' RT
812	192+58.06	42.42' RT
813	192+24.55	35.00' RT
814	192+70.52	96.48' RT

LINE TABLE		
LINE #	DIRECTION	LENGTH
75-79	S37° 13' 23"W	51.02'
81-82	S47° 47' 41"W	29.11'
82-83	N42° 12' 19"W	12.58'
84-86	S34° 50' 30"W	79.96'
87-88	S57° 16' 22"W	73.16'
88-89	N44° 20' 30"W	17.96'
94-97	N42° 22' 38"W	56.34'

LINE TABLE		
LINE #	DIRECTION	LENGTH
103-104	N44° 20' 30"W	33.82'
108-109	N44° 20' 30"W	13.93'
117-118	N44° 20' 00"E	36.82'
119-121	N73° 25' 46"E	18.72'
121-122	S44° 20' 30"E	22.60'
122-123	S73° 25' 46"W	29.26'
124-126	S44° 20' 00"W	36.82'

POINT TABLE				
POINT	Y	X	STA	OFFSET
81	467551.698	743514.843	193+16.86	134.52' RT
82	467532.141	743493.279	192+79.33	136.29' RT
83	467541.463	743484.824	192+78.86	123.71' RT
84	467464.060	743418.012	191+73.79	136.35' RT
86	467398.435	743372.330	190+95.86	154.26' RT
87	467369.416	743342.220	190+49.41	154.62' RT
88	467329.865	743280.676	189+77.65	140.41' RT
89	467342.709	743268.124	189+77.52	122.45' RT
93	467468.287	743396.676	191+60.82	118.88' RT
94	467552.016	743466.900	192+70.69	104.00' RT
97	467593.632	743428.929	192+69.57	47.67' RT
98	467599.737	743416.730	192+64.15	34.99' RT
103	467488.172	743293.754	190+97.96	35.00' RT
104	467512.358	743270.118	190+96.70	1.21' RT

POINT TABLE				
POINT	Y	X	STA	OFFSET
106	467428.485	743184.296	189+76.66	2.52' RT
107	467398.102	743213.989	189+76.97	45.00' RT
108	467356.166	743171.078	189+16.97	45.43' RT
109	467366.129	743161.342	189+16.87	31.50' RT
116	467203.160	743041.948	187+17.82	66.03' RT
117	467262.101	743111.438	188+08.75	71.80' RT
118	467288.439	743137.170	188+45.56	70.68' RT
119	467317.648	743185.556	189+00.67	83.21' RT
121	467322.988	743203.502	189+17.30	91.82' RT
122	467306.822	743219.301	189+17.46	114.42' RT
123	467298.479	743191.259	188+91.48	100.98' RT
124	467274.462	743151.476	188+46.16	90.67' RT
126	467248.124	743125.744	188+09.36	91.79' RT
127	467186.765	743053.403	187+14.69	85.78' RT

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
508	467428.314	743184.238	2" IRON PIPE
509	467512.332	743270.092	1" IRON PIPE

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
C8	122.00'	268.01'	26°04'56"	120.95'	S34° 45' 13"W
C9	102.43'	492.50'	11°55'01"	102.25'	S40° 48' 01"W
C10	42.09'	107.50'	22°25'52"	41.82'	S46° 03' 26"W
C11	109.49'	512.50'	12°14'25"	109.28'	N39° 59' 13"E
C12	13.95'	19.00'	42°04'31"	13.64'	N63° 24' 53"W
C15	91.25'	487.50'	10°43'30"	91.12'	N49° 41' 45"E
C16	57.13'	112.50'	29°05'46"	56.52'	N58° 52' 53"E
C17	46.97'	92.50'	29°05'46"	46.47'	S58° 52' 53"W
C18	95.00'	507.50'	10°43'30"	94.86'	S49° 41' 45"W

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON VILLAGE OF BIRON PLAT AND CSM'S 8633 & 1379 ON FILE AT WOOD COUNTY.

EXISTING RIGHT-OF-WAY OF FOX STREET IS BASED ON VILLAGE OF BIRON PLAT.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET 0 25 50

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.14

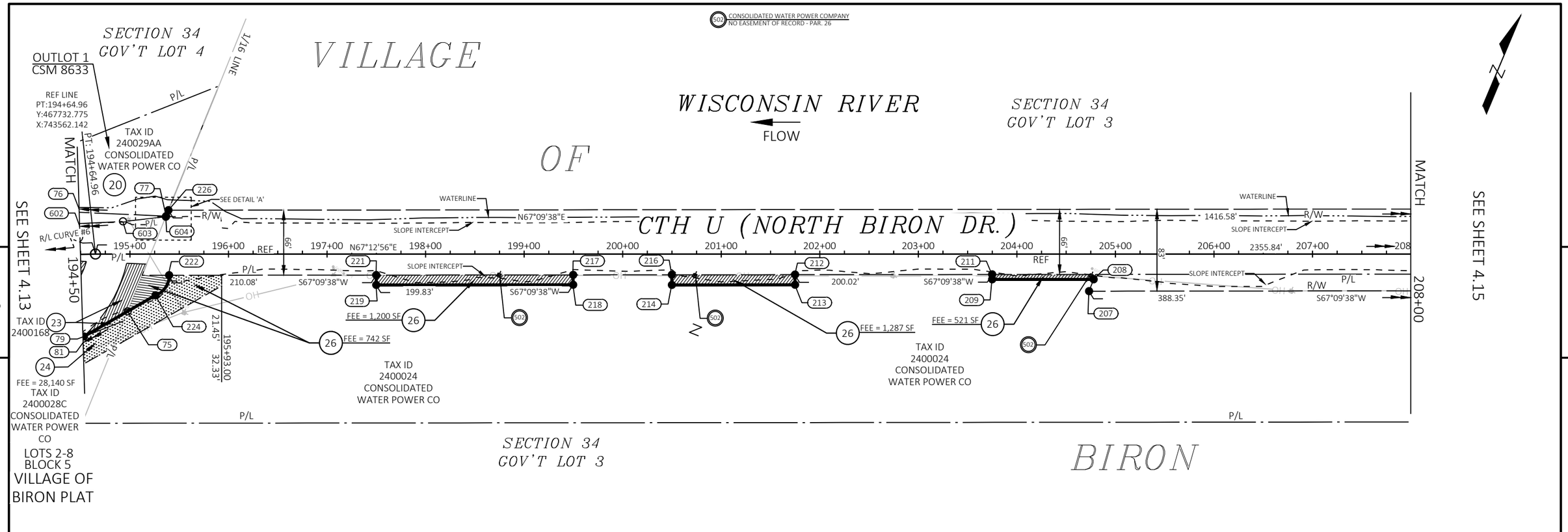
PS&E SHEET 187

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.14

PLOT DATE : 10/8/2025 10:26 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #6
PI STA = 193+64.22
PI Y = 467692.996
PI X = 743467.442
PT STA = 194+64.96
PT Y = 467732.775
PT X = 743562.142
DELTA = 19°25'44"
D = 9°32'57"
T = 102.72
L = 203.46
R = 600.00
PC STA = 192+61.50
PC Y = 467623.983
PC X = 743391.366

LINE TABLE		
LINE #	DIRECTION	LENGTH
76-77	N69° 48' 20"E	251.95'
77-75	S00° 43' 17"E	104.26'
75-79	S37° 13' 23"W	51.02'
207-208	N01° 24' 33"W	12.88'
208-209	S67° 09' 38"W	103.05'
209-211	N22° 50' 22"W	5.01'
212-213	S22° 47' 04"E	10.30'
213-214	S67° 09' 38"W	125.00'

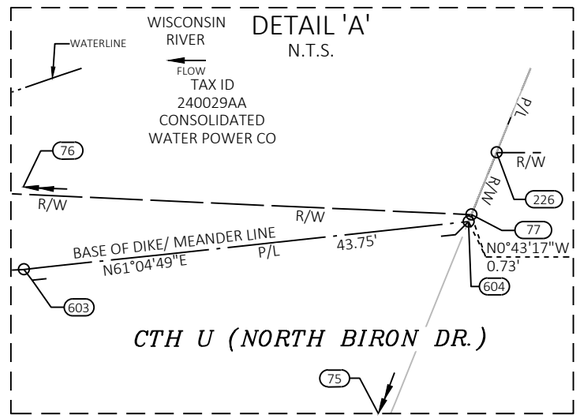
MEANDER LINE TABLE		
LINE #	DIRECTION	LENGTH
602-603	N64° 32' 33"E	71.86'
603-604	N61° 04' 49"E	43.75'
604-77	N00° 43' 17"W	0.73'

LINE TABLE		
LINE #	DIRECTION	LENGTH
214-216	N22° 47' 04"W	10.30'
216-217	S67° 09' 38"W	100.17'
217-218	S22° 47' 04"E	10.01'
219-221	N22° 47' 04"W	10.01'
224-75	S37° 13' 23"W	32.88'
77-226	N00° 43' 17"W	6.55'
75-77	N00° 43' 17"W	109.96'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
222-224	26.11'	21.19'	70°36'48"	24.49'	S11° 23' 37"W

POINT TABLE				
POINT	Y	X	STA	OFFSET
75	467691.703	743614.656	194+97.47	58.20' RT
77	467795.955	743613.344	195+36.64	38.42' LT
207	468088.547	744506.247	204+73.18	37.61' RT
208	468101.426	744505.931	204+77.87	25.61' RT
209	468061.426	744410.957	203+74.82	25.71' RT
211	468066.041	744409.014	203+74.81	20.70' RT
212	467988.396	744224.678	201+74.79	20.90' RT
213	467978.911	744228.662	201+74.79	31.19' RT
214	467930.392	744113.463	200+49.79	31.31' RT

POINT TABLE				
POINT	Y	X	STA	OFFSET
216	467939.884	744109.476	200+49.79	21.01' RT
217	467901.004	744017.161	199+49.62	21.11' RT
218	467891.777	744021.037	199+49.62	31.12' RT
219	467814.212	743836.872	197+49.79	31.31' RT
221	467823.439	743832.997	197+49.79	21.30' RT
222	467741.895	743639.385	195+39.71	21.50' RT
224	467717.886	743634.547	195+25.95	41.77' RT
226	467802.507	743613.261	195+39.10	44.50' LT



EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON VILLAGE OF BIRON PLAT, CSM 8633 ON FILE AT WOOD COUNTY, AND RW PLAT DATED 12-2-1991.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 50 100

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.15

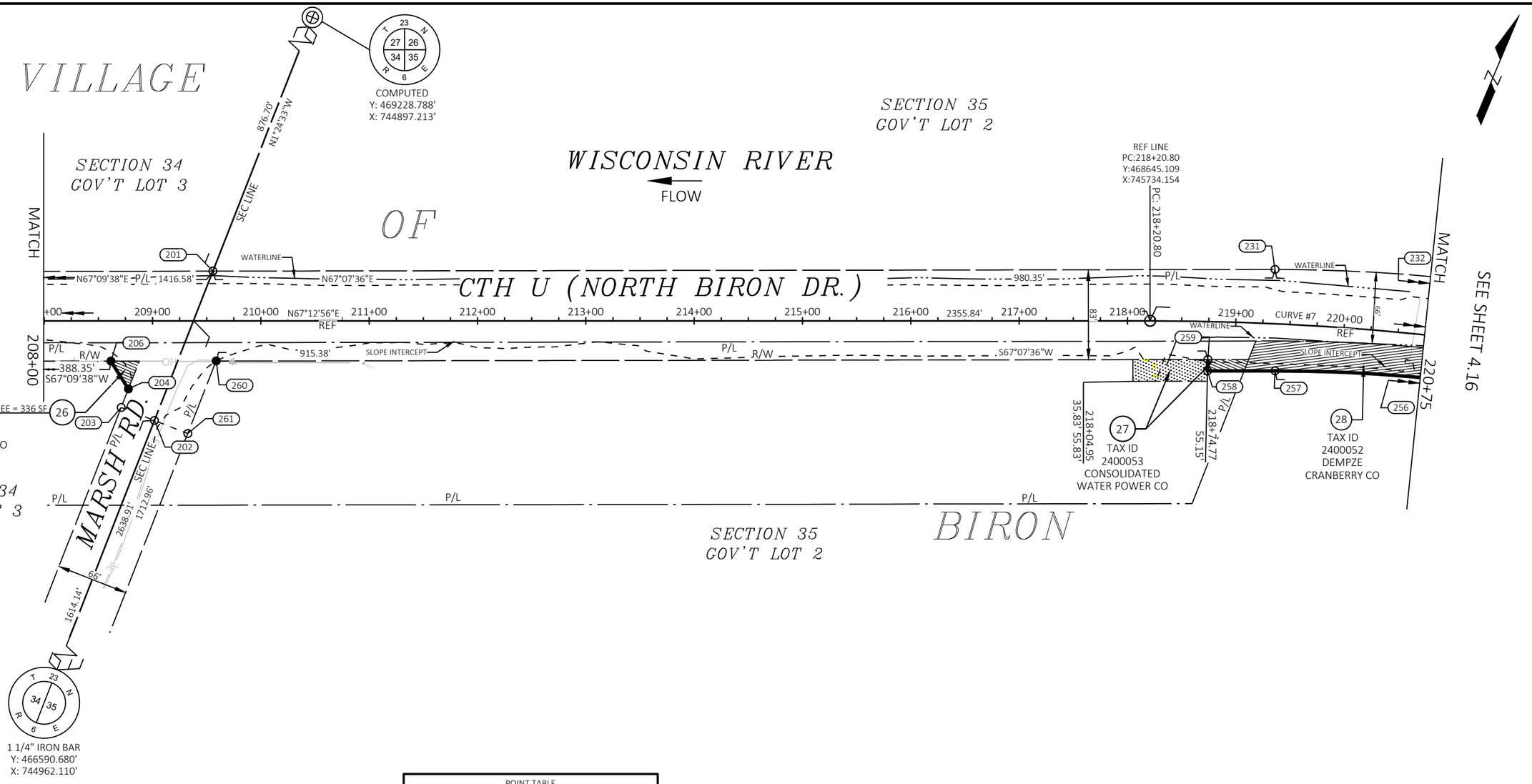
PS&E SHEET

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.15

PLOT DATE : 10/8/2025 10:27 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #7
PI STA = 220+89.62
PI Y = 468749.213
PI X = 745981.998
PT STA = 223+56.39
PT Y = 468798.247
PT X = 746246.309
DELTA = 12°16'29"
D = 2°17'31"
T = 268.82
L = 535.58
R = 2500.00
PC STA = 218+20.80
PC Y = 468645.108
PC X = 745734.154

POINT TABLE				
POINT	Y	X	STA	OFFSET
201	468352.353	744918.773	209+55.67	45.86' LT
202	468204.327	744922.414	209+01.71	92.03' RT
203	468203.515	744889.424	208+70.98	80.00' RT
204	468221.892	744888.972	208+77.68	62.88' RT
206	468239.287	744864.153	208+61.53	37.23' RT
231	468733.410	745822.040	219+33.81	49.98' LT
257	468647.170	745858.383	219+38.22	43.50' RT
258	468622.967	745800.917	218+74.77	45.70' RT
259	468632.780	745797.041	218+74.77	35.15' RT
260	468276.977	744953.637	209+58.63	37.14' RT
261	468205.139	744955.404	209+32.44	104.06' RT

LINE TABLE		
LINE #	DIRECTION	LENGTH
201-202	S01° 24' 33"E	148.07'
202-203	S88° 35' 27"W	33.00'
203-204	N01° 24' 33"W	18.38'
204-206	N54° 58' 24"W	30.31'
257-258	S67° 09' 38"W	62.35'
258-259	N21° 32' 58"W	10.55'
260-261	S01° 24' 33"E	71.86'
261-202	S88° 35' 27"W	33.00'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
231-232	329.56'	1552.31'	12°09'50"	328.94'	N73° 12' 31"E
256-257	309.81'	1459.31'	12°09'50"	309.23'	S73° 14' 33"W

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON RW PLAT FOR CTH U DATED 12-2-1991 AND EASEMENT RECORDED AS DOC. 724179.

EXISTING RIGHT-OF-WAY OF MARSH ROAD IS BASED ON RW PLAT FOR CTH U DATED 12-2-1991.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 50 100

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.16

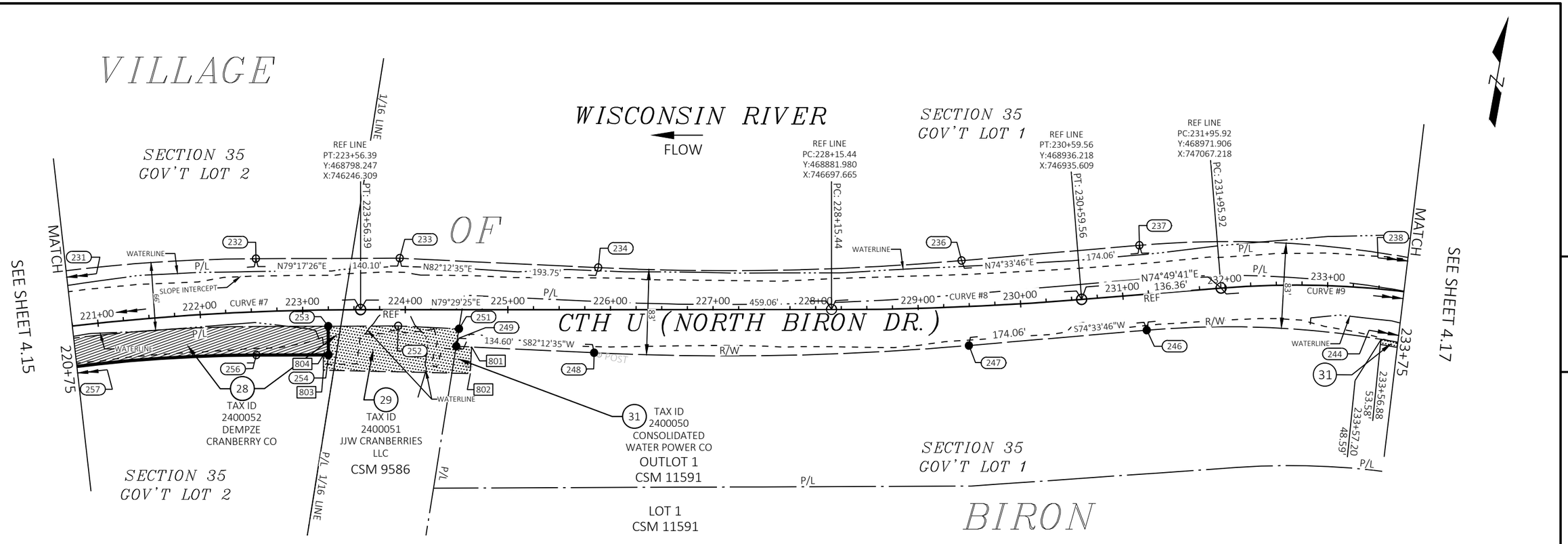
PS&E SHEET 189

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.16

PLOT DATE : 10/8/2025 10:28 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #7
PI STA = 220+89.62
PI Y = 468749.213
PI X = 745981.998
PT STA = 223+56.39
PT Y = 468798.247
PT X = 746246.309
DELTA = 12°16'29"
D = 2°17'31"
T = 268.82
L = 535.58
R = 2500.00
PC STA = 218+20.80
PC Y = 468645.108
PC X = 745734.154

R/L CURVE #8
PI STA = 229+37.57
PI Y = 468904.256
PI X = 746817.741
PT STA = 230+59.56
PT Y = 468936.218
PT X = 746935.609
DELTA = 4°39'44"
D = 1°54'35"
T = 122.12
L = 244.11
R = 3000.00
PC STA = 228+15.44
PC Y = 468881.980
PC X = 746697.665

R/L CURVE #9
PI STA = 233+58.04
PI Y = 469014.336
PI X = 747223.686
PT STA = 235+16.64
PT Y = 468998.867
PT X = 747385.066
DELTA = 20°38'50"
D = 6°26'16"
T = 162.12
L = 320.72
R = 890.00
PC STA = 231+95.92
PC Y = 468971.906
PC X = 747067.218

POINT TABLE				
POINT	Y	X	STA	OFFSET
232	468828.435	746136.952	222+56.41	51.67' LT
233	468854.469	746274.612	223+94.47	50.12' LT
234	468880.731	746466.575	225+88.00	40.92' LT
236	468952.058	746813.633	229+44.22	45.03' LT
237	468998.389	746981.414	231+20.04	48.02' LT
246	468918.384	747003.507	231+20.42	34.98' RT
247	468872.052	746835.726	229+47.75	37.90' RT

POINT TABLE				
POINT	Y	X	STA	OFFSET
248	468798.497	746477.825	225+84.06	41.98' RT
249	468780.253	746344.467	224+49.62	35.60' RT
251	468797.353	746344.040	224+52.31	18.71' RT
252	468789.306	746285.225	223+93.02	15.89' RT
253	468776.628	746218.187	223+24.59	15.93' RT
254	468749.358	746223.604	223+24.59	43.73' RT
256	468736.328	746154.481	222+53.04	42.03' RT

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
231-232	329.56'	1552.31'	12°09'50"	328.94'	N73° 12' 31"E
234-236	354.57'	2656.70'	7°38'49"	354.31'	N78° 23' 11"E
237-238	303.42'	1003.28'	17°19'41"	302.27'	N83° 13' 37"E
244-246	278.32'	920.28'	17°19'41"	277.26'	S83° 13' 37"W
247-248	365.65'	2739.70'	7°38'49"	365.38'	S78° 23' 11"W
256-257	309.81'	1459.31'	12°09'50"	309.23'	S73° 14' 33"W

TLE POINT TABLE		
POINT	STA	OFFSET
801	224+64.62	36.31' RT
802	224+63.38	62.16' RT
803	223+19.32	58.67' RT
804	223+19.50	43.67' RT

LINE TABLE		
LINE #	DIRECTION	LENGTH
249-251	N01° 25' 57"W	17.11'
251-252	S82° 12' 35"W	59.36'
252-253	S79° 17' 26"W	68.23'
253-254	S11° 14' 11"E	27.80'
254-256	S79° 19' 28"W	70.34'

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON RW PLAT FOR CTH U DATED 12-2-1991 AND EASEMENT RECORDED AS DOC. 724179.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 50 100

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.17

PS&E SHEET 190

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.17

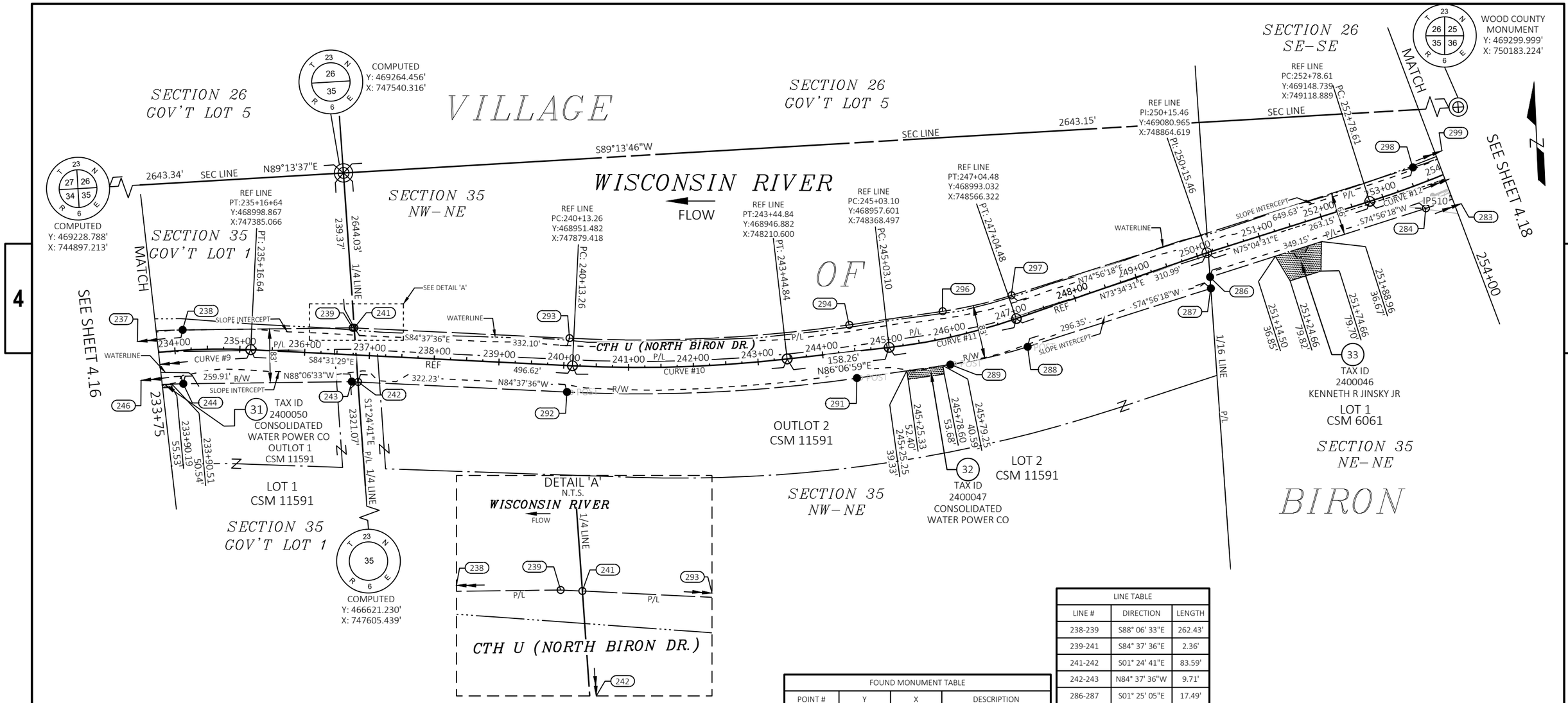
PLOT DATE : 10/8/2025 2:28 PM

PLOT BY : ETHAN KARLS

PLOT NAME :

PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #9
PI STA = 233+58.04
PI Y = 469014.336
PI X = 747223.686
PT STA = 235+16.64
PT Y = 468998.867
PT X = 747385.066
DELTA = 20°38'50"
D = 6°26'16"
T = 162.12
L = 320.72
R = 890.00
PC STA = 231+95.92
PC Y = 468971.906
PC X = 747067.218

R/L CURVE #10
PI STA = 241+79.42
PI Y = 468935.628
PI X = 748044.821
PT STA = 243+44.84
PT Y = 468946.882
PT X = 748210.600
DELTA = 9°21'31"
D = 2°49'21"
T = 166.16
L = 331.58
R = 2030.00
PC STA = 240+13.26
PC Y = 468951.482
PC X = 747879.418

R/L CURVE #11
PI STA = 246+04.19
PI Y = 468964.447
PI X = 748469.356
PT STA = 247+04.48
PT Y = 468993.031
PT X = 748566.322
DELTA = 12°32'28"
D = 6°13'40"
T = 101.09
L = 201.37
R = 920.00
PC STA = 245+03.10
PC Y = 468957.601
PC X = 748368.496

R/L CURVE #12
PI STA = 255+71.88
PI Y = 469224.271
PI X = 749402.265
PT STA = 258+56.79
PT Y = 469407.184
PT X = 749631.503
DELTA = 23°39'44"
D = 4°05'33"
T = 293.27
L = 578.18
R = 1400.00
PC STA = 252+78.61
PC Y = 469148.739
PC X = 749118.889

POINT TABLE				
POINT	Y	X	STA	OFFSET
238	469034.038	747281.573	234+13.65	31.30' LT
239	469025.378	747543.863	236+72.19	41.54' LT
241	469025.157	747546.212	236+74.54	41.55' LT
242	468941.597	747548.271	236+84.57	41.44' RT
243	468942.507	747538.602	236+74.86	41.45' RT
244	468951.083	747278.834	234+08.97	51.57' RT
284	469134.116	749204.839	253+55.82	38.45' RT
286	469043.386	748867.683	250+07.78	36.91' RT
287	469025.898	748868.115	250+03.25	53.81' RT

POINT TABLE				
POINT	Y	X	STA	OFFSET
288	468948.888	748581.945	247+06.98	46.76' RT
289	468926.882	748461.572	245+90.12	41.25' RT
291	468912.534	748316.748	244+48.42	41.46' RT
292	468911.421	747869.084	240+06.80	40.86' RT
293	468994.057	747876.856	240+06.65	42.14' LT
294	468995.129	748308.564	244+45.85	41.50' LT
296	469009.478	748453.388	245+95.64	41.57' RT
297	469029.037	748560.377	247+08.96	36.22' LT
298	469197.849	749187.688	253+59.37	27.45' LT

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
510	469134.116	749204.839	1" IRON PIPE

LINE TABLE		
LINE #	DIRECTION	LENGTH
238-239	S88° 06' 33"E	262.43'
239-241	S84° 37' 36"E	2.36'
241-242	S01° 24' 41"E	83.59'
242-243	N84° 37' 36"W	9.71'
286-287	S01° 25' 05"E	17.49'
289-291	S84° 20' 30"W	145.53'
294-296	N84° 20' 30"E	145.53'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
237-238	303.42'	1003.28'	17°19'41"	302.27'	N83° 13' 37"E
244-246	278.32'	920.28'	17°19'41"	277.26'	S83° 13' 37"W
283-284	154.35'	645.98'	13°41'24"	153.98'	S68° 05' 36"W
288-289	122.51'	746.43'	9°24'13"	122.37'	S79° 38' 24"W
291-292	448.36'	2328.66'	11°01'54"	447.67'	S89° 51' 27"W
293-294	432.38'	2245.66'	11°01'54"	431.71'	N89° 51' 27"E
296-297	108.88'	663.43'	9°24'13"	108.76'	N79° 38' 24"E
298-299	138.58'	579.98'	13°41'24"	138.25'	N68° 05' 36"E

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON RW PLAT FOR CTH U DATED 12-2-1991, EASEMENT RECORDED AS DOC. 724179 AND CSM 6061 ON FILE AT WOOD COUNTY.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 75 150

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.18

PS&E SHEET 191

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.18

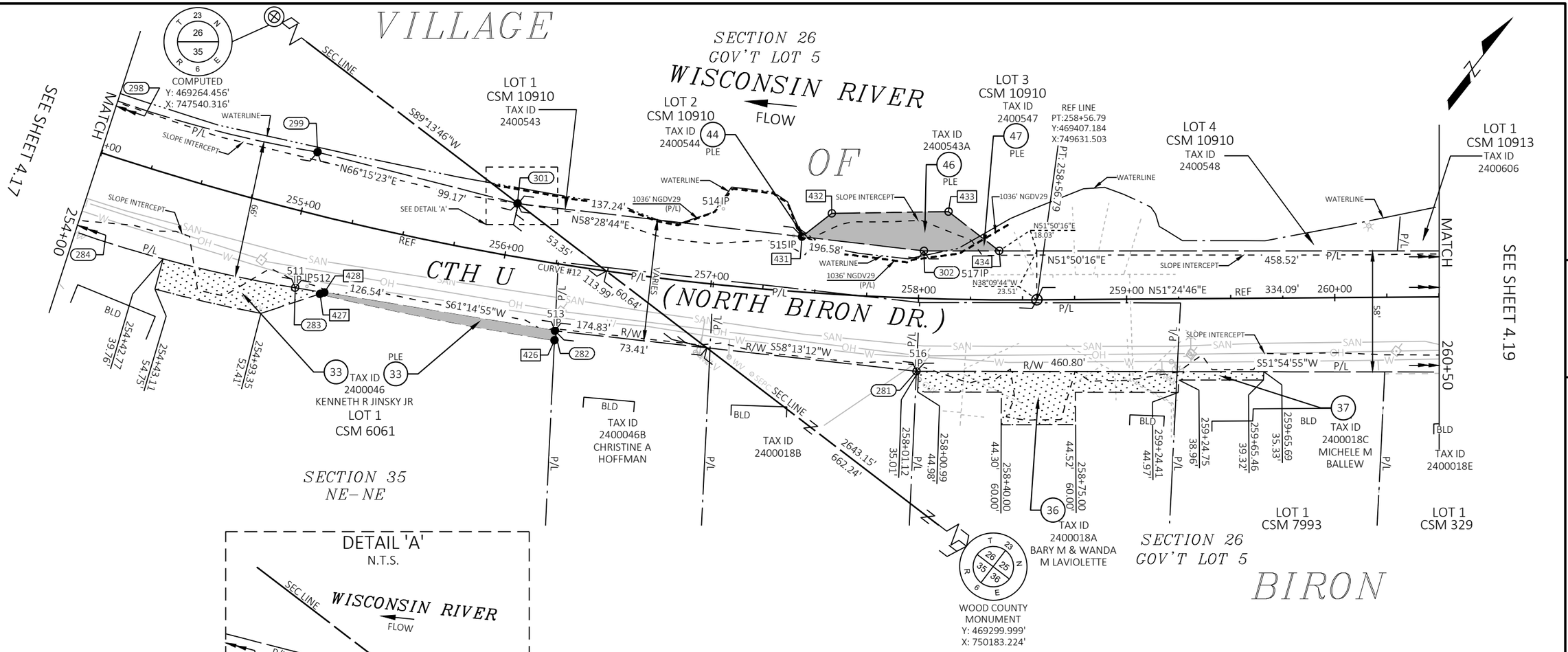
PLOT DATE : 10/8/2025 10:30 AM

PLOT BY : ETHAN KARLS

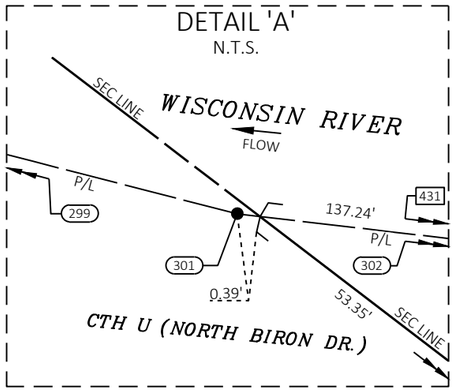
PLOT NAME :

PLOT SCALE :

WISDOT/CADDS SHEET 75



DETAIL 'A'
N.T.S.



R/L CURVE #12
PI STA = 255+71.88
PI Y = 469224.271
PI X = 749402.265
PT STA = 258+56.79
PT Y = 469407.184
PT X = 749631.503
DELTA = 23°39'44"
D = 4°05'33"
T = 293.27
L = 578.18
R = 1400.00
PC STA = 252+78.61
PC Y = 469148.739
PC X = 749118.889

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
511	469191.646	749347.901	1" IRON PIPE
512	469195.558	749351.756	NAIL WITH RIBBON
513	469252.596	749458.851	1" IRON PIPE
514	469348.438	749486.133	1" IRON PIPE
515	469359.160	749520.692	1" IRON PIPE
516	469344.506	749607.255	1" IRON PIPE
517	469402.028	749608.829	NAIL WITH RIBBON

PLE CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
426-427	114.88'	1436.50'	4°34'55"	114.85'	S62° 59' 37"W

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
283-284	154.35'	645.98'	13°41'24"	153.98'	S68° 05' 36"W
298-299	138.58'	579.98'	13°41'24"	138.25'	N68° 05' 36"E

POINT TABLE				
POINT	Y	X	STA	OFFSET
281	469344.506	749607.255	258+00.15	35.04' RT
282	469252.432	749458.640	256+29.33	32.01' RT
283	469191.565	749347.701	255+05.85	36.43' RT
299	469249.428	749315.954	255+00.52	29.36' LT
301	469289.359	749406.731	256+01.61	25.32' LT
302	469392.134	749574.304	258+01.78	22.85' LT

PLE POINT TABLE				
POINT	Y	X	STA	OFFSET
426	469248.750	749461.258	256+29.80	36.50' RT
427	469196.598	749358.933	255+17.84	36.50' RT
428	469198.376	749360.115	255+19.61	35.38' RT
431	469361.311	749524.047	257+41.88	26.54' LT
432	469378.930	749528.391	257+55.69	38.68' LT
433	469414.274	749571.970	258+13.37	42.02' LT
434	469414.526	749602.797	258+38.63	23.53' LT

PLE LINE TABLE		
LINE #	DIRECTION	LENGTH
282-426	S35° 24' 43"E	4.52'
427-428	N33° 35' 56"E	2.14'
428-282	N61° 14' 55"E	112.38'
431-432	N13° 51' 03"E	18.15'
432-433	N50° 57' 25"E	56.11'
433-434	S89° 31' 54"W	30.83'
434-302	S51° 50' 16"W	36.24'
302-431	S58° 28' 44"W	58.96'

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON RW PLAT FOR CTH U DATED 12-2-1991 AND CSM'S 329, 7993, 6061, 10910 & 10913 ON FILE AT WOOD COUNTY.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024
GRID FACTOR

SCALE, FEET
0 25 50

HWY: CTH U
COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03
CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.19
PS&E SHEET 192

E

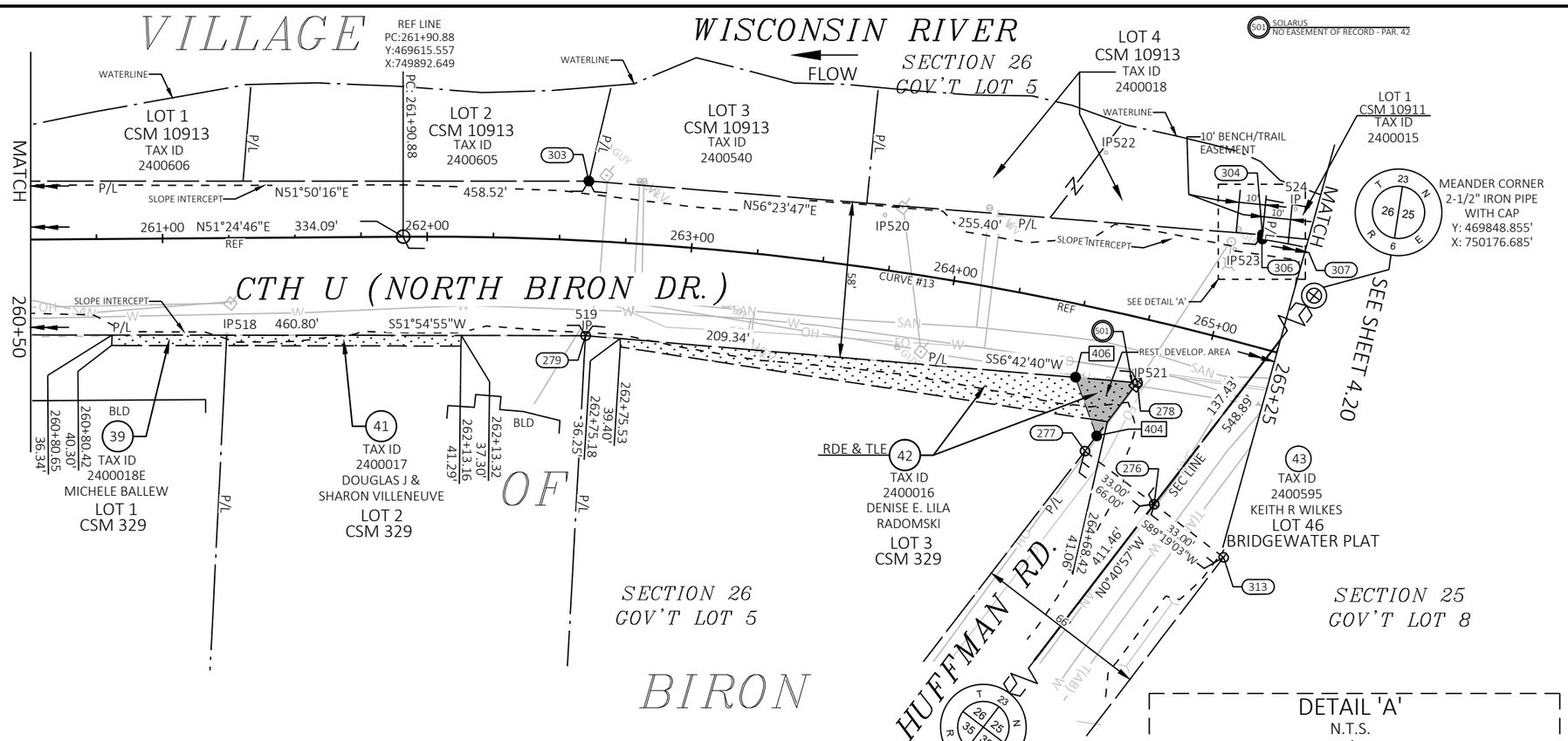
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LAYOUT NAME - RWPLAT 4.19

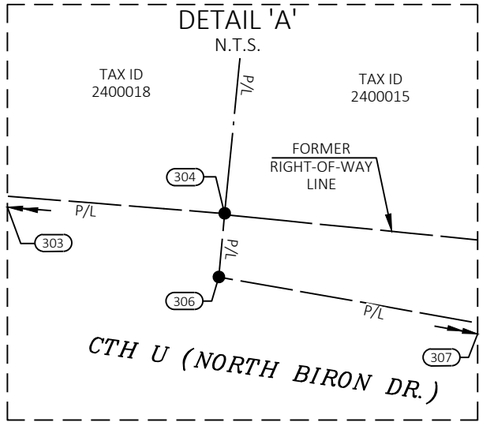
PLOT DATE : 10/8/2025 10:31 AM
PLOT BY : ETHAN KARLS
PLOT NAME :
PLOT SCALE :

WISDOT/CADDS SHEET 75

SEE SHEET 4.18

SEE SHEET 4.20





R/L CURVE #13
PI STA = 265+02.57
PI Y = 469809.956
PI X = 750136.281
PT STA = 268+00.78
PT Y = 469861.221
PT X = 750443.721
DELTA = 29°07'13"
D = 4°46'29"
T = 311.69
L = 609.89
R = 1200.00
PC STA = 261+90.88
PC Y = 469615.557
PC X = 749892.649

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
518	469545.152	749863.240	1" IRON PIPE
519	469628.736	749969.947	1" IRON PIPE (LEANING)
520	469734.498	750030.723	1" IRON PIPE
521	469743.730	750145.083	1" IRON REBAR (LEANING)
522	469804.584	750081.824	1" IRON PIPE
523	469805.964	750142.656	3/4" IRON REBAR
524	469832.067	750151.435	1" IRON PIPE (LEANING)

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
306-307	176.29'	533.00'	18°57'03"	175.49'	N71° 01' 11"E

LINE TABLE		
LINE #	DIRECTION	LENGTH
277-278	N00° 40' 57"W	32.60'
304-306	S32° 56' 50"E	1.64'
312-313	S00° 40' 57"E	60.79'

RESTRICTED DEVELOPMENT EASEMENT POINT TABLE				
POINT	Y	X	STA	OFFSET
404	469718.290	750145.238	264+65.49	47.18' RT
406	469730.703	750125.244	264+52.48	27.31' RT

RESTRICTED DEVELOPMENT EASEMENT LINE TABLE		
LINE #	DIRECTION	LENGTH
278-404	S00° 40' 57"E	25.35'
404-406	N58° 10' 02"W	23.53'
406-278	N56° 42' 40"E	23.56'
277-404	N00° 40' 57"W	7.25'

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON CSM'S 329 & 10913 ON FILE AT WOOD COUNTY.
EXISTING RIGHT-OF-WAY OF HUFFMAN RD. IS BASED ON CSM'S 329 & 2776 ON FILE AT WOOD COUNTY AND BRIDGEWATER PLAT.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025-NC
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET 0 25 50

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.20

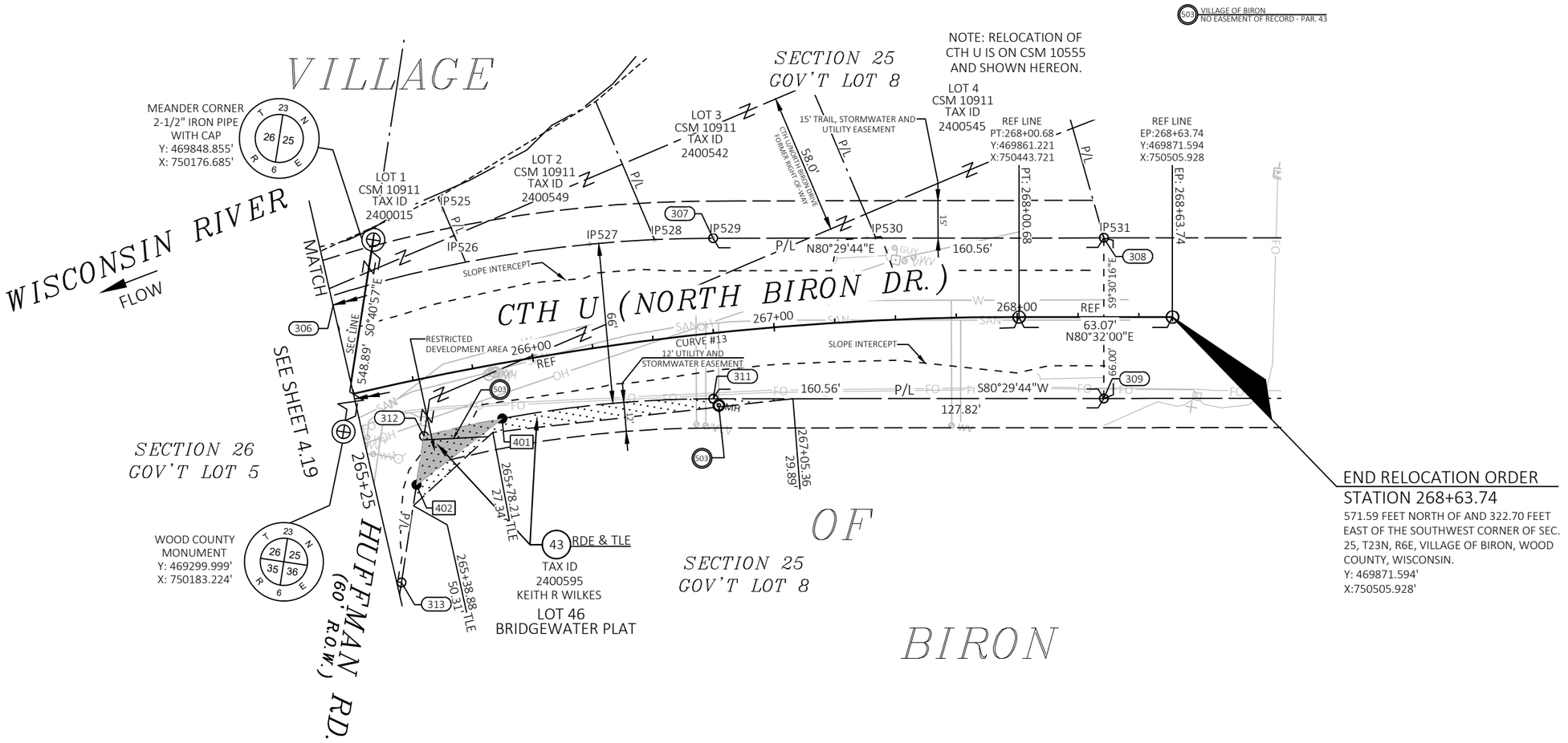
PS&E SHEET 193

E

FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.20

PLOT DATE : 10/8/2025 10:32 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



R/L CURVE #13
PI STA = 265+02.57
PI Y = 469809.956
PI X = 750136.281
PT STA = 268+00.78
PT Y = 469861.221
PT X = 750443.721
DELTA = 29°07'13"
D = 4°46'29"
T = 311.69
L = 609.89
R = 1200.00
PC STA = 261+90.88
PC Y = 469615.557
PC X = 749892.649

FOUND MONUMENT TABLE			
POINT #	Y	X	DESCRIPTION
525	469865.478	750203.089	1" IRON PIPE
526	469855.760	750209.332	3/4" IRON REBAR
527	469861.724	750264.785	3/4" IRON REBAR
528	469867.846	750290.759	1" IRON PIPE
529	469872.584	750314.423	MAG NAIL
530	469883.693	750380.012	1" IRON PIPE
531	469899.227	750472.248	MAG NAIL

LINE TABLE		
LINE #	DIRECTION	LENGTH
312-313	S00° 40' 57"E	60.79'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING
306-307	176.29'	533.00'	18°57'03"	175.49'	N71° 01' 11"E
311-312	120.18'	467.00'	14°44'42"	119.85'	S73° 07' 22"W
401-312	32.99'	467.00'	4°02'49"	32.98'	S67° 46' 26"W

POINT TABLE				
POINT	Y	X	STA	OFFSET
307	469872.498	750314.385	266+78.78	38.79' LT
308	469899.011	750472.741	268+35.62	32.50' LT
309	469833.917	750483.639	268+35.66	33.50' RT
311	469807.404	750325.284	266+71.98	26.85' RT
312	469772.609	750210.596	265+49.56	23.37' RT
313	469711.823	750211.320	265+26.46	80.00' RT

RESTRICTED DEVELOPMENT EASEMENT LINE TABLE		
LINE #	DIRECTION	LENGTH
313-403	N00° 40' 57"W	31.93'
312-402	S00° 40' 57"E	20.23'
402-401	N42° 48' 21"E	44.57'

RESTRICTED DEVELOPMENT EASEMENT POINT TABLE				
POINT	Y	X	STA	OFFSET
401	469785.084	750241.125	265+83.17	22.47' RT
402	469752.383	750210.837	265+42.13	42.26' RT

EXISTING RIGHT-OF-WAY OF CTH U IS BASED ON CSM 10555 ON FILE AT WOOD COUNTY.

EXISTING RIGHT-OF-WAY OF HUFFMAN RD. IS BASED ON CSM 2776 ON FILE AT WOOD COUNTY AND BRIDGEWATER PLAT.

TLE NOTE: ALL TEMPORARY LIMITED EASEMENTS ON THIS RIGHT-OF-WAY PLAT ARE FOR SLOPING AND CONSTRUCTION PURPOSES

REVISION DATE
05-23-2025
10-08-2025-NC

DATE 11-04-2024

GRID FACTOR

SCALE, FEET
0 25 50

HWY: CTH U

COUNTY: WOOD

STATE R/W PROJECT NUMBER 6934-06-03

CONSTRUCTION PROJECT NUMBER 6934-06-73

PLAT SHEET 4.21

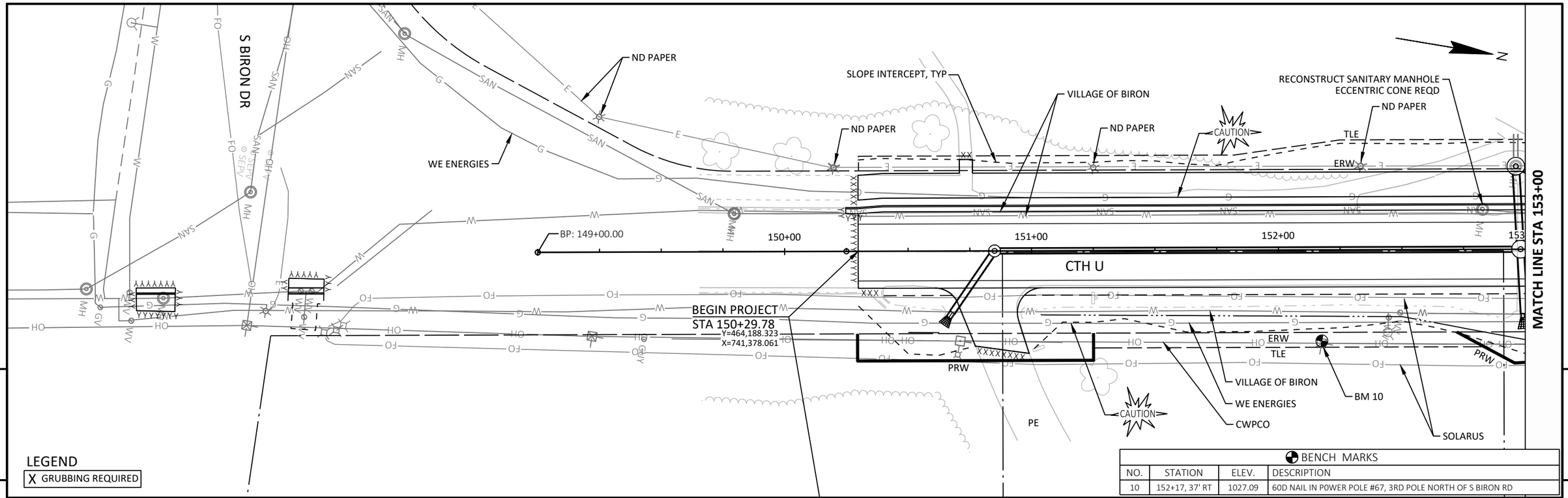
PS&E SHEET 194

E

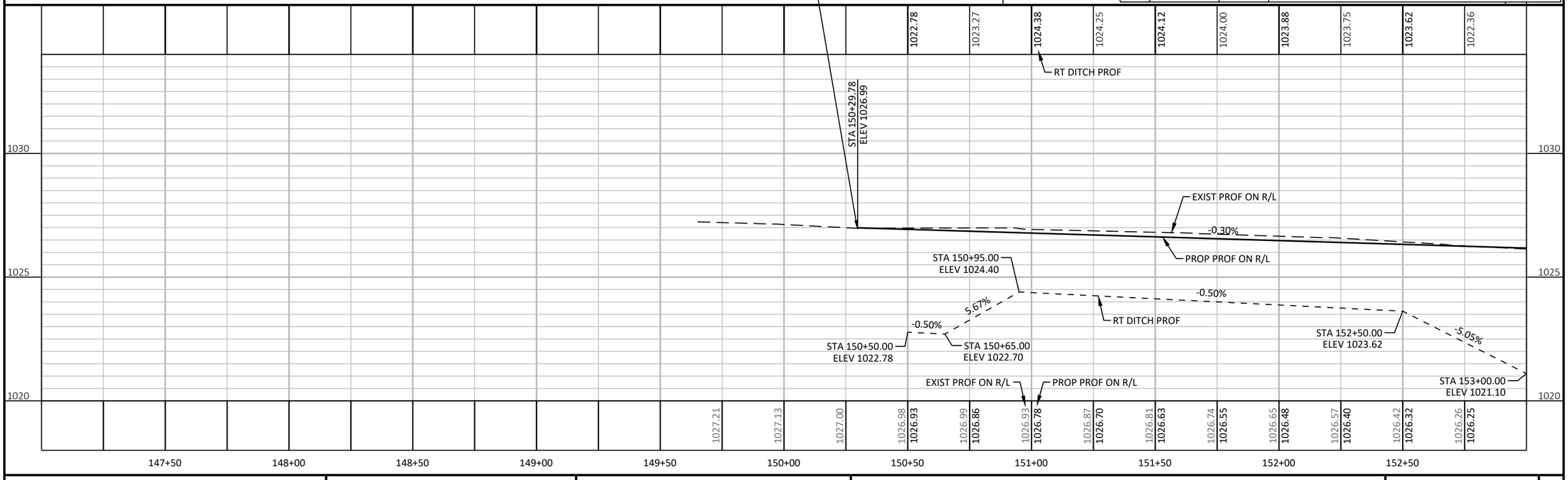
FILE NAME : 6934-06-03 - RW PLAT.DWG
LAYOUT NAME - RWPLAT 4.21

PLOT DATE : 10/8/2025 10:32 AM PLOT BY : ETHAN KARLS PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
10	152+17, 37' RT	1027.09	60D NAIL IN POWER POLE #67, 3RD POLE NORTH OF S BIRON RD



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 195 E

EXIST ASPHALT TRAIL
WOOD COUNTY WILL REMOVE AT TLE LIMITS AND COORDINATE WITH ND PAPER FOR REMOVAL OF REST OF TRAIL

SLOPE INTERCEPT, TYP

VILLAGE OF BIRON

ND PAPER

TLE

ERW

PRW

PE

CAUTION

CWPCO

WE ENERGIES

VILLAGE OF BIRON

ND PAPER

RECONSTRUCT SANITARY MANHOLE
ECCENTRIC CONE REQD

CWPCO

ND PAPER

CWPCO

CWPCO

CWPCO

MATCH LINE STA 153+00

MATCH LINE STA 159+00

154+00

155+00

156+00

157+00

158+00

159

CTH U

PC: 154+94.86

PT: 157+32.47

TLE

SOLARUS

CAUTION

CWPCO

CWPCO

VILLAGE OF BIRON

WE ENERGIES

VILLAGE OF BIRON

WE ENERGIES

ND PAPER

BM 12

ERW

TLE

CE

N

LEGEND

X GRUBBING REQUIRED

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
12	158+31, 38' RT	1028.06	60D SPIKE IN POWER POLE #71, SE QUADRANT OF VERSO ENTRANCE

1021.79 1021.91 1022.04 1026.38 1026.50 1026.62 1026.75 1026.88 1027.00

RT DITCH PROF

LT DITCH PROF

STA 153+25.00
ELEV 1026.10

STA 156+00.00
ELEV 1026.82

1030

1025

1020

EXIST PROF ON R/L

0.26%

PROP PROF ON R/L

0.53%

0.50%

STA 156+32.00
ELEV 1026.28

LT DITCH PROF

STA 157+75.00
ELEV 1027.00

STA 153+00.00
ELEV 1021.10

2.76%

0.50%

STA 153+25.00
ELEV 1021.79

STA 153+88.00
ELEV 1022.10

EXIST PROF ON R/L

PROP PROF ON R/L

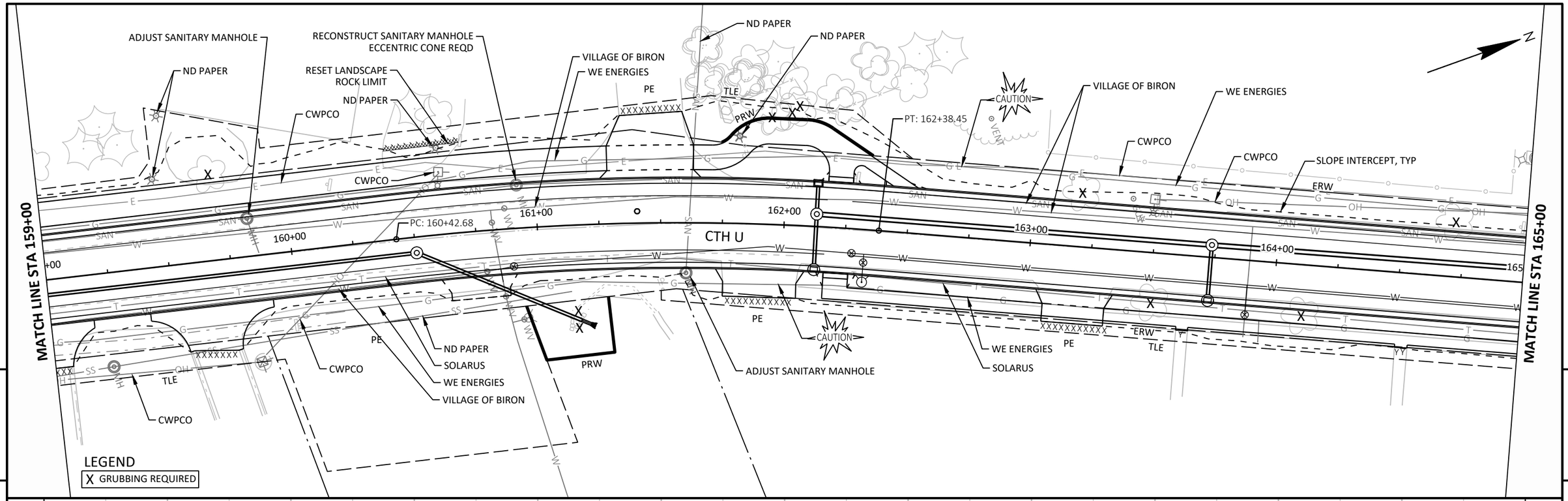
1026.09 1026.10 1026.21 1026.16 1026.33 1026.23 1026.40 1026.29 1026.47 1026.36 1026.53 1026.43 1026.59 1026.49 1026.65 1026.56 1026.73 1026.62 1026.76 1026.69 1026.81 1026.75 1026.84 1026.82 1026.91 1026.95 1027.05 1027.08 1027.26 1027.21 1027.44 1027.35 1027.68 1027.48 1027.90 1027.61 1028.11 1027.74 1028.26 1027.87 1028.42 1028.00 1028.56 1028.14 1028.72 1028.27

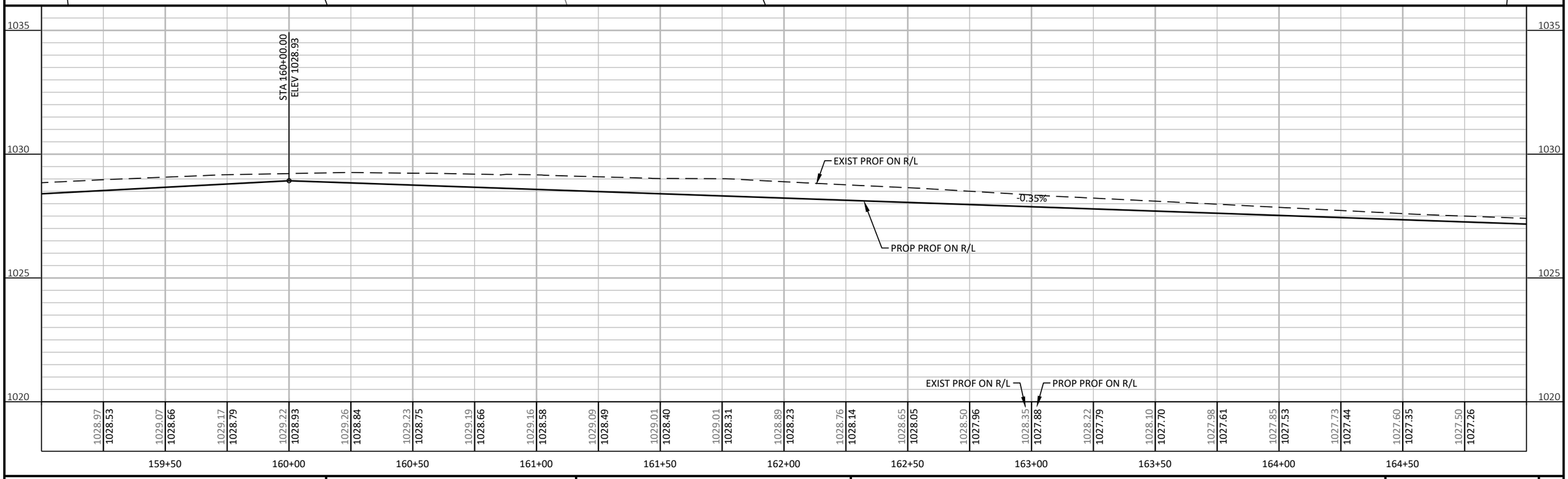
153+50 154+00 154+50 155+00 155+50 156+00 156+50 157+00 157+50 158+00 158+50

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 196 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050102-pp

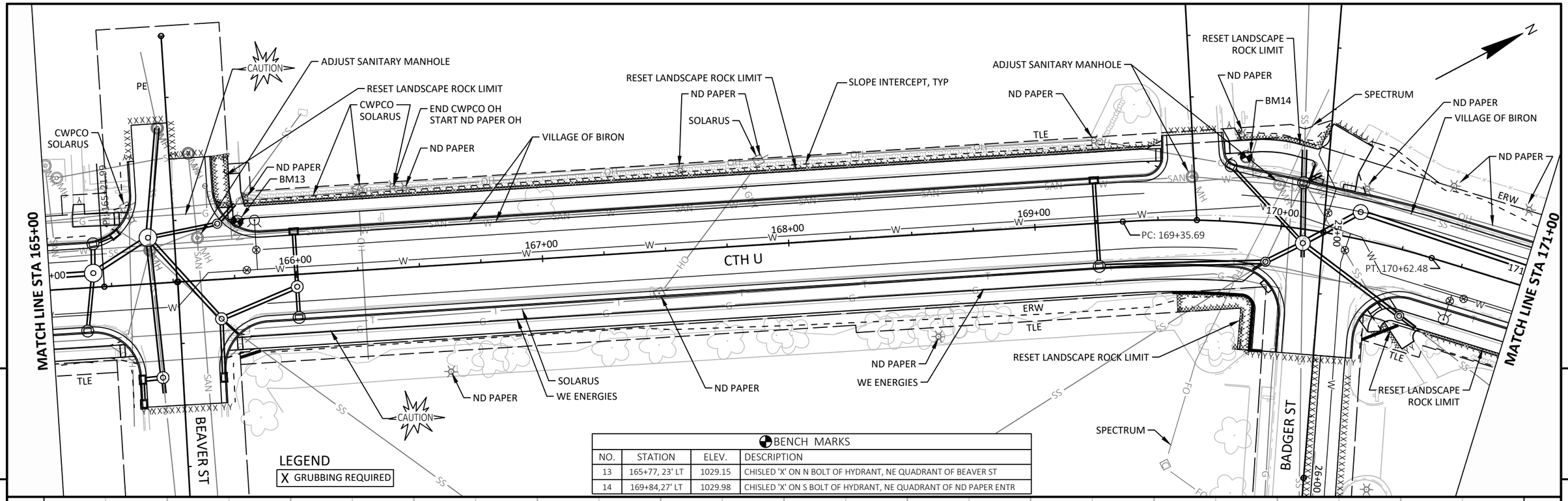
PLOT DATE : 12/1/2025 2:01 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT





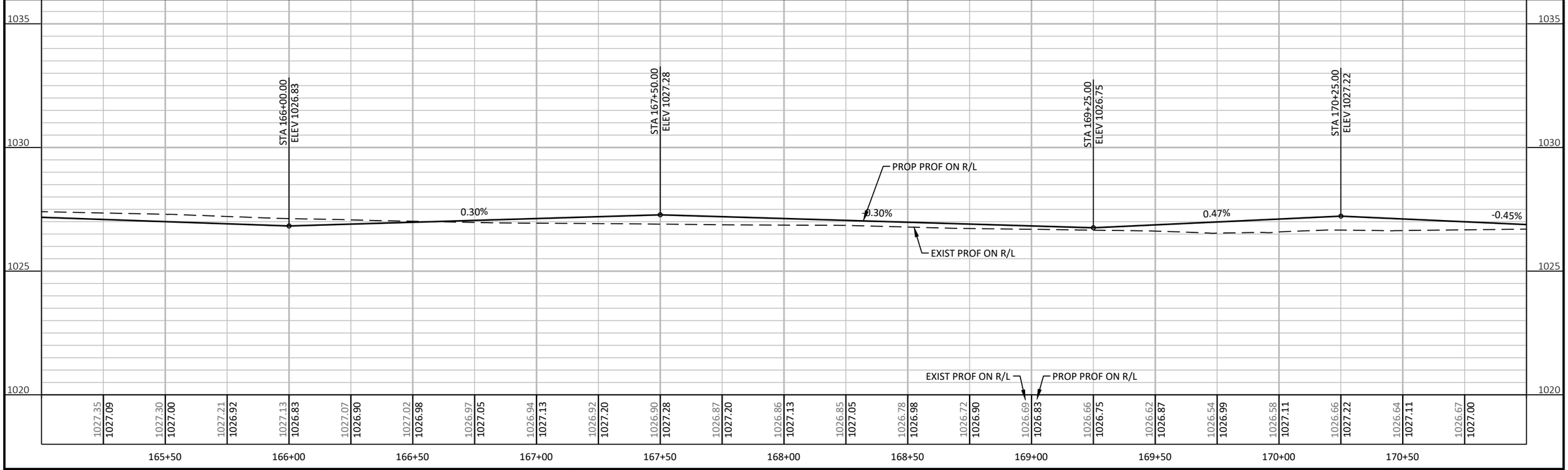
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 197	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050103-pp
PLOT DATE : 12/1/2025 2:01 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
13	165+77, 23' LT	1029.15	CHISLED 'X' ON N BOLT OF HYDRANT, NE QUADRANT OF BEAVER ST
14	169+84,27' LT	1029.98	CHISLED 'X' ON S BOLT OF HYDRANT, NE QUADRANT OF ND PAPER ENTR



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 198 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050104-pp
PLOT DATE : 12/1/2025 2:01 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

MATCH LINE STA 171+00

MATCH LINE STA 177+00

ND PAPER

VILLAGE OF BIRON

ND PAPER

ND PAPER

ND PAPER

SLOPE INTERCEPT, TYP

CWPCO

SOLARUS

TLE

ERW

PE

PI: 174+75.44

+00

172+00

173+00

174+00

175+00

176+00

177

CTH U

ND PAPER

RESET LANDSCAPE ROCK LIMIT

ND PAPER

SOLARUS

TLE

ND PAPER

OTTER ST

SOLARUS

ERW

PROPOSED STORMWATER SWALE

PRW

LEGEND

X GRUBBING REQUIRED

1023.00 1023.09 1023.18 1023.26 1023.35

RT DITCH PROF

STA 171+75.00
ELEV 1026.54

STA 175+25.00
ELEV 1027.59

STA 176+50.00
ELEV 1027.22

1030

1025

1020

PROP PROF ON R/L

-0.45%

0.30%

-0.30%

EXIST PROF ON R/L

STA 176+00.00
ELEV 1023.00

RT DITCH PROF

EXIST PROF ON R/L

PROP PROF ON R/L

1026.73 1026.77 1026.76 1026.65 1026.82 1026.54 1026.89 1026.62 1026.92 1026.69 1026.93 1026.77 1026.93 1026.84 1026.97 1026.92 1026.99 1026.99 1026.97 1027.07 1027.00 1027.14 1027.10 1027.22 1027.19 1027.29 1027.29 1027.37 1027.38 1027.44 1027.41 1027.52 1027.46 1027.59 1027.55 1027.52 1027.61 1027.44 1027.65 1027.37 1027.67 1027.29 1027.67 1027.22 1027.69 1027.30

171+50 172+00 172+50 173+00 173+50 174+00 174+50 175+00 175+50 176+00 176+50

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 199 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050105-pp

PLOT DATE : 12/1/2025 2:01 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MATCH LINE STA 177+00

MATCH LINE STA 183+00

CWPCO

CWPCO

CWPCO

EXISTING SEAWALL

PE

TLE

ERW

30" CURB AND GUTTER

178+00

179+00

180+00

181+00

PC: 181+70.06

182+00

PT: 182+72.86

CTH U

ERW

PRW

TLE

SLOPE INTERCEPT, TYP

HSE

PROPOSED STORMWATER SWALE

BEAR ST

BM42

LEGEND

X GRUBBING REQUIRED

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
42	179+03.22	1032.38	"OPEN" ARRW TOP FLNGE OF HYD ON S SIDE OF BEAR ST 170' E OF CTH U

1023.35 1023.44 1023.53 1023.62 1023.70 1023.79 1023.88 1023.96

RT DITCH PROF

STA 182+00.00
ELEV 1029.17

EXIST PROF ON R/L

0.71%

0.35%

PROP PROF ON R/L

STA 178+85.00
ELEV 1024.00

0.35%

RT DITCH PROF

EXIST PROF ON R/L

PROP PROF ON R/L

1030

1025

1020

1027.76 1027.48 1027.83 1027.57 1027.91 1027.66 1028.02 1027.75 1028.15 1027.84 1028.22 1027.92 1028.29 1028.01 1028.38 1028.10 1028.47 1028.19 1028.54 1028.28 1028.61 1028.37 1028.70 1028.46 1028.81 1028.55 1028.96 1028.63 1029.11 1028.72 1029.29 1028.81 1029.47 1028.90 1029.59 1028.99 1029.72 1029.08 1029.89 1029.17 1030.04 1029.34 1030.17 1029.52 1030.23 1029.70

177+50 178+00 178+50 179+00 179+50 180+00 180+50 181+00 181+50 182+00 182+50

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 200 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050106-pp

PLOT DATE : 12/1/2025 2:01 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

UTILITY LINE OPENING REQUIRED TO LOCATE EXISTING UNDERDRAIN THOUGHT TO BE ADJACENT TO SEAWALL. IF EXISTING UNDERDRAIN IS IMPACTED BY ROADWAY RECONSTRUCTION, REPLACE UNDERDRAIN IN SAME LOCATION AND ELEVATION AS EXISTING.

MATCH LINE STA 183+00

MATCH LINE STA 189+00

CONNECT EXISTING UNDERDRAIN

EXISTING SEAWALL

30" CURB AND GUTTER

ERW

184+00

PC: 184+11.80

185+00

PT: 185+06.85

CTH U

186+00

187+00

188+00

CWPCO

PRW

TLE

ELK ST

BM41

SLOPE INTERCEPT, TYP

5' SIDEWALK

LEGEND

X GRUBBING REQUIRED

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
41	183+41.63	1031.82	OPEN ARRW TOP FLNGE OF HYD ON S SIDE OF ELK ST 170' E OF CTH U

STA 183+50.00
ELEV 1030.23

STA 188+50.00
ELEV 1031.88

PROP PROF ON R/L

0.33%

EXIST PROF ON R/L

EXIST PROF ON R/L

PROP PROF ON R/L

1040 1035 1030 1025

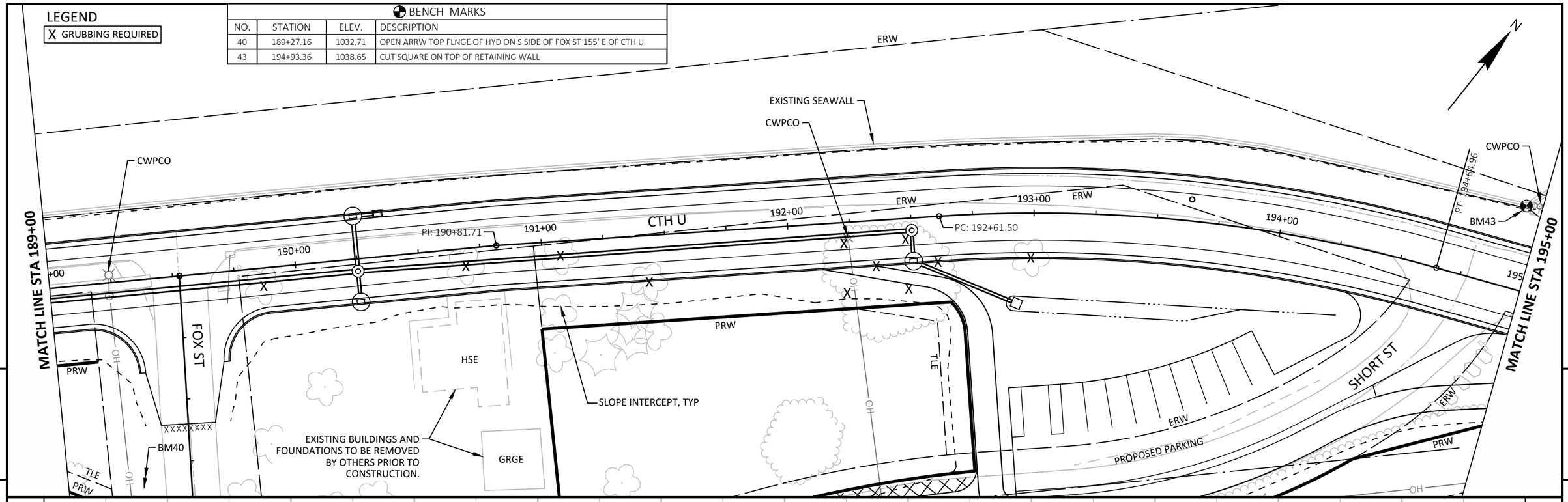
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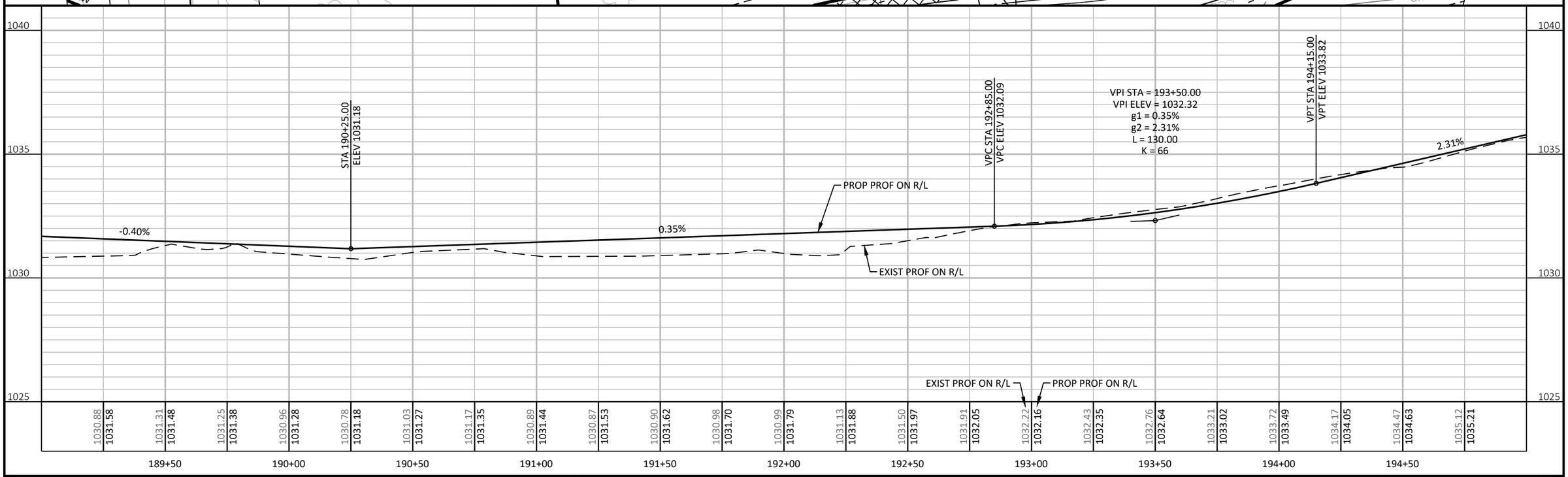
LEGEND

X GRUBBING REQUIRED

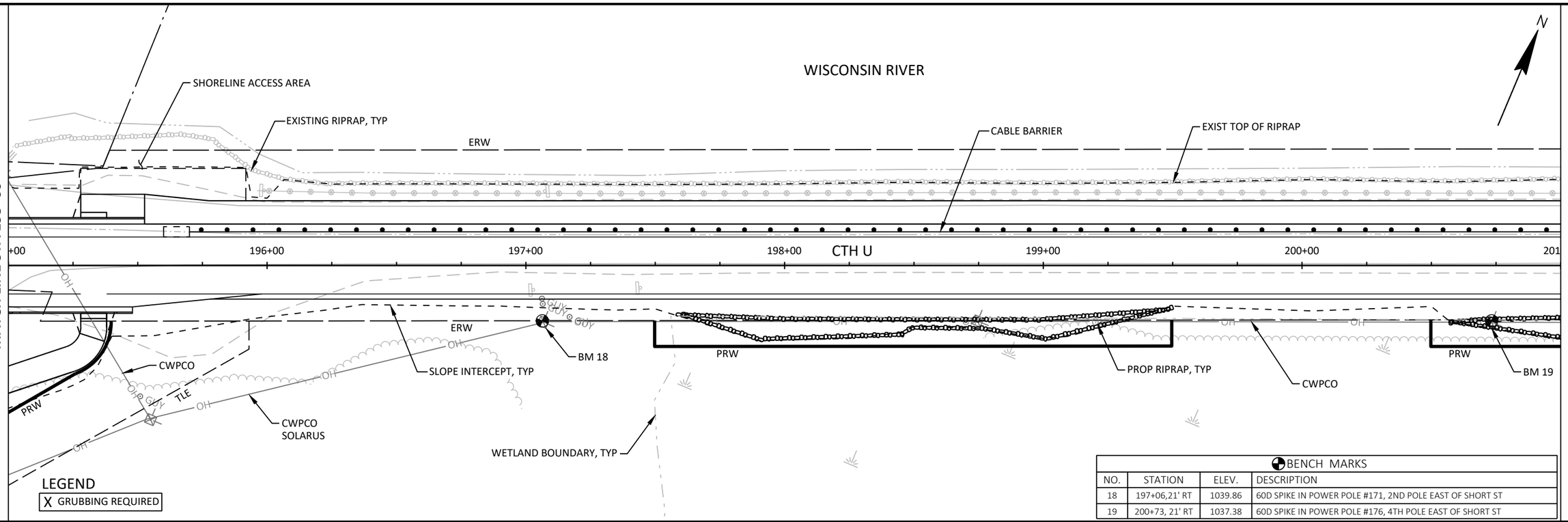
BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
40	189+27.16	1032.71	OPEN ARRW TOP FLNGE OF HYD ON S SIDE OF FOX ST 155' E OF CTH U
43	194+93.36	1038.65	CUT SQUARE ON TOP OF RETAINING WALL

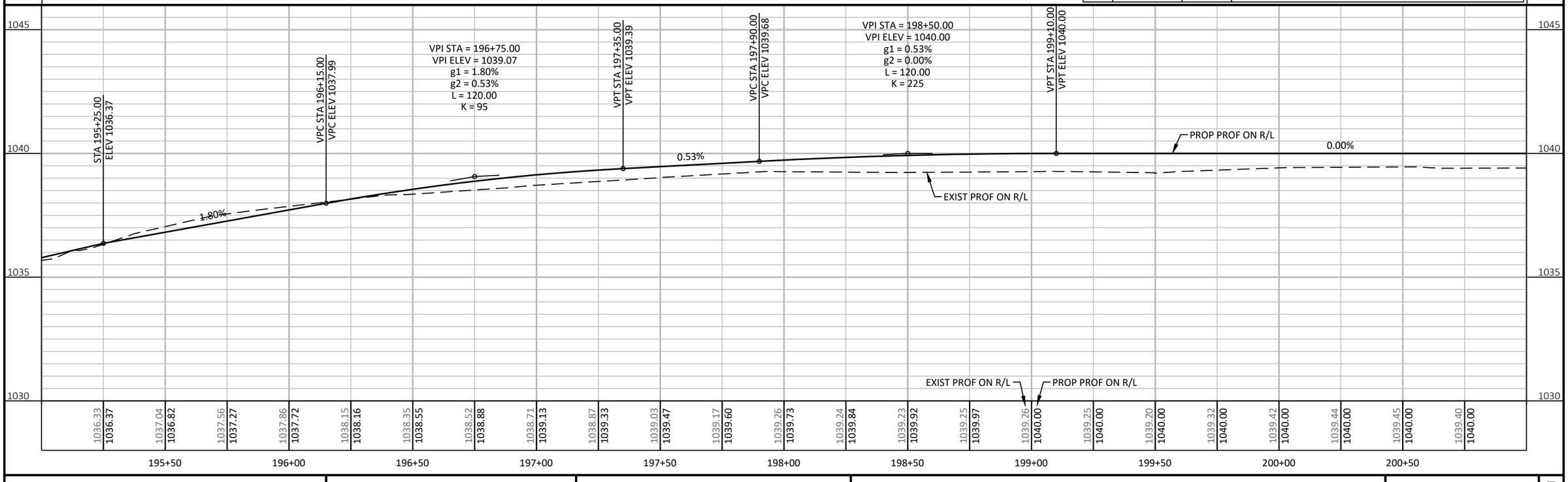




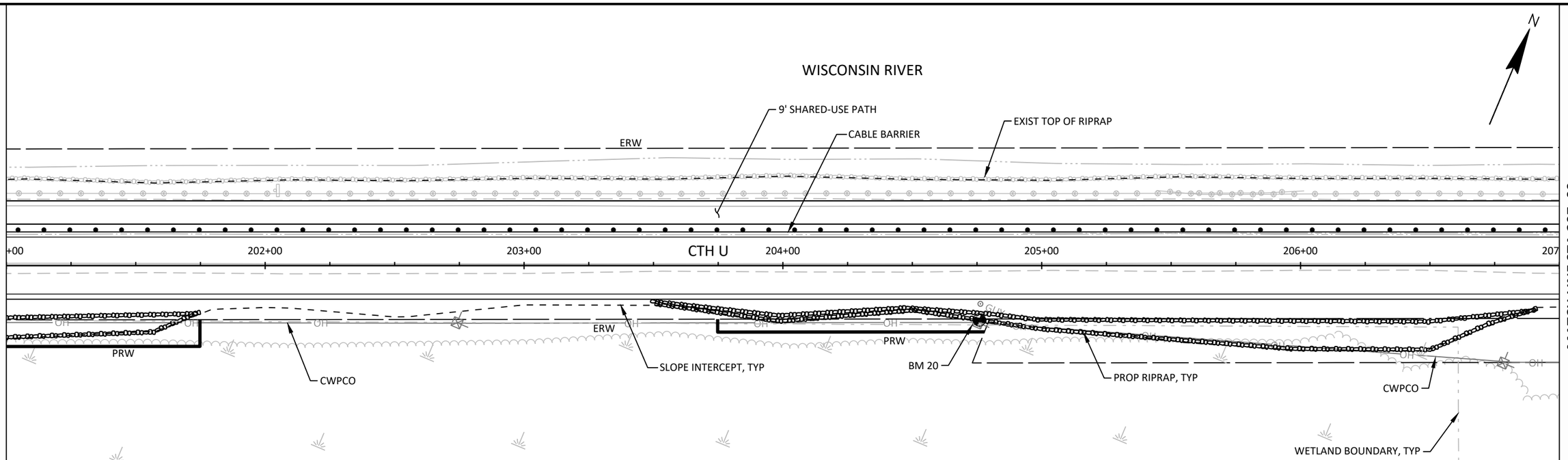
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 202	E



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
18	197+06,21' RT	1039.86	60D SPIKE IN POWER POLE #171, 2ND POLE EAST OF SHORT ST
19	200+73, 21' RT	1037.38	60D SPIKE IN POWER POLE #176, 4TH POLE EAST OF SHORT ST



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 203 E



5

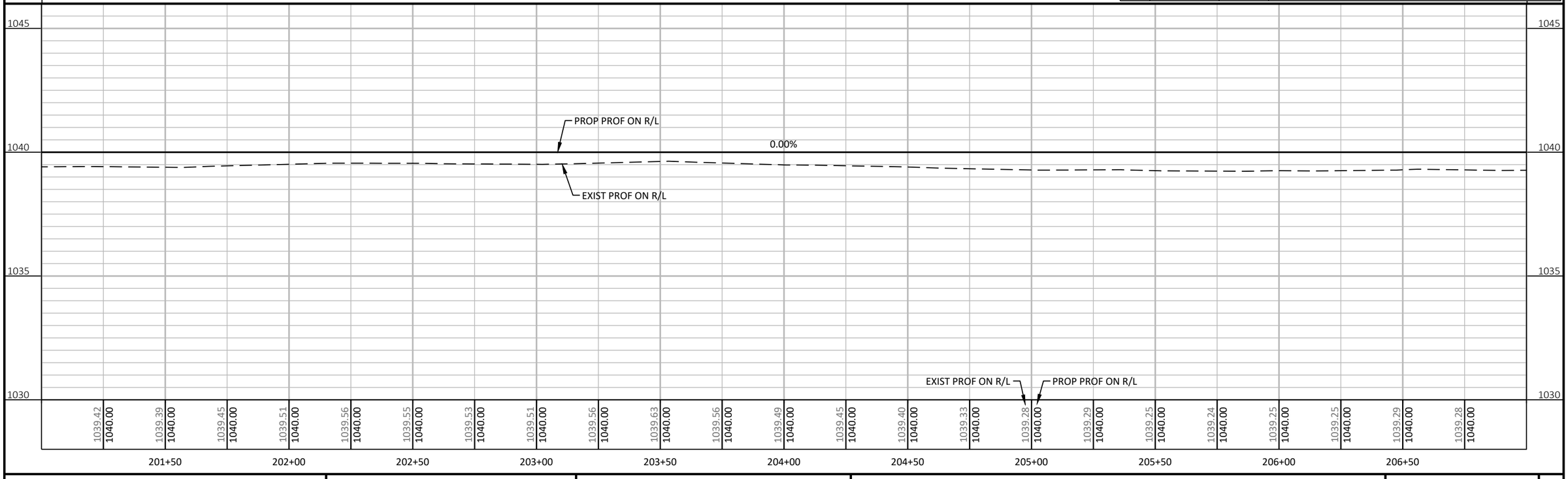
5

LEGEND

X GRUBBING REQUIRED

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
20	204+76, 21' RT	1041.04	60D SPIKE IN POWER POLE #178, 6TH POLE EAST OF SHORT ST



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 204	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050110-pp
PLOT DATE : 10/9/2025 2:09 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

WISCONSIN RIVER

N

MATCH LINE STA 207+00

MATCH LINE STA 213+00

CABLE BARRIER

EXIST TOP OF RIPRAP

ERW

208+00 209+00 210+00 CTH U 211+00 212+00 213

OH

BM 21

PRW

MARSH RD

CWPCO

BM 22

GUY

SLOPE INTERCEPT, TYP

ERW

PROP RIPRAP, TYP

LEGEND

X GRUBBING REQUIRED

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
21	208+26, 38' RT	1039.93	60 D SPIKE IN POWER POLE, SW QUADRANT OF MARSH RD INT
22	210+74, 38' RT	1038.48	60D SPIKE IN POWER POLE #182, 2ND POLE EAST OF MARSH RD

5

5

1045

1040

1035

1030

PROP PROF ON R/L

0.00%

EXIST PROF ON R/L

EXIST PROF ON R/L

PROP PROF ON R/L

1039.26 1040.00 1039.29 1040.00 1039.33 1040.00 1039.33 1040.00 1039.34 1040.00 1039.38 1040.00 1039.36 1040.00 1039.23 1040.00 1039.36 1040.00 1039.37 1040.00 1039.33 1040.00 1039.31 1040.00 1039.26 1040.00 1039.24 1040.00 1039.25 1040.00 1039.23 1040.00 1039.19 1040.00 1039.16 1040.00 1039.14 1040.00 1039.14 1040.00 1039.20 1040.00 1039.17 1040.00 1039.19 1040.00

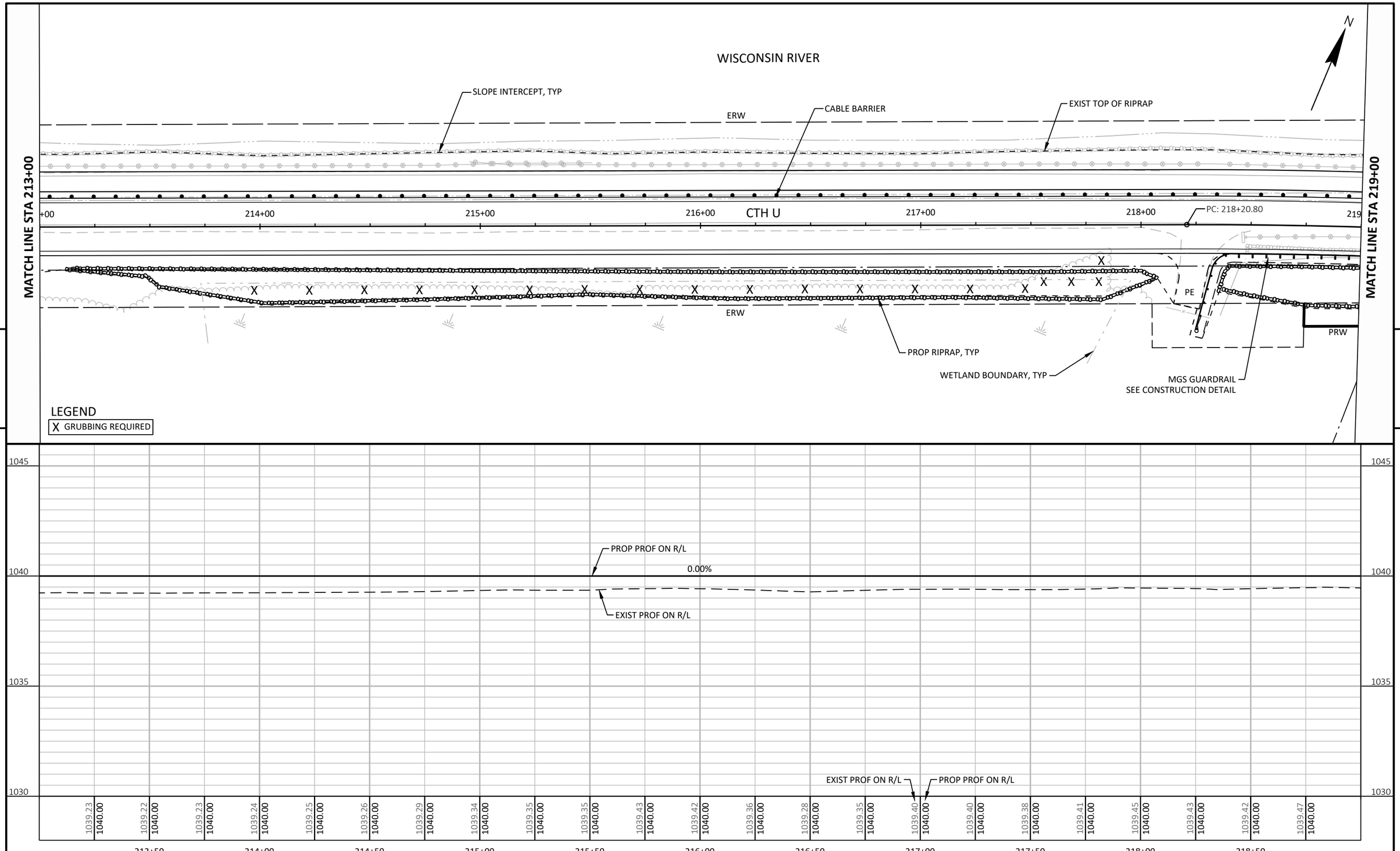
207+50 208+00 208+50 209+00 209+50 210+00 210+50 211+00 211+50 212+00 212+50

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 205	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050111-pp

PLOT DATE : 10/9/2025 2:09 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 206	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050112-pp

PLOT DATE : 10/9/2025 2:09 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISCONSIN RIVER

N

MATCH LINE STA 219+00

MATCH LINE STA 225+00

SLOPE INTERCEPT, TYP

CABLE BARRIER

EXIST TOP OF RIPRAP

ERW

BM44

BM45

CTH U

220+00

221+00

222+00

223+00

224+00

PT: 223+56.39

PE

ERW

PRW

MGS GUARDAIL
SEE CONSTRUCTION DETAIL

EXISTING 48-INCH
RCCP TO REMAIN

PROP RIPRAP, TYP

TLE

MGS GUARDAIL
SEE CONSTRUCTION DETAIL

EXISTING 7.5' X 5' CONCRETE
BOX CULVERT TO REMAIN

WATER
SUPPLY
CHANNEL

WETLAND
BOUNDARY,
TYP

POND

LEGEND

X GRUBBING REQUIRED

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
44	220+71.30	1038.77	CUT SQUARE ON TOP OF HEAD WALL FOR IRRIGATION CONTROL VALVE
45	223+99.99	1338.59	CUT SQUARE ON TOP OF HEAD WALL FOR BOX CULVERT

5

5

1045

1040

1035

1030

PROP PROF ON R/L

EXIST PROF ON R/L

0.00%

EXIST PROF ON R/L

PROP PROF ON R/L

1039.39 1040.00 | 1039.24 1040.00 | 1039.07 1040.00 | 1038.99 1040.00 | 1038.97 1040.00 | 1038.85 1040.00 | 1038.83 1040.00 | 1038.68 1040.00 | 1038.86 1040.00 | 1038.82 1040.00 | 1038.93 1040.00 | 1038.97 1040.00 | 1038.90 1040.00 | 1038.89 1040.00 | 1039.04 1040.00 | 1039.25 1040.00 | 1039.47 1040.00 | 1039.42 1040.00 | 1039.45 1040.00 | 1039.48 1040.00 | 1039.51 1040.00 | 1039.56 1040.00 | 1039.58 1040.00

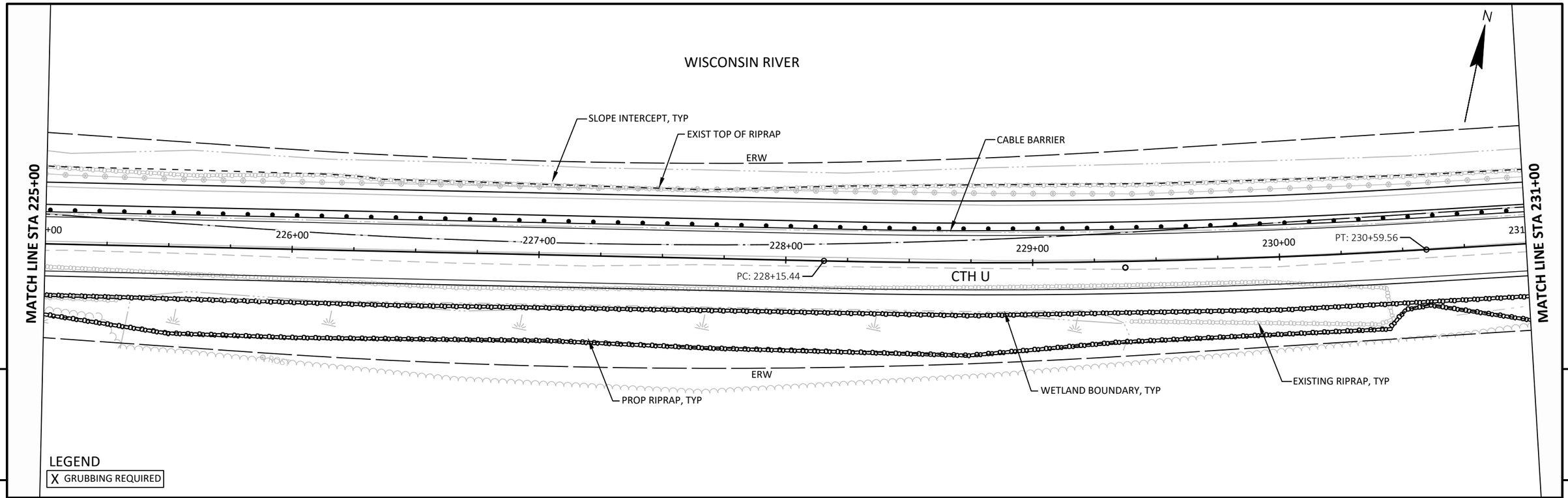
219+50 220+00 220+50 221+00 221+50 222+00 222+50 223+00 223+50 224+00 224+50

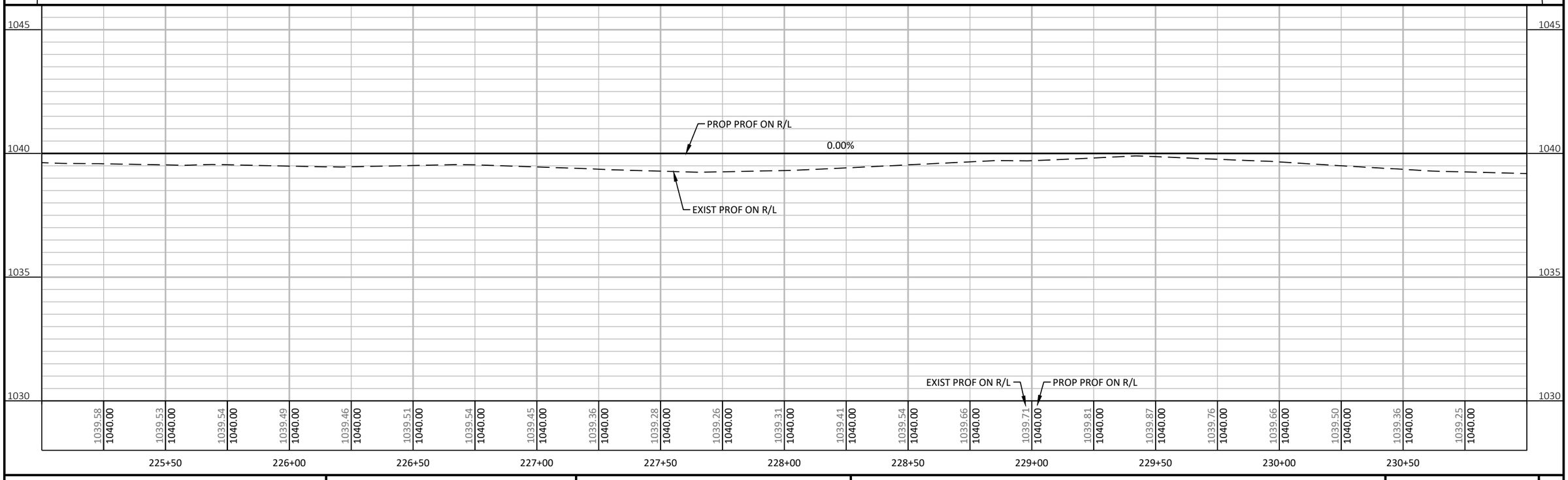
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 207	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050113-pp

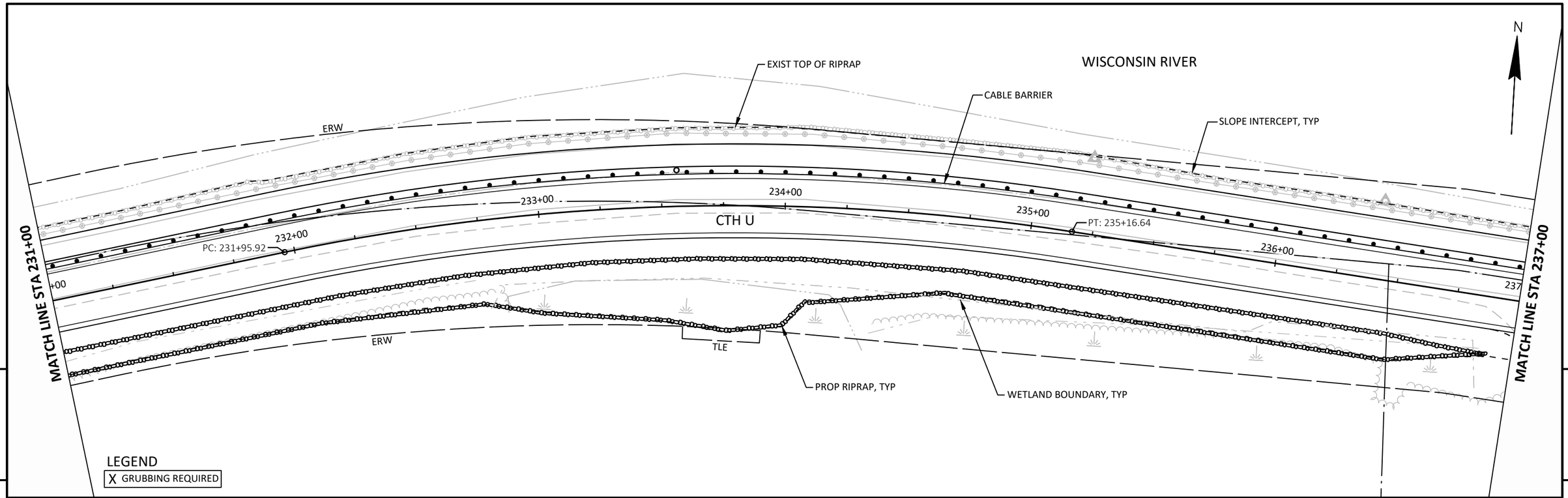
PLOT DATE : 10/21/2025 2:39 PM PLOT BY : JOE DRISCOLL PLOT NAME : PLOT SCALE : 1 IN:40 FT

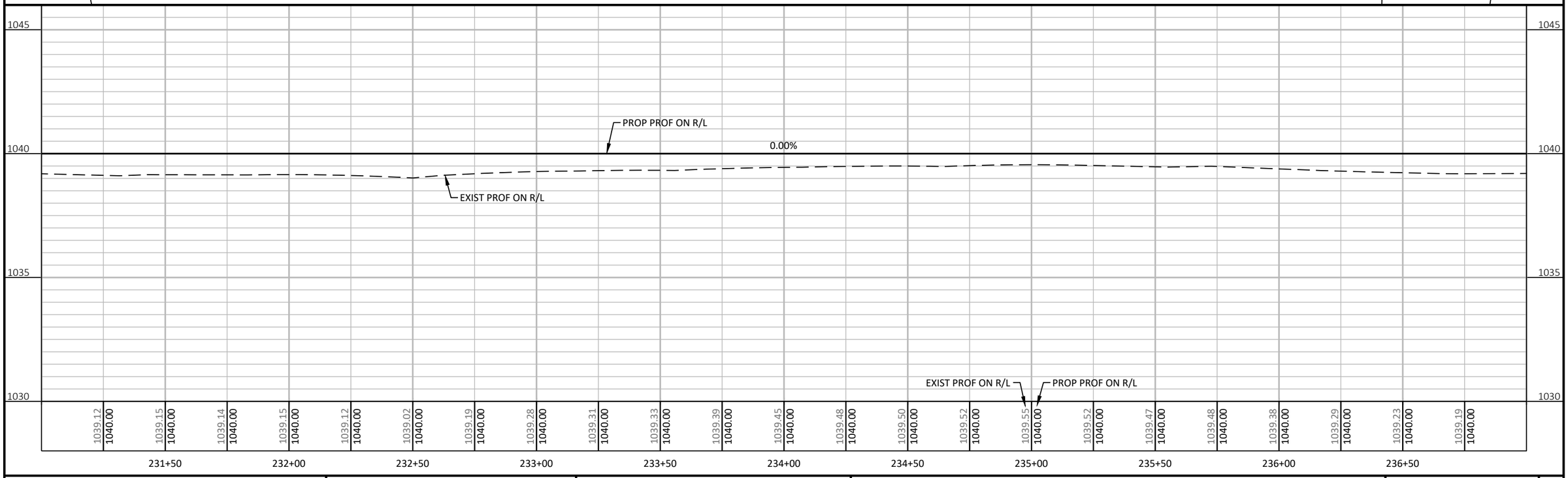
WISDOT/CADDS SHEET 44





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 208 E





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 209 E

WISCONSIN RIVER

N

EXIST TOP OF RIPRAP

CABLE BARRIER

ERW

MATCH LINE STA 237+00

MATCH LINE STA 243+00

+00

238+00

239+00

240+00

241+00

242+00

243

CTH U

PC: 240+13.26

PE

SLOPE INTERCEPT, TYP

ERW

WETLAND BOUNDARY, TYP

PROP RIPRAP, TYP

LEGEND

X GRUBBING REQUIRED

5

5

1045

1040

1035

1030

PROP PROF ON R/L

0.00%

EXIST PROF ON R/L

EXIST PROF ON R/L

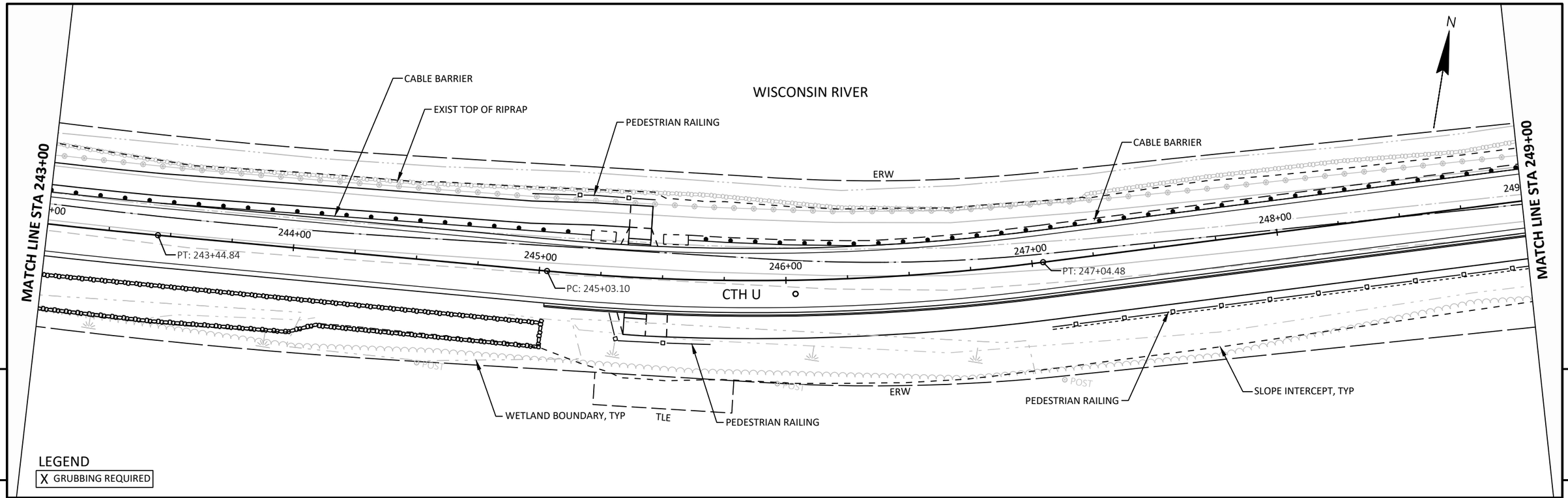
PROP PROF ON R/L

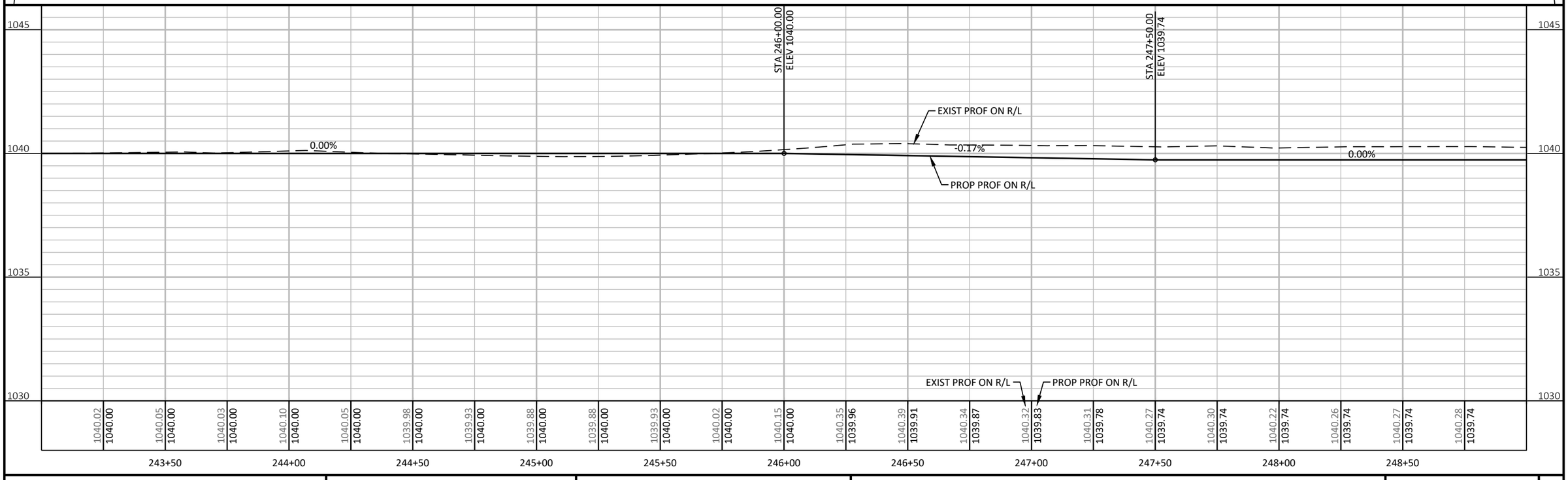
1039.28 1040.00 | 1039.27 1040.00 | 1039.24 1040.00 | 1039.21 1040.00 | 1039.25 1040.00 | 1039.34 1040.00 | 1039.36 1040.00 | 1039.43 1040.00 | 1039.48 1040.00 | 1039.42 1040.00 | 1039.41 1040.00 | 1039.45 1040.00 | 1039.47 1040.00 | 1039.54 1040.00 | 1039.67 1040.00 | 1039.72 1040.00 | 1039.77 1040.00 | 1039.81 1040.00 | 1039.84 1040.00 | 1039.87 1040.00 | 1039.86 1040.00 | 1039.90 1040.00 | 1039.91 1040.00

237+50 238+00 238+50 239+00 239+50 240+00 240+50 241+00 241+50 242+00 242+50

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 210	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050116-pp
PLOT DATE : 10/9/2025 2:09 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





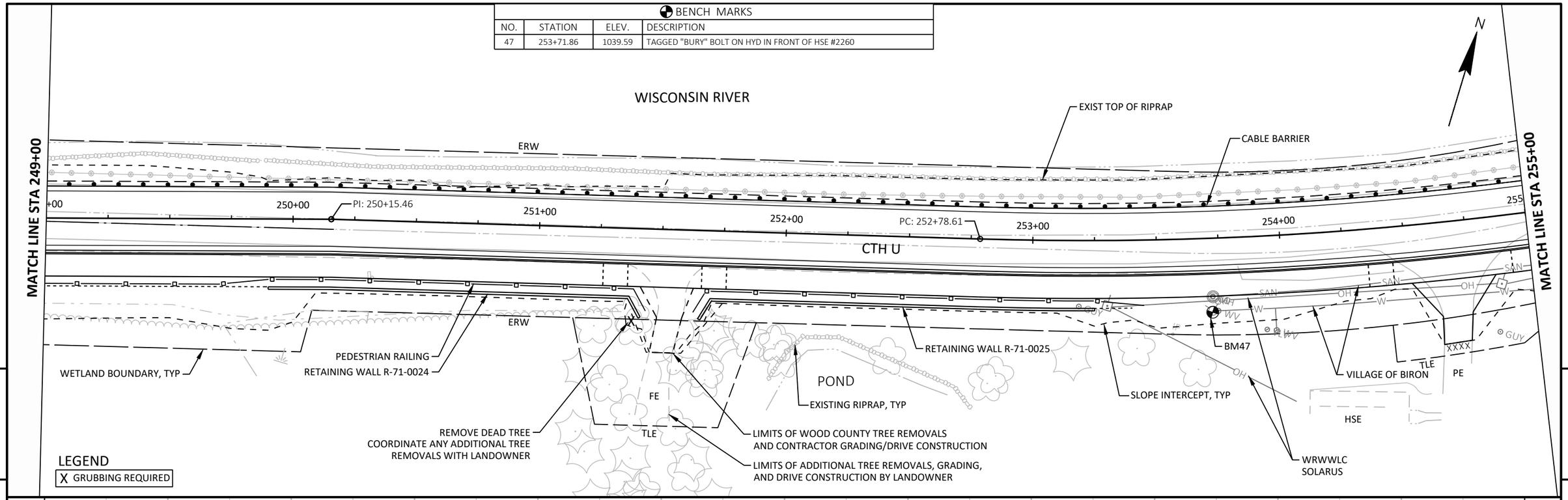
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 211 E

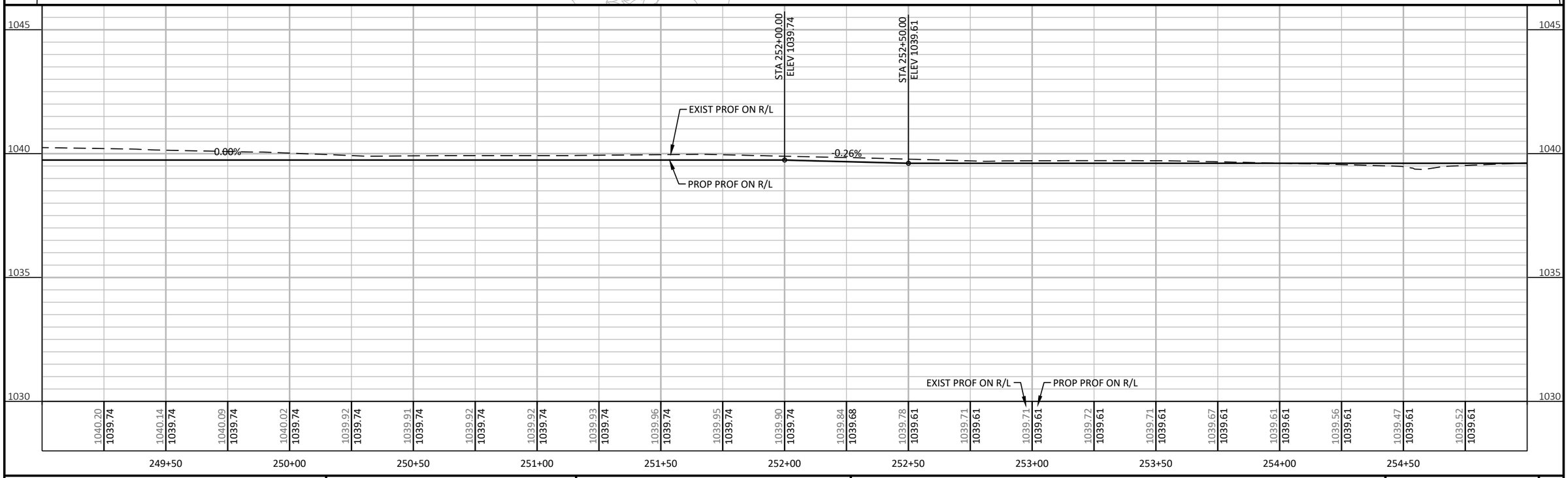
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050117-pp

PLOT DATE : 12/3/2025 8:02 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
47	253+71.86	1039.59	TAGGED "BURY" BOLT ON HYD IN FRONT OF HSE #2260





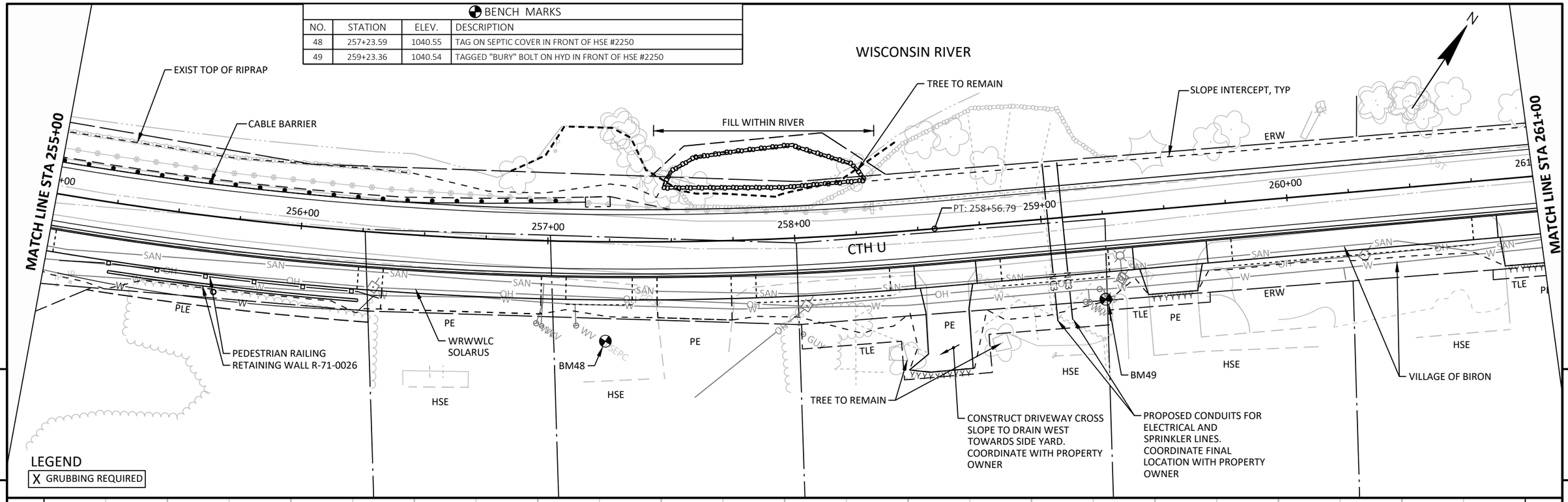
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 212 E

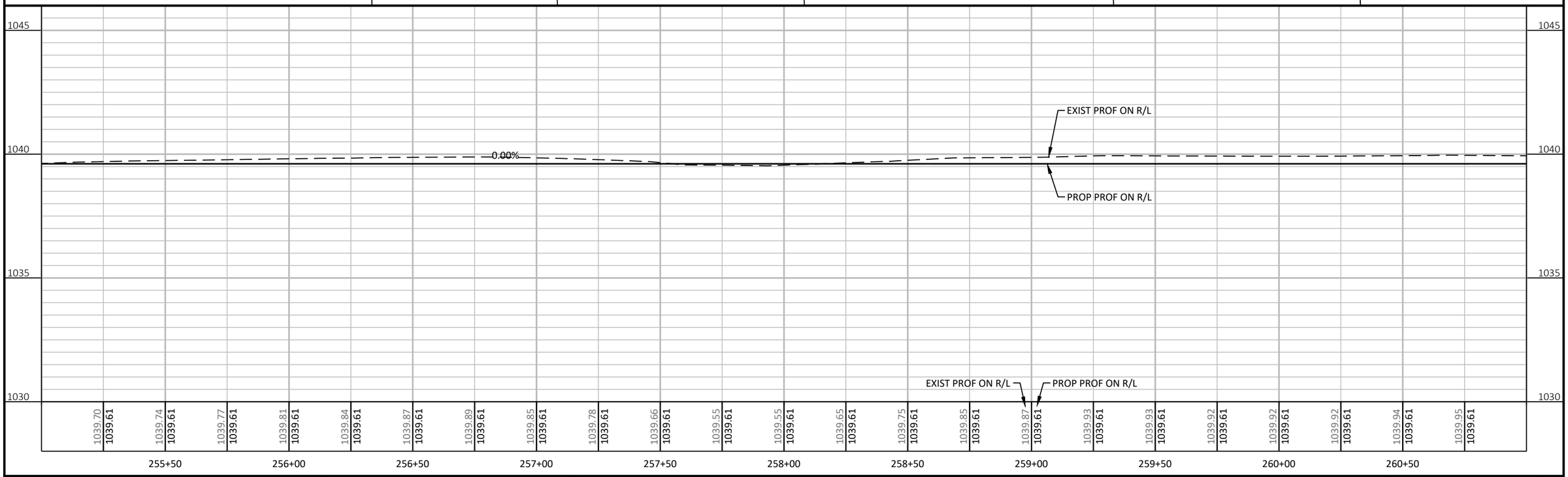
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050118-pp

PLOT DATE : 12/3/2025 8:02 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

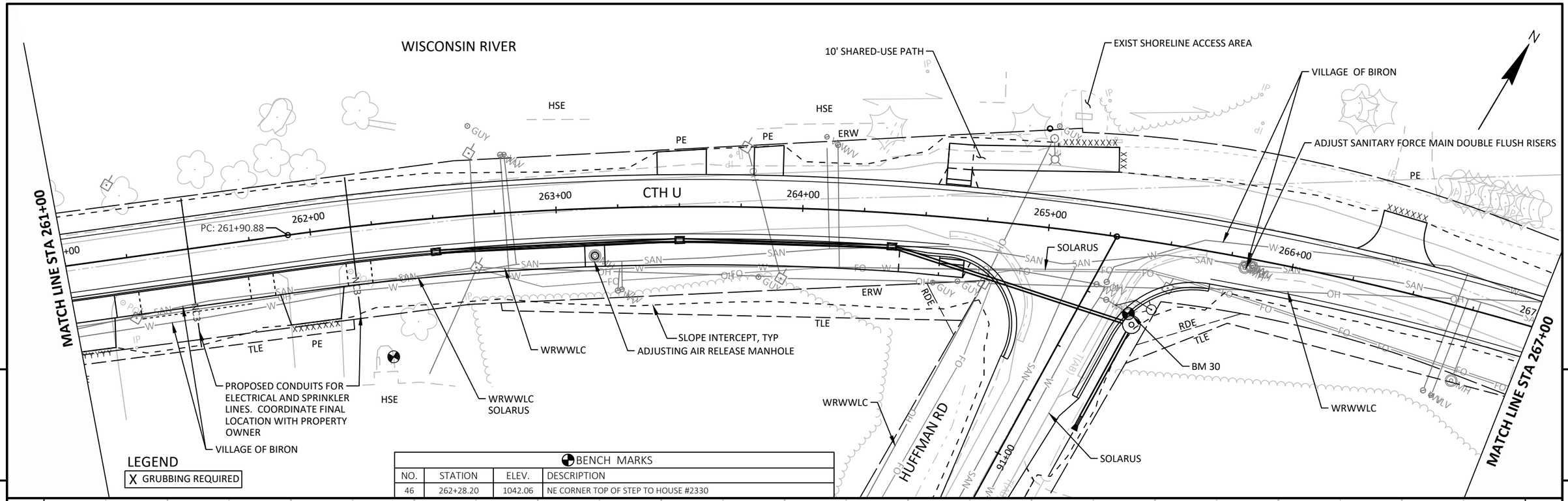
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
48	257+23.59	1040.55	TAG ON SEPTIC COVER IN FRONT OF HSE #2250
49	259+23.36	1040.54	TAGGED "BURY" BOLT ON HYD IN FRONT OF HSE #2250





