SUP

NOVEMBER 2026

PROJECT ID: 8773-00-72

WITH: N/A

COUNTY: SAWYER

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 = 200

PROJECT LOCATION

39

N

DESIGN DESIGNATION 8773-00-02

A.A.D.T.	2027	=	390
A.A.D.T.	2047	=	420
D.H.V.		=	42
D.D.		=	50/50
T.		=	5%
DESIGN SPEED		=	40 MPH
ESALS		=	73,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 70 - CTH B

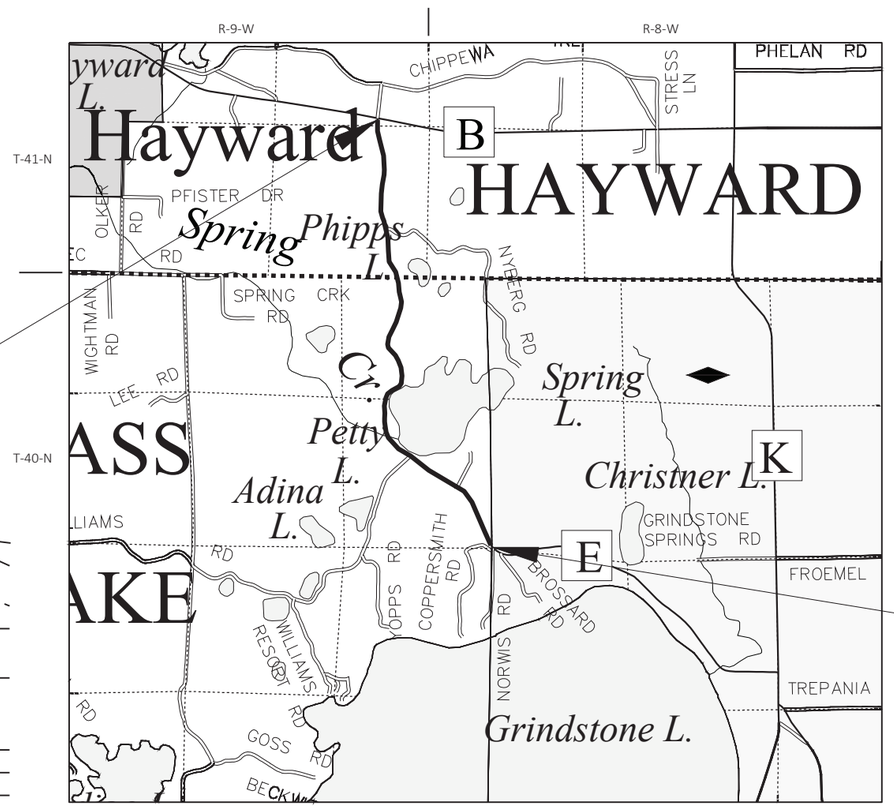
NORWIS ROAD TO CTH B

CTH E

SAWYER COUNTY

STATE PROJECT NUMBER
8773-00-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8773-00-72	WISC 2027054	1



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 3.254 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SAWYER 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 12A

ACCEPTED FOR

SAWYER COUNTY

Date 7/9/26 John Pinnow (Signature of Highway Commissioner)

ORIGINAL PLANS PREPARED BY

SEH Building a Better World for All of Us®

Short Elliott Hendrickson Inc.
10 North Bridge Street
Chippewa Falls, WI 54729
715.720.6200 | Main
www.sehinc.com

WISCONSIN
JUSTIN SHAVLIK
45324-6
CHIPPEWA FALLS
WISCONSIN
07-08-2026
PROFESSIONAL ENGINEER

DATE: _____ (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	TOU YANG
Regional Examiner	NW REGION
Regional Supervisor	TOU YANG

APPROVED FOR THE DEPARTMENT Digitally signed by Tou X. Yang Date: 2026.07.17 13:12:00-05'00'

DATE: _____ (Signature)

E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 01 TITLE\010101 TI.DWG

PLOT DATE : 7/7/2026 2:00 PM

PLOT BY : MATTHEW WINTER

PLOT NAME :

UTILITIES CONTACTS

DAIRYLAND POWER COOPERATIVE - ELECTRIC - TRANSMISSION
TRANSMISSION LINE
MIKE LYDON
3200 EAST AVENUE SOUTH, PO BOX 817
LA CROSSE, WI 54602
PHONE: 608-787-1381
EMAIL: MICHAEL.LYDON@DAIRYLANDPOWER.COM

JUMP RIVER ELECTRIC COOP - ELECTRIC
ELECTRIC
KRAIG GAY
13895W CR-B
HAYWARD, WI 54843
PHONE: 715-634-4575
EMAIL: KGAY@JREC.COM

SPECTRUM - COMMUNICATION LINE
COMMUNICATION LINE
MICKEY BENIK
2016 18 3/4 ST
RICE LAKE, WI 54868
PHONE: 715-210-3868
EMAIL: MICKEY.BENIK@CHARTER.COM

LUMEN - COMMUNICATION LINE
COMMUNICATION LINE
KYLE SCHLAMPP
20 S WILSON AVE
RICE LAKE, WI 54868
PHONE: 715-475-2029
EMAIL: KYLE.SCHLAMPP@LUMEN.COM

WE ENERGIES - GAS/PETROLEUM
GAS
STEVEN CHAVERS
104 W. SOUTH STREET
RICE LAKE, WI 54868
PHONE: 715-234-9605
EMAIL: STEVEN.CHAVERS@WE-ENERGIES.COM

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
PERMANENT SIGNING AND PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAILS

WISCONSIN DNR LIAISON

SHAWN HASELEU
WISCONSIN DNR
810 W MAPLE STREET
SPOONER WI 54801
PHONE: 715-416-0478
EMAIL: SHAWN.HASELEU@WISCONSIN.GOV

WISDOT TRIBAL LIAISON

CHARLES THANNUM
WISDOT NW REGION
1701 N. 4TH ST
SUPERIOR, WI 54880
PHONE: 715.392.7996
EMAIL:
CHARLES.THANNUM@DOT.WI.GOV

WISDOT CONTACT

TOU YANG PE
WISDOT NW REGION
718 W CLAIREMONT AVENUE
EAU CLAIRE WI 54701
PHONE: 715-833-5570
EMAIL: TOU.YANG@DOT.WI.GOV

DESIGN PROJECT MANAGER

JUSTIN SHAVLIK
SEH
10 NORTH BRIDGE STREET
CHIPPEWA FALLS WI 54729-2550
PHONE: 715-720-6279
EMAIL: JSHAVLIK@SEHINC.COM

COUNTY HIGHWAY COMMISSIONER

JOHN PINNOW
SAWYER COUNTY HIGHWAY COMMISSIONER
14688 W CTH B
HAYWARD WI 54843
PHONE: 123-123-1234
EMAIL: JOHN.PINNOW@SAWYERCOUNTYGOV.ORG

GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MINIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PAVING OR PIPE LAYING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO DRIVEWAYS SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER OPERATIONS ARE COMPLETED. ACCESS SHALL BE PROVIDED DURING ALL NON-WORKING HOURS.

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

SILT FENCE INSTALLED NEAR THE RIGHT-OF-WAY LINE SHALL BE INSTALLED BY HAND.

2

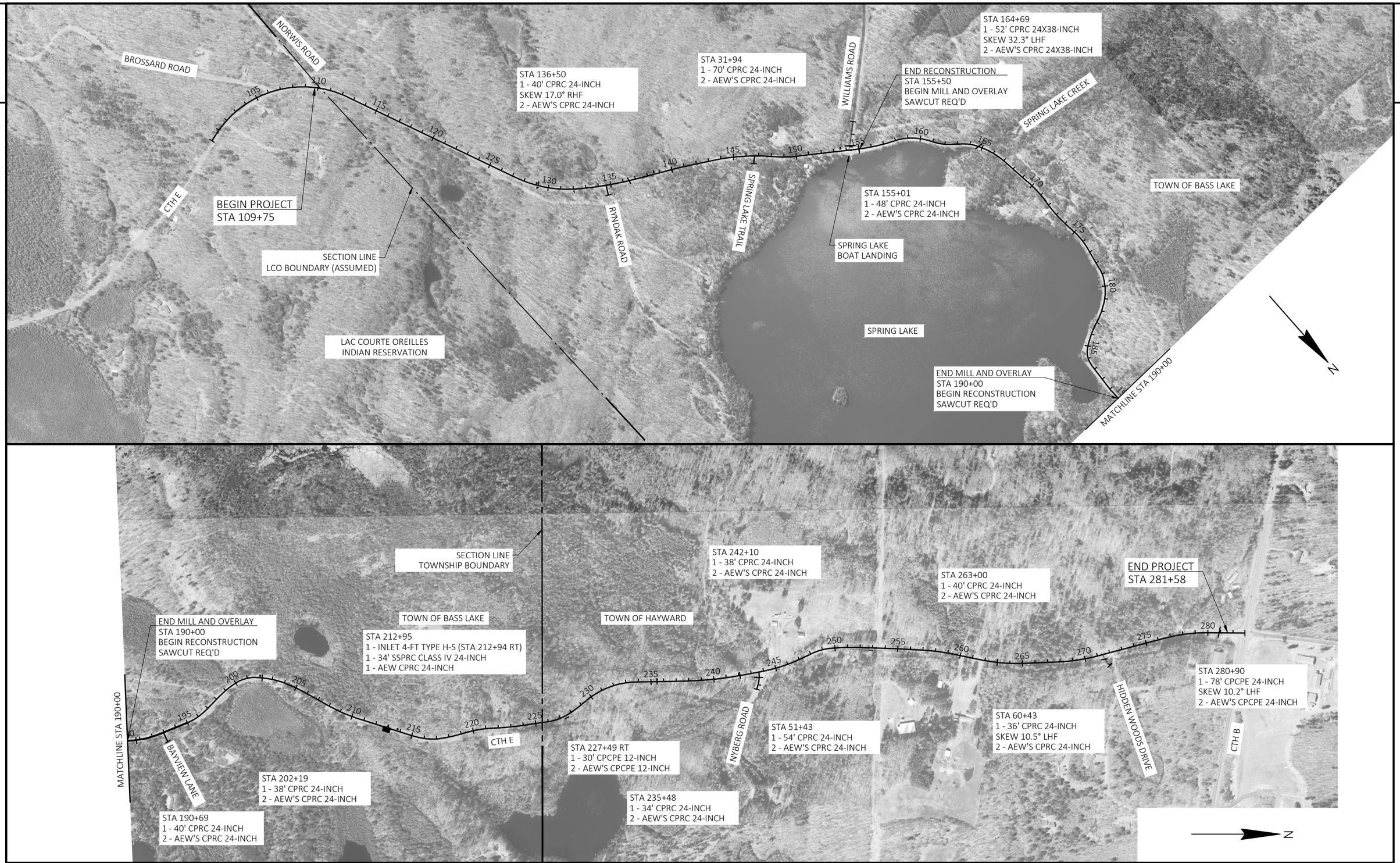
RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 26.3 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 18.3 ACRES

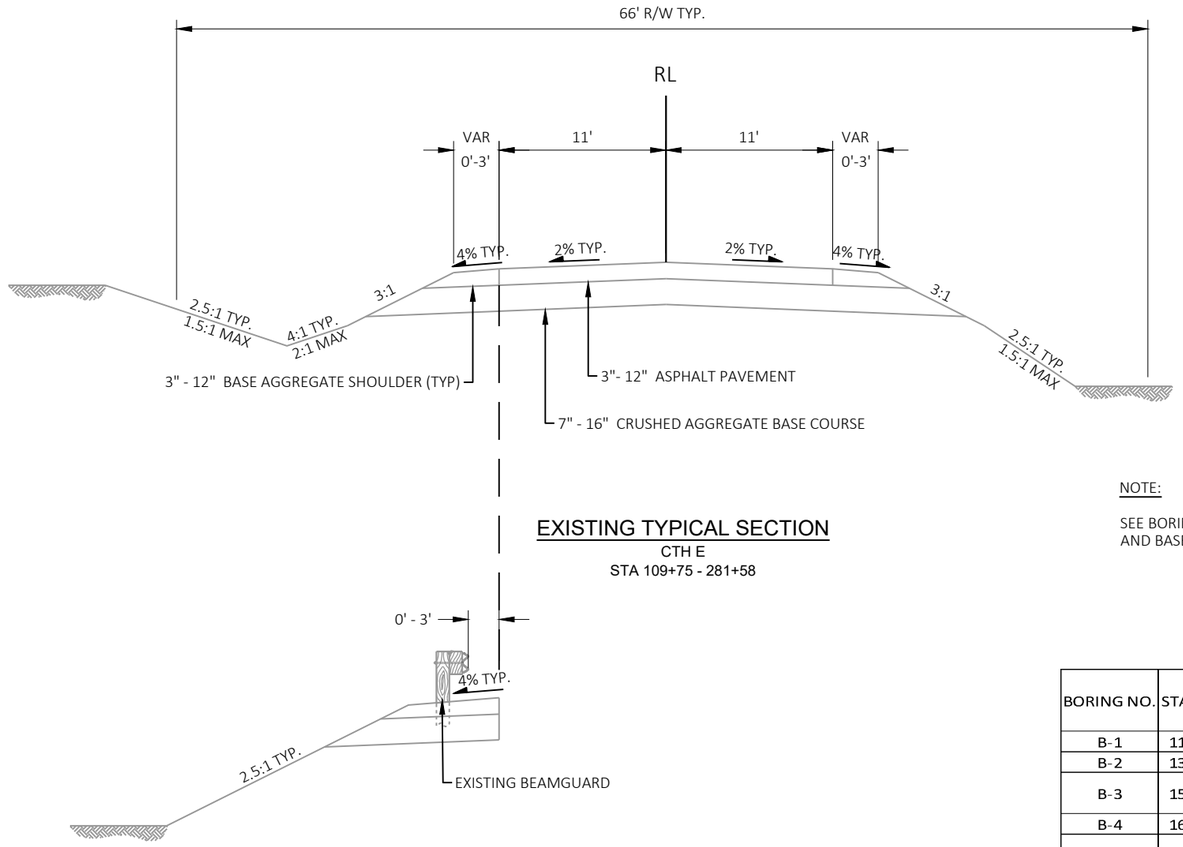
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL SECTION

CTH E
STA 109+75 - 281+58

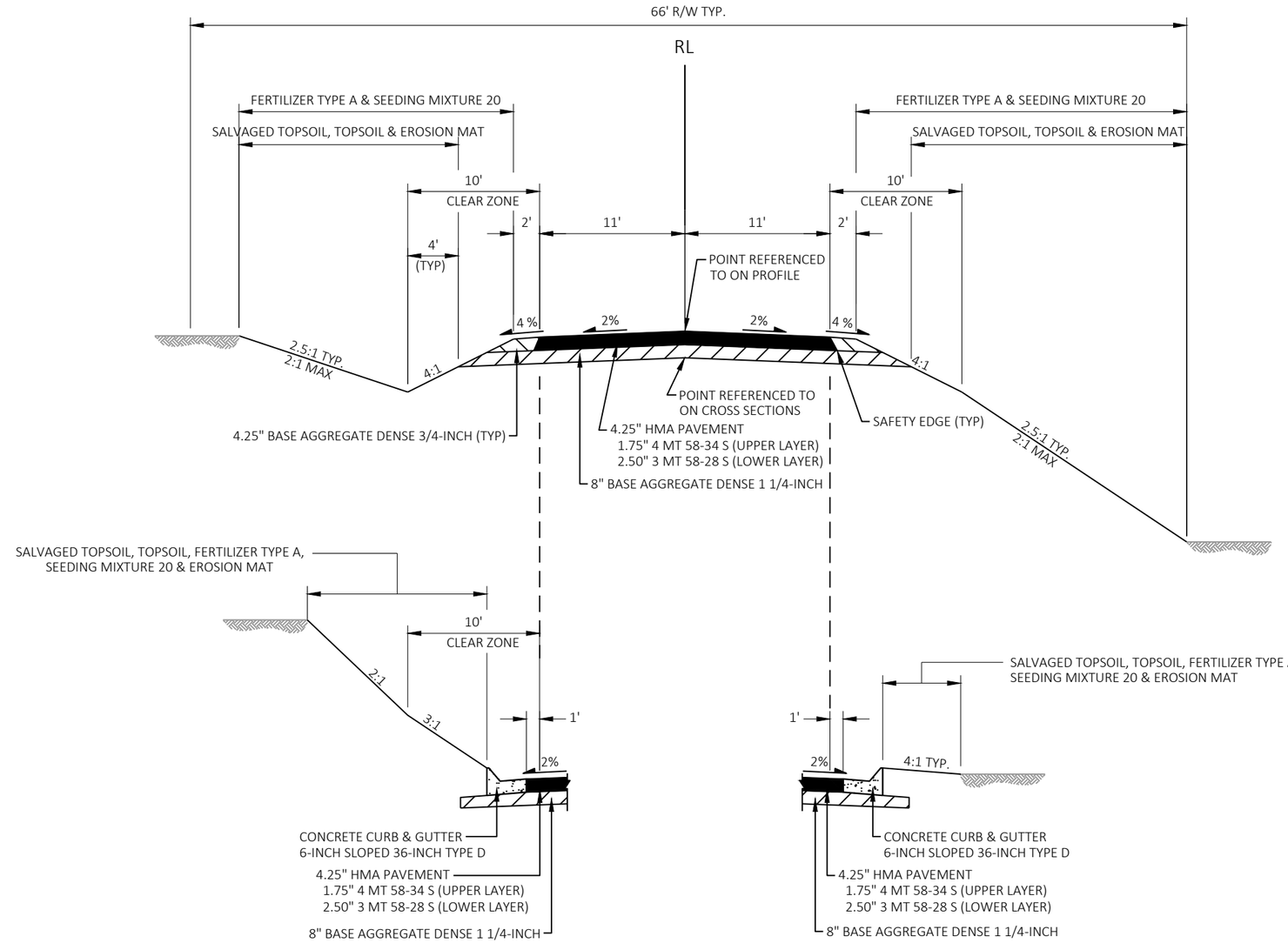
GUARDRAIL LOCATIONS

STA 163+42 - 164+64 RT
STA 164+47 - 165+37 LT
STA 272+63 - 275+16 LT

NOTE:

SEE BORING LOG FOR ASPHALT AND BASE COURSE DEPTHS.

BORING NO.	STATION	ASPHALTIC PAVEMENT DEPTH (IN)	BASE DEPTH (IN)	SUBBASE MATERIAL
B-1	110+25	5	8	BROWN SAND WITH GRAVEL AND SILT (FILL)
B-2	133+80	4	11	BROWN SILTY SAND WITH GRAVEL AND CLAY (FILL)
B-3	155+50	3	16	DARK GRAYISH BROWN AND BLACK SILTY SAND WITH CLAY (FILL)
B-4	164+00	9	10	DARK BROWN SILTY SAND WITH GRAVEL (FILL)
B-5	177+25	12	10	DARK BROWN AND BROWN SILTY SAND WITH GRAVEL (FILL)
B-6	184+60	7	9	DARK REDDISH BROWN CLAYEY SAND WITH GRAVEL (FILL)
B-7	202+25	8	11	DARK BROWN SAND WITH CLAY AND SILT SEAMS (FILL)
B-8	224+70	4	12	DARK BROWN AND GRAYISH BROWN CLAYEY SAND WITH SILT (FILL)
B-9	249+00	8	7	DARK BROWN AND GRAYISH BROWN CLAYEY SAND WITH SILT (FILL)
B-10	271+60	4	9	REDDISH BROWN SILTY SAND WITH GRAVEL (FILL)



NOTE:
WHEN PLACING EMBANKMENT ON SLOPES 10 FEET HIGH OR MORE AND STEEPER THAN 3:1, PROVIDE VERTICALLY FACED HORIZONTAL BENCHES IN THE SLOPES TO SUPPORT THE EMBANKMENT.

NOTE:
CENTERLINE RUBLES STRIPS ARE NOT REQUIRED.

CONCRETE CURB & GUTTER LOCATIONS

STA 129+20 - 131+70 LT
STA 136+50 - 138+50 LT
STA 146+91 - 153+50 LT
STA 200+00 - 202+00 LT
STA 213+80 - 218+50 LT

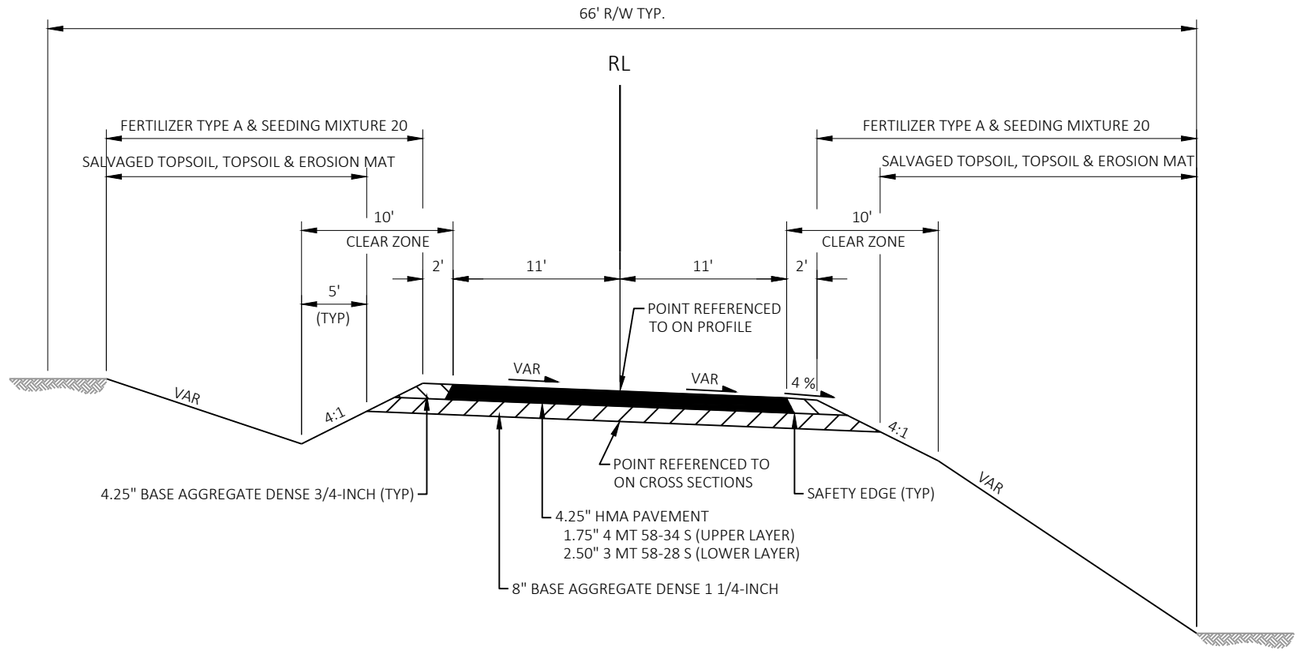
CONCRETE CURB & GUTTER LOCATIONS

STA 129+20 - 132+00 RT
STA 210+62 - 213+00 RT

FINISHED TYPICAL SECTION

CTH E
STA 109+75 - 155+50
STA 161+88 - 166+13
STA 190+00 - 281+58

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	TYPICAL SECTIONS	SHEET 5	E

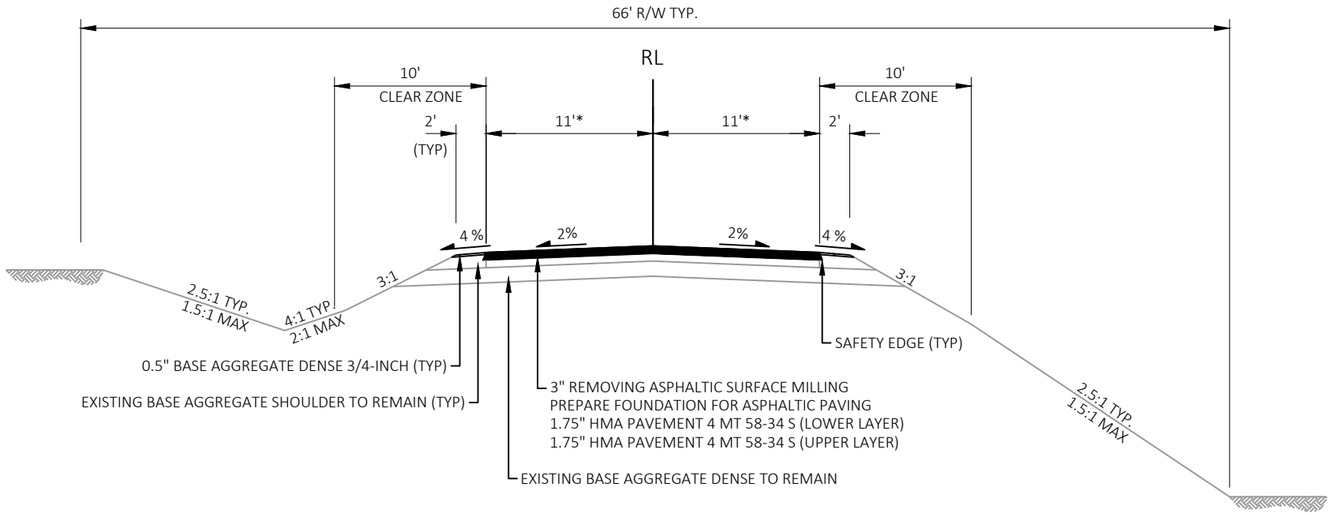


NOTE:
WHEN PLACING EMBANKMENT ON SLOPES 10 FEET HIGH OR MORE AND STEEPER THAN 3:1, PROVIDE VERTICALLY FACED HORIZONTAL BENCHES IN THE SLOPES TO SUPPORT THE EMBANKMENT.

NOTE:
CENTERLINE RUBLES STRIPS ARE NOT REQUIRED.

FINISHED TYPICAL SECTION

CTH E
STA 109+75 - 155+50
STA 190+00 - 281+58

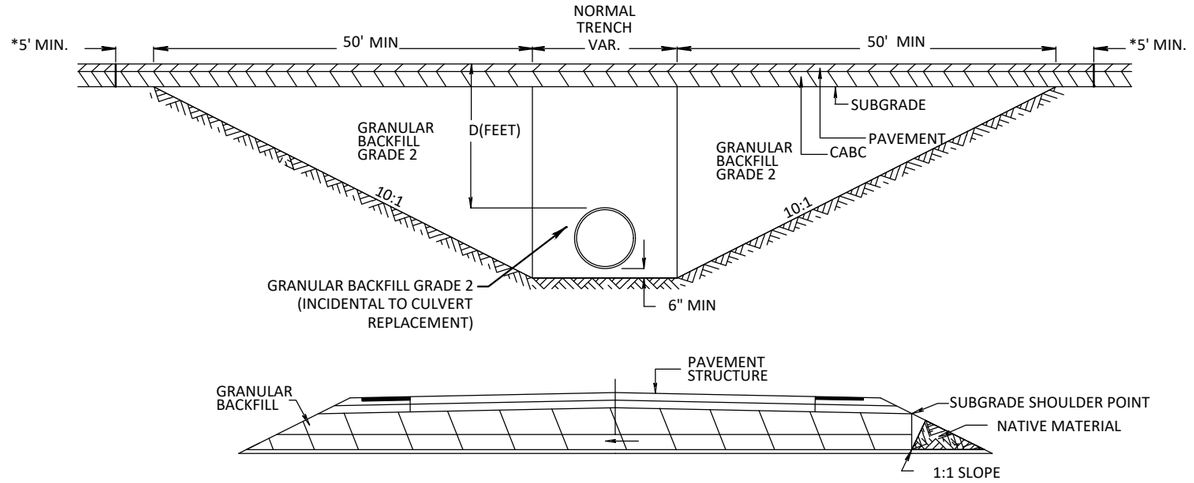


* 10' LANE STA 175+00 - 178+50

FINISHED TYPICAL SECTION

CTH E
STA 155+50 - 161+88
STA 166+13 - 190+00

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	TYPICAL SECTIONS	SHEET 6	E



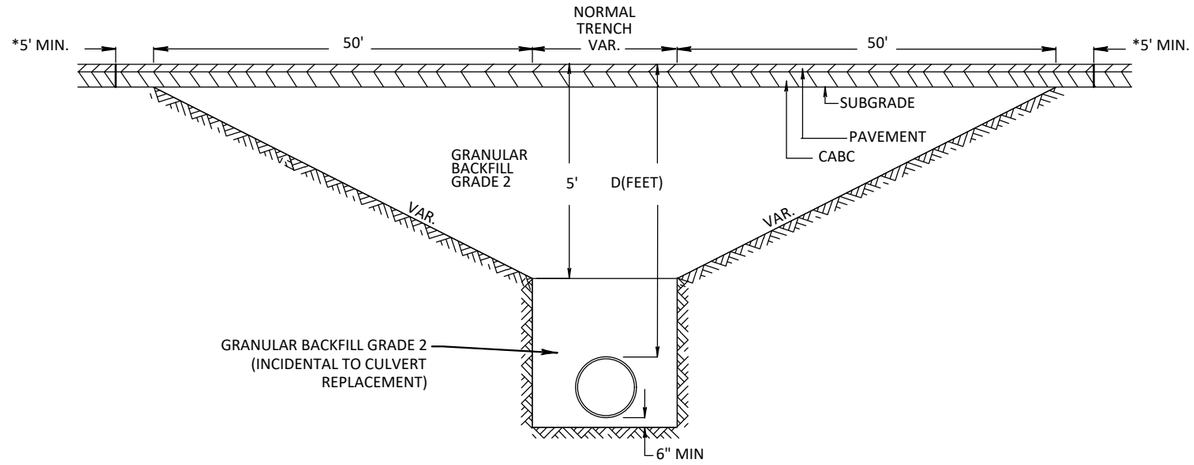
CROSS DRAIN INSTALLATION DETAIL

FOR D ≤ 5'

NOTE:

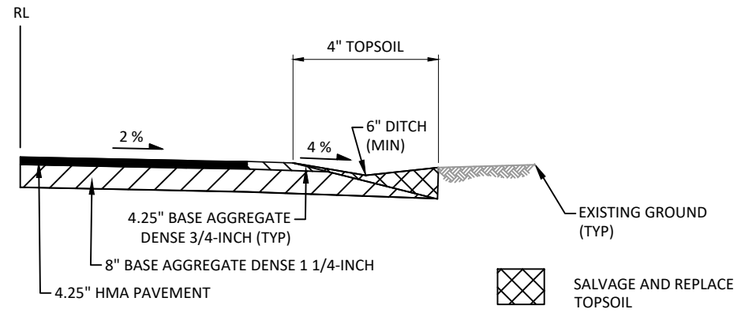
CULVERT NORMAL TRENCH EXCAVATION IS INCIDENTAL TO CULVERT PIPE ITEMS. CULVERT TAPER EXCAVATION WILL BE PAID AS EXCAVATION COMMON.
CULVERT TRENCH EXCAVATION WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.
PERFORM CULVERT PIPE INSTALLATION BEFORE PLACING HMA.

* PAVEMENT REMOVAL LIMITS (TYPICAL)



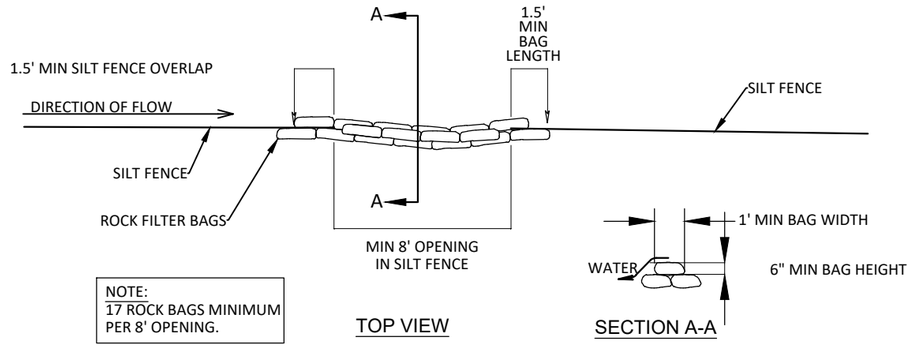
CROSS DRAIN INSTALLATION DETAIL

FOR D ≥ 5'



TOPSOIL DETAIL

STA 151+50 - 152+00 RT

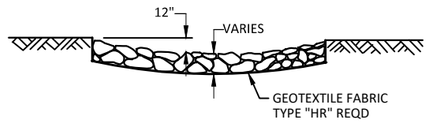


NOTE:
17 ROCK BAGS MINIMUM PER 8' OPENING.

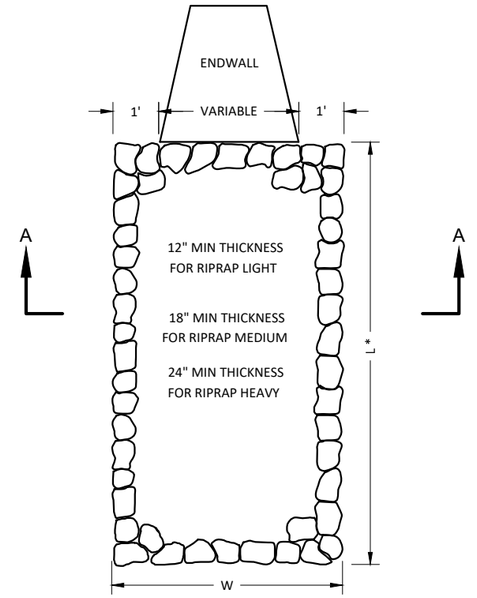
TOP VIEW

SECTION A-A

ROCK BAGS USED FOR SILT FENCE RELIEF



SECTION A-A



RIPRAP TREATMENT AT CULVERTS

* = DIMENSION SHOWN ON EROSION CONTROL DETAIL SHEETS.

2

NOTE: CURB & GUTTER ELEVATIONS ARE AT THE FLAG LINE.

STA 129+20 - 131+70 LT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

STA 129+20 - 132+00 RT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

STA 129+03.86
-11.00' LT
EL 1352.51

STA 129+19.94
-12.00' LT
EL 1353.00

STA 129+05.25
11.00' RT
EL 1353.66

STA 129+20
12.00' RT
EL 1354.20

STA 131+70.10
-12.00' LT
EL 1354.64

STA 131+85.93
-11.00' LT
EL 1354.36

STA 132+14.83
11.00' RT
EL 1354.66

STA 132+00
12.00' RT
EL 1355.20

1353.854
1354.880
1355.407
1355.436
1354.967
1355.054
1356.080
1356.607
1356.636
1356.167

128+00
129+00
130+00
131+00
132+00
133+00
134+00
135+00

CTH E

RYNDAK ROAD

N

STA 136+50 - 138+50 LT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

STA 136+34.94
-11.00' LT
EL 1332.18

STA 136+50
-12.00' LT
EL 1331.18

STA 138+50
-12.00' LT
EL 1319.10

STA 138+65.63
-11.00' LT
EL 1318.69

1327.870
1324.598
1321.396

135+00
136+00
137+00
138+00
139+00
140+00
141+00
142+00

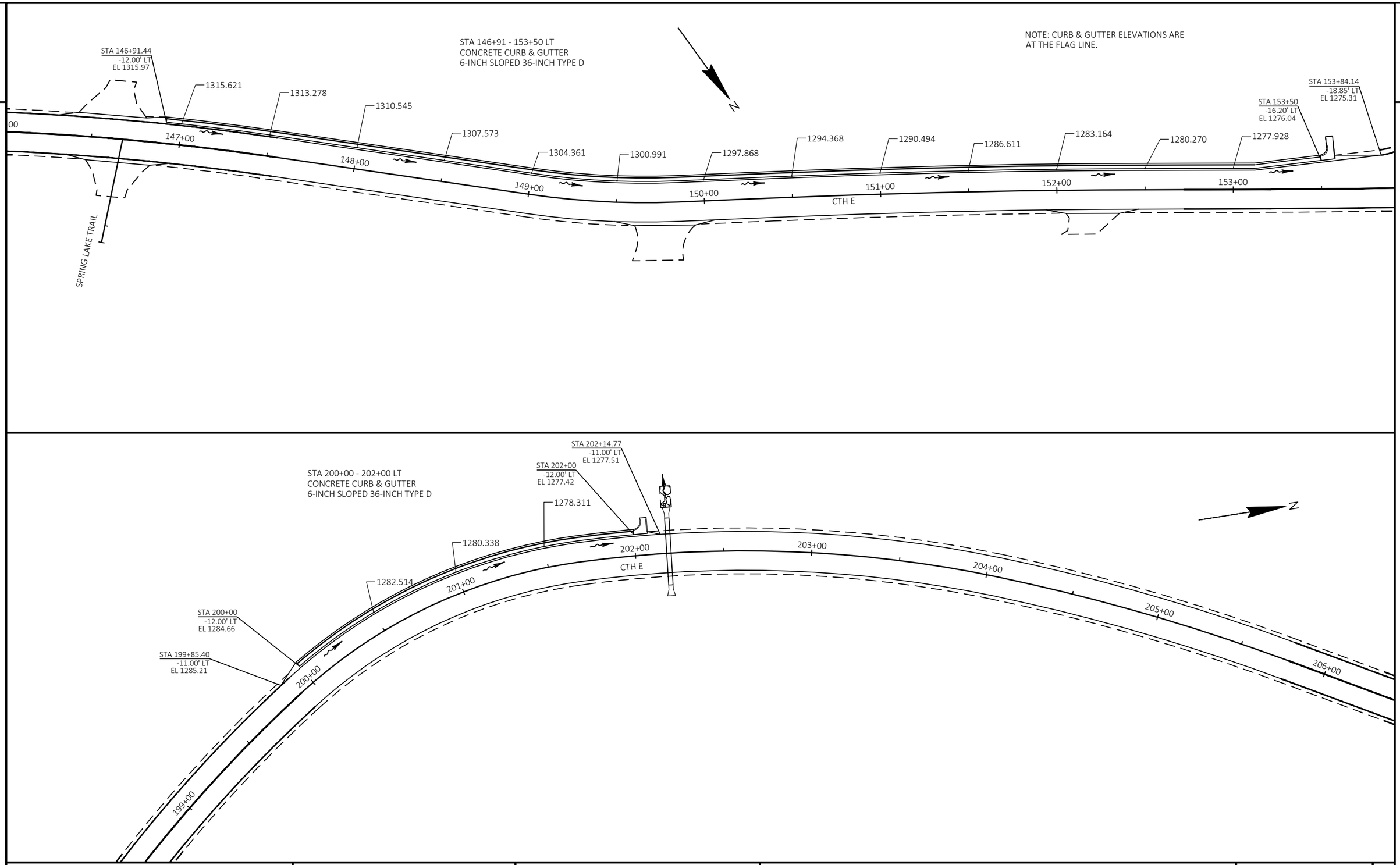
CTH E

RYNDAK ROAD

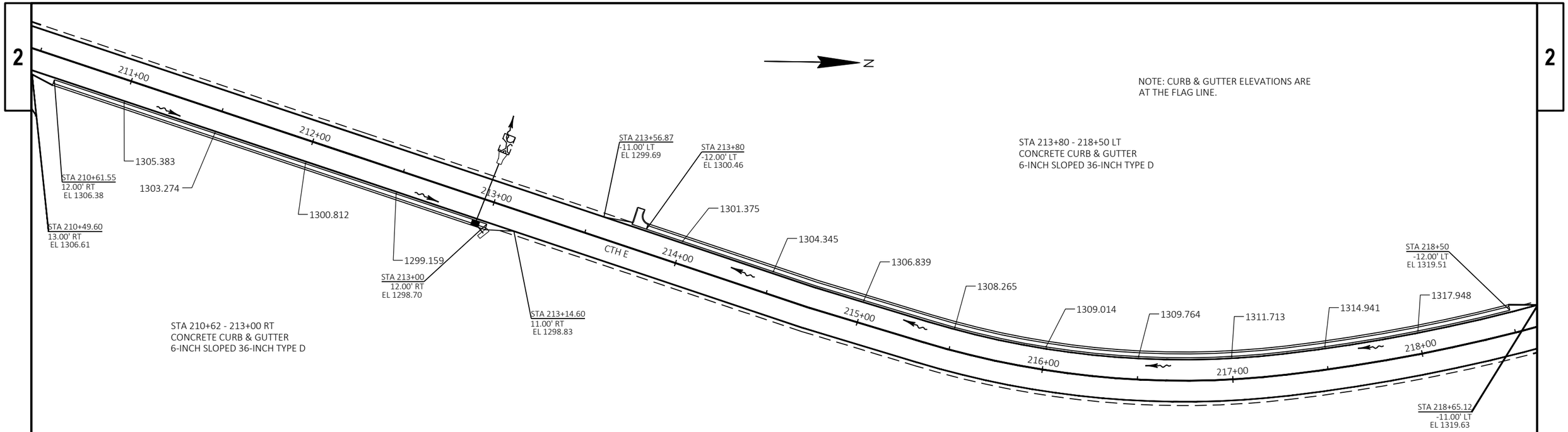
N

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PAVING DETAIL	SHEET 9	E

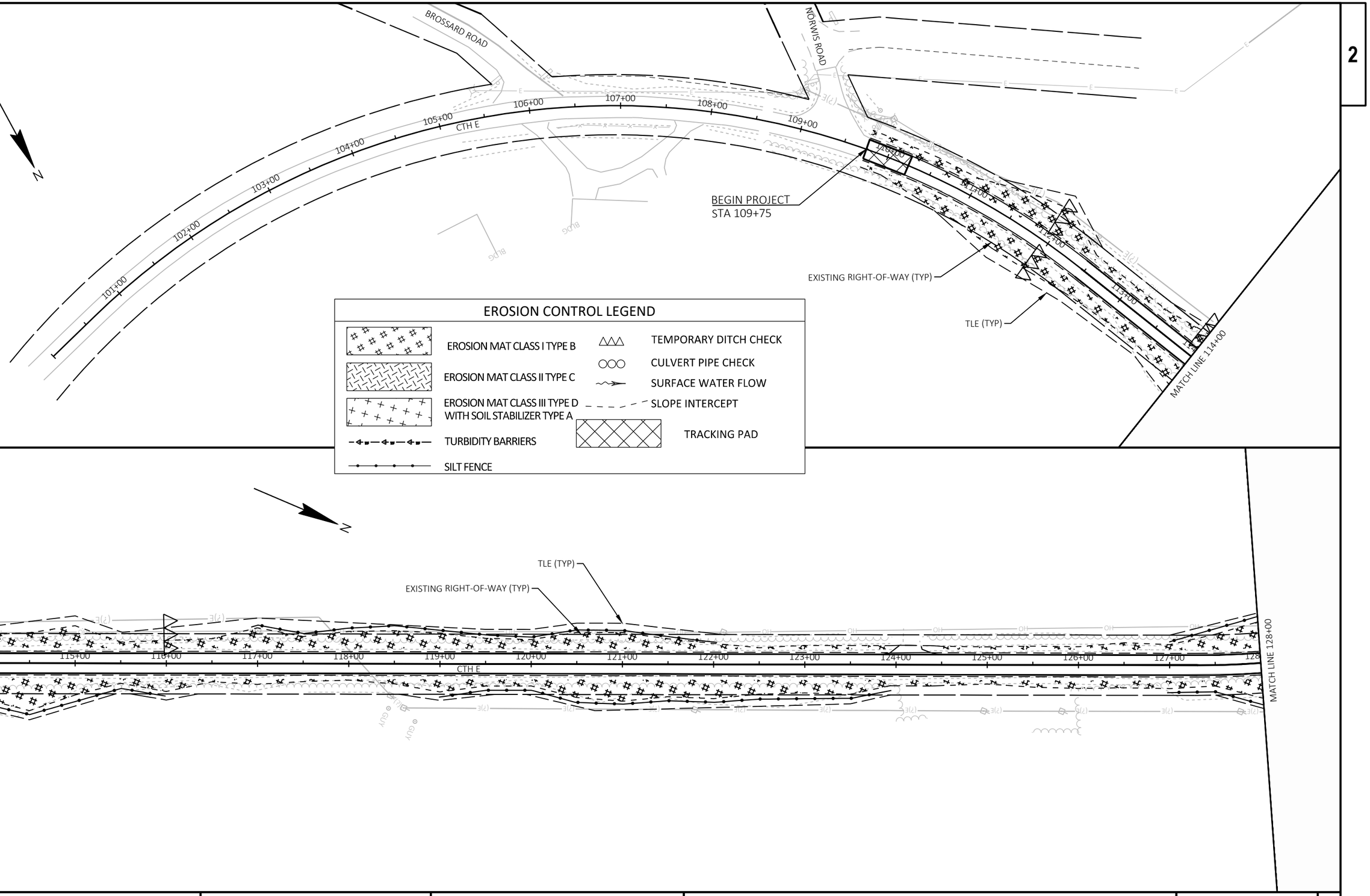
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\021201 PD.DWG
LAYOUT NAME - 01
PLOT DATE : 8/2/2026 6:49 PM
PLOT BY : JUSTIN SHAVLIK
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PAVING DETAIL	SHEET 10	E

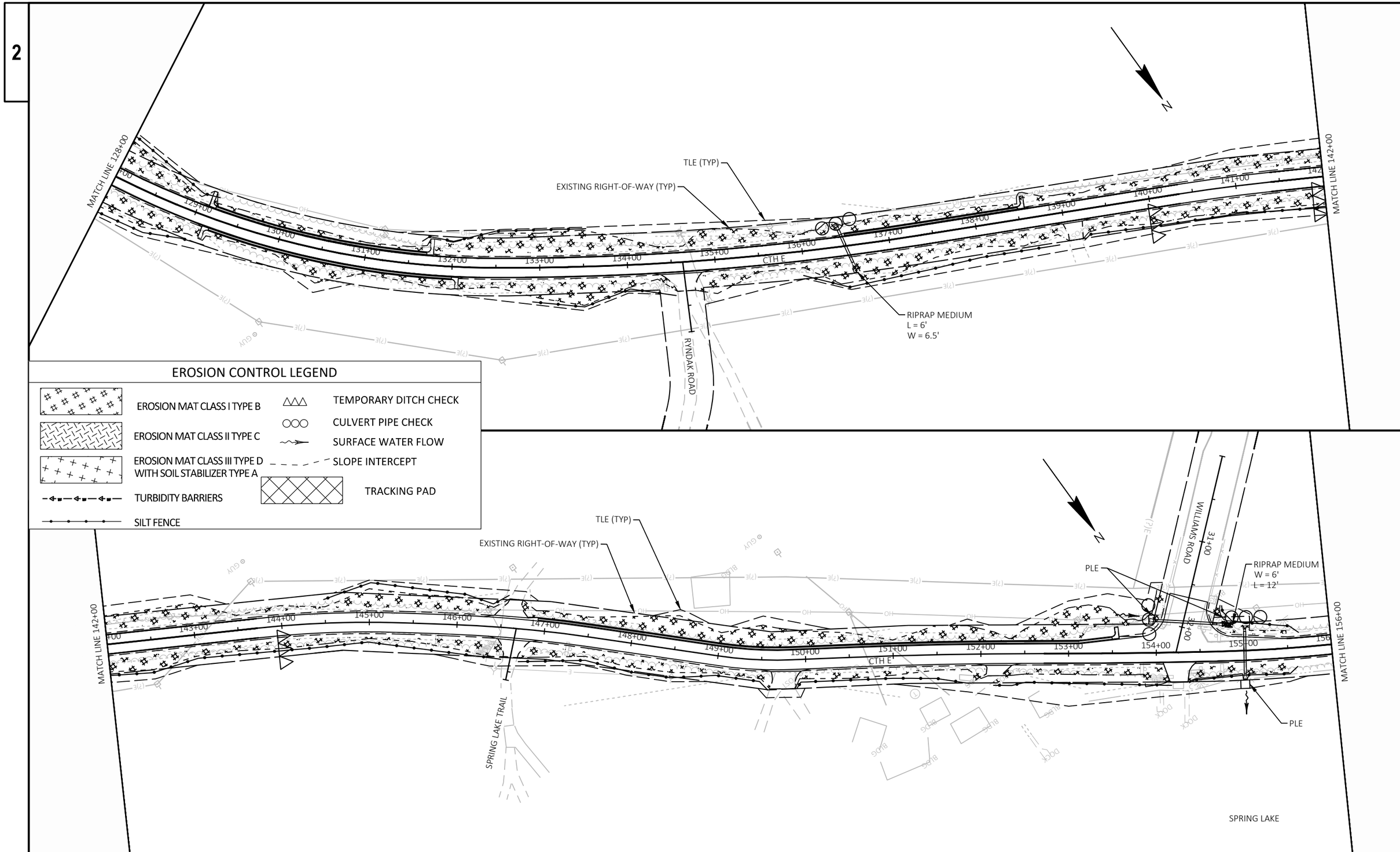


THIS FRAME INTENTIONALLY LEFT BLANK



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 12	E

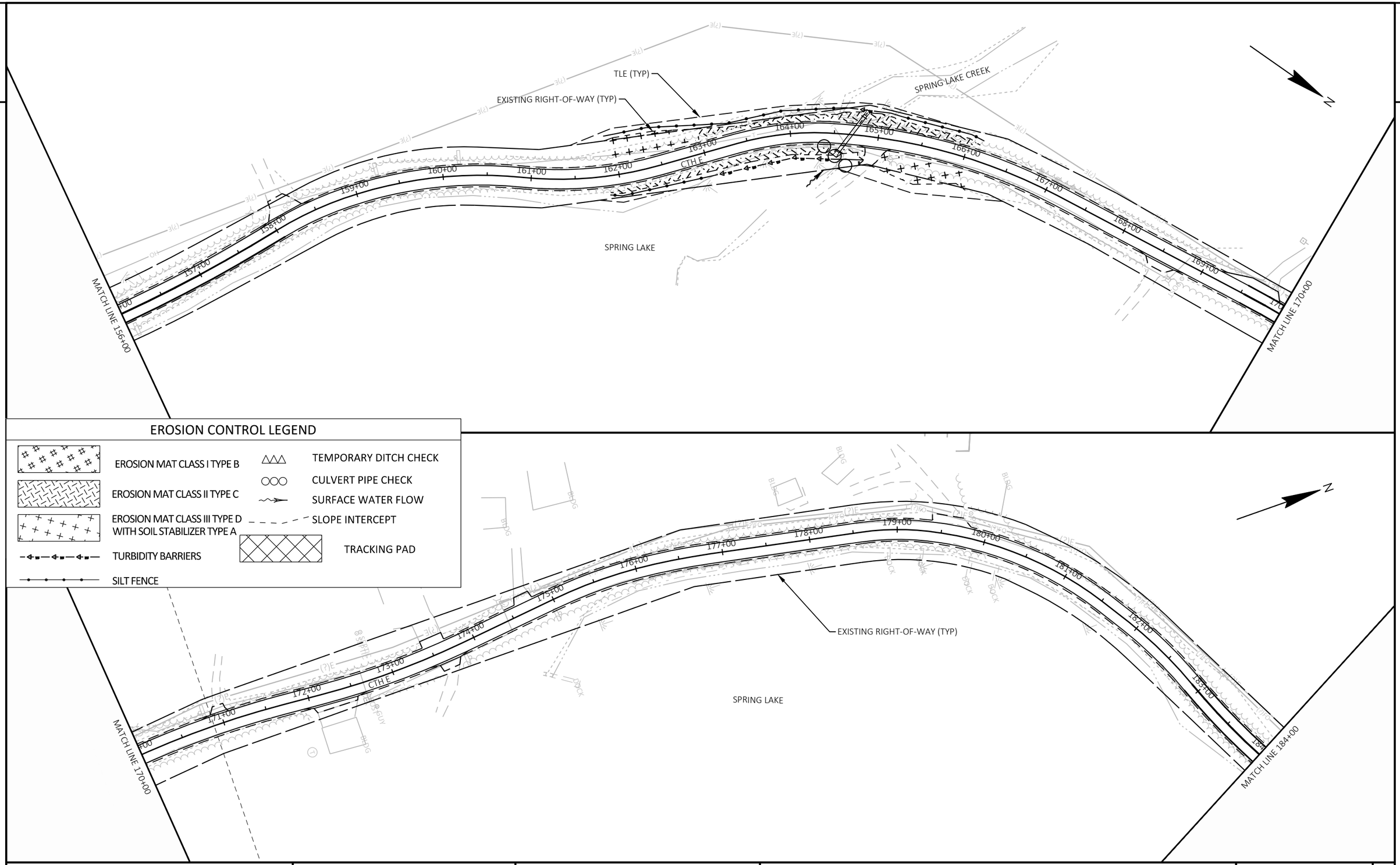
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\022001 EC.DWG
LAYOUT NAME - 01
PLOT DATE : 8/1/2026 7:41 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 44



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 13	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\022001 EC.DWG
LAYOUT NAME - 02
PLOT DATE : 8/1/2026 7:41 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : ###########
WISDOT/CADDS SHEET 44

2



EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- EROSION MAT CLASS III TYPE D WITH SOIL STABILIZER TYPE A
- TURBIDITY BARRIERS
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- TRACKING PAD

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 14	E

2

N

MATCH LINE 184+00

MATCH LINE 198+00

SPRING LAKE

CTH E

TLE (TYP)

EXISTING RIGHT-OF-WAY (TYP)

PLE

RIPRAP LIGHT
W = 6'
L = 12'

BAYVIEW LANE

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- EROSION MAT CLASS III TYPE D WITH SOIL STABILIZER TYPE A
- TURBIDITY BARRIERS
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- TRACKING PAD

N

RIPRAP LIGHT
W = 6'
L = 12'

EXISTING RIGHT-OF-WAY (TYP)

TLE (TYP)

CTH E

MATCH LINE 198+00

MATCH LINE 212+00

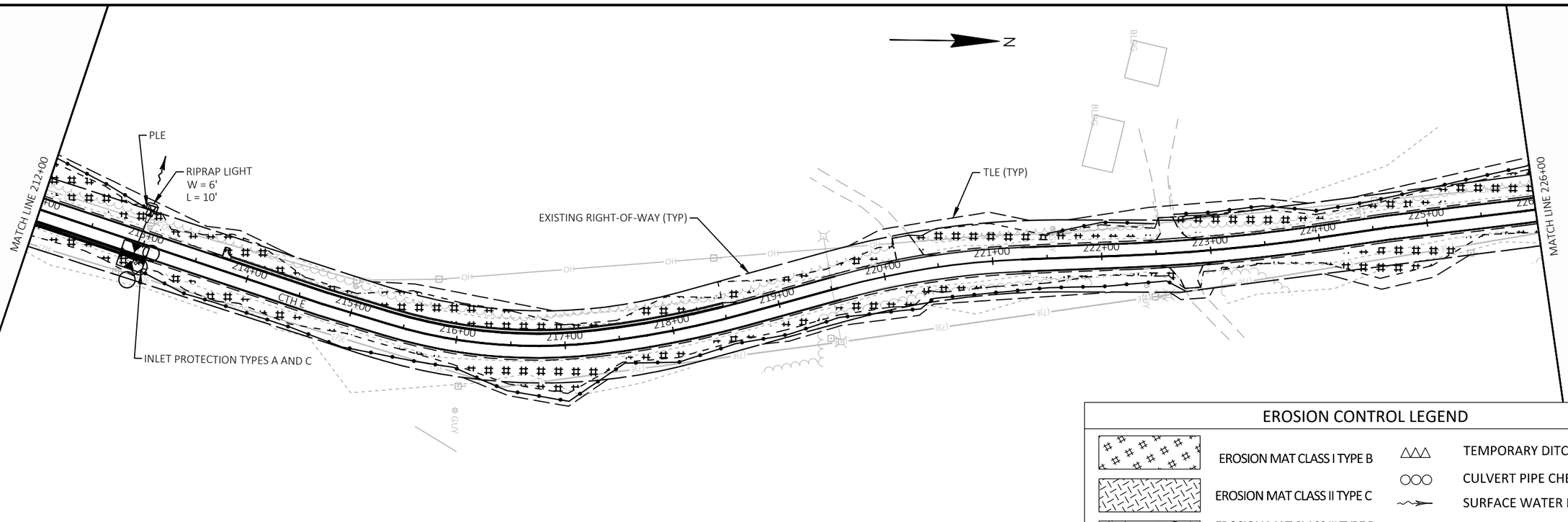
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 15	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\022001 EC.DWG
LAYOUT NAME - 04

PLOT DATE : 8/1/2026 7:43 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ###########

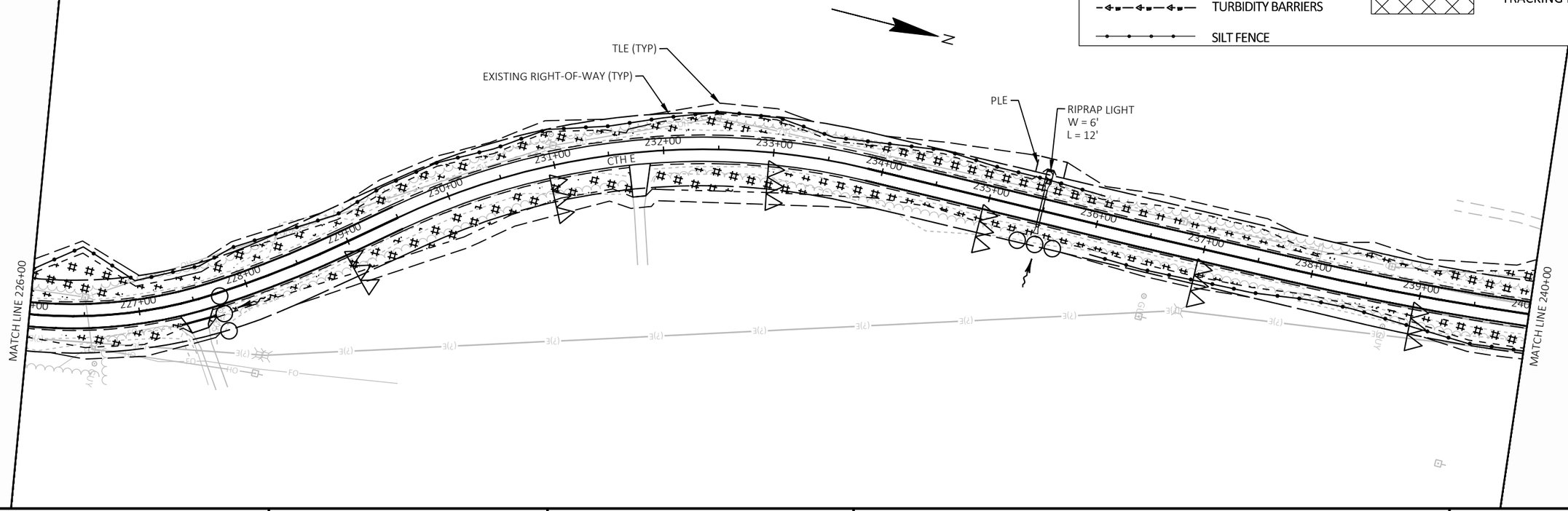
WISDOT/CADDS SHEET 44

2

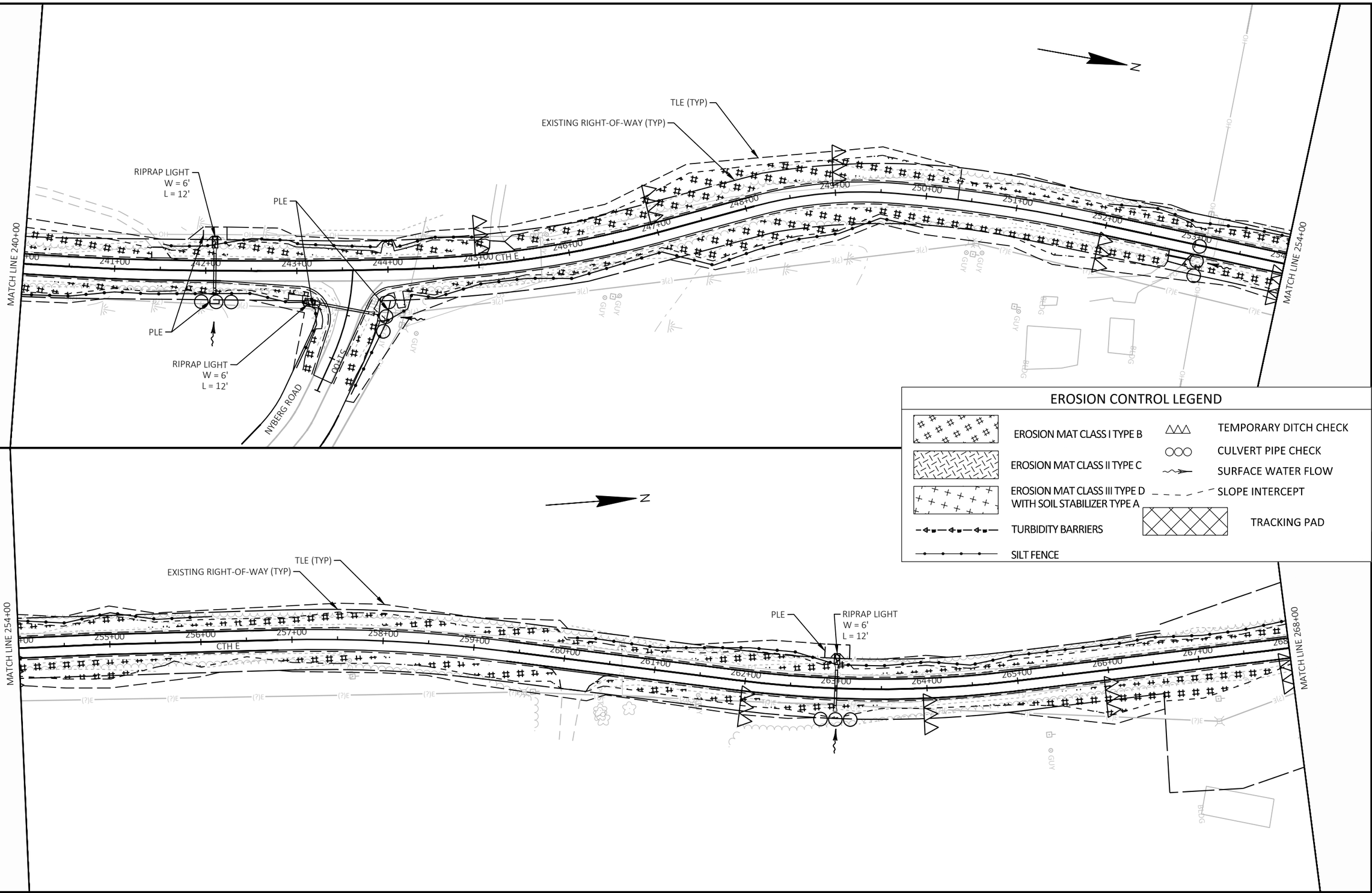


EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- EROSION MAT CLASS III TYPE D WITH SOIL STABILIZER TYPE A
- TURBIDITY BARRIERS
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- TRACKING PAD



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 16	E



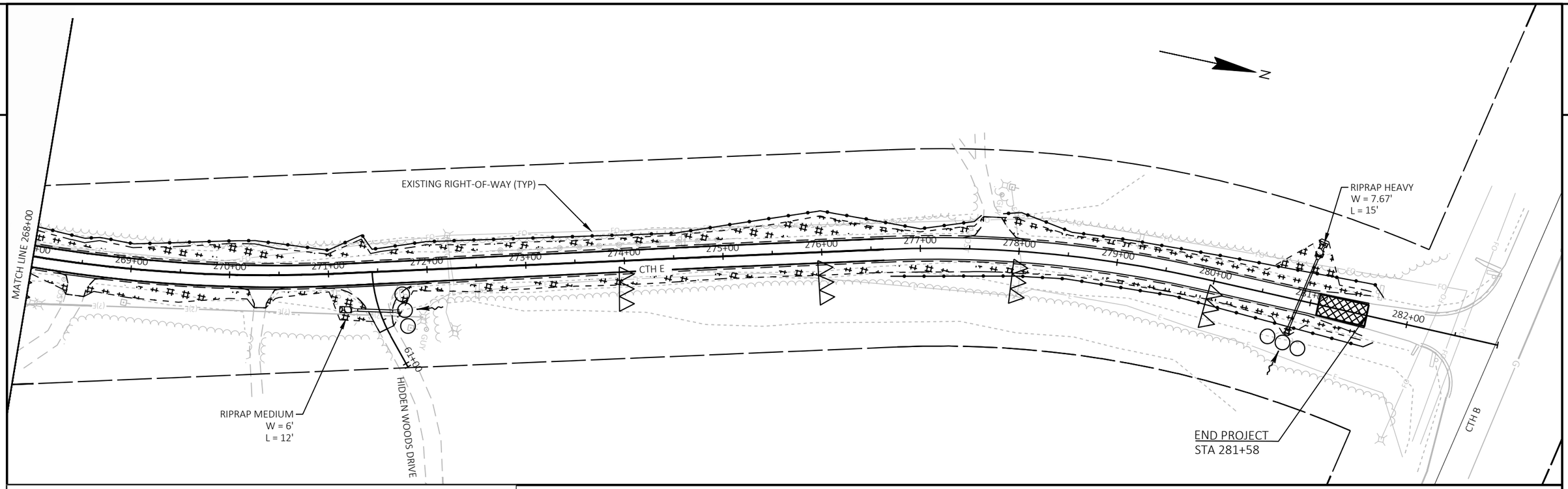
EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- EROSION MAT CLASS III TYPE D WITH SOIL STABILIZER TYPE A
- TURBIDITY BARRIERS
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- TRACKING PAD

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 17	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\022001 EC.DWG
LAYOUT NAME - 06

PLOT DATE : 8/1/2026 7:43 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ##########

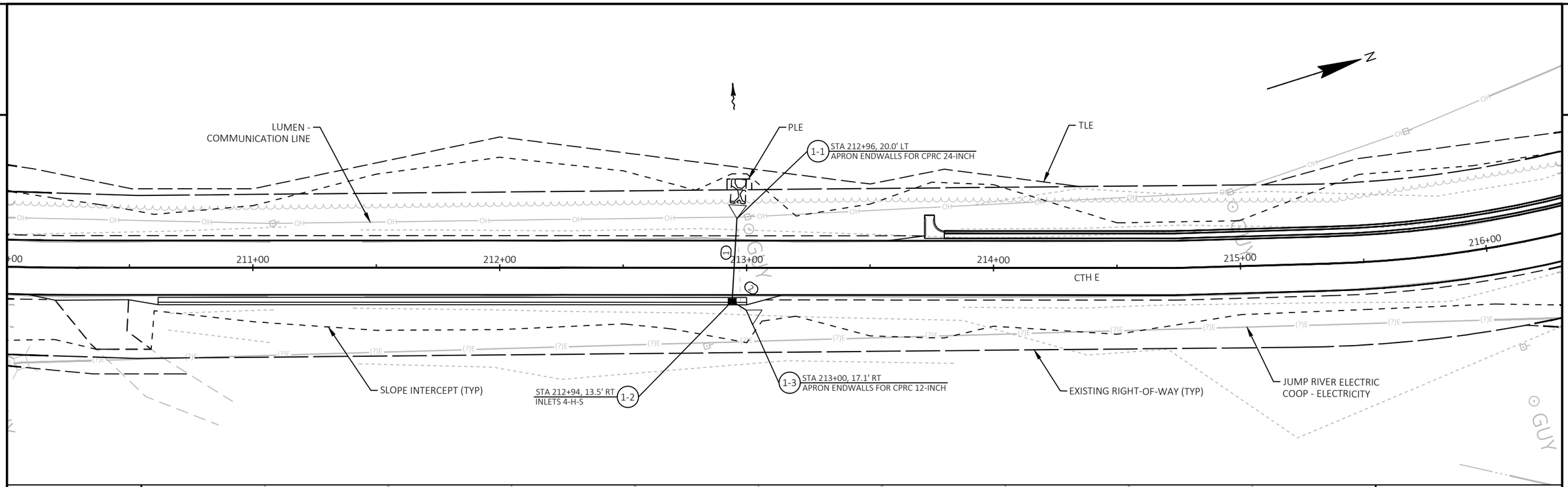


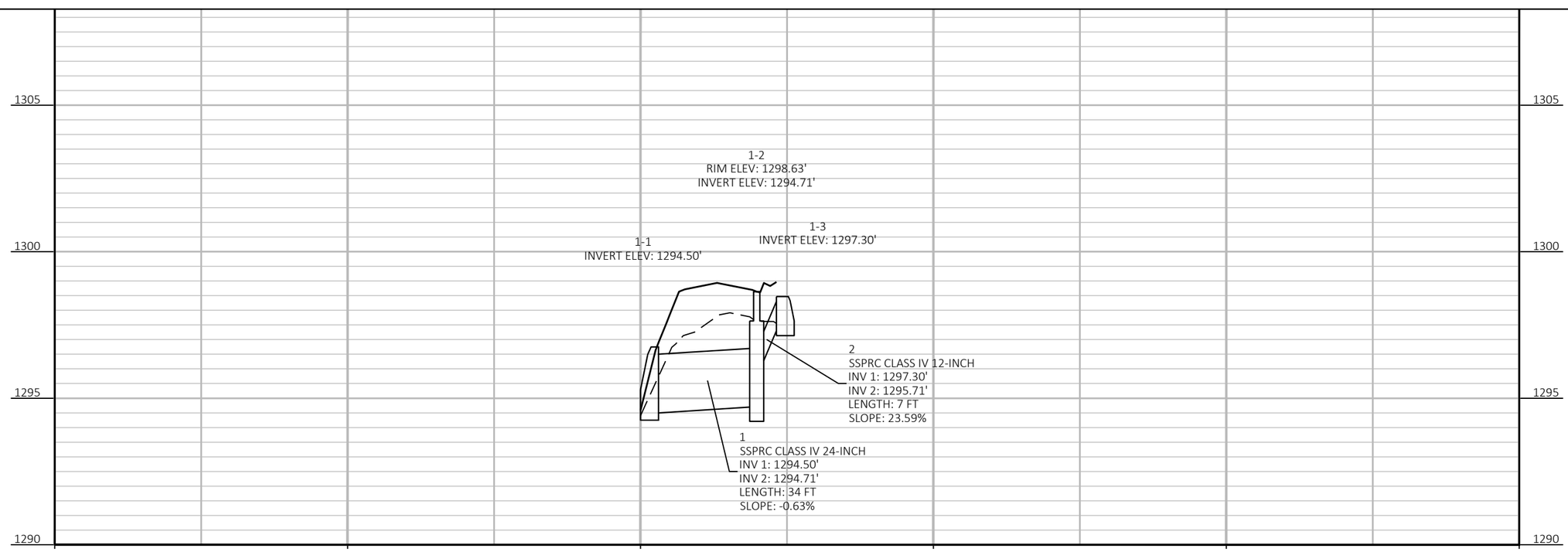
EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- EROSION MAT CLASS III TYPE D WITH SOIL STABILIZER TYPE A
- TURBIDITY BARRIERS
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- TRACKING PAD

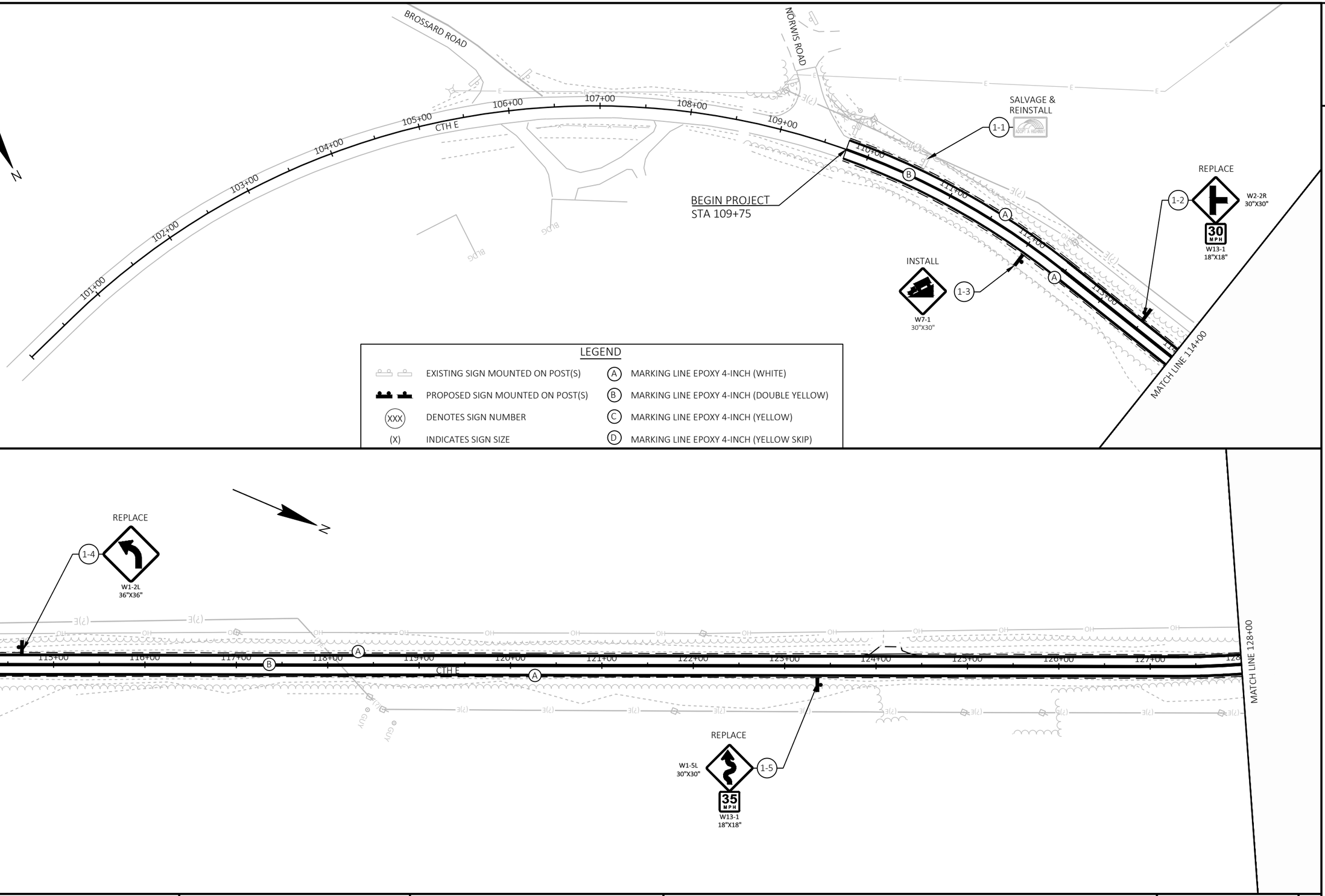
THIS FRAME INTENTIONALLY LEFT BLANK

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	EROSION CONTROL	SHEET 18	E





PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	STORM SEWER	SHEET 19	E

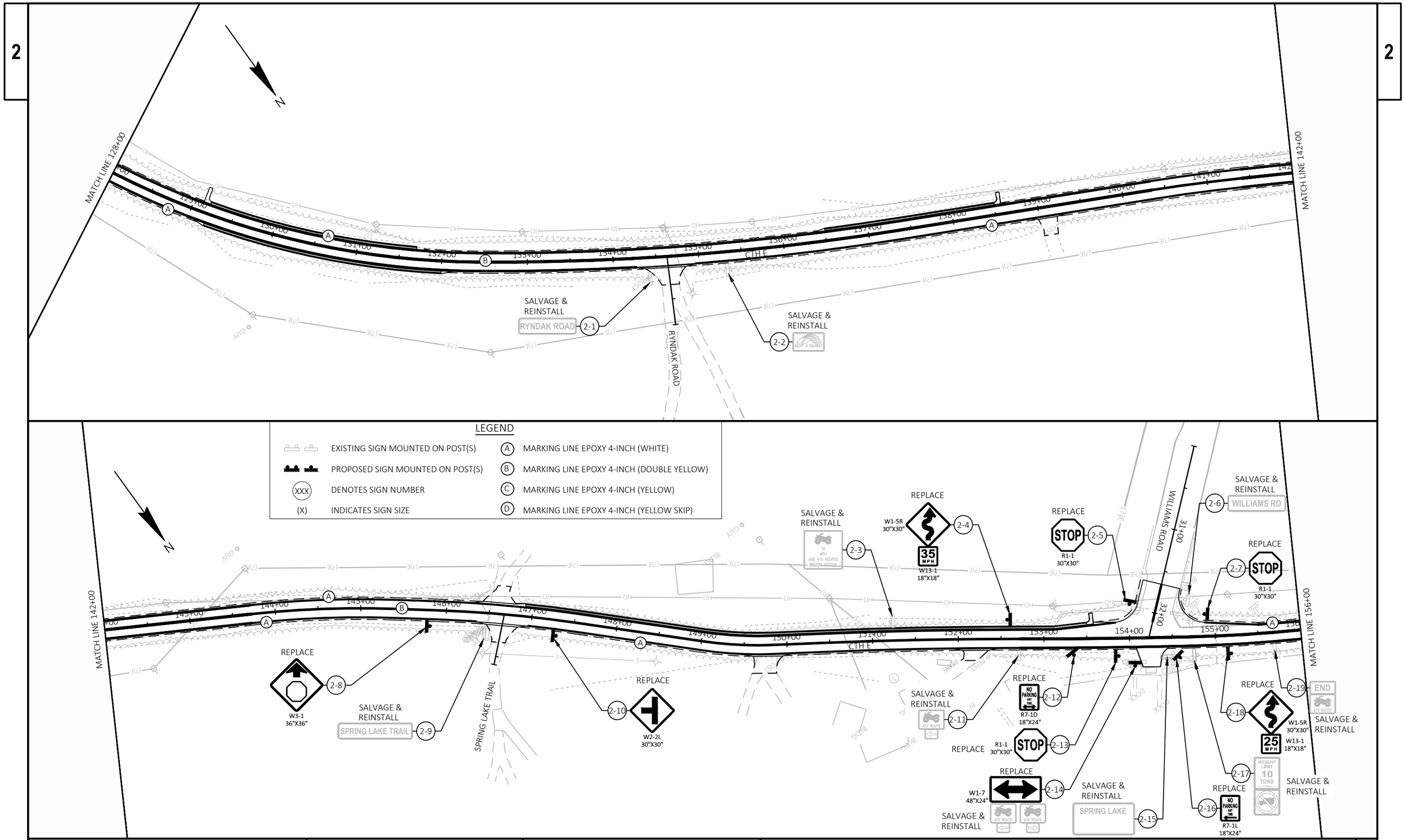


LEGEND

EXISTING SIGN MOUNTED ON POST(S)	(A) MARKING LINE EPOXY 4-INCH (WHITE)
PROPOSED SIGN MOUNTED ON POST(S)	(B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
(XXX) DENOTES SIGN NUMBER	(C) MARKING LINE EPOXY 4-INCH (YELLOW)
(X) INDICATES SIGN SIZE	(D) MARKING LINE EPOXY 4-INCH (YELLOW SKIP)