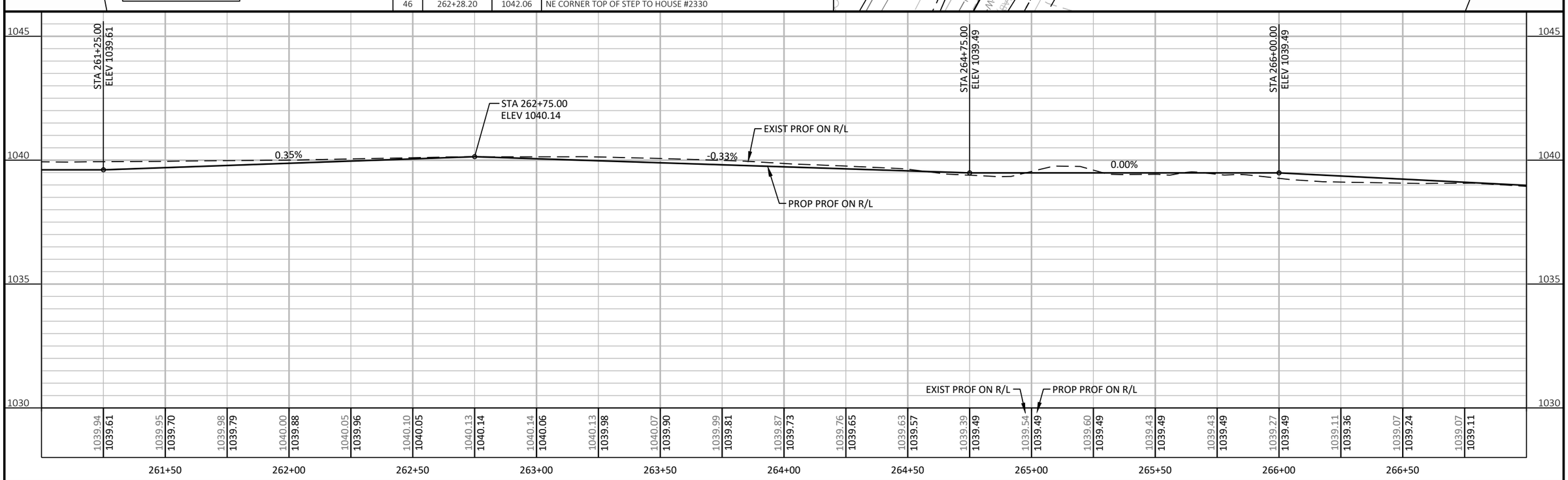
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 213	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050119-pp
PLOT DATE : 12/3/2025 8:02 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



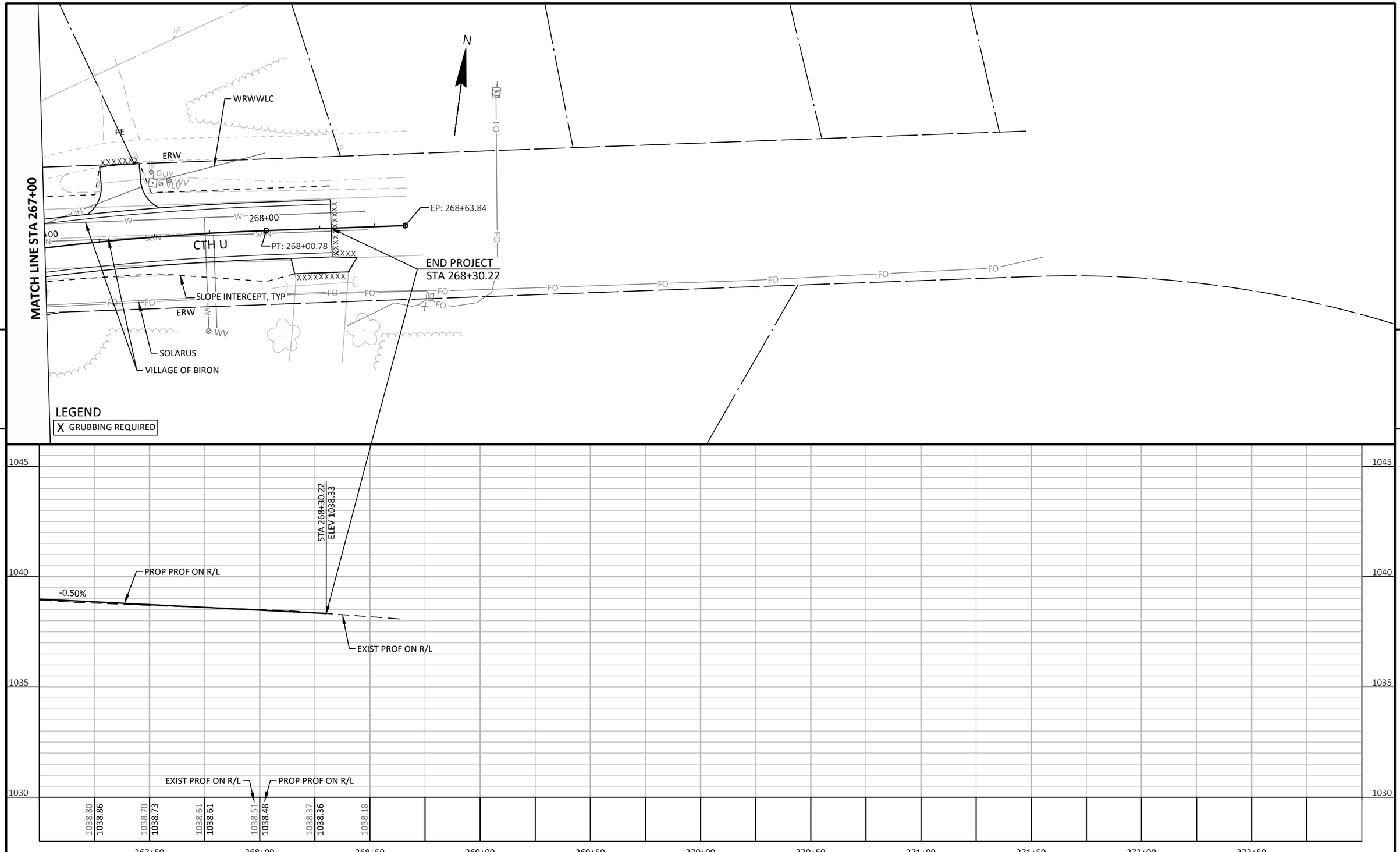
BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
46	262+28.20	1042.06	NE CORNER TOP OF STEP TO HOUSE #2330



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 214	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050120-pp
PLOT DATE : 12/1/2025 2:01 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

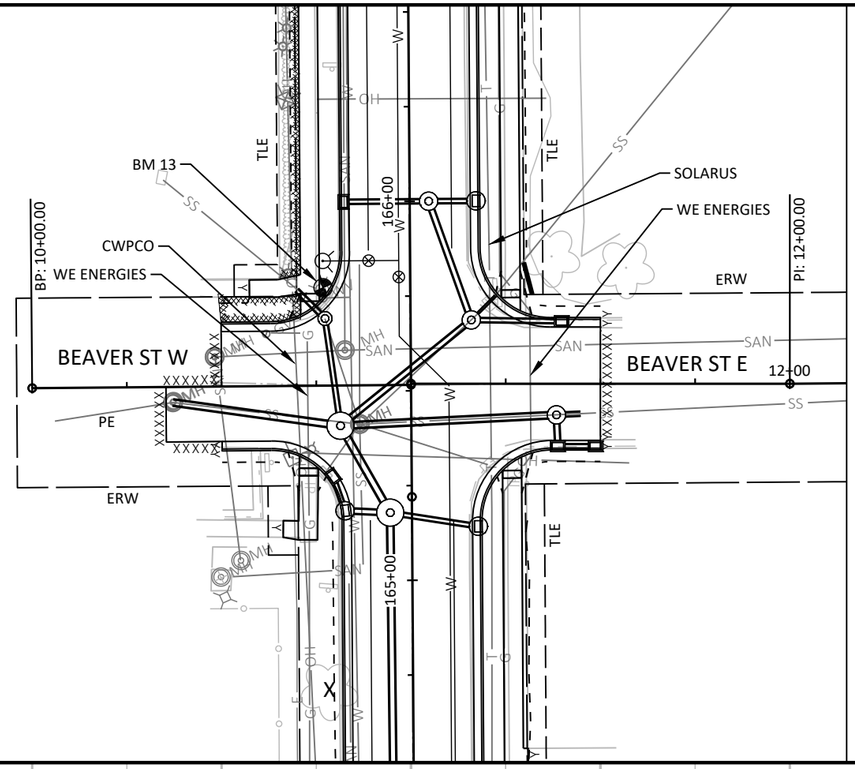


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: CTH U	SHEET 215 E

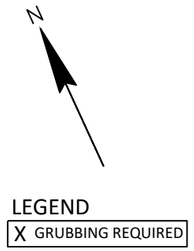
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050121-pp

PLOT DATE : 10/9/2025 2:10 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

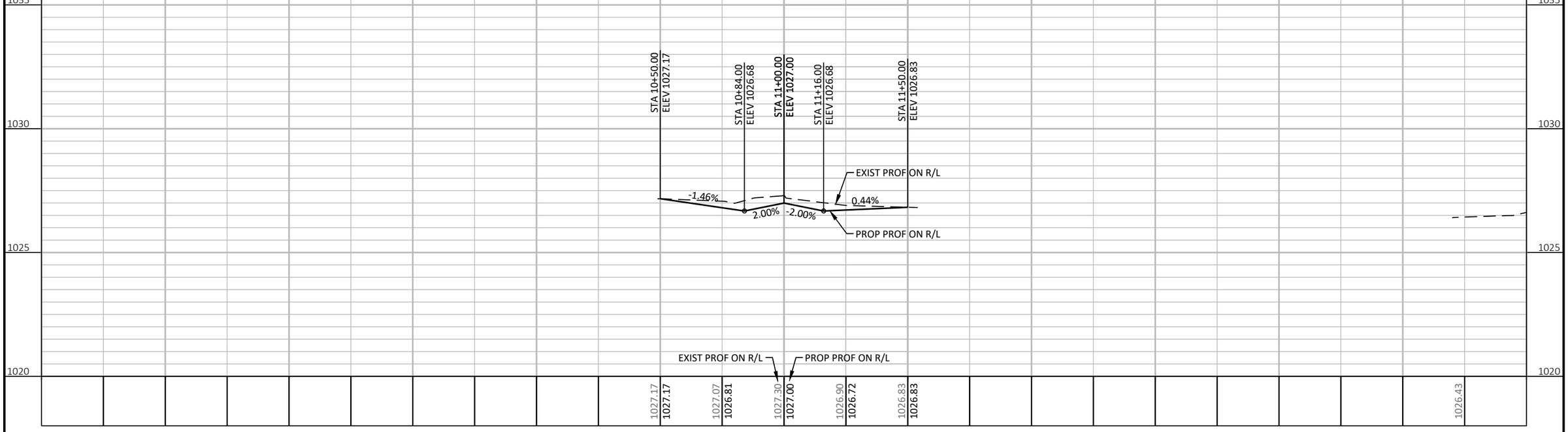


BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
13	165+77, 23' LT	1029.15	CHISLED 'X' ON N BOLT OF HYDRANT, NE QUADRANT OF BEAVER ST



LEGEND

X GRUBBING REQUIRED

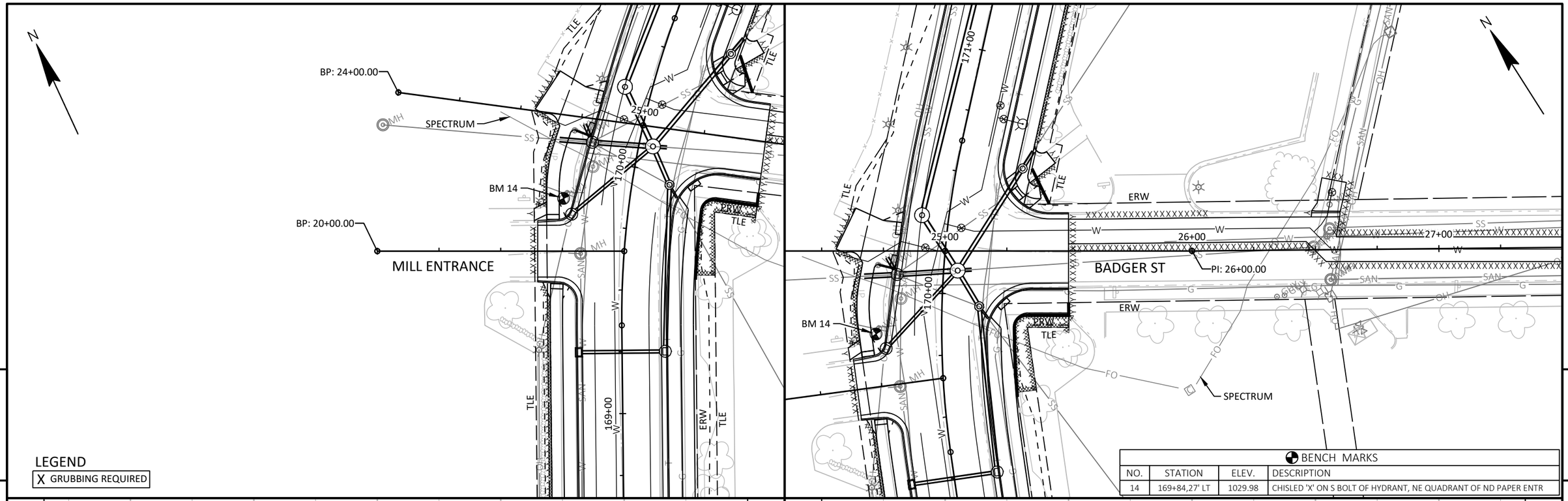


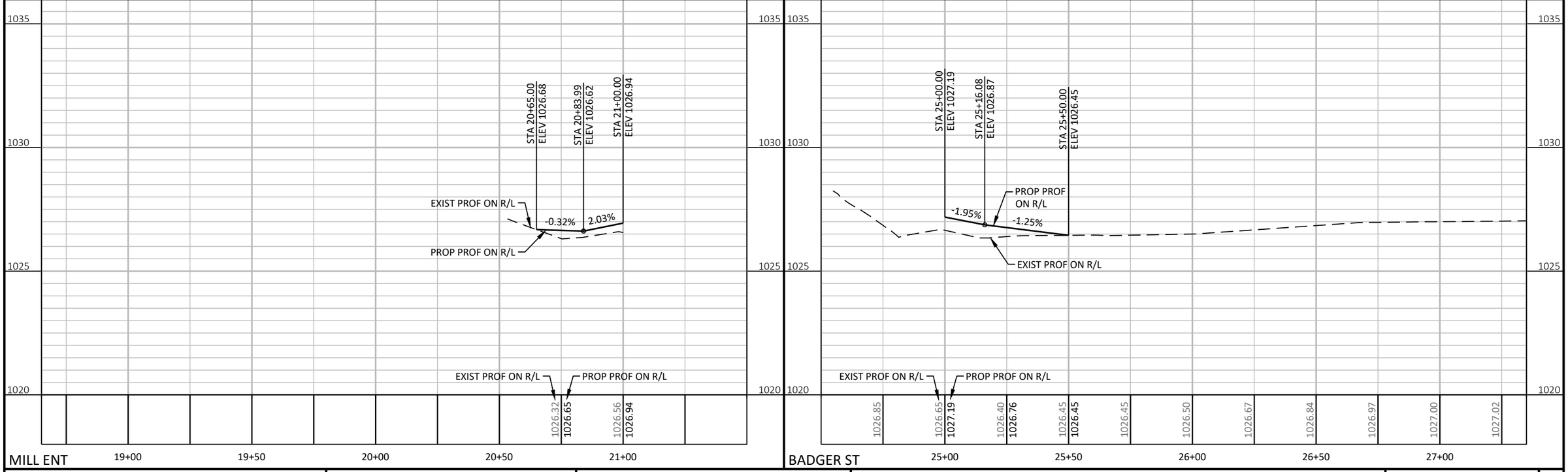
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: SIDEROADS	SHEET 216	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050130-pp

PLOT DATE : 12/1/2025 2:01 PM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

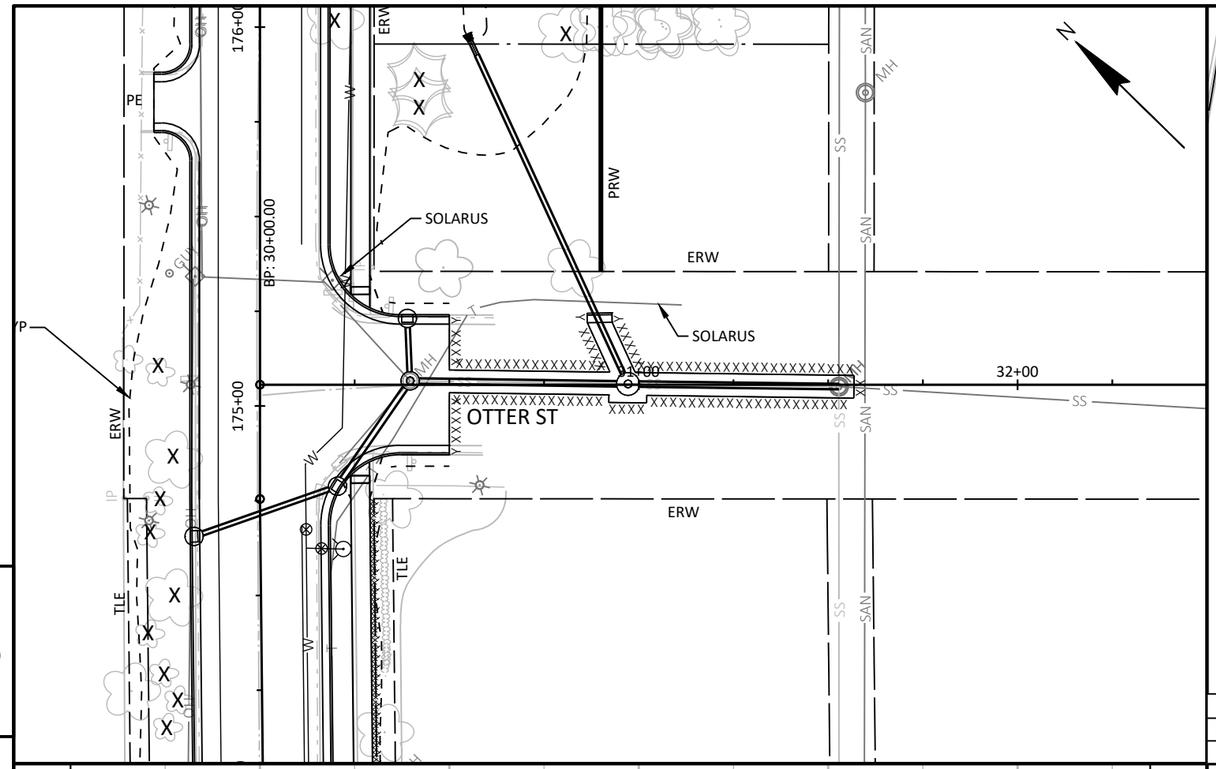
WISDOT/CADDS SHEET 44

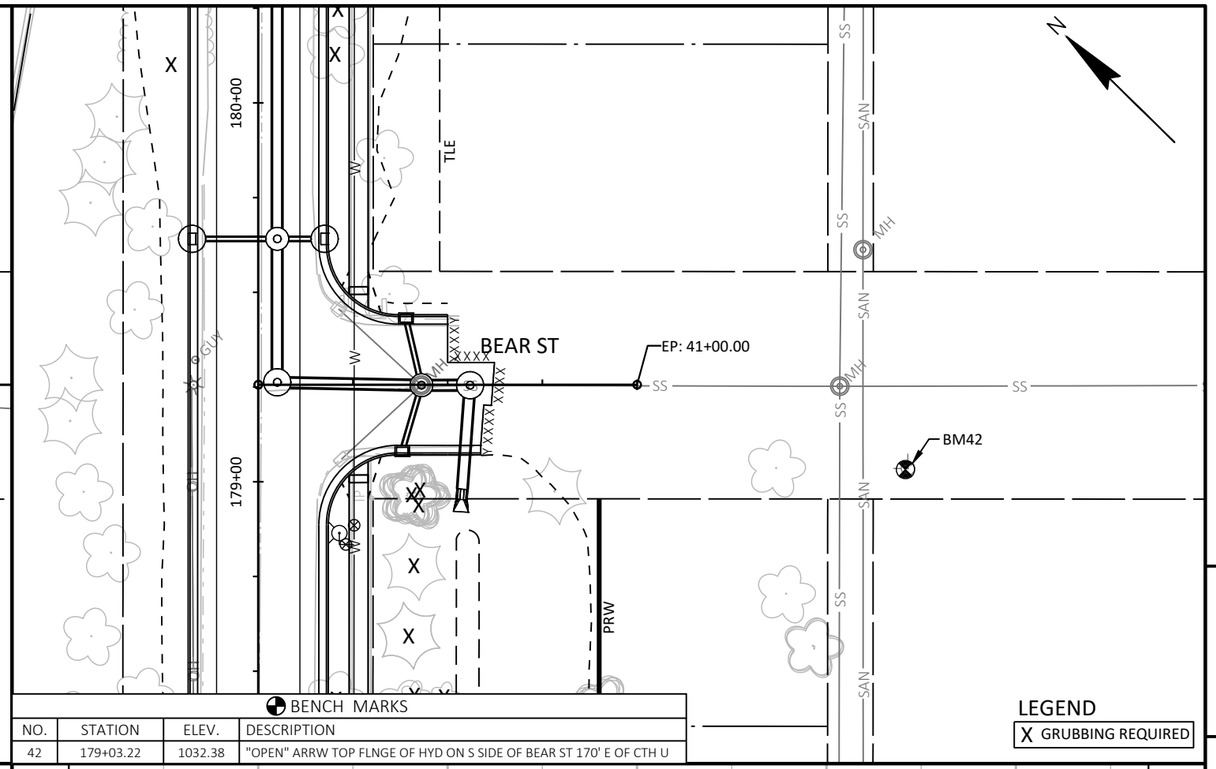




PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: SIDEROADS	SHEET 217	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050131-pp
PLOT DATE : 12/1/2025 2:01 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





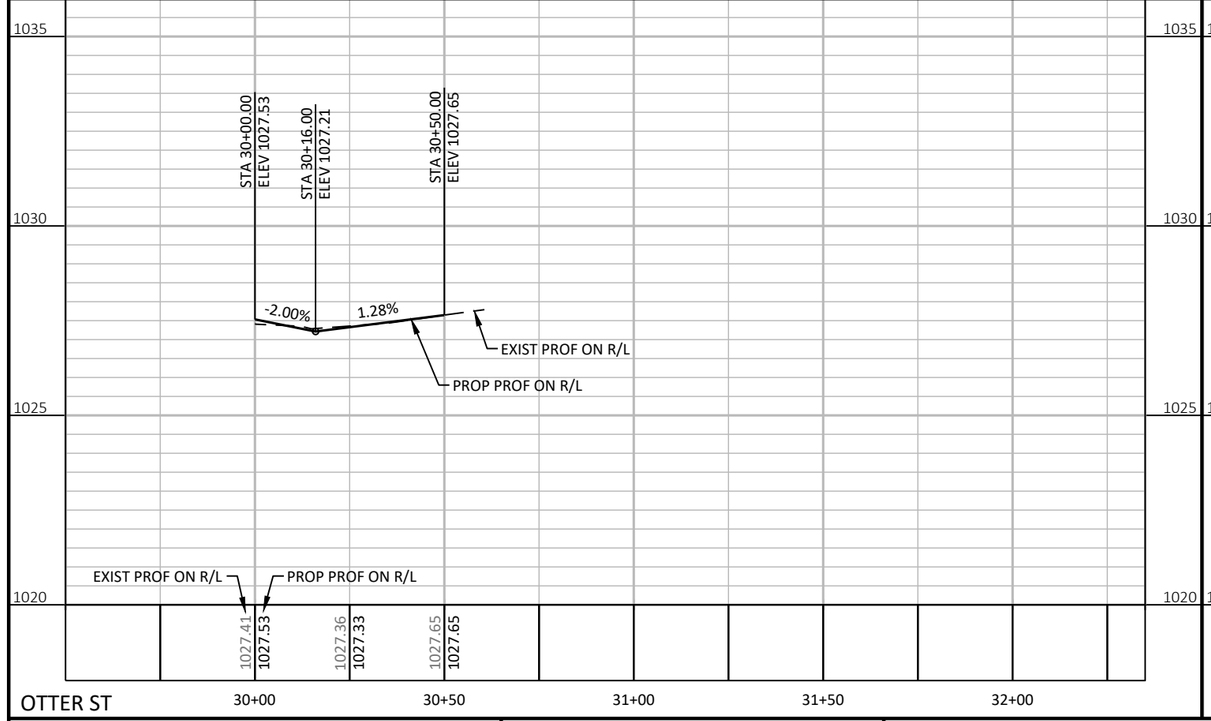
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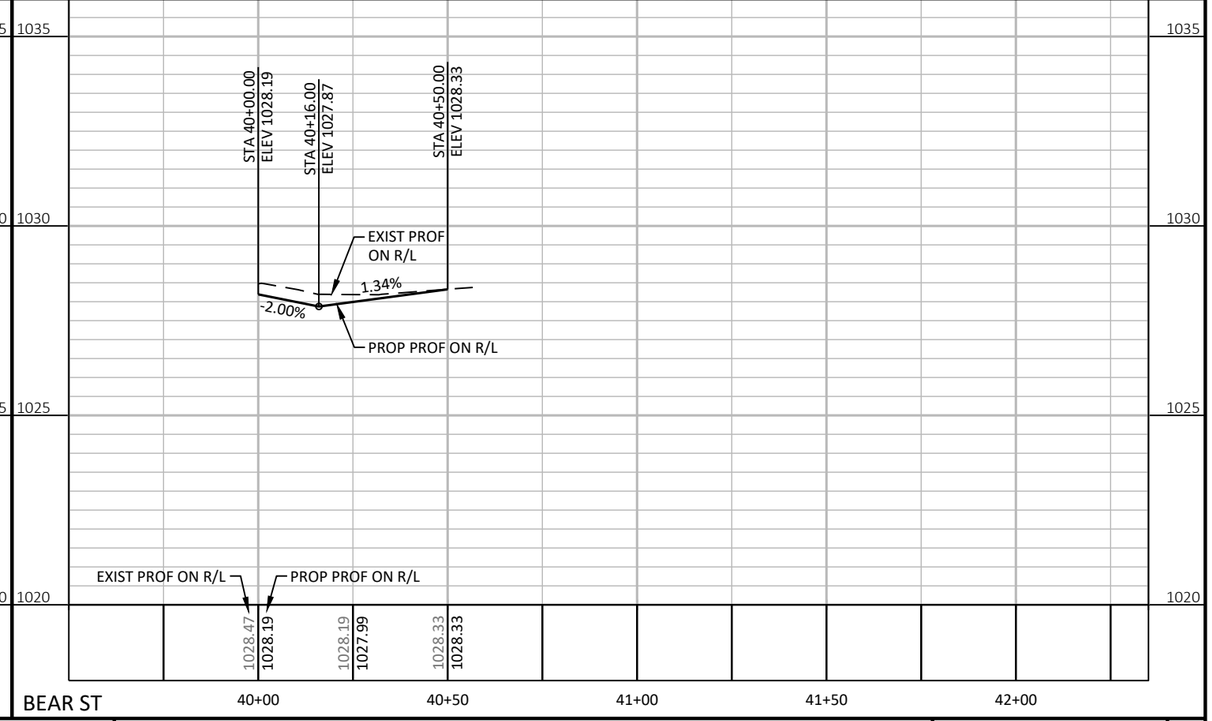
5

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
42	179+03.22	1032.38	"OPEN" ARRW TOP FLNGE OF HYD ON S SIDE OF BEAR ST 170' E OF CTH U

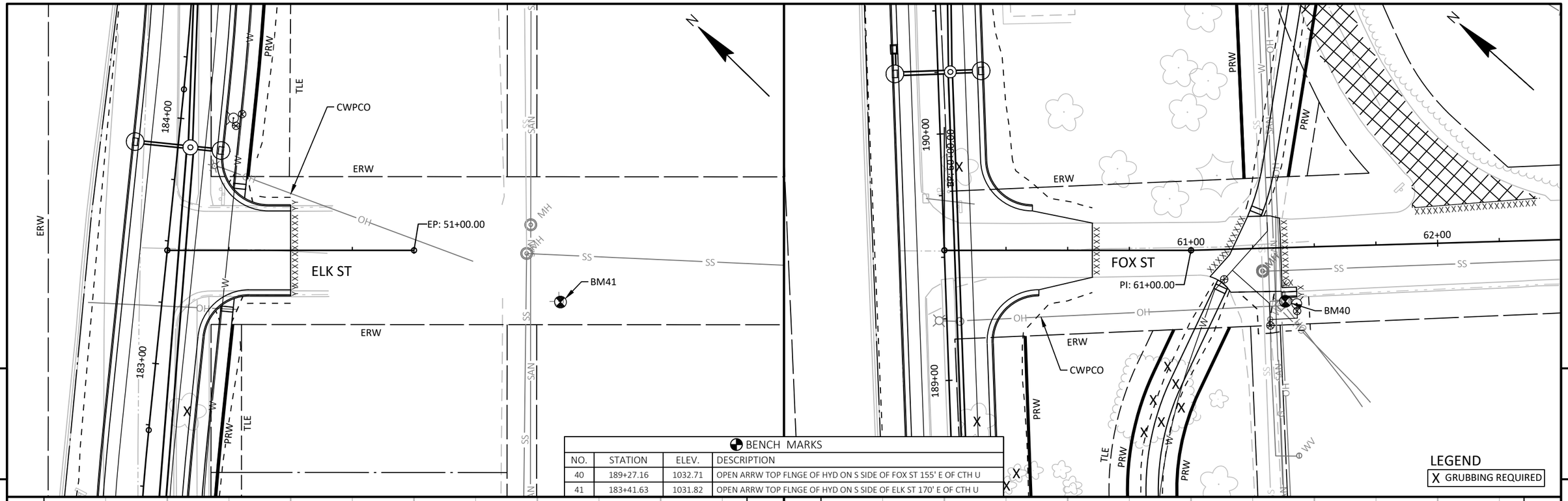
LEGEND

X GRUBBING REQUIRED





PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: SIDEROADS	SHEET 218	E

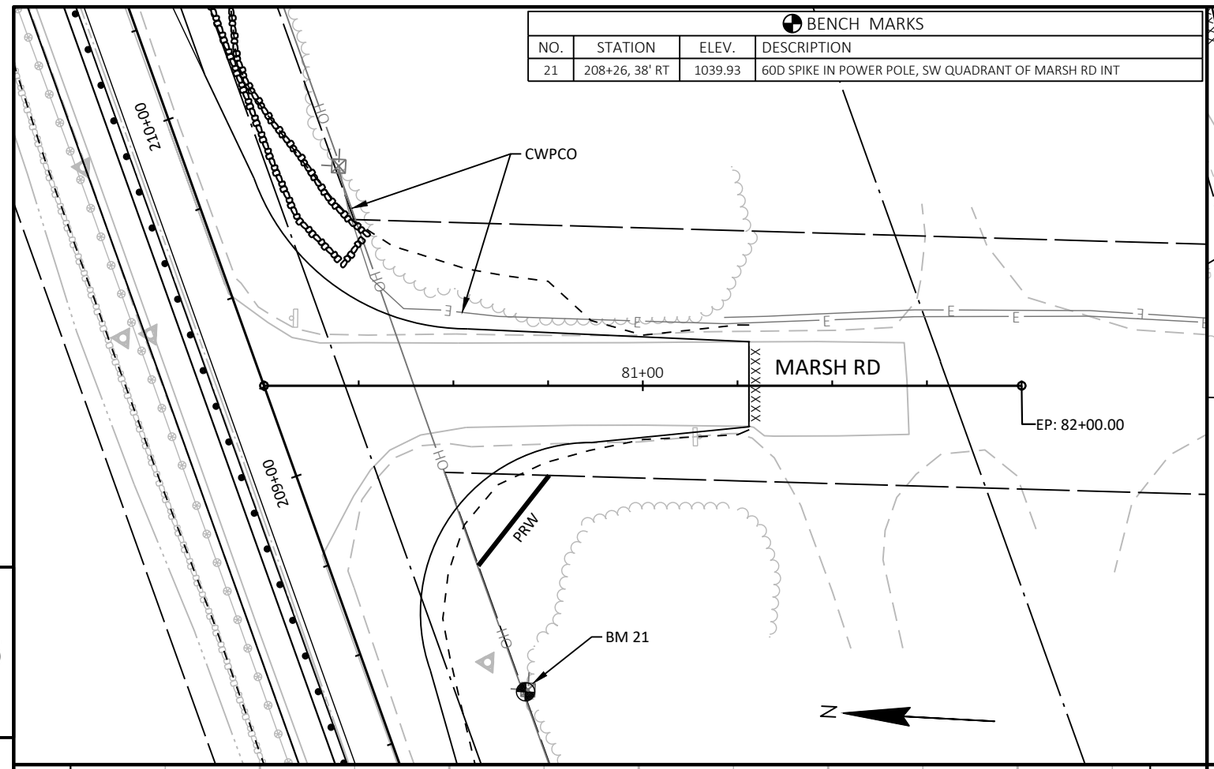


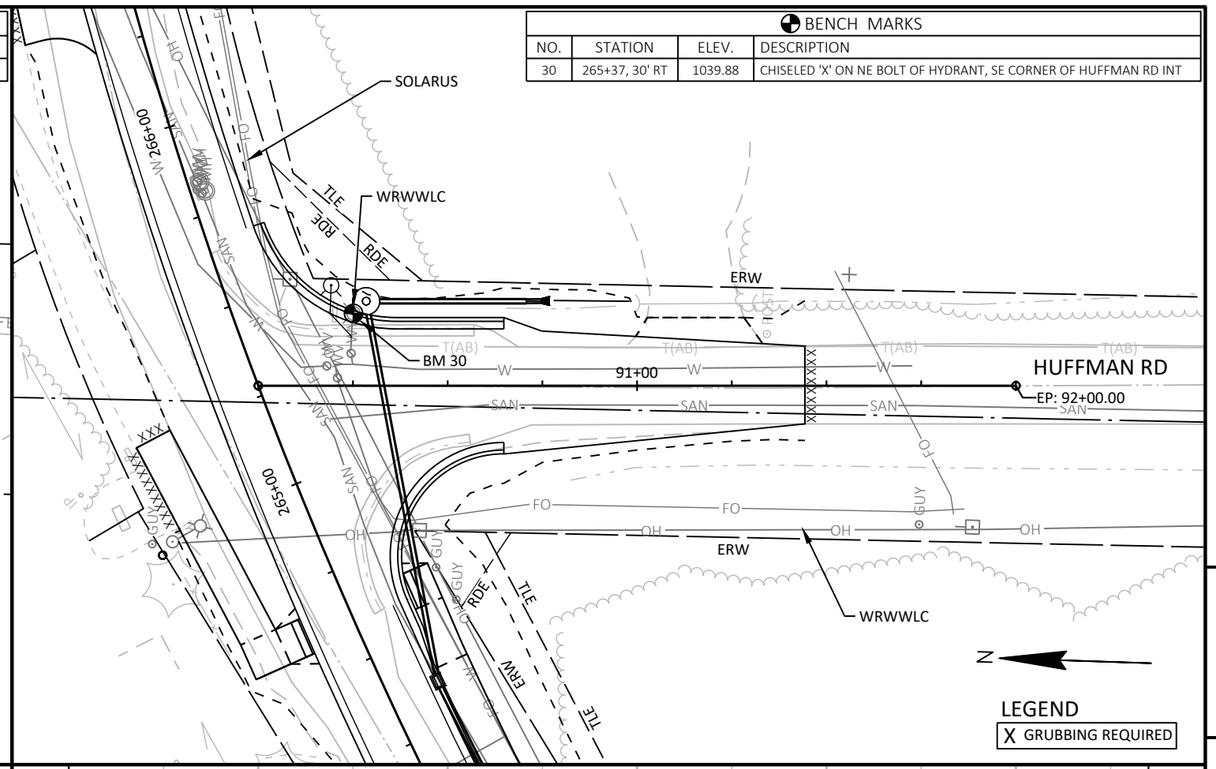
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: SIDEROADS	SHEET 219	E

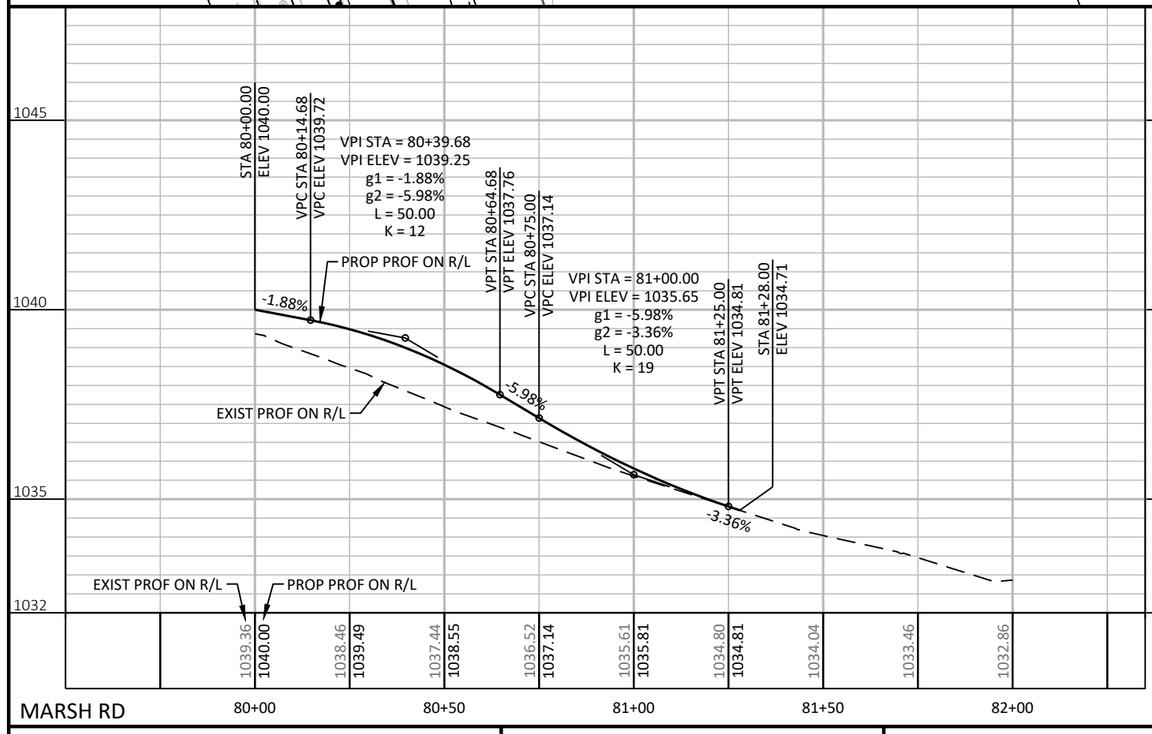
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050101-PP.DWG
LAYOUT NAME - 3001265-050133-pp
PLOT DATE : 12/1/2025 2:01 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

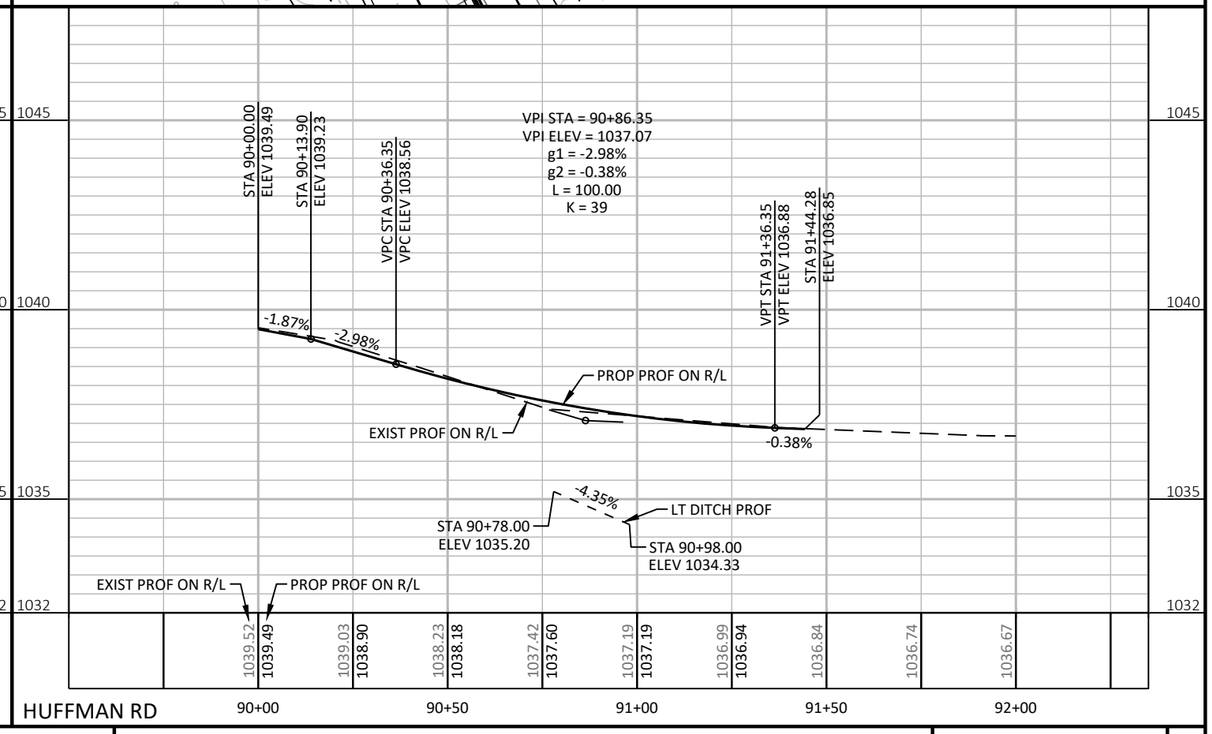
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
21	208+26, 38' RT	1039.93	60D SPIKE IN POWER POLE, SW QUADRANT OF MARSH RD INT

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
30	265+37, 30' RT	1039.88	CHISELED 'X' ON NE BOLT OF HYDRANT, SE CORNER OF HUFFMAN RD INT

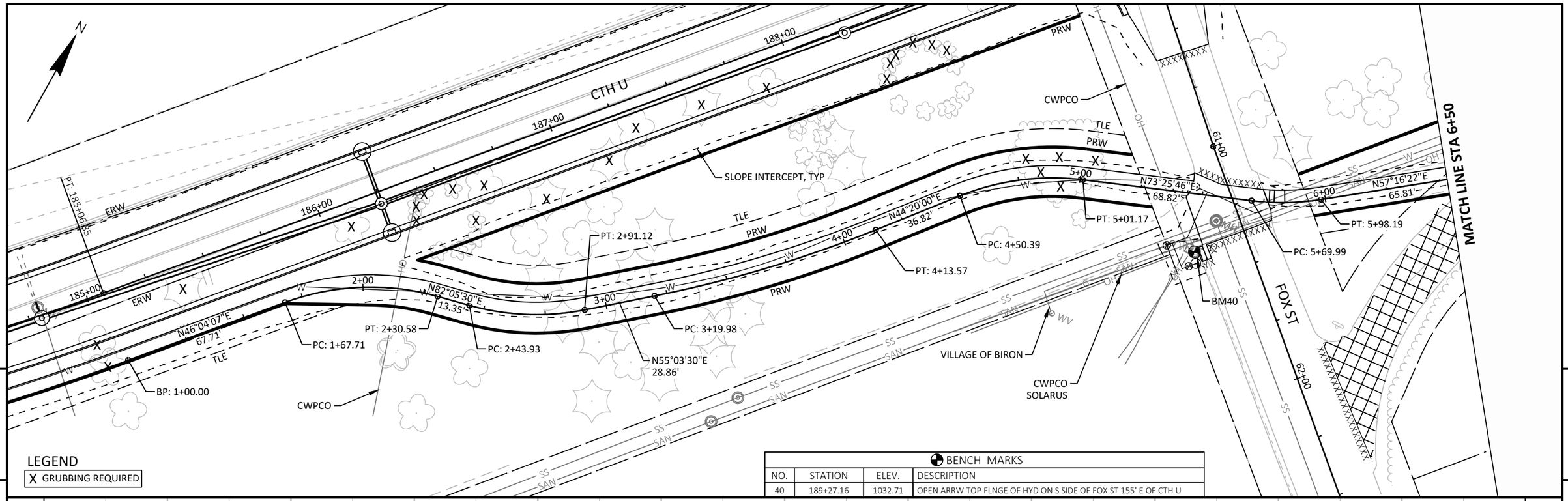








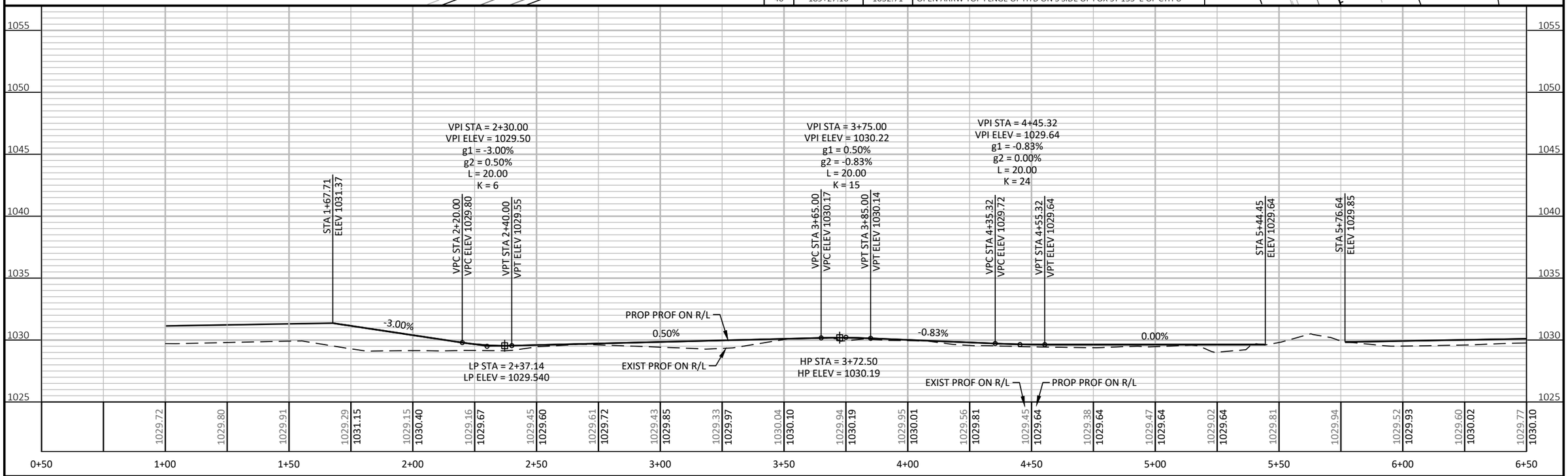
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: SIDEROADS	SHEET 220	E



LEGEND

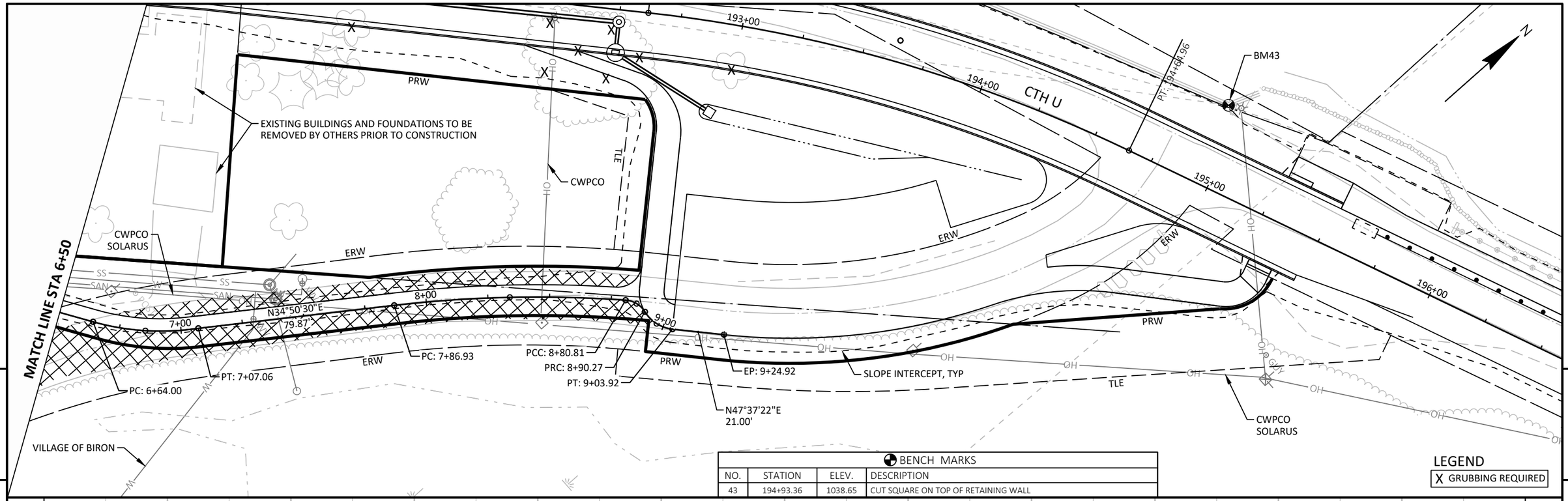
X GRUBBING REQUIRED

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
40	189+27.16	1032.71	OPEN ARRW TOP FLNGE OF HYD ON S SIDE OF FOX ST 155' E OF CTH U



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: OFF ROADWAY SIDEWALK	SHEET 221	E

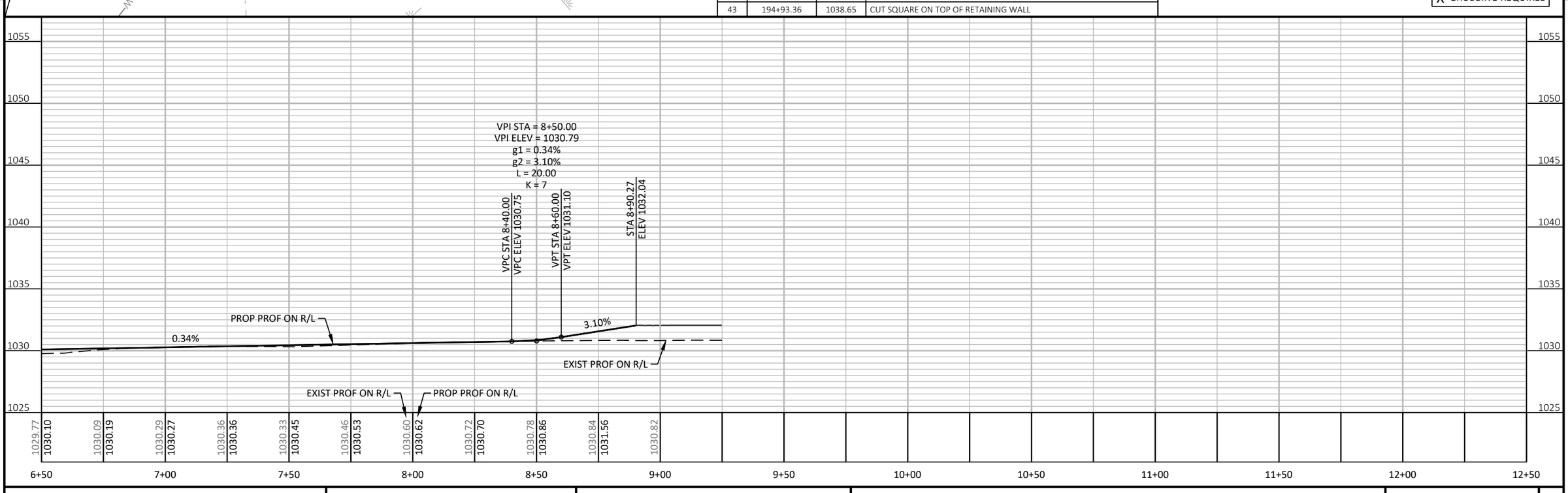
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050150-PP.DWG
LAYOUT NAME - 3001265-050150-pp
PLOT DATE : 12/1/2025 1:55 PM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



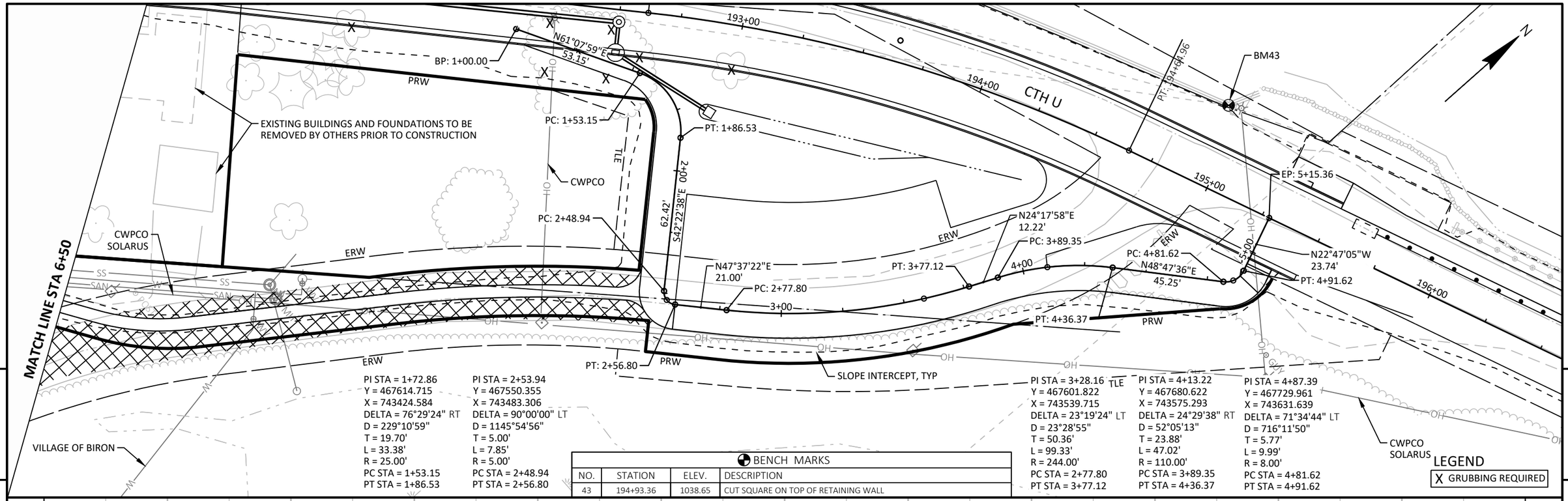
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
43	194+93.36	1038.65	CUT SQUARE ON TOP OF RETAINING WALL

LEGEND

X GRUBBING REQUIRED



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: OFF ROADWAY SIDEWALK	SHEET 222	E



PI STA = 1+72.86
Y = 467614.715
X = 743424.584
DELTA = 76°29'24" RT
D = 229°10'59"
T = 19.70'
L = 33.38'
R = 25.00'
PC STA = 1+53.15
PT STA = 1+86.53

PI STA = 2+53.94
Y = 467550.355
X = 743483.306
DELTA = 90°00'00" LT
D = 1145°54'56"
T = 5.00'
L = 7.85'
R = 5.00'
PC STA = 2+48.94
PT STA = 2+56.80

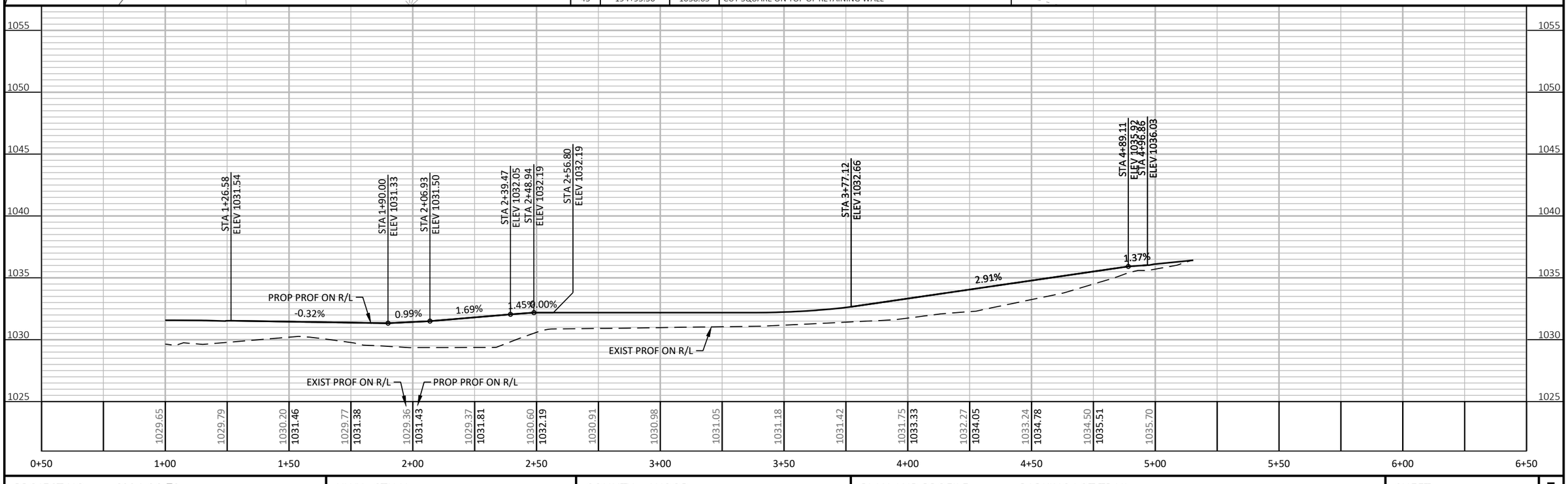
PI STA = 3+28.16
Y = 467601.822
X = 743539.715
DELTA = 23°19'24" LT
D = 23°28'55"
T = 50.36'
L = 99.33'
R = 244.00'
PC STA = 2+77.80
PT STA = 3+77.12

PI STA = 4+13.22
Y = 467680.622
X = 743575.293
DELTA = 24°29'38" RT
D = 52°05'13"
T = 23.88'
L = 47.02'
R = 110.00'
PC STA = 3+89.35
PT STA = 4+36.37

PI STA = 4+87.39
Y = 467729.961
X = 743631.639
DELTA = 71°34'44" LT
D = 716°11'50"
T = 5.77'
L = 9.99'
R = 8.00'
PC STA = 4+81.62
PT STA = 4+91.62

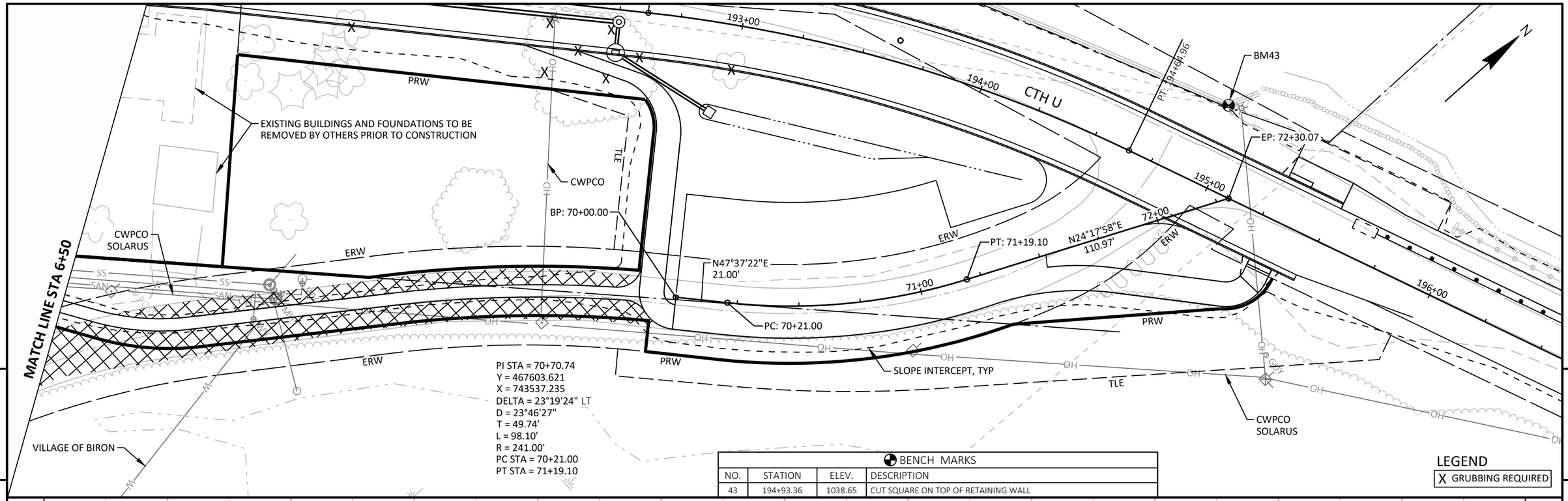
BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
43	194+93.36	1038.65	CUT SQUARE ON TOP OF RETAINING WALL



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: PARKING LOT TRAIL

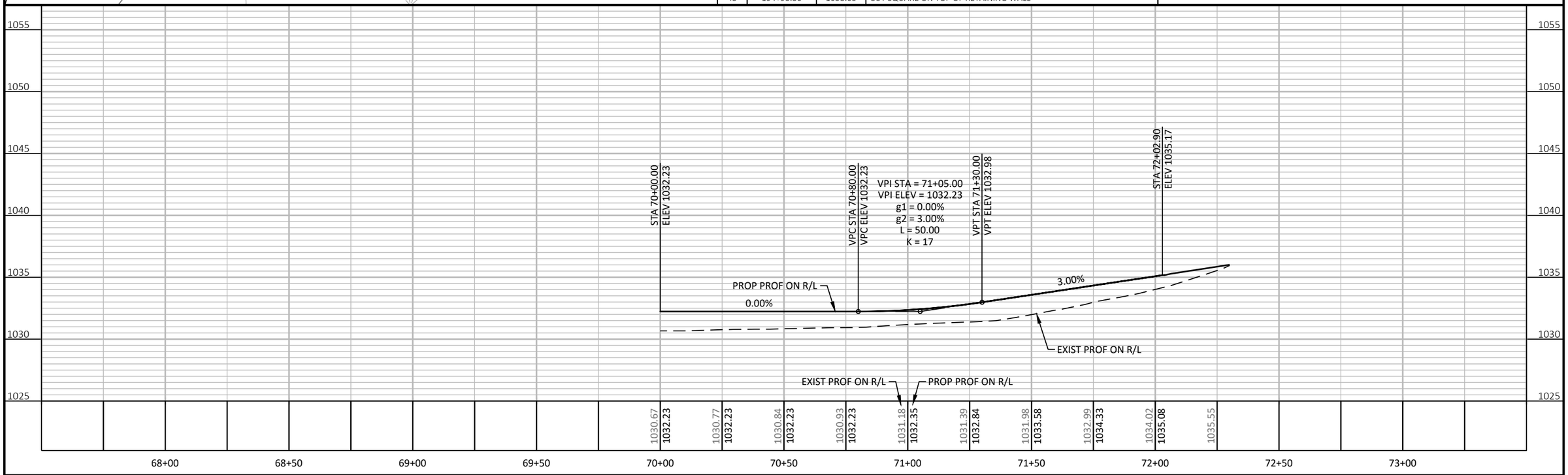
SHEET 223 E



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
43	194+93.36	1038.65	CUT SQUARE ON TOP OF RETAINING WALL

LEGEND

X GRUBBING REQUIRED



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	PLAN AND PROFILE: PARKING LOT	SHEET 224	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-050150-PP.DWG
LAYOUT NAME - 3001265-050153-pp
PLOT DATE : 12/8/2025 10:55 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

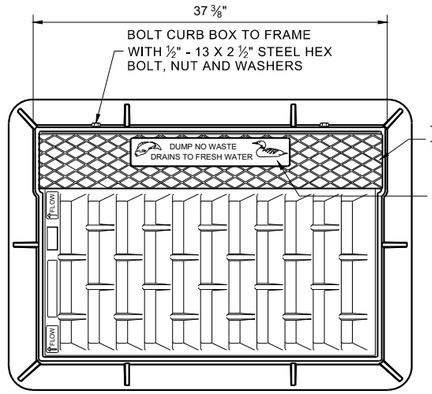
Standard Detail Drawing List

08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-03	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPES 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-05	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D20-02	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B52-03A	CABLE BARRIER TYPE 1 LAYOUT
14B52-03B	CABLE BARRIER TYPE 1 LAYOUT
14B52-03C	CABLE BARRIER TYPE 1 LAYOUT
14B53-03A	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03B	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03C	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03D	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03E	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03F	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03G	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03H	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03I	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-16A	PAVEMENT MARKING SYMBOLS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

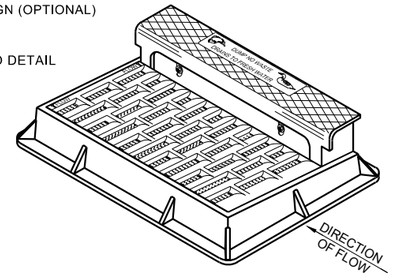
6

Standard Detail Drawing List

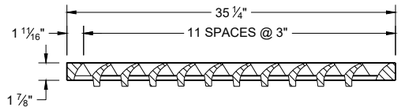
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

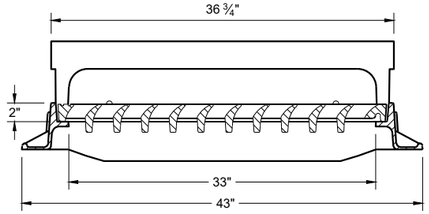


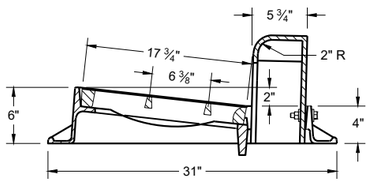
NOTE: EITHER CASTING IS ACCEPTABLE

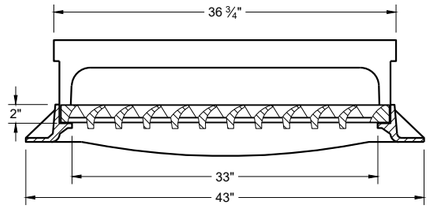


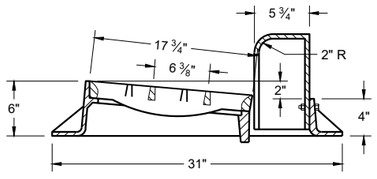
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







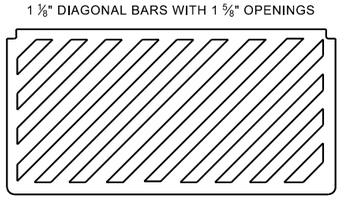




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

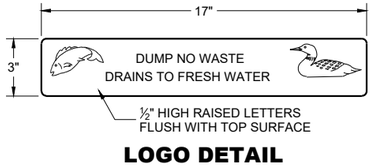
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



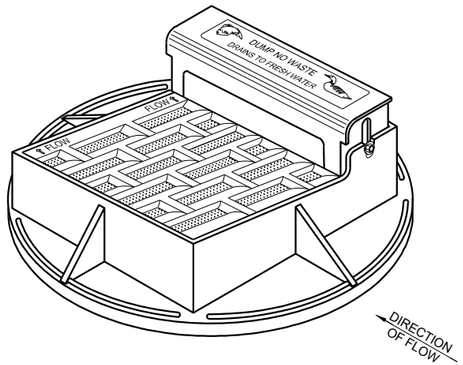
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

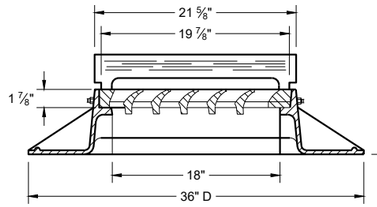


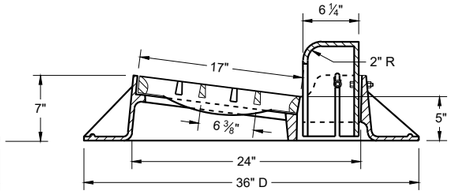
LOGO DETAIL



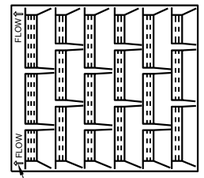
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE

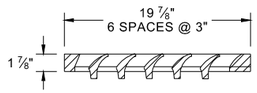




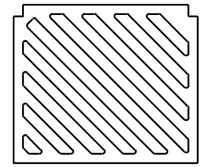
TYPE "A"



DIRECTION OF FLOW ARROWS



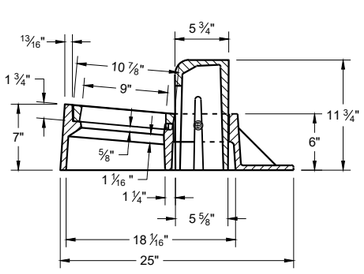
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



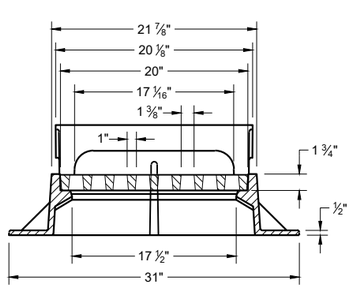
SPECIAL GRATE FOR TYPE "A" COVER

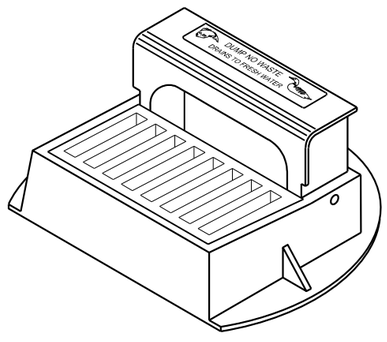
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





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.

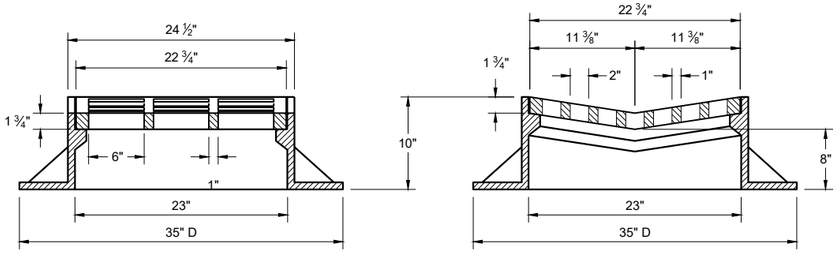
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

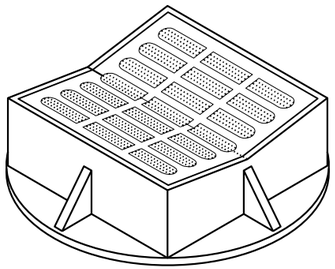
INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

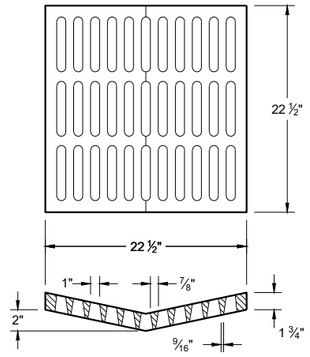
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6
SDD 08A05-22a





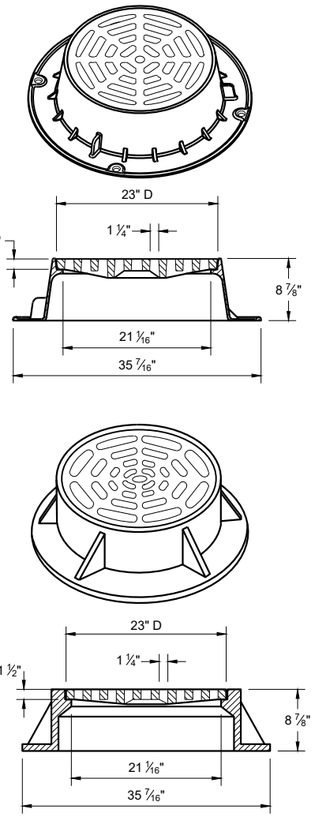
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

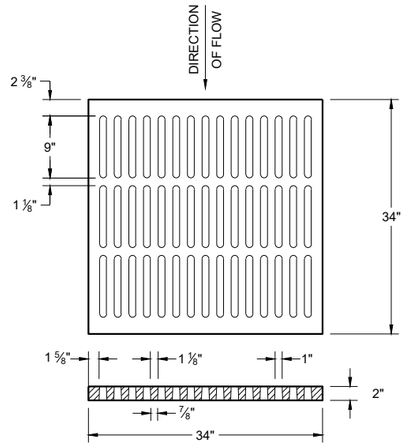
NOTE: EITHER CASTING IS ACCEPTABLE

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.

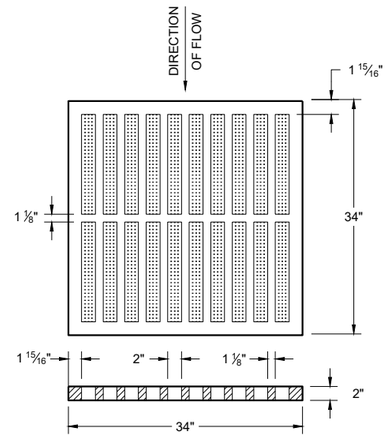
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

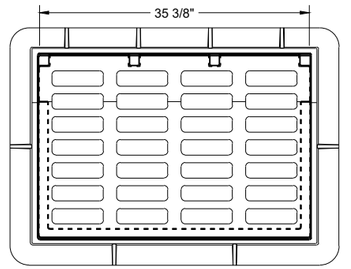
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

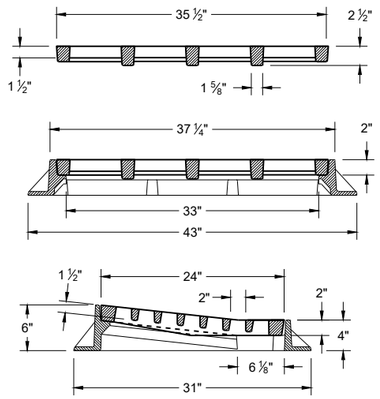


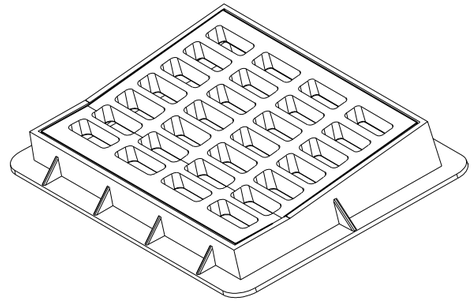
TYPE "MS"

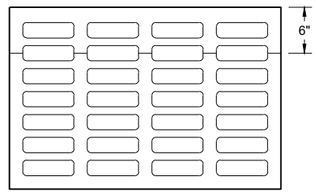
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



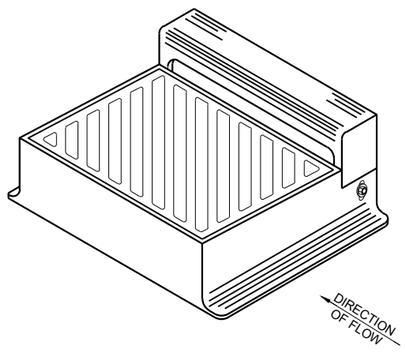




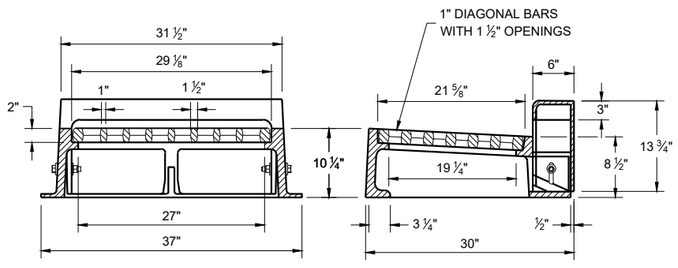


TYPE "DW"

NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

STATE OF WISCONSIN
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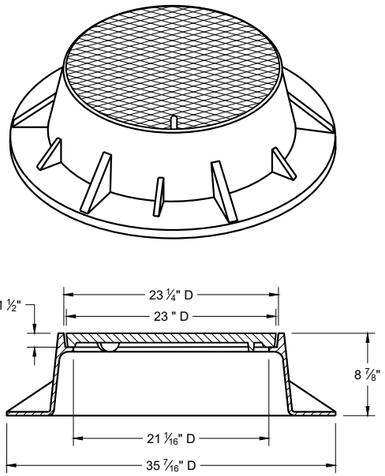
SDD 08A05-22b

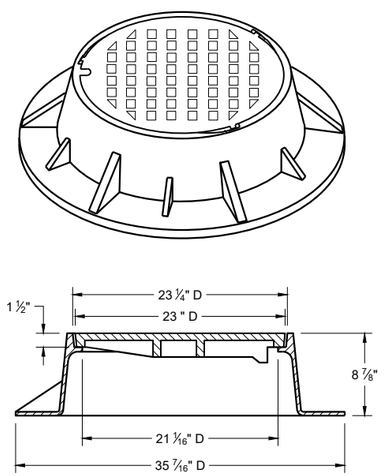
GENERAL NOTES

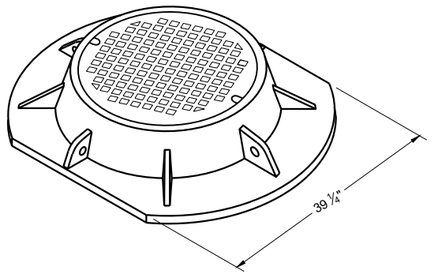
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

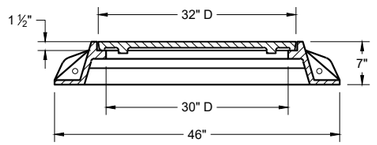
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

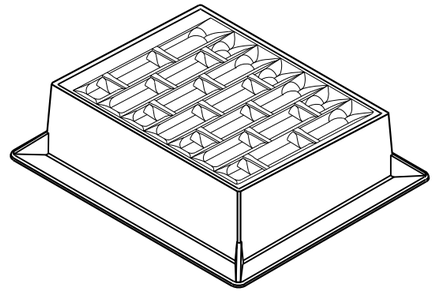


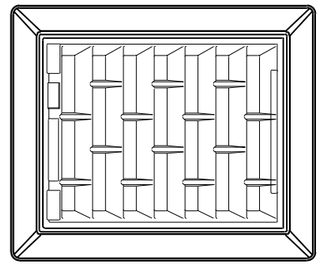


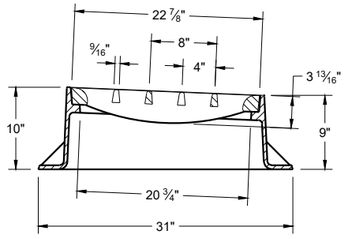


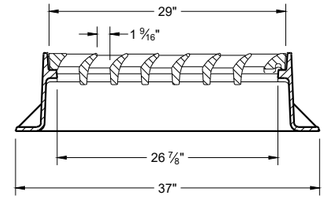


TYPE "K"

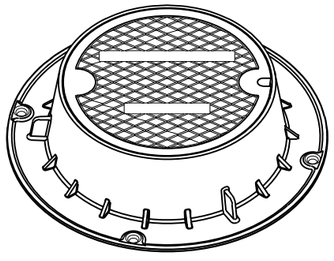


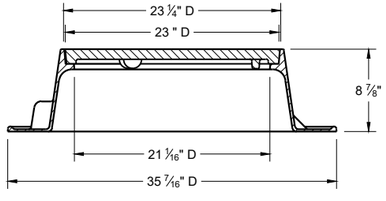






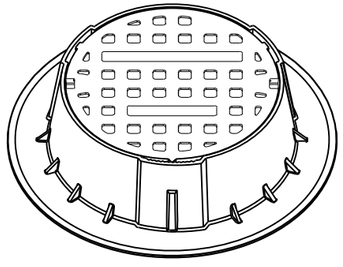
INLET COVER TYPE "BW"

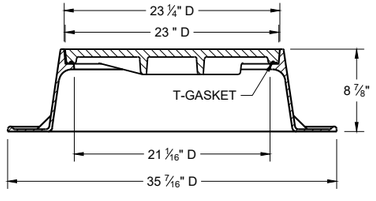




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

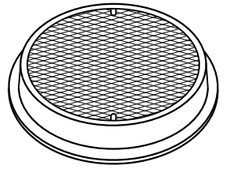


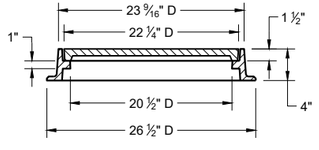


TYPE "J" SPECIAL

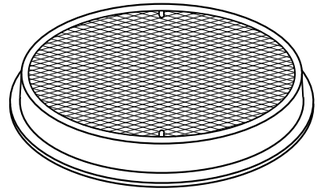
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

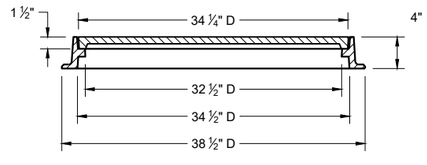
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

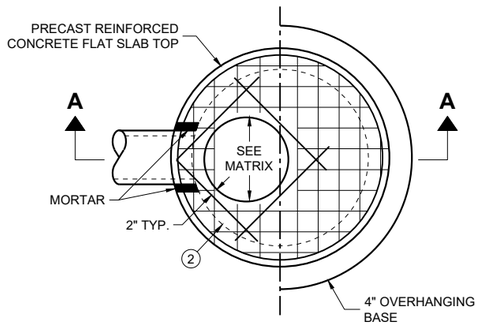
STATE OF WISCONSIN
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February 2025 — DATE
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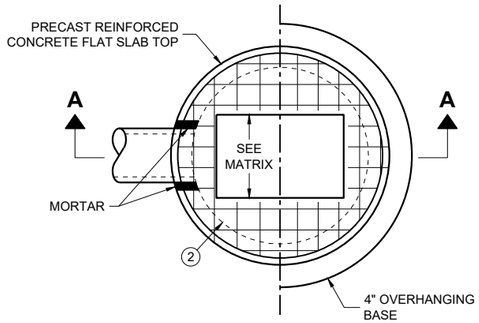
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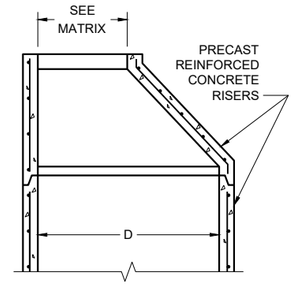
SDD 08A05-22e



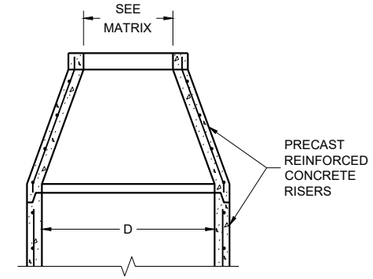
PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

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

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 FOUNDATION 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.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE 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 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 PERMITTED 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 "D".

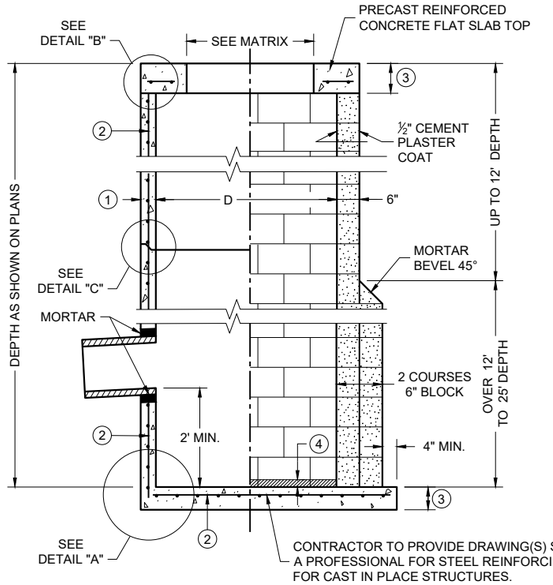
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES 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.

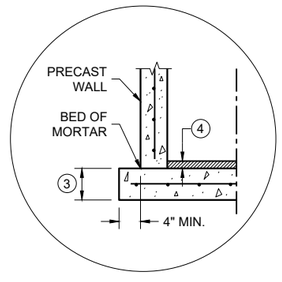
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



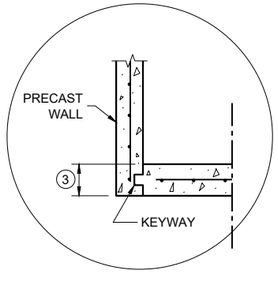
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

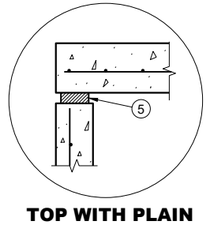


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

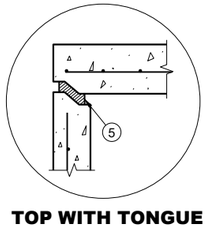


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

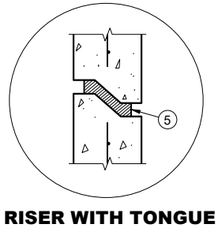
DETAIL "A"



TOP WITH PLAIN END JOINT

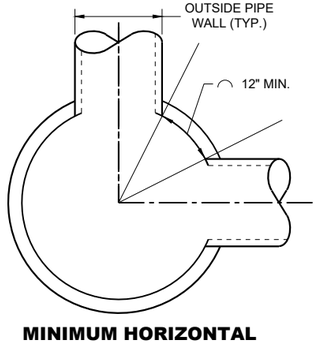


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

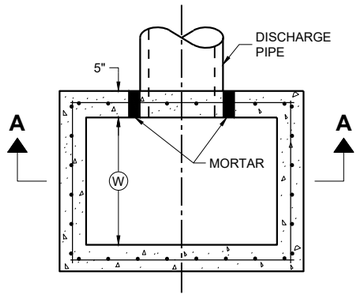
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

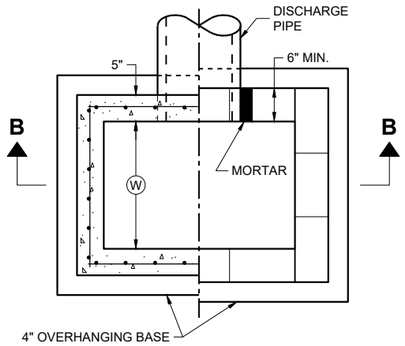
FHWA

SDD 08A08-03

SDD 08A08-03



PLAN VIEW



PLAN VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T 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 FOUNDATION 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 AND REINFORCED CONCRETE BASES 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.

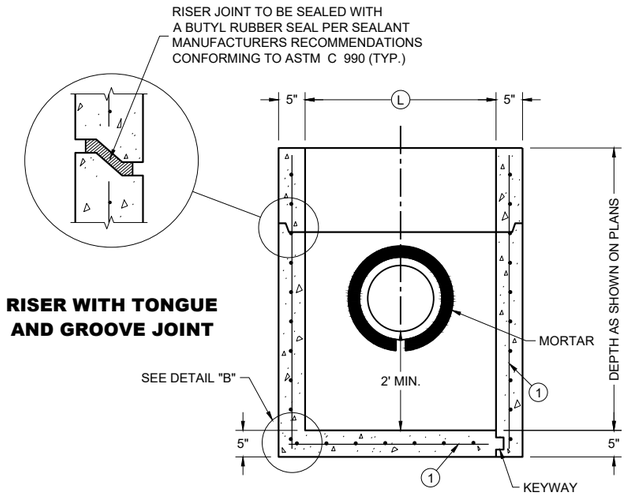
(3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE	
			F	ALL H'S
2 X 3-FT	2	3		X
2.5 X 3-FT	2.5	3	X	

PIPE MATRIX

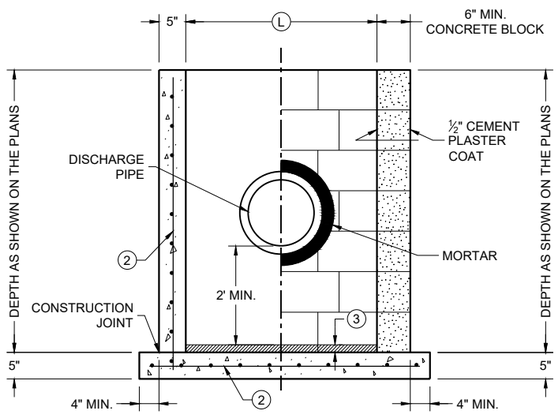
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER (IN)	
	WIDTH (W)(IN)	LENGTH (L)(IN)
2 X 3-FT	12	24
2.5 X 3-FT	18	24



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

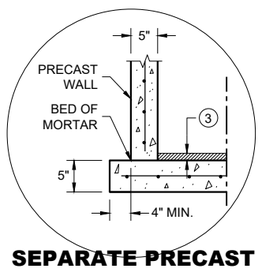
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

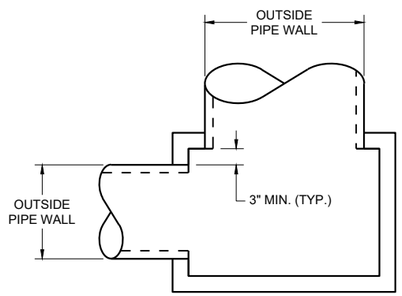
CONCRETE BLOCK ON CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

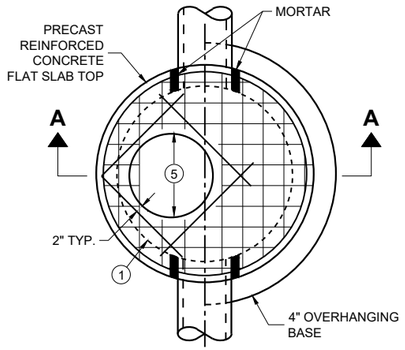
CATCH BASINS
2 X 3-FT AND 2.5 X 3-FT

STATE OF WISCONSIN
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December 2023 /S/ RODNEY TAYLOR
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVIS

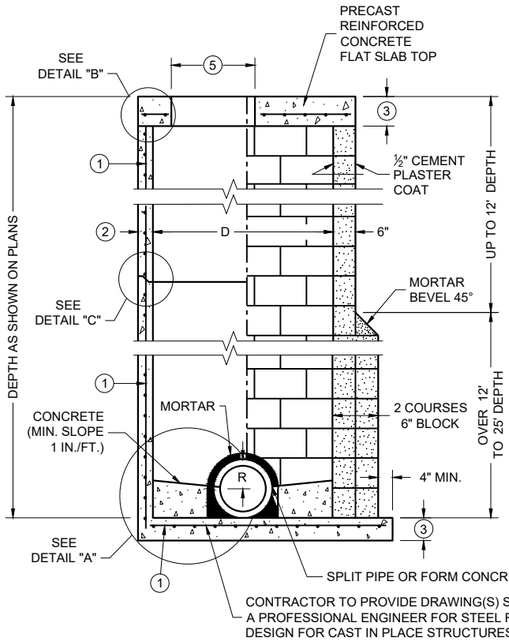
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PLAN VIEW

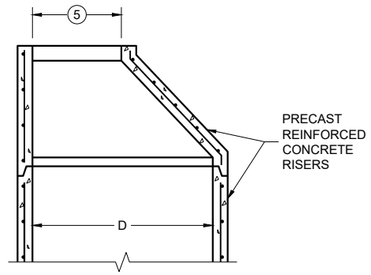
CIRCULAR OPENING



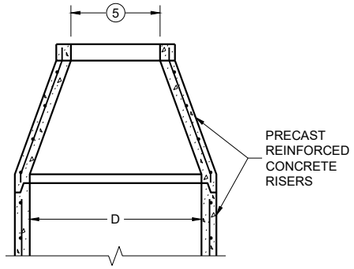
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

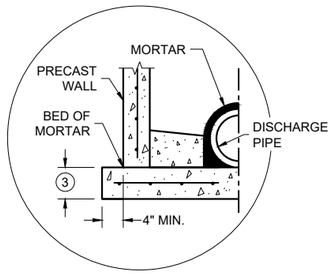
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



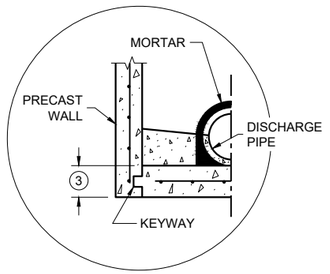
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

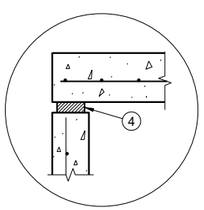


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

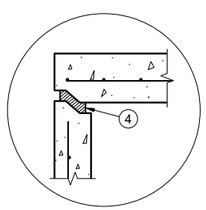


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

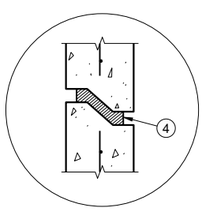
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION 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.

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 FOUNDATION 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.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. 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 IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ 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 MANHOLE 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 PERMITTED 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 "D".

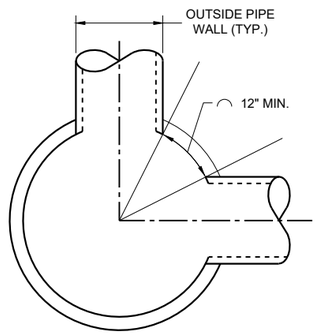
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 /S/ Rodney Taylor
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

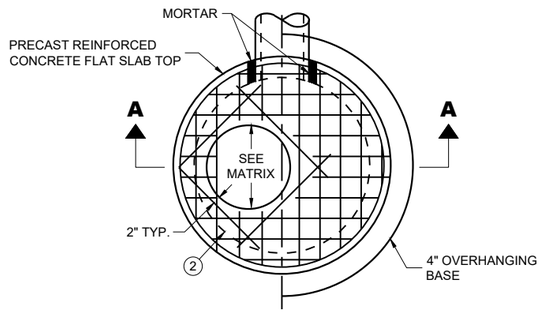
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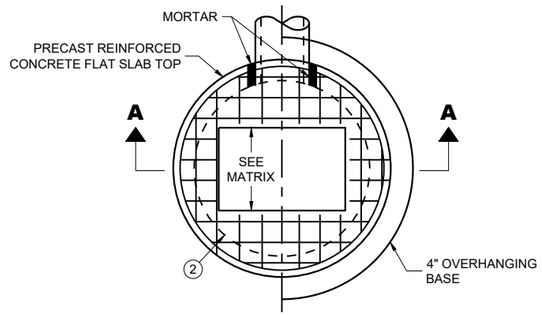
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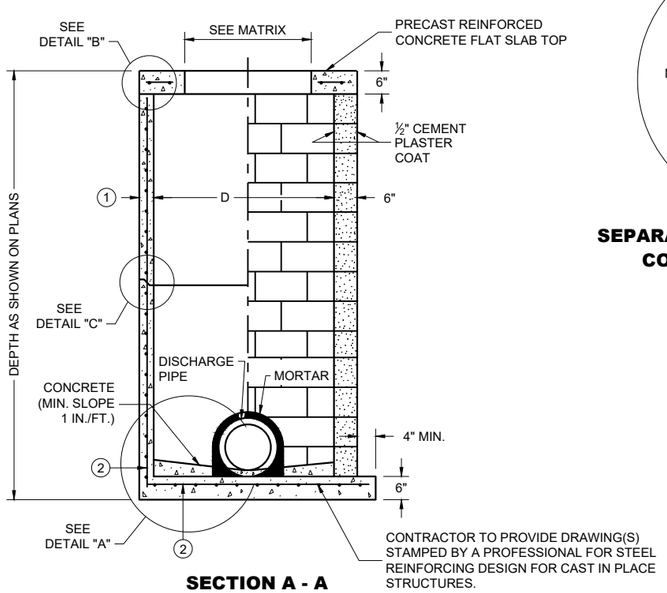
SDD 08B09-04



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

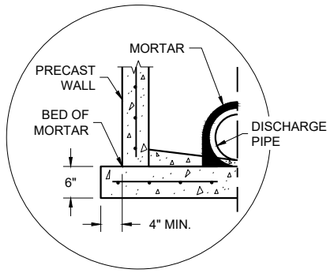
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

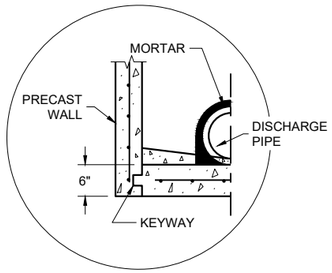
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

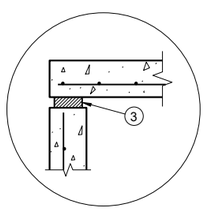


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

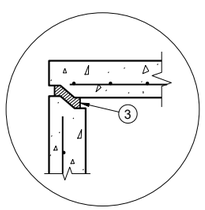


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

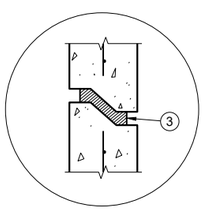
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "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.

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 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 FOUNDATION 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.

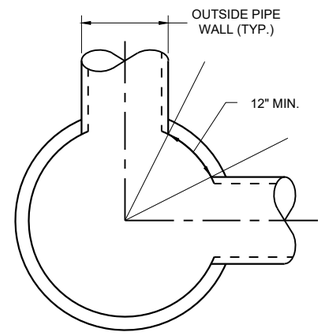
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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 "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

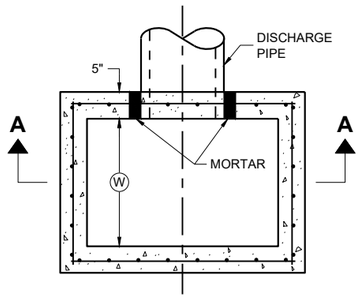
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

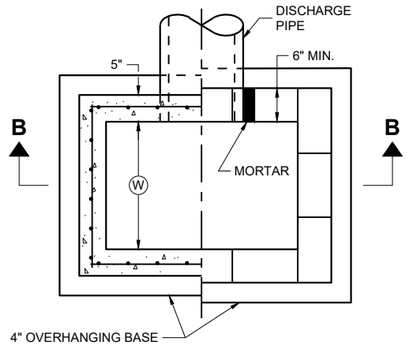
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

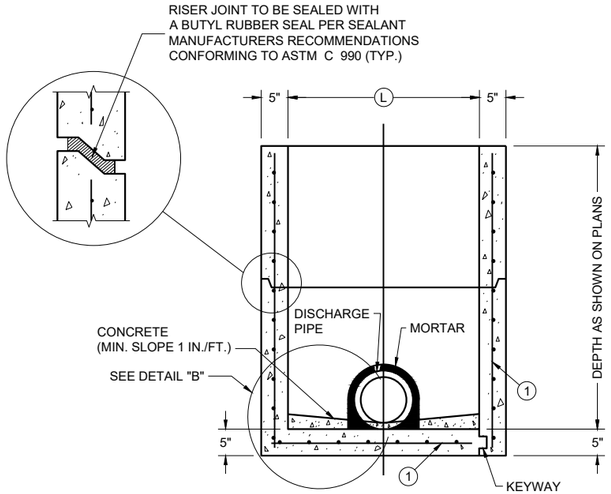
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SDD 08C06-03



PLAN VIEW



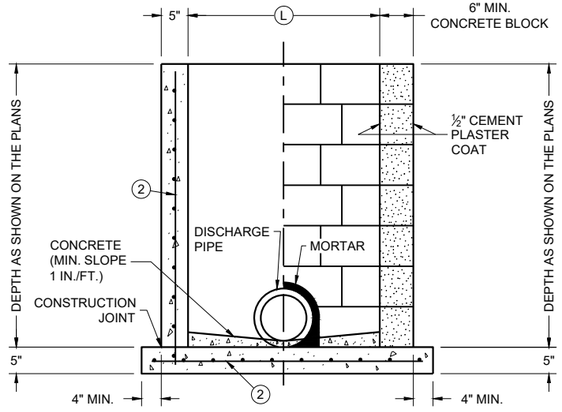
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

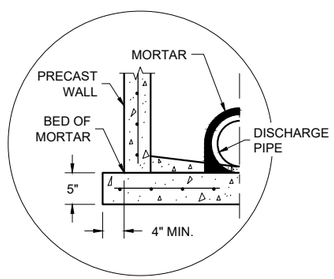
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

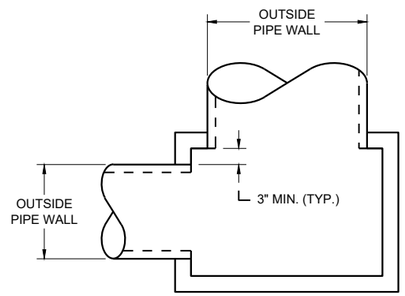
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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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 FOUNDATION 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 INLETS AND REINFORCED CONCRETE BASES 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.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

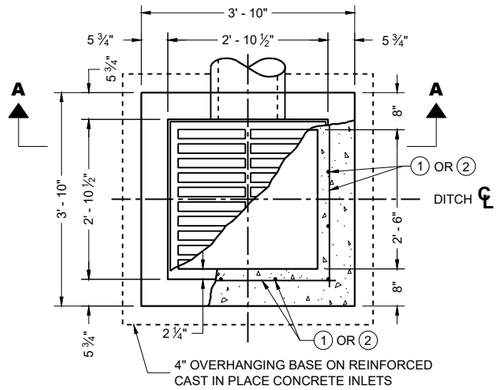
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

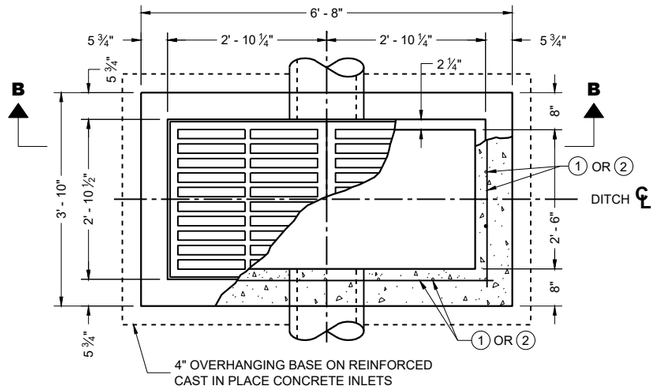
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

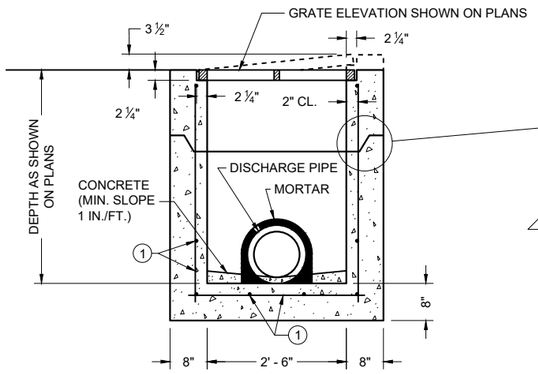
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SDD 08C07-03



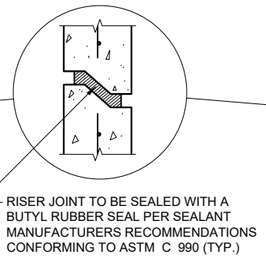
PLAN VIEW

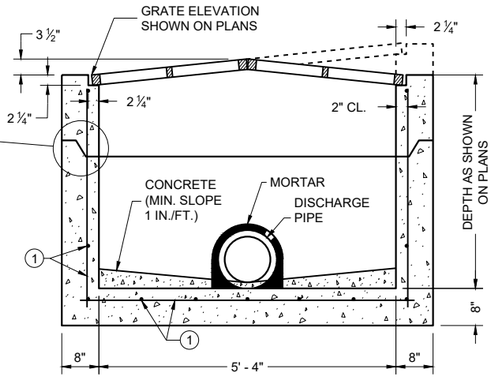


PLAN VIEW

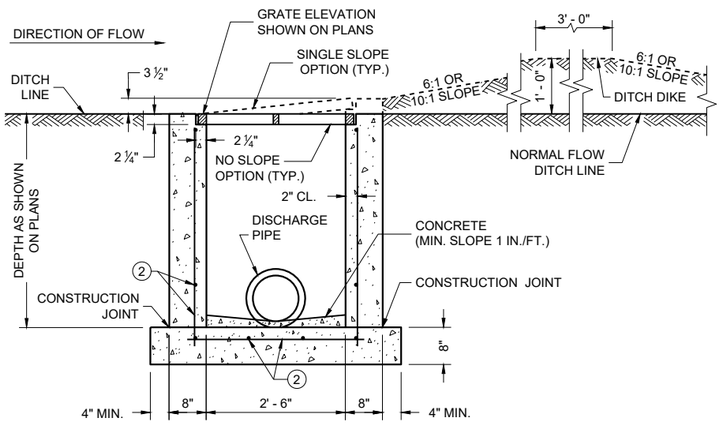


PRECAST REINFORCED CONCRETE SECTION A - A



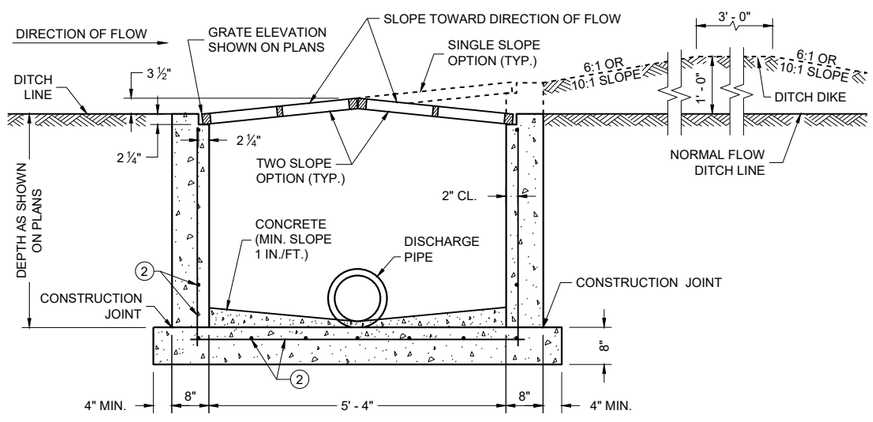


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T 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.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

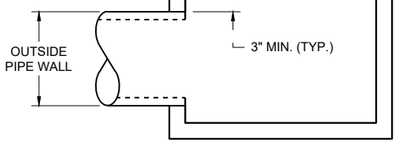
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

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 AND REINFORCED CONCRETE BASES 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.



DETAIL "A"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42

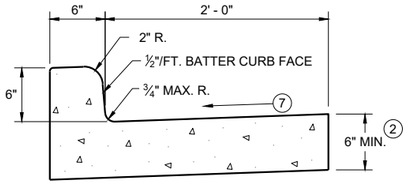
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

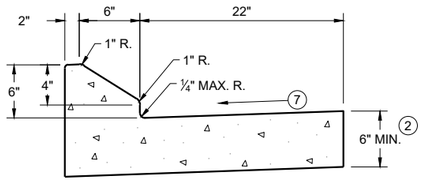
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

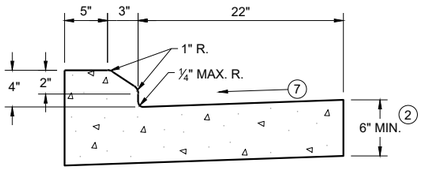
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SDD 08C08-03



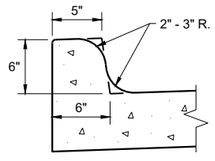
TYPES A (1) & D



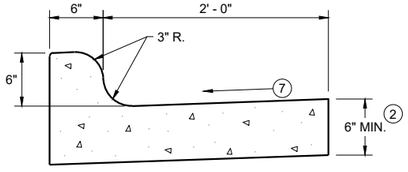
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

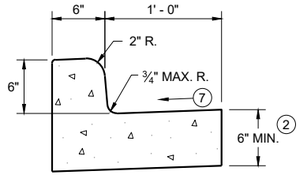


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



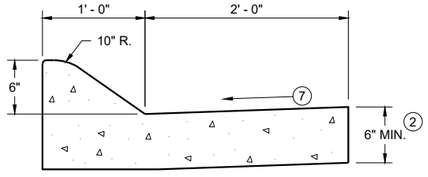
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

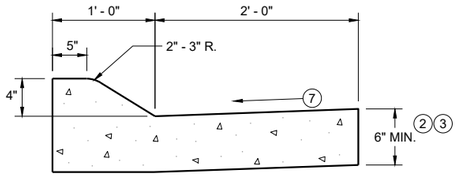


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

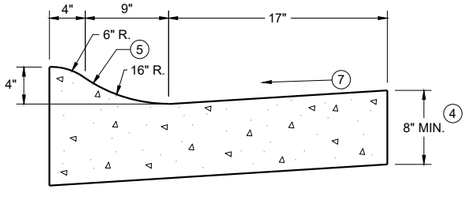


6" SLOPED CURB TYPES A (1) & D



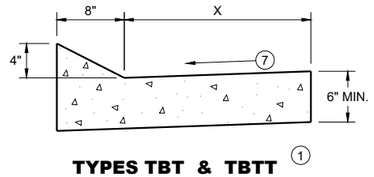
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

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

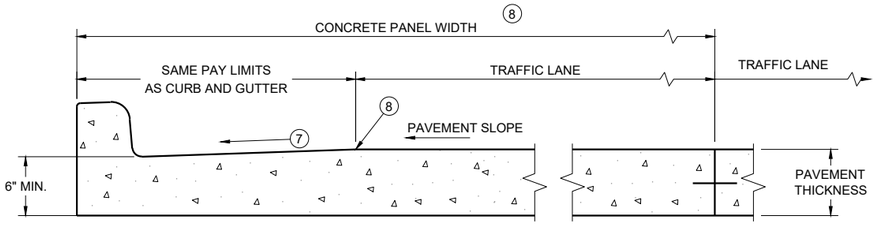


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

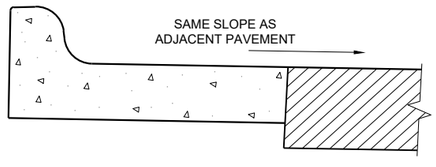
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION 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 AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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 GUTTERS 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) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) 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.

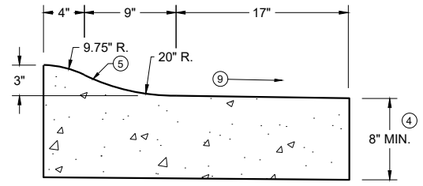
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

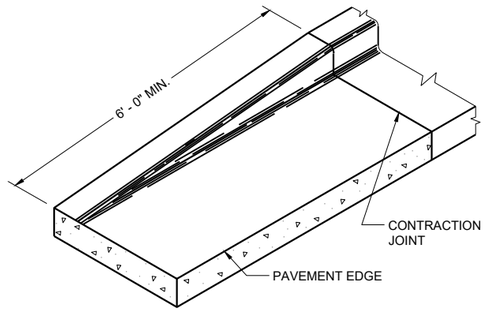
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



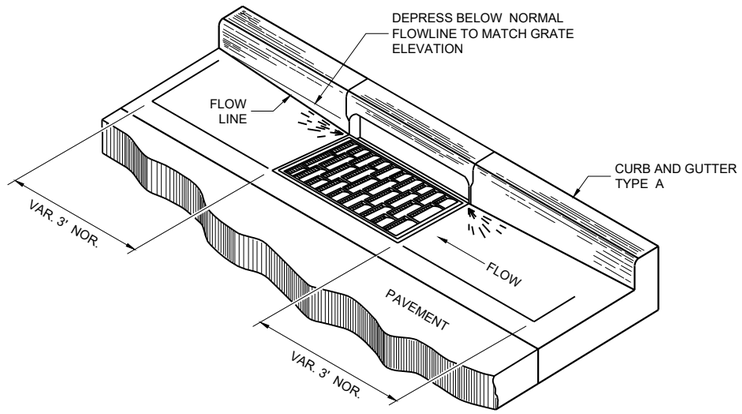
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION 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.

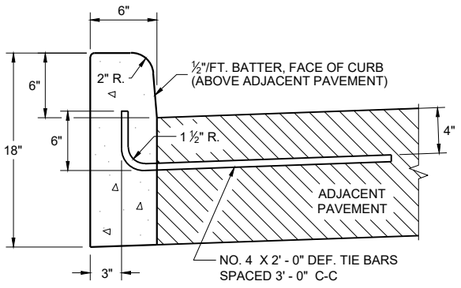
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

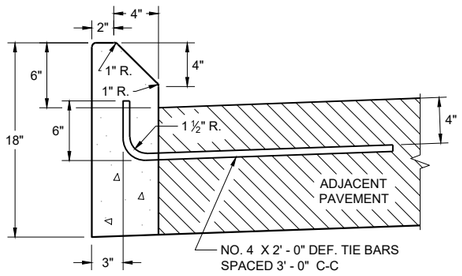
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

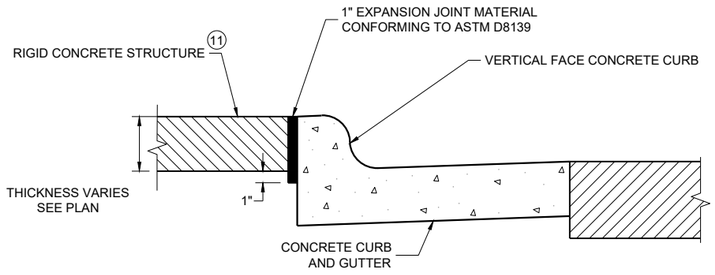


TYPES A (1) & D

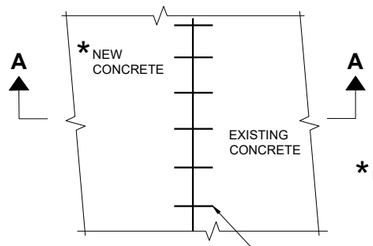


TYPES G (1) & J

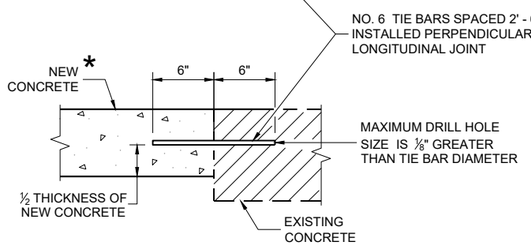
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

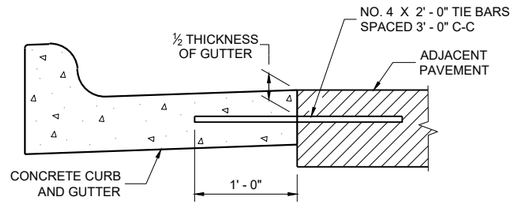


PLAN VIEW

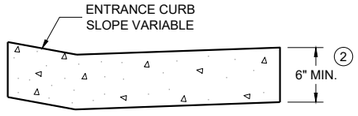


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

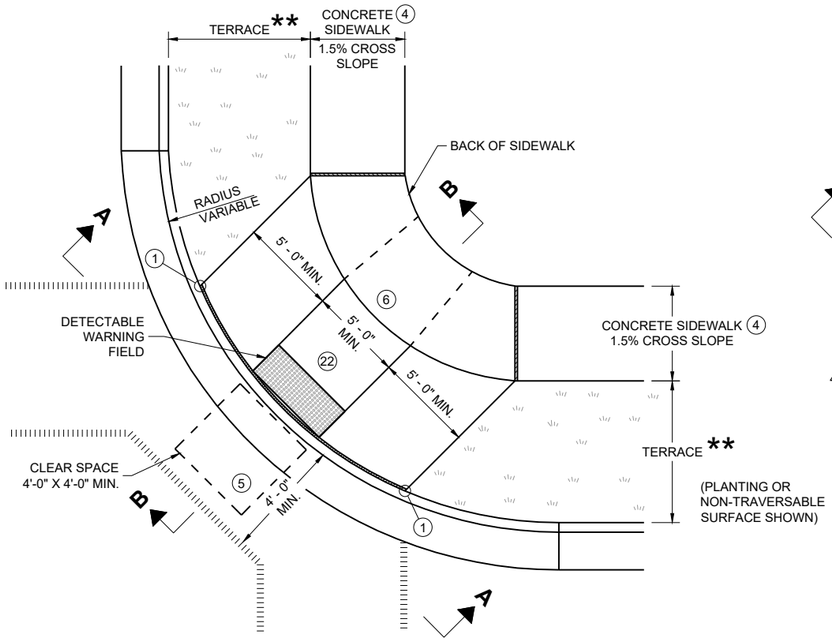
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

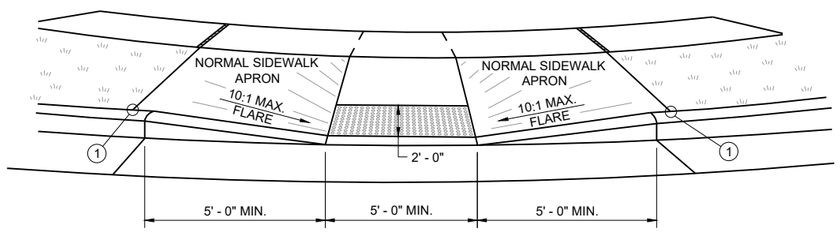
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SDD 08D01-24b



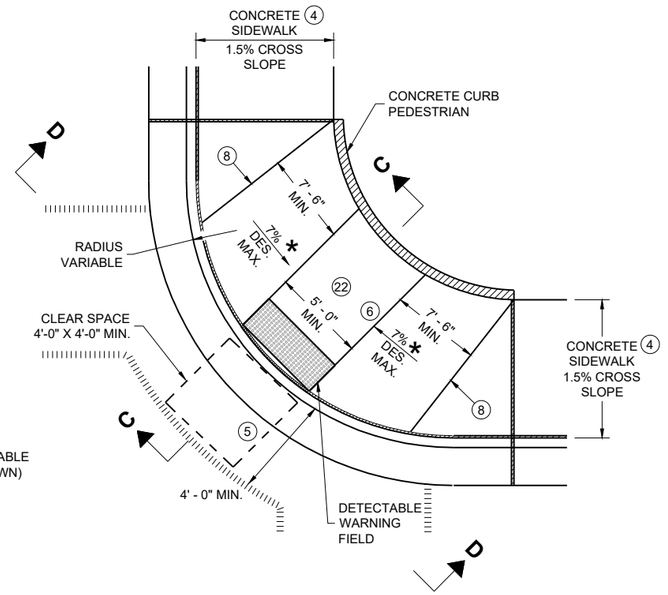
PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



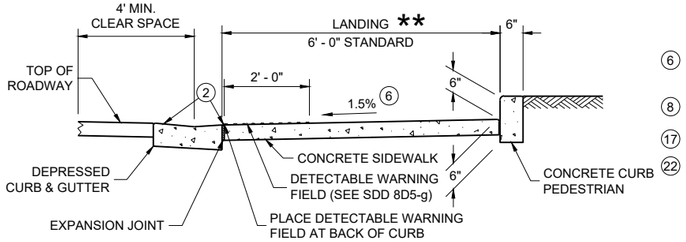
VIEW A - A FOR TYPE 1



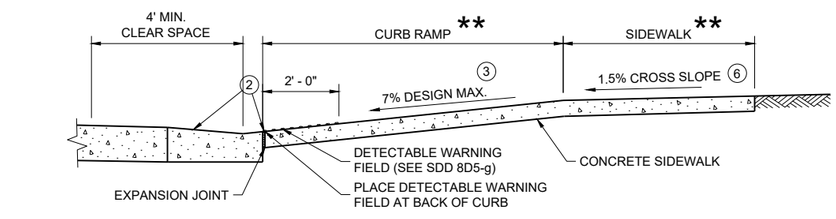
PLAN VIEW

CURB RAMP TYPE 1 - A

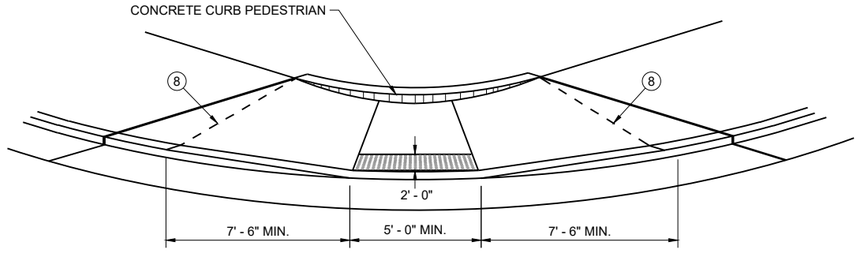
(NO TERRACE)



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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 CURB RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB RAMP.

DETECTABLE WARNING FILED 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 LINEAR 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 CURB RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

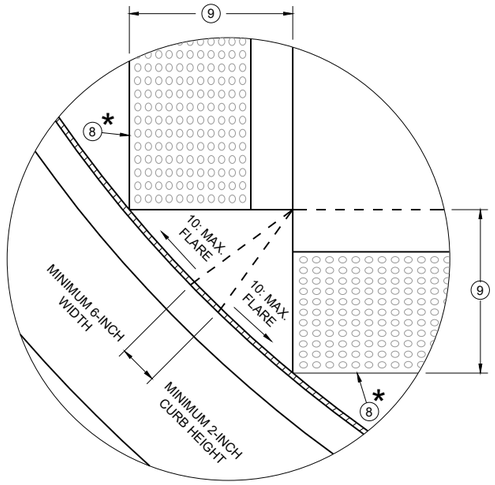
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

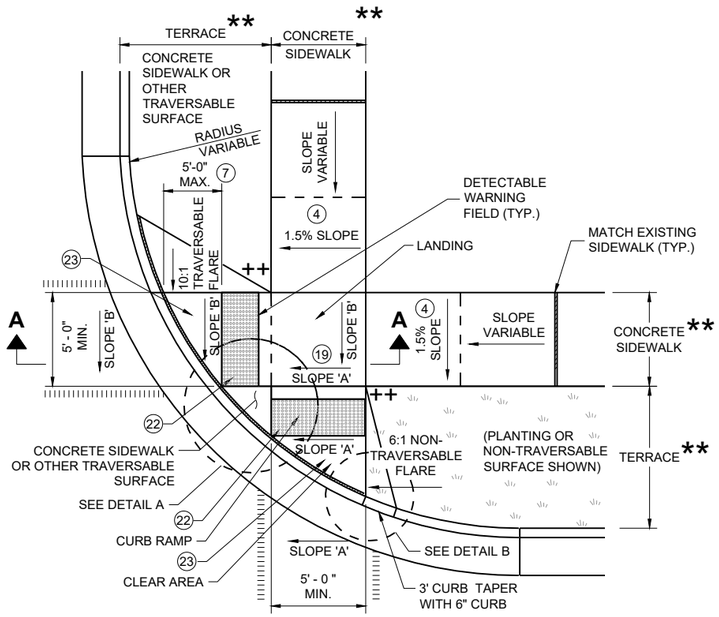
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



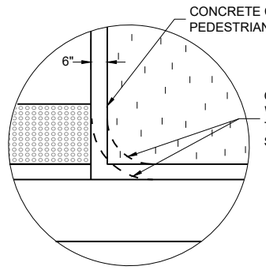
DETAIL A



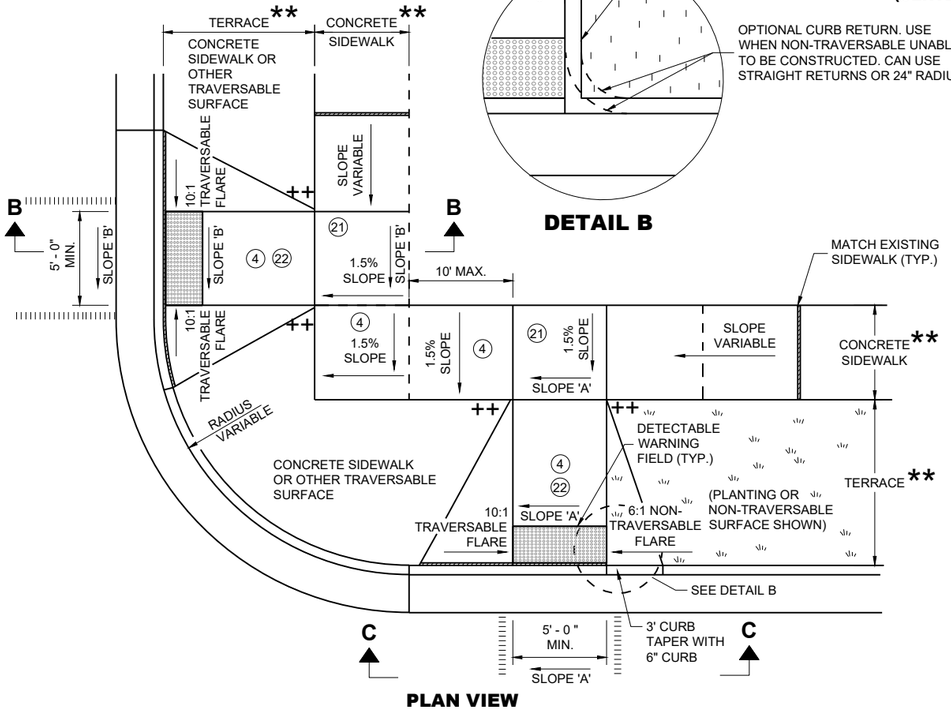
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



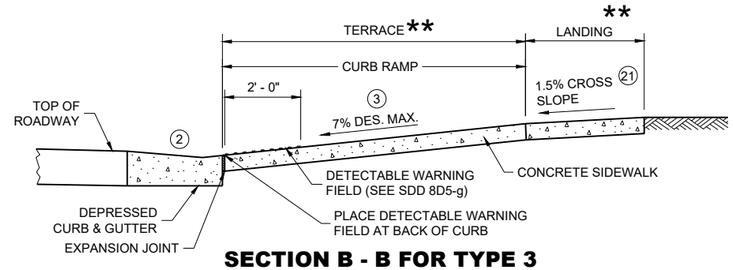
DETAIL B



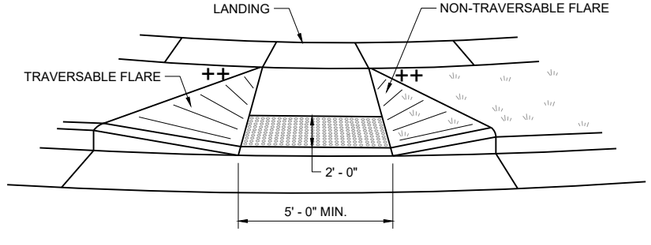
PLAN VIEW

CURB RAMP TYPE 3

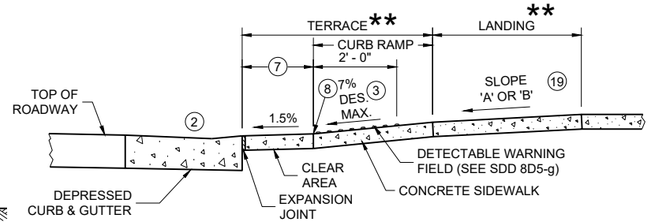
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

LEGEND

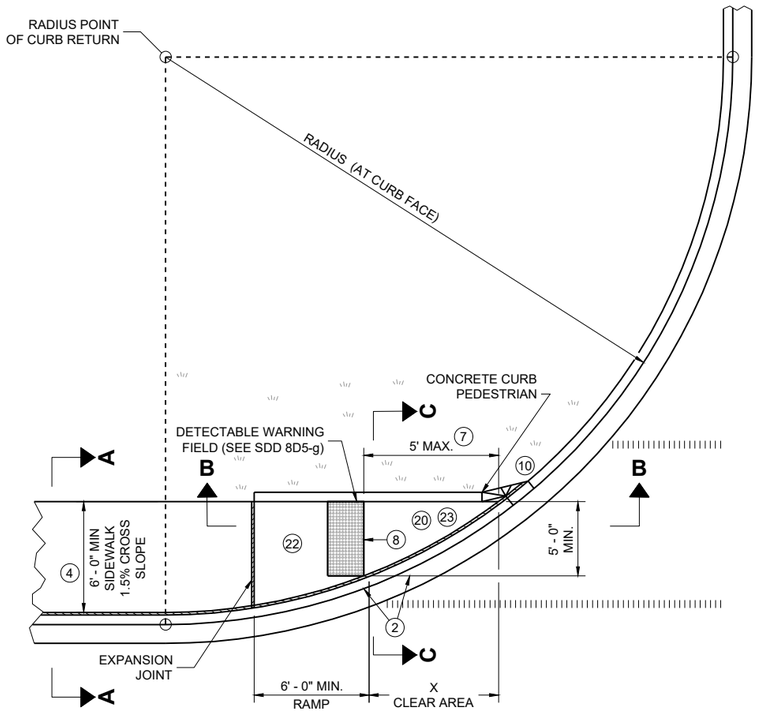
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

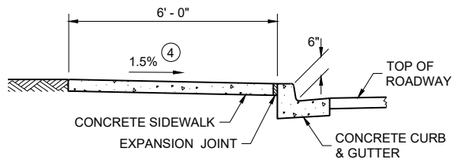
6

SDD 08D05-22b

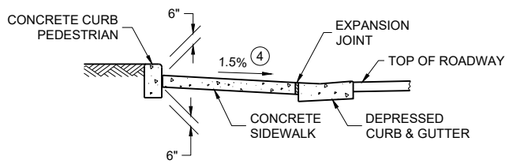


PLAN VIEW

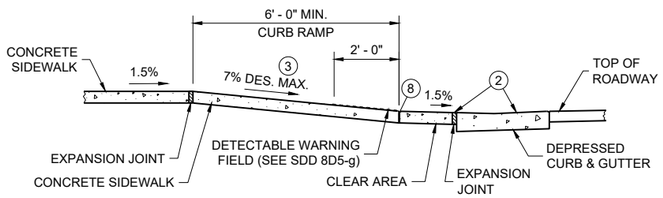
CURB RAMP TYPE 4A



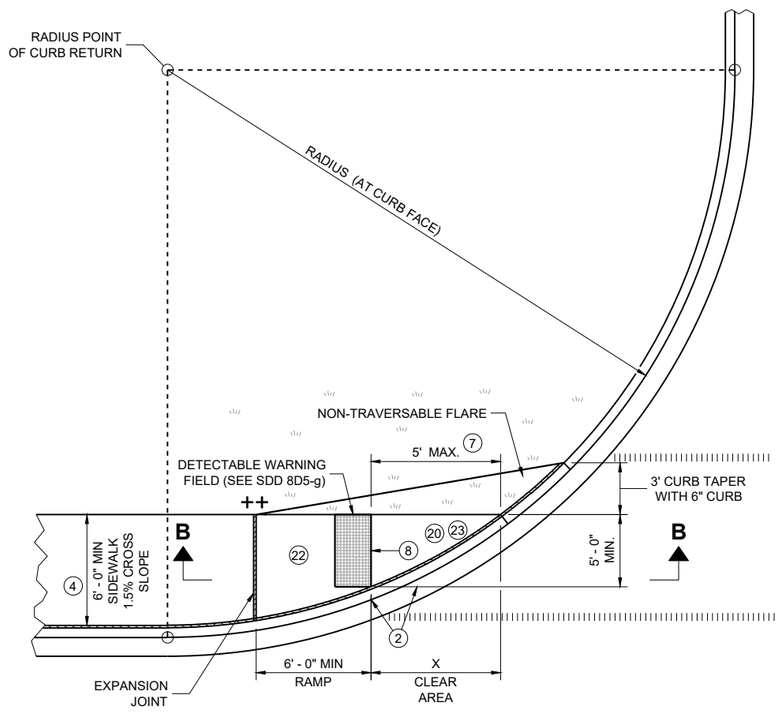
SECTION A - A FOR TYPE 4A



SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1



PLAN VIEW

CURB RAMP TYPE 4A1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

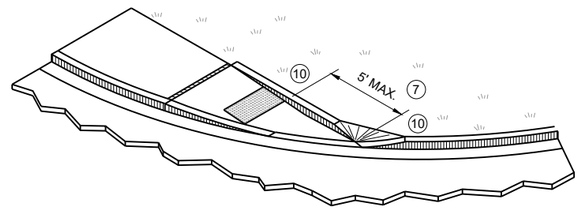
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

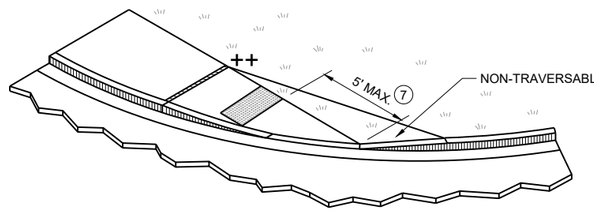
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



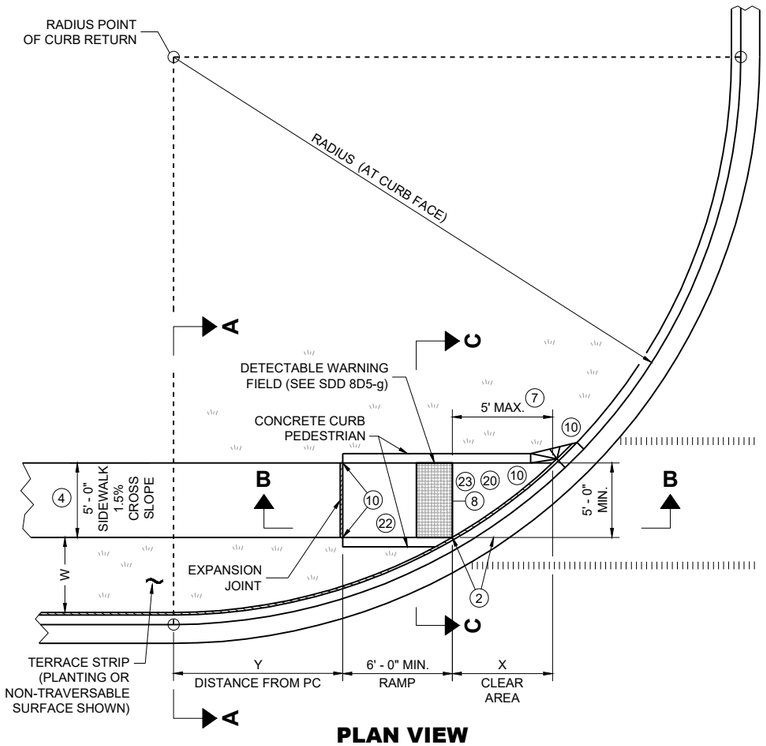
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

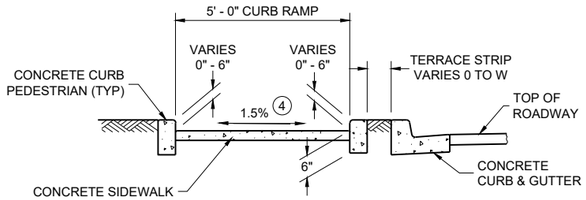
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

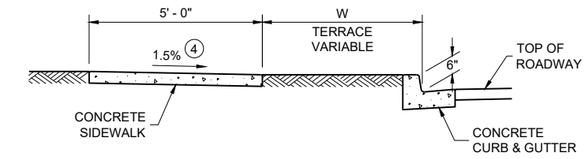
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

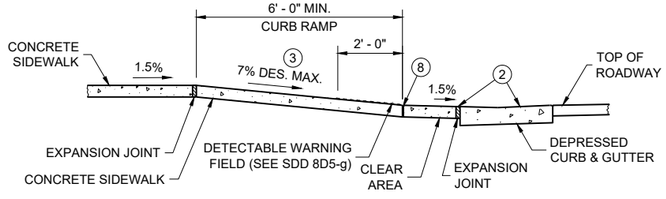
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

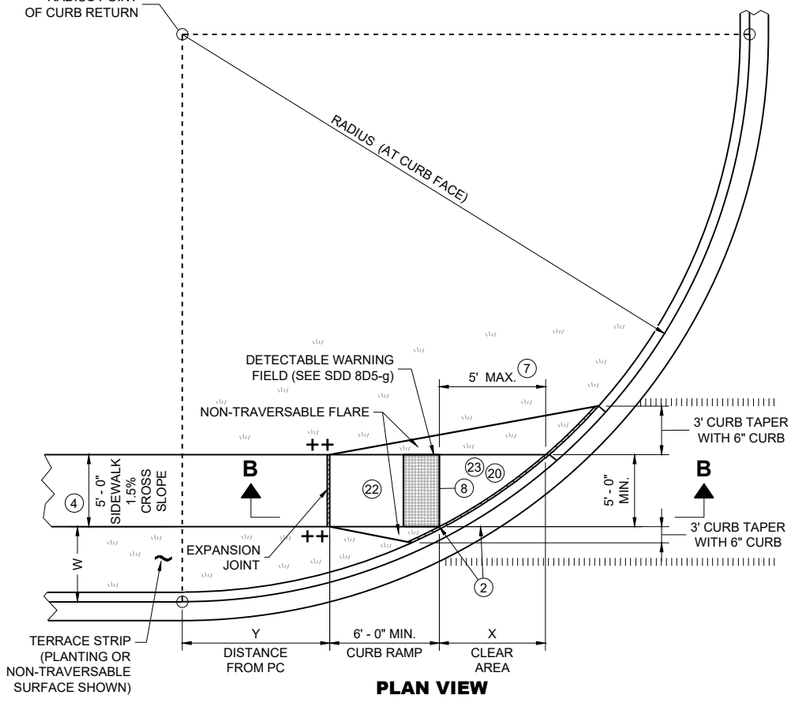
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



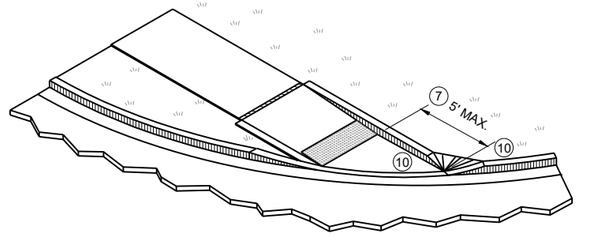
SECTION A - A FOR TYPE 4B



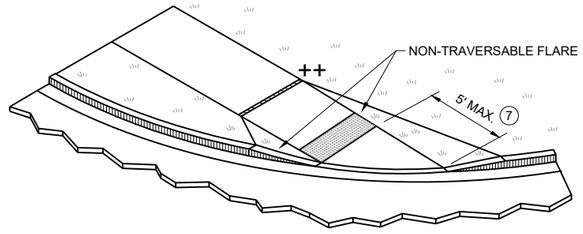
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



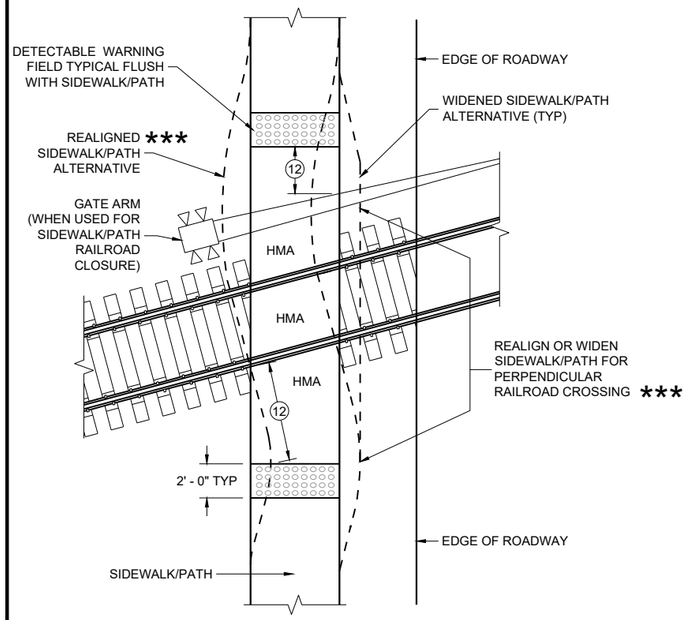
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

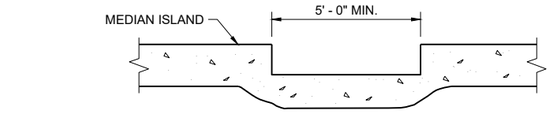
6

SDD 08D05-22d

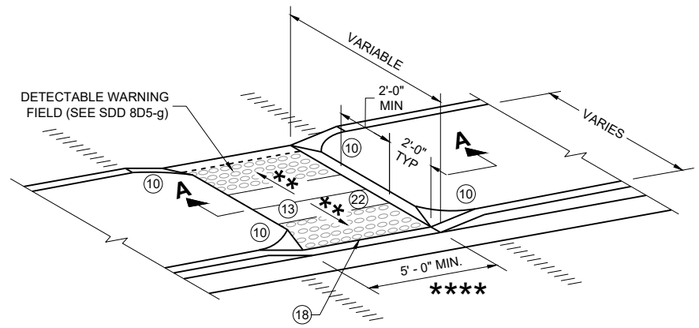


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(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/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

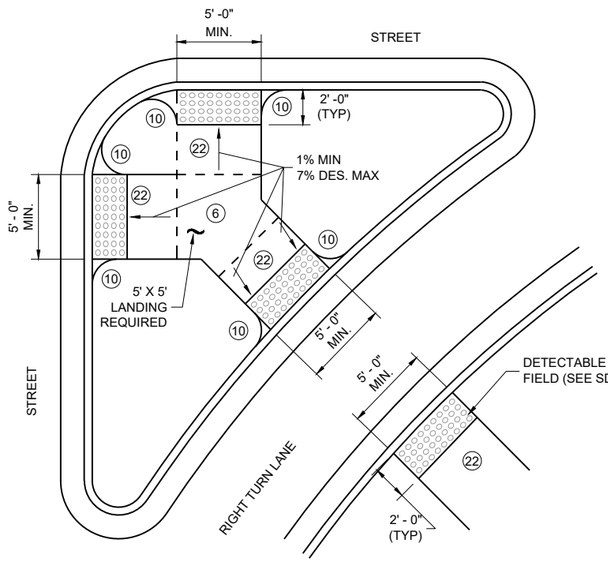
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

CURB RAMP TYPE 7A

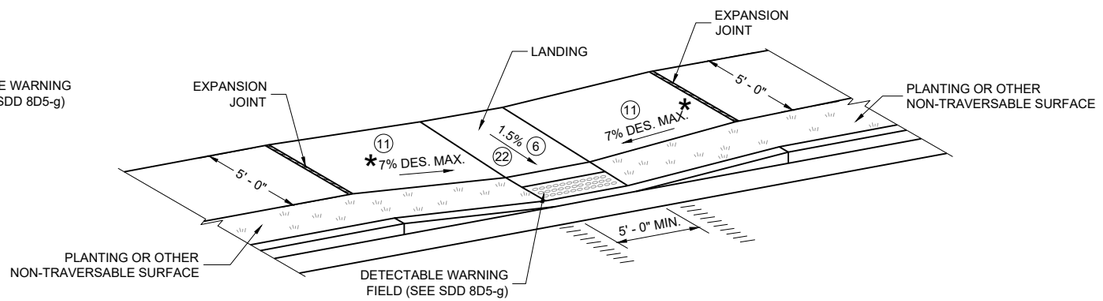
FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

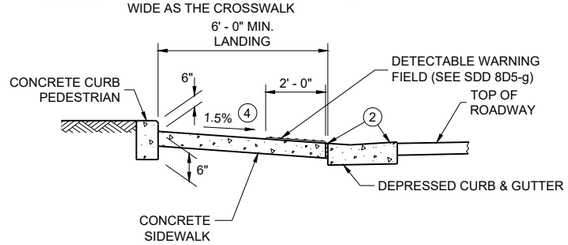


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** 1% MINIMUM (PROVIDE DRAINAGE)
- *** DETAILS TO BE DETERMINED BY ENGINEER
- **** FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

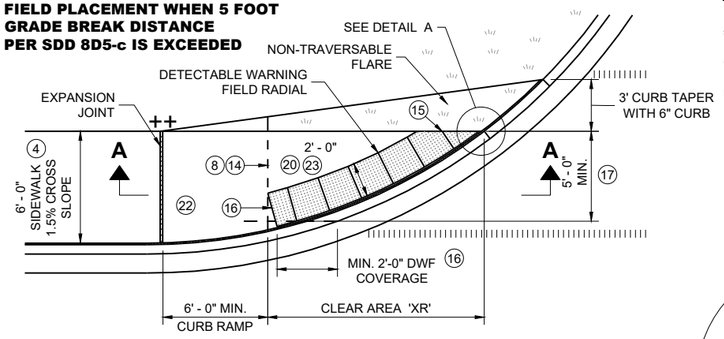


SECTION B - B FOR TYPE 7A

CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

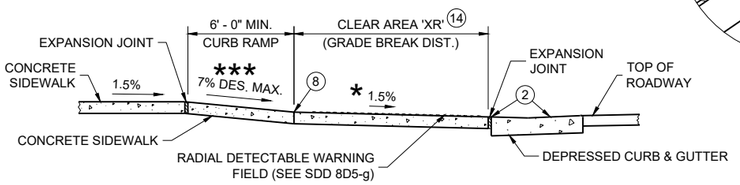
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

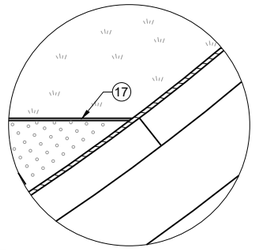
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



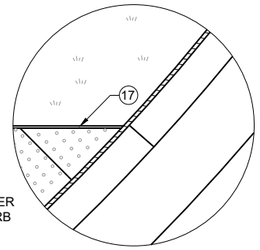
SECTION A - A FOR TYPE 4A1

LEGEND

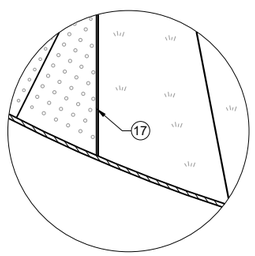
═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A



DETAIL B



DETAIL C

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

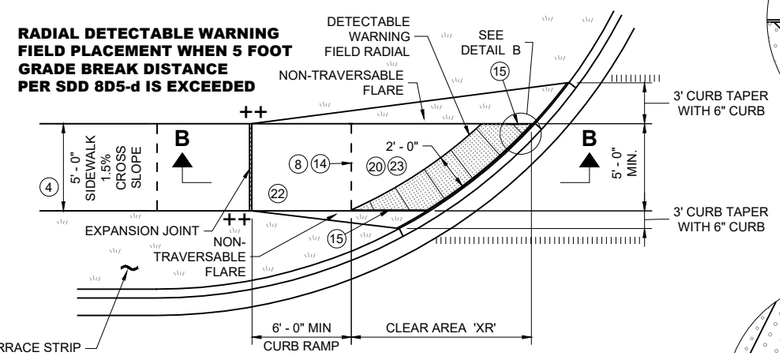
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

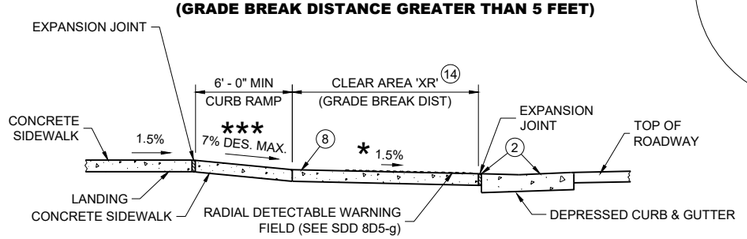
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



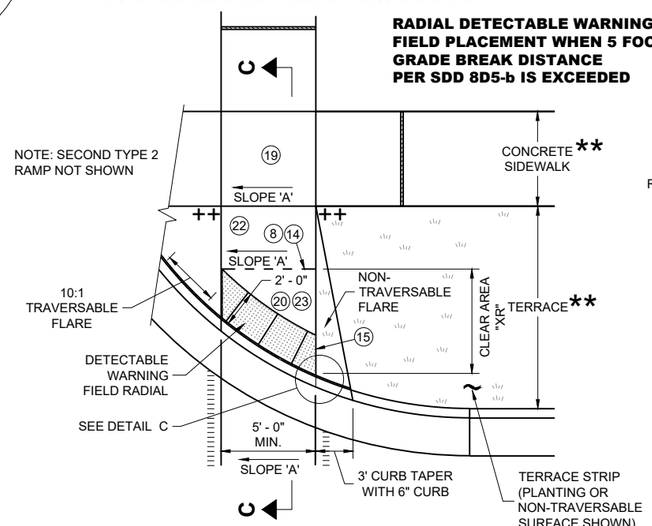
PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



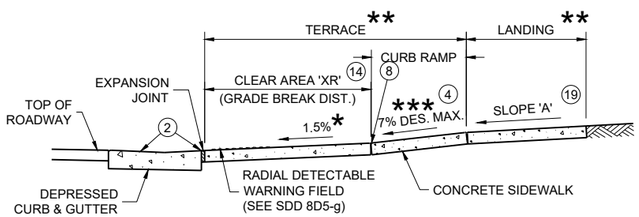
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



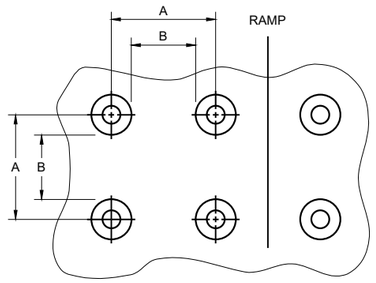
SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

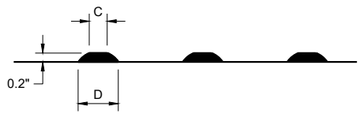
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

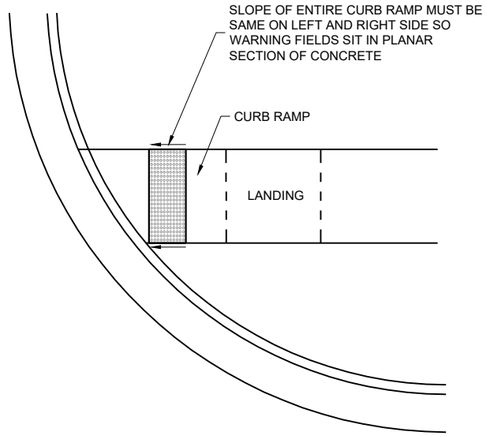
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

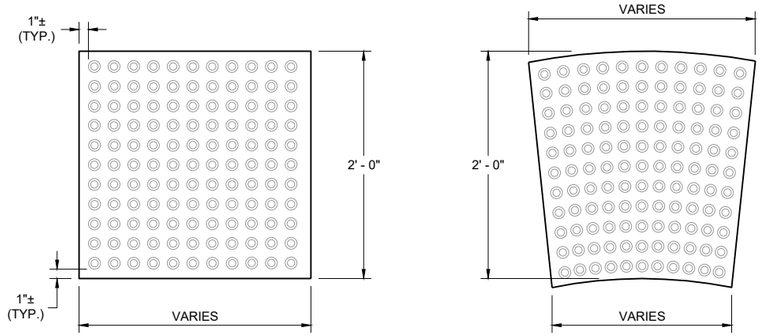
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

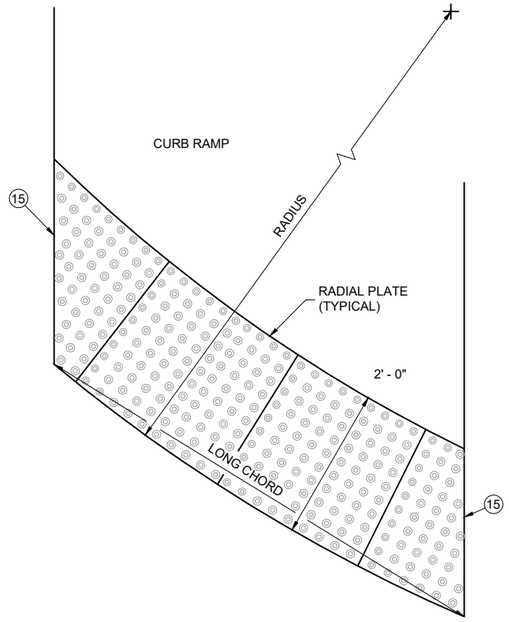
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



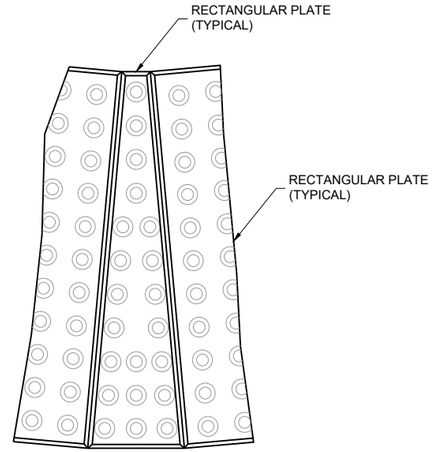
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

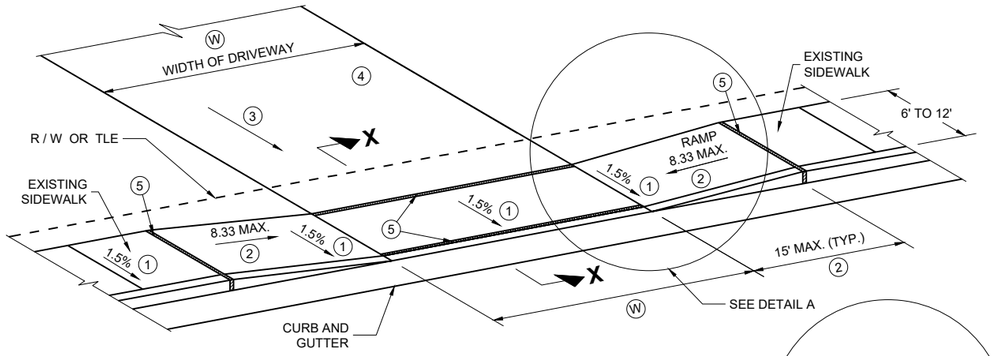
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

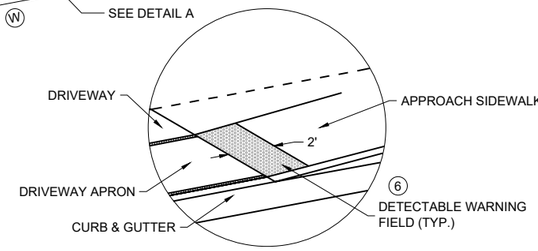
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>

FHWA

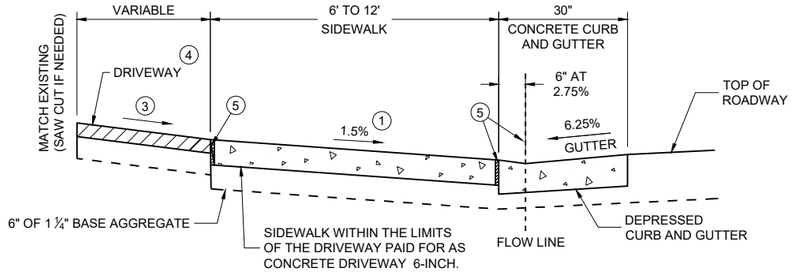
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SDD 08D05-22g



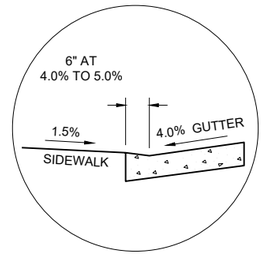
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X



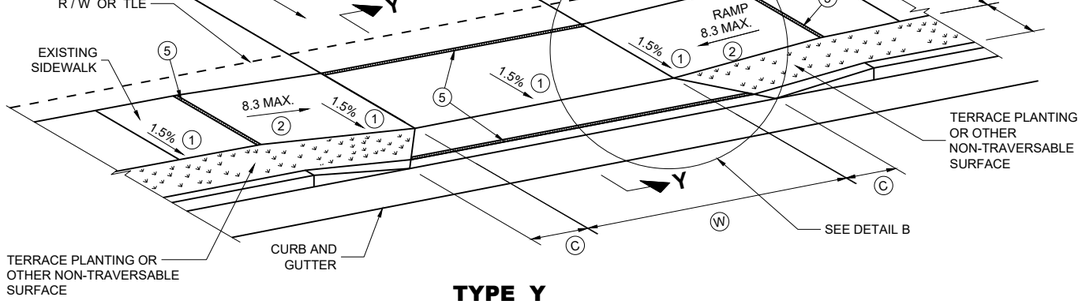
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

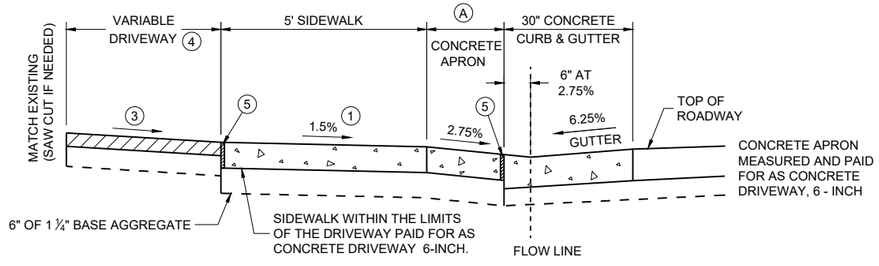
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

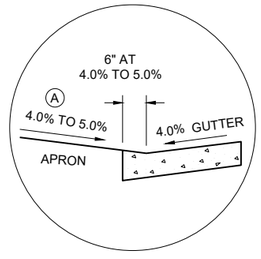


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

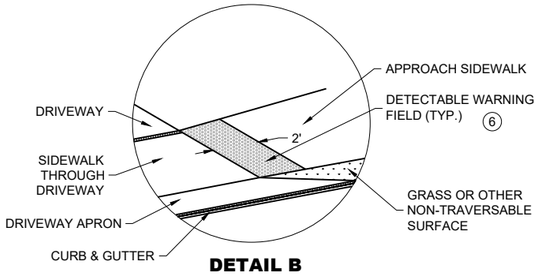
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
* 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
* 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
* 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

(5) 1/2" EXPANSION JOINT FILLER

(6) DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



DETAIL B

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 (DATE)
/S/ Rodney Taylor

FHWA

6

SDD 08D18-05

6

SDD 08D18-05

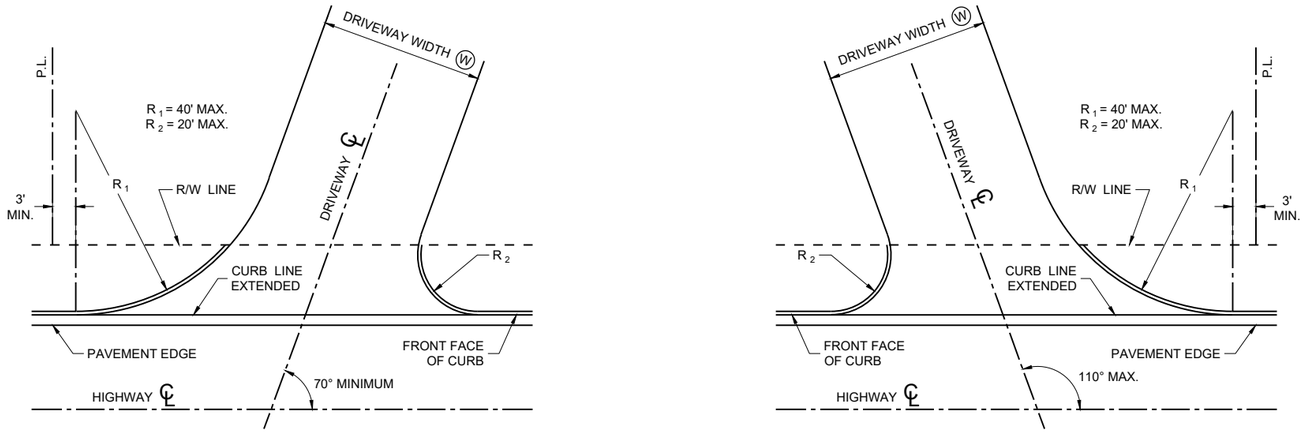
GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

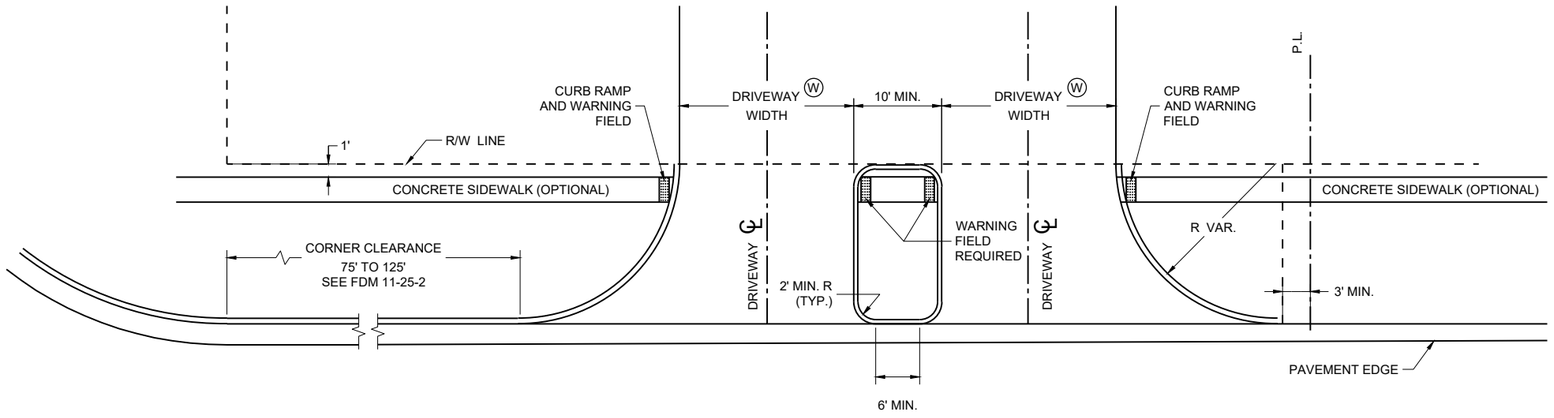


SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



DRIVEWAY LOCATION AND SPACING DETAILS

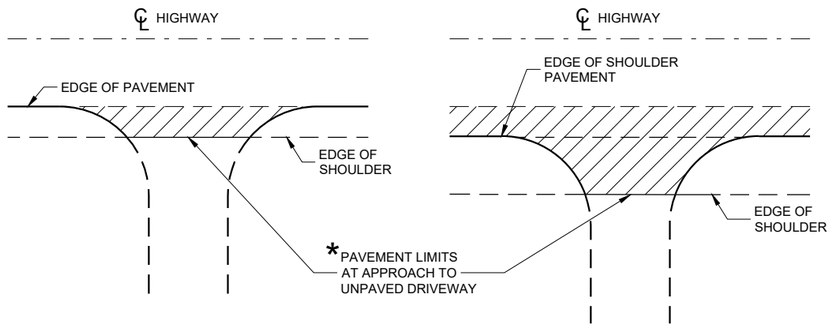
SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

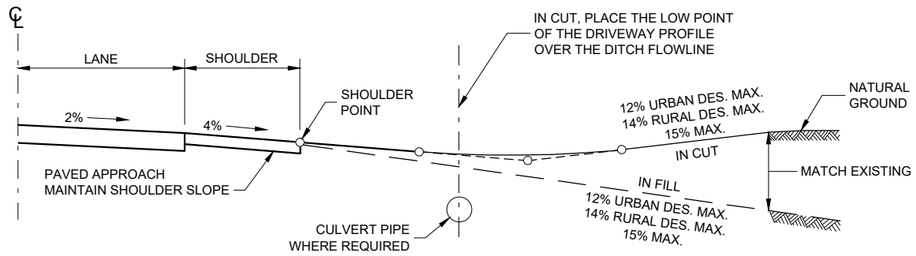
FHWA



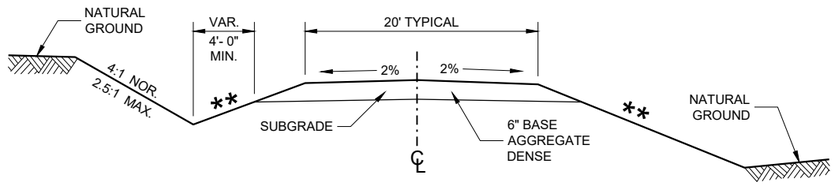
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

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



TYPICAL DRIVEWAY PROFILES

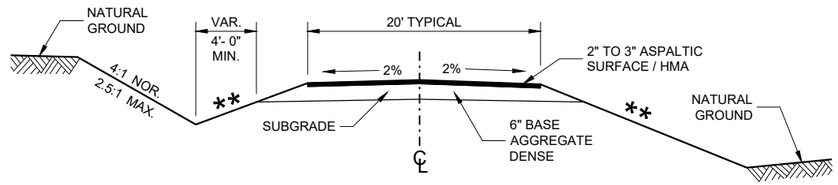


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

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



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

6

SDD 08D21 - 01

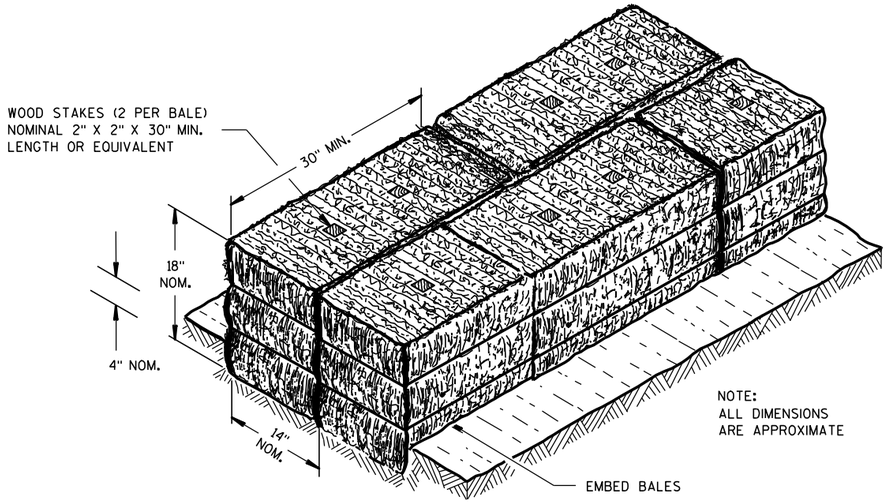
SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

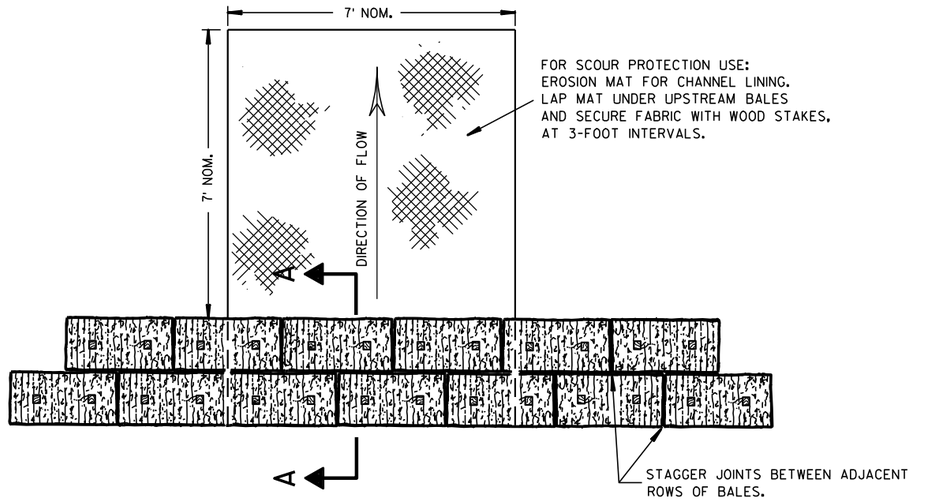
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

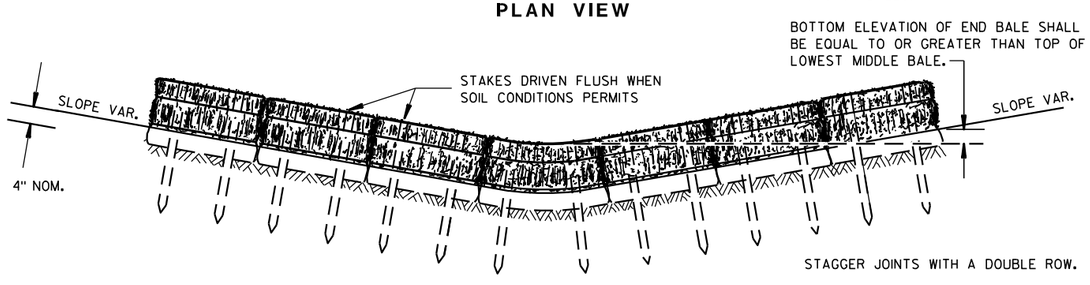
FHWA



SECTION A-A



PLAN VIEW



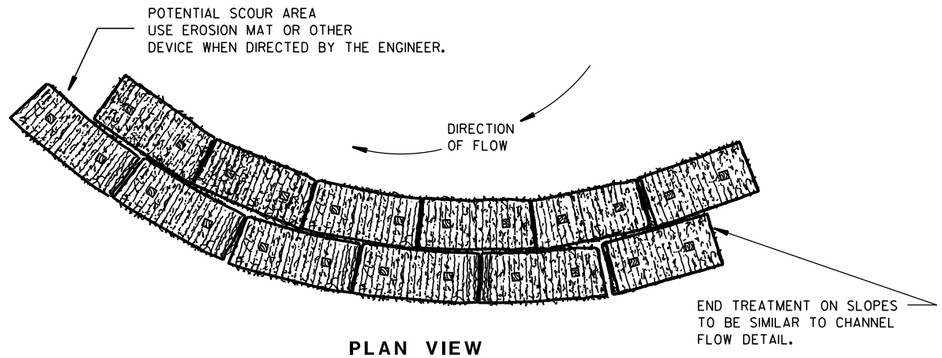
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

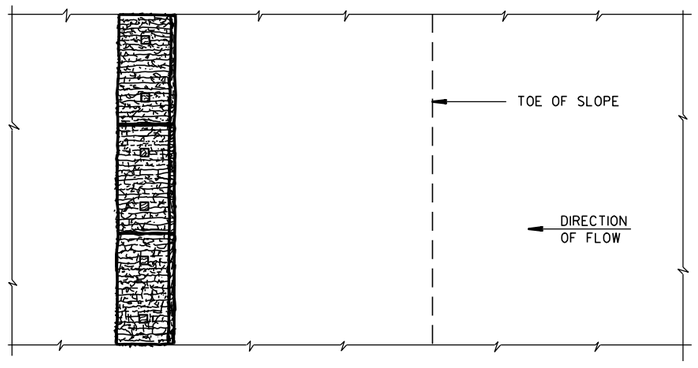
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

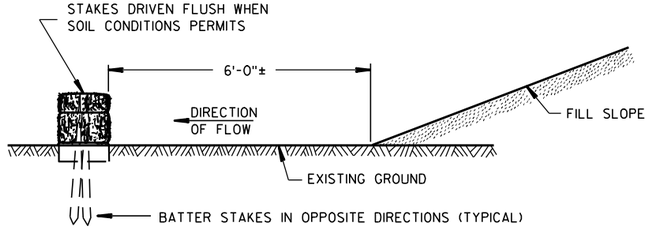


PLAN VIEW

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

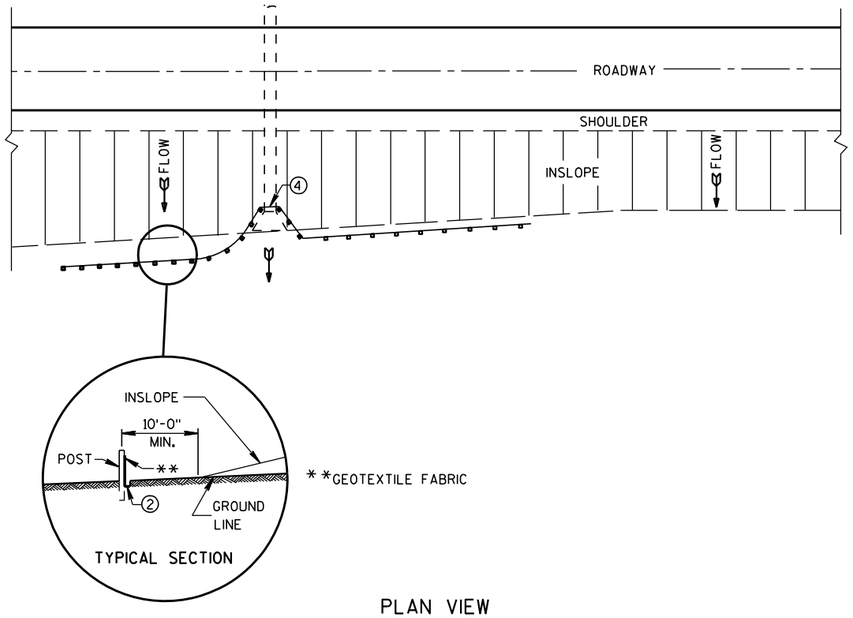
APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

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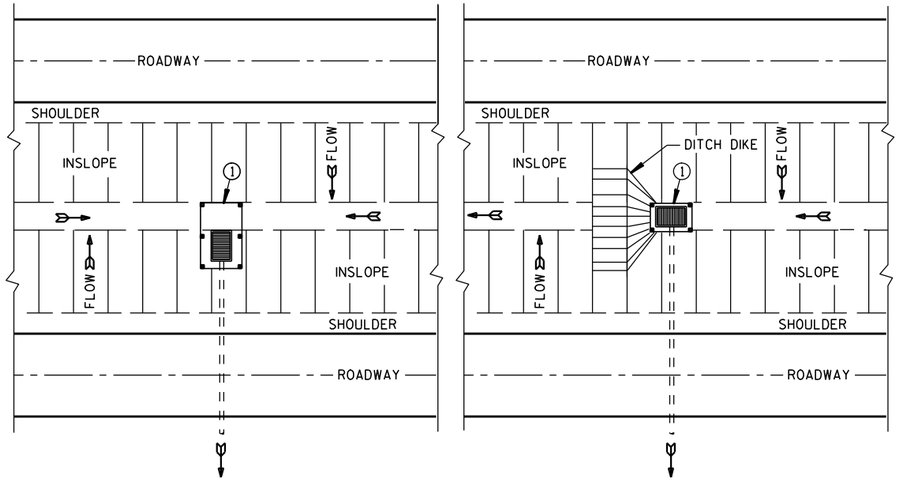
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S.D.D. 8 E 8-3



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.

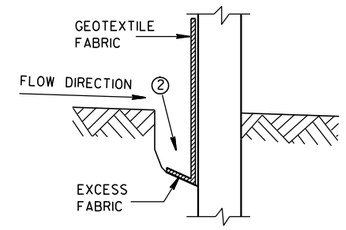
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

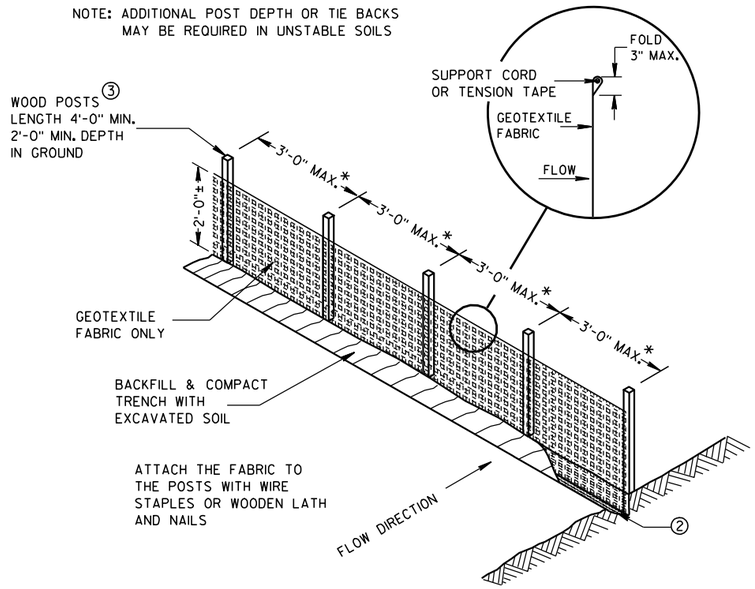
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

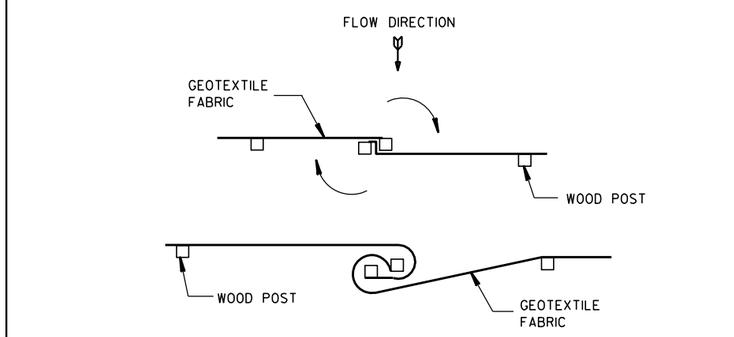
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



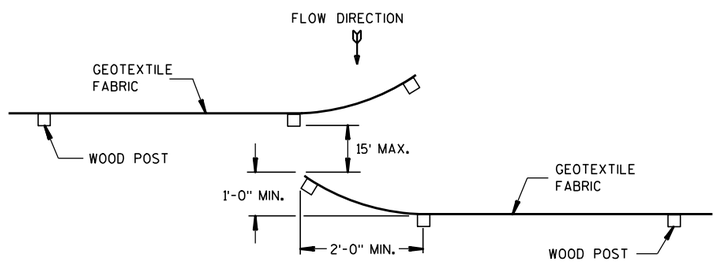
TRENCH DETAIL



SILT FENCE

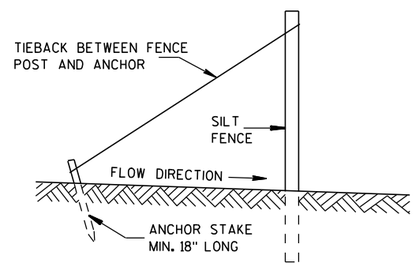


TWIST METHOD



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

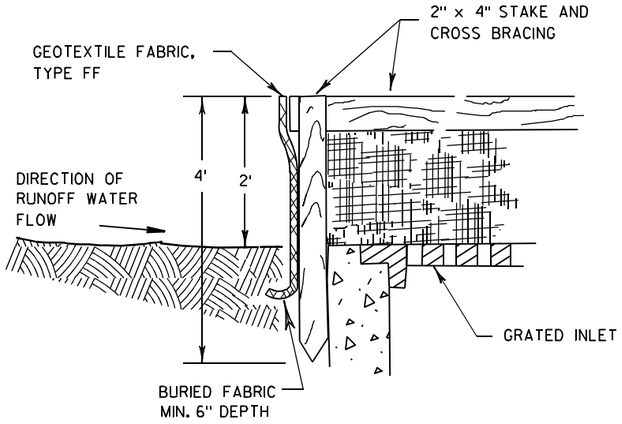
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
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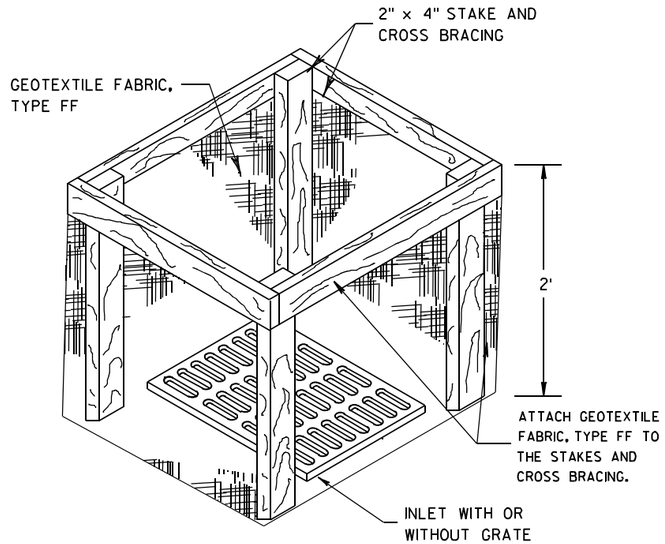
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S.D.D. 8 E 9-6

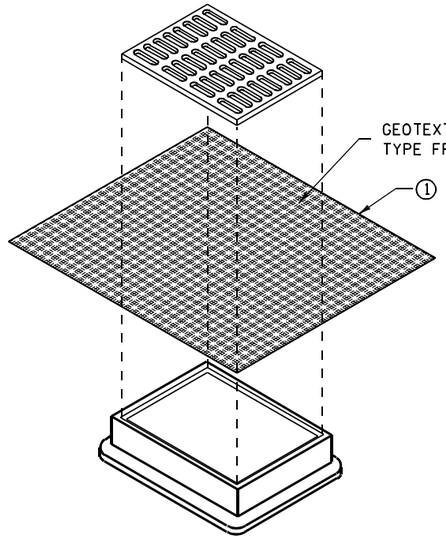
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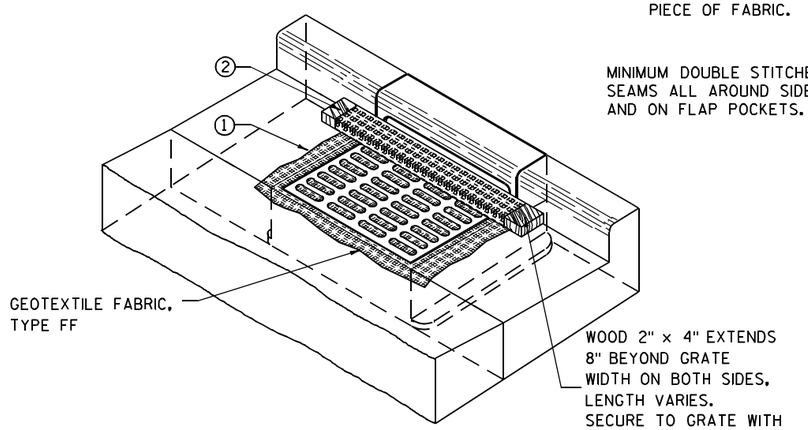


INLET PROTECTION, TYPE A

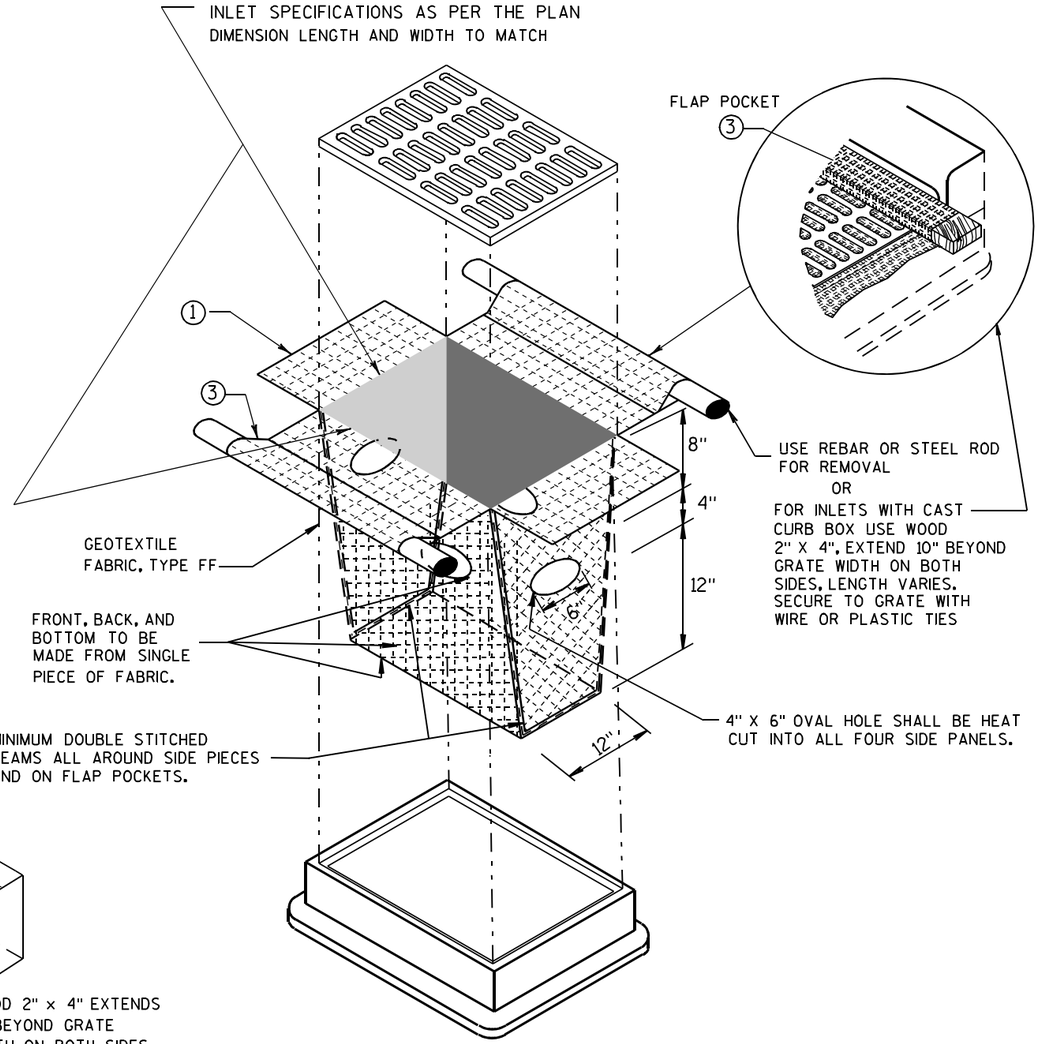


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

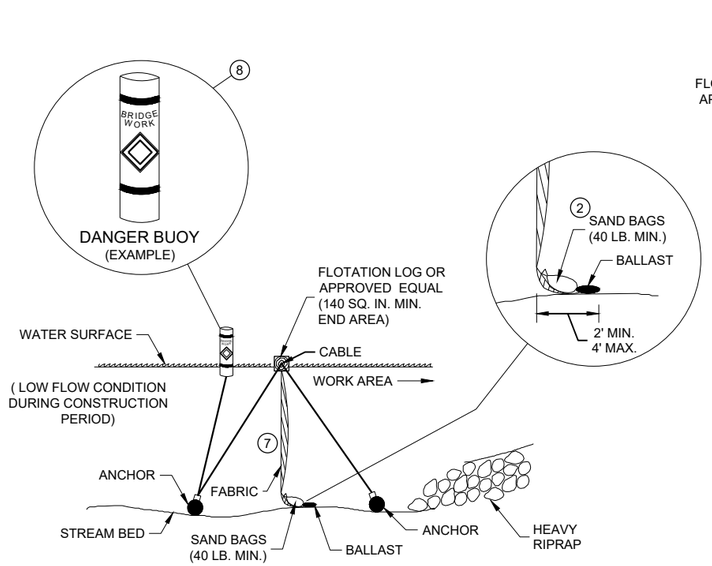
FHWA

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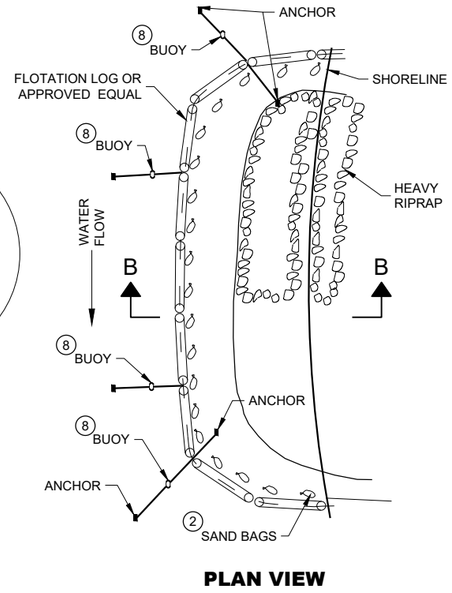
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

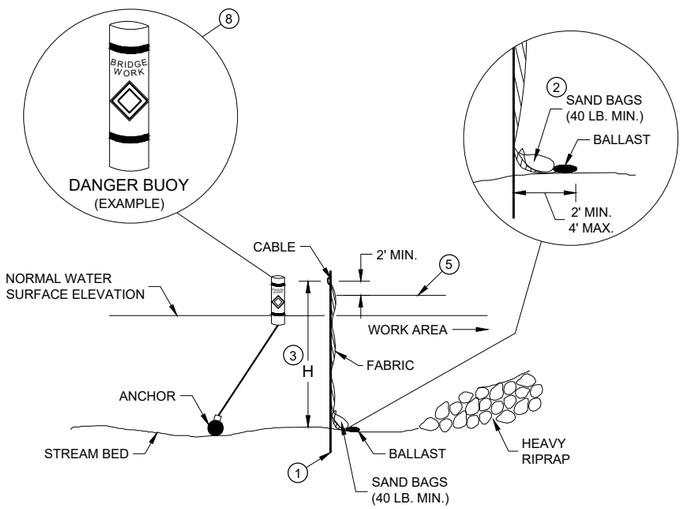


SECTION B - B

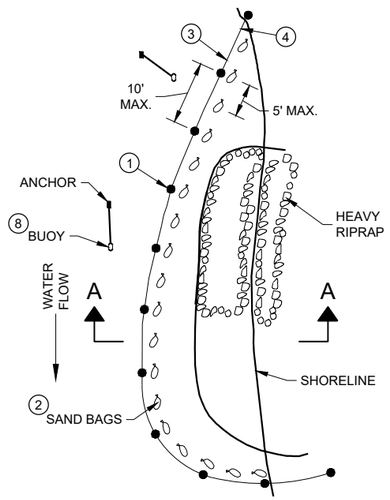


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT 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.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

(1) DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

(2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

(3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.

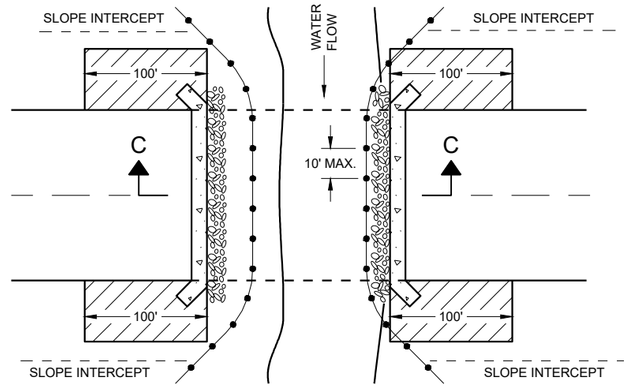
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

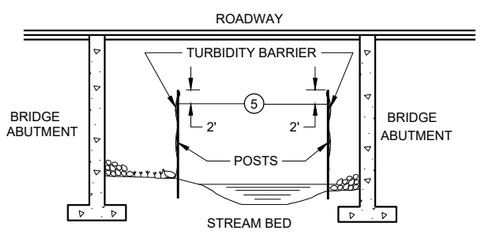
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

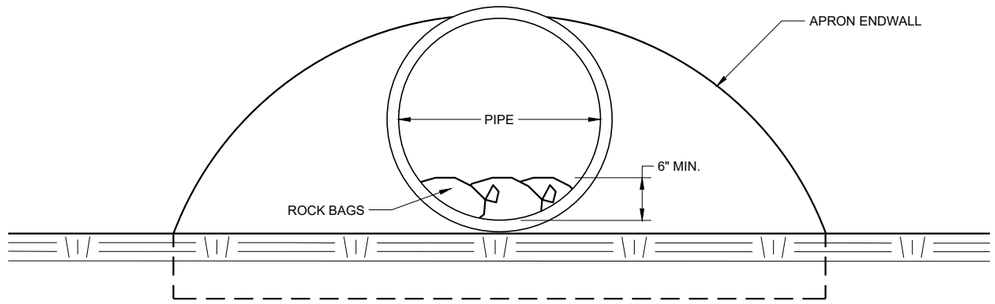
TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

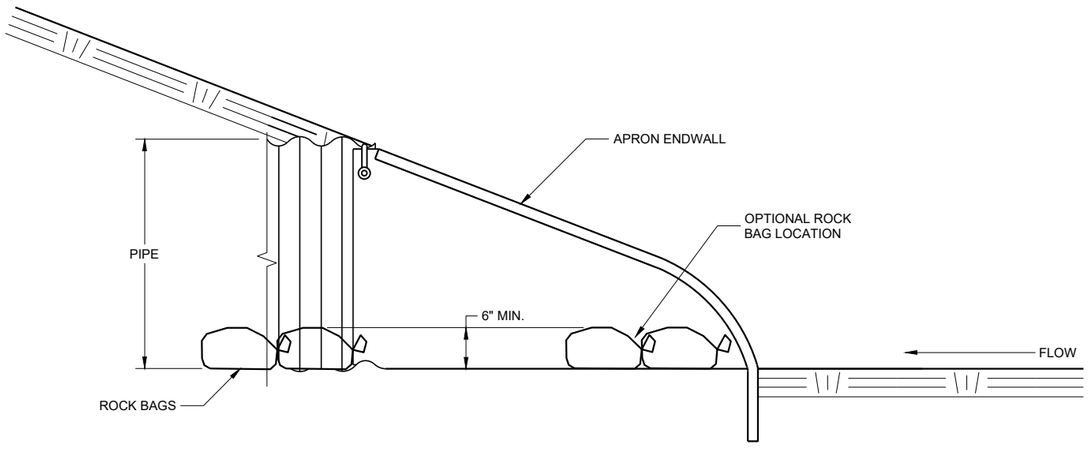
APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOI
ENGINEER

FHWA

6
SDD 08E11 - 02



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

6

SDD 08E15 - 01

METAL APRON ENDWALLS

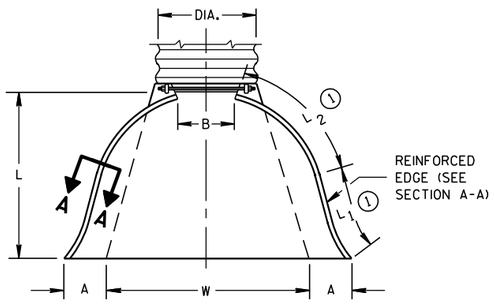
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

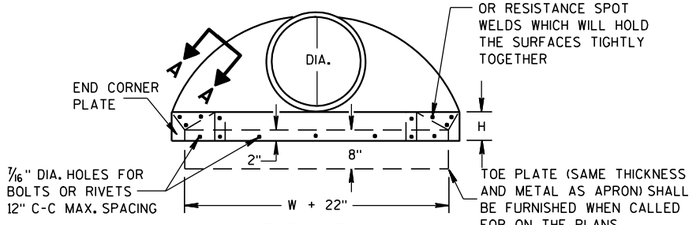
REINFORCED CONCRETE APRON ENDWALLS

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

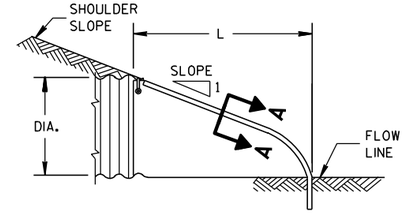
*MINIMUM
**MAXIMUM



PLAN VIEW

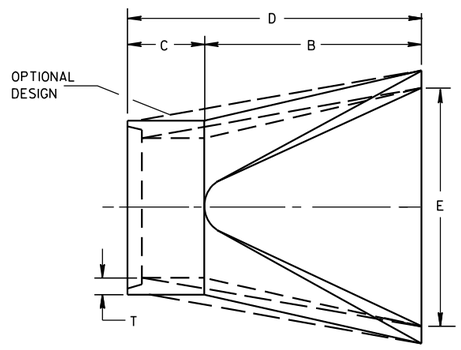


END VIEW

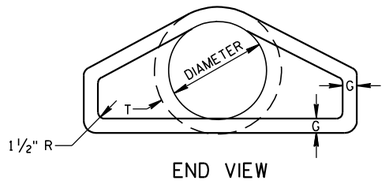


SIDE ELEVATION

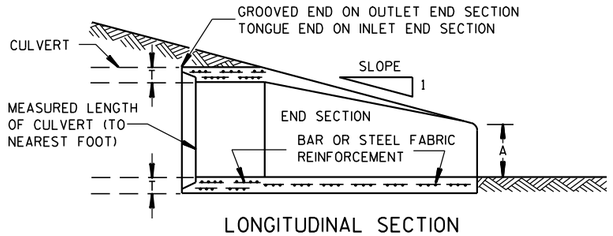
METAL ENDWALLS



PLAN

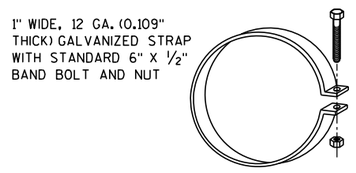


END VIEW



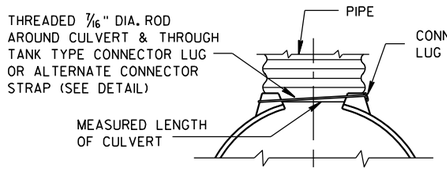
LONGITUDINAL SECTION

CONCRETE ENDWALLS

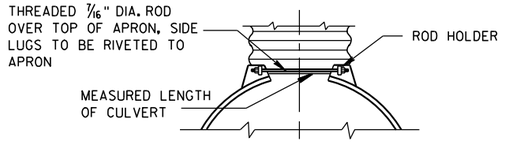


ALTERNATE FOR TYPE 1 CONNECTION

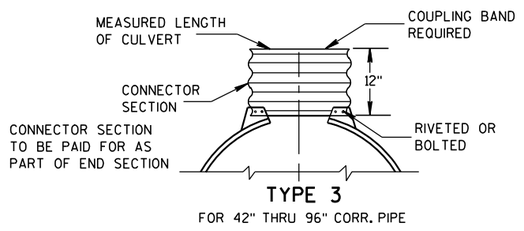
END SECTION CONNECTOR STRAP



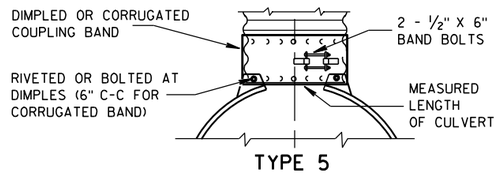
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

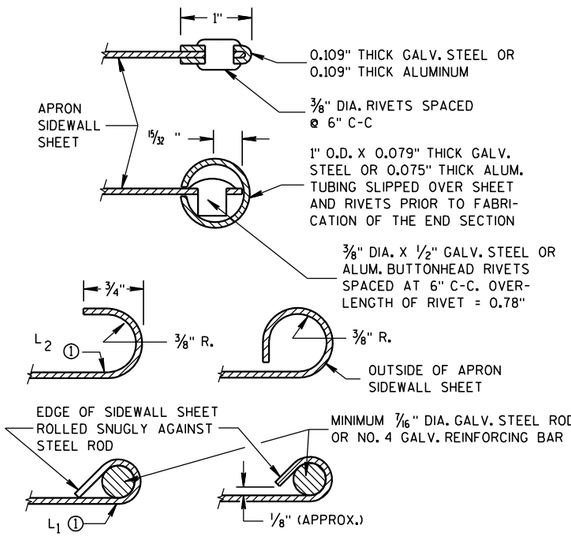
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

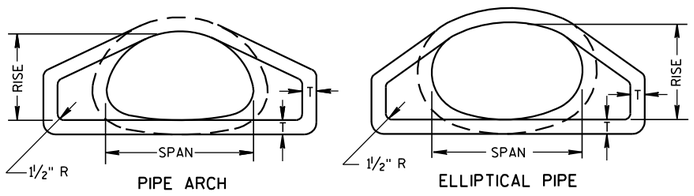
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

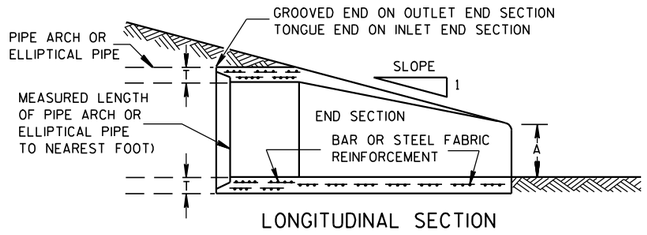
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 253 NEER
FHWA

6

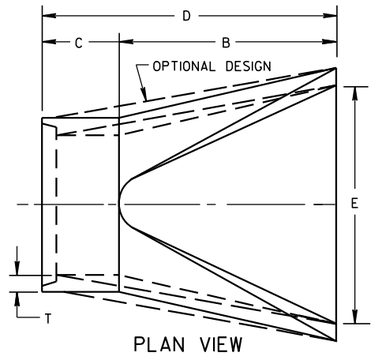
S.D.D. 8 F 1-11



END VIEW

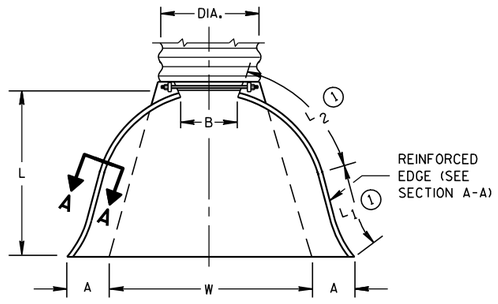


LONGITUDINAL SECTION

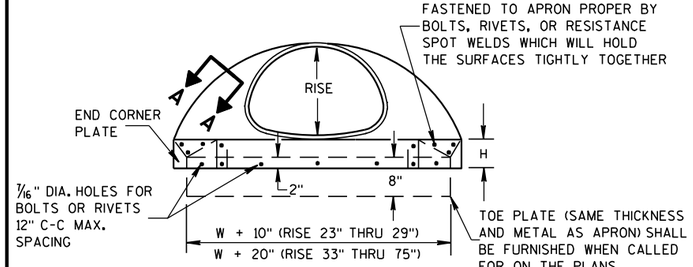


PLAN VIEW

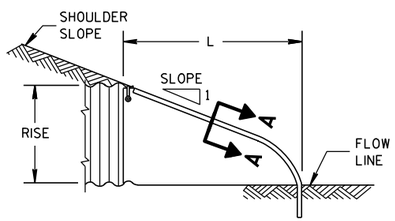
CONCRETE ENDWALLS



PLAN VIEW

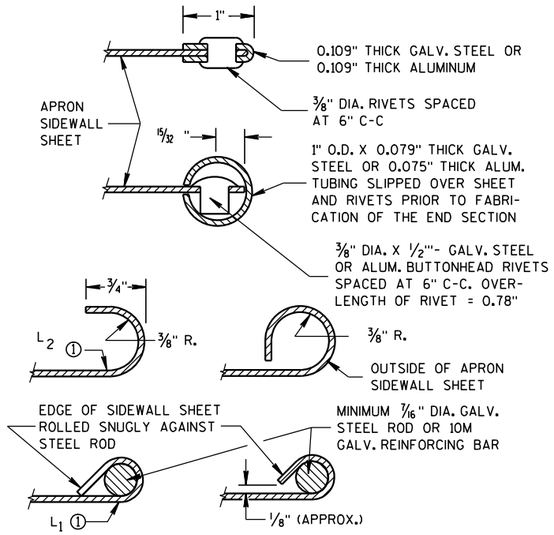


END VIEW



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

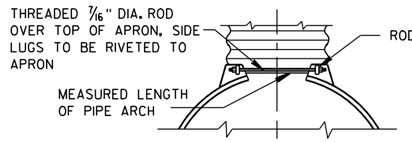
REINFORCED CONCRETE PIPE ARCH

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

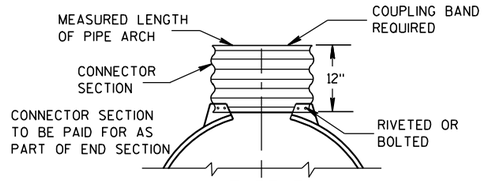
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



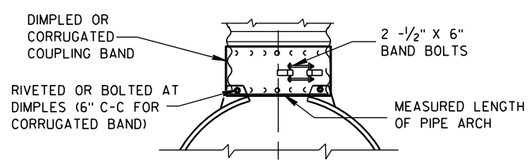
TYPE 2

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

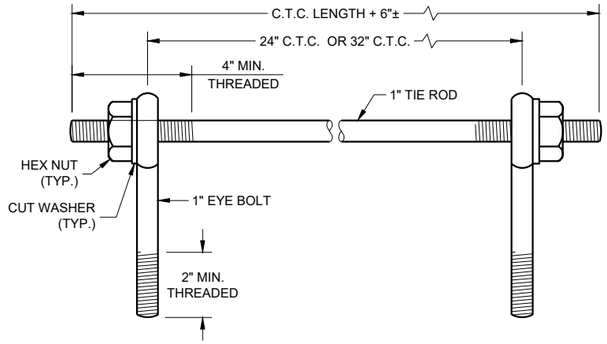
11/30/94 — DATE

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

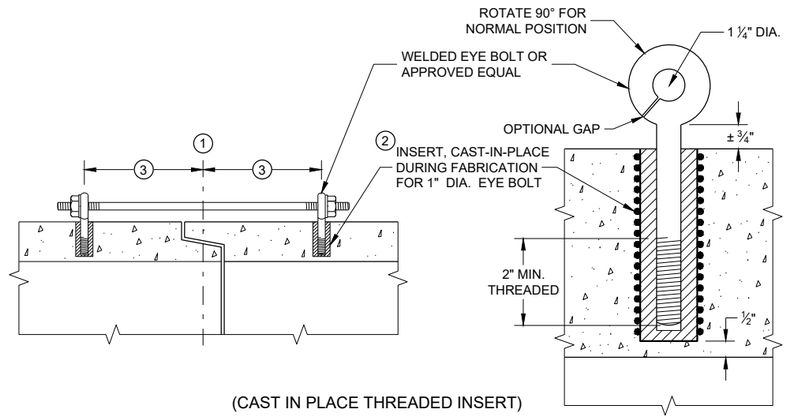
FHWA

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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) CENTER LINE 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.

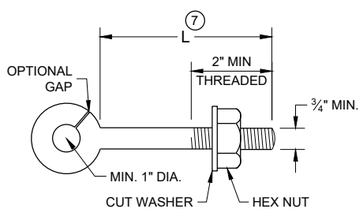
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

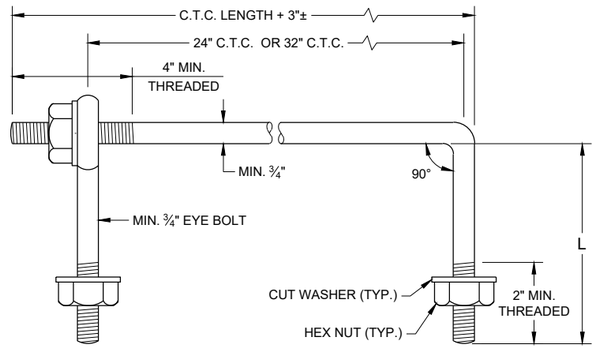
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

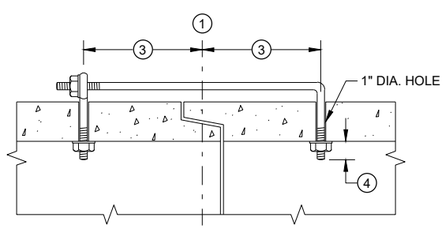


EYE BOLT (7)

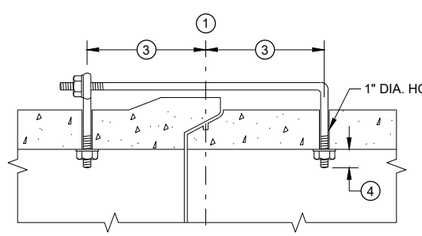
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

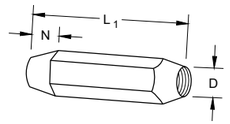
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

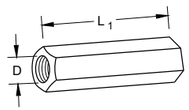
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



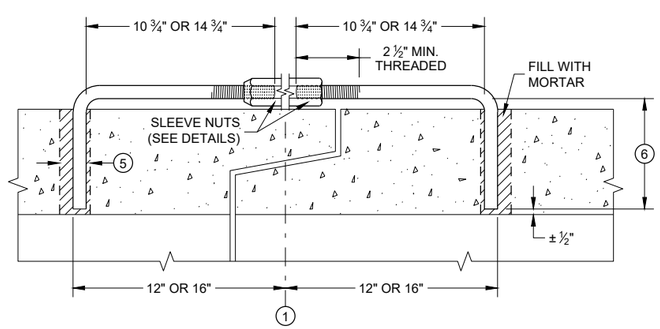
TAPERED



PLAIN

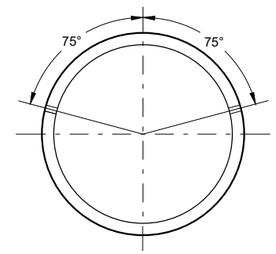
RIGHT AND LEFT THREADS

SLEEVE NUTS



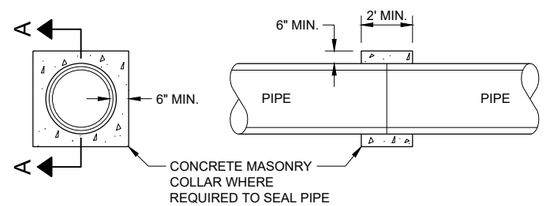
LONGITUDINAL SECTION

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

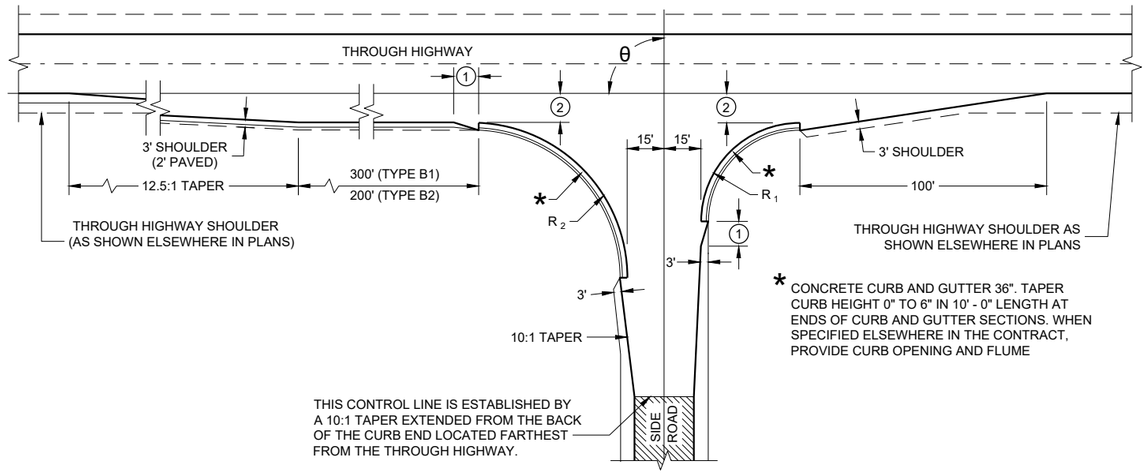
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08F04 - 08

SDD 08F04 - 08



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

TYPE "B1" AND "B2"

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

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.

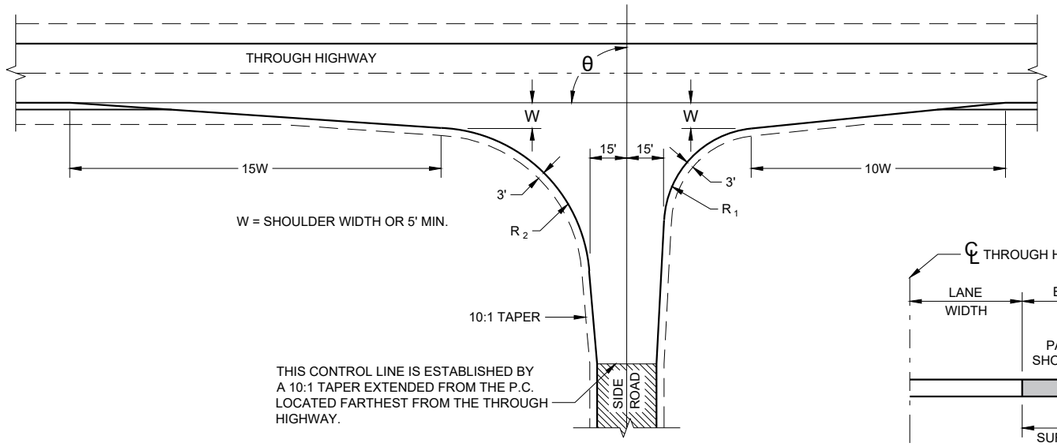
(1) 10-FT TYPICAL.

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

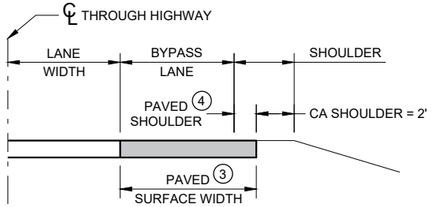
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

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

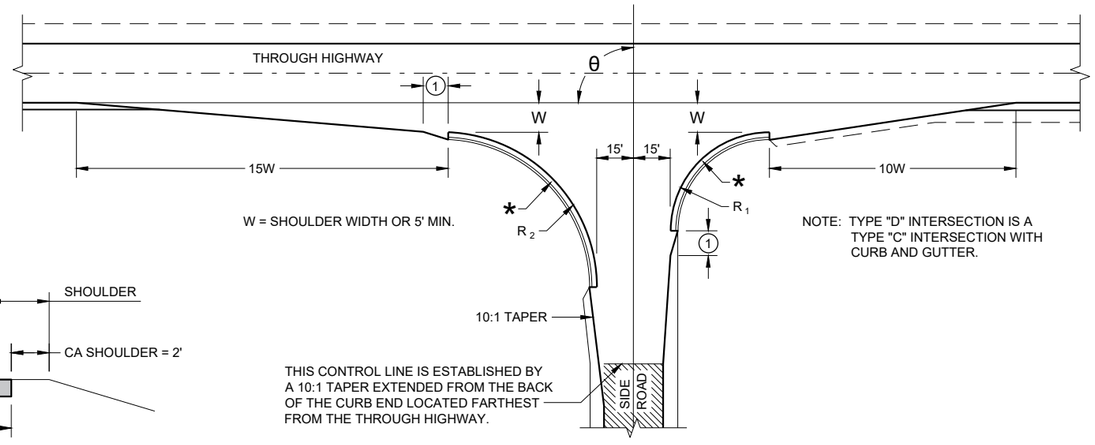
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

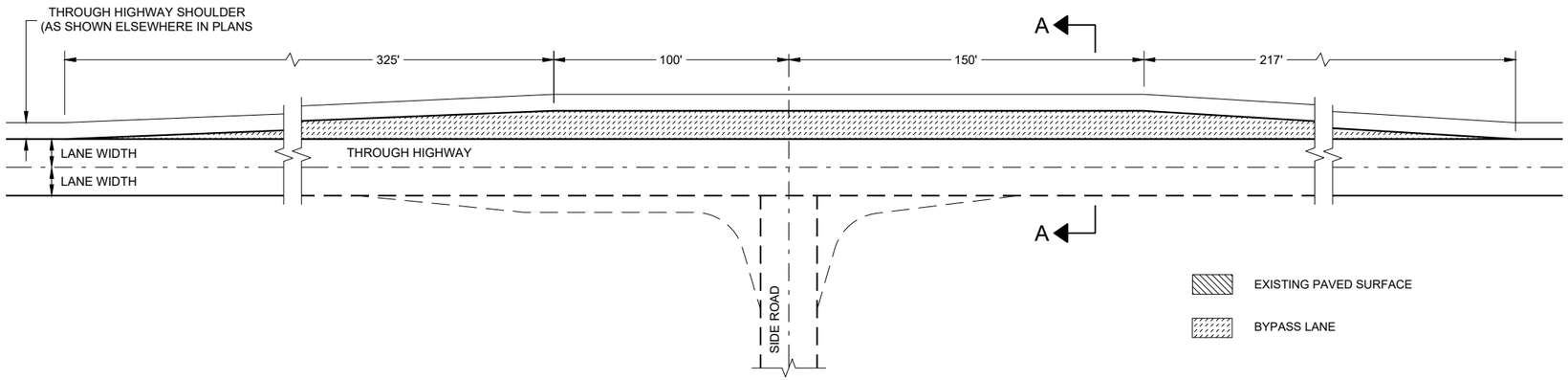


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

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

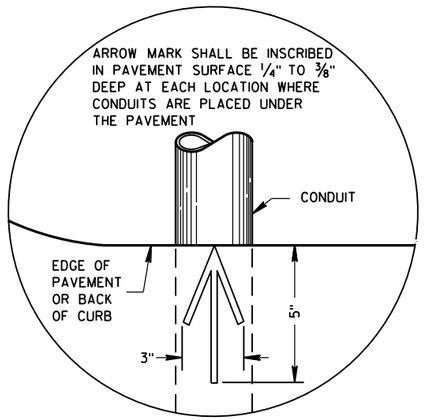
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a

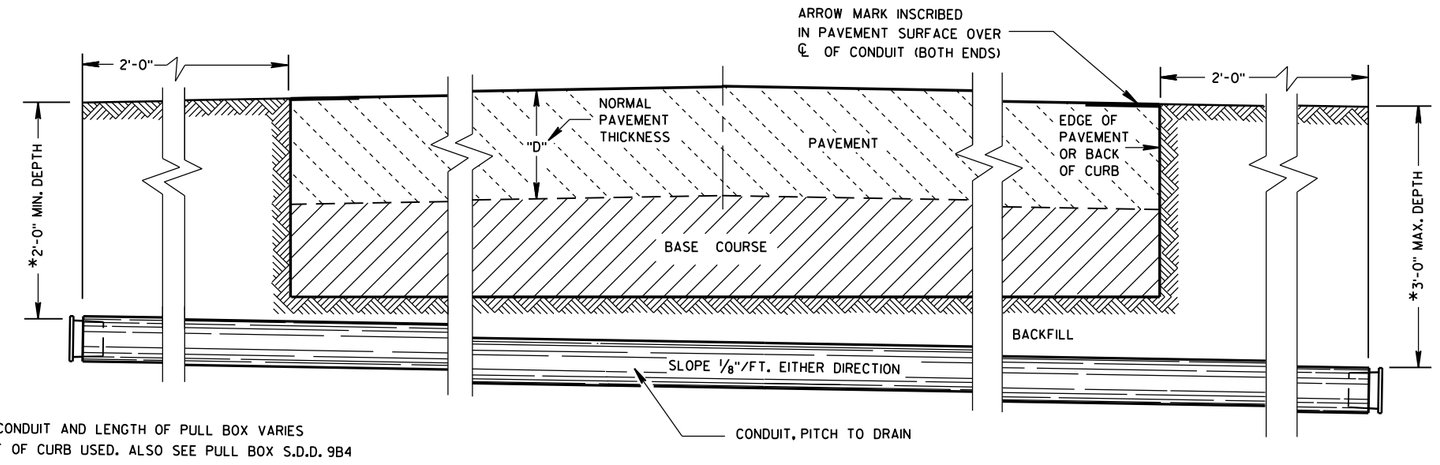
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SDD 09A01 - 14a



PLAN VIEW

ARROW MARK



*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

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.

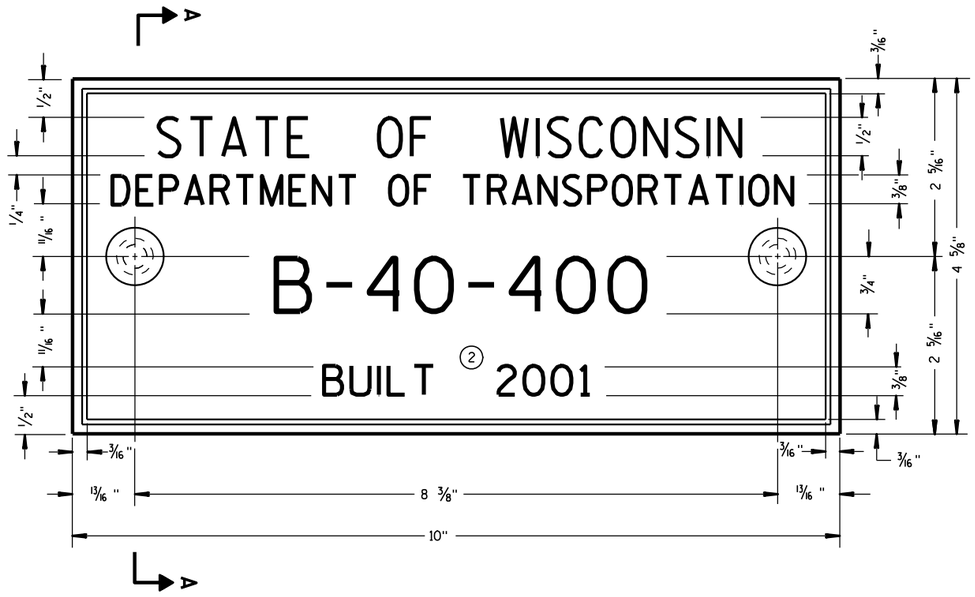
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 257
FHWA

6

S.D.D. 9 B 2-10



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

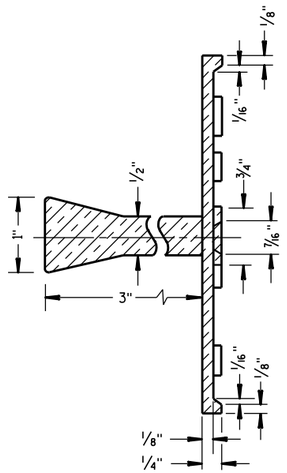
GENERAL NOTES

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

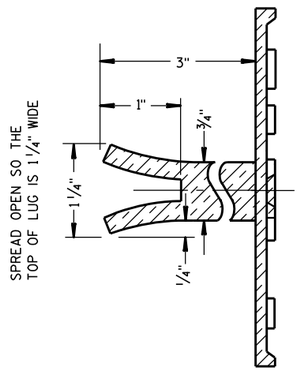
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

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

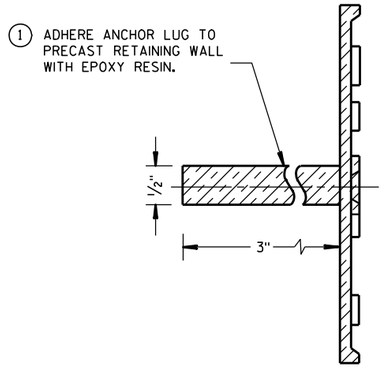
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck-- CHIEF STRUCTURAL DEVELOP 258 ENGINEER

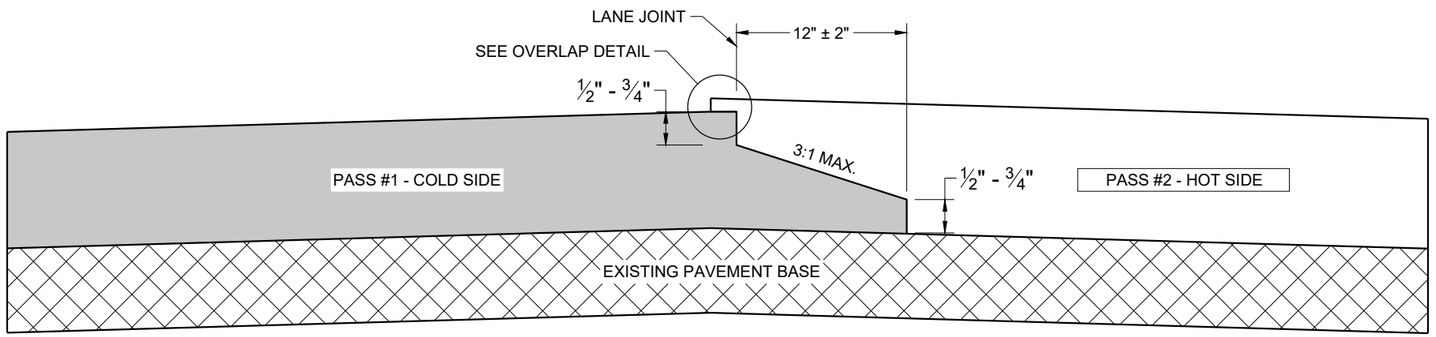
FHWA

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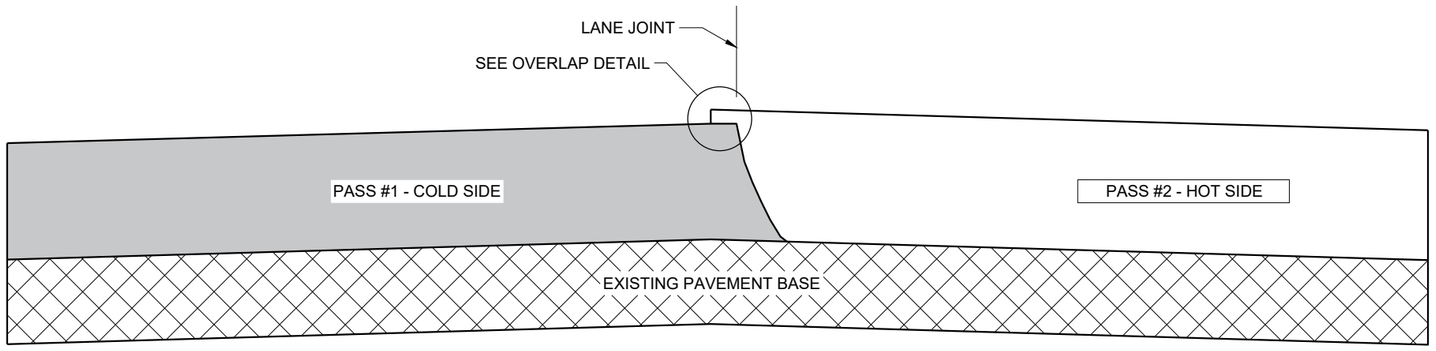
S.D.D. 12 A 3-10

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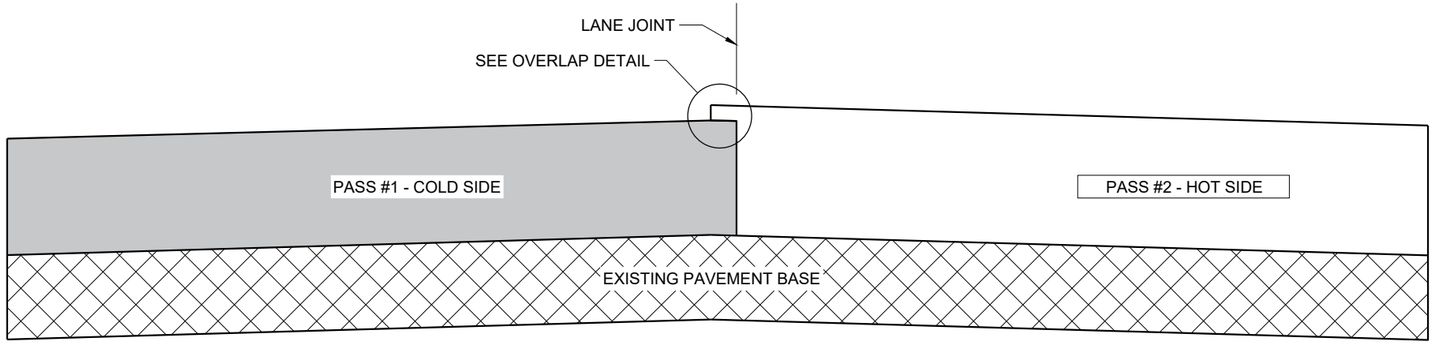
S.D.D. 12 A 3-10



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

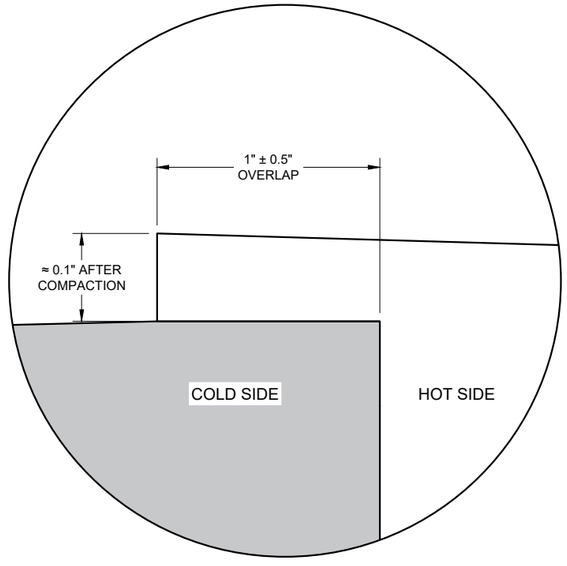
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

(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.

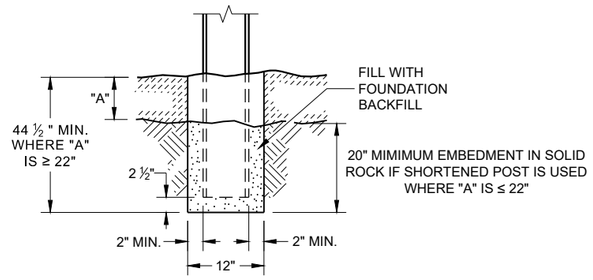
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

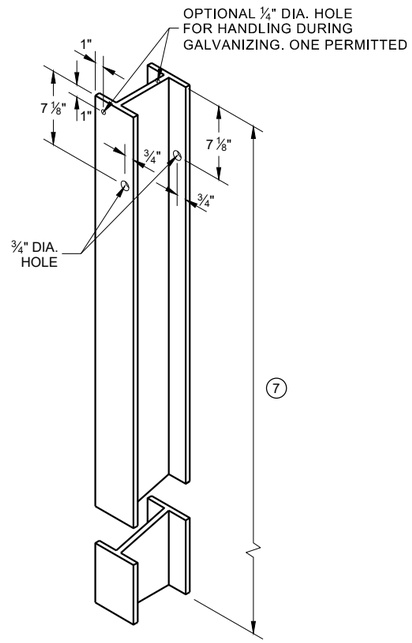
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

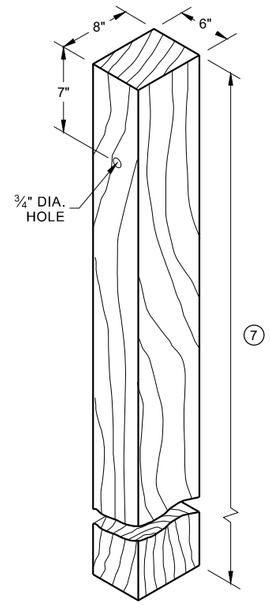
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



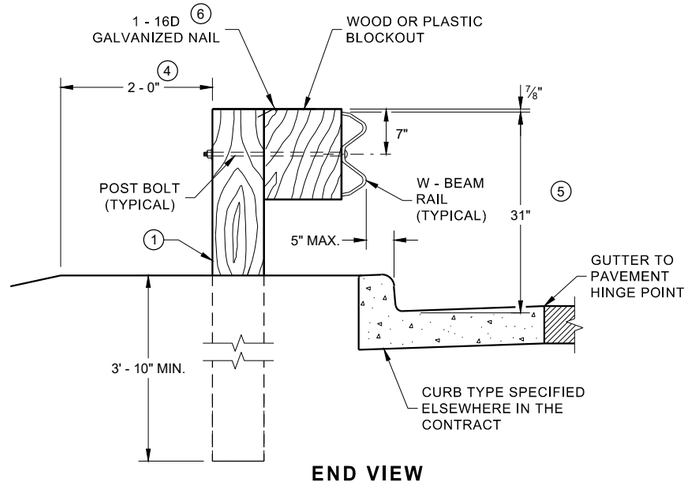
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



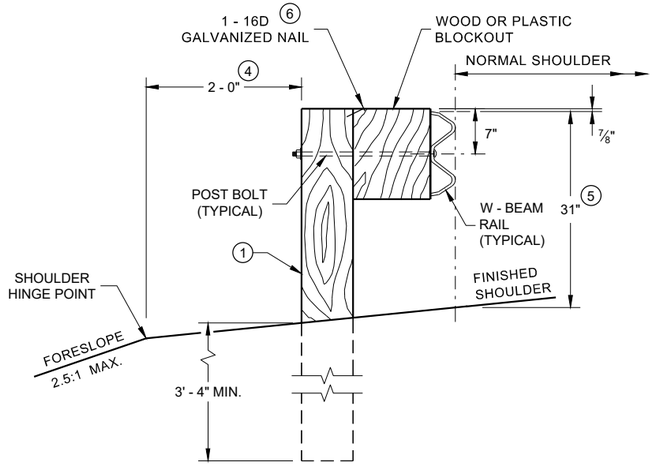
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



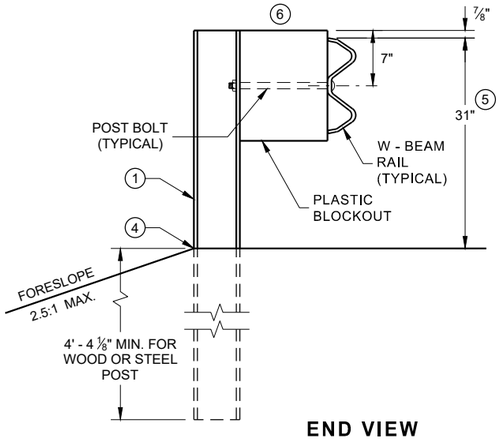
WOOD POST (6" X 8") NOMINAL (1)



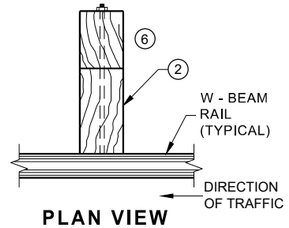
END VIEW
LOCATED ALONG A CURBED ROADWAY



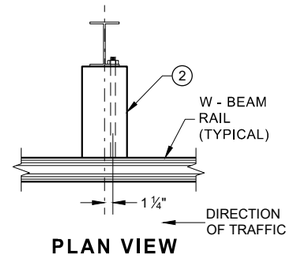
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



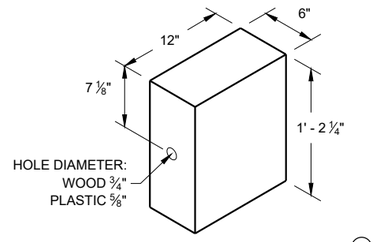
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

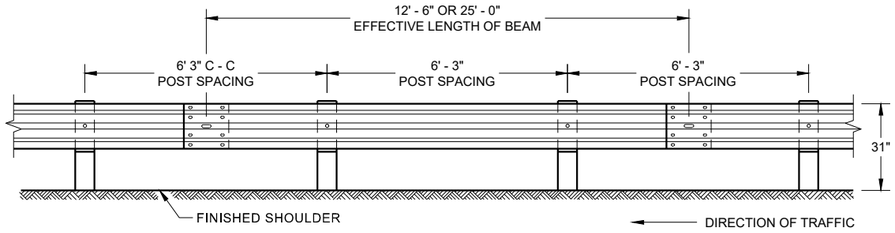
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

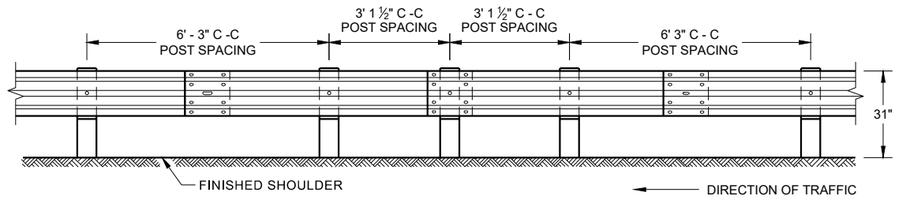
SDD 14B42 - 07a

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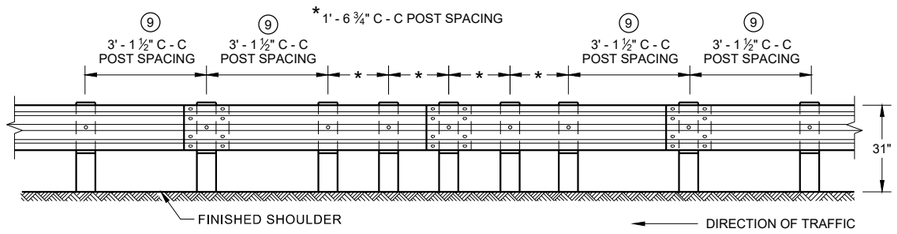
SDD 14B42 - 07a



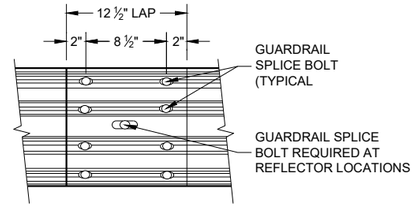
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

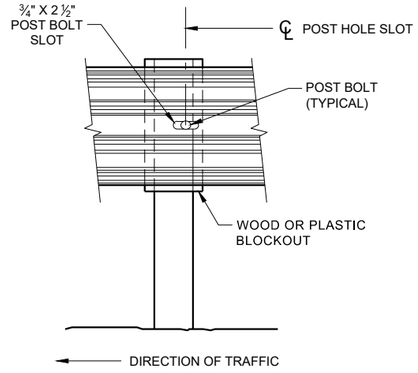
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

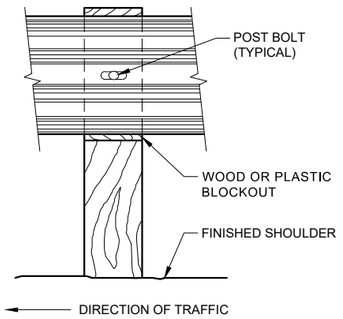
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

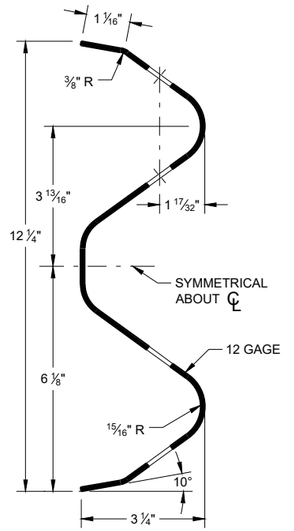
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



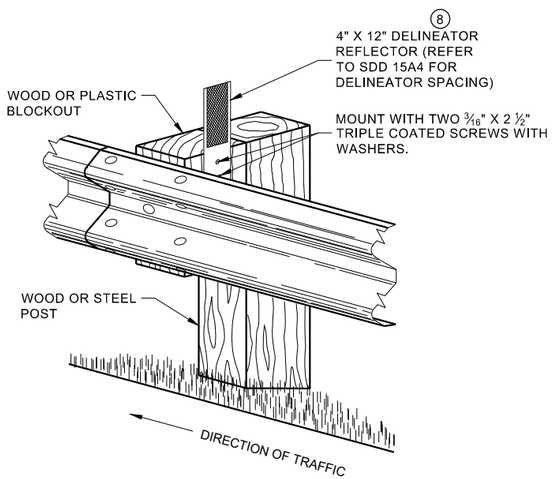
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



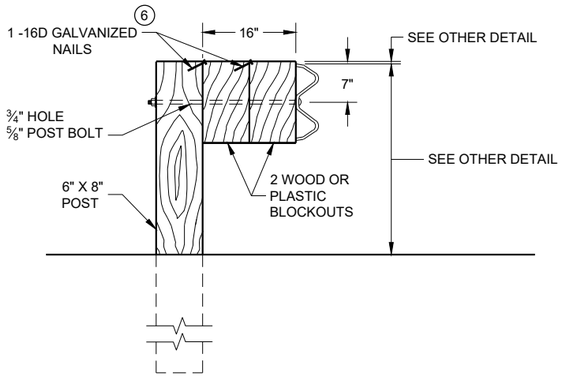
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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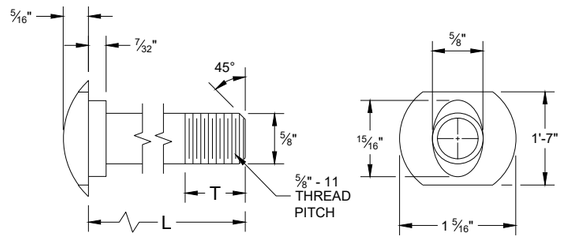


DETAIL FOR 16" BLOCKOUT DEPTH

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.

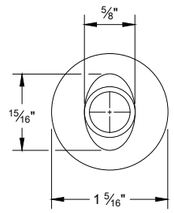
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

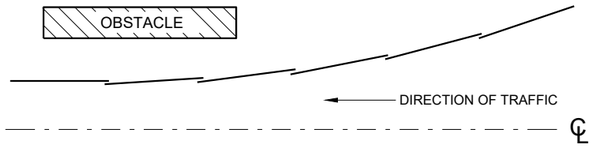


POST BOLT TABLE

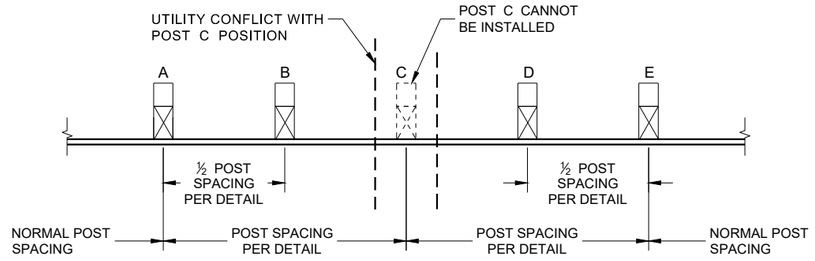
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



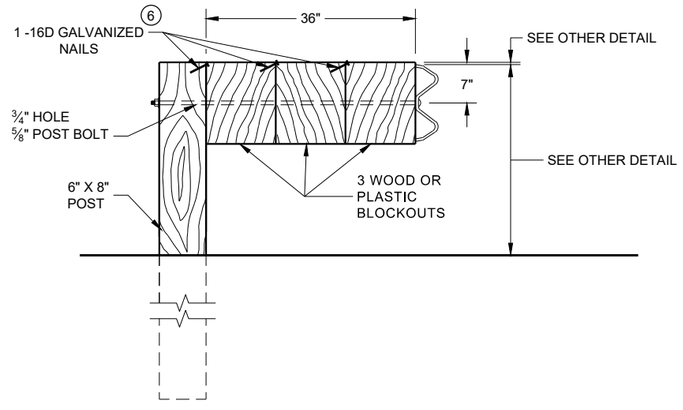
ALTERNATE BOLT HEAD



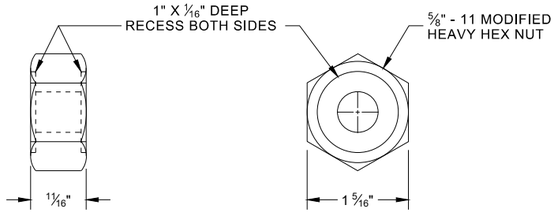
PLAN VIEW
BEAM LAPPING DETAIL



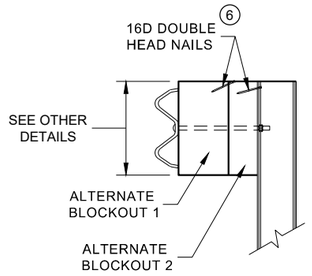
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



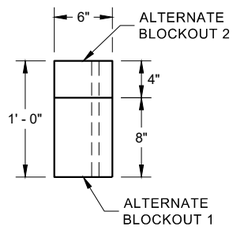
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

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.

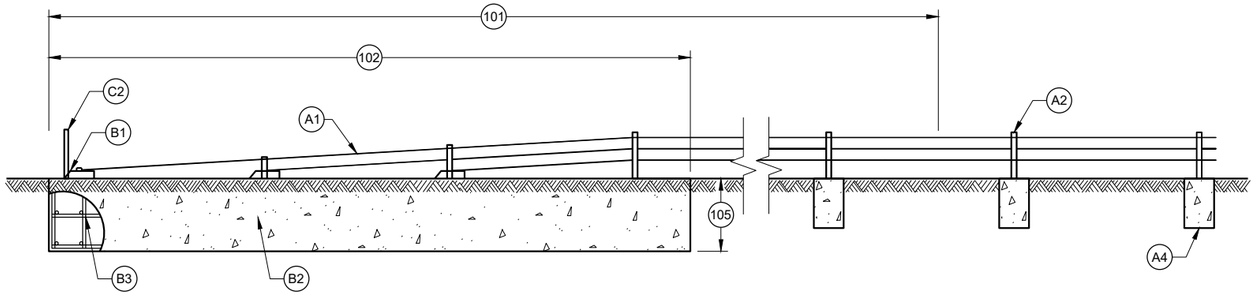
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD 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.

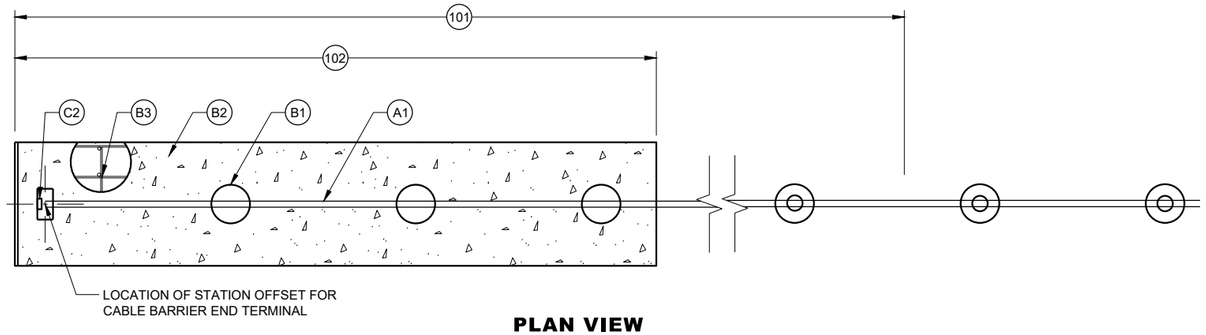
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

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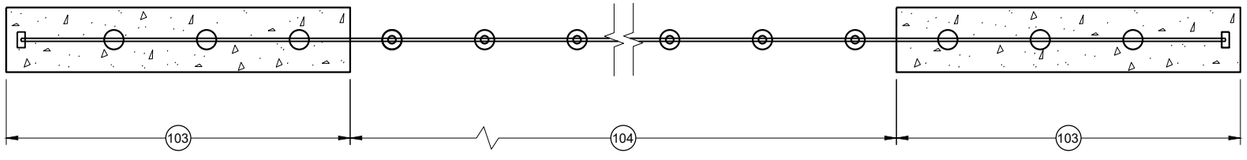


PROFILE VIEW

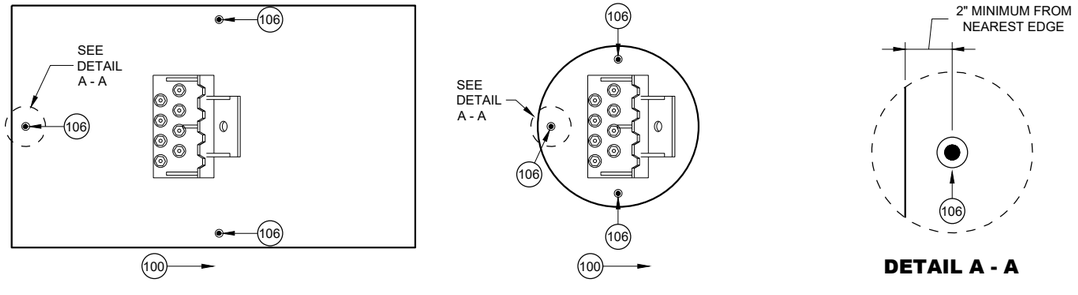


PLAN VIEW

TRANSITION FROM CABLE BARRIER TERMINAL TO CABLE BARRIER LINE POSTS



TYPICAL PLAN VIEW



DETAIL A - A

ANCHOR MONITOR POINTS FOR CABLE BARRIER END TERMINAL ANCHORS

GENERAL NOTES

DRAWINGS ARE GENERAL IN NATURE. SEE MANUFACTURER'S INFORMATION FOR MORE DETAIL.

PROVIDE 2 INCH CLEAR COVER FROM OUTER EDGE OF CONCRETE FOOTINGS TO REINFORCEMENT.

INSTALL LINE POSTS PLUMB. LINE POSTS ARE TO BE EASILY REMOVED BY HAND AND HOLD CABLES AT THE PROPER ELEVATION.

PROVIDE CABLE BARRIER SYSTEM FROM APPROVED PRODUCT LIST.

PROVIDE A SYSTEM TO HAVE THE WORKING WIDTH INDICATED IN PLAN.

PROVIDE DOCUMENTATION HOW POST SPACING, RADIUS OF CURVE AND ANCHOR SPACING INFLUENCES WORKING WIDTH TO CONSTRUCTION STAFF.

CONSTRUCT SHAFTS VERTICALLY. VERTICAL TOLERANCE OF SHAFT IS $\frac{1}{8}$" PER FOOT OF DEPTH. SHAFTS ARE TO MINIMIZE DISTURBANCE TO ADJACENT SOILS.

SECURE STEEL REINFORCEMENT AND STEEL SLEEVE PRIOR TO PLACEMENT OF CONCRETE. MAINTAIN CLEAR DISTANCE BETWEEN SOIL AND REINFORCEMENT CAGE.

PLACE CONCRETE IN ONE CONTINUOUS POUR FOR EACH FOOTING. USE VIBRATION TO CONSOLIDATE CONCRETE.

PROVIDE CASING AS NECESSARY TO PREVENT INTRUSION OF UNCONSOLIDATED MATERIALS OR WATER. USE CASINGS WHEN THERE IS 3 OR MORE INCHES OF WATER IN EXCAVATION.

PROVIDE WISCONSIN PROFESSIONAL ENGINEER SIGNED AND APPROVED FOOTING DESIGN USING A CASING AND CONSTRUCTION SEQUENCE. PROJECT ENGINEER WILL REVIEW AND APPROVED CASING DESIGN AND CONSTRUCTION SEQUENCE. CASING IS TO HAVE INTIMATE CONTACT WITH SHAFT SIDEWALL. CASING IT TO WITHSTAND INSERTION STRESS, REMOVAL STRESS, CONCRETE PRESSURE AND SOIL PRESSURE. REMOVE CASING DURING CONCRETE PLACEMENT OR IMMEDIATELY AFTER CONCRETE PLACEMENT. NO TEMPORARY CASING MAY REMAIN IN-PLACE.

PROVIDE WISCONSIN PROFESSIONAL ENGINEER SIGNED AND APPROVED FOOTING DESIGN AND CONSTRUCTION SEQUENCE WHEN OVER EXCAVATION IS REQUIRED NEAR A FOOTING. PROJECT ENGINEER WILL REVIEW AND APPROVED DESIGN AND CONSTRUCTION SEQUENCE.

FINISH TOP OF FOOTINGS TO THE DIMENSIONS INDICATED IN PLAN. REMOVE EXCESS CONCRETE.

DESIGN POST FOOTINGS SO THAT LINE POST FOOTING MOVE LESS THAN 1 INCH WHEN LINE POST IS IMPACTED BY A NCHRP 350 TL-3 SMALL CAR.

USE MARINE GRADE ANTI-SEIZE LUBRICANT FOR THREADING FITTINGS THAT IS ACCEPTABLE FOR USE ON GALVANIZED STEEL.

(100) DIRECTION THAT THE CABLE PULLS THE END ANCHOR FOOTING

(101) LOCATION OF LENGTH OF NEED POINT FOR CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(102) PAY LIMIT FOR CABLE BARRIER END TERMINAL. LENGTH OF CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(103) CABLE BARRIER END TERMINAL

(104) CABLE BARRIER AND LINE POSTS

(105) IN SOIL MINIMUM DEPTH OF CABLE BARRIER END TERMINAL FOOTING IS 60 INCHES. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

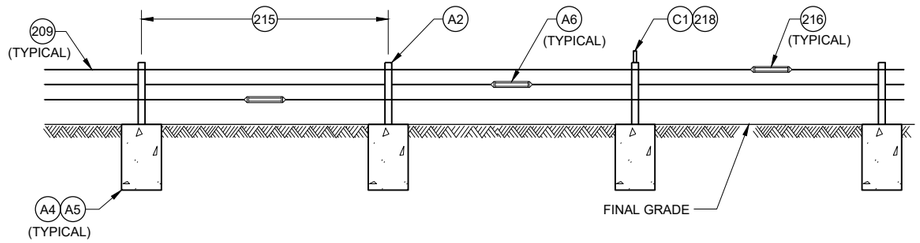
(106) ANCHOR MONITOR POINTS ARE GALVANIZED SURVEY NAIL, OR MASONRY NAIL, PLACED INTO CONCRETE FOOTING BEFORE HARDENING. IF THERE ARE MULTIPLE ANCHOR POINTS WITHIN A PAY LIMIT FOR A CABLE BARRIER END TERMINAL, EACH ANCHOR POINT NEEDS THREE ANCHOR MONITOR POINTS.