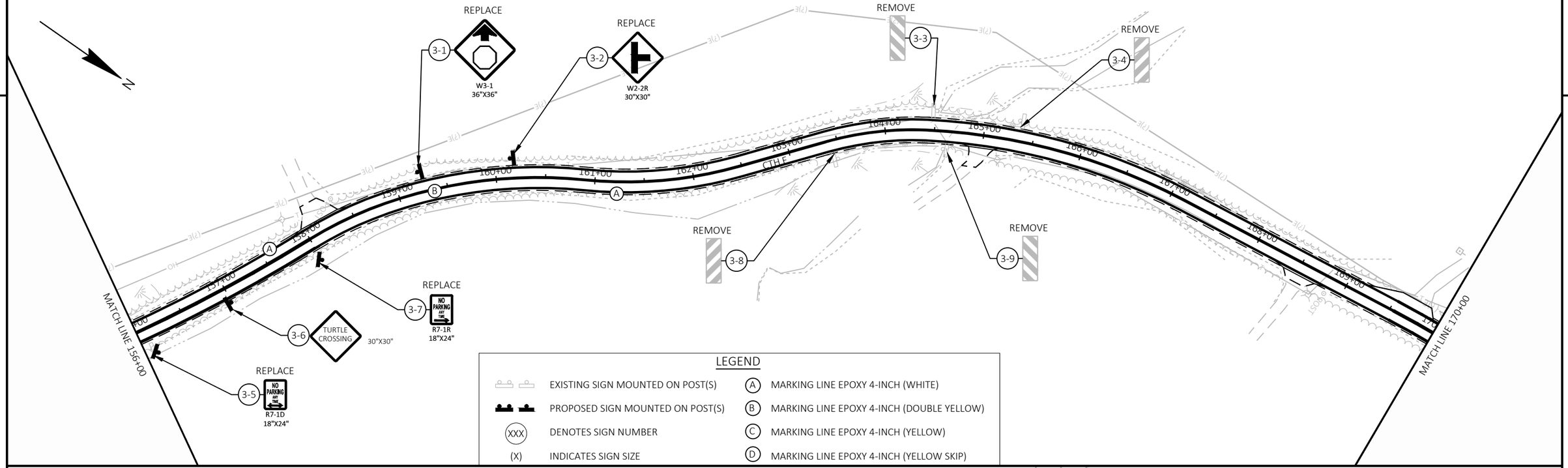
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 20	E

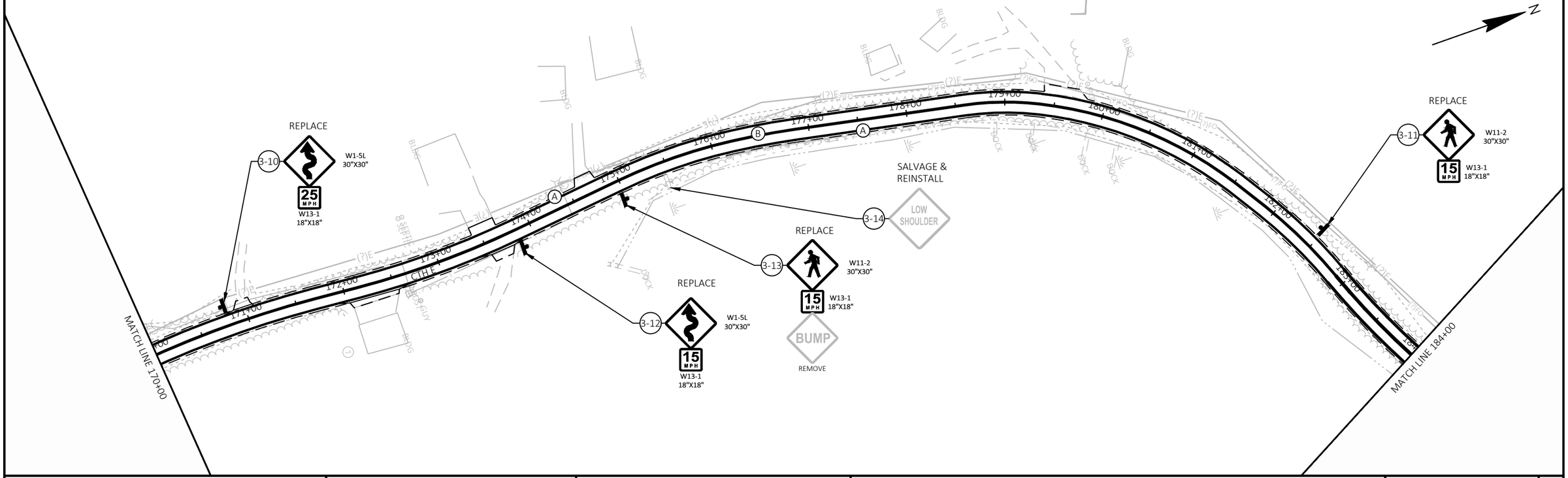
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\023201 PS.DWG
LAYOUT NAME - 01
PLOT DATE : 7/30/2026 1:02 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 44



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 21	E

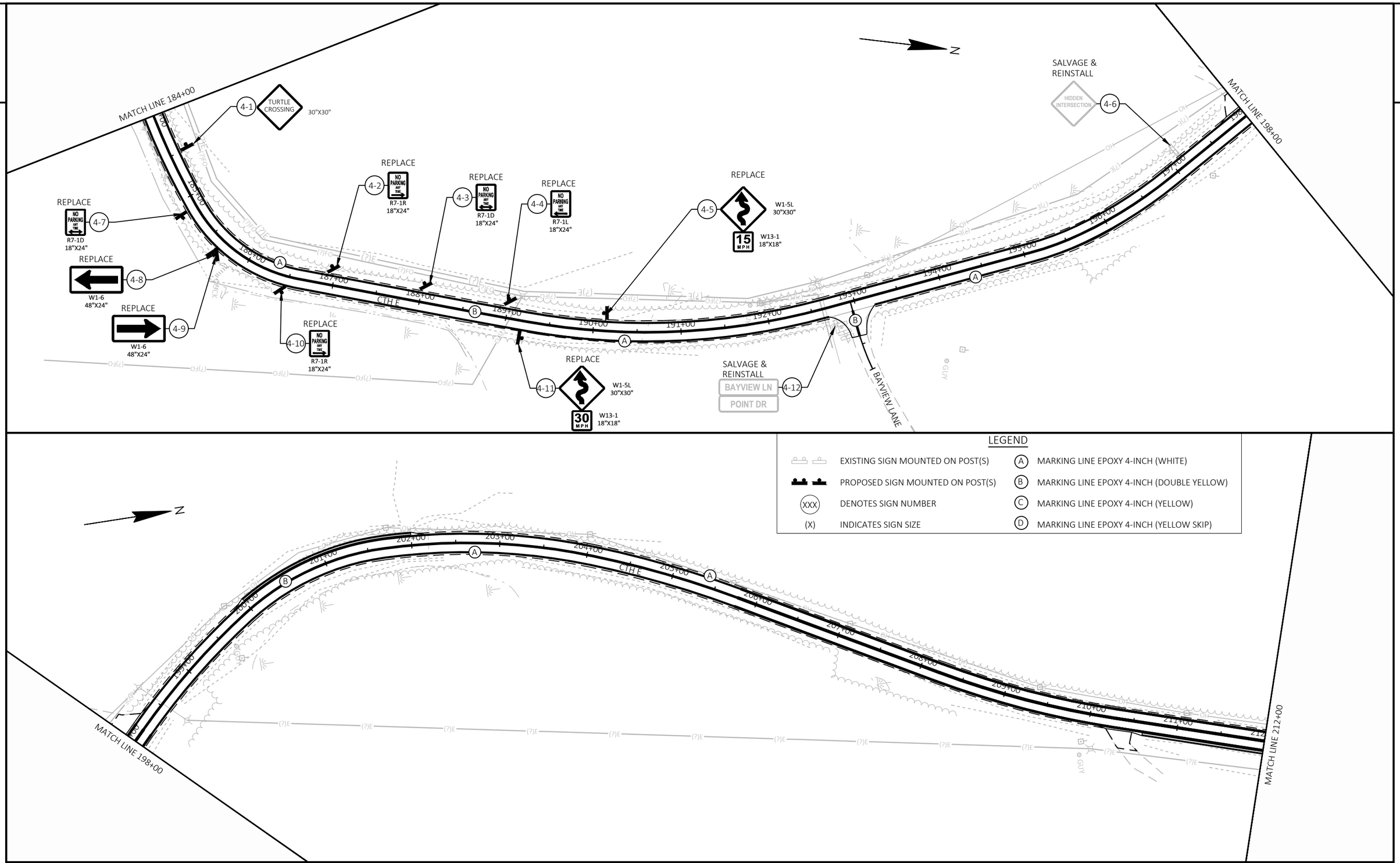
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\023201 PS.DWG
LAYOUT NAME - 02
PLOT DATE : 7/30/2026 1:02 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ###########
WISDOT/CADDS SHEET 44





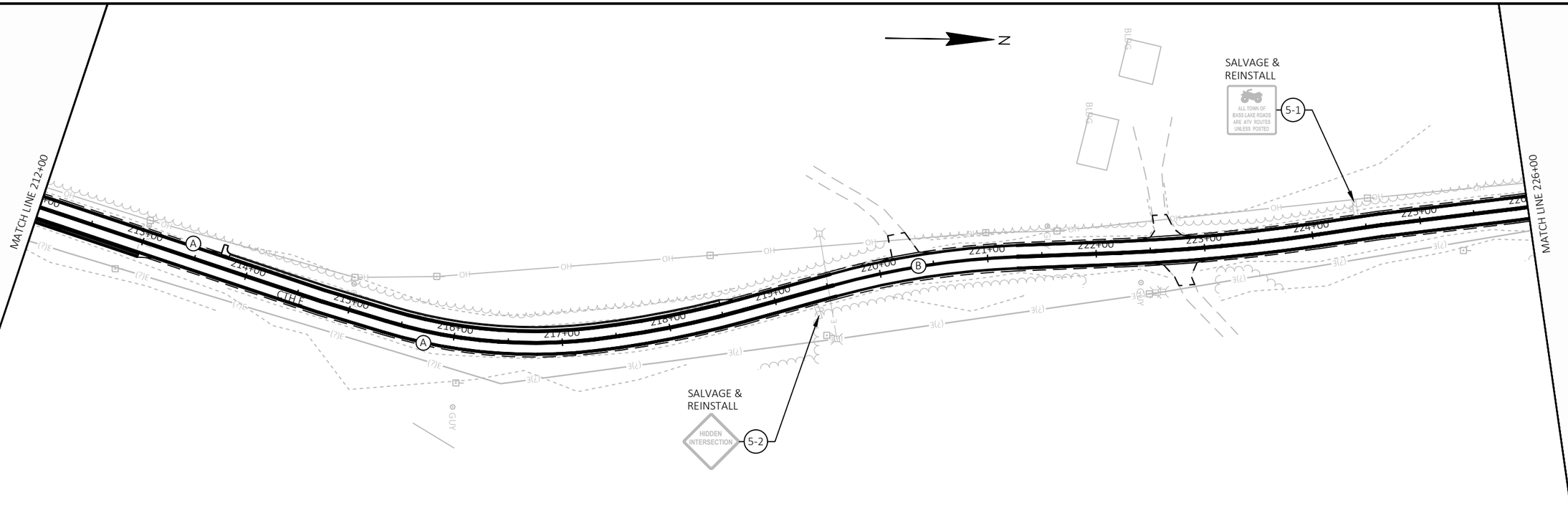
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 22	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\023201 PS.DWG
LAYOUT NAME - 03
PLOT DATE : 7/30/2026 12:52 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 44



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 23	E

2

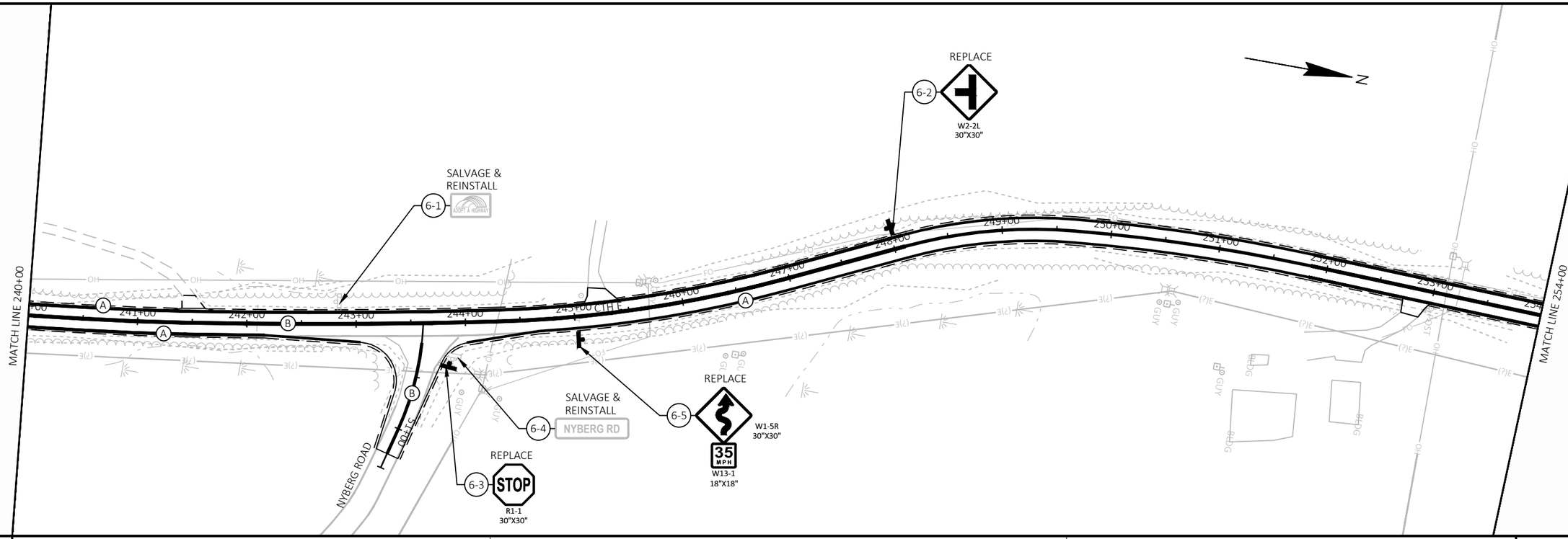


LEGEND

	EXISTING SIGN MOUNTED ON POST(S)	(A)	MARKING LINE EPOXY 4-INCH (WHITE)
	PROPOSED SIGN MOUNTED ON POST(S)	(B)	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
(XXX)	DENOTES SIGN NUMBER	(C)	MARKING LINE EPOXY 4-INCH (YELLOW)
(X)	INDICATES SIGN SIZE	(D)	MARKING LINE EPOXY 4-INCH (YELLOW SKIP)

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 24	E

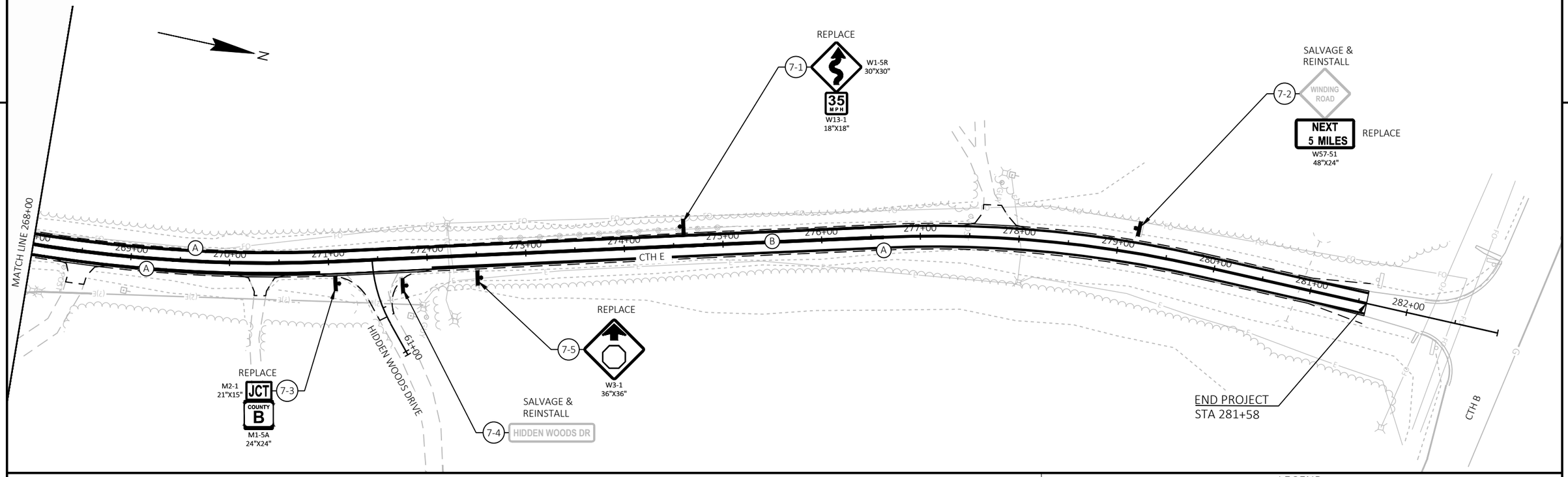
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\023201 PS.DWG
LAYOUT NAME - 05
PLOT DATE : 7/30/2026 12:55 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



LEGEND

EXISTING SIGN MOUNTED ON POST(S)	(A) MARKING LINE EPOXY 4-INCH (WHITE)
PROPOSED SIGN MOUNTED ON POST(S)	(B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
(XXX) DENOTES SIGN NUMBER	(C) MARKING LINE EPOXY 4-INCH (YELLOW)
(X) INDICATES SIGN SIZE	(D) MARKING LINE EPOXY 4-INCH (YELLOW SKIP)

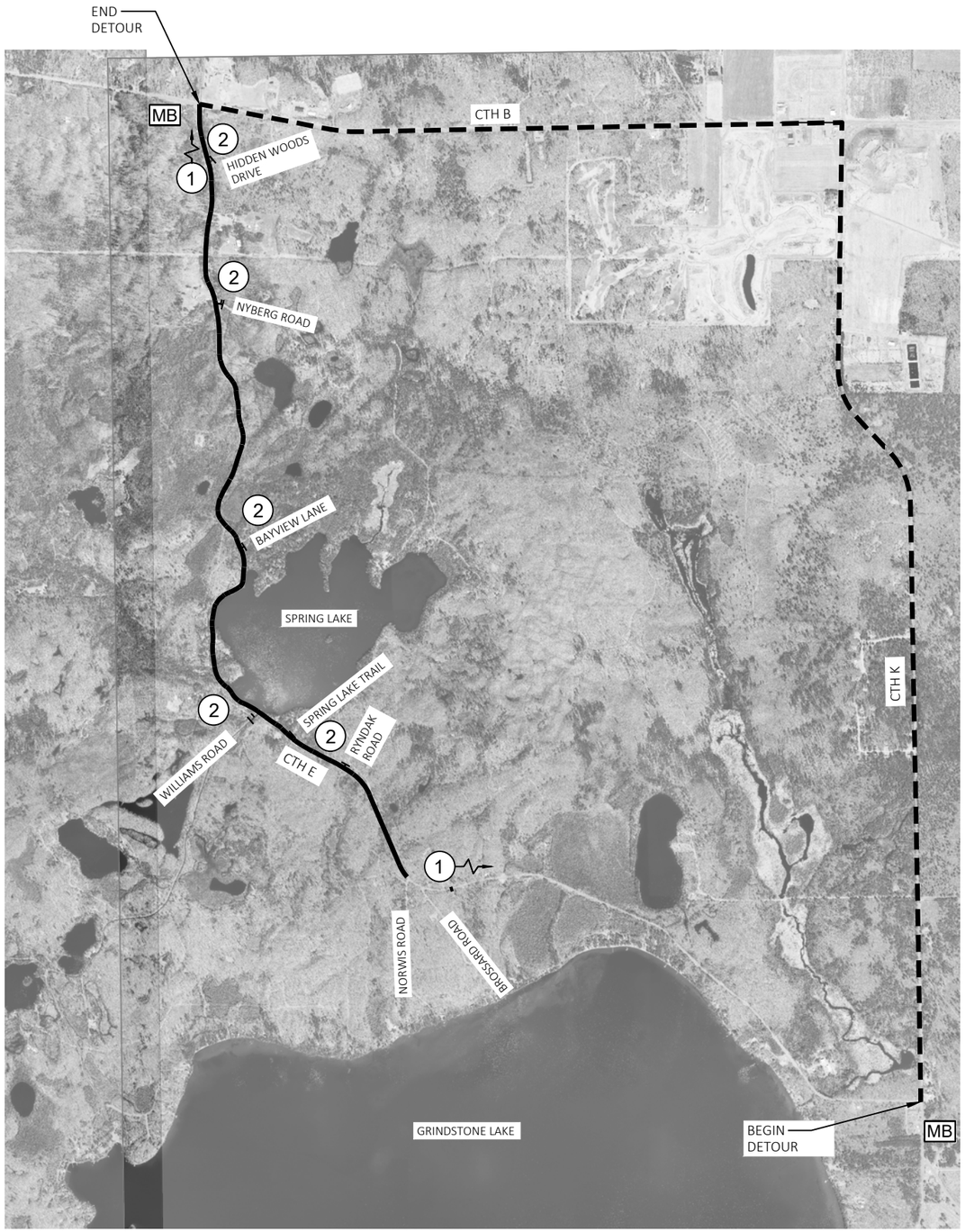
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 25	E



LEGEND

	EXISTING SIGN MOUNTED ON POST(S)	(A)	MARKING LINE EPOXY 4-INCH (WHITE)
	PROPOSED SIGN MOUNTED ON POST(S)	(B)	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
(XXX)	DENOTES SIGN NUMBER	(C)	MARKING LINE EPOXY 4-INCH (YELLOW)
(X)	INDICATES SIGN SIZE	(D)	MARKING LINE EPOXY 4-INCH (YELLOW SKIP)

THIS FRAME INTENTIONALLY LEFT BLANK



N

TRAFFIC CONTROL GENERAL NOTES:

DURING CONSTRUCTION CTH E WILL BE CLOSED TO THROUGH TRAFFIC.

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

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

ACCESS TO ALL RESIDENCES/BUSINESS WILL BE MAINTAINED THROUGHOUT CONSTRUCTION STAGING.

DETAILS AND LOCATION OF TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WISCONSIN SUPPLEMENT TO THE MUTCD.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL DETOUR ASSEMBLIES ADJACENT TO EXISTING ROUTE MAKERS WHEN POSSIBLE.

LEGEND

(1) PLACE TRAFFIC CONTROL SIGNS PER SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DURING WORK ON CTH E.

(2) PLACE TRAFFIC CONTROL SIGNS PER SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES".

MB TRAFFIC CONTROL SIGNS PCMS

DETOUR ROUTE

PROJECT

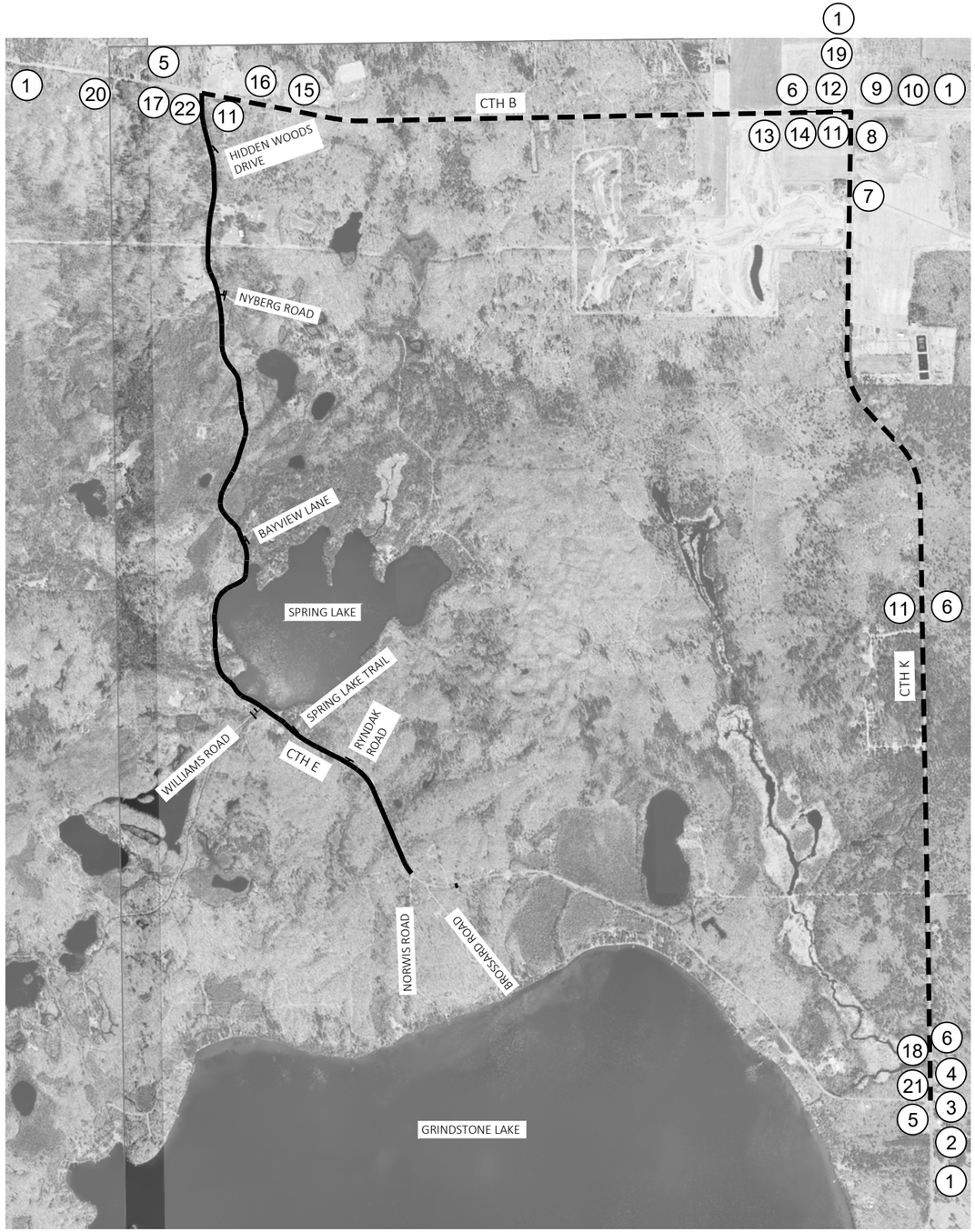
PCMS GENERAL NOTES:

ADJUST TRAFFIC CONTROL PCMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE.

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1,000 FEET IN FRONT OF THE MESSAGE BOARD. PLACE MESSAGE BOARD AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

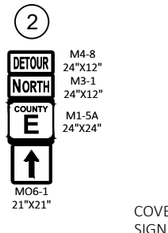
PLACE TRAFFIC CONTROL SIGNS PCMS AND DISPLAY THE MESSAGE 7 DAYS PRIOR TO THE EXPECTED START OF THE DETOUR. ADJUST THE MESSAGE DATE ACCORDINGLY.

TRAFFIC CONTROL SIGNS PCMS MESSAGES	
PCMS SIGN LOCATION	MESSAGE
BEGIN DETOUR CTH E & CTH K	HWY E TO CLOSE STARTING XX/XX
END DETOUR CTH E & CTH B	HWY E TO CLOSE STARTING XX/XX

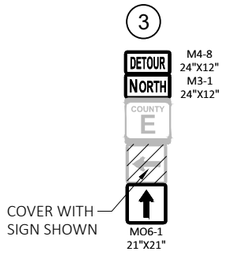


1

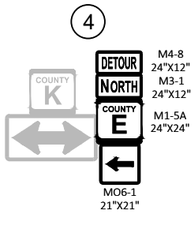
2



3



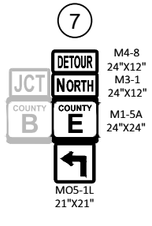
4



5

6

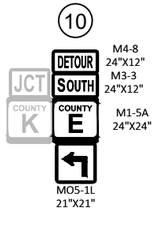
7



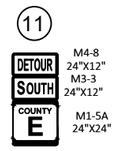
8

9

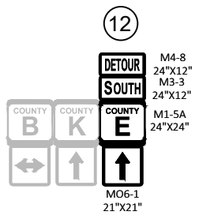
10



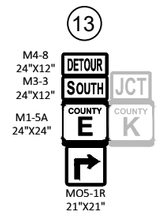
11



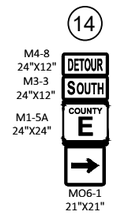
12



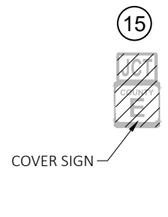
13



14

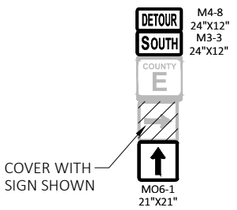


15

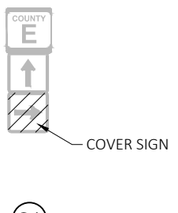


16

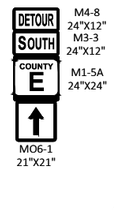
17



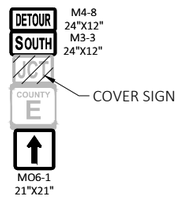
18



19



20



21

TYPE III BARRICADE

22

TYPE III BARRICADE

LEGEND

DETOUR ROUTE

PROJECT

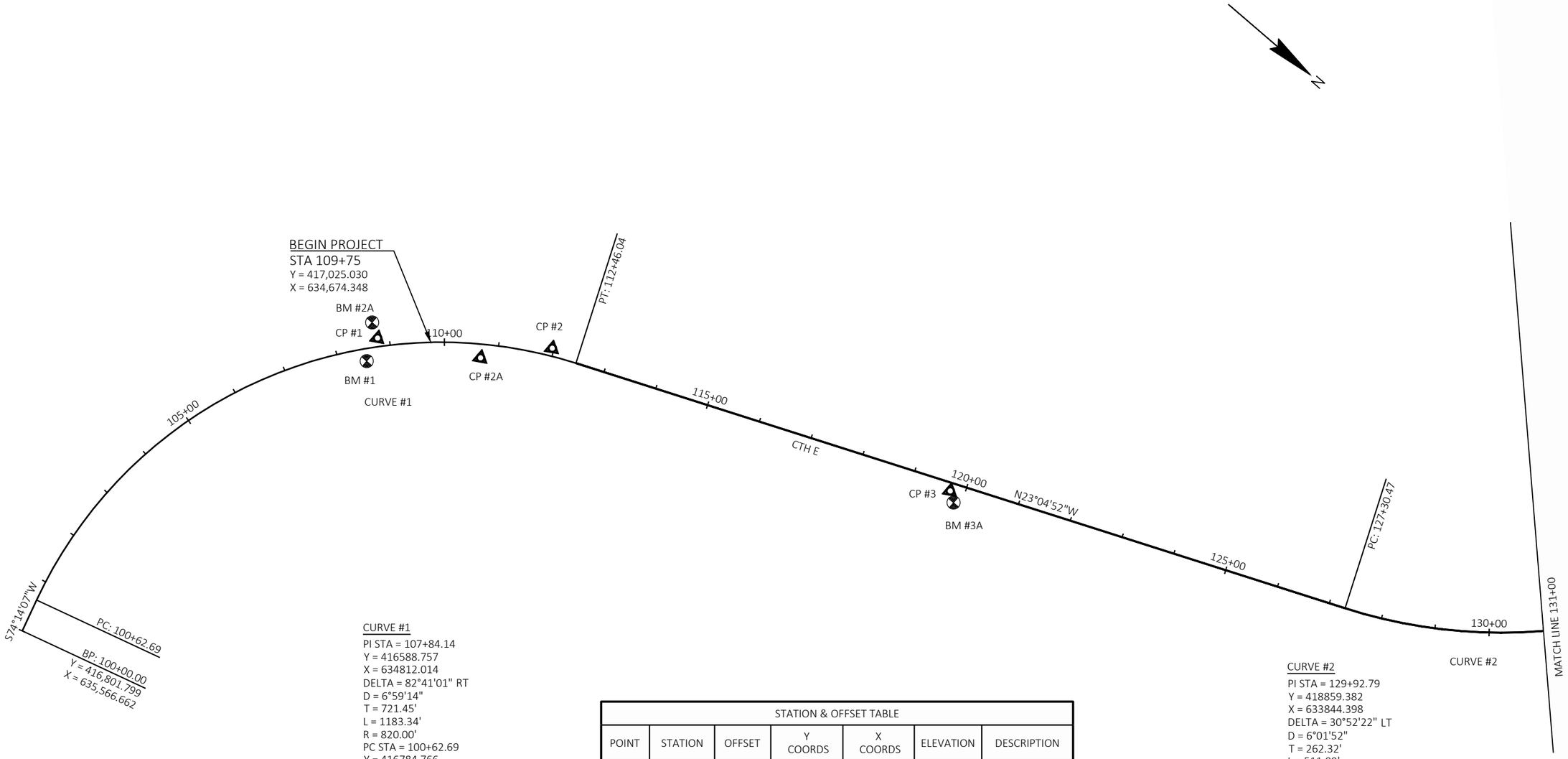
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	DETOUR PLAN	SHEET 28	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\027001 DT.DWG
LAYOUT NAME - 01

PLOT DATE : 7/30/2026 12:51 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



CURVE #1
PI STA = 107+84.14
Y = 416588.757
X = 634812.014
DELTA = 82°41'01" RT
D = 6°59'14"
T = 721.45'
L = 1183.34'
R = 820.00'
PC STA = 100+62.69
Y = 416784.766
X = 635506.326
PT STA = 112+46.04
Y = 417252.455
X = 634529.182
DB = S74°14'07"W
DA = N23°04'52"W
SE = 5.30%

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
CP #1	108+78.73	15.57 LT	416,945.749	634,732.571	1393.66	3/8" SPK
CP #2	111+96.73	14.29 LT	417,201.320	634,537.077	1383.23	NOT FOUND
CP #2A	0+00.00	0.00	417,112.928	634,636.292	1393.21	BRASS CAP
CP #3	119+72.94	14.98 RT	417,927.046	634,257.992	1321.39	3/8" SPK

CURVE #2
PI STA = 129+92.79
Y = 418859.382
X = 633844.398
DELTA = 30°52'22" LT
D = 6°01'52"
T = 262.32'
L = 511.89'
R = 950.00'
PC STA = 127+30.47
Y = 418618.058
X = 633947.237
PT STA = 132+42.36
Y = 419013.743
X = 633632.299
DB = N23°04'52"W
DA = N53°57'14"W
SE = 5.00%

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	ALIGNMENT	SHEET 29	E

2

CURVE #2
PI STA = 129+92.79
Y = 418859.382
X = 633844.398
DELTA = 30°52'22" LT
D = 6°01'52"
T = 262.32'
L = 511.89'
R = 950.00'
PC STA = 127+30.47
Y = 418618.058
X = 633947.237
PT STA = 132+42.36
Y = 419013.743
X = 633632.299
DB = N23°04'52"W
DA = N53°57'14"W
SE = 5.00%

CURVE #3
PI STA = 134+90.16
Y = 419159.561
X = 633431.937
DELTA = 9°26'39" LT
D = 1°54'35"
T = 247.81'
L = 494.49'
R = 3000.00'
PC STA = 132+42.36
Y = 419013.743
X = 633632.299
PT STA = 137+36.85
Y = 419270.527
X = 633210.364
DB = N53°57'14"W
DA = N63°23'52"W
SE = 2.50%

CURVE #4
PI STA = 140+87.32
Y = 419427.469
X = 632896.989
DELTA = 3°03'25" RT
D = 2°54'30"
T = 52.57'
L = 105.11'
R = 1970.00'
PC STA = 140+34.76
Y = 419403.930
X = 632943.991
PT STA = 141+39.87
Y = 419453.481
X = 632851.310
DB = N63°23'52"W
DA = N60°20'27"W
SE = 3.40%

CURVE #5
PI STA = 144+56.46
Y = 419610.145
X = 632576.192
DELTA = 8°11'14" RT
D = 4°51'20"
T = 84.45'
L = 168.62'
R = 1180.00'
PC STA = 143+72.01
Y = 419568.355
X = 632649.579
PT STA = 145+40.63
Y = 419661.960
X = 632509.505
DB = N60°20'27"W
DA = N52°09'13"W
SE = 4.50%

CURVE #6
PI STA = 146+71.93
Y = 419742.522
X = 632405.818
DELTA = 6°18'12" RT
D = 3°49'11"
T = 82.60'
L = 165.02'
R = 1500.00'
PC STA = 145+89.34
Y = 419691.846
X = 632471.040
PT STA = 147+54.36
Y = 419800.052
X = 632346.555
DB = N52°09'13"W
DA = N45°51'01"W
SE = 4.00%

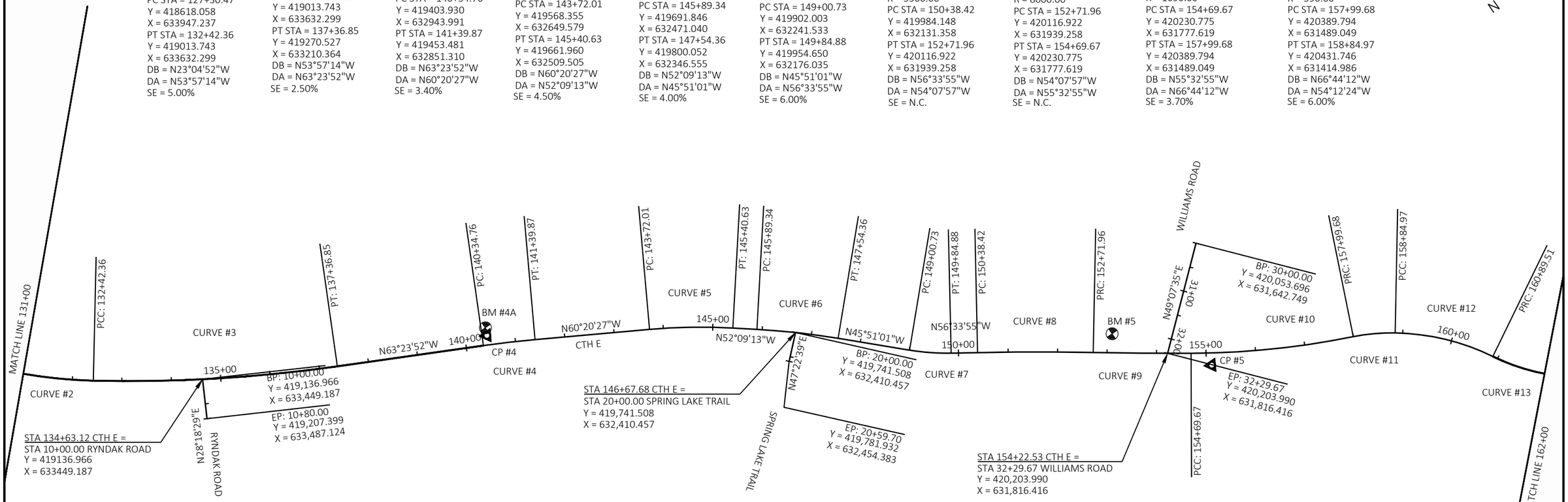
CURVE #7
PI STA = 149+42.93
Y = 419931.397
X = 632211.253
DELTA = 10°42'54" LT
D = 12°43'57"
T = 42.20'
L = 84.16'
R = 450.00'
PC STA = 149+00.73
Y = 419902.003
X = 632241.533
PT STA = 149+84.88
Y = 419954.650
X = 632176.035
DB = N45°51'01"W
DA = N56°33'55"W
SE = 6.00%

CURVE #8
PI STA = 151+55.21
Y = 420048.496
X = 632033.898
DELTA = 2°25'58" RT
D = 1°02'30"
T = 116.79'
L = 233.54'
R = 5500.00'
PC STA = 150+38.42
Y = 419984.148
X = 632131.358
PT STA = 152+71.96
Y = 420116.922
X = 631939.258
DB = N56°33'55"W
DA = N54°07'57"W
SE = N.C.

CURVE #9
PI STA = 153+70.82
Y = 420174.847
X = 631859.142
DELTA = 1°24'58" LT
D = 0°42'58"
T = 98.86'
L = 197.72'
R = 8000.00'
PC STA = 152+71.96
Y = 420116.922
X = 631939.258
PT STA = 154+69.67
Y = 420230.775
X = 631777.619
DB = N54°07'57"W
DA = N55°32'55"W
SE = N.C.

CURVE #10
PI STA = 156+35.20
Y = 420324.417
X = 631641.122
DELTA = 11°11'17" LT
D = 3°23'25"
T = 165.53'
L = 330.01'
R = 1690.00'
PC STA = 154+69.67
Y = 420230.775
X = 631777.619
PT STA = 157+99.68
Y = 420389.794
X = 631489.049
DB = N55°32'55"W
DA = N66°44'12"W
SE = 3.70%

CURVE #11
PI STA = 158+42.50
Y = 420406.704
X = 631449.715
DELTA = 12°31'48" RT
D = 14°41'28"
T = 42.82'
L = 85.29'
R = 390.00'
PC STA = 157+99.68
Y = 420389.794
X = 631489.049
PT STA = 158+84.97
Y = 420431.746
X = 631414.986
DB = N66°44'12"W
DA = N54°12'24"W
SE = 6.00%



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
CP #4	140+44.39	19.04 LT	419391.279	632926.782	1320.83	3/8" SPK
CP #5	155+10.69	24.59 RT	420274.176	631756.932	1274.19	3/8" SPK

CURVE #12
PI STA = 159+88.89
Y = 420492.521
X = 631330.698
DELTA = 24°56'03" RT
D = 12°11'26"
T = 103.91'
L = 204.54'
R = 470.00'
PC STA = 158+84.97
Y = 420431.746
X = 631414.986
PT STA = 160+89.51
Y = 420583.166
X = 631279.888
DB = N54°12'24"W
DA = N29°16'20"W
SE = 6.00%

CURVE #13
PI STA = 161+69.51
Y = 420652.950
X = 631240.772
DELTA = 21°34'06" LT
D = 13°38'31"
T = 80.00'
L = 158.10'
R = 420.00'
PC STA = 160+89.51
Y = 420583.166
X = 631279.888
PT STA = 162+47.61
Y = 420703.467
X = 631178.741
DB = N29°16'20"W
DA = N50°50'27"W
SE = 6.00%

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	ALIGNMENT	SHEET 30	E

2

CURVE #13
PI STA = 161+69.51
Y = 420652.950
X = 631240.772
DELTA = 21°34'06" LT
D = 13°38'31"
T = 80.00'
L = 158.10'
R = 420.00'
PC STA = 160+89.51
Y = 420583.166
X = 631279.888
PT STA = 162+47.61
Y = 420703.467
X = 631178.741
DB = N29°16'20"W
DA = N50°50'27"W
SE = 6.00%

CURVE #14
PI STA = 163+90.88
Y = 420793.938
X = 631067.652
DELTA = 18°23'53" RT
D = 17°54'18"
T = 51.82'
L = 102.75'
R = 320.00'
PC STA = 163+39.06
Y = 420761.213
X = 631107.836
PT STA = 164+41.81
Y = 420837.673
X = 631039.851
DB = N50°50'27"W
DA = N32°26'33"W
SE = 6.00%

CURVE #15
PI STA = 165+80.56
Y = 420954.770
X = 630965.417
DELTA = 25°13'45" RT
D = 9°14'29"
T = 138.75'
L = 273.01'
R = 620.00'
PC STA = 164+41.81
Y = 420837.673
X = 631039.851
PT STA = 167+14.82
Y = 421092.424
X = 630947.995
DB = N32°26'33"W
DA = N07°12'48"W
SE = 5.80%

CURVE #16
PI STA = 170+61.92
Y = 421436.778
X = 630904.411
DELTA = 11°51'36" RT
D = 5°30'33"
T = 108.02'
L = 215.28'
R = 1040.00'
PC STA = 169+53.89
Y = 421329.608
X = 630917.975
PT STA = 171+69.17
Y = 421544.447
X = 630913.162
DB = N07°12'48"W
DA = N04°38'48"E
SE = 4.70%

CURVE #17
PI STA = 173+00.15
Y = 421674.997
X = 630923.772
DELTA = 10°46'41" LT
D = 6°17'46"
T = 85.85'
L = 171.18'
R = 910.00'
PC STA = 172+14.31
Y = 421589.434
X = 630916.818
PT STA = 173+85.49
Y = 421760.352
X = 630914.603
DB = N04°38'48"E
DA = N06°07'54"W
SE = 5.10%

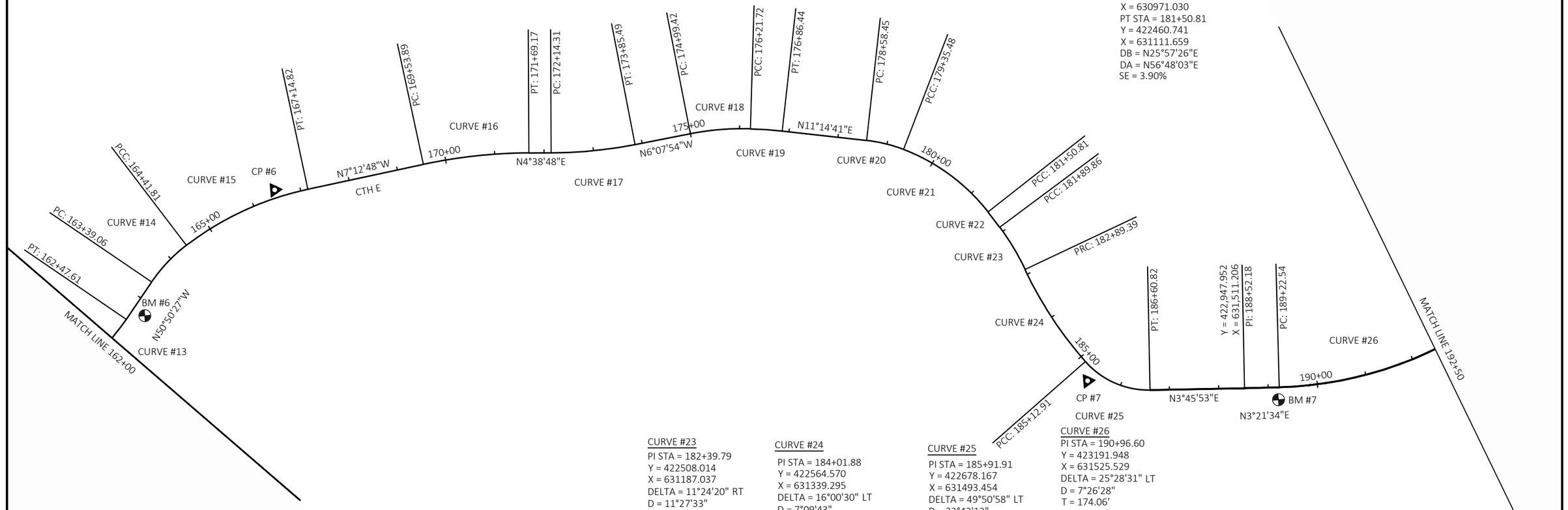
CURVE #18
PI STA = 175+60.82
Y = 421934.679
X = 630895.876
DELTA = 12°44'27" RT
D = 10°25'03"
T = 61.40'
L = 122.30'
R = 550.00'
PC STA = 174+99.42
Y = 421873.626
X = 630902.434
PT STA = 176+21.72
Y = 421995.676
X = 630902.943
DB = N06°07'54"W
DA = N06°36'33"E
SE = 6.00%

CURVE #19
PI STA = 176+54.10
Y = 422027.841
X = 630906.670
DELTA = 4°38'08" RT
D = 7°09'43"
T = 32.38'
L = 64.72'
R = 800.00'
PC STA = 176+21.72
Y = 421995.676
X = 630902.943
PT STA = 176+86.44
Y = 422059.599
X = 630912.984
DB = N06°36'33"E
DA = N11°14'41"E
SE = 5.30%

CURVE #20
PI STA = 178+97.18
Y = 422266.289
X = 630954.078
DELTA = 14°42'45" RT
D = 19°05'55"
T = 38.73'
L = 77.03'
R = 300.00'
PC STA = 178+58.45
Y = 422228.302
X = 630946.526
PT STA = 179+35.48
Y = 422301.112
X = 630971.030
DB = N11°14'41"E
DA = N25°57'26"E
SE = 6.00%

CURVE #21
PI STA = 181+70.34
Y = 422471.432
X = 631127.996
DELTA = 1°24'58" RT
D = 3°37'35"
T = 19.52'
L = 39.05'
R = 1580.00'
PC STA = 181+50.81
Y = 422460.741
X = 631111.659
PT STA = 181+89.86
Y = 422481.715
X = 631144.593
DB = N56°48'03"E
DA = N58°13'01"E
SE = 6.00%

CURVE #22
PI STA = 180+45.83
Y = 422400.323
X = 631019.327
DELTA = 30°50'37" RT
D = 14°19'26"
T = 110.34'
L = 215.33'
R = 400.00'
PC STA = 179+35.48
Y = 422301.112
X = 630971.030
PT STA = 181+50.81
Y = 422460.741
X = 631111.659
DB = N25°57'26"E
DA = N56°48'03"E
SE = 3.90%



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
CP #6	166+50.01	16.24 LT	421024.959	630943.668	1282.27	3/8" SPK
CP #7	185+41.31	25.09 RT	422632.533	631469.247	1279.56	3/8" SPK

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	ALIGNMENT	SHEET 31	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\027201 AD.DWG
LAYOUT NAME - 03
PLOT DATE : 9/28/2026 3:05 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

CURVE #27
PI STA = 195+38.33
Y = 423606.504
X = 631357.062
DELTA = 10°11'14" LT
D = 16°51'06"
T = 30.31'
L = 60.45'
R = 340.00'
PC STA = 195+08.02
Y = 423578.428
X = 631368.472
PT STA = 195+68.47
Y = 423632.120
DB = N22°06'57"W
DA = N32°18'11"W
SE = 6.00%

CURVE #28
PI STA = 196+28.75
Y = 423683.073
X = 631308.651
DELTA = 13°44'58" LT
D = 11°27'33"
T = 60.28'
L = 119.99'
R = 500.00'
PC STA = 195+68.47
Y = 423632.120
X = 631340.866
PT STA = 196+88.46
Y = 423724.909
X = 631265.250
DB = N32°18'11"W
DA = N46°03'09"W
SE = 6.00%

CURVE #29
PI STA = 199+04.30
Y = 423874.704
X = 631109.848
DELTA = 12°24'09" RT
D = 7°04'25"
T = 88.01'
L = 175.34'
R = 810.00'
PC STA = 198+16.29
Y = 423813.624
X = 631173.215
PT STA = 199+91.62
Y = 423947.968
X = 631061.079
DB = N46°03'09"W
DA = N33°39'00"W
SE = 5.30%

CURVE #30
PI STA = 200+82.70
Y = 424023.784
X = 631010.612
DELTA = 34°52'15" RT
D = 19°45'26"
T = 91.08'
L = 176.50'
R = 290.00'
PC STA = 199+91.62
Y = 423947.968
X = 631061.079
PT STA = 201+68.12
Y = 424114.841
X = 631012.552
DB = N33°39'00"W
DA = N01°13'15"E
SE = 6.00%

CURVE #31
PI STA = 202+88.48
Y = 424235.169
X = 631015.116
DELTA = 19°30'42" RT
D = 8°11'06"
T = 120.36'
L = 238.38'
R = 700.00'
PC STA = 201+68.12
Y = 424114.841
X = 631012.552
PT STA = 204+06.50
Y = 424347.730
X = 631057.723
DB = N01°13'15"E
DA = N20°43'57"E
SE = 5.60%

CURVE #32
PI STA = 204+92.36
Y = 424428.027
X = 631088.116
DELTA = 8°32'21" RT
D = 4°58'56"
T = 85.86'
L = 171.39'
R = 1150.00'
PC STA = 204+06.50
Y = 424347.730
X = 631057.723
PT STA = 205+77.89
Y = 424502.920
X = 631130.095
DB = N20°43'57"E
DA = N29°16'18"E
SE = 4.50%

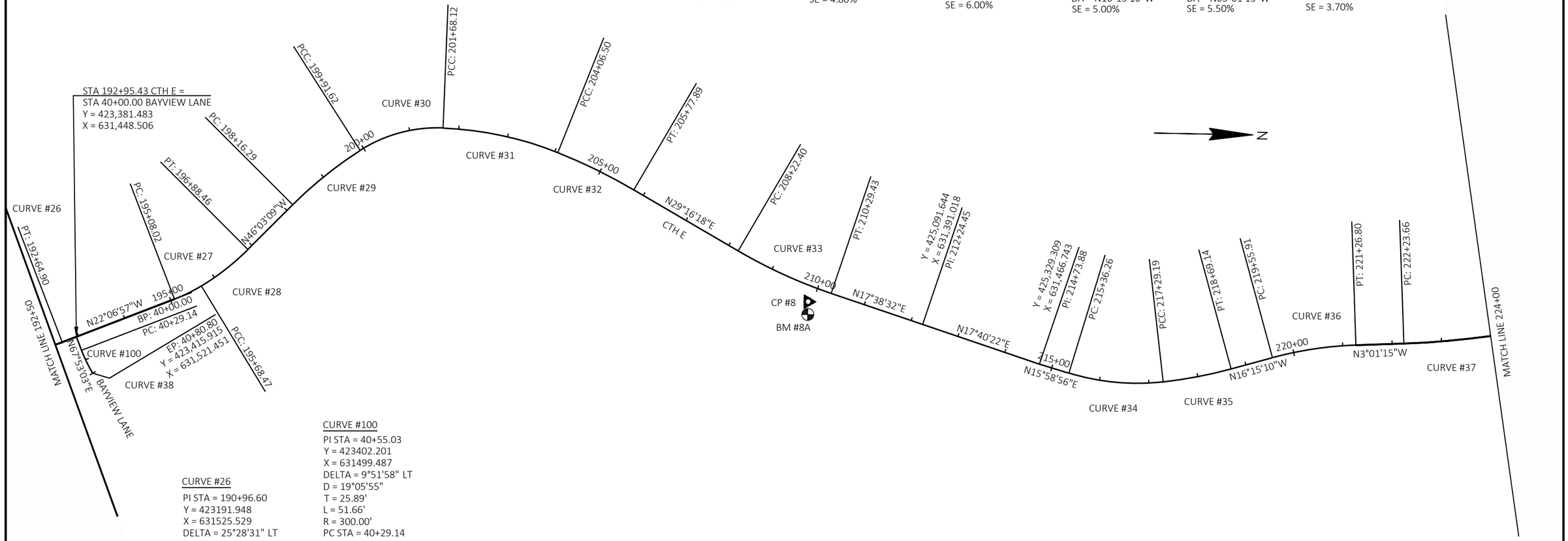
CURVE #33
PI STA = 209+26.27
Y = 424806.811
X = 631300.434
DELTA = 11°37'46" LT
D = 5°37'02"
T = 103.87'
L = 207.03'
R = 1020.00'
PC STA = 208+22.40
Y = 424716.200
X = 631249.644
PT STA = 210+29.43
Y = 424905.799
X = 631331.915
DB = N29°16'18"E
DA = N17°38'32"E
SE = 4.80%

CURVE #34
PI STA = 216+34.10
Y = 425483.337
X = 631510.858
DELTA = 23°31'10" LT
D = 12°11'26"
T = 97.84'
L = 192.93'
R = 470.00'
PC STA = 215+36.26
Y = 425389.275
X = 631483.918
PT STA = 217+29.19
Y = 425580.336
X = 631498.024
DB = N15°58'56"E
DA = N07°32'15"W
SE = 6.00%

CURVE #35
PI STA = 217+99.30
Y = 425649.837
X = 631488.828
DELTA = 8°42'55" LT
D = 6°13'40"
T = 70.11'
L = 139.94'
R = 920.00'
PC STA = 217+29.19
Y = 425580.336
X = 631498.024
PT STA = 218+69.14
Y = 425717.142
X = 631469.206
DB = N07°32'15"W
DA = N16°15'10"W
SE = 5.00%

CURVE #36
PI STA = 220+41.74
Y = 425882.844
X = 631420.900
DELTA = 13°13'55" RT
D = 7°44'34"
T = 85.83'
L = 170.90'
R = 740.00'
PC STA = 219+55.91
Y = 425800.444
X = 631444.922
PT STA = 221+26.80
Y = 425968.555
X = 631416.377
DB = N16°15'10"W
DA = N03°01'15"W
SE = 5.50%

CURVE #37
PI STA = 223+15.18
Y = 426156.672
X = 631406.449
DELTA = 6°16'24" LT
D = 3°25'51"
T = 91.52'
L = 182.85'
R = 1670.00'
PC STA = 222+23.66
Y = 426065.282
X = 631411.272
PT STA = 224+06.52
Y = 426246.988
X = 631391.669
DB = N03°01'15"W
DA = N09°17'39"W
SE = 3.70%



CURVE #26
PI STA = 190+96.60
Y = 423191.948
X = 631525.529
DELTA = 25°28'31" LT
D = 7°26'28"
T = 174.06'
L = 342.36'
R = 770.00'
PC STA = 189+22.54
Y = 423018.189
X = 631515.329
PT STA = 192+64.90
Y = 423353.199
X = 631460.000
DB = N03°21'34"E
DA = N22°06'57"W
SE = 5.40%

CURVE #100
PI STA = 40+55.03
Y = 423402.201
X = 631499.487
DELTA = 9°51'58" LT
D = 19°05'55"
T = 25.89'
L = 51.66'
R = 300.00'
PC STA = 40+29.14
Y = 423392.452
X = 631475.499
PT STA = 40+80.80
Y = 423415.915
X = 631521.451
DB = N67°53'03"E
DA = N58°01'06"E
SE = N.C.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
CP #8	209+91.51	31.47 RT	424859.240	631349.372	1308.84	3/8" SPK

2

CURVE #38
PI STA = 226+82.57
Y = 426520.308
X = 631353.030
DELTA = 24°36'29" LT
D = 13°38'31"
T = 91.61'
L = 180.39'
R = 420.00'
PC STA = 225+90.96
Y = 426429.537
X = 631365.366
PT STA = 227+71.35
Y = 426597.698
X = 631304.016
DB = N07°44'21"W
DA = N32°20'50"W
SE = 6.00%

CURVE #39
PI STA = 228+34.49
Y = 426651.041
X = 631270.233
DELTA = 7°17'55" LT
D = 5°47'15"
T = 63.14'
L = 126.11'
R = 990.00'
PC STA = 227+71.35
Y = 426597.698
X = 631304.016
PT STA = 228+97.46
Y = 426699.660
X = 631229.946
DB = N32°20'50"W
DA = N39°38'45"W
SE = 4.90%

CURVE #40
PI STA = 231+05.82
Y = 426860.094
X = 631097.007
DELTA = 26°58'46" RT
D = 8°48'53"
T = 155.93'
L = 306.07'
R = 650.00'
PC STA = 229+49.89
Y = 426740.029
X = 631196.495
PT STA = 232+55.96
Y = 427012.227
X = 631062.816
DB = N39°38'45"W
DA = N12°39'59"W
SE = 5.70%

CURVE #41
PI STA = 233+21.54
Y = 427076.210
X = 631048.436
DELTA = 11°53'07" RT
D = 9°05'40"
T = 65.58'
L = 130.69'
R = 630.00'
PC STA = 232+55.96
Y = 427012.227
X = 631062.816
PT STA = 233+86.65
Y = 427141.783
X = 631047.542
DB = N12°39'59"W
DA = N00°46'52"W
SE = 5.80%

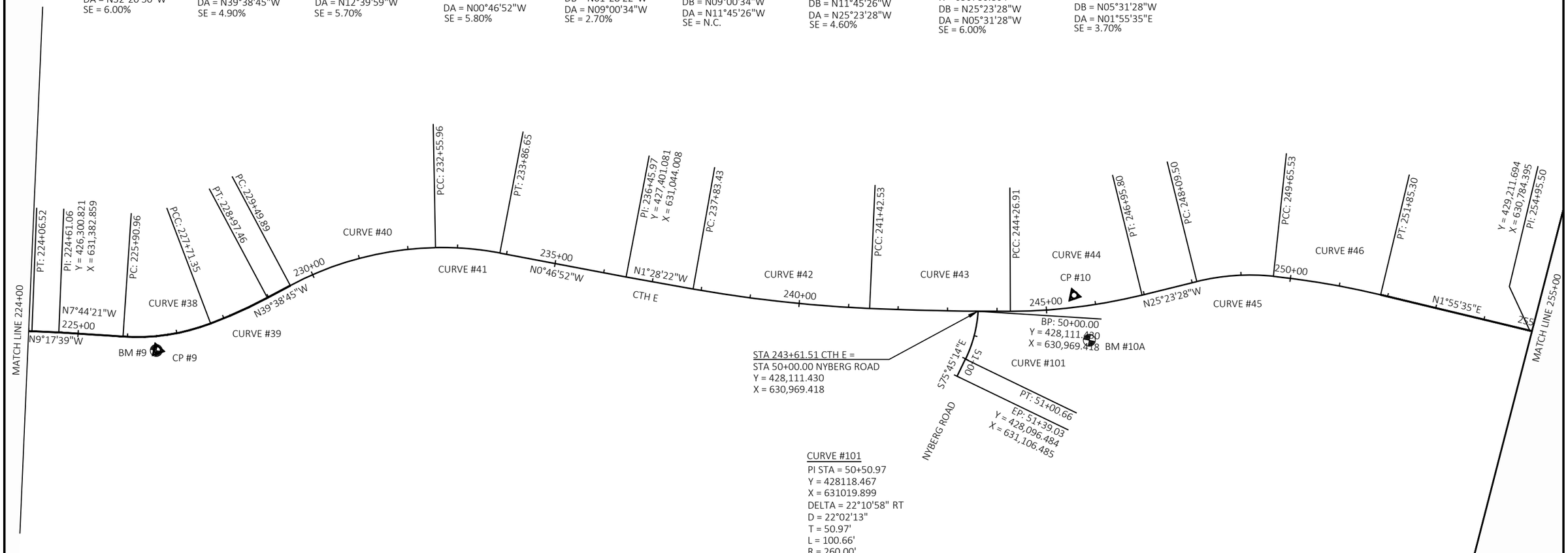
CURVE #42
PI STA = 239+63.24
Y = 427718.242
X = 631035.853
DELTA = 7°32'12" LT
D = 2°05'55"
T = 179.81'
L = 359.10'
R = 2730.00'
PC STA = 237+83.43
Y = 427538.491
X = 631040.475
PT STA = 241+42.53
Y = 427895.834
X = 631007.695
DB = N01°28'22"W
DA = N09°00'34"W
SE = 2.70%

CURVE #43
PI STA = 242+84.74
Y = 428036.296
X = 630985.424
DELTA = 2°44'52" LT
D = 0°57'58"
T = 142.22'
L = 284.38'
R = 5930.00'
PC STA = 241+42.53
Y = 427895.834
X = 631007.695
PT STA = 244+26.91
Y = 428175.530
X = 630956.445
DB = N09°00'34"W
DA = N11°45'26"W
SE = N.C.

CURVE #44
PI STA = 245+61.99
Y = 428307.779
X = 630928.920
DELTA = 13°38'02" LT
D = 5°04'14"
T = 135.08'
L = 268.89'
R = 1130.00'
PC STA = 244+26.91
Y = 428175.530
X = 630956.445
PT STA = 246+95.80
Y = 428429.813
X = 630870.997
DB = N11°45'26"W
DA = N25°23'28"W
SE = 4.60%

CURVE #45
PI STA = 248+88.31
Y = 428603.727
X = 630788.450
DELTA = 19°51'59" RT
D = 12°43'57"
T = 78.81'
L = 156.03'
R = 450.00'
PC STA = 248+09.50
Y = 428532.533
X = 630822.242
PT STA = 249+65.53
Y = 428682.168
X = 630780.864
DB = N25°23'28"W
DA = N05°31'28"W
SE = 6.00%

CURVE #46
PI STA = 250+75.57
Y = 428791.696
X = 630770.270
DELTA = 7°27'03" RT
D = 3°23'25"
T = 110.04'
L = 219.77'
R = 1690.00'
PC STA = 249+65.53
Y = 428682.168
X = 630780.864
PT STA = 251+85.30
Y = 428901.674
X = 630773.969
DB = N05°31'28"W
DA = N01°55'35"E
SE = 3.70%



CURVE #101
PI STA = 50+50.97
Y = 428118.467
X = 631019.899
DELTA = 22°10'58" RT
D = 22°02'13"
T = 50.97'
L = 100.66'
R = 260.00'
PC STA = 50+00.00
Y = 428111.430
X = 630969.418
PT STA = 51+00.66
Y = 428105.925
X = 631069.301
DB = N82°03'48"E
DA = S75°45'14"E
SE = N.C.