CABLE BARRIER TYPE 1 LAYOUT

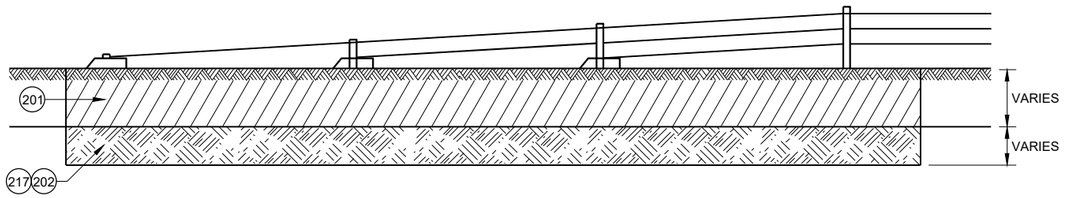
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD14B52 - 03a



PROFILE VIEW
LINE POST INSTALLATION



CABLE BARRIER END TERMINAL
ROCK EXCAVATION DETAIL

GENERAL NOTES

201 SOIL TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES)

202 ROCK TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES)

203 SOIL TO BE EXCAVATED FOR LINE POST (VARIES)

204 ROCK TO BE EXCAVATED FOR LINE POST (VARIES)

205 EXCAVATE AND GRADE LINE FOR LINE POST FOOTINGS. INSTALL LINE POST FOOTING TO MINIMIZE 4 INCH TALL OBJECT ON 5 FOOT CHORD.

206 2 INCHES OF CLEAR COVER FROM EDGE OF CONCRETE TO REINFORCEMENT.

207 DIAMETER OF LINE POST FOOTING VARIES. SEE MANUFACTURERS' INFORMATION.

208 MINIMUM DEPTH OF LINE POST FOOTING IS 4' - 0" IN SOIL. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

209 NUMBER AND LOCATION OF CABLES VARY. SEE MANUFACTURERS' INFORMATION.

210 LINE POST DIMENSIONS AND CONNECTION HARDWARE VARY. SEE MANUFACTURERS' INFORMATION.

211 LANE OF ROADWAY (VARIES). SEE PLAN FOR MORE INFORMATION.

212 PAVED SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

213 GRAVEL SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

214 CABLE BARRIER OFFSET FROM CENTERLINE OF MEDIAN DITCH (8 FOOT MINIMUM). SEE PLAN FOR MORE INFORMATION.

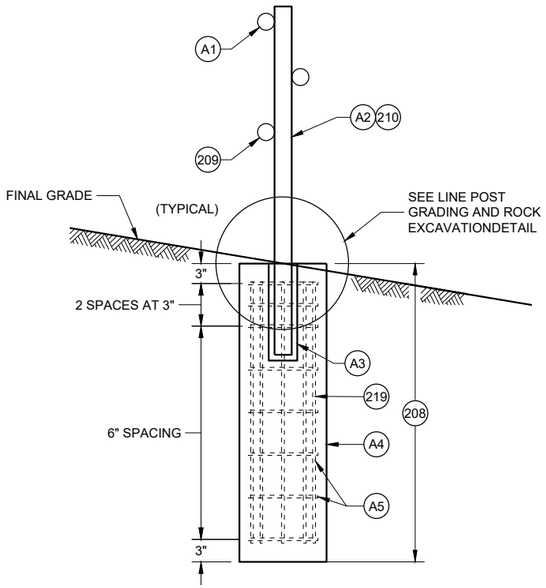
215 MAXIMUM POST SPACING IS 15 FEET.

216 STAGGER TURNBUCKLES (TYPICAL).

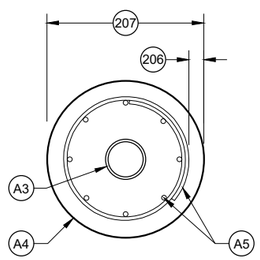
217 SEE MANUFACTURER'S DESIGN WHEN ROCK IS ENCOUNTERED.

218 LINE POST DELINEATOR SPACING IS 100 FEET.

219 MINIMUM LINE POST FOOTING REINFORCEMENT SHOWN. MANUFACTURER IS TO INDICATE REINFORCEMENT IS ADEQUATE FOR THEIR SYSTEM. IF REINFORCEMENT IS NOT ADEQUATE, PROVIDE FOOTING DESIGN WITH A ADEQUATE REINFORCEMENT.

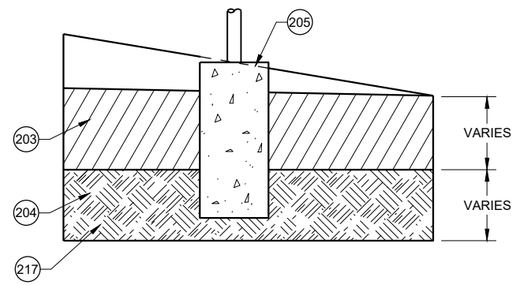


CROSS SECTION

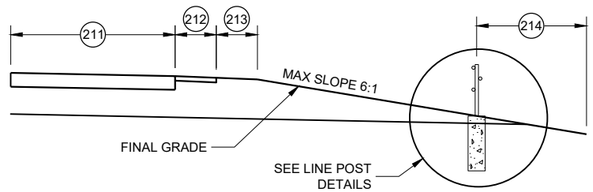


PROFILE VIEW
(LINE POSTS AND CABLES NOT SHOWN)

LINE POST DETAILS



LINE POST GRADING
AND ROCK EXCAVATION DETAIL



CABLE BARRIER OFFSET FROM DITCH LINE

CABLE BARRIER
TYPE 1 LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B52 - 03b

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BILL OF MATERIALS

PART NUMBER	QTY.	DESCRIPTION	MATERIALS SPECIFICATIONS
A1	3 OR 4	¾" 3x7 PRESTRECHED GALVANIZED STEEL WIRE ROPE	AASHTO M30 TYPE 1 CLASS A OR ASTM A741 TYPE 1 CLASS A WITH MINIMUM BREAKING STRENGTH = 39 KIPS (173.5 KN)
A2	1 PER LINE POST	GALVANIZED REMOVABLE STEEL LINE POST	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
A3	1 PER LINE POST	GALVANIZED STEEL SLEEVE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
A4	VARIES	CONCRETE FOR LINE POST FOOTING	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2 OR AS MANUFACTURER SPECIFIES.
			STANDARD SPECIFICATION 716 QMP FOR CLASS II ANCILLARY CONCRETE
			SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
A5	MINIMUM REINFORCEMENT: 8 HORIZONTAL LOOP BARS 8 VERTICAL BARS	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
			ALL BARS ARE NO. 4 BARS
A6	VARIES	TURNBUCKLES AND OTHER CABLE CONNECTING HARDWARE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
			MINIMUM BREAKING STRENGTH OF TURNBUCKLES AND CONNECTION HARDWARE IS EQUAL TO CABLE.
			TURNBUCKLES AND OTHER CABLE CONNECTION HARDWARE IS FIELD SWAGED PER MANUFACTURER'S RECOMMENDATION AND DETAILS.
			PROVIDE DOCUMENTATION THAT THE FITTINGS ARE STRONGER THAN THE CABLE BARRIER. DOCUMENTATION IS TO INCLUDE: MANUFACTURER NAME, TESTING RESULTS, AND DATE OF TESTING.
B1	VARIES	CABLE CONNECTION TO CABLE BARRIER END TERMINAL	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
B2	VARIES	CONCRETE FOR CABLE BARRIER END TERMINAL	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2.
			STANDARD SPECIFICATION 716 QMP FOR CLASS II ANCILLARY CONCRETE
B3	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
C1	VARIES	LINE POST DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVED PRODUCT LIST YELLOW.
C2	VARIES	CABLE BARRIER END TERMINAL DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVED PRODUCT LIST OBJECT MARKER TYPE 3 PATTERN

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6

SDD 14B52 - 03c

SDD 14B52 - 03c

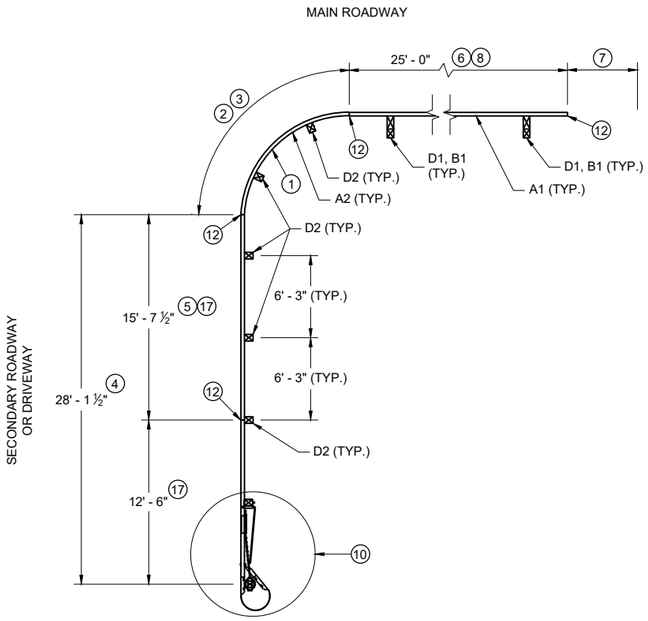
CABLE BARRIER TYPE 1 LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

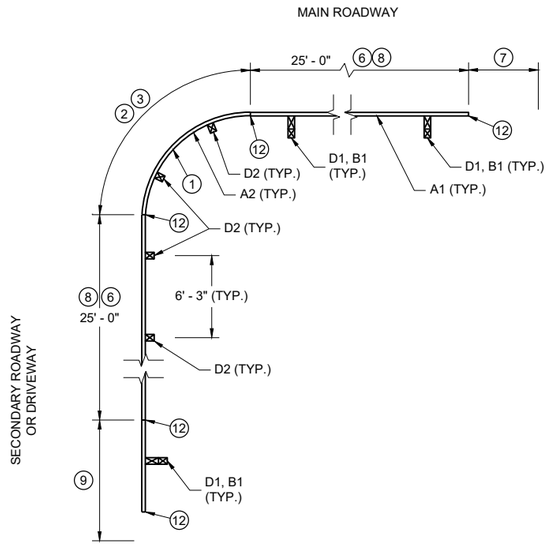
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW

SHORT RADIUS BEAM GUARD WITH SHORT RADIUS TERMINAL ON SECONDARY ROAD OR DRIVEWAY

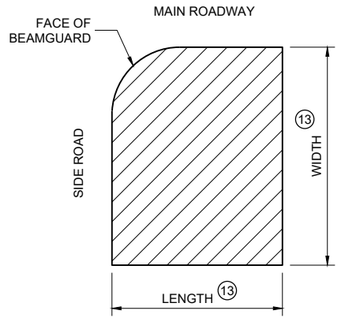


PLAN VIEW

SHORT RADIUS BEAM GUARD WITH EAT, ADDITIONAL BEAM GUARD OR TRANSITION TO RIGID BARRIER ON SECONDARY ROAD OR DRIVEWAY

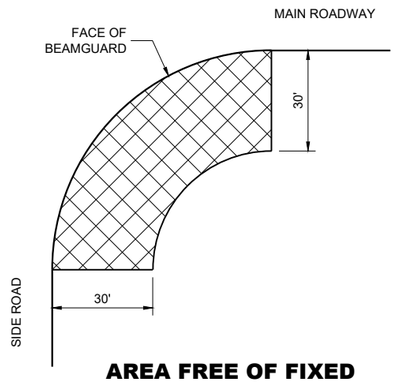
TABLE FOR RADIUS OF 32' AND LESS

RADIUS (FT)	LENGTH (FT)	WIDTH (FT)
8	25	15
16	30	15
24	40	20
32	50	30

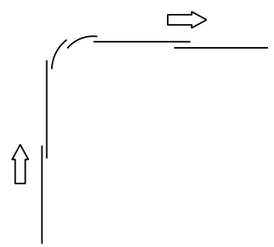


16

AREA FREE OF FIXED OBJECTS FOR RADIUS 32' AND LESS



AREA FREE OF FIXED OBJECTS FOR RADIUS GREATER THAN 32'



LAP SPLICE DETAIL

GENERAL NOTES

SEE PLANS FOR OTHER BARRIER SYSTEM AND LOCATION SPECIFICS.

SEE SDD 14B42 FOR MORE INFORMATION ON BEAM GUARD INSTALLATION, PARTS, MATERIALS, AND INSTALLATION INFORMATION.

GALVANIZE PARTS AFTER FABRICATION.

WELDING TO FOLLOW CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI / AWS D1.1.

UNLESS NOTED OTHERWISE, ALL PLATES ARE FLAT AND FREE OF WARP.

UNLESS NOTED OTHERWISE, ALL EDGES ARE SMOOTH, STRAIGHT AND VERTICAL.

ALL CUTS AND HOLES, EXCEPT IN BEAM GUARD RAIL ARE TO BE MACHINED OR MACHINE FLAME CUT.

UNLESS NOTED OTHERWISE, CUT OR PROVIDE BOLTS THAT ARE ¼" TO ½" BEYOND THE NUT.

DRAWINGS ARE NOT TO SCALE.

(1) RADIUS MEASURE FROM INSIDE OF RAIL. LENGTH OF BEAM GUARD SHORT RADIUS GUARD MEASURED ALONG TRAFFIC SIDE OF RAIL. RADIUS BETWEEN 8 FEET TO 150 FEET. SEE PLAN FOR REQUIRED RADIUS. BEAM GUARD RAIL IN RADIUS IS SHOP BENT. ODD RAIL LENGTH OR FIELD CUTS MAY BE REQUIRED.

(2) CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE USED IN THE RADIUS. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE SPACED 6' - 3". SEE PLAN FOR NUMBER OF CONTROLLED RELEASE (CRT) POSTS.

(3) WITHIN RADIUS BEAM GUARD RAILS ARE NOT BOLTED TO POSTS. BEAM GUARD RAIL IS RESTED ON TOP OF LAG SCREW.

(4) MINIMUM LENGTH OF BEAM GUARD ALONG SIDE ROAD OR DRIVEWAY TO INSTALL SHORT RADIUS TERMINAL. BEAM GUARD IS PAID WITH BEAM GUARD ITEM.

(5) ODD LENGTH OF BEAM GUARD REQUIRED TO INSTALL SHORT RADIUS TERMINAL.

(6) MINIMUM AMOUNT OF BEAM GUARD TO BE INSTALLED PRIOR TO TRANSITION TO RIGID BARRIER. ADDITIONAL BEAM GUARD, OR EAT. BEAM GUARD PAID FOR WITH BEAM GUARD ITEM. SEE PLANS FOR MORE DETAIL.

(7) BEAM GUARD, EAT, OR TRANSITION TO RIGID BARRIER. SEE PLAN.

(8) TOP OF BEAM GUARD BY THE RADIUS IS 27". HEIGHT OF BEAM GUARD IS 31" BY TRANSITION TO RIGID BARRIER, ADDITIONAL BEAM GUARD OR EAT.

(9) ADDITIONAL BEAM GUARD, EAT OR TRANSITION TO RIGID BARRIER. BEAM GUARD SHOWN. SEE PLAN FOR DETAILS.

(10) SHORT RADIUS TERMINAL (SEE OTHER DETAILS).

(11) HEIGHT VARIES. SEE NOTE (8) AND (17).

(12) BEAM GUARD RAIL SPLICE LOCATION. SPLICE LOCATION REQUIRES PART F1 AND F2. SEE SDD 14B42 FOR DETAILS.

(13) SEE TABLE FOR VALUES.

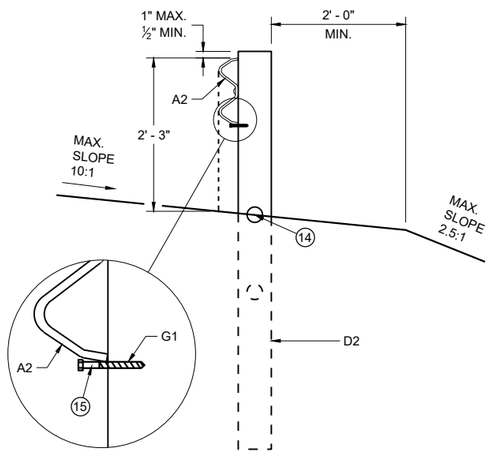
(14) MAXIMUM HEIGHT FOR CENTER OF HOLE IS ¾ " ABOVE FINISHED GROUND ±1".

(15) DRILL POST $^{15}/_{64}$ " DIA. PILOT HOLE. DO NOT HAMMER LAG SCREW INTO POST.

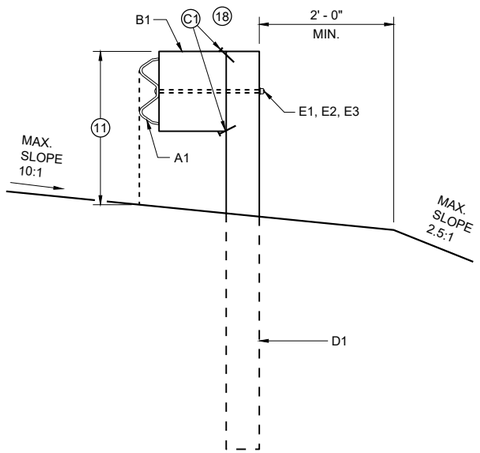
(16) SMALL SIGNS ON BREAKAWAY HARDWARE ARE ACCEPTABLE.

(17) TOP OF RAIL HEIGHT IS 27" WHEN USING A SHORT RADIUS TERMINAL (CRT).

(18) INITIAL 1 NAIL AT EACH CORNER OF THE BLOCK TO CONNECT BLOCKS.



CONTROLLED RELEASE TERMINAL POST (CRT) IN RADIUS



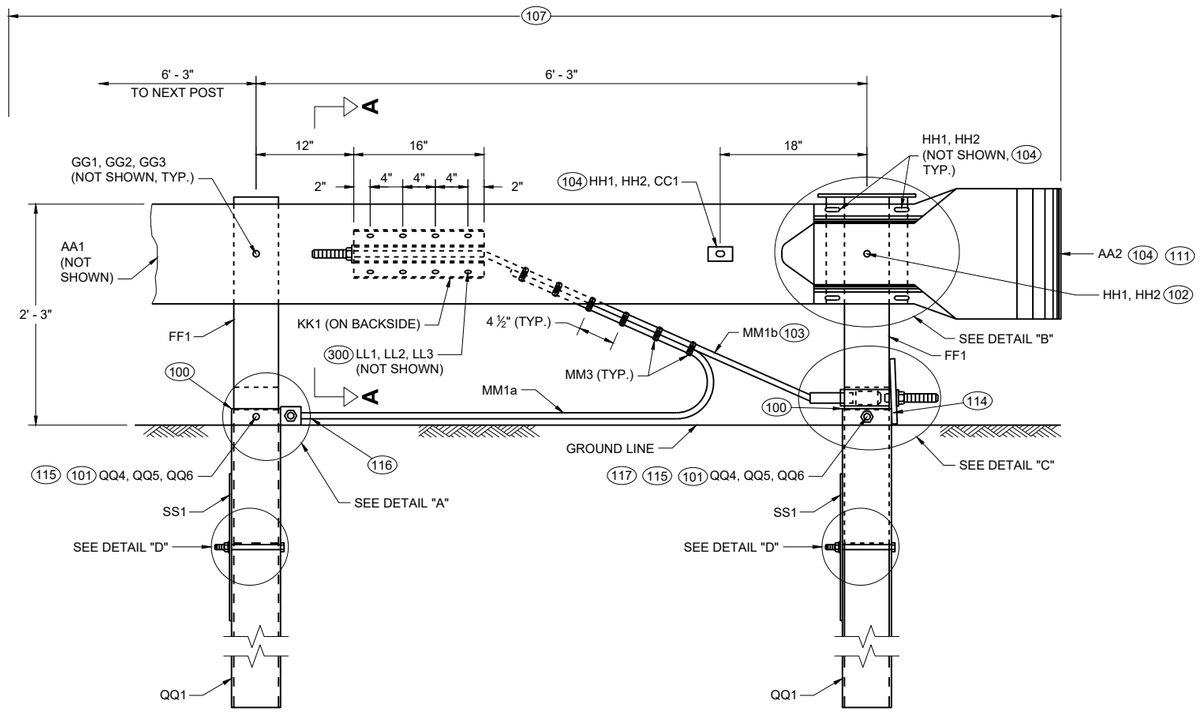
BEAM GUARD POSTS IN HEIGHT TRANSITION

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

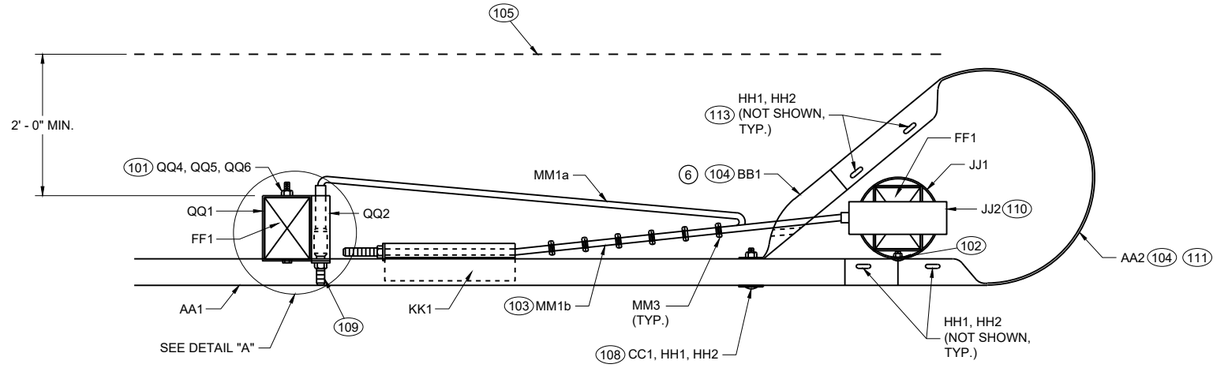
6

SDD 14B53-04a



PROFILE VIEW

SHORT RADIUS TERMINAL



TOP VIEW

SHORT RADIUS TERMINAL

GENERAL NOTES

(100) TOP OF FOUNDATION TUBE 2 INCHES MAXIMUM ABOVE FINISHED GROUND.

(101) WASHERS REQUIRED BETWEEN BOLT HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

(102) SPLICE BOLT AND NUT CONNECTS BEAM GUARD RAIL, W-BEAM SECTION BUFFER, AND STEEL PIPE ASSEMBLY. NO WASHER REQUIRED. SEE DETAIL "B".

(103) CABLE IS TAUT.

(104) ADJUST AA2 AND BB1 TO FIT.

(105) BREAK POINT OF SHOULDER.

(106) TACK WELD CABLE CONNECTOR TUBE PLATE TO CABLE CONNECTION TUBE. SEE DETAIL "A" PROFILE VIEW.

(107) PAY LIMIT FOR BEAM GUARD.

(108) SQUARE WASHER BETWEEN HEAD OF BOLT AND TRAFFIC FACE OF BEAM GUARD. ROUND WASHER REQUIRED BETWEEN NUT AND BB1.

(109) CUT OR PROVIDE THREADED STUD THAT IS FLUSH WITH FACE OF BEAM GUARD RAIL KK1 (PLUS OR MINUS 1/2" TOLERANCE). DEBURR AFTER CUTTING.

(110) SEE STEEL PIPE ASSEMBLY DETAILS.

(111) ATTACH UU2 WITH UU3. SHOP APPLY UU1 TO UU2.

(112) FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA1 TO AA2.

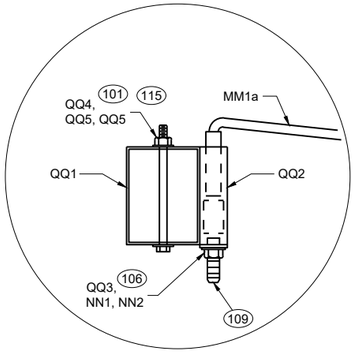
(113) FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA2 TO BB1.

(114) NO MATERIAL IS TO BE PLACED AGAINST THE VERTICAL FACES OF BEARING PLATE.

(115) PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLTS FOR POST AND SOIL TUBE.

(116) PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLT. PLACE CABLE ON TOP OF MATERIAL.

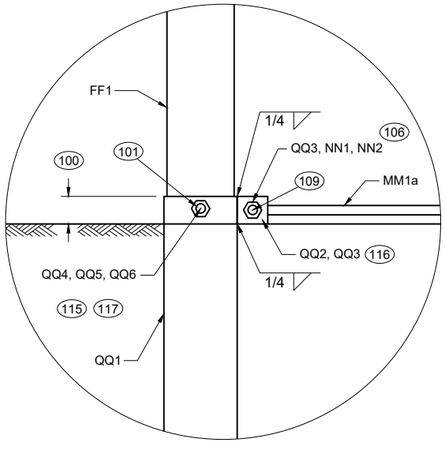
(117) ONE WASHER BETWEEN BOLD HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.



TOP VIEW

DETAIL "A"

(WOOD BREAKAWAY AND BEAM GUARD RAIL POSTS NOT SHOWN)



PROFILE VIEW

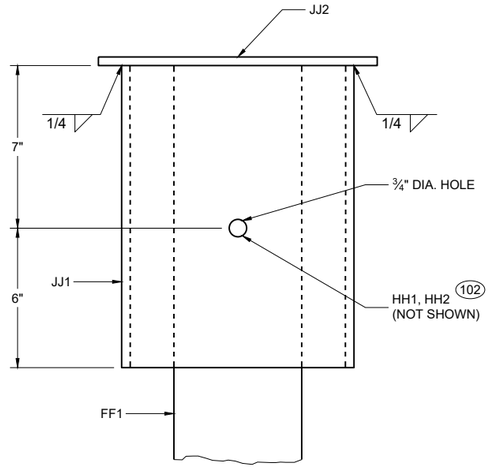
DETAIL "A"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

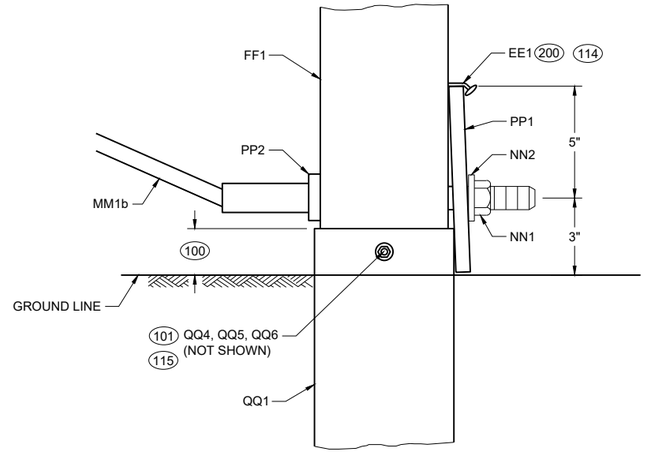
GENERAL NOTES

(200) TWO (2) NAILS SPACED 4 INCHES CENTER TO CENTER.



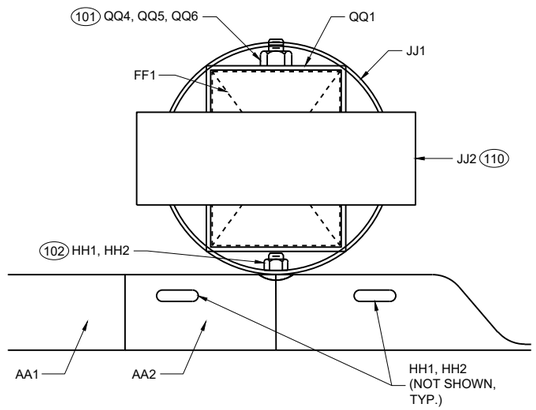
PROFILE VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY
(BEAM GUARD AND W BEAM END SECTION NOT SHOWN)



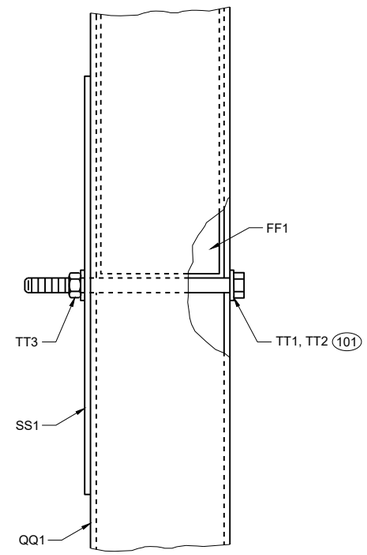
PROFILE VIEW

DETAIL "C"



PLAN VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY



PROFILE VIEW

DETAIL "D"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

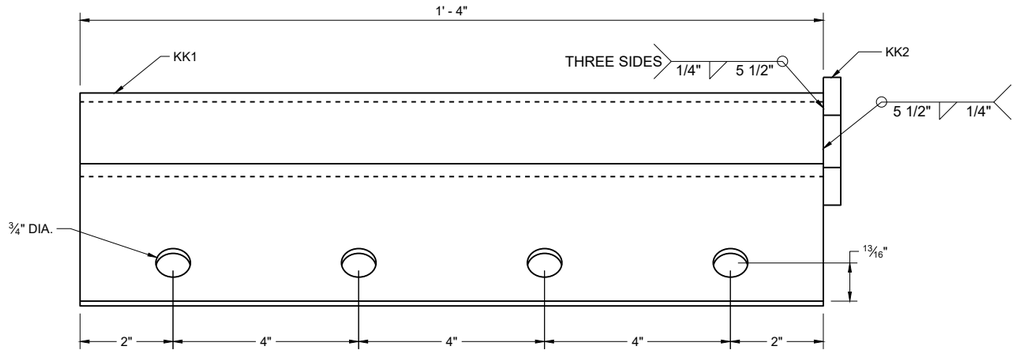
SDD 14B53-04c

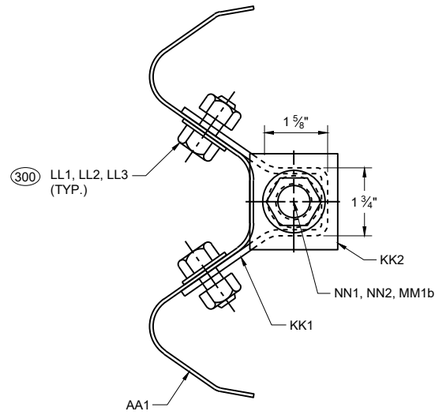
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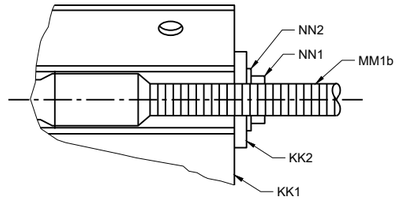
SDD 14B53-04c

GENERAL NOTES

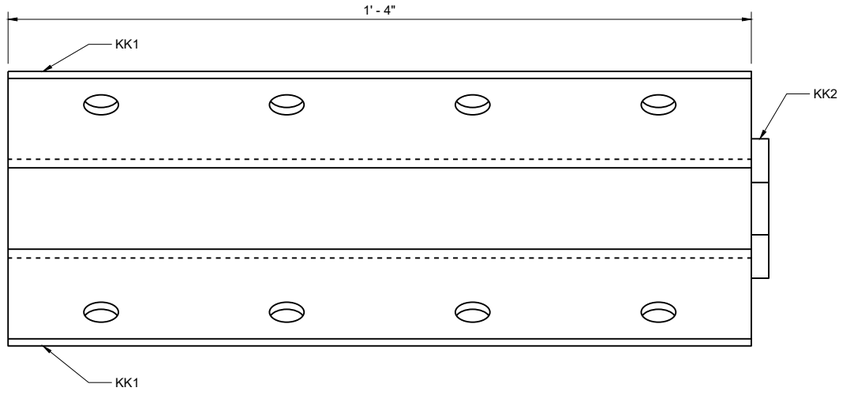
(300) WASHERS REQUIRED BETWEEN BOLT HEAD AND BEAM GUARD RAIL AND BETWEEN NUT AND ANCHOR BRACKET. EIGHT (8) LL1 AND LL3 REQUIRED. SIXTEEN (16) LL2 REQUIRED.

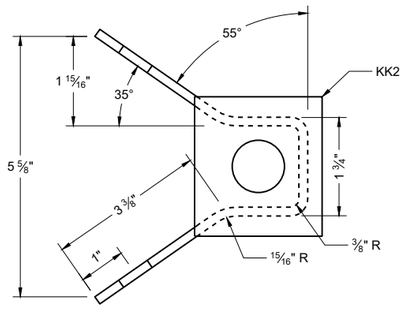




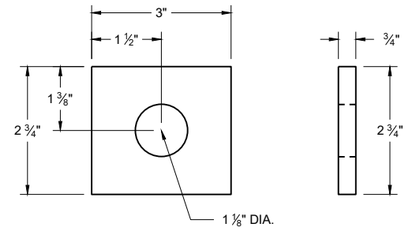


SECTION A - A





ANCHOR BRACKET (KK1, KK2)



ANCHOR BRACKET BEARING PLATE (KK2)

6

SDD 14B53-04d

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

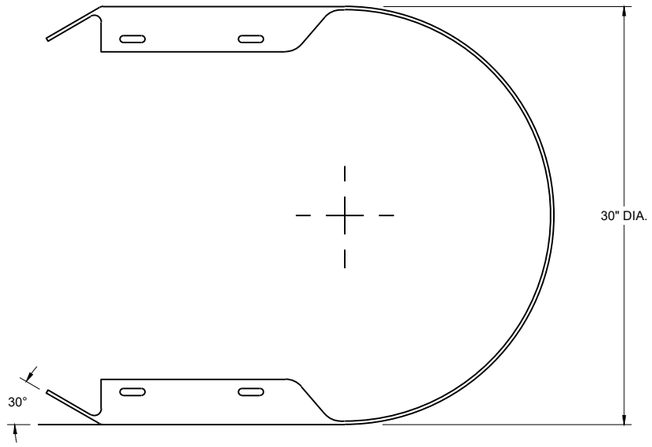
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SDD 14B53-04d

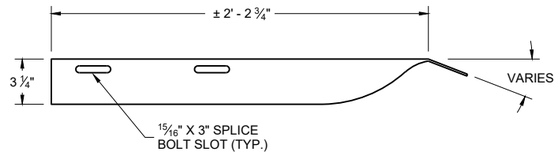
GENERAL NOTES

(400) CROSS SECTION OF PART IS TO FIT OVER AA1 .

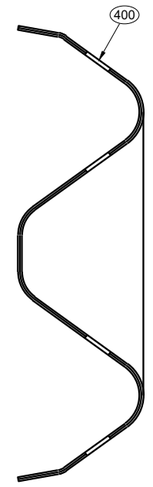
(401) CROSS SECTION OF PART IS TO FIT OVER OR UNDER AA1 .



TOP VIEW



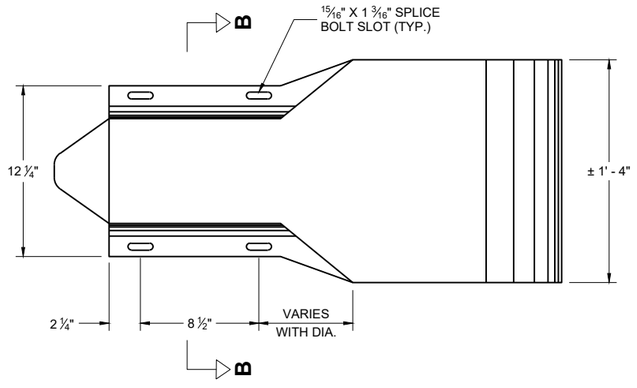
TOP VIEW



SECTION B -B

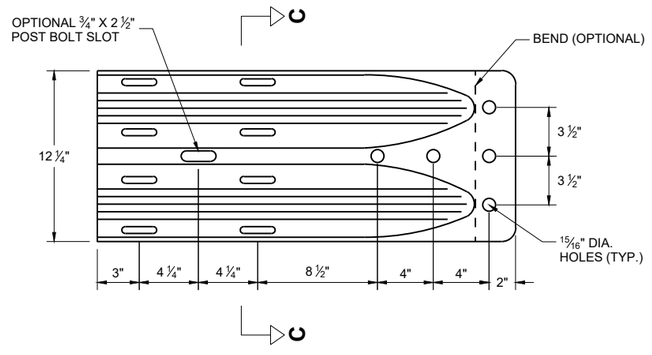


SECTION C -C



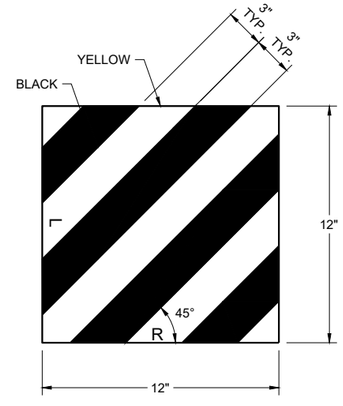
PROFILE VIEW

W BEAM
END SECTION BUFFER (AA2)



PROFILE VIEW

W BEAM
TERMINAL CONNECTOR (BB1)



REFLECTIVE SHEETING (UU1, UU2)

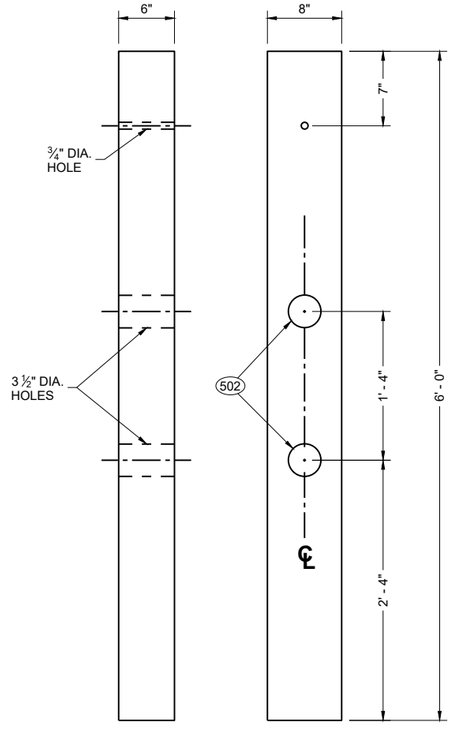
SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

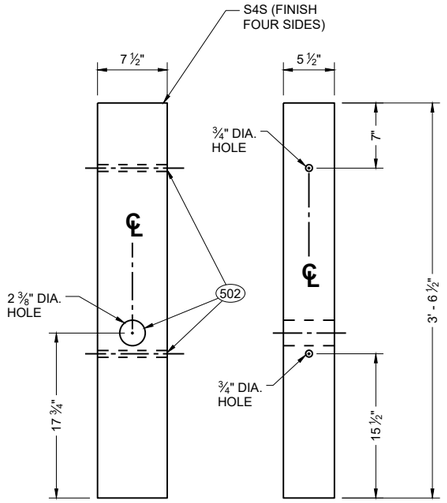
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SDD 14B53-04e

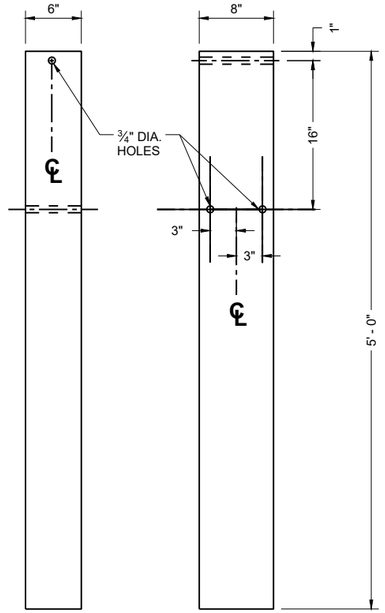
SDD 14B53-04e



CONTROLLED RELEASE POST (CRT) (DD2)



WOOD BREAKAWAY POST (FF1)



FOUNDATION TUBE (QQ1) (500)

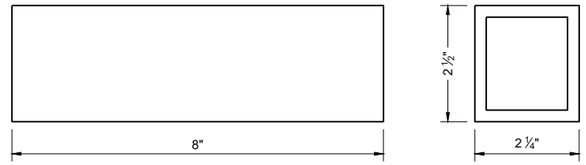
GENERAL NOTES

(500) SEE DETAIL "D" FOR LOCATION AND ATTACHMENT OF SS1.

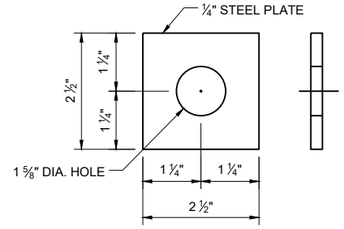
(501) FOR MM1a THREADED STUD ONLY REQUIRED ON ONE END. SWAGED FITTING REQUIRED.

(502) LOCATE HOLES ON THE CENTERLINE OF THE SIDE OF THE POST.

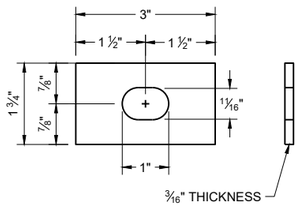
(503) MM1a MAY HAVE ONE THREADED STUD 4 INCHES LONG. SEE NOTE (109)



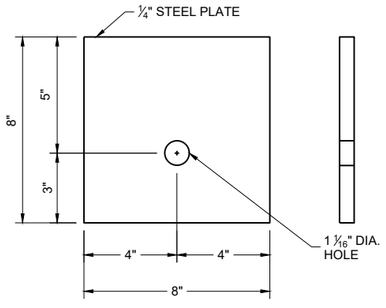
FOUNDATION TUBE - ANCHOR CABLE TUBE (QQ2)



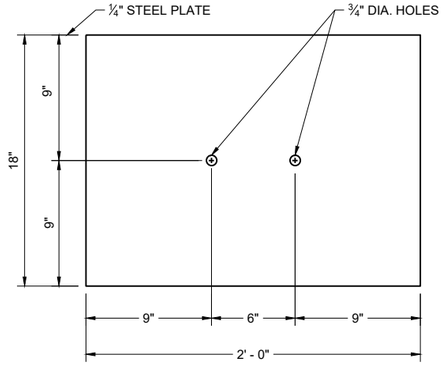
ANCHOR CABLE TUBE END PLATE (QQ3)



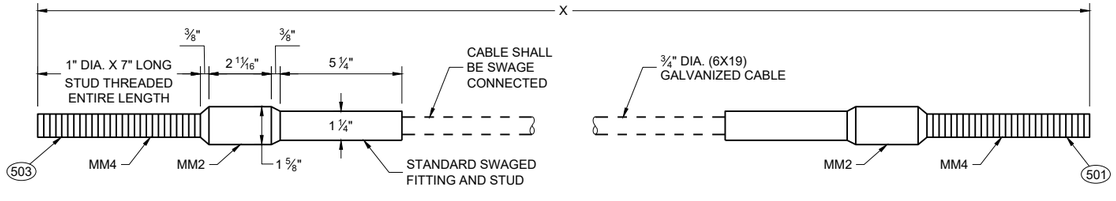
RECTANGULAR PLATE WASHER (CC1)



BEARING PLATE (PP1)



SOIL PLATE (SS1)



CABLE ASSEMBLY (MM1a, MM1b)

"X" LENGTH

MM1b	9' - 0"
MM1b	6' - 8"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	BEAM GUARD RAIL	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
A2	BEAM GUARD RAIL - SHOP BENT	INDICATE ON BACK OF RAIL THE RADIUS THAT RAIL WAS BENT TO. SHOP BEND RADIUS IS TO THE NEAREST FOOT. FOLLOW AASHTO M180 ON HOW TO MARK RADIUS INFORMATION.	
		AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
B1	BLOCK - WOOD	WISDOT SPEC. 614	SEE SDD 14B42
C1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEAD)	
D1	POST-STRONG POST-WOOD	WISDOT SPEC. 614	SEE SDD 14B42
D2	POST-CRT-WOOD	WISDOT SPEC. 614	
E1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
E2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
E3	POST BOLT - NUT	AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
F1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
F2	SPLICE BOLT - NUT	ASTM A563 GRADE A	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
G1	LAG SCREW	ASTM A308 GRADE A ASTM A153 CLASS D	1/2" DIA. 6" LONG
H1	DELINEATOR - BEAM GUARD		SEE SDD 14B42 FOR MORE INFORMATION
H2	DELINEATION - SHEETING	YELLOW OR WHITE	
		WISDOT SPEC 637 TYPE SH	
		APPROVED PRODUCT LIST	
J1	FOUNDATION BACKFILL	STANDARD SPEC. 614	
AA1	BEAM GUARD RAIL - PUNCHED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
AA2	BEAM GUARD RAIL - END SECTION BUFFER	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
BB1	BEAM GUARD RAIL - TERMINAL CONNECTOR MODIFIED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
CC1	SHORT RADIUS - SQUARE WASHER	AASHTO M180	
		GALV. AASHTO M111 / ASTM A123	
EE1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)	
FF1	POST - BCT - WOOD	S4S FINISH ON 4 SIDES	
		WISDOT SPEC. 614	
GG1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		UNC	
GG2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	3/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C/ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53-04g

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
GG3	POST BOLT - NUT	ASTM A563 GRADE A	3/8" DIA. SEE 14B42 FOR GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
HH1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180 HEAD GEOMETRY	
HH2	SPLICE BOLT - NUT	ASTM A563 GRADE A	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
JJ1	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	10" O.D.
JJ2	TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 3/8" X 4" X 1' - 0"
		GALV. AASHTO M111 / ASTM A123	
KK1	ANCHOR BRACKET	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
KK2	ANCHOR BRACKET - BEARING PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
LL1	ANCHOR BRACKET - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
LL2	ANCHOR BRACKET - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
LL3	ANCHOR BRACKET - NUT	ASTM A563 GRADE A	5/8" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
MM1a	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM1b	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM2	ANCHOR CABLE - SWAGE FITTING	ASTM A576 GRADE 1035	
		SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. WITH A BREAKING STRENGTH 40,000 LBS.	
		GALV. AASHTO M111 / ASTM A123	
		ASME B30.26 FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING INTO CONNECTION: NAME OF MANUFACTURER OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE.	
MM3	WIRE ROPE CABLE CLAMPS	FF-C-450D TYPE 1 CLASS 1	3/4"
		ASTM A153 HOT DIP CLASS D	
MM4	ANCHOR CABLE - SWAGE FITTING - STUD	ASTM F3125 GRADE A325 TYPE 1 OR SAE GRADE 5 OR ASTM A449 TYPE 1 HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
NN1	ANCHOR CABLE - NUT	ASTM A563 GRADE A	1" DIA.
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
NN2	ANCHOR CABLE - NUT - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	1" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53-04h

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
PP1	BEARING PLATE AT POST	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
PP2	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	2" DIA. x 6" LONG
QQ1	FOUNDATION TUBE	ASTM A500 GRADE B	8" X 6" X 3/16"
		GALV. AASHTO M111 / ASTM A123	
QQ2	SHORT RADIUS - FOUNDATION TUBE - ANCHOR CABLE - TUBE	ASTM A500 GRADE B	DIMENSIONS 2 1/2" X 2 1/4" X 1/4" X 8"
		GALV. AASHTO M111 / ASTM A123	
QQ3	SHORT RADIUS - SOIL TUBE - ANCHOR CABLE - TUBE - END PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 2 1/2" X 2 1/2" X 1/4"
		GALV. AASHTO M111 / ASTM A123	
QQ4	GROUND STRUT AND YOKE - BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
		ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	
		UNC	
QQ5	GROUND PLATE AND YOKE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
QQ6	GROUND STRUT AND YOKE - NUT	HEAVY HEX	5/8 DIA.
		UNC	
		ASTM A563 GRADE A	
		OVER TAPPED NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
SS1	SOIL PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / A123	
TT1	SOIL PLATE - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8 DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
TT2	SOIL PLATE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
TT3	SOIL PLATE - NUT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
UU1	OBJECT MARKER - SHEETING	MUTCD / WISDOT OBJECT MARKER TYPE 3	PATTERN AND COLOR FOR SHEETING. SHEETING TYPE FOR MARKER.
		WISDOT SPEC 637 TYPE F	
		APPROVED PRODUCT LIST	
UU2	OBJECT MARKER - ALUMINUM PLATE	WISDOT SPEC 637 ALUMINUM PLATE	MATERIAL AND THICKNESS OF MATERIALS
UU3	OBJECT MARKER - SCREWS	STAINLESS SELF-TAPPING SCREWS	
VV1	FOUNDATION BACKFILL	WISDOT SPEC 614	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

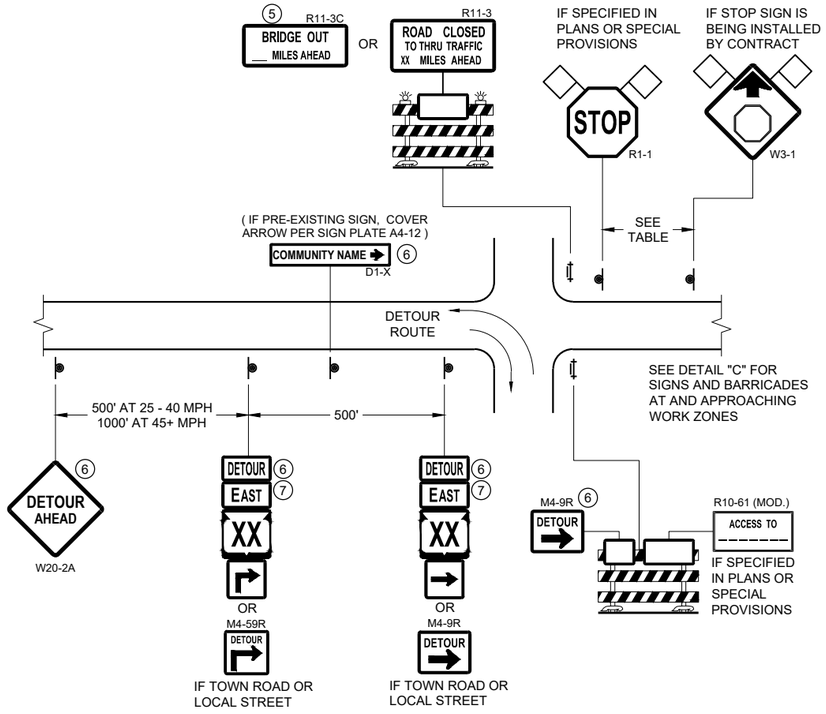
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

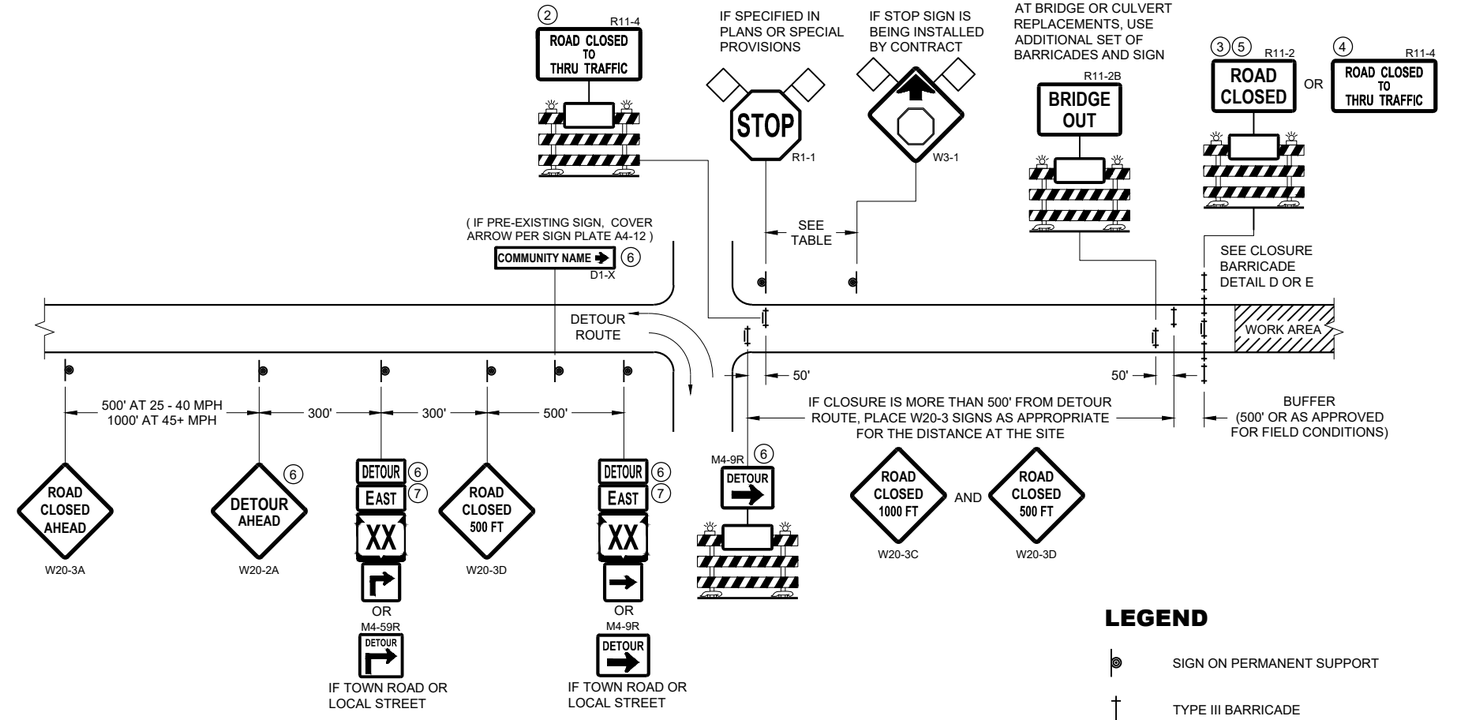
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SDD 14B53-04i



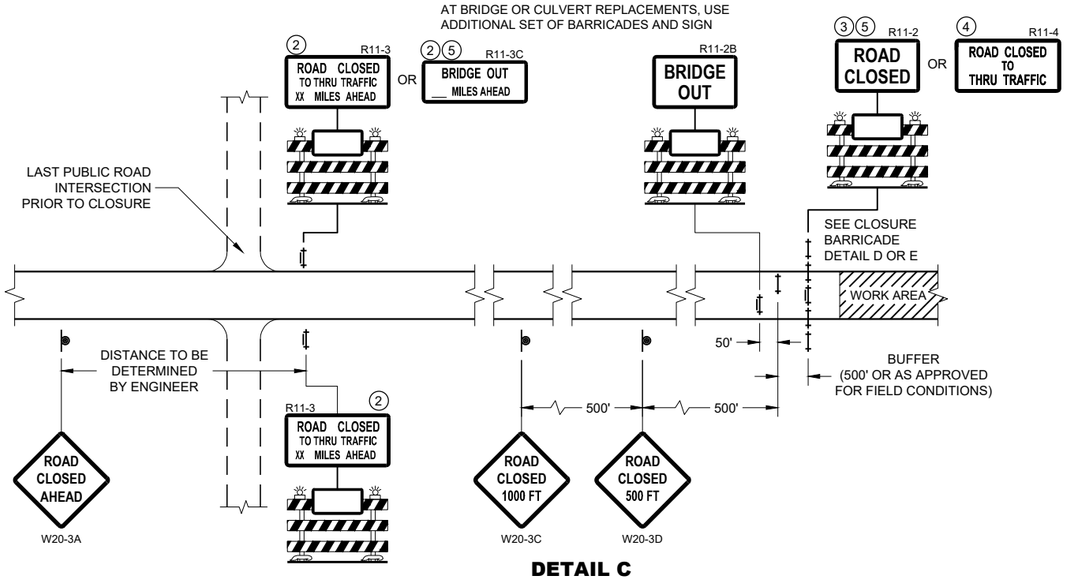
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO 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
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

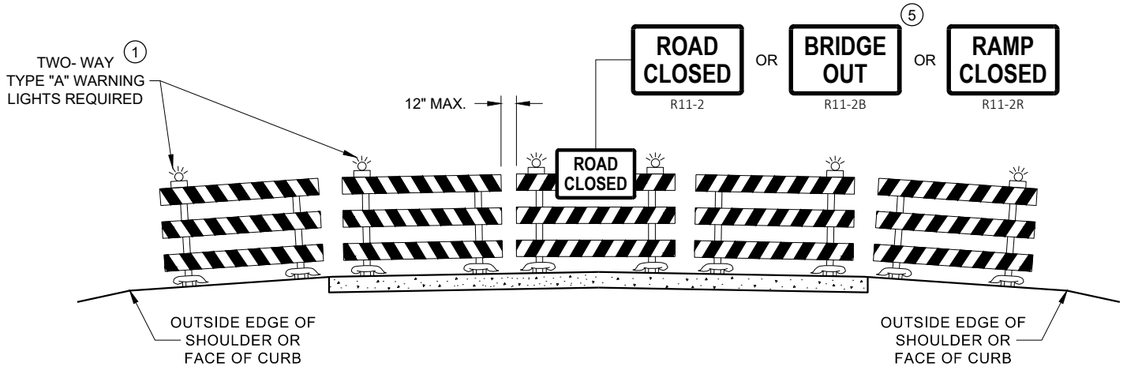
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

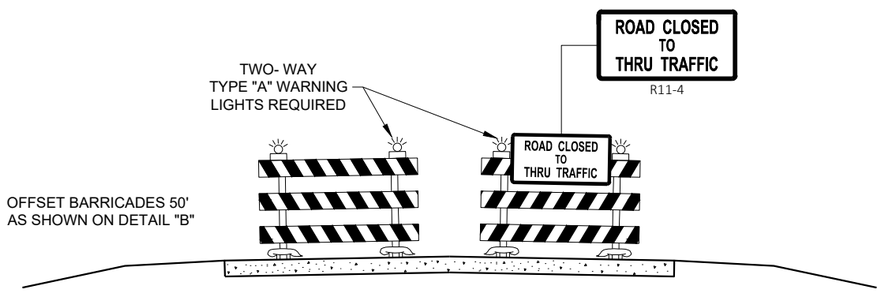
FHWA

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SDD 15C02 - 09a



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 THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL 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 SHALL, 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" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- 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 AN 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 ROAD 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 VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b

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SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

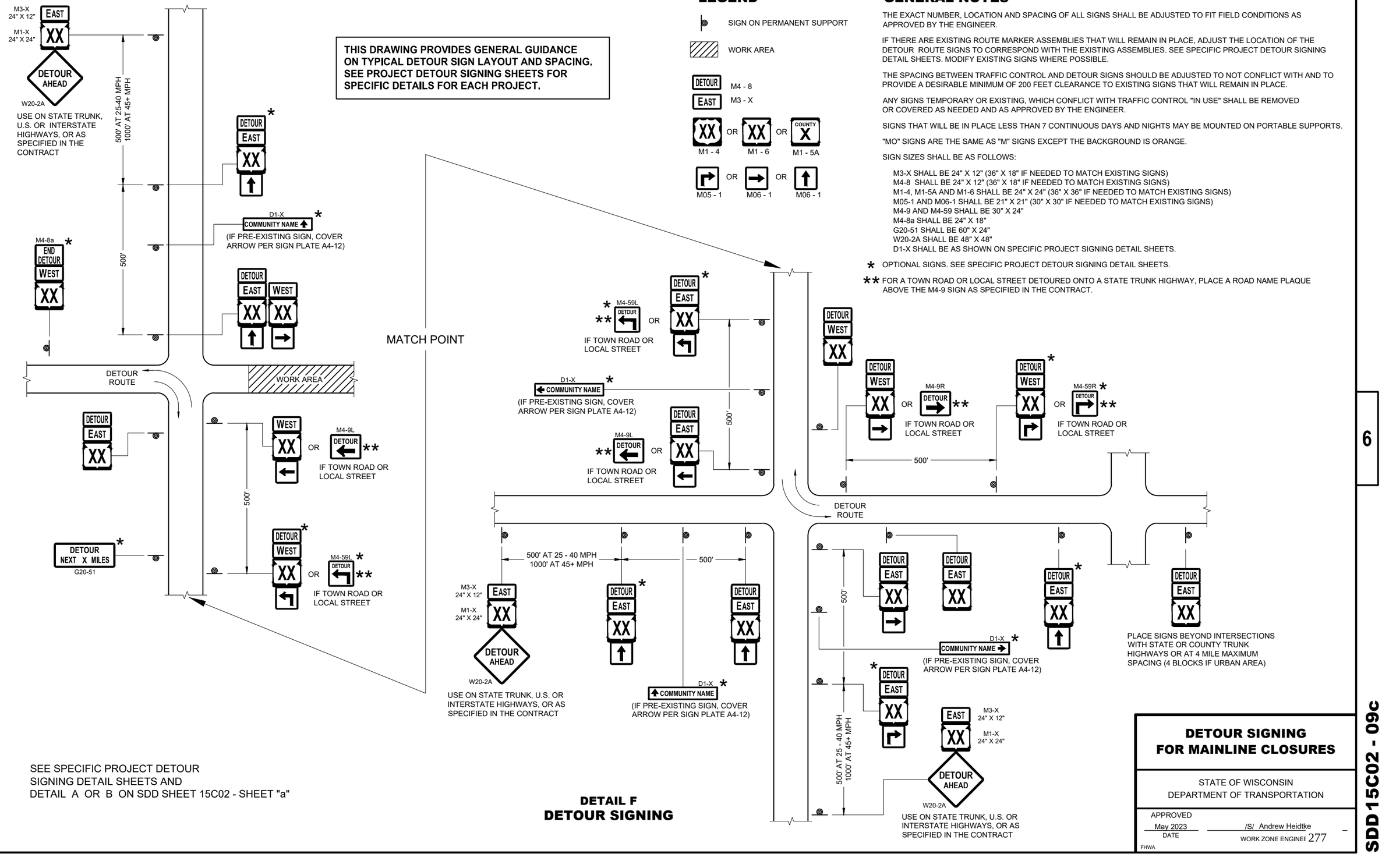
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" 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)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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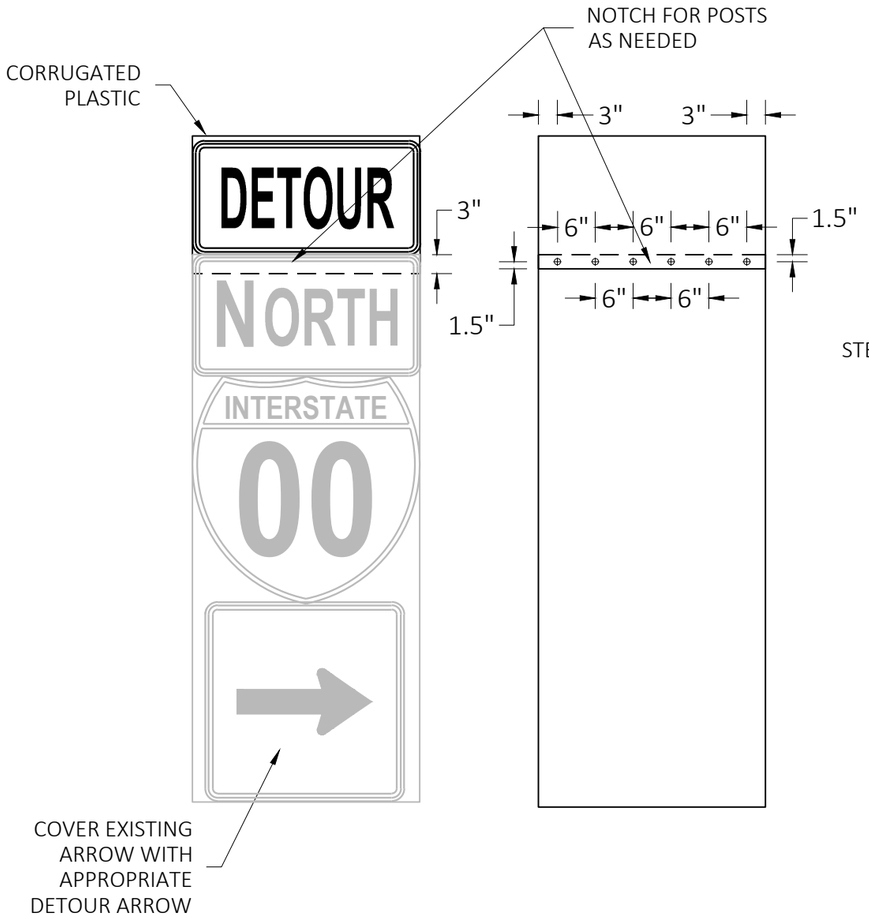
SDD 15C02 - 09c

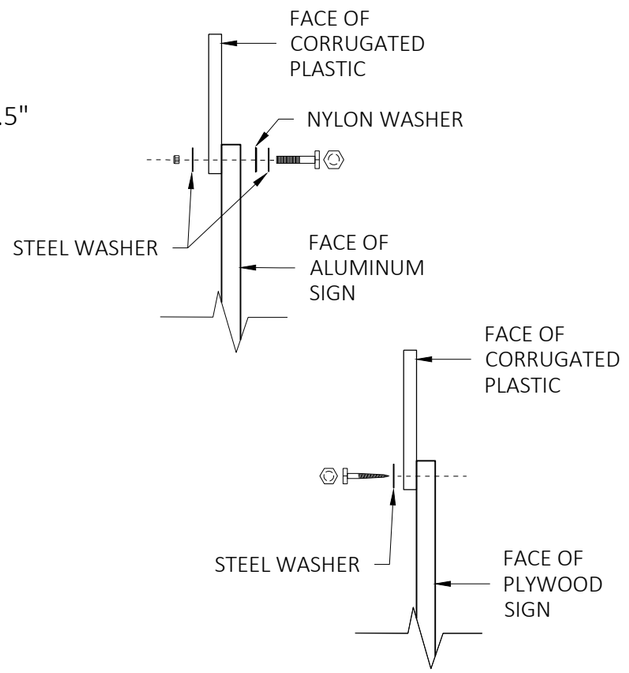
SDD 15C02 - 09c

FRONT SIDE

BACK SIDE

SIDE VIEW





GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS 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, SC3

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.

PLYWOOD SIGNS:
LAG SCREWS - 5/16" x 1"
ALUMINUM SIGNS:
MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS
WASHERS:
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

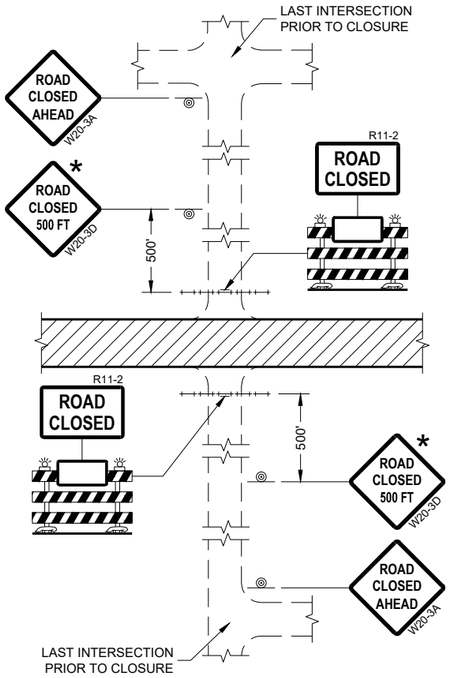
MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

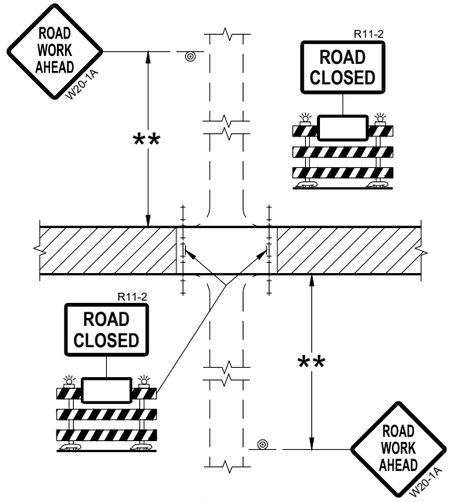
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVEL ENGINEER
FHWA

6
SDD 15C02-09h



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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 (500 FEET DESIRABLE) 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 REESTABLISHED.

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

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN 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.

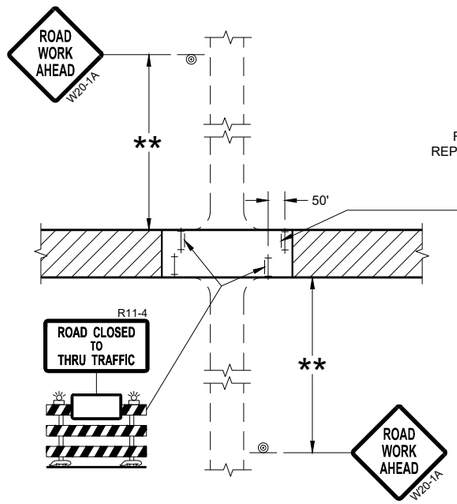
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

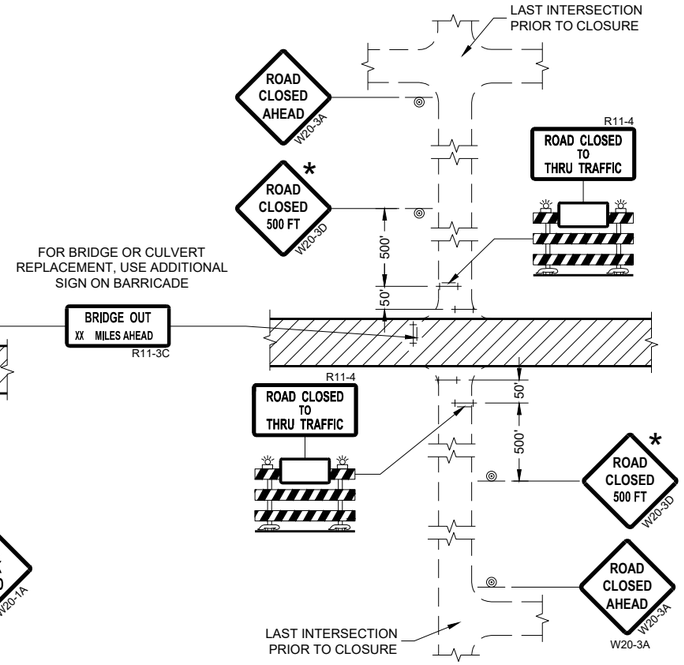
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

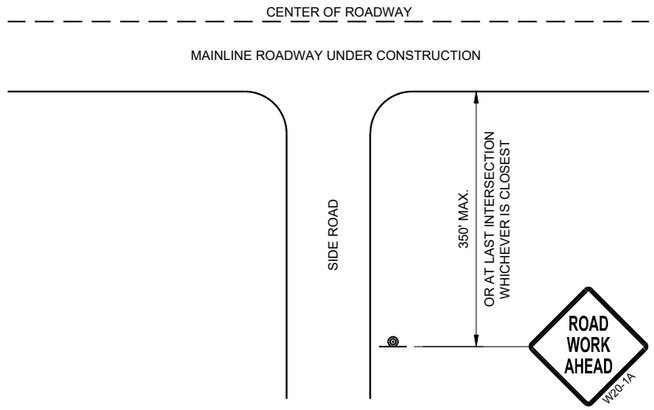
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

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 REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



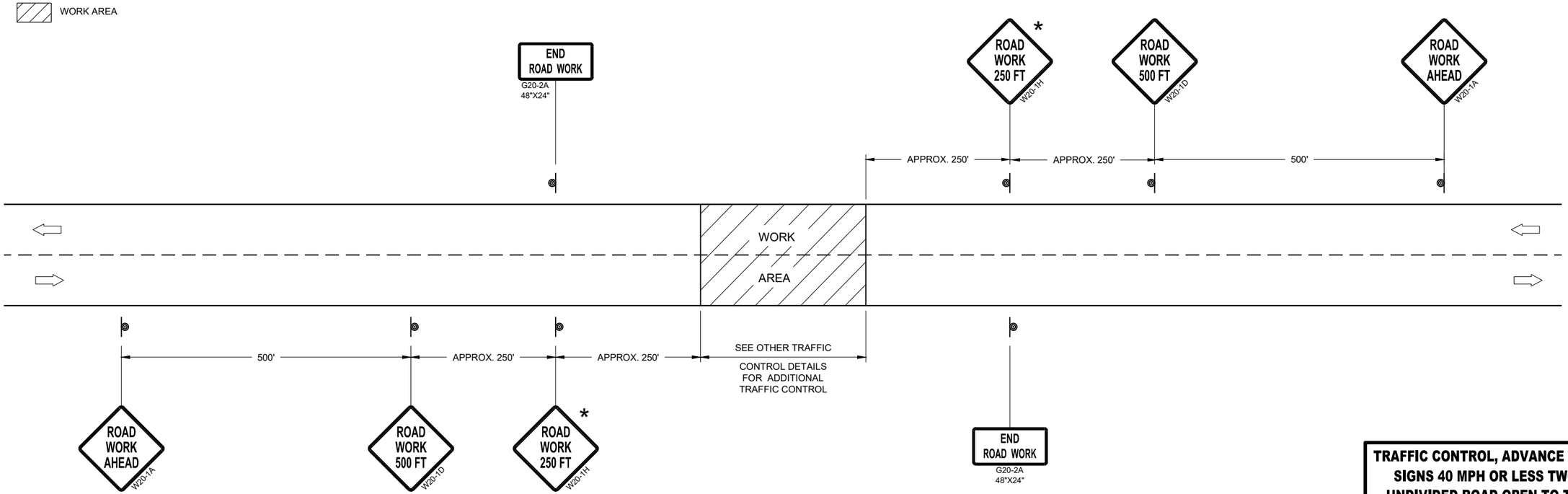
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

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WORK ZONE ENGINEE

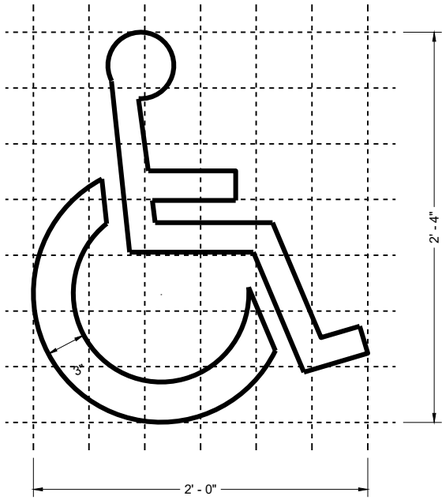
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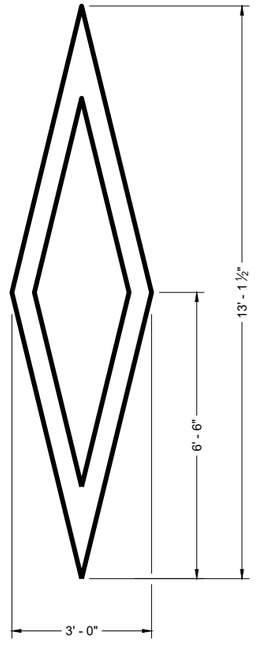
SDD 15C05 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

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SDD 15C07-16a

SDD 15C07-16a

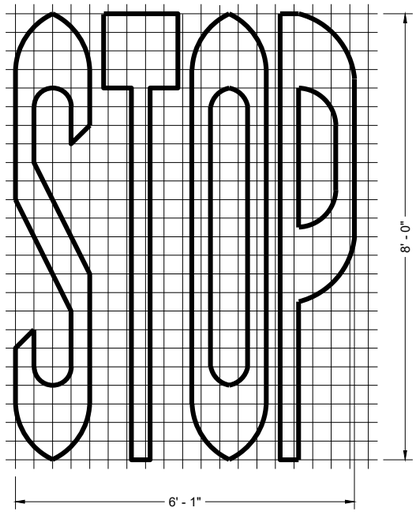
PAVEMENT MARKING SYMBOLS

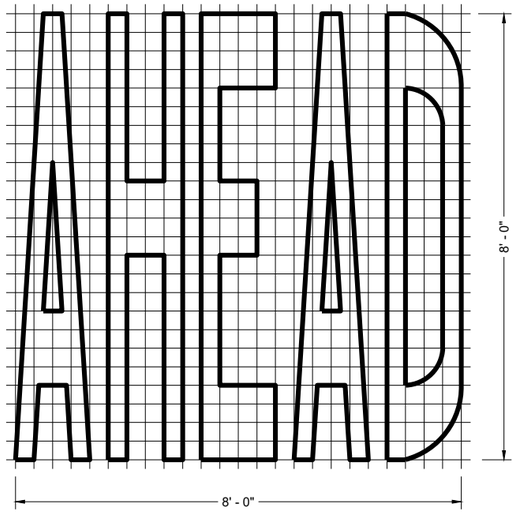
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

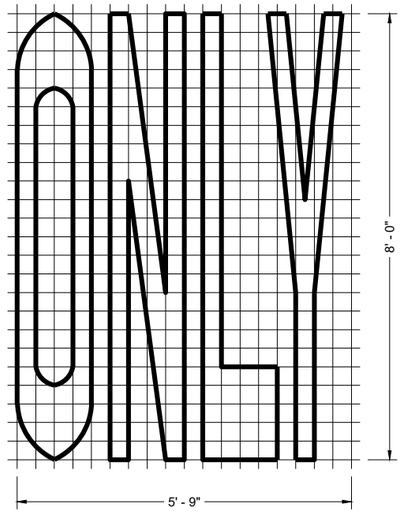
APPROVED
November 2024
DATE

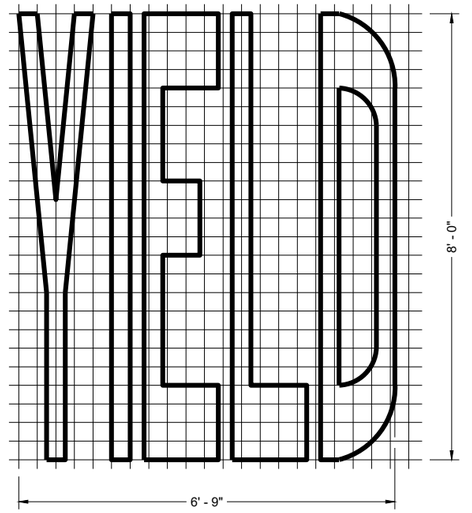
/S/ Jeannie Silver
STATE SIGNING AND MARKING ENGINEER

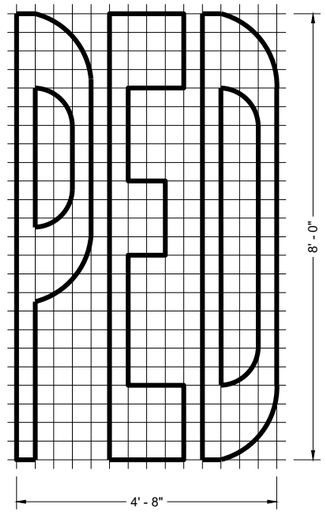
FHWA

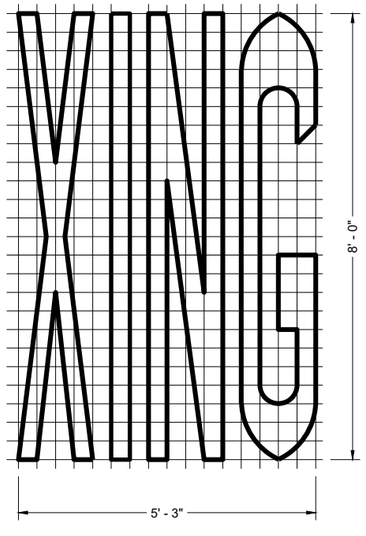


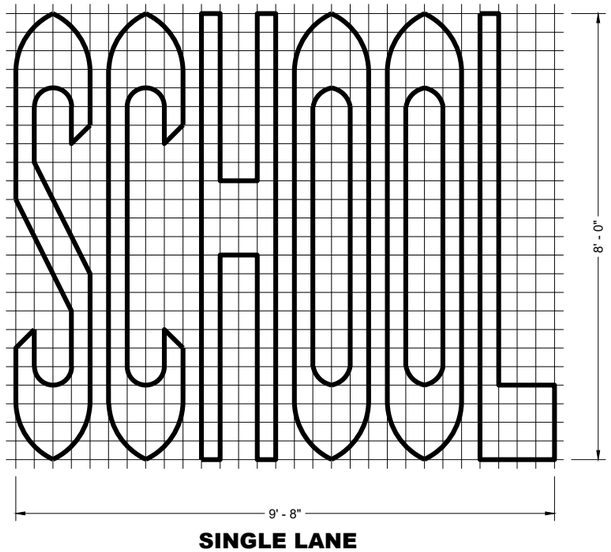




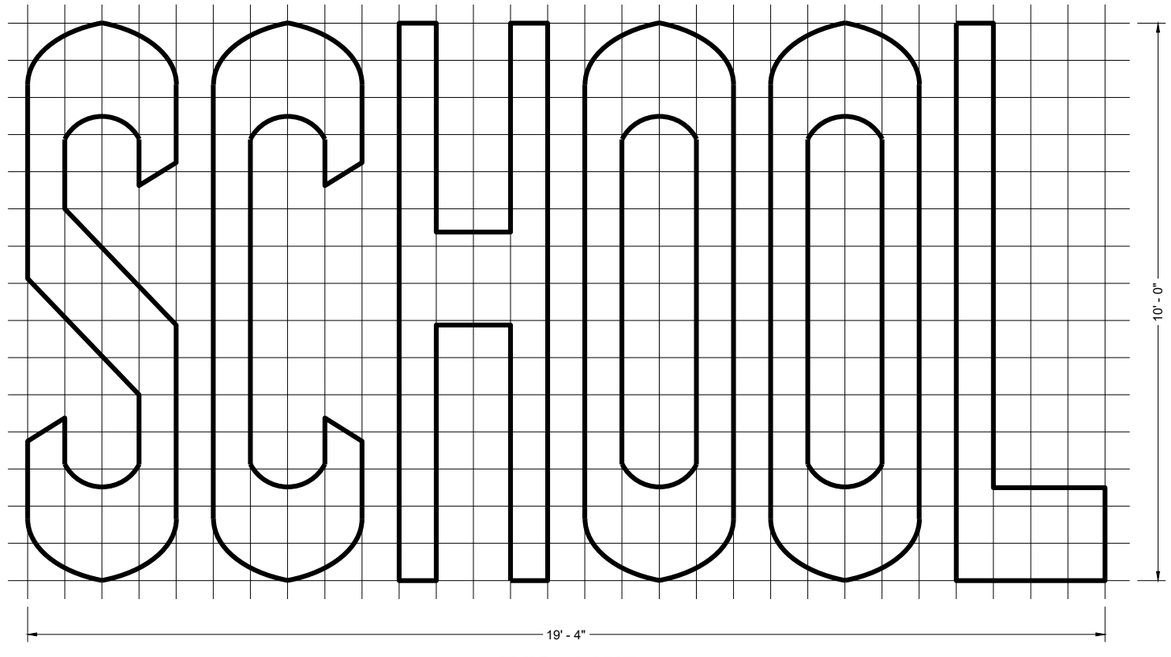








SINGLE LANE



TWO - LANE

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.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

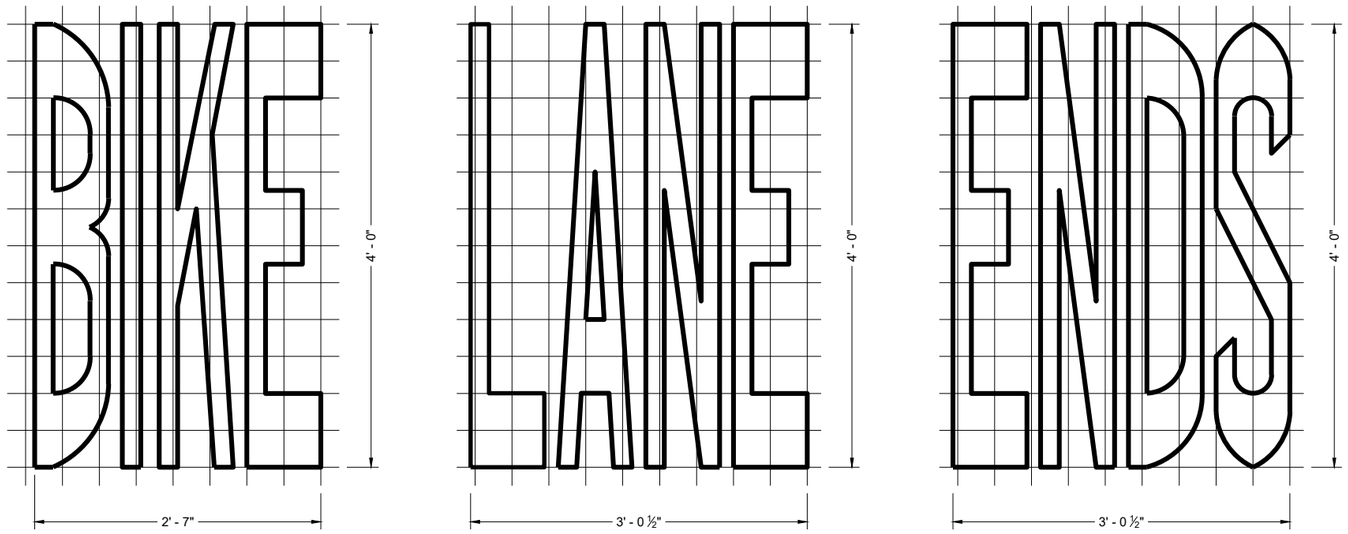
FHWA

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SDD 15C07-16b

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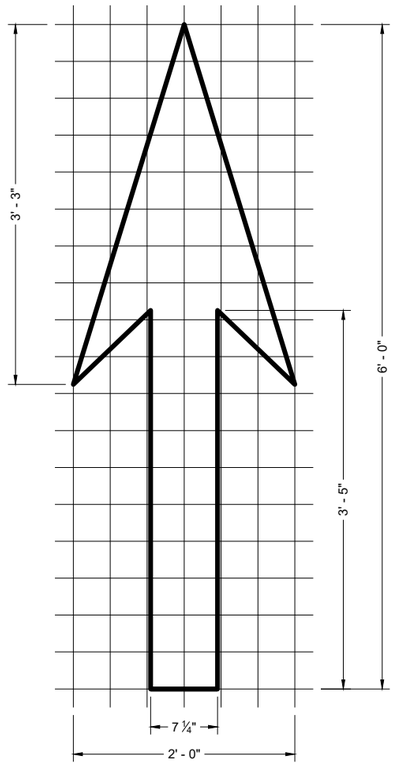
SDD 15C07-16b



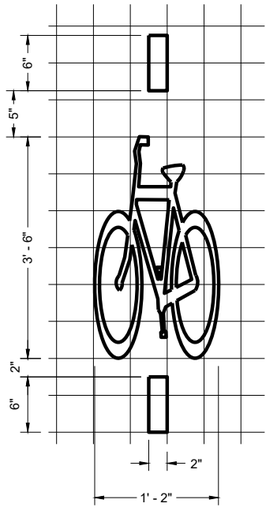
BIKE LANE WORDS

GENERAL NOTES

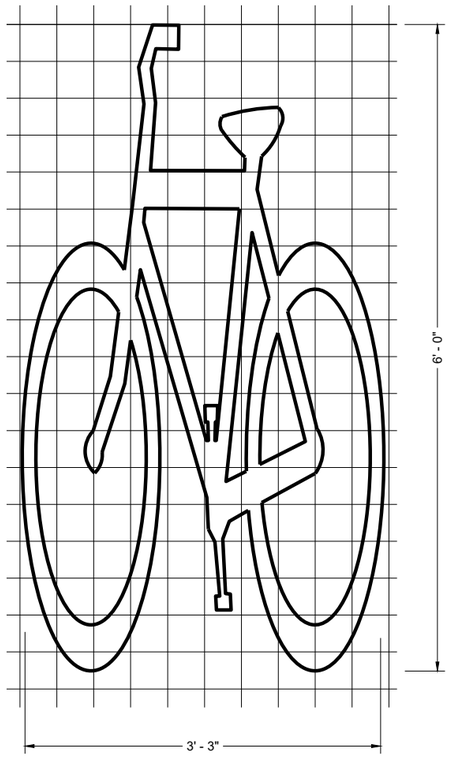
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



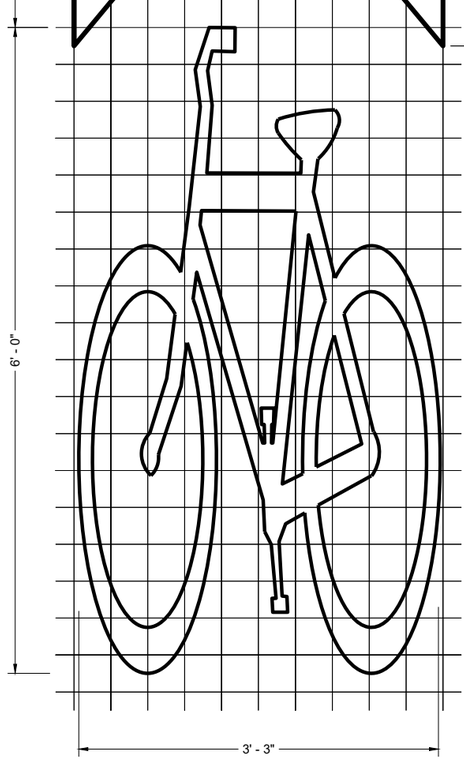
BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL



BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

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SDD 15C07-16e

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SDD 15C07-16e

GENERAL NOTES

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

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

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

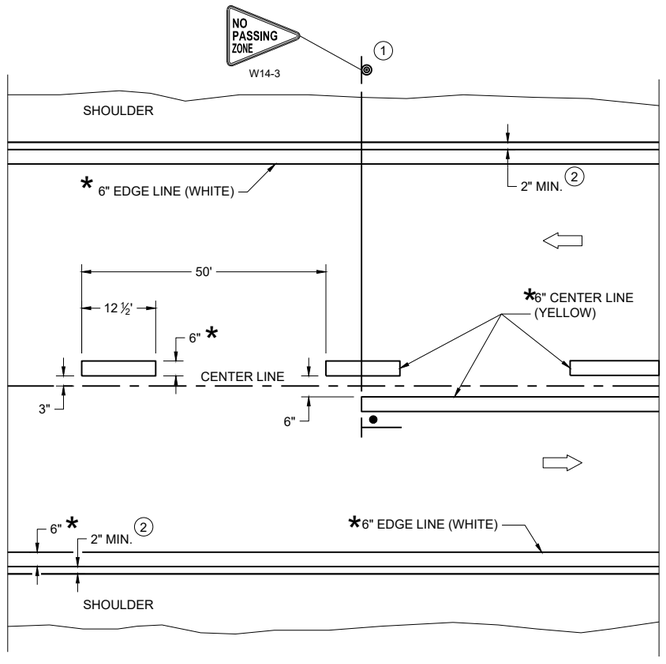
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

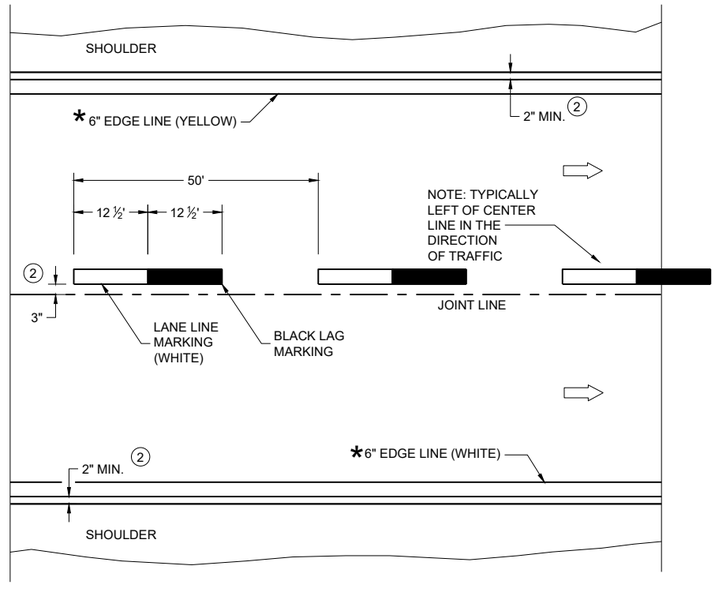
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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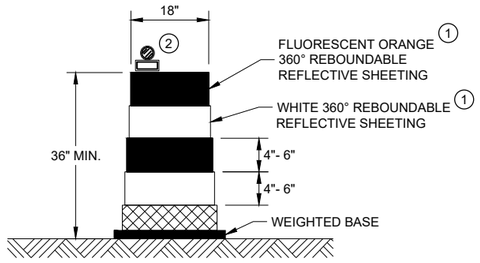
SDD 15C08-24a

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SDD 15C08-24a

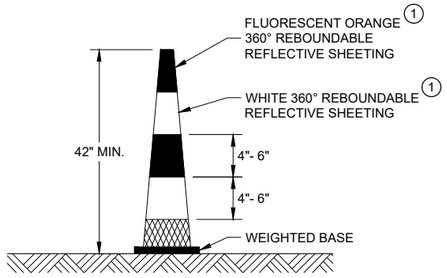
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

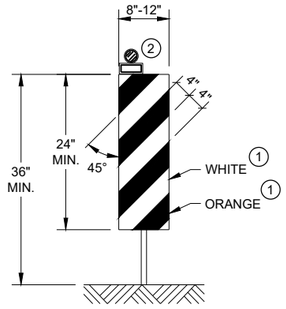
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

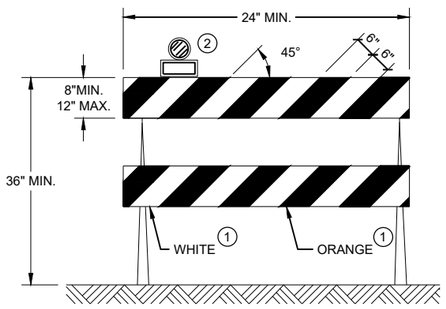
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



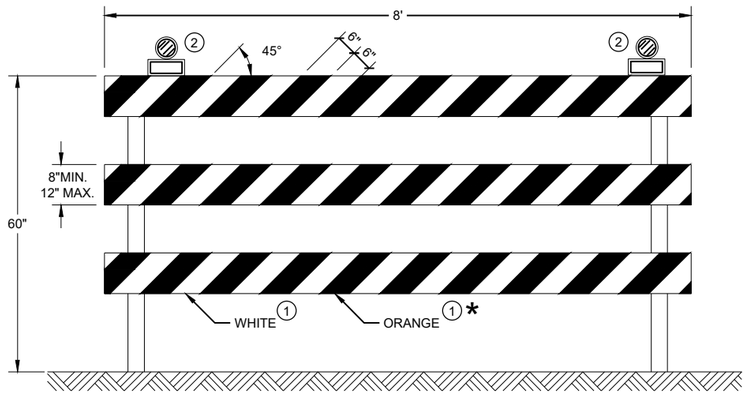
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

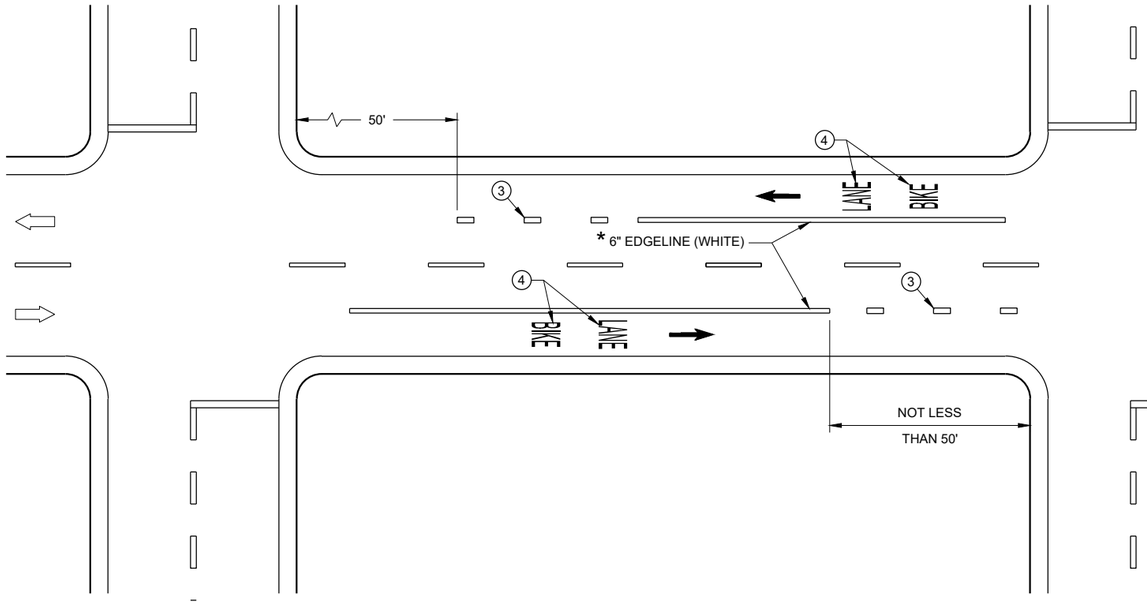
FHWA

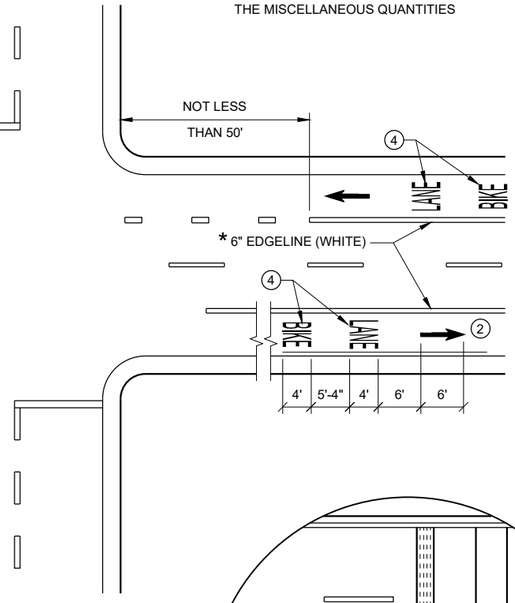
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SDD 15C11 - 10b

6

SDD 15C11 - 10b





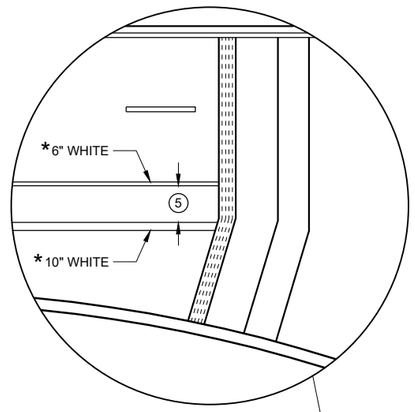
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

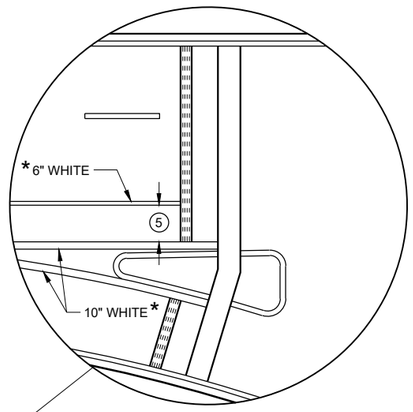
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

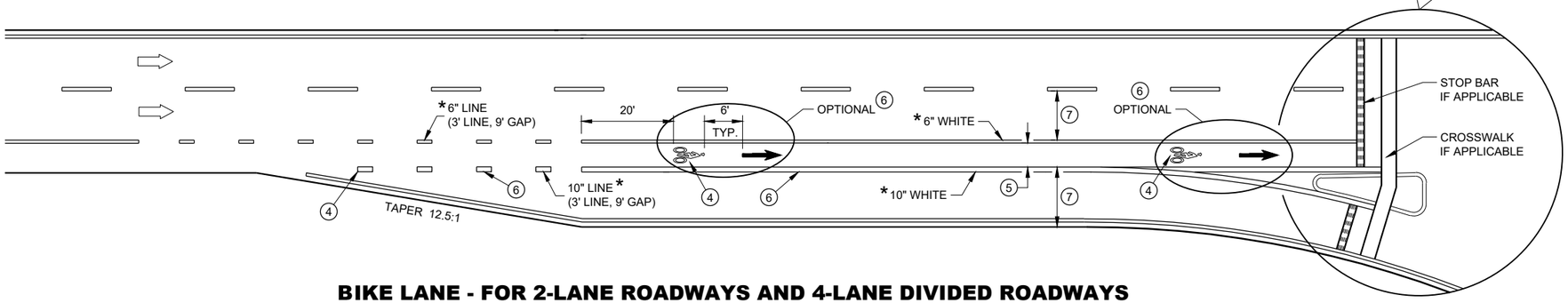
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

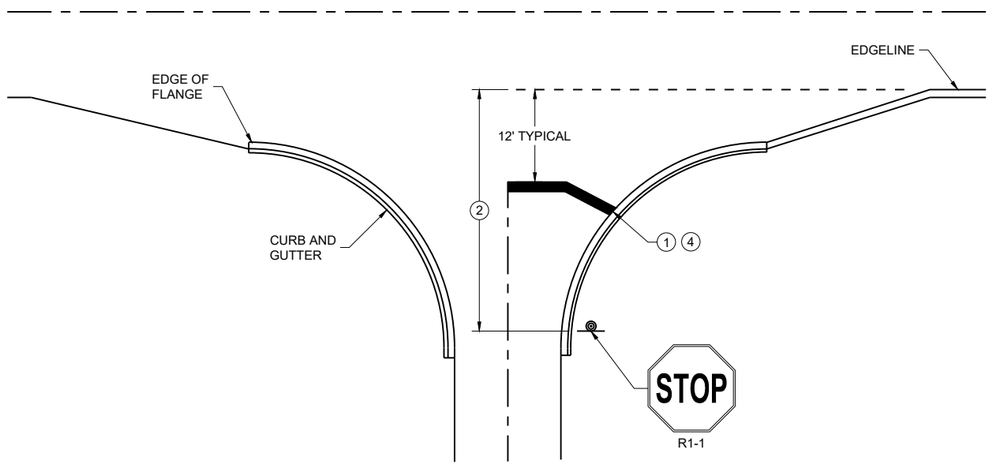
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SDD 15C29-08a

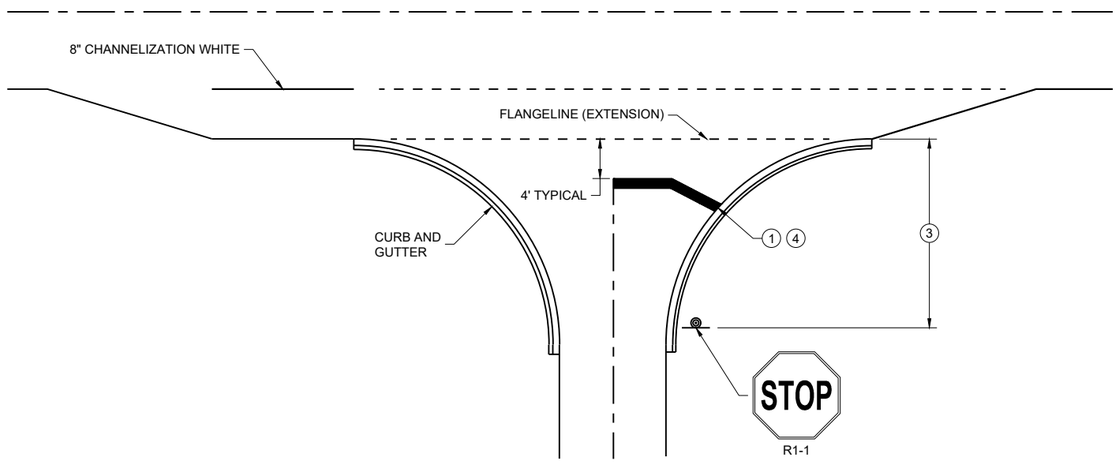
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

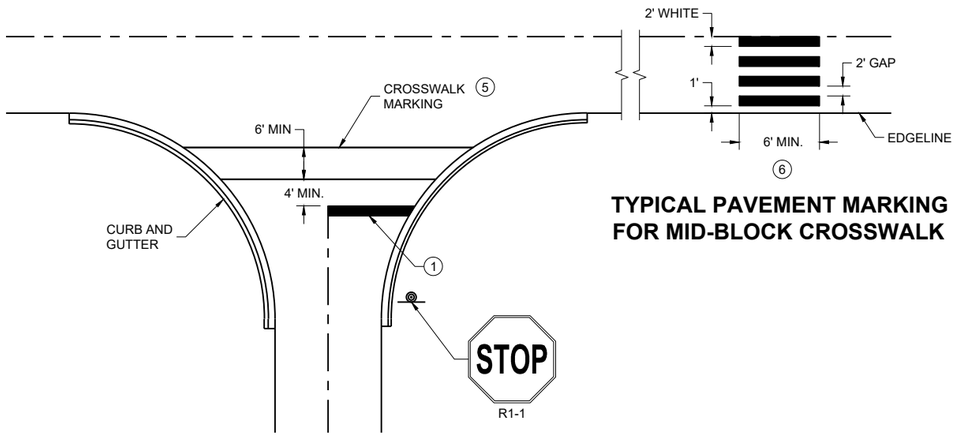
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

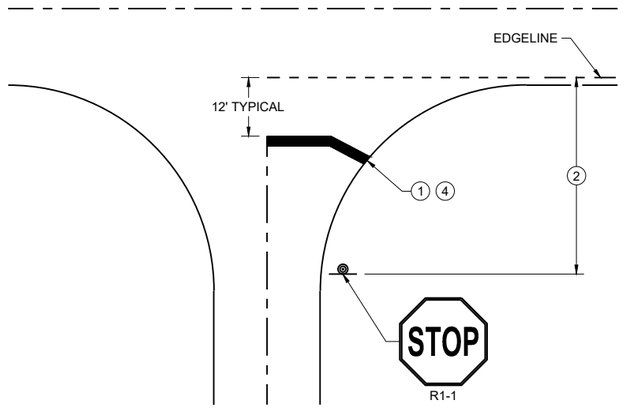


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

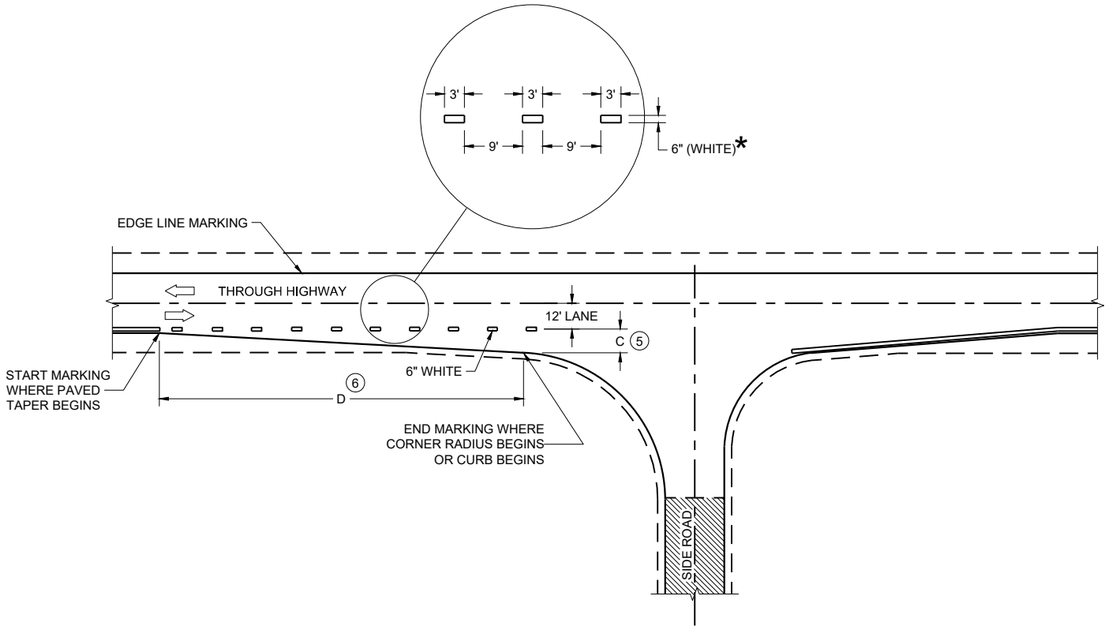
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

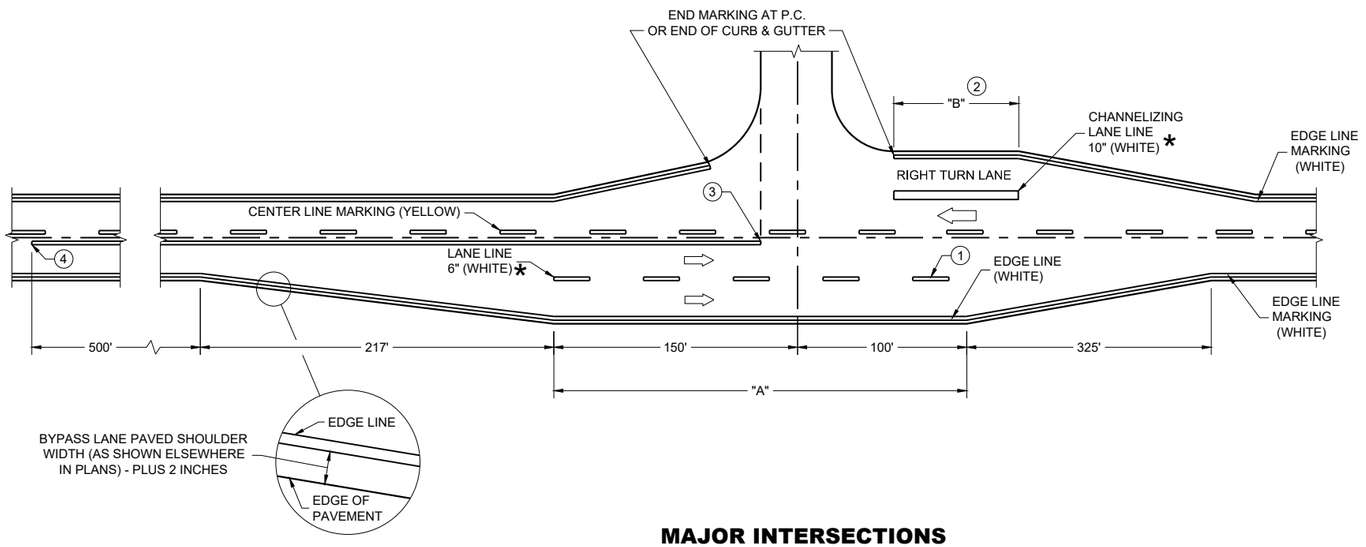
March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

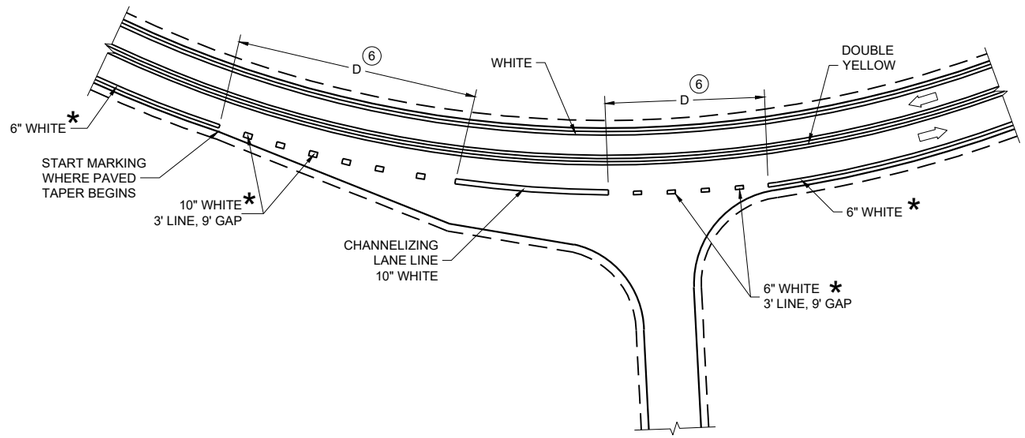
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES 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. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

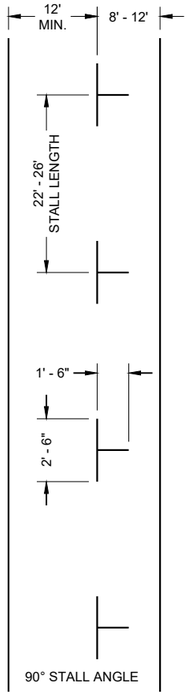
DIRECTION OF TRAVEL



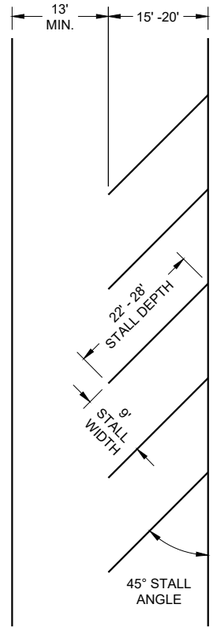
INTERSECTION ON OUTSIDE OF CURVE

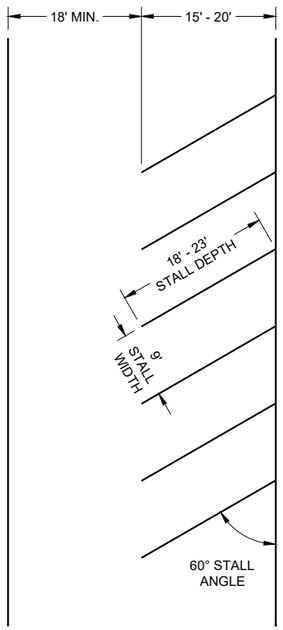
PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



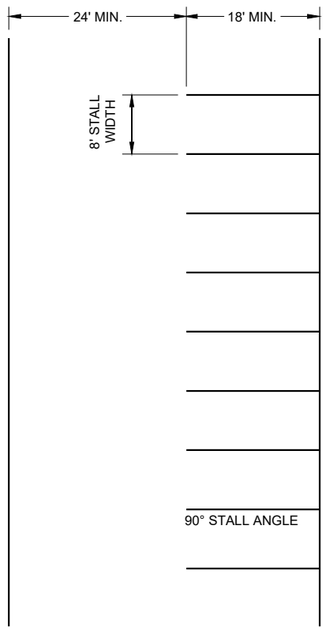
PARALLEL PARKING





ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

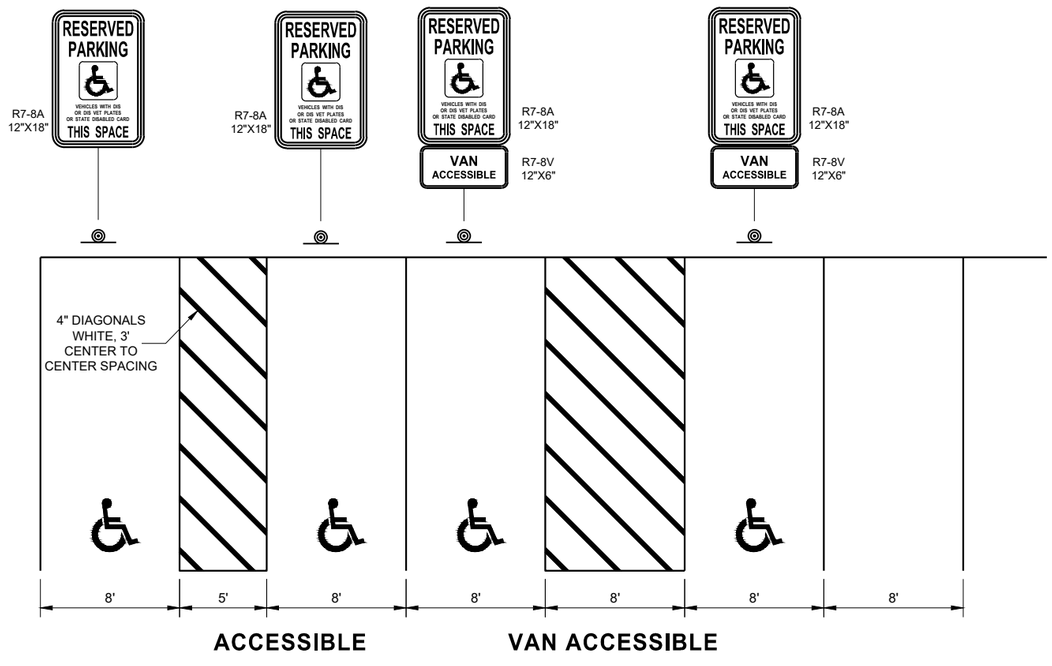
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD 15C36 - 01

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SDD 15C36 - 01

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

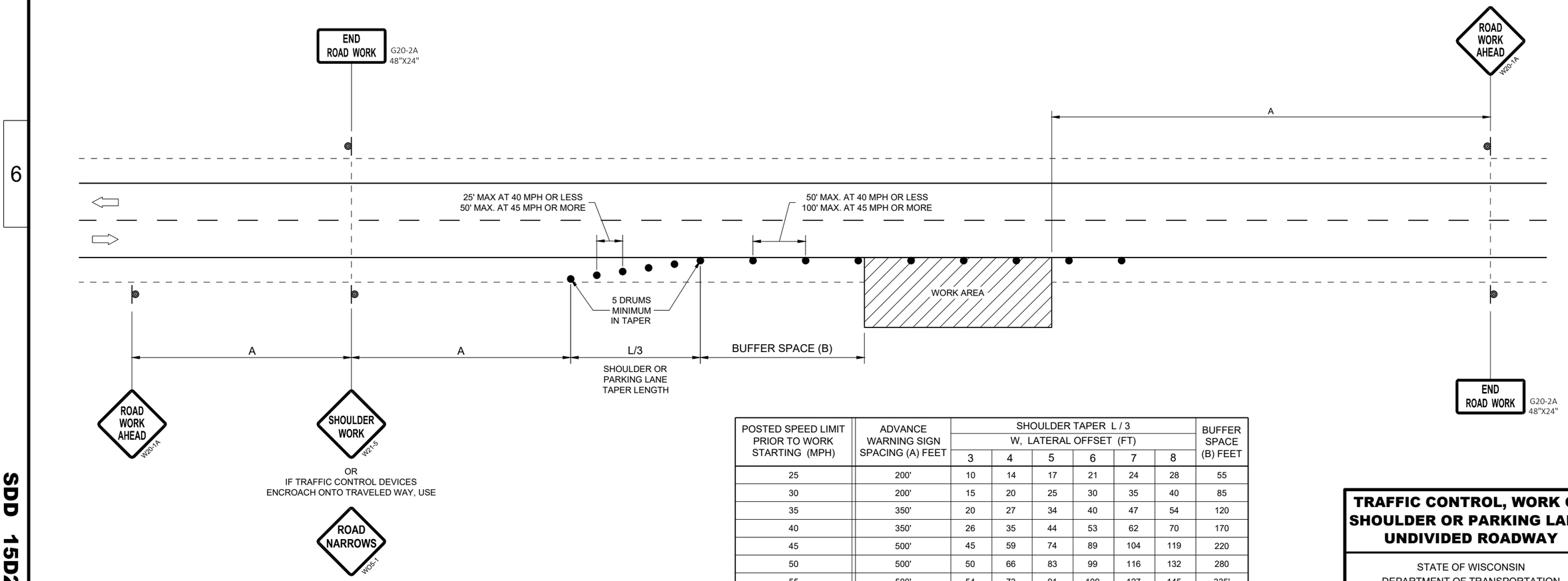
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

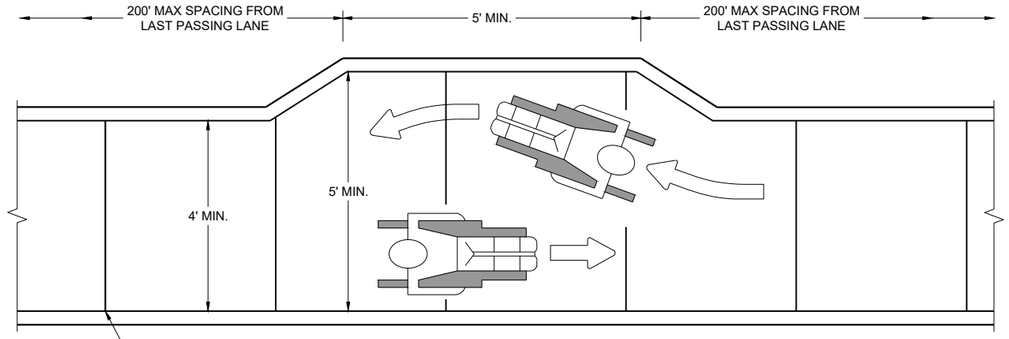
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

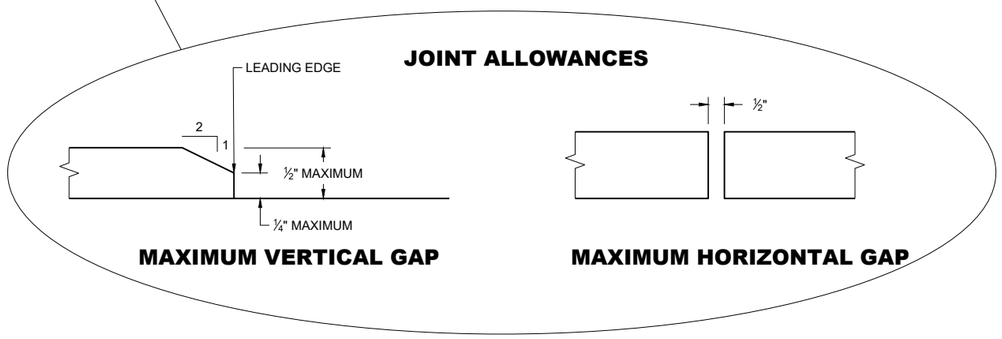
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SDD 15D28 - 04



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

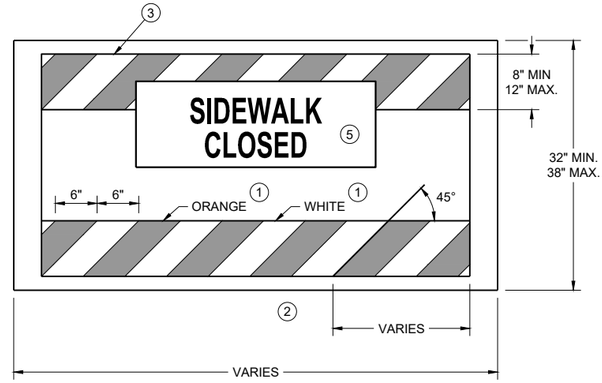
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

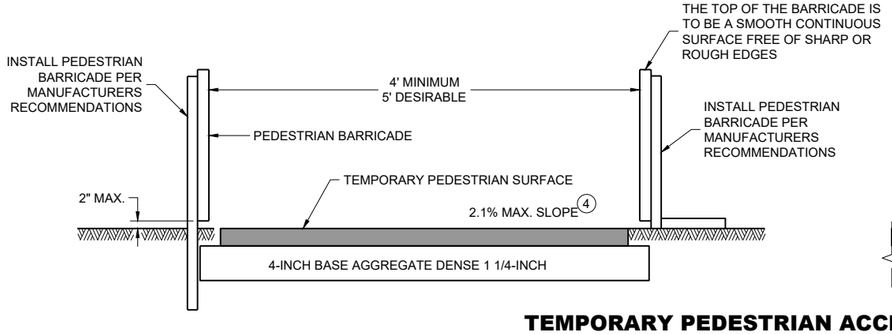
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

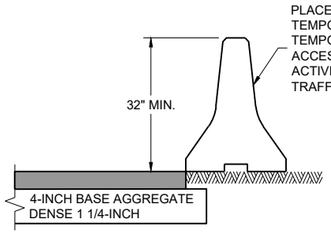
4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE TEMPORARY PEDESTRIAN BARRICADE INSTEAD. A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE SHALL BE USED IF MOUNTED ON THE BARRICADE. THE TOP OF THE SIGN SHALL BE MOUNTED BELOW THE TOP OF THE BARRICADE TO ALLOW A CONTINUOUS HAND-TRAILING EDGE.



TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS





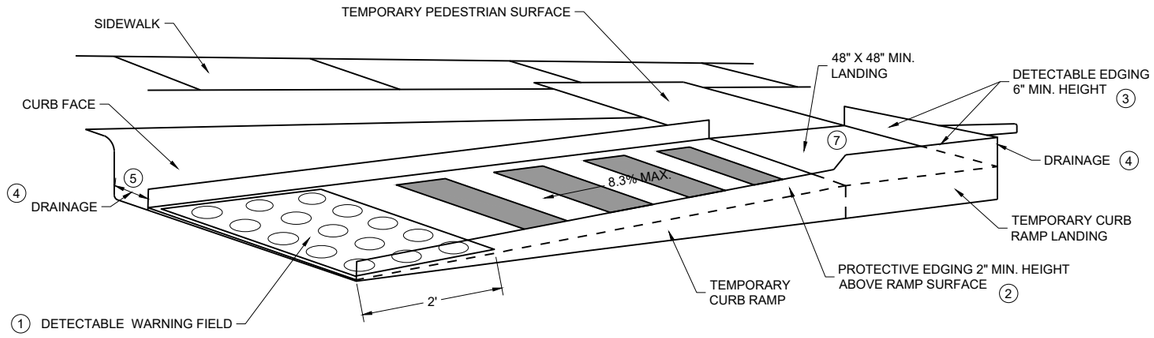
TEMPORARY PEDESTRIAN FLAGGING

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- AUDIBLE MESSAGE DEVICE
- TEMPORARY SIGN SUPPORT
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PERSPECTIVE VIEW

GENERAL NOTES

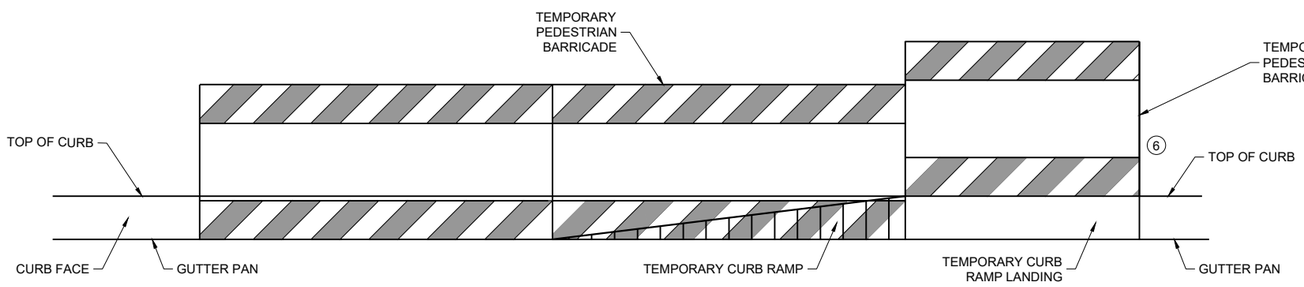
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

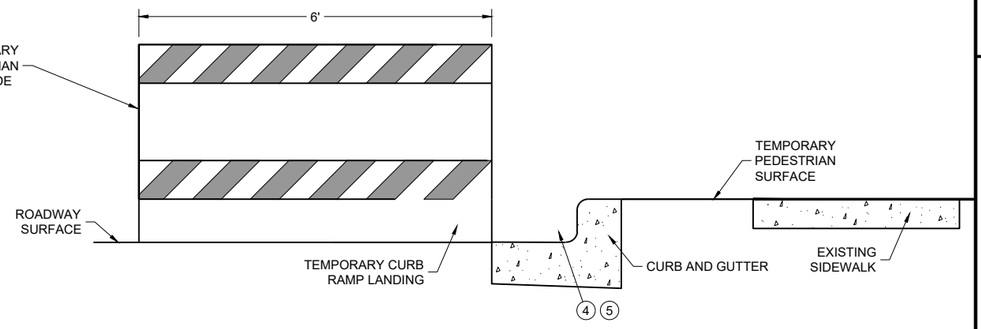
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
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. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

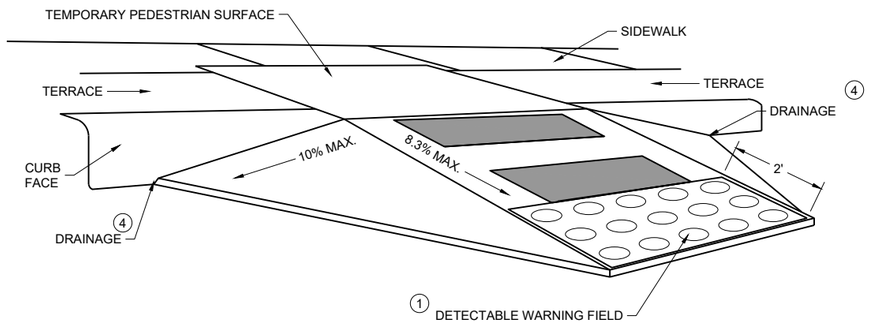
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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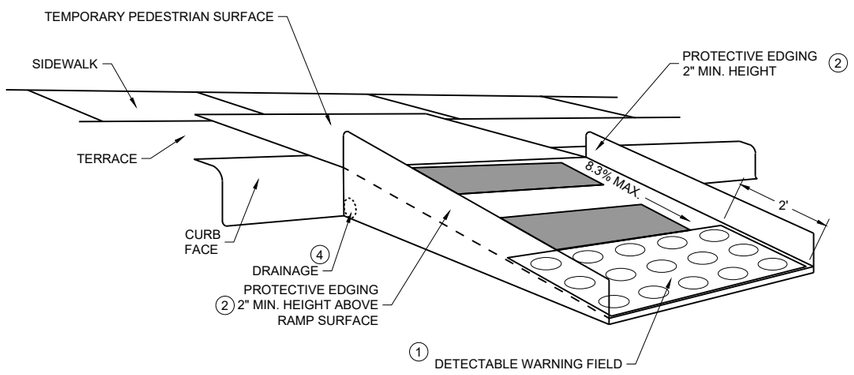
SDD 15D30-12b

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SDD 15D30-12b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

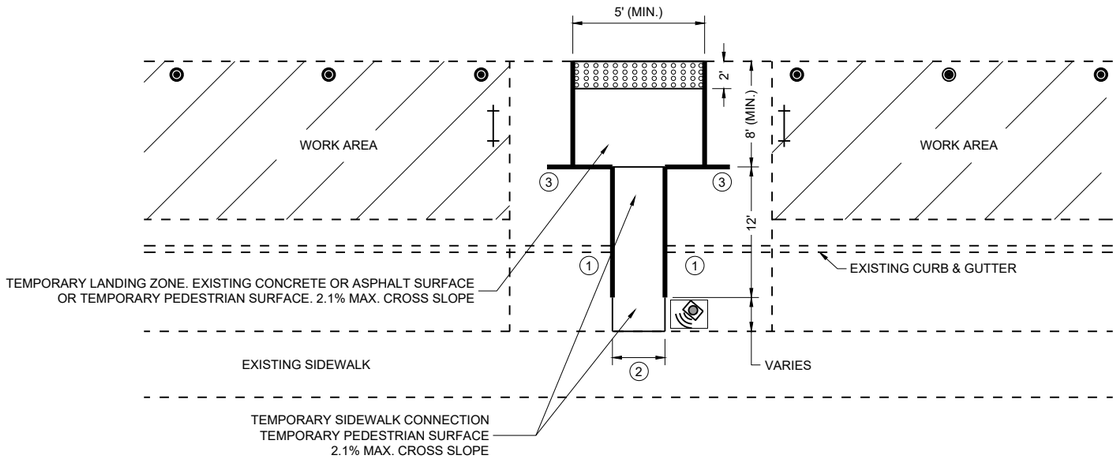
(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(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.

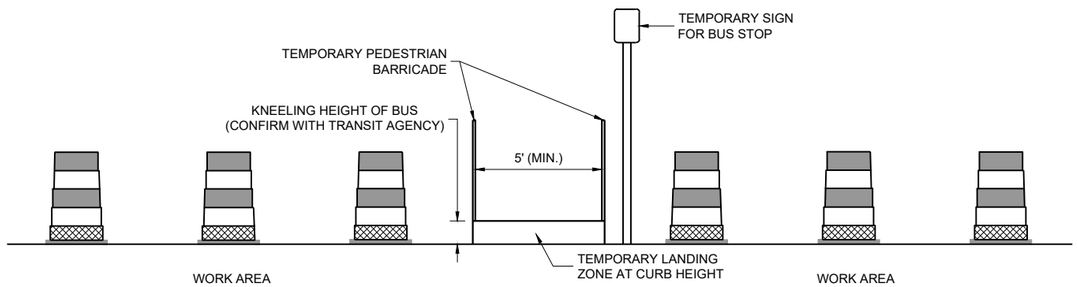
(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

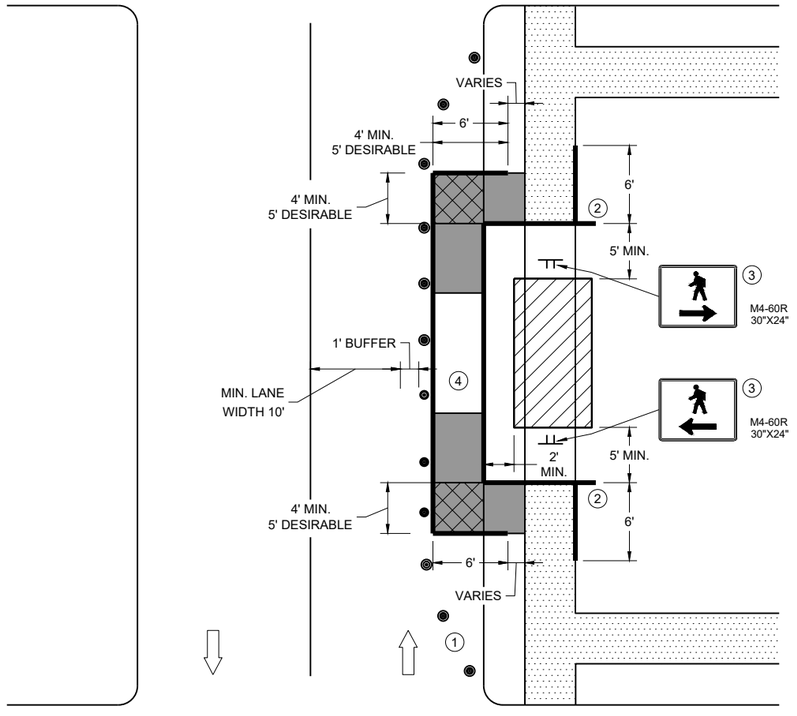
SDD 15D30-12e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK BYPASS, SINGLE SIDE

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

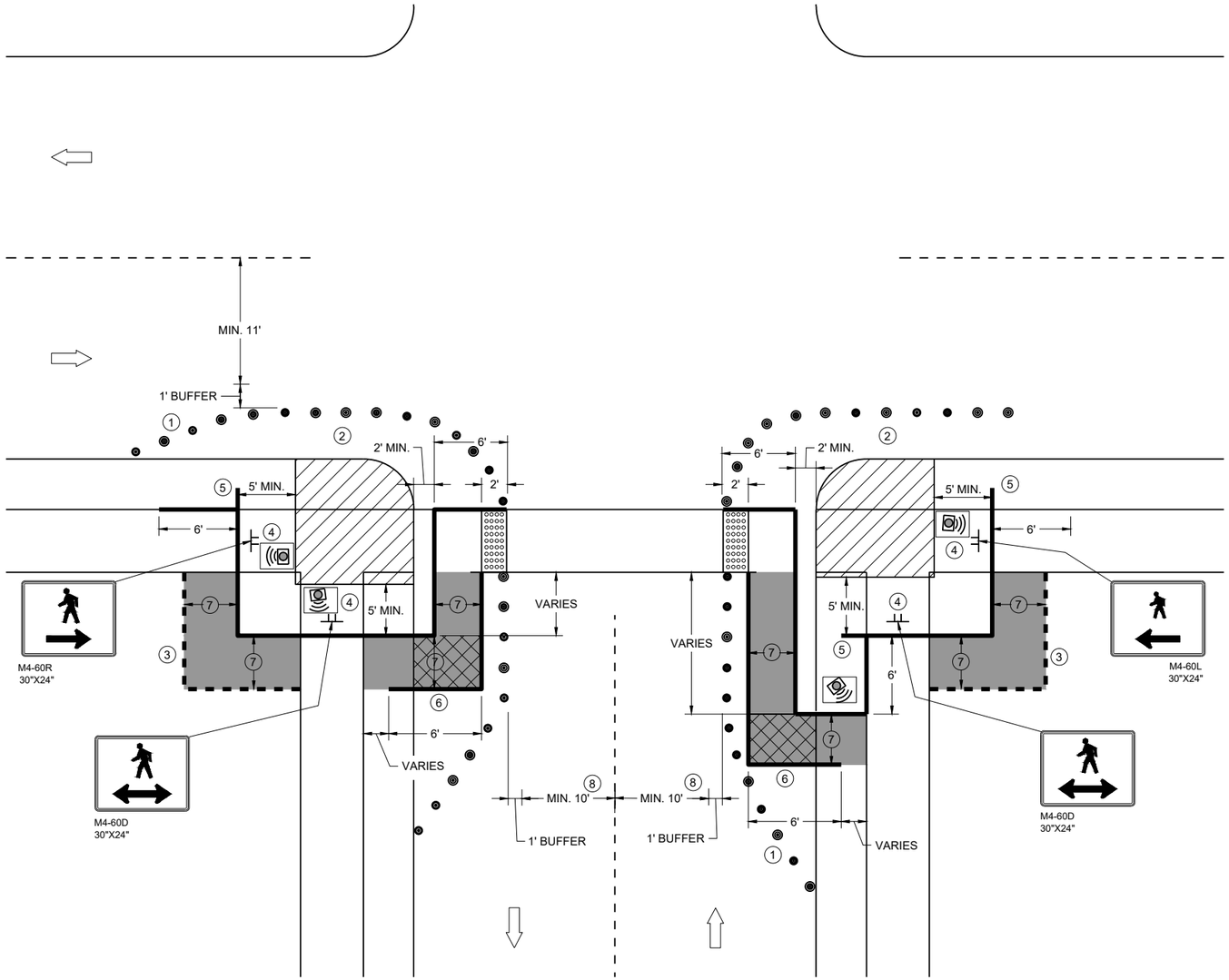
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.
2. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
4. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

6

SDD 15D30-12h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

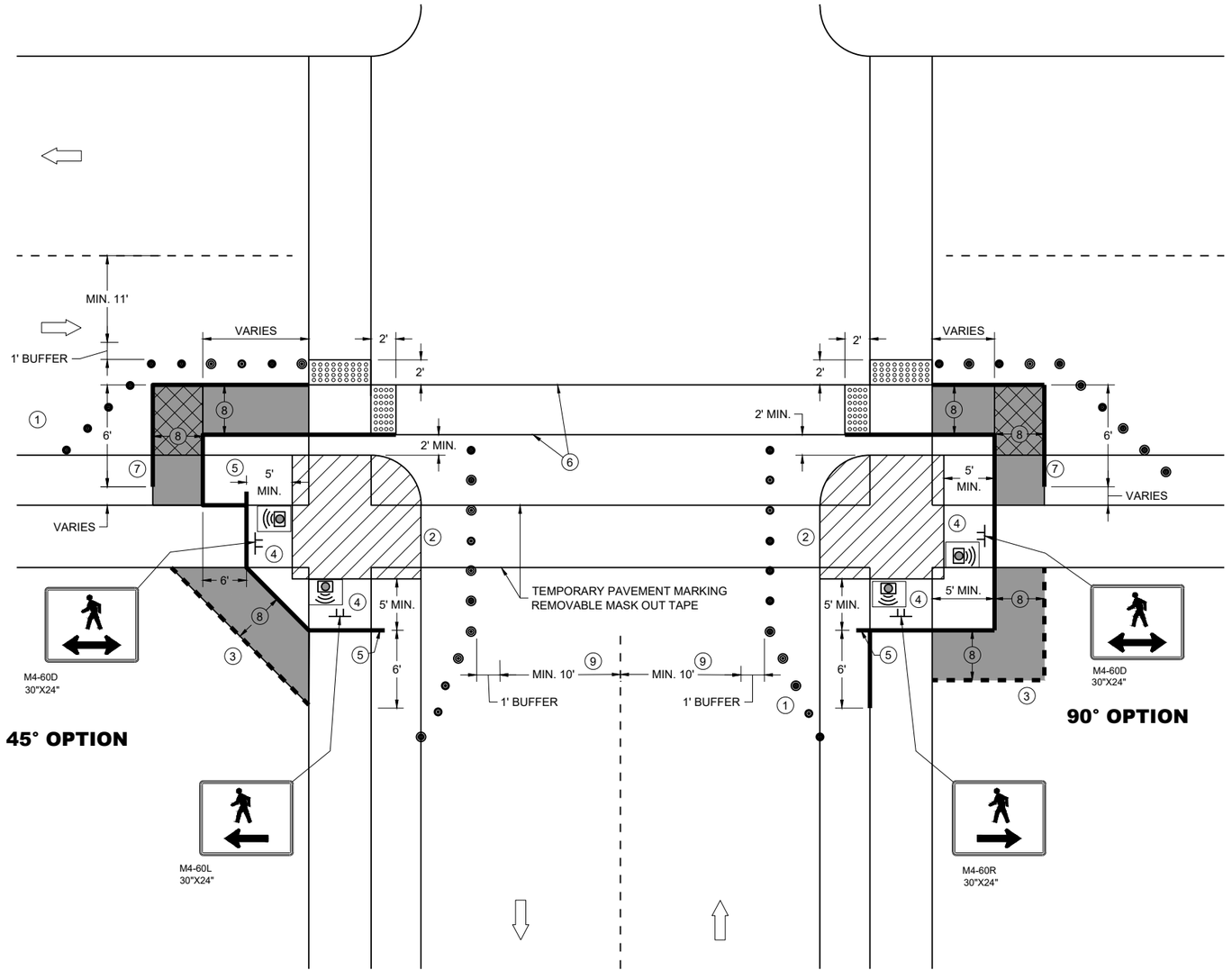
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

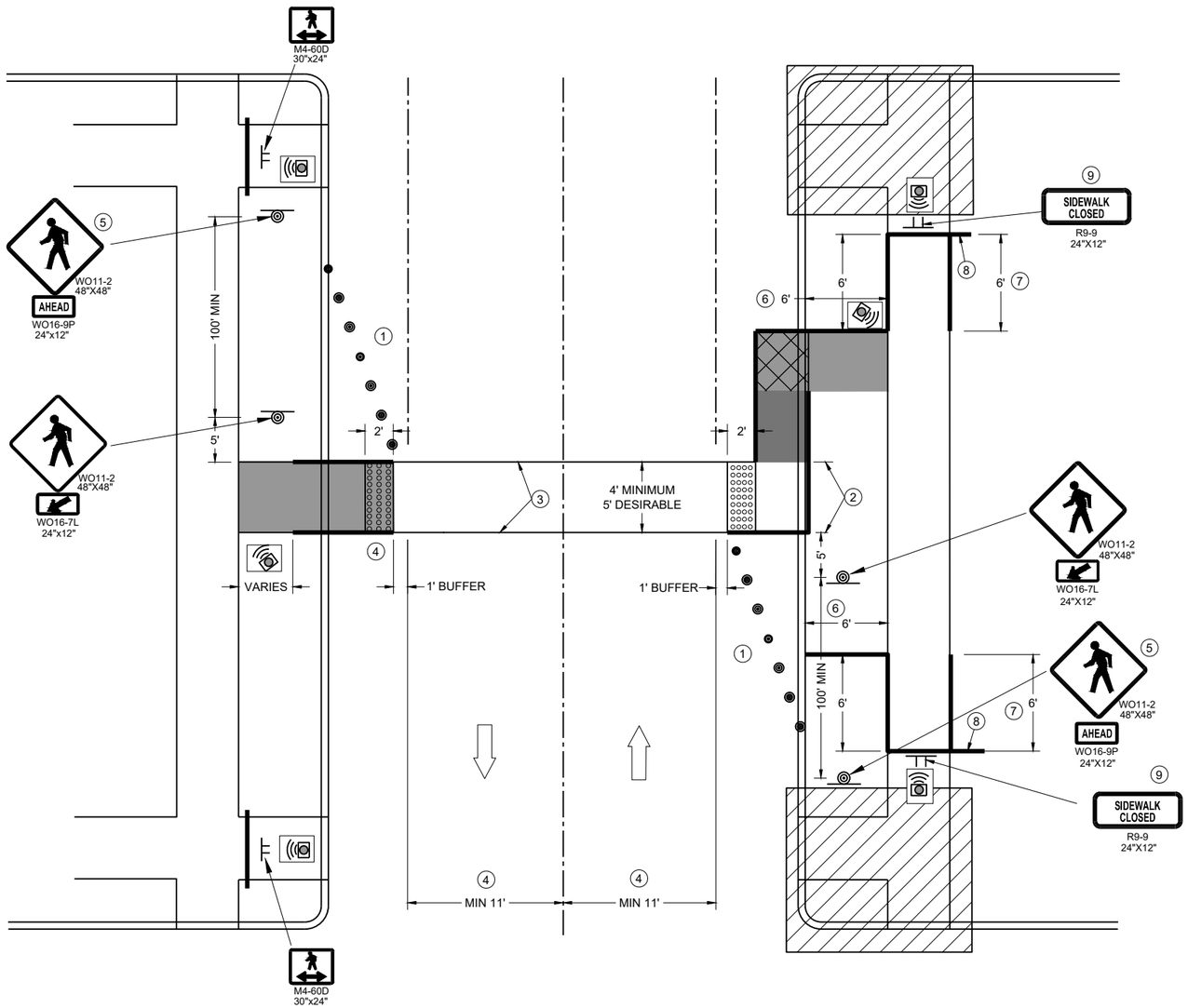
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12j



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

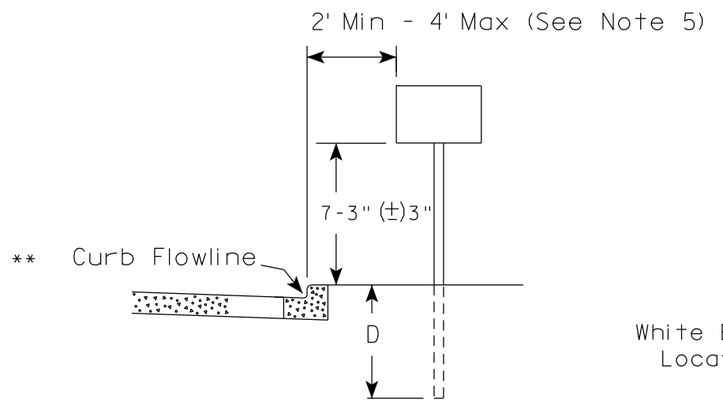
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

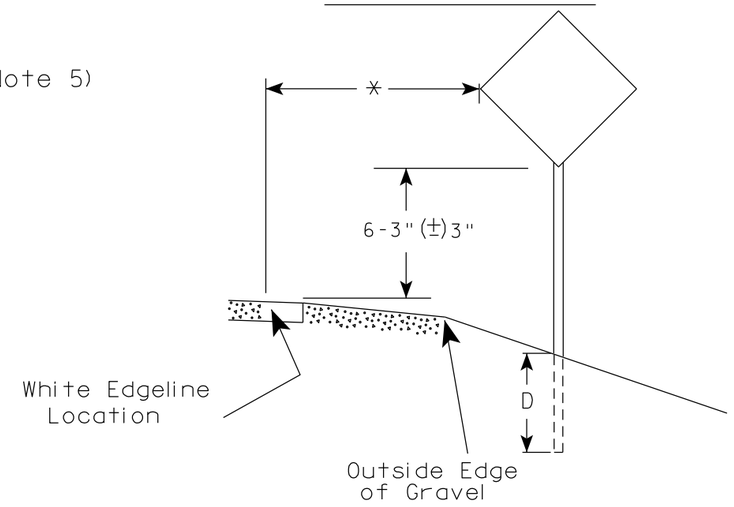
FHWA

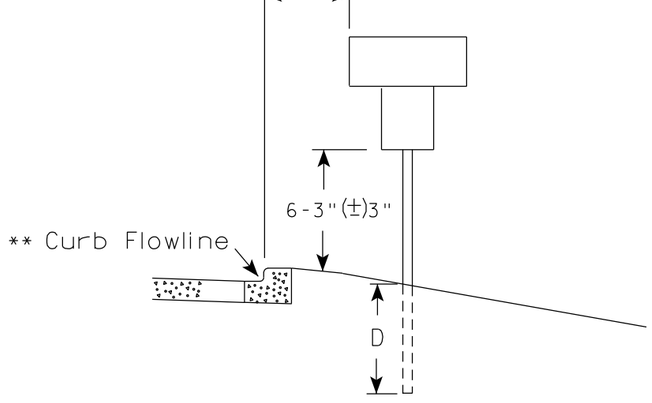
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SDD 15D30-12I

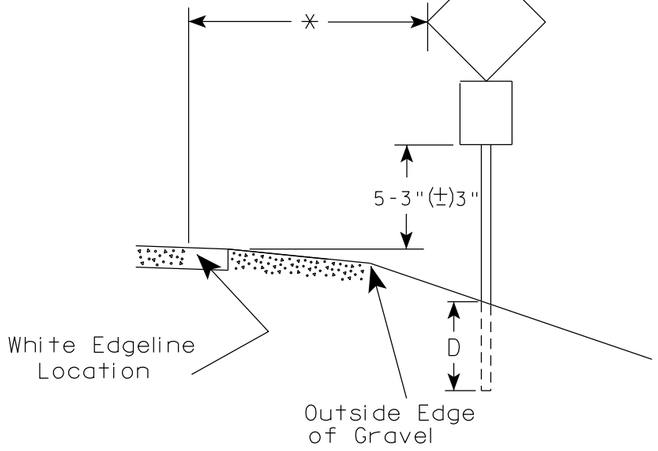
URBAN AREA



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.

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 or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 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" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

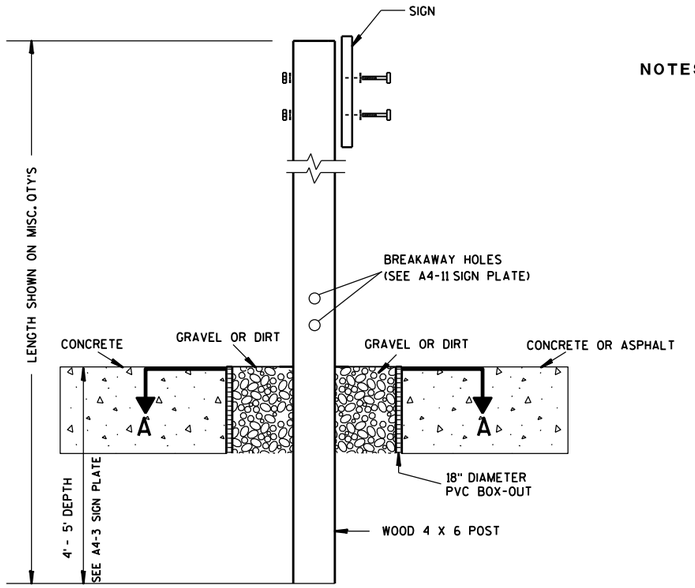
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

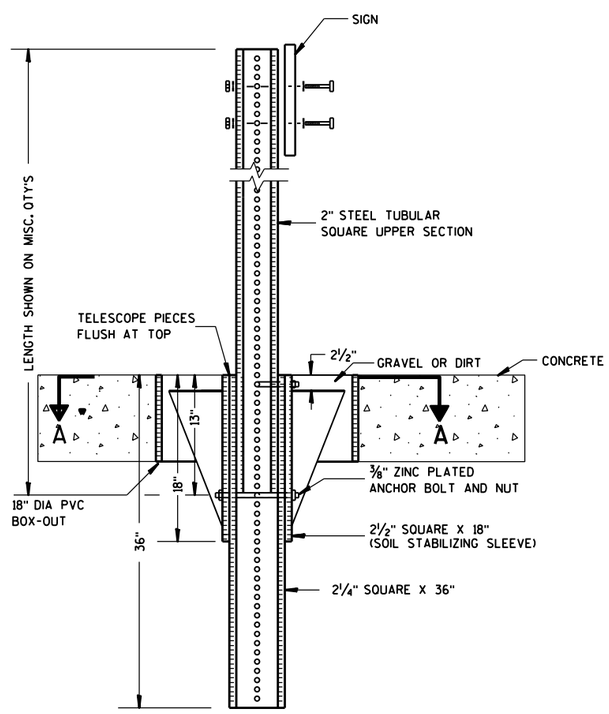
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E



ELEVATION VIEW

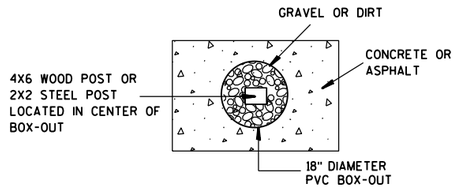
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

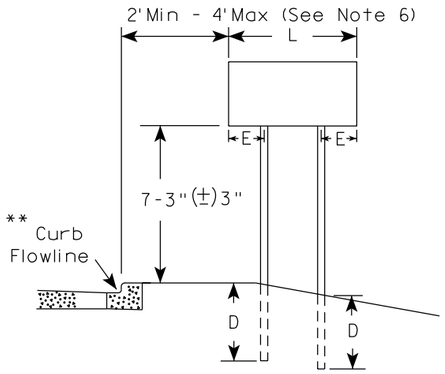
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

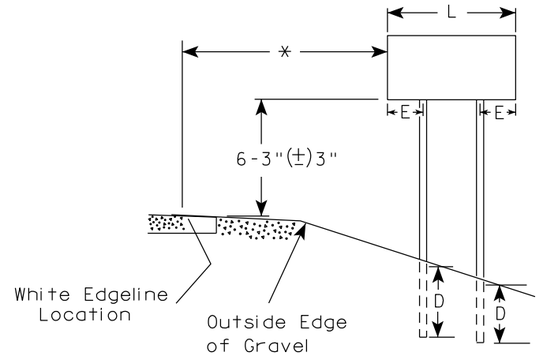
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

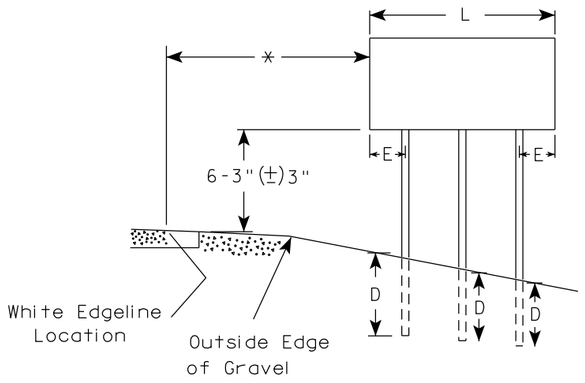
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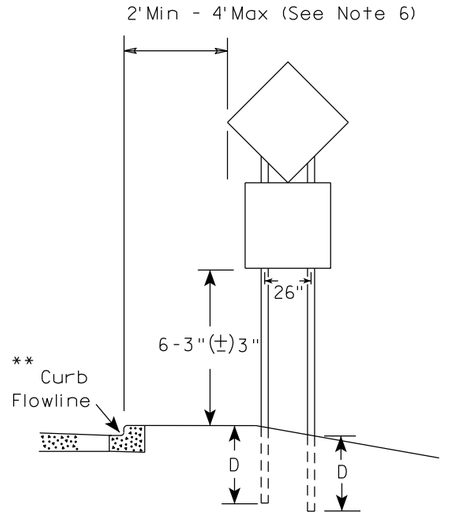
URBAN AREA



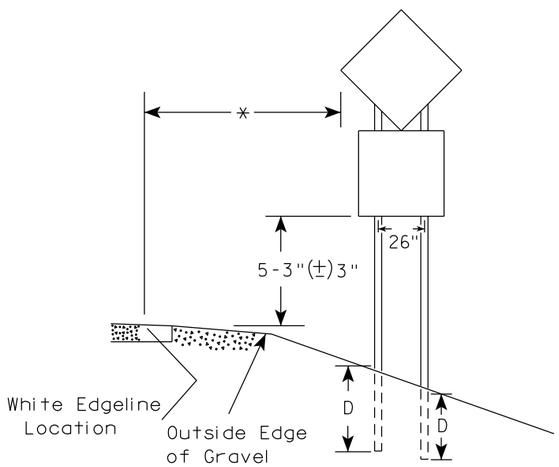
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
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" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

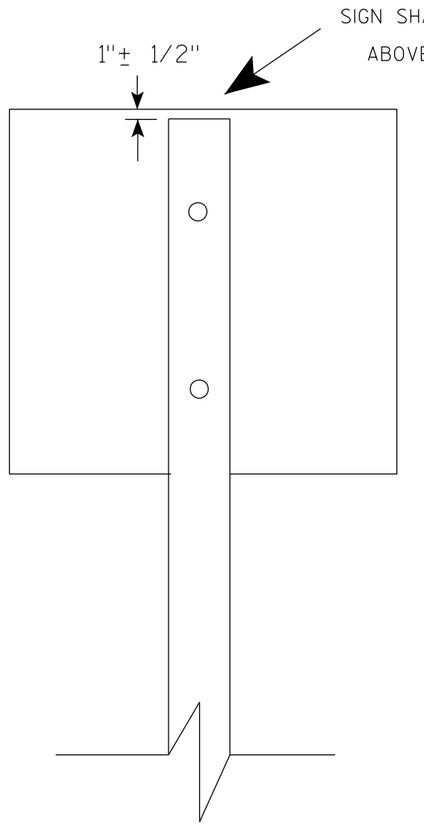
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

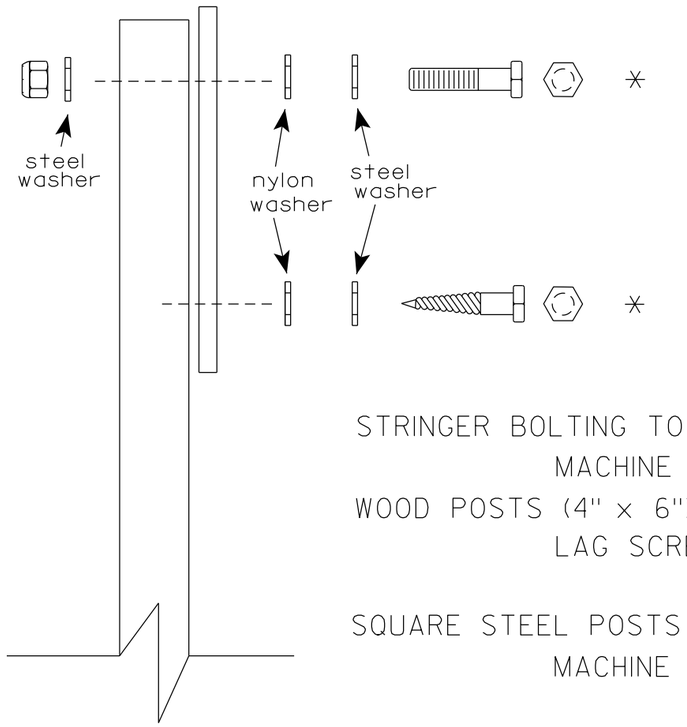
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

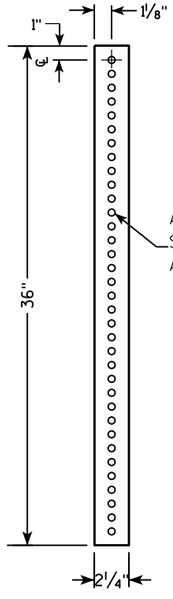
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

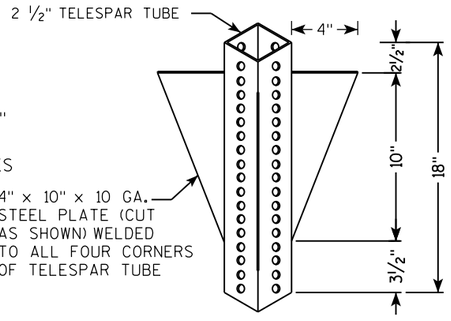
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

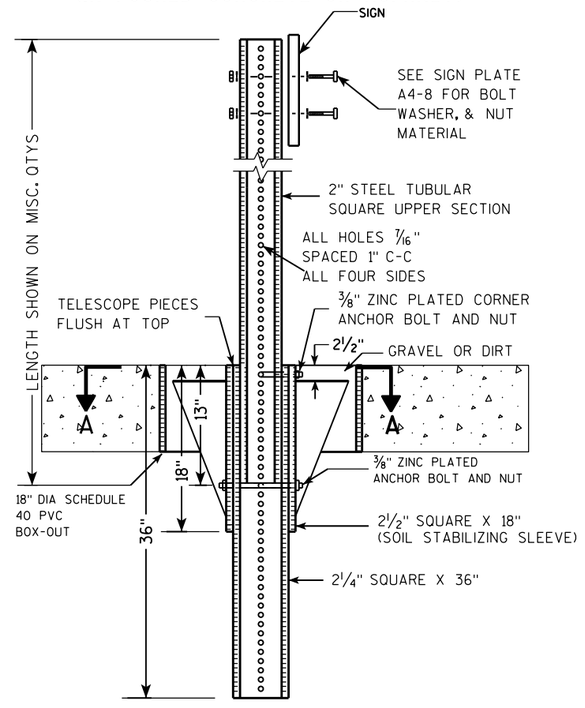
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



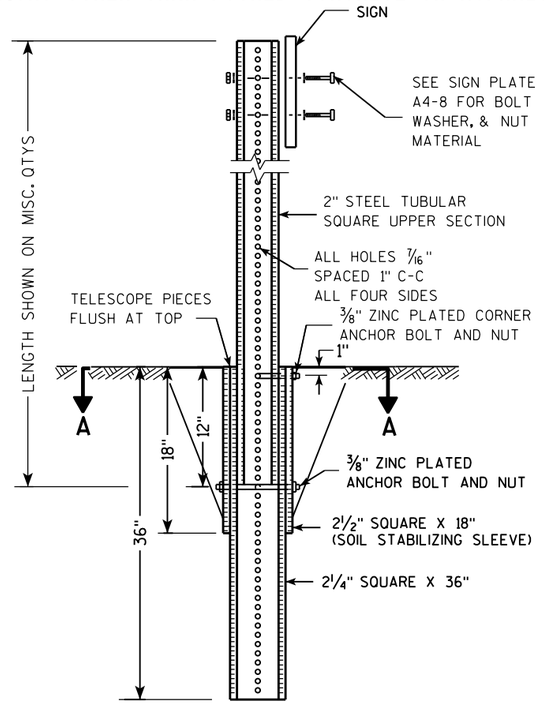
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

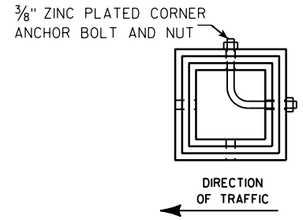


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

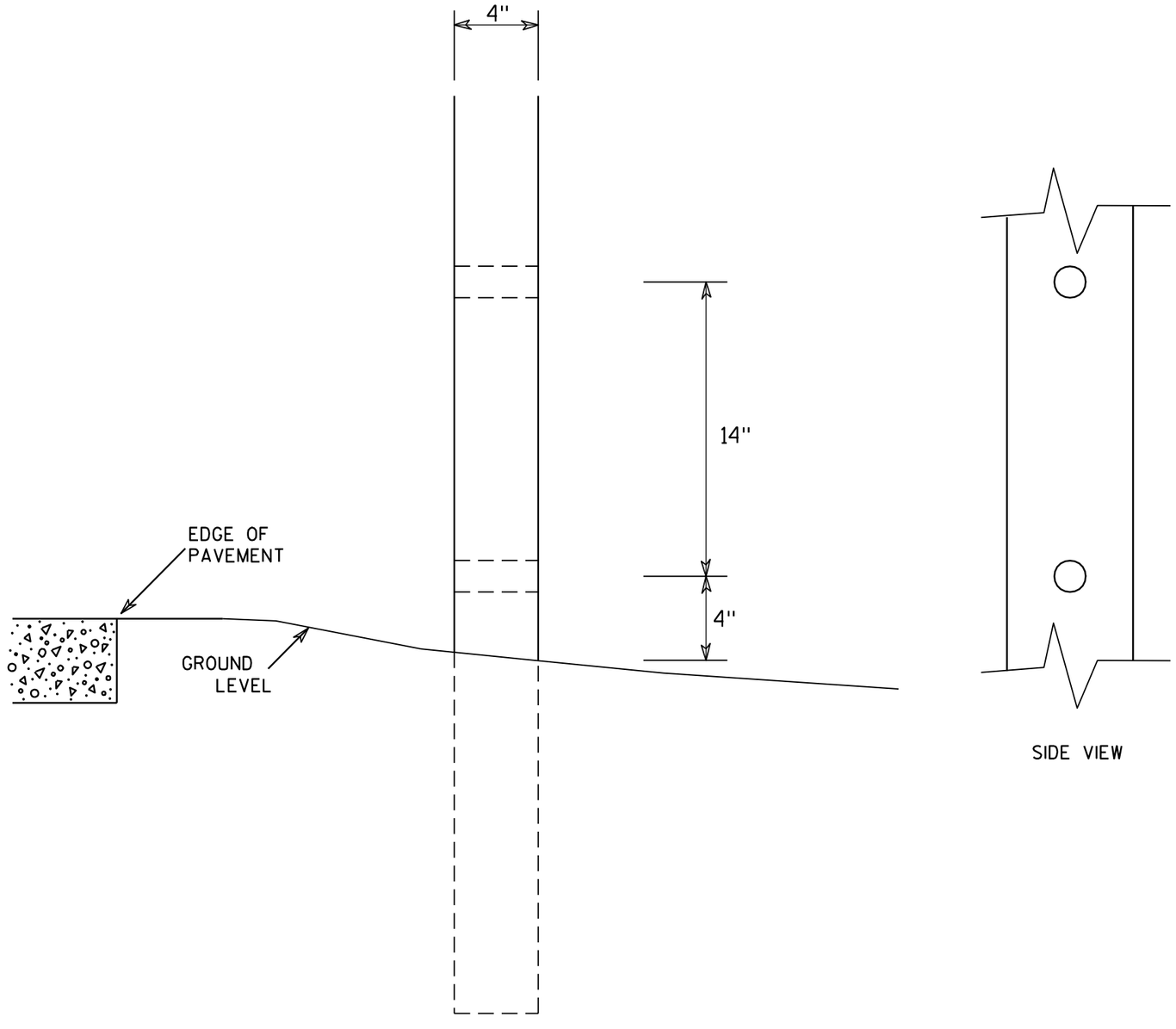
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 303 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

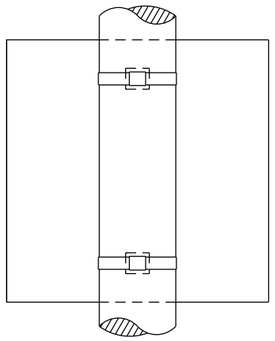
APPROVED Chester J Spang for State Traffic Engineer

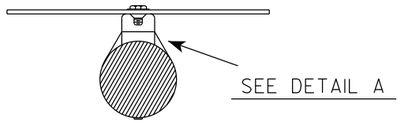
DATE 3/27/97 PLATE NO. A4-11.2

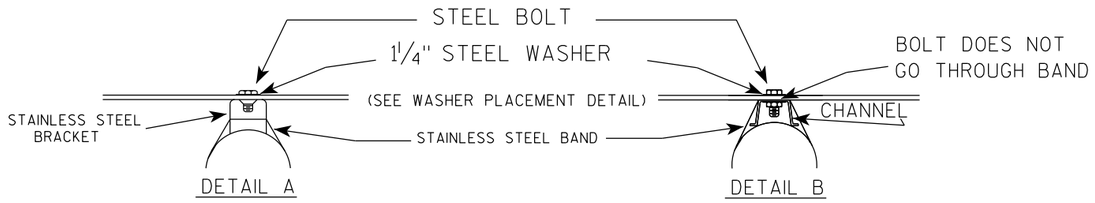
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E

BANDING

SINGLE SIGN



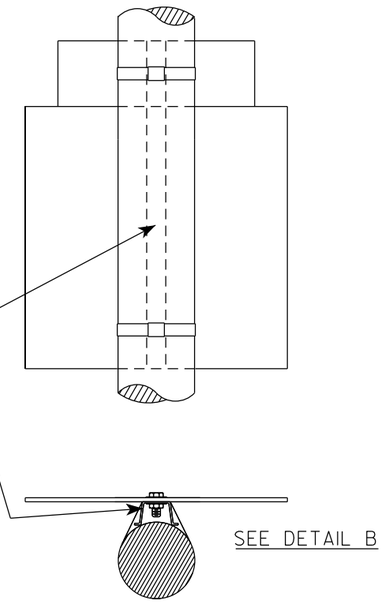




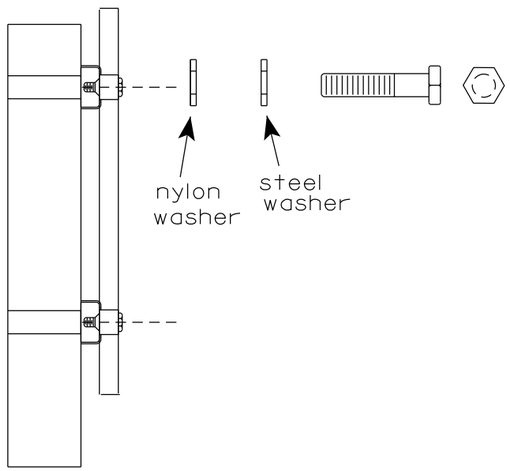
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

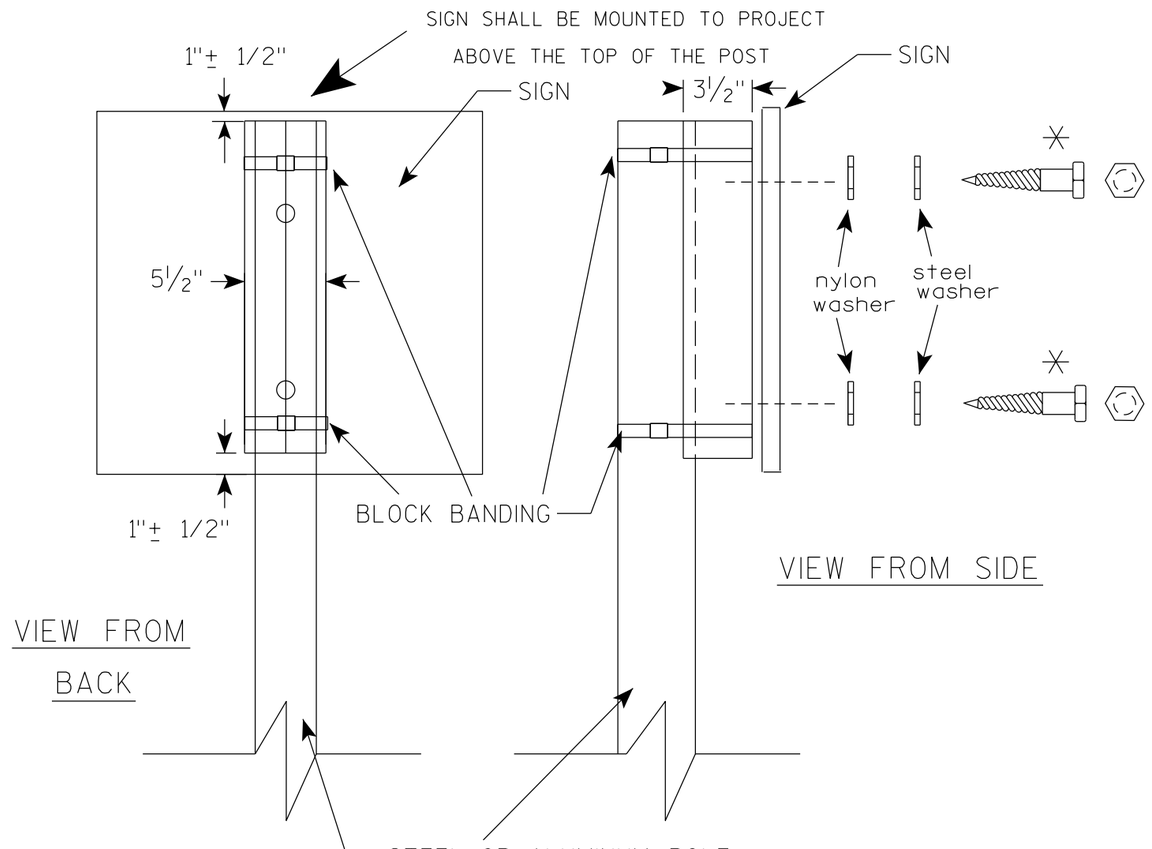
DATE 6/10/19 PLATE NO. A5-9.4

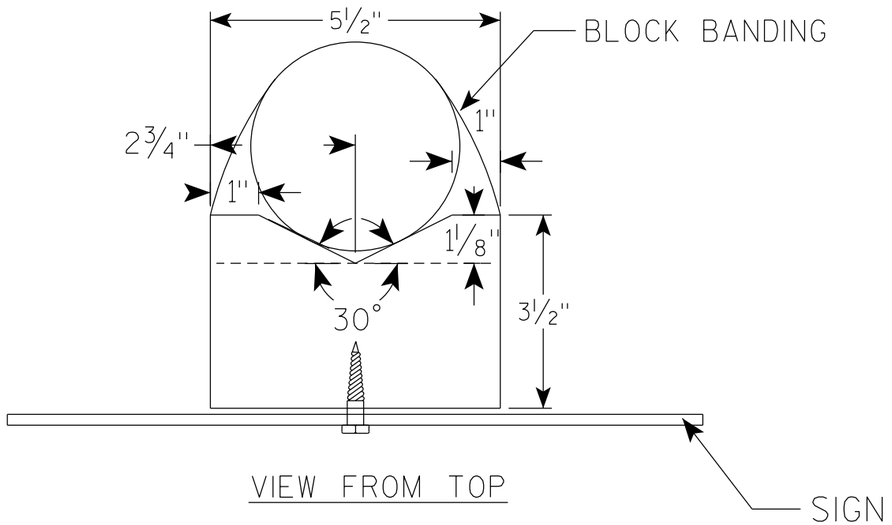
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

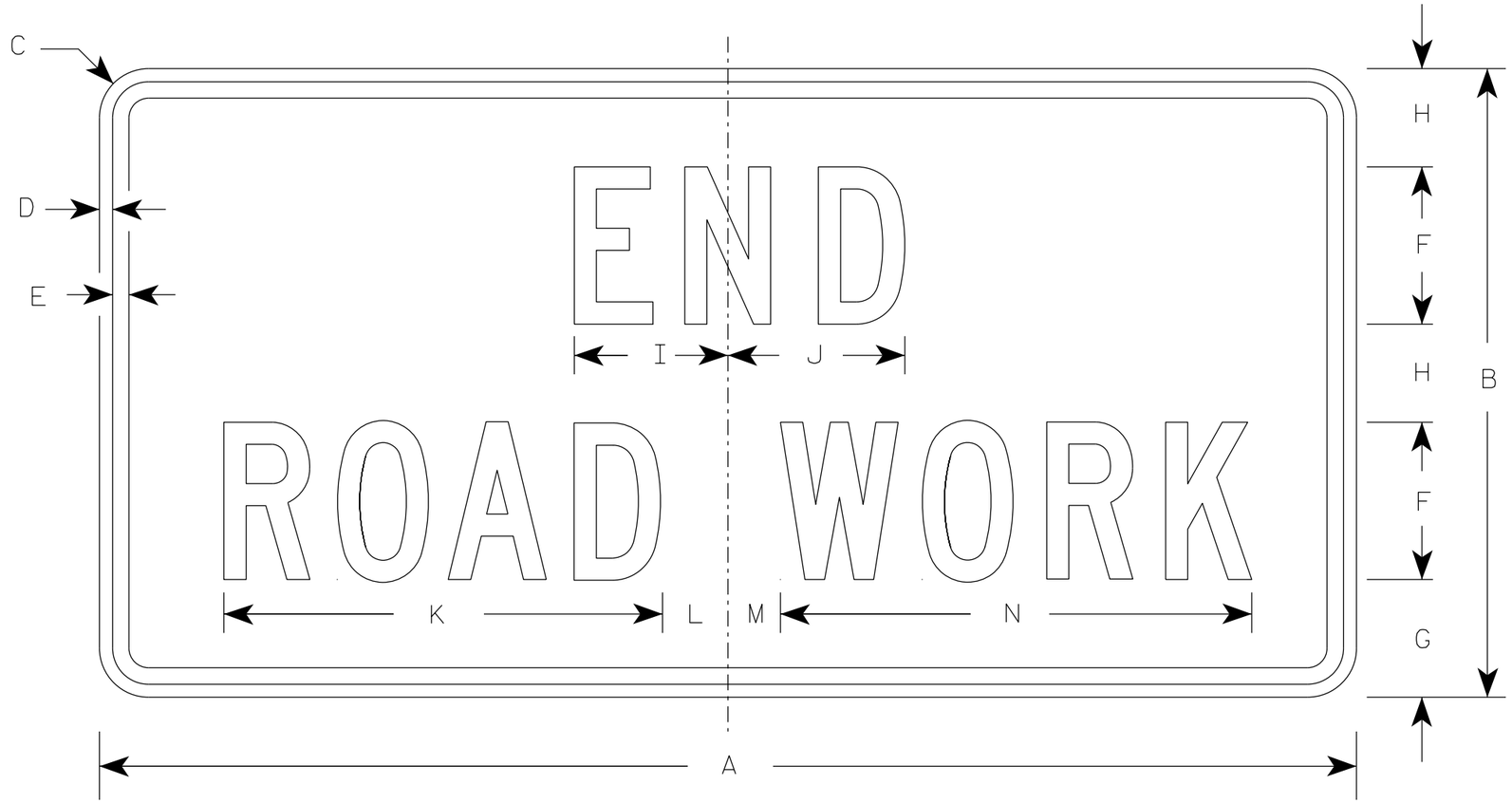
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 306 E



G20-2A

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	18	1 1/2	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
2	48	24	1 7/8	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
2M	48	24	1 7/8	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
3	48	24	1 7/8	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
4	48	24	1 7/8	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
5	48	24	1 7/8	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

STANDARD SIGN

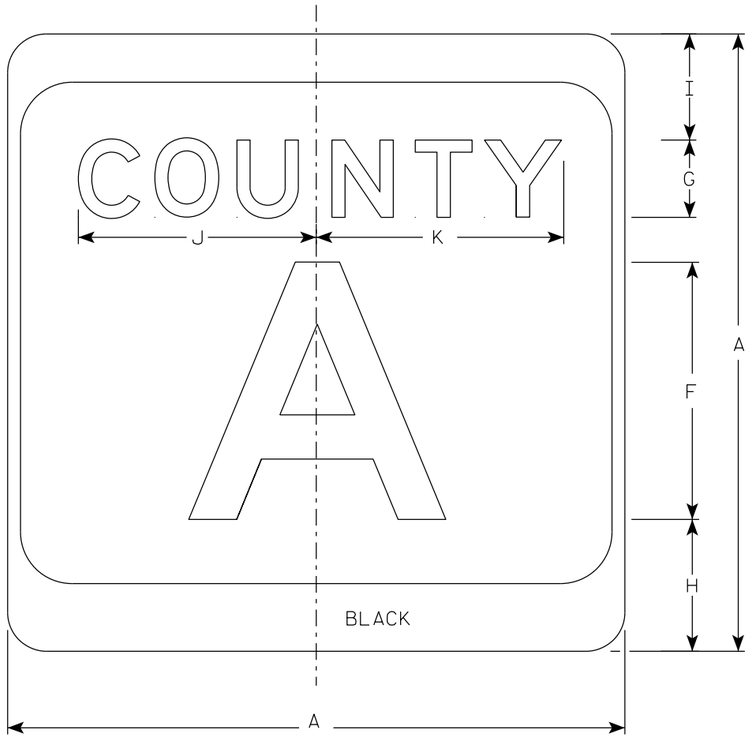
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

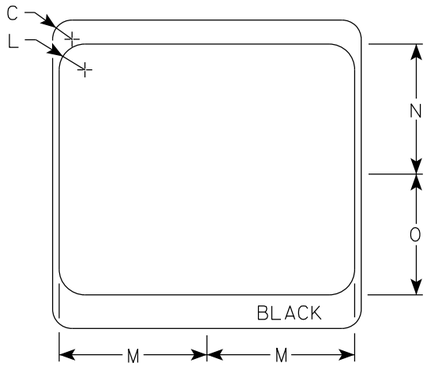
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 E

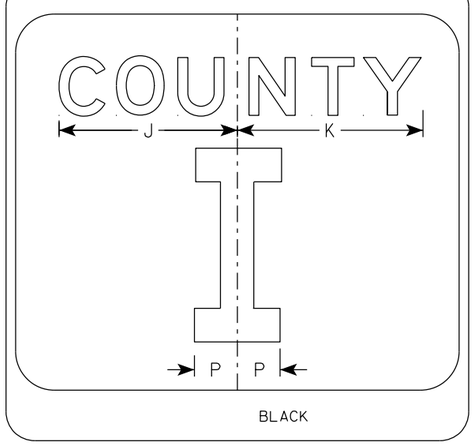


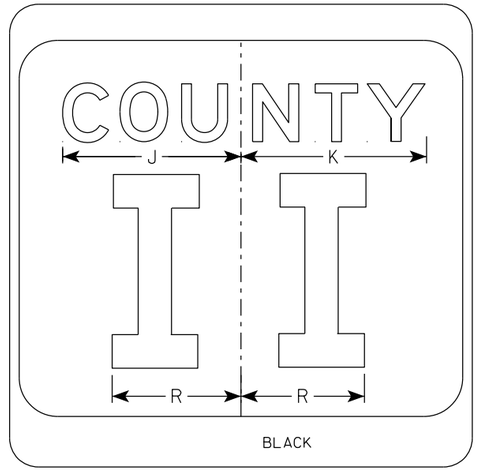
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. 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.
5. Substitute appropriate letters & optically center 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																											
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
2M	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

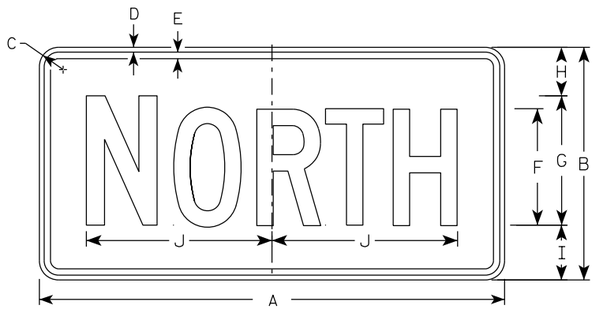
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

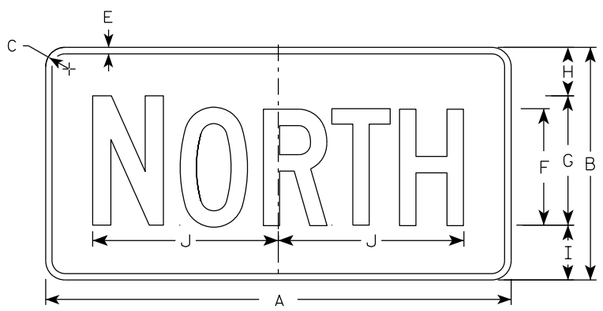
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

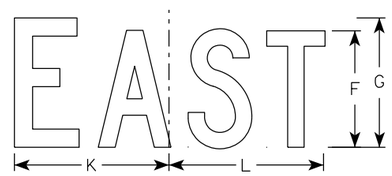
7



M3-1
MM3-1
MP3-1



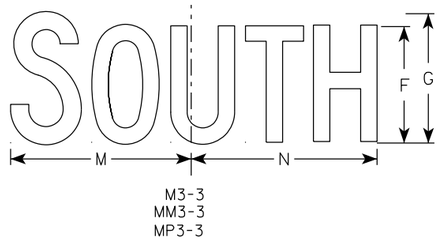
MB3-1
MK3-1
MN3-1



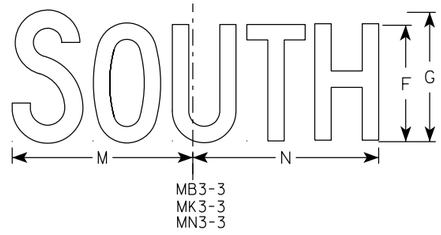
M3-2
MM3-2
MP3-2



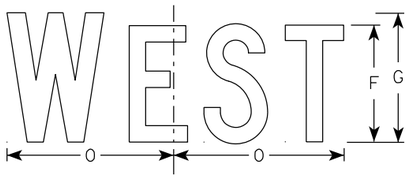
MB3-2
MK3-2
MN3-2



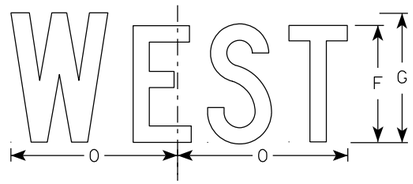
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

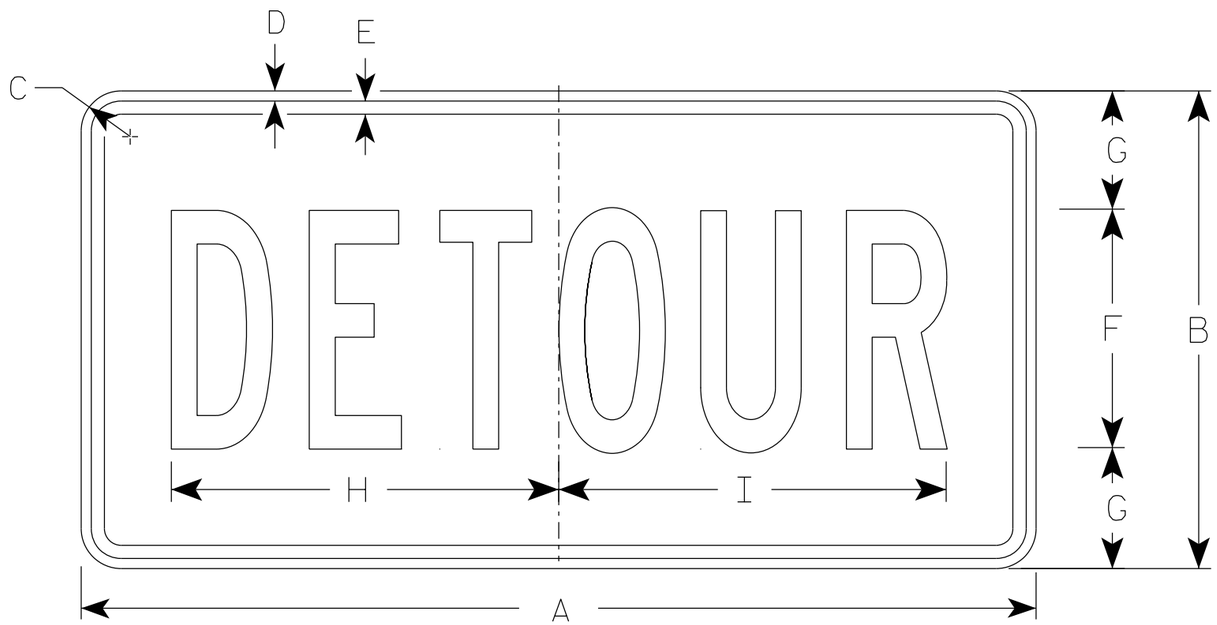
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M4-8

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 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

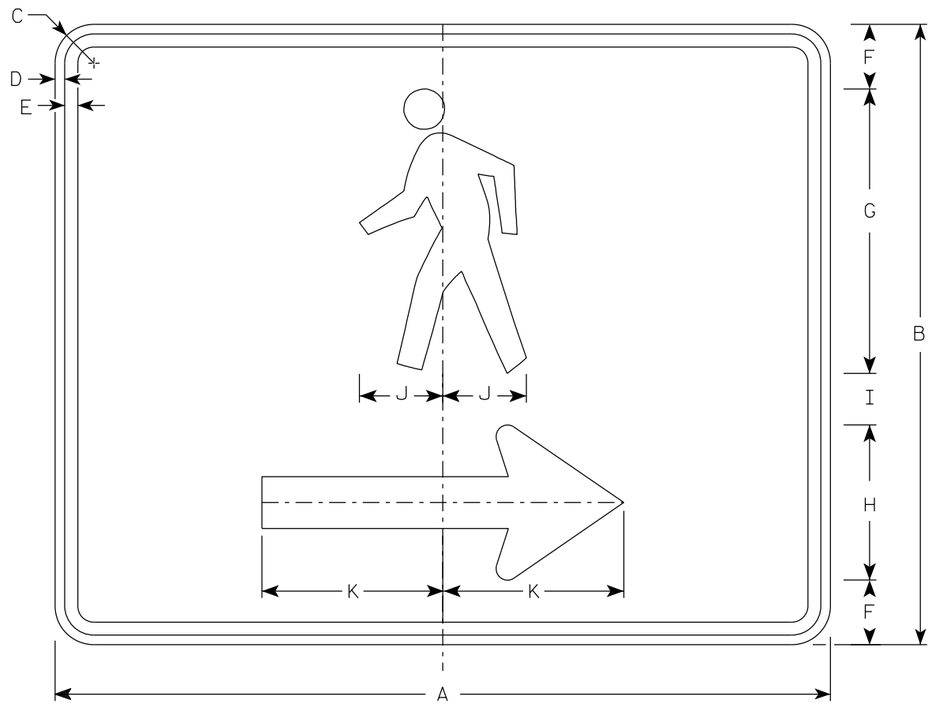
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

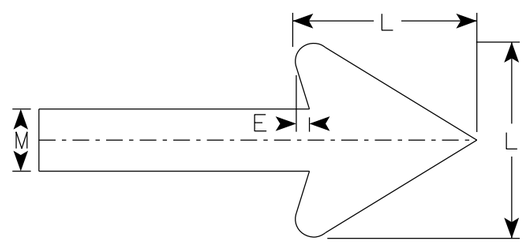
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 310	E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   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. M4-60L is the same as M4-60R except the arrow is reversed.



M4-60R



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	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

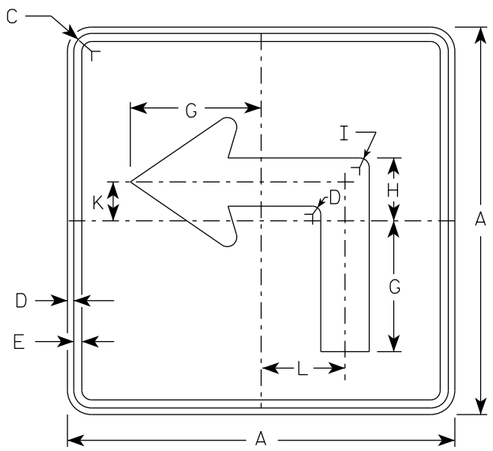
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

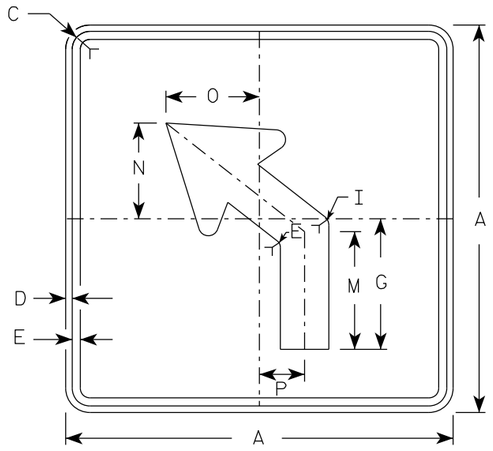
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

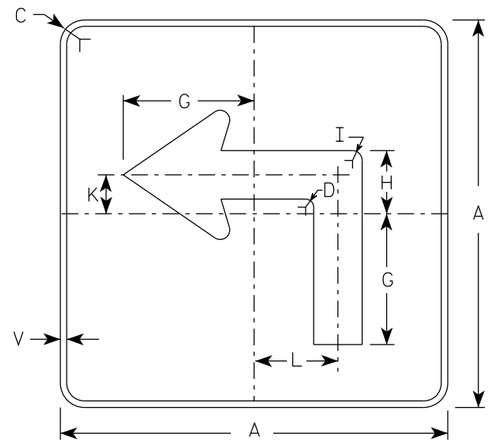
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 311 | E



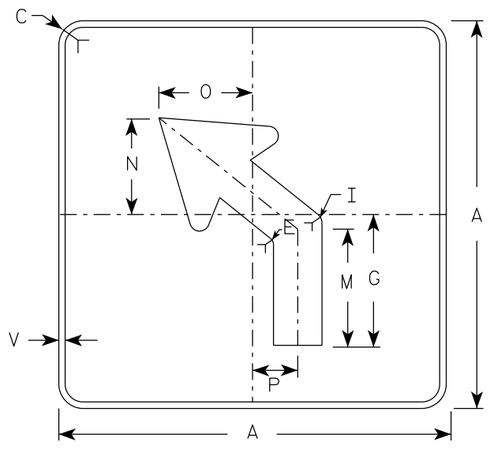
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

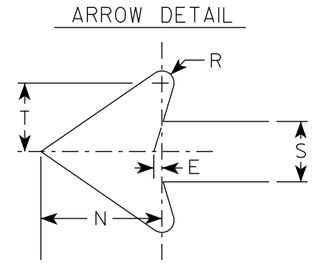


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   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.

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	21		1 1/2	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		1/2					3.06
2M	21		1 1/2	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		1/2					3.06
3	30		1 7/8	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		1/2					6.25
4	30		1 7/8	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		1/2					6.25
5	30		1 7/8	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		1/2					6.25

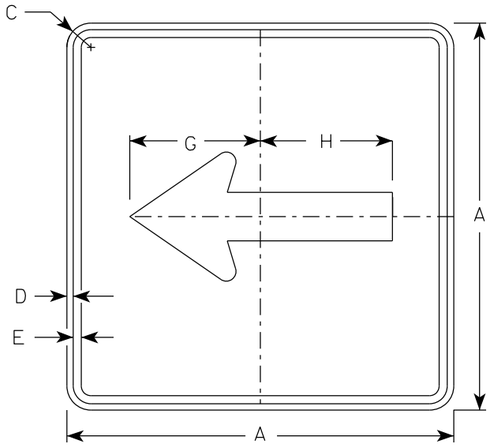
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

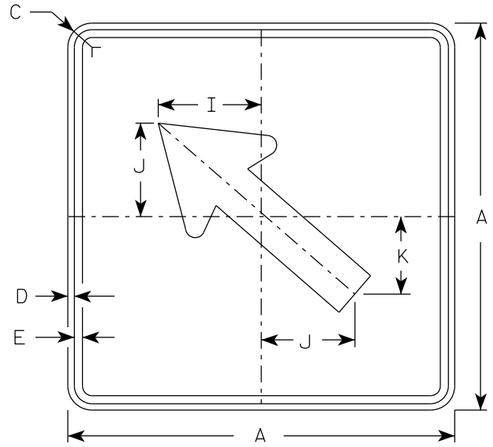
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

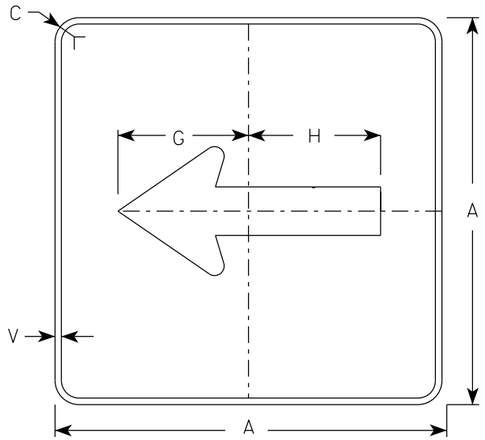
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E



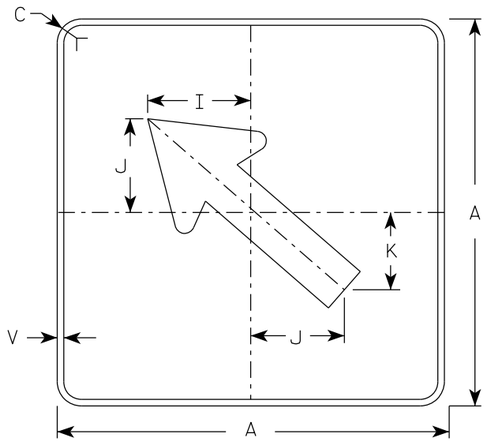
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

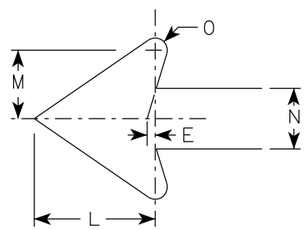


MB6-2
MK6-2
MN6-2
MR6-2

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. 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

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	21		1 1/2	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							1/2					3.06
2M	21		1 1/2	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							1/2					3.06
3	30		1 7/8	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							1/2					6.25
4	30		1 7/8	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							1/2					6.25
5	30		1 7/8	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							1/2					6.25

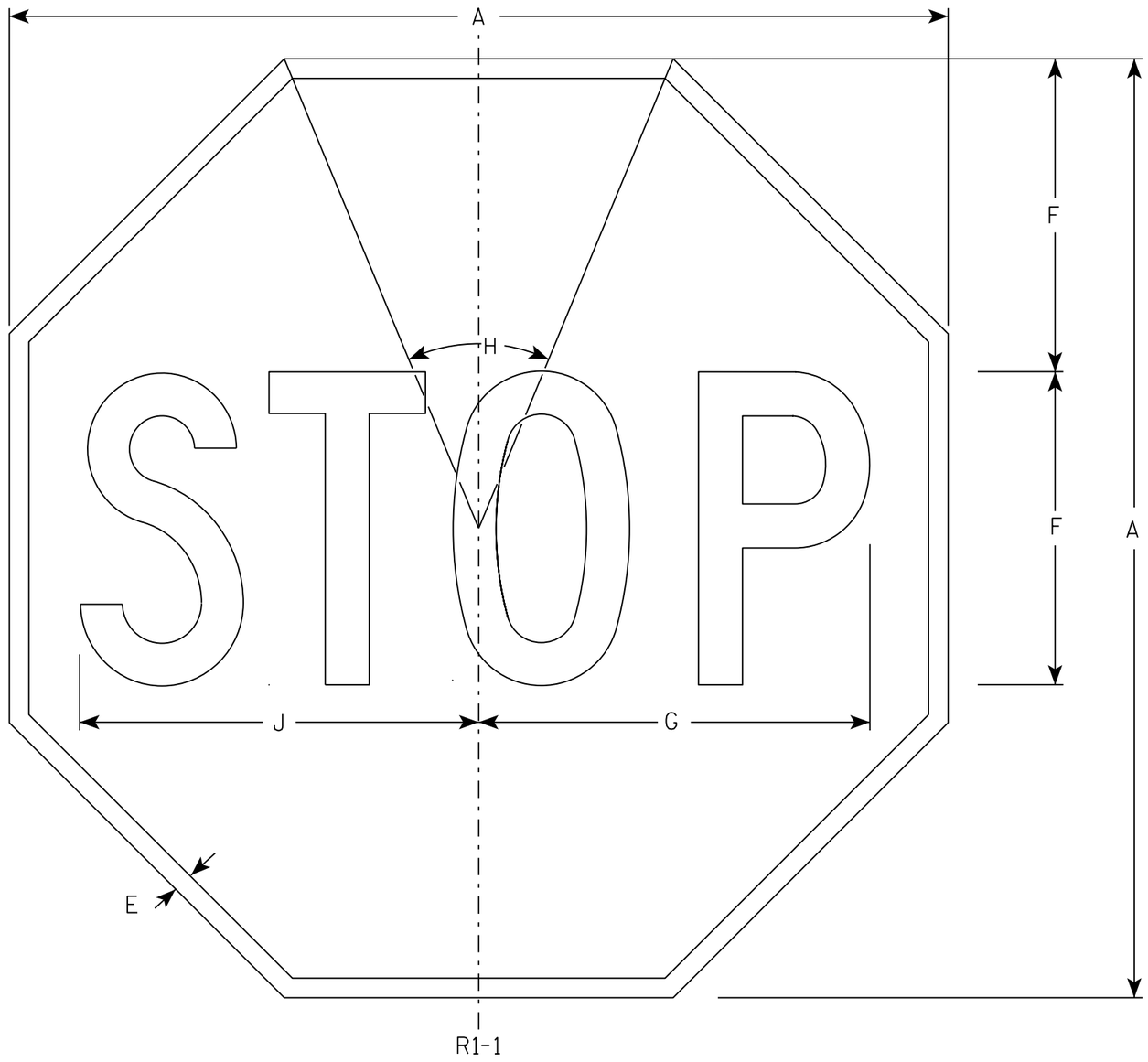
STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | 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 - 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

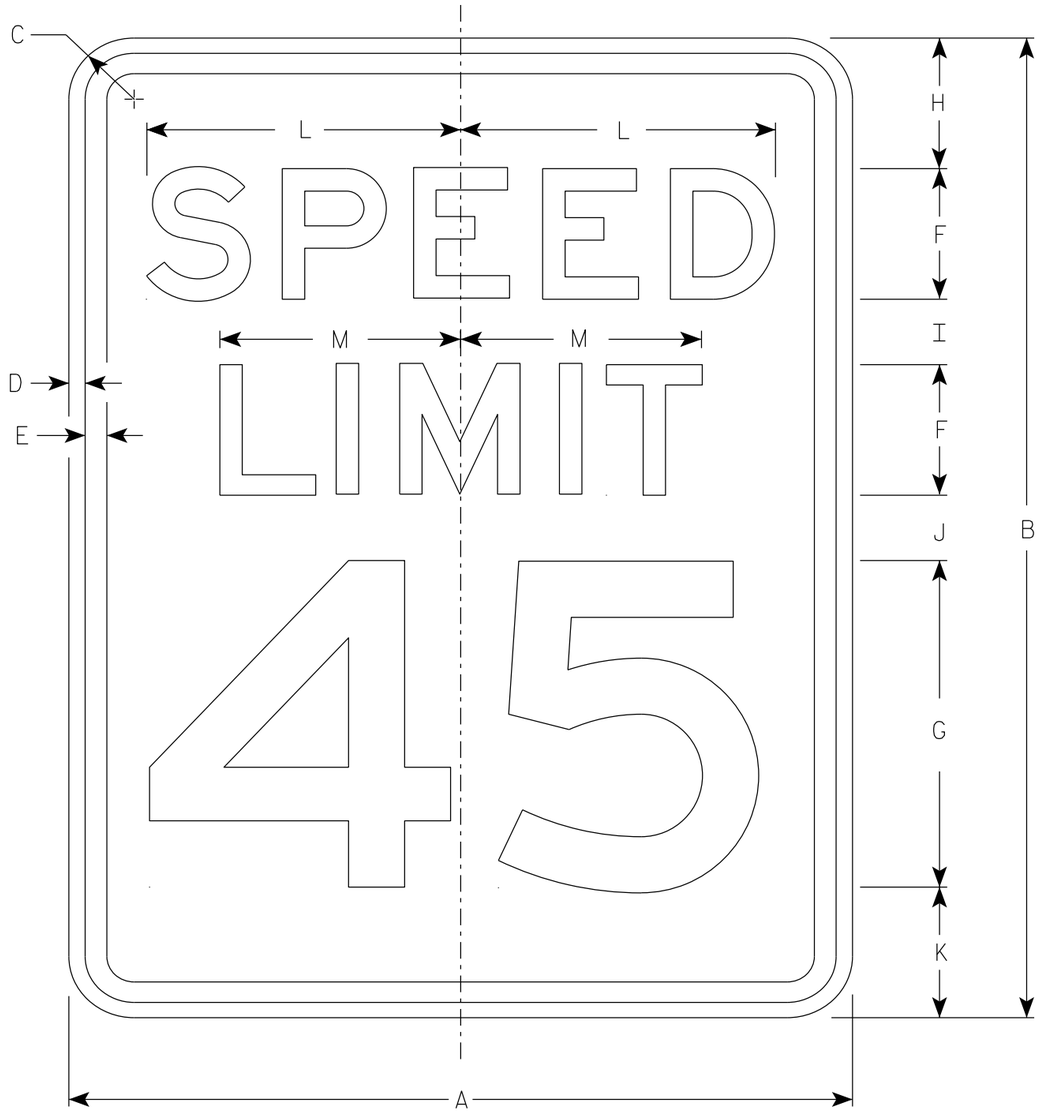
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 314	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. 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 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	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 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

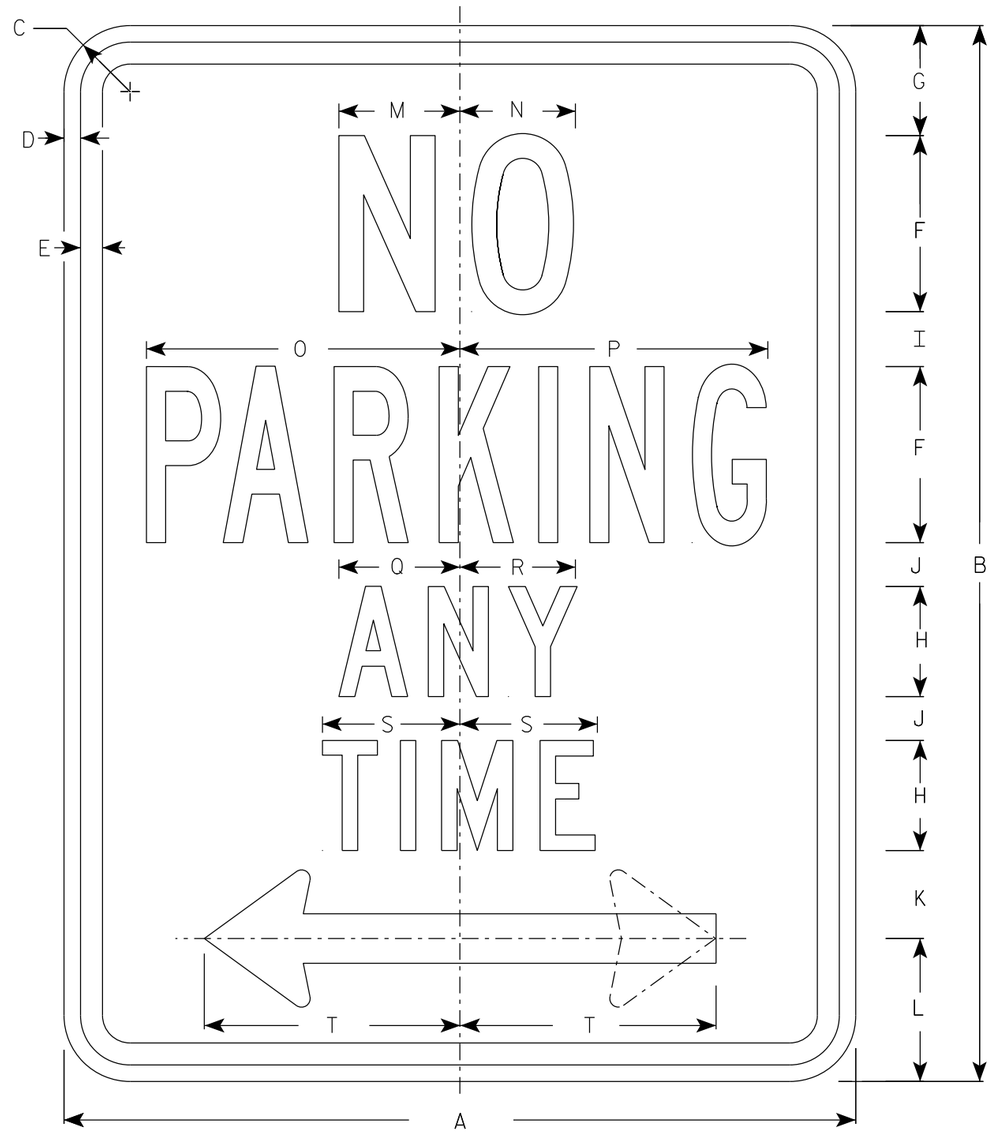
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E

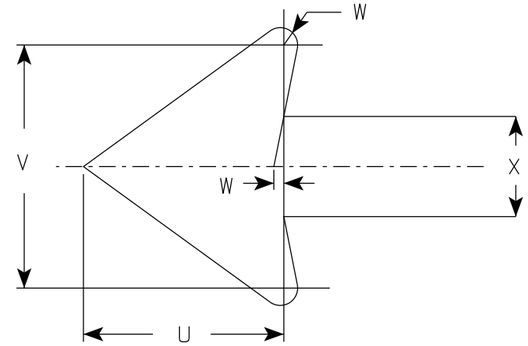


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

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	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

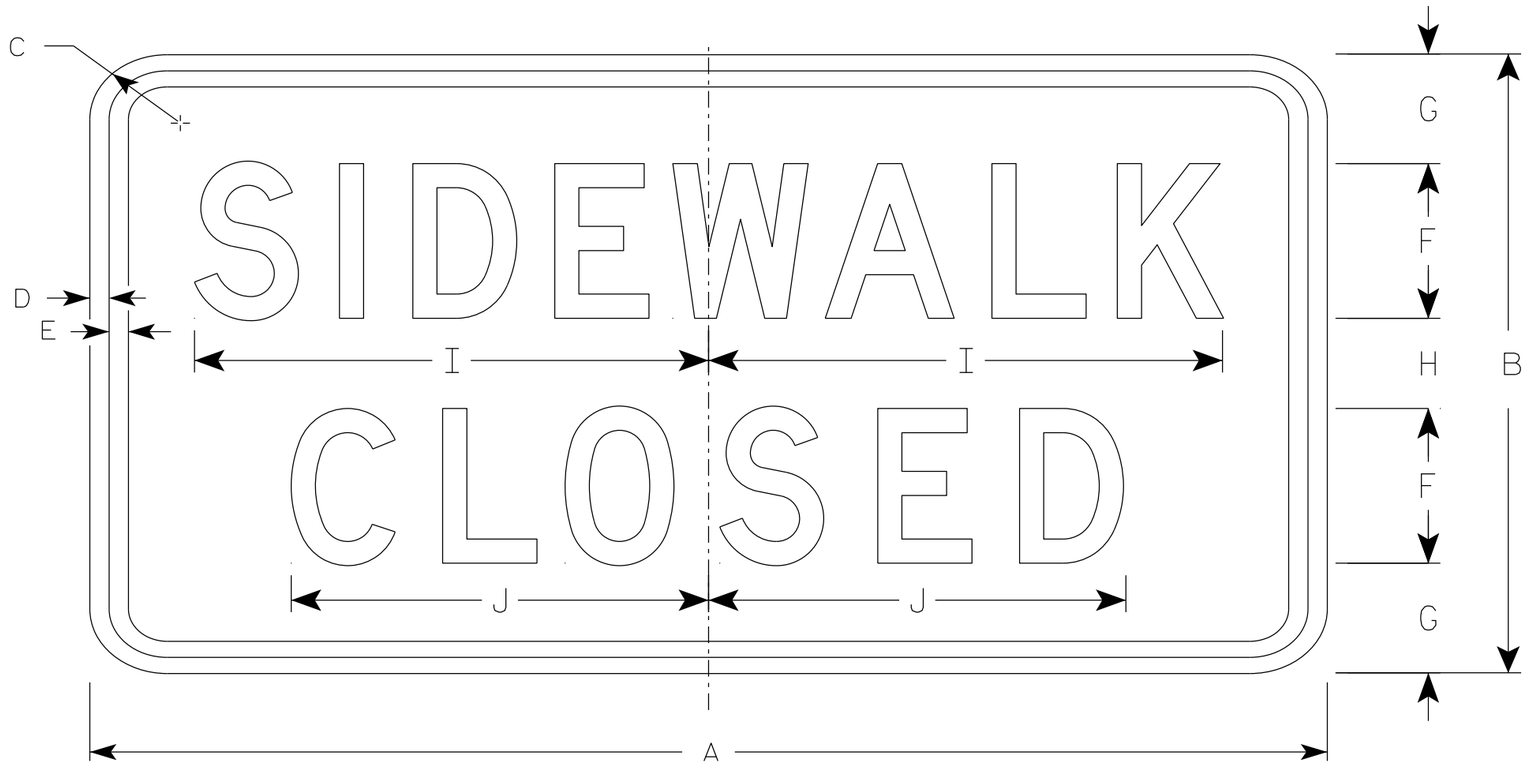
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 316 E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

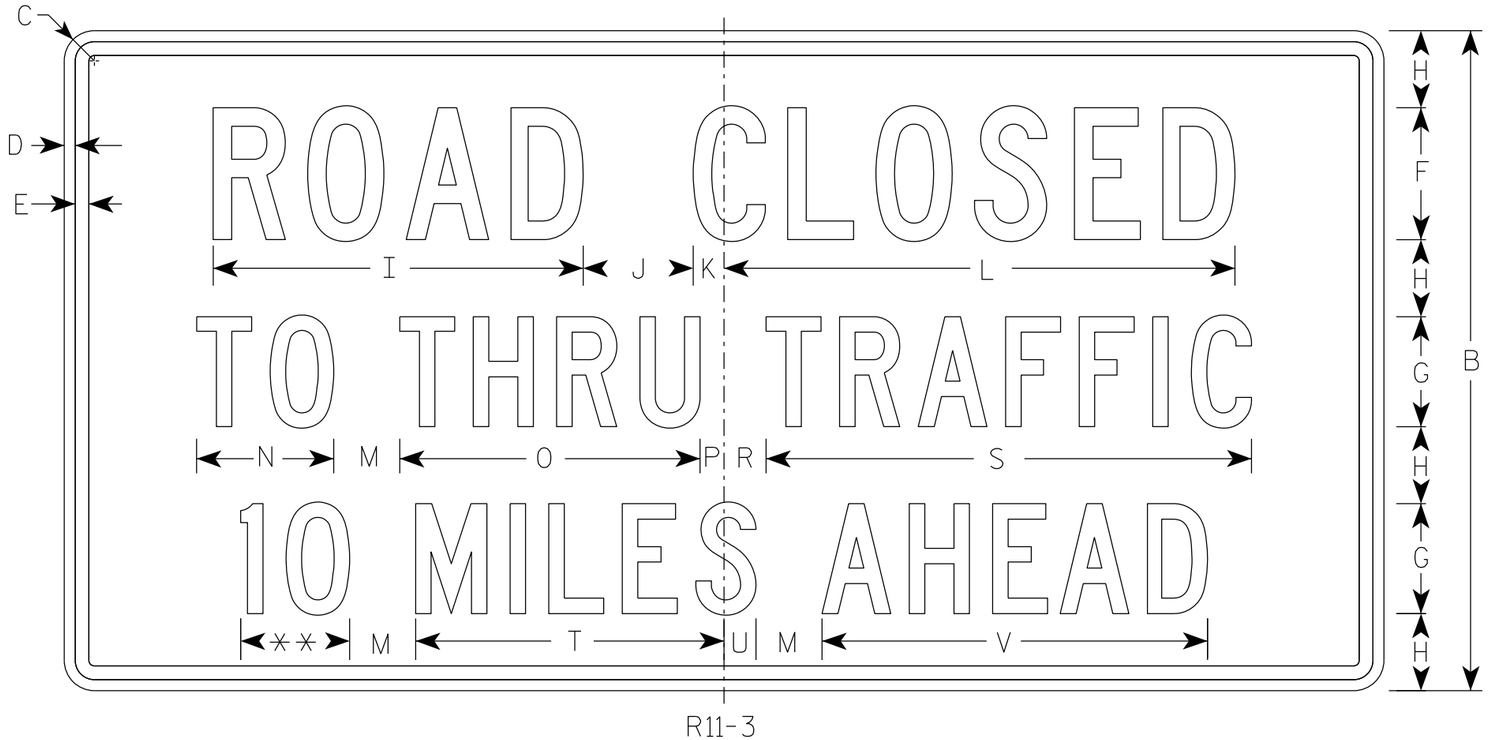
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 | E

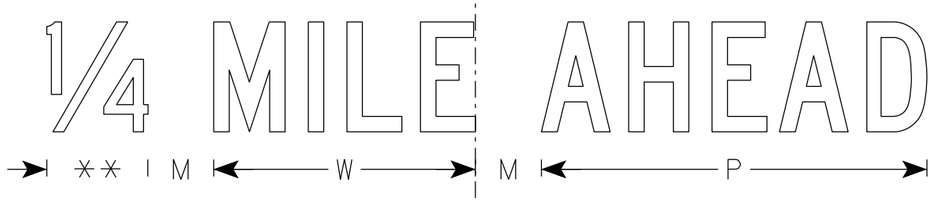
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

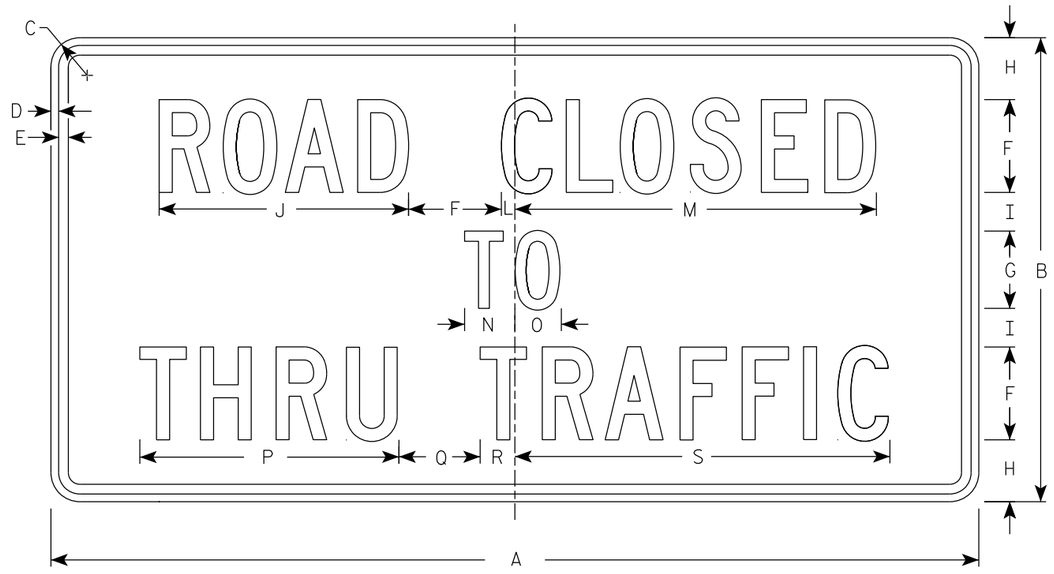
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 E



R11-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

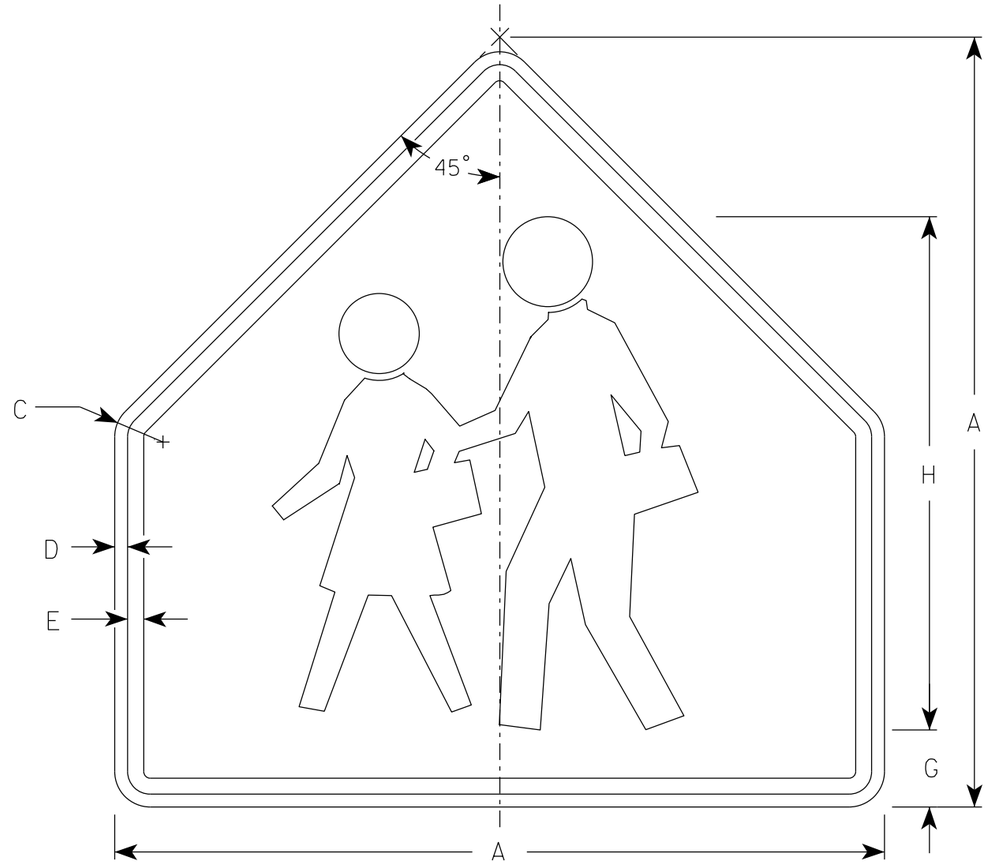
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black



S1-1

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
2S	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
2M	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		1 7/8	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

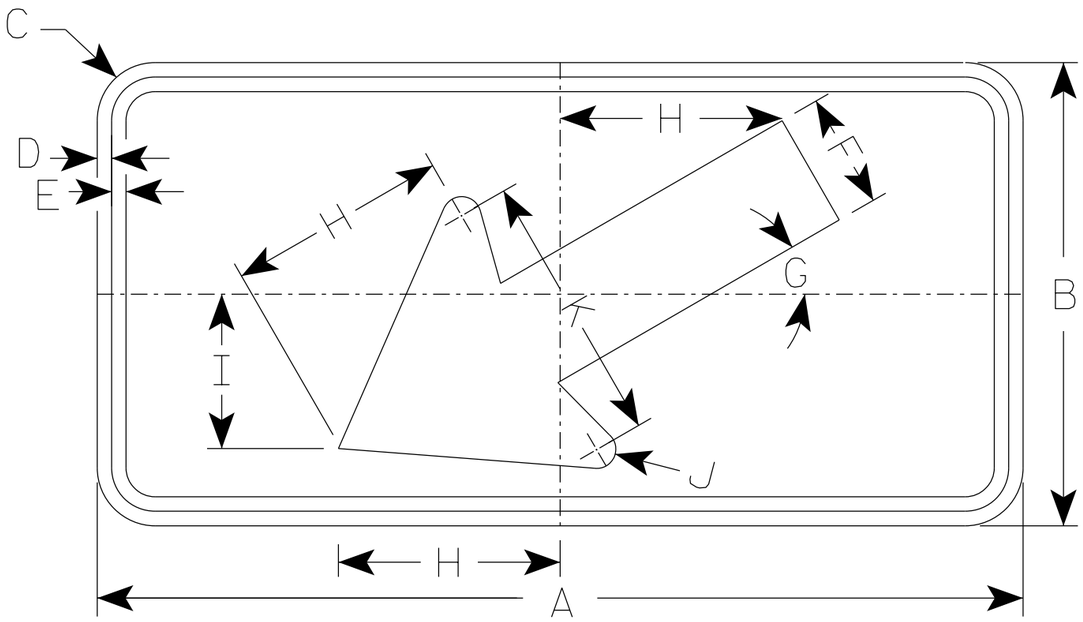
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/2023 PLATE NO. S1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R is the same as S16-7L except the arrow is reversed along the vertical centerline.



S16-7L

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 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
2S	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
5																											

STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

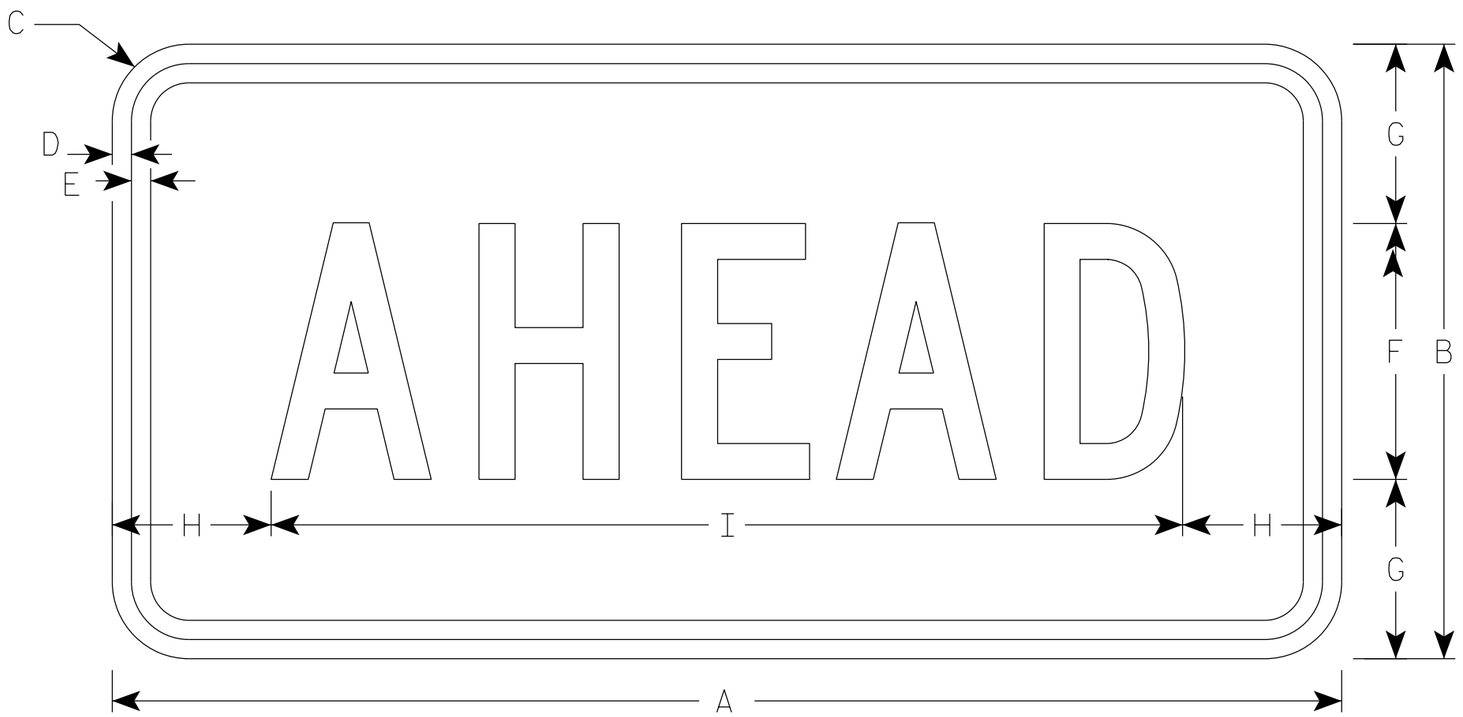
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C



S16-9P

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 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

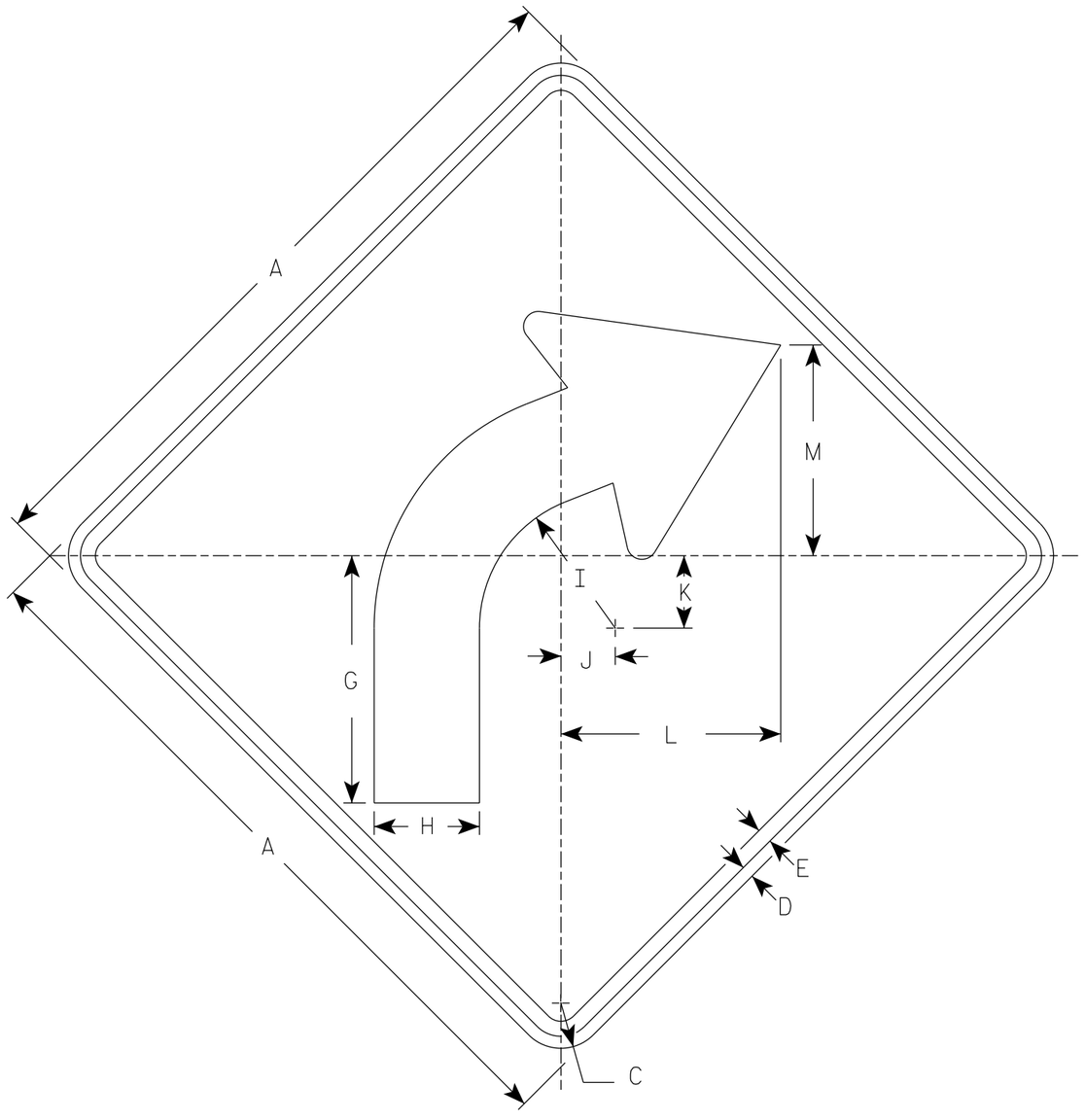
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-9P.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

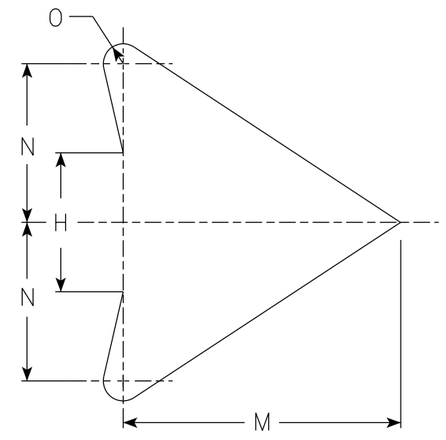
FILE NAME : C:\Users\PROJECTS\tr_stdplate\S169P.dgn PLOT DATE : 23-FEB 2023 10:32 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W1-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



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 1/2	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 7/8	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		2 1/4	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		2 1/4	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		2 1/4	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		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

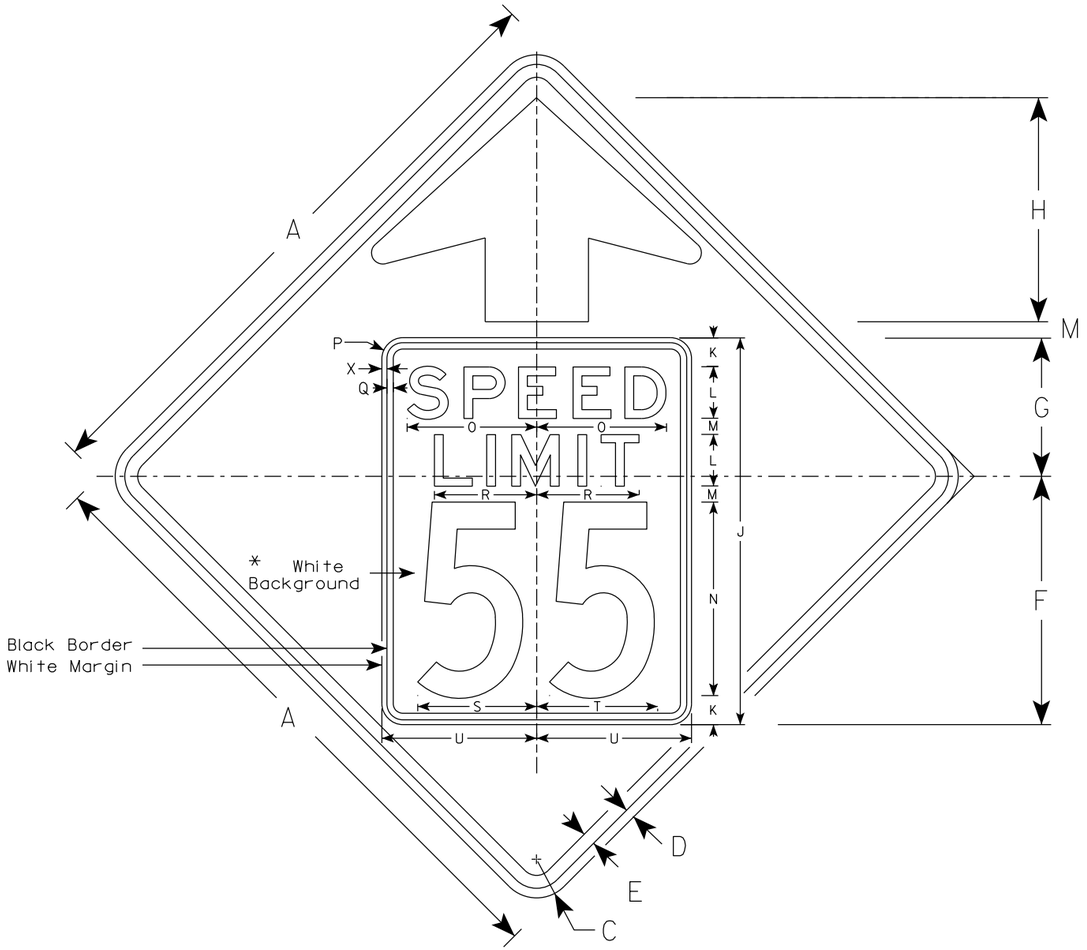
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/2023 PLATE NO. W1-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E

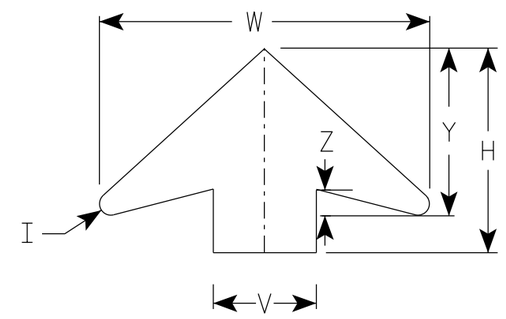


W3-5

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color: *
   Background - Yellow* (Type F Reflective)
   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 with black message (Type SH Reflective)



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		2 1/4	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		2 1/4	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		2 1/4	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		3	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		3	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

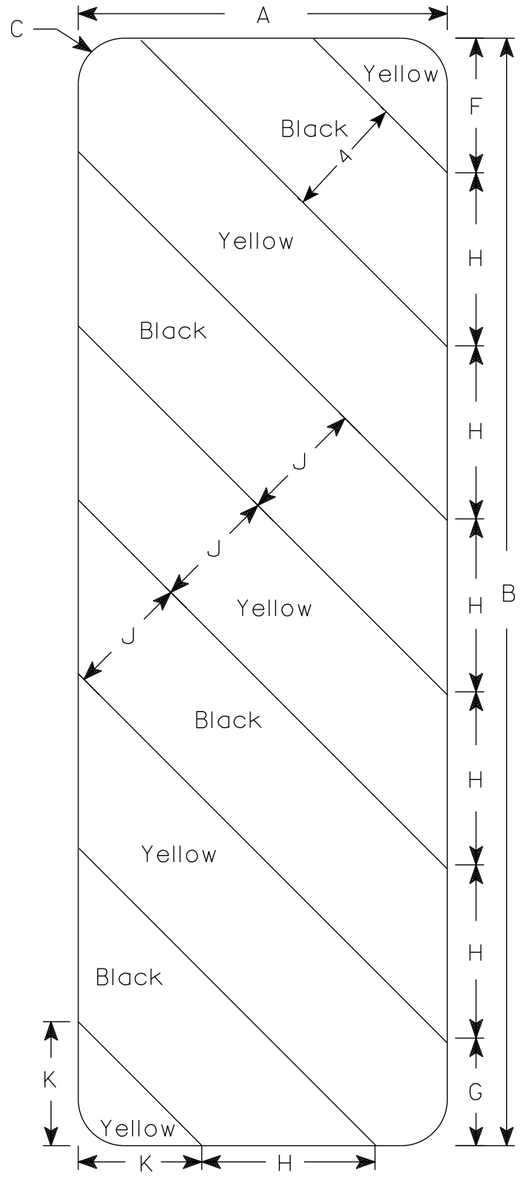
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

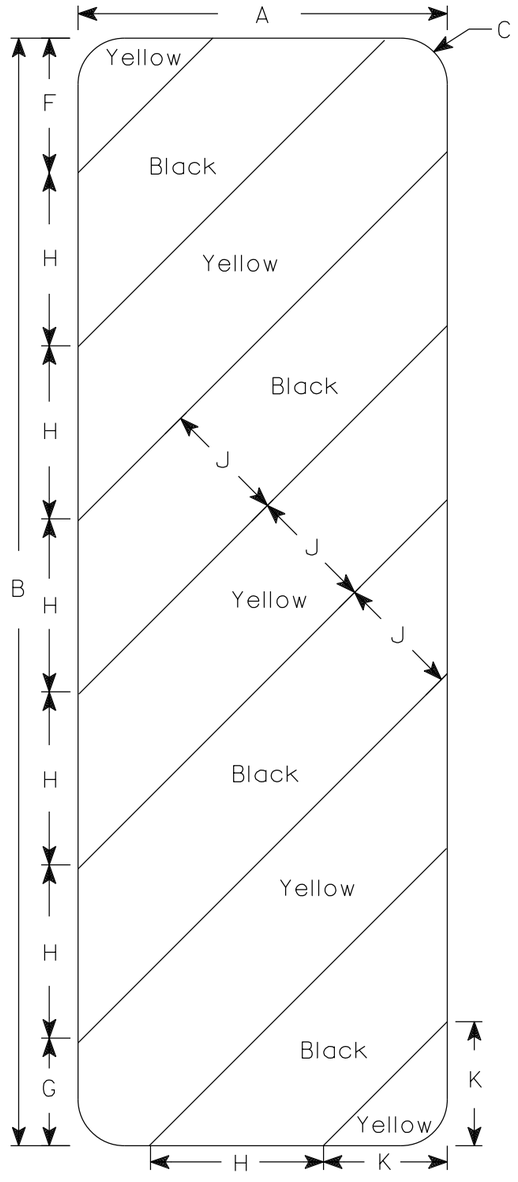
DATE 8/30/2023 PLATE NO. W3-5.7

PROJECT NO:

SHEET NO: 324 E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Alternate colors of stripes as shown.