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
CP #9	226+57.83	27.93 RT	426,502.904	631,377.866	1314.89	3/8" SPK
CP #10	245+58.79	24.27 LT	428,295.105	630,899.087	1282.57	3/8" SPK

2

CURVE #47
PI STA = 258+11.18
Y = 429526.960
X = 630800.581
DELTA = 8°37'19" RT
D = 3°24'38"
T = 126.64'
L = 252.81'
R = 1680.00'
PC STA = 256+84.53
Y = 429400.481
X = 630794.088
PT STA = 259+37.34
Y = 429651.035
X = 630825.962
DB = N02°56'20"E
DA = N11°33'40"E
SE = 3.70%

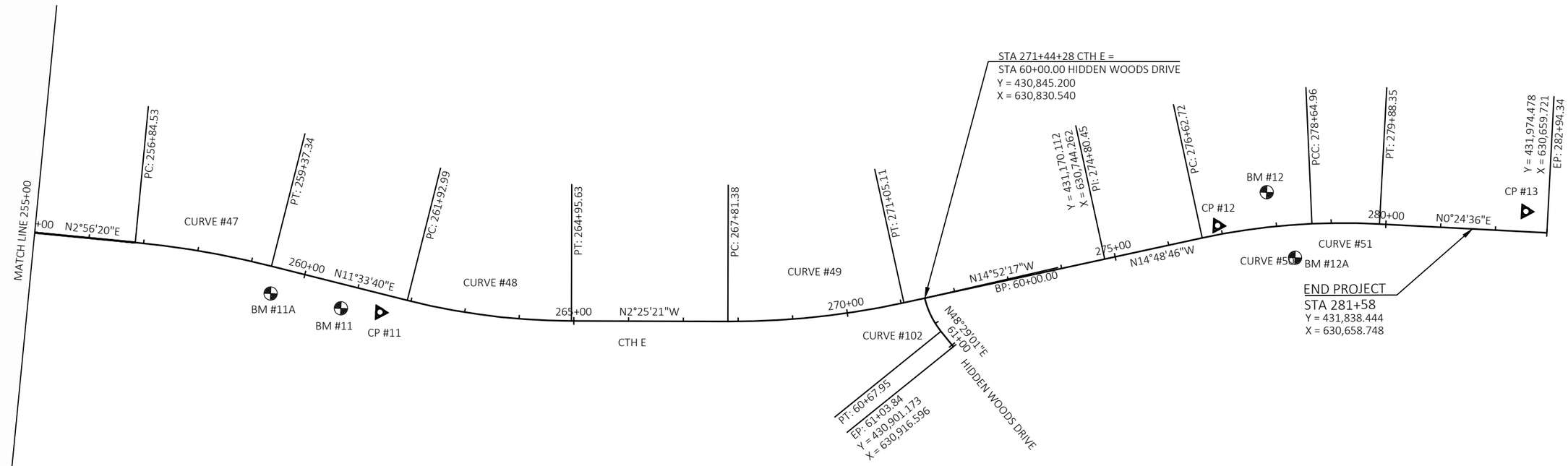
CURVE #48
PI STA = 263+45.07
Y = 430050.485
X = 630907.675
DELTA = 13°59'01" LT
D = 4°37'14"
T = 152.07'
L = 302.63'
R = 1240.00'
PC STA = 261+92.99
Y = 429901.498
X = 630877.198
PT STA = 264+95.63
Y = 430202.421
X = 630901.247
DB = N11°33'40"E
DA = N02°25'21"W
SE = 4.40%

CURVE #49
PI STA = 269+43.89
Y = 430650.279
X = 630882.300
DELTA = 12°26'56" LT
D = 3°50'43"
T = 162.51'
L = 323.74'
R = 1490.00'
PC STA = 267+81.38
Y = 430487.916
X = 630889.169
PT STA = 271+05.11
Y = 430807.345
X = 630840.592
DB = N02°25'21"W
DA = N14°52'17"W
SE = 4.00%

N

CURVE #50
PI STA = 277+64.08
Y = 431444.313
X = 630671.750
DELTA = 9°39'22" RT
D = 4°46'29"
T = 101.36'
L = 202.24'
R = 1200.00'
PC STA = 276+62.72
Y = 431346.324
X = 630697.663
PT STA = 278+64.96
Y = 431545.260
X = 630662.640
DB = N14°48'46"W
DA = N05°09'24"W
SE = 4.4%

CURVE #51
PI STA = 279+26.70
Y = 431606.753
X = 630657.090
DELTA = 5°34'00" RT
D = 4°30'41"
T = 61.74'
L = 123.39'
R = 1270.00'
PC STA = 278+64.96
Y = 431545.260
X = 630662.640
PT STA = 279+88.35
Y = 431668.494
X = 630657.532
DB = N05°09'24"W
DA = N00°24'36"E
SE = 4.3%



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
CP #11	261+49.81	33.30 RT	429,852.517	630,901.166	1293.80	3/8" SPK
CP #12	276+94.31	16.60 LT	431,373.143	630,673.838	1338.21	3/8" SPK
CP #13	282+53.80	36.84 LT	431,934.207	630,622.596	1339.06	3/8" SPK

CURVE #102
PI STA = 60+34.57
Y = 430854.474
X = 630863.843
DELTA = 25°57'22" LT
D = 38°11'50"
T = 34.57'
L = 67.95'
R = 150.00'
PC STA = 60+00.00
Y = 430845.200
X = 630830.540
PT STA = 60+67.95
Y = 430877.388
X = 630889.728
DB = N74°26'23"E
DA = N48°29'01"E
SE = N/C

SUPERELEVATION TABLE FOR CTH E						
LOCATION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
	100+00.00'	BEGIN ALIGNMENT	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 1	100+30.87'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 1	100+72.38'	LOW SHOULDER MATCH	4.00%	4.00%	-4.00%	-4.00%
CURVE 1	100+99.36'	BEGIN FULL SUPER	5.30%	5.30%	-5.30%	-5.30%
CURVE 1	112+09.37'	END FULL SUPER	5.30%	5.30%	-5.30%	-5.30%
CURVE 1	112+36.36'	LOW SHOULDER MATCH	4.00%	4.00%	-4.00%	-4.00%
CURVE 1	112+77.87'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 1	113+19.37'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 1	113+60.88'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 1	113+60.88'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 2	126+20.60'	END NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%
CURVE 2	126+20.60'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 2	126+61.80'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 2	127+03.00'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 2	127+44.20'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 2	127+64.80'	BEGIN FULL SUPER	-5.00%	-5.00%	5.00%	5.00%
CURVE 2	132+08.03'	END FULL SUPER	-5.00%	-5.00%	5.00%	5.00%
CURVE 3	132+59.69'	BEGIN FULL SUPER	-4.00%	-2.50%	2.50%	2.50%
CURVE 3	137+19.52'	END FULL SUPER	-4.00%	-2.50%	2.50%	2.50%
CURVE 3	137+29.92'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 3	137+71.52'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 3	138+13.12'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 3	138+13.12'	BEGIN NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%
CURVE 4	139+46.91'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 4	139+46.91'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 4	139+88.09'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 4	140+29.27'	REVERSE CROWN	2.00%	2.00%	2.00%	4.00%
CURVE 4	140+58.09'	BEGIN FULL SUPER	3.40%	3.40%	-3.40%	-4.00%
CURVE 4	141+16.54'	END FULL SUPER	3.40%	3.40%	-3.40%	-4.00%
CURVE 4	141+45.36'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 4	141+86.54'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 4	142+27.71'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 4	142+27.71'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 5	142+68.68'	END NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%
CURVE 5	142+68.68'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 5	143+10.01'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 5	143+51.34'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 5	143+92.68'	LOW SHOULDER MATCH	4.00%	4.00%	-4.00%	-4.00%
CURVE 5	144+03.01'	BEGIN FULL SUPER	4.50%	4.50%	-4.50%	-4.50%
CURVE 5	145+09.63'	END FULL SUPER	4.50%	4.50%	-4.50%	-4.50%

SUPERELEVATION TABLE FOR CTH E						
LOCATION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
CURVE 6	146+17.00'	BEGIN FULL SUPER	4.00%	4.00%	4.00%	4.00%
CURVE 6	147+26.70'	END FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
CURVE 7	149+42.06'	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	-2.00%
CURVE 7	149+43.56'	END FULL SUPER	-6.00%	-6.00%	6.00%	-2.00%
CURVE 7	149+84.89'	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	2.00%
CURVE 7	150+26.22'	REVERSE CROWN	-4.00%	-2.00%	2.00%	-2.00%
CURVE 7	150+67.56'	LEVEL CROWN	-4.00%	-2.00%	0.00%	-2.00%
CURVE 7	151+08.89'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 7	151+08.89'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 8	153+76.72'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 8	153+76.72'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 8	154+18.34'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 8	154+59.96'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 8	154+95.34'	BEGIN FULL SUPER	-4.00%	-3.70%	3.70%	3.70%
CURVE 8	157+74.02'	END FULL SUPER	-4.00%	-3.70%	3.70%	3.70%
CURVE 11	161+30.84'	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 11	162+06.28'	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 12	163+80.39'	BEGIN FULL SUPER	6.00%	6.00%	-6.00%	-6.00%
CURVE 12	164+00.48'	END FULL SUPER	6.00%	6.00%	-6.00%	-6.00%
CURVE 13	164+81.81'	BEGIN FULL SUPER	5.80%	5.80%	-5.80%	-5.80%
CURVE 13	166+74.82'	END FULL SUPER	5.80%	5.80%	-5.80%	-5.80%
CURVE 13	167+12.06'	LOW SHOULDER MATCH	4.00%	4.00%	-4.00%	-4.00%
CURVE 13	167+53.44'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 13	167+94.82'	LEVEL CROWN	0.00%	0.00%	2.00%	4.00%
CURVE 13	168+36.20'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 13	168+36.20'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 24	188+06.39'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 24	188+06.39'	END NORMAL CROWN	4.00%	2.00%	2.00%	4.00%
CURVE 24	188+47.87'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 24	188+89.35'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 24	189+30.83'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 24	189+59.87'	BEGIN FULL SUPER	-5.40%	-5.40%	5.40%	5.40%
CURVE 24	192+27.57'	END FULL SUPER	5.40%	5.40%	5.40%	5.40%
CURVE 24	192+56.61'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 24	192+98.09'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 24	193+39.57'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 24	193+81.06'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 24	193+81.06'	BEGIN NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%

2

SUPERELEVATION TABLE FOR CTH E						
LOCATION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
CURVE 25	193+84.02'	END NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%
CURVE 25	193+84.02'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 25	194+25.35'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 25	195+27.14'	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 25	195+49.35'	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 26	196+09.80'	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 26	196+47.13'	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 27	198+52.95'	BEGIN FULL SUPER	5.30%	5.30%	-5.30%	-5.30%
CURVE 27	199+54.96'	END FULL SUPER	5.30%	5.30%	-5.30%	-5.30%
CURVE 28	200+32.95'	BEGIN FULL SUPER	6.00%	6.00%	-6.00%	-6.00%
CURVE 28	201+26.79'	END FULL SUPER	6.00%	6.00%	-6.00%	-6.00%
CURVE 29	202+06.78'	BEGIN FULL SUPER	5.60%	5.60%	-5.60%	-5.60%
CURVE 29	203+67.84'	END FULL SUPER	5.60%	5.60%	-5.60%	-5.60%
CURVE 30	204+37.50'	BEGIN FULL SUPER	4.50%	4.50%	-4.50%	-4.50%
CURVE 30	205+46.90'	END FULL SUPER	4.50%	4.50%	-4.50%	-4.50%
CURVE 30	205+57.23'	LOW SHOULDER MATCH	4.00%	4.00%	-4.00%	-4.00%
CURVE 30	205+98.56'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 30	206+39.90'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 30	206+81.23'	BEGIN NORMAL CROWN	4.00%	2.00%	2.00%	4.00%
CURVE 30	206+81.23'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 31	207+15.14'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 31	207+15.14'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 31	207+56.39'	LEVEL CROWN	4.00%	2.00%	0.00%	0.00%
CURVE 31	207+97.64'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 31	208+38.89'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 31	208+55.39'	BEGIN FULL SUPER	-4.80%	-4.80%	4.80%	4.80%
CURVE 31	209+96.43'	END FULL SUPER	-4.80%	-4.80%	4.80%	4.80%
CURVE 31	210+12.93'	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	4.00%
CURVE 31	210+54.18'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 31	210+95.43'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 31	211+36.68'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 31	211+36.68'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

SUPERELEVATION TABLE FOR CTH E						
LOCATION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
CURVE 32	214+12.26'	END NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%
CURVE 32	214+12.26'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 32	214+53.59'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 32	214+94.92'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 32	215+36.26'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 32	215+77.59'	BEGIN FULL SUPER	6.00%	6.00%	6.00%	6.00%
CURVE 32	216+87.86'	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 33	217+63.52'	BEGIN FULL SUPER	-5.00%	-5.00%	5.00%	5.00%
CURVE 33	218+34.81'	END FULL SUPER	-5.00%	-5.00%	5.00%	5.00%
CURVE 34	219+93.90'	BEGIN FULL SUPER	5.50%	5.50%	-5.50%	-5.50%
CURVE 34	220+88.81'	END FULL SUPER	5.50%	5.50%	-5.50%	-5.50%
CURVE 35	222+49.33'	BEGIN FULL SUPER	-4.00%	-3.70%	3.70%	3.70%
CURVE 35	223+80.85'	END FULL SUPER	-4.00%	-3.70%	3.70%	3.70%
CURVE 36	226+32.29'	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 36	227+30.02'	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
CURVE 37	228+05.01'	BEGIN FULL SUPER	-4.90%	-4.90%	4.90%	4.90%
CURVE 37	228+63.80'	END FULL SUPER	-4.90%	-4.90%	4.90%	4.90%
CURVE 38	229+89.22'	BEGIN FULL SUPER	5.70%	5.70%	-5.70%	-5.70%
CURVE 38	232+16.63'	END FULL SUPER	5.70%	5.70%	-5.70%	-5.70%
CURVE 39	232+95.96'	BEGIN FULL SUPER	5.80%	5.80%	-5.80%	-5.80%
CURVE 39	233+46.65'	END FULL SUPER	5.80%	5.80%	-5.80%	-5.80%
CURVE 39	233+83.89'	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	4.00%
CURVE 39	234+25.27'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 39	234+66.65'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 39	235+08.03'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 39	235+08.03'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 40	237+04.61'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 40	237+04.61'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 40	237+46.09'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 40	237+87.57'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 40	238+02.09'	BEGIN FULL SUPER	4.00%	2.70%	2.70%	2.70%
CURVE 40	241+23.86'	END FULL SUPER	-4.00%	-2.70%	2.70%	2.70%
CURVE 40	241+38.38'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 40	241+79.86'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 40	242+21.34'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 40	242+21.34'	BEGIN NORMAL SHOULDER	4.00%	2.00%	2.00%	4.00%

2

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	ALIGNMENT SUPERELEVATION DATA	SHEET 36	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 02 TYP SEC & DETAILS\027000_AD (ALIGNMENT SUPERELEVATION DATA).DWG PLOT DATE : 7/30/2026 1:54 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 02
WISDOT/CADDS SHEET 42

SUPERELEVATION TABLE FOR CTH E						
LOCATION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
CURVE 41	243+22.27'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 41	243+22.27'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 41	243+63.57'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 41	244+04.88'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 41	244+46.18'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 41	244+58.57'	BEGIN FULL SUPER	-4.60%	-4.60%	4.60%	4.60%
CURVE 41	246+64.13'	END FULL SUPER	-4.60%	-4.60%	4.60%	4.60%
CURVE 42	248+50.83'	BEGIN FULL SUPER	6.00%	6.00%	-6.00%	-6.00%
CURVE 42	249+24.20'	END FULL SUPER	6.00%	6.00%	-6.00%	-6.00%
CURVE 43	249+91.20'	BEGIN FULL SUPER	3.70%	3.70%	3.70%	4.00%
CURVE 43	251+59.64'	END FULL SUPER	3.70%	3.70%	-3.70%	-4.00%
CURVE 43	251+95.02'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 43	252+36.64'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 43	252+78.26'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 43	252+78.26'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 44	255+91.58'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 44	255+91.58'	END NORMAL CROWN	4.00%	2.00%	2.00%	4.00%
CURVE 44	256+33.20'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 44	256+74.82'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 44	257+10.70'	BEGIN FULL SUPER	3.70%	3.70%	-3.70%	-4.00%
CURVE 44	259+21.68'	END FULL SUPER	3.70%	3.70%	-3.70%	-4.00%
CURVE 44	259+47.06'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 44	259+88.68'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 44	260+30.30'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 44	260+30.30'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 45	260+90.96'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 45	260+90.96'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 45	261+32.32'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 45	261+73.69'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 45	262+15.05'	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
CURVE 45	262+23.32'	BEGIN FULL SUPER	-4.40%	-4.40%	4.40%	4.40%
CURVE 45	264+65.30'	END FULL SUPER	-4.40%	-4.40%	4.40%	4.40%
CURVE 45	264+73.57'	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	4.00%
CURVE 45	265+14.93'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 45	265+56.30'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 45	265+97.66'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 45	265+97.66'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

SUPERELEVATION TABLE FOR CTH E						
LOCATION	STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
CURVE 46	266+84.54'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 46	266+84.54'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 46	267+26.04'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 46	267+67.54'	REVERSE CROWN	4.00%	2.00%	2.00%	2.00%
CURVE 46	268+09.04'	BEGIN FULL SUPER	-4.00%	-4.00%	4.00%	4.00%
CURVE 46	270+77.45'	END FULL SUPER	-4.00%	-4.00%	4.00%	4.00%
CURVE 46	271+18.95'	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
CURVE 46	271+60.45'	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
CURVE 46	272+01.95'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 46	272+01.95'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 47	275+60.69'	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 47	275+60.69'	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 47	276+02.05'	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
CURVE 47	276+43.42'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 47	276+84.78'	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	4.00%
CURVE 47	276+93.05'	BEGIN FULL SUPER	4.40%	4.40%	-4.40%	-4.40%
CURVE 47	278+34.63'	END FULL SUPER	4.40%	4.40%	-4.40%	-4.40%
CURVE 48	278+94.67'	BEGIN FULL SUPER	4.30%	4.30%	-4.30%	-4.30%
CURVE 48	279+58.68'	END FULL SUPER	4.30%	4.30%	-4.30%	-4.30%
CURVE 48	280+06.29'	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
CURVE 48	280+47.68'	LEVEL CROWN	0.00%	0.00%	2.00%	4.00%
CURVE 48	280+89.08'	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 48	280+89.08'	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

Estimate Of Quantities

8773-00-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	129.000	129.000
0004	201.0205	Grubbing	STA	129.000	129.000
0006	203.0100	Removing Small Pipe Culverts	EACH	14.000	14.000
0008	204.0110	Removing Asphaltic Surface	SY	103.000	103.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	7,360.000	7,360.000
0012	204.0165	Removing Guardrail	LF	462.000	462.000
0014	205.0100	Excavation Common	CY	29,784.000	29,784.000
0016	209.2500	Backfill Granular Grade 2	TON	3,737.000	3,737.000
0018	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 8773-00-72	EACH	1.000	1.000
0020	213.0100	Finishing Roadway (project) 01. 8773-00-72	EACH	1.000	1.000
0022	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,344.000	1,344.000
0024	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22,961.000	22,961.000
0026	455.0605	Tack Coat	GAL	2,680.000	2,680.000
0028	460.2000	Incentive Density HMA Pavement	DOL	6,390.000	6,390.000
0030	460.6223	HMA Pavement 3 MT 58-28 S	TON	5,754.000	5,754.000
0032	460.6244	HMA Pavement 4 MT 58-34 S	TON	4,231.000	4,231.000
0034	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	55.000	55.000
0036	465.0315	Asphaltic Flumes	SY	63.000	63.000
0038	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	4.000	4.000
0040	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000	2.000
0042	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	438.000	438.000
0044	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0046	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	21.000	21.000
0048	522.2424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	52.000	52.000
0050	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000	2.000
0052	530.0112	Culvert Pipe Corrugated Polyethylene 12-Inch	LF	54.000	54.000
0054	530.0124	Culvert Pipe Corrugated Polyethylene 24-Inch	LF	78.000	78.000
0056	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,295.000	2,295.000
0058	606.0100	Riprap Light	CY	20.000	20.000
0060	606.0200	Riprap Medium	CY	10.000	10.000
0062	606.0300	Riprap Heavy	CY	9.000	9.000
0064	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	7.000	7.000
0066	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	34.000	34.000
0068	611.0639	Inlet Covers Type H-S	EACH	1.000	1.000
0070	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0072	611.8120.S	Cover Plates Temporary	EACH	1.000	1.000
0074	618.0100	Maintenance and Repair of Haul Roads (project) 01. 8773-00-72	EACH	1.000	1.000
0076	619.1000	Mobilization	EACH	1.000	1.000
0078	624.0100	Water	MGAL	247.000	247.000
0080	625.0100	Topsoil	SY	21,155.000	21,155.000
0082	625.0500	Salvaged Topsoil	SY	21,155.000	21,155.000
0084	628.1504	Silt Fence	LF	17,545.000	17,545.000
0086	628.1520	Silt Fence Maintenance	LF	17,545.000	17,545.000
0088	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0090	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0092	628.2004	Erosion Mat Class I Type B	SY	41,100.000	41,100.000
0094	628.2027	Erosion Mat Class II Type C	SY	610.000	610.000
0096	628.2039	Erosion Mat Class III Type D	SY	612.000	612.000
0098	628.6005	Turbidity Barriers	SY	86.000	86.000

8773-00-72

Line	Item	Item Description	Unit	Total	Qty
0100	628.6505	Soil Stabilizer Type A	ACRE	0.100	0.100
0102	628.7005	Inlet Protection Type A	EACH	1.000	1.000
0104	628.7015	Inlet Protection Type C	EACH	1.000	1.000
0106	628.7504	Temporary Ditch Checks	LF	290.000	290.000
0108	628.7555	Culvert Pipe Checks	EACH	80.000	80.000
0110	628.7560	Tracking Pads	EACH	2.000	2.000
0112	628.7570	Rock Bags	EACH	280.000	280.000
0114	629.0205	Fertilizer Type A	CWT	27.000	27.000
0116	630.0120	Seeding Mixture No. 20	LB	1,900.000	1,900.000
0118	630.0200	Seeding Temporary	LB	1,140.000	1,140.000
0120	630.0500	Seed Water	MGAL	480.000	480.000
0122	633.5200	Markers Culvert End	EACH	21.000	21.000
0124	634.0616	Posts Wood 4x6-Inch x 16-FT	EACH	24.000	24.000
0126	634.0618	Posts Wood 4x6-Inch x 18-FT	EACH	15.000	15.000
0128	637.2210	Signs Type II Reflective H	SF	53.910	53.910
0130	637.2230	Signs Type II Reflective F	SF	211.000	211.000
0132	638.2102	Moving Signs Type II	EACH	27.000	27.000
0134	638.2602	Removing Signs Type II	EACH	56.000	56.000
0136	638.3000	Removing Small Sign Supports	EACH	39.000	39.000
0138	638.4000	Moving Small Sign Supports	EACH	21.000	21.000
0140	642.5201	Field Office Type C	EACH	1.000	1.000
0142	643.0300	Traffic Control Drums	DAY	140.000	140.000
0144	643.0420	Traffic Control Barricades Type III	DAY	1,540.000	1,540.000
0146	643.0705	Traffic Control Warning Lights Type A	DAY	3,080.000	3,080.000
0148	643.0900	Traffic Control Signs	DAY	9,680.000	9,680.000
0150	643.0920	Traffic Control Covering Signs Type II	EACH	6.000	6.000
0152	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0154	643.5000	Traffic Control	EACH	1.000	1.000
0156	645.0120	Geotextile Type HR	SY	89.000	89.000
0158	646.1020	Marking Line Epoxy 4-Inch	LF	68,605.000	68,605.000
0160	648.0100	Locating No-Passing Zones	MI	3.250	3.250
0162	650.4000	Construction Staking Storm Sewer	EACH	3.000	3.000
0164	650.4500	Construction Staking Subgrade	LF	14,158.000	14,158.000
0166	650.5000	Construction Staking Base	LF	14,158.000	14,158.000
0168	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,295.000	2,295.000
0170	650.6000	Construction Staking Pipe Culverts	EACH	11.000	11.000
0172	650.8000	Construction Staking Resurfacing Reference	LF	3,025.000	3,025.000
0174	650.9911	Construction Staking Supplemental Control (project) 01. 8773-00-72	EACH	1.000	1.000
0176	650.9920	Construction Staking Slope Stakes	LF	14,158.000	14,158.000
0178	690.0150	Sawing Asphalt	LF	350.000	350.000
0180	740.0440	Incentive IRI Ride	DOL	13,017.000	13,017.000
0182	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	800.000	800.000
0184	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0186	SPV.0060	Special 01. Temporary Mailbox Station	EACH	1.000	1.000

3

CLEARING AND GRUBBING

STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	REMARKS
110+00 - 111+00	RT	1	1	-
111+00 - 122+00	LT&RT	11	11	-
122+00 - 124+00	RT	2	2	
126+00 - 127+00	RT	1	1	-
127+00 - 129+00	LT&RT	2	2	-
129+00 - 131+00	RT	2	2	-
131+00 - 137+00	LT&RT	6	6	-
137+00 - 140+00	RT	3	3	-
140+00 - 156+00	LT&RT	16	16	-
161+00 - 163+00	LT&RT	2	2	-
163+00 - 164+00	LT	1	1	-
164+00 - 167+00	LT&RT	3	3	-
190+00 - 195+00	LT&RT	5	5	-
195+00 - 199+00	LT	4	4	
199+00 - 200+00	LT&RT	1	1	-
200+00 - 202+00	LT	2	2	-
202+00 - 207+00	LT&RT	5	5	
207+00 - 219+00	LT	12	12	-
219+00 - 222+00	LT&RT	3	3	-
222+00 - 226+00	LT	4	4	-
226+00 - 243+00	LT&RT	17	17	-
243+00 - 244+00	LT	2	2	
244+00 - 245+00	LT&RT	1	1	-
245+00 - 253+00	RT	8	8	-
254+00 - 255+00	RT	1	1	-
255+00 - 258+00	LT&RT	3	3	-
258+00 - 260+00	LT	2	2	-
262+00 - 263+00	LT	1	1	
264+00 - 268+00	RT	4	4	-
269+00 - 271+00	LT	2	2	-
275+00 - 277+00	LT	2	2	-
PROJECT TOTALS		129	129	

NOTE: CLEAR EVERYTHING WITHIN THE CLEAR ZONE AND SLOPE INTERCEPT

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
154+31	LT	1	CMCP 12-INCH
155+01	LT&RT	1	CMCP 18-INCH
164+69	LT&RT	1	CMCP 30-INCH
190+59	LT&RT	1	CMCP 18-INCH
202+19	LT&RT	1	CMCP 18-INCH
212+97	LT&RT	1	CMCP 18-INCH
227+49	RT	1	CMCP 12-INCH
235+49	LT&RT	1	CMCP 18-INCH
242+09	LT&RT	1	CMCP 18-INCH
243+58	RT	1	CMCP 15-INCH
252+84	RT	1	CMCP 12-INCH
263+01	LT&RT	1	CMCP 18-INCH
271+45	RT	1	CMCP 24-INCH
280+89	LT&RT	1	CMCP 24-INCH
PROJECT TOTALS		14	

REMOVING GUARDRAIL

STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	REMARKS
163+43 -164+64	RT	121	-
164+48 - 165+37	LT	89	-
272+64 - 275+16	LT	252	-
PROJECT TOTALS		462	

REMOVING ASPHALT

STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
155+50 - 190+00	LT&RT	103	7360	-
PROJECT TOTALS		103	7360	

EARTHWORK SUMMARY (PROJECT ID 8773-00-72)

FROM/TO STATION	LOCATION	*205.0100 EXCAVATION COMMON (1) (CY) CUT (2)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL FACTOR 1.25	MASS ORDINATE +/- (5)
109+75 - 155+50	CTH E	6,995	2,016	4,979	3,381	4,226	753
161+88 - 166+13	CTH E	500	187	313	357	446	-133
190+00 - 281+58	CTH E	19,689	4,032	15,657	3,643	4,554	11,103
	W WILLIAMS RD (6)	175	34	141	6	8	134
	N NYBERG RD (6)	226	62	164	32	40	124
PROJECT TOTAL		27,585	6,331	21,254	7,419	9,274	11,981

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLANS

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL, INCLUDES EXISTING CONCRETE PAVEMENT AND RUBBILIZED CONCRETE PAVEMENT
(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(5) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(6) THE CUT AND FILL VALUES WERE OBTAINED FROM SURFACE TO SURFACE VOLUME COMPARISON

3

DRIVEWAYS AND FIELD ENTRANCES

STATION	LOCATION	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	REMARKS
124+16	LT	10	-	AGG, PE
139+11	RT	14	-	AGG, PE
146+65	LT	18	-	AGG, PE
149+74	RT	22	-	AGG, PE
152+00	RT	17	-	AGG, PE
154+25	RT	-	12	ASPH, PE
158+16	LT	24	-	AGG, PE
164+89	RT	14	-	AGG, PE
168+52	RT	8	-	AGG, PE
169+75	LT	-	10	ASPH, PE
171+02	LT	5	-	AGG, PE
172+29	RT	9	-	AGG, PE
173+55	LT	-	4	ASPH, PE
173+58	RT	7	-	AGG, PE
174+72	LT	-	3	ASPH, PE
179+50	LT	12	-	AGG, PE
198+04	LT	24		AGG, PE
210+48	RT	17	-	AGG, PE
220+21	LT	15	-	AGG, PE
222+60	LT	13	-	AGG, PE
222+81	RT	14	-	AGG, PE
227+49	RT	-	7	ASPH, PE
231+75	RT	-	8	ASPH, PE
241+46	LT	7	-	AGG, PE
245+23	LT	-	5	ASPH, PE
252+82	RT	-	5	ASPH, PE
260+14	RT	30	-	AGG, PE
268+47	RT	16	-	AGG, PE
270+31	RT	13	-	AGG, PE
277+72	LT	21	-	AGG, PE
PROJECT TOTALS		331	55	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLANS

CULVERT PIPE BACKFILL

STATION	LOCATION	*205.0100 EXCAVATION COMMON CY	209.2500 BACKFILL GRANULAR GRADE 2 TON	REMARKS
135+95 - 137+05	LT&RT	243	413	CULVERT PIPE BACKFILL
154+46 - 155+50	LT&RT	231	393	CULVERT PIPE BACKFILL
164+14 - 165+24	LT&RT	284	484	CULVERT PIPE BACKFILL
190+14 - 191+24	LT&RT	267	453	CULVERT PIPE BACKFILL
201+64 - 202+74	LT&RT	243	413	CULVERT PIPE BACKFILL
234+93 - 236+03	LT&RT	207	353	CULVERT PIPE BACKFILL
241+55 - 242+65	LT&RT	225	383	CULVERT PIPE BACKFILL
262+15 - 263+55	LT&RT	213	363	CULVERT PIPE BACKFILL
280+34 - 281+44	LT&RT	284	484	CULVERT PIPE BACKFILL
PROJECT TOTALS		2,199	3,737	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLANS

FLUMES

STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY	REMARKS
129+15	LT	10	-
129+15	RT	8	-
131+75	LT	10	-
132+05	RT	7	-
138+55	LT	8	-
153+54	LT	8	-
202+05	LT	6	-
213+74	LT	6	-
PROJECT TOTALS		63	

BASE AGGREGATE ITEMS

STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	REMARKS
109+75 - 155+50	LT&RT	424	7,128	80	-
155+50 - 190+00	LT&RT	77	658	10	-
190+00 - 243+54	LT&RT	425	8,337	90	-
243+54 - 281+58	LT&RT	329	5,874	60	-
RYNDAK ROAD	RT	15	-	0	-
SPRING LAKE TRAIL	RT	11	-	0	-
WILLIAMS ROAD	LT	9	255	3	-
BAYVIEW LANE	RT	-	41	0	-
NYBERG ROAD	RT	18	336	4	-
HIDDEN WOODS DRIVE	RT	36	-	0	-
PROJECT TOTALS		1,344	22,630	247	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE ON PLANS

ASPHALTIC ITEMS

STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6244 HMA PAVEMENT 4 MT 58-34 S TON	REMARKS
109+75 - 155+50	LT&RT	569	1590	1110	-
155+50 - 190+00	LT&RT	935	870	820	-
190+00 - 243+54	LT&RT	660	1850	1290	-
243+54 - 281+58	LT&RT	465	1300	910	-
WILLIAMS ROAD	LT	20	56	39	-
BAYVIEW LANE	RT	5	13	9	-
NYBERG ROAD	RT	27	75	53	-
PROJECT TOTALS		2680	5754	4231	

CULVERT PIPE SUMMARY

STATION	LOCATION	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	*522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.2424 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH EACH	530.0112 CULVERT PIPE CORRUGATED POLYETHYLENE 12-INCH LF	530.0124 CULVERT PIPE CORRUGATED POLYETHYLENE 24-INCH LF	*633.5200 MARKERS CULVERT END EACH	CONCRETE THICKNESS (INCHES)	INLET** ELEVATION	OUTLET** ELEVATION
136+49.64	CTH E			40	2	-	-	-	-	2	3	1327.30	1327.01
31+94	WILLIAMS RD	-	-	70	2	-	-	-	-	2	3	1271.20	1270.83
155+01.07	CTH E	-	-	48	2	-	-	-	-	2	3	1270.22	1270.00
164+69.05	CTH E	-	-	-	-	52	2	-	-	2	3.75	1269.58	1268.89
190+69.00	CTH E	-	-	40	2	-	-	-	-	2	3	1271.20	1271.00
202+19.00	CTH E	-	-	38	2	-	-	-	-	2	3	1272.70	1272.42
227+49.33' RT	CTH E	2	-	-	-	-	-	30	-	-	-	1312.73	1312.31
235+48.00	CTH E	-	-	34	2	-	-	-	-	2	3	1281.20	1280.42
242+10.00	CTH E	-	-	38	2	-	-	-	-	2	3	1271.29	1270.91
51+54	NYBERG RD	-	-	54	2	-	-	-	-	-	3	1274.70	1274.03
252+84.58' RT	CTH E	2	-	-	-	-	-	24	-	-	-	1283.55	1283.33
263+00.00	CTH E	-	-	40	2	-	-	-	-	2	3	1289.50	1288.60
60+43	WILLIAMS RD	-	-	36	2	-	-	-	-	-	3	1308.70	1308.50
280+90.39	CTH E	-	2	-	-	-	-	-	78	2	-	1333.16	1330.06
PROJECT TOTALS		4	2	438	20	52	2	54	78	20			

*ADDITIONAL QUANTITY SHOWN ELSEWHERE
**PIPE INVERT AT END OF PIPE FOR INFORMATION ONLY. FIELD VERIFY.

STORM SEWER ITEMS

STRUCTURE NUMBER	STATION	LOCATION	INLET STATION	INLET OFFSET	INLET INVERT ELEVATION	INLET RIM ELEVATION	STRUCTURE DEPTH	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	PIPE THICKNESS	SLOPE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	*522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	611.0639 INLET COVERS TYPE H-S EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.8120.S COVER PLATES TEMPORARY EACH	*633.5200 MARKERS CULVERT END EACH	REMARKS
1-1, 1-2	212+95	LT&RT	212+94	13.5	1294.71	1298.63	3.92	212+96	-20.0	1294.50	3.0"	0.63%	-	34	-	1	1	1	1	1	-
1-3	213+00	RT	213+00	17.2	1297.30	-	-	212+94	13.5	1295.71	2.0"	23.60%	7	-	1	-	-	-	-	-	-
PROJECT TOTALS													7	34	1	1	1	1	1	1	

*ADDITIONAL ITEMS SHOWN ELSEWHERE IN PLANS

RIPRAP

STATION	LOCATION	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	REMARKS
136+57	RT	-	2	-	4	-
154+87	LT	-	4	-	8	-
190+69	RT	3	-	-	8	-
202+19	LT	3	-	-	8	-
212+97	LT	2	-	-	8	-
235+48	RT	3		-	8	-
242+10	LT	3	-	-	8	-
243+12	RT	3	-	-	8	-
263+00	LT	3	-	-	8	-
271+15	RT	-	4	-	8	-
280+98	LT	-	-	9	13	-
PROJECT TOTALS		20	10	9	89	

CONCRETE CURB AND GUTTER

CATEGORY	STATION	LOCATION	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	REMARKS
0010	129+20 - 132+00	LT&RT	530	-
	136+50 - 138+50	LT	200	-
	146+91 - 153+50	LT	657	-
	200+00 - 202+00	LT	200	-
	210+62 - 213+00	RT	238	-
	213+80 - 218+50	LT	470	-
PROJECT TOTALS			2295	

FINISHING ITEMS

STATION - STATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	629.0205 FERTILIZER TYPE A CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
ENTIRE PROJECT	16,925	16,925	21	1,520	910	380	-
UNDISTRIBUTED QTY	4,230	4,230	6	380	230	100	-
PROJECT TOTALS	21,155	21,155	27	1,900	1,140	480	

REMOVING SIGNS

SIGN #	SIGN MESSAGE	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R1-2	T INTERSECTION/30 MPH	CTH E	2	1	-
R1-4	ROADWAY CURVES LEFT	CTH E	1	1	-
R1-5	CURVES IN ROADWAY AHEAD/35 MPH	CTH E	2	1	-
R2-4	CURVES IN ROADWAY AHEAD/35 MPH	CTH E	2	1	-
R2-5	STOP SIGN	WILLIAMS ROAD	1	1	-
R2-7	STOP SIGN	CTH E	1	1	-
R2-8	STOP SIGN AHEAD	CTH E	1	1	-
R2-10	T INTERSECTION	CTH E	1	1	-
R2-12	NO PARKING ANY TIME	CTH E	1	1	-
R2-13	STOP SIGN	CTH E	1	1	-
R2-14	DOUBLE ARROW	CTH E	1	-	-
R2-16	NO PARKING ANY TIME	CTH E	1	1	-
R2-18	CURVES IN ROADWAY AHEAD/25 MPH	CTH E	1	1	-
R3-1	STOP SIGN AHEAD	CTH E	1	1	-
R3-2	T INTERSECTION	CTH E	1	1	-
R3-3	HAZARD	CTH E	1	1	-
R3-4	HAZARD	CTH E	1	1	-
R3-5	NO PARKING ANY TIME	CTH E	1	1	-
R3-6	NO PARKING ANY TIME	CTH E	1	1	-
R3-7	HAZARD	CTH E	1	1	-
R3-8	HAZARD	CTH E	1	1	-
R3-9	CURVES IN ROADWAY AHEAD/25 MPH	CTH E	2	1	-
R3-10	PEDESTRIANS/15 MPH	CTH E	2	1	-
R3-11	TURNS IN ROADWAY AHEAD/15 MPH	CTH E	2	1	-
R3-12	PEDESTRIANS/15 MPH/BUMP	CTH E	3	1	-
R4-1	NO PARKING ANY TIME	CTH E	1	1	-
R4-2	NO PARKING ANY TIME	CTH E	1	1	-
R4-3	NO PARKING ANY TIME	CTH E	1	1	-
R4-4	TURNS IN ROADWAY AHEAD/15 MPH	CTH E	2	1	-
R4-6	NO PARKING ANY TIME	CTH E	1	1	-
R4-7	LEFT ARROW	CTH E	1	1	-
R4-8	RIGHT ARROW	CTH E	1	-	-
R4-9	NO PARKING ANY TIME	CTH E	1	1	-
R4-10	CURVES IN ROADWAY AHEAD/30 MPH	CTH E	2	1	-
R5-3	CURVES IN ROADWAY AHEAD/30 MPH	CTH E	2	1	-
R6-2	T INTERSECTION	CTH E	1	1	-
R6-3	STOP SIGN	NYBERG ROAD	1	1	-
R6-5	CURVES IN ROADWAY AHEAD/35 MPH	CTH E	2	1	-
R7-1	CURVES IN ROADWAY AHEAD/35 MPH	CTH E	2	1	-
R7-2	NEXT 5 MILES	CTH E	1	-	-
R7-3	JCT CTH B	CTH E	2	1	-
R7-5	STOP SIGN AHEAD	CTH E	1	1	-
		PROJECT TOTALS	56	39	

PERMANENT SIGNING

SIGN NO.	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH 18-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
1-1	LT	-	ADOPT A HIGHWAY	-	-	-	-	-	1	1
1-2	LT	W2-2R	T INTERSECTION	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	30 MPH	18"x18"	-	2.25	-	-	-	-
1-3	RT	W7-1	STEEP GRADE	30"x30"	-	6.25	1	-	-	-
1-4	LT	W1-2L	ROADWAY CURVES LEFT	36"x36"	-	9.00	1	-	-	-
1-5	RT	W1-5L	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	RT	W13-1	35 MPH	18"x18"	-	2.25	-	-	-	-
2-1	RT	-	RYNDAK ROAD	-	-	-	-	-	1	1
2-2	RT	-	ADOPT A HIGHWAY	-	-	-	-	-	1	1
2-3	LT	-	ATV ROUTE	-	-	-	-	-	1	1
2-4	LT	W1-5R	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	35 MPH	18"x18"	-	2.25	-	-	-	-
2-5	LT	R1-1	STOP SIGN	30"x30"	5.18	-	1	-	-	-
2-6	LT	-	WILLIAMS ROAD	-	-	-	-	-	1	1
2-7	LT	R1-1	STOP SIGN	30"x30"	5.18	-	1	-	-	-
2-8	RT	W3-1	STOP SIGN AHEAD	36"x36"	-	9.00	1	-	-	-
2-9	RT	-	SPRING LAKE TRAIL	-	-	-	-	-	1	1
2-10	RT	W2-2L	T INTERSECTION	30"x30"	-	6.25	1	-	-	-
2-11	RT	-	ATV ROUTE/LEFT ARROW	-	-	-	-	-	2	1
2-12	RT	R7-1D	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
2-13	RT	R1-1	STOP SIGN	30"x30"	5.18	-	1	-	-	-
2-14	RT	W1-7	DOUBLE ARROW/ATV ROURE/LEFT RIGHT ARROWS	48"x24"	-	8.00	-	-	4	1
2-15	RT	-	SPRING LAKE	-	-	-	-	-	1	2
2-16	RT	R7-1L	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
2-17	RT	-	WEIGHT LIMIT 10 TONS/NO TRUCKS	-	-	-	-	-	2	1
2-18	RT	W1-5R	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	RT	W13-1	25 MPH	18"x18"	-	2.25	-	-	-	-
2-19	RT	-	END ATV ROUTE	-	-	-	-	-	2	1
3-1	LT	W3-1	STOP SIGN AHEAD	36"x36"	-	9.00	1	-	-	-
3-2	LT	W2-2R	T INTERSECTION	30"x30"	-	6.25	1	-	-	-
3-5	RT	R7-1D	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
3-6	RT	-	TURTLE CROSSING	30"x30"	-	6.25	1	-	-	-
3-7	RT	R7-1R	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
3-10	LT	W1-5L	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	25 MPH	18"x18"	-	2.25	-	-	-	-
3-11	LT	W11-2	PEDESTRIANS	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	15 MPH	18"x18"	-	2.25	-	-	-	-
3-12	RT	W1-5R	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	RT	W13-1	15 MPH	18"x18"	-	2.25	-	-	-	-
3-13	RT	W11-2	PEDESTRIANS	30"x30"	-	6.25	-	1	-	-
	RT	W13-1	15 MPH	18"x18"	-	2.25	-	-	-	-
3-14	RT	-	LOW SHOULDER	-	-	-	-	-	1	1
4-1	LT	-	TURTLE CROSSING	30"x30"	-	6.25	1	-	-	-
4-2	LT	R7-1R	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
4-3	LT	R7-1D	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
4-4	LT	R7-1L	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
4-5	LT	W1-5R	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	15 MPH	18"x18"	-	2.25	-	-	-	-
4-6	LT	-	HIDDEN INTERSECTION	-	-	-	-	-	1	1
			SUBTOTAL		36.54	134.25	18	8	18	13

3

3

PERMANENT SIGNING (CONTINUED)

SIGN NO.	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH 18-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
4-7	RT	R7-1D	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
4-8	RT	W1-6	LEFT ARROW	48"x24"	-	8.00	1	-	-	-
4-9	RT	W1-6	RIGHT ARROW	48"x24"	-	8.00	-	-	-	-
4-10	RT	R7-1R	NO PARKING ANYTIME	18"x24"	3.00	-	1	-	-	-
4-11	RT	W1-5L	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	RT	W13-1	30 MPH	18"x18"	-	2.25	-	-	-	-
4-12	RT	-	BAYVIEW LN/POINT DR	-	-	-	-	-	2	1
5-1	LT	-	ATV ROUTE	-	-	-	-	-	1	1
5-2	RT	-	HIDDEN INTERSECTION	-	-	-	-	-	1	1
5-3	LT	W1-5L	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	30 MPH	18"x18"	-	2.25	-	-	-	-
6-1	LT	-	ADOPT A HIGHWAY	-	-	-	-	-	1	1
6-2	LT	W2-2L	T INTERSECTION	30"x30"	-	6.25	1	-	-	-
6-3	RT	R1-1	STOP SIGN	30"x30"	5.18	-	1	-	-	-
6-4	RT	-	NYBERG LN	-	-	-	-	-	1	1
6-5	RT	W1-5R	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	RT	W13-1	35 MPH	18"x18"	-	2.25	-	-	-	-
7-1	LT	W1-5R	WINDING ROADWAY AHEAD	30"x30"	-	6.25	-	1	-	-
	LT	W13-1	35 MPH	18"x18"	-	2.25	-	-	-	-
7-2	LT	W7-3AP	WINDING ROAD/NEXT 5 MILES	24"x18"	-	3.00	-	-	1	1
7-3	RT	M2-1	JCT	21"x15"	2.19	-	-	1	-	-
	RT	M1-5A	CTH B	24"x24"	4.00	-	-	-	-	-
7-4	RT	-	HIDDEN WOODS RD	-	-	-	-	-	1	1
7-5	RT	W3-1	STOP SIGN AHEAD	36"x36"	-	9.00	1	-	-	-
			SUBTOTAL		17.37	68.25	6	5	8	7
			PROJECT TOTALS		53.91	211.00	24	15	27	21

EROSION CONTROL

STATION	LT/RT	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.2027 EROSION MAT CLASS II TYPE C SY	628.2039 EROSION MAT CLASS III TYPE D SY	628.6005 TURBIDITY BARRIERS SY	628.6505 SOIL STABILIZER TYPE A ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	628.7570 ROCK BAGS EACH	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATONS EMERGENCY EROSION CONTROL EACH	REMARKS
PROJET LENGTH		14,035	14,035	32,880	490	492	86	0.1	1	1	230	60	2	220	12	6	-
UNDISTRIBUTED		3,510	3,510	8,220	120	120	-	0.0	-	-	60	20	-	60	-	-	-
PROJECT TOTALS		17,545	17,545	41,100	610	612	86	0.1	1	1	290	80	2	280	12	6	

3

PAVEMENT MARKING

STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	REMARKS
109+75 - 281+58	ML	33,873	34,367	-
WILLIAMS ROAD	ML	-	91	-
BAYVIEW LN	ML	-	60	-
NYBERG RD	ML	-	214	-
PROJECT TOTALS			68,605	

LOCATING NO PASSING ZONES

LOCATION	648.0100 LOCATING NO-PASSING ZONES MI	REMARKS
109+75 - 281+58	3.25	-
PROJECT TOTAL	3.25	

SAWING ASPHALT

STATION	LOCATION	690.0150 SAWING ASPHALT LF	REMARKS
109+75	ML	22	BEGIN PROJECT
154+25	RT	20	PE
WILLIAMS ROAD	LT	44	SIDEROAD
155+50	ML	22	END RECONSTRUCTION
161+13	ML	22	BEGIN RECONSTRUCTION
166+88	ML	22	END RECONSTRUCTION
169+75	LT	17	PE
173+55	LT	26	PE
174+72	LT	12	PE
190+00	ML	22	BEGIN RECONSTRUCTION
BAYVIEW LANE	RT	17	SIDEROAD
227+49	RT	16	PE
231+75	RT	12	PE
NYBERG ROAD	RT	22	SIDEROAD
245+23	LT	16	PE
252+82	RT	16	PE
281+58	ML	22	END PROJECT
PROJECT TOTALS		350	

TRAFFIC CONTROL

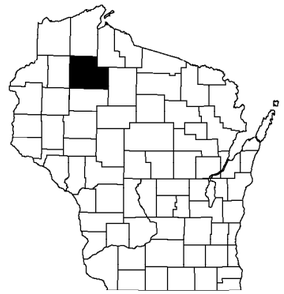
LOCATION	APPROX. SERVICE PERIOD DAYS	643.0300 TRAFFIC CONTROL DRUMS QTY.	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III QTY.	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A QTY.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0900 TRAFFIC CONTROL SIGNS QTY.	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II CYCLES	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS QTY.	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	NOTES
PRE-WARNING	7	20	140	-	-	-	-	-	-	-	-	2	14	PRE-WARN PRIOR TO CONSTRUCTION
DETOUR ROUTE	110	-	-	2	220	4	440	82	9,020	1	6	-	-	-
ENTIRE PROJECT	110	-	-	12	1,320	24	2,640	6	660	-	-	-	-	-
PROJECT TOTALS			140		1,540		3,080		9,680		6		14	

CONSTRUCTION STAKING

STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 01. 8773-00-72 EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
109+75 - 281+58	LT&RT	3	14,158	14,158	2,295	11	3,025	1	14,158	-
PROJECT TOTALS		3	14,158	14,158	2,295	11	3,025	1	14,158	

TEMPORARY MAILBOXES

LOCATION	SPV.0060.01 TEMPORARY MAILBOX STATION EACH	REMARKS
OUTSIDE PROJECT LIMITS	1	-
PROJECT TOTAL	1	



SAWYER COUNTY
SAWYER COUNTY HIGHWAY DEPT
TRANSPORTATION PROJECT PLAT TITLE SHEET
8773-00-02
STH 70 - CTH B
NORWIS ROAD TO CTH B
CTH E
SAWYER COUNTY

4

4

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
EXISTING CENTERLINE
CORPORATE LIMITS
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
BUILDING B TO BE REMOVED B
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND SURVEY MONUMENT (SEE FOUND MONUMENT TABLE) IP
GEODETIC SURVEY MONUMENT
NON-PERMITTED SIGN
PERMITTED SIGN (41 25) SIGN
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	PROPERTY LINE	PL
ACRES	AC	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
CORNER	COR	SEPTIC VENT	SEPV
DOCUMENT NUMBER	DOC	SQUARE FEET	SF
EASEMENT	EASE	STATE TRUNK HIGHWAY	STH
EXISTING	EX	STATION	STA
GAS VALVE	GV	TELEPHONE PEDESTAL	TP
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
INTERSTATE HIGHWAY	IH	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		
POINT OF INTERSECTION	PI		

CURVE DATA ABBREVIATIONS

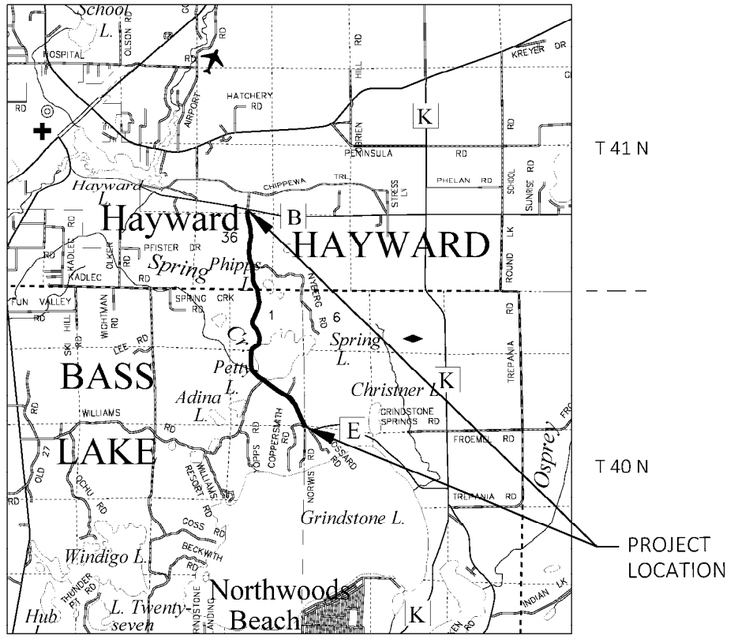
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
DELTA ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

UTILITY NUMBER (40)

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
COMBINED SEWER	SSS
ELECTRIC TOWER	
TRANSMISSION STRUCTURES	

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



LAYOUT
SCALE 0 1 MI.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 8773-00-02.

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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 PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM 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.

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

PROPERTY LINES SHOWN ON THIS PLAT 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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 8773-00-02-4.01
SHEET 2 OF 2

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
PLOT DATE : 1/8/2026 8:34 AM
PLOT BY :
PLOT NAME : _____

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.01

THAT PART OF LOT 1, CSM 1946, V.9, P. 218, DOC. 186059, LOCATED IN PART OF THE NE 1/4 OF THE NE 1/4, SECTION 13, AND PART OF THE SE 1/4 OF THE SE 1/4, SECTION 12, TOWNSHIP 40 NORTH, RANGE 9 WEST, TOWN OF BASS LAKE, SAWYER COUNTY, WISCONSIN.

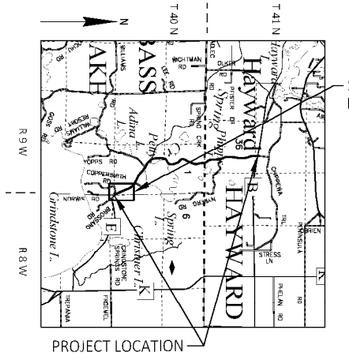
RELOCATION ORDER CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, SAWYER COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF SAWYER, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.

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

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

ALL TLE'S ARE FOR SLOPE GRADING PURPOSES, UNLESS OTHERWISE NOTED.

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
1	FRANK MICHAEL COSSETTA	TLE	-	-	-	1
2	J.S. WILEY	TLE	-	-	-	20977

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	JUMP RIVER ELECTRIC COOPERATIVE, INC.	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	1	V. 278, P. 18, DOC. 158116 V. 409, P. 263-264, DOC. 206396 DOC. 451295	JUMP RIVER ELECTRIC COOPERATIVE, INC.
	2	NO RECORD OF EASEMENT	
	3	V. 256, P. 514, DOC. 149975	
	4	V. 345, P. 503-506, DOC. 185042 V. 718, P. 87, DOC. 286908	

458662
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 08:56 AM
RECORDING FEE 25.00

PAGES: 2

The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.01
SHEET 1 OF 2

RIGHT-OF-WAY COURSE TABLE

COURSE	BEARING	DISTANCE
100-101	SEE CURVE INFO	
101-102	S 47° 16' 35" W	32.54'
102-103	S 47° 16' 35" W	33.46'
103-104	SEE CURVE INFO	
104-105	N 23° 05' 43" W	1364.31'
105-106	S 89° 33' 16" E	35.87'
106-107	S 89° 33' 16" E	36.12'
107-108	S 23° 05' 43" E	1335.56'
108-100	SEE CURVE INFO	

CURVE 100-101
L= 102.55'
LCH= 102.48'
LCB= S38°48'36"E
R= 785.51'

CURVE 103-104
L= 289.33'
LCH= 287.94'
LCB= N32°49'46"W
R= 851.51'

CURVE 108-100
L= 164.17'
LCH= 163.87'
LCB= S29°04'57"E
R= 785.51'

RIGHT-OF-WAY STATION & OFFSET TABLE

POINT	STATION	OFFSET
100	110+71.73	32.87' RT
101	109+64.92	32.54' RT
102	109+64.92	0.00'
103	109+64.92	33.46' LT
104	112+43.05	32.55' LT
105	126+07.24	32.89' LT
106	125+92.92	0.00'
107	125+78.51	33.12' RT
108	112+42.81	33.45' RT

SCALE, FEET
0 100 200

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	CSM 1946, V. 9, P. 218, DOC. 186059	1983
CTH E	CSM 680, V. 4, P. 34, DOC. 152407	1975
CTH E	CSM 681, V. 4, P. 36-37, DOC. 152403	1975
CTH E	CSM 8189, V. 34, P. 295-297, DOC. 405506	2017

TLE STATION & OFFSET TABLE

POINT	STATION	OFFSET
500	111+23.00	32.97' LT
501	111+95.00	60.00' LT
502	112+50.00	32.55' LT
503	113+45.00	32.57' LT
504	115+00.00	52.00' LT
505	115+52.00	34.00' LT
506	117+00.00	50.00' LT
507	119+50.00	38.00' LT
508	120+00.00	38.00' LT
509	120+50.00	45.00' LT
510	121+00.00	45.00' LT
511	122+10.00	32.79' LT
512	123+94.00	33.16' RT
513	123+50.00	43.00' RT
514	120+70.00	51.00' RT
515	119+95.00	33.26' RT
516	119+60.00	33.27' RT
517	119+00.00	40.00' RT
518	118+55.00	33.30' RT
519	116+35.00	33.35' RT
520	116+00.00	40.00' RT
521	115+60.00	33.37' RT
522	115+45.00	33.38' RT
523	114+50.00	62.00' RT
524	113+50.00	38.00' RT
525	112+50.00	42.00' RT
526	111+50.00	50.00' RT

SECTION LINE - COURSE TABLE

COURSE	BEARING	DISTANCE
30006-30005	S 03° 35' 49" E	2737.85'
30005-100	S 00° 19' 27" W	1.88'
100-30007	S 00° 19' 27" W	2499.32'
30007-30005	N 00° 19' 27" E	2501.20'

FOUND MONUMENTS

POINT	Y	X	DESCRIPTION
30008	416790.57	634940.39	1 1/2" IRON PIPE
30009	416837.51	634853.22	1 1/2" IRON PIPE
30011	416694.45	634975.40	1 1/2" IRON PIPE
30012	418487.51	634038.48	3/4" REBAR
30013	418488.15	633966.59	3/4" REBAR

TOWN OF BASS LAKE

NE-NE SECTION 13
SE-SE SECTION 12
NW-NW SECTION 18
SW-SW SECTION 7
FRAC
APPROXIMATE SECTION LINE
APPROXIMATE SIXTEENTH LINE
SECTION LINE
PL
COPPERSMITH RD
NORWIS RD
BROSSARD RD
CTH E
OH
HO
TLE - 8240 SF
TLE - 4743 SF
TLE - 1739 SF
TLE - 352 SF
TLE - 249 SF
TLE - 5654 SF
R/L= N23°04'52"W
PT 112+46.04
PI STA = 107+84.14
Y = 416588.757
X = 634812.014
DELTA = 82°41'01" RT
D = 6°59'14"
T = 721.45'
L = 1183.34'
R = 820.00'
PC STA = 100+62.69
PT STA = 112+46.04
DB = S74°14'07"W
DA = N23°04'52"W
SEE DETAIL A
FOUND
3" ALUMINUM CAP
STA 110+73.33, 33.96' RT
Y= 417121.397
X= 634640.829
30005
FOUND
3" ALUMINUM CAP
30007
Y= 414620.242
X= 634626.677
FOUND
3" ALUMINUM CAP
30006
Y= 419853.851
X= 634469.060
LOT 1 CSM 8189 V. 34, P. 295-297 DOC. 405506
LOT 1 CSM 1946 V. 9, P. 218 DOC. 186059
LOT 1 CSM 681 V. 4, P. 36 DOC. 152403
LOT 2 CSM 681 V. 4, P. 36 DOC. 152403
LOT 3 CSM 680 V. 4, P. 34 DOC. 152407

DETAIL A
(NOT TO SCALE)

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY,
I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR SAWYER COUNTY

SIGNATURE: DATE: 1-8-26
PRINT NAME: JOHN PINNOW

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
PLOT DATE : 1/8/2026 8:36 AM
PLOT BY : SEH
PLOT NAME :
8773-00-02
APPRAISAL PLAT DATE : 1-8-26

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.02

THAT PART OF THE NE 1/4 OF THE SE 1/4, PART OF LOT 2, CSM 8596, V. 37, P. 218, DOC. 435800, PART OF LOTS 1 AND 2, CSM 2462, V. 11, P. 309-310, DOC. 202754, LOCATED IN AND INCLUDING PART OF GOV. LOT 3, ALL IN SECTION 12, TOWNSHIP 40 NORTH, RANGE 9 WEST, TOWN OF BASS LAKE, SAWYER COUNTY, WISCONSIN.

RELOCATION ORDER CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, SAWYER COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF SAWYER, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	6	DOC. 448965	JUMP RIVER ELECTRIC COOPERATIVE, INC.
	7	DOC. 448964	
	8	DOC. 449194	
	9	DOC. 444254	
	12	V. 682, P. 52, DOC. 278677	
	14	V. 610, P. 284, DOC. 262472	
		V. 610, P. 289, DOC. 262477	
	16	DOC. 414373	
81	8	V. 363, P. 377, DOC. 191713	TELEPHONE USA OF WISCONSIN
		V. 721, P. 294, DOC. 287645	

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	JUMP RIVER ELECTRIC COOPERATIVE, INC.	RELEASE OF RIGHTS
81	TELEPHONE USA OF WISCONSIN	RELEASE OF RIGHTS

PI STA = 129+92.79
Y = 418859.382
X = 633844.398
DELTA = 30°52'22" LT
D = 6°01'52"
T = 262.32'
L = 511.89'
R = 950.00'
PC STA = 127+30.47
PT STA = 132+42.36

PI STA = 134+90.16
Y = 419159.561
X = 633431.937
DELTA = 9°26'39" LT
D = 1°54'35"
T = 247.81'
L = 494.49'
R = 3000.00'
PC STA = 132+42.36
PT STA = 137+36.85

PI STA = 140+87.32
Y = 419427.469
X = 632896.989
DELTA = 3°03'25" RT
D = 2°54'30"
T = 52.57'
L = 105.11'
R = 1970.00'
PC STA = 140+34.76
PT STA = 141+39.87

PI STA = 144+56.46
Y = 419610.145
X = 632576.192
DELTA = 8°11'14" RT
D = 4°51'20"
T = 84.45'
L = 168.62'
R = 1180.00'
PC STA = 143+72.01
PT STA = 145+40.63

PI STA = 146+71.93
Y = 419742.522
X = 632405.818
DELTA = 6°18'12" RT
D = 3°49'11"
T = 82.60'
L = 165.02'
R = 1500.00'
PC STA = 145+89.34
PT STA = 147+54.36

CURVE 120-121
L= 539.88'
LCH= 532.19'
LCB= N39°52'17"W
R= 921.93'

CURVE 122-123
L= 324.10'
LCH= 323.92'
LCB= N59°55'34"W
R= 2831.79'

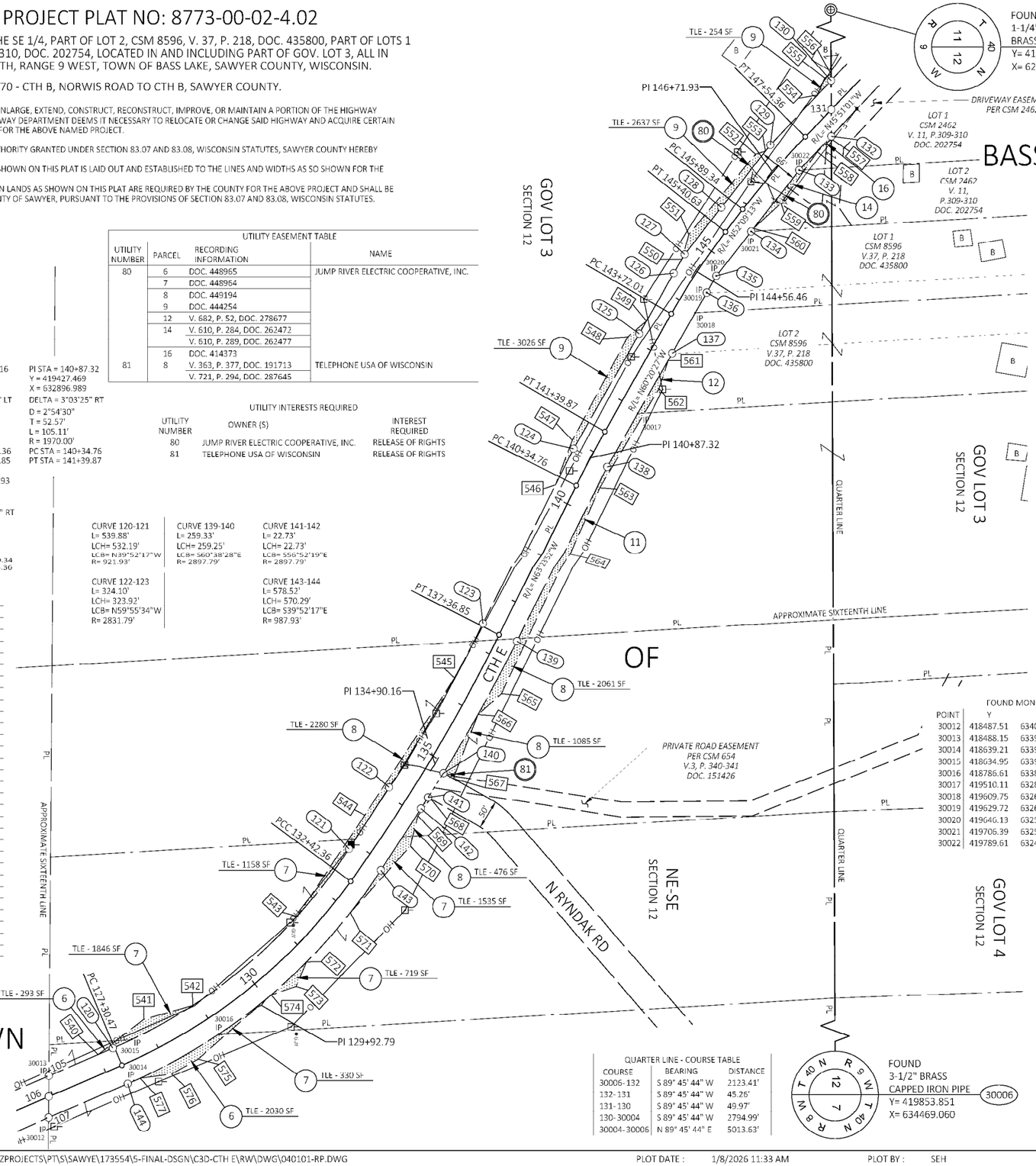
CURVE 139-140
L= 259.33'
LCH= 259.25'
LCB= S60°38'28"E
R= 2897.79'

CURVE 141-142
L= 22.73'
LCH= 22.73'
LCB= S56°52'19"E
R= 2897.79'

CURVE 143-144
L= 578.52'
LCH= 570.29'
LCB= S39°52'17"E
R= 987.93'

RIGHT-OF-WAY COURSE TABLE

COURSE	BEARING	DISTANCE
132-133	S 46° 22' 05" E	80.56'
133-134	S 51° 35' 46" E	133.72'
134-135	S 51° 37' 44" E	97.09'
135-136	S 59° 58' 07" E	32.87'
136-137	S 60° 01' 25" E	119.56'
137-138	S 60° 02' 35" E	225.28'
138-139	S 63° 12' 17" E	346.15'
139-140	SEE CURVE INFO	
140-141	S 57° 35' 13" E	49.59'
141-142	SEE CURVE INFO	
142-143	S 56° 38' 50" E	126.10'
143-144	SEE CURVE INFO	
144-107	S 23° 05' 43" E	148.96'
107-106	N 89° 33' 16" W	36.12'
106-105	N 89° 33' 16" W	35.87'
105-120	N 23° 05' 43" W	120.21'
120-121	SEE CURVE INFO	
121-122	N 56° 38' 50" W	126.10'
122-123	SEE CURVE INFO	
123-124	N 63° 12' 17" W	347.97'
124-125	N 60° 02' 35" W	227.11'
125-126	N 60° 01' 25" W	119.60'
126-127	N 59° 58' 07" W	37.71'
127-128	N 51° 37' 44" W	101.90'
128-129	N 51° 35' 46" W	136.77'
129-130	N 46° 22' 05" W	152.23'
130-131	N 89° 45' 44" E	49.97'
131-132	N 89° 45' 44" E	45.26'



TLE STATION & OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
540	127+00.00	32.91' LT	559	146+40.00	45.00' RT
541	128+00.00	55.00' LT	560	145+75.00	34.69' RT
542	128+90.00	33.40' LT	561	143+00.00	34.61' RT
543	131+35.00	33.83' LT	562	142+50.00	45.00' RT
544	133+50.00	45.00' LT	563	140+50.00	38.00' RT
545	136+35.00	34.21' LT	564	139+25.00	43.00' RT
546	140+20.00	32.67' LT	565	136+50.00	50.00' RT
547	141+00.00	42.00' LT	566	136+00.00	31.56' RT
548	143+00.00	46.00' LT	567	134+85.23	50.00' RT
549	143+40.00	31.17' LT	568	134+35.62	35.00' RT
550	144+60.00	33.84' LT	569	134+00.00	32.00' RT
551	145+00.00	48.00' LT	570	133+50.00	50.00' RT
552	146+75.00	43.00' LT	571	132+00.00	32.12' RT
553	146+90.00	33.62' LT	572	130+90.00	32.22' RT
554	148+20.00	34.65' LT	573	130+50.05	49.95' RT
555	148+50.00	46.00' LT	574	130+10.00	32.35' RT
556	148+62.61	43.00' LT	575	128+50.00	50.00' RT
557	147+82.93	35.00' RT	576	128+00.00	50.00' RT
558	147+50.00	33.00' RT	577	127+50.00	33.01' RT

RIGHT-OF-WAY STATION & OFFSET TABLE

POINT	STATION	OFFSET			
105	126+07.24	32.89' LT	131	148+18.68	0.00'
106	125+92.92	0.00'	132	147+86.34	31.66' RT
107	125+78.51	33.12' RT	133	147+04.72	31.59' RT
120	127+27.45	32.92' LT	134	145+68.47	34.63' RT
121	132+85.89	34.61' LT	135	144+69.43	31.65' RT
122	134+13.49	36.02' LT	136	144+35.69	33.68' RT
123	137+41.32	33.61' LT	137	143+14.28	34.68' RT
124	140+88.39	33.18' LT	138	140+88.14	32.85' RT
125	143+14.64	31.31' LT	139	137+41.10	32.39' RT
126	144+32.61	32.25' LT	140	134+84.43	30.64' RT
127	144+69.22	34.53' LT	141	134+35.34	30.19' RT
128	145+69.07	31.37' LT	142	134+12.83	29.97' RT
129	147+03.33	34.47' LT	143	132+88.01	31.36' RT
130	148+54.39	34.96' LT	144	127+27.47	33.08' RT

QUARTER LINE - COURSE TABLE

COURSE	BEARING	DISTANCE
30006-132	S 89° 45' 44" W	2123.41'
132-131	S 89° 45' 44" W	45.26'
131-130	S 89° 45' 44" W	49.97'
130-30004	S 89° 45' 44" W	2794.99'
30004-30006	N 89° 45' 44" E	5013.63'

FOUND MONUMENTS

POINT	Y	X	DESCRIPTION
30012	418487.51	634038.48	3/4" REBAR
30013	418488.15	633966.59	3/4" REBAR
30014	418639.21	633973.57	3/4" REBAR
30015	418634.95	633903.14	3/4" REBAR
30016	418786.61	633894.87	3/4" REBAR
30017	419510.11	632820.61	1" IRON PIPE
30018	419609.75	632647.99	1" IRON PIPE
30019	419629.72	632613.40	1" IRON PIPE
30020	419646.13	632584.86	1" IRON PIPE
30021	419706.39	632508.77	1" IRON PIPE
30022	419789.61	632404.19	1" IRON PIPE

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN SAWYER COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 458662.

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

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

ALL TLE'S ARE FOR SLOPE GRADING PURPOSES, UNLESS OTHERWISE NOTED.

458678
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 02:00 PM
RECORDING FEE 25.00

PAGES: 1

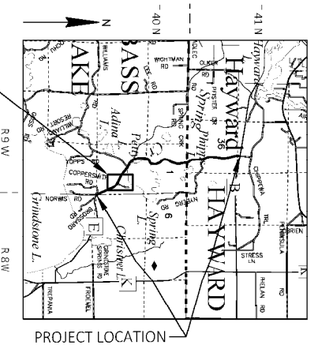
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.02

N

SCALE, FEET
0 100 200

LOCATION SKETCH
NOT TO SCALE



SHEET LOCATION

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	CSM 2462, V. 11, P. 309-310, DOC 202754	1986
CTH E	CSM 8596, V. 37, P. 218, DOC 435800	2021
CTH E	CSM 654, V. 3, P. 340-341, DOC 151426	1975

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
6	BRETT A. & KELLIE R. MOOK	TLE	-	-	-	2323
7	ANDREW P. RUBINO & KELLIE R. MOOK	TLE	-	-	-	5588
8	ANDREW P. & JOANNE E. RUBINO	TLE	-	-	-	5902
9	PAUL GRAHOVAC	TLE	-	-	-	5917
11	MICHAEL P. LEWIS & ROBERT L. LEWIS, JR.	TLE	-	-	-	4178
12	JOHN R. & KATHLEEN J. VALUSEK	TLE	-	-	-	795
14	DOUGLAS D. RUCKDASCHEL TRUST	TLE	-	-	-	923
16	SCOTT DONALD & JAMIE LYNN BRAATEN	TLE	-	-	-	237

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR SAWYER COUNTY

SIGNATURE: John Pinnow DATE: 1-8-26
PRINT NAME: JOHN PINNOW

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
APPRAISAL PLAT DATE : 1-8-26
PLOT DATE : 1/8/2026 11:33 AM PLOT BY : SEH PLOT NAME :
8773-00-02

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.03

THAT PART OF LOT 1, CSM 2462, V. 11, P. 309-310, DOC. 202754, PART OF LOT 1, CSM 3163, V. 13, P. 131-132, DOC. 218750, LOCATED IN AND INCLUDING PART OF GOV. LOT 3, PART OF LOTS 1 AND 2, CSM 770, V. 4, P. 192-193, DOC. 155266, LOCATED IN AND INCLUDING PART OF GOV. LOT 2, ALL IN SECTION 12, TOWNSHIP 40 NORTH, RANGE 9 WEST, TOWN OF BASS LAKE, SAWYER COUNTY, WISCONSIN.

RELOCATION ORDER CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, SAWYER COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF SAWYER, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN SAWYER COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 458662.

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

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

ALL TLE'S ARE FOR SLOPE GRADING PURPOSES, UNLESS OTHERWISE NOTED.

EXCLUDED FROM ALL TEMPORARY LIMITED EASEMENTS ARE ANY LANDS CURRENTLY OCCUPIED BY BUILDINGS.

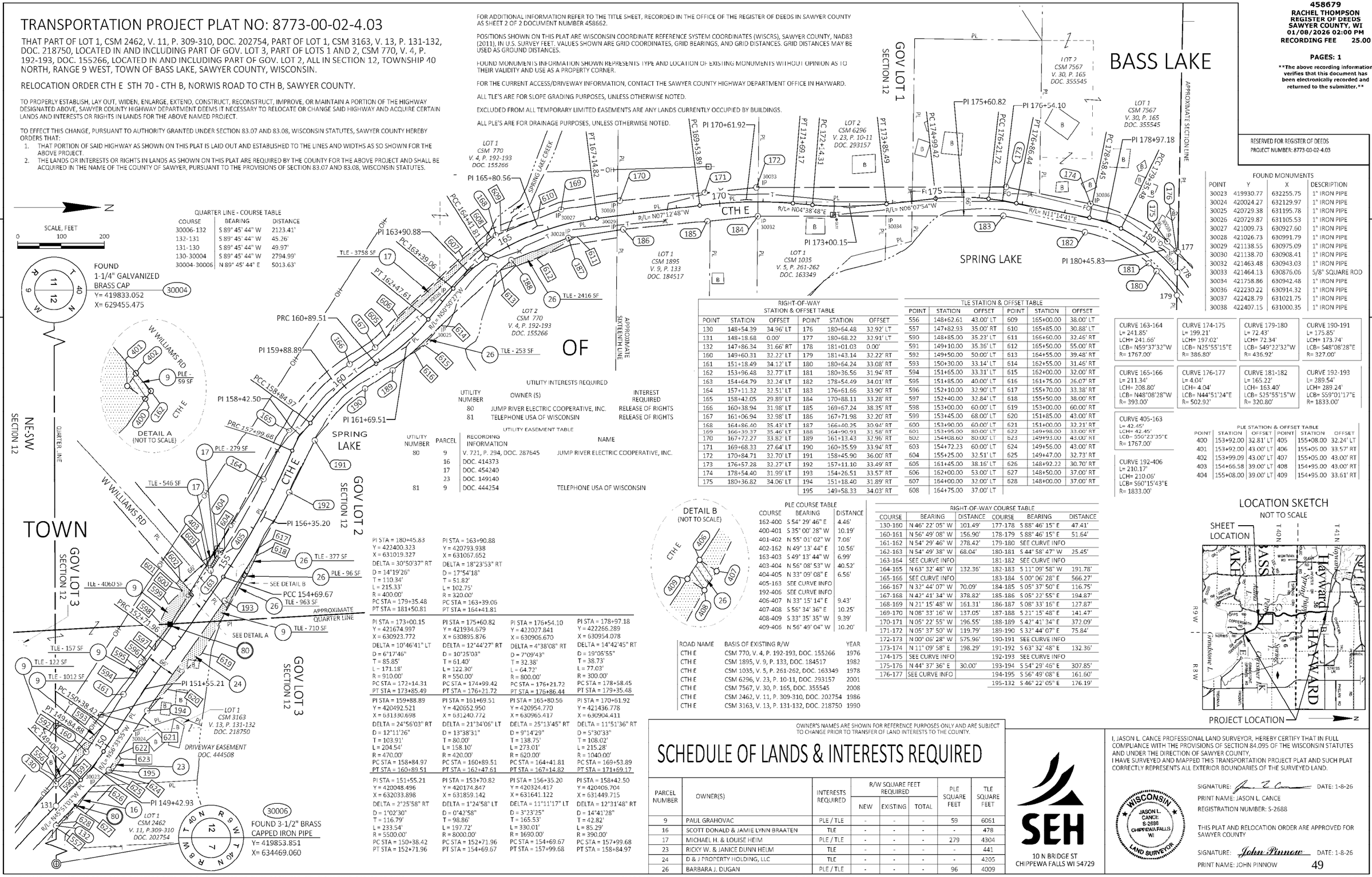
ALL PLE'S ARE FOR DRAINAGE PURPOSES, UNLESS OTHERWISE NOTED.

458679
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 02:00 PM
RECORDING FEE 25.00

PAGES: 1

The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.03



QUARTER LINE - COURSE TABLE

COURSE	BEARING	DISTANCE
30006-132	S 89° 45' 44" W	2123.41'
132-131	S 89° 45' 44" W	45.26'
131-130	S 89° 45' 44" W	49.97'
130-30004	S 89° 45' 44" W	2794.99'
30004-30006	N 89° 45' 44" E	5013.63'

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	JUMP RIVER ELECTRIC COOPERATIVE, INC.	RELEASE OF RIGHTS
81	TELEPHONE USA OF WISCONSIN	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	9	V. 721, P. 294, DOC. 287645	JUMP RIVER ELECTRIC COOPERATIVE, INC.
	16	DOC. 414373	
	17	DOC. 454240	
	23	DOC. 149140	
81	9	DOC. 444254	TELEPHONE USA OF WISCONSIN

RIGHT-OF-WAY STATION & OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
130	148+54.39	34.96' LT	176	180+64.48	32.92' LT
131	148+18.68	0.00'	177	180+68.22	32.91' LT
132	147+86.34	31.66' RT	178	181+01.03	0.00'
160	149+60.31	32.22' LT	179	181+43.14	32.22' RT
161	151+18.49	34.12' LT	180	180+64.24	33.08' RT
162	153+96.48	32.77' LT	181	180+36.56	31.94' RT
163	154+64.79	32.24' LT	182	178+54.49	34.01' RT
164	157+11.32	32.51' LT	183	176+61.66	33.90' RT
165	158+42.05	29.89' LT	184	170+88.11	33.28' RT
166	160+38.94	31.98' LT	185	169+67.24	38.35' RT
167	161+06.94	32.98' LT	186	167+71.98	32.20' RT
168	164+86.40	35.43' LT	187	166+40.25	30.94' RT
169	166+39.37	35.46' LT	188	164+90.91	31.58' RT
170	167+72.27	33.82' LT	189	161+13.43	32.96' RT
171	169+68.33	27.64' LT	190	160+35.59	33.94' RT
172	170+84.71	32.70' LT	191	158+45.90	36.00' RT
173	176+57.28	32.27' LT	192	157+11.10	33.49' RT
174	178+54.40	31.99' LT	193	154+26.51	33.57' RT
175	180+36.82	34.06' LT	194	151+18.40	31.89' RT
			195	149+58.33	34.03' RT

TLE STATION & OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
556	148+62.61	43.00' LT	609	165+00.00	38.00' LT
557	147+82.93	35.00' RT	610	165+85.00	30.88' LT
590	148+85.00	35.23' LT	611	166+60.00	32.46' RT
591	149+10.00	35.36' LT	612	165+50.00	55.00' RT
592	149+50.00	50.00' LT	613	164+55.00	39.48' RT
593	150+30.00	33.14' LT	614	162+55.00	31.46' RT
594	151+65.00	33.31' LT	615	162+00.00	32.00' RT
595	151+85.00	40.00' LT	616	161+75.00	26.07' RT
596	152+10.00	32.90' LT	617	155+70.00	33.38' RT
597	152+40.00	32.84' LT	618	155+50.00	38.00' RT
598	153+00.00	60.00' LT	619	153+00.00	60.00' RT
599	153+45.00	68.00' LT	620	151+85.00	43.00' RT
600	153+90.00	60.00' LT	621	151+00.00	32.21' RT
601	153+95.00	80.00' LT	622	149+98.00	33.00' RT
602	154+08.60	80.00' LT	623	149+93.00	43.00' RT
603	154+72.23	60.00' LT	624	149+56.00	43.00' RT
604	155+25.00	32.51' LT	625	149+47.00	32.73' RT
605	161+45.00	38.16' LT	626	148+92.22	30.70' RT
606	162+00.00	53.00' LT	627	148+50.00	37.00' RT
607	164+00.00	32.00' LT	628	148+00.00	37.00' RT
608	164+75.00	37.00' LT			

FOUND MONUMENTS

POINT	Y	X	DESCRIPTION
30023	419930.77	632255.75	1" IRON PIPE
30024	420024.27	632129.97	1" IRON PIPE
30025	420729.38	631195.78	1" IRON PIPE
30026	420729.87	631105.53	1" IRON PIPE
30027	421009.73	630927.60	1" IRON PIPE
30028	421026.73	630991.79	1" IRON PIPE
30029	421138.55	630975.09	1" IRON PIPE
30030	421138.70	630908.41	1" IRON PIPE
30032	421463.48	630943.03	1" IRON PIPE
30033	421464.13	630876.06	5/8" SQUARE ROD
30034	421758.86	630942.48	1" IRON PIPE
30036	422230.22	630914.32	1" IRON PIPE
30037	422428.79	631021.75	1" IRON PIPE
30038	422407.15	631000.35	1" IRON PIPE

CURVE 163-164 L= 241.85' LCH= 241.66' LCB= N59°37'32"W R= 1767.00'	CURVE 174-175 L= 199.21' LCH= 197.02' LCB= N25°55'15"E R= 386.80'	CURVE 179-180 L= 72.43' LCH= 72.34' LCB= S49°22'32"W R= 436.92'	CURVE 190-191 L= 175.85' LCH= 173.74' LCB= S48°08'28"E R= 327.00'
CURVE 165-166 L= 211.34' LCH= 208.80' LCB= N48°08'28"W R= 393.00'	CURVE 176-177 L= 4.04' LCH= 4.04' LCB= N44°51'24"E R= 502.92'	CURVE 181-182 L= 165.22' LCH= 163.40' LCB= S25°55'15"W R= 320.80'	CURVE 192-193 L= 289.54' LCH= 289.24' LCB= S59°01'17"E R= 1833.00'
CURVE 405-163 L= 42.45' LCH= 42.45' LCB= S56°23'35"E R= 1767.00'			
CURVE 192-406 L= 210.17' LCH= 210.06' LCB= S60°15'43"E R= 1833.00'			

PLE STATION & OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
400	153+92.00	32.81' LT	405	155+08.00	32.24' LT
401	153+92.00	43.00' LT	406	155+05.00	33.57' RT
402	153+99.09	43.00' LT	407	155+05.00	43.00' RT
403	154+66.58	39.00' LT	408	154+95.00	43.00' RT
404	155+08.00	39.00' LT	409	154+95.00	33.61' RT

PLE COURSE TABLE

COURSE	BEARING	DISTANCE
162-400	S 54° 29' 46" E	4.46'
400-401	S 35° 00' 28" W	10.19'
401-402	N 55° 01' 02" W	7.06'
402-162	N 49° 13' 44" E	10.56'
163-403	S 49° 13' 44" W	6.99'
403-404	N 56° 08' 53" W	40.52'
404-405	N 33° 09' 08" E	6.56'
405-163	SEE CURVE INFO	
192-406	SEE CURVE INFO	
406-407	N 33° 15' 14" E	9.43'
407-408	S 56° 34' 36" E	10.25'
408-409	S 33° 35' 35" W	9.39'
409-406	N 56° 49' 04" W	10.20'

RIGHT-OF-WAY COURSE TABLE

COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
130-160	N 46° 22' 05" W	101.49'	177-178	S 88° 46' 15" E	47.41'
160-161	N 56° 49' 08" W	156.90'	178-179	S 88° 46' 15" E	51.64'
161-162	N 54° 29' 46" W	278.42'	179-180	SEE CURVE INFO	
162-163	N 54° 49' 38" W	68.04'	180-181	S 44° 58' 47" W	25.45'
163-164	SEE CURVE INFO		181-182	SEE CURVE INFO	
164-165	N 63° 32' 48" W	132.36'	182-183	S 11° 09' 58" W	191.78'
165-166	SEE CURVE INFO		183-184	S 00° 06' 28" E	566.27'
166-167	N 32° 44' 07" W	70.09'	184-185	S 05° 32' 50" E	116.75'
167-168	N 42° 41' 34" W	378.82'	185-186	S 05° 32' 55" E	194.87'
168-169	N 21° 15' 48" W	161.31'	186-187	S 08° 33' 16" E	127.87'
169-170	N 08° 33' 16" W	137.05'	187-188	S 21° 15' 48" E	141.47'
170-171	N 05° 22' 55" W	196.55'	188-189	S 42° 41' 34" E	372.09'
171-172	N 05° 37' 50" W	119.79'	189-190	S 32° 44' 07" E	75.84'
172-173	N 00° 06' 28" W	575.96'	190-191	SEE CURVE INFO	
173-174	N 11° 09' 58" E	198.29'	191-192	S 63° 32' 48" E	132.36'
174-175	SEE CURVE INFO		192-193	SEE CURVE INFO	
175-176	N 44° 37' 36" E	30.00'	193-194	S 54° 29' 46" E	307.85'
176-177	SEE CURVE INFO		194-195	S 56° 49' 08" E	161.60'
			195-132	S 46° 22' 05" E	176.19'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	CSM 770, V. 4, P. 192-193, DOC. 155266	1976
CTH E	CSM 1895, V. 9, P. 133, DOC. 184517	1982
CTH E	CSM 1035, V. 5, P. 261-262, DOC. 163349	1978
CTH E	CSM 6296, V. 23, P. 10-11, DOC. 293157	2001
CTH E	CSM 7567, V. 30, P. 165, DOC. 355545	2008
CTH E	CSM 2462, V. 11, P. 309-310, DOC. 202754	1986
CTH E	CSM 3163, V. 13, P. 131-132, DOC. 218750	1990

PI STA = 180+45.83
Y = 422400.323
X = 631019.327
DELTA = 30°50'37" RT
D = 14°19'26"
T = 110.34'
L = 215.33'
R = 400.00'
PC STA = 179+35.48
PT STA = 181+50.81

PI STA = 173+00.15
Y = 421674.997
X = 630923.772
DELTA = 10°46'41" LT
D = 6°17'46"
T = 85.85'
L = 171.18'
R = 910.00'
PC STA = 172+14.31
PT STA = 173+85.49

PI STA = 159+88.89
Y = 420492.521
X = 631330.698
DELTA = 24°56'03" RT
D = 12°11'26"
T = 103.91'
L = 204.54'
R = 470.00'
PC STA = 158+84.97
PT STA = 160+89.51

PI STA = 151+55.21
Y = 420048.496
X = 632033.898
DELTA = 2°25'58" RT
D = 1°02'30"
T = 116.79'
L = 233.54'
R = 5500.00'
PC STA = 150+38.42
PT STA = 152+71.96

PI STA = 163+90.88
Y = 420793.938
X = 631067.652
DELTA = 18°23'53" RT
D = 17°54'18"
T = 51.82'
L = 102.75'
R = 320.00'
PC STA = 163+39.06
PT STA = 164+41.81

PI STA = 175+60.82
Y = 421934.679
X = 630895.876
DELTA = 12°44'27" RT
D = 10°25'03"
T = 61.40'
L = 122.30'
R = 550.00'
PC STA = 174+99.42
PT STA = 176+21.72

PI STA = 161+69.51
Y = 420652.950
X = 631240.772
DELTA = 21°34'06" LT
D = 13°38'31"
T = 80.00'
L = 158.10'
R = 420.00'
PC STA = 160+89.51
PT STA = 162+47.61

PI STA = 153+70.82
Y = 420174.847
X = 631859.142
DELTA = 1°24'58" LT
D = 0°42'58"
T = 98.86'
L = 197.72'
R = 8000.00'
PC STA = 152+71.96
PT STA = 154+69.67

PI STA = 176+54.10
Y = 422027.841
X = 630906.670
DELTA = 4°38'08" RT
D = 7°09'43"
T = 32.38'
L = 64.72'
R = 800.00'
PC STA = 176+21.72
PT STA = 176+86.44

PI STA = 165+80.56
Y = 420954.770
X = 630965.417
DELTA = 25°13'45" RT
D = 9°14'29"
T = 138.75'
L = 273.01'
R = 620.00'
PC STA = 164+41.81
PT STA = 167+14.82

PI STA = 156+35.20
Y = 420324.417
X = 631641.122
DELTA = 11°11'17" LT
D = 3°23'25"
T = 165.53'
L = 330.01'
R = 1690.00'
PC STA = 154+69.67
PT STA = 157+99.68

PI STA = 178+97.18
Y = 422266.289
X = 630954.078
DELTA = 14°42'45" RT
D = 19°05'55"
T = 38.73'
L = 77.03'
R = 300.00'
PC STA = 178+58.45
PT STA = 179+35.48

PI STA = 170+61.92
Y = 421436.778
X = 630904.411
DELTA = 11°51'36" RT
D = 5°30'33"
T = 108.02'
L = 215.28'
R = 1040.00'
PC STA = 169+53.89
PT STA = 171+69.17

PI STA = 158+42.50
Y = 420438.704
X = 631449.715
DELTA = 12°31'48" RT
D = 14°41'28"
T = 42.82'
L = 85.29'
R = 390.00'
PC STA = 157+99.68
PT STA = 158+84.97

DETAIL B
(NOT TO SCALE)

LOCATION SKETCH
NOT TO SCALE

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
9	PAUL GRAHOVAC	PLE / TLE	-	-	-	59	6061
16	SCOTT DONALD & JAMIE LYNN BRAATEN	TLE	-	-	-	-	478
17	MICHAEL H. & LOUISE HEIM	PLE / TLE	-	-	-	279	4304
23	RICKY W. & JANICE DUNN HELM	TLE	-	-	-	-	441
24	D & J PROPERTY HOLDING, LLC	TLE	-	-	-	-	4205
26	BARBARA J. DUGAN	PLE / TLE	-	-	-	96	4009

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR SAWYER COUNTY

SIGNATURE: DATE: 1-8-26
PRINT NAME: JOHN PINNOW

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
APPRAISAL PLAT DATE : 1-8-26
PLOT DATE : 1/8/2026 11:37 AM
PLOT BY : SEH
PLOT NAME :
8773-00-02

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.04

THAT PART LOT 1, CSM 8712, V. 38, P. 145, DOC. 445292, PART OF LOTS 3 AND 4, CSM 6978, V. 26, P. 327-329, DOC. 329073, LOCATED IN AND INCLUDING PART OF GOV. LOT 3, PART OF OUTLOT 1 AND LOT 1, CSM 7044, V. 27, P. 113-115, DOC. 331871, PART OF LOT 3, CSM 6978, V. 26, P. 327-329, DOC. 329073, PART OF LOTS 1 AND 2, CSM 7451, V. 29, P. 255-257, DOC. 348261, LOCATED IN PART OF THE NE 1/4 OF THE SW 1/4, ALL IN SECTION 1, TOWNSHIP 40 NORTH, RANGE 9 WEST, TOWN OF BASS LAKE, SAWYER COUNTY, WISCONSIN.

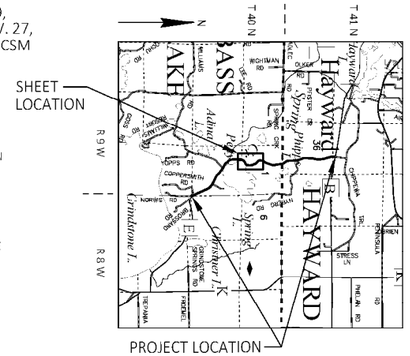
RELOCATION ORDER CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, SAWYER COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF SAWYER, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN SAWYER COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 458662.

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

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

ALL TLE'S ARE FOR SLOPE GRADING PURPOSES, UNLESS OTHERWISE NOTED.

ALL PLE'S ARE FOR DRAINAGE PURPOSES, UNLESS OTHERWISE NOTED.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	CSM 7276, V. 28, P. 229, DOC. 340412	2006
CTH E	CSM 6978, V. 26, P. 327-329, DOC. 329073	2005
CTH E	CSM 7451, V. 29, P. 255-257, DOC. 348261	2007
CTH E	CSM 7044, V. 27, P. 113-115, DOC. 331871	2005
CTH E	CSM 8712, V. 38, P. 145, DOC. 445292	2023

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
29	BARBARA J. KRZAK	PLE / TLE	-	-	-	69	15092
32	DAVID ALLEN JONES & MARY L. ZUPANC TRUST	TLE	-	-	-	-	8861
33	NANCY J. KELL REVOCABLE LIVING TRUST	PLE	-	-	-	394	-
34	BAUERS TRUST	TLE	-	-	-	-	7664
36	DAVID JONES & DAI BERRES-GREEN	PLE / TLE	-	-	-	544	7317
37	ROBERT G. MAKI	TLE	-	-	-	-	2554

458680
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 02:00 PM
RECORDING FEE 25.00

PAGES: 1

The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.04

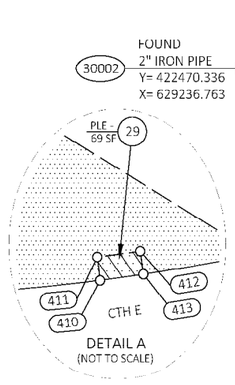
SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
30002-177	S 88° 46' 15" E	1788.05'
30002-20006	N 01° 17' 45" W	2503.67'

PLE STATION & OFFSET TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
410	190+63.00	28.96' LT	422	202+05.00	48.00' RT
411	190+63.00	35.00' LT	423	202+05.00	28.50' RT
412	190+75.00	35.00' LT	450	190+81.50	36.96' RT
413	190+75.00	29.00' LT	451	190+81.50	52.00' RT
420	202+32.50	25.89' RT	452	190+56.50	52.00' RT
421	202+32.50	48.00' RT	453	190+56.50	37.04' RT

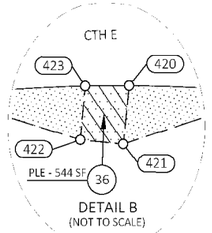
20006
FOUND
3" ALUMINUM
MONUMENT
Y= 424973.361
X= 629180.145

SCALE, FEET
0 100 200

FOUND
2" IRON PIPE
Y= 422470.336
X= 629236.763
30002



DETAIL A
(NOT TO SCALE)



DETAIL B
(NOT TO SCALE)

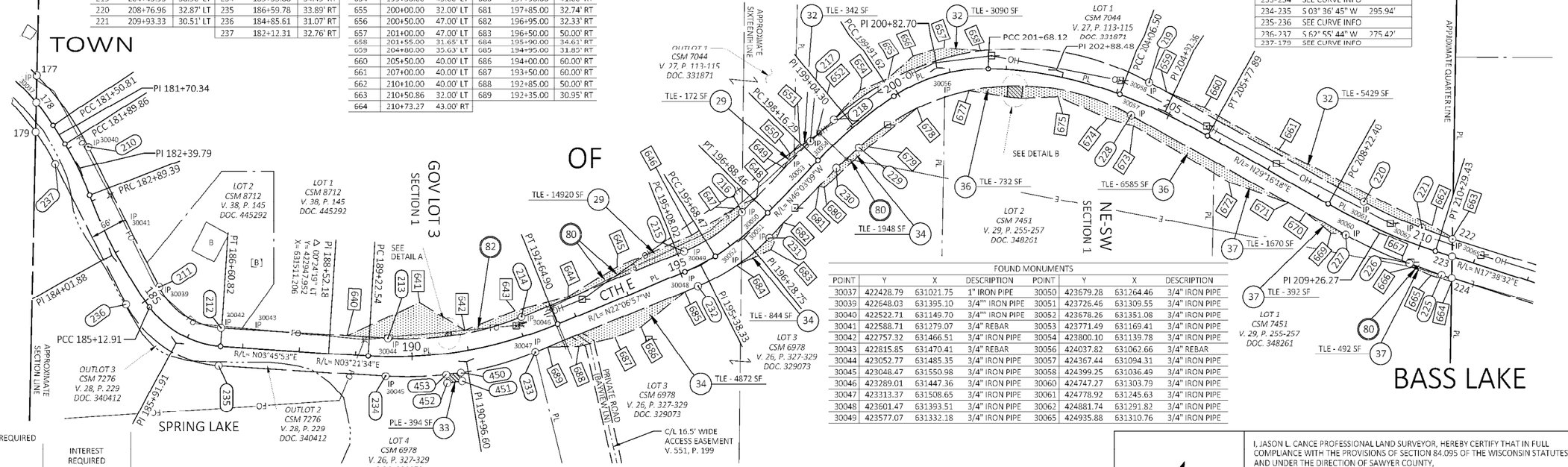
RIGHT-OF-WAY STATION & OFFSET TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
177	180+68.22	32.91' LT	222	210+51.67	29.34' LT
178	181+01.03	0.00'	223	210+60.42	0.00'
179	181+43.14	32.22' RT	224	210+71.34	36.55' RT
210	182+14.62	33.20' LT	225	210+52.76	36.73' RT
211	184+94.32	34.35' LT	226	209+93.60	35.49' RT
212	186+59.07	32.11' LT	227	208+74.02	33.06' RT
213	189+56.99	31.43' LT	228	204+38.69	26.70' RT
214	192+07.78	33.77' LT	229	198+85.78	33.69' RT
215	195+21.47	33.77' LT	230	198+29.49	32.83' RT
216	196+55.52	32.82' LT	231	196+61.08	32.97' RT
217	198+30.80	33.18' LT	232	195+18.74	32.18' RT
218	198+84.58	32.30' LT	233	192+12.11	32.09' RT
219	204+45.93	38.90' LT	234	189+53.88	34.49' RT
220	208+76.96	32.87' LT	235	186+59.78	33.89' RT
221	209+93.33	30.51' LT	236	184+85.61	31.07' RT
			237	182+12.31	32.76' RT

TLE STATION & OFFSET TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
640	188+83.00	32.49' LT	665	210+35.00	43.00' RT
641	190+20.00	93.00' LT	666	210+00.00	40.00' RT
642	191+00.00	35.00' LT	667	209+80.00	35.51' RT
643	192+00.00	48.00' LT	669	208+50.00	42.00' RT
644	193+00.00	38.00' LT	670	207+95.00	32.31' RT
645	194+00.00	53.00' LT	671	207+60.00	32.57' RT
646	195+50.00	53.00' LT	672	206+50.00	52.00' RT
647	196+50.00	46.00' LT	673	204+50.00	42.00' RT
648	196+95.00	33.67' LT	674	204+00.00	47.00' RT
649	197+65.00	33.35' LT	675	203+00.00	35.00' RT
650	197+90.00	43.00' LT	677	201+30.00	37.32' RT
651	198+15.00	43.00' LT	678	200+18.00	39.21' RT
652	198+45.00	32.59' LT	679	199+00.00	44.00' RT
654	199+50.00	43.00' LT	680	197+90.00	41.00' RT
655	200+00.00	32.00' LT	681	197+85.00	32.74' RT
656	200+50.00	47.00' LT	682	196+95.00	32.33' RT
657	201+00.00	47.00' LT	683	196+50.00	50.00' RT
658	201+55.00	31.65' LT	684	195+90.00	34.61' RT
659	204+00.00	35.03' LT	685	194+95.00	31.85' RT
660	205+50.00	40.00' LT	686	194+00.00	60.00' RT
661	207+00.00	40.00' LT	687	193+50.00	60.00' RT
662	210+10.00	40.00' LT	688	192+85.00	50.00' RT
663	210+50.86	32.00' LT	689	192+35.00	30.95' RT
664	210+73.27	43.00' RT			

SECTION LINE

CURVE 177-210	CURVE 213-214	CURVE 218-219	CURVE 226-227	CURVE 231-232	CURVE 235-236
L= 155.80'	L= 241.10'	L= 599.12'	L= 123.69'	L= 153.61'	L= 204.65'
LCH= 155.18'	LCH= 239.13'	LCH= 561.44'	LCH= 123.55'	LCH= 152.46'	LCH= 195.66'
LCB= N53°57'42"E	LCB= N09°05'11"W	LCB= N06°41'15"W	LCB= S24°08'24"W	LCB= S33°56'18"E	LCB= S33°13'18"W
R= 502.92'	R= 543.90'	R= 483.00'	R= 752.74'	R= 362.09'	R= 198.00'
CURVE 211-212	**CURVE 215-216**	**CURVE 220-221**	**CURVE 228-229**	**CURVE 233-234**	**CURVE 237-179**
L= 136.43'	L= 124.07'	L= 112.84'	L= 517.25'	L= 270.36'	L= 66.33'
LCH= 130.44'	LCH= 123.16'	LCH= 112.72'	LCH= 484.72'	LCH= 268.15'	LCH= 66.27'
LCB= N33°13'17"E	LCB= N33°47'21"W	LCB= N24°08'24"E	LCB= S06°41'15"E	LCB= S09°05'11"E	LCB= S58°28'24"W
R= 132.00'	R= 296.09'	R= 686.74'	R= 417.00'	R= 609.90'	R= 436.92'
CURVE 213-410	**CURVE 413-410**	**CURVE 228-420**	**CURVE 423-420**	**CURVE 233-450**	**CURVE 453-450**
L= 101.96'	L= 11.55'	L= 200.15'	L= 26.57'	L= 136.68'	L= 26.20'
LCH= 101.81'	LCH= 11.55'	LCH= 198.24'	LCH= 26.57'	LCH= 136.39'	LCH= 26.20'
LCB= N01°45'27"W	LCB= S07°44'09"E	LCB= S15°05'49"W	LCB= N00°28'45"W	LCB= S15°21'55"E	LCB= N07°42'52"W
R= 543.90'	R= 543.90'	R= 417.00'	R= 417.00'	R= 609.90'	R= 609.90'

RIGHT-OF-WAY COURSE TABLE					
COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
179-178	N 88° 46' 15" W	51.64'	220-221	SEE CURVE INFO	
178-177	N 88° 46' 15" W	47.41'	221-222	N 19° 25' 58" E	57.28'
177-210	SEE CURVE INFO		222-223	S 88° 58' 01" E	30.61'
210-211	N 62° 55' 44" E	275.31'	223-224	S 88° 59' 31" E	38.15'
211-212	SEE CURVE INFO		224-225	S 17° 05' 46" W	18.58'
212-213	N 03° 36' 45" E	295.94'	225-226	S 19° 25' 58" W	60.44'
213-214	SEE CURVE INFO		226-227	SEE CURVE INFO	
214-215	N 21° 47' 08" W	309.80'	227-228	S 28° 50' 50" W	433.43'
215-216	SEE CURVE INFO		228-229	SEE CURVE INFO	
216-217	N 45° 47' 34" W	173.69'	229-230	S 42° 13' 21" E	53.97'
217-218	N 42° 13' 21" W	55.95'	230-231	S 45° 47' 34" E	169.67'
218-219	SEE CURVE INFO		231-232	SEE CURVE INFO	
219-220	N 28° 50' 50" E	433.43'	232-233	S 21° 47' 08" E	309.80'
			233-234	SEE CURVE INFO	
			234-235	S 03° 36' 45" W	295.94'
			235-236	SEE CURVE INFO	
			236-237	S 62° 55' 44" W	275.42'
			237-179	SEE CURVE INFO	



PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
410-411	S 82° 54' 28" W	6.04'
411-412	N 07° 32' 19" W	11.45'
412-413	N 82° 00' 54" E	6.00'
413-410	S 07° 44' 09" E	11.55'
420-421	S 83° 30' 34" E	22.11'
421-422	S 05° 21' 53" W	25.61'
422-423	N 85° 45' 38" W	19.41'
423-420	SEE CURVE INFO	
450-451	N 81° 31' 53" E	15.04'
451-452	S 07° 32' 19" E	26.69'
452-453	S 83° 23' 30" W	14.96'
453-450	SEE CURVE INFO	

FOUND MONUMENTS						
POINT	Y	X	DESCRIPTION	POINT	Y	X	DESCRIPTION
30037	422428.79	631021.75	1" IRON PIPE	30050	423679.28	631264.46	3/4" IRON PIPE
30039	422648.03	631395.10	3/4"ᴵᴵ IRON PIPE	30051	423726.46	631309.55	3/4" IRON PIPE
30040	422522.71	631149.70	3/4"ᴵᴵ IRON PIPE	30052	423678.26	631351.08	3/4" IRON PIPE
30041	422588.71	631279.07	3/4" REBAR	30053	423771.49	631169.41	3/4" IRON PIPE
30042	422757.32	631466.51	3/4" IRON PIPE	30054	423800.10	631139.78	3/4" IRON PIPE
30043	422815.85	631470.41	3/4" REBAR	30056	424037.82	631062.66	3/4" REBAR
30044	423052.77	631485.35	3/4" IRON PIPE	30057	424367.44	631094.31	3/4" IRON PIPE
30045	423048.47	631550.98	3/4" IRON PIPE	30058	424399.25	631036.49	3/4" IRON PIPE
30046	423289.01	631447.36	3/4" IRON PIPE	30060	424747.27	631303.79	3/4" IRON PIPE
30047	423313.37	631508.65	3/4" IRON PIPE	30061	424778.92	631245.63	3/4" IRON PIPE
30048	423601.47	631393.51	3/4" IRON PIPE	30062	424881.74	631291.82	3/4" IRON PIPE
30049	423577.07	631332.18	3/4" IRON PIPE	30065	424935.88	631310.76	3/4" IRON PIPE

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	JUMP RIVER ELECTRIC COOPERATIVE, INC.	RELEASE OF RIGHTS
82	LUMEN COMMUNICATIONS	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	29, 33	DOC. 350048	JUMP RIVER ELECTRIC COOPERATIVE, INC.
	29	DOC. 444258	
	34	DOC. 362317	
		DOC. 443831	
	37	NO RECORD OF EASEMENT	
82	29	NO RECORD OF EASEMENT	LUMEN COMMUNICATIONS

PI STA = 184+01.88	PI STA = 185+91.91	PI STA = 190+96.60	PI STA = 195+38.33	PI STA = 196+28.75	PI STA = 199+04.30	PI STA = 200+82.70	PI STA = 202+88.48	PI STA = 204+92.36	PI STA = 209+26.27
Y = 422564.570	Y = 422678.167	Y = 423191.948	Y = 423606.504	Y = 423683.073	Y = 423874.704	Y = 424023.784	Y = 424235.169	Y = 424428.027	Y = 424806.811
X = 631339.295	X = 631493.454	X = 631525.529	X = 631357.062	X = 631308.651	X = 631109.848	X = 631010.612	X = 631015.116	X = 631088.116	X = 631300.434
DELTA = 16°00'30" LT	DELTA = 49°50'56" LT	DELTA = 25°28'31" LT	DELTA = 10°11'14" LT	DELTA = 13°44'58" LT	DELTA = 12°24'09" RT	DELTA = 34°52'15" RT	DELTA = 19°30'42" RT	DELTA = 8°32'21" RT	DELTA = 11°37'46" LT
D = 7°09'43"	D = 33°42'12"	D = 7°26'28"	D = 16°51'06"	D = 11°27'33"	D = 7°04'25"	D = 19°45'26"	D = 8°11'06"	D = 4°58'56"	D = 5°37'02"
T = 112.49'	T = 79.00'	T = 174.05'	T = 30.31'	T = 60.28'	T = 88.01'	T = 91.08'	T = 120.36'	T = 85.86'	T = 103.87'
L = 223.52'	L = 147.91'	L = 342.36'	L = 60.45'	L = 119.99'	L = 175.34'	L = 176.50'	L = 238.38'	L = 171.39'	L = 207.03'
R = 800.00'	R = 170.00'	R = 770.00'	R = 340.00'	R = 500.00'	R = 810.00'	R = 290.00'	R = 700.00'	R = 1150.00'	R = 1020.00'
PC STA = 182+89.39	PC STA = 185+12.91	PC STA = 189+22.54	PC STA = 195+08.02	PC STA = 195+68.47	PC STA = 198+16.29	PC STA = 199+91.62	PC STA = 201+68.12	PC STA = 204+06.50	PC STA = 208+22.40
PT STA = 185+12.91	PT STA = 186+60.82	PT STA = 192+64.90	PT STA = 195+68.47	PT STA = 196+88.46	PT STA = 199+91.62	PT STA = 201+68.12	PT STA = 204+06.50	PT STA = 205+77.89	PT STA = 210+29.43

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY,
I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: [signature] DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR SAWYER COUNTY

SIGNATURE: [signature] DATE: 1-8-26
PRINT NAME: JOHN PINNOW

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
PLOT DATE : 1/8/2026 11:40 AM
PLOT BY : SEH
PLOT NAME :
8773-00-02
APPRAISAL PLAT DATE : 1-8-26

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.05

THAT PART OF LOT 1, CSM 5164, V. 16, P. 303-304, DOC. 246339, PART OF OUTLOT 1, CSM 6219, V. 22, P. 216-217, DOC. 289340, PART OF LOT 1, CSM 1041, V. 5, P. 274-275, DOC. 163632, LOCATED IN AND INCLUDING PART OF THE FRACTIONAL NE 1/4 OF THE NW 1/4, SECTION 1, TOWNSHIP 40 NORTH, RANGE 9 WEST, TOWN OF BASS LAKE, AND THAT PART OF THE SE 1/4 OF THE SE 1/4, SECTION 36, TOWNSHIP 41 NORTH, RANGE 9 WEST, TOWN OF HAYWARD, ALL IN SAWYER COUNTY, WISCONSIN.

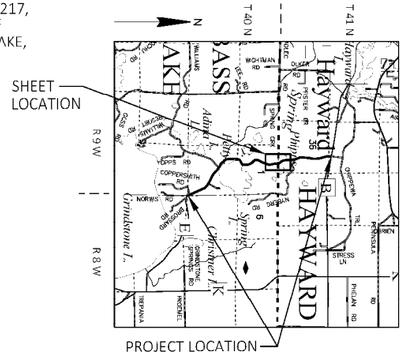
RELOCATION ORDER CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, SAWYER COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF SAWYER, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN SAWYER COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 458662.

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

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

ALL TLE'S ARE FOR SLOPE GRADING PURPOSES, UNLESS OTHERWISE NOTED.

ALL PLE'S ARE FOR DRAINAGE PURPOSES, UNLESS OTHERWISE NOTED.

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
38	STEVEN D. & JEAN M. MENZNER	PLE / TLE	-	-	-	44	5105
39	JOEL P. CLAPERO	TLE	-	-	-	-	3546
41	ANDERSON TRUST	TLE	-	-	-	-	4672
42	WILLIAM B. & KATHLEEN M. HARWELL REV. TRUST	TLE	-	-	-	-	1391
43	DONALD L. & VICKI M. MEYERS	PLE / TLE	-	-	-	383	11285
44	MARTIN P. MCGRAW REV. TRUST	TLE	-	-	-	-	3202

458681
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 02:00 PM
RECORDING FEE 25.00

PAGES: 1

The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.05

FOUND
3" ALUMINUM
MONUMENT 20006
Y= 424973.361
X= 629180.145

FOUND
2-1/2" BRASS CAP 20005
Y= 426444.142
X= 629143.131

FOUND
2-1/2" BRASS CAP 20004
Y= 426435.666
X= 629638.725

FOUND
2" BRASS CAP 20001
Y= 431698.614
X= 629764.146

SCALE, FEET
0 100 200

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	CSM 5164, V. 16, P. 303-304, DOC. 246339	1995
CTH E	CSM 6219, V. 22, P. 216-217, DOC. 289340	2001
CTH E	CSM 1041, V. 5, P. 274-275, DOC. 163632	1978

FOUND MONUMENTS			
POINT	Y	X	DESCRIPTION
30065	424935.88	631310.76	3/4" IRON PIPE
30066	425385.94	631449.29	1" IRON PIPE
30067	425654.30	631451.22	1" IRON PIPE
30068	425793.62	631410.60	1" IRON PIPE
30069	425882.09	631390.36	1" IRON PIPE
30070	427733.30	630985.91	5/8" SQUARE ROD

QUARTER LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
20004- 20001	N 01° 21' 55" E	5264.44'
SECTION LINE - COURSE TABLE		
20006- 20005	N 01° 26' 30" W	1471.25'
20005- 20004	S 89° 01' 13" E	495.67'
20004-273	S 89° 10' 58" E	1696.55'
273- 274	S 89° 10' 58" E	32.79'
274- 275	S 89° 10' 58" E	34.03'
275- 30000	S 89° 10' 58" E	669.50'
30000- 20004	N 89° 10' 58" W	2432.87'

SECTION LINE

QUARTER LINE

APPROXIMATE QUARTER LINE

APPROXIMATE SIXTEENTH LINE

APPROXIMATE QUARTER LINE

SECTION LINE

TOWN OF BASS LAKE

TOWN OF HAYWARD

TOWN

LOT 1
CSM 7044
V. 27, P. 113-115
DOC. 331871

LOT 1
CSM 5164
V. 16, P. 303-304
DOC. 246339

OUTLOT 1
CSM 6219
V. 22, P. 216-217
DOC. 289340

LOT 1
CSM 1041
V. 5, P. 274-275
DOC. 163632

LOT 1
CSM 7451
V. 29, P. 255-257
DOC. 348261

OF

SW-SE
SECTION 36

SE-SE
SECTION 36

NE-SW
SECTION 1

NE-NW
SECTION 1

FRAC

BASS LAKE

HAYWARD

CTH E

PI 212+24.45
PI 214+73.88
PC 215+36.26
PI 216+34.10
PI 217+99.30
PC 217+29.19
PC 219+55.91
PI 220+41.74
PT 221+26.80
PC 222+23.66
PT 224+06.52
PI 224+61.06
PC 225+90.96
PT 228+97.96
PI 228+34.49
PI 229+43
PI 233+21.54
PCC 232+55.96
PT 233+86.65
PC 235+45.97
PC 237+83.43
PI 239+63.24
PI 223+15.18
PI 226+82.57

R/L= N17°38'32"E
R/L= N17°40'22"E
R/L= N15°58'56"E
R/L= N16°15'10"W
R/L= N03°01'15"W
R/L= N09°17'39"W
R/L= N07°44'21"W
R/L= N29°38'45"W
R/L= N00°46'52"W
R/L= N01°28'22"W

OH
PL
IP 30066
IP 30067
IP 30068
IP 30069
IP 30070

DETAIL A
(NOT TO SCALE)

SEE DETAIL A

TLE STATION & OFFSET TABLE									
POINT	STATION	OFFSET	POINT	STATION	OFFSET	POINT	STATION	OFFSET	
700	211+00.00	32.00' LT	727	231+00.00	41.00' LT	754	231+45.00	41.00' RT	
701	212+00.00	53.00' LT	728	231+50.00	33.20' LT	755	230+50.00	45.00' RT	
702	213+50.00	34.00' LT	729	231+90.00	33.14' LT	756	230+00.00	50.00' RT	
703	213+80.00	40.00' LT	730	232+50.00	42.00' LT	758	227+65.00	34.82' RT	
704	214+35.00	33.03' LT	731	233+00.00	40.00' LT	759	227+60.00	38.00' RT	
705	215+10.00	32.72' LT	732	233+30.00	32.60' LT	760	227+00.00	41.00' RT	
706	215+50.00	42.00' LT	733	233+95.00	32.48' LT	761	226+50.00	39.00' RT	
707	216+90.00	32.00' LT	734	234+50.00	40.00' LT	762	226+20.00	33.37' RT	
708	219+75.00	34.84' LT	735	236+00.00	35.00' LT	763	225+35.00	33.89' RT	
709	220+05.00	43.00' LT	736	236+50.00	40.00' LT	764	225+00.00	50.00' RT	
710	221+00.00	45.00' LT	737	237+50.00	40.00' LT	765	224+50.00	55.00' RT	
711	221+35.00	35.55' LT	738	237+80.00	32.87' LT	766	224+00.00	33.23' RT	
712	221+70.00	34.62' LT	739	238+15.00	32.45' LT	767	223+00.00	34.66' RT	
713	222+45.00	43.00' LT	740	238+50.00	40.00' LT	768	222+95.00	43.00' RT	
714	223+50.00	43.00' LT	741	239+00.00	34.00' LT	769	222+70.00	43.00' RT	
715	223+95.00	32.85' LT	742	239+82.84	42.37' LT	770	222+60.00	35.58' RT	
716	224+35.00	32.10' LT	743	239+73.29	42.00' RT	771	222+10.00	33.08' RT	
717	225+95.00	48.00' LT	744	239+50.00	42.00' RT	772	220+40.00	33.00' RT	
718	226+50.00	68.00' LT	745	239+10.00	36.01' RT	773	220+25.00	41.09' RT	
719	227+05.00	32.18' LT	746	237+50.00	32.93' RT	774	219+50.00	34.00' RT	
720	227+64.00	31.22' LT	747	237+00.00	36.00' RT	775	219+00.00	35.00' RT	
721	228+00.00	40.00' LT	748	236+50.00	36.00' RT	776	218+75.00	31.18' RT	
722	228+90.00	33.40' LT	749	235+75.00	32.58' RT	777	217+35.00	34.68' RT	
723	229+15.00	33.14' LT	750	234+00.00	33.49' RT	778	217+00.00	56.00' RT	
724	229+50.00	38.00' LT	751	231+90.00	45.00' RT	779	216+50.00	46.00' RT	
725	230+00.00	38.00' LT	752	231+85.00	50.00' RT	780	216+10.00	33.41' RT	
726	230+50.00	34.00' LT	753	231+65.00	50.00' RT	663	210+50.86	32.00' LT	

RIGHT-OF-WAY STATION & OFFSET TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
222	210+51.67	29.34' LT	261	239+77.97	0.00'
223	210+60.42	0.00'	262	239+73.92	36.29' RT
224	210+71.34	36.55' RT	263	238+57.63	34.70' RT
250	215+23.37	32.46' LT	264	233+81.42	33.57' RT
251	218+11.74	33.13' LT	265	229+61.83	33.31' RT
252	219+58.79	34.78' LT	266	228+34.74	33.94' RT
253	221+63.21	34.90' LT	267	225+91.76	33.47' RT
254	222+70.43	29.88' LT	268	222+70.19	36.27' RT
255	225+91.37	32.53' LT	269	221+60.50	31.04' RT
256	228+31.24	31.97' LT	270	219+59.02	31.22' RT
257	229+61.42	32.68' LT	271	218+15.68	32.75' RT
258	233+81.61	32.43' LT	272	215+22.09	33.53' RT
259	238+59.91	31.26' LT	273	225+77.13	33.42' LT
260	239+81.38	29.78' LT	274	225+72.26	0.00'
			275	225+67.19	33.65' RT

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
222-430	N 17° 06' 50" E	240.36'
430-431	N 72° 19' 38" W	4.41'
431-432	N 17° 40' 22" E	10.00'
432-433	S 72° 19' 38" E	4.31'
433-430	S 17° 05' 46" W	10.00'

PLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
430	212+92.00	31.59' LT
431	212+92.00	36.00' LT
432	213+02.00	36.00' LT
433	213+02.00	31.69' LT

PLE COURSE TABLE {CONT}		
COURSE	BEARING	DISTANCE
258-455	N 01° 04' 44" W	153.65'
455-456	S 89° 13' 08" W	14.79'
456-457	N 00° 46' 52" W	26.00'
457-458	N 89° 13' 08" E	14.65'
458-455	S 01° 04' 44" E	26.00'

PLE STATION & OFFSET TABLE (CONT)		
POINT	STATION	OFFSET
455	235+35.00	33.21' LT
456	235+35.00	48.00' LT
457	235+61.00	48.00' LT
458	213+02.00	33.35' LT

CURVE 250-251	CURVE 257-258	CURVE 264-265
L= 272.31'	L= 441.69'	L= 398.05'
LCH= 268.49'	LCH= 433.69'	LCH= 390.84'
LCB= N00°26'17"E	LCB= N20°01'16"W	LCB= S20°01'16"E
R= 468.31'	R= 668.00'	R= 602.00'
CURVE 252-253	CURVE 259-260	CURVE 266-267
L= 212.41'	L= 120.15'	L= 259.70'
LCH= 211.76'	LCH= 120.11'	LCH= 256.58'
LCB= N08°26'28"W	LCB= N03°38'37"W	LCB= S23°33'36"E
R= 782.27'	R= 1342.00'	R= 483.00'
CURVE 255-256	CURVE 262-263	CURVE 269-270
L= 224.21'	L= 117.84'	L= 194.49'
LCH= 221.52'	LCH= 117.80'	LCH= 193.89'
LCB= N23°33'36"W	LCB= S03°28'35"E	LCB= S08°26'28"E
R= 417.00'	R= 1408.00'	R= 716.27'

CURVE 271-272
L= 310.69'
LCH= 306.33'
LCB= S00°26'17"W
R= 534.31'

RIGHT-OF-WAY COURSE TABLE					
COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
273-255	N 08° 09' 23" W	14.21'	275-268	S 08° 09' 23" E	298.92'
255-256	SEE CURVE INFO		268-269	S 00° 39' 45" E	110.79'
256-257	N 38° 57' 48" W	128.59'	269-270	SEE CURVE INFO	
257-258	SEE CURVE INFO		270-271	S 16° 13' 12" E	145.08'
258-259	N 01° 04' 44" W	477.27'	271-272	SEE CURVE INFO	
259-260	SEE CURVE INFO		272-224	S 17° 05' 46" W	451.72'
260-261	S 89° 05' 03" E	29.97'	224-223	N 88° 59' 31" W	38.15'
261-262	S 89° 05' 03" E	36.52'	223-222	N 88° 58' 01" W	30.61'
262-263	SEE CURVE INFO		222-250	N 17° 06' 19" E	470.76'
263-264	S 01° 04' 44" E	477.27'	250-251	SEE CURVE INFO	
264-265	SEE CURVE INFO		251-252	N 16° 13' 12" W	145.08'
265-266	S 38° 57' 48" E	128.59'	252-253	SEE CURVE INFO	
266-267	SEE CURVE INFO		253-254	N 00° 39' 45" W	106.47'
267-275	S 08° 09' 23" E	24.63'	254-273	N 08° 09' 23" W	305.02'

FOUND ALUMINUM
MONUMENT
WITNESS CORNER 30000
Y= 426400.964
X= 632071.345

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	JUMP RIVER ELECTRIC COOPERATIVE, INC.	RELEASE OF RIGHTS
82	LUMEN COMMUNICATIONS	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	38	V. 336, P. 337, DOC. 181638	JUMP RIVER ELECTRIC COOPERATIVE, INC.
	38	DOC. 443827	
	41	V.0687, P. 96, DOC. 279834	
	41	DOC. 444253	
	42	V. 632, P. 463, DOC. 267682	
	42	DOC. 443830	
	43	DOC. 443828	
	44	DOC. 430711	
82	41	NO RECORD OF EASEMENT	LUMEN COMMUNICATIONS

PI STA = 216+34.10	PI STA = 217+99.30	PI STA = 220+41.74	PI STA = 223+15.18	PI STA = 226+82.57	PI STA = 228+34.49	PI STA = 231+05.82	PI STA = 233+21.54	PI STA = 239+63.24
Y = 425483.337	Y = 425649.837	Y = 425882.844	Y = 426156.672	Y = 426520.308	Y = 426651.041	Y = 426860.094	Y = 427076.210	Y = 427718.242
X = 631510.858	X = 631488.828	X = 631420.900	X = 631406.449	X = 631353.030	X = 631270.233	X = 631097.007	X = 631048.436	X = 631035.853
DELTA = 23°31'10" LT	DELTA = 8°42'55" LT	DELTA = 13°13'55" RT	DELTA = 6°16'24" LT	DELTA = 24°36'29" LT	DELTA = 7°17'55" LT	DELTA = 26°58'46" RT	DELTA = 11°53'07" RT	DELTA = 7°32'12" LT
D = 12°11'26"	D = 6°13'40"	D = 7°44'34"	D = 3°25'51"	D = 13°38'31"	D = 5°47'15"	D = 8°48'53"	D = 9°05'40"	D = 2°05'55"
T = 97.84'	T = 70.11'	T = 85.83'	T = 91.52'	T = 91.61'	T = 63.14'	T = 155.93'	T = 65.58'	T = 179.81'
L = 192.93'	L = 139.94'	L = 170.90'	L = 182.85'	L = 180.39'	L = 126.11'	L = 306.07'	L = 130.69'	L = 359.10'
R = 470.00'	R = 920.00'	R = 740.00'	R = 1670.00'	R = 420.00'	R = 990.00'	R = 650.00'	R = 630.00'	R = 2730.00'
PC STA = 215+36.26	PC STA = 217+29.19	PC STA = 219+55.91	PC STA = 222+23.66	PC STA = 225+90.96	PC STA = 227+71.35	PC STA = 229+49.89	PC STA = 232+55.96	PC STA = 237+83.43
PT STA = 217+29.19	PT STA = 218+69.14	PT STA = 221+26.80	PT STA = 224+06.52	PT STA = 227+71.35	PT STA = 228+97.96	PT STA = 232+55.96	PT STA = 233+86.65	PT STA = 241+42.53

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR SAWYER COUNTY

SIGNATURE: John Pinnow DATE: 1-8-26
PRINT NAME: JOHN PINNOW

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
PLOT DATE : 1/8/2026 11:44 AM
PLOT BY : SEH
PLOT NAME :
8773-00-02
APPRAISAL PLAT DATE : 1-8-26

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.06

THAT PART OF LOT 1, CSM 7393, V. 29, P. 128-130, DOC. 345239, LOCATED IN AND INCLUDING PART OF THE NW 1/4 OF THE SE 1/4, PART OF LOTS 1 AND 2, CSM 8502, V. 36, P. 343, DOC. 427772, LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE NE 1/4, PART OF THE NE 1/4 OF THE SE 1/4, ALL IN SECTION 36, TOWNSHIP 41 NORTH, RANGE 9 WEST, TOWN OF HAYWARD, SAWYER COUNTY, WISCONSIN.

RELOCATION ORDER CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, SAWYER COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE COUNTY OF SAWYER, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	JUMP RIVER ELECTRIC COOPERATIVE, INC.	RELEASE OF RIGHTS
82	LUMEN COMMUNICATIONS	RELEASE OF RIGHTS
83	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS
84	GTE NORTH	RELEASE OF RIGHTS

PLE STATION & OFFSET TABLE

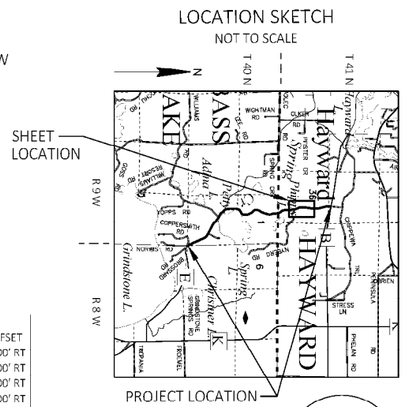
POINT	STATION	OFFSET	POINT	STATION	OFFSET
446	242+15.00	31.90' RT	441	243+97.00	56.00' RT
447	242+15.00	36.00' RT	442	243+87.45	56.00' RT
448	242+05.00	36.00' RT	443	243+23.69	41.00' RT
449	242+05.00	31.89' RT	444	243+07.00	38.00' RT
440	244+02.00	33.97' RT	445	243+07.00	32.78' RT

PLE COURSE TABLE

COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
313-446	S 09° 36' 38" E	110.69'	313-443	N 89° 19' 35" E	8.01'	311-440	SEE CURVE INFO	
446-447	N 80° 17' 25" E	4.10'	443-444	S 00° 33' 14" E	17.06'	440-441	S 88° 36' 37" E	22.60'
447-448	S 09° 39' 41" E	10.06'	444-445	S 79° 24' 05" W	5.22'	441-442	S 11° 25' 19" E	9.64'
448-449	S 80° 23' 13" W	4.11'	445-313	N 09° 36' 38" W	18.19'	442-312	S 88° 08' 31" W	10.95'
449-446	N 09° 36' 38" W	10.05'				312-440	SEE CURVE INFO	

COURSE	BEARING	DISTANCE
290-460	N 09° 36' 38" W	133.81'
460-461	S 80° 27' 51" W	13.89'
461-462	N 09° 39' 41" W	25.79'
462-463	N 80° 12' 47" E	13.92'
463-460	S 09° 36' 38" E	25.85'
298-465	SEE CURVE INFO	
465-466	N 82° 44' 11" W	15.05'
466-467	N 05° 37' 00" E	26.92'
467-468	S 84° 01' 49" E	15.11'
468-465	SEE CURVE INFO	

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN SAWYER COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 458662.

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

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

ALL TLE'S ARE FOR SLOPE GRADING PURPOSES, UNLESS OTHERWISE NOTED.

ALL PLE'S ARE FOR DRAINAGE PURPOSES, UNLESS OTHERWISE NOTED.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	CSM 7393, V. 29, P. 128-130, DOC. 345239	2007
CTH E	CSM 8502, V. 36, P. 343, DOC. 427772	2020

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
43	DONALD L. & VICKI M. MEYERS	PLE / TLE	-	-	-	379	4427
46	JOHN R. & KELLY J. FROEMEL	PLE / TLE	-	-	-	359	11654
47	PINE VIEW FAMILY LIMITED PARTNERSHIP	PLE / TLE	-	-	-	410	4423
49	MARY A. GLODOSKI	TLE	-	-	-	-	8999
51	RYAN C. & CRYSTAL A. HEXUM	TLE	-	-	-	-	7587

458682
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 02:00 PM
RECORDING FEE 25.00

PAGES: 1

****The above recording information verifies that this document has been electronically recorded and returned to the submitter.****

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.06

SCALE, FEET
0 100 200

FOUND MONUMENTS

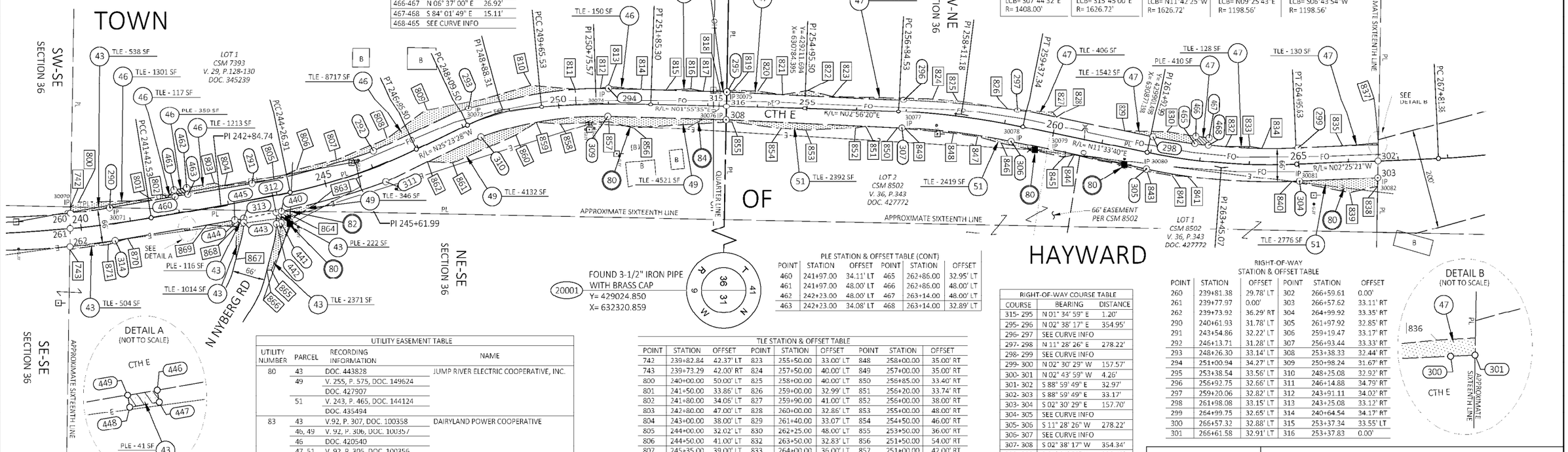
POINT	Y	X	DESCRIPTION
30070	427733.30	630985.91	5/8" SQUARE ROD
30071	427813.32	630987.40	5/8" SQUARE ROD
30073	428534.70	630784.89	5/8" SQUARE ROD
30074	428816.67	630738.82	5/8" SQUARE ROD
30075	429054.71	630746.10	5/8" SQUARE ROD
30076	429053.52	630811.54	5/8" SQUARE ROD
30077	429407.42	630827.54	5/8" SQUARE ROD
30078	429627.09	630855.04	5/8" SQUARE ROD
30079	429700.78	630869.96	5/8" SQUARE ROD
30080	429899.76	630910.29	5/8" SQUARE ROD
30081	430208.26	630934.40	5/8" SQUARE ROD
30082	430365.68	630927.61	5/8" SQUARE ROD

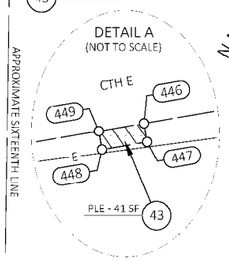
CURVE 260-290 L= 79.68' LCH= 79.67' LCB= N07°54'34"W R= 1342.00'	CURVE 296-297 L= 231.79' LCH= 231.56' LCB= N07°03'21"E R= 1503.11'	CURVE 306-307 L= 221.62' LCH= 221.40' LCB= S07°03'21"W R= 1437.11'
CURVE 291-292 L= 253.10' LCH= 252.82' LCB= N14°50'26"W R= 1560.72'	CURVE 298-299 L= 293.79' LCH= 293.05' LCB= N04°27'07"E R= 1198.56'	CURVE 309-310 L= 260.06' LCH= 258.67' LCB= S09°08'08"E R= 725.76'
CURVE 293-294 L= 287.29' LCH= 285.72' LCB= N09°14'44"W R= 791.76'	CURVE 304-305 L= 309.96' LCH= 309.19' LCB= S04°27'07"W R= 1264.56'	CURVE 311-312 L= 229.57' LCH= 229.38' LCB= S15°33'25"E R= 1626.72'
CURVE 314-262 L= 91.82' LCH= 91.81' LCB= S07°44'32"E R= 1408.00'	CURVE 311-440 L= 218.62' LCH= 218.45' LCB= S15°45'00"E R= 1626.72'	CURVE 312-440 L= 10.95' LCH= 10.95' LCB= N11°42'25"W R= 1626.72'

CURVE 298-465 L= 85.58' LCH= 85.56' LCB= N09°25'43"E R= 1198.56'	CURVE 468-465 L= 27.26' LCH= 27.26' LCB= S06°43'54"W R= 1198.56'

QUARTER LINE - COURSE TABLE

COURSE	BEARING	DISTANCE
20003-315	S 88° 54' 45" E	3663.14'
315-316	S 88° 54' 45" E	33.56'
316-308	S 88° 54' 45" E	32.45'
308-20002	S 88° 54' 45" E	1509.59'
20002-20003	N 88° 54' 45" W	5238.74'





PLE STATION & OFFSET TABLE (CONT)

POINT	STATION	OFFSET	POINT	STATION	OFFSET
460	241+97.00	34.11' LT	465	262+86.00	32.95' LT
461	241+97.00	48.00' LT	466	262+86.00	48.00' LT
462	242+23.00	48.00' LT	467	263+14.00	48.00' LT
463	242+23.00	34.08' LT	468	263+14.00	32.89' LT

RIGHT-OF-WAY COURSE TABLE

COURSE	BEARING	DISTANCE
315- 295	N 01° 34' 59" E	1.20'
295- 296	N 02° 38' 17" E	354.95'
296- 297	SEE CURVE INFO	
297- 298	N 11° 28' 26" E	278.22'
298- 299	SEE CURVE INFO	
299- 300	N 02° 30' 29" W	157.57'
300- 301	N 02° 43' 59" W	4.26'
301- 302	S 88° 59' 49" E	32.97'
302- 303	S 88° 59' 49" E	33.17'
303- 304	S 02° 30' 29" E	157.70'
304- 305	SEE CURVE INFO	
305- 306	S 11° 28' 26" W	278.22'
306- 307	SEE CURVE INFO	
307- 308	S 02° 38' 17" W	354.34'
308- 309	S 01° 34' 59" W	238.42'
309- 310	SEE CURVE INFO	
310- 311	S 25° 01' 12" E	211.48'
311- 312	SEE CURVE INFO	
312- 313	S 10° 18' 54" E	66.41'
313- 314	S 09° 36' 38" E	262.51'
314- 262	SEE CURVE INFO	
262- 261	N 89° 06' 03" W	36.52'
261- 260	N 89° 06' 03" W	29.97'
260- 290	SEE CURVE INFO	
290- 291	N 09° 36' 38" W	290.80'
291- 292	SEE CURVE INFO	
292- 293	N 25° 01' 12" W	211.49'
293- 294	SEE CURVE INFO	
294- 315	N 01° 34' 59" E	238.08'

RIGHT-OF-WAY STATION & OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET
260	239+81.38	29.78' LT	302	266+59.61	0.00'
261	239+77.97	0.00'	303	266+57.62	33.11' RT
262	239+73.92	36.29' RT	304	264+99.92	33.35' RT
290	240+61.93	31.78' LT	305	261+97.92	32.85' RT
291	243+54.86	32.22' LT	306	259+19.47	33.17' RT
292	246+13.71	31.28' LT	307	256+93.44	33.33' RT
293	248+26.30	33.14' LT	308	253+38.33	32.44' RT
294	251+00.94	34.27' LT	309	250+98.24	31.67' RT
295	253+38.54	33.56' LT	310	248+25.08	32.92' RT
296	256+92.75	32.66' LT	311	246+14.88	34.79' RT
297	259+20.06	32.82' LT	312	243+91.11	34.02' RT
298	261+98.08	33.15' LT	313	243+25.08	33.12' RT
299	264+99.75	32.65' LT	314	240+64.54	34.17' RT
300	266+57.32	32.88' LT	315	253+37.34	33.55' LT
301	266+61.58	32.91' LT	316	253+37.83	0.00'

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	43	DOC. 443828	JUMP RIVER ELECTRIC COOPERATIVE, INC.
	49	V. 255, P. 575, DOC. 149624	
		DOC. 427907	
	51	V. 243, P. 465, DOC. 144124	
		DOC. 435494	
83	43	V.92, P. 307, DOC. 100358	DAIRYLAND POWER COOPERATIVE
	46, 49	V. 92, P. 306, DOC. 100357	
	46	DOC. 420540	
	47, 51	V. 92, P. 305, DOC. 100356	
	47	DOC. 420408	
	49	V. 92, P. 305, DOC. 100356	
	51	DOC. 427908	
84	49	V. 453, P. 125, DOC. 218696	GTE NORTH
		V. 29, P. 721, DOC. 287645	

TLE STATION & OFFSET TABLE

POINT	STATION	OFFSET	POINT	STATION	OFFSET	POINT	STATION	OFFSET
742	239+82.84	42.37' LT	823	255+50.00	33.00' LT	848	258+00.00	35.00' RT
743	239+73.29	42.00' RT	824	257+50.00	40.00' LT	849	257+00.00	35.00' RT
800	240+00.00	50.00' LT	825	258+00.00	40.00' LT	850	256+85.00	33.40' RT
801	241+50.00	33.86' LT	826	259+00.00	32.99' LT	851	256+20.00	33.74' RT
802	241+80.00	34.06' LT	827	259+90.00	41.00' LT	852	256+00.00	38.00' RT
803	242+80.00	47.00' LT	828	260+00.00	32.86' LT	853	255+00.00	48.00' RT
804	243+00.00	38.00' LT	829	261+40.00	33.07' LT	854	254+50.00	46.00' RT
805	244+00.00	32.02' LT	830	262+25.00	48.00' LT	855	253+50.00	36.00' RT
806	244+50.00	41.00' LT	832	263+50.00	32.83' LT	856	251+50.00	54.00' RT
807	245+35.00	39.00' LT	833	264+00.00	36.00' LT	857	251+00.00	42.00' RT
808	246+50.00	44.00' LT	834	264+25.00	32.72' LT	858	250+00.00	42.00' RT
809	247+50.00	64.00' LT	835	265+90.00	32.78' LT	859	249+50.00	34.16' RT
810	249+50.00	50.00' LT	836	266+50.00	36.00' LT	860	249+00.00	52.00' RT
811	250+35.00	35.17' LT	837	266+61.76	36.00' LT	861	247+50.00	56.00' RT
812	250+85.00	34.78' LT	838	266+56.61	50.00' RT	862	247+05.00	32.40' RT
813	251+00.00	38.00' LT	839	266+00.00	60.00' RT	863	244+75.00	33.08' RT
814	251+65.00	32.64' LT	840	264+85.00	33.34' RT	864	244+25.00	50.00' RT
815	252+15.00	32.82' LT	841	262+80.00	33.04' RT	865	243+60.00	145.00' RT
816	252+65.00	37.00' LT	842	262+50.00	36.00' RT	866	243+51.31	143.00' RT
817	252+90.00	33.27' LT	843	262+00.00	37.00' RT	867	242+95.14	110.00' RT
818	253+25.00	33.48' LT	844	260+50.00	34.00' RT	868	243+08.00	46.00' RT
819	253+50.00	37.00' LT	845	260+30.00	43.00' RT	869	242+50.00	32.06' RT
820	254+00.00	37.00' LT	846	259+00.00	40.00' RT	870	240+90.00	33.29' RT
821	254+50.00	32.17' LT	847	258+50.00	35.00' RT	871	240+50.00	40.00' RT
822	255+00.00	42.00' LT						

PI STA = 239+63.24 Y = 427718.242 X = 631035.853 DELTA = 7°32'12" LT D = 2°05'55" T = 179.81' L = 359.10' R = 2730.00' PC STA = 237+83.43 PT STA = 241+42.53	PI STA = 245+61.99 Y = 428307.779 X = 630928.920 DELTA = 13°38'02" LT D = 5°04'14" R = 1130.00' PC STA = 244+26.91 PT STA = 246+95.80	PI STA = 248+88.31 Y = 428603.727 X = 630788.450 DELTA = 19°51'59" RT D = 12°43'57" R = 450.00' PC STA = 248+09.50 PT STA = 249+65.53	PI STA = 242+84.74 Y = 428036.296 X = 630985.424 DELTA = 2°44'52" LT D = 0°57'58" R = 5930.00' PC STA = 241+42.53 PT STA = 244+26.91	PI STA = 250+75.57 Y = 428791.696 X = 630770.270 DELTA = 7°27'03" RT D = 3°23'25" R = 1690.00' PC STA = 249+65.53 PT STA = 251+85.30	PI STA = 258+11.18 Y = 429526.960 X = 630800.581 DELTA = 8°37'19" RT D = 3°24'38" R = 1680.00' PC STA = 256+84.53 PT STA = 259+37.34	PI STA = 263+45.07 Y = 430050.485 X = 630907.675 DELTA = 13°59'01" LT D = 4°37'14" R = 1240.00' PC STA = 261+92.99 PT STA = 264+95.63	PI STA = 269+43.89 Y = 430650.279 X = 630882.300 DELTA = 12°26'56" LT D = 3°50'43" T = 162.51' L = 323.74' R = 1490.00' PC STA = 267+81.38 PT STA = 271+05.11
---	---	---	---	---	---	---	---

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR SAWYER COUNTY

SIGNATURE: DATE: 1-8-26
PRINT NAME: JOHN PINNOW

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG
APPRAISAL PLAT DATE : 1-8-26
PLOT DATE : 1/8/2026 1:02 PM
PLOT BY : SEH
PLOT NAME :
8773-00-02

TRANSPORTATION PROJECT PLAT NO: 8773-00-02-4.07

THAT PART OF CSM 979, V. 5, P. 166-167, DOC. 161325, PART OF LOTS 1, 10, 11, 16 AND OUTLOT 1, PLAT OF HIDDEN WOODS OF HAYWARD, LOCATED IN PART OF THE NW 1/4 OF THE NE 1/4, SECTION 36, PART OF LOT 1, CSM 6875, V. 26, P. 116-117, DOC. 325673, LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE SE 1/4, SECTION 25, TOWNSHIP 41 NORTH, RANGE 9 WEST, TOWN OF HAYWARD, SAWYER COUNTY, WISCONSIN.

CTH E STH 70 - CTH B, NORWIS ROAD TO CTH B, SAWYER COUNTY.

THE COUNTY HAS DEEMED IT NECESSARY TO MONUMENT THE RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 83.07 AND 83.08 OF WISCONSIN STATE STATUES AND DOES HEREBY CERTIFY THE COUNTY HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN SAWYER COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 458662.

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

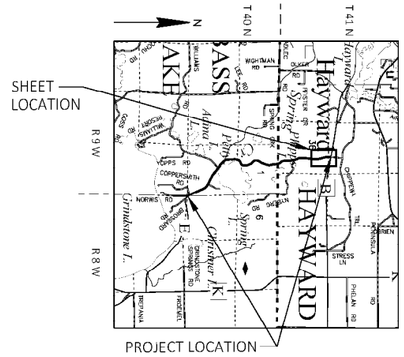
FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE SAWYER COUNTY HIGHWAY DEPARTMENT OFFICE IN HAYWARD.

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

LOCATION SKETCH
NOT TO SCALE



458683
RACHEL THOMPSON
REGISTER OF DEEDS
SAWYER COUNTY, WI
01/08/2026 02:00 PM
RECORDING FEE 25.00

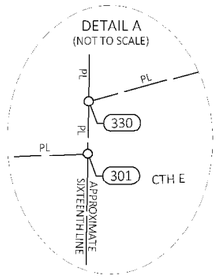
PAGES: 1

The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 8773-00-02-4.07

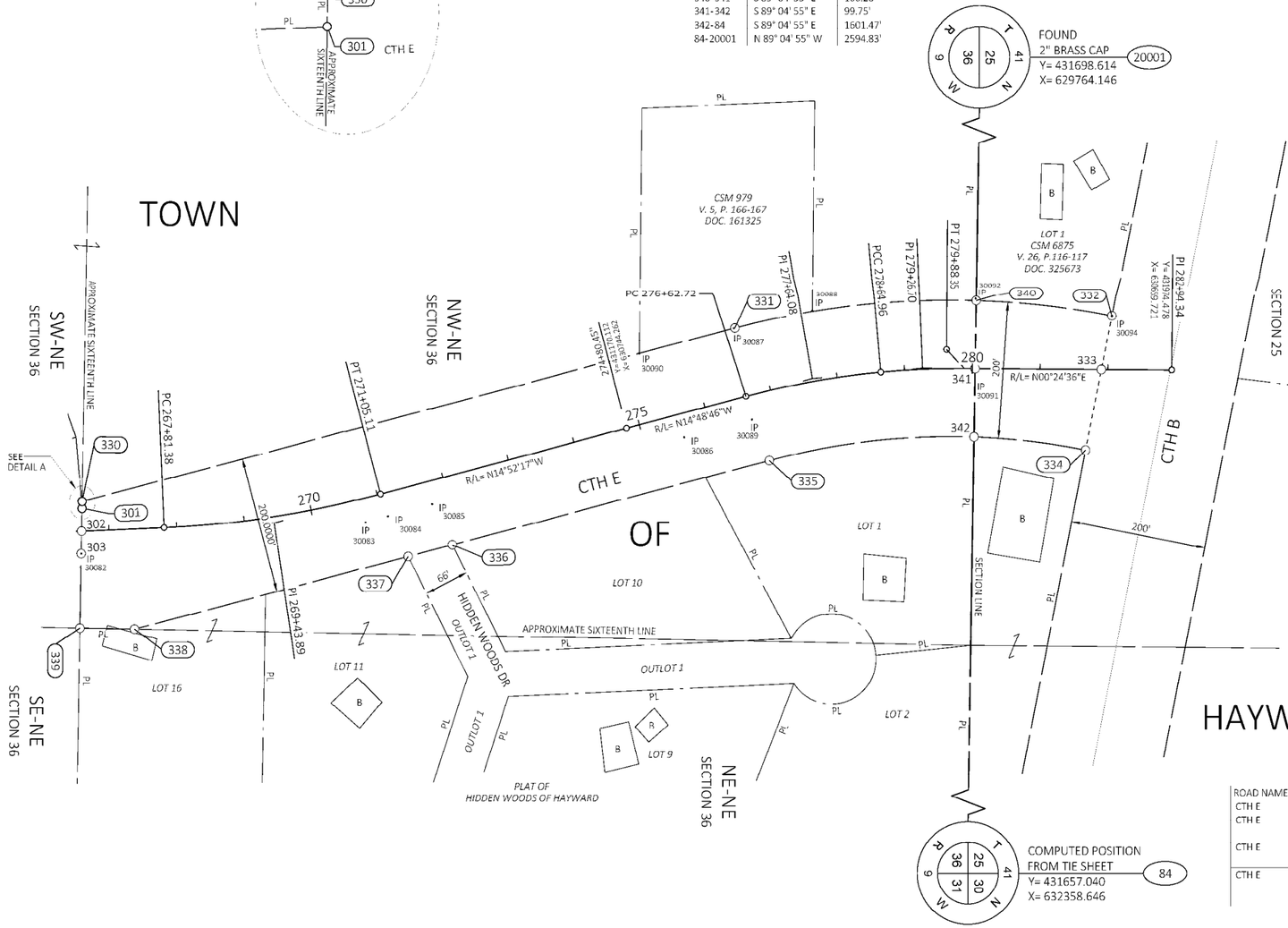
N
SCALE, FEET
0 100 200

DETAIL A
(NOT TO SCALE)



SECTION LINE - COURSE TABLE

COURSE	BEARING	DISTANCE
20001-340	S 89° 04' 55" E	793.33'
340-341	S 89° 04' 55" E	100.28'
341-342	S 89° 04' 55" E	99.75'
342-84	S 89° 04' 55" E	1601.47'
84-20001	N 89° 04' 55" W	2594.83'



PI STA = 269+43.89
Y = 430650.279
X = 630882.300
DELTA = 12°26'56" LT
D = 3°50'43"
T = 162.51'
L = 323.74'
R = 1490.00'
PC STA = 267+81.38
PT STA = 271+05.11

PI STA = 277+64.08
Y = 431444.313
X = 630671.750
DELTA = 9°39'22" RT
D = 4°46'29"
T = 101.36'
L = 202.24'
R = 1200.00'
PC STA = 276+62.72
PT STA = 278+64.96

PI STA = 279+26.70
Y = 431606.753
X = 630657.090
DELTA = 5°34'00" RT
D = 4°30'41"
T = 61.74'
L = 123.39'
R = 1270.00'
PC STA = 278+64.96
PT STA = 279+88.35

CURVE 331-340	CURVE 340-332
L= 359.56'	L= 201.74'
LCH= 358.31'	LCH= 201.52'
LCB= N06°29'07"W	LCB= N06°25'15"E
R= 1245.92'	R= 1245.92'
CURVE 334-342	**CURVE 342-335**
L= 165.85'	L= 304.86'
LCH= 165.68'	LCH= 303.78'
LCB= S06°29'25"W	LCB= S06°24'09"E
R= 1045.92'	R= 1045.92'

RIGHT-OF-WAY COURSE TABLE

COURSE	BEARING	DISTANCE
340-332	SEE CURVE INFO	
332-333	S 78° 48' 10" E	80.60'
333-334	S 78° 48' 10" E	119.40'
334-342	SEE CURVE INFO	
342-335	SEE CURVE INFO	
335-336	S 14° 45' 09" E	483.60'
336-337	S 14° 45' 09" E	67.46'
337-338	S 14° 45' 09" E	417.34'
338-339	S 01° 05' 36" W	80.59'
339-303	N 88° 59' 49" W	108.85'
303-302	N 88° 59' 49" W	33.17'
302-301	N 88° 59' 49" W	32.97'
301-330	N 88° 59' 49" W	9.96'
330-331	N 14° 45' 09" W	995.70'
331-340	SEE CURVE INFO	

FOUND MONUMENTS

POINT	Y	X	DESCRIPTION
30082	430365.68	630927.61	5/8" SQUARE ROD
30083	430785.22	630881.41	5/8" SQUARE ROD
30084	430818.22	630872.82	5/8" SQUARE ROD
30085	430883.39	630855.48	5/8" SQUARE ROD
30086	431255.35	630758.01	5/8" SQUARE ROD
30087	431328.52	630598.10	3/4" IRON PIPE
30088	431444.27	630572.43	1" IRON PIPE
30089	431355.23	630731.83	5/8" SQUARE ROD
30090	431188.85	630635.11	1" IRON PIPE
30091	431683.70	630690.48	5/8" SQUARE ROD
30092	431685.08	630554.46	1" IRON PIPE
30094	431888.22	630579.51	3/4" IRON PIPE

RIGHT-OF-WAY
STATION & OFFSET TABLE

POINT	STATION	OFFSET
330	266+62.17	42.85' LT
331	276+71.61	100.74' LT
332	282+05.45	79.17' LT
333	281+90.36	0.00'
334	281+68.01	117.29' RT
335	276+72.99	99.26' RT
336	271+88.44	98.49' RT
337	271+20.98	98.35' RT
338	267+31.56	146.71' RT
339	266+51.12	141.77' RT
340	280+05.04	100.28' LT
341	280+04.15	0.00'
342	280+03.27	99.74' RT
301	266+61.58	32.91' LT
302	266+59.61	0.00'
303	266+57.62	33.11' RT

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH E	R/W PLAT S 0560 (6)	1961
CTH E	CSM 979, V. 5, P. 166-167, DOC. 161325	1977
CTH E	CSM 6875, V. 26, P. 116-117, DOC. 325673	2004
CTH E	ASSESSOR'S PLAT OF HIDDEN WOODS OF HAYWARD 10	2003

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF SAWYER COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
JASON L. CANCE
S-2688
CHIPPEWA FALLS WI
LAND SURVEYOR

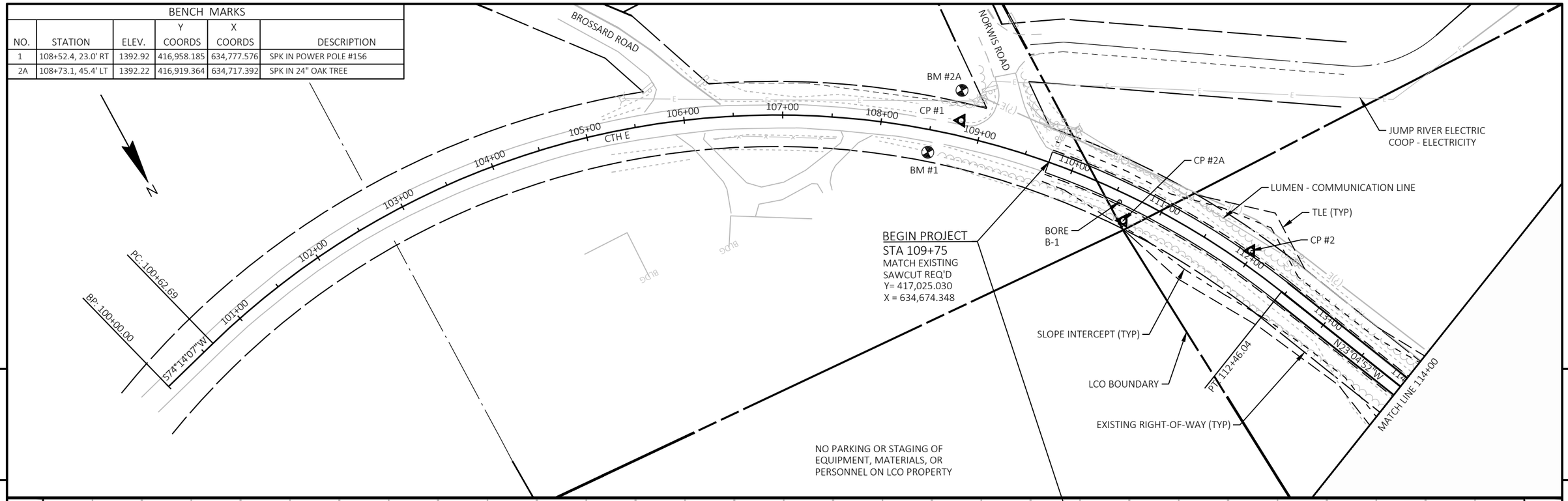
SIGNATURE: DATE: 1-8-26
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT IS APPROVED FOR SAWYER COUNTY.