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	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

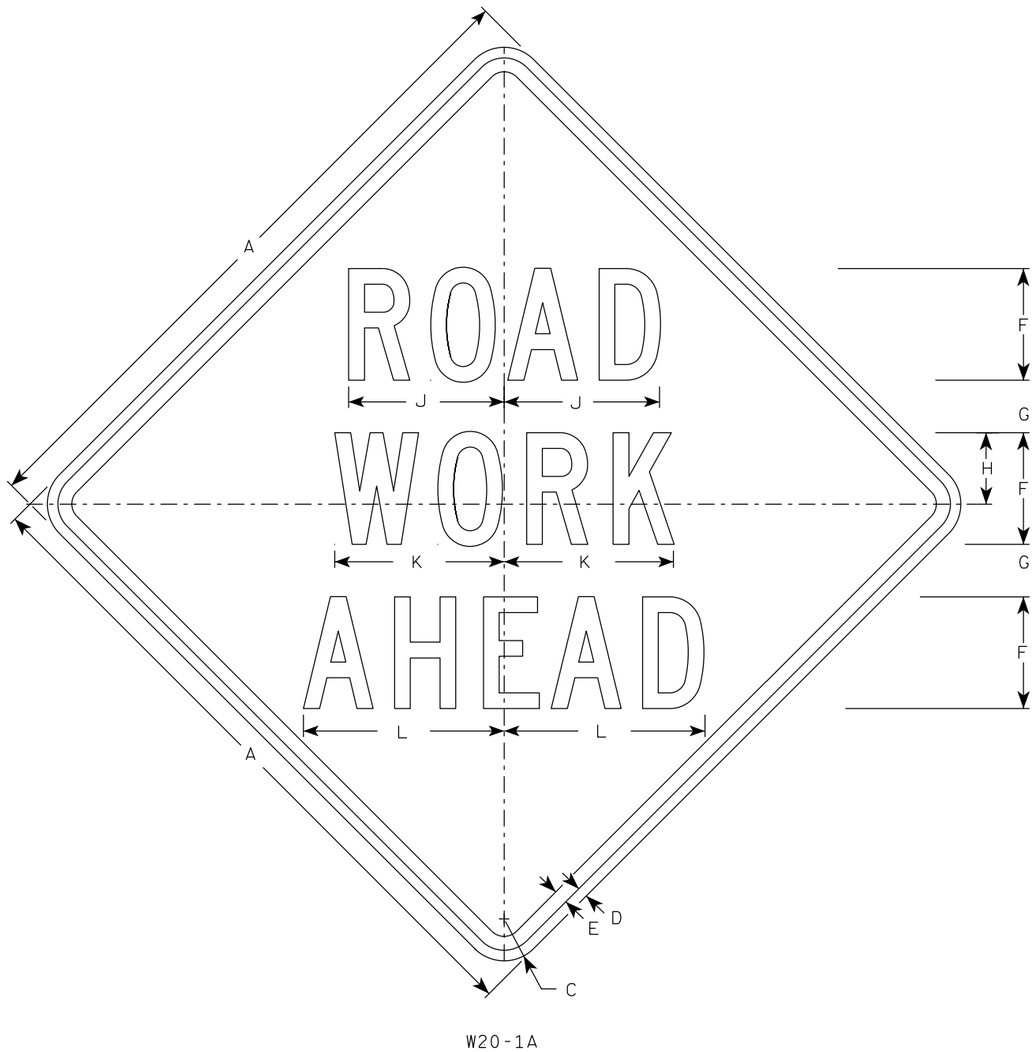
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-52.10

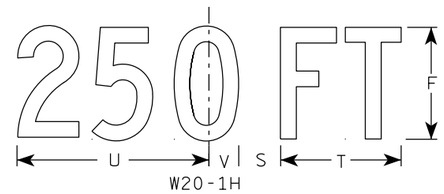
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 E

7

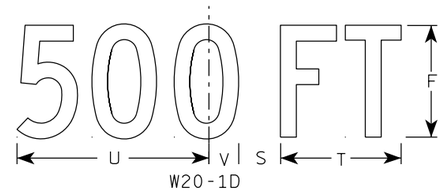
7



W20-1A



W20-1H



W20-1D



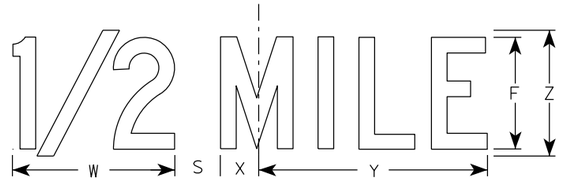
W20-1C



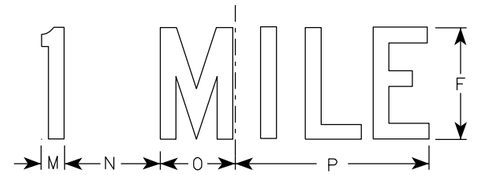
W20-1B

NOTES

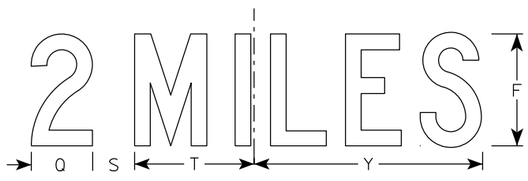
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

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		2 1/4	5/8	3/4	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	3 1/4	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		3	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		3	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		3	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		3	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		3	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, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

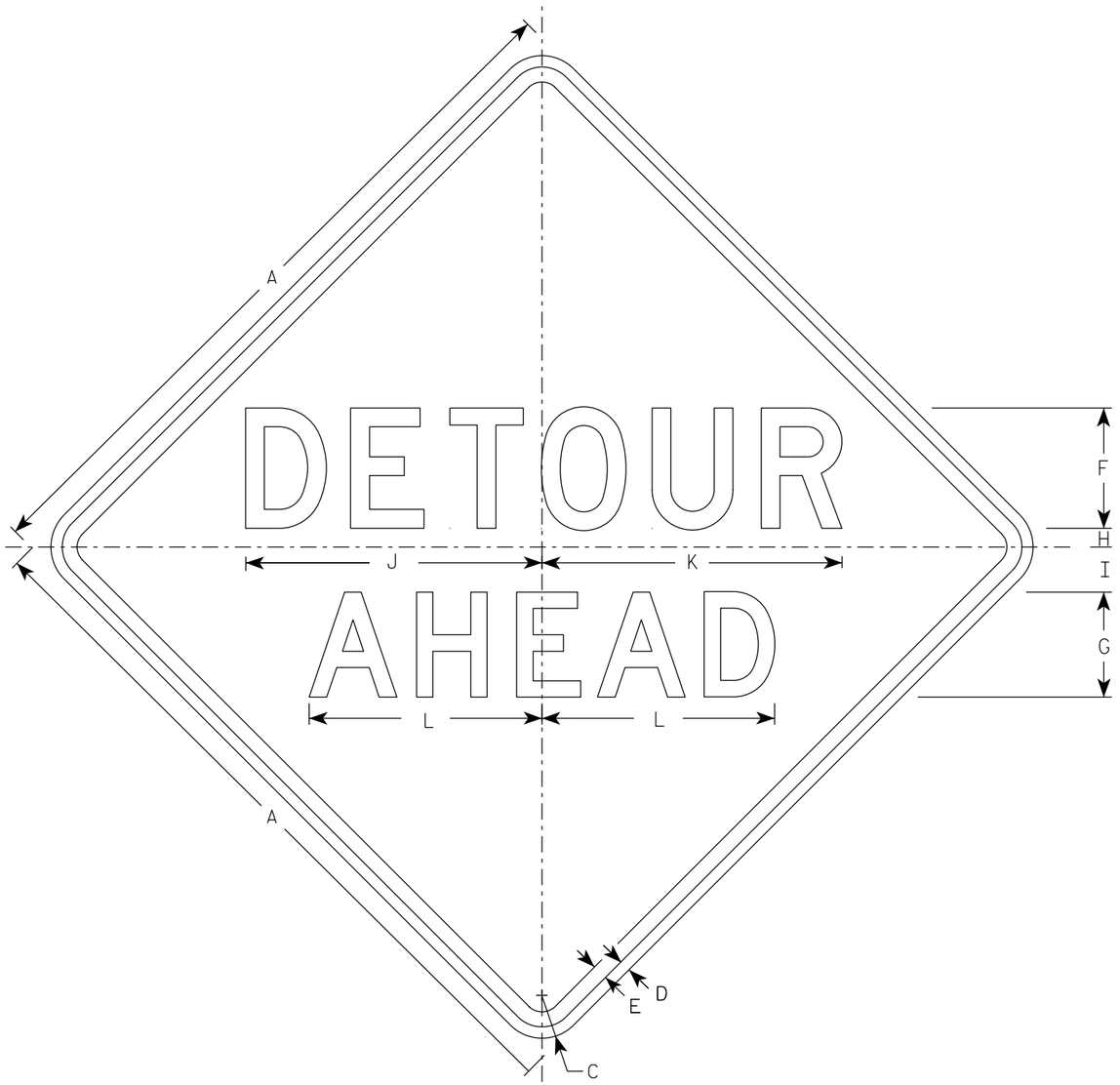
PROJECT NO:

SHEET NO: 326 E

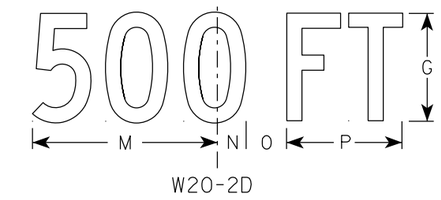
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

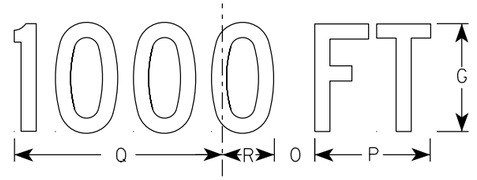
7



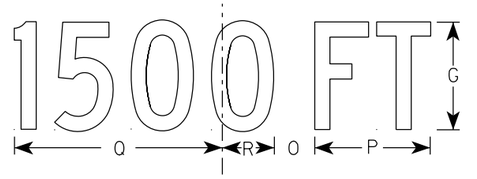
W20-2A



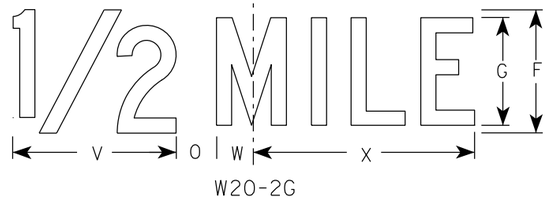
W20-2D



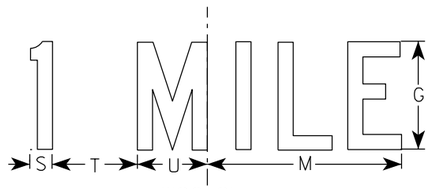
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

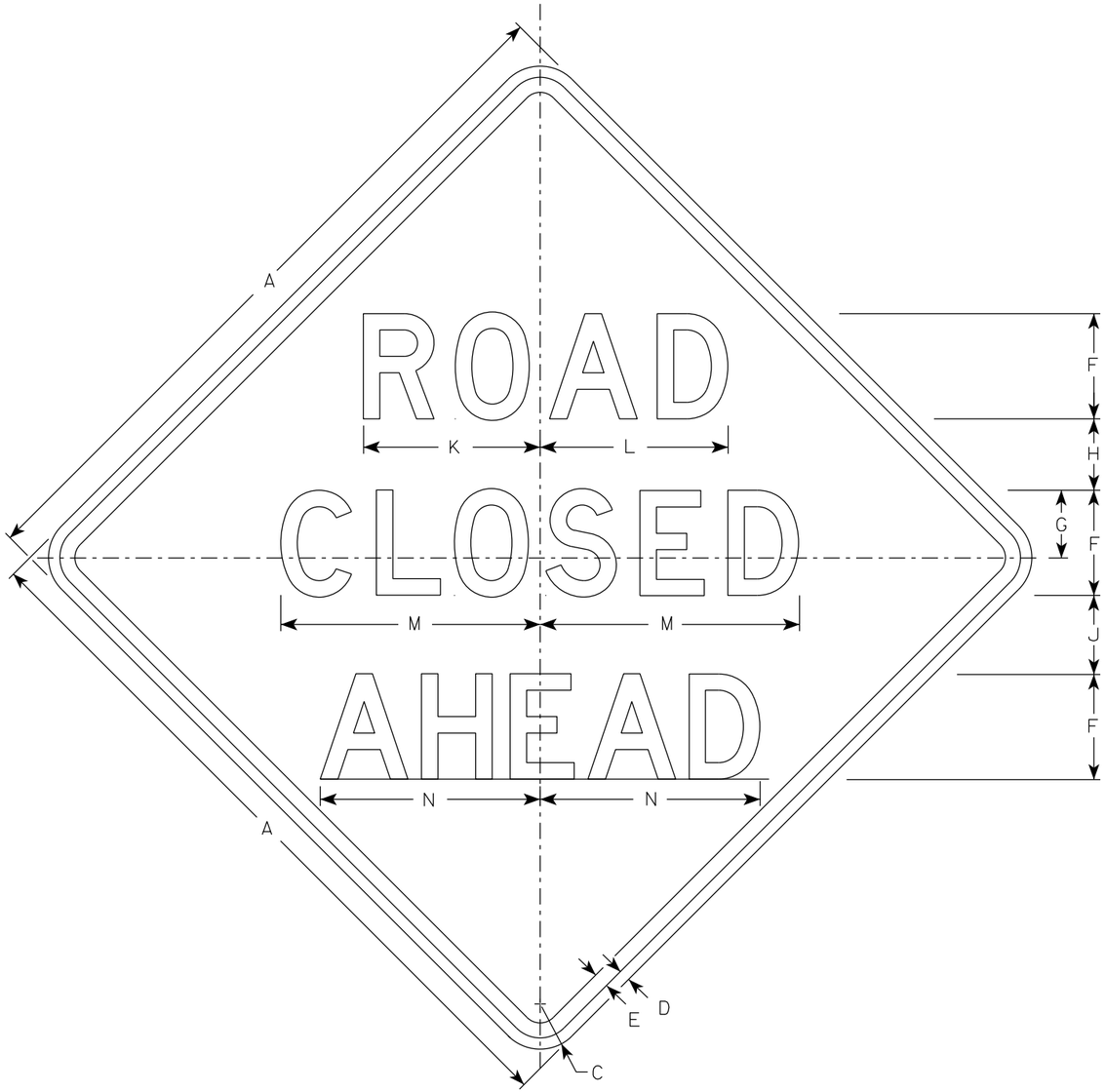
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

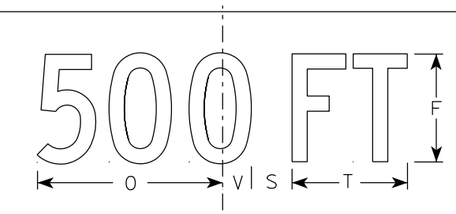
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

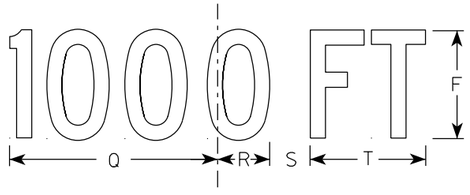
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



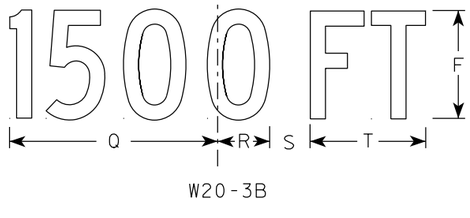
W20-3A



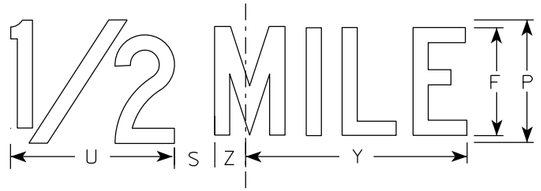
W20-3D



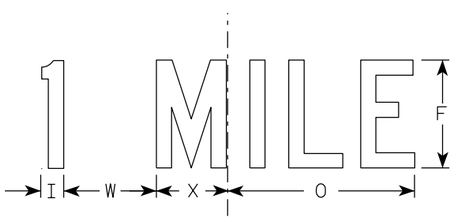
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

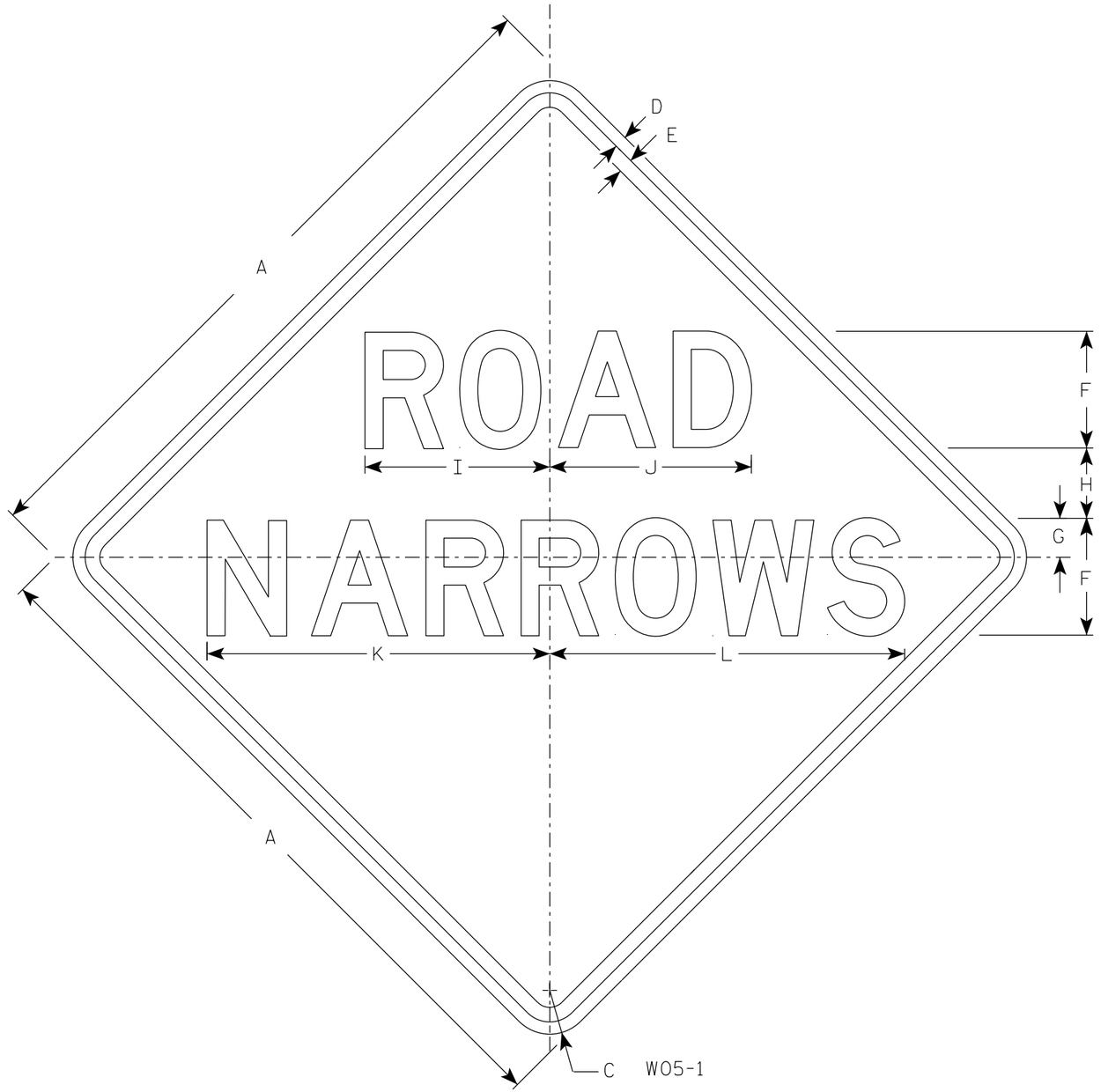
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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		2 1/4	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

STANDARD SIGN
W05-1

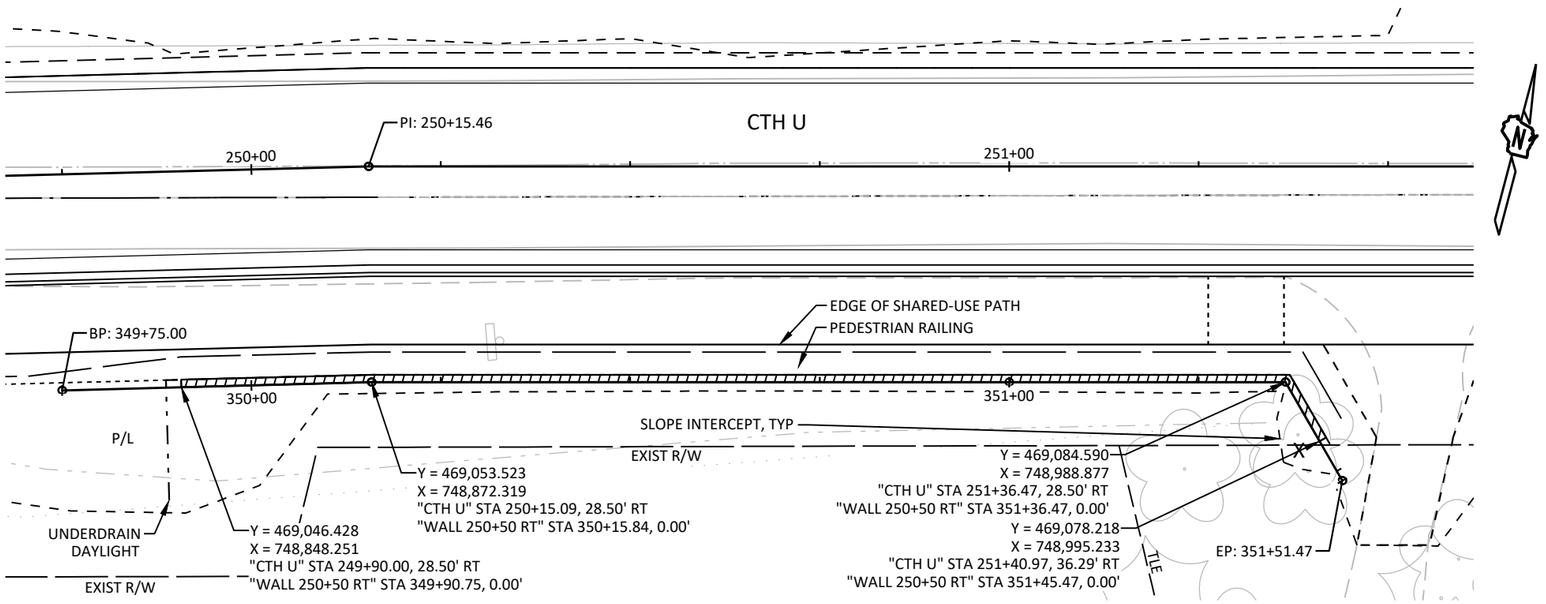
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

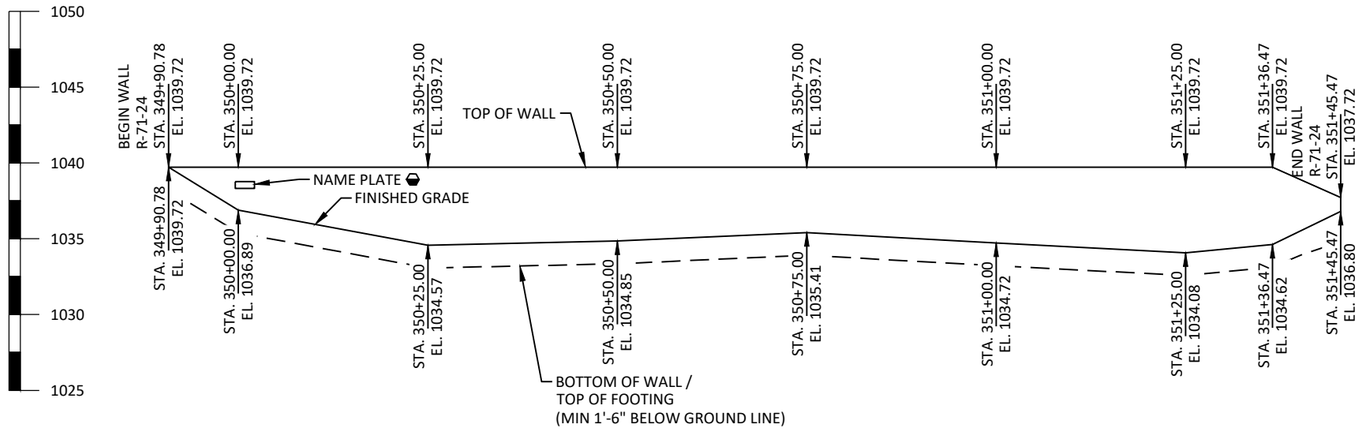
DATE 1/29/2024 PLATE NO. W05-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 329 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W051.dgn PLOT DATE : 29-JAN 2024 8:10 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PLAN



ELEVATION
LOOKING AT F.F. OF WALL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	204
SPV.0165	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH, R-71-24	SF	1,011

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

THE PLAN QUANTITY FOR THE BID ITEM WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-71-24 IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COLOR OF BLOCK SHALL BE GRAY, TUMBLED FINISH.

THE CONTRACTOR SHALL PROVIDE A COLOR SAMPLE TO THE ENGINEER FOR APPROVAL PRIOR TO BLOCK FABRICATION.

LOCATE NAME PLATE ON THE FRONT OF WALL APPROXIMATELY 3' TO 6' HIGH. CENTERED ON A NON CAP BLOCK OR AS DIRECTED BY THE FIELD ENGINEER.

B.F. = BACK FACE
F.F. = FRONT FACE

AT THE BACK FACE OF THE WALL, ALL EXCAVATED VOLUME NO OCCUPIED BY THE NEW STRUCTURE OR THE REINFORCED SOIL ZONE SHALL BE BACKFILLED WITH EMBANKMENT. BACKFILLING THE RETAINED SOIL ZONE IS INCLUDED IN THE BID ITEM FOR "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-71-24".

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST FROM WISDOT'S NC REGION LOCAL PROGRAM MANAGEMENT CONSULTANT.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE WALL R/L UNLESS OTHERWISE SHOWN.

ONLY BLOCKS WITH A MAXIMUM HEIGHT OF 9" MAY BE USED FOR THIS STRUCTURE.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD, R-71-24".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THE DRAWING ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED GRADE SLOPED BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

DESIGN RETAINING WALLS FOR A LIVE LOAD SURCHARGE OF 100 PSF.

FOR THE PURPOSES OF COMPUTING LATERAL EARTH PRESSURES AGAINST UTILITIES AND STRUCTURES, ASSUMING TRIANGULAR LOAD DISTRIBUTION WITH GRANULAR BACKFILL, THE FOLLOWING SOIL PARAMETERS MAY BE USED:

γ = 115 pcf, φ = 30°, K_a = 0.33, K_p = 3.0

LIST OF DRAWINGS:

1. GENERAL PLAN
2. TYPICAL SECTION & DESIGN PARAMETERS
3. SUBSURFACE EXPLORATION

STATE PROJECT NUMBER

6934-06-73

DESIGN DATA

BRIDGE OFFICE:
AARON BONK (608) 261-0261

CONSULTANT:
ROB SISTO (920) 830-6108

NO.	DATE	REVISION	BY

Westwood

ACCEPTED JLR 01/07/26
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-71-24

CTH U

COUNTY: WOOD
~~TOWN/CITY~~/VILLAGE: BIRON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
RFS	CPR	CPR	RFS

GENERAL PLANS

SHEET 1 OF 3
330

I.D.

DATE:

8

8

STATE PROJECT NUMBER

6934-06-73

SOIL PARAMETERS

STRATUM LOCATIONS AND SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PCF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL	30	0	115
B-2, STA 247+07.13, 10.66' RT			
GLACIAL OUTWASH; (SAND, LITTLE GRAVEL, FINE TO MEDIUM GRAINED, YELLOWISH BROWN MOTTLED WITH DARK YELLOWISH BROWN, MOIST, LOOSE) EL. 1038.87 TO EL. 1035.97 (EL. 98.9 TO EL. 96.0)	28	0	115
SILTY SAND; (FINE GRAINED, DARK BROWN, AND DARK YELLOWISH BROWN, MOIST, LOOSE) EL. 1035.97 TO EL. 1033.97 (EL. 96.0 TO EL. 94.0)	28	0	115

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	7.14
EXPOSED WALL HEIGHT (FEET)	5.64
MINIMUM LENGTH OF REINFORCEMENT/WALL WIDTH (FEET)	8.50
BORING LOCATION USED	B-2
APPROXIMATE WALL STATION	STA. 351+25.00
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.13
ECCENTRICITY (CDR > 1.0)	4.32
OVERALL STABILITY (CDR > 1.0)	1.02
BEARING RESISTANCE (CDR > 1.0)	2.33
FACTORED BEARING RESISTANCE (PSF)	3,000

NOTES:
1. THE SAFETY FACTORS LISTED INCLUDE PEDESTRIAN LOADINGS. IF DURING CONSTRUCTION HEAVY EQUIPMENT IS OPERATED IN CLOSE PROXIMITY TO THE WALL, OF IF MATERIAL IS STOCKPILED NEAR THE WALL, THE SAFETY FACTORS LISTED DECREASE SIGNIFICANTLY.

2. FINAL DESIGN FOR INTERNAL STABILITY, EXTERNAL SLIDING AND ECCENTRICITY IS THE RESPONSIBILITY OF THE WALL DESIGNER.

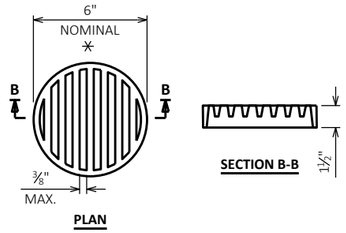
3. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.

4. A FRICTION ANGLE OF 30 DEGREES WAS USED TO EVALUATE SLIDING RESISTANCE.

5. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEVATION	FINISHED GRADE ELEVATION
349+90.75	249+90.00	28.50' RT	1039.72	1039.72
350+00.00	249+99.25	28.50' RT	1039.72	1036.89
350+25.00	250+25.00	28.50' RT	1039.72	1034.57
350+50.00	250+50.00	28.50' RT	1039.72	1034.85
350+75.00	250+75.00	28.50' RT	1039.72	1035.41
351+00.00	251+00.00	28.50' RT	1039.72	1034.72
351+25.00	251+25.00	28.50' RT	1039.72	1034.08
351+36.47	251+36.47	28.50' RT	1039.72	1034.62
351+45.47	251+45.47	36.30' RT	1036.80	1036.80

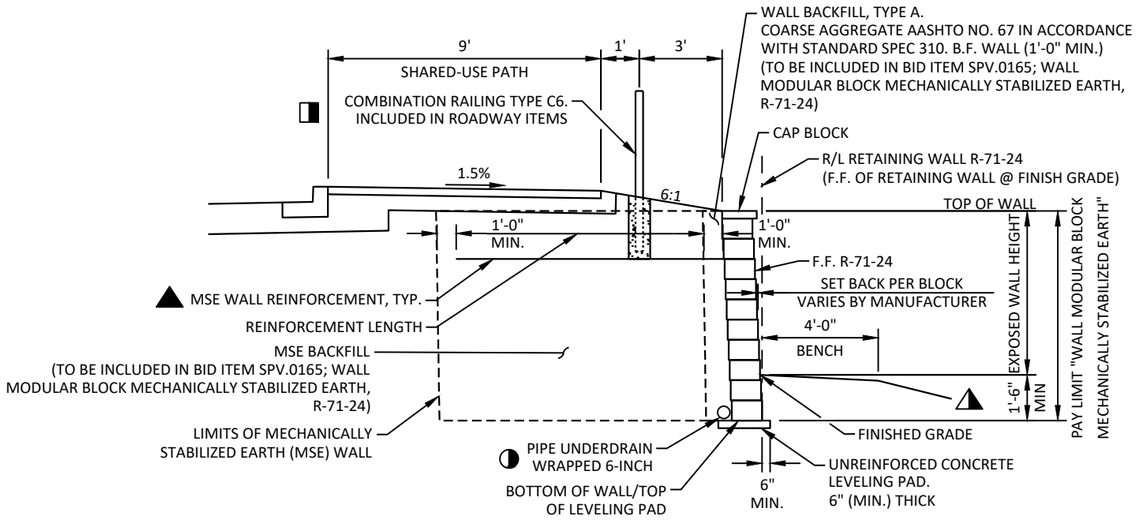


RODENT SHIELD DETAIL

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

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

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



TYPICAL CROSS SECTION OF WALL

STA 349+90.78 TO STA 351+45.47

LEGEND

MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (1'-6" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENTS SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.

MINIMUM LENGTH OF MSE WALL REINFORCING MUST BE 70% THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE WEST OF WALL. PROVIDE SOLID END CAP ON UNDERDRAIN AT EAST END OF WALL. DAYLIGHT UNDERDRAIN AT WEST END OF WALL. PROVIDE RODENT PROTECTION AT DISCHARGE END OF PIPE. SEE DETAIL ON THIS SHEET.

THE CONTRACTOR SHALL COORDINATE POST INSTALLATION WITH THE WALL DESIGNER AND WALL DETAILS.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH LRFD.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY ---------- f'_c = 3,500 P.S.I.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-71-24

DRAWN BY CPR | PLANS CK'D RFS

TYPICAL SECTION AND DESIGN PARAMETERS

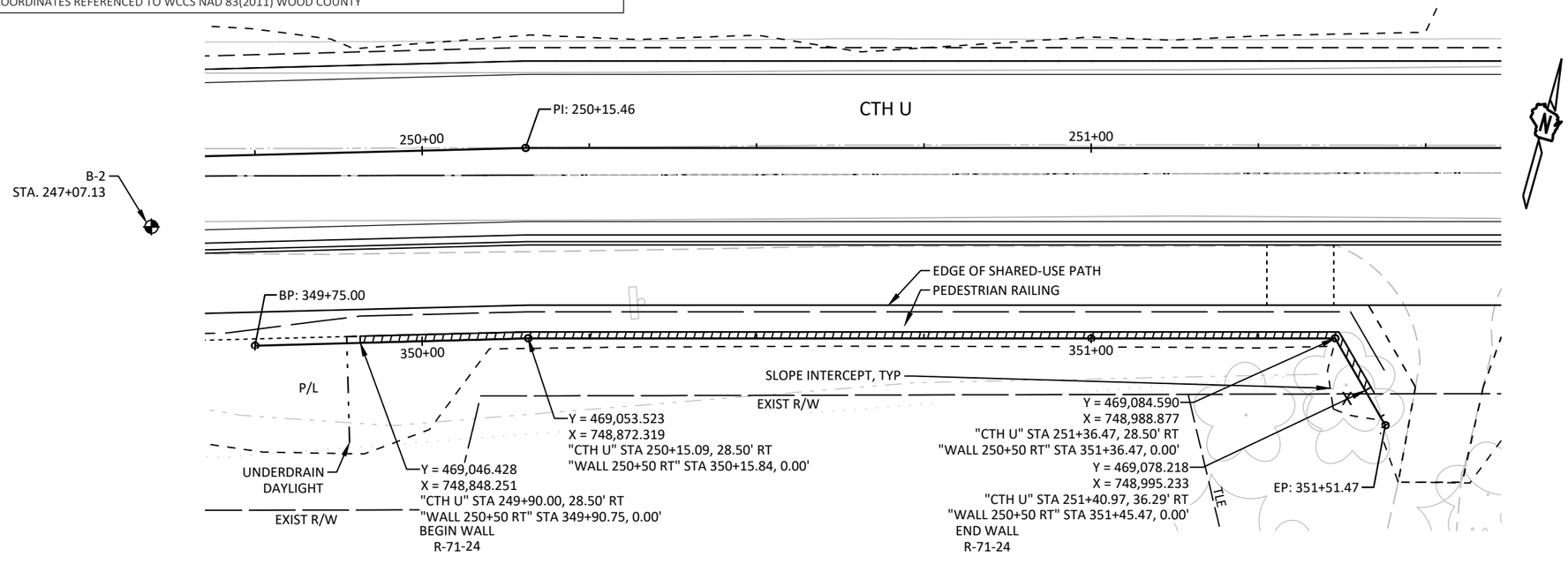
SHEET 2 OF 3

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-2	6/24/2021	468983.55	748571.88
BORINGS COMPLETED BY: GEOTECHNICAL DRILLING CONTRACTORS, INC. - 7404 BLUEBERRY COURT, WAUSAU, WI 54401			
REPORT COMPLETED BY: WESTWOOD - 1 SYSTEMS DRIVE, APPLETON, WI 54914			
ALL COORDINATES REFERENCED TO WCCS NAD 83(2011) WOOD COUNTY			





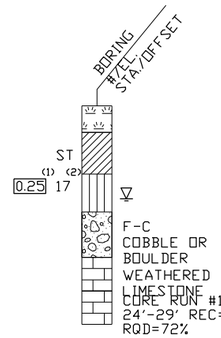
STATE PROJECT NUMBER

6934-06-73

MATERIAL SYMBOLS

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

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-71-24

DRAWN BY CPR | PLANS CK'D RFS

SUBSURFACE EXPLORATION

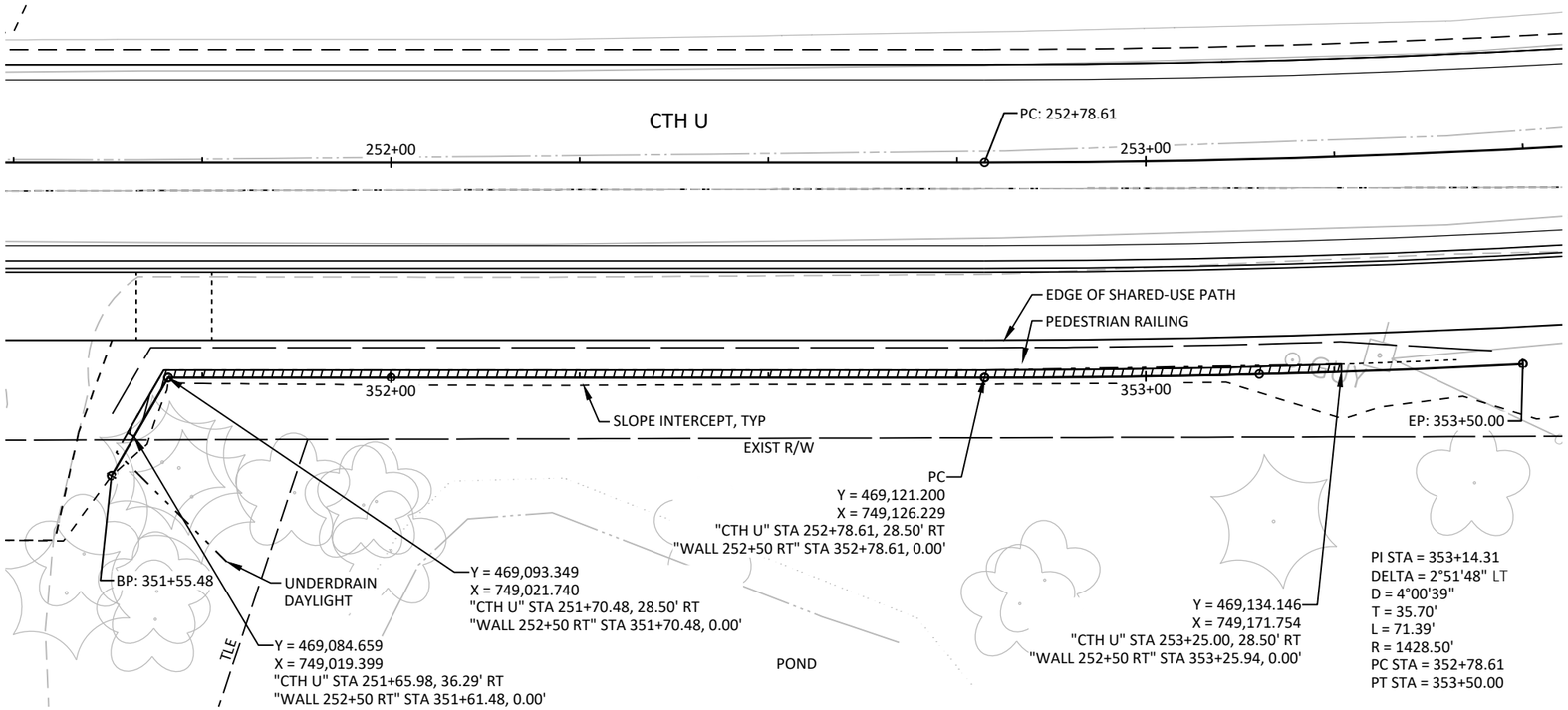
SHEET 3 OF 3
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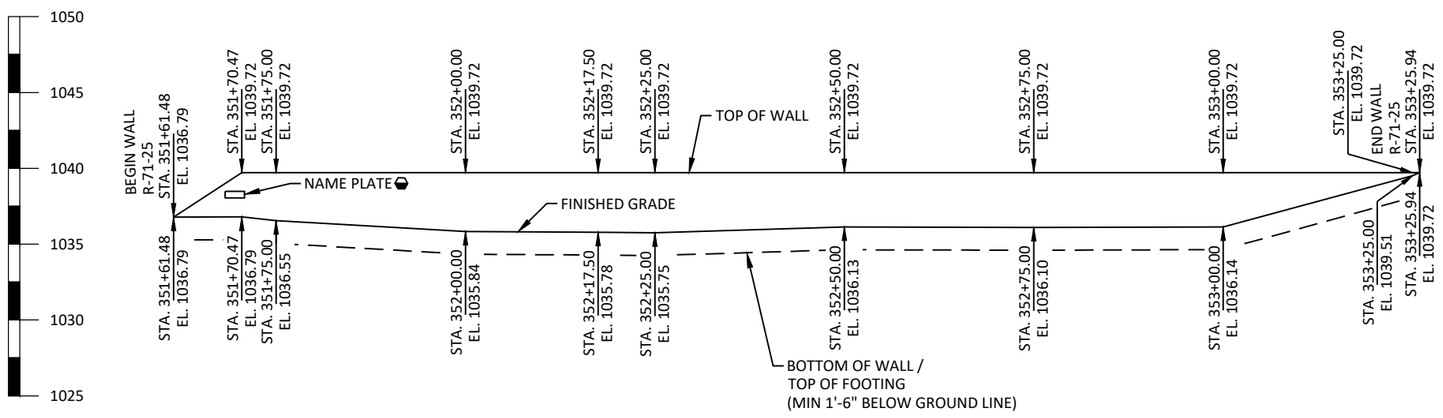
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STATE PROJECT NUMBER

6934-06-73



PLAN



ELEVATION
LOOKING AT F.F. OF WALL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	203
SPV.0165	WALL MODULAR BLOCK GRAVITY, R-71-25	SF	852

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

THE PLAN QUANTITY FOR THE BID ITEM WALL MODULAR BLOCK R-71-25 IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COLOR OF BLOCK SHALL BE GRAY, TUMBLED FINISH.

THE CONTRACTOR SHALL PROVIDE A COLOR SAMPLE TO THE ENGINEER FOR APPROVAL PRIOR TO BLOCK FABRICATION.

ONLY BLOCKS WITH A MAXIMUM HEIGHT OF 9" MAY BE USED FOR THIS STRUCTURE.

LOCATE NAME PLATE ON THE FRONT OF WALL APPROXIMATELY 3' TO 6' HIGH. CENTERED ON A NON CAP BLOCK OR AS DIRECTED BY THE FIELD ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY", R-71-25.

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THE DRAWING ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED GRADE SLOPED BEHIND THE WALL AS SHOWN.

DESIGN RETAINING WALLS FOR A LIVE LOAD SURCHARGE OF 100 PSF.

FOR THE PURPOSES OF COMPUTING LATERAL EARTH PRESSURES AGAINST UTILITIES AND STRUCTURES, ASSUMING TRIANGULAR LOAD DISTRIBUTION WITH GRANULAR BACKFILL, THE FOLLOWING SOIL PARAMETERS MAY BE USED:

γ = 115 pcf, φ = 30°, K_a = 0.33, K_p = 3.0

DESIGN DATA

BRIDGE OFFICE:
AARON BONK (608) 261-0261

CONSULTANT:
ROB SISTO (920) 830-6108

LIST OF DRAWINGS:

1. GENERAL PLAN
2. TYPICAL SECTION & DESIGN PARAMETERS
3. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

Westwood

ACCEPTED JLR 01/07/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-71-25

CTH U

COUNTY: WOOD — ~~TOWN/CITY/~~VILLAGE: BIRON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
RFS	CPR	CPR	RFS

GENERAL PLAN

SHEET 1 OF 3
333

I.D. #

DATE:

STATE PROJECT NUMBER

6934-06-73

SOIL PARAMETERS

STRATUM LOCATIONS AND SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR FILL	30	0	115
B-1, STA 257+88.43, 12.07' RT			
GLACIAL OUTWASH; (SAND, SOME GRAVEL, FINE TO MEDIUM GRAINED, DARK YELLOWISH BROWN, FIRM, MOIST) EL. 1038.59 TO EL. 1033.99 (EL. 98.6 TO EL. 94.0)	28	0	115

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	5.47
EXPOSED WALL HEIGHT (FEET)	3.97
MINIMUM WALL WIDTH (FEET)	3.75
BORING LOCATION USED	B-1
APPROXIMATE WALL STATION	STA. 352+25.00
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.01
ECCENTRICITY (CDR > 1.0)	3.03
OVERALL STABILITY (CDR > 1.0)	2.42
BEARING RESISTANCE (CDR > 1.0)	2.07
FACTORED BEARING RESISTANCE (PSF)	3,000

NOTES:
1. THE SAFETY FACTORS LISTED INCLUDE PEDESTRIAN LOADINGS. IF DURING CONSTRUCTION HEAVY EQUIPMENT IS OPERATED IN CLOSE PROXIMITY TO THE WALL, OF IF MATERIAL IS STOCKPILED NEAR THE WALL, THE SAFETY FACTORS LISTED DECREASE SIGNIFICANTLY.

2. FINAL DESIGN FOR INTERNAL STABILITY, EXTERNAL SLIDING AND ECCENTRICITY IS THE RESPONSIBILITY OF THE WALL DESIGNER.

3. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.

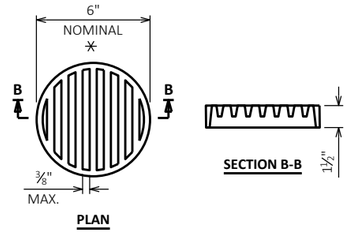
4. THE MAXIMUM BLOCK WIDTH WAS DETERMINED AS THE WIDTH THAT SATISFIES SLIDING RESISTANCE.

5. A FRICTION ANGLE OF 30 DEGREES WAS USED TO EVALUATE SLIDING RESISTANCE.

6. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEVATION	FINISHED GRADE ELEVATION
351+61.48	251+65.98	36.29' RT	1036.79	1036.79
351+70.47	251+70.47	28.50' RT	1039.72	1036.79
351+75.00	251+75.00	28.50' RT	1039.72	1036.55
352+00.00	252+00.00	28.50' RT	1039.72	1035.84
352+17.50	252+17.50	28.50' RT	1039.72	1035.78
352+25.00	252+25.00	28.50' RT	1039.72	1035.75
352+50.00	252+50.00	28.50' RT	1039.72	1036.13
352+75.00	252+75.00	28.50' RT	1039.72	1036.10
353+00.00	252+99.57	28.50' RT	1039.72	1036.14
353+25.00	253+24.07	28.50' RT	1039.72	1039.51
353+25.94	253+25.00	28.50' RT	1039.72	1039.72

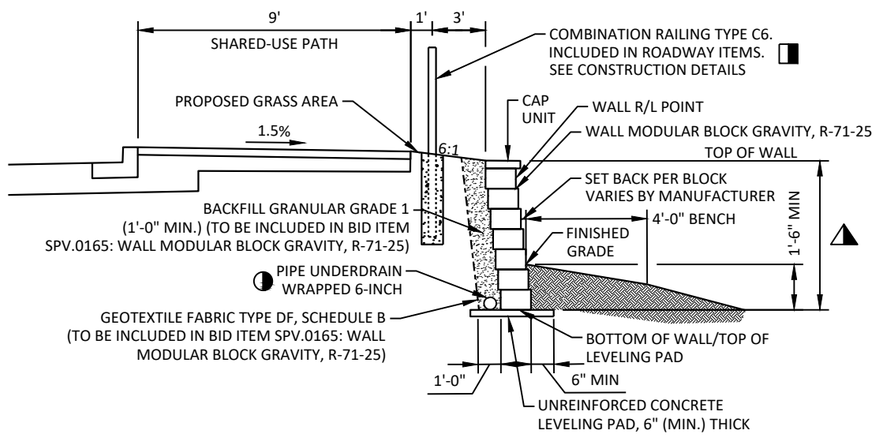


RODENT SHIELD DETAIL

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

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

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



TYPICAL CROSS SECTION OF WALL

STA 351+61.48 TO STA 353+25.94

LEGEND

◭ PAY LIMIT FOR BID ITEM "WALL MODULAR BLOCK GRAVITY, R-71-25

◑ PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. TO SUITABLE DRAINAGE

◨ THE CONTRACTOR SHALL COORDINATE POST INSTALLATION WITH THE WALL DESIGN AND WALL DETAILS.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY ---------- f'_c = 3,500 P.S.I.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-71-25

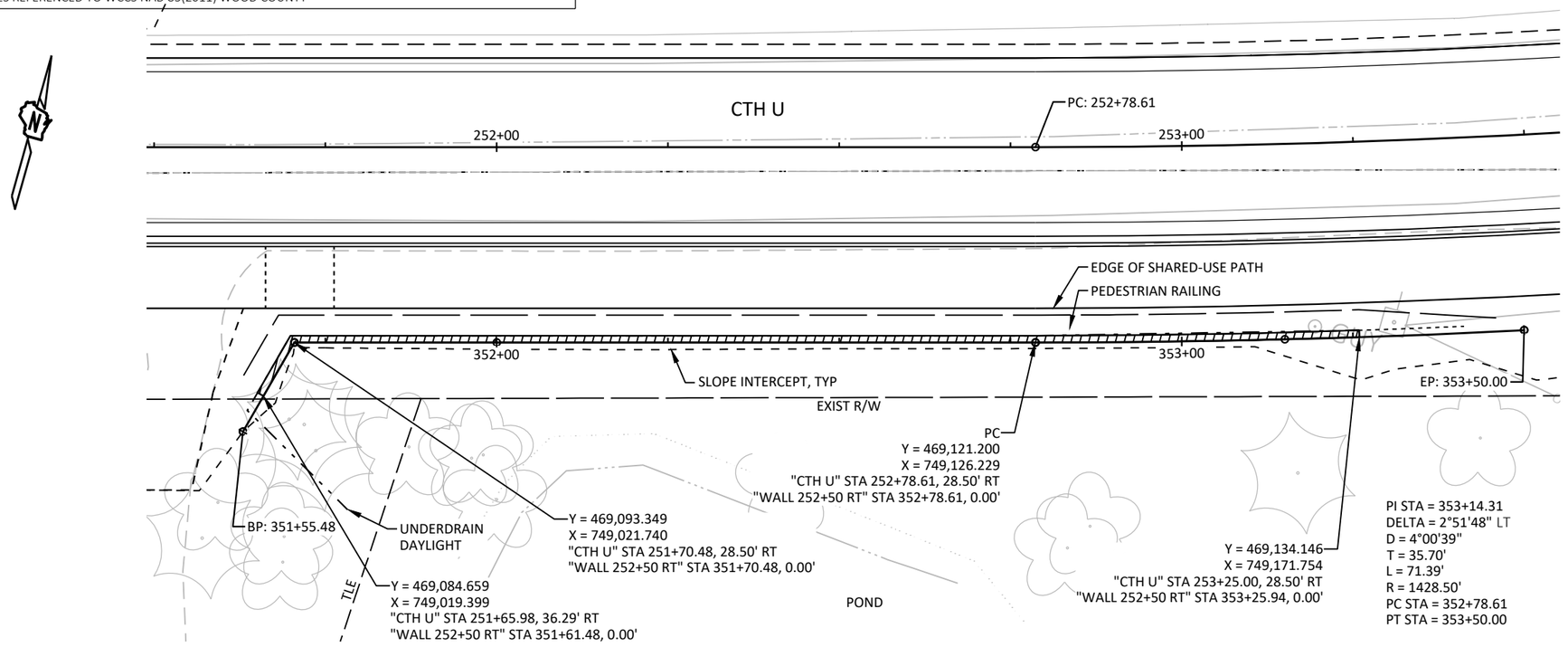
DRAWN BY CPR | PLANS CK'D RFS

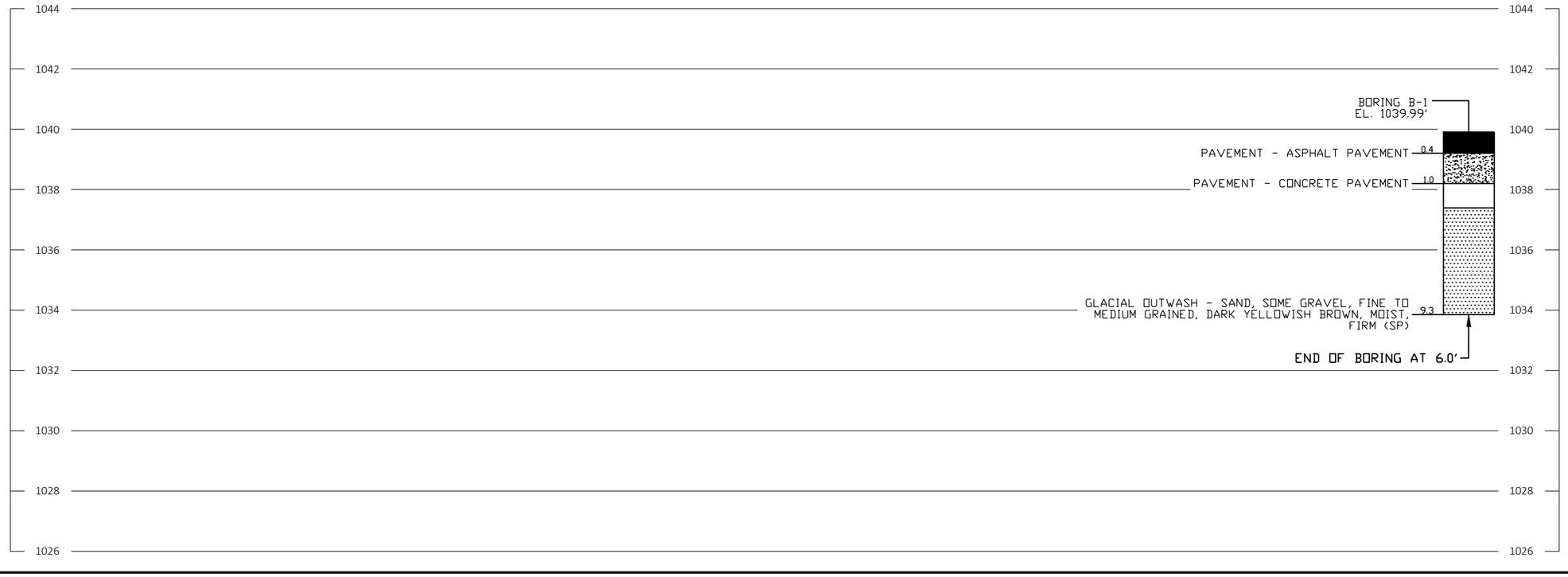
TYPICAL SECTION AND DESIGN PARAMETERS

SHEET 2 OF 3

334

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-1	6/24/2021	469356.08	749584.11
BORINGS COMPLETED BY: GEOTECHNICAL DRILLING CONTRACTORS, INC. - 7404 BLUEBERRY COURT, WAUSAU, WI 54401			
REPORT COMPLETED BY: WESTWOOD - 1 SYSTEMS DRIVE, APPLETON, WI 54914			
ALL COORDINATES REFERENCED TO WCCS NAD 83(2011) WOOD COUNTY			





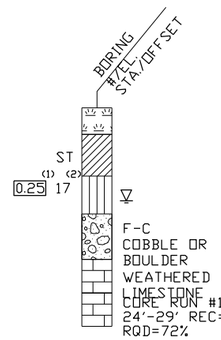
STATE PROJECT NUMBER

6934-06-73

MATERIAL SYMBOLS

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

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-71-25

DRAWN BY CPR | PLANS CK'D RFS

SUBSURFACE EXPLORATION

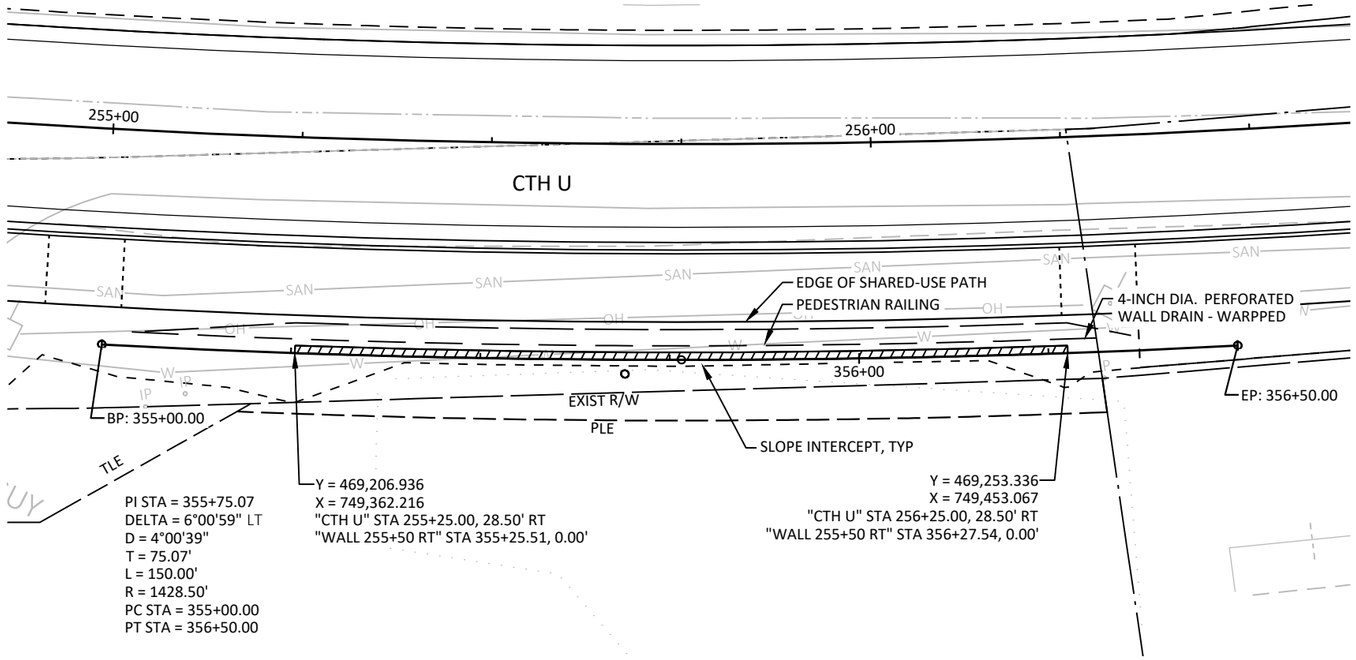
SHEET 3 OF 3
335

8

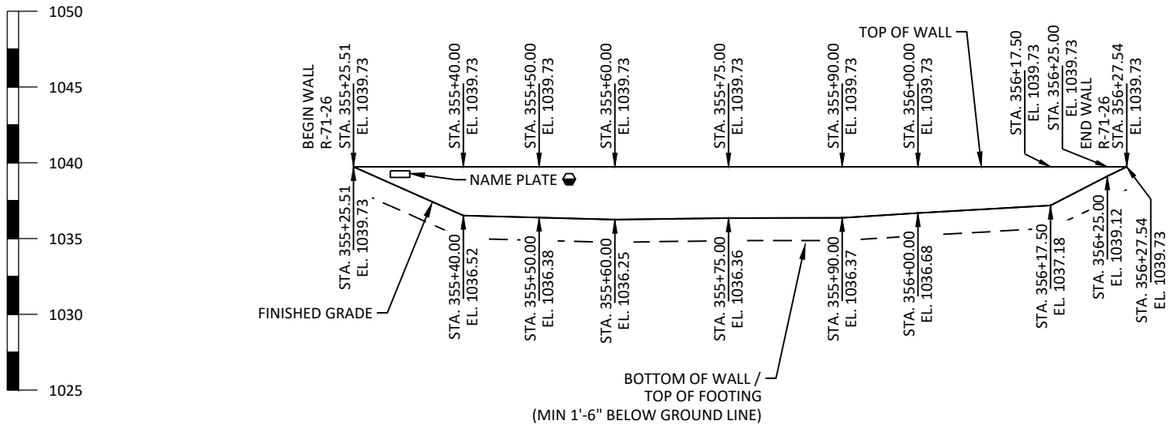
8

STATE PROJECT NUMBER

6934-06-73



PLAN



ELEVATION

LOOKING AT F.F. OF WALL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
SPV.0165	WALL MODULAR BLOCK GRAVITY, R-71-26	SF	483
SPV.0090	4-INCH DIA. PERFORATED WALL DRAIN - WRAPPED	LF	115

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

THE PLAN QUANTITY FOR THE BID ITEM WALL MODULAR BLOCK R-71-26 IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COLOR OF BLOCK SHALL BE GRAY, TUMBLED FINISH.

THE CONTRACTOR SHALL PROVIDE A COLOR SAMPLE TO THE ENGINEER FOR APPROVAL PRIOR TO BLOCK FABRICATION.

ONLY BLOCKS WITH A MAXIMUM HEIGHT OF 9" MAY BE USED FOR THIS STRUCTURE.

LOCATE NAME PLATE ON THE FRONT OF WALL APPROXIMATELY 3' TO 6' HIGH. CENTERED ON A NON CAP BLOCK OR AS DIRECTED BY THE FIELD ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY", R-71-26.

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THE DRAWING ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED GRADE SLOPED BEHIND THE WALL AS SHOWN.

DESIGN RETAINING WALLS FOR A LIVE LOAD SURCHARGE OF 100 PSF.

FOR THE PURPOSES OF COMPUTING LATERAL EARTH PRESSURES AGAINST UTILITIES AND STRUCTURES, ASSUMING TRIANGULAR LOAD DISTRIBUTION WITH GRANULAR BACKFILL, THE FOLLOWING SOIL PARAMETERS MAY BE USED:

$\gamma = 115$ pcf, $\varphi = 30°$, $K_a = 0.33$, $K_p = 3.0$

DESIGN DATA

BRIDGE OFFICE:
AARON BONK (608) 261-0261

CONSULTANT:
ROB SISTO (920) 830-6108

LIST OF DRAWINGS:

1. GENERAL PLAN
2. TYPICAL SECTION & DESIGN PARAMETERS
3. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

Westwood

ACCEPTED JLR 01/07/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-71-26

CTH U

COUNTY: WOOD — ~~TOWN/CITY/~~VILLAGE: BIRON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
RFS	CPR	CPR	RFS

GENERAL PLAN

SHEET 1 OF 3
336

I.D.

DATE:

8

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STATE PROJECT NUMBER

6934-06-73

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL	30	0	115
B-1, STA 1257+88.43, 12.07' RT			
GLACIAL OUTWASH; (SAND, SOME GRAVEL, FINE TO MEDIUM GRAINED, DARK YELLOWISH BROWN, MOIST, FIRM) EL. 1038.59 TO EL. 1033.99 (EL. 98.6 TO EL. 94.0)	28	0	115

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	4.98
EXPOSED WALL HEIGHT (FEET)	3.48
MINIMUM WALL WIDTH (FEET)	3.25
BORING LOCATION USED	B-1
APPROXIMATE WALL STATION	STA. 355+60.00
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING (CDR > 1.0)	1.01
ECCENTRICITY (CDR > 1.0)	1.76
OVERALL STABILITY (CDR > 1.0)	3.00
BEARING RESISTANCE (CDR > 1.0)	1.86
FACTORED BEARING RESISTANCE (PSF)	3,000

NOTES:
1. THE SAFETY FACTORS LISTED INCLUDE PEDESTRIAN LOADINGS. IF DURING CONSTRUCTION HEAVY EQUIPMENT IS OPERATED IN CLOSE PROXIMITY TO THE WALL, OF IF MATERIAL IS STOCKPILED NEAR THE WALL, THE SAFETY FACTORS LISTED DECREASE SIGNIFICANTLY.

2. FINAL DESIGN FOR INTERNAL STABILITY, EXTERNAL SLIDING AND ECCENTRICITY IS THE RESPONSIBILITY OF THE WALL DESIGNER.

3. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.

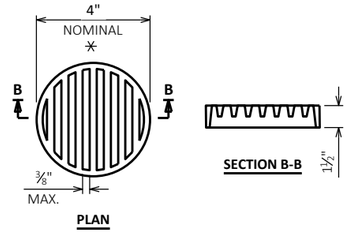
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6. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.

GEOMETRY TABLE

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355+25.51	255+25.00	28.50' RT	1039.73	1039.73
355+40.00	255+39.20	28.50' RT	1039.73	1036.52
355+50.00	255+49.00	28.50' RT	1039.73	1036.38
355+60.00	255+58.80	28.50' RT	1039.73	1036.25
355+75.00	255+73.50	28.50' RT	1039.73	1036.36
355+90.00	255+88.20	28.50' RT	1039.73	1036.37
356+00.00	255+98.00	28.50' RT	1039.73	1036.68
356+17.50	256+15.16	28.50' RT	1039.73	1037.18
356+25.00	256+22.51	28.50' RT	1039.73	1039.12
356+27.54	255+25.00	28.50' RT	1039.73	1039.73

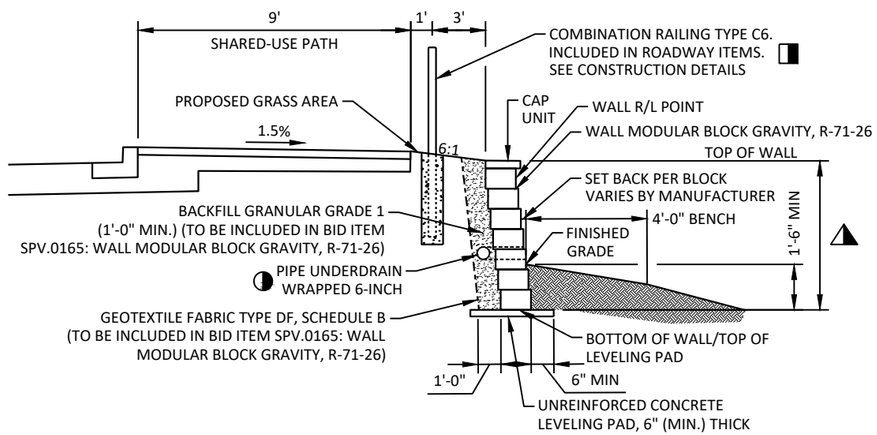


RODENT SHIELD DETAIL

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

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

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TYPICAL CROSS SECTION OF WALL

STA 355+25.51 TO STA 356+27.54

LEGEND

◭ PAY LIMIT FOR BID ITEM "WALL MODULAR BLOCK GRAVITY, R-71-26

◨ THE CONTRACTOR SHALL COORDINATE POST INSTALLATION WITH THE WALL DESIGN AND WALL DETAILS.

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY ---------- f'_c = 3,500 P.S.I.

*NOTE: 25'-0" MAXIMUM SPACING WITH RODENT SHIELD (COST INCIDENTAL TO WALL MODULAR BLOCK GRAVITY, R-71-26).

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-71-26

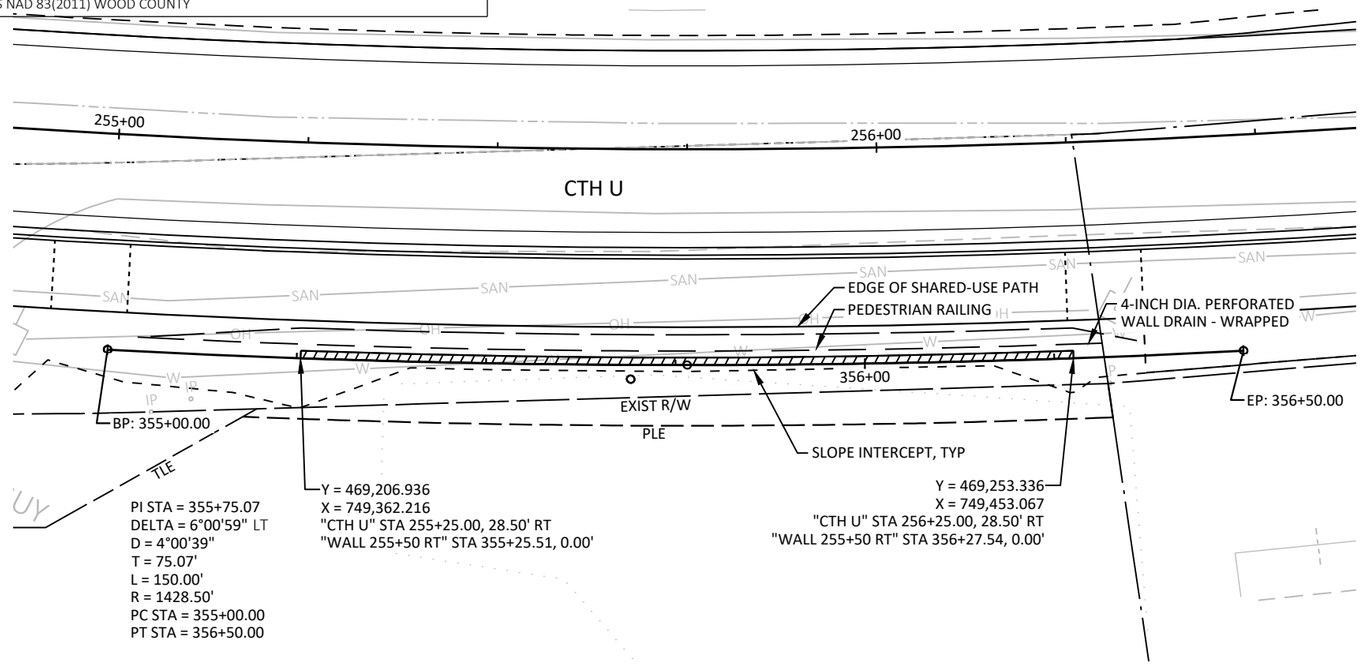
DRAWN BY CPR | PLANS CK'D RFS

TYPICAL SECTION AND DESIGN PARAMETERS

SHEET 2 OF 3

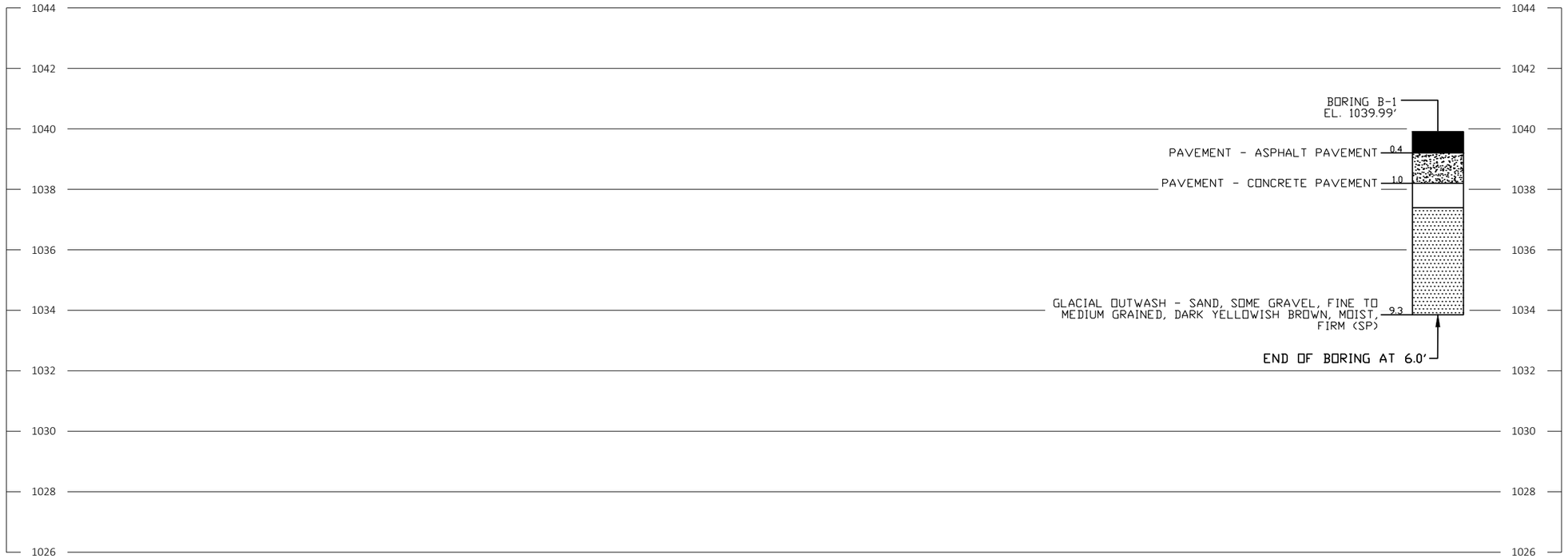
337

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B-1	6/24/2021	469356.08	749584.11
BORINGS COMPLETED BY: GEOTECHNICAL DRILLING CONTRACTORS, INC. - 7404 BLUEBERRY COURT, WAUSAU, WI 54401			
REPORT COMPLETED BY: WESTWOOD - 1 SYSTEMS DRIVE, APPLETON, WI 54914			
ALL COORDINATES REFERENCED TO WCCS NAD 83(2011) WOOD COUNTY			





B-1
STA. 257+88.43



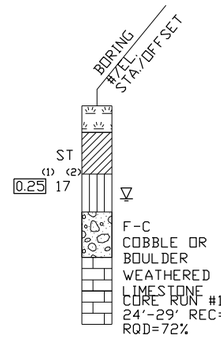
STATE PROJECT NUMBER

6934-06-73

MATERIAL SYMBOLS

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

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-71-26

DRAWN BY	CPR	PLANS CK'D	RFS

SUBSURFACE EXPLORATION

SHEET 3 OF 3
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EARTHWORK DETAIL - CTH U STAGE 1 - CATEGORY 0010

STATION	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)					MASS ORDINATE
													EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	
													EXPANSION FACTOR			
	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	1.25 NOTE 3	1.50 NOTE 4	1.25 NOTE 5	NOTE 6
150+30	36.77	20.94	10.64	0.00	2.06	0	0	0	0	0	0	0	0	0	0	0
150+50	59.84	21.56	13.39	0.00	1.44	36	16	9	0	1	36	16	11	0	1	8
150+88	58.63	22.91	6.28	0.00	0.09	82	31	14	0	1	118	47	29	0	3	40
151+00	42.15	23.00	11.03	0.00	0.00	23	11	4	0	0	141	58	34	0	3	47
151+50	43.79	23.00	15.87	0.00	0.00	80	43	25	0	0	221	101	65	0	3	53
152+00	44.57	22.85	20.24	0.00	0.15	82	42	33	0	0	303	143	106	0	3	51
152+50	36.20	22.99	40.85	0.00	0.01	75	42	57	0	0	378	185	178	0	3	13
153+00	34.01	20.14	71.31	0.00	2.86	65	40	104	0	3	443	225	308	0	6	-96
153+50	35.25	22.54	35.91	0.00	0.46	64	40	99	0	3	507	265	431	0	10	-199
154+00	32.65	21.41	27.73	0.00	1.59	63	41	59	0	2	570	306	505	0	13	-254
154+50	38.97	21.64	5.93	0.00	1.36	66	40	31	0	3	636	346	544	0	16	-270
155+00	36.00	22.65	30.75	0.00	0.35	69	41	34	0	2	705	387	586	0	19	-287
155+50	35.13	22.15	20.58	0.00	0.78	66	41	48	0	1	771	428	646	0	20	-323
156+00	36.06	19.66	4.12	0.00	2.44	66	39	23	0	3	837	467	675	0	24	-329
156+50	48.08	21.22	0.69	0.00	2.11	78	38	4	0	4	915	505	680	0	29	-299
157+00	41.32	23.22	10.32	0.00	0.33	83	41	10	0	2	998	546	693	0	31	-272
157+50	49.04	23.00	8.02	0.00	0.00	84	43	17	0	0	1,082	589	714	0	31	-252
158+00	54.07	23.00	0.40	0.00	0.00	95	43	8	0	0	1,177	632	724	0	31	-210
158+50	57.36	23.00	1.05	0.00	0.00	103	43	1	0	0	1,280	675	725	0	31	-151
158+88	69.63	23.00	0.97	0.00	0.00	88	32	1	0	0	1,368	707	726	0	31	-97
159+00	68.56	23.00	0.64	0.00	0.00	32	11	0	0	0	1,400	718	726	0	31	-76
159+50	60.37	23.00	3.94	0.00	0.00	119	43	4	0	0	1,519	761	731	0	31	-5
159+75	68.35	23.00	45.02	0.00	0.00	60	21	23	0	0	1,579	782	760	0	31	6
160+00	52.77	23.00	3.42	0.00	0.00	56	21	22	0	0	1,635	803	788	0	31	13
160+50	62.93	22.99	0.34	0.00	0.00	107	43	3	0	0	1,742	846	791	0	31	74
160+75	65.17	22.71	4.45	0.00	0.00	59	21	2	0	0	1,801	867	794	0	31	109
161+00	68.84	22.45	1.86	0.00	0.00	62	21	3	0	0	1,863	888	798	0	31	146
161+50	85.57	23.47	0.21	0.00	0.00	143	43	2	0	0	2,006	931	800	0	31	244
162+00	82.34	22.44	2.10	0.00	0.00	155	43	2	0	0	2,161	974	803	0	31	353
162+50	70.00	27.50	1.04	0.00	0.00	141	46	3	0	0	2,302	1,020	806	0	31	445
163+00	58.78	27.47	0.99	0.00	0.03	119	51	2	0	0	2,421	1,071	809	0	31	510
163+25	64.78	27.50	0.00	0.00	0.00	57	25	0	0	0	2,478	1,096	809	0	31	542
163+50	62.18	27.50	0.09	0.00	0.00	59	25	0	0	0	2,537	1,121	809	0	31	576
164+00	57.01	34.46	0.66	0.00	0.00	110	57	1	0	0	2,647	1,178	810	0	31	628
164+50	54.61	34.44	0.00	0.00	0.02	103	64	1	0	0	2,750	1,242	811	0	31	666
165+00	55.14	34.40	0.03	0.00	0.07	102	64	0	0	0	2,852	1,306	811	0	31	704
165+50	92.68	34.47	0.00	0.00	0.00	137	64	0	0	0	2,989	1,370	811	0	31	777
166+00	58.04	34.47	0.35	0.00	0.00	140	64	0	0	0	3,129	1,434	811	0	31	853
166+50	49.27	32.68	0.73	0.00	1.80	99	62	1	0	2	3,228	1,496	813	0	34	886
167+00	39.48	26.23	1.43	0.00	8.25	82	55	2	0	9	3,310	1,551	815	0	45	899

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 1 - CATEGORY 0010 - CONTINUED

STATION	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)					
													EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	MASS ORDINATE
													EXPANSION FACTOR			
													1.25	1.50	1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
167+50	29.66	19.29	3.10	0.00	15.20	64	42	4	0	22	3,374	1,593	820	0	73	889
168+00	35.81	22.76	2.31	0.00	11.73	61	39	5	0	25	3,435	1,632	826	0	104	873
168+50	40.50	26.17	1.81	0.00	8.32	71	45	4	0	19	3,506	1,677	831	0	128	870
169+00	49.14	28.62	0.89	0.00	5.88	83	51	3	0	13	3,589	1,728	835	0	144	882
169+50	44.80	25.40	0.43	0.00	9.13	87	50	1	0	14	3,676	1,778	836	0	161	901
169+63	50.19	24.10	0.00	0.00	10.34	22	11	0	0	5	3,698	1,789	836	0	168	905
170+00	33.29	18.68	4.04	0.00	16.92	58	30	3	0	19	3,756	1,819	840	0	191	906
170+25	43.78	13.48	0.00	0.00	19.75	36	15	2	0	17	3,792	1,834	843	0	213	903
170+50	27.38	16.19	2.79	0.00	16.83	33	14	1	0	17	3,825	1,848	844	0	234	900
171+00	36.49	26.72	2.82	0.00	6.28	59	40	5	0	21	3,884	1,888	850	0	260	886

EARTHWORK DETAIL - SWALE STAGE 1 - CATEGORY 0010

STATION	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)					
													EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	MASS ORDINATE
													EXPANSION FACTOR			
													1.25	1.50	1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
175+50	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
175+75	38.00	0.00	0.00	0.00	0.00	18	0	0	0	0	18	0	0	0	0	18
176+00	184.00	0.00	0.00	0.00	0.00	103	0	0	0	0	121	0	0	0	0	121
176+50	179.00	0.00	0.00	0.00	0.00	336	0	0	0	0	457	0	0	0	0	457
177+00	177.00	0.00	0.00	0.00	0.00	330	0	0	0	0	787	0	0	0	0	787
177+50	172.00	0.00	0.00	0.00	0.00	323	0	0	0	0	1,110	0	0	0	0	1,110
178+00	176.00	0.00	0.00	0.00	0.00	322	0	0	0	0	1,432	0	0	0	0	1,432
178+50	203.00	0.00	0.00	0.00	0.00	351	0	0	0	0	1,783	0	0	0	0	1,783
178+85	195.00	0.00	0.00	0.00	0.00	258	0	0	0	0	2,041	0	0	0	0	2,041
179+00	59.00	0.00	0.00	0.00	0.00	71	0	0	0	0	2,112	0	0	0	0	2,112
179+25	0.00	0.00	0.00	0.00	0.00	27	0	0	0	0	2,139	0	0	0	0	2,139

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 2 - CATEGORY 0010

STATION	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)						MASS ORDINATE
															EXPANDED FILL / BACKFILL				
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	EBS	
															EXPANSION FACTOR				
	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5		NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5		NOTE 1	NOTE 2	1.25 NOTE 3	1.50 NOTE 4	1.25 NOTE 5	1.25 NOTE 7	NOTE 6
171+00	36.49	26.72	2.82	0.00	6.28	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0
171+50	51.13	32.81	0.31	0.00	0.19	0.00	81	55	3	0	6	0	81	55	4	0	8	0	15
172+00	60.05	33.00	0.01	0.00	0.00	0.00	103	61	0	0	0	0	184	116	4	0	8	0	57
172+50	53.84	32.72	2.61	0.00	0.28	0.00	105	61	2	0	0	0	289	177	6	0	8	0	98
173+00	48.55	32.00	2.23	0.00	1.00	0.00	95	60	4	0	1	0	384	237	11	0	9	0	127
173+50	43.21	28.41	0.25	0.00	4.59	0.00	85	56	2	0	5	0	469	293	14	0	15	0	147
174+00	44.55	28.95	2.31	0.00	4.05	0.00	81	53	2	0	8	0	550	346	16	0	25	0	163
174+50	44.71	29.48	2.20	0.00	3.52	127.45	83	54	4	0	7	118	633	400	21	0	34	148	31
175+00	53.62	28.69	3.05	0.00	4.29	178.63	91	54	5	0	7	283	724	454	28	0	43	501	-301
175+50	47.55	31.80	0.28	0.00	1.15	129.13	94	56	3	0	5	285	818	510	31	0	49	858	-630
175+75	57.08	31.89	0.00	0.00	1.05	111.41	48	29	0	0	1	111	866	539	31	0	50	996	-751
176+00	62.50	31.20	0.00	0.00	0.00	110.01	55	29	0	0	0	103	921	568	31	0	50	1,125	-853
176+50	70.85	31.24	0.00	0.00	0.00	101.94	123	58	0	0	0	196	1,044	626	31	0	50	1,370	-1,033
177+00	61.75	31.28	0.00	0.00	0.00	114.26	123	58	0	0	0	200	1,167	684	31	0	50	1,620	-1,218
177+50	81.03	31.31	0.00	0.00	0.00	114.35	132	58	0	0	0	212	1,299	742	31	0	50	1,885	-1,409
178+00	64.08	31.35	0.00	0.00	0.00	110.35	134	58	0	0	0	208	1,433	800	31	0	50	2,145	-1,593
178+50	65.71	31.38	0.00	0.00	0.00	110.44	120	58	0	0	0	204	1,553	858	31	0	50	2,400	-1,786
178+85	61.14	31.41	0.23	0.00	0.00	110.50	82	41	0	0	0	143	1,635	899	31	0	50	2,579	-1,924
179+00	68.09	31.42	0.00	0.00	0.00	123.32	36	17	0	0	0	65	1,671	916	31	0	50	2,660	-1,986
179+25	77.65	31.43	0.00	0.00	0.00	155.08	67	29	0	0	0	129	1,738	945	31	0	50	2,821	-2,110
179+50	67.22	31.15	0.00	0.00	0.00	126.79	67	29	0	0	0	130	1,805	974	31	0	50	2,984	-2,234
180+00	61.59	26.84	0.20	0.00	0.00	110.69	119	54	0	0	0	220	1,924	1,028	31	0	50	3,259	-2,444
180+50	71.88	26.86	0.29	0.00	0.00	0.00	124	50	0	0	0	102	2,048	1,078	31	0	50	3,386	-2,498
181+00	76.90	26.89	0.15	0.00	0.00	0.00	138	50	0	0	0	0	2,186	1,128	31	0	50	3,386	-2,410
181+50	87.68	26.92	0.00	0.00	0.00	0.00	152	50	0	0	0	0	2,338	1,178	31	0	50	3,386	-2,308
182+00	88.68	26.95	0.00	0.00	0.00	0.00	163	50	0	0	0	0	2,501	1,228	31	0	50	3,386	-2,195
182+50	74.78	27.05	0.80	0.00	0.00	0.00	151	50	1	0	0	0	2,652	1,278	33	0	50	3,386	-2,095
183+00	62.16	27.14	3.04	0.00	0.00	0.00	127	50	4	0	0	0	2,779	1,328	38	0	50	3,386	-2,023
183+50	77.73	25.44	0.06	0.00	1.31	0.00	130	49	3	0	1	0	2,909	1,377	41	0	51	3,386	-1,947
184+00	50.34	20.28	6.10	0.00	4.37	0.00	119	42	6	0	5	0	3,028	1,419	49	0	58	3,386	-1,884
184+50	41.30	16.50	10.12	0.00	7.01	0.00	85	34	15	0	11	0	3,113	1,453	68	0	71	3,386	-1,865
185+00	33.52	14.95	13.18	0.00	6.04	0.00	69	29	22	0	12	0	3,182	1,482	95	0	86	3,386	-1,868
185+50	27.96	15.03	15.47	0.00	5.61	0.00	57	28	27	0	11	0	3,239	1,510	129	0	100	3,386	-1,886
186+00	25.76	14.61	26.43	0.00	5.92	0.00	50	27	39	0	11	0	3,289	1,537	178	0	114	3,386	-1,926
186+50	24.74	14.39	16.40	0.00	6.16	0.00	47	27	40	0	11	0	3,336	1,564	228	0	128	3,386	-1,969
187+00	23.06	13.89	13.82	0.00	6.86	0.00	44	26	28	0	12	0	3,380	1,590	263	0	143	3,386	-2,001
187+50	19.57	13.27	20.36	0.00	6.85	0.00	39	25	32	0	13	0	3,419	1,615	303	0	159	3,386	-2,044
188+00	17.23	12.63	32.15	0.00	8.14	0.00	34	24	49	0	14	0	3,453	1,639	364	0	176	3,386	-2,112
188+50	15.69	12.46	29.22	0.00	8.52	0.00	30	23	57	0	15	0	3,483	1,662	435	0	195	3,386	-2,195
189+00	21.87	13.03	19.64	0.00	8.05	0.00	35	24	45	0	15	0	3,518	1,686	491	0	214	3,386	-2,259

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 2 - CATEGORY 0010 - CONTINUED

STATION	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)						MASS ORDINATE
															EXPANDED FILL / BACKFILL				
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	CONC PAVT REMOVAL BEYOND SUBGRADE	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	EBS	
															EXPANSION FACTOR				
	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 7	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 7	NOTE 1	NOTE 2	1.25 NOTE 3	1.50 NOTE 4	1.25 NOTE 5	1.25 NOTE 7	NOTE 6
189+50	57.32	13.70	0.00	0.00	7.48	0.00	73	25	18	0	14	0	3,591	1,711	514	0	231	3,386	-2,251
190+00	36.26	14.78	7.57	0.00	6.59	0.00	87	26	7	0	13	0	3,678	1,737	523	0	248	3,386	-2,215
190+50	48.44	15.67	0.96	0.00	5.59	0.00	78	28	8	0	11	0	3,756	1,765	533	0	261	3,386	-2,189
191+00	35.93	15.14	3.70	0.00	6.49	0.00	78	29	4	0	11	0	3,834	1,794	538	0	275	3,386	-2,159
191+50	29.47	14.79	11.56	0.00	7.07	0.00	61	28	14	0	13	0	3,895	1,822	555	0	291	3,386	-2,160
192+00	27.37	14.60	19.98	0.00	7.36	0.00	53	27	29	0	13	0	3,948	1,849	591	0	308	3,386	-2,186
192+50	24.74	14.06	16.40	0.00	7.42	0.00	48	27	34	0	14	0	3,996	1,876	634	0	325	3,386	-2,225
193+00	32.08	16.83	35.75	0.00	5.87	0.00	53	29	48	0	12	0	4,049	1,905	694	0	340	3,386	-2,276
193+50	35.67	17.74	34.49	0.00	3.58	0.00	63	32	65	0	9	0	4,112	1,937	775	0	351	3,386	-2,338
194+00	37.94	18.87	29.84	0.00	3.15	0.00	68	34	60	0	6	0	4,180	1,971	850	0	359	3,386	-2,386
194+50	32.82	18.37	17.63	0.00	4.31	0.00	66	34	44	0	7	0	4,246	2,005	905	0	368	3,386	-2,418
195+00	35.83	17.06	32.02	0.00	4.95	0.00	64	33	46	0	9	0	4,310	2,038	963	0	379	3,386	-2,456
195+50	57.07	22.01	0.04	0.00	0.00	0.00	86	36	30	0	5	0	4,396	2,074	1,000	0	385	3,386	-2,449

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 3 - CATEGORY 0010

STATION	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)					MASS ORDINATE
															EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	
															EXPANSION FACTOR			
	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 8	NOTE 5	NOTE 1	NOTE 2	NOTE 9	NOTE 4	NOTE 8	NOTE 5	NOTE 1	NOTE 2	1.25 NOTE 9	1.50 NOTE 4	1.25 NOTE 5	NOTE 6
195+50	51.32	22.01	0.11	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0
195+75	54.80	22.01	0.00	0.00	0.00	0.00	49	20	0	0	0	0	49	20	0	0	0	29
196+00	45.69	22.01	0.09	0.00	0.00	0.00	47	20	0	0	0	0	96	40	0	0	0	56
196+50	37.25	21.74	0.88	0.00	0.00	0.26	77	41	1	0	0	0	173	81	1	0	0	91
197+00	31.92	20.55	0.86	0.00	0.00	1.45	64	39	2	0	0	2	237	120	4	0	3	111
197+50	29.07	20.26	1.54	0.00	0.00	1.74	56	38	2	0	0	3	293	158	6	0	6	123
198+00	26.53	19.95	16.05	19.00	13.00	2.05	51	37	4	18	12	4	344	195	11	27	11	100
198+50	20.49	16.73	5.50	13.00	2.00	5.27	44	34	6	30	14	7	388	229	19	72	20	48
199+00	18.44	15.05	23.67	18.00	12.00	6.95	36	29	14	29	13	11	424	258	36	116	34	-20
199+50	17.64	13.37	2.09	0.00	0.00	8.63	33	26	13	17	11	14	457	284	53	141	51	-72
200+00	22.55	16.21	3.29	0.00	0.00	5.79	37	27	5	0	0	13	494	311	59	141	68	-84
200+50	25.54	18.17	1.44	0.00	0.00	3.83	45	32	4	0	0	9	539	343	64	141	79	-88
201+00	22.94	18.90	37.77	12.00	12.00	3.10	45	34	25	11	11	6	584	377	95	158	86	-132
201+50	22.22	18.06	24.46	11.00	8.00	3.94	42	34	39	21	19	7	626	411	144	189	95	-213
202+00	26.82	19.50	1.83	0.00	0.00	2.50	45	35	17	10	7	6	671	446	165	204	103	-247
202+50	25.48	19.15	8.17	0.00	0.00	2.85	48	36	9	0	0	5	719	482	176	204	109	-252
203+00	27.41	19.49	1.60	0.00	0.00	2.51	49	36	9	0	0	5	768	518	188	204	115	-257
203+50	30.20	20.56	1.71	0.00	0.00	1.44	53	37	3	0	0	4	821	555	191	204	120	-249
204+00	24.27	18.71	12.45	0.00	0.00	3.29	50	36	13	0	0	4	871	591	208	204	125	-257
204+50	20.82	16.68	6.97	0.00	0.00	5.32	42	33	18	0	0	8	913	624	230	204	135	-280
205+00	19.25	15.83	20.94	12.00	7.00	6.17	37	30	20	11	6	11	950	654	255	221	149	-328
205+50	17.73	14.99	68.86	13.00	15.00	7.01	34	29	63	23	20	12	984	683	334	255	164	-452
206+00	18.79	15.95	81.14	5.00	20.00	6.05	34	29	107	17	32	12	1,018	712	468	281	179	-621
206+50	19.05	16.14	99.37	4.00	20.00	5.86	35	30	130	8	37	11	1,053	742	630	293	193	-804
207+00	18.55	13.82	2.68	0.00	0.00	8.18	35	28	75	4	19	13	1,088	770	724	299	209	-913
207+50	20.34	14.56	1.42	0.00	0.00	7.44	36	26	4	0	0	14	1,124	796	729	299	226	-926
208+00	21.63	15.68	1.94	0.00	0.00	6.32	39	28	3	0	0	13	1,163	824	733	299	243	-935
208+50	21.85	16.37	6.16	0.00	0.00	5.63	40	30	7	0	0	11	1,203	854	741	299	256	-947
209+00	23.31	15.63	0.18	0.00	0.00	6.37	42	30	6	0	0	11	1,245	884	749	299	270	-956
209+50	21.65	17.13	113.31	0.00	0.00	4.87	42	30	105	0	0	10	1,287	914	880	299	283	-1,088
210+00	18.79	15.96	20.69	0.00	1.00	6.04	37	31	123	0	1	10	1,324	945	1,034	299	295	-1,248
210+50	17.54	15.17	38.26	0.00	8.00	6.83	34	29	47	0	8	12	1,358	974	1,093	299	310	-1,317
211+00	17.90	15.48	7.85	0.00	0.00	6.52	33	28	36	0	7	12	1,391	1,002	1,138	299	325	-1,372
211+50	15.63	13.53	7.90	0.00	0.00	8.47	31	27	15	0	0	14	1,422	1,029	1,156	299	343	-1,404
212+00	14.92	13.03	27.05	0.00	3.00	8.97	28	25	29	0	3	16	1,450	1,054	1,193	299	363	-1,458
212+50	14.91	13.09	24.28	0.00	2.00	8.91	28	24	43	0	5	17	1,478	1,078	1,246	299	384	-1,529
213+00	15.46	13.24	9.03	0.00	0.00	8.76	28	24	29	0	2	16	1,506	1,102	1,283	299	404	-1,581
213+50	16.04	13.72	26.09	0.00	1.00	8.28	29	25	32	0	1	16	1,535	1,127	1,323	299	424	-1,637
214+00	18.22	15.69	100.85	0.00	25.00	6.31	32	27	94	0	24	14	1,567	1,154	1,440	299	441	-1,767
214+50	19.24	16.17	86.76	5.00	23.00	5.83	35	30	130	5	44	11	1,602	1,184	1,603	306	455	-1,946

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 3 - CATEGORY 0010 - CONTINUED

STATION	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)					MASS ORDINATE
															EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	
															EXPANSION FACTOR			
	NOTE 1	NOTE 2	NOTE 3	NOTE 4		NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4		NOTE 5	NOTE 1	NOTE 2	1.25 NOTE 3	1.50 NOTE 4	1.25 NOTE 5	NOTE 6
215+00	20.95	17.34	71.01	9.00	21.00	4.66	37	31	105	13	41	10	1,639	1,215	1,734	326	468	-2,103
215+50	21.31	17.47	64.74	10.00	20.00	4.53	39	32	88	18	38	9	1,678	1,247	1,844	353	479	-2,244
216+00	22.69	18.03	68.19	9.00	20.00	3.97	41	33	86	18	37	8	1,719	1,280	1,951	380	489	-2,381
216+50	20.58	17.24	66.31	9.00	20.00	4.76	40	33	88	17	37	8	1,759	1,313	2,061	405	499	-2,519
217+00	24.65	19.47	64.54	9.00	20.00	2.53	42	34	84	17	37	7	1,801	1,347	2,166	431	508	-2,650
217+50	24.04	18.67	64.73	10.00	20.00	3.33	45	35	83	18	37	5	1,846	1,382	2,270	458	514	-2,777
218+00	22.15	16.31	35.54	0.00	9.00	5.69	43	32	66	9	27	8	1,889	1,414	2,353	471	524	-2,872
218+25	29.31	13.54	0.11	0.00	0.00	8.44	24	14	13	0	4	7	1,913	1,428	2,369	471	533	-2,887
218+50	16.50	12.12	54.80	0.00	21.00	9.70	21	12	15	0	10	8	1,934	1,440	2,388	471	543	-2,907
219+00	16.48	11.61	84.16	0.00	31.00	9.90	31	22	81	0	48	18	1,965	1,462	2,489	471	565	-3,022
219+50	13.26	9.52	96.45	0.00	31.00	12.60	28	20	110	0	57	21	1,993	1,482	2,626	471	591	-3,178
220+00	8.68	5.57	82.44	0.00	29.00	16.64	20	14	110	0	56	27	2,013	1,496	2,764	471	625	-3,343
220+50	4.89	2.95	34.71	0.00	18.00	18.34	13	8	64	0	44	32	2,026	1,504	2,844	471	665	-3,458
221+00	4.63	3.53	98.87	0.00	32.00	18.82	9	6	78	0	46	34	2,035	1,510	2,941	471	708	-3,595
221+50	4.37	2.60	127.01	0.00	30.00	19.50	8	6	152	0	57	35	2,043	1,516	3,131	471	751	-3,827
222+00	5.43	3.60	122.46	0.00	31.00	17.90	9	6	175	0	56	35	2,052	1,522	3,350	471	795	-4,086
222+50	6.60	4.95	107.55	0.00	29.00	17.67	11	8	157	0	56	33	2,063	1,530	3,546	471	836	-4,321
223+00	11.13	8.24	59.47	0.00	23.00	14.08	16	12	107	0	48	29	2,079	1,542	3,680	471	873	-4,487
223+42	28.78	11.80	0.60	0.00	0.00	10.28	31	15	28	0	18	19	2,110	1,557	3,715	471	896	-4,529
223+50	28.59	12.99	0.37	0.00	0.00	9.04	9	4	0	0	0	3	2,119	1,561	3,715	471	900	-4,528
224+00	25.62	18.56	2.06	0.00	0.00	3.44	50	29	2	0	0	12	2,169	1,590	3,718	471	915	-4,525
224+50	37.82	21.00	0.21	0.00	0.00	1.00	59	37	2	0	0	4	2,228	1,627	3,720	471	920	-4,510
225+00	27.08	20.68	52.64	51.00	16.00	1.32	60	39	34	47	15	2	2,288	1,666	3,763	542	923	-4,605
225+50	23.46	18.88	88.68	33.00	23.00	3.12	47	37	95	78	36	4	2,335	1,703	3,881	659	928	-4,835
226+00	21.65	16.46	83.60	46.00	28.00	5.54	42	33	113	73	47	8	2,377	1,736	4,023	768	938	-5,087
226+50	23.01	16.96	62.51	57.00	27.00	5.04	41	31	84	95	51	10	2,418	1,767	4,128	911	950	-5,337
227+00	19.69	14.76	68.08	53.00	26.00	7.24	40	29	72	102	49	11	2,458	1,796	4,218	1,064	964	-5,583
227+50	13.55	10.94	78.46	52.00	26.00	11.06	31	24	88	97	48	17	2,489	1,820	4,328	1,209	985	-5,853
228+00	13.08	10.94	94.61	52.00	28.00	11.06	25	20	110	96	50	20	2,514	1,840	4,465	1,353	1,010	-6,154
228+50	18.75	15.04	106.22	52.00	30.00	7.34	29	24	132	96	54	17	2,543	1,864	4,630	1,497	1,031	-6,479
229+00	24.13	19.66	89.35	62.00	27.00	3.26	40	32	128	106	53	10	2,583	1,896	4,790	1,656	1,044	-6,803
229+50	26.86	20.45	71.74	0.00	20.00	1.19	47	37	105	57	44	4	2,630	1,933	4,921	1,742	1,049	-7,015
230+00	21.96	16.86	58.92	0.00	18.00	4.48	45	35	86	0	35	5	2,675	1,968	5,029	1,742	1,055	-7,118
230+50	16.70	14.15	14.18	0.00	1.00	7.74	36	29	50	0	18	11	2,711	1,997	5,091	1,742	1,069	-7,188
231+00	12.38	10.43	59.54	0.00	16.00	11.57	27	23	52	0	16	18	2,738	2,020	5,156	1,742	1,091	-7,271
231+50	9.55	7.67	66.58	0.00	15.00	14.33	20	17	88	0	29	24	2,758	2,037	5,266	1,742	1,121	-7,408
232+00	7.83	5.89	67.71	0.00	17.00	16.10	16	13	94	0	30	28	2,774	2,050	5,384	1,742	1,156	-7,558
232+50	7.08	4.72	78.97	0.00	19.00	16.80	14	10	103	0	33	30	2,788	2,060	5,513	1,742	1,194	-7,720
233+00	15.28	10.70	98.41	0.00	33.00	11.59	21	14	116	0	48	26	2,809	2,074	5,658	1,742	1,226	-7,890
233+50	20.61	13.03	88.34	0.00	40.00	8.39	33	22	105	0	68	18	2,842	2,096	5,789	1,742	1,249	-8,033

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 3 - CATEGORY 0010 - CONTINUED

STATION	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)					MASS ORDINATE
															EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	
															EXPANSION FACTOR			
	NOTE 1	NOTE 2	NOTE 3	NOTE 4		NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4		NOTE 5	NOTE 1	NOTE 2	1.25 NOTE 3	1.50 NOTE 4	1.25 NOTE 5	NOTE 6
234+00	23.46	15.02	50.33	0.00	35.00	6.98	41	26	59	0	69	14	2,883	2,122	5,863	1,742	1,266	-8,109
234+50	23.08	15.23	14.27	0.00	11.00	7.31	43	28	17	0	43	13	2,926	2,150	5,884	1,742	1,283	-8,132
235+00	20.71	14.88	14.50	0.00	9.00	7.26	41	28	8	0	19	13	2,967	2,178	5,894	1,742	1,299	-8,145
235+50	21.36	16.40	26.68	0.00	14.00	5.60	39	29	17	0	21	12	3,006	2,207	5,915	1,742	1,314	-8,171
236+00	21.27	16.68	43.74	33.00	20.00	5.32	39	31	34	31	31	10	3,045	2,238	5,958	1,788	1,326	-8,265
236+50	19.18	16.13	67.23	52.00	21.00	5.87	37	30	65	79	38	10	3,082	2,268	6,039	1,907	1,339	-8,470
237+00	18.81	15.49	6.94	0.00	0.00	6.51	35	29	50	48	19	11	3,117	2,297	6,101	1,979	1,353	-8,612
237+24	29.04	15.40	0.22	0.00	0.00	6.60	22	14	3	0	0	6	3,139	2,311	6,105	1,979	1,360	-8,616
237+50	20.07	15.05	0.27	0.00	0.00	6.95	23	15	0	0	0	6	3,162	2,326	6,105	1,979	1,368	-8,615
238+00	17.93	15.64	35.91	45.00	16.00	6.36	35	28	19	42	15	12	3,197	2,354	6,129	2,042	1,383	-8,710
238+50	19.10	16.33	48.58	43.00	17.00	5.67	34	30	47	81	31	11	3,231	2,384	6,188	2,163	1,396	-8,900
239+00	21.23	17.37	52.09	46.00	16.00	4.63	37	31	62	82	31	10	3,268	2,415	6,265	2,286	1,409	-9,107
239+50	20.69	17.28	60.66	31.00	16.00	4.72	39	32	74	71	30	9	3,307	2,447	6,358	2,393	1,420	-9,310
240+00	19.14	16.33	75.56	33.00	16.00	5.67	37	31	96	59	30	10	3,344	2,478	6,478	2,481	1,433	-9,525
240+50	23.18	19.32	83.51	30.00	23.00	2.78	39	33	111	58	36	8	3,383	2,511	6,616	2,568	1,443	-9,755
241+00	24.75	19.37	92.00	17.00	26.00	2.59	44	36	118	44	45	5	3,427	2,547	6,764	2,634	1,449	-9,967
241+50	23.20	18.46	100.44	9.00	27.00	3.38	44	35	129	24	49	6	3,471	2,582	6,925	2,670	1,456	-10,162
242+00	26.90	19.90	67.46	16.00	25.00	2.15	46	36	107	23	48	5	3,517	2,618	7,059	2,705	1,463	-10,327
242+50	27.57	20.31	56.68	8.00	24.00	1.62	50	37	70	22	45	3	3,567	2,655	7,146	2,738	1,466	-10,438
243+00	32.00	21.49	64.16	5.00	26.00	0.64	55	39	66	12	46	2	3,622	2,694	7,229	2,756	1,469	-10,525
243+50	30.43	20.82	59.23	5.00	26.00	1.19	58	39	66	9	48	2	3,680	2,733	7,311	2,769	1,471	-10,605
244+00	32.45	21.41	76.92	4.00	25.00	0.48	58	39	79	8	47	2	3,738	2,772	7,410	2,781	1,474	-10,699
244+50	33.73	22.07	43.16	0.00	13.00	0.03	61	40	76	4	35	0	3,799	2,812	7,505	2,787	1,474	-10,779
245+00	34.96	22.00	85.68	0.00	16.00	0.00	64	41	92	0	27	0	3,863	2,853	7,620	2,787	1,474	-10,871
245+50	29.23	16.54	226.06	14.00	0.00	5.34	59	36	274	13	15	5	3,922	2,889	7,963	2,807	1,480	-11,216
246+00	31.62	16.08	223.75	12.00	0.00	5.96	56	30	416	24	0	10	3,978	2,919	8,483	2,843	1,493	-11,759
246+50	35.33	15.46	181.42	9.00	0.00	6.53	62	29	375	19	0	12	4,040	2,948	8,951	2,871	1,508	-12,238
247+00	38.75	16.40	135.32	0.00	0.00	5.71	69	30	293	8	0	11	4,109	2,978	9,318	2,883	1,521	-12,591
247+50	43.85	18.73	92.89	0.00	0.00	3.32	76	33	211	0	0	8	4,185	3,011	9,581	2,883	1,531	-12,822
248+00	45.16	20.56	85.89	0.00	0.00	1.41	82	36	166	0	0	4	4,267	3,047	9,789	2,883	1,536	-12,988
248+50	44.75	21.42	96.58	0.00	0.00	0.59	83	39	169	0	0	2	4,350	3,086	10,000	2,883	1,539	-13,158
249+00	42.38	21.76	91.34	0.00	0.00	0.24	81	40	174	0	0	1	4,431	3,126	10,218	2,883	1,540	-13,336
249+50	37.68	22.01	69.55	0.00	0.00	0.00	74	41	149	0	0	0	4,505	3,167	10,404	2,883	1,540	-13,489
250+00	30.66	21.74	50.12	0.00	0.00	0.27	63	41	111	0	0	0	4,568	3,208	10,543	2,883	1,540	-13,606
250+50	29.20	21.59	25.17	0.00	0.00	0.41	55	40	70	0	0	1	4,623	3,248	10,630	2,883	1,541	-13,679
251+00	29.72	21.77	24.79	0.00	0.00	0.23	55	40	46	0	0	1	4,678	3,288	10,688	2,883	1,543	-13,723
251+50	37.18	21.99	5.65	0.00	0.00	0.01	62	41	28	0	0	0	4,740	3,329	10,723	2,883	1,543	-13,737
252+00	30.12	21.96	28.12	0.00	0.00	0.04	62	41	31	0	0	0	4,802	3,370	10,761	2,883	1,543	-13,755
252+50	31.10	21.91	26.98	0.00	0.00	0.09	57	41	51	0	0	0	4,859	3,411	10,825	2,883	1,543	-13,803
253+00	28.47	21.34	27.59	0.00	0.00	0.69	55	40	51	0	0	1	4,914	3,451	10,889	2,883	1,544	-13,853

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - CTH U STAGE 3 - CATEGORY 0010 - CONTINUED

STATION	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)					MASS ORDINATE
															EXPANDED FILL / BACKFILL			
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXCAVATION	RIPRAP	CONC PAVT REMOVAL BEYOND SUBGRADE	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	MARSH BACKFILL	CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL	
															EXPANSION FACTOR			
	NOTE 1	NOTE 2	NOTE 3	NOTE 4		NOTE 5	NOTE 1	NOTE 2	NOTE 3	NOTE 4		NOTE 5	NOTE 1	NOTE 2	1.25 NOTE 3	1.50 NOTE 4	1.25 NOTE 5	NOTE 6
253+50	28.76	20.64	11.66	0.00	0.00	1.43	53	39	36	0	0	2	4,967	3,490	10,934	2,883	1,546	-13,886
254+00	25.99	18.86	11.53	0.00	0.00	3.10	51	37	21	0	0	4	5,018	3,527	10,960	2,883	1,551	-13,903
254+50	23.91	15.30	3.06	0.00	0.00	6.76	46	32	14	0	0	9	5,064	3,559	10,978	2,883	1,563	-13,918
254+70	30.04	16.24	1.69	0.00	0.00	5.86	20	12	2	0	0	5	5,084	3,571	10,980	2,883	1,569	-13,919
255+00	25.04	19.90	21.14	0.00	0.00	2.01	31	20	13	0	0	4	5,115	3,591	10,996	2,883	1,574	-13,929
255+50	28.22	20.54	34.55	0.00	0.00	1.49	49	37	52	0	0	3	5,164	3,628	11,061	2,883	1,578	-13,986
256+00	30.60	21.50	33.12	0.00	0.00	0.35	54	39	63	0	0	2	5,218	3,667	11,140	2,883	1,580	-14,052
256+50	40.25	21.45	0.02	0.00	0.00	0.55	66	40	31	0	0	1	5,284	3,707	11,179	2,883	1,581	-14,066
256+75	39.44	21.92	0.00	0.00	0.00	0.16	37	20	0	0	0	0	5,321	3,727	11,179	2,883	1,581	-14,049
257+00	34.03	22.15	2.03	0.00	0.00	0.01	34	20	1	0	0	0	5,355	3,747	11,180	2,883	1,581	-14,036
257+50	35.24	19.71	5.52	0.00	3.00	2.24	64	39	4	0	3	2	5,419	3,786	11,185	2,883	1,584	-14,019
257+60	34.75	18.46	16.98	0.00	8.00	3.53	13	7	2	0	2	1	5,432	3,793	11,188	2,883	1,585	-14,017
258+00	25.82	20.22	47.03	0.00	23.00	1.92	45	29	24	0	23	4	5,477	3,822	11,218	2,883	1,590	-14,036
258+50	34.37	21.72	4.98	0.00	0.00	0.12	56	39	27	0	21	2	5,533	3,861	11,251	2,883	1,593	-14,055
258+60	53.40	21.80	3.29	0.00	0.00	0.06	16	8	1	0	0	0	5,549	3,869	11,253	2,883	1,593	-14,048
259+00	34.03	21.93	17.47	0.00	0.00	0.00	65	33	15	0	0	0	5,614	3,902	11,271	2,883	1,593	-14,035
259+50	46.58	21.64	2.79	0.00	0.00	0.36	75	40	19	0	0	0	5,689	3,942	11,295	2,883	1,593	-14,024
260+00	35.04	21.70	3.24	0.00	0.00	0.30	76	40	6	0	0	1	5,765	3,982	11,303	2,883	1,594	-13,996
260+50	34.85	21.72	3.18	0.00	0.00	0.29	65	40	6	0	0	1	5,830	4,022	11,310	2,883	1,595	-13,980
261+00	42.23	21.21	1.13	0.00	0.00	0.79	71	40	4	0	0	1	5,901	4,062	11,315	2,883	1,596	-13,955
261+50	31.10	20.69	26.99	0.00	0.00	1.32	68	39	26	0	0	2	5,969	4,101	11,348	2,883	1,599	-13,961
262+00	31.30	19.30	1.92	0.00	0.00	2.70	58	37	27	0	0	4	6,027	4,138	11,381	2,883	1,604	-13,979
262+50	28.13	21.64	11.74	0.00	0.00	0.37	55	38	13	0	0	3	6,082	4,176	11,398	2,883	1,608	-13,982
263+00	28.21	21.66	26.85	0.00	0.00	0.35	52	40	36	0	0	1	6,134	4,216	11,443	2,883	1,609	-14,016
263+50	28.57	21.86	40.85	0.00	0.00	0.18	53	40	63	0	0	0	6,187	4,256	11,521	2,883	1,609	-14,082
263+85	27.26	19.84	40.59	0.00	0.00	2.25	36	27	53	0	0	2	6,223	4,283	11,588	2,883	1,611	-14,142
264+00	26.84	18.39	39.11	0.00	0.00	3.66	15	11	22	0	0	2	6,238	4,294	11,615	2,883	1,614	-14,168
264+50	26.22	0.00	33.43	0.00	0.00	0.00	49	17	67	0	0	3	6,287	4,311	11,699	2,883	1,618	-14,223
265+00	59.34	0.00	0.01	0.00	0.00	0.00	79	0	31	0	0	0	6,366	4,311	11,738	2,883	1,618	-14,183
265+50	35.47	0.00	1.78	0.00	0.00	0.00	88	0	2	0	0	0	6,454	4,311	11,740	2,883	1,618	-14,098
266+00	16.52	0.00	1.30	0.00	0.00	0.00	48	0	3	0	0	0	6,502	4,311	11,744	2,883	1,618	-14,053
266+40	27.96	0.00	1.78	0.00	0.00	0.00	33	0	2	0	0	0	6,535	4,311	11,746	2,883	1,618	-14,023
266+50	17.15	0.00	1.52	0.00	0.00	0.00	9	0	1	0	0	0	6,544	4,311	11,748	2,883	1,618	-14,015
267+00	21.03	0.00	0.73	0.00	0.00	0.00	35	0	2	0	0	0	6,579	4,311	11,750	2,883	1,618	-13,983
267+39	31.11	0.00	0.00	0.00	0.00	0.00	38	0	1	0	0	0	6,617	4,311	11,751	2,883	1,618	-13,946
267+50	21.14	0.00	0.83	0.00	0.00	0.00	10	0	0	0	0	0	6,627	4,311	11,751	2,883	1,618	-13,936
268+00	27.36	0.00	0.00	0.00	0.00	0.00	45	0	1	0	0	0	6,672	4,311	11,753	2,883	1,618	-13,892
268+30	31.28	0.00	0.00	0.00	0.00	0.00	33	0	0	0	0	0	6,705	4,311	11,753	2,883	1,618	-13,859

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL AREA	DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE, MARSH EXCAVATION AREAS, OR EBS AREAS. IT DOES INCLUDE RIPRAP AREAS.
4 - MARSH EXCAVATION / BACKFILL	BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL. EXCAVATED MARSH MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.
5 - CONC REM BEYOND SUBGRADE / BACKFILL	CONCRETE PAVEMENT REMOVAL AREAS THAT FALL OUTSIDE THE PROPOSED SUBGRADE. BACKFILL WITH CUT OR SAME BORROW MATERIAL SPECFIED FOR ADJACENT FILL.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL /MARSH BACKFILL / CONC PAVT REMOVAL BEYOND SUBGRADE BACKFILL - EBS BACKFILL
7 - EBS / BACKFILL	EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT. BACKFILL WITH SUIATABLE CUT MATERIAL OR BORROW.
8 - RIPRAP	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS.
9 - FILL VOLUME	FILL VOLUME HAS RIPRAP VOLUME SUBTRACTED

EARTHWORK DETAIL - BEAVER ST W - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
10+50	37.20	0.00	0.13	0	0	0	0	0	0	0
10+63	43.03	0.00	0.13	19	0	0	19	0	0	19

EARTHWORK DETAIL - BEAVER ST E - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
11+37	42.02	0.00	0.01	0	0	0	0	0	0	0
11+50	41.33	0.00	0.00	20	0	0	20	0	0	20

EARTHWORK DETAIL - BADGER ST - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
25+42	35.56	0.00	1.05	0	0	0	0	0	0	0
25+50	40.21	0.00	0.44	11	0	0	11	0	0	11

EARTHWORK DETAIL - OTTER ST - CATEGORY 0010

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL / BACKFILL EXP FACTOR FILL 1.25	EXPANDED FILL / BACKFILL EXP FACTOR EBS 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 7	NOTE 1	NOTE 2	NOTE 3	NOTE 7	NOTE 1	NOTE 2	NOTE 3	NOTE 7	NOTE 6
30+37	41.85	0.00	0.04	131.20	0	0	0	0	0	0	0	0	0
30+50	43.07	0.00	0.03	131.20	20	0	0	63	20	0	0	79	-59

EARTHWORK DETAIL - BEAR ST - CATEGORY 0010

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL / BACKFILL EXP FACTOR FILL 1.25	EXPANDED FILL / BACKFILL EXP FACTOR EBS 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 7	NOTE 1	NOTE 2	NOTE 3	NOTE 7	NOTE 1	NOTE 2	NOTE 3	NOTE 7	NOTE 6
40+37	47.12	0.00	0.01	109.57	0	0	0	0	0	0	0	0	0
40+50	50.31	0.00	0.00	110.70	23	0	0	53	23	0	0	66	-43

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL	FILL DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE OR MARSH EXCAVATION AREAS.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL - EBS BACKFILL
7 - EBS / BACKFILL	BACKFILL WITH BORROW SPECIAL. EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.

EARTHWORK DETAIL - ELK ST - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
50+41	40.91	0.00	0.06	0	0	0	0	0	0	0
50+50	43.38	0.00	0.03	14	0	0	14	0	0	14

EARTHWORK DETAIL - FOX ST - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
60+40	24.61	0.00	0.81	0	0	0	0	0	0	0
60+60	29.41	0.00	0.00	20	0	0	20	0	0	20

EARTHWORK DETAIL - SIDEWALK - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
2+50	2.86	0.00	0.18	0	0	0	0	0	0	0
3+00	0.76	0.00	1.31	3	0	1	3	0	1	2
3+50	2.90	0.00	0.17	3	0	1	6	0	3	4
4+00	2.74	0.00	0.27	5	0	0	11	0	3	9
4+50	2.23	0.00	0.37	5	0	1	16	0	4	12
5+00	1.94	0.00	0.57	4	0	1	20	0	5	15
5+44	3.55	0.00	0.02	4	0	0	24	0	5	19
5+77	2.95	0.00	0.16	4	0	0	28	0	5	23
6+00	1.02	0.00	1.14	2	0	1	30	0	6	24
6+50	1.38	0.00	0.85	2	0	2	32	0	9	23
7+00	3.43	0.00	0.04	4	0	1	36	0	10	26
7+50	2.54	0.00	0.39	6	0	0	42	0	10	32
8+00	3.00	0.00	0.24	5	0	1	47	0	11	36
8+50	1.98	0.00	1.11	5	0	1	52	0	13	40
8+75	0.00	0.00	7.84	1	0	4	53	0	18	36

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL	FILL DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE OR MARSH EXCAVATION AREAS.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL - EBS BACKFILL
7 - EBS / BACKFILL	BACKFILL WITH BORROW SPECIAL. EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.

EARTHWORK DETAIL - MARSH RD - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
80+50	1.76	0.00	23.86	0	0	0	0	0	0	0
80+75	13.36	0.00	7.81	7	0	15	7	0	19	-12
81+00	23.00	0.00	0.07	17	0	4	24	0	24	0
81+28	23.55	0.00	0.04	24	0	0	48	0	24	24

EARTHWORK DETAIL - HUFFMAN RD - CATEGORY 0010

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
90+50	36.76	0.00	6.03	0	0	0	0	0	0	0
90+75	20.41	0.00	3.14	26	0	4	26	0	5	21
91+00	28.70	0.00	0.24	23	0	2	49	0	8	42
91+25	28.87	0.00	0.00	27	0	0	76	0	8	69
91+44	26.02	0.00	1.01	20	0	0	96	0	8	89

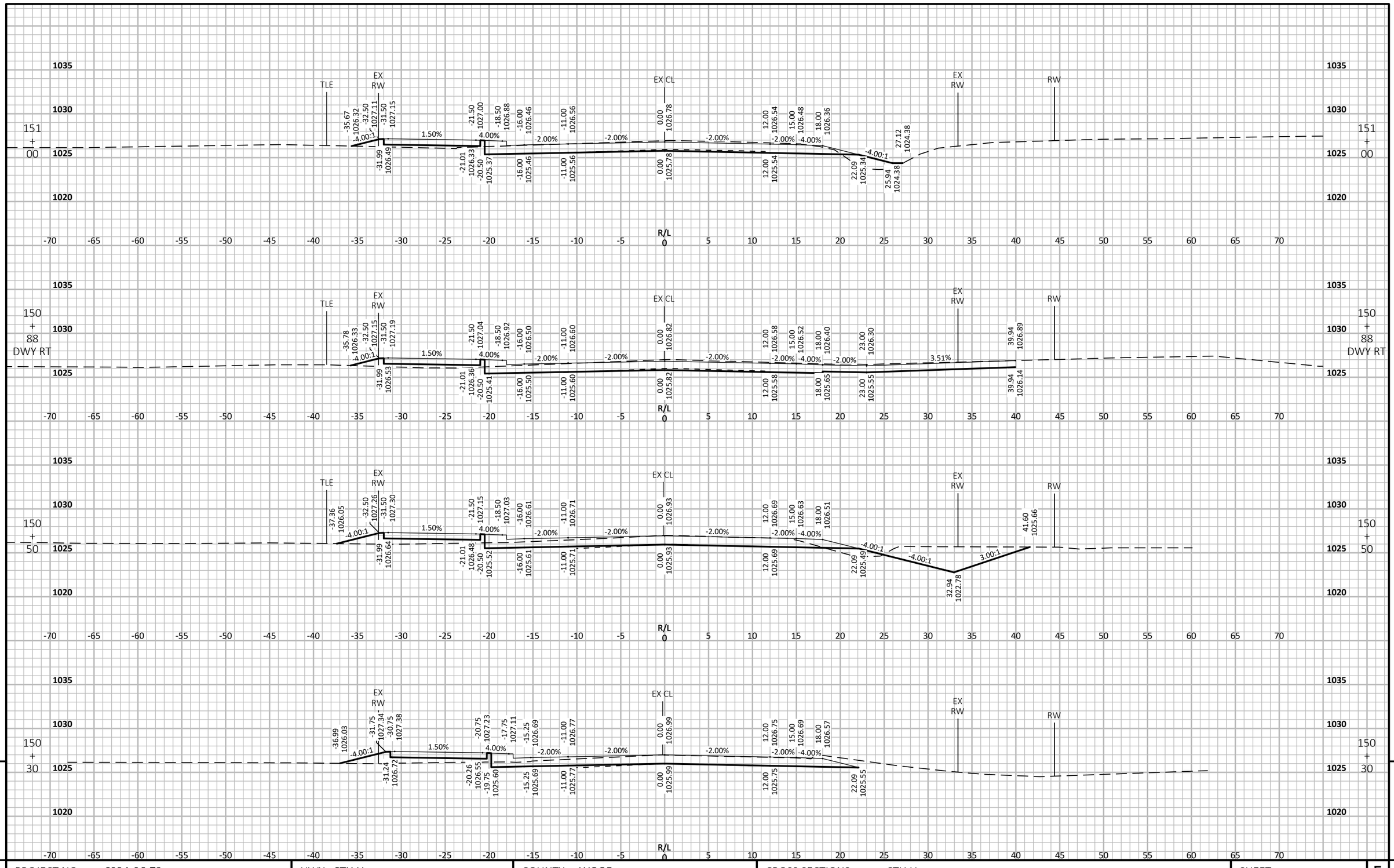
EARTHWORK DETAIL - PARKING LOT TRAIL - CATEGORY 0020

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
1+75	0.00	0.00	21.03	0	0	0	0	0	0	0
2+00	0.00	0.00	33.51	0	0	25	0	0	31	-31
2+25	0.00	0.00	38.52	0	0	33	0	0	73	0
2+50	0.00	0.00	17.87	0	0	26	0	0	105	-105

EARTHWORK DETAIL - PARKING LOT - CATEGORY 0020

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			MASS ORDINATE
	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL EXP FACTOR 1.25	
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 6
70+00	0.00	0.00	76.16	0	0	0	0	0	0	0
70+25	0.00	0.00	53.50	0	0	60	0	0	75	-75
70+50	0.00	0.00	47.11	0	0	47	0	0	134	-134
70+75	0.00	0.00	36.54	0	0	39	0	0	183	-183
71+00	0.00	0.00	30.15	0	0	31	0	0	221	-221
71+25	0.00	0.00	52.66	0	0	38	0	0	269	-269
71+50	0.00	0.00	40.98	0	0	43	0	0	323	-323

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL.
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS AREA DOES NOT APPEAR IN CROSS SECTIONS. ASSUMED TO INCLUDE CONCRETE PAVEMENT AND OVERLAYING ASPHALTIC PAVEMENT.
3 - FILL	FILL DOES NOT INCLUDE BACKFILL OF UNUSABLE PAVEMENT AREAS BEYOND SUBGRADE OR MARSH EXCAVATION AREAS.
6 - MASS ORDINATE	MASS ORDINATE = CUT - UNUSABLE MATERIAL - EXPANDED FILL - EBS BACKFILL
7 - EBS / BACKFILL	BACKFILL WITH BORROW SPECIAL. EBS MATERIAL MAY NOT BE USED AS FILL ON THE PROJECT.