SIGNATURE: John Pinnow DATE: 1-8-26
PRINT NAME: JOHN PINNOW

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\RW\DWG\040101-RP.DWG PLOT DATE : 1/8/2026 11:50 AM PLOT BY : SEH PLOT NAME : 8773-00-02

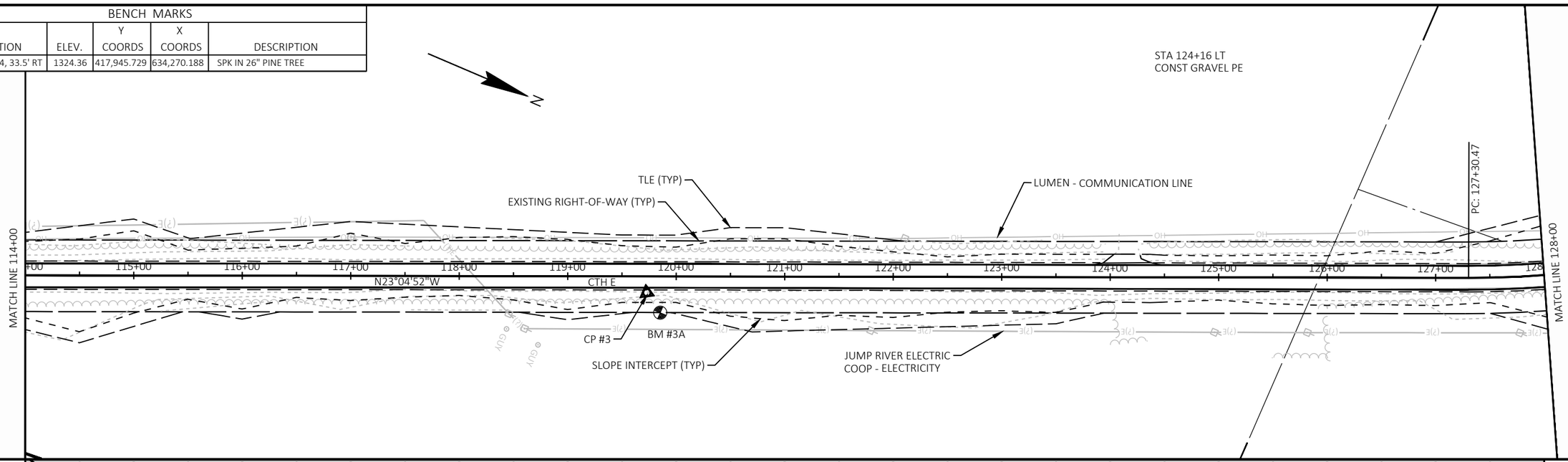
BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
1	108+52.4, 23.0' RT	1392.92	416,958.185	634,777.576	SPK IN POWER POLE #156
2A	108+73.1, 45.4' LT	1392.22	416,919.364	634,717.392	SPK IN 24" OAK TREE

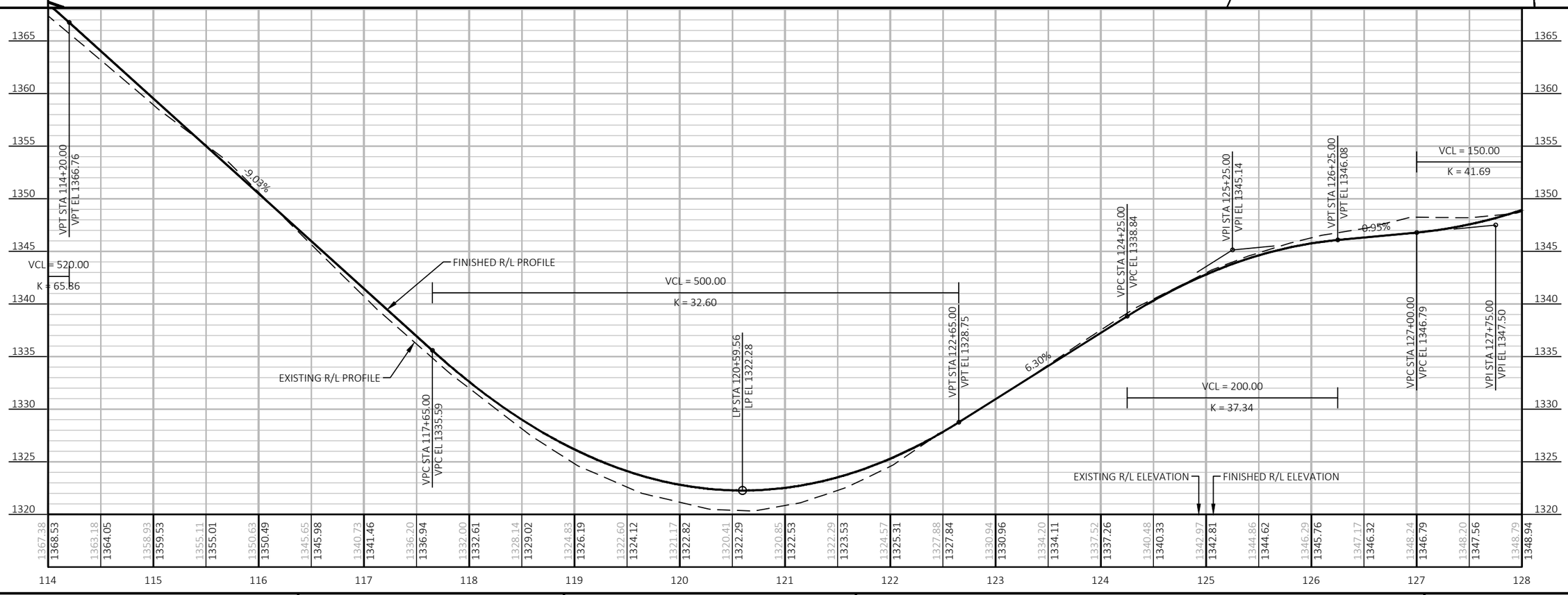


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 54 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 01
PLOT DATE : 9/28/2026 3:15 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:100 FT

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
3A	119+85.4, 33.5' RT	1324.36	417,945.729	634,270.188	SPK IN 26" PINE TREE

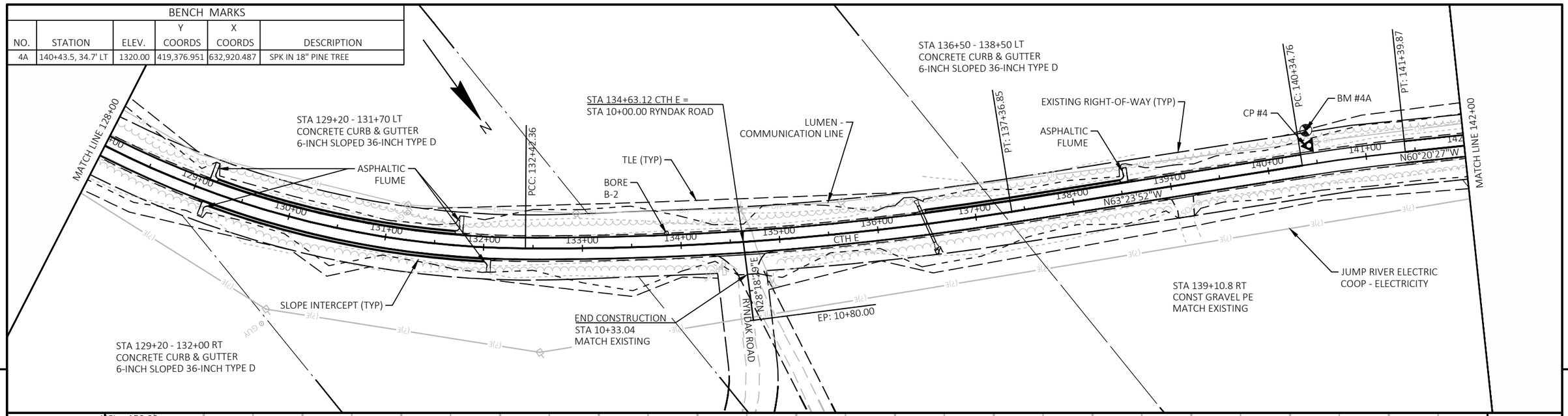


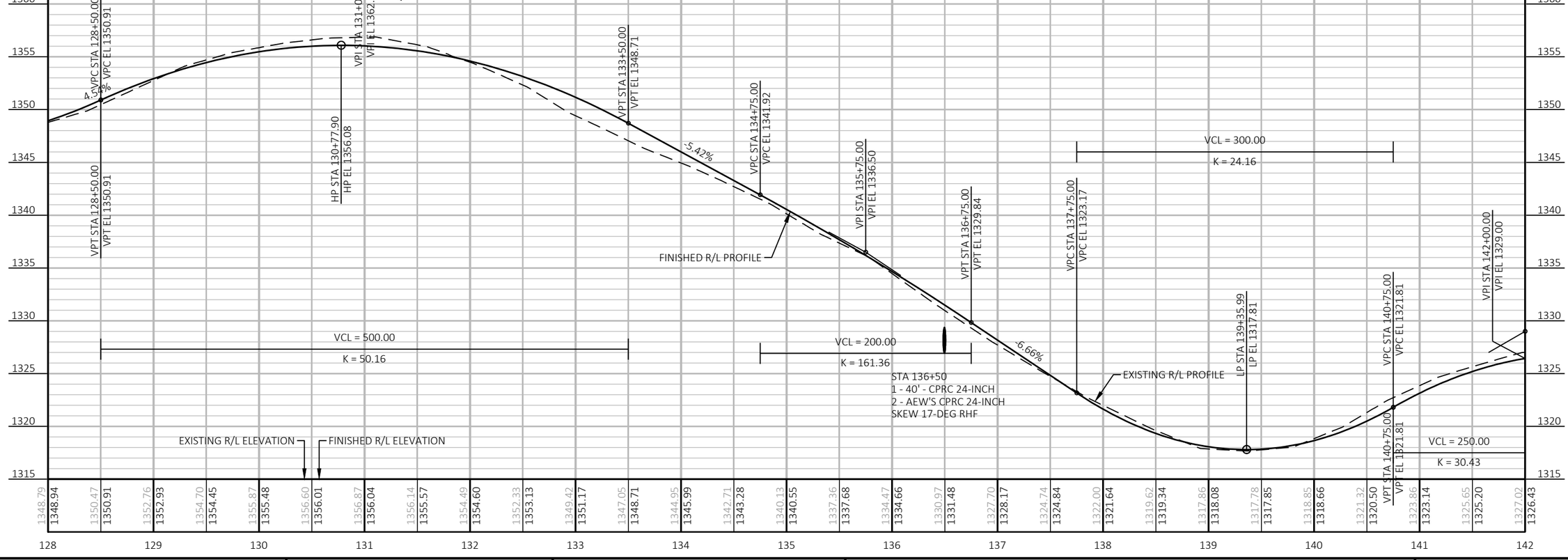


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 55 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 02
PLOT DATE : 9/28/2026 3:15 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

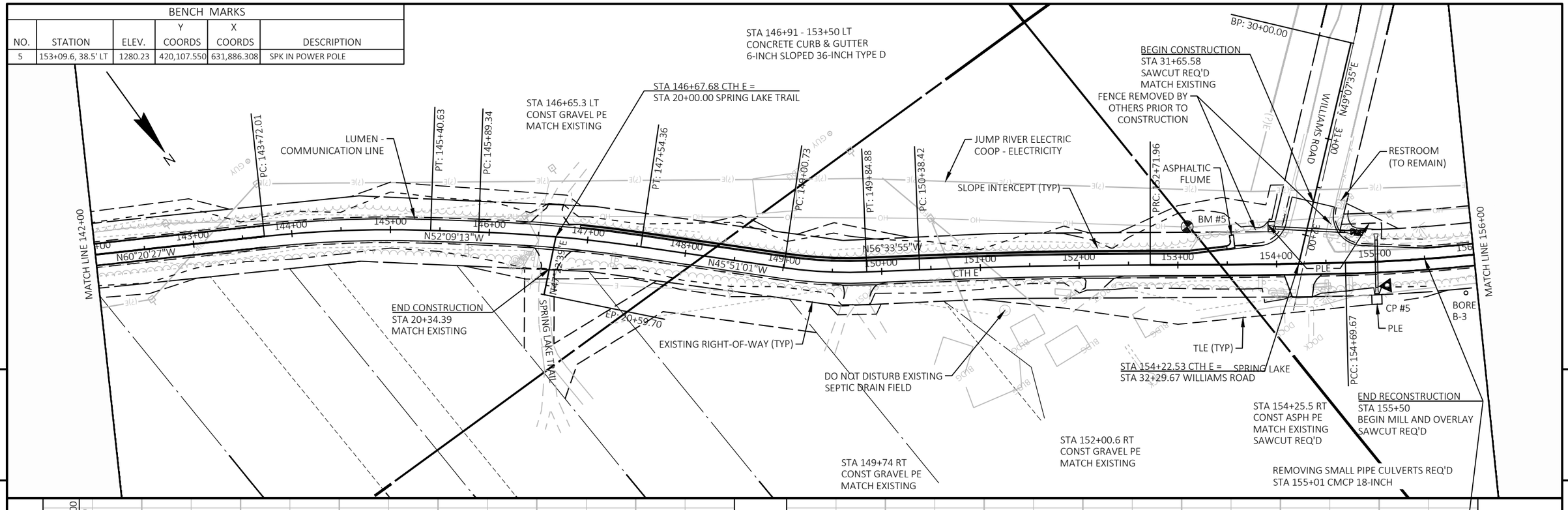
BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
4A	140+43.5, 34.7' LT	1320.00	419,376.951	632,920.487	SPK IN 18" PINE TREE





PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 56	E

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
5	153+09.6, 38.5' LT	1280.23	420,107.550	631,886.308	SPK IN POWER POLE



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 57	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 04
PLOT DATE : 9/28/2026 3:16 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

STA 158+16.3 LT
CONST GRAVEL PE
MATCH EXISTING

JUMP RIVER ELECTRIC
COOP - ELECTRICITY

LUMEN -
COMMUNICATION LINE

TLE (TYP)

REMOVE GUARDRAIL
STA 164+48 - 165+37 LT

EXISTING GUARDRAIL TO REMAIN

STA 169+74.8 LT
CONST ASPH PE
MATCH EXISTING
SAWCUT REQ'D

PRC: 157+99.68
PCC: 158+84.97
PRC: 160+89.51
PT: 161+74.61
PC: 163+39.06
PCC: 164+41.81
PT: 167+14.82
PC: 169+53.89

N50°50'27"W
N7°12'48"W

CTH F

BORE
B-4

CP #6

BM #6

SPRING LAKE

SLOPE INTERCEPT (TYP)

EXISTING RIGHT-OF-WAY (TYP)

MATCH LINE 156+00

MATCH LINE 170+00

END MILL AND OVERLAY
STA 161+88
BEGIN RECONSTRUCTION
SAWCUT REQ'D

REMOVE GUARDRAIL
STA 163+43 - 164+64 RT

STA 164+88.7 RT
CONST GRAVEL PE
MATCH EXISTING

END RECONSTRUCTION
STA 166+13
BEGIN MILL AND OVERLAY
SAWCUT REQ'D

REMOVING SMALL PIPE CULVERTS REQ'D
STA 164+69 CMCP 30-INCH

STA 168+51.6 RT
CONST GRAVEL PE
MATCH EXISTING

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
6	162+74.5, 26.8' RT	1273.72	420741.236	631174.842	SPK IN 24" OAK TREE

STA 161+88.27
EL 1278.79

VCL = 250.00
K = 29.90

STA 166+12.63
EL 1280.08

VPC STA 163+45.00
VPC EL 1274.86

LP STA 164+19.97
LP EL 1273.92

FINISHED R/L PROFILE

-2.51%

5.85%

VPT STA 165+95.00
VPT EL 1279.05

EXISTING R/L PROFILE

STA 164+69
52' - CPRC 24x38-INCH
SKEW 32.3 DEG LHF
2 - AEW'S CPRC
24x38-INCH

VPI STA 164+70.00
VPI EL 1271.73

EXISTING R/L ELEVATION

FINISHED R/L ELEVATION

1295 1290 1285 1280 1275 1270 1265 1260

156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
1275.07	1275.72	1276.49	1277.73	1280.86	1280.17	1277.05	1275.47	1275.58	1276.68	1278.77	1279.04	1278.80	1278.50	1276.39
												1277.25	1274.45	1275.99
												1273.23	1274.74	1272.76
												1273.99	1272.83	1274.07
												1273.46	1274.99	1275.47
												1276.75	1279.09	1279.34
												1282.20	1284.75	1286.64
												1288.62	1290.28	1289.87
												1288.95	1288.50	

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 58 E

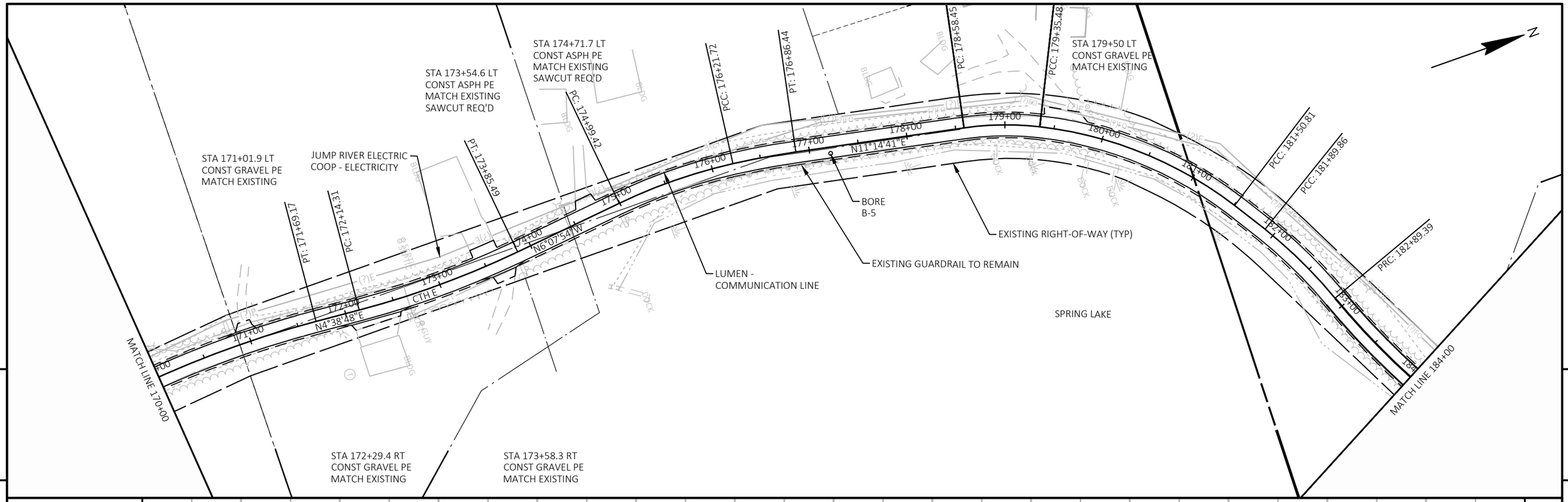
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 05

PLOT DATE : 9/28/2026 3:18 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

5

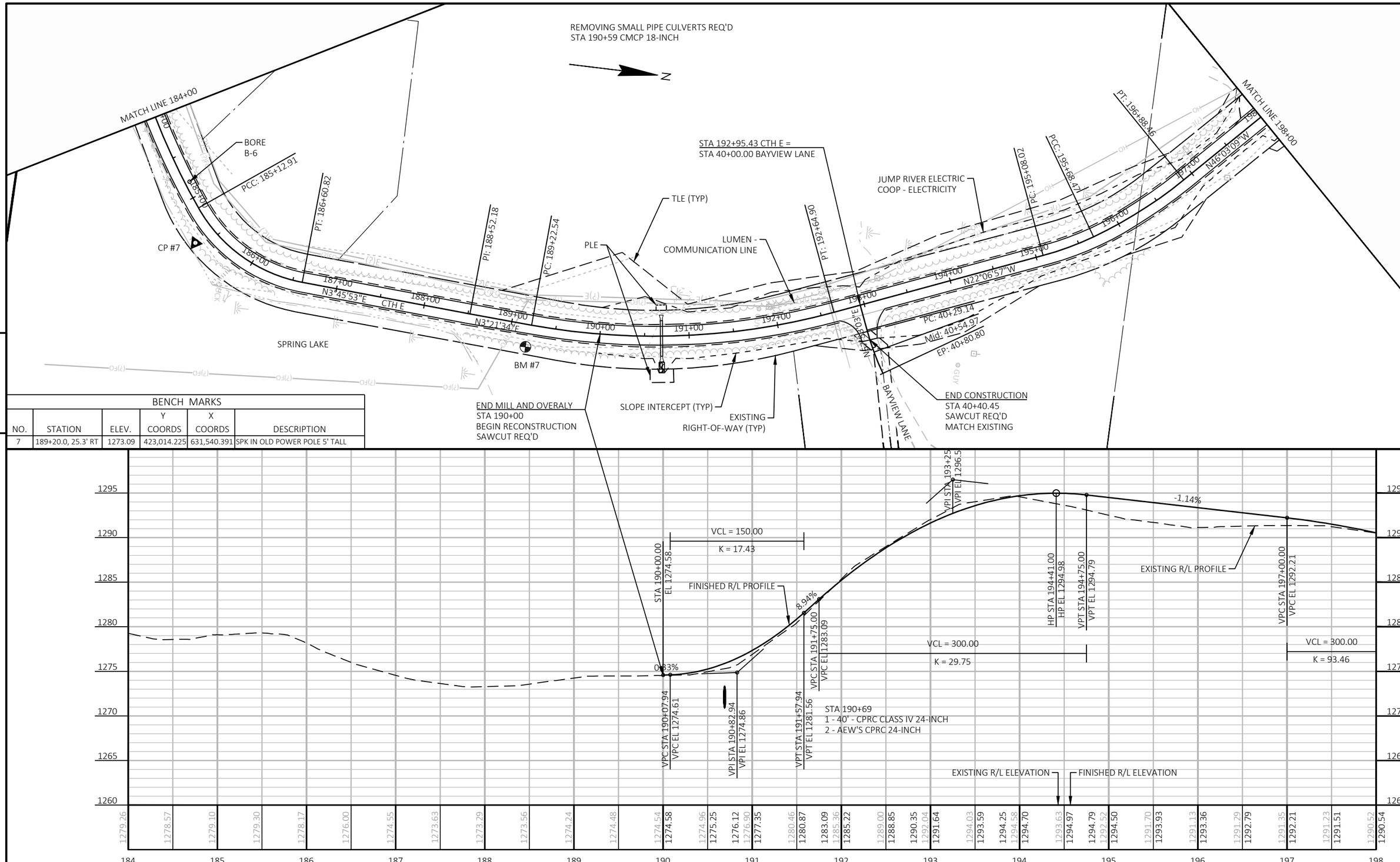


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 59 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 06

PLOT DATE : 9/28/2026 3:19 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
7	189+20.0, 25.3' RT	1273.09	423,014.225	631,540.391	SPK IN OLD POWER POLE 5' TALL

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 60	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 07
PLOT DATE : 9/28/2026 3:17 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
8A	209+99.7, 56.2' RT	1309.84	424,858.973	631,375.553	SPK IN 16" MAPLE TREE

REMOVING SMALL PIPE CULVERTS REQ'D
STA 202+19 CMCP 18-INCH

STA 200+00 - 202+00 LT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

PCC: 201+68.12
PCC: 204+06.50
PCC: 199+91.62
PT: 205+77.89
PC: 208+22.40
PT: 210+29.43

ASPHALTIC FLUME
LUMEN - COMMUNICATION LINE
BORE B-7
CTH E
EXISTING RIGHT-OF-WAY (TYP)
TLE (TYP)
SLOPE INTERCEPT (TYP)
N29°16'18"E
JUMP RIVER ELECTRIC COOP - ELECTRICITY
CP #8
BM #8A

STA 198+04.6 LT
CONST GRAVEL PE
MATCH EXISTING

PC: 198+16.29
MATCH LINE 198+00

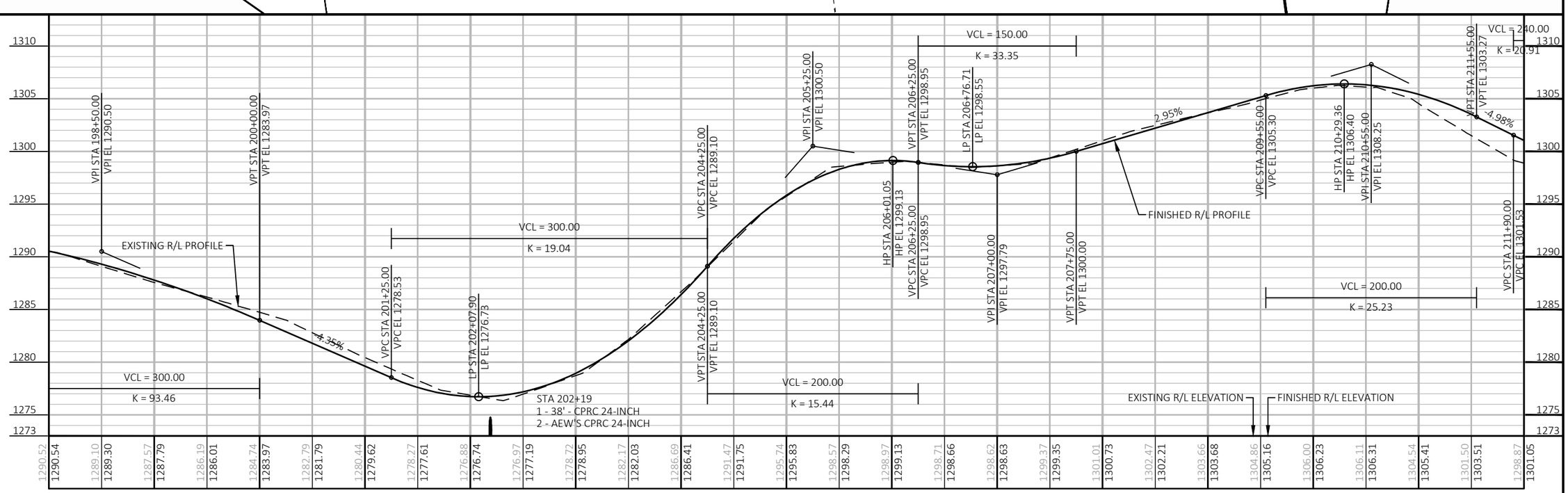
STA 210+47.6 RT
CONST GRAVEL PE
MATCH EXISTING

STA 210+62 - 213+00 RT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

MATCH LINE 212+00

5

5

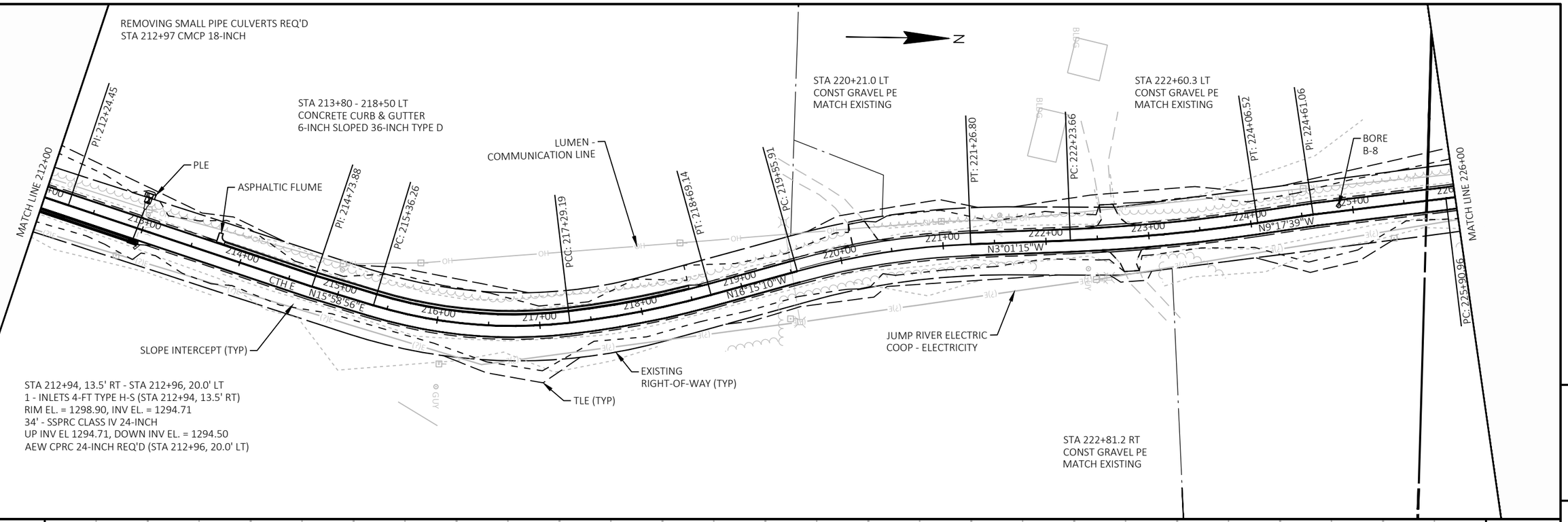


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 61	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 08

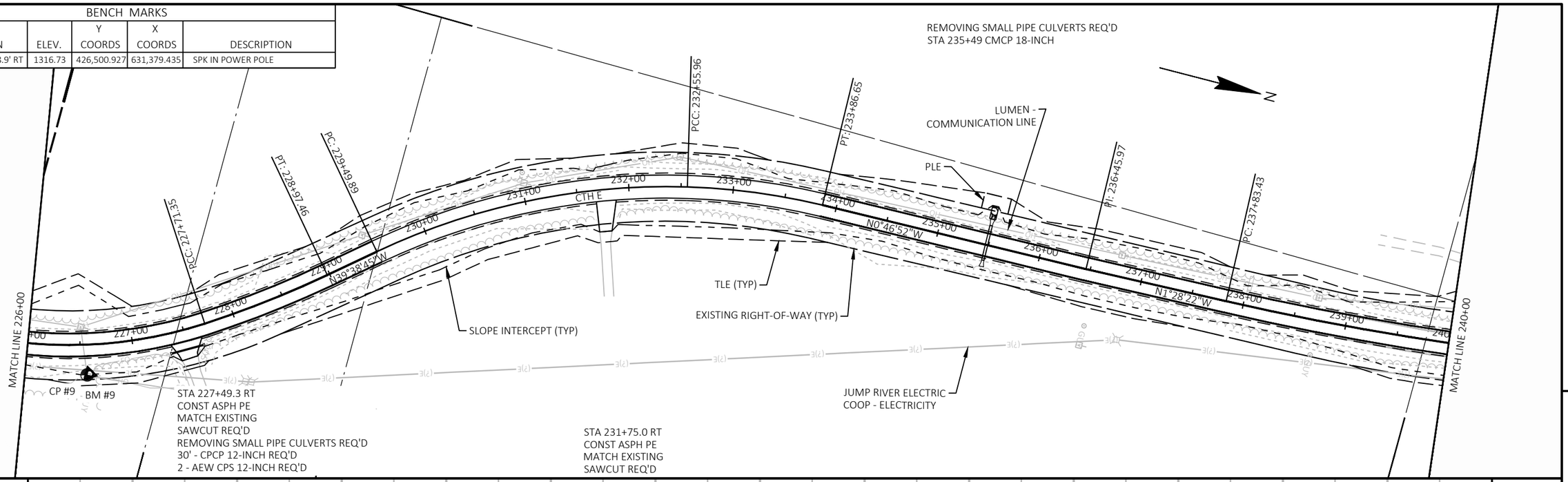
PLOT DATE : 9/28/2026 3:19 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:100 FT

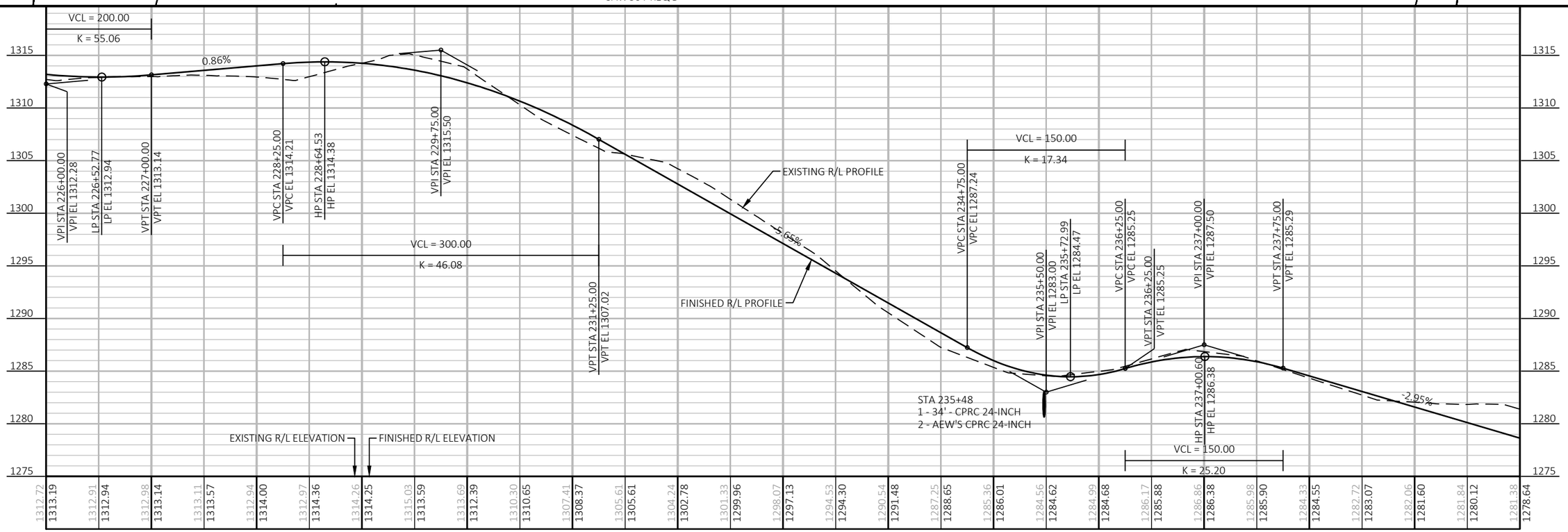
WISDOT/CADDS SHEET 44



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 62	E

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
9	226+55.6, 28.9' RT	1316.73	426,500.927	631,379.435	SPK IN POWER POLE





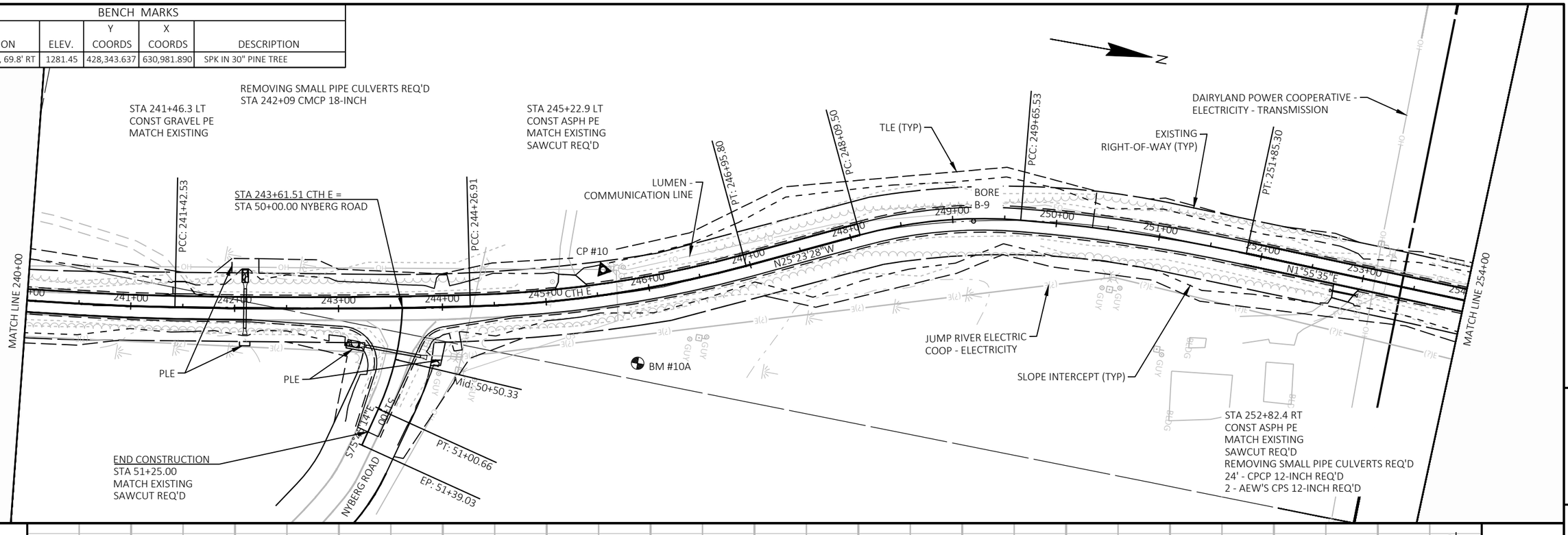
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 63	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050101 PP.DWG
LAYOUT NAME - 10

PLOT DATE : 9/28/2026 3:16 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:100 FT

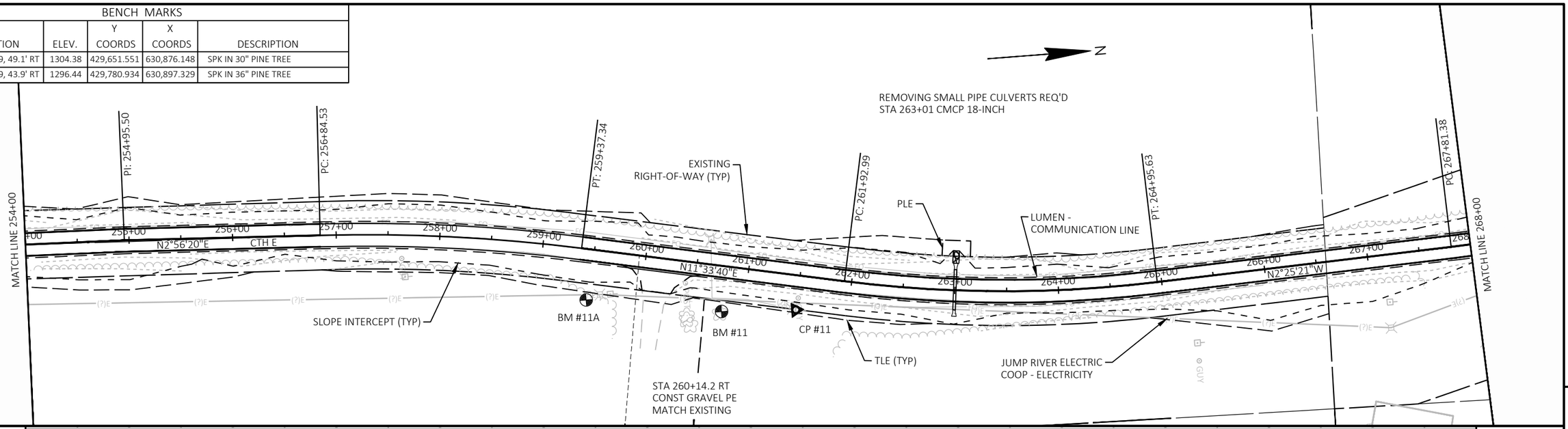
WISDOT/CADDS SHEET 44

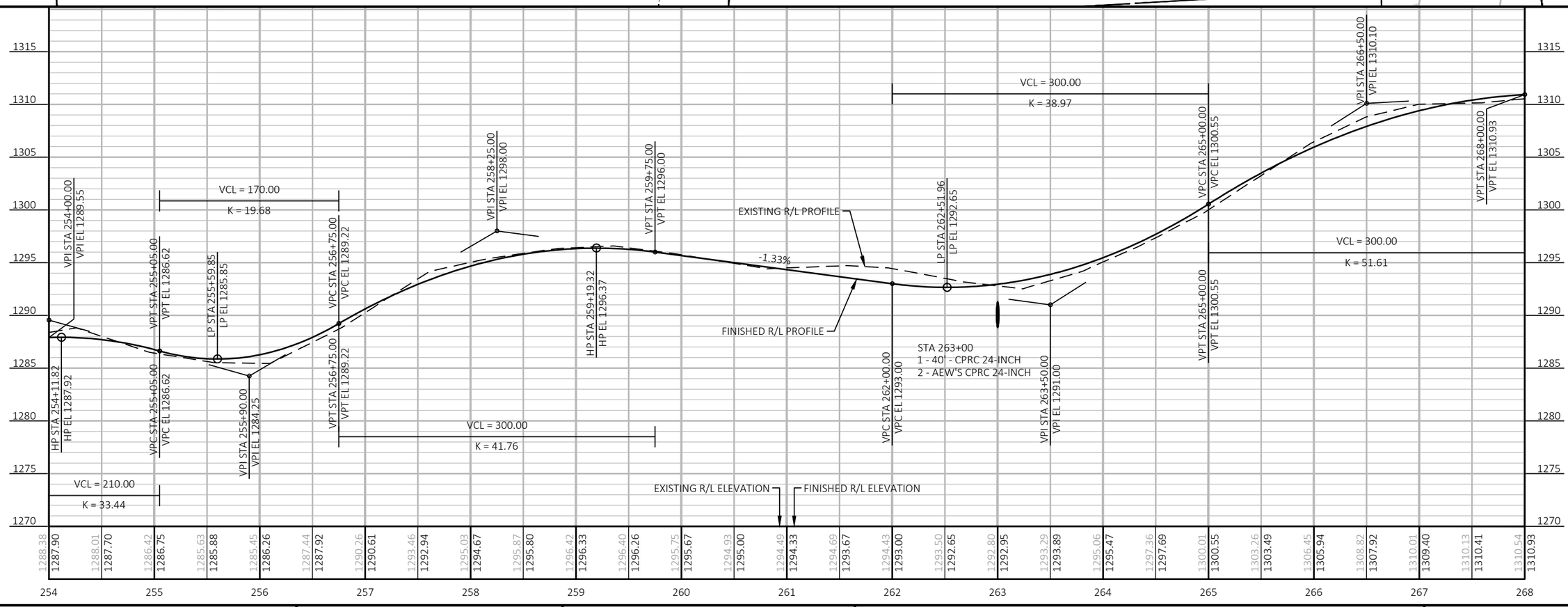
BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
10A	245+77.5, 69.8' RT	1281.45	428,343.637	630,981.890	SPK IN 30" PINE TREE



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 64	E

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
11A	259+47.9, 49.1' RT	1304.38	429,651.551	630,876.148	SPK IN 30" PINE TREE
11	260+78.9, 43.9' RT	1296.44	429,780.934	630,897.329	SPK IN 36" PINE TREE





PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: CTH E	SHEET 65	E

BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
12	277+88.8, 63.4' LT	1342.60	431,459.942	630,609.203	SPK IN POWER POLE
12A	278+29.3, 60.2' RT	1344.18	431,516.946	630,726.142	SPK IN 12" POPPLE TREE

REMOVE GUARDRAIL
STA 272+64 - 275+16 LT

N

STA 277+71.6 LT
CONST GRAVEL PE
MATCH EXISTING

REMOVING SMALL PIPE CULVERTS REQ'D
STA 280+89 CMCP 24-INCH

LUMEN - COMMUNICATION LINE

SPECTRUM - COMMUNICATION LINE

STA 271+44+28 CTH E =
STA 60+00.00 HIDDEN WOODS DRIVE

PT: 271+05.11

PI: 274+80.45

PC: 276+62.72

PCC: 278+64.96

PT: 279+88.35

BM #12

SLOPE INTERCEPT (TYP)

CP #12

MATCH LINE 268+00

CTH E

N14°52'17"W

N14°48'46"W

BORE
B-10

Mid: 60+33.98

EP: 61+03.84

BM #12A

CP #13

EP: 282+94.34

N0°24'36"E

CAUTION

STA 268+46.7 RT
CONST GRAVEL PE
MATCH EXISTING

STA 270+30.8 RT
CONST GRAVEL PE
MATCH EXISTING

PT: 60+67.95

N48°29'01"E

61+00

HIDDEN WOODS DRIVE

EXISTING RIGHT-OF-WAY (TYP)

JUMP RIVER ELECTRIC COOP - ELECTRICITY

WE ENERGIES - GAS/PETROLEUM

END CONSTRUCTION
STA 60+60.00
MATCH EXISTING

END PROJECT
STA 281+58
MATCH EXISTING
SAWCUT REQ'D
Y = 431,838.444
X = 630,658.748

CTH B

5

5

EXISTING R/L PROFILE

FINISHED R/L PROFILE

VPT STA 268+00.00
VPT EL 1310.93

0.55%

VPC STA 270+75.00
VPC EL 1312.45

VPI STA 271+75.00
VPI EL 1313.00

VPC STA 272+75.00
VPC EL 1319.67

VCL = 200.00
K = 32.71

VPT STA 272+75.00
VPT EL 1319.67

VPI STA 276+25.00
VPI EL 1343.00

VCL = 700.00
K = 97.02

HP STA 279+21.78
HP EL 1341.23

VPT STA 279+75.00
VPT EL 1341.08

-0.55%

STA 280+90
1 - 78' - CPCPE 24-INCH
SKEW 10.2 DEG LHF
2 - AEW'S CPCPE 24-INCH

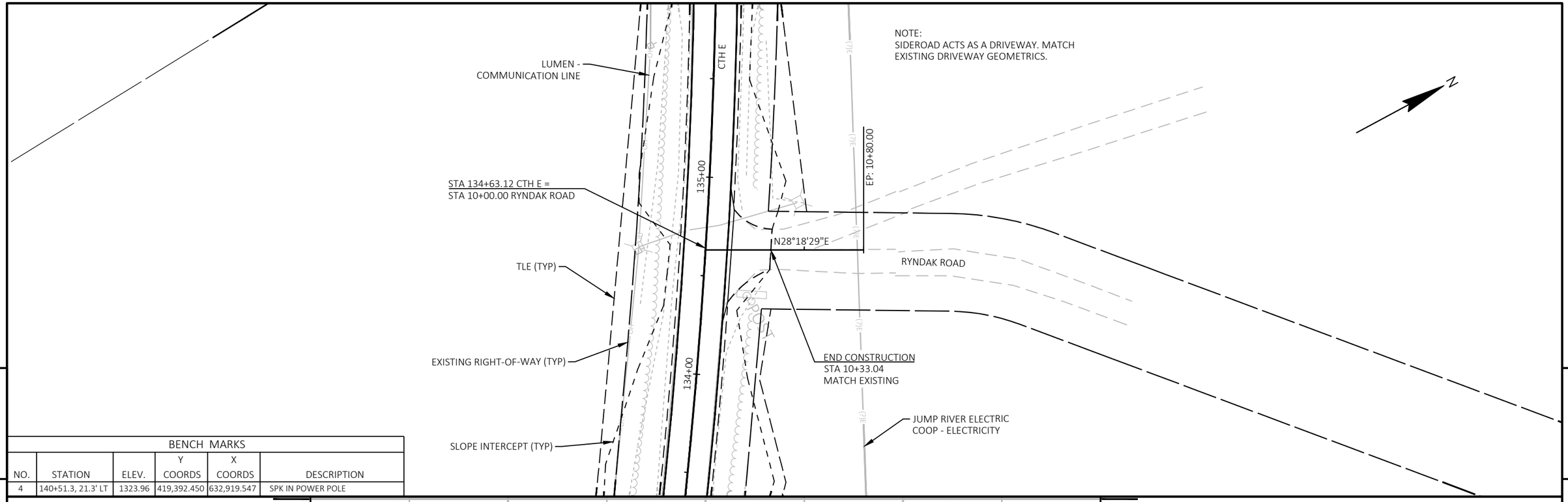
STA 281+58.00
EL 1340.08

EXISTING R/L ELEVATION

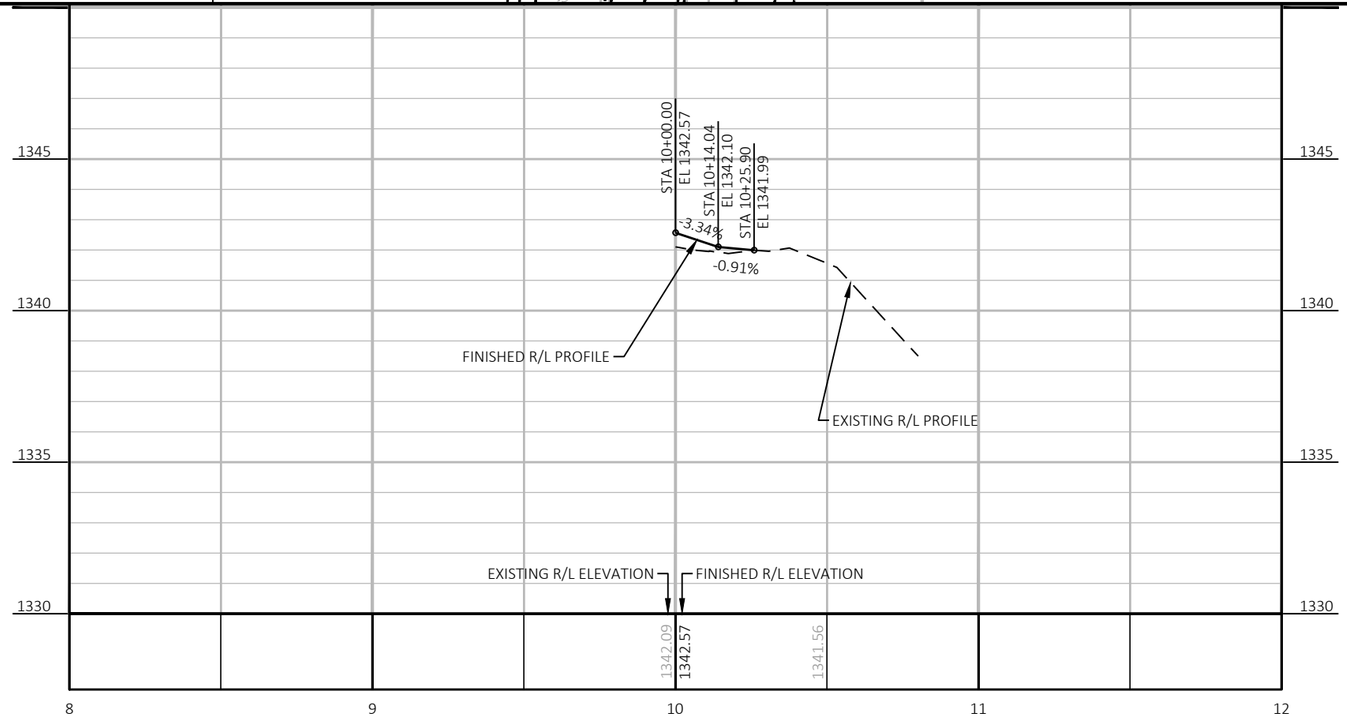
FINISHED R/L ELEVATION

1340 1335 1330 1325 1320 1315 1310 1305

| | | | | |

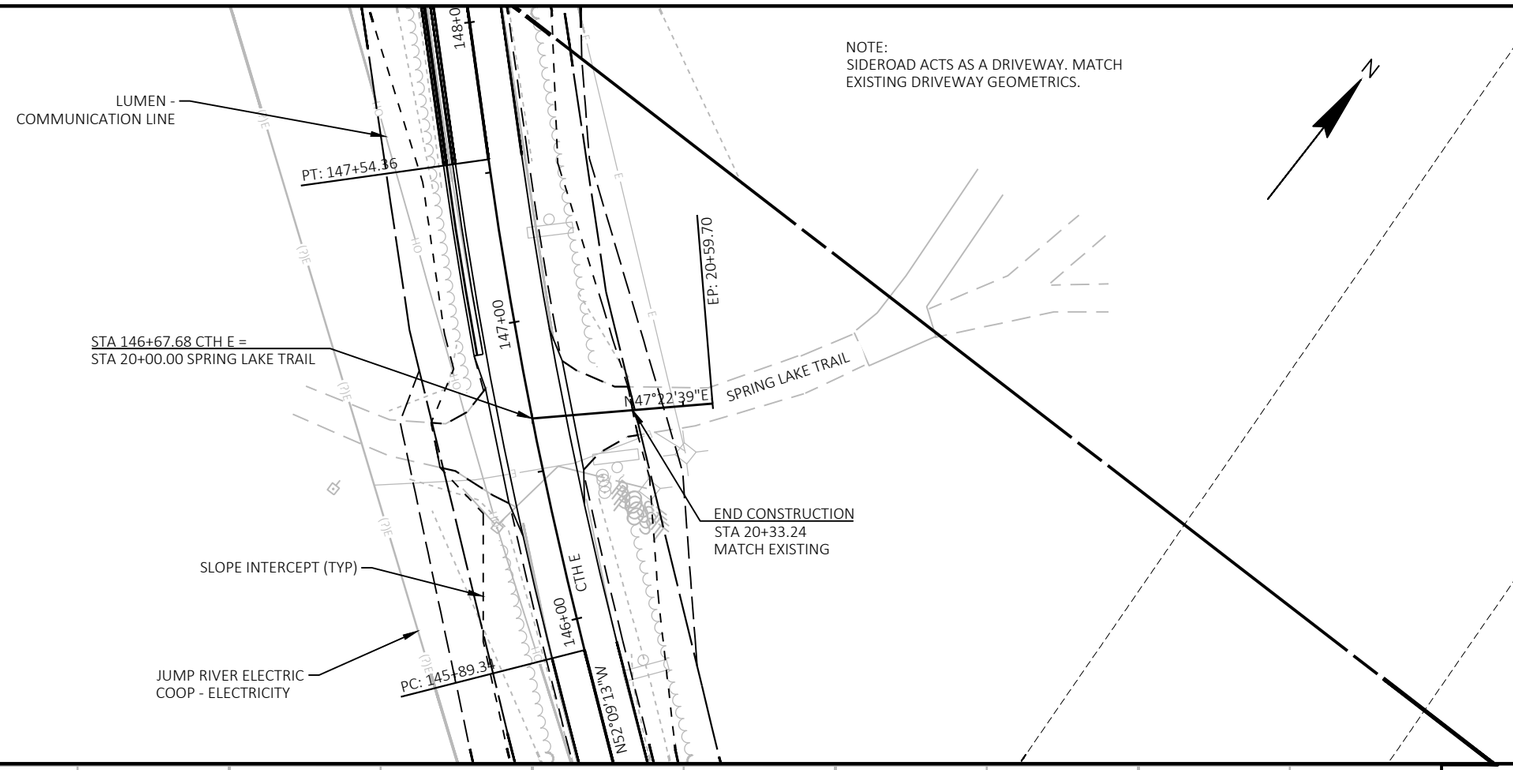


BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
4	140+51.3, 21.3' LT	1323.96	419,392.450	632,919.547	SPK IN POWER POLE



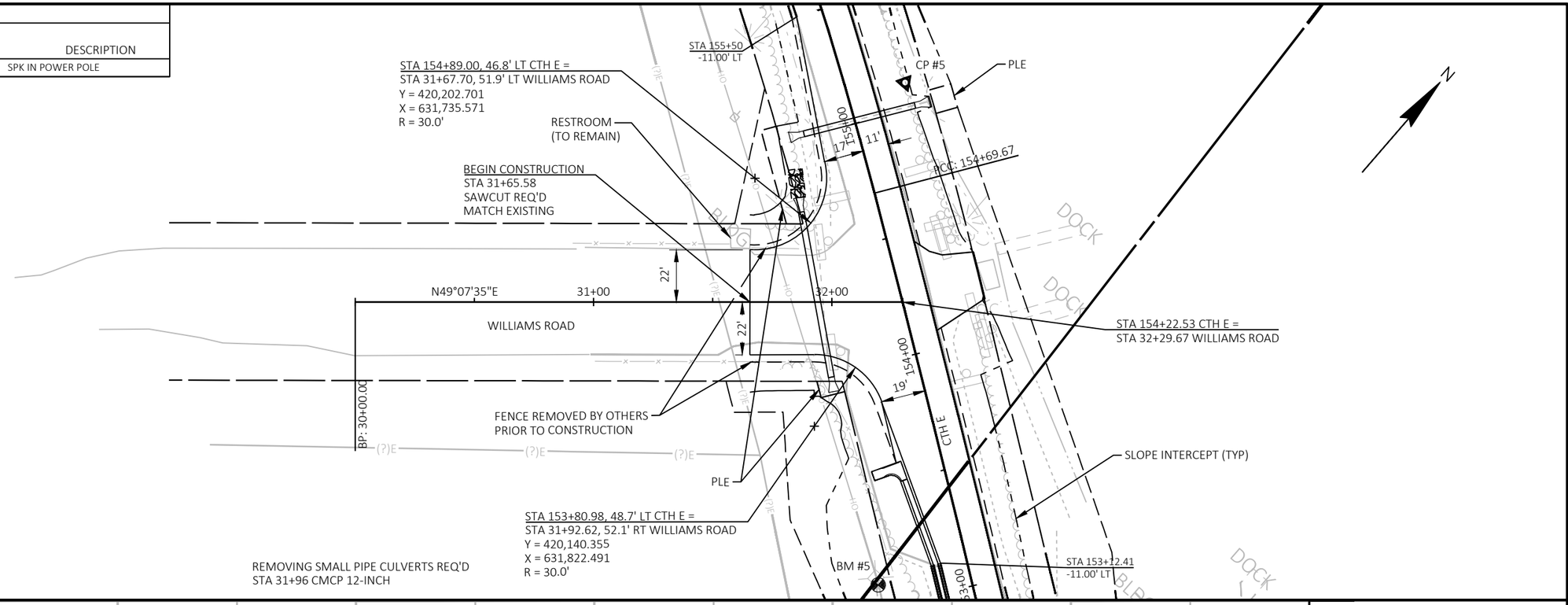
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: RYNDAK ROAD	SHEET 67	E

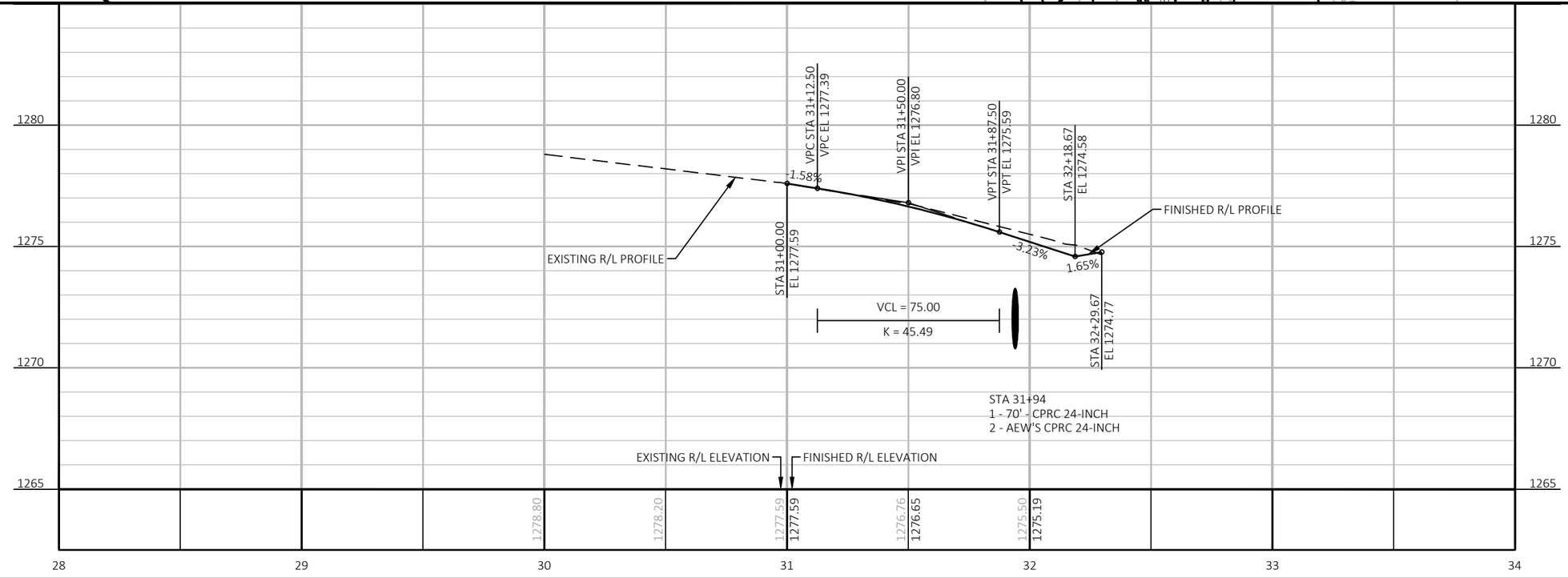
BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
4	140+51.3, 21.3' LT	1323.96	419,392.450	632,919.547	SPK IN POWER POLE



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: SPRING LAKE TRAIL	SHEET 68	E

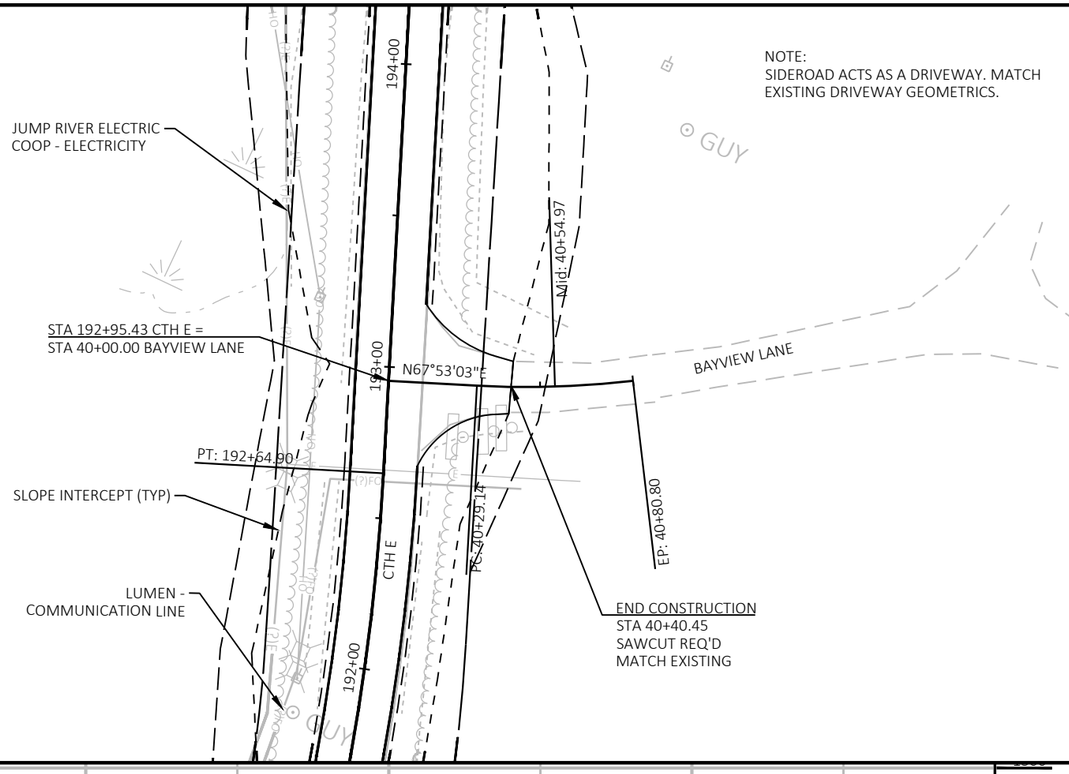
BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
5	153+09.6, 38.5' LT	1280.23	420,107.550	631,886.308	SPK IN POWER POLE



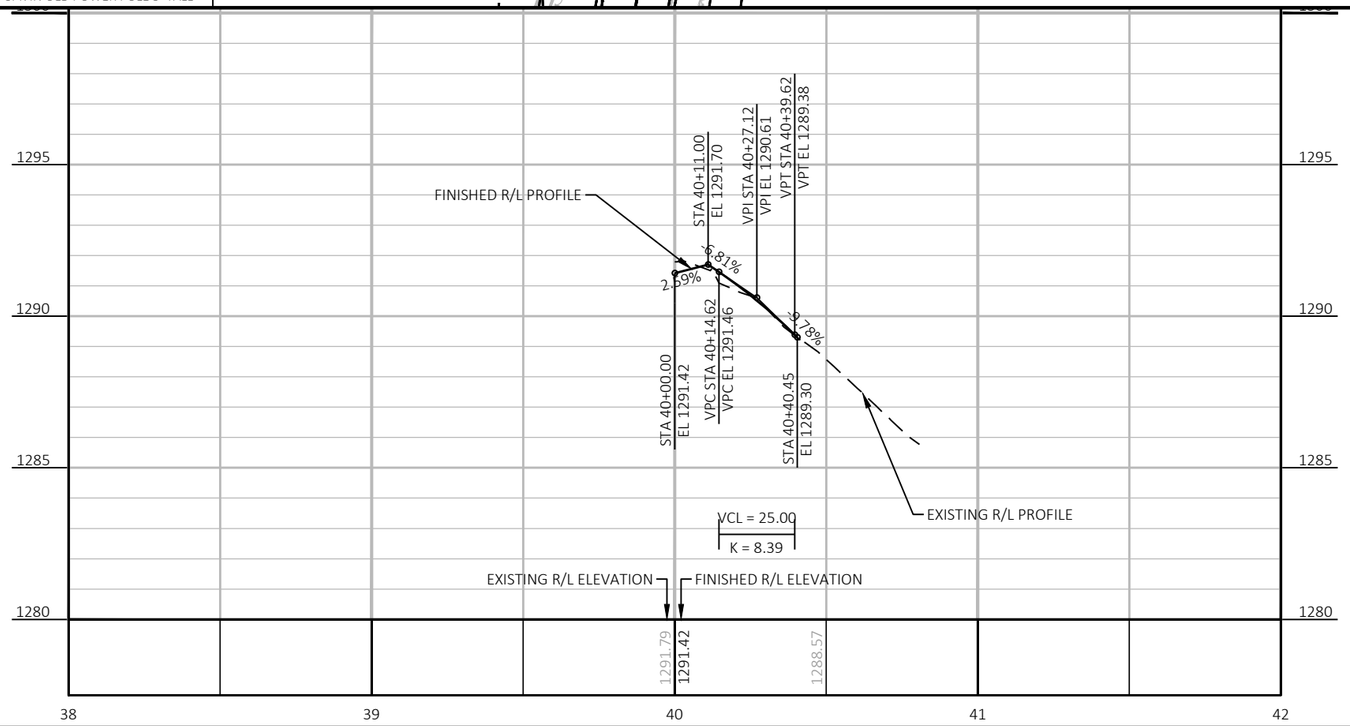


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: WILLIAMS ROAD	SHEET 69	E

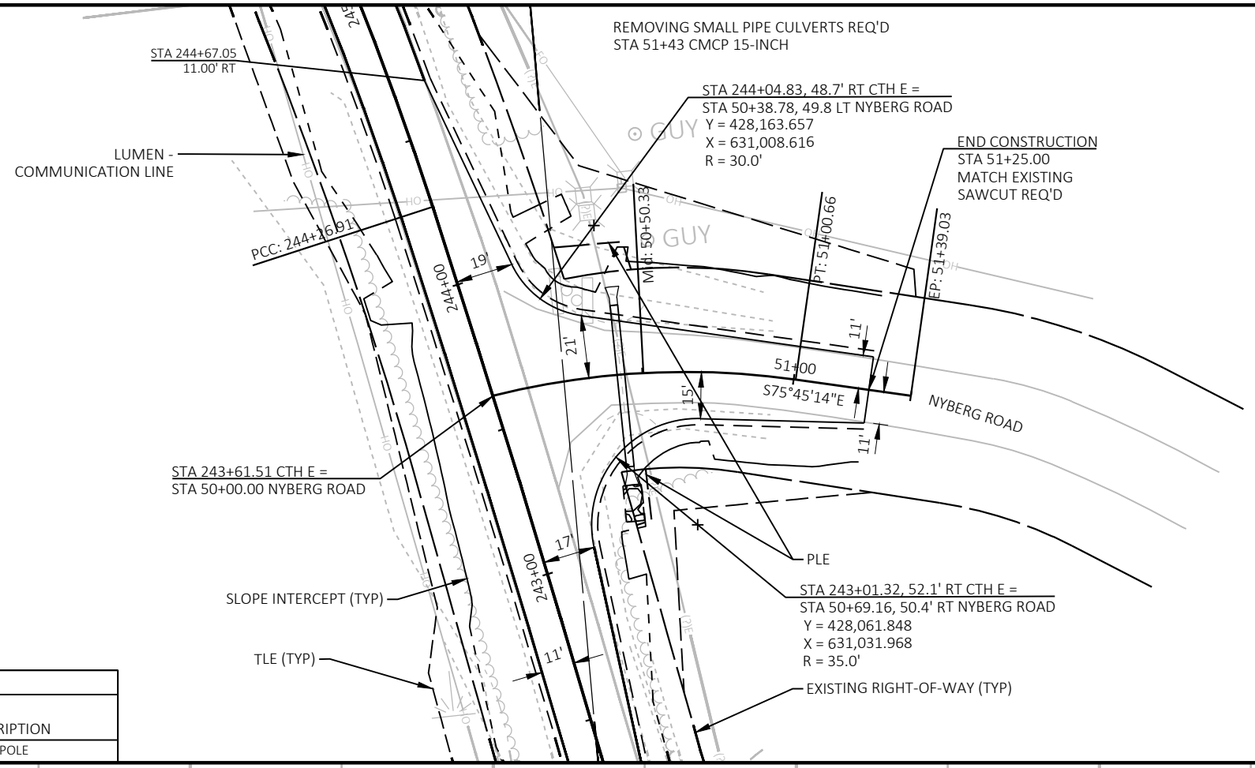
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 05 PLAN & PROFILE\050102 PP (SIDEROADS).DWG
LAYOUT NAME - 03
PLOT DATE : 9/28/2026 3:22 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
7	189+20.0, 25.3' RT	1273.09	423,014.225	631,540.391	SPK IN OLD POWER POLE 5' TALL



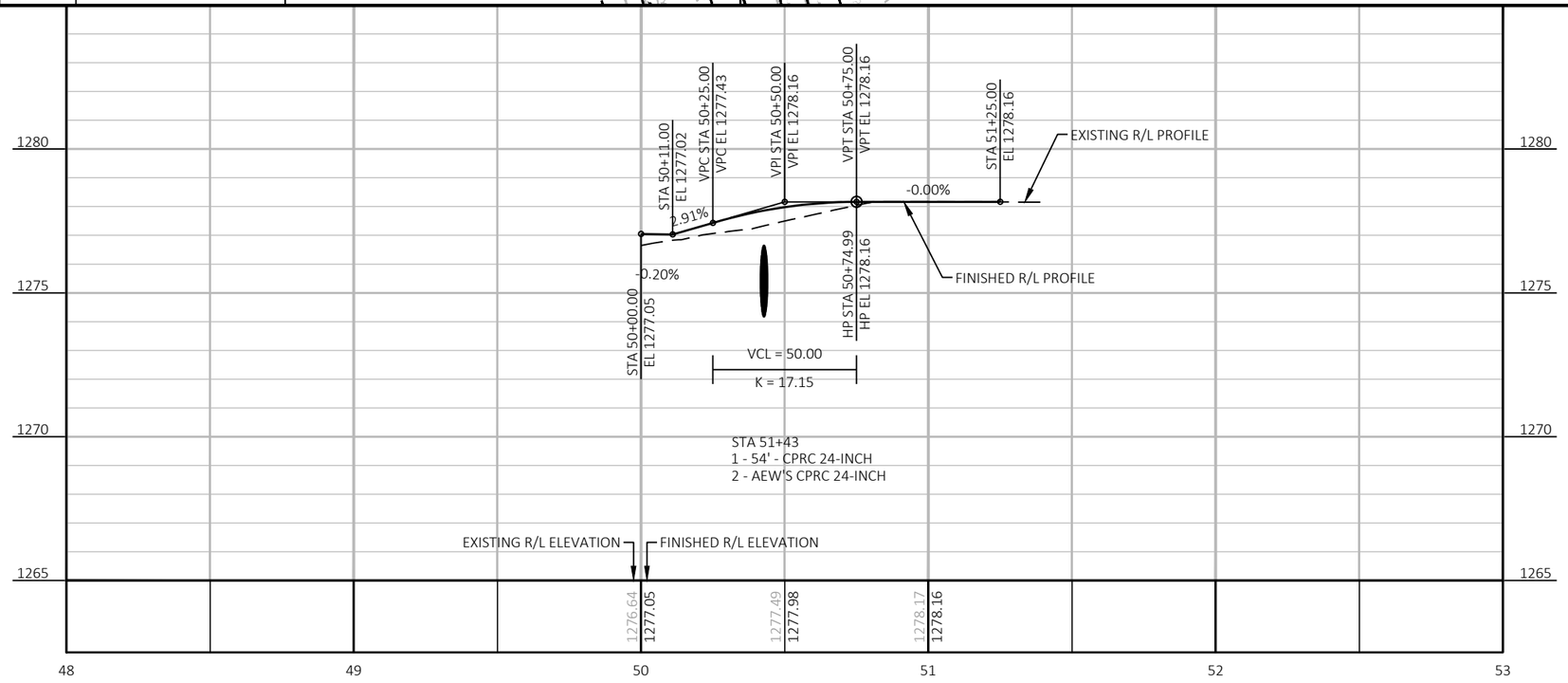
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: BAYVIEW LANE	SHEET 70	E



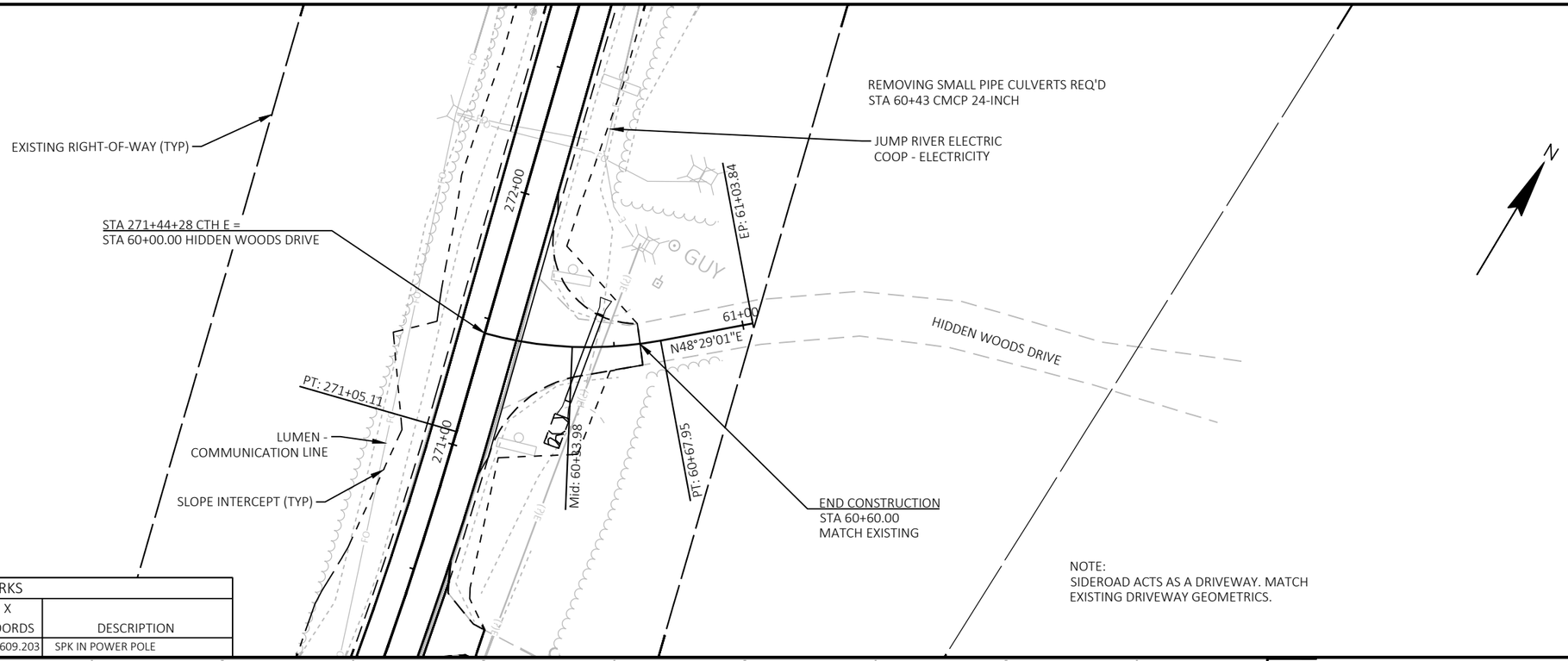
5

5

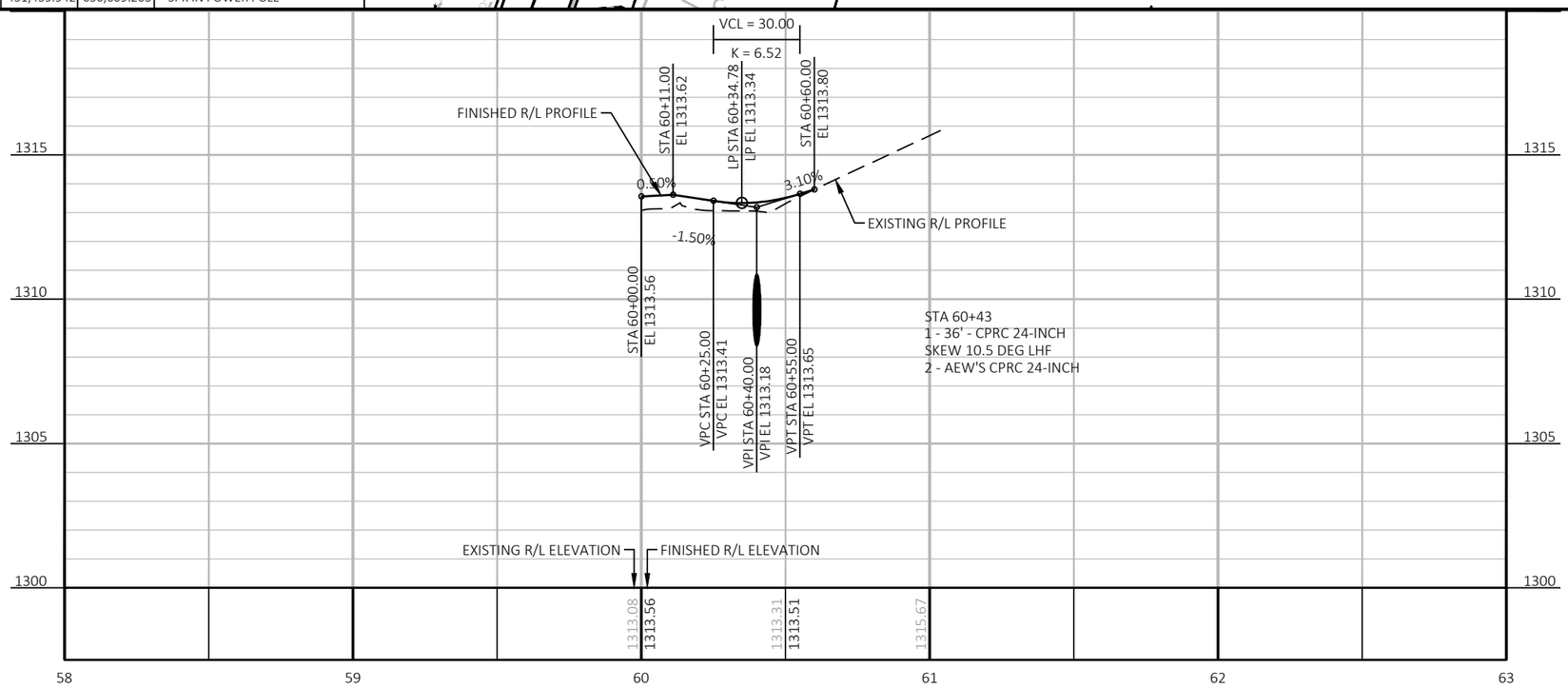
BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
10	245+63.0, 23.8' LT	1283.85	428,299.164	630,898.178	SPK IN POWER POLE



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: NYBERG ROAD	SHEET 71	E



BENCH MARKS					
NO.	STATION	ELEV.	Y COORDS	X COORDS	DESCRIPTION
12	277+88.8, 63.4' LT	1342.60	431,459.942	630,609.203	SPK IN POWER POLE

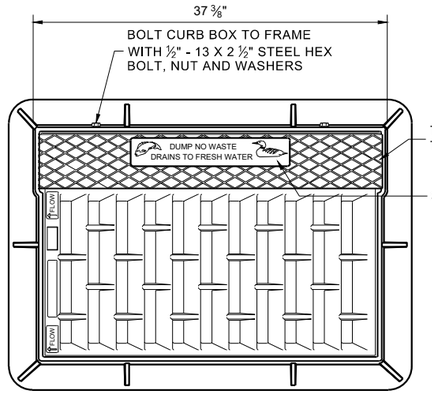


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PLAN AND PROFILE: HIDDEN WOODS DRIVE	SHEET 72	E

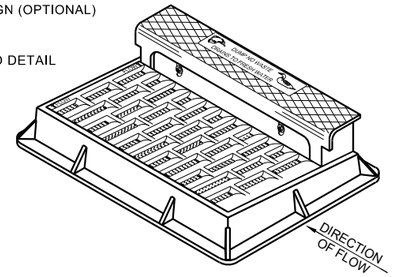
Standard Detail Drawing List

08A05-22A	INLET COVERS TYPE A, H, A-S, H-S AND Z
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08D01-24A	CONCRETE CURB AND GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPES A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
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
09A14-01	DRIVEWAYS WITHOUT CURB AND GUTTER
09A15-01	DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-10A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-10B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-10C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)

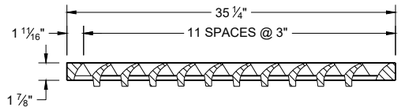
6

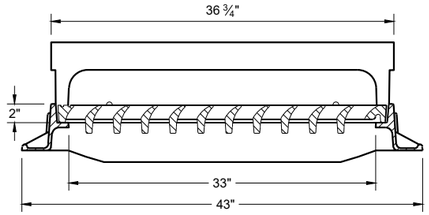


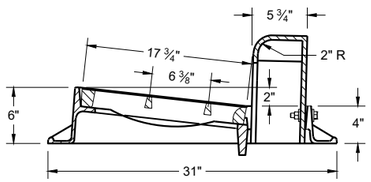
NOTE: EITHER CASTING IS ACCEPTABLE

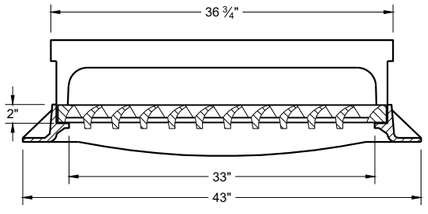


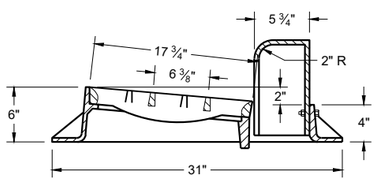
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







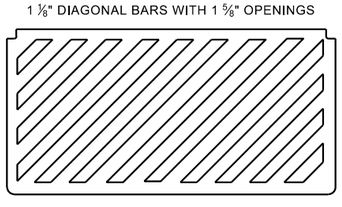




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

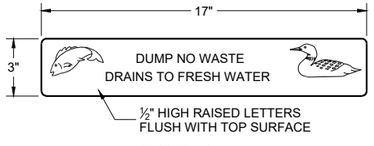
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



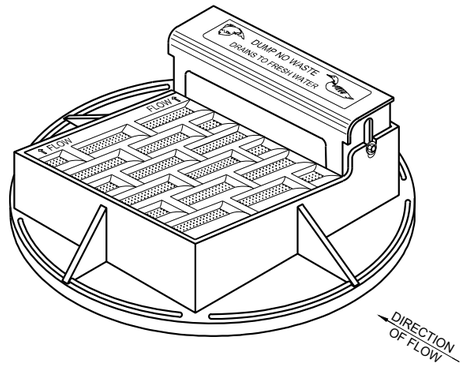
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

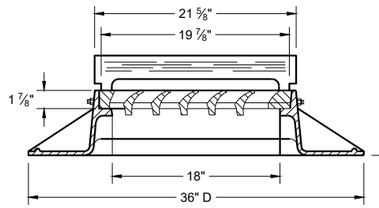


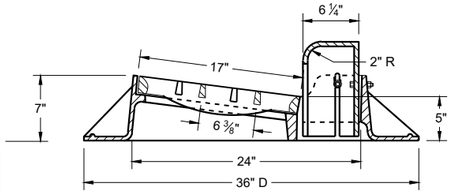
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





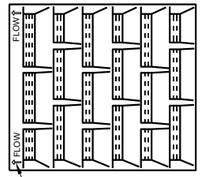
TYPE "A"

GENERAL NOTES

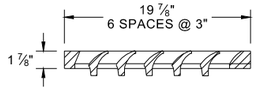
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

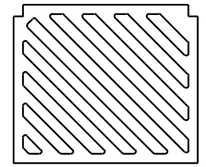
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



DIRECTION OF FLOW ARROWS



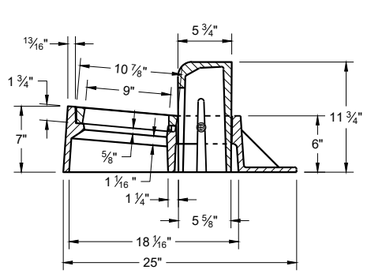
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



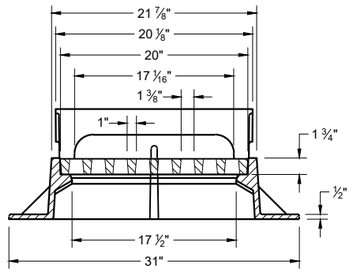
SPECIAL GRATE FOR TYPE "A" COVER

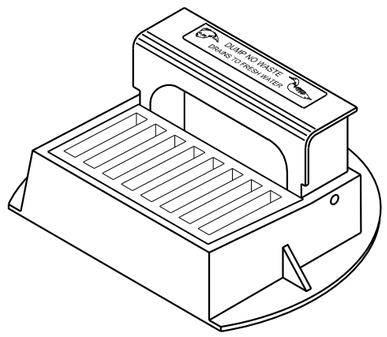
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

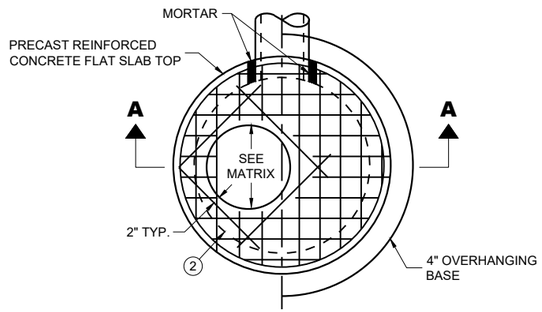
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA

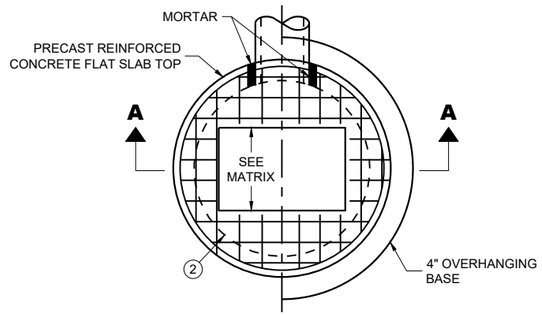
6

SDD 08A05-22a

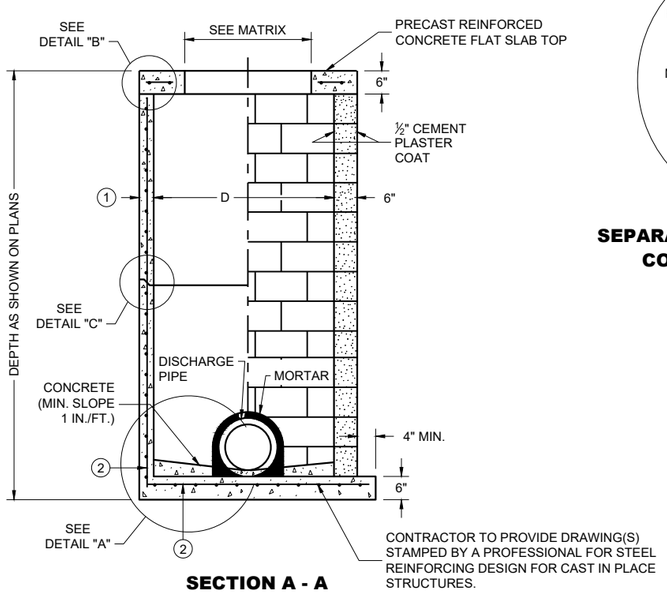
SDD 08A05-22a



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)

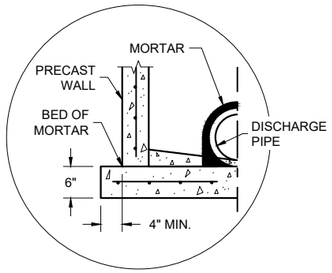
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

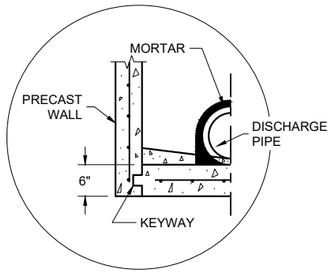
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

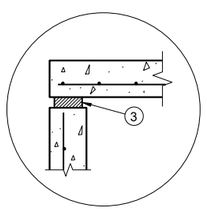


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

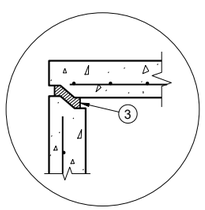


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

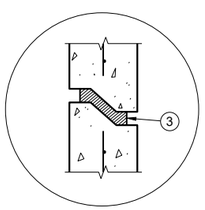
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-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 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.

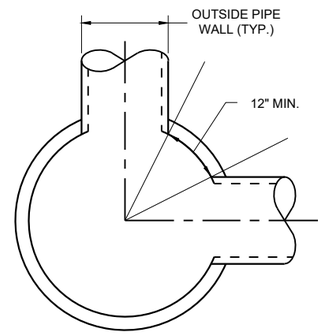
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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"

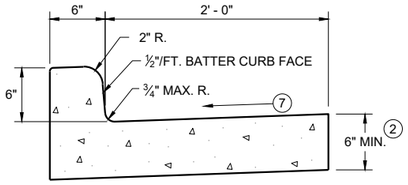
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

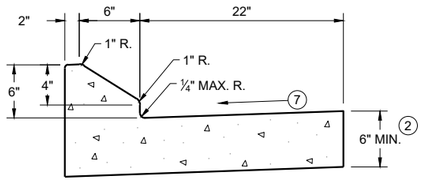
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

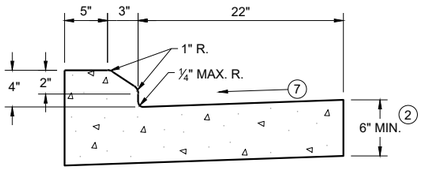
6
SDD 08C06-03



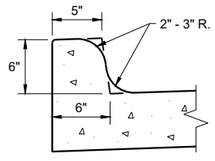
TYPES A (1) & D



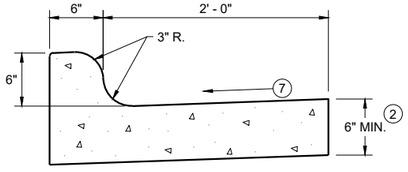
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

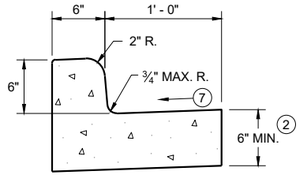


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



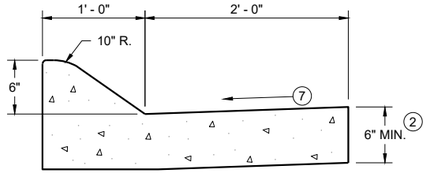
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

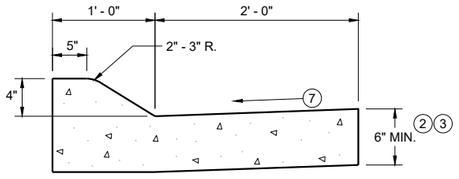


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

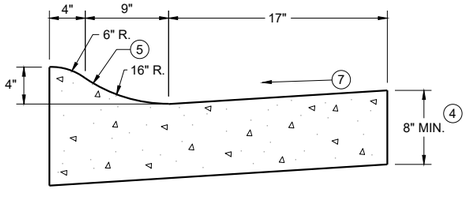


6" SLOPED CURB TYPES A (1) & D



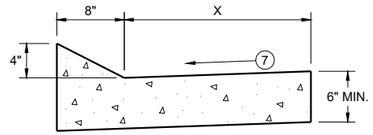
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

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

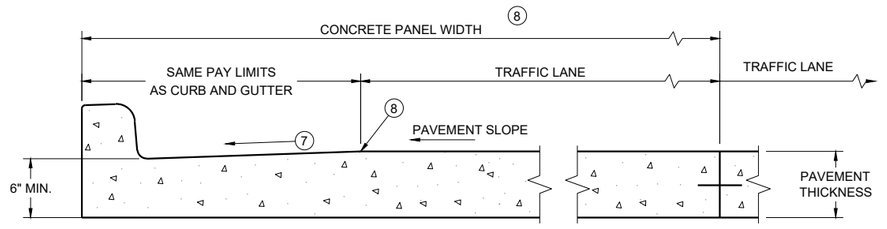


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

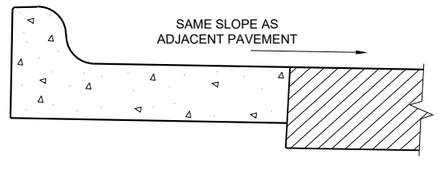
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

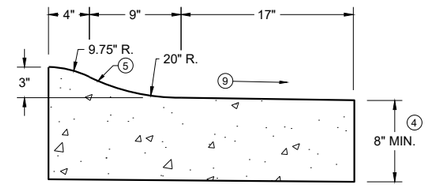
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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



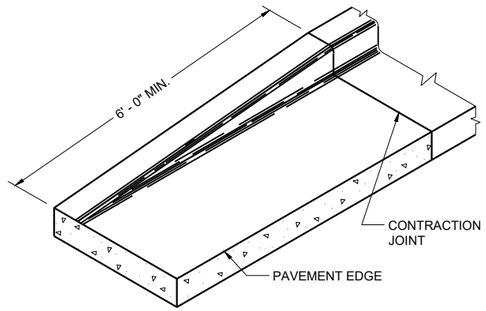
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

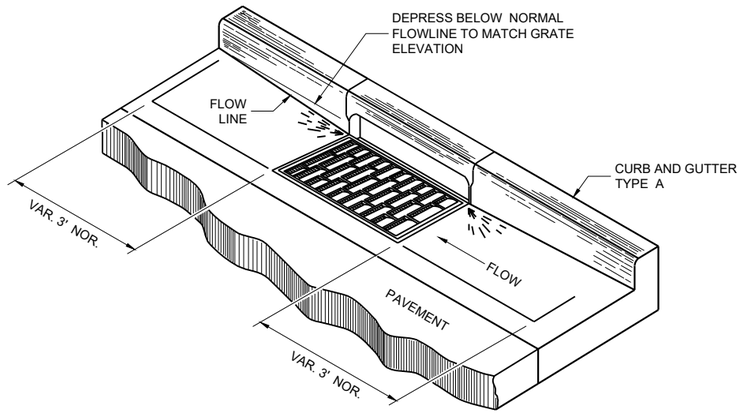
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-24a

6



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.

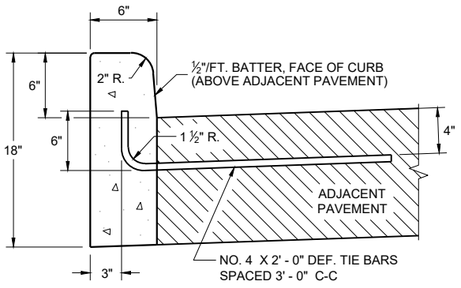
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

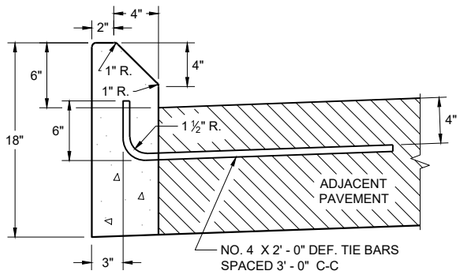
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

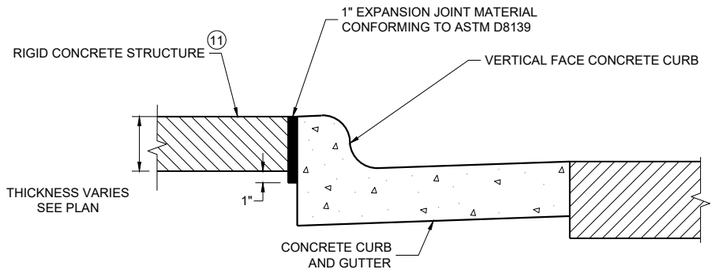


TYPES A (1) & D

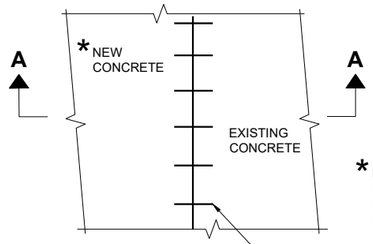


TYPES G (1) & J

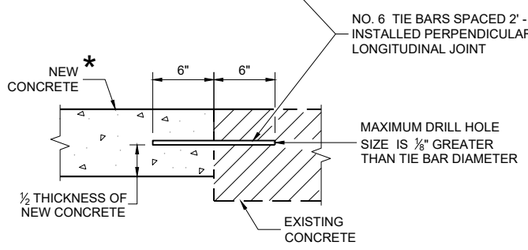
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

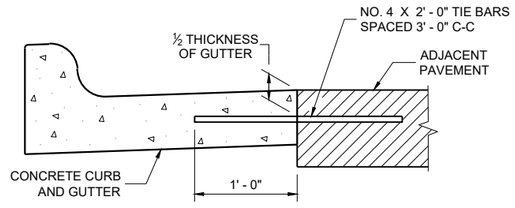


PLAN VIEW

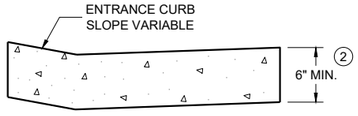


SECTION A - A

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

6

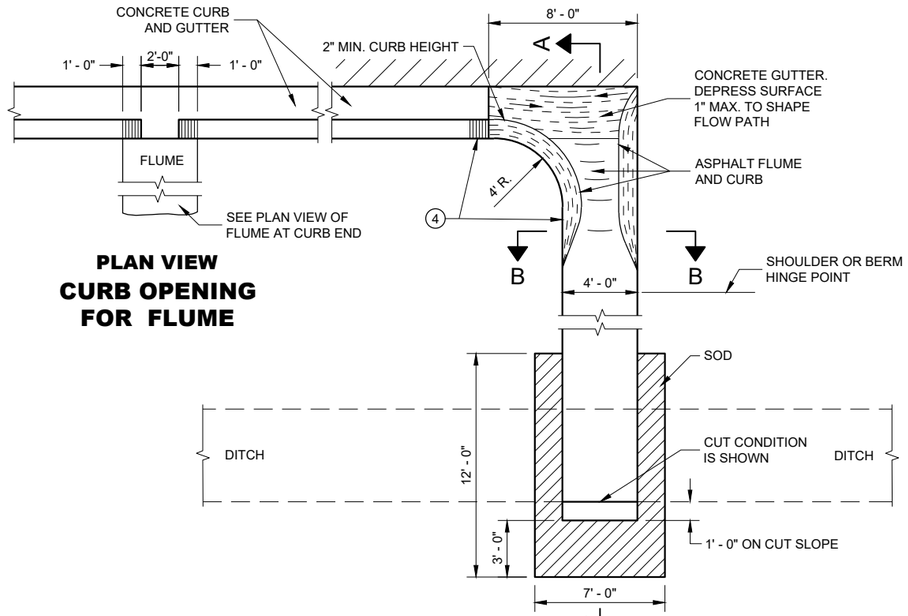
SDD 08D01-24b

6

SDD 08D01-24b

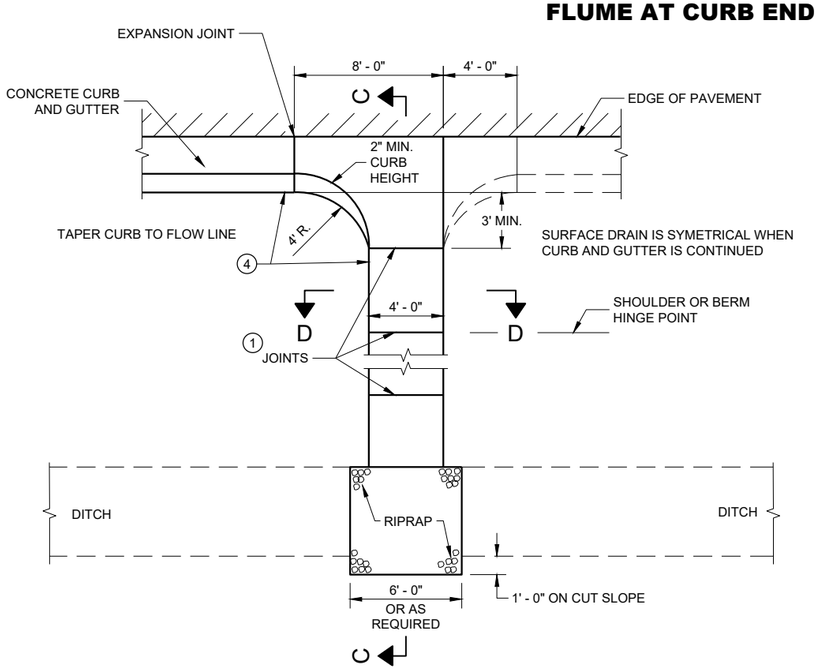
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



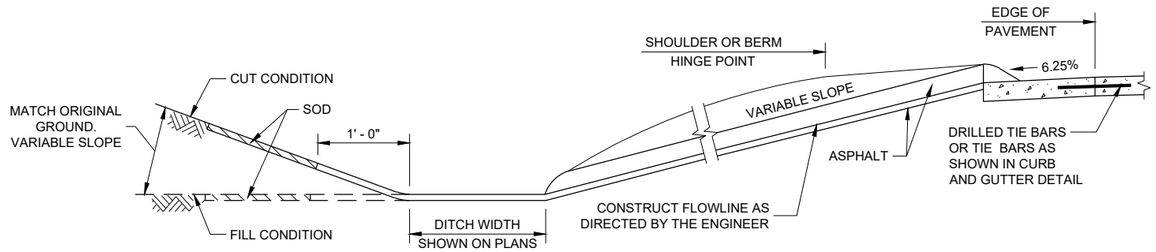
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

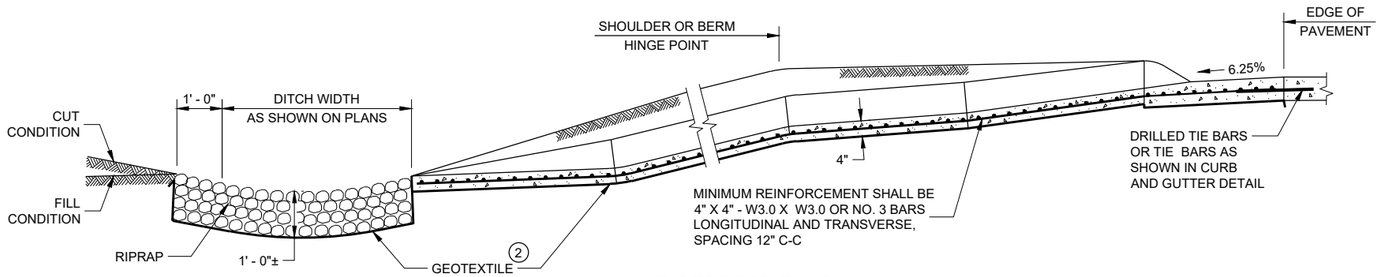
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

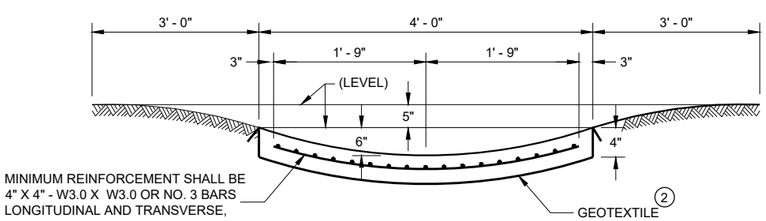


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

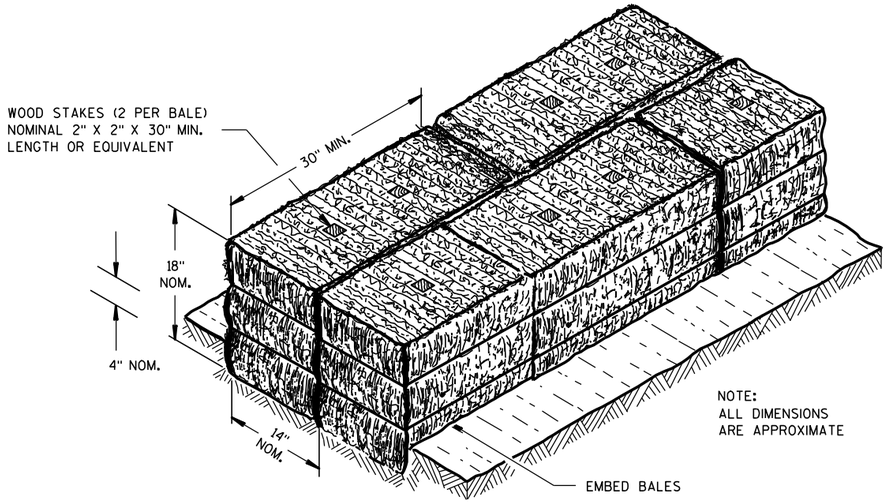
APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

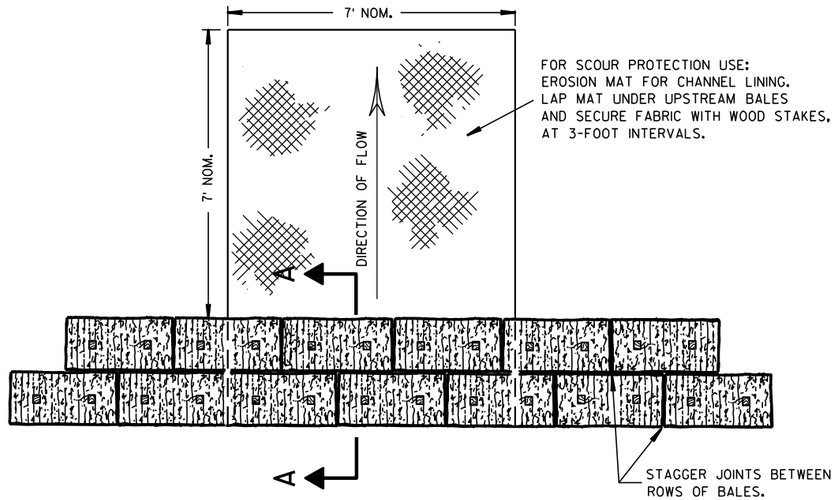
FHWA

6

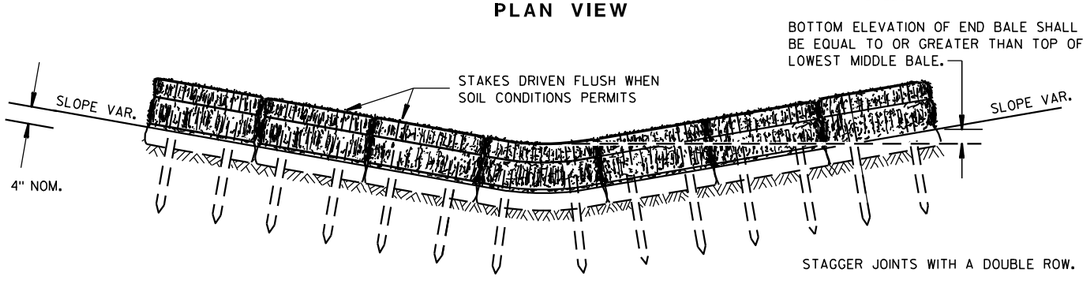
SDD 08D04 - 07



SECTION A-A



PLAN VIEW



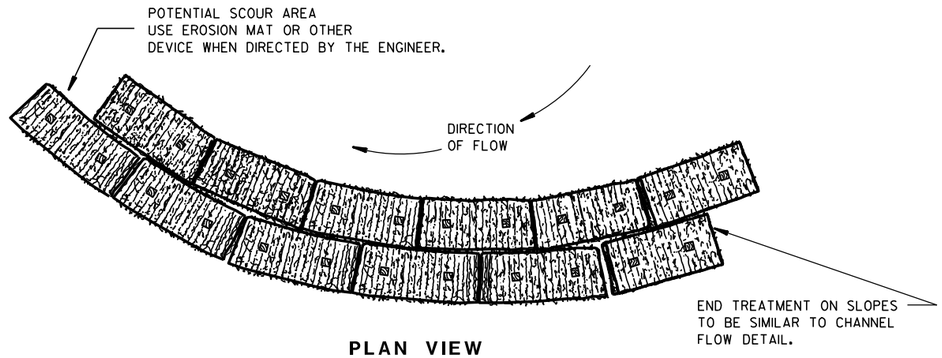
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

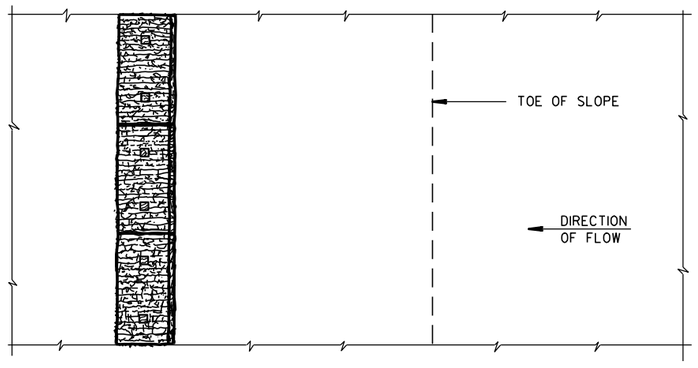
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

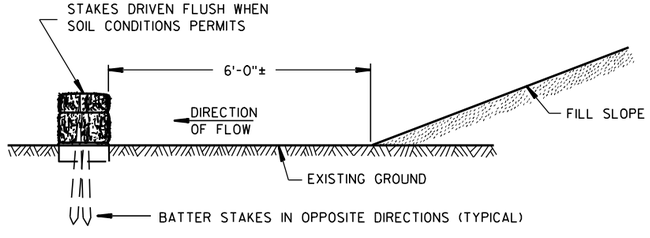


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

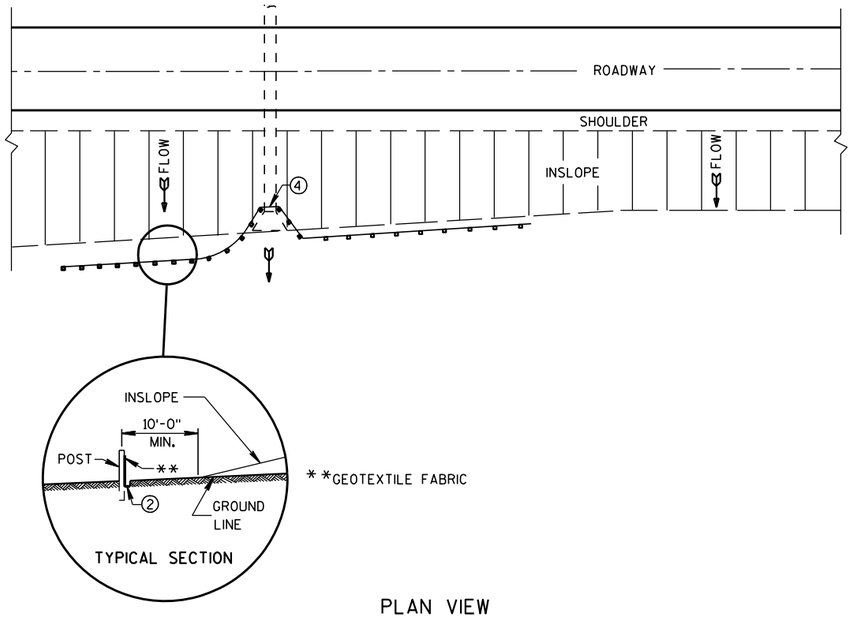
WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

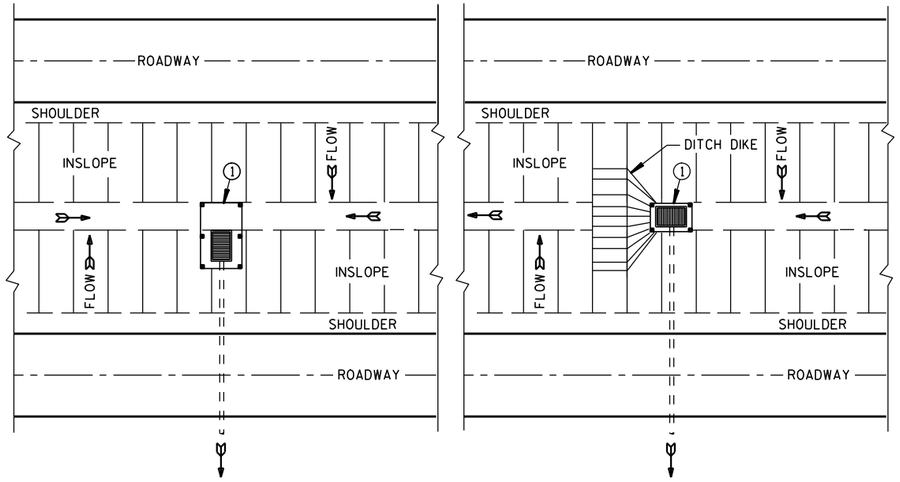
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

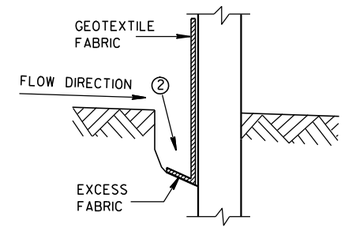
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

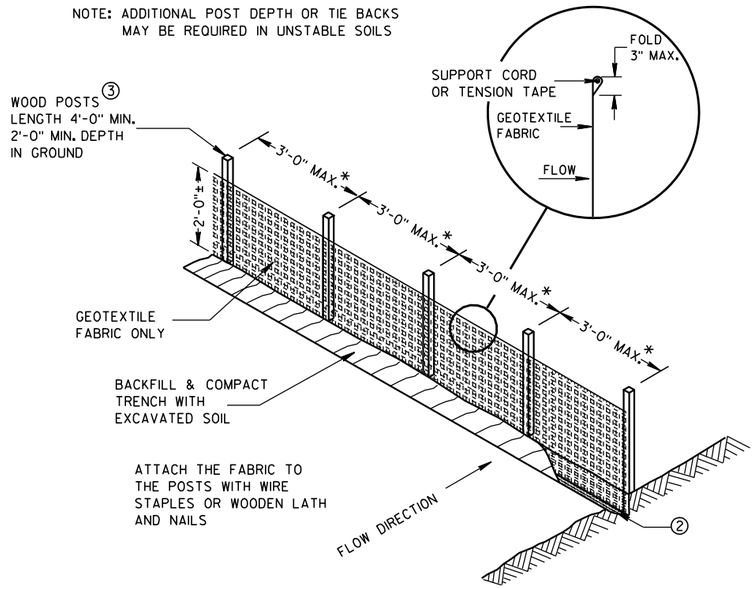
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

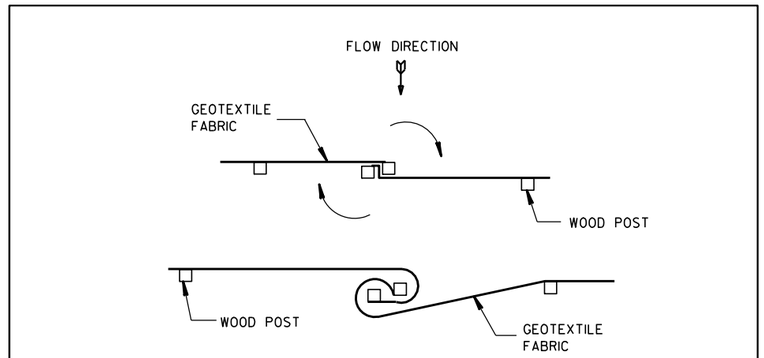
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



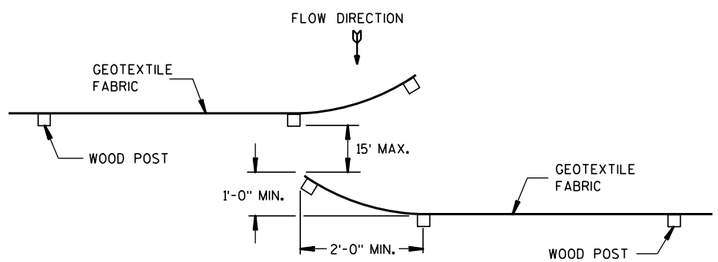
TRENCH DETAIL



SILT FENCE

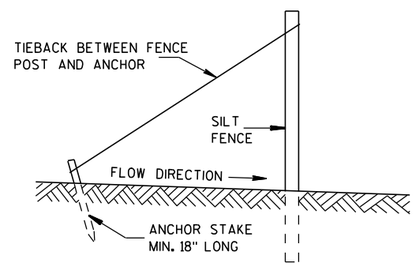


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

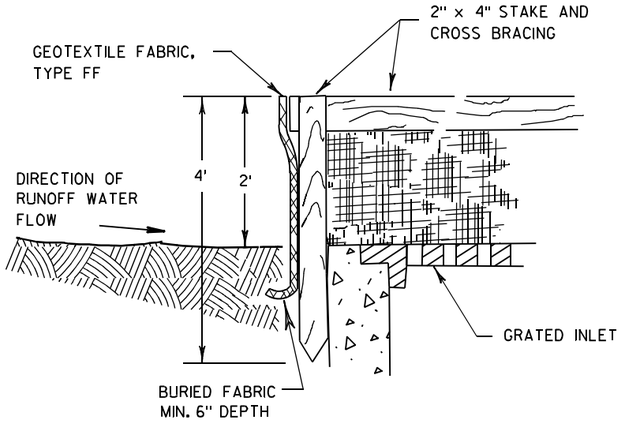
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

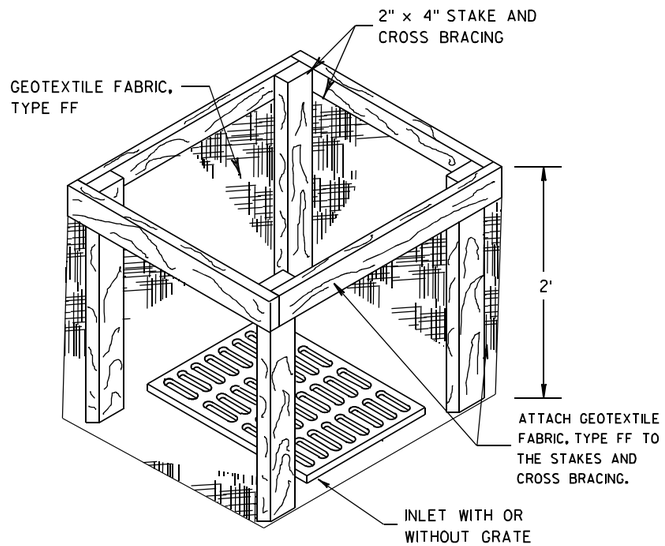
6

S.D.D. 8 E 9-6

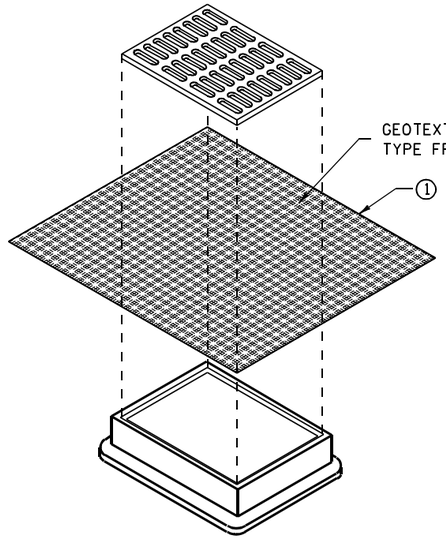
6

S.D.D. 8 E 9-6



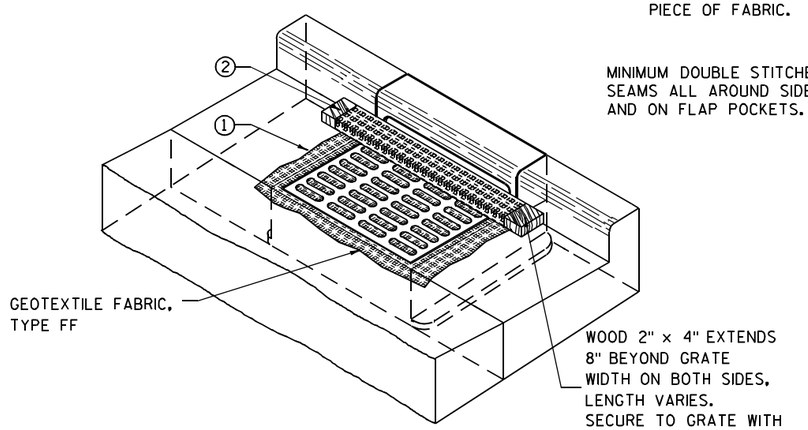


INLET PROTECTION, TYPE A

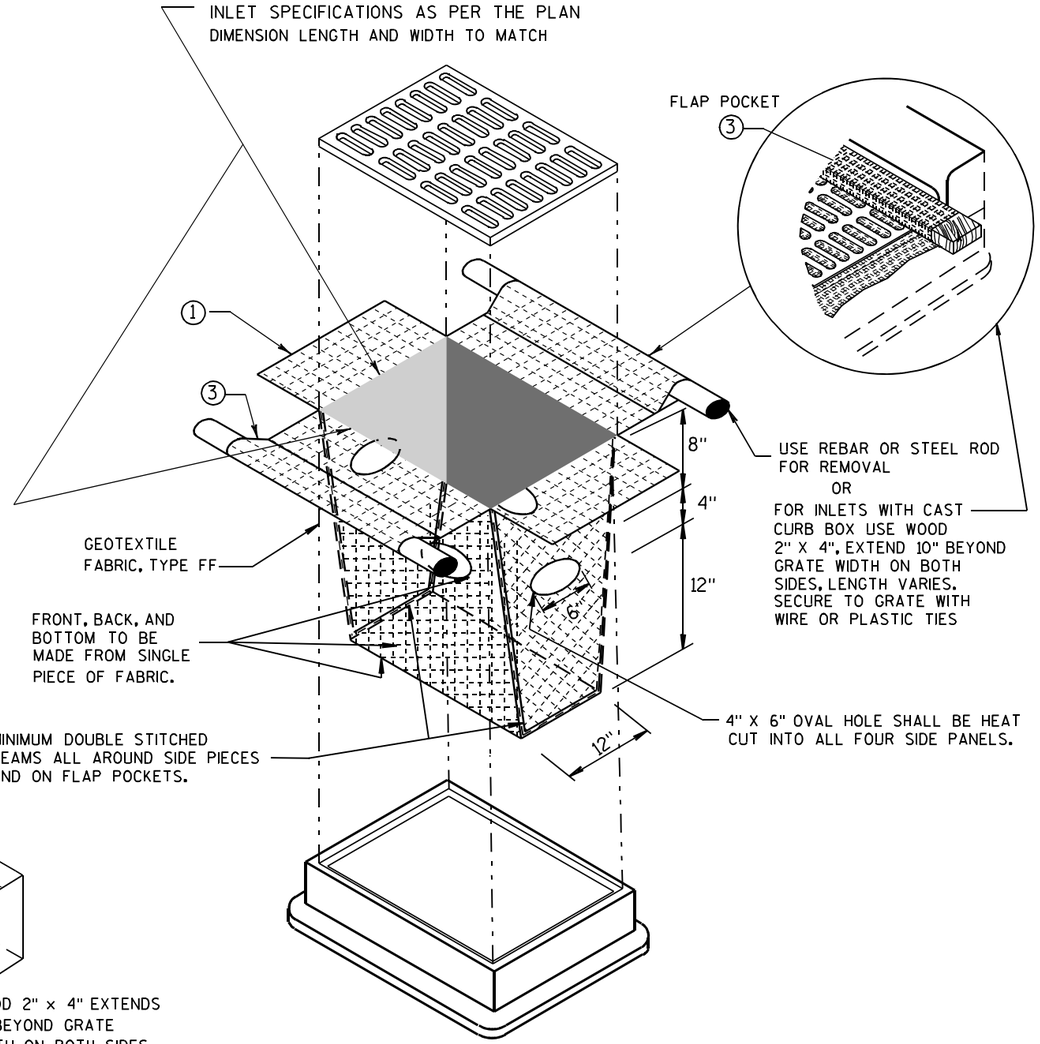


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE 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

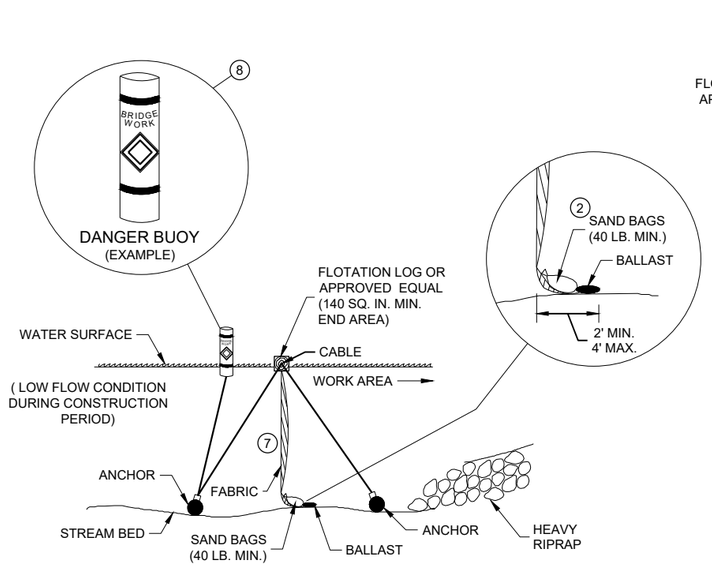
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

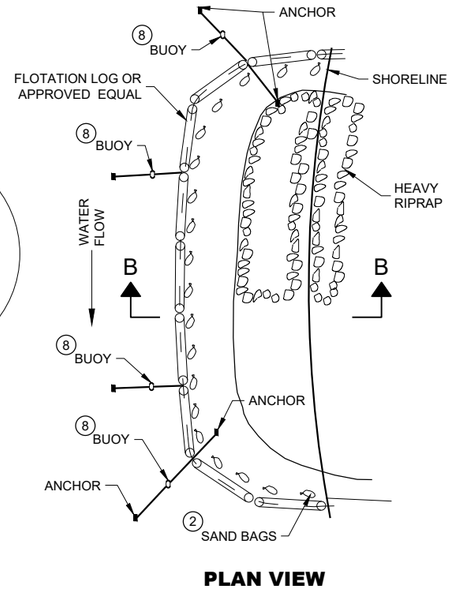
FHWA

6

S.D.D. 8 E 10-2

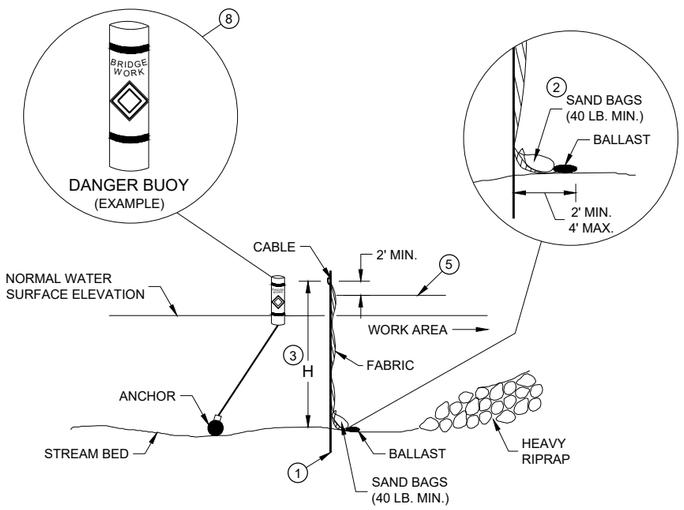


SECTION B - B

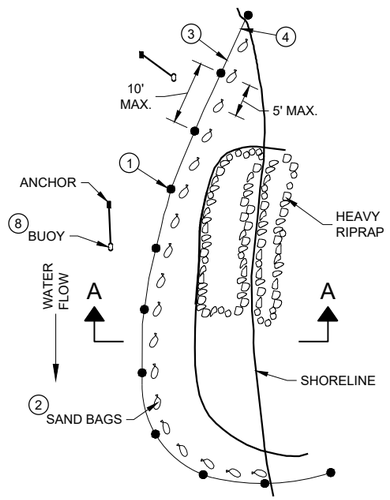


PLAN VIEW

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.

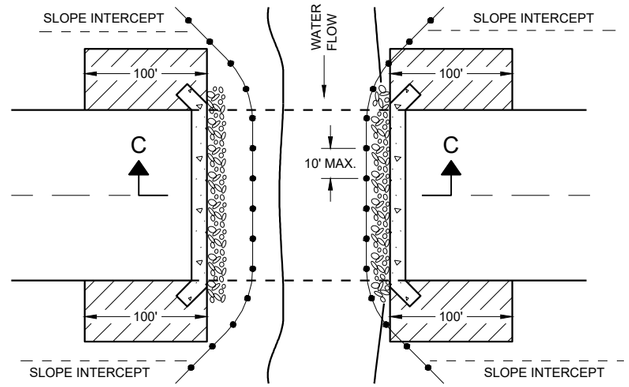
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(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.

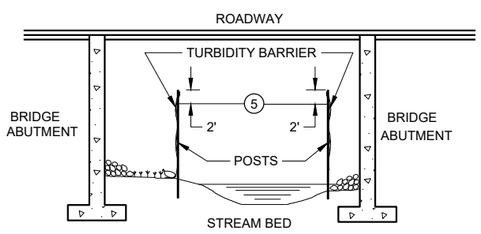
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(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

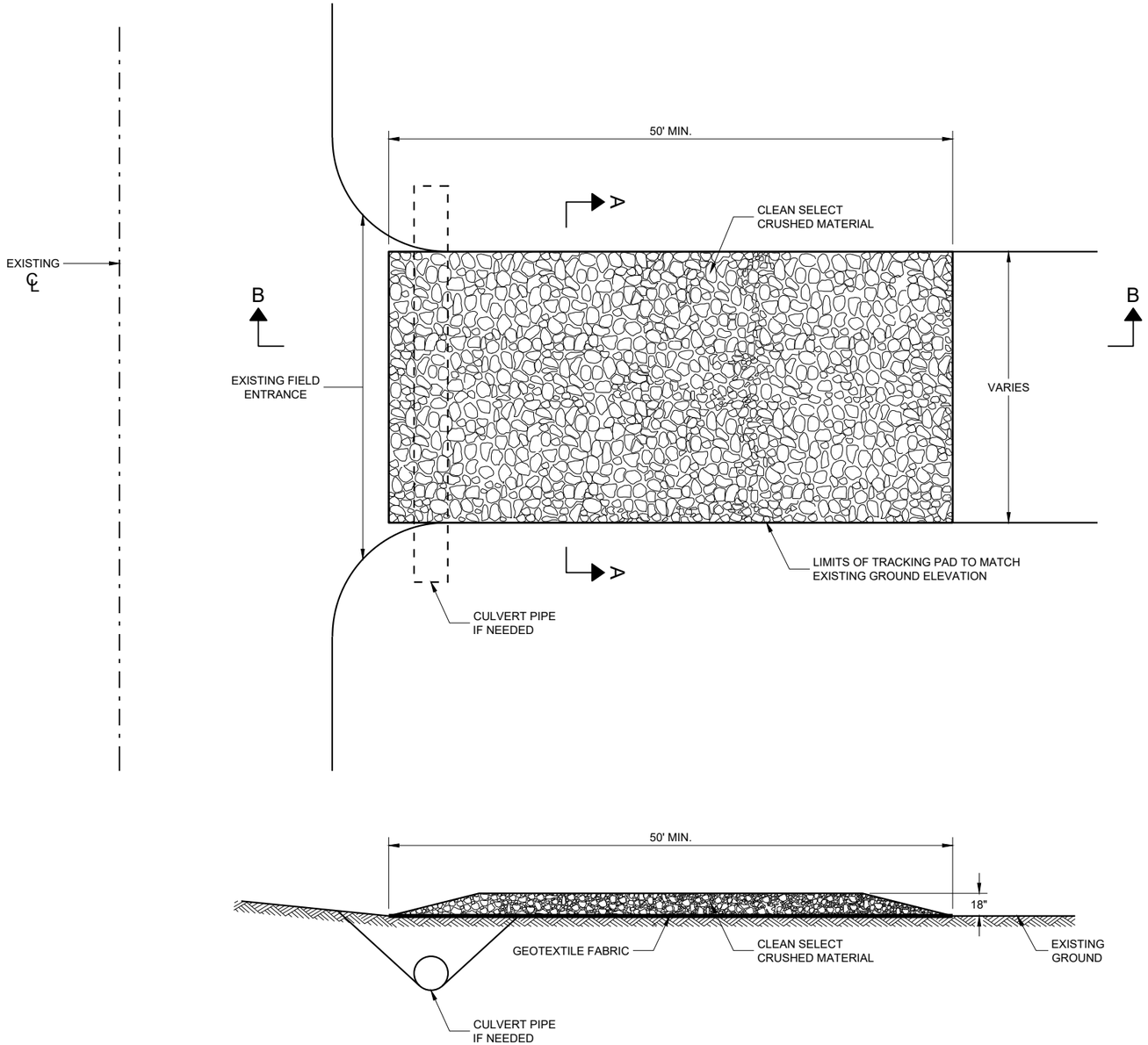
TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/4/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6
SDD 08E11 - 02



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

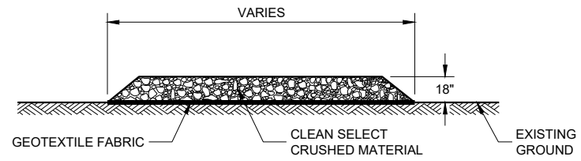
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

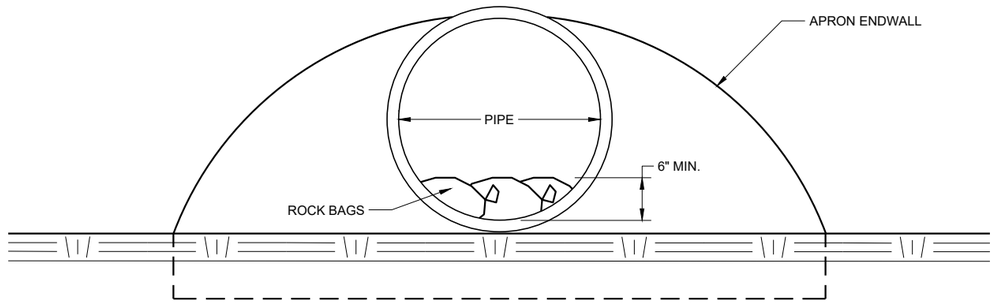
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

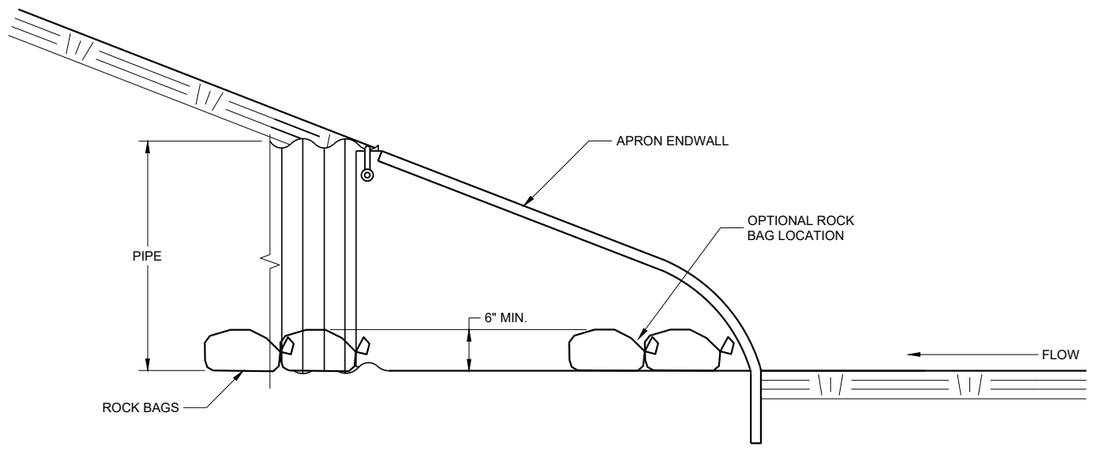
FHWA

6

SDD 08E14 - 01



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

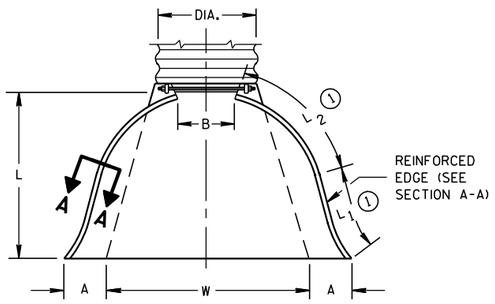
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

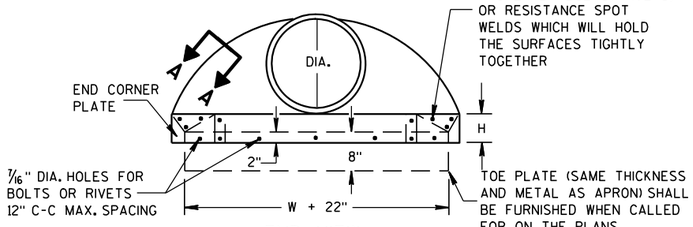
REINFORCED CONCRETE APRON ENDWALLS

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

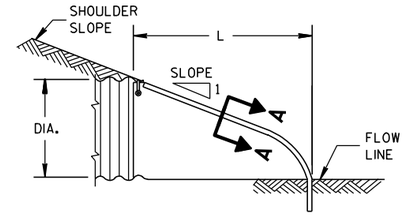
*MINIMUM
**MAXIMUM



PLAN VIEW

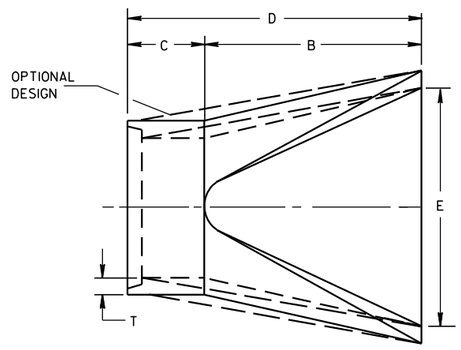


END VIEW

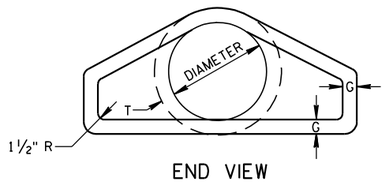


SIDE ELEVATION

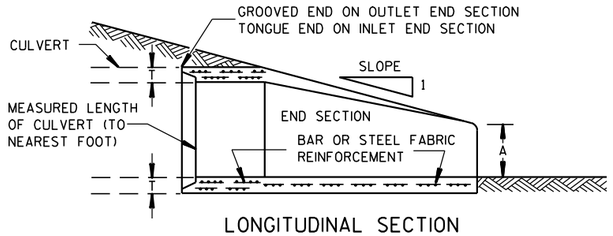
METAL ENDWALLS



PLAN

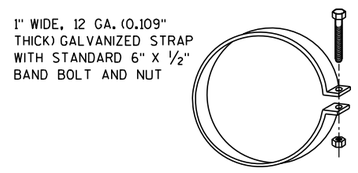


END VIEW



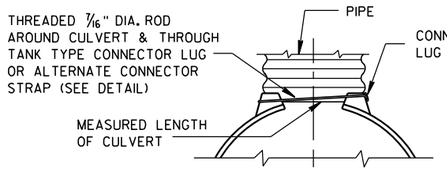
LONGITUDINAL SECTION

CONCRETE ENDWALLS

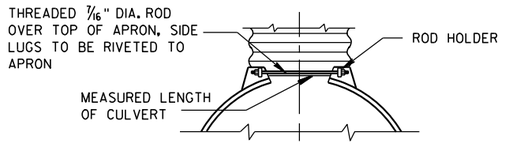


ALTERNATE FOR TYPE 1 CONNECTION

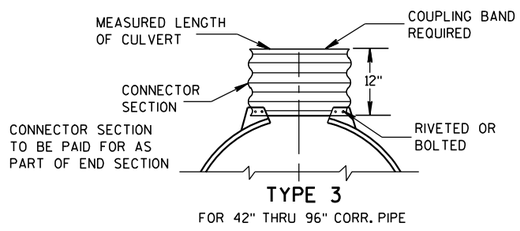
END SECTION CONNECTOR STRAP



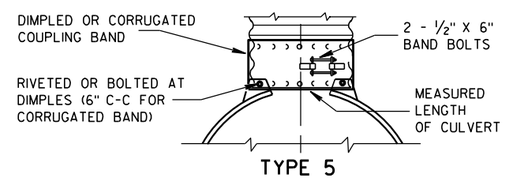
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

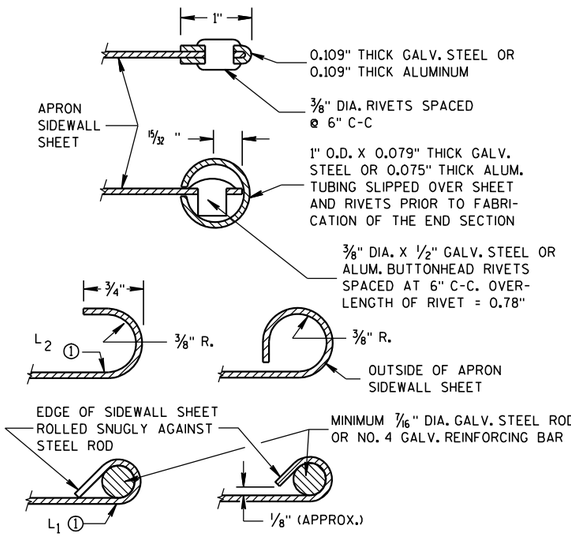
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

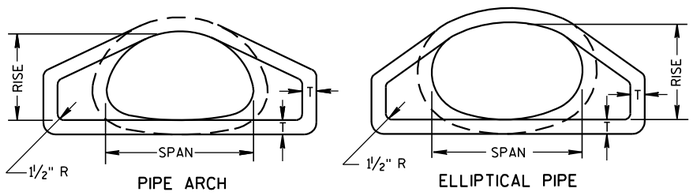
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

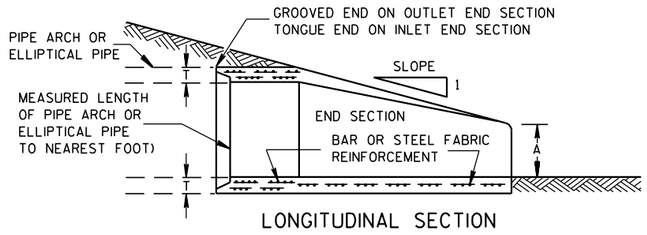
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

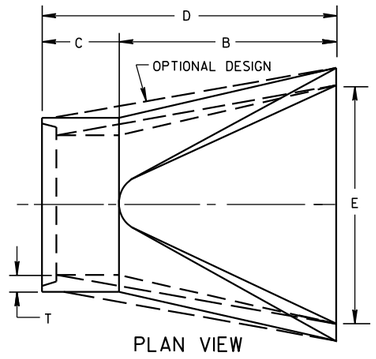
6
S.D.D. 8 F 1-11



END VIEW

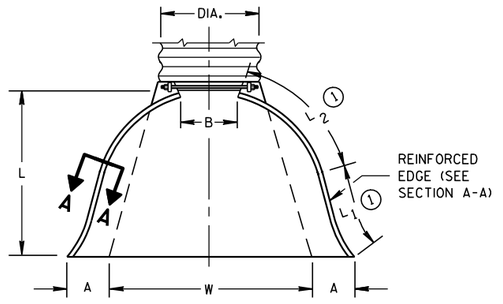


LONGITUDINAL SECTION

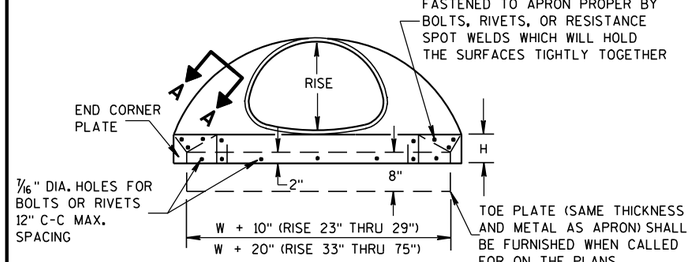


PLAN VIEW

CONCRETE ENDWALLS

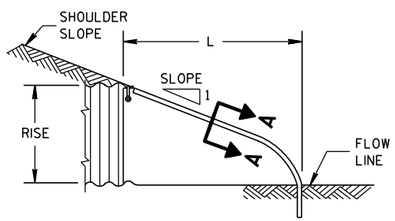


PLAN VIEW



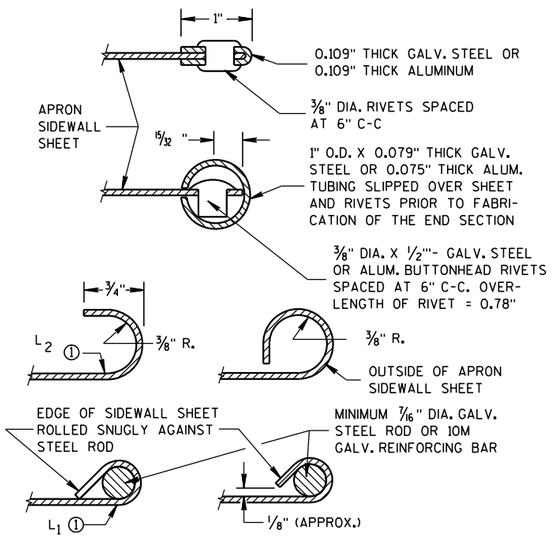
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

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

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

3" X 1" CORRUGATIONS

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

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

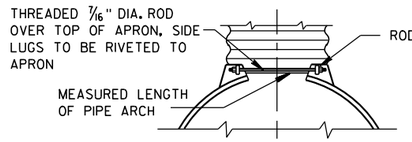
REINFORCED CONCRETE PIPE ARCH

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

REINFORCED CONCRETE ELLIPTICAL PIPE

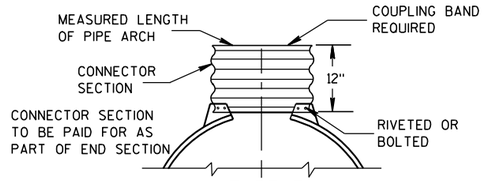
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



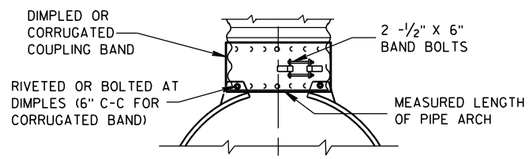
TYPE 2

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



TYPE 3

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



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

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

CONNECTION DETAILS

GENERAL NOTES

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

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

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

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

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

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

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

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

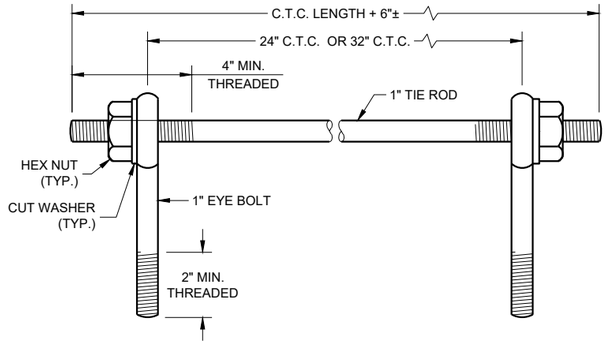
FHWA

6

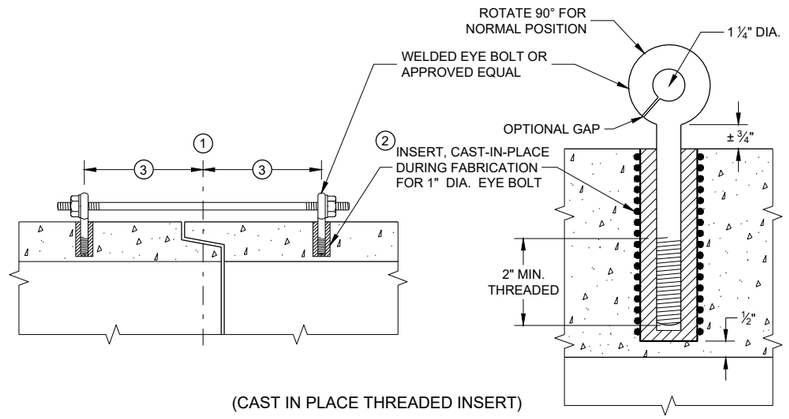
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

(1) 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.

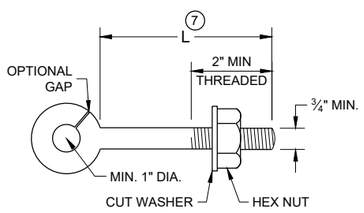
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

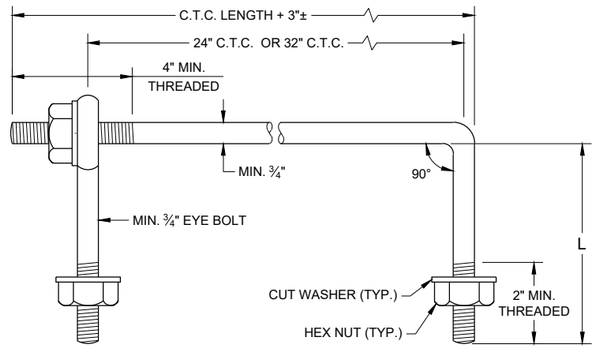
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

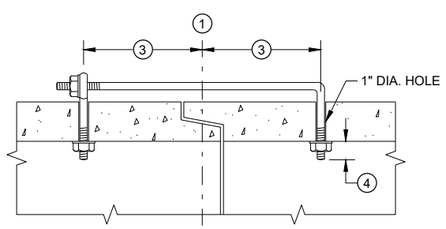


EYE BOLT (7)

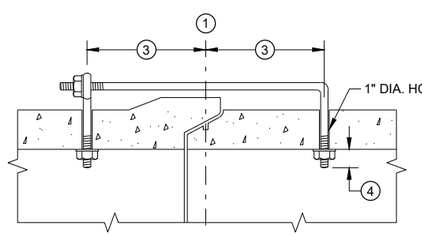
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

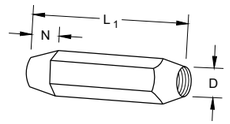
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

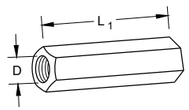
ADJUSTABLE TIE ROD TABLE

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



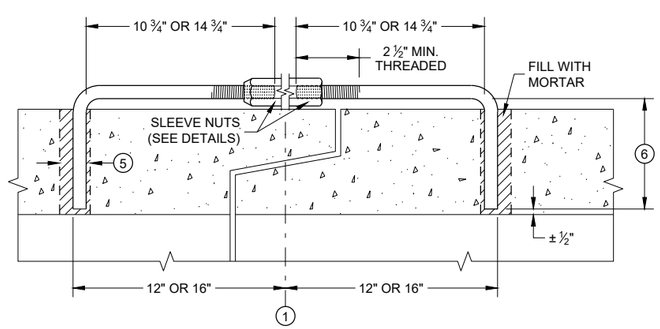
TAPERED



PLAIN

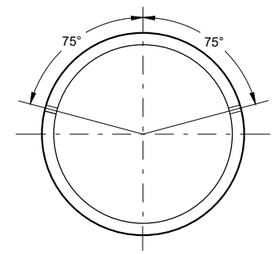
RIGHT AND LEFT THREADS

SLEEVE NUTS



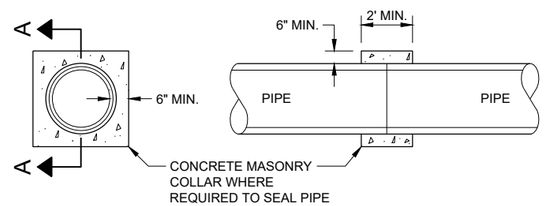
LONGITUDINAL SECTION

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

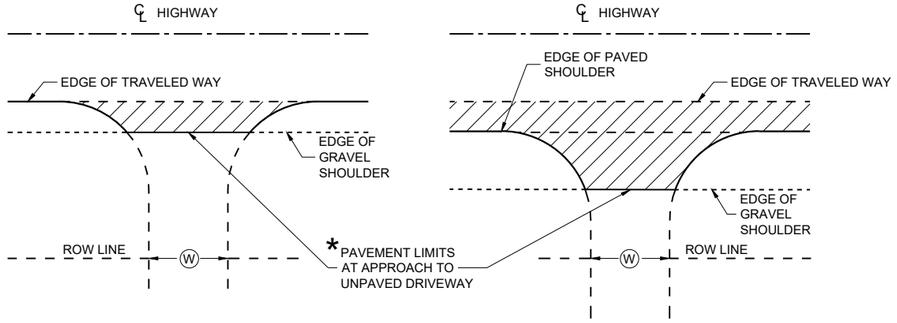
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

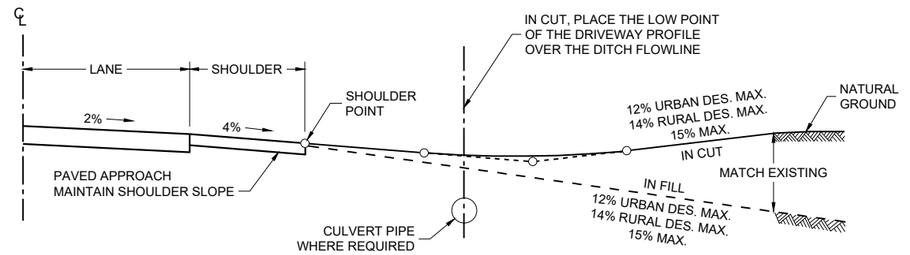


* WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

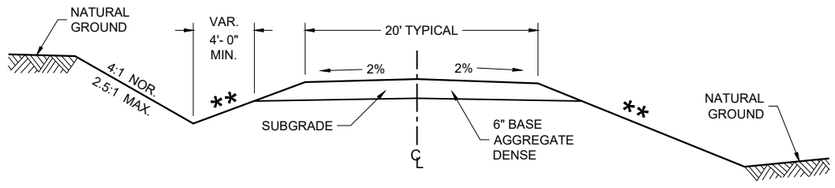
PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

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



TYPICAL DRIVEWAY PROFILES

Ⓦ : DRIVEWAY WIDTHS (MEASURED AT ROW LINE)
- ~ COMMERCIAL & INDUSTRIAL 16' MIN. - 35' MAX.
- ~ RESIDENTIAL & AGRICULTURAL (NONCOMMERCIAL) 16' MIN. - 24' MAX.

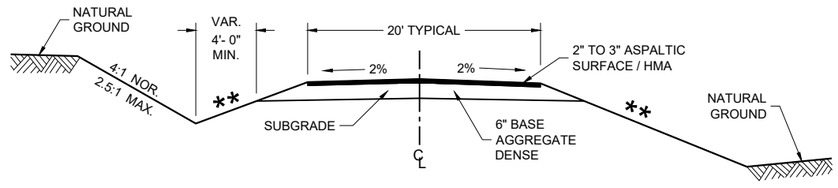


IN CUT **IN FILL**

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

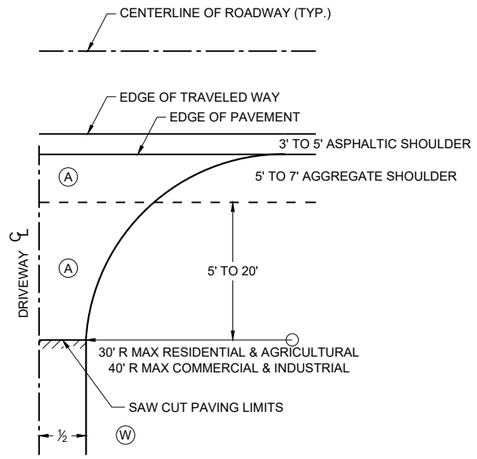
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

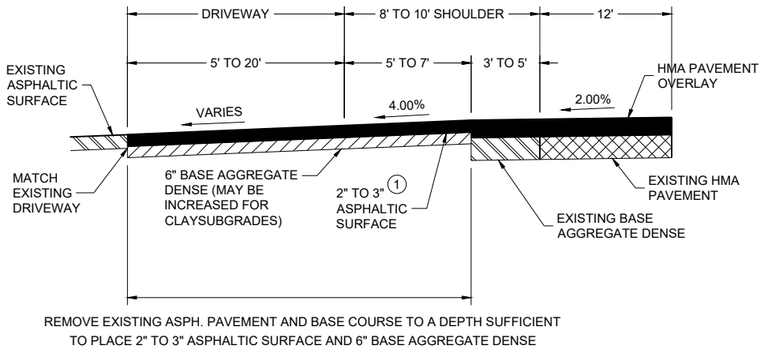
GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PLAN VIEW

HALF SECTION



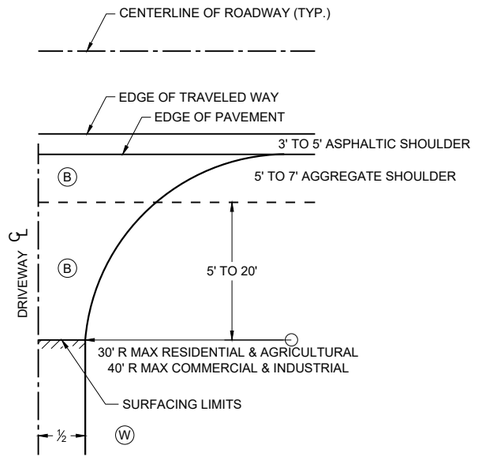
PROFILE VIEW

RURAL ENTRANCE WITH ASPHALTIC SURFACE RESURFACING PROJECTS

(A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)

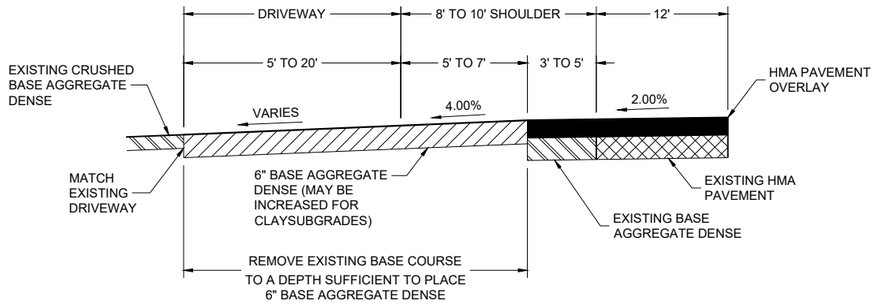
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 1/4" (TON)

(W) : DRIVEWAY WIDTHS (MEASURED AT ROW LINE)
- ~ COMMERCIAL & INDUSTRIAL 16' MIN. - 35' MAX.
- ~ RESIDENTIAL & AGRICULTURAL (NONCOMMERCIAL) 16' MIN. - 24' MAX.