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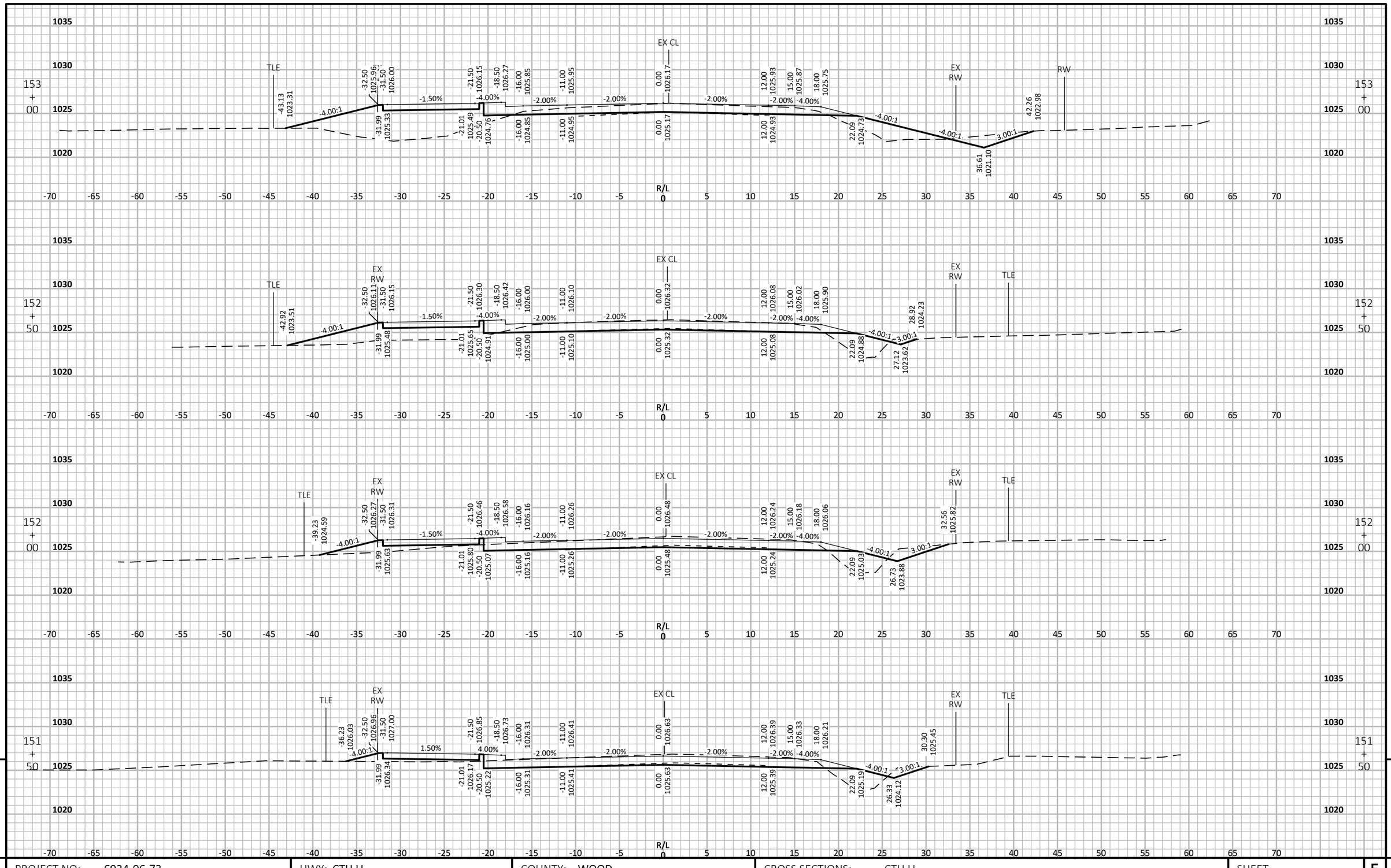
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 350	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090201-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 351	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090202-xs

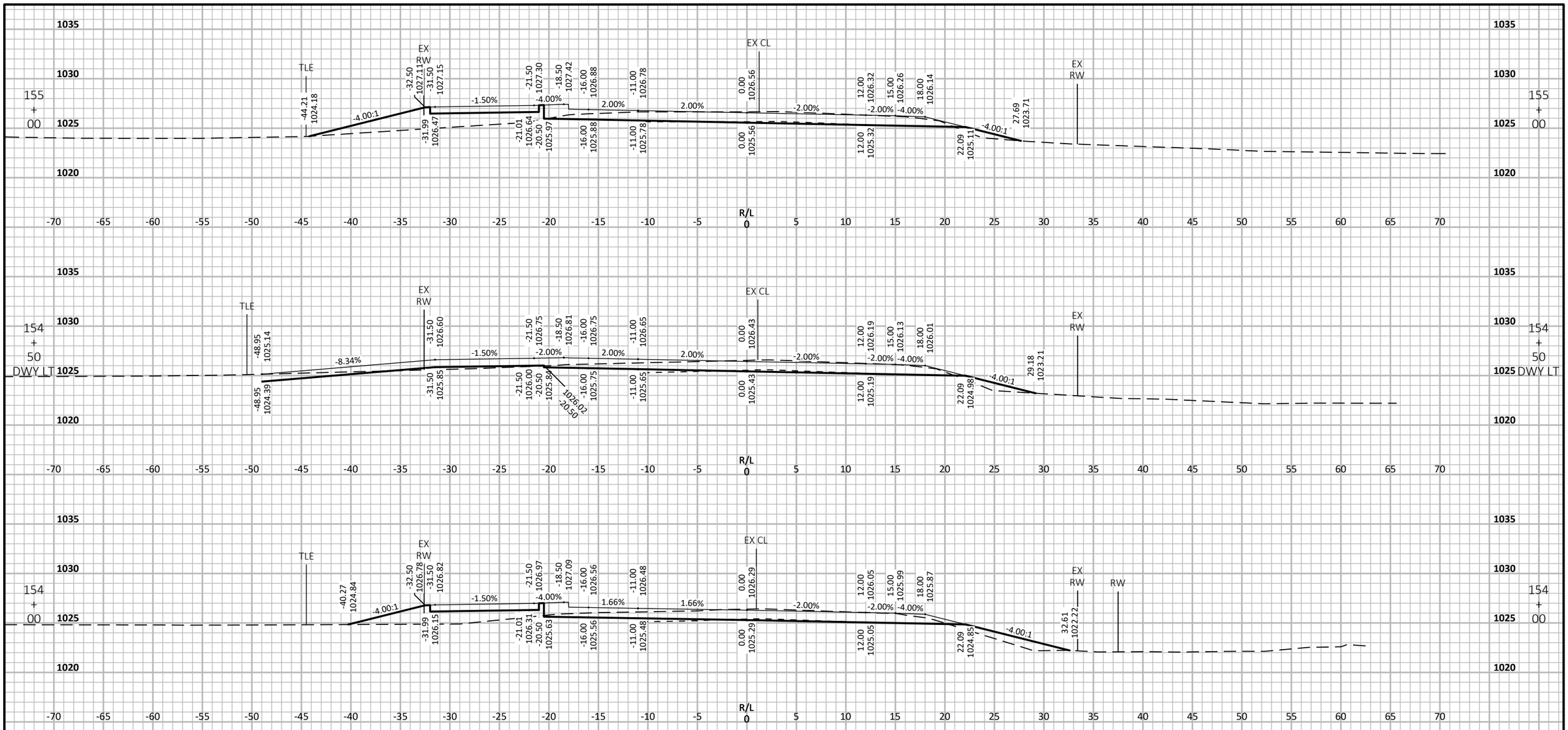
PLOT DATE : 10/10/2025 7:37 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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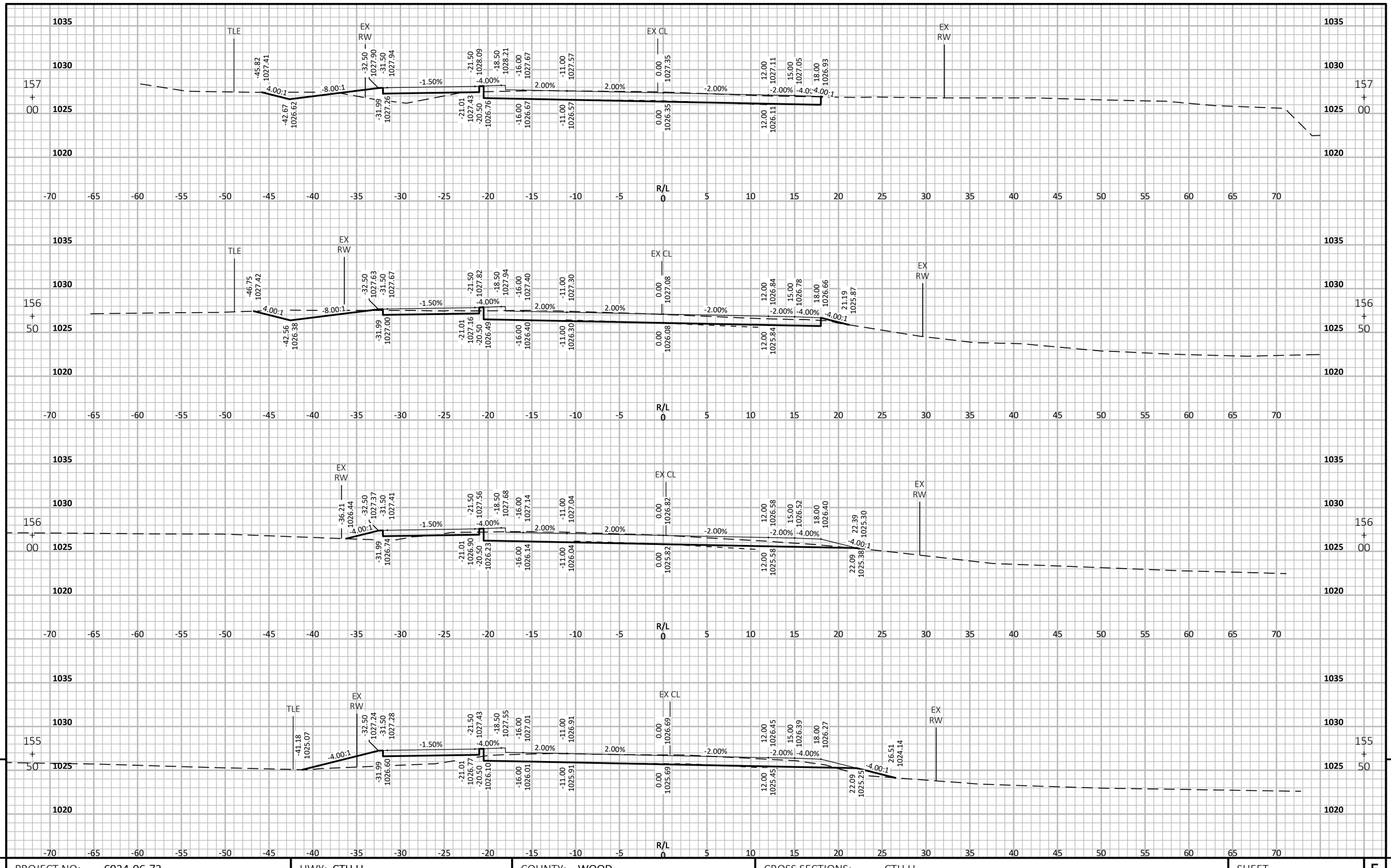
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 352	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090203-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



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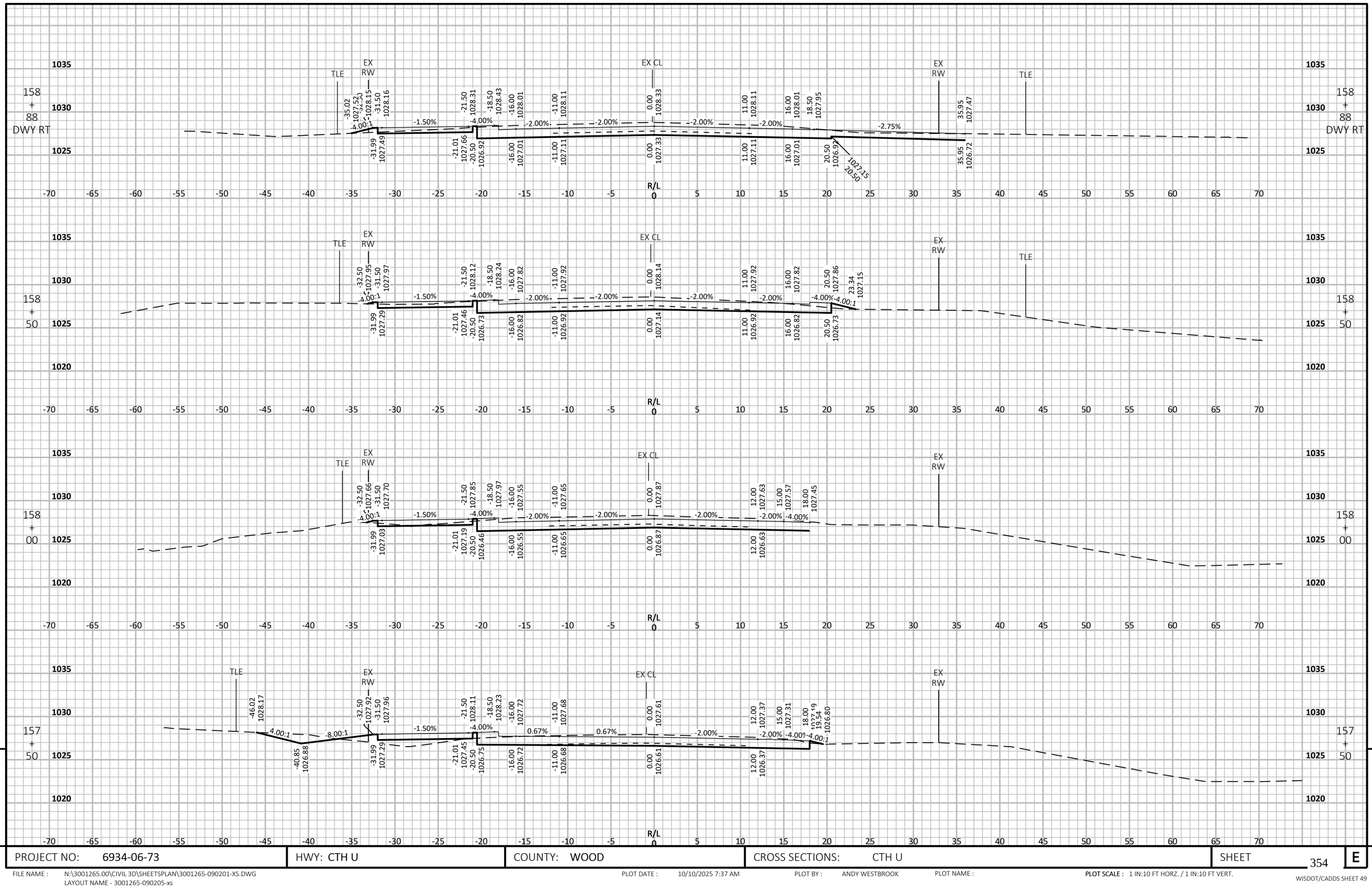
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 353	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090204-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



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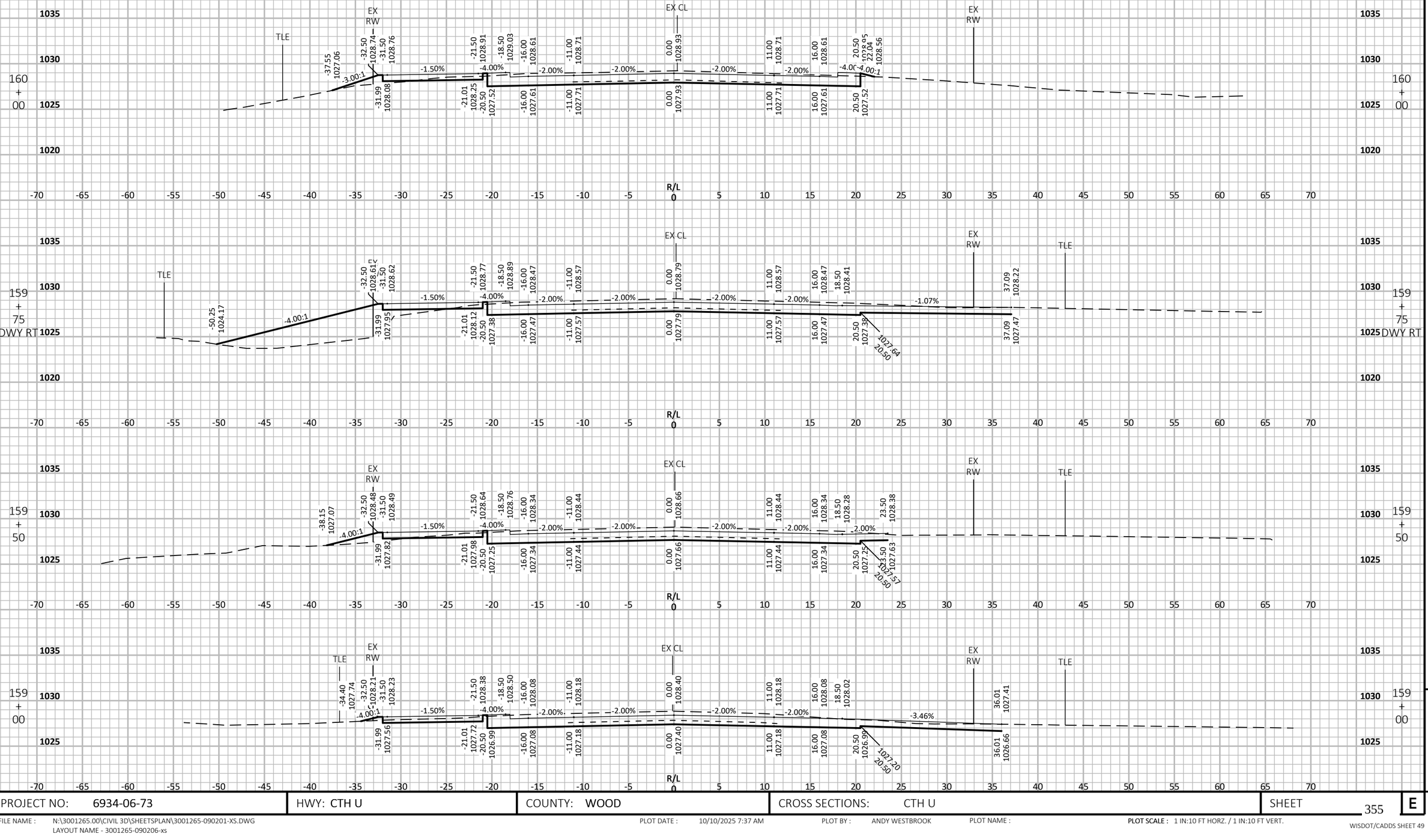
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 354	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090205-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49

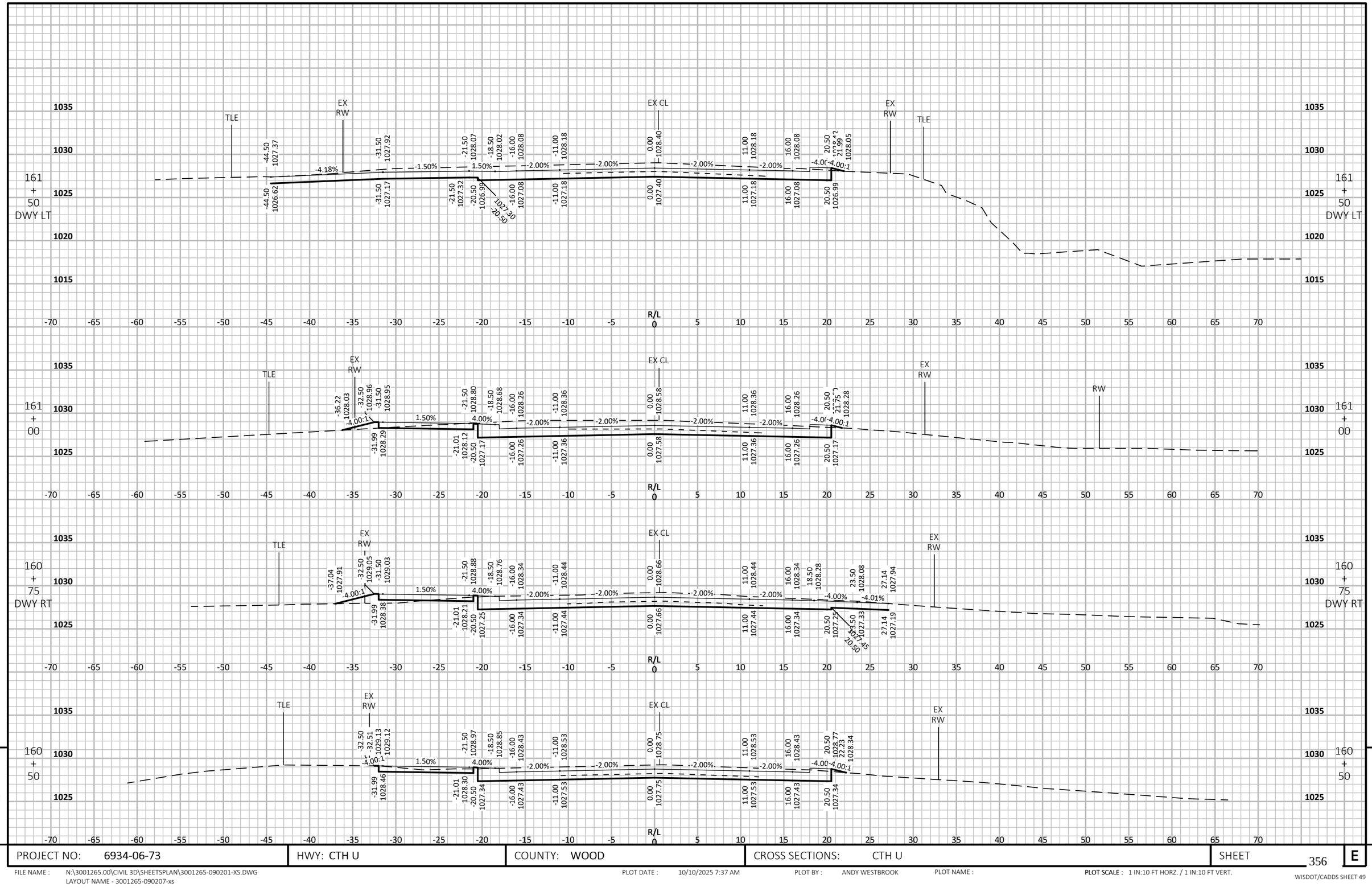


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 355 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090206-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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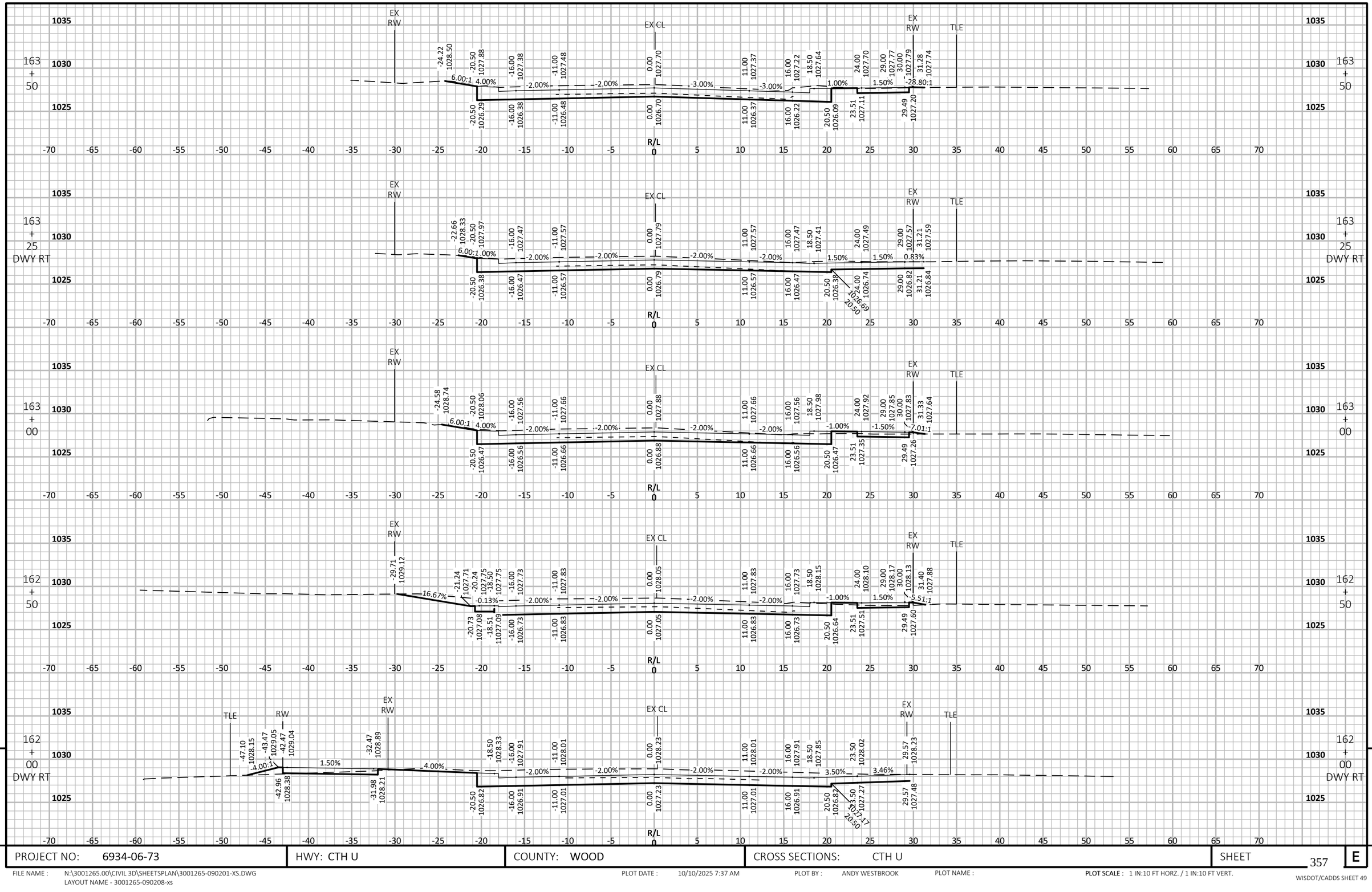
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 356	E

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LAYOUT NAME - 3001265-090207-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



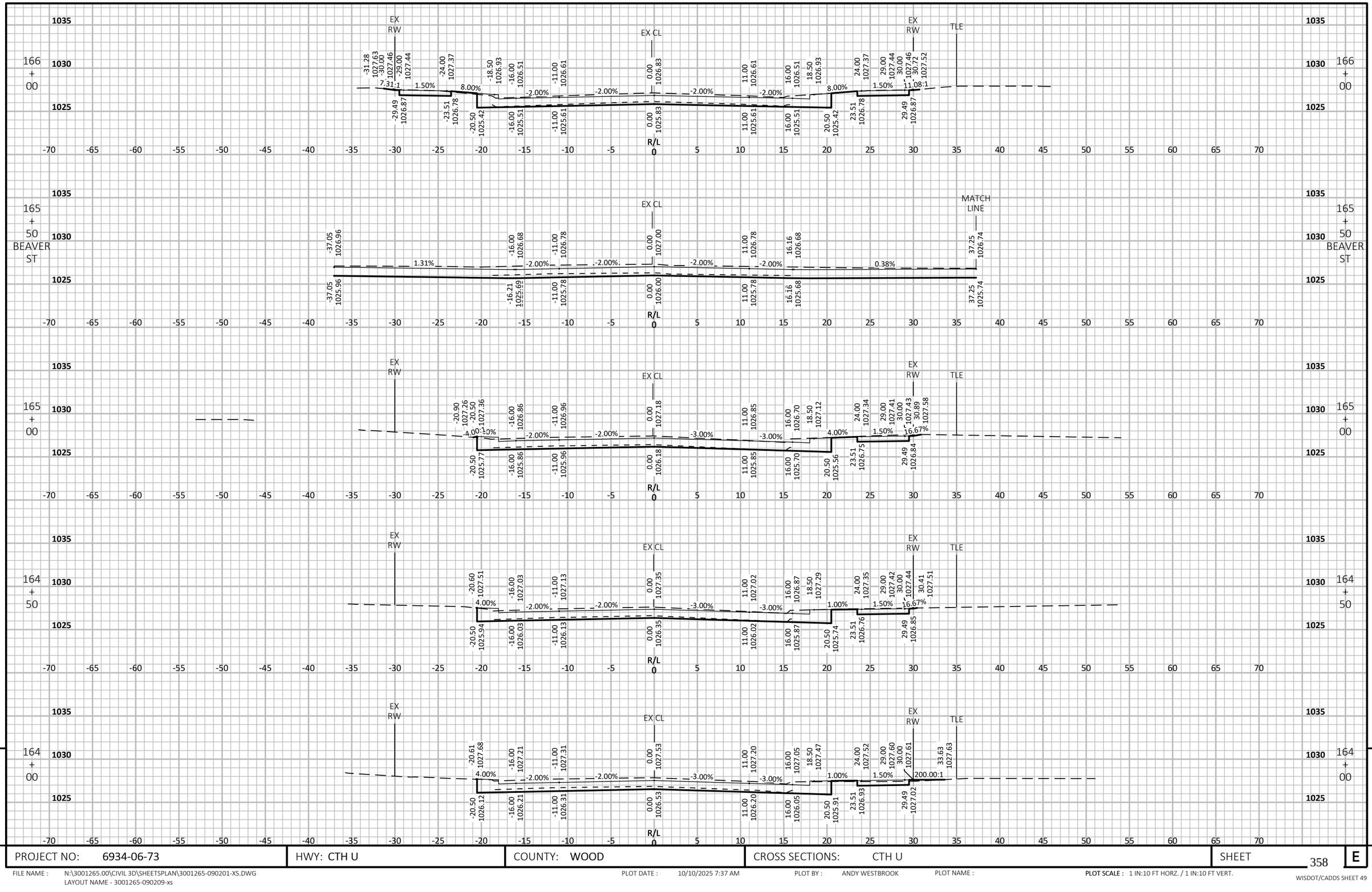
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 357	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090208-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 358	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090209-xs

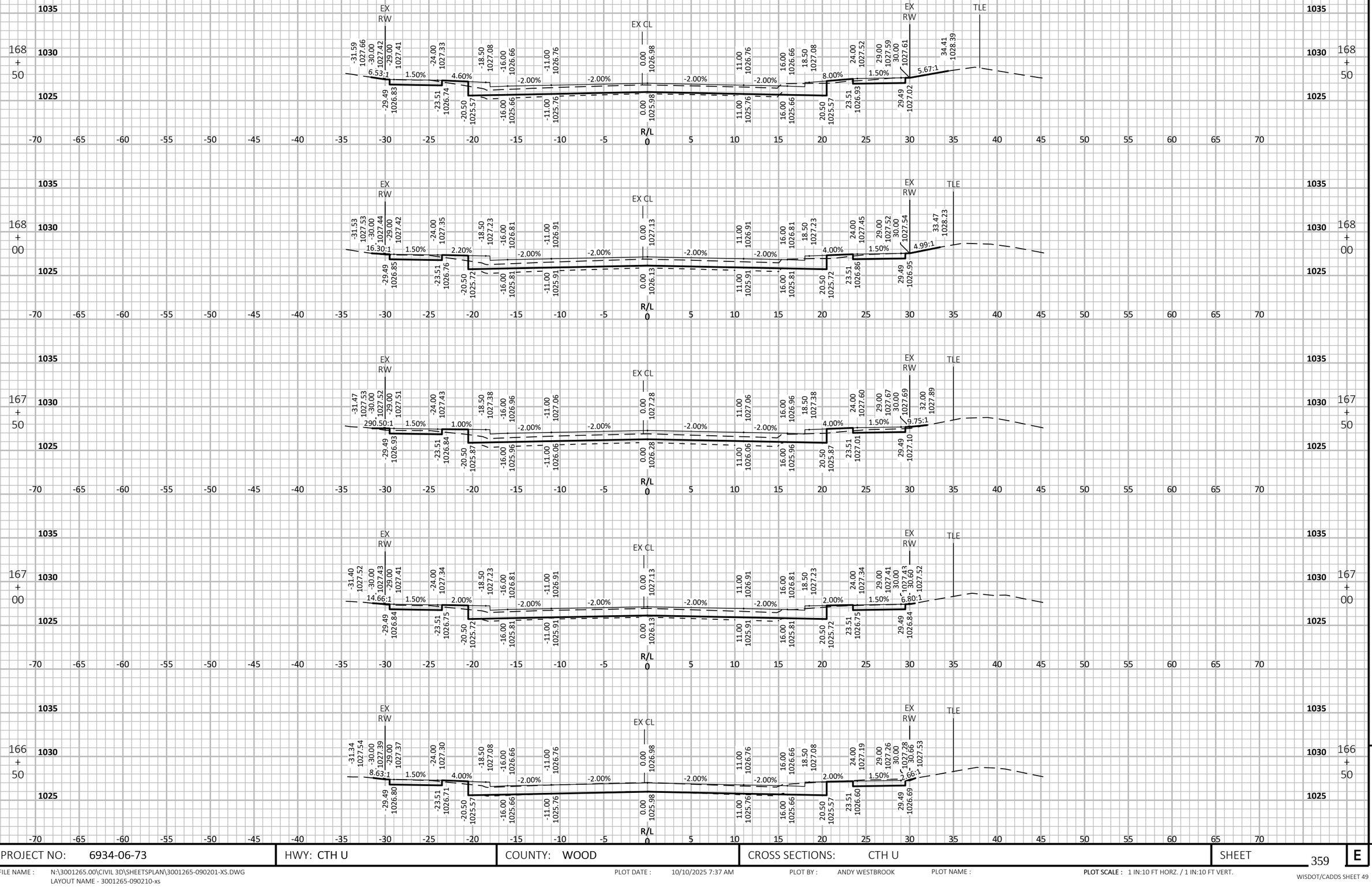
PLOT DATE : 10/10/2025 7:37 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 359	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090210-xs

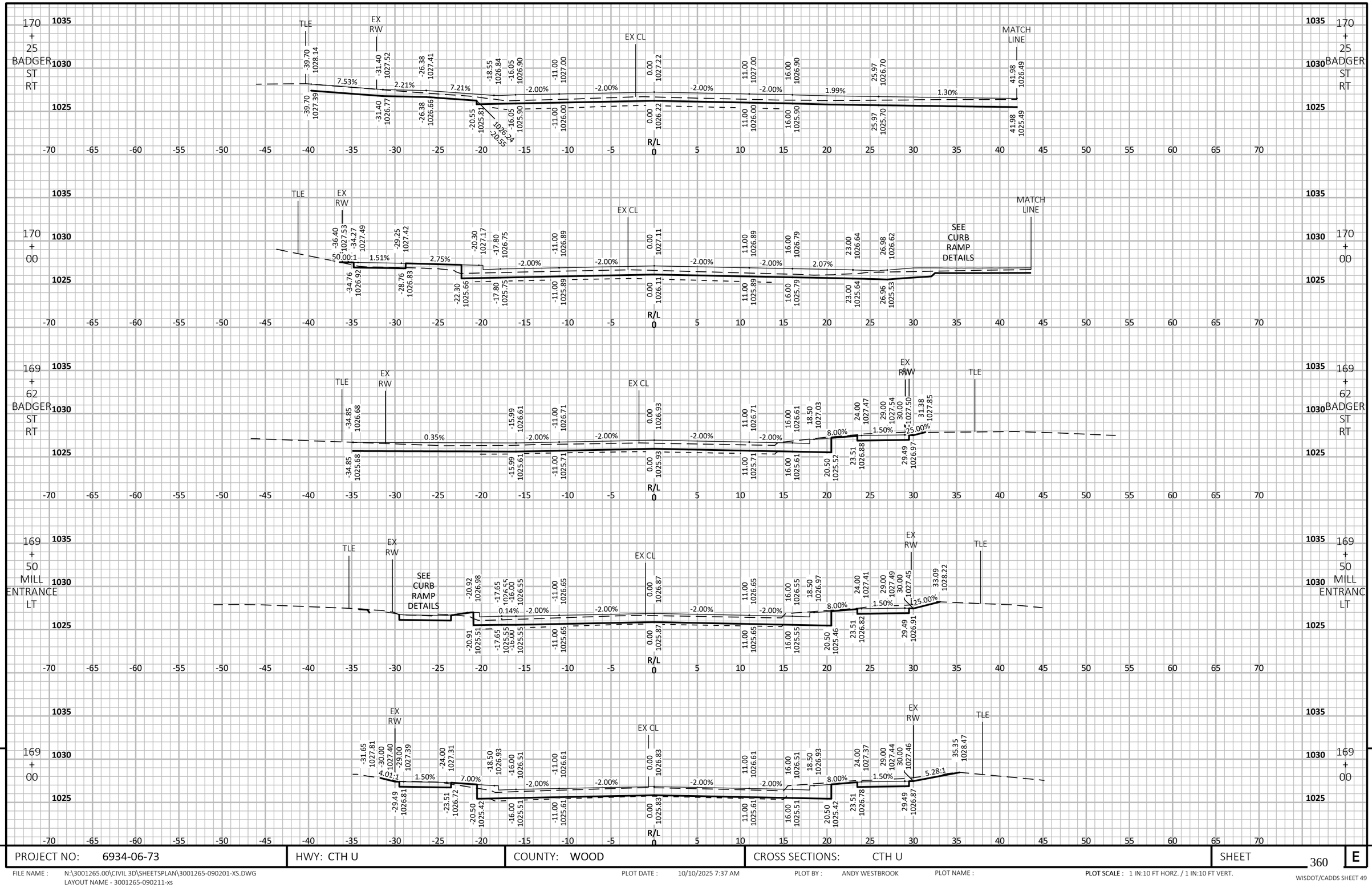
PLOT DATE : 10/10/2025 7:37 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

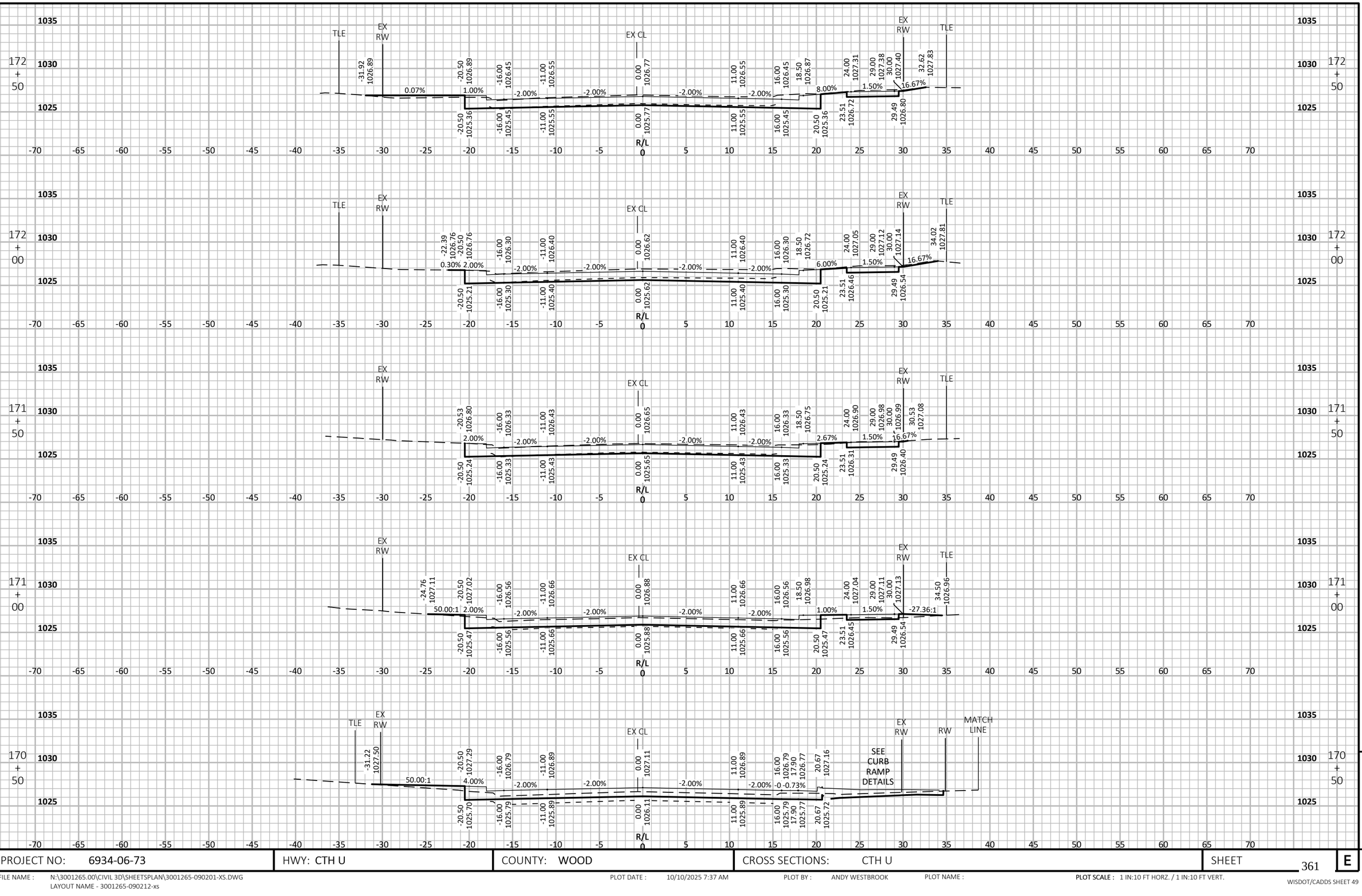
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 360 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090211-xs
PLOT DATE : 10/10/2025 7:37 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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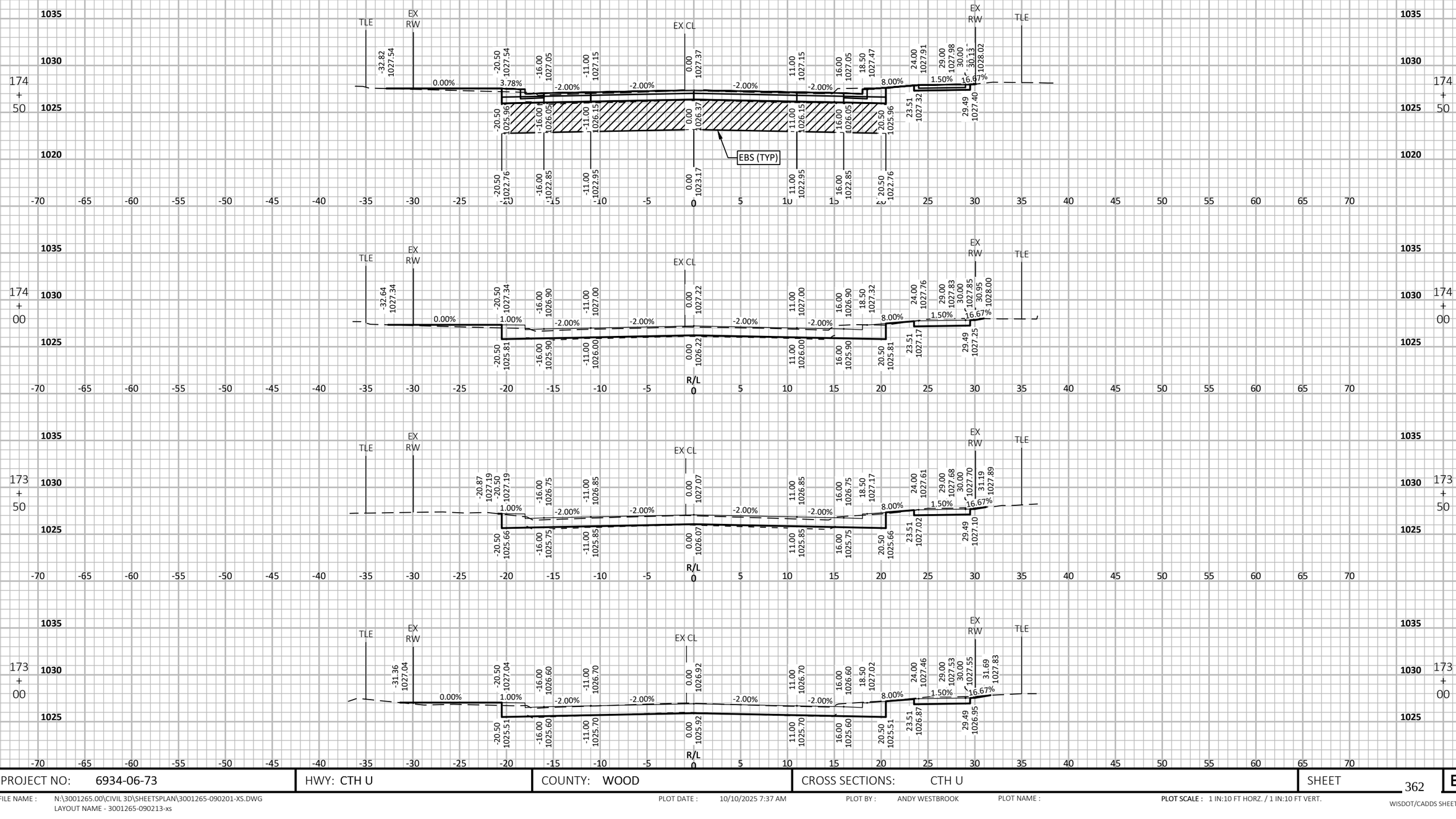
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 361	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090212-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 362	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090213-xs

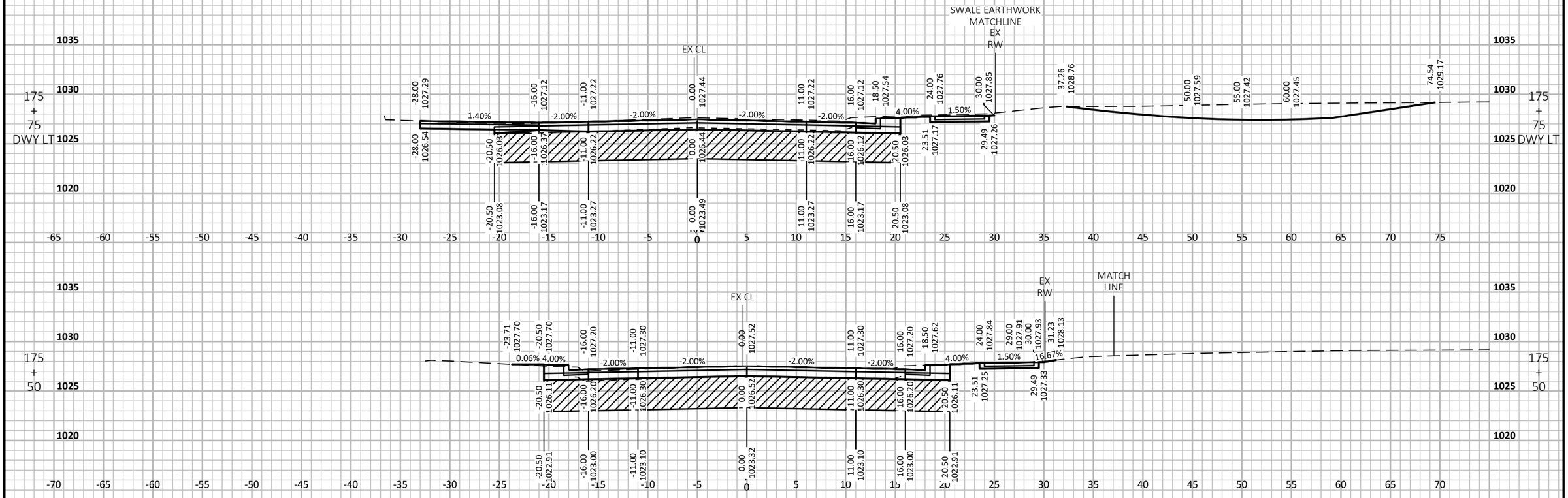
PLOT DATE : 10/10/2025 7:37 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 363	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090214-xs

PLOT DATE : 12/1/2025 8:22 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 364 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090215-xs

PLOT DATE : 12/1/2025 8:22 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 365	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090216-xs

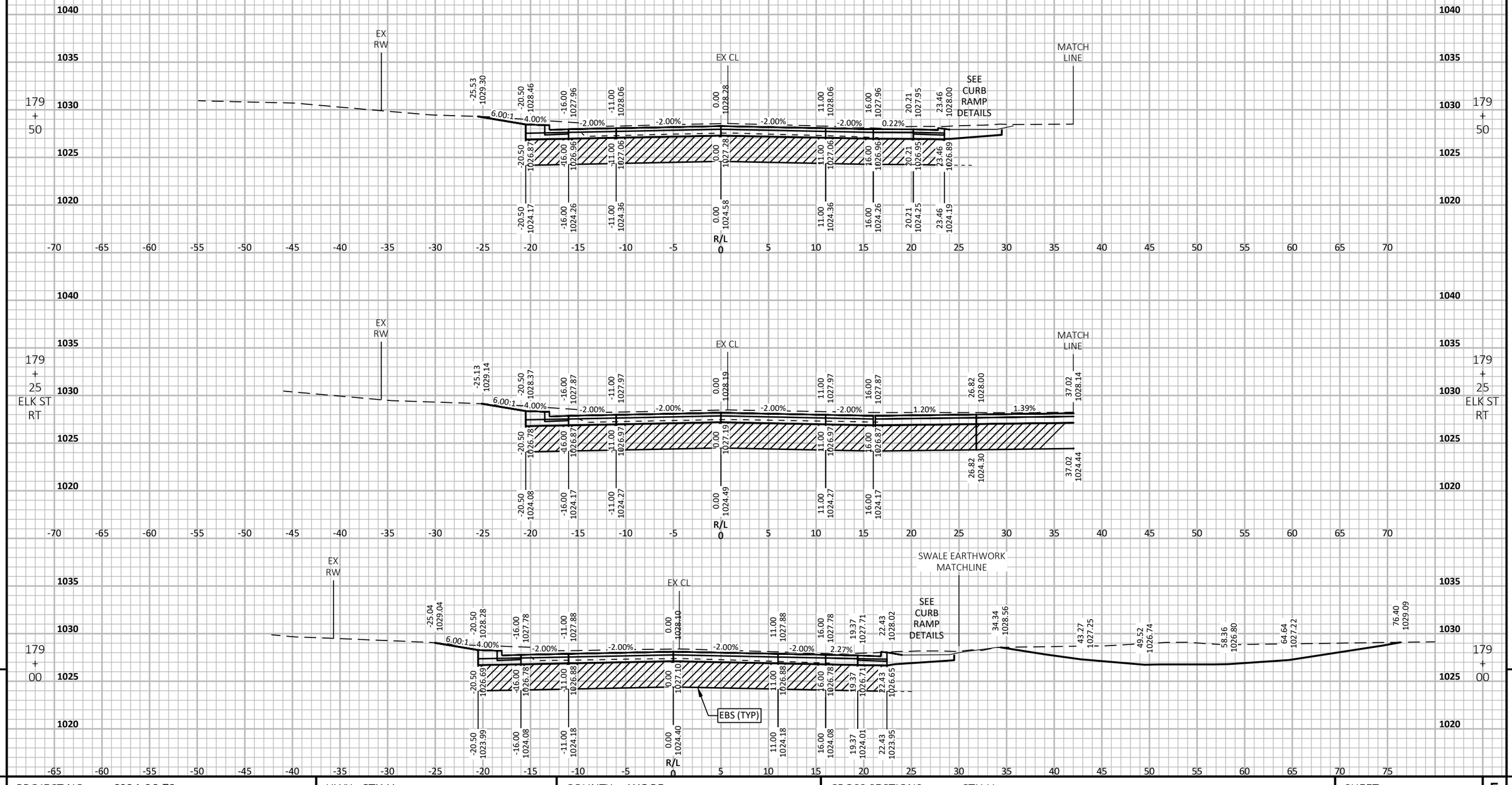
PLOT DATE : 12/1/2025 8:22 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 366	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090217-xs

PLOT DATE : 12/1/2025 8:22 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

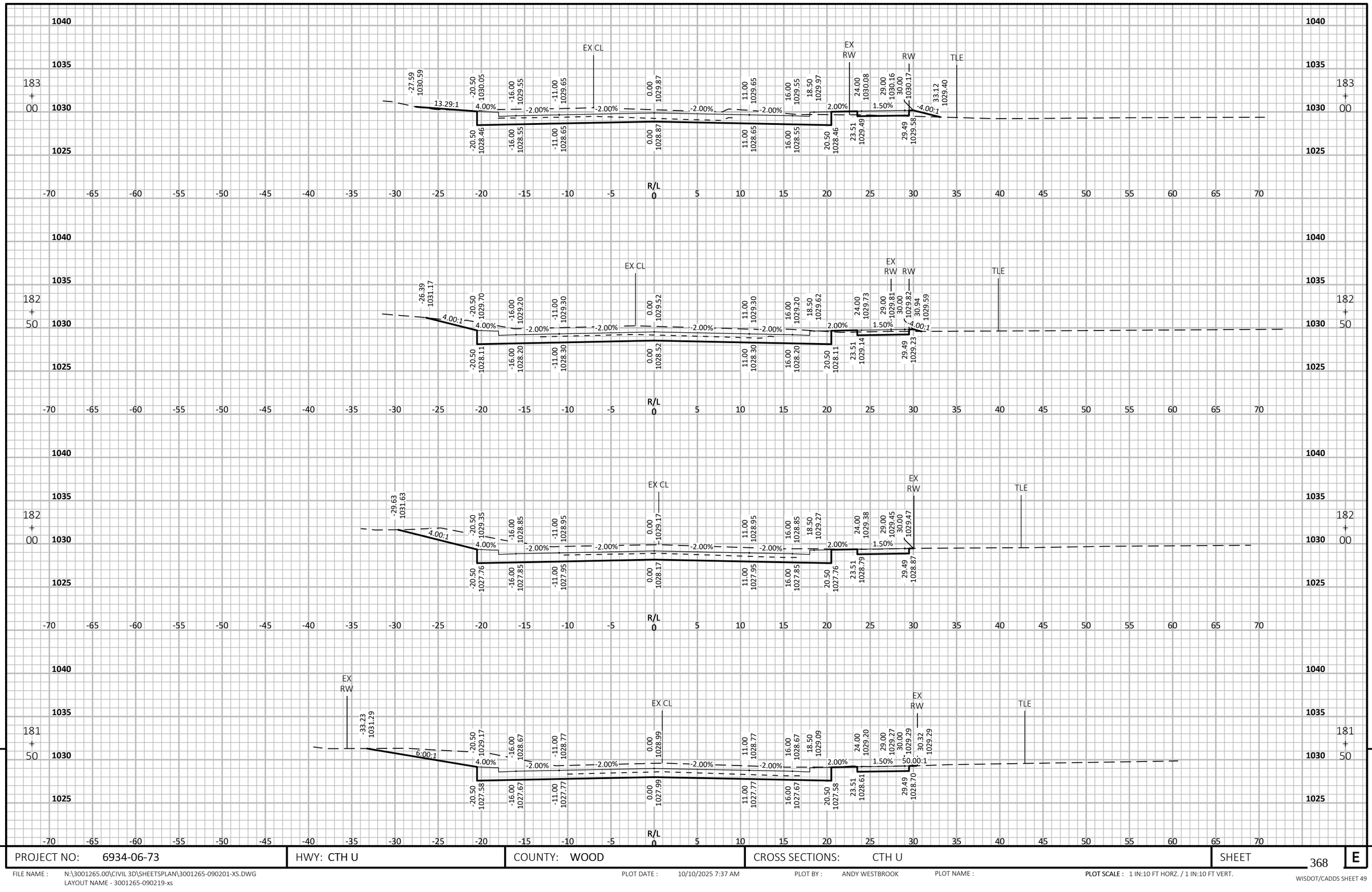
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 367	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090218-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



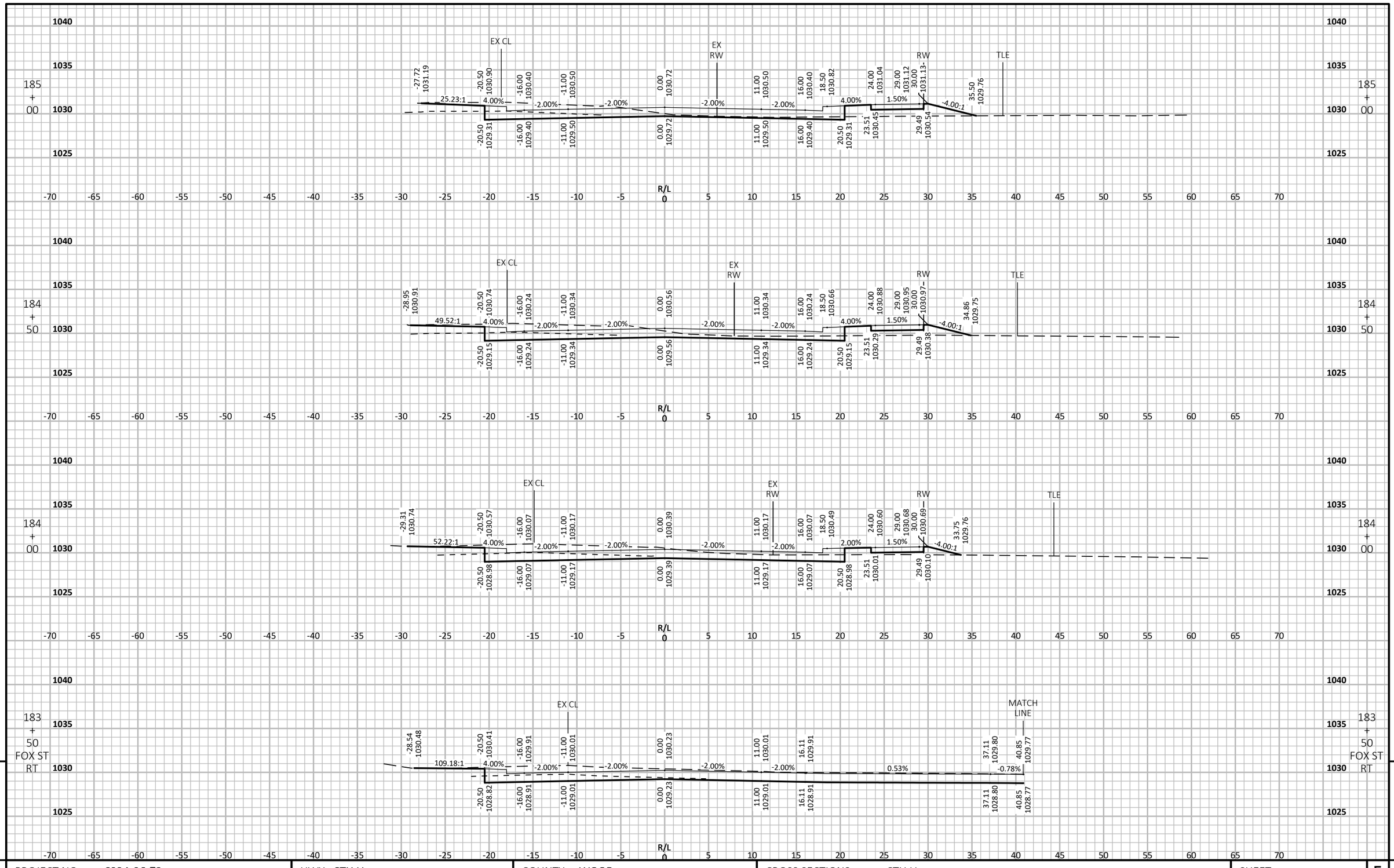
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 368	E

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LAYOUT NAME - 3001265-090219-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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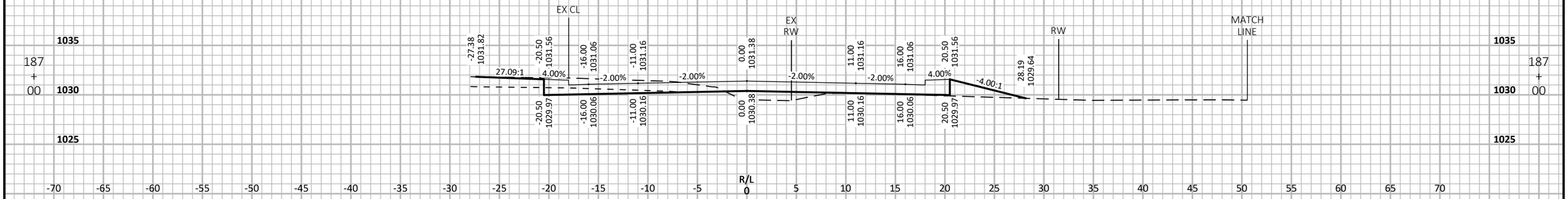
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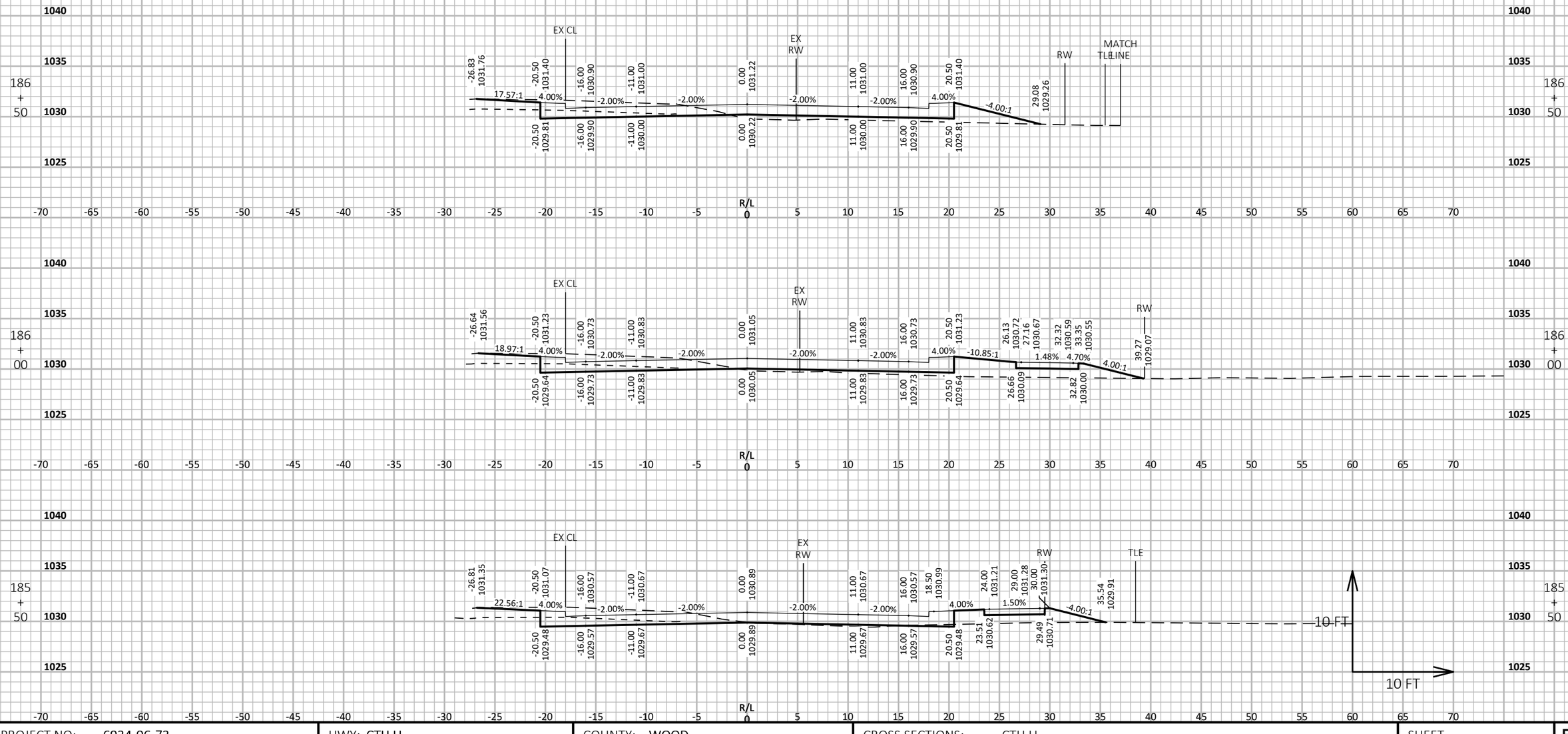
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090220-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49





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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 370	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090221-xs

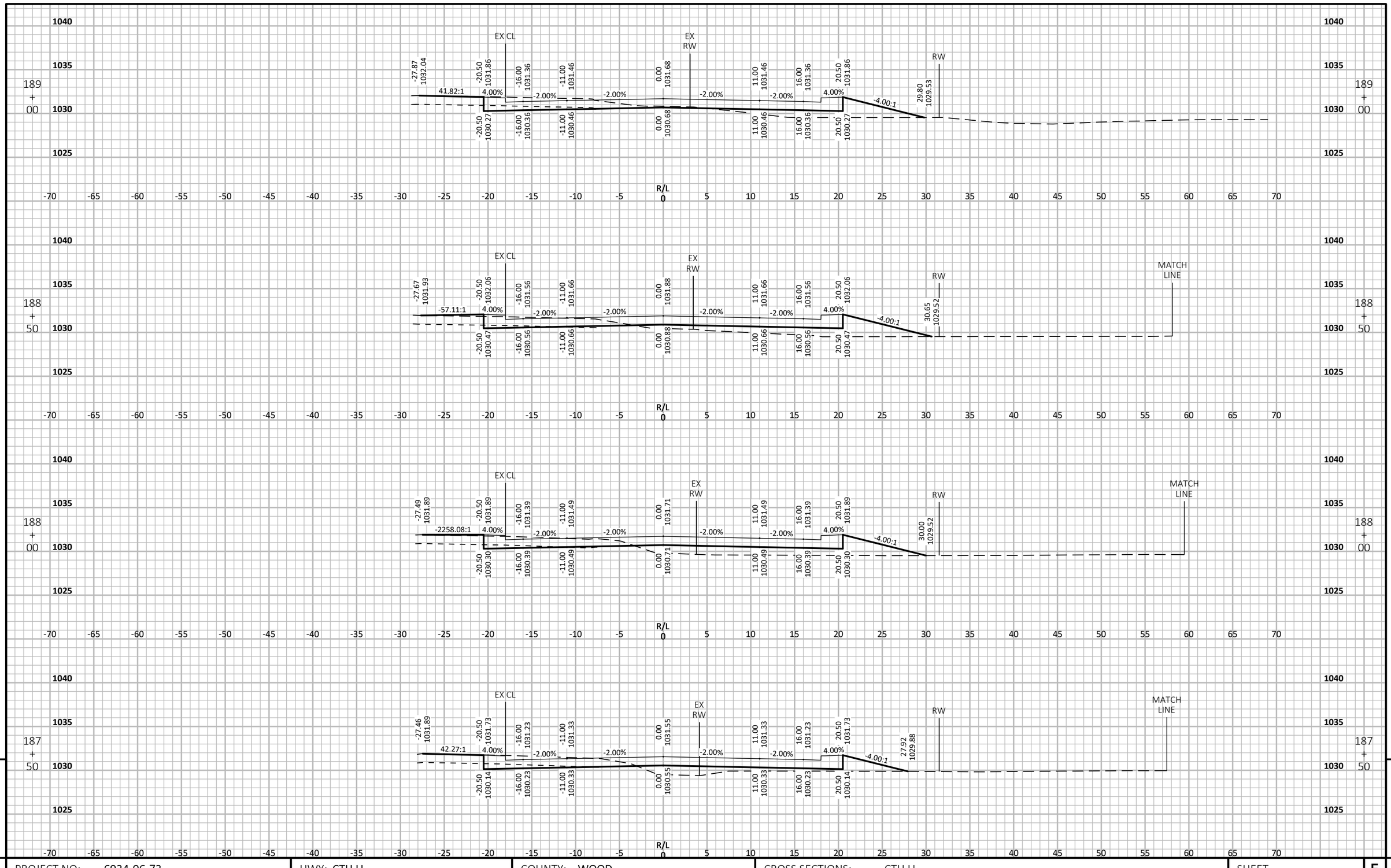
PLOT DATE : 10/10/2025 7:37 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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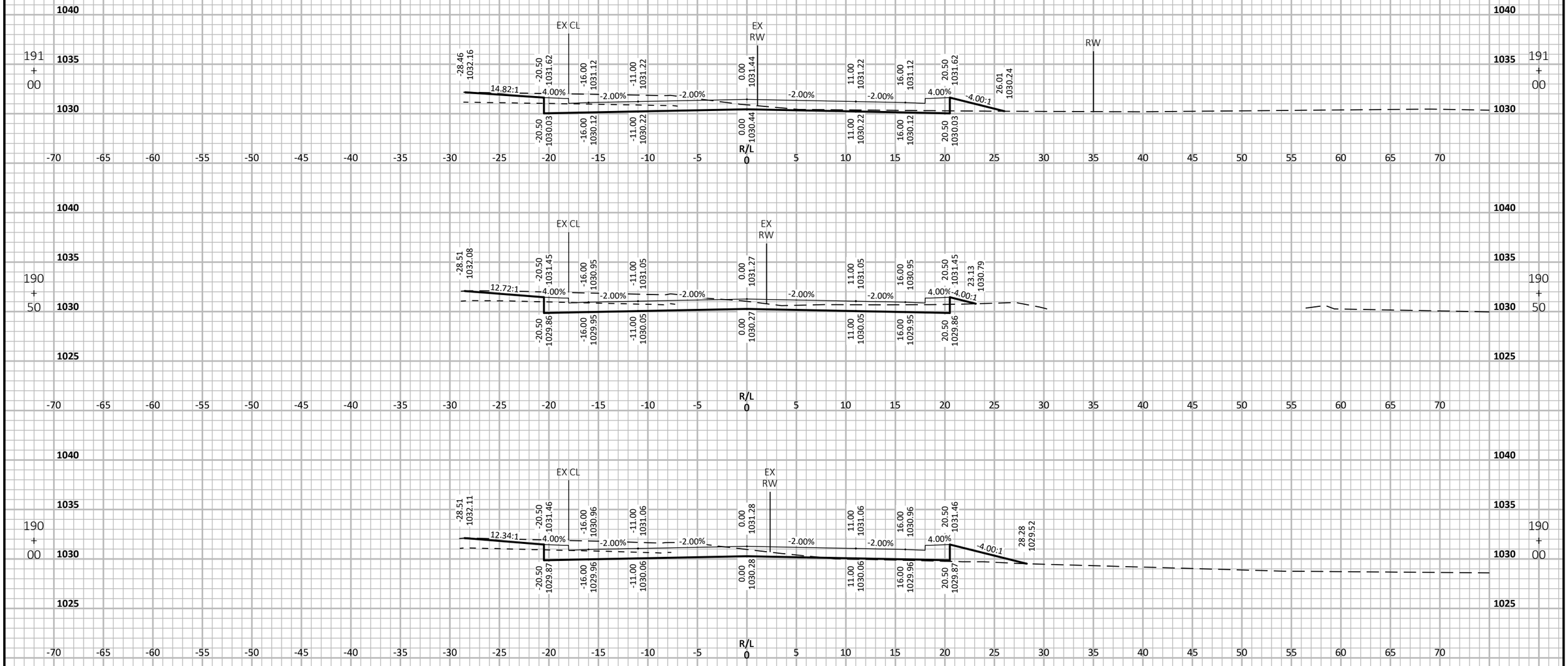
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 371	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090222-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



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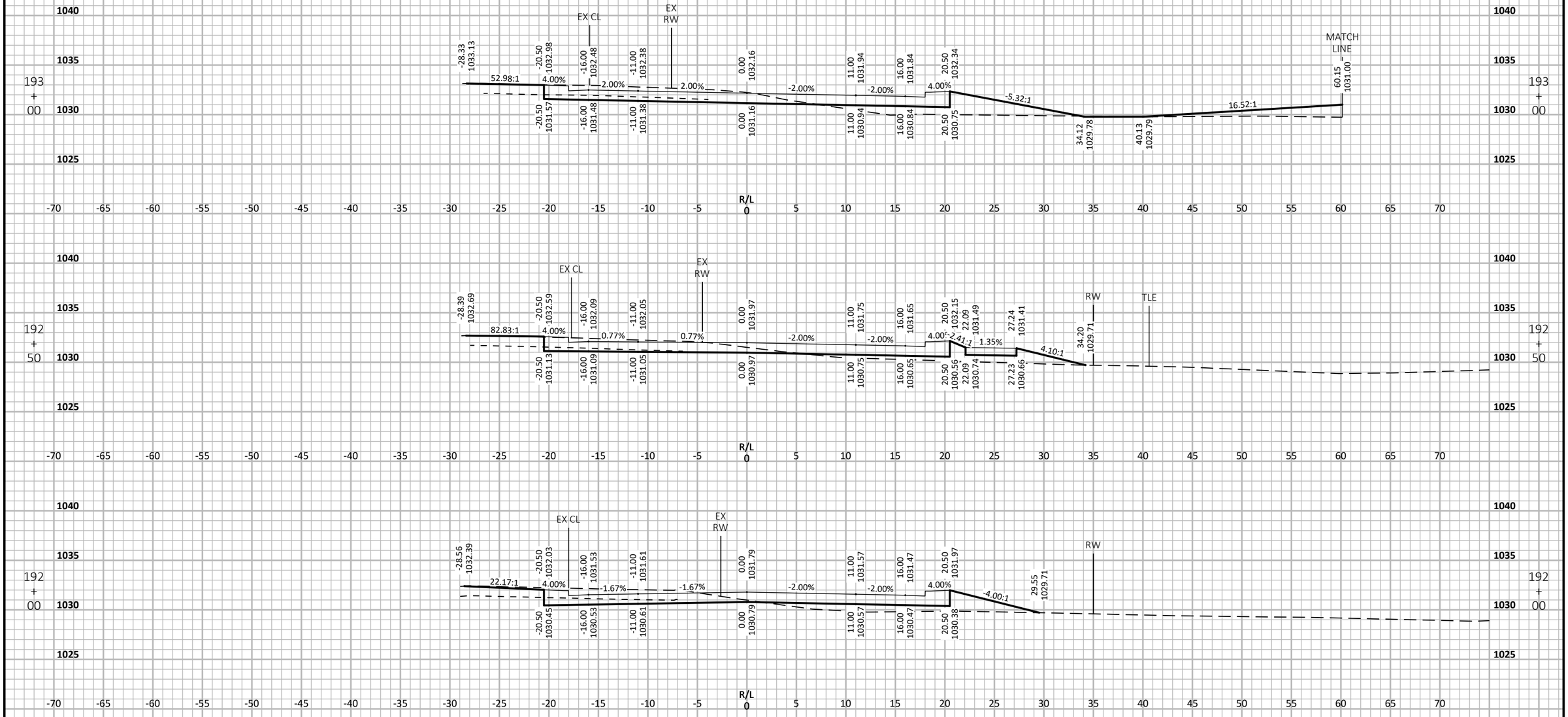
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 372	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090223-xs

PLOT DATE : 10/10/2025 7:37 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



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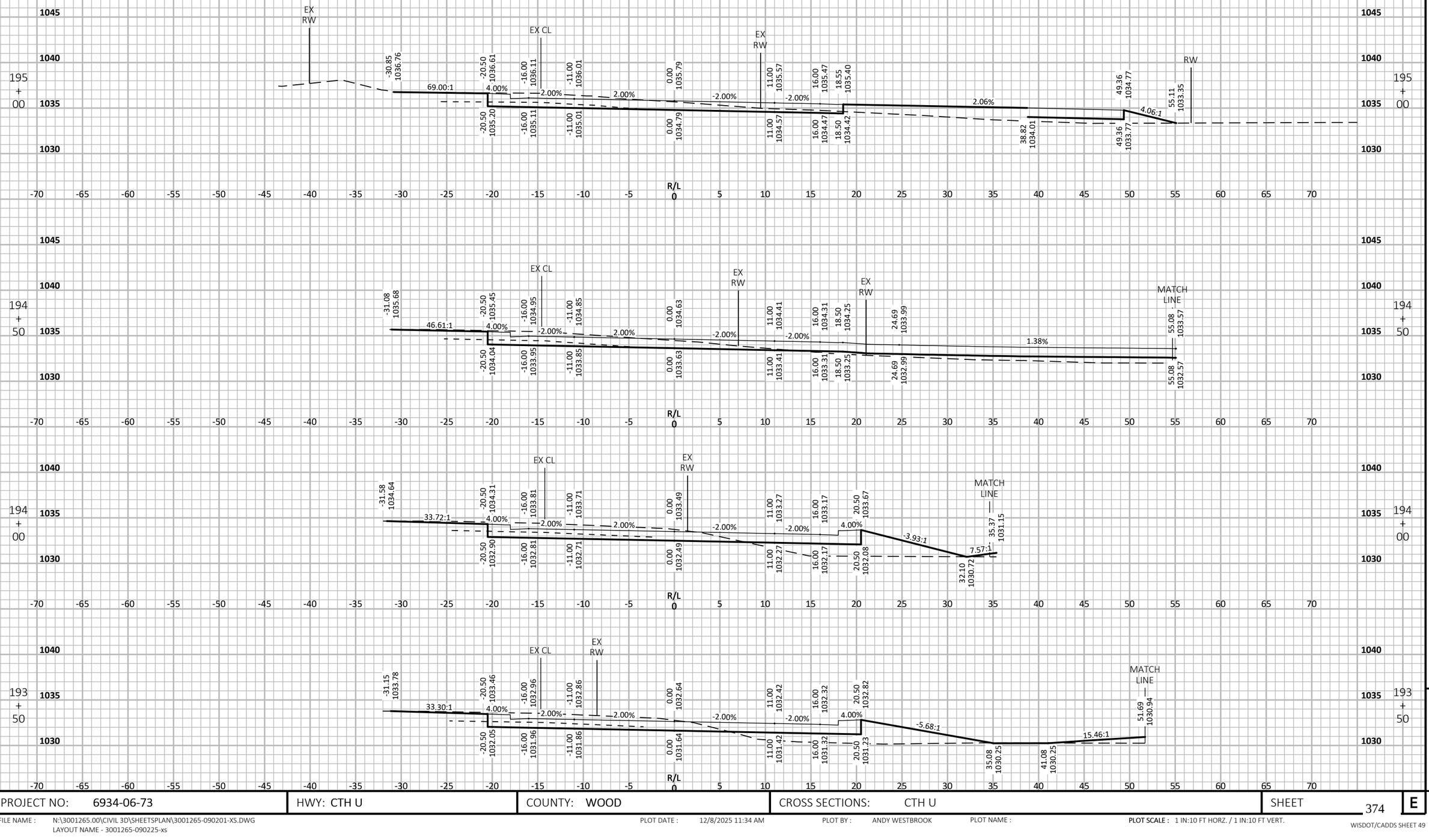
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 373	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090224-xs

PLOT DATE : 12/8/2025 11:34 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



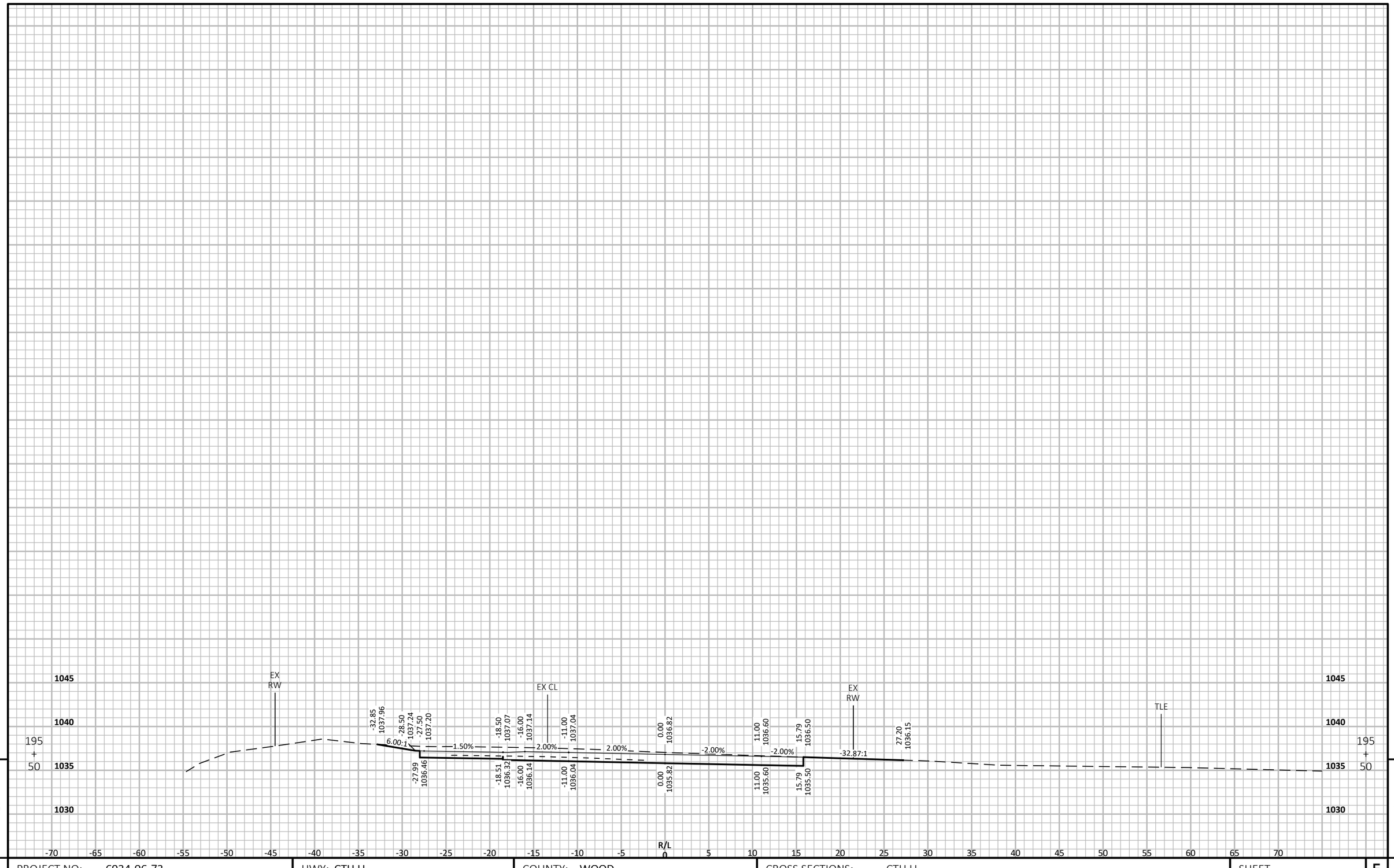
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 374	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090225-xs

PLOT DATE : 12/8/2025 11:34 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



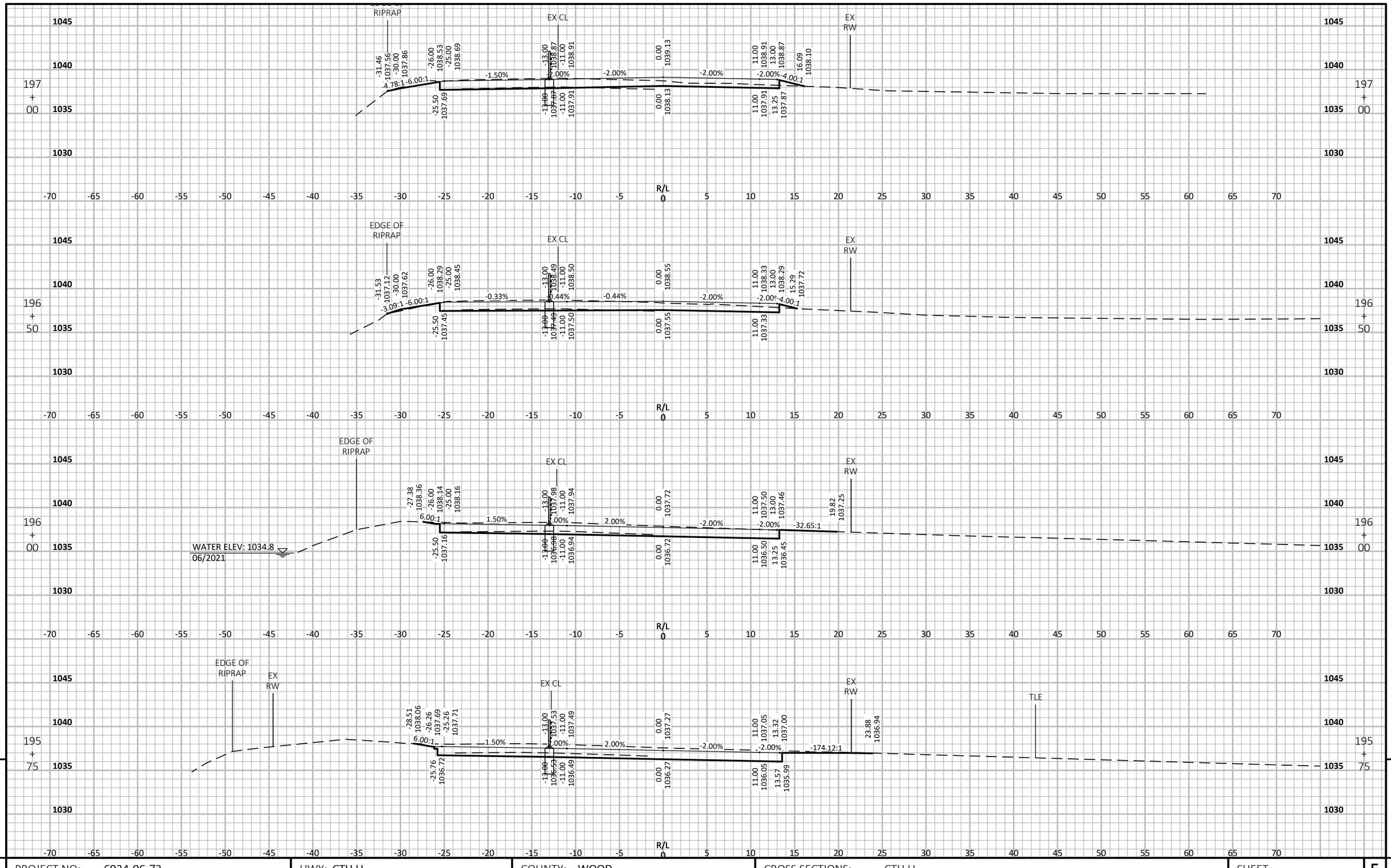
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 375	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090226-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

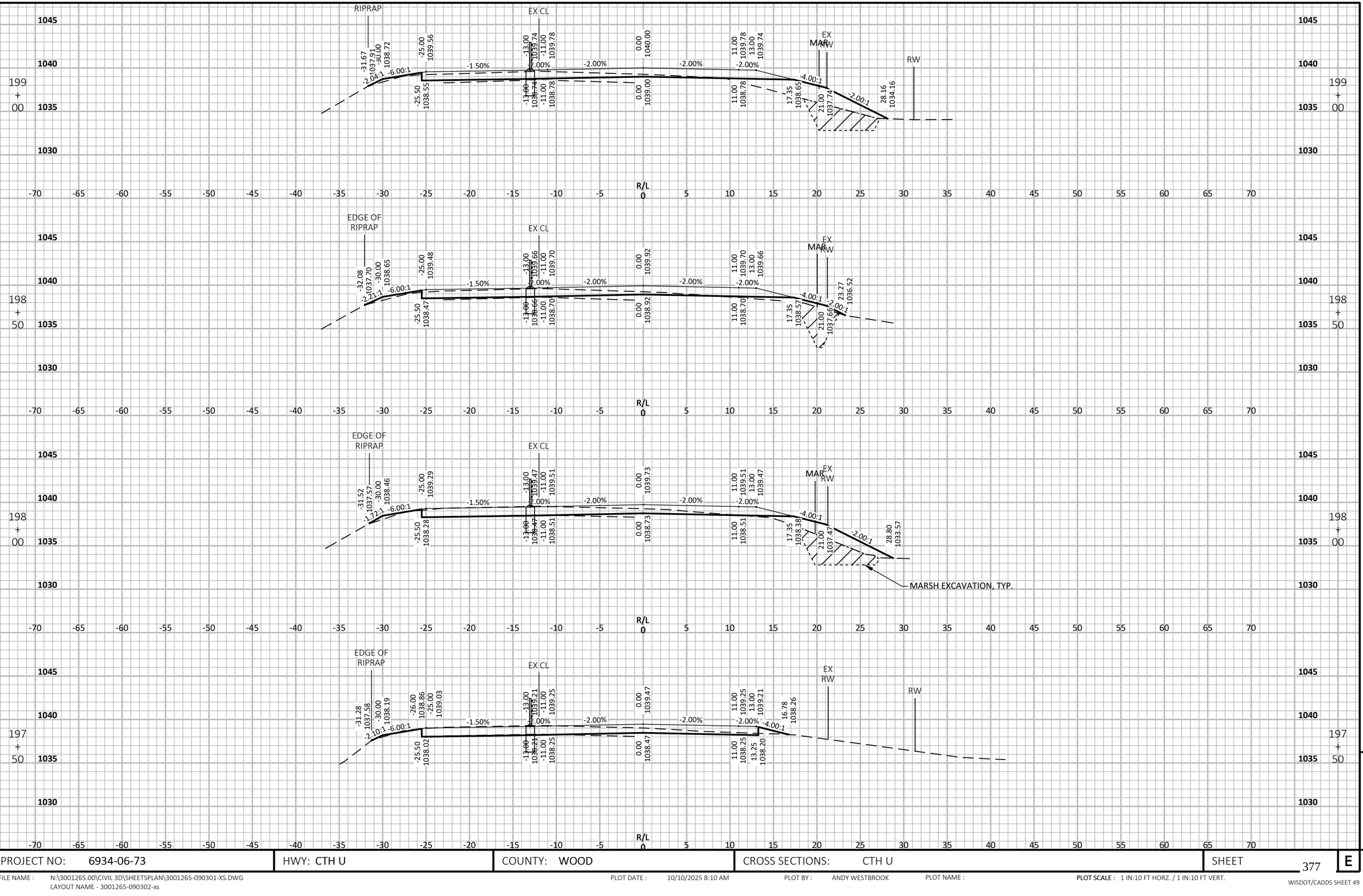


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 376	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090301-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 377	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090302-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49

9

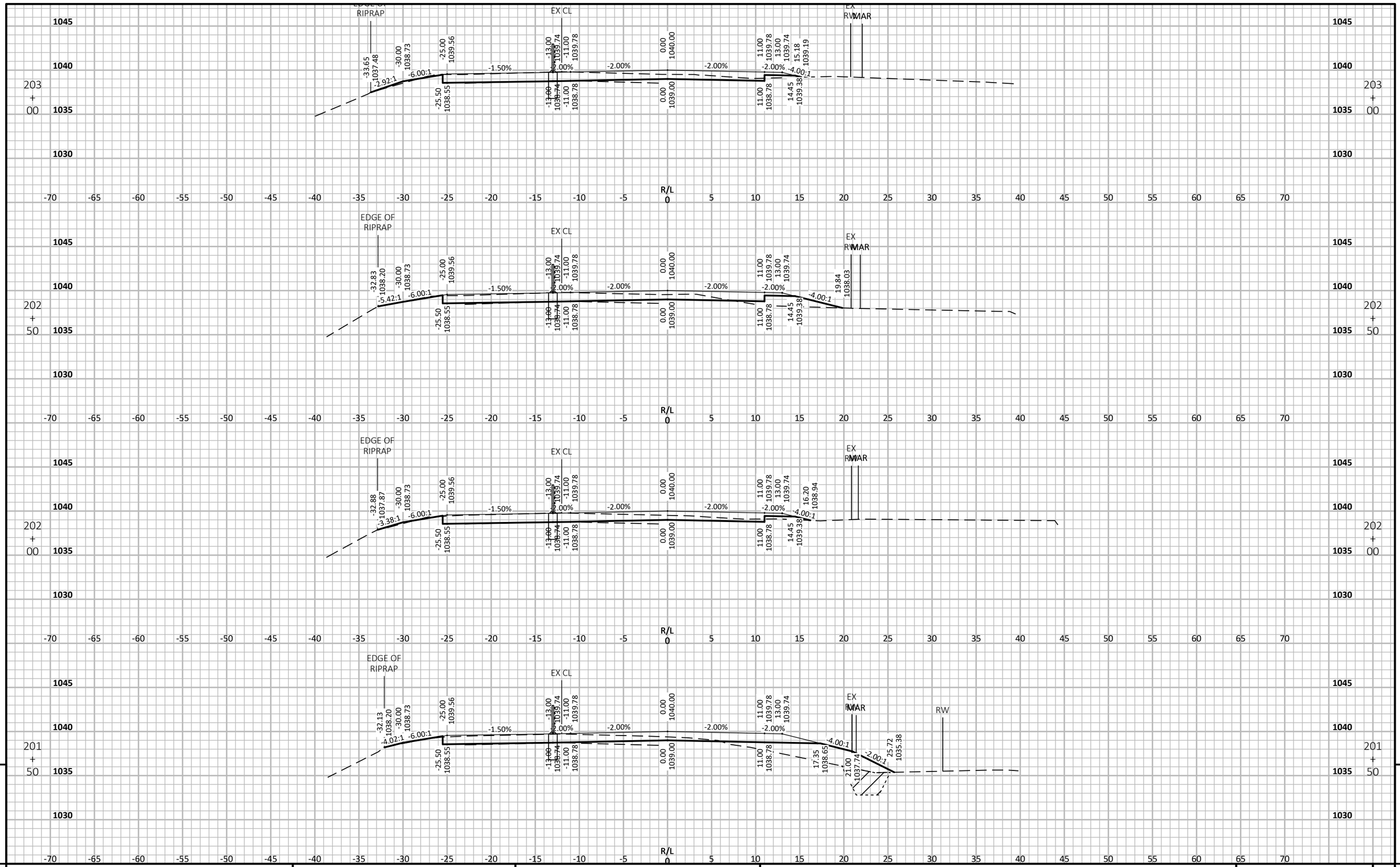
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 378	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090303-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49

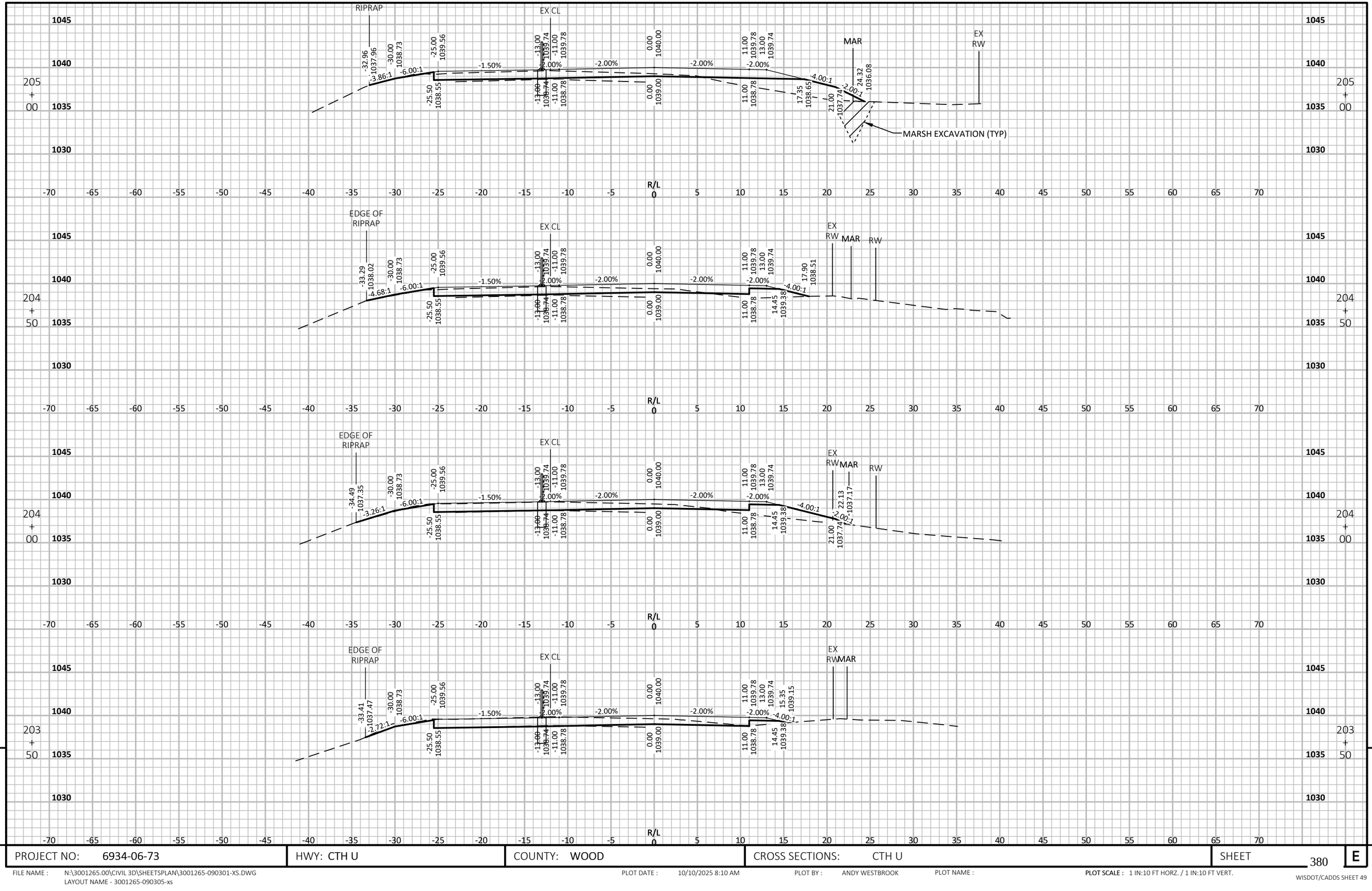


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 379	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090304-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 380	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090305-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 381	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090306-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

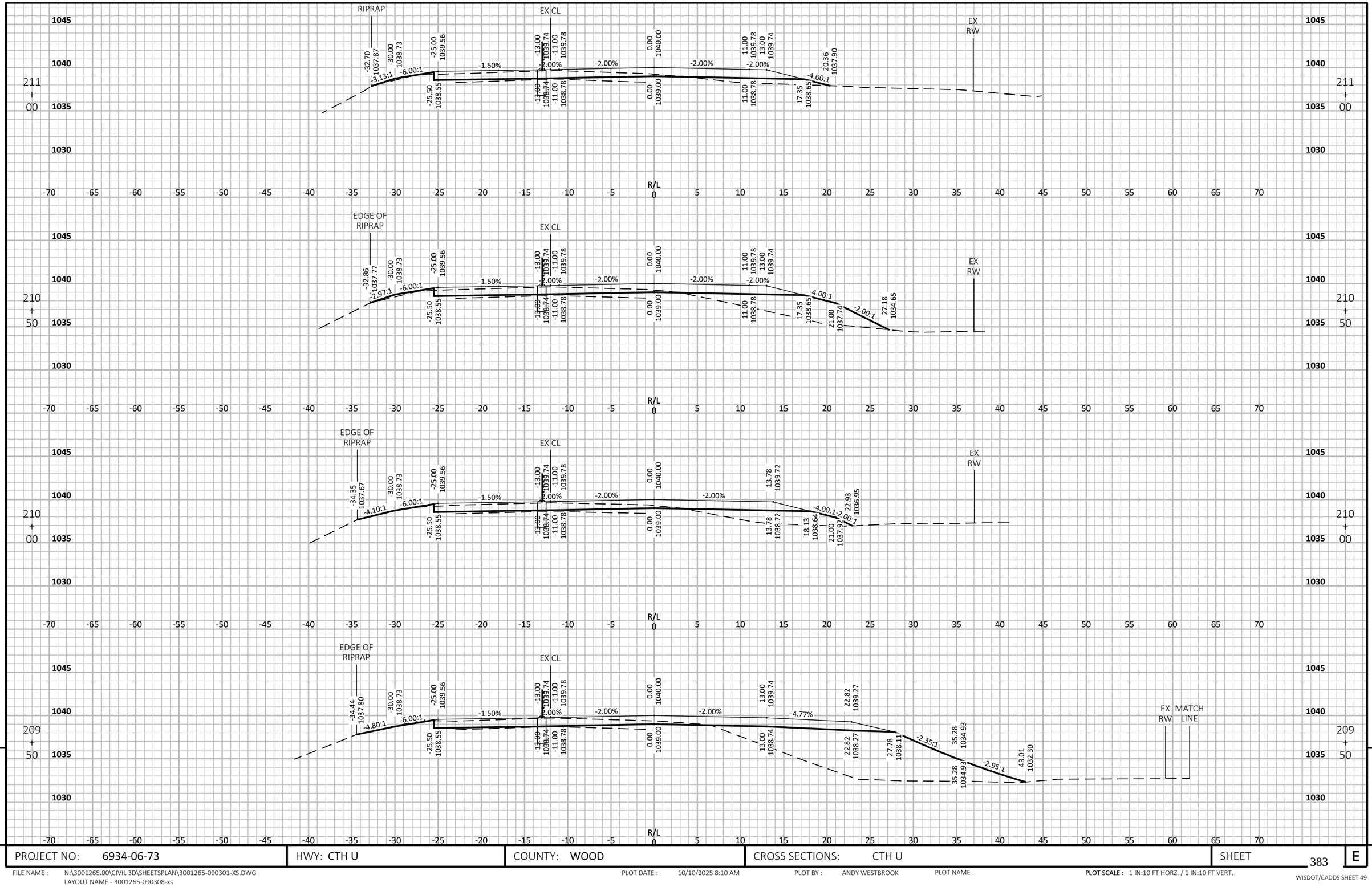
WISDOT/CADDS SHEET 49

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 382 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090307-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



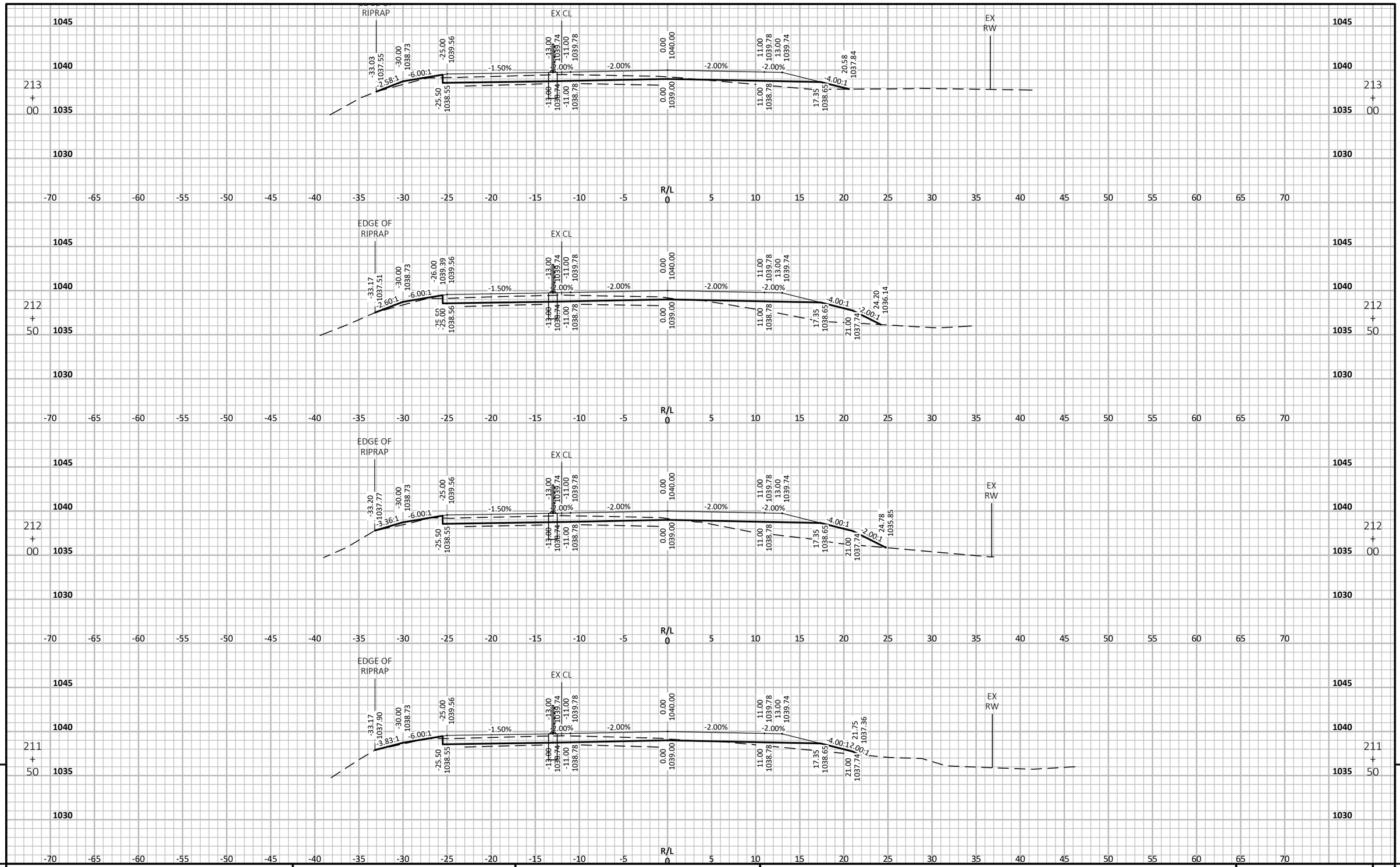
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 383	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090308-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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



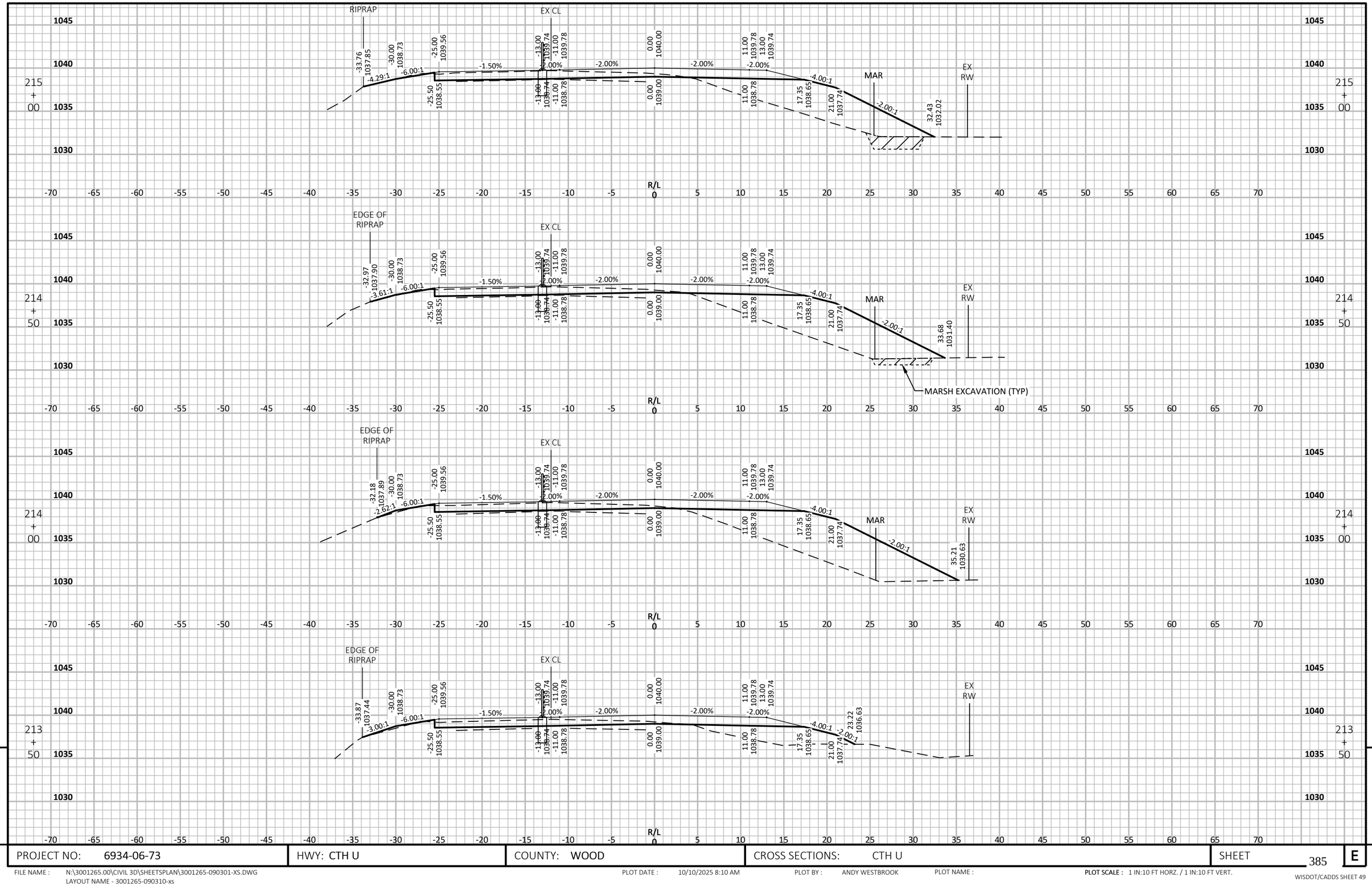
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 384	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090309-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 385 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090310-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

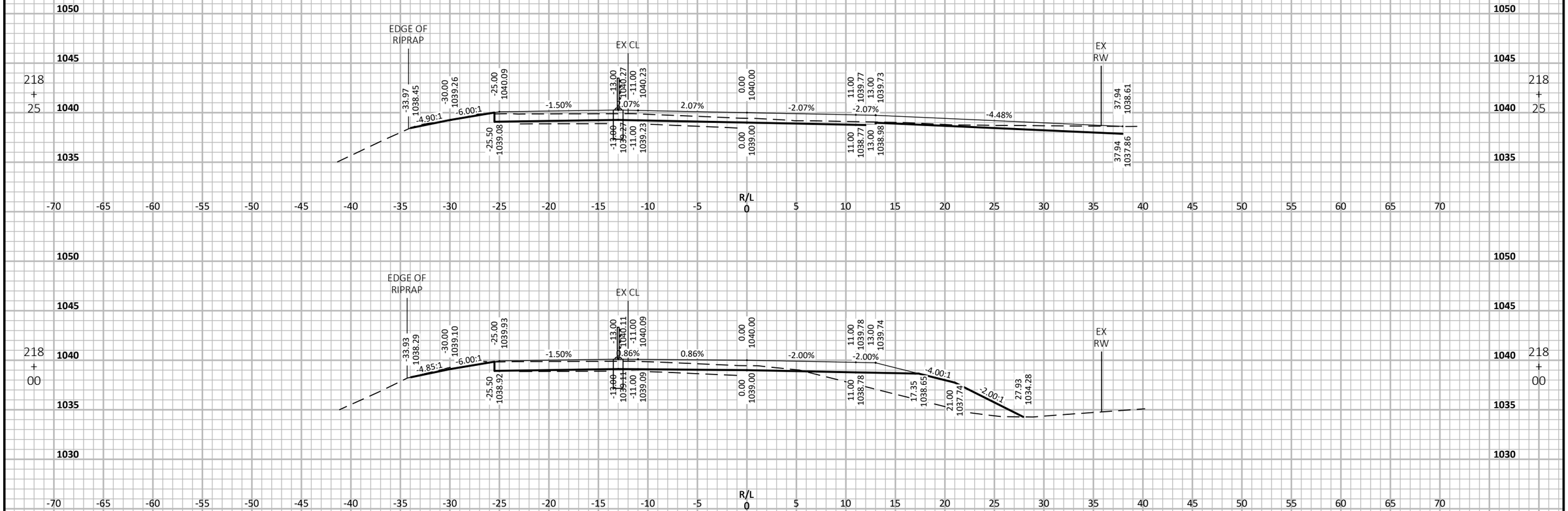
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 386	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090311-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



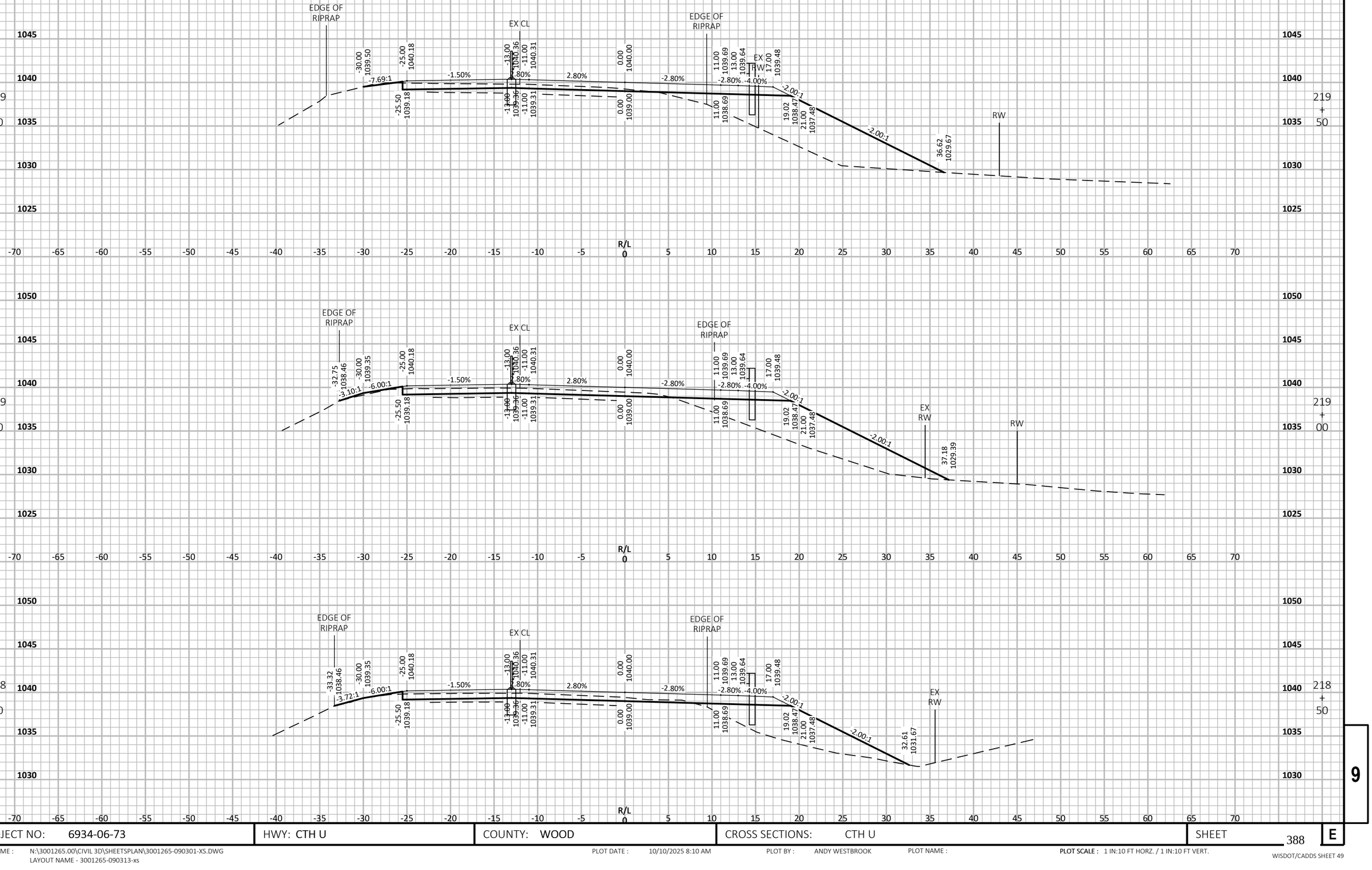
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 387	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090312-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

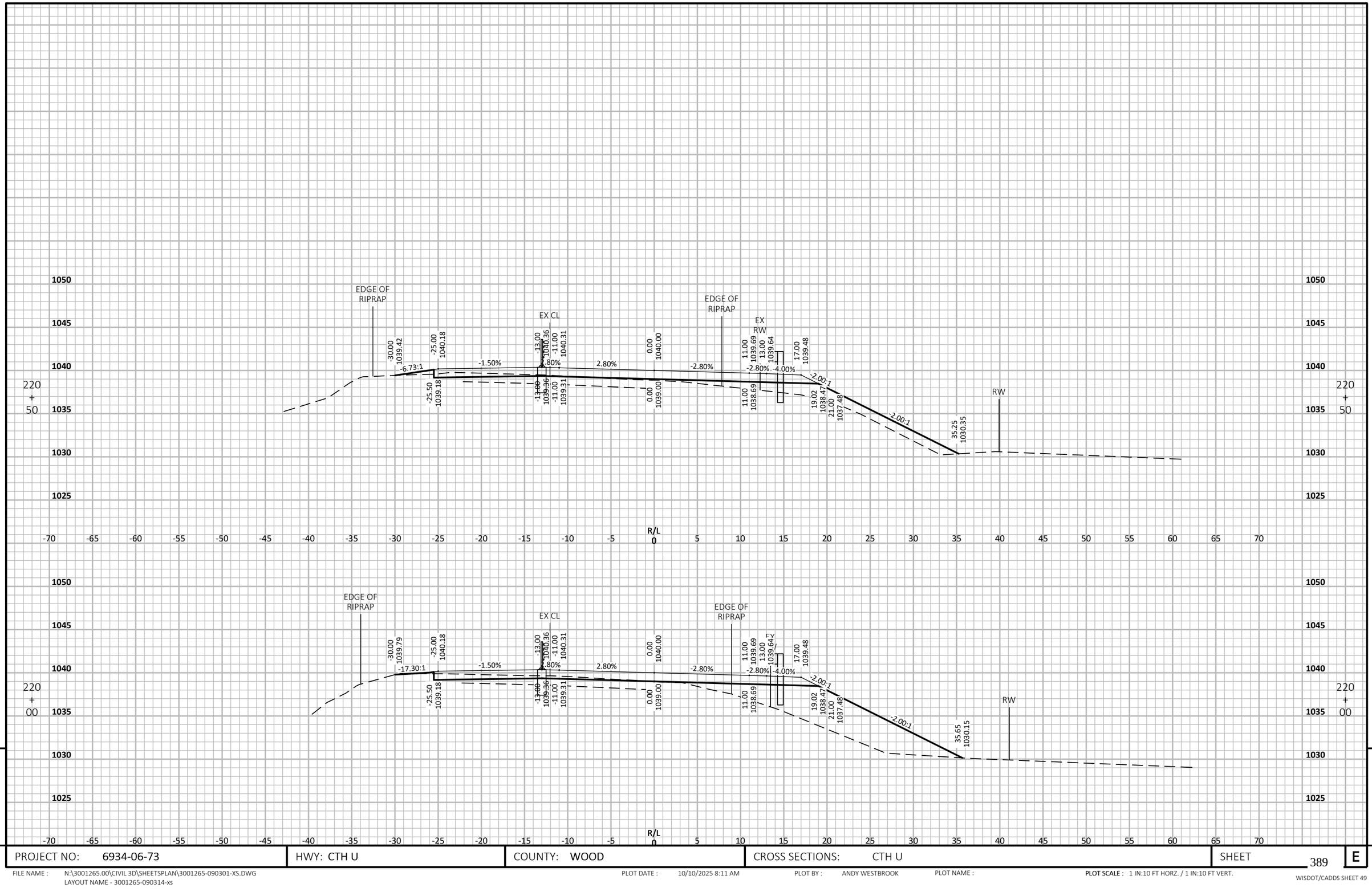


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 388 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090313-xs

PLOT DATE : 10/10/2025 8:10 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

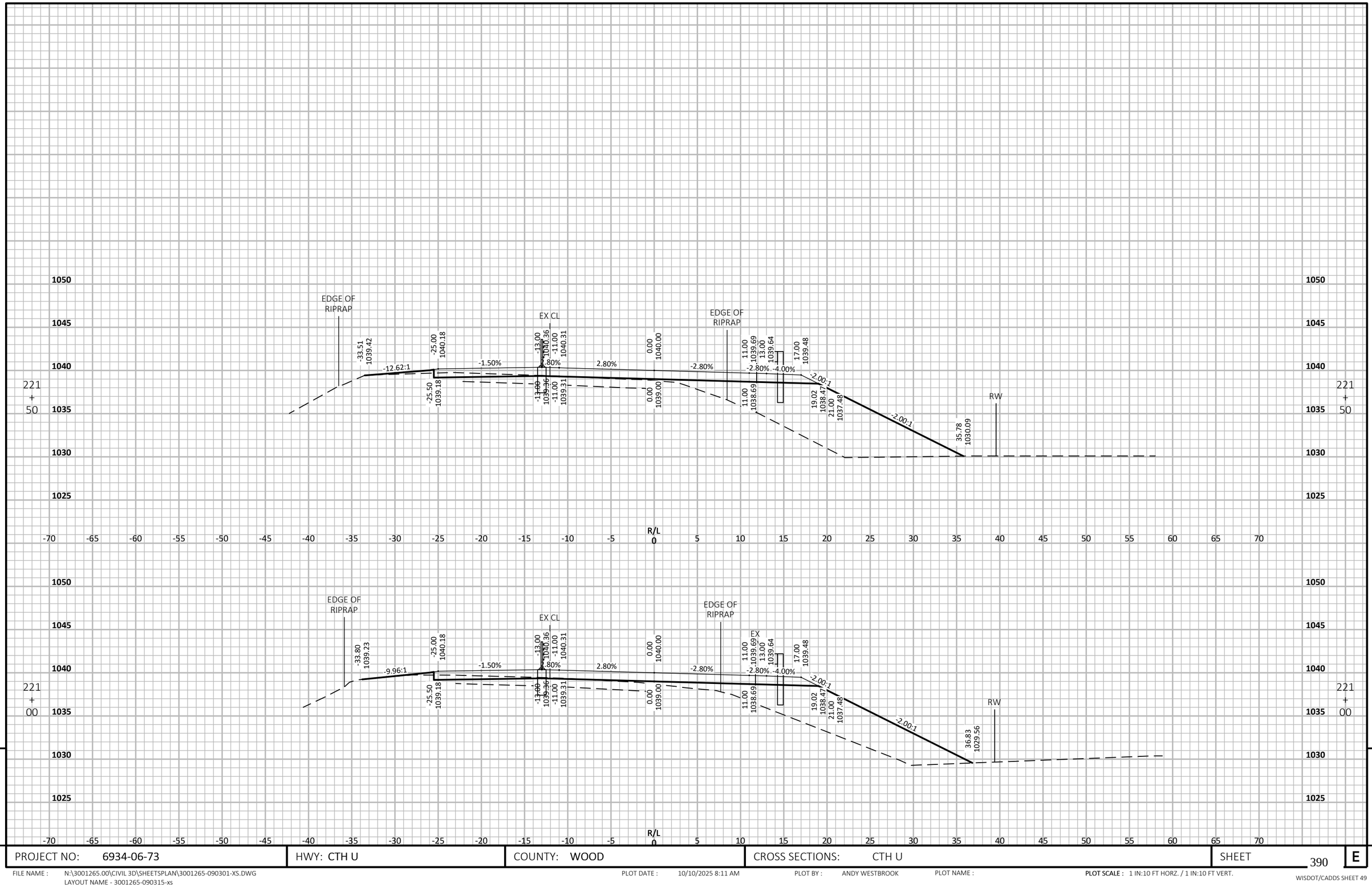
WISDOT/CADDS SHEET 49



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 389	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090314-xs

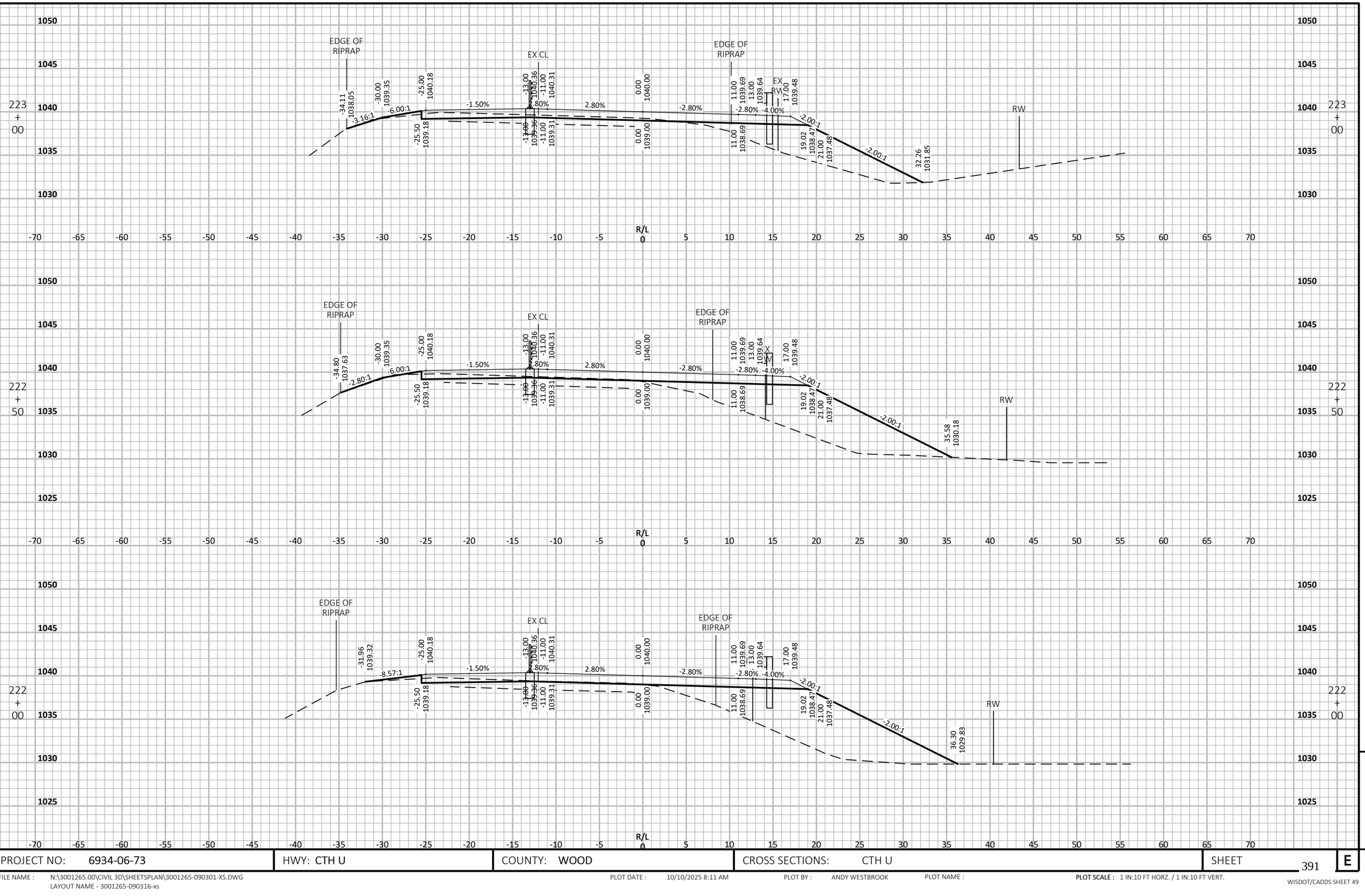
PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 390	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090315-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

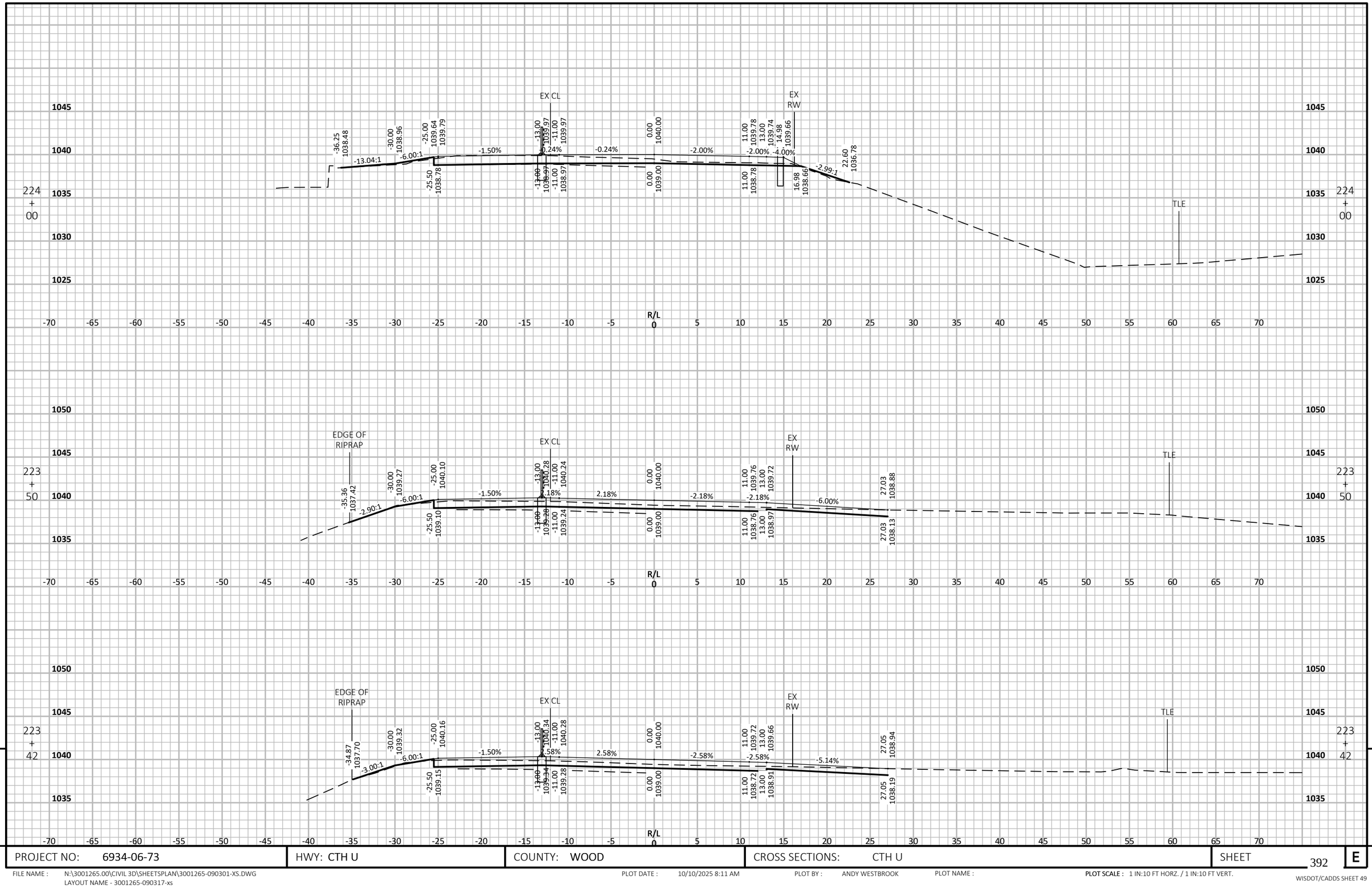


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 391 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090316-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

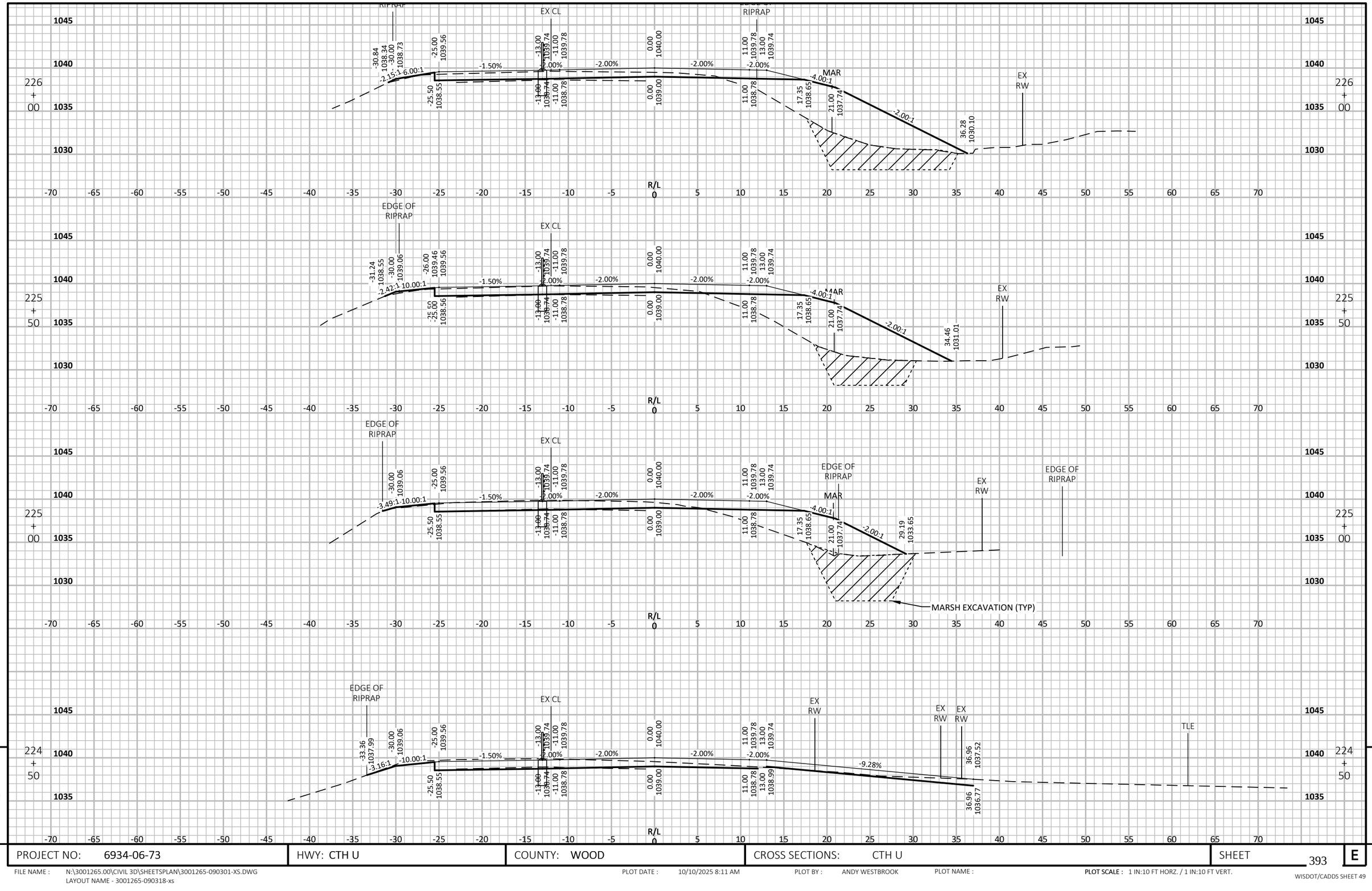


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 392	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090317-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 393	E

9

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090318-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