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE 6" BASE AGGREGATE DENSE RESURFACING PROJECTS

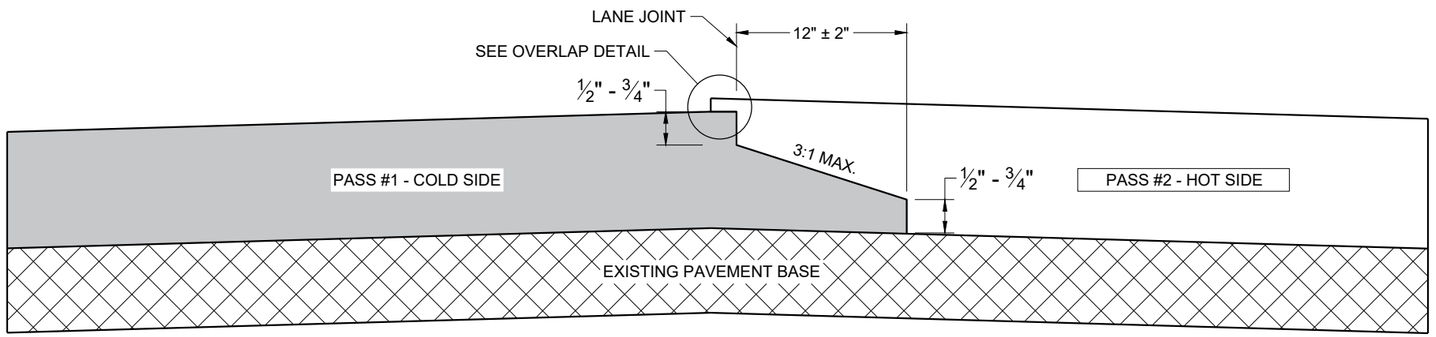
DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

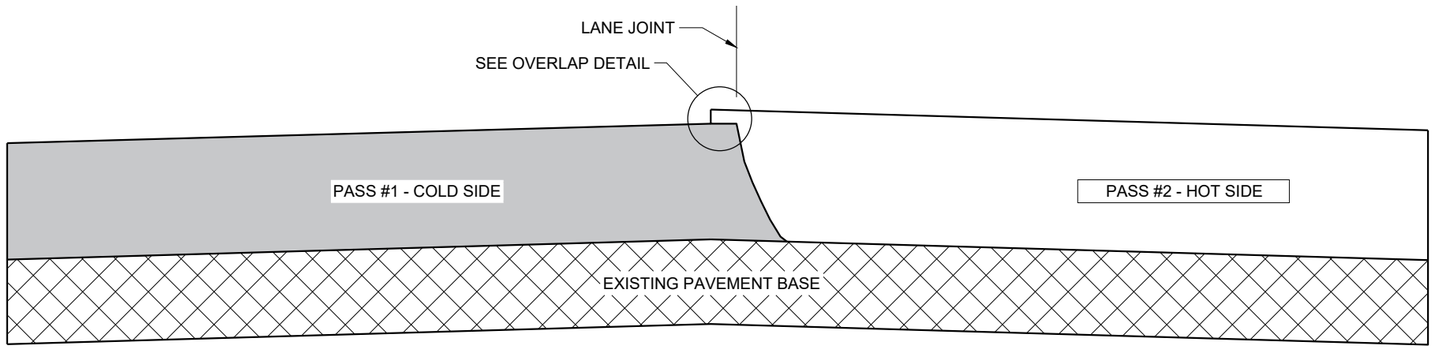
APPROVED
November 2025 (DATE)
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

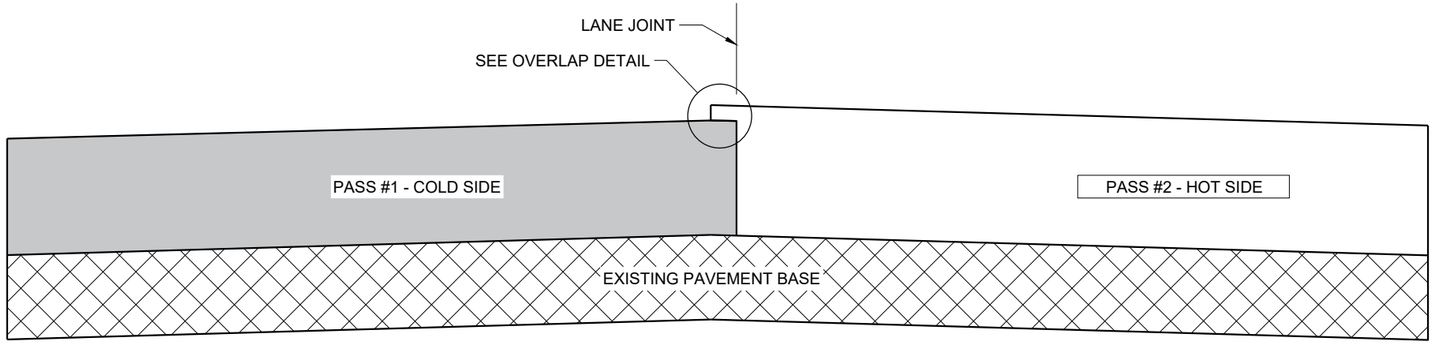
6
SDD 09A15-01



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

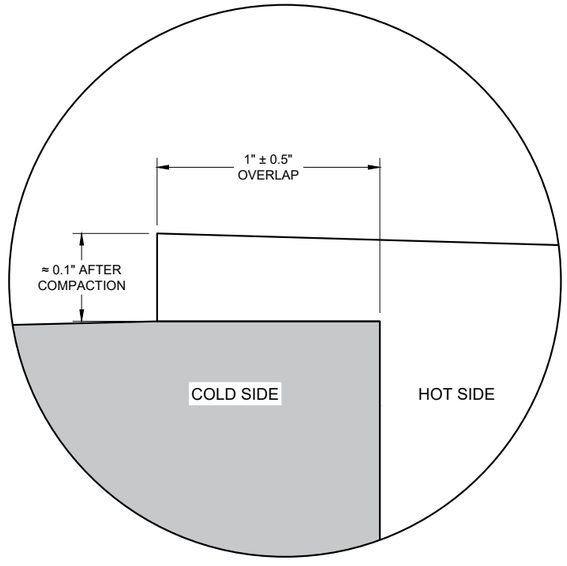
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

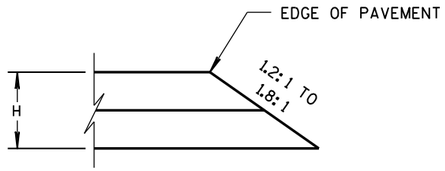
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

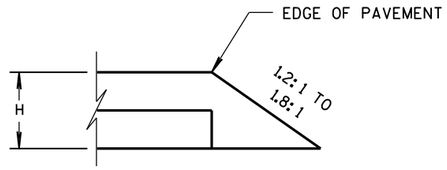
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



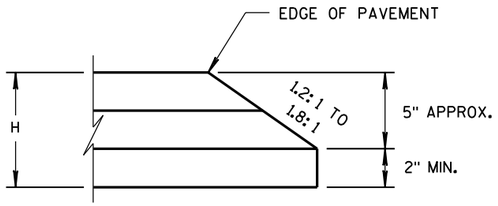
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



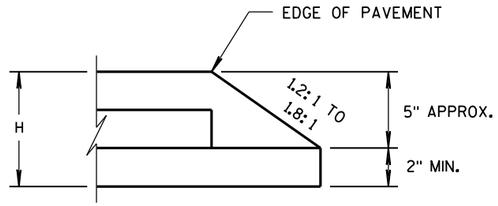
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

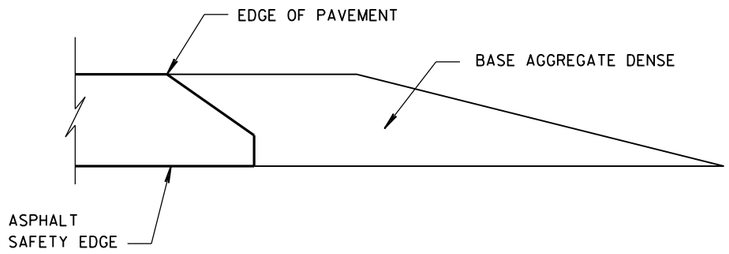
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

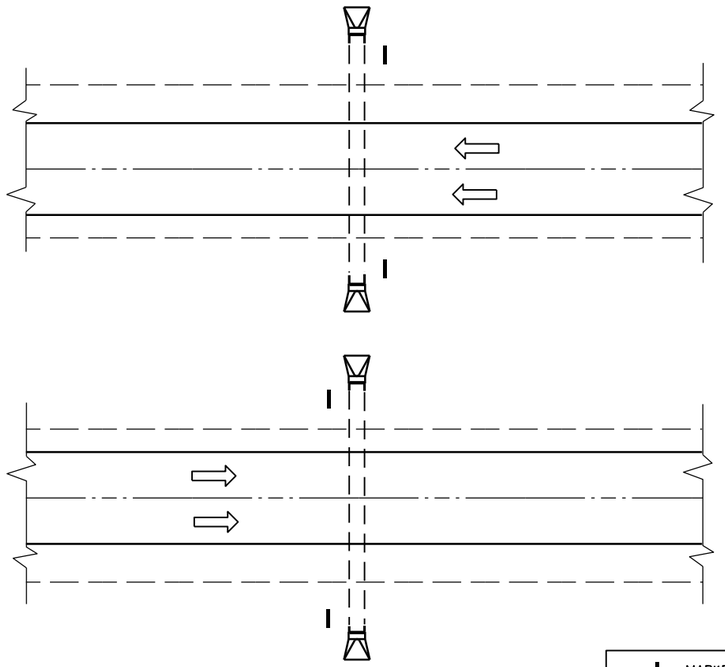
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

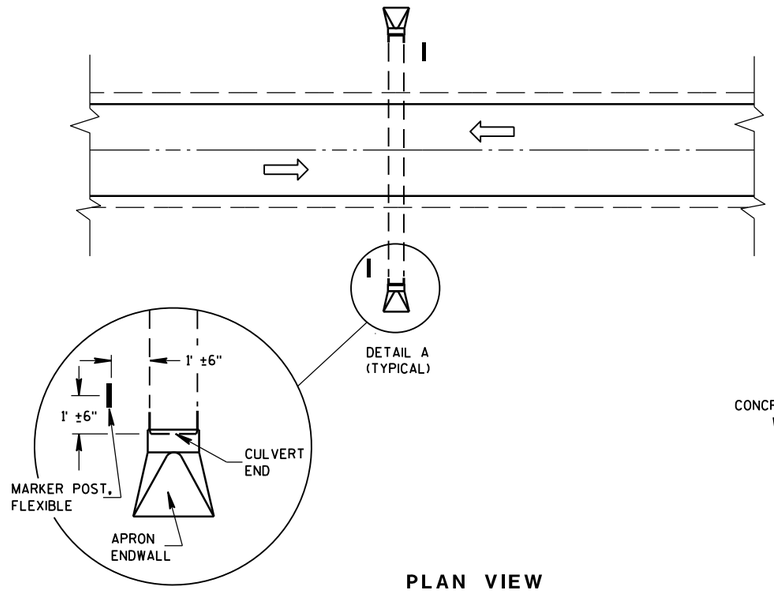
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

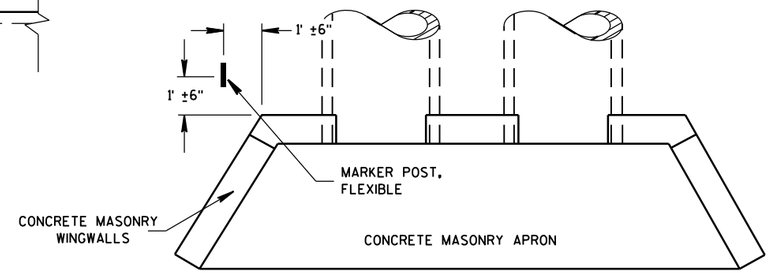
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

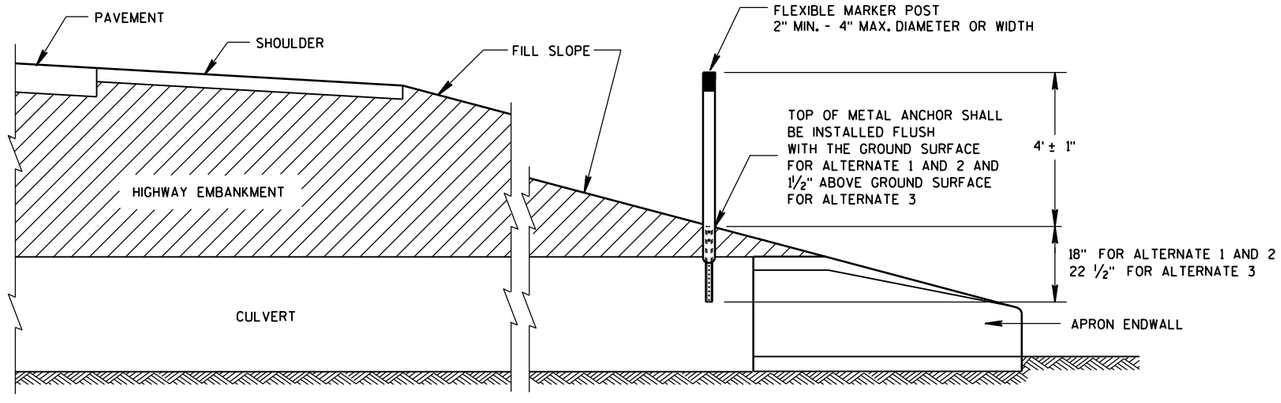
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

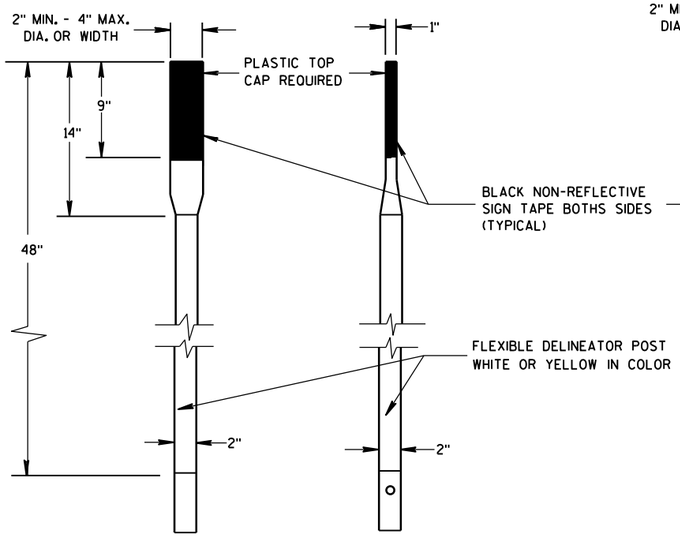
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

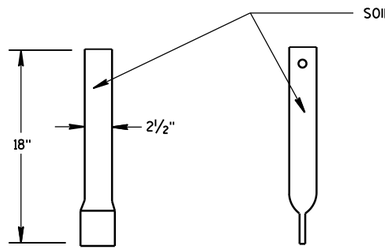
6

S.D.D. 15 A 3-2a

6

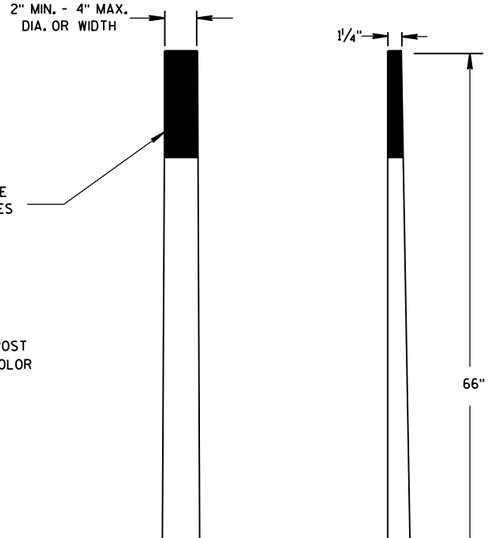
S.D.D. 15 A 3-2a





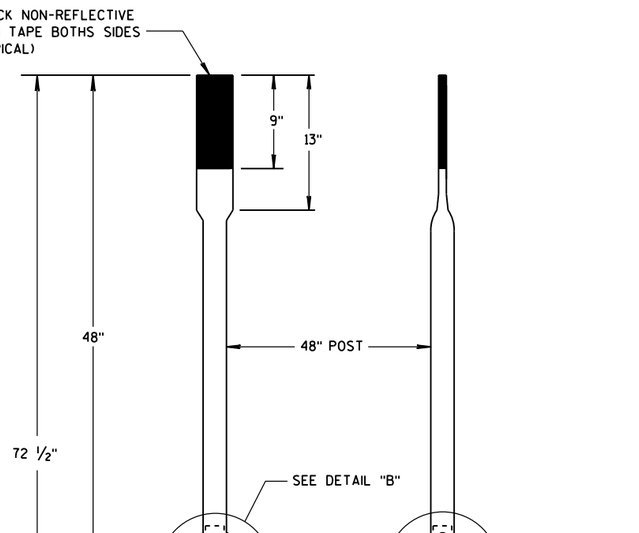
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

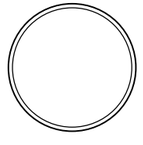
ALTERNATE 2



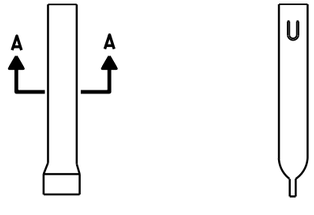
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

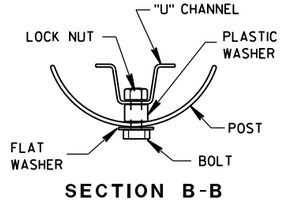


SECTION A-A

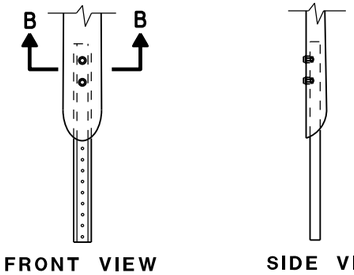


FRONT VIEW SIDE VIEW

ALTERNATE 1

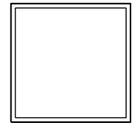


SECTION B-B

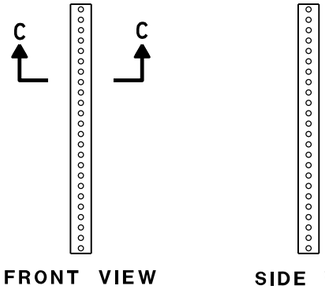


FRONT VIEW SIDE VIEW

ALTERNATE 2



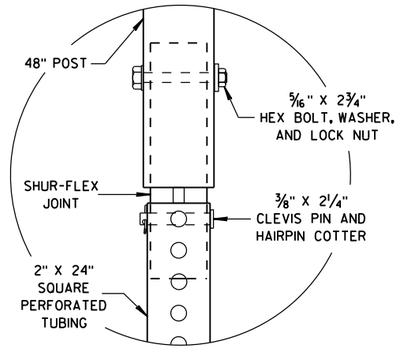
SECTION C-C



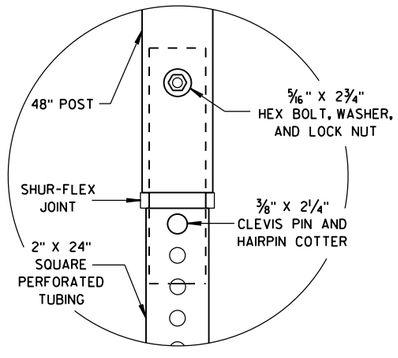
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

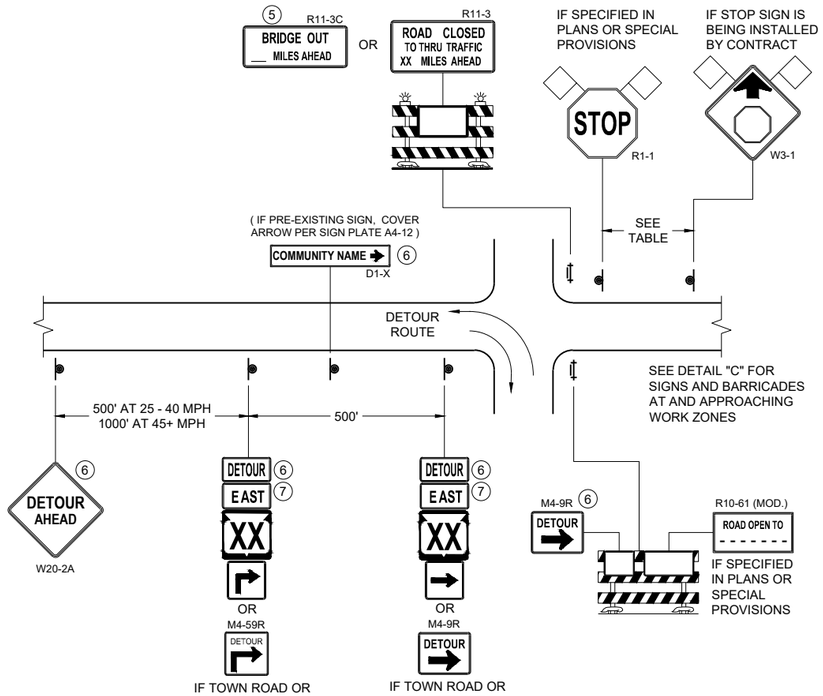
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

6

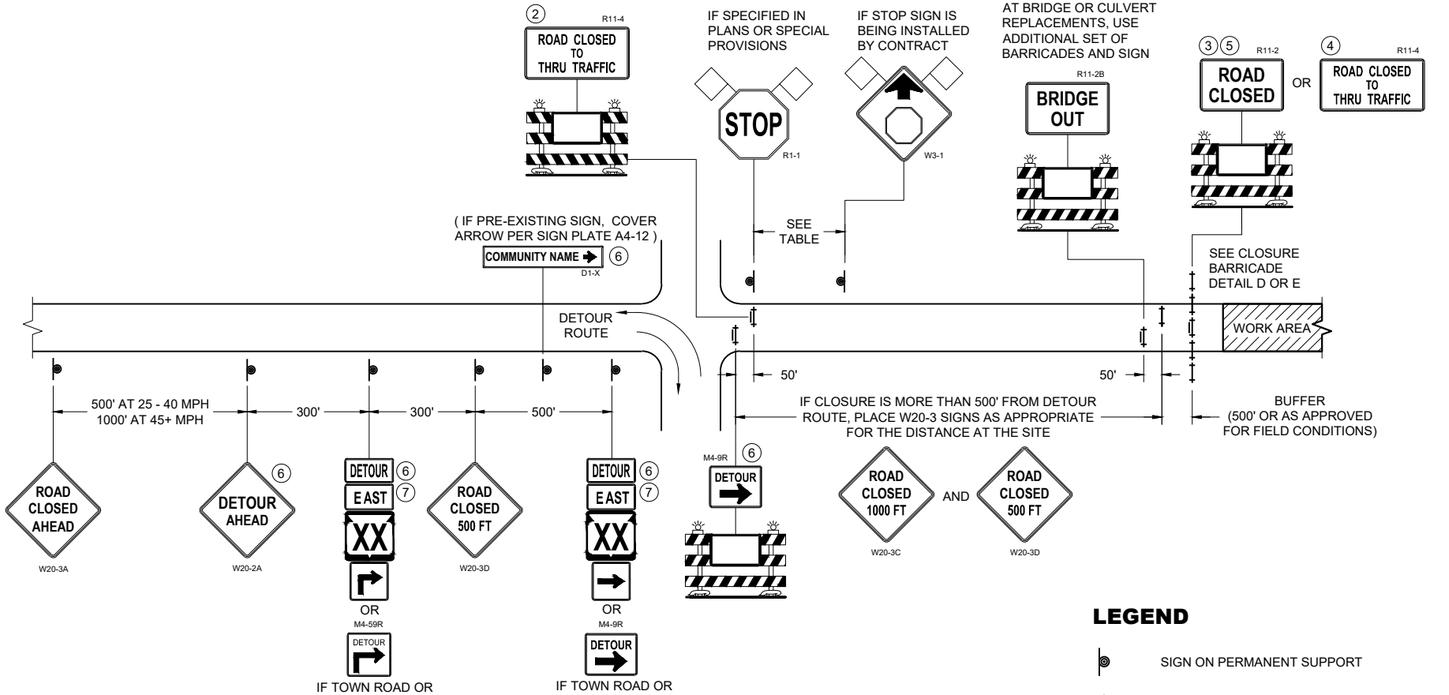
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 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)

LEGEND

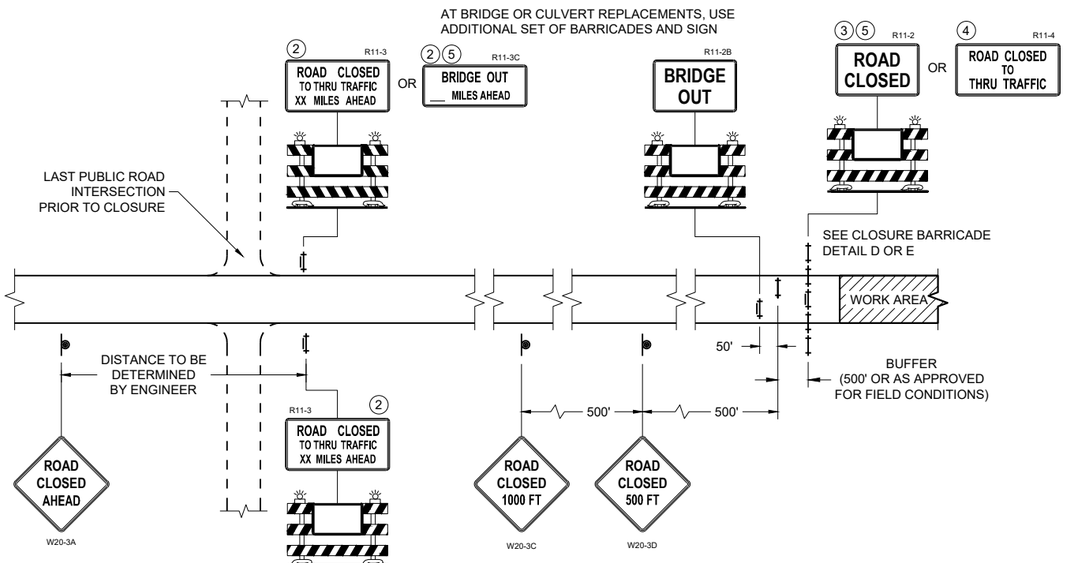
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8

EAST M3 - X

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M06 - 1



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)

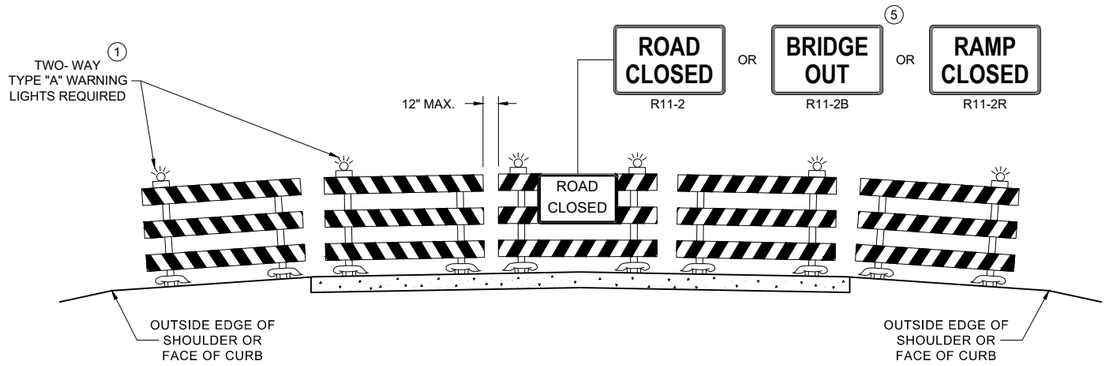
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

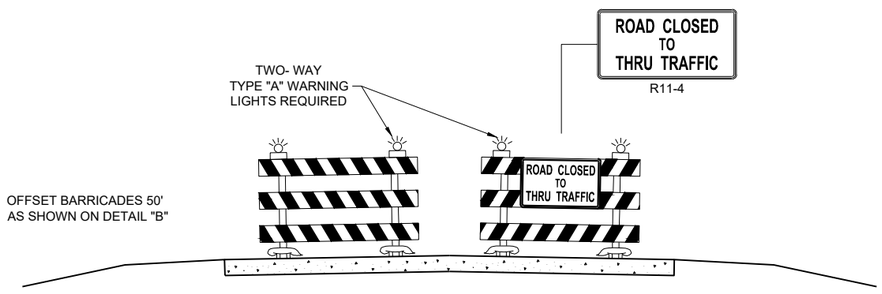
6
SDD 15C02-10a



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.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.

"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"

SIGNS PLACED ON TYPE III BARRICADES THAT ARE SIZES OTHER THAN 48"X30" SHALL HAVE A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE.

(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
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15C02-10b

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 M4 - 8
- EAST 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.

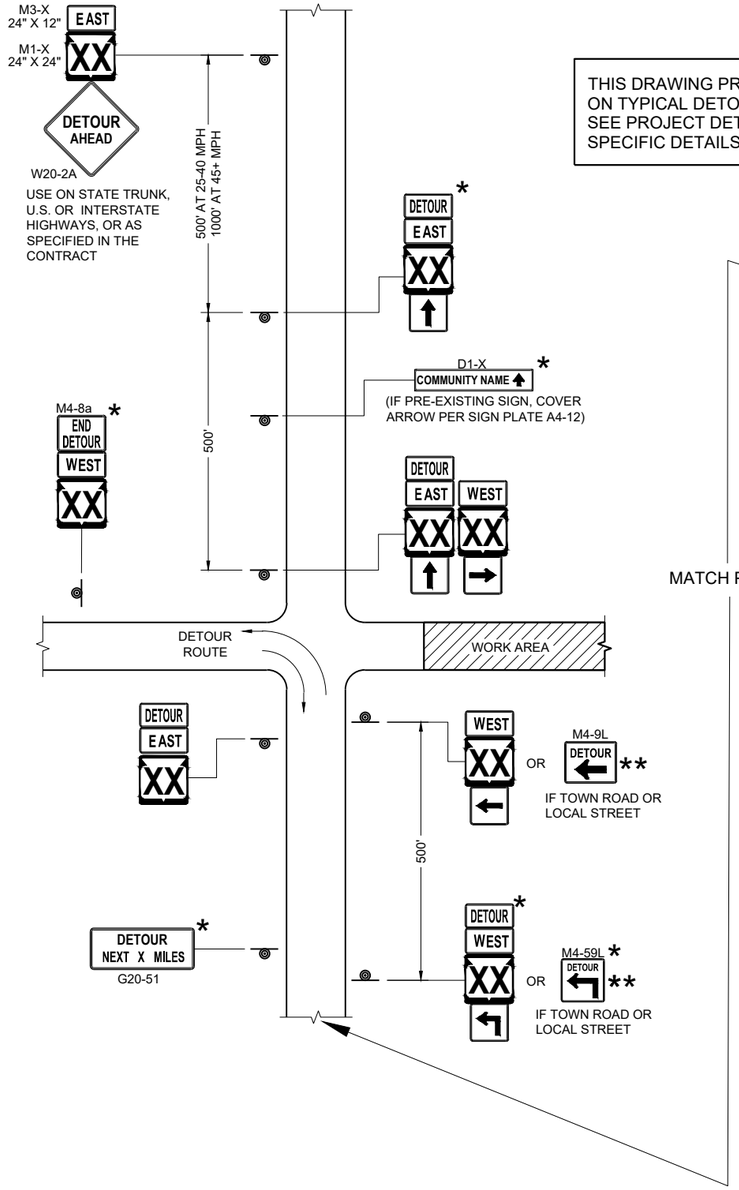
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

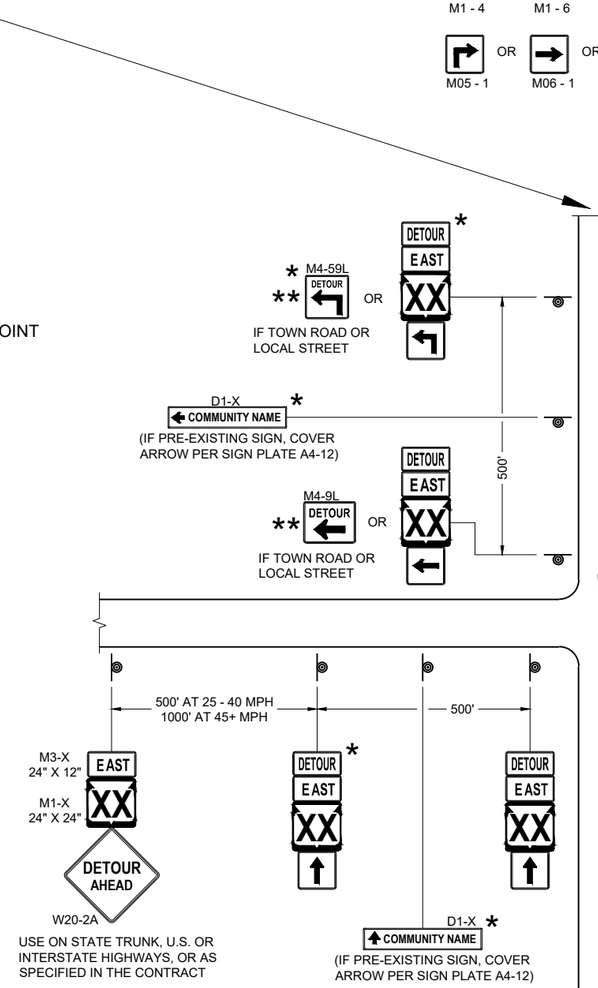
SIGN SIZES SHALL BE AS FOLLOWS:

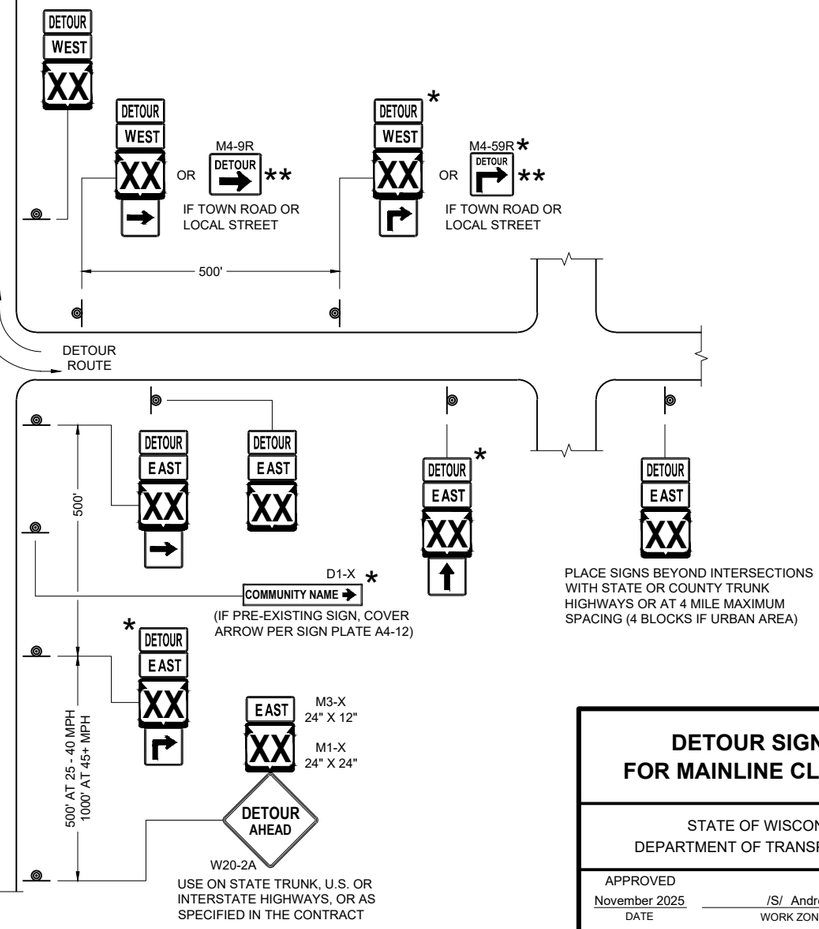
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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

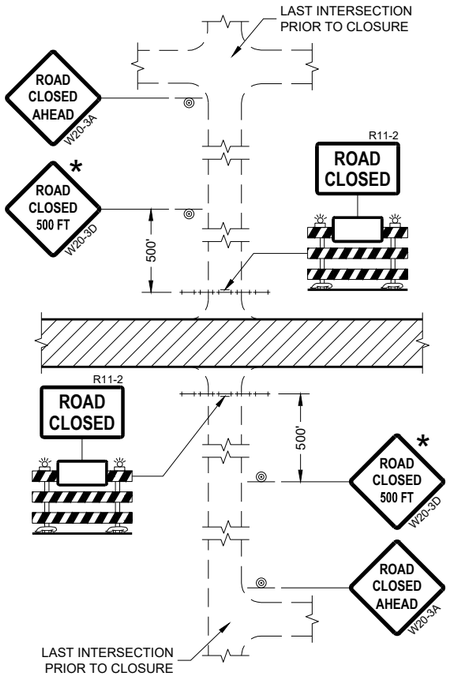
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

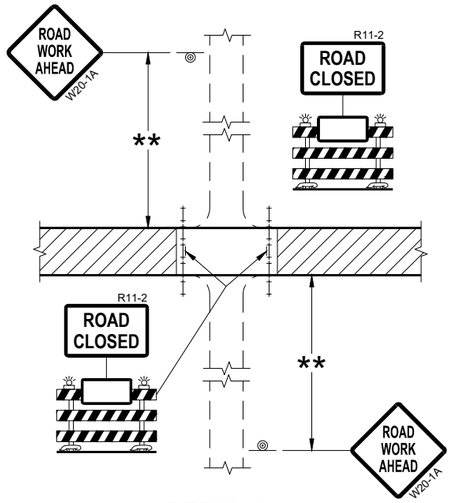
FHWA

6

SDD 15C02-10c



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.

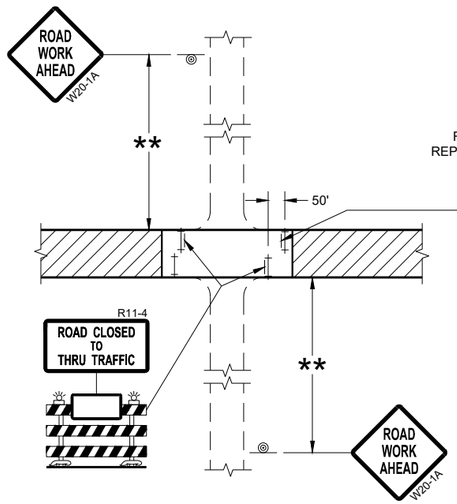
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

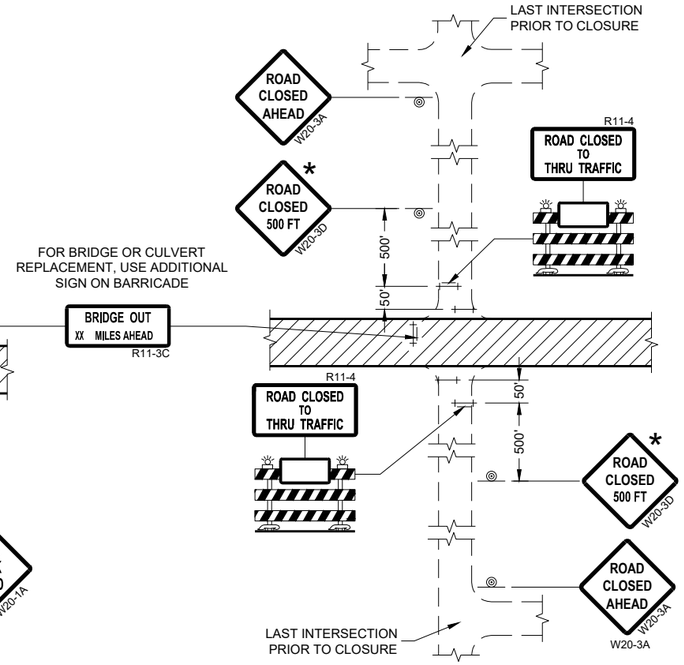
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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 ENGINEER

FHWA

6

SDD 15C03 - 05

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.

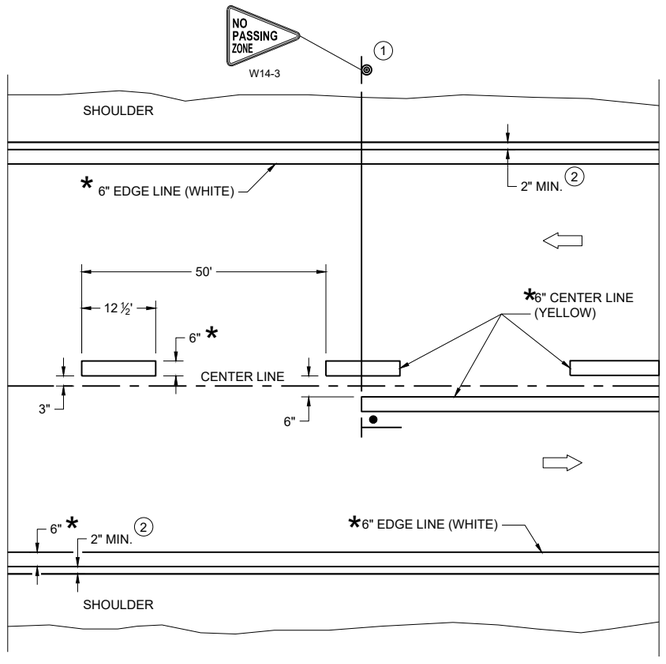
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

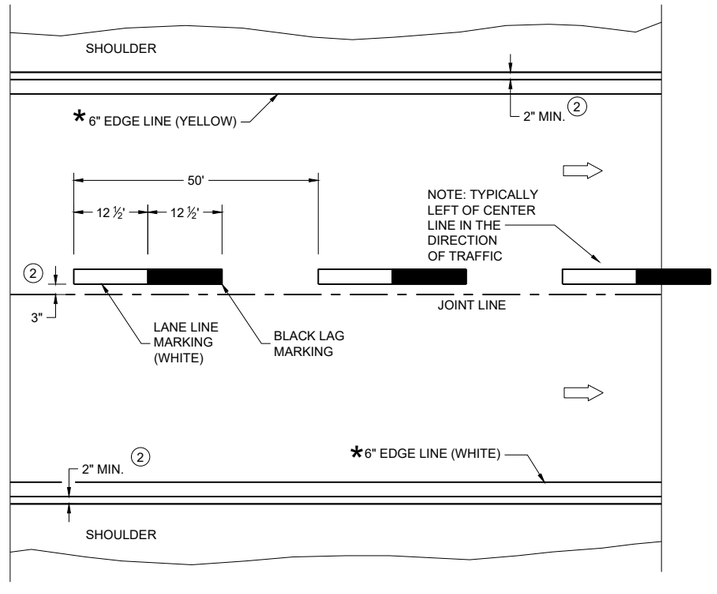
"T" MARKING

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

6
SDD 15C08-24a

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

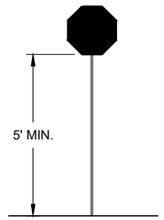
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



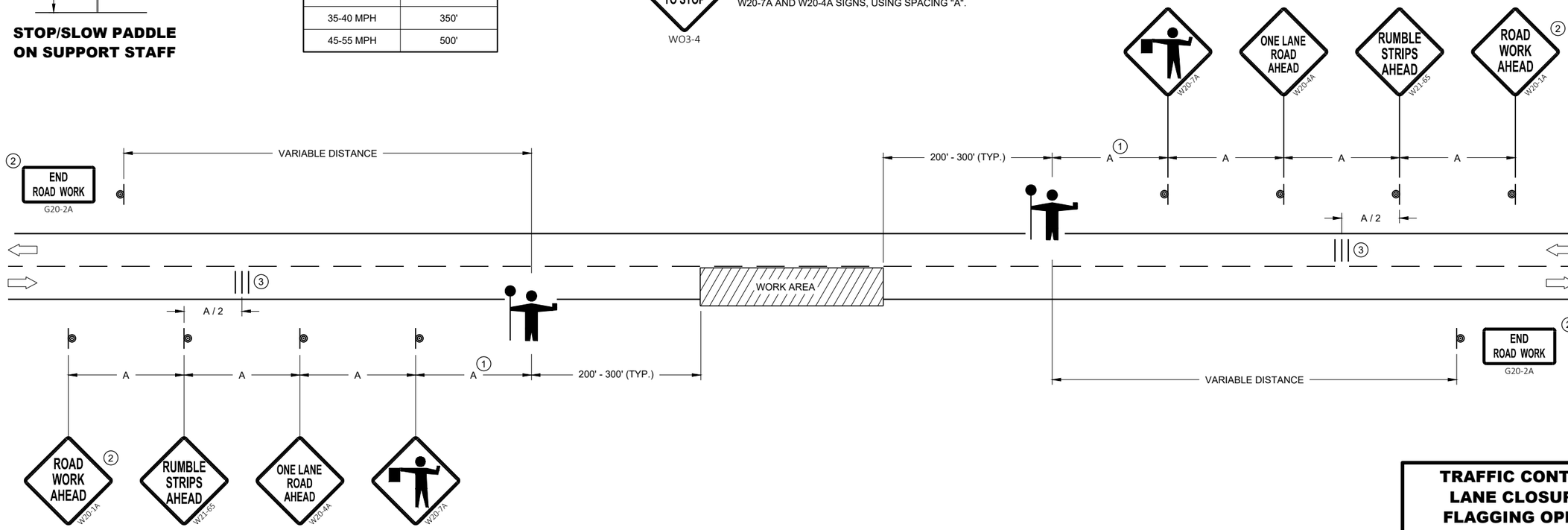
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

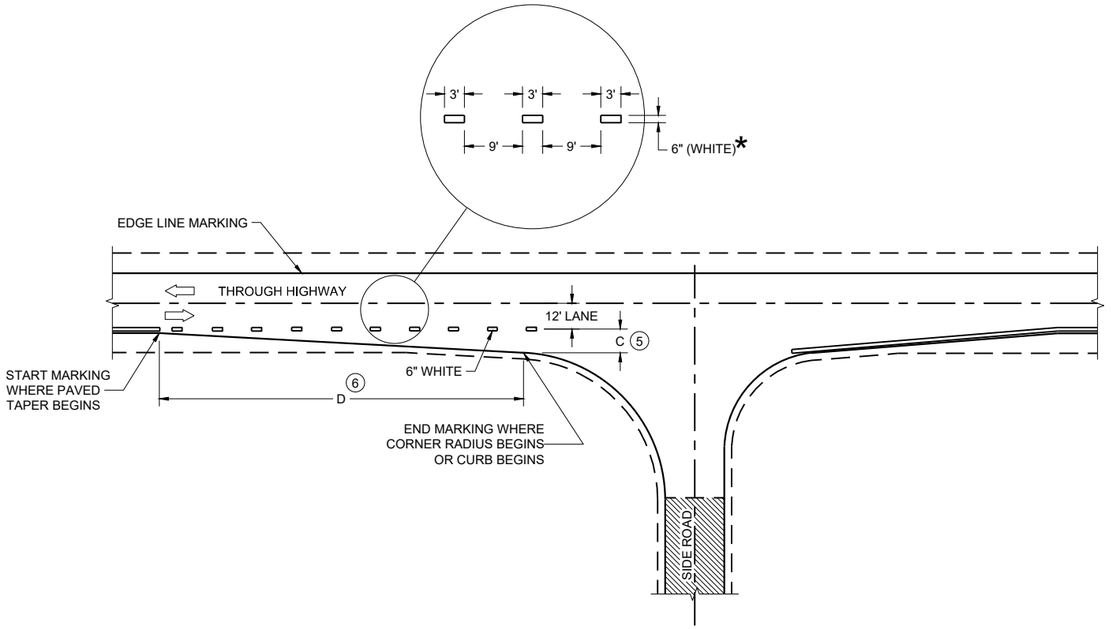
FHWA

6

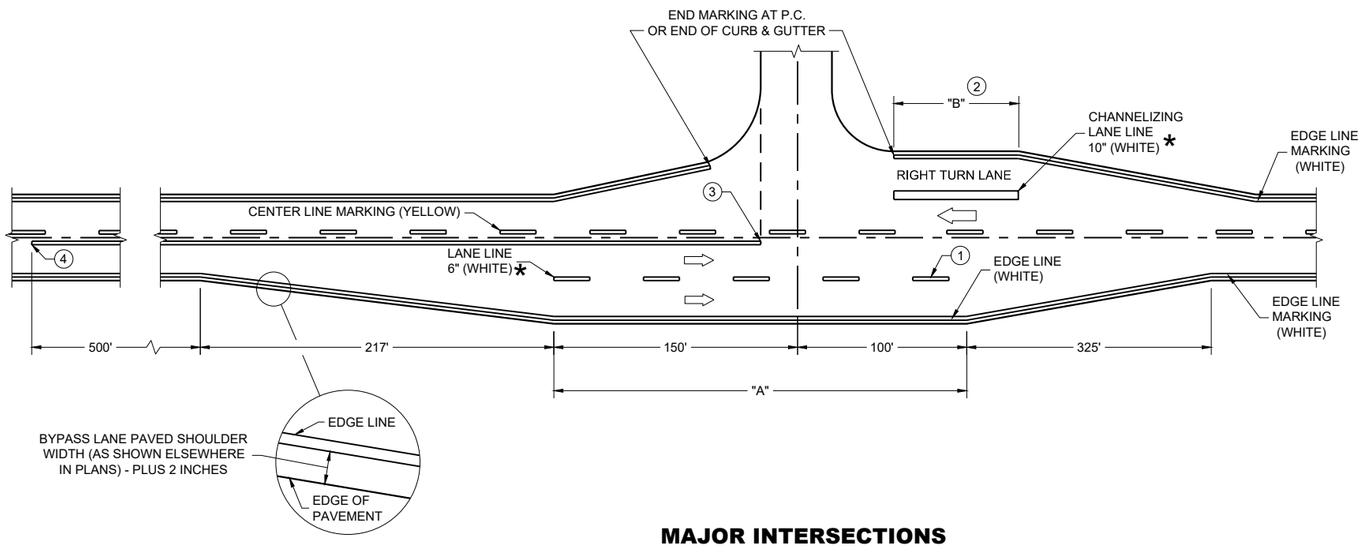
SDD 15C12 - 09a

6

SDD 15C12 - 09a



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

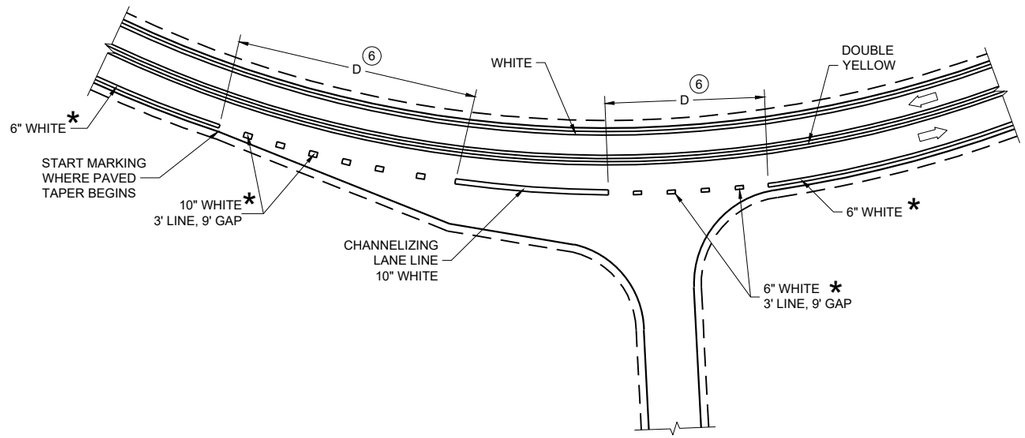
GENERAL NOTES

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



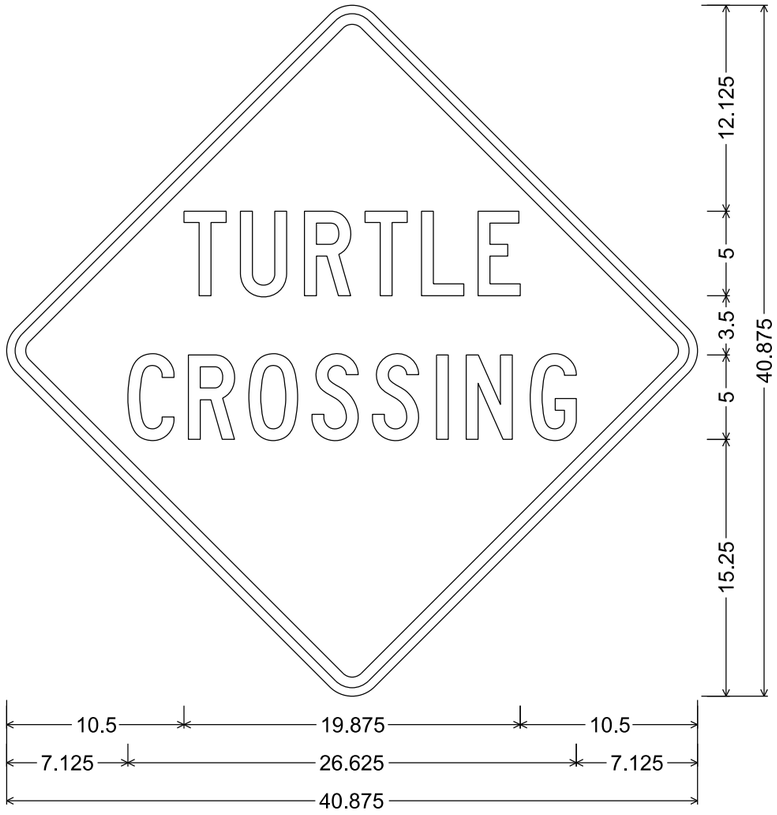
INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



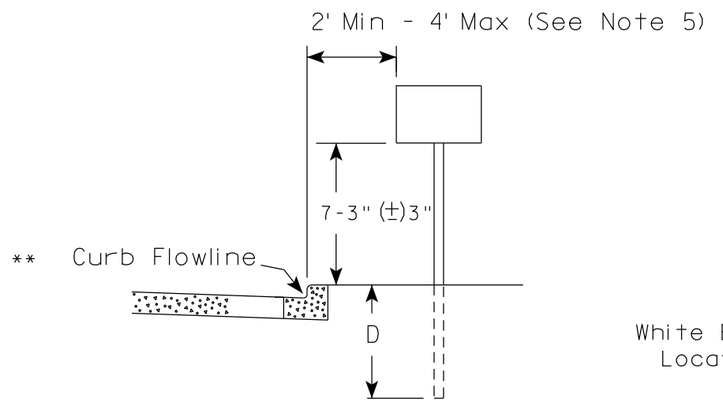
30.000" across sides 1.875" Radius, 0.625" Border, 0.500" Indent

7

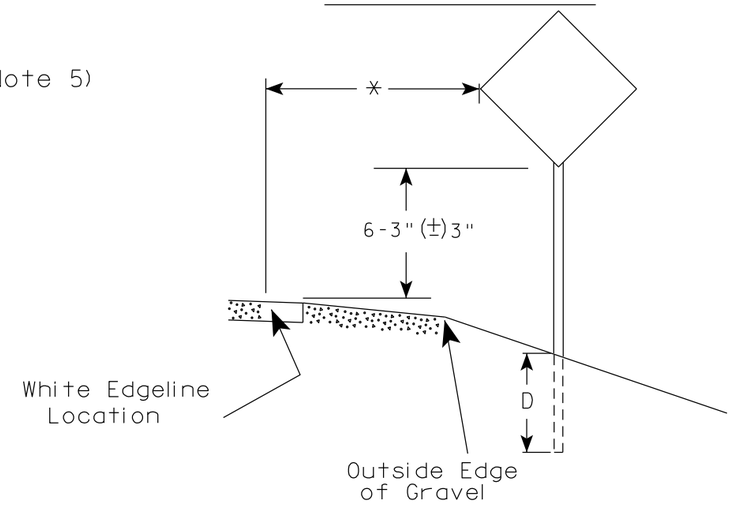
7

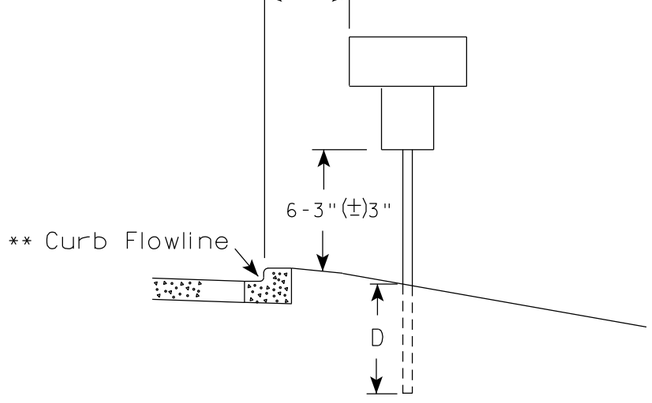
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	PERMANENT SIGNING	SHEET NO: 101	E

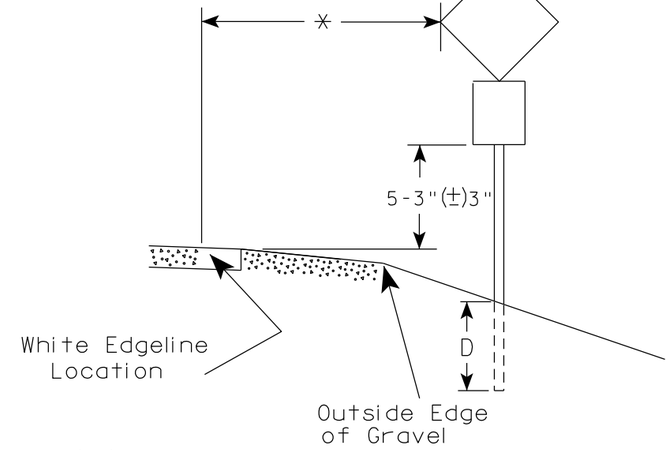
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on 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.

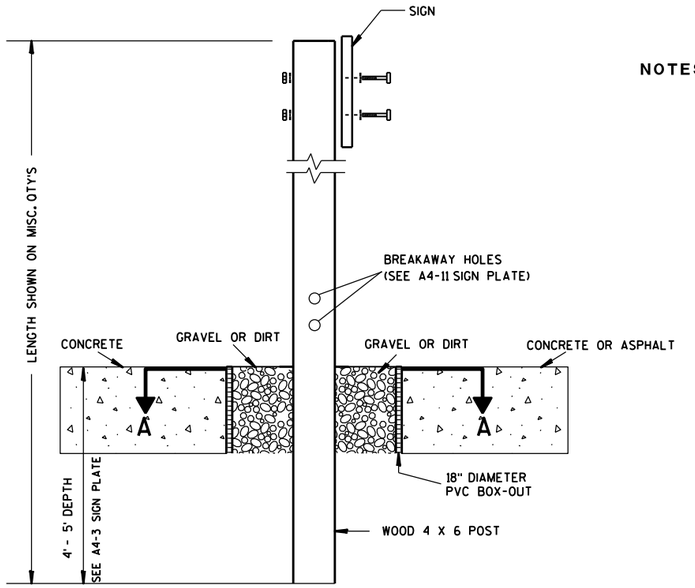
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

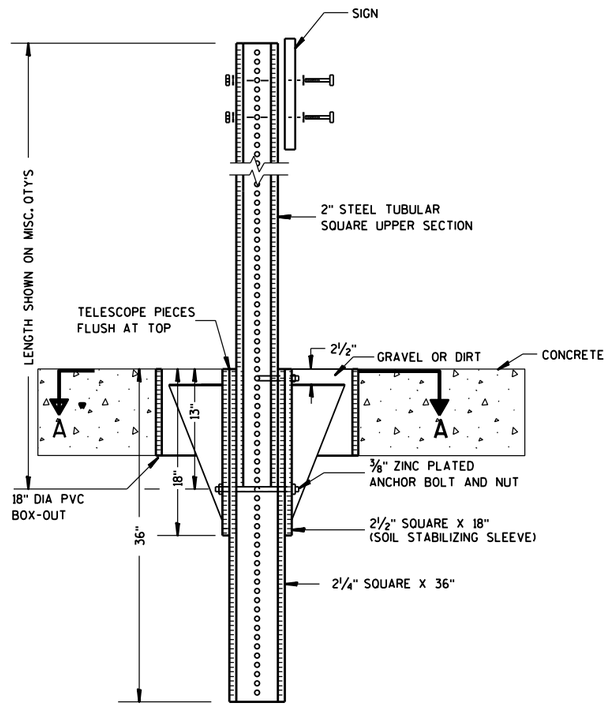
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 102	E



ELEVATION VIEW

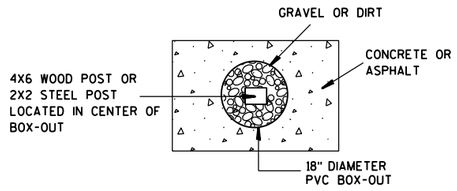
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

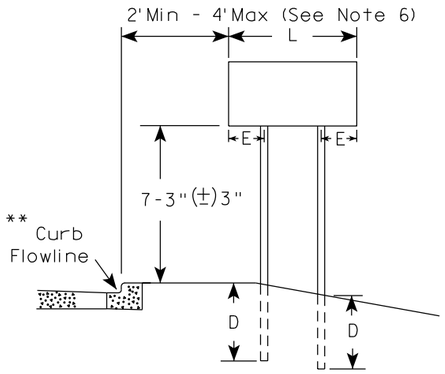
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

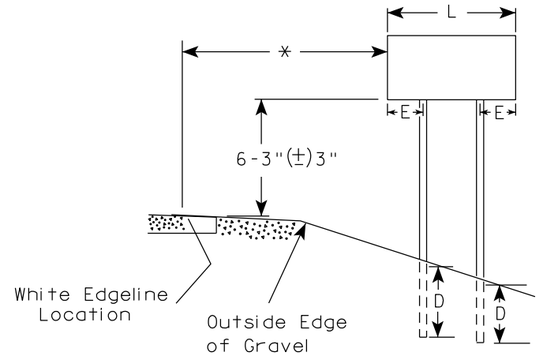
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

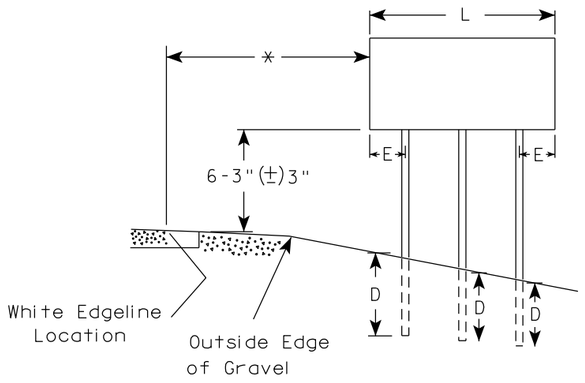
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

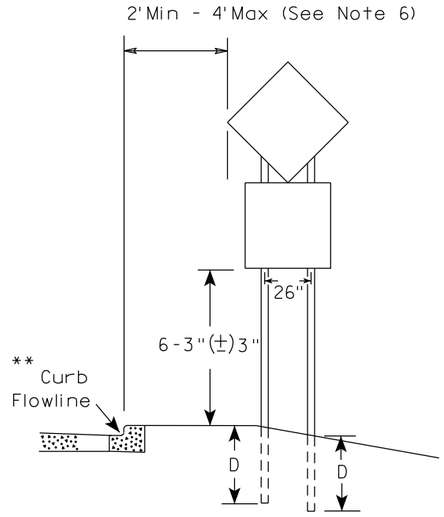
URBAN AREA



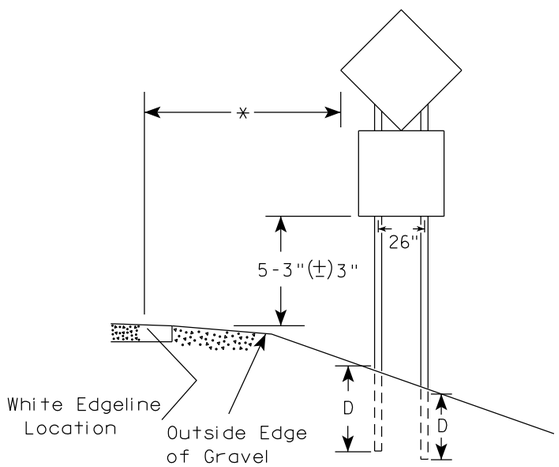
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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'

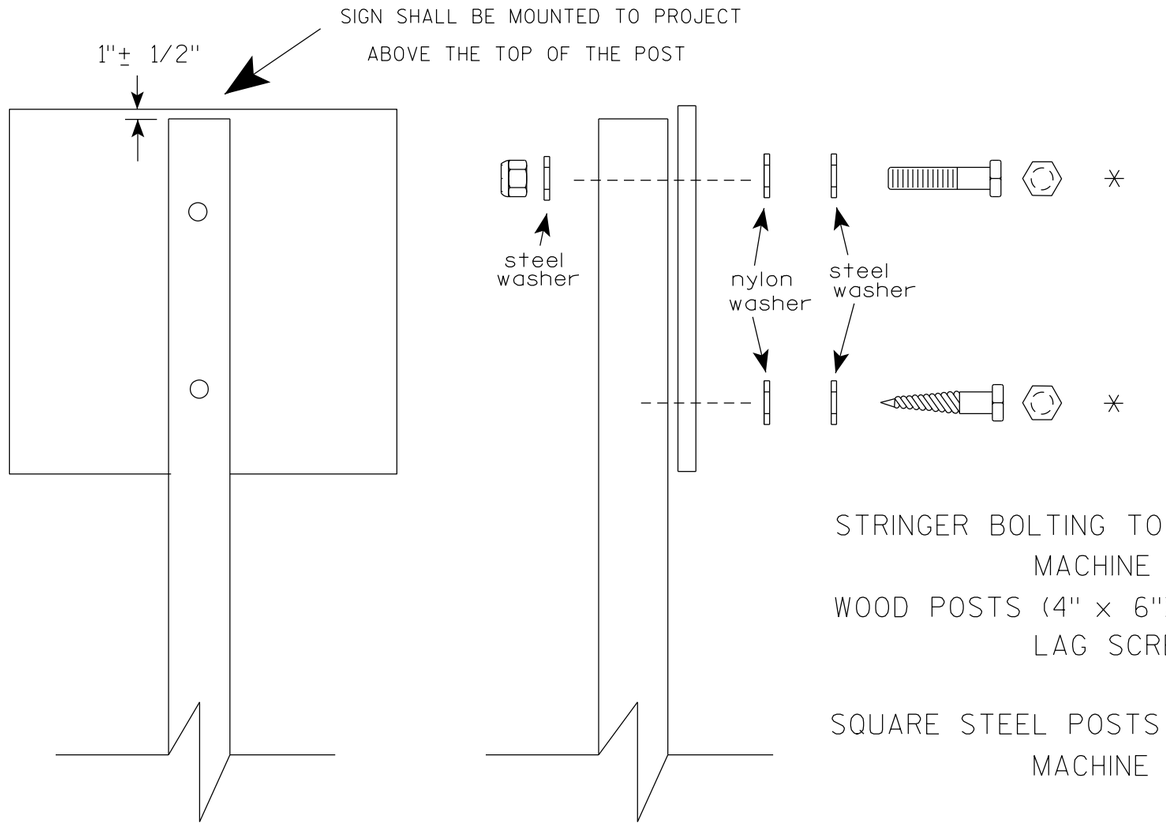
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 104	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

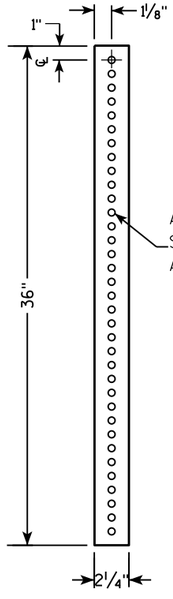
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

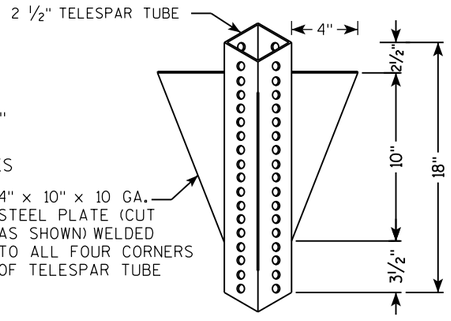
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

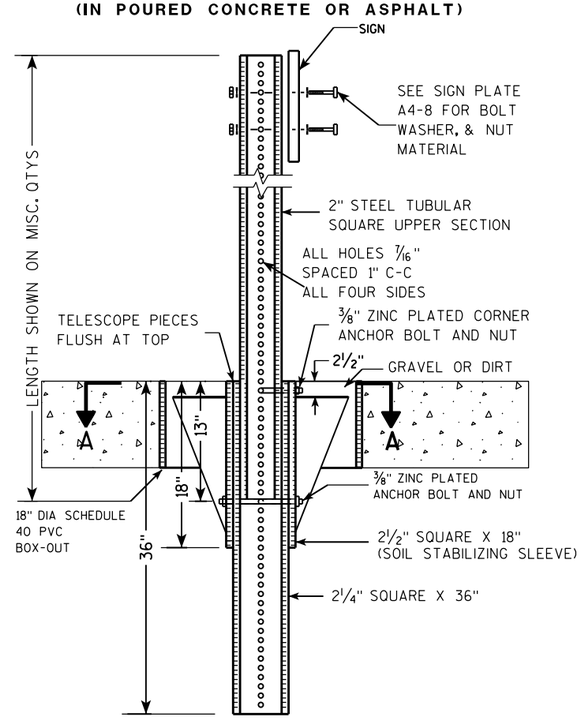
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



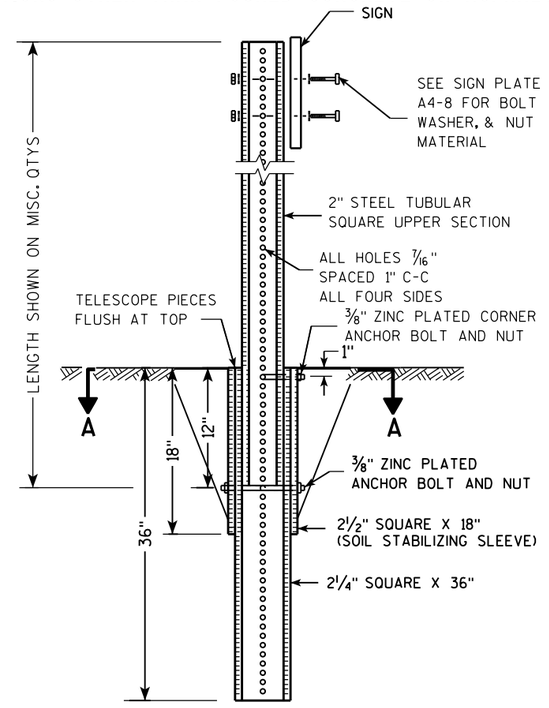
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

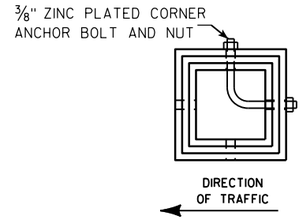


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

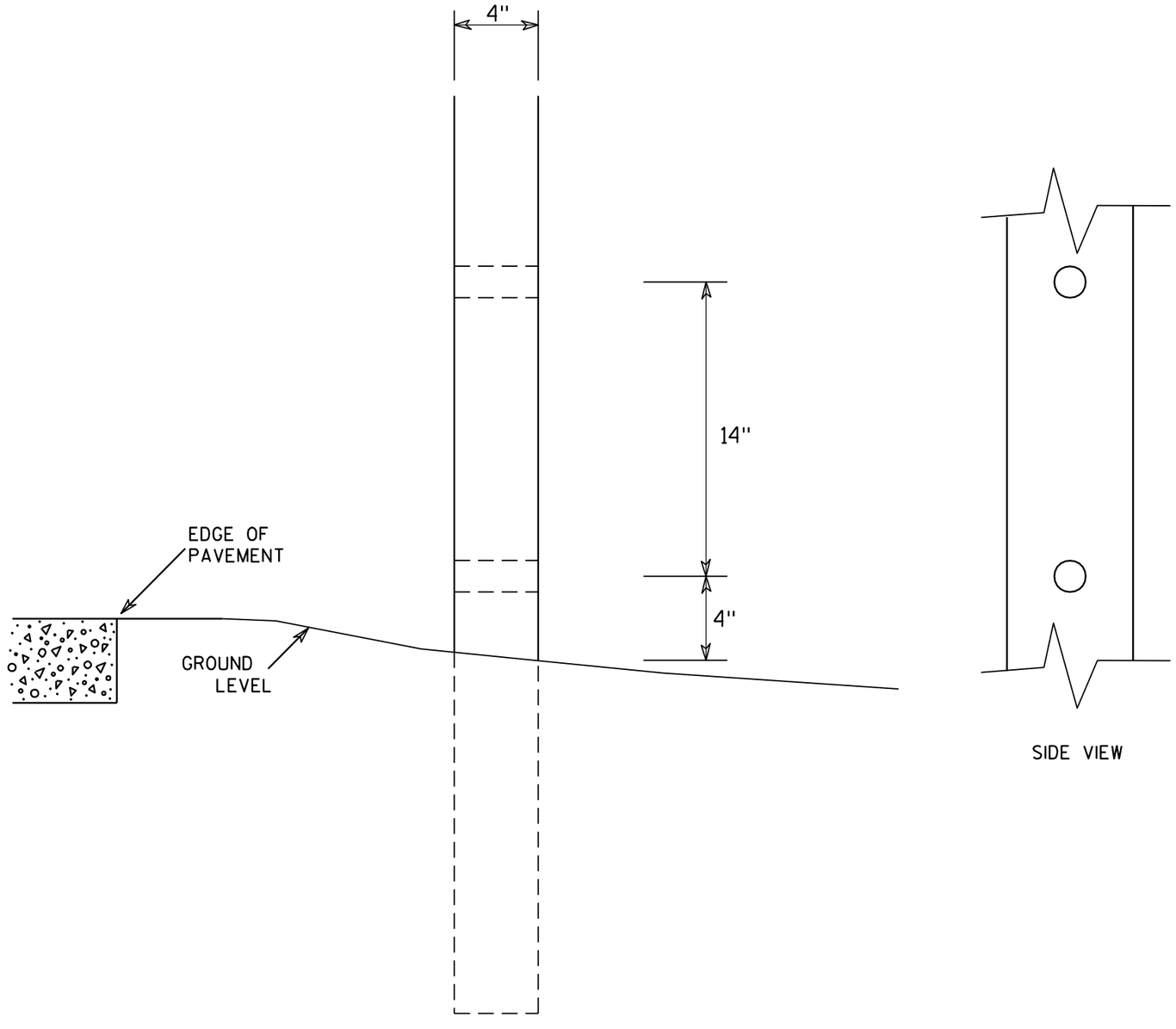
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 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

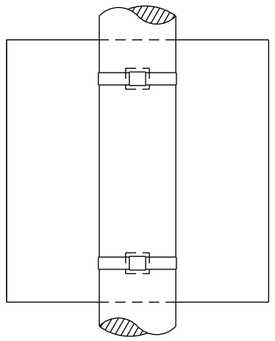
APPROVED Chester J Spang for State Traffic Engineer

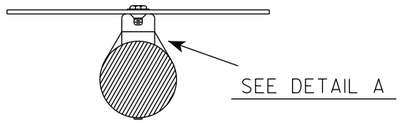
DATE 3/27/97 PLATE NO. A4-11.2

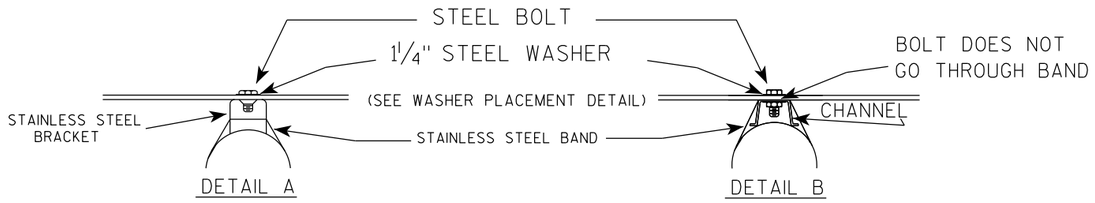
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 107	E

BANDING

SINGLE SIGN



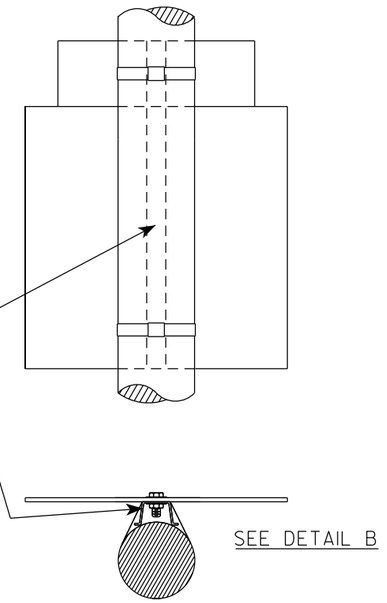




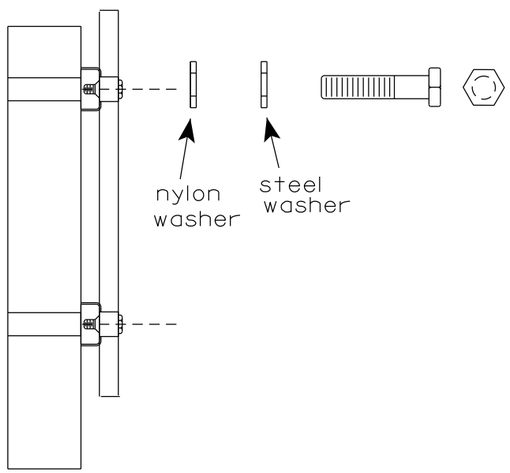
GENERAL NOTES

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

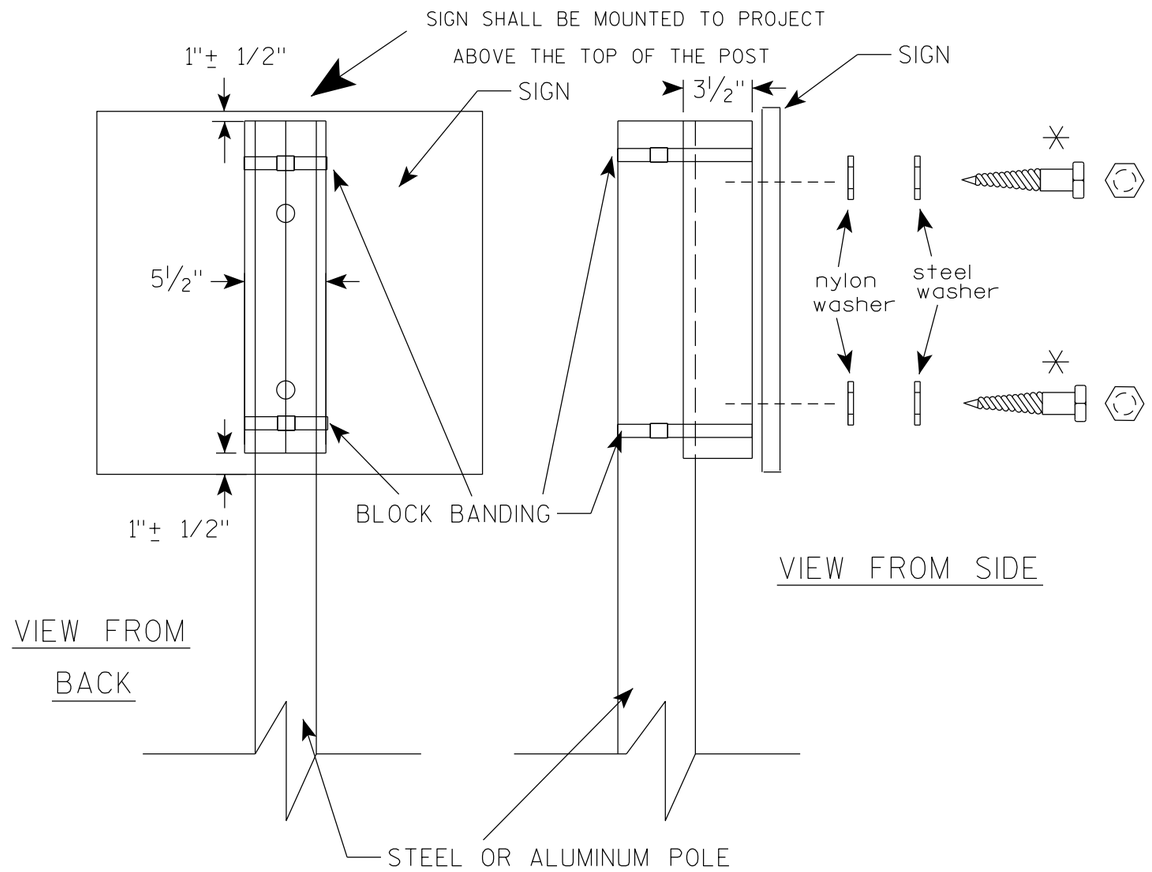
DATE 6/10/19 PLATE NO. A5-9.4

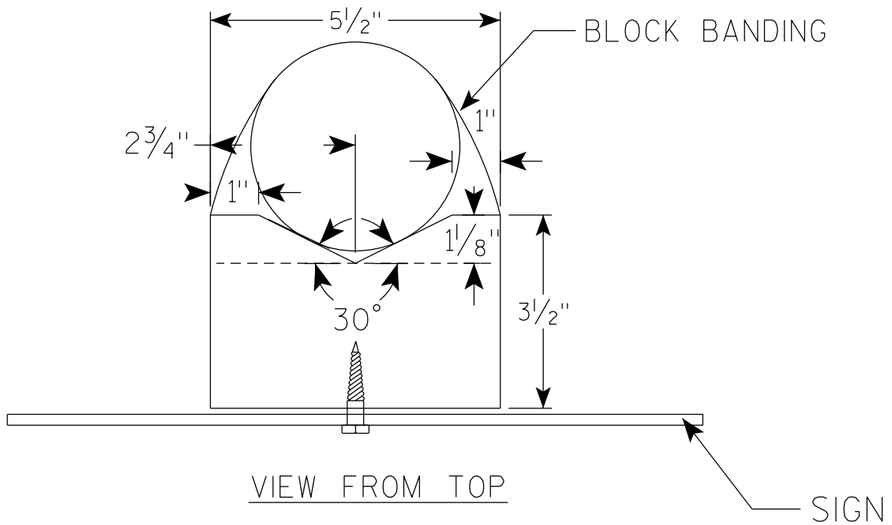
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 108	E