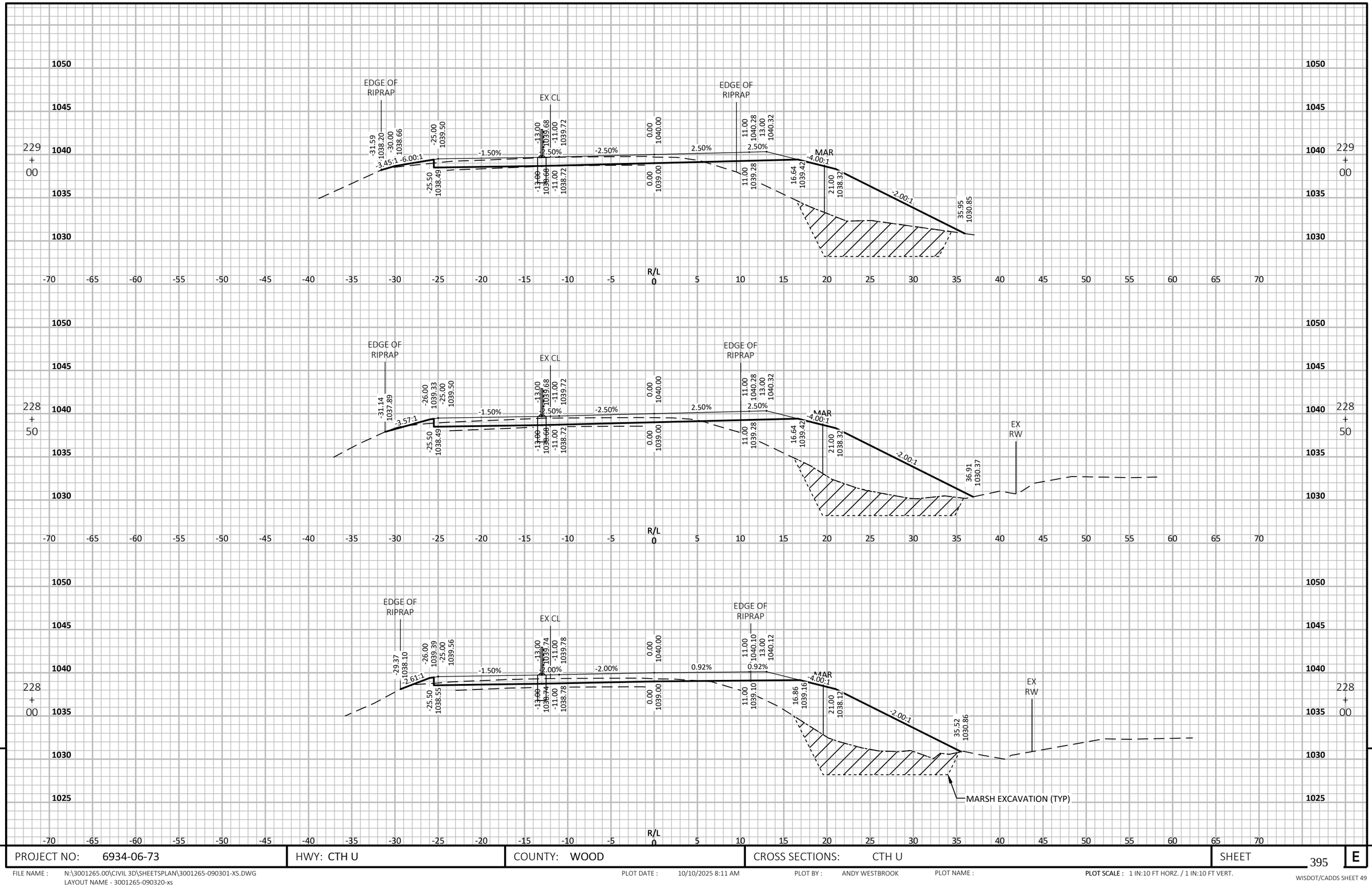
WISDOT/CADDS SHEET 49

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 394 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090319-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 395	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090320-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 396	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090321-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

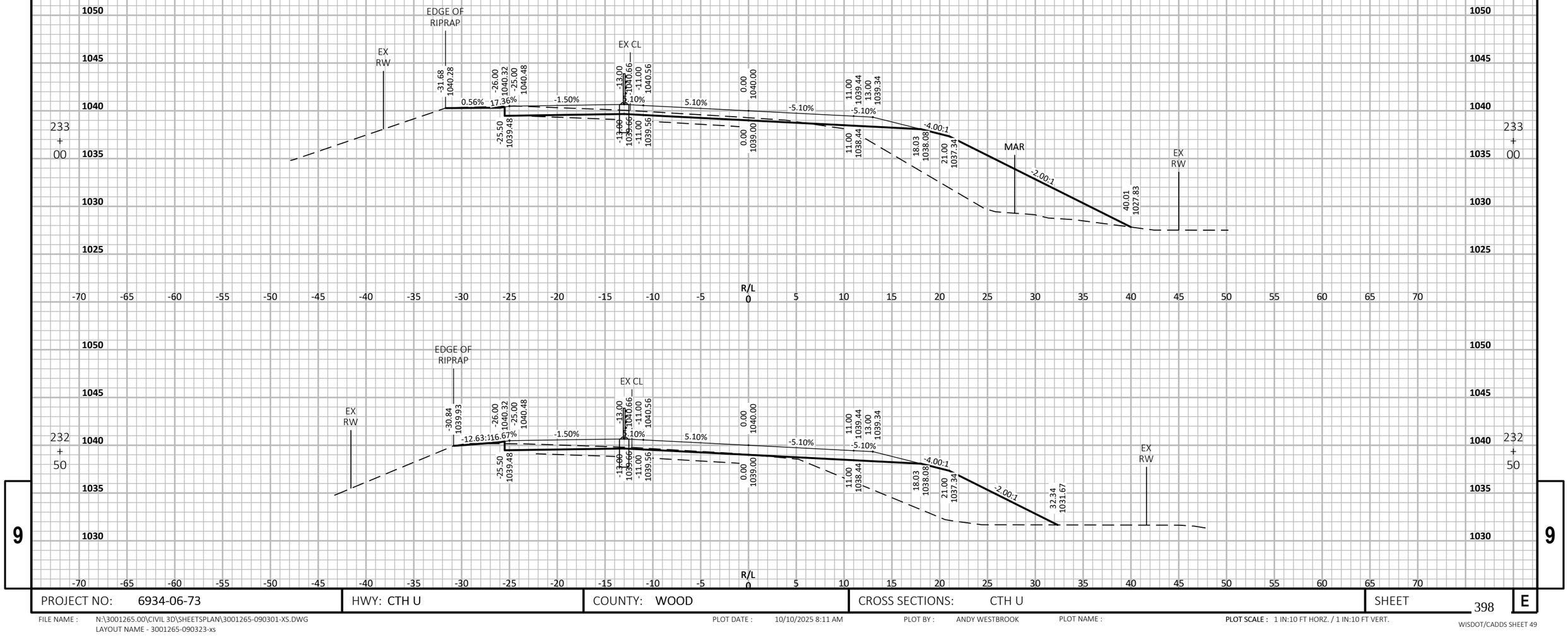
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 397	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090322-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



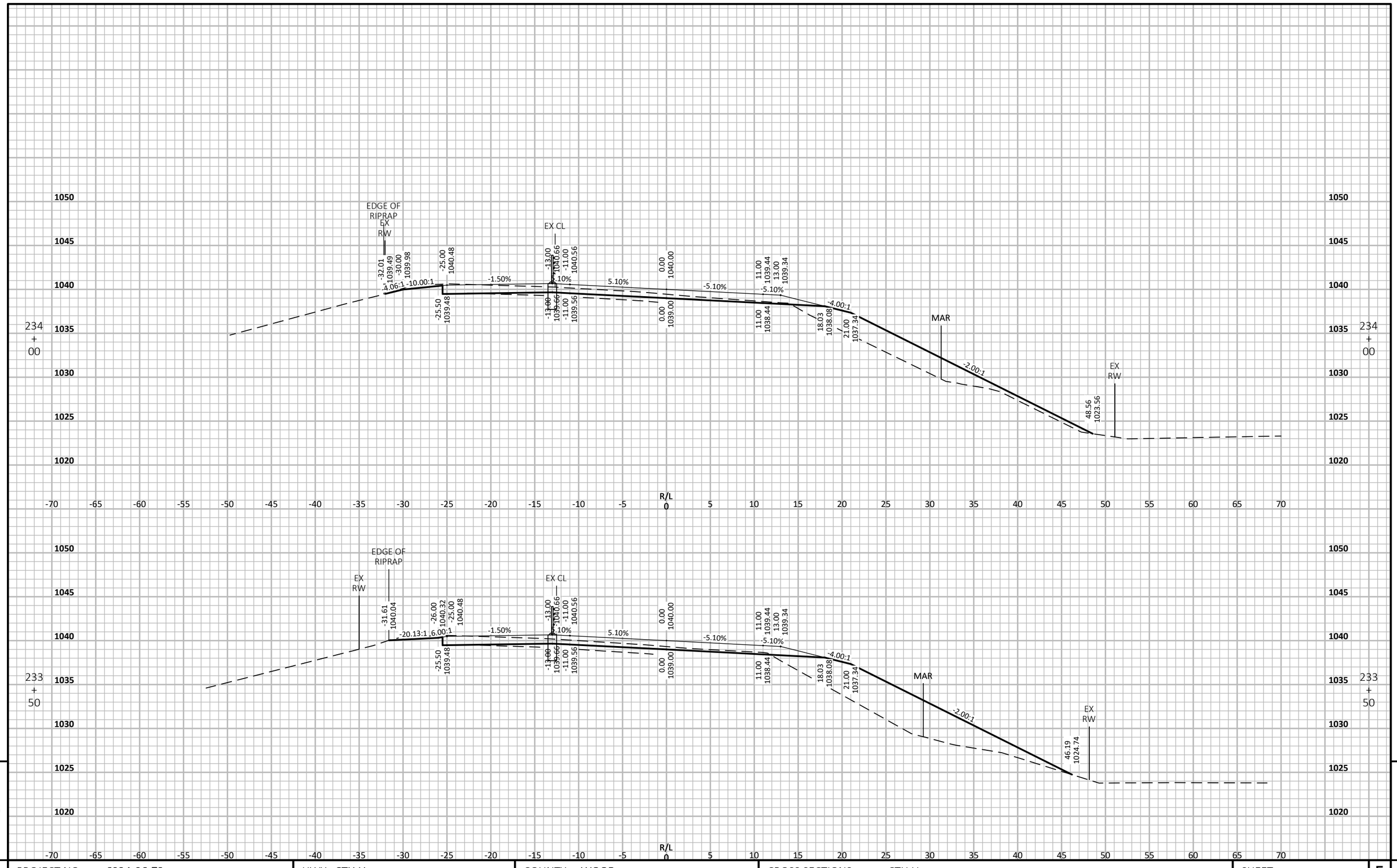
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 398	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090323-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



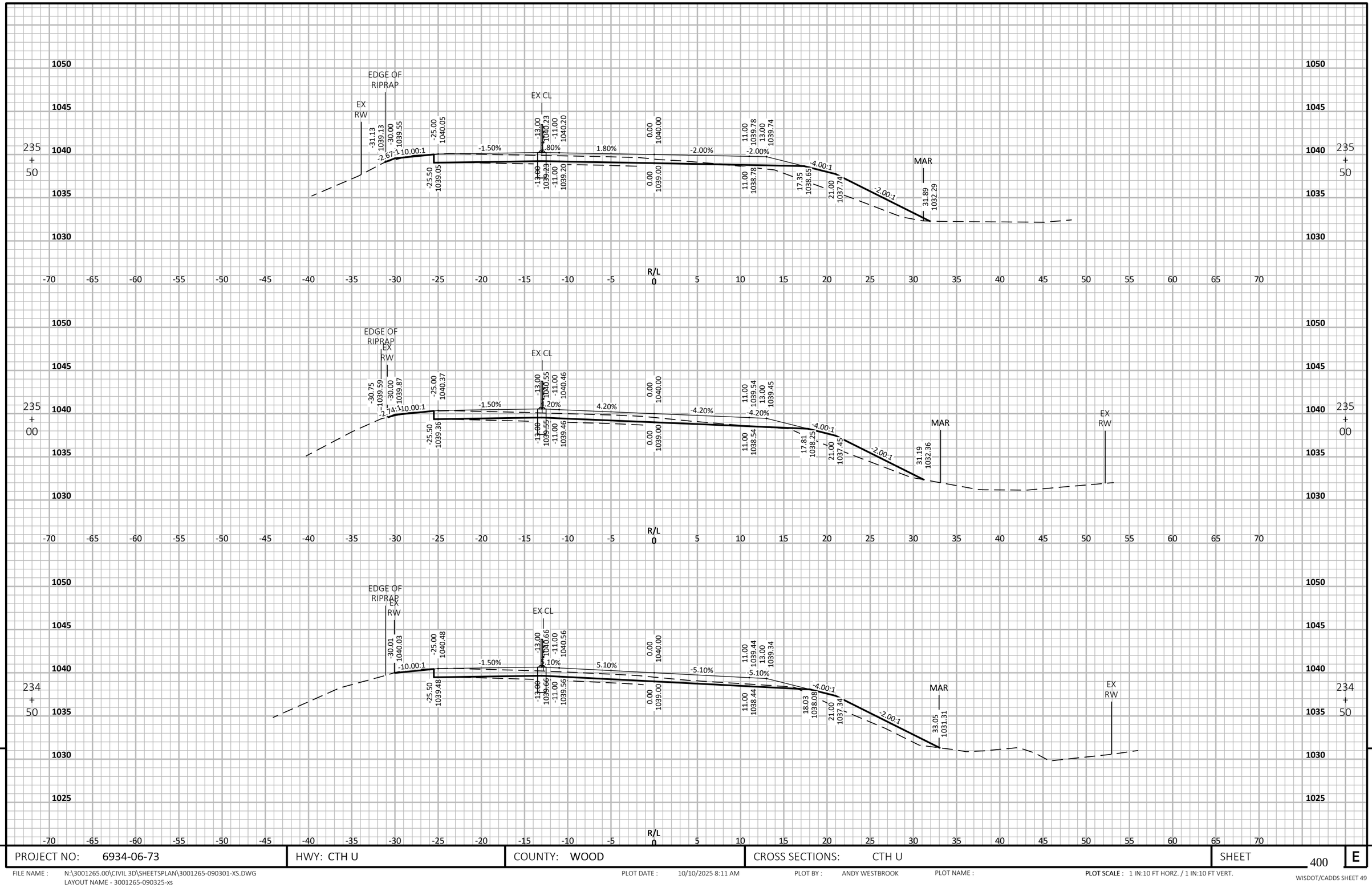
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 399	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090324-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



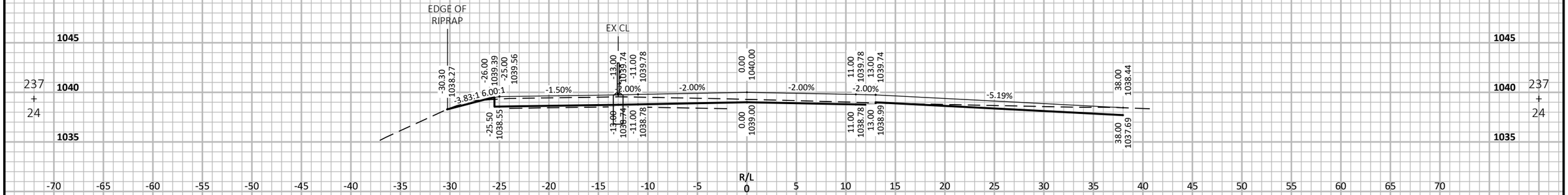
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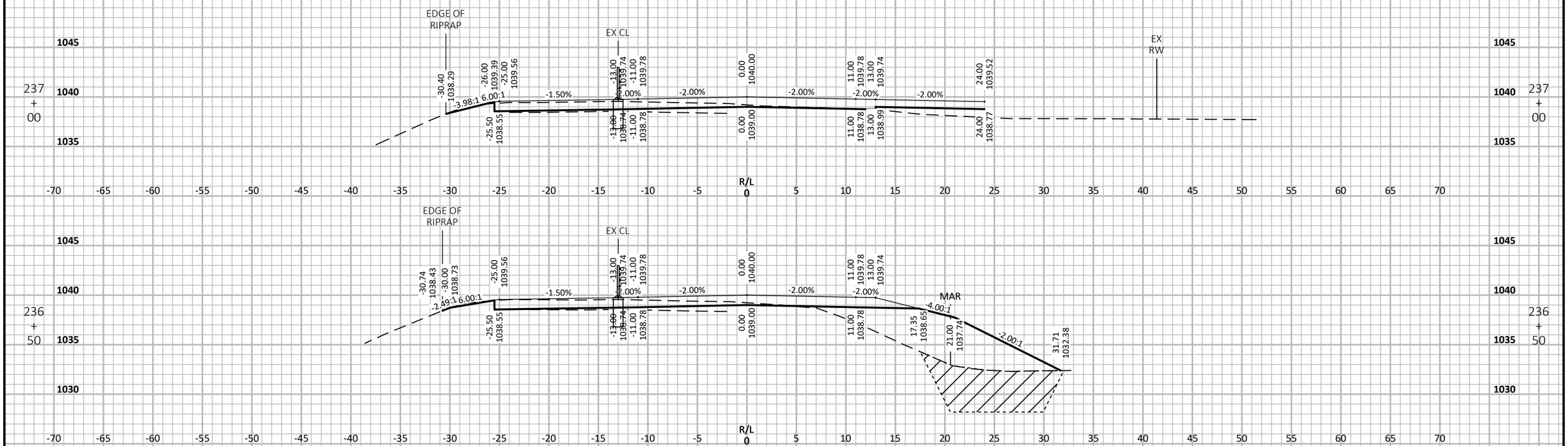
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 400	E

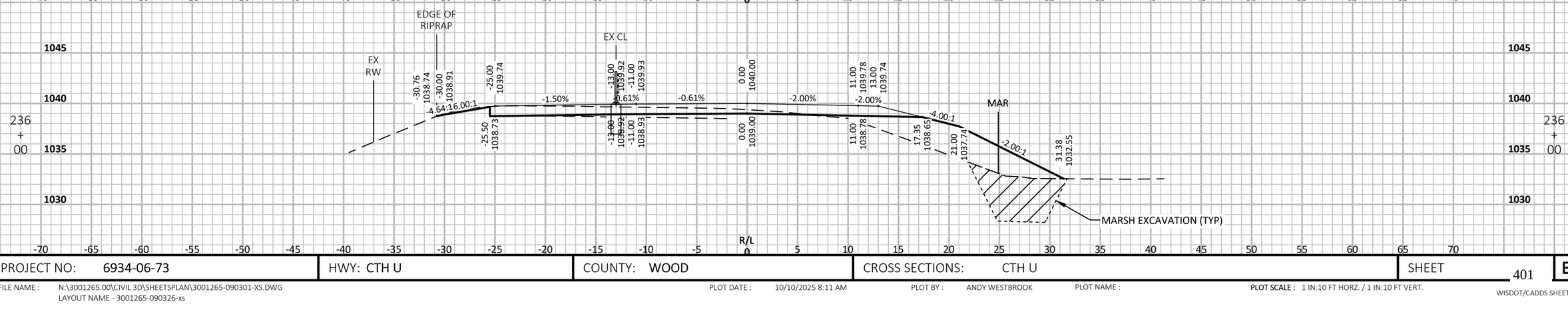
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090325-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

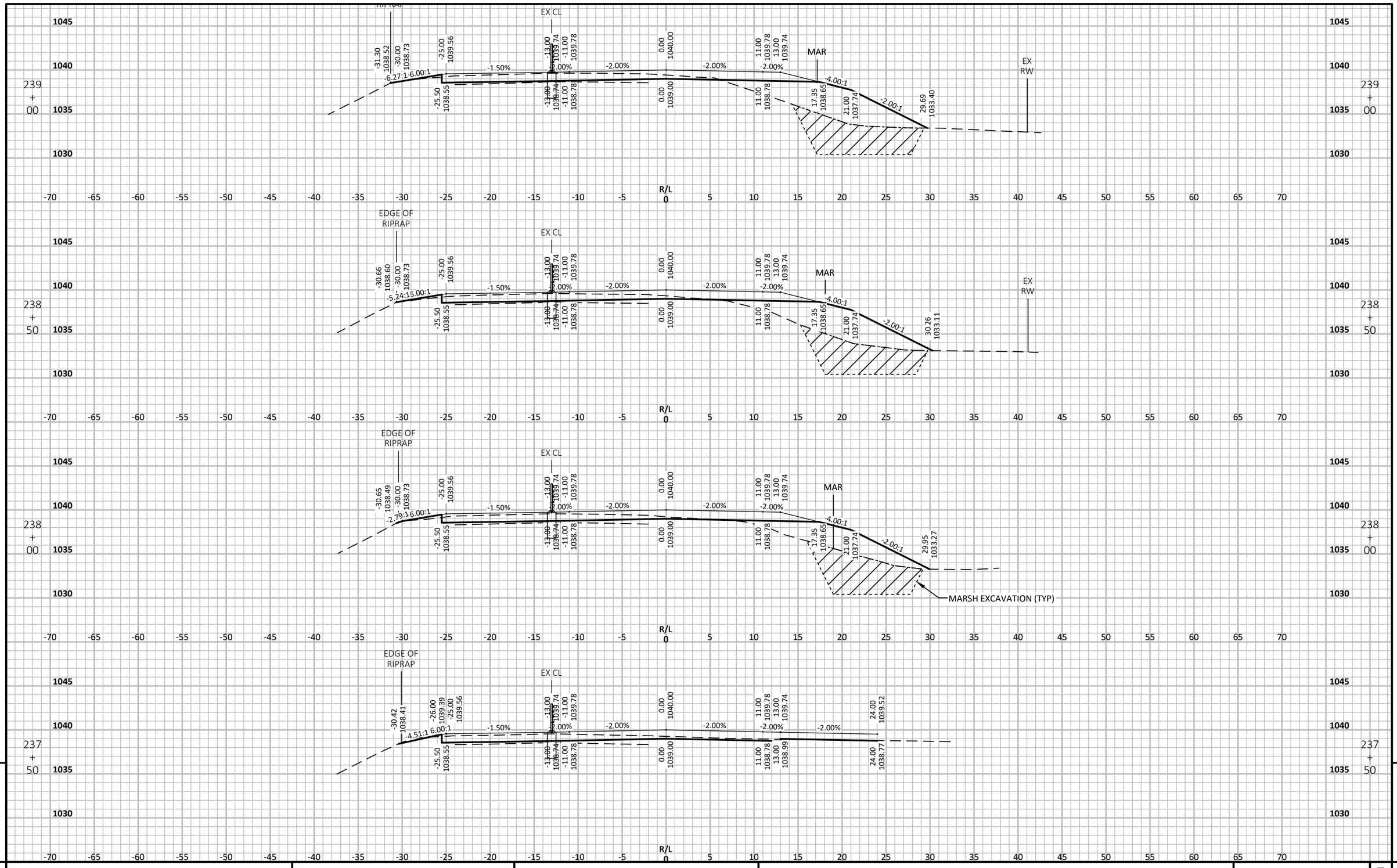
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 401	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090326-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

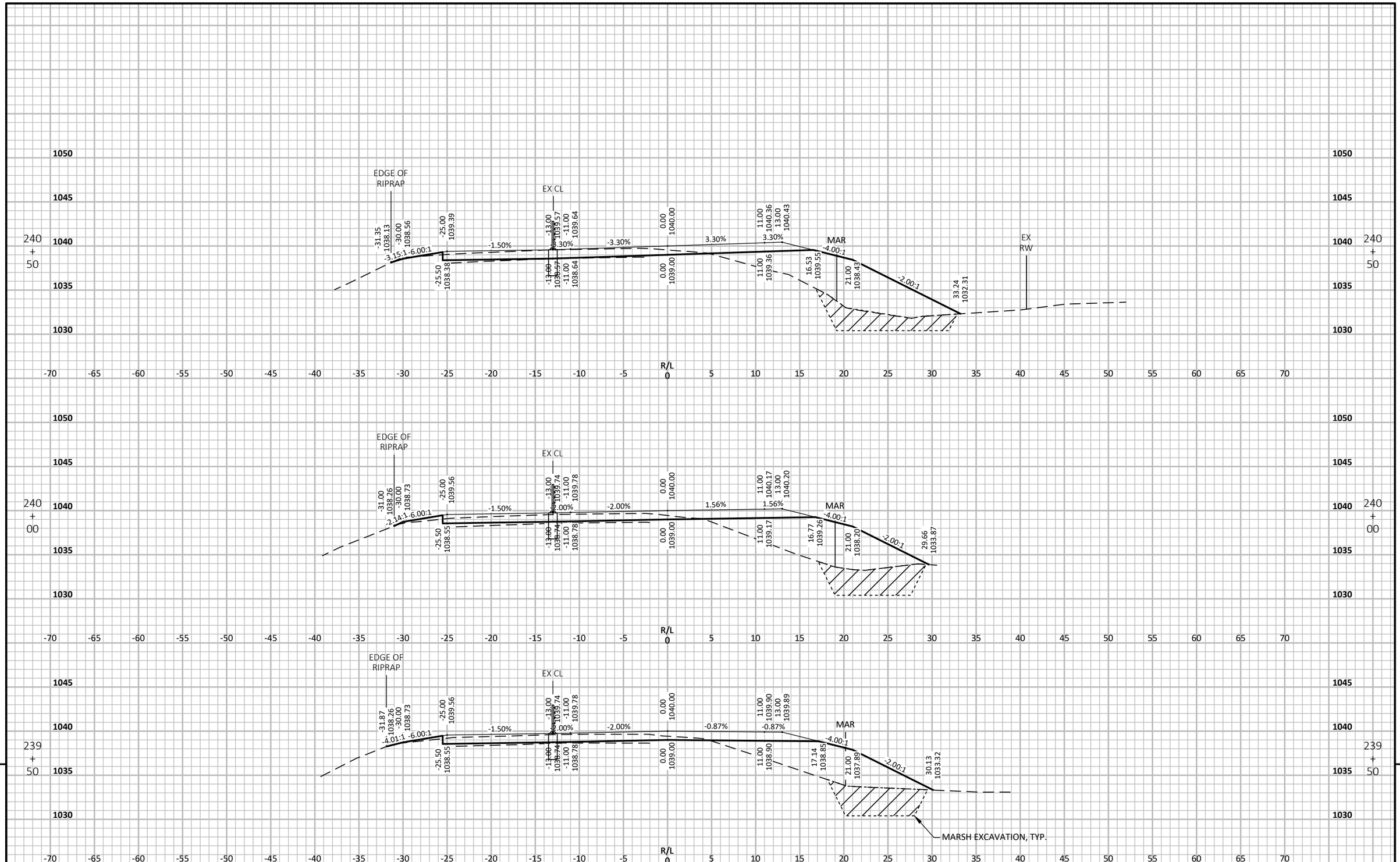


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 402 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090327-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 403 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090328-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 404	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090329-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 405	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090330-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 406 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090331-xs

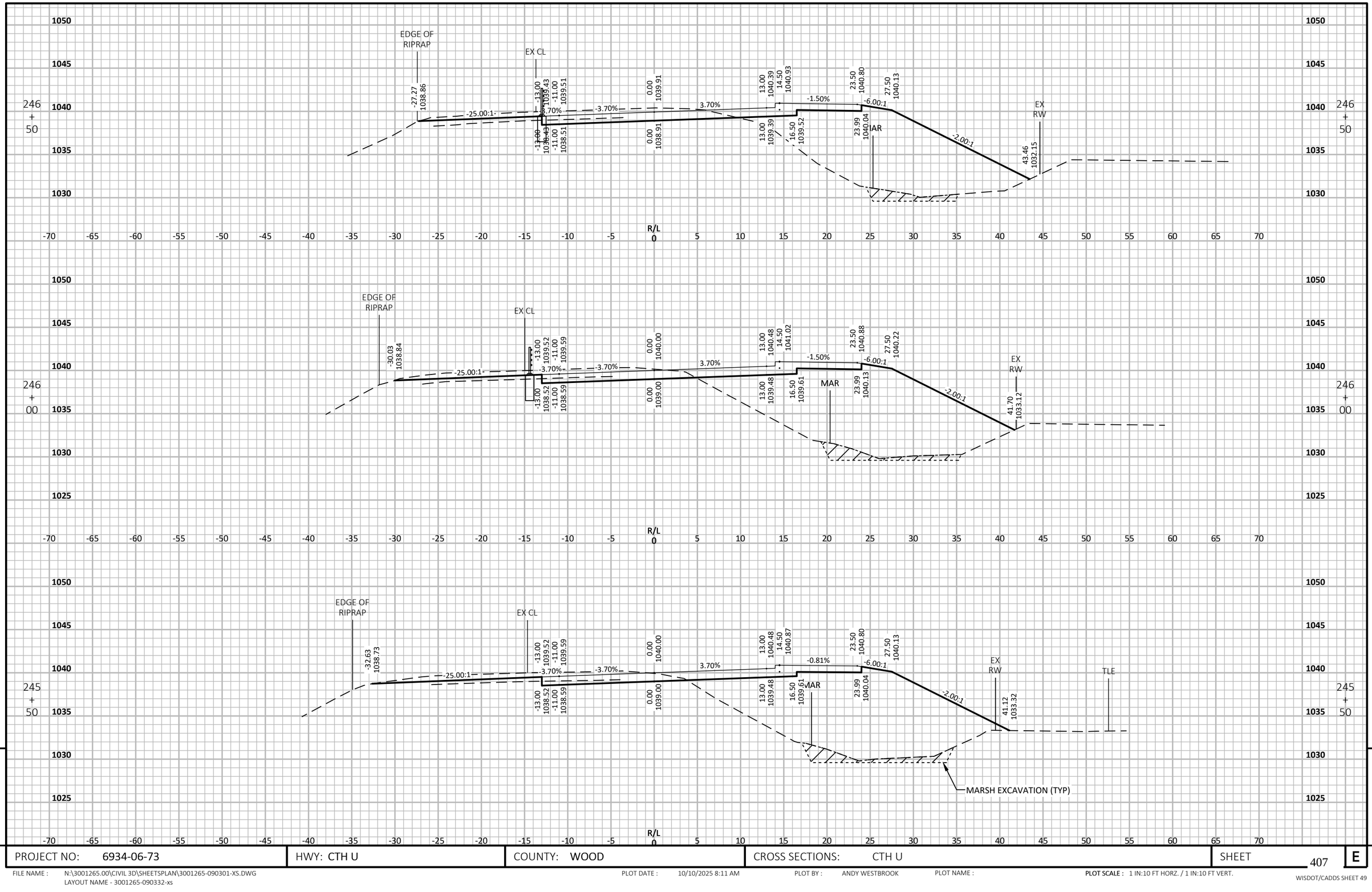
PLOT DATE : 10/10/2025 8:11 AM

PLOT BY : ANDY WESTBROOK

PLOT NAME :

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

WISDOT/CADDS SHEET 49



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 407	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090332-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 408	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090333-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 409	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090334-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

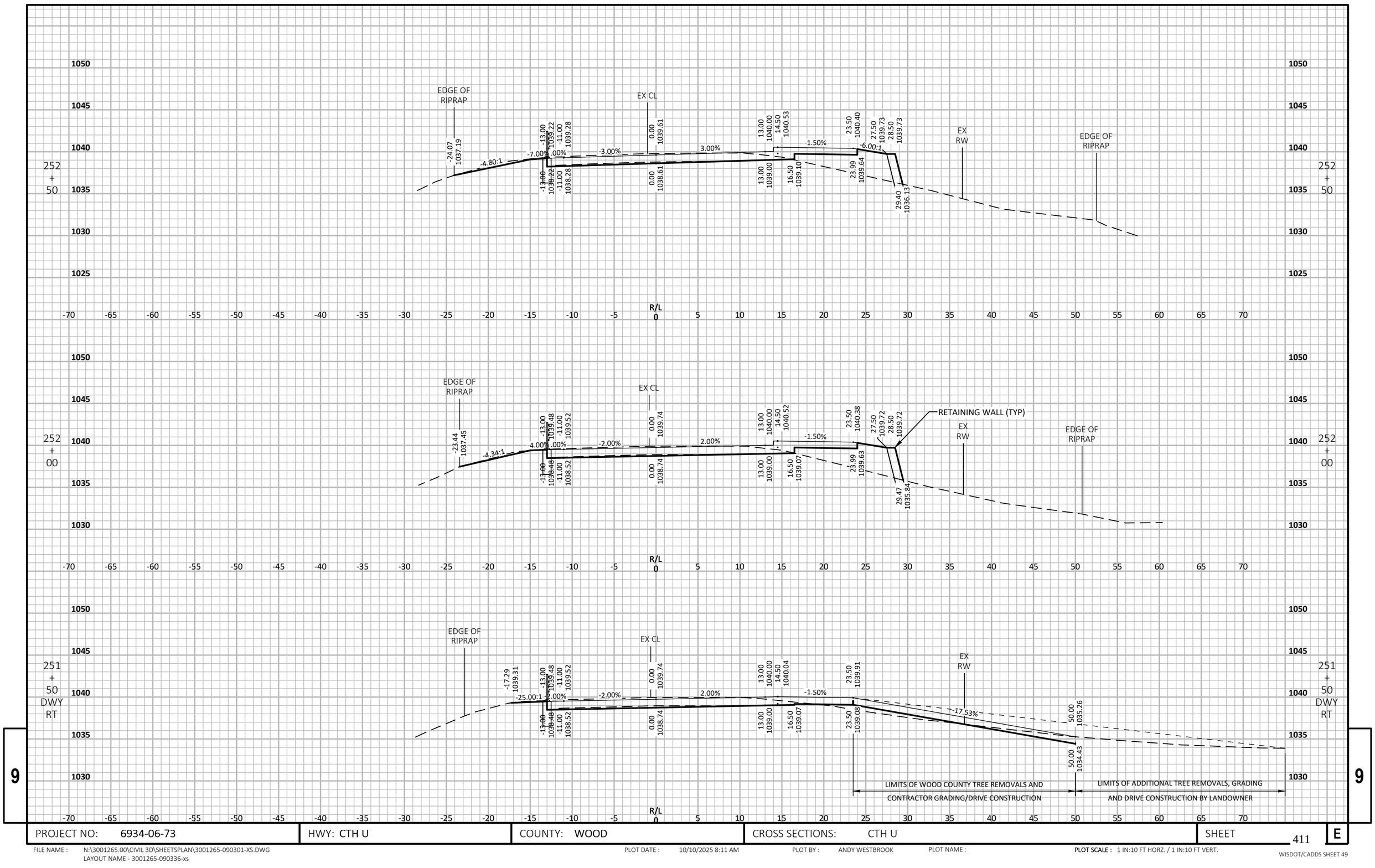
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 410	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090335-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



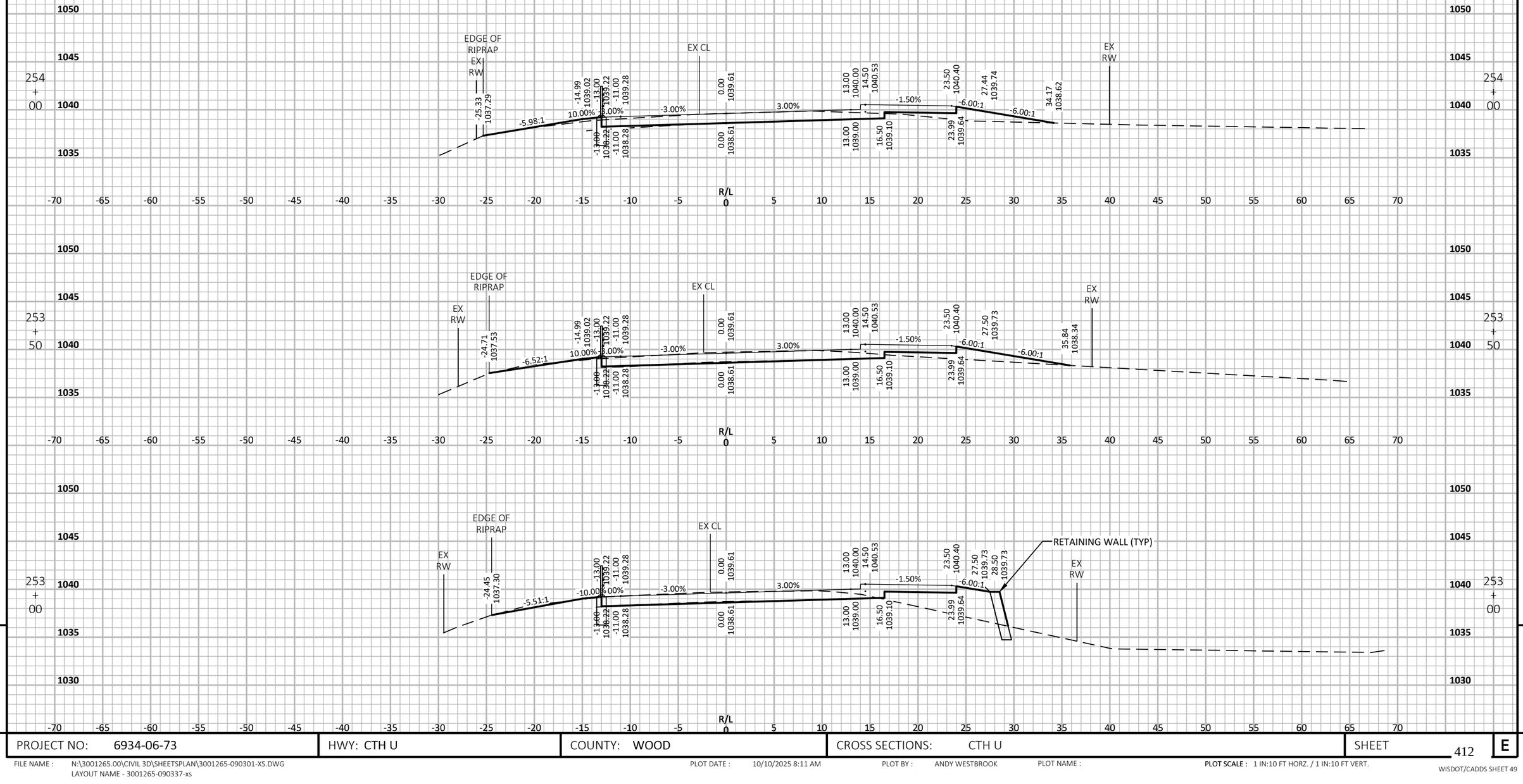
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 411	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090336-xs

PLOT DATE : 10/10/2025 8:11 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 412	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090337-xs
PLOT DATE : 10/10/2025 8:11 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

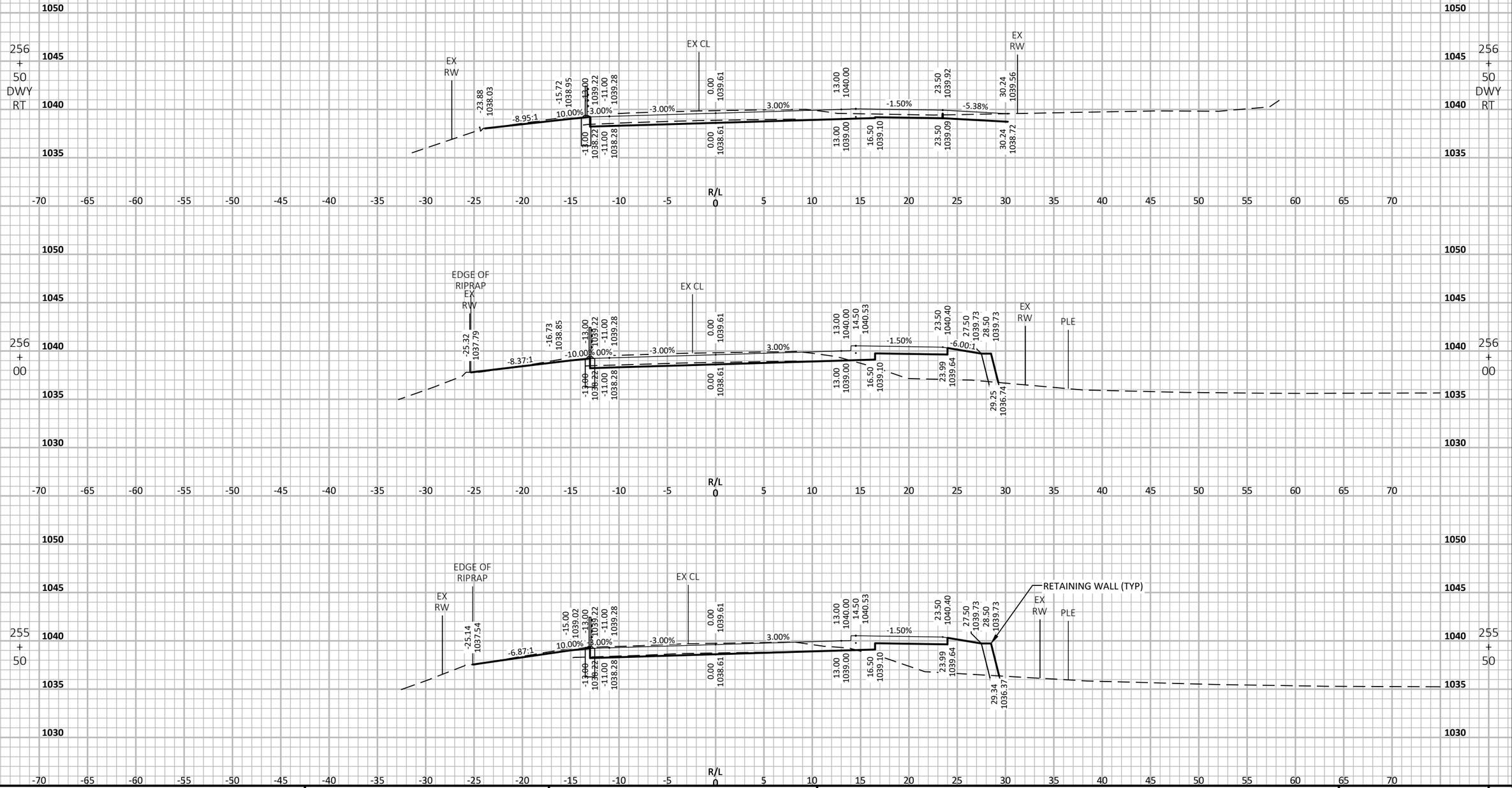
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 413	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090338-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

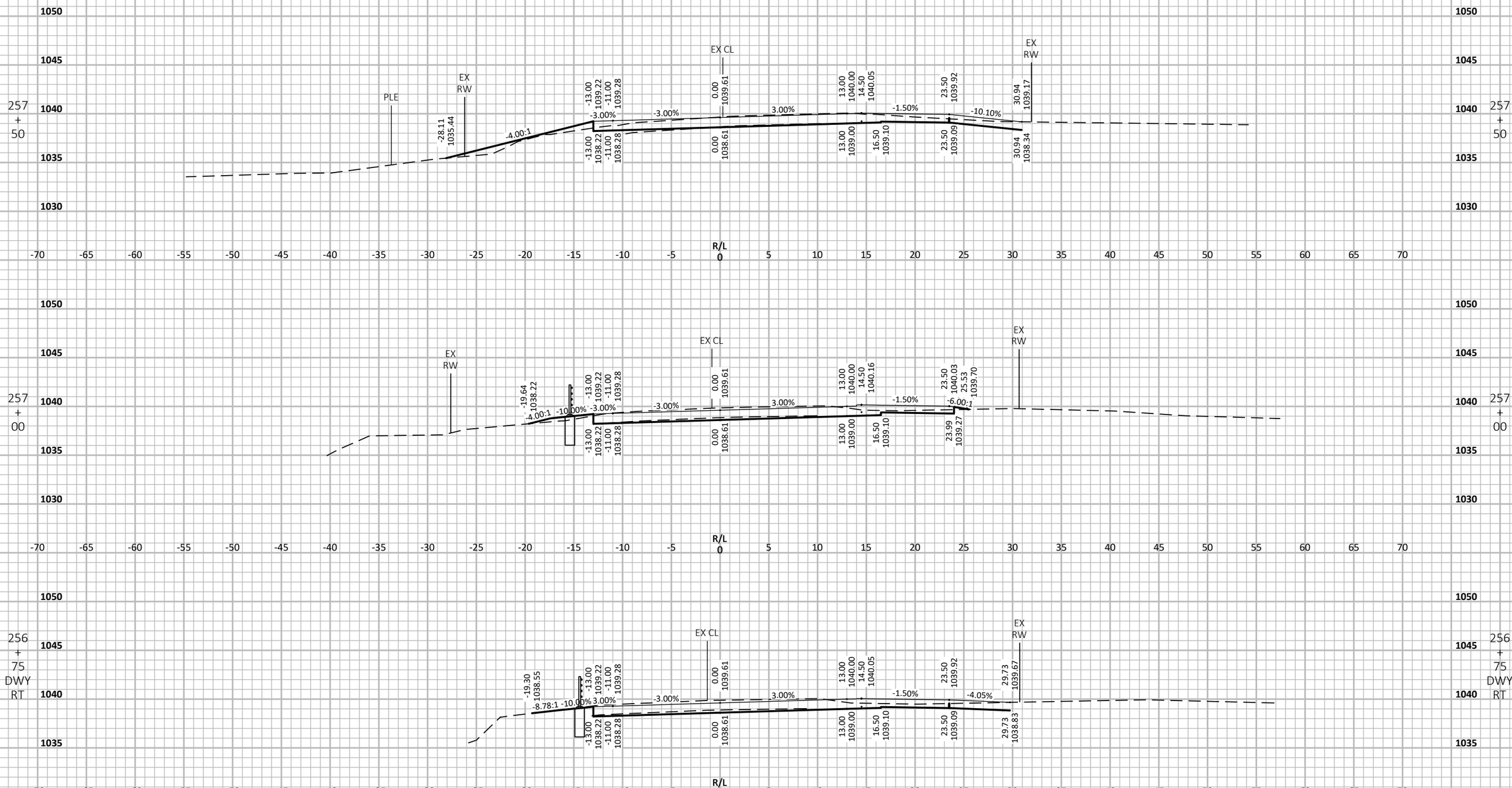
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 414	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090339-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 415	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090340-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

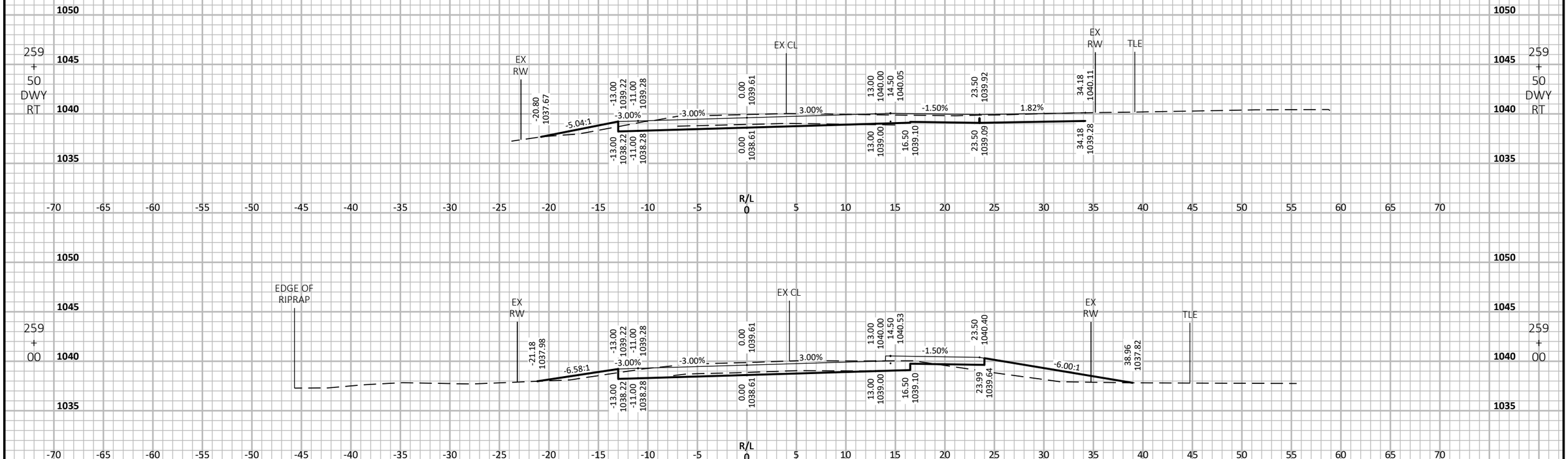
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 416	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090341-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

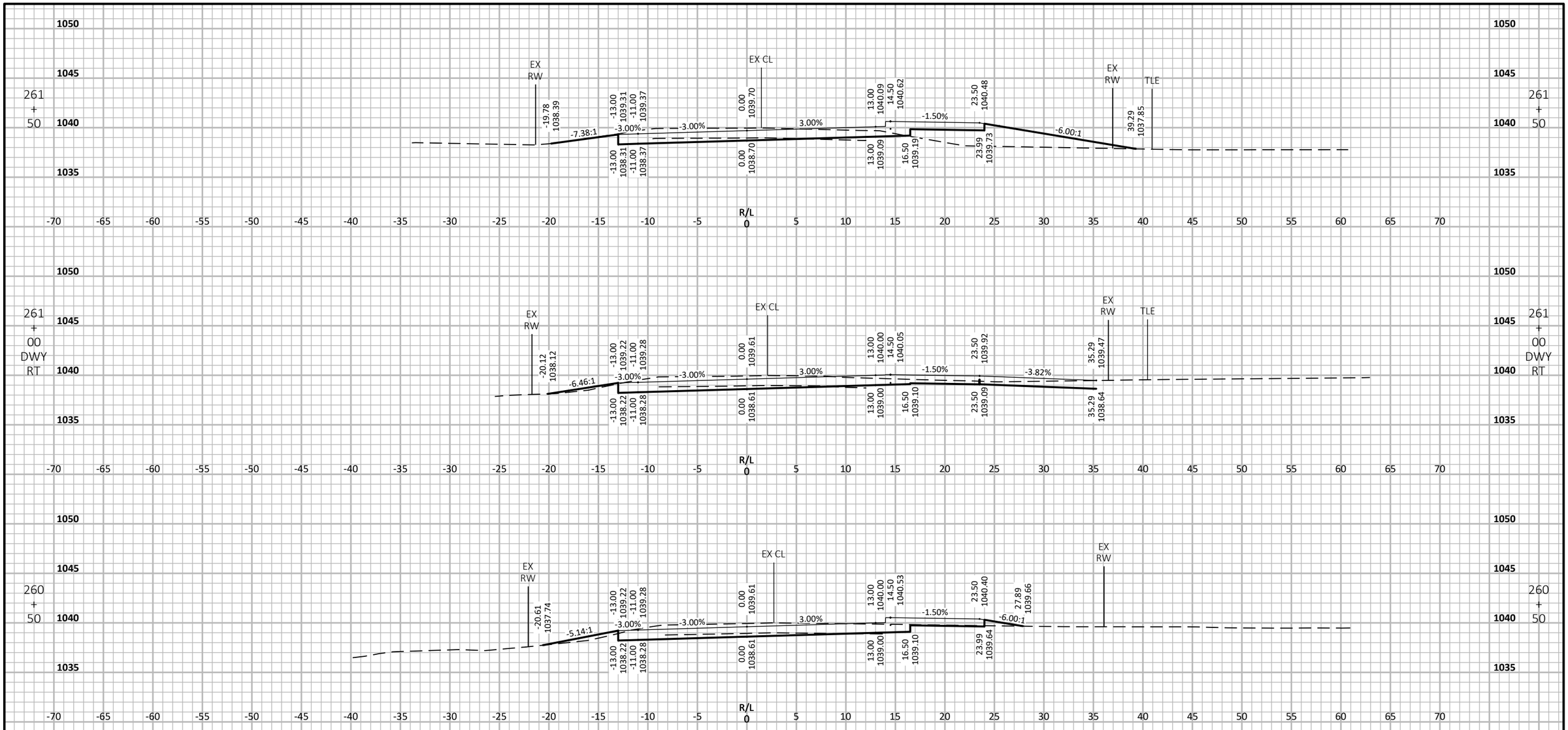


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 417	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090342-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



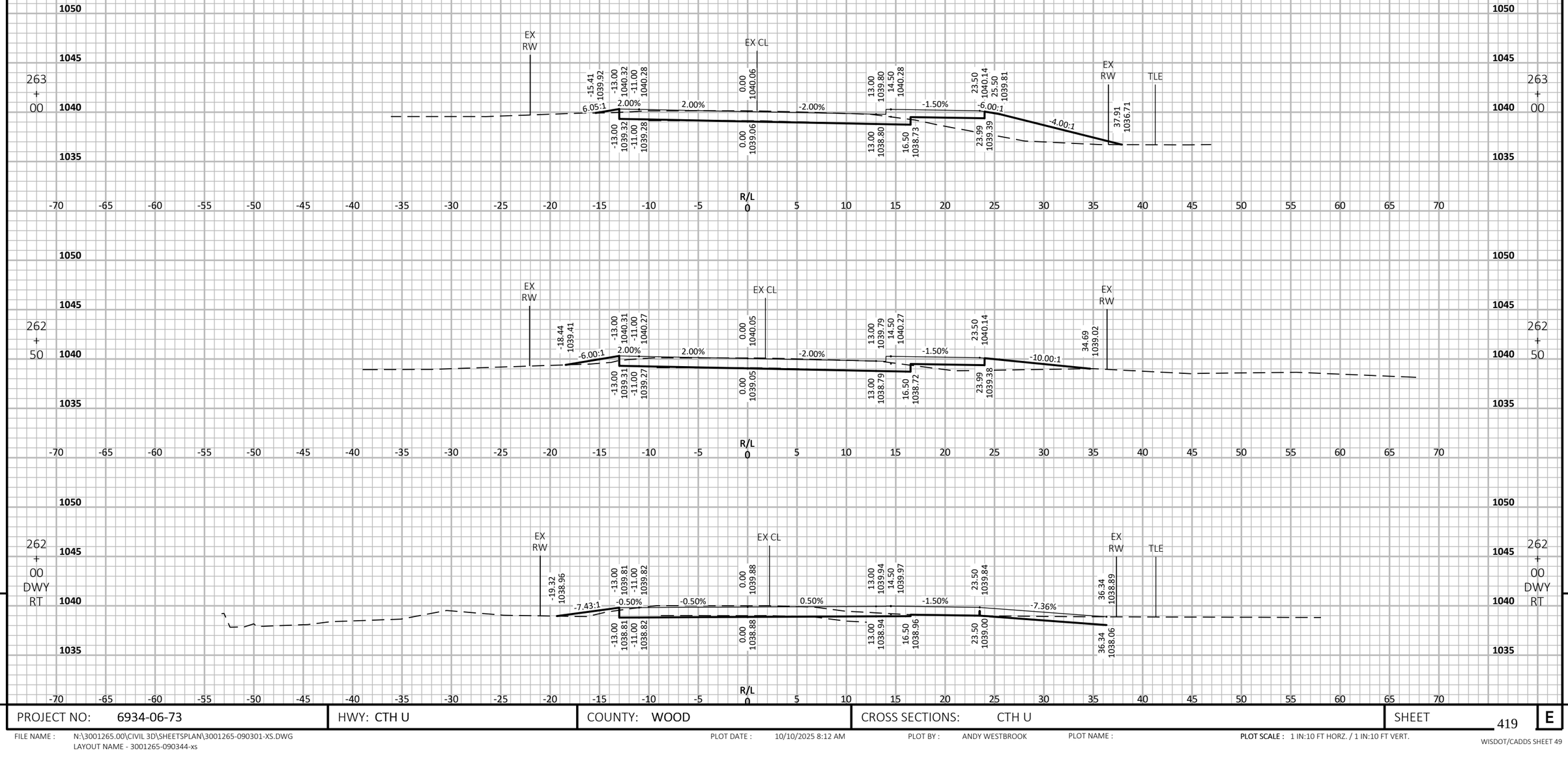
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 418	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090343-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 419	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090344-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

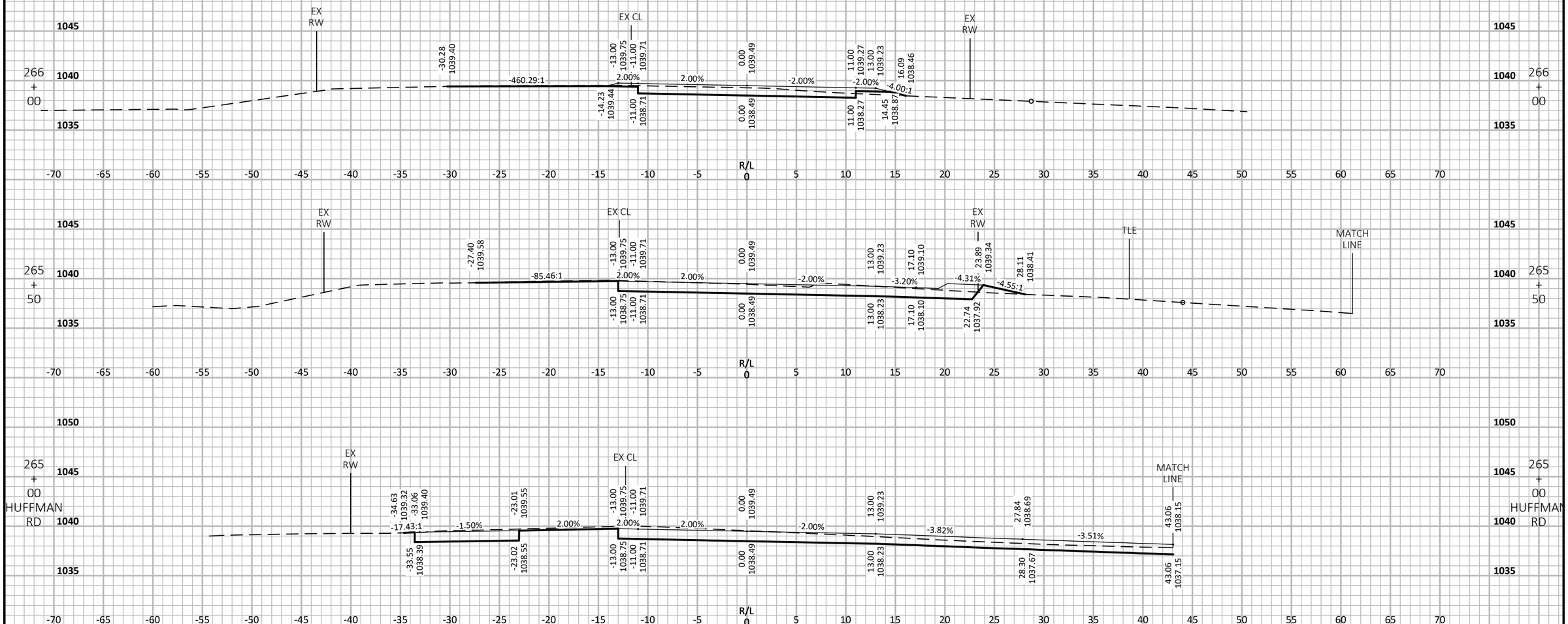
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 420	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090345-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49

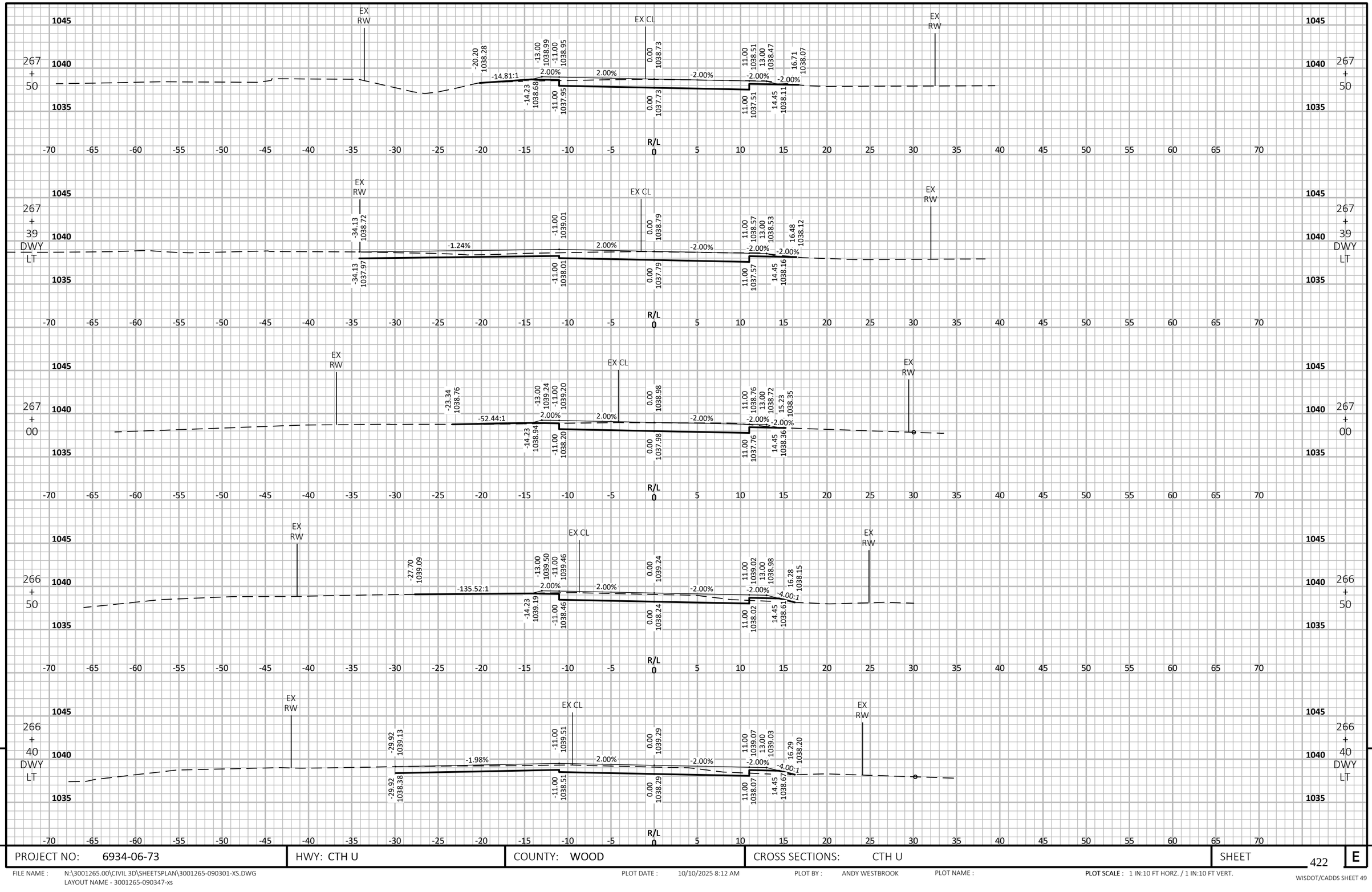


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 421 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090346-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

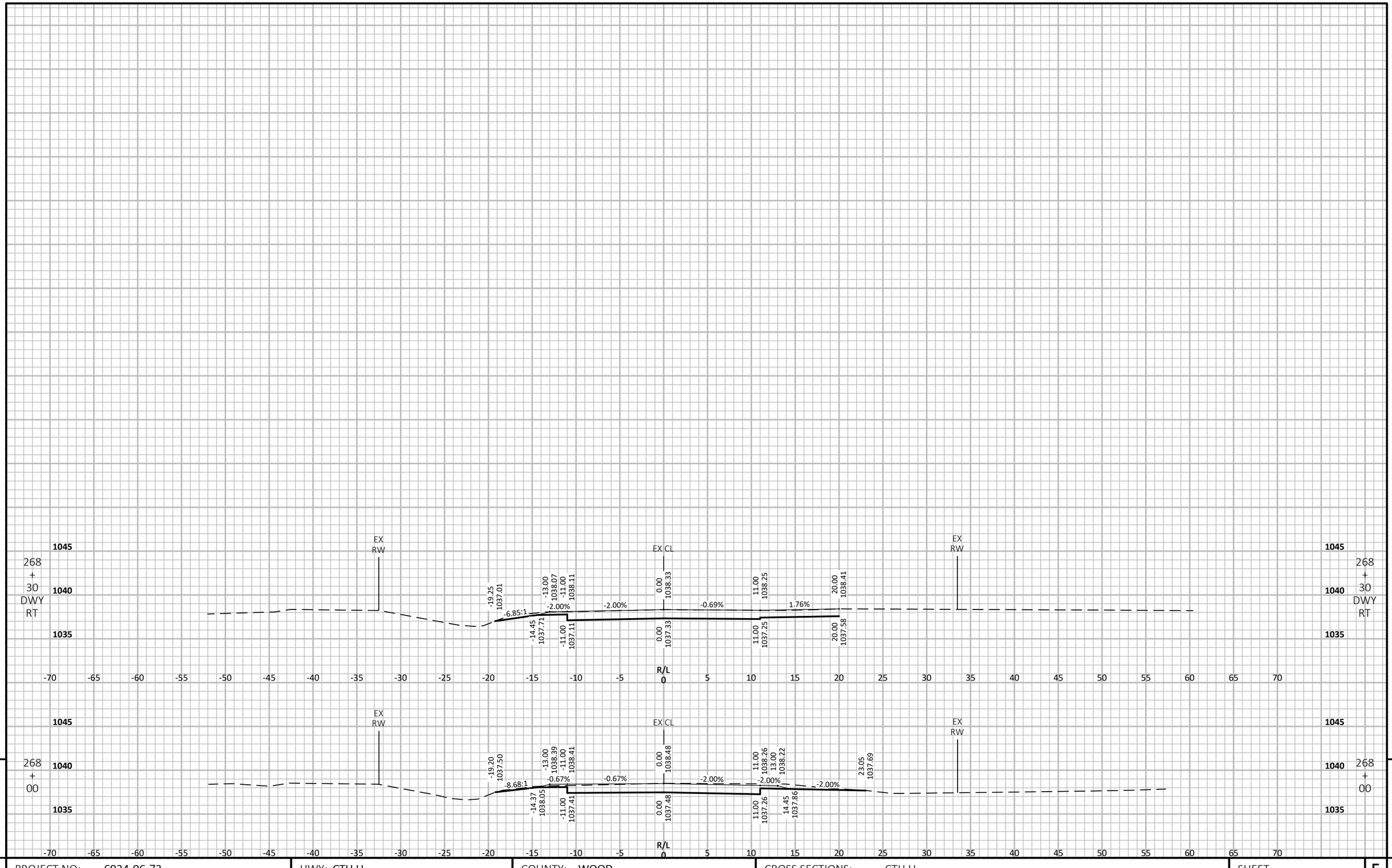


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 422	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090347-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



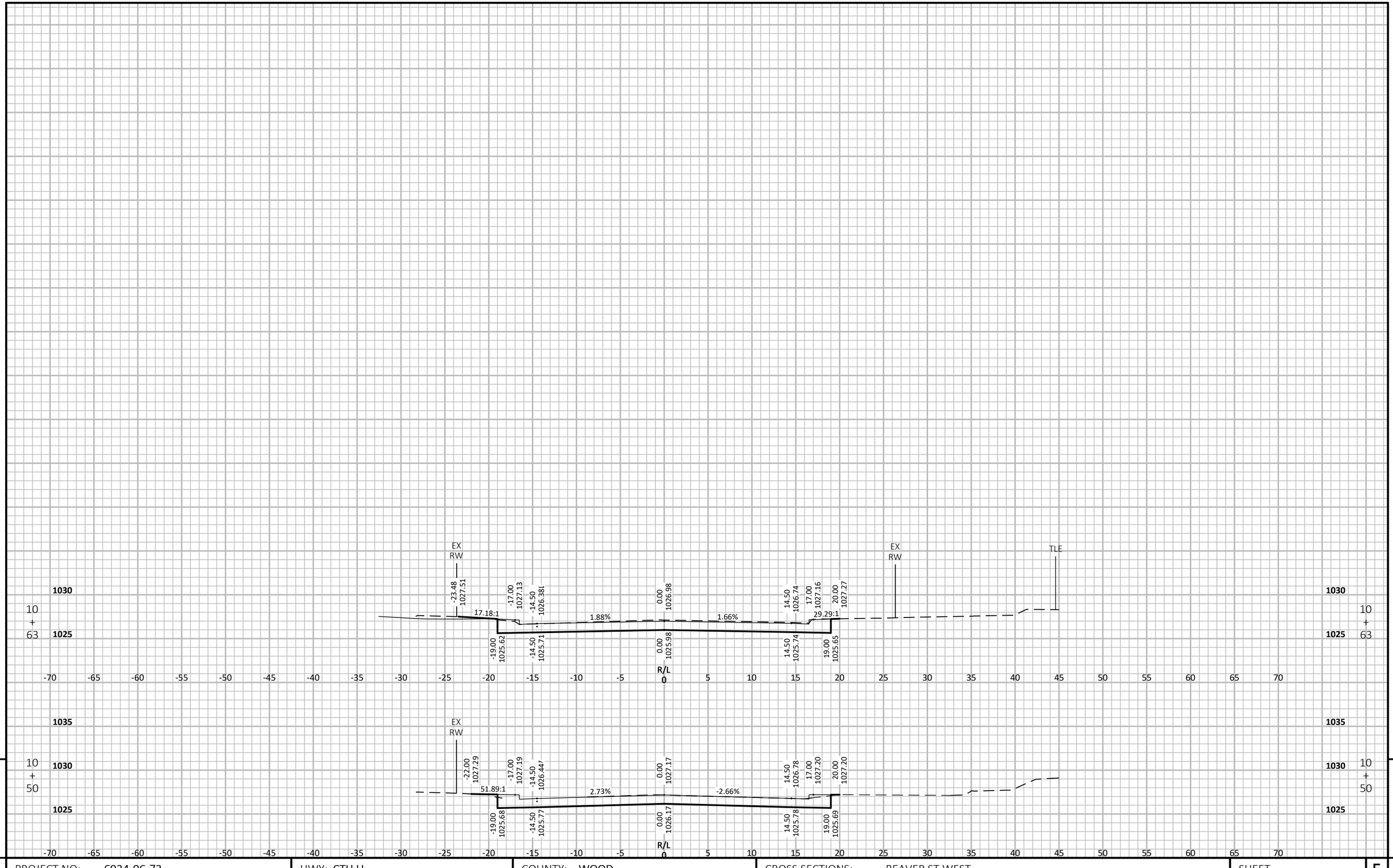
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: CTH U	SHEET 423	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090348-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

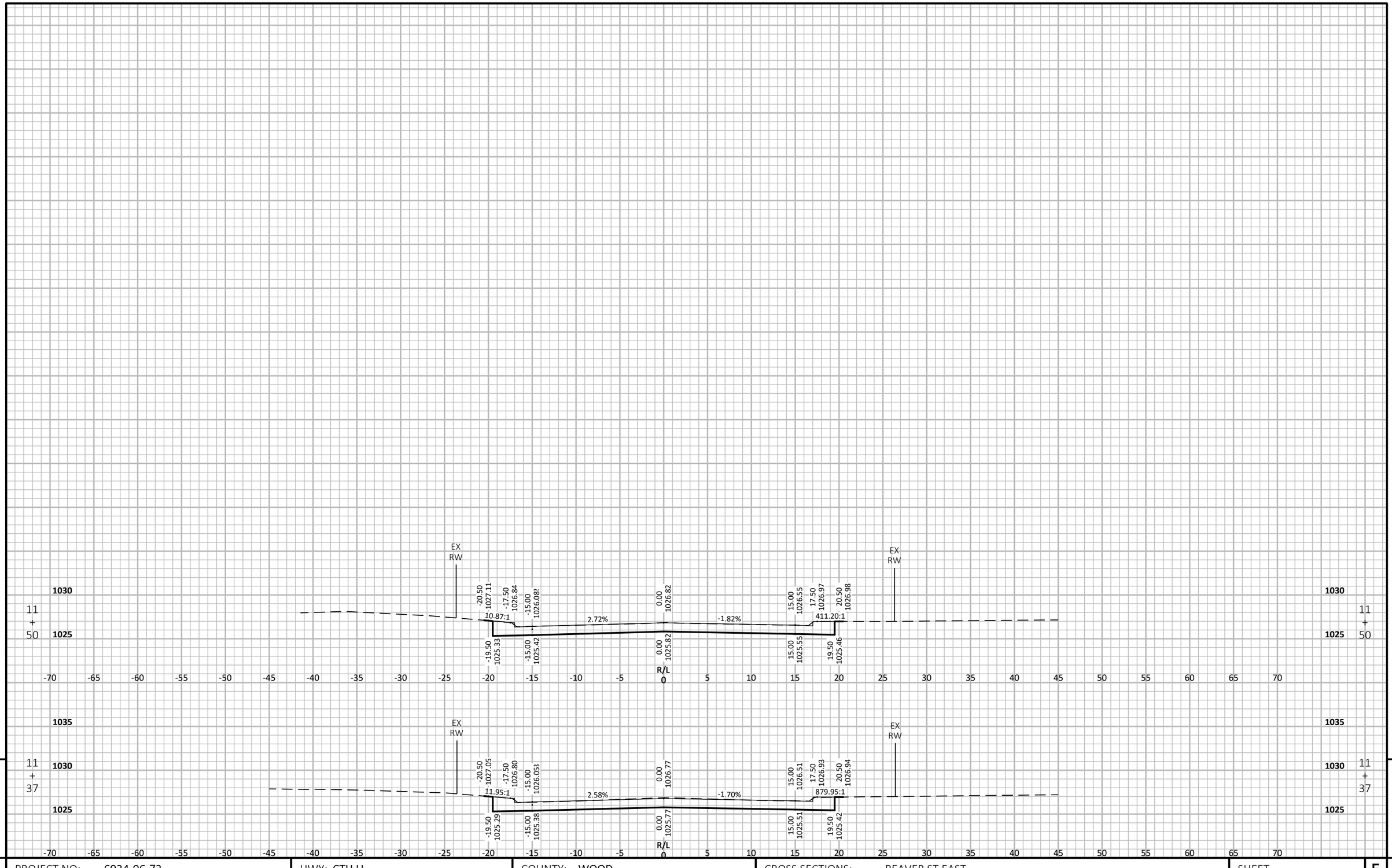
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: BEAVER ST WEST	SHEET 424	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090401-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

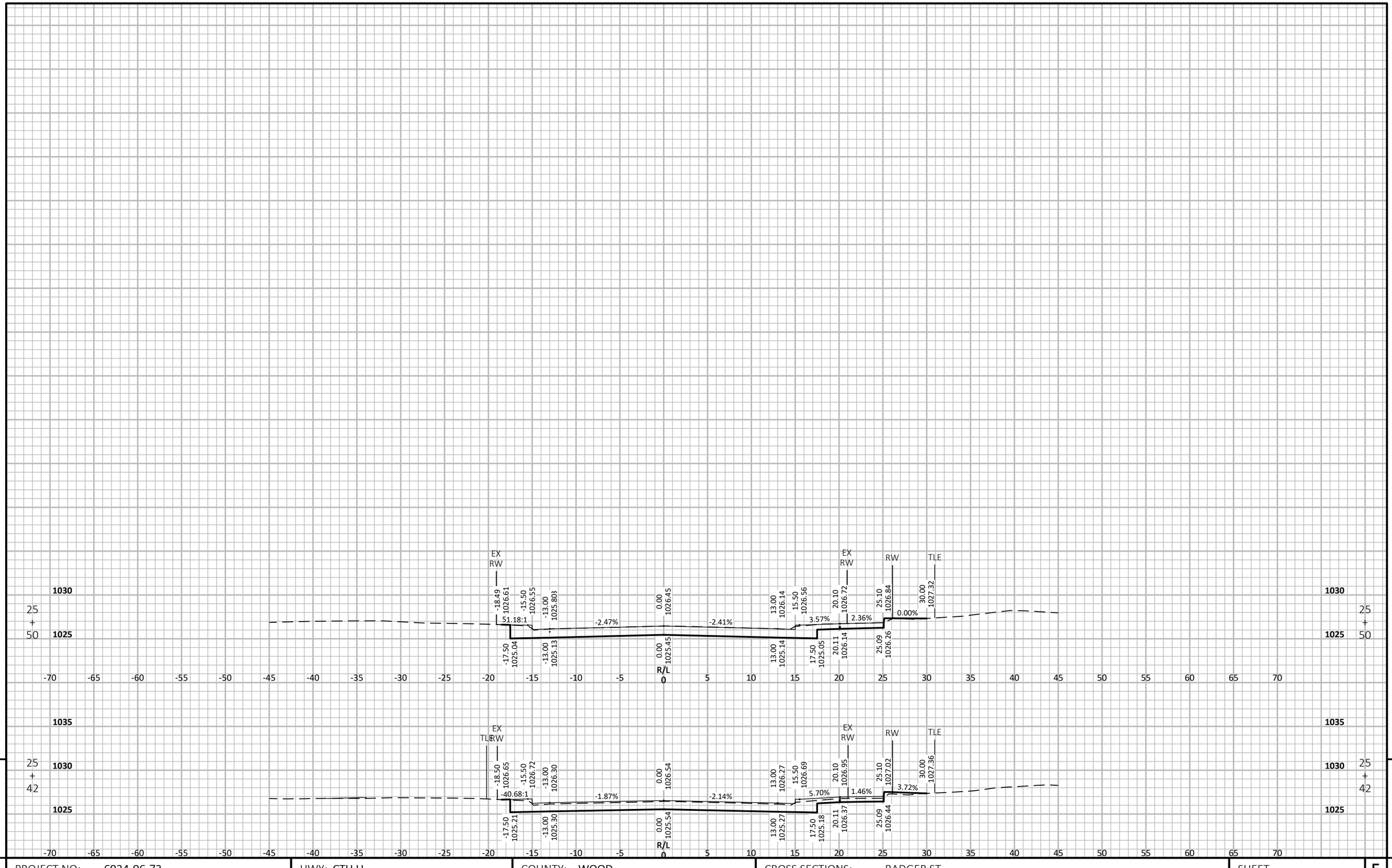
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: BEAVER ST EAST	SHEET 425	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090405-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

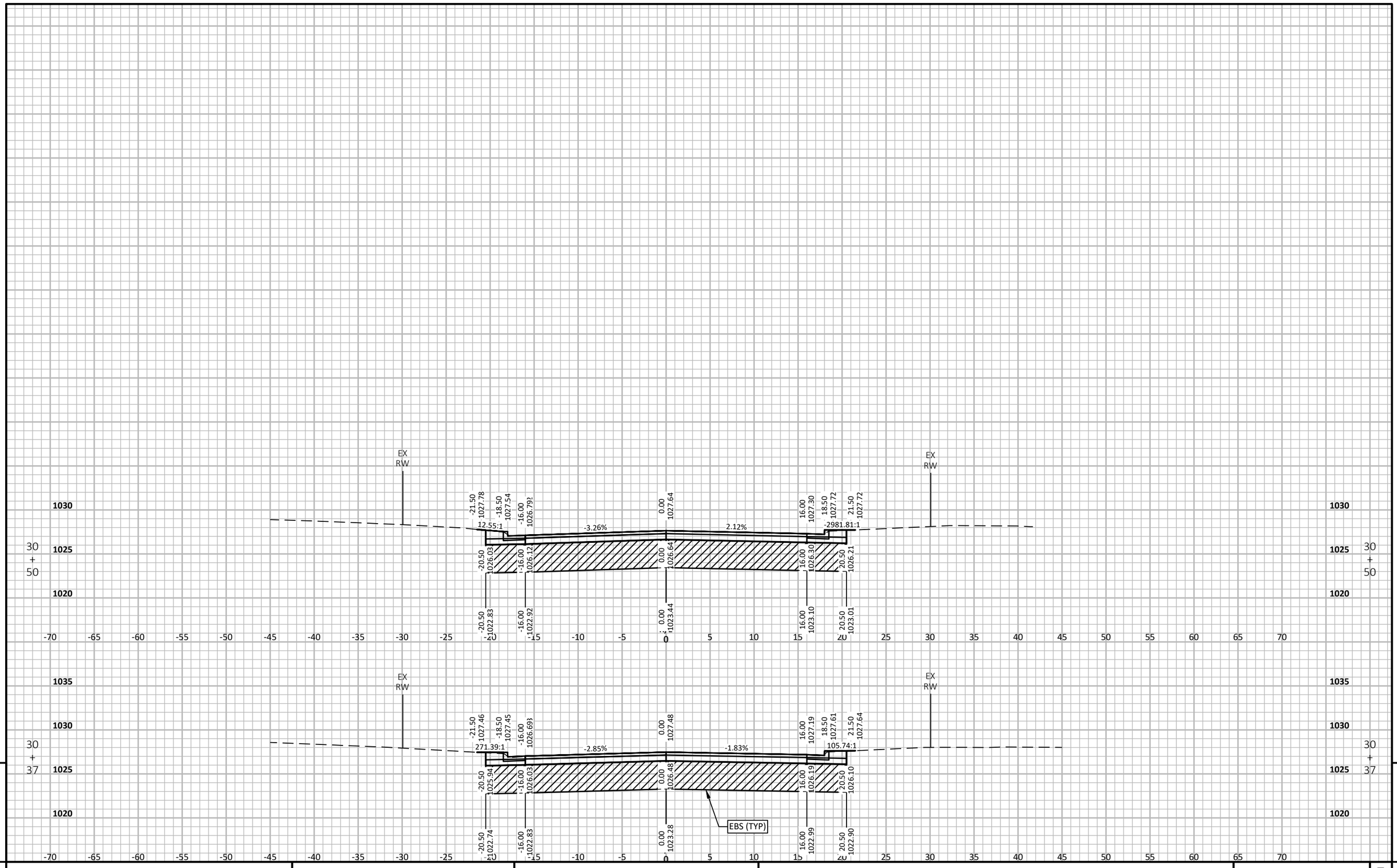
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: BADGER ST	SHEET 426	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090410-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

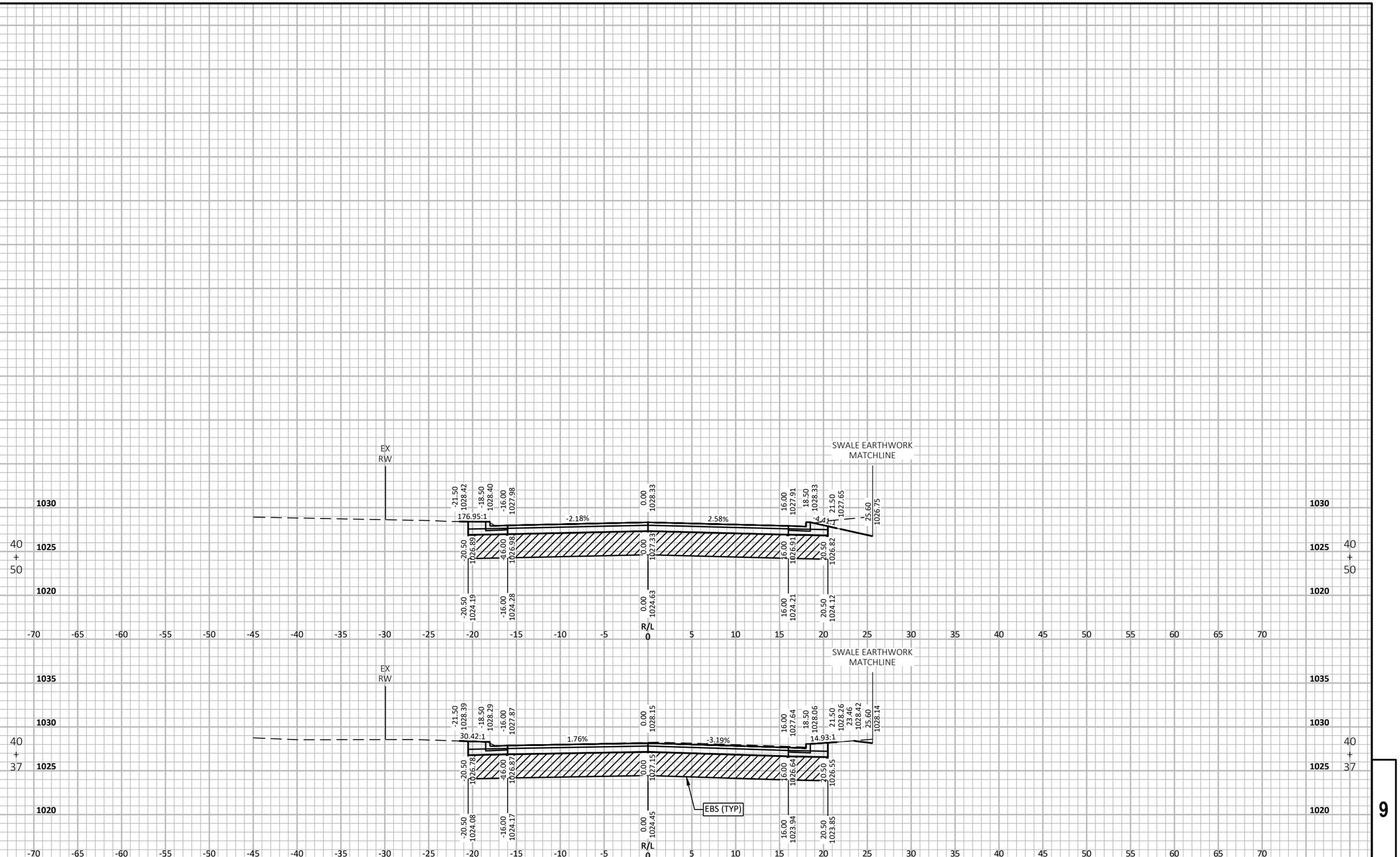
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: OTTER ST	SHEET 427	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090415-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

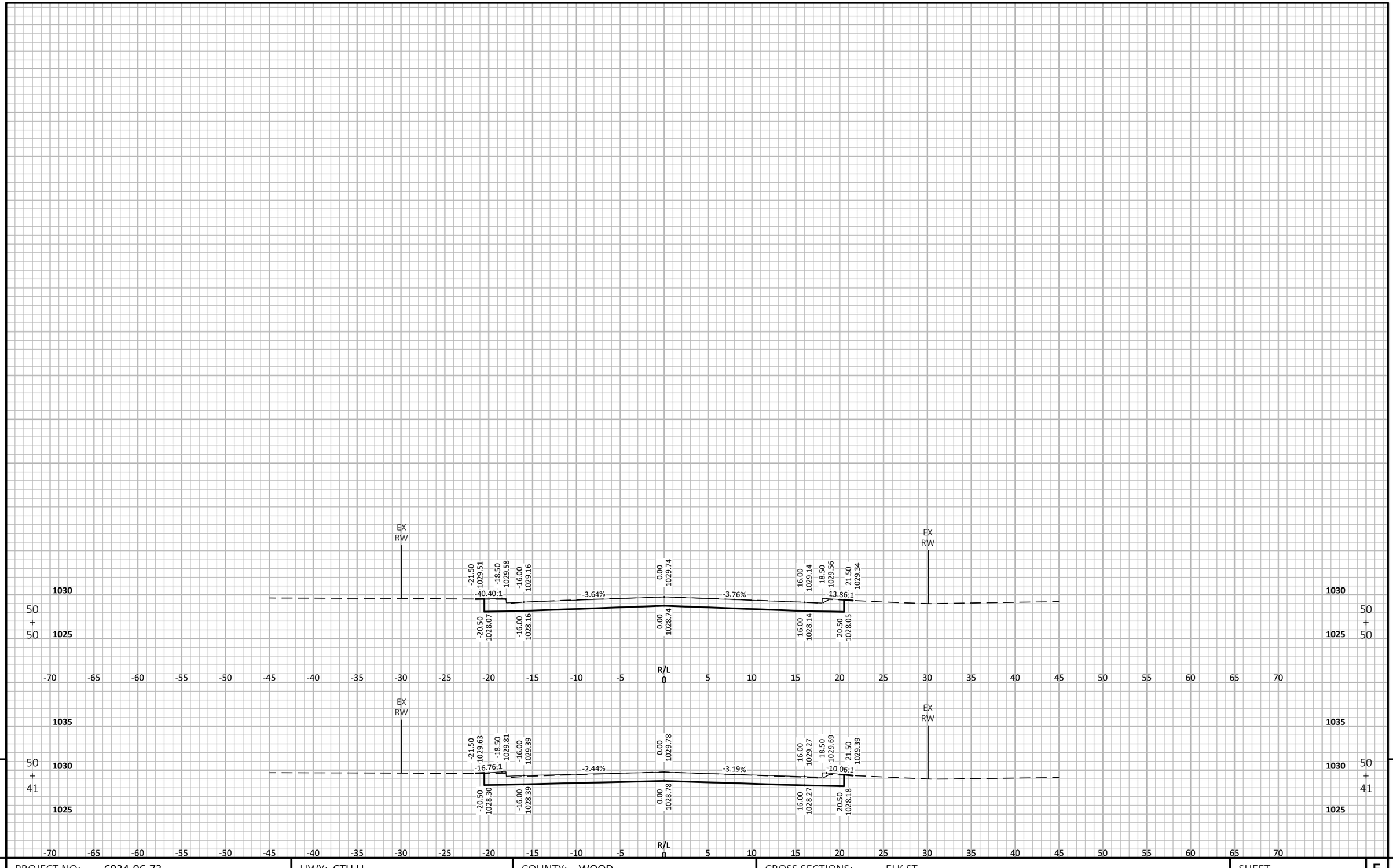
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: BEAR ST	SHEET 428	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090420-xs

PLOT DATE : 12/1/2025 8:22 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



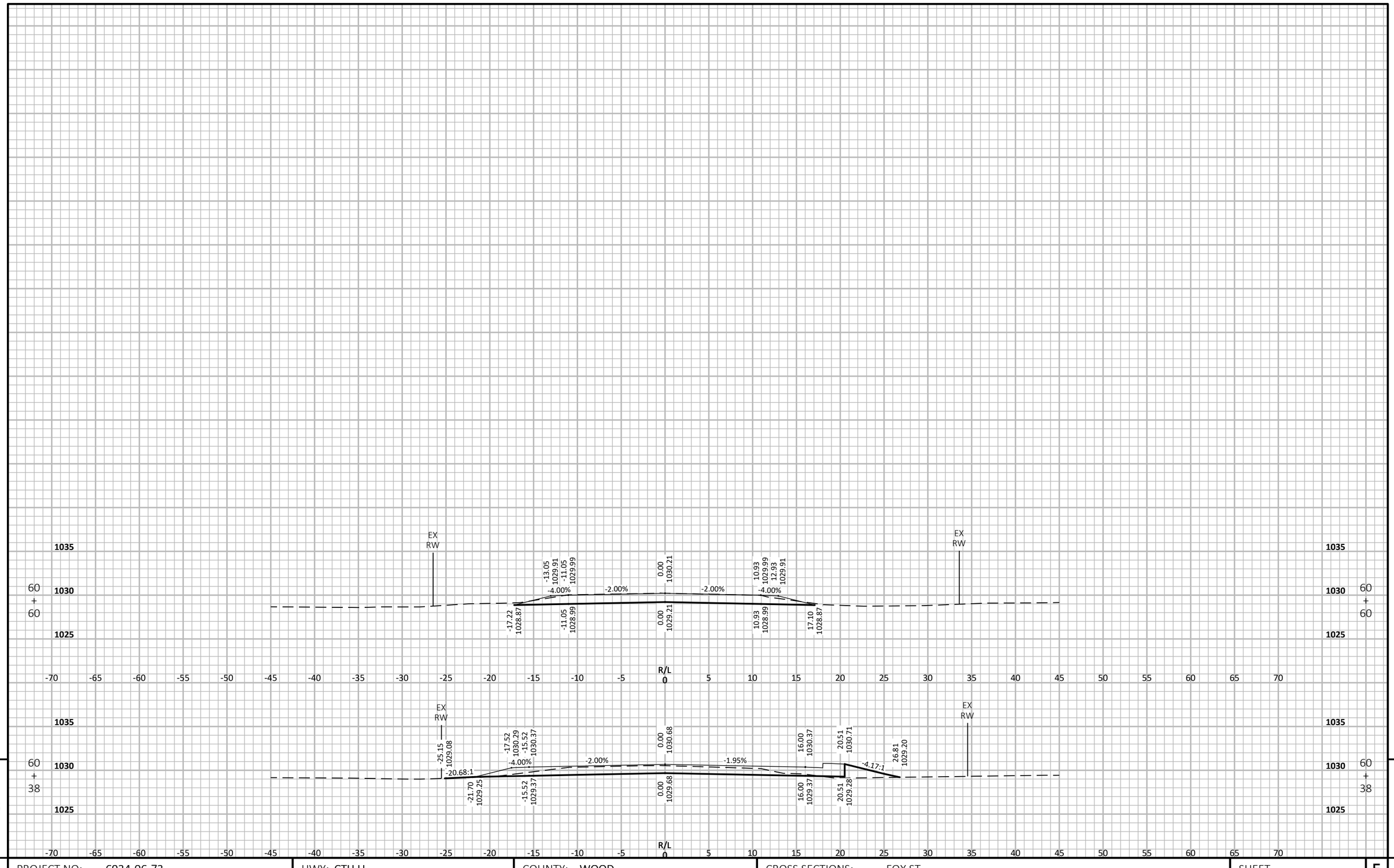
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9

PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: ELK ST	SHEET 429	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090425-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

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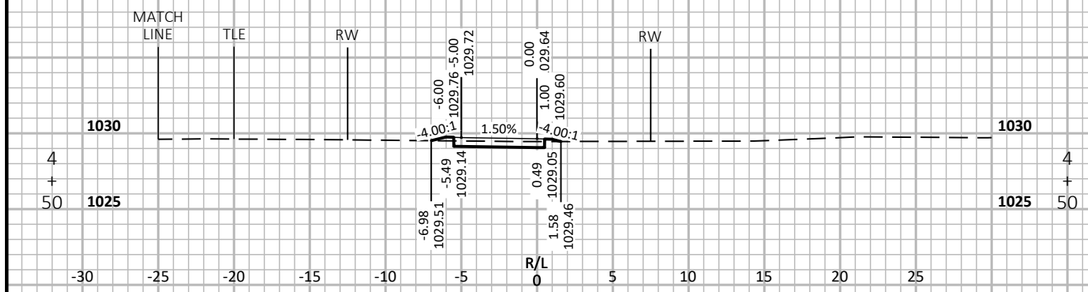
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: FOX ST	SHEET 430	E

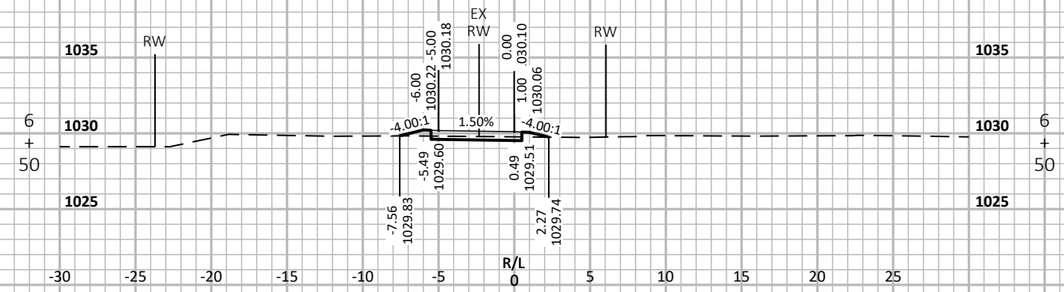
FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090430-xs

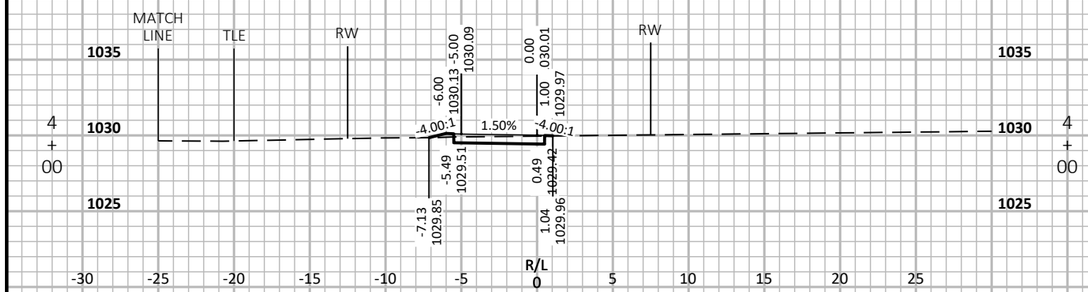
PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

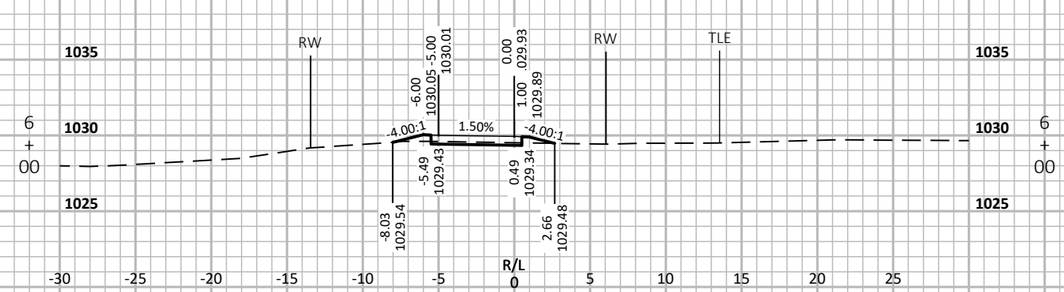
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

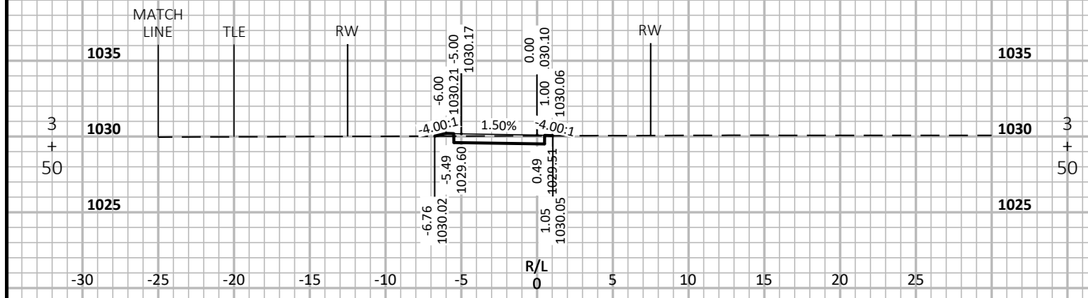
WISDOT/CADDS SHEET 49

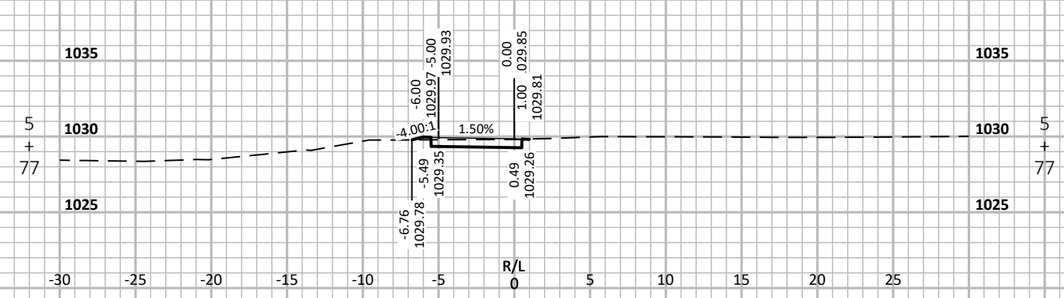


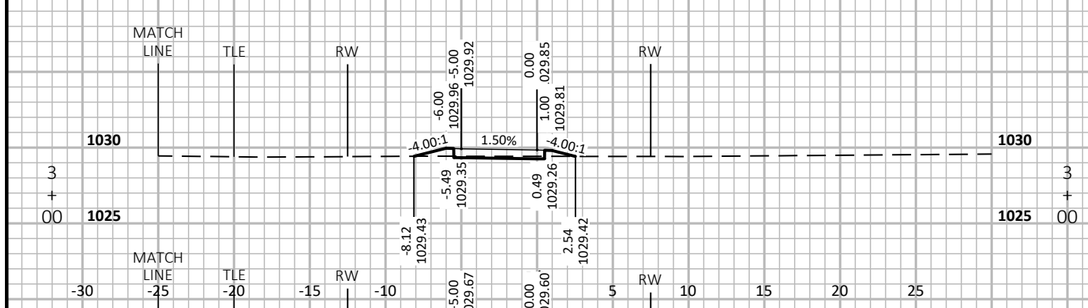


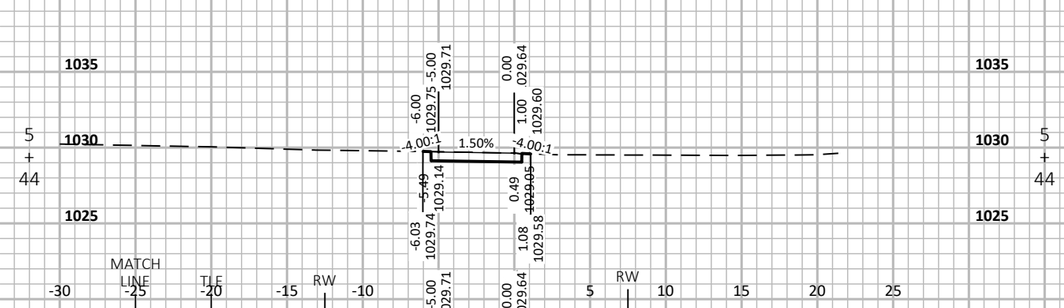


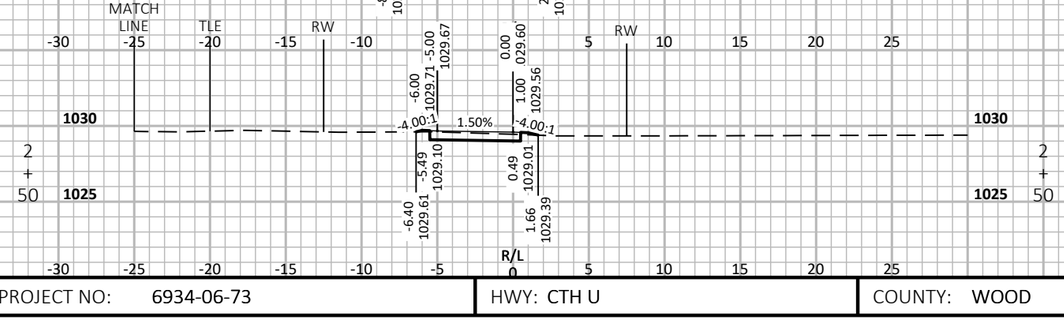


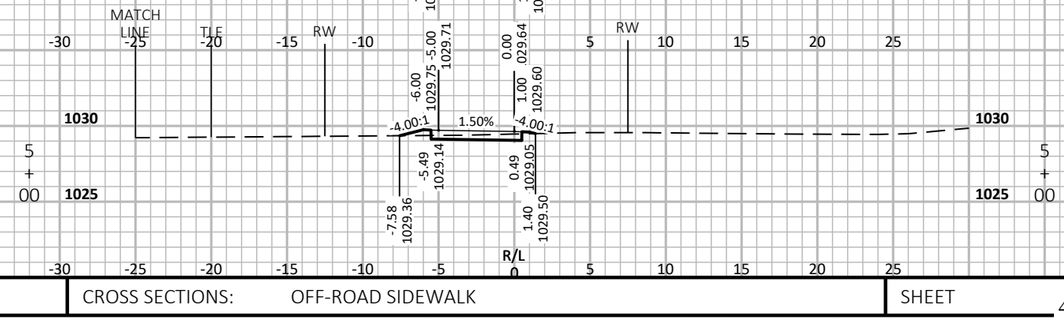












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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: OFF-ROAD SIDEWALK	SHEET 431	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090435-xs
PLOT DATE : 10/10/2025 7:38 AM
PLOT BY : ANDY WESTBROOK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

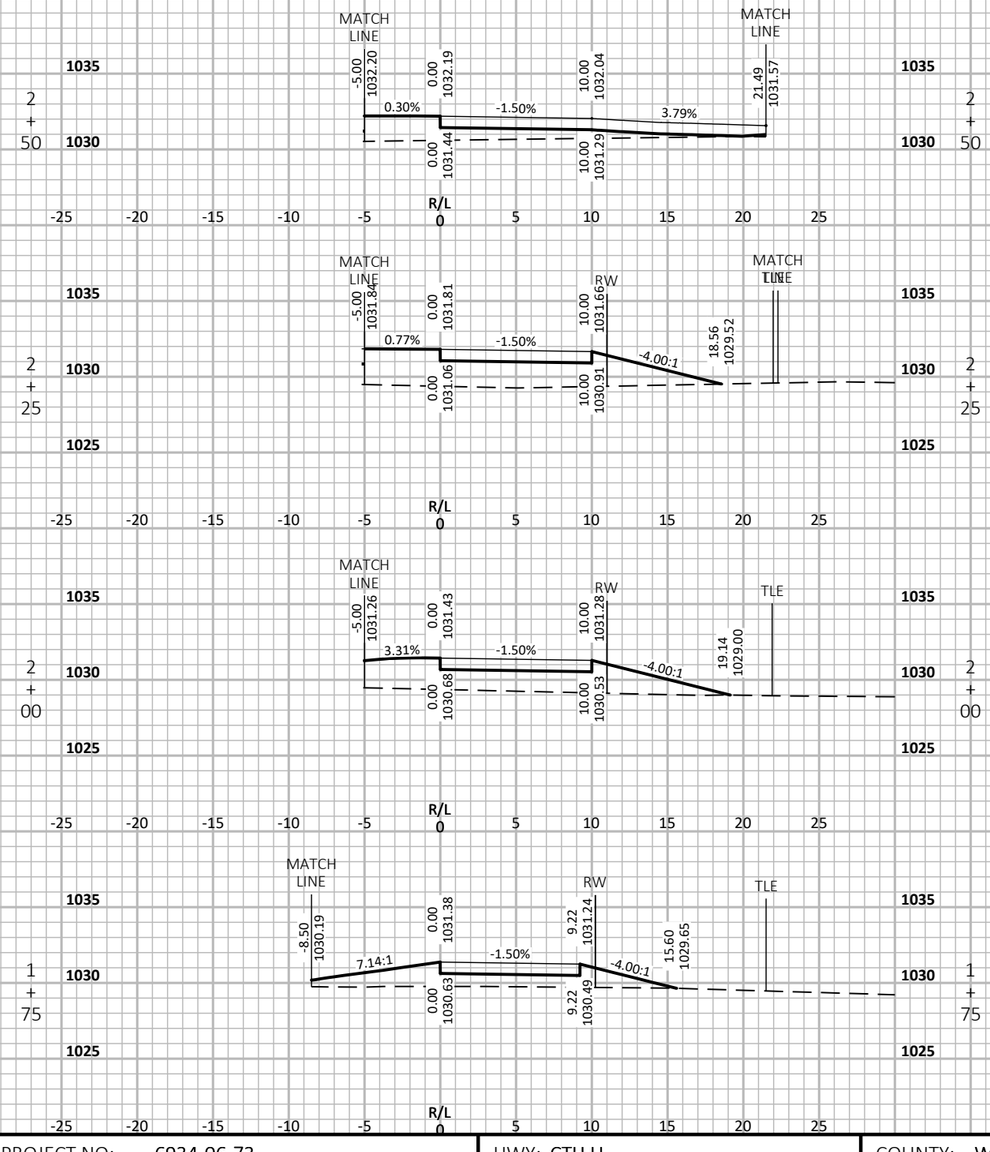
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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: OFF-ROAD SIDEWALK	SHEET 432	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090436-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



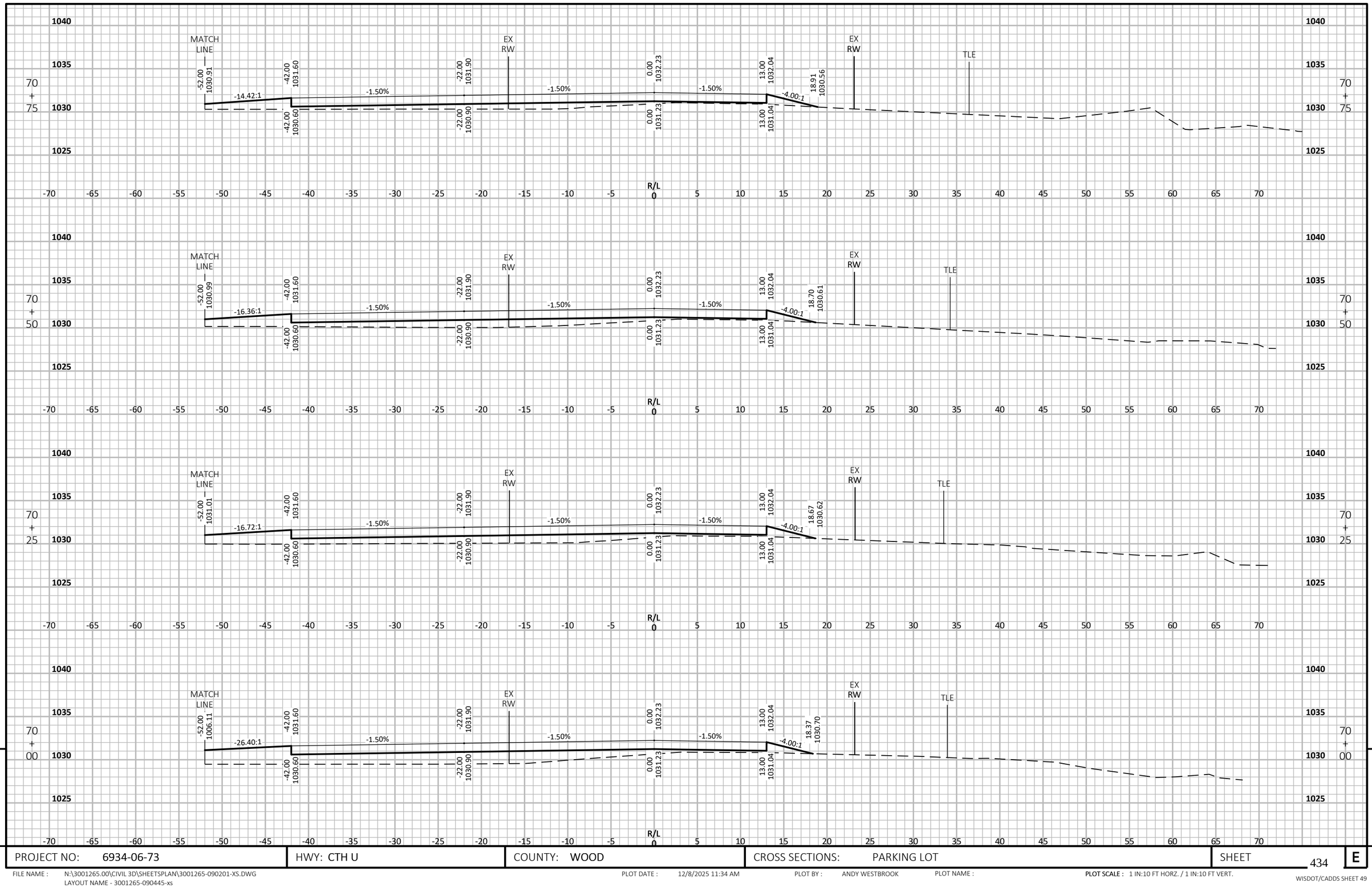
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: PARKING LOT TRAIL	SHEET 433 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090440-xs

PLOT DATE : 10/10/2025 7:38 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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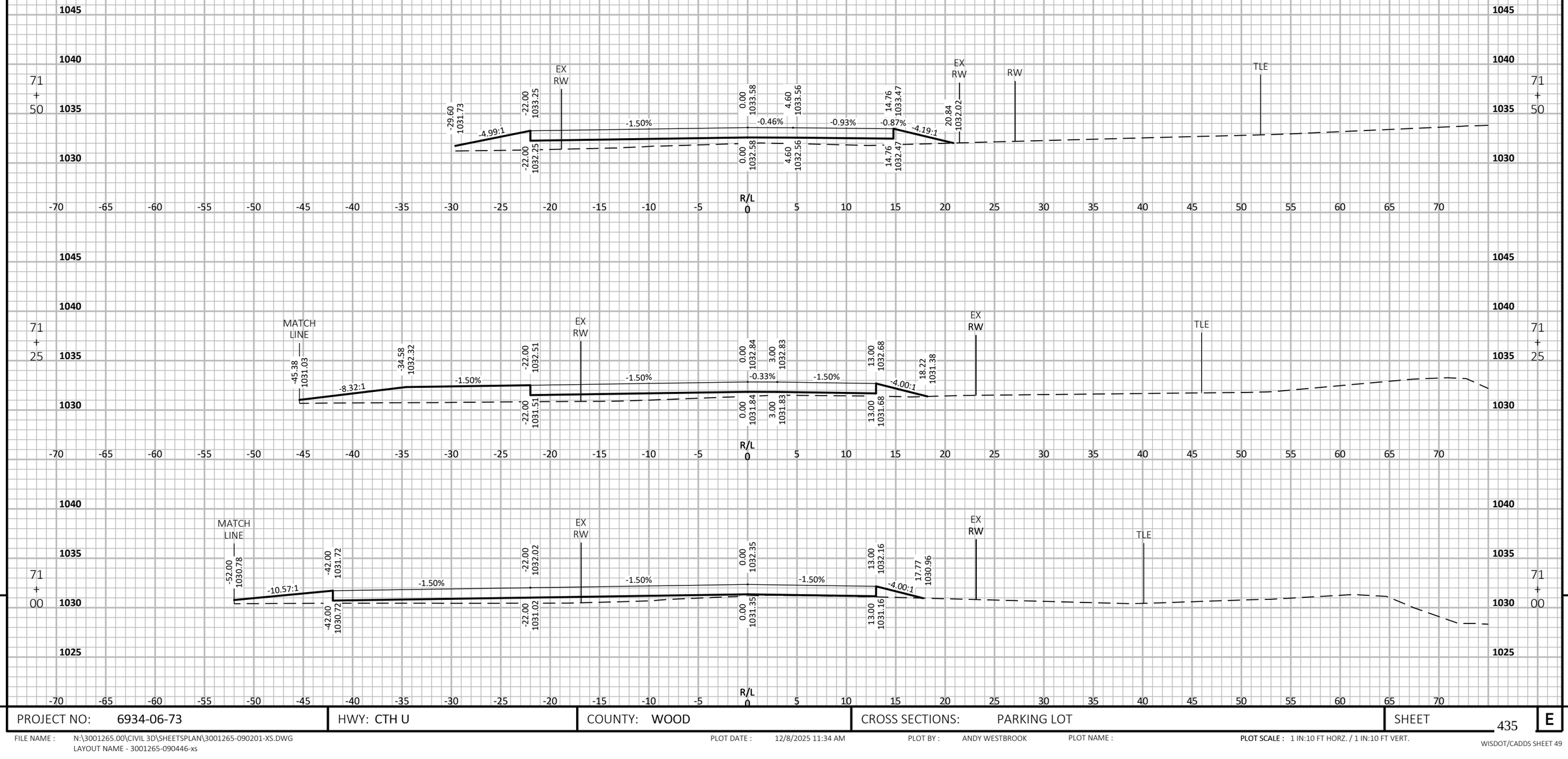
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: PARKING LOT	SHEET 434	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090445-xs

PLOT DATE : 12/8/2025 11:34 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49



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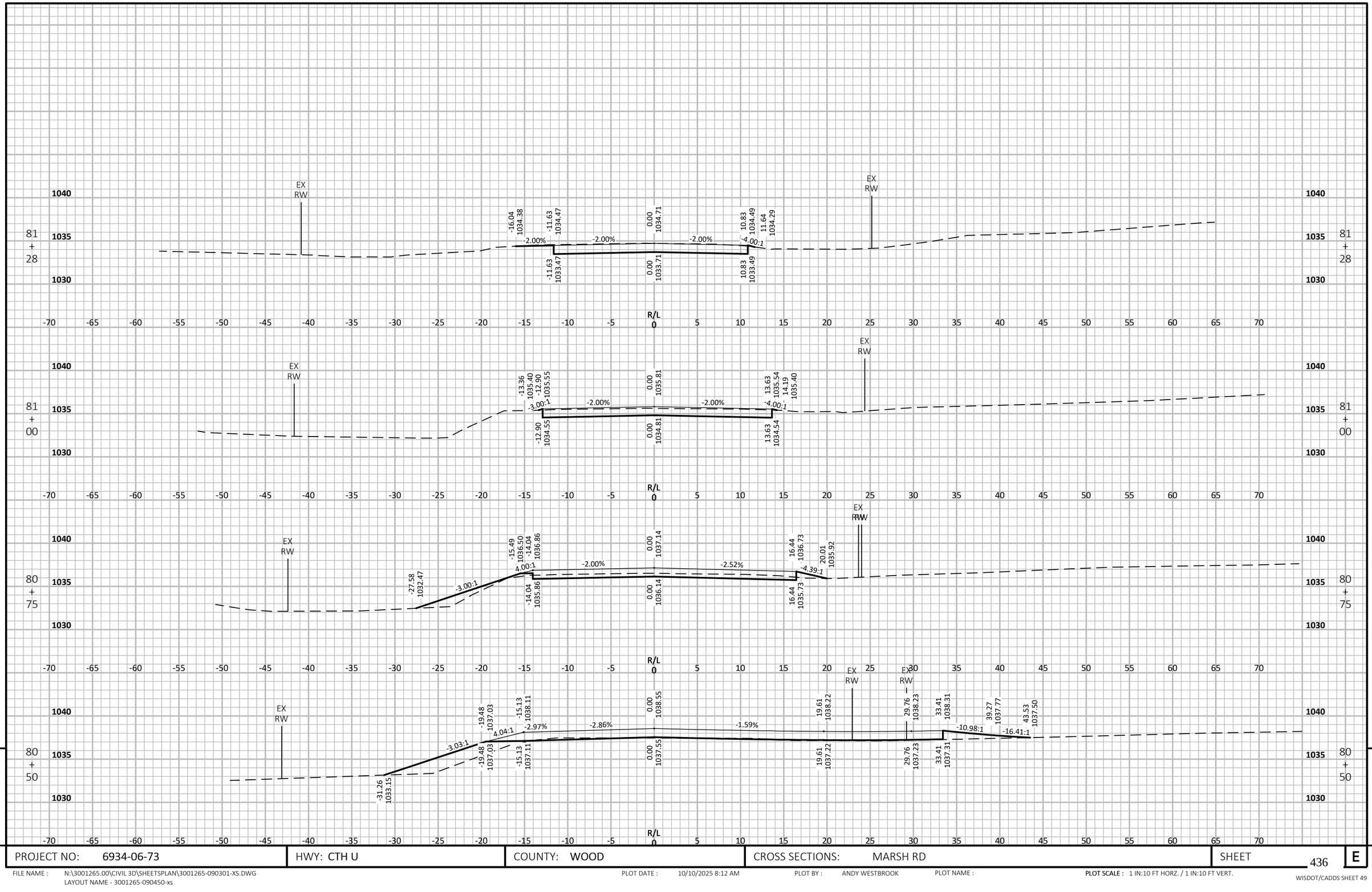
PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: PARKING LOT	SHEET 435	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090201-XS.DWG
LAYOUT NAME - 3001265-090446-xs

PLOT DATE : 12/8/2025 11:34 AM PLOT BY : ANDY WESTBROOK PLOT NAME :

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

WISDOT/CADDS SHEET 49

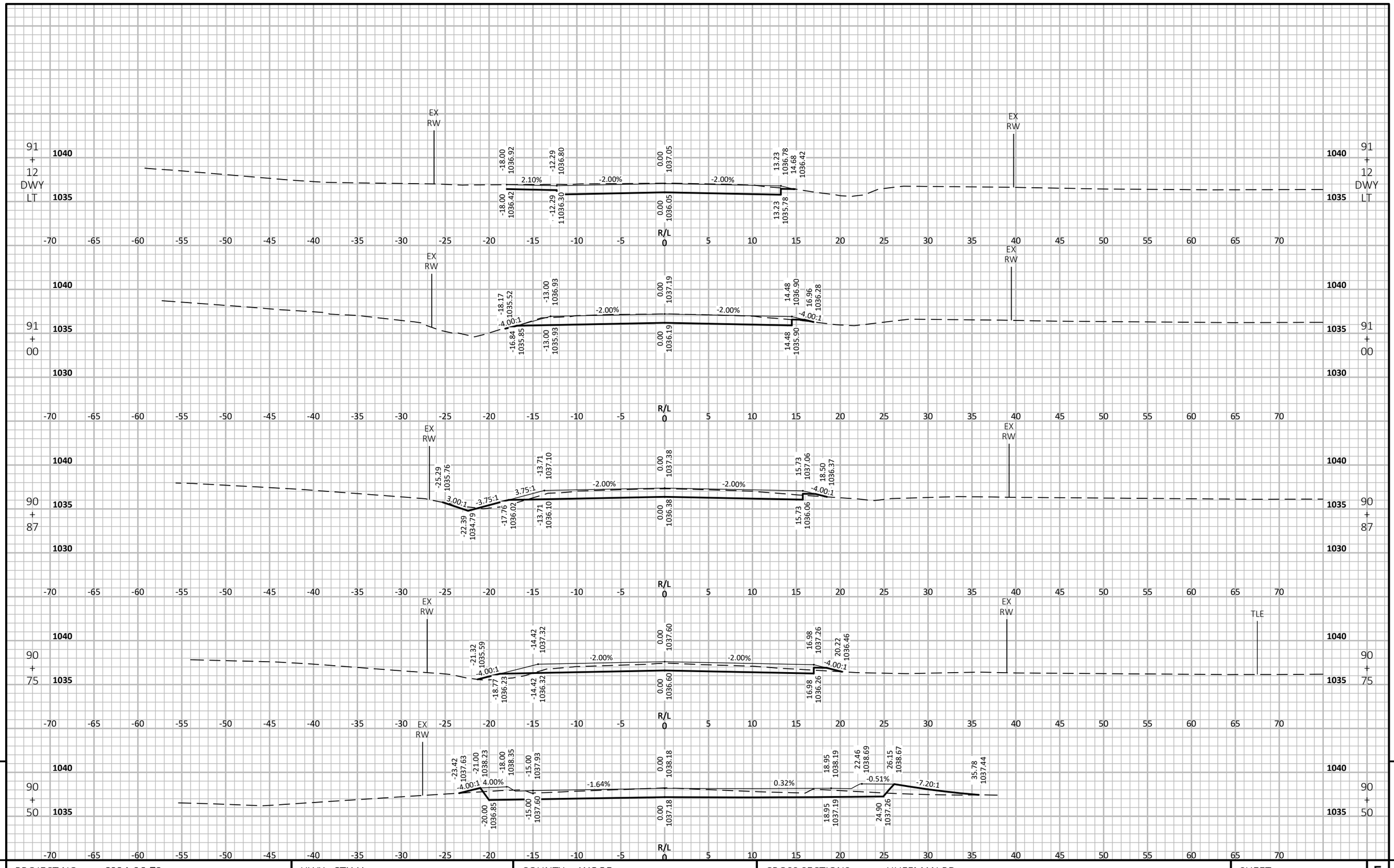


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: MARSH RD	SHEET 436 E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090450-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

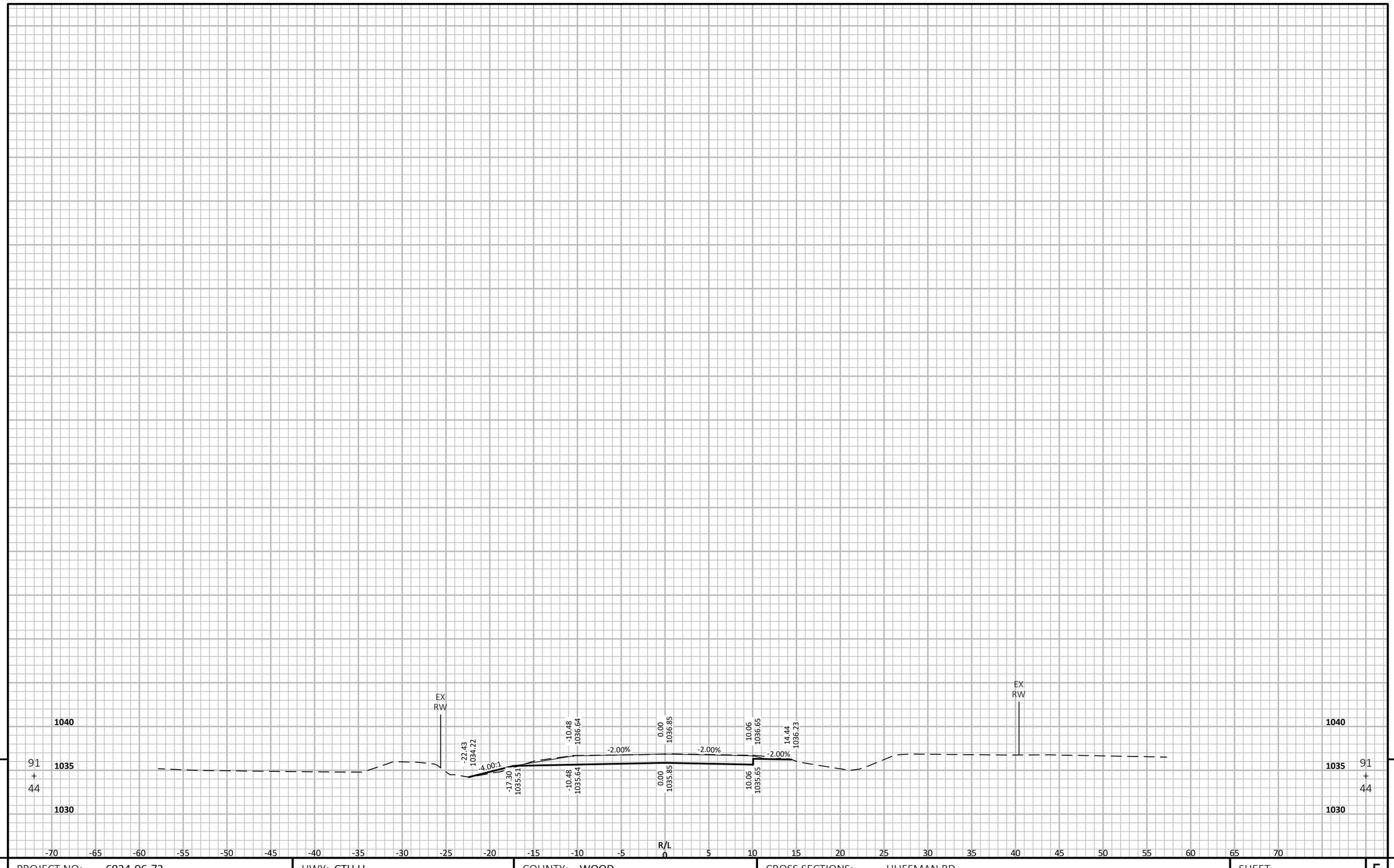


PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: HUFFMAN RD	SHEET 437	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090455-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6934-06-73	HWY: CTH U	COUNTY: WOOD	CROSS SECTIONS: HUFFMAN RD	SHEET 438	E

FILE NAME : N:\3001265.00\CIVIL 3D\SHEETSPLAN\3001265-090301-XS.DWG
LAYOUT NAME - 3001265-090456-xs

PLOT DATE : 10/10/2025 8:12 AM PLOT BY : ANDY WESTBROOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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