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)

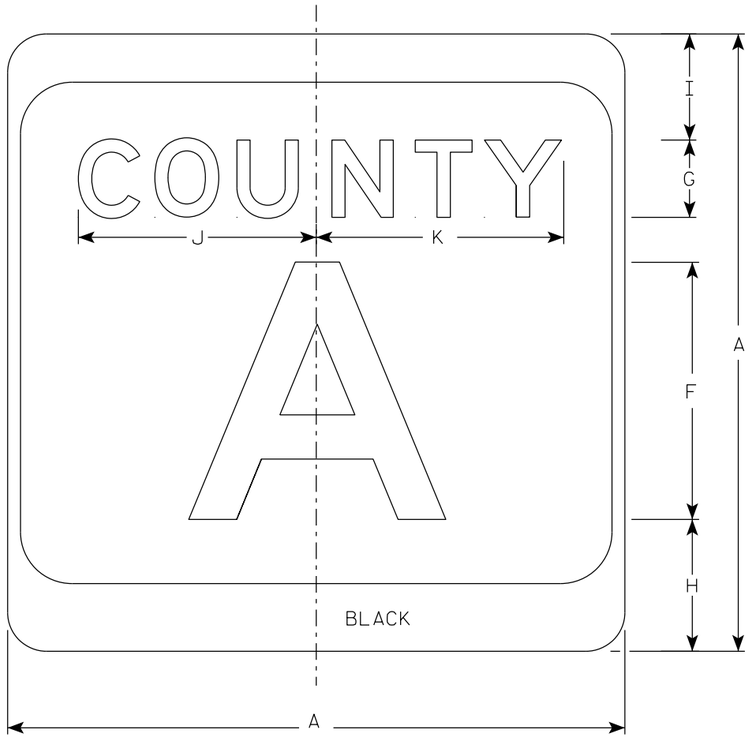
WISCONSIN DEPT OF TRANSPORTATION

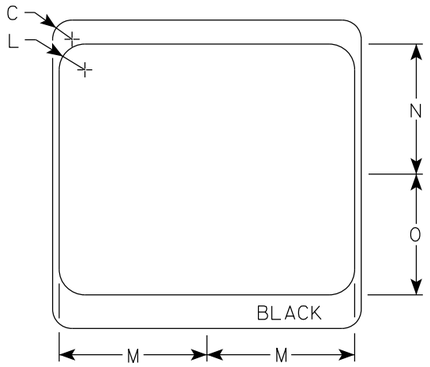
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

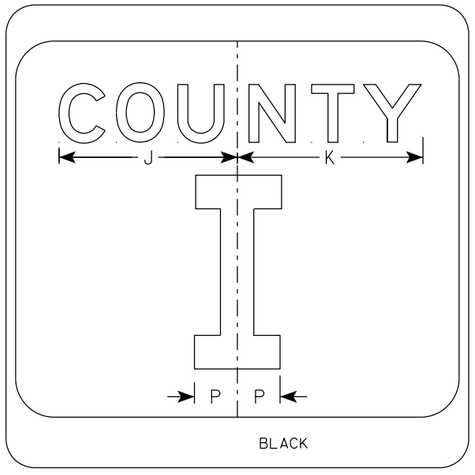
SHEET NO: 109 E

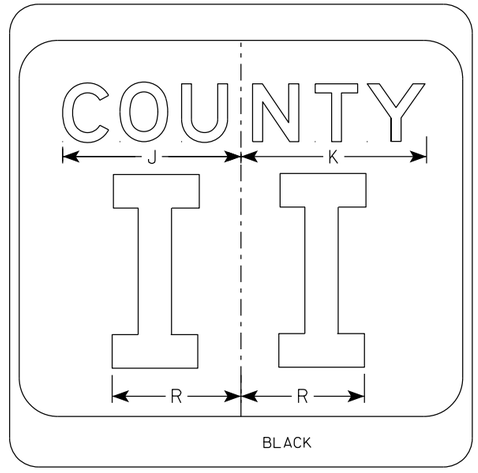




NOTES

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

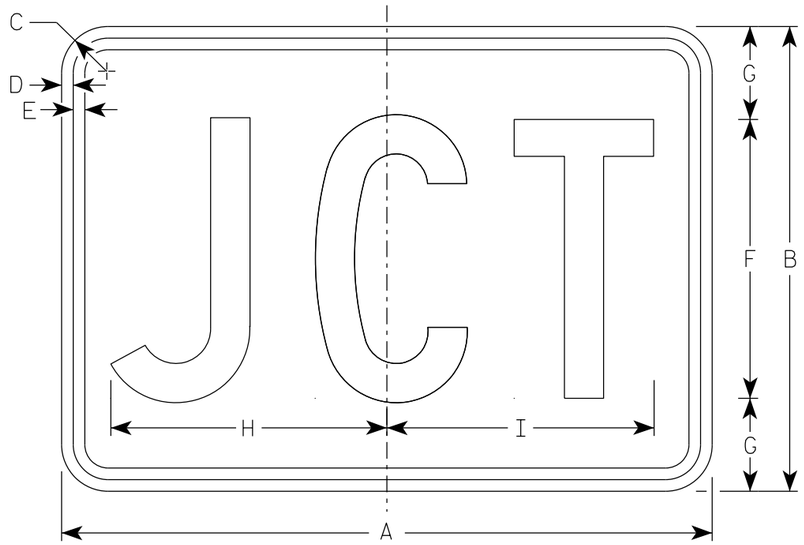
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

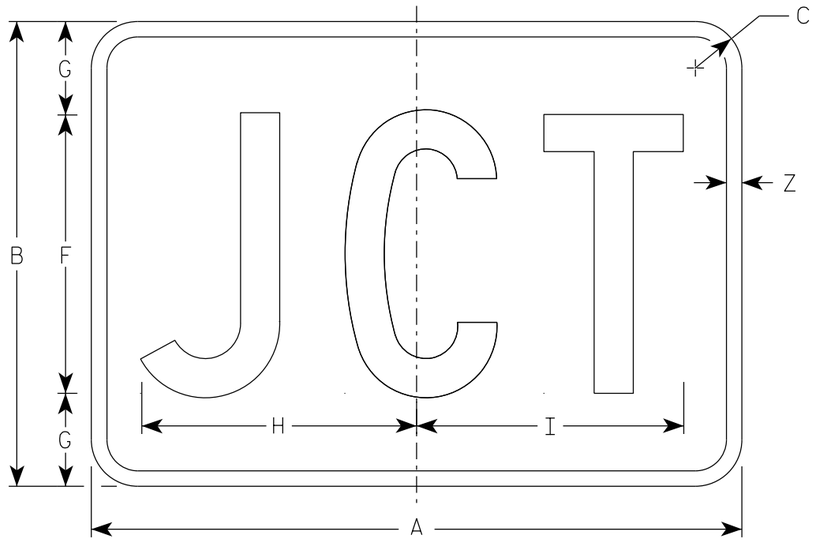
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

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



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

STANDARD SIGN
M2-1

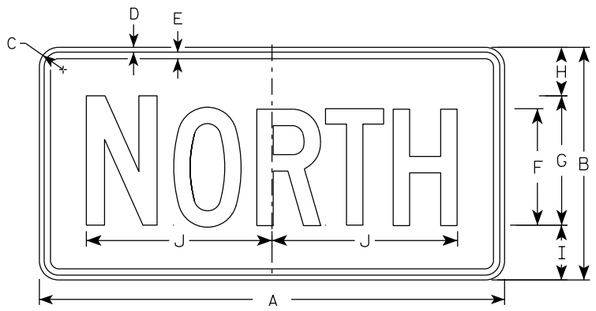
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

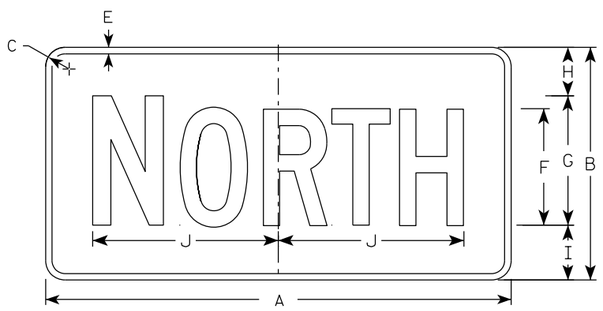
DATE 2/8/2023 PLATE NO. M2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 111 | E

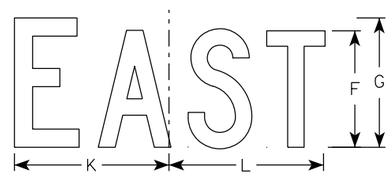
7



M3-1
MM3-1
MP3-1

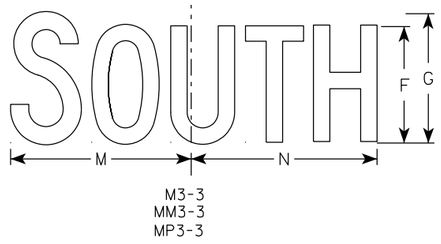


MB3-1
MK3-1
MN3-1

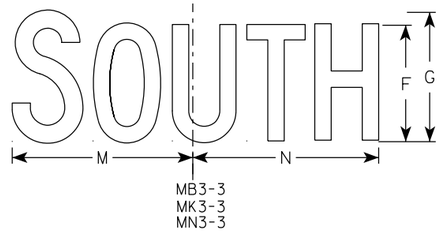


M3-2
MM3-2
MP3-2

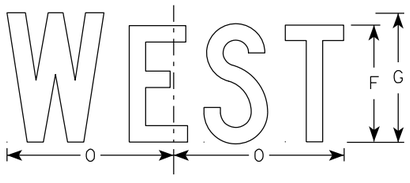
MB3-2
MK3-2
MN3-2



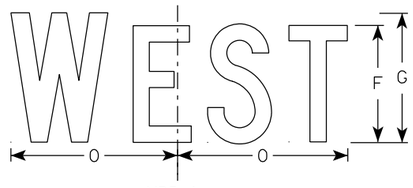
M3-3
MM3-3
MP3-3



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

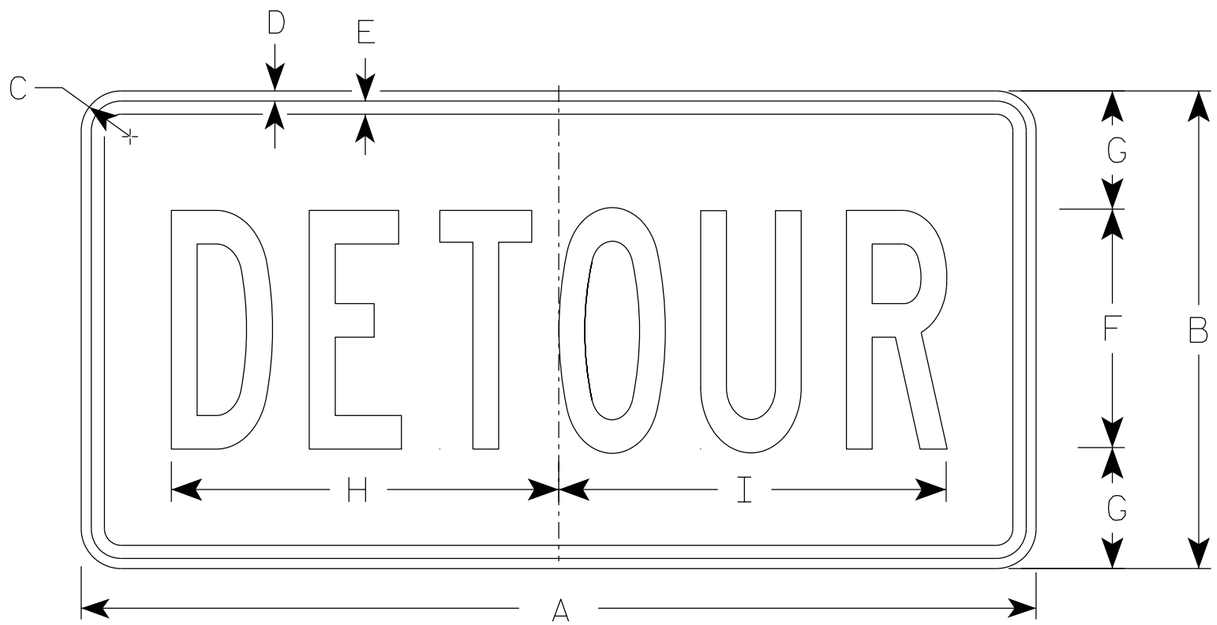
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 112 | 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

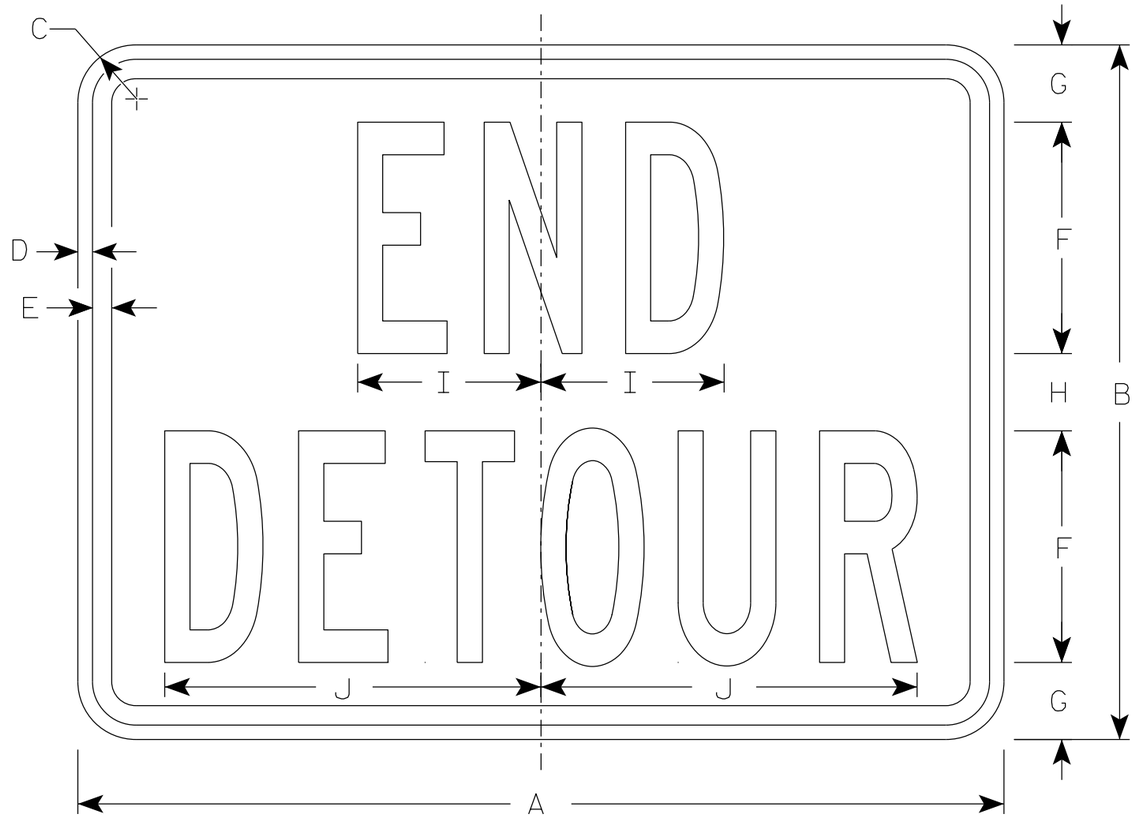
STANDARD SIGN
M4-8

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:	E



M4-8A

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

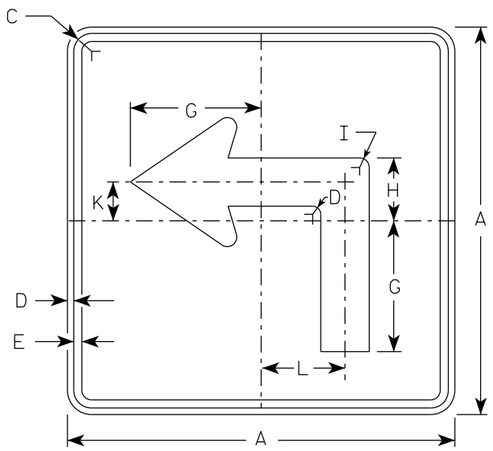
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

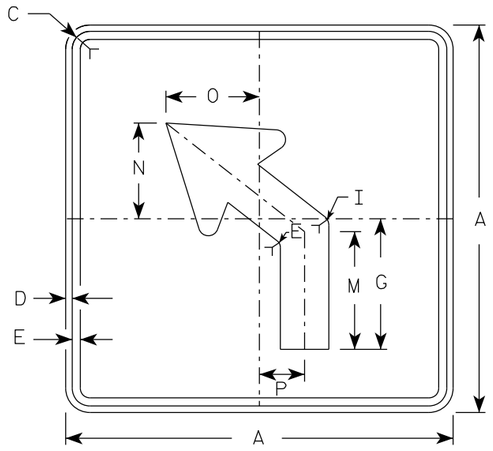
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

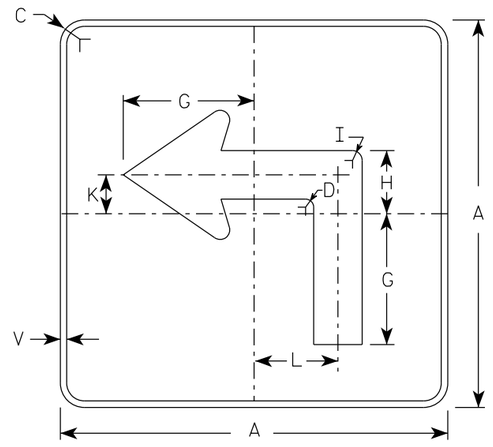
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 114 | E



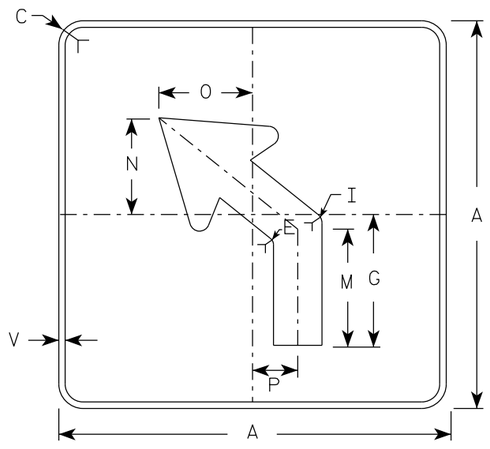
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

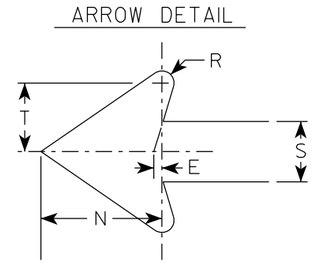


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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

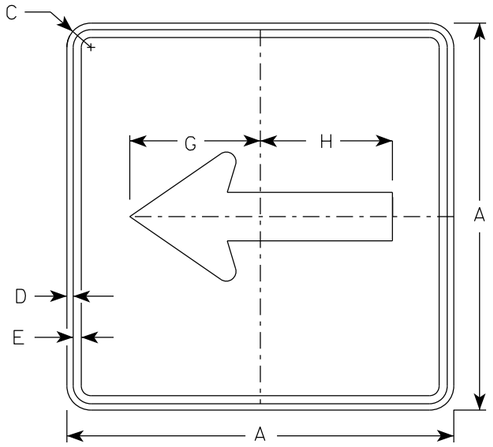
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

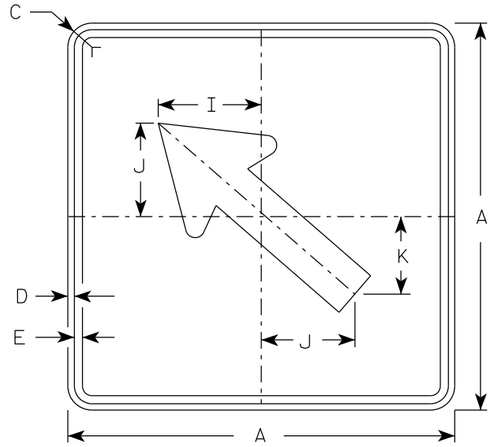
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

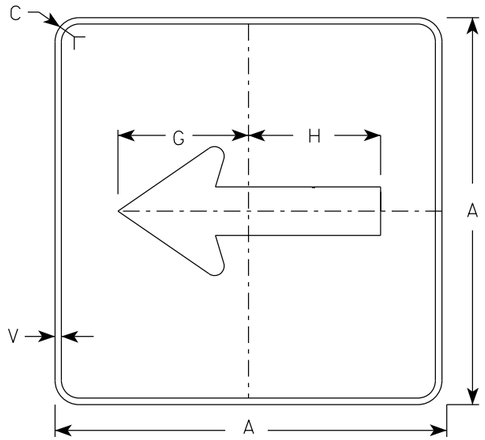
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 115 | E



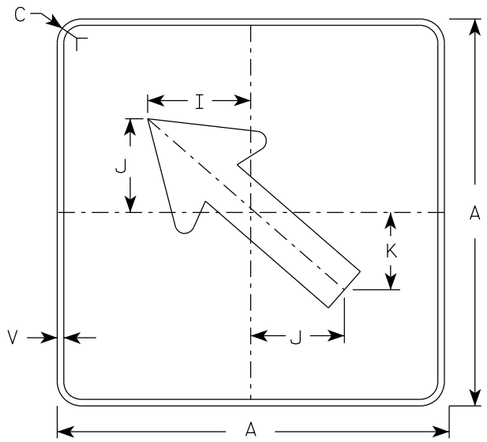
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

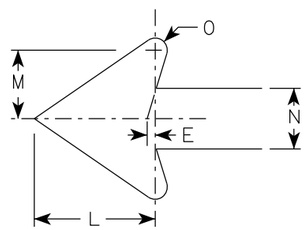


MB6-2
MK6-2
MN6-2
MR6-2

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

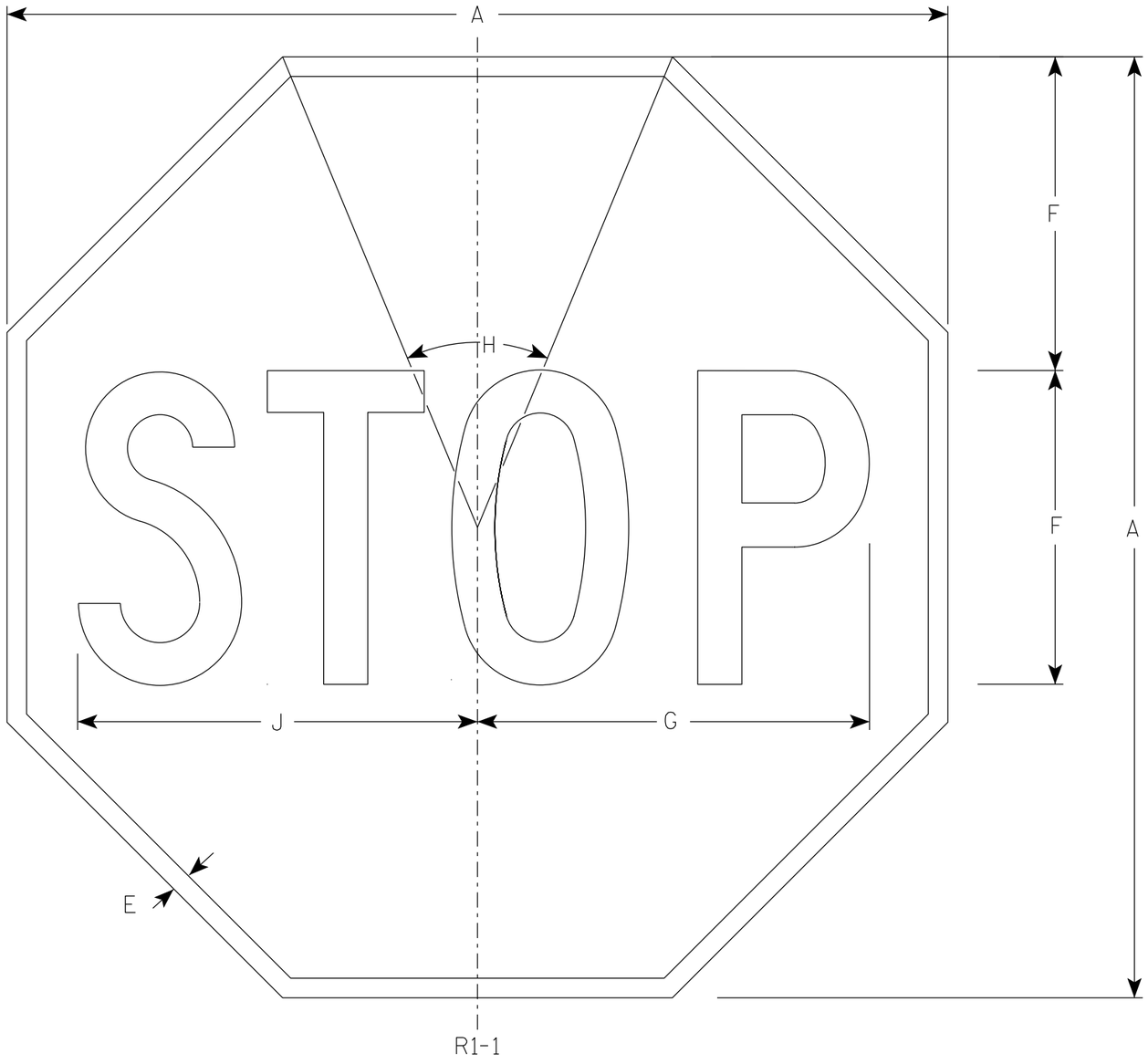
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 116 | E

7

7



NOTES

1. Sign is Type II - Type H Reflective
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

STANDARD SIGN
R1-1

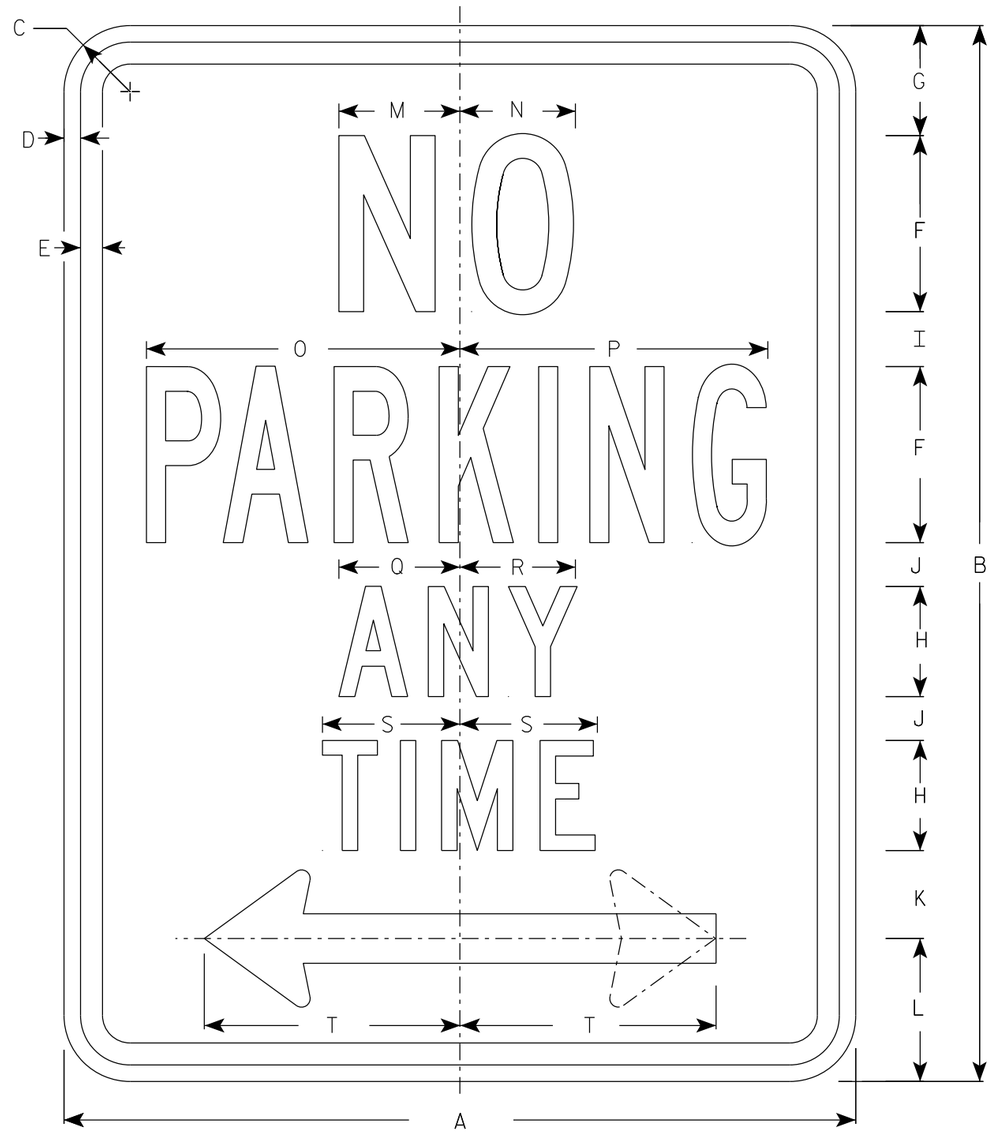
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/9/2025 PLATE NO. R1-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 117	E

7

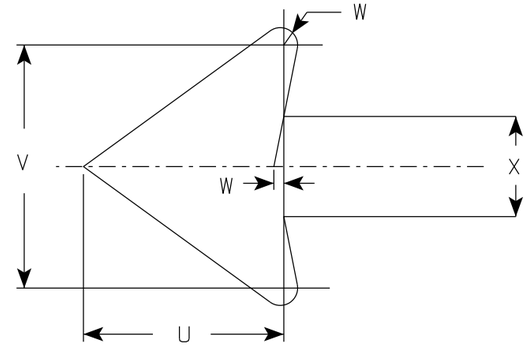


R7-1

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

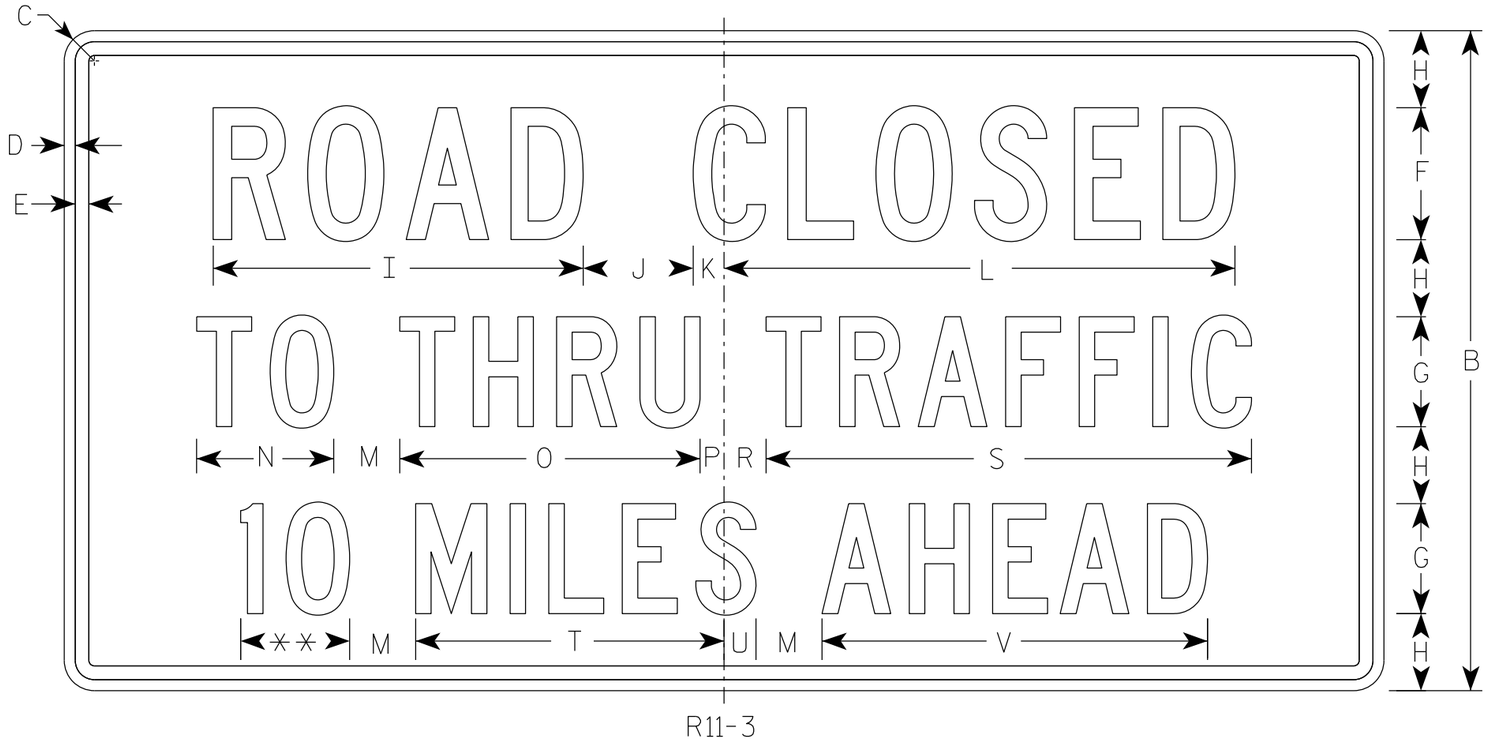
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.dgn PLOT DATE : 26-OCT 2023 2:48 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

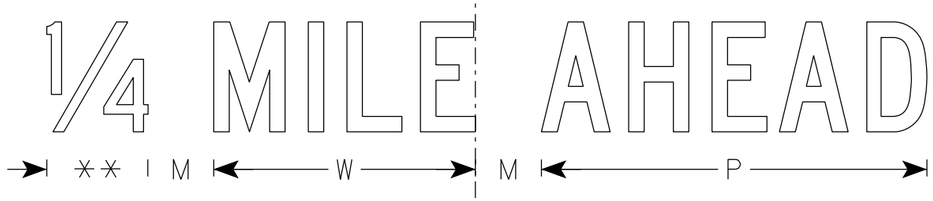
NOTES

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																											

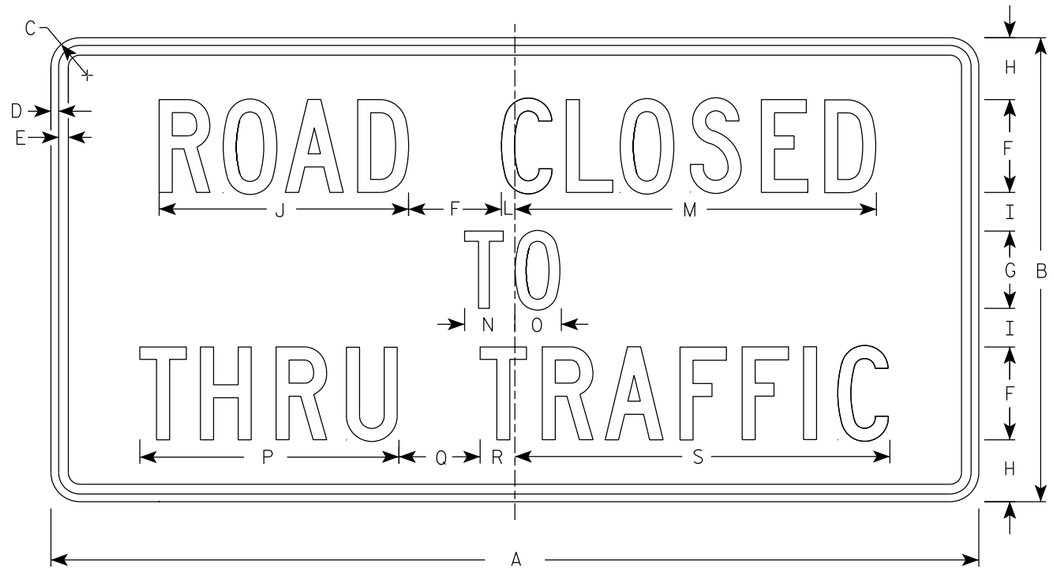
STANDARD SIGN
R11-3

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: 119 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																											

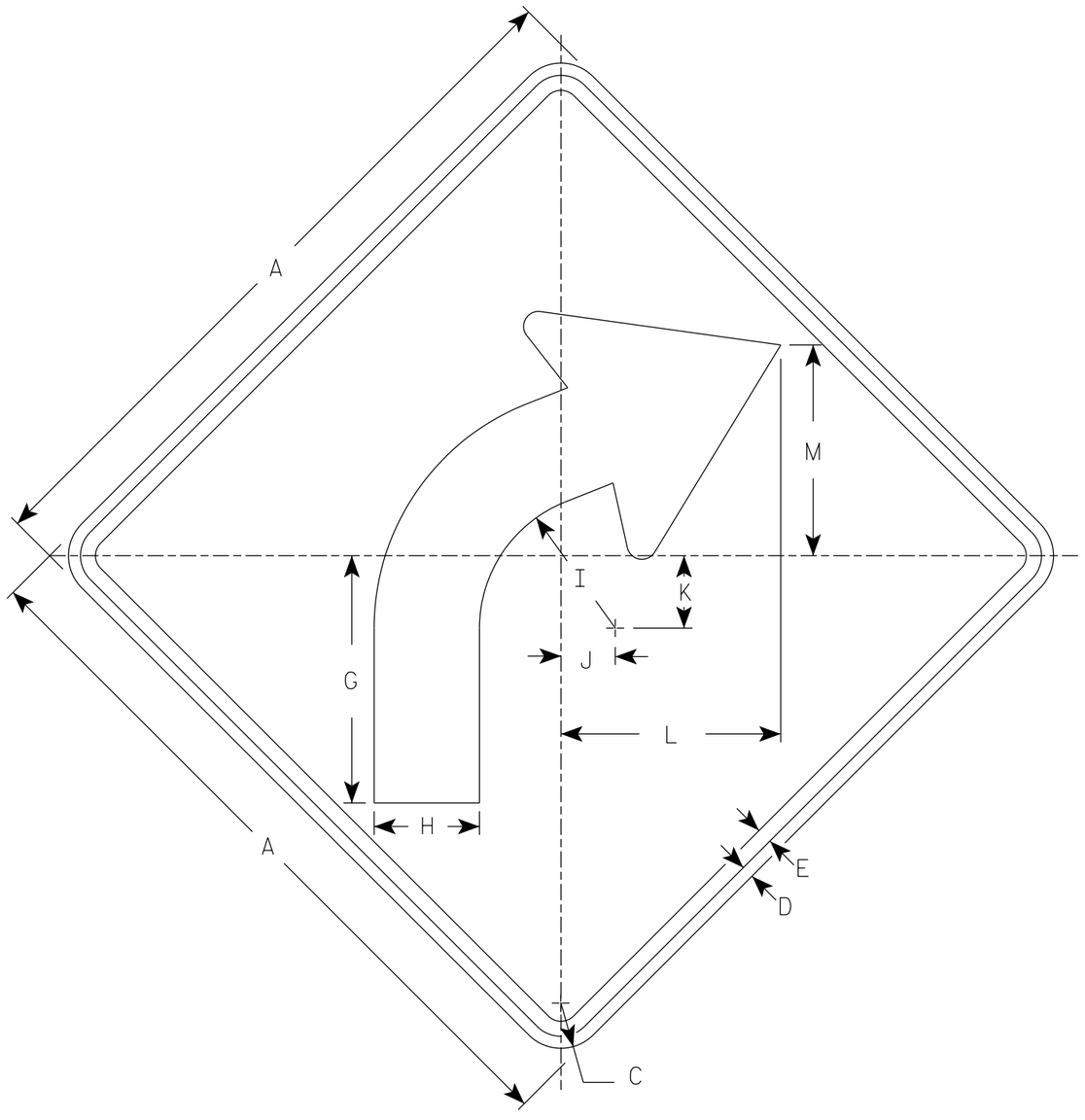
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

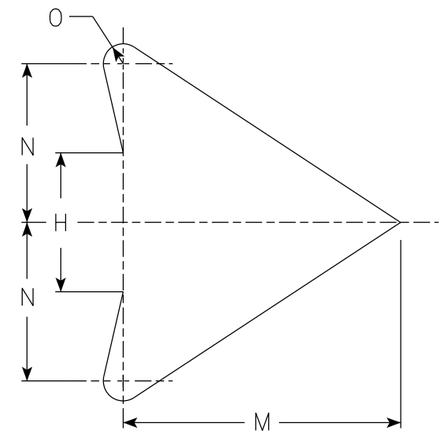
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 120 | E



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

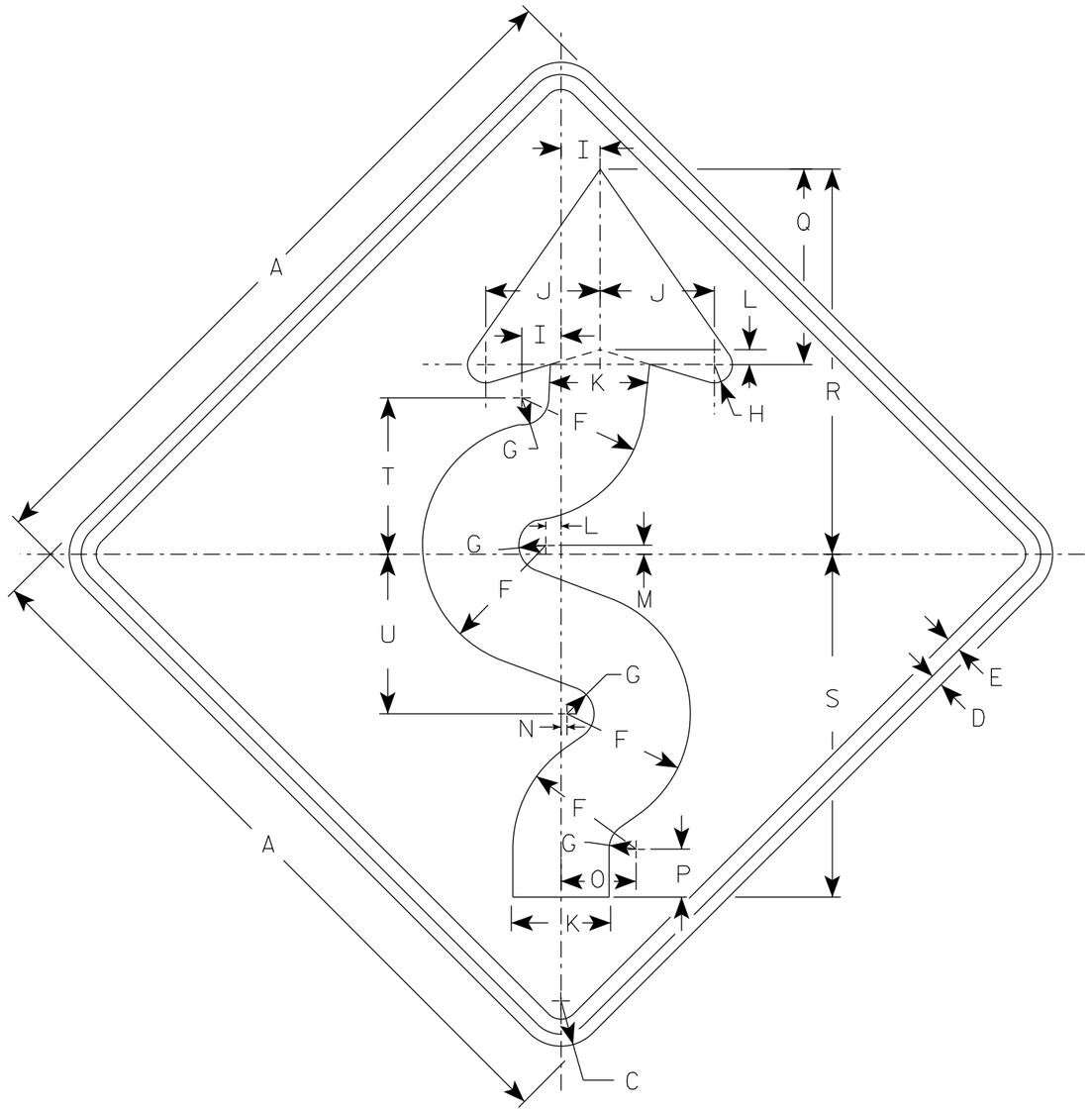
STANDARD SIGN
W1-2

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: 121	E



W1-5R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.
4. If used with W13-1 of 30 MPH or less, use 36" sign for Size 2S.

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	4 1/8	7/8	5/8	1 1/4	3 3/4	3 1/4	1/2	1/4	1/8	2 1/2	1 5/8	6 1/2	12 3/4	11 3/8	5 1/4	5 1/4						4.0
2S	30		1 7/8	1/2	5/8	5 1/8	1 1/8	3/4	1 5/8	4 3/4	4 1/8	5/8	3/8	1/4	3 1/8	2	8 1/8	16	14 1/4	6 1/2	6 5/8						6.25
2M	36		2 1/4	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
3	36		2 1/4	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
4	36		2 1/4	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
5	48		3	3/4	1	8 1/4	1 3/4	1 1/4	2 1/2	7 1/2	6 1/2	1	1/2	3/8	5	3 1/4	13	25 1/2	22 3/4	10 3/8	10 1/2						16.0

STANDARD SIGN
W1-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

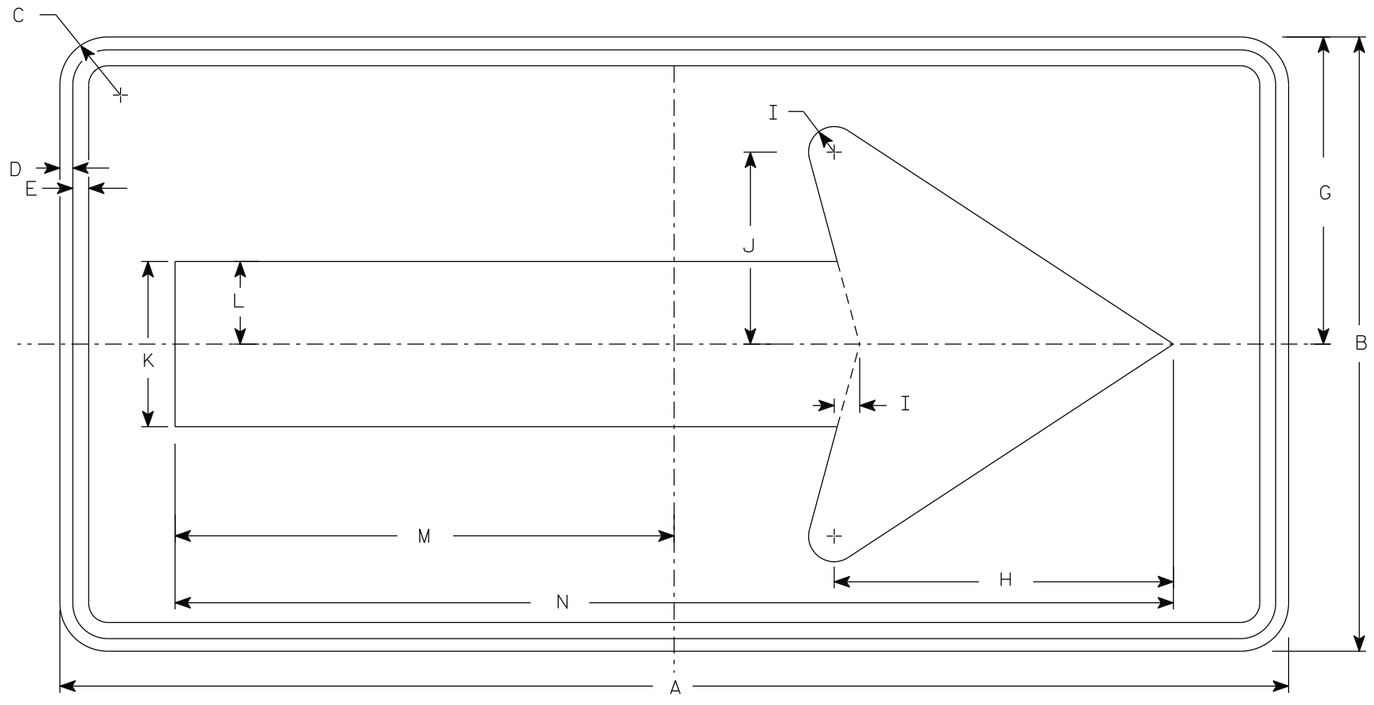
DATE 4/11/2023 PLATE NO. W1-5.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W15.dgn PLOT DATE : 30-OCT 2023 10:04 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	3	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN

W1-6

WISCONSIN DEPT OF TRANSPORTATION

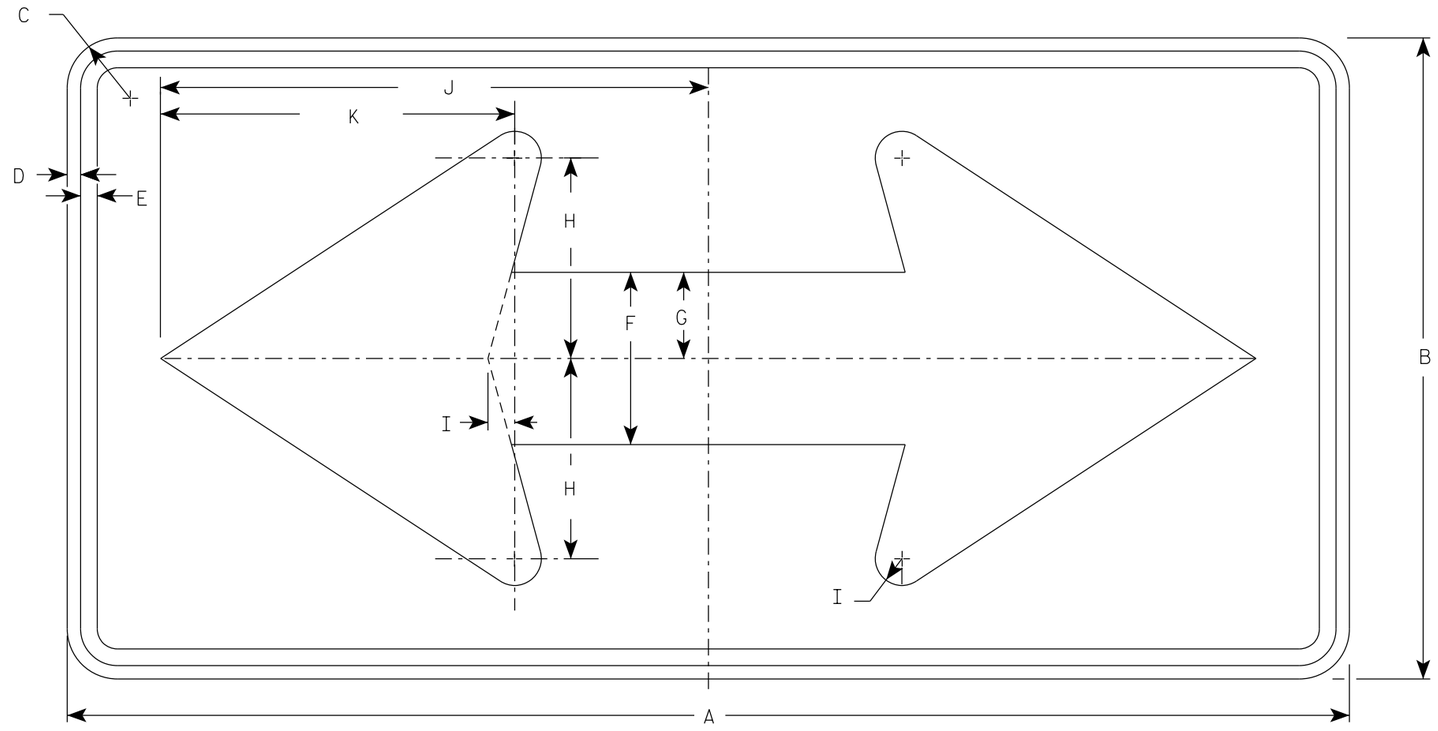
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/13/2023 PLATE NO. W1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-7

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	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	3	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1-7

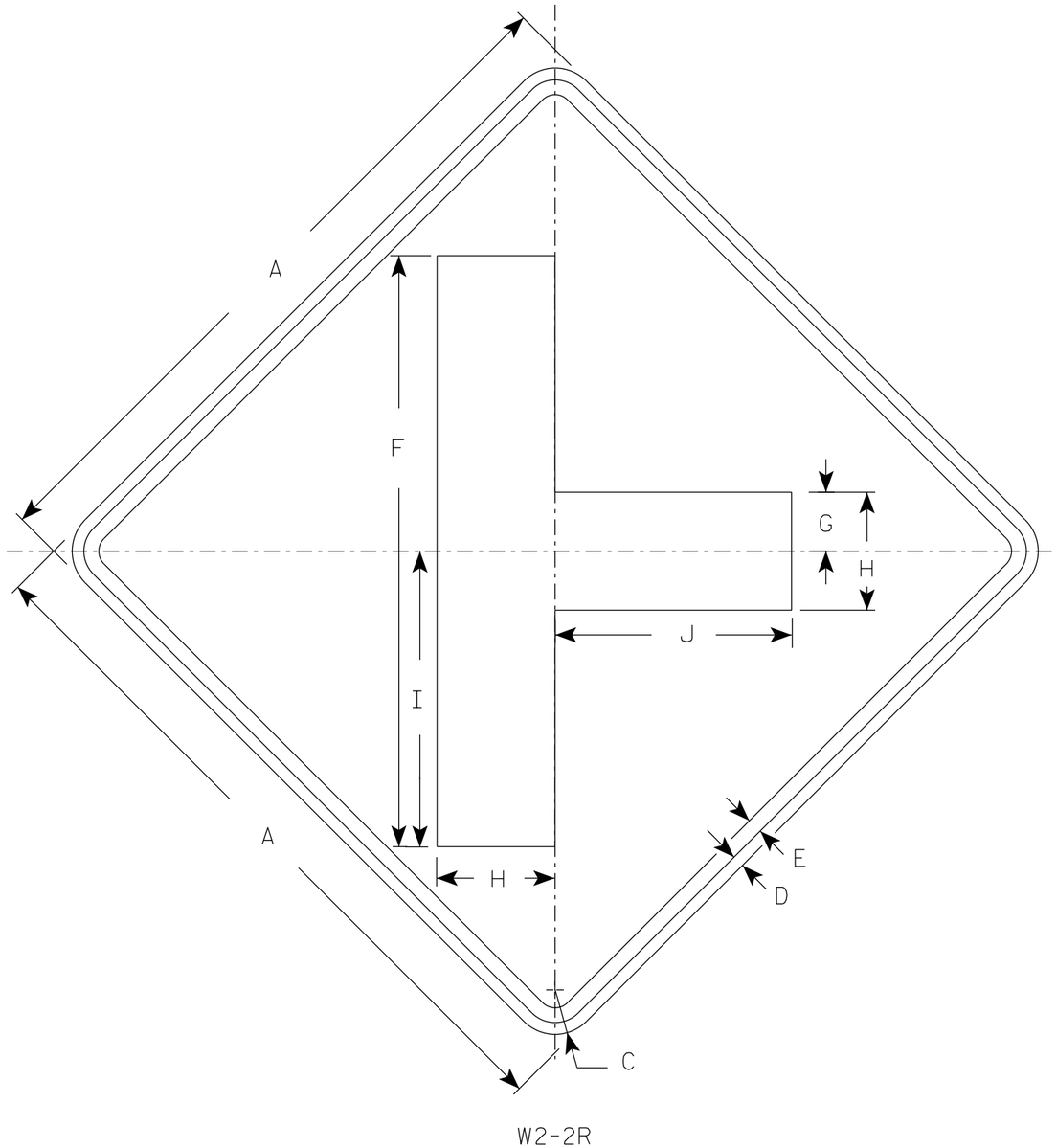
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/10/2023 PLATE NO. W1-7.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W17.dgn PLOT DATE : 10-MAY 2023 3:05 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W2-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W2-2L same as W2-2R but is rotated 180° when mounted.

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	20	2	4	10	8																	4.0
2S	30		1 7/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 7/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		2 1/4	5/8	3/4	30	3	6	15	12																	9.0
4	48		3	3/4	1	40	4	8	20	16																	16.0
5																											

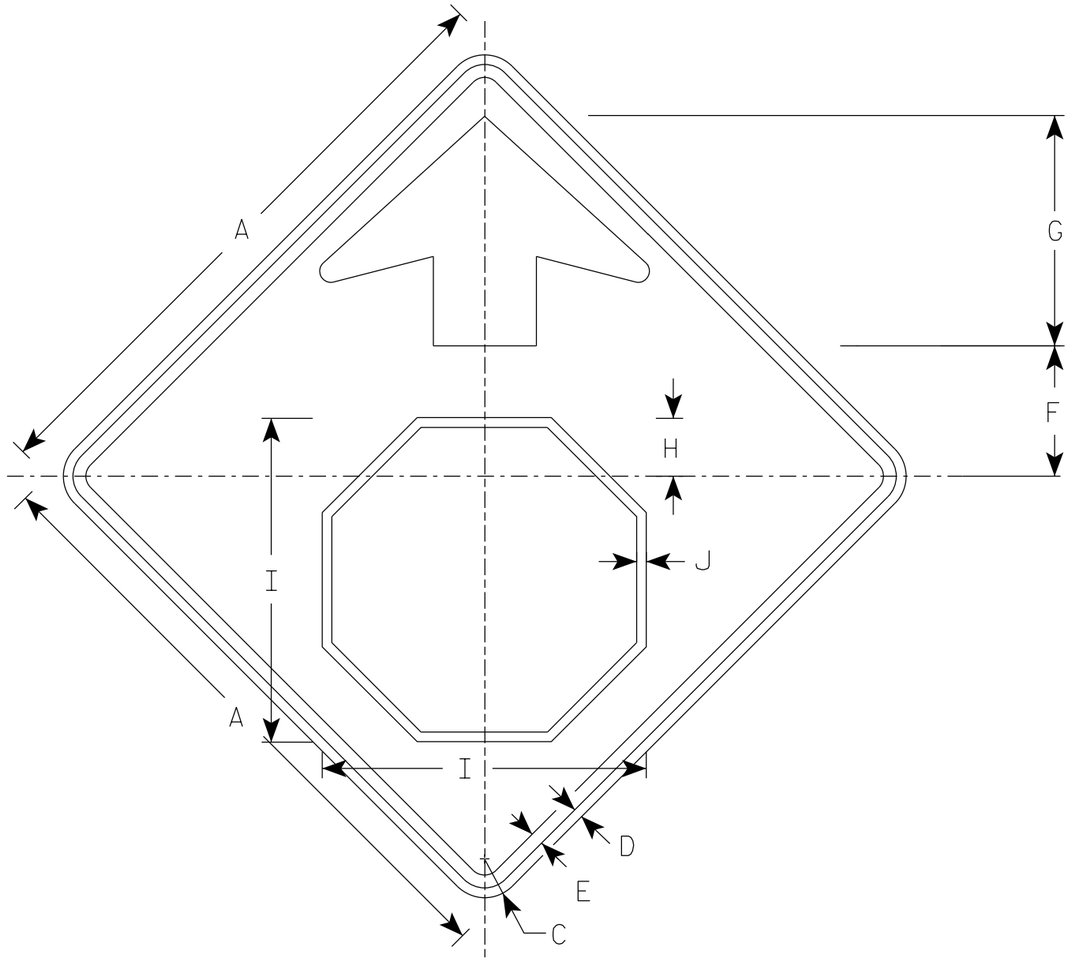
STANDARD SIGN
W2-2 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/16/2023 PLATE NO. W2-2.8

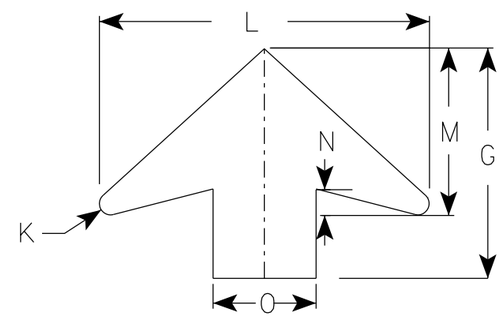
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 125 | E



W3-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Arrow & Border - Black
   Stop Symbol - White Border on Red Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

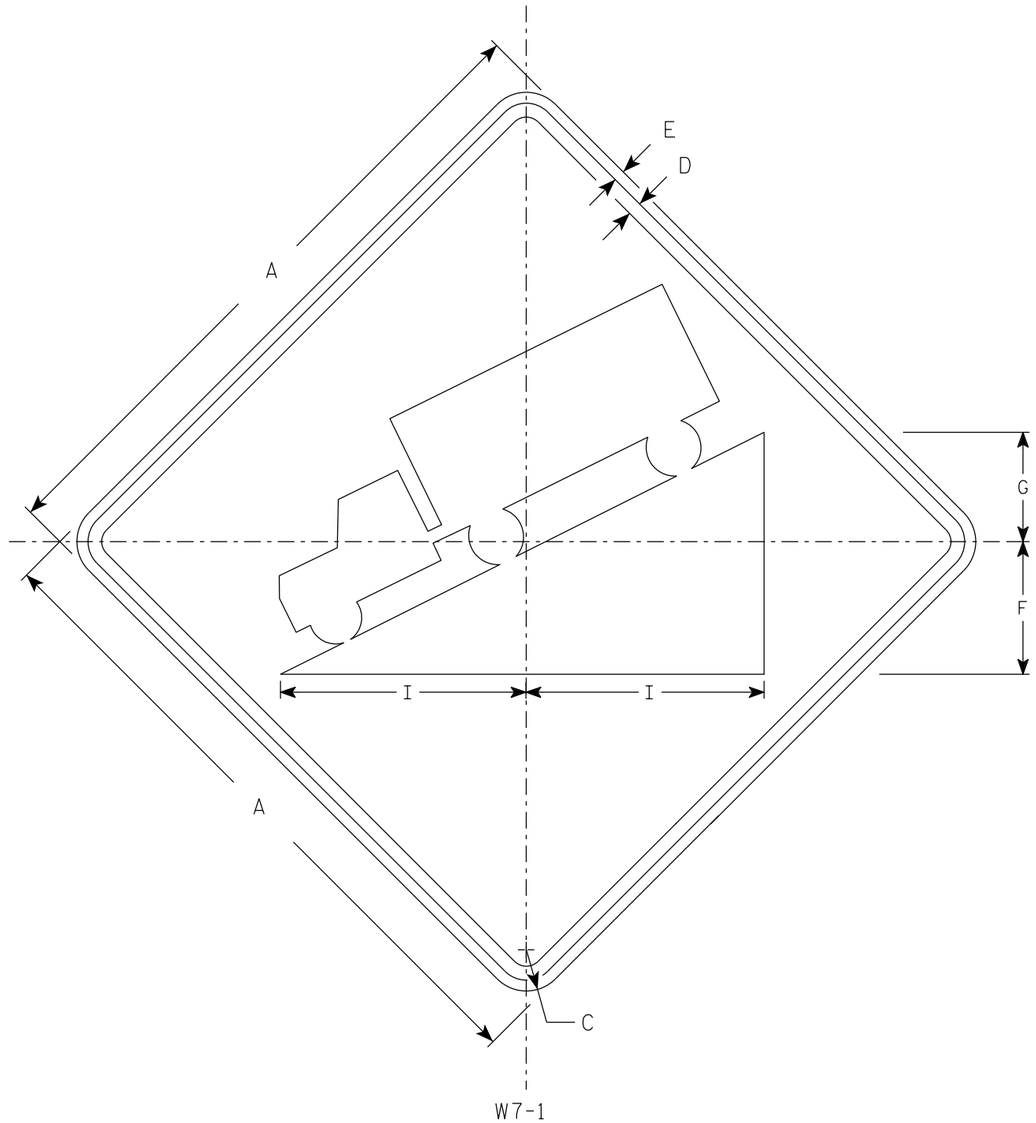
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W3-1.13

PROJECT NO:

SHEET NO: 126 E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D

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	3/8	5	4		8 3/4																		4.0
2S	30		1 7/8	1/2	5/8	6	5		11																		6.25
2M	36		2 1/4	5/8	3/4	7 1/4	6		13 1/4																		9.0
3	36		2 1/4	5/8	3/4	7 1/4	6		13 1/4																		9.0
4	36		2 1/4	5/8	3/4	7 1/4	6		13 1/4																		9.0
5	48		3	3/4	1	9 3/4	8		17 1/2																		16.0

STANDARD SIGN

W7-1

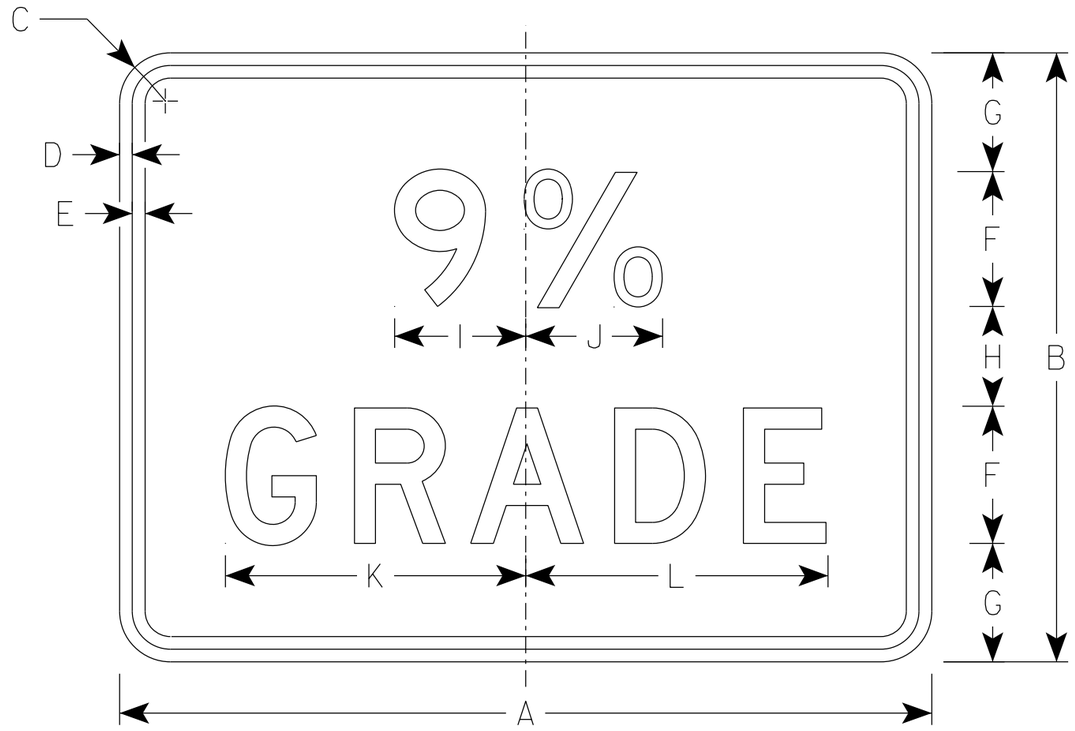
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/6/2023 PLATE NO. W7-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 127	E

7



W7-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral 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																											
2S	24	18	1 1/2	3/8	3/8	4	3 1/2	3	3 7/8	4	8 7/8	9															3.0
2M	24	18	1 1/2	3/8	3/8	4	3 1/2	3	3 7/8	4	8 7/8	9															3.0
3																											
4																											
5																											

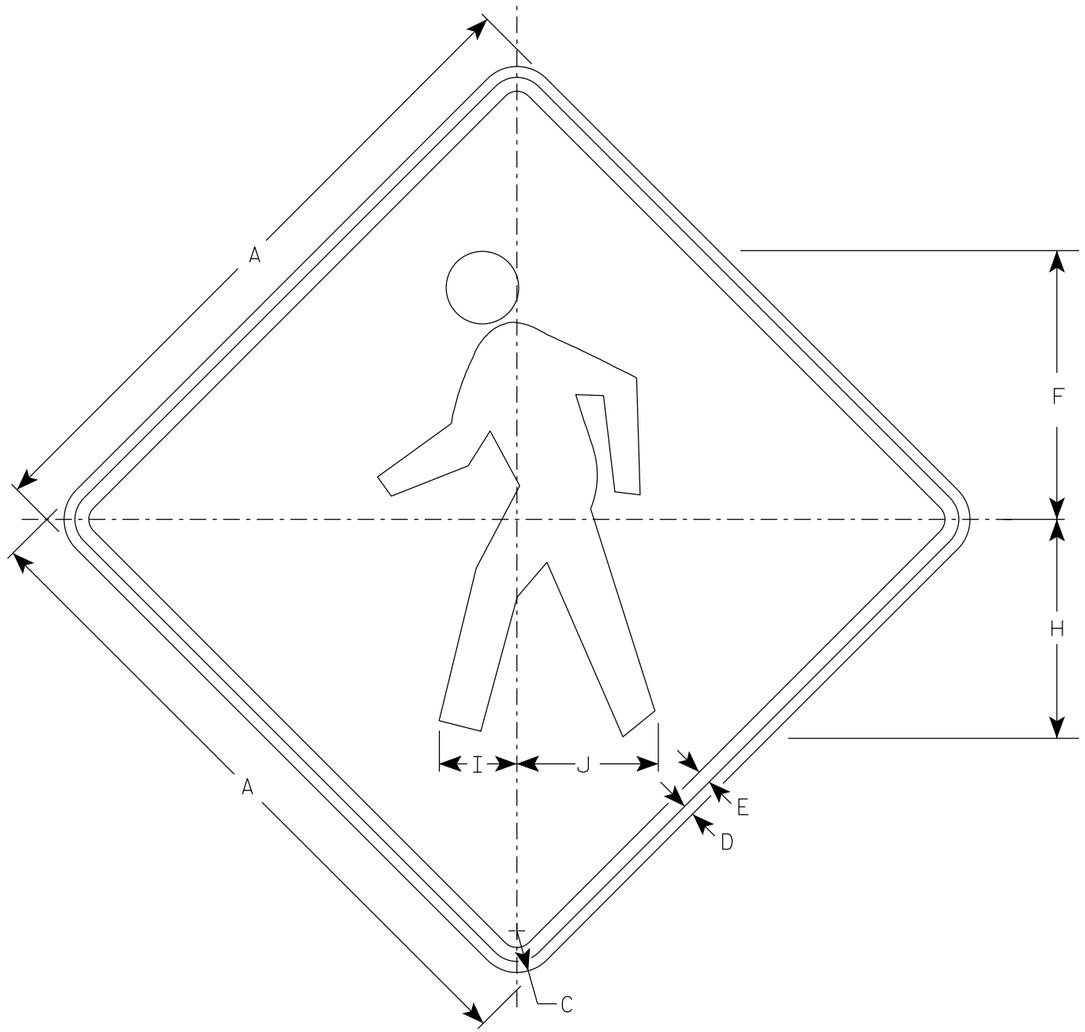
STANDARD SIGN
W7-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/19/2023 PLATE NO. W7-3.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 128 E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

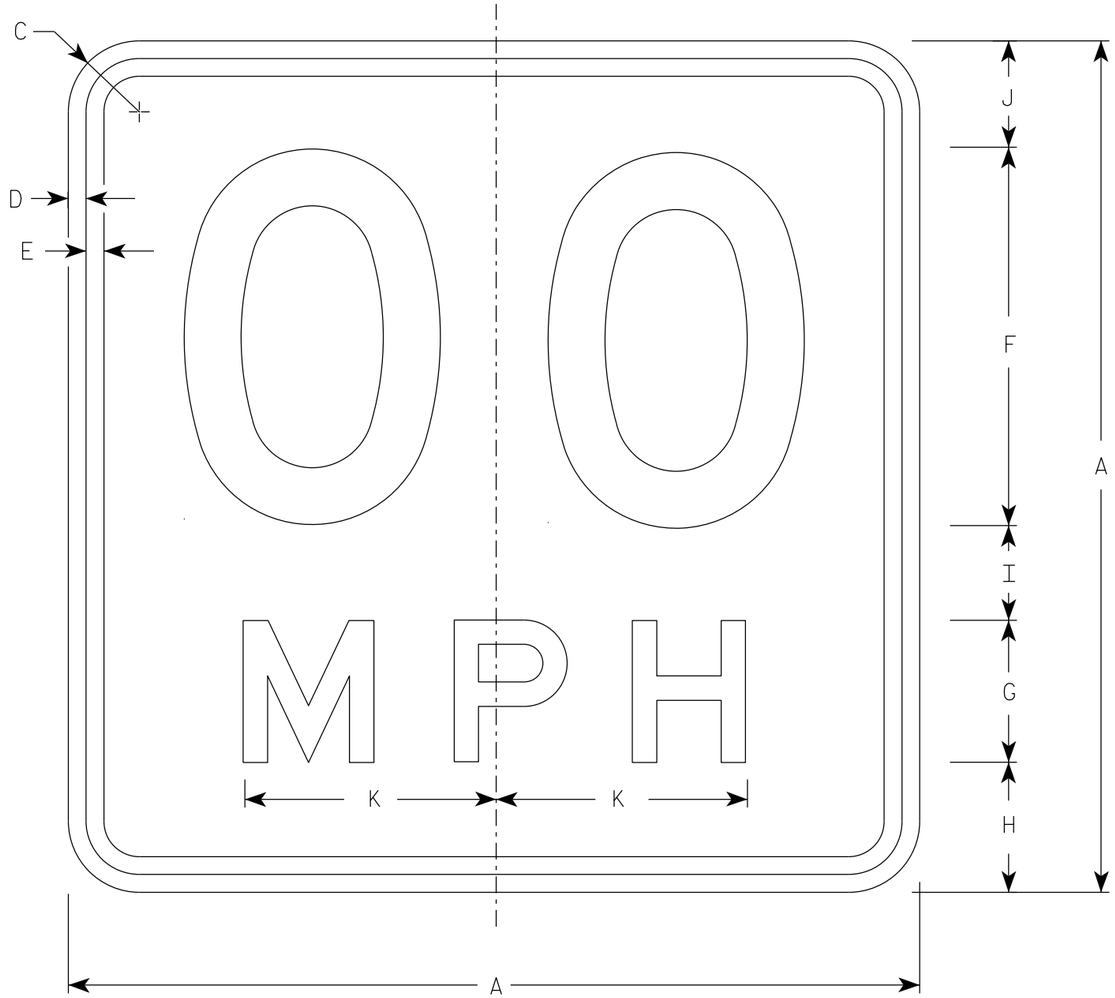
For State Traffic Engineer

DATE 6/15/2023 PLATE NO. W11-2.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W112.DGN PLOT DATE : 15-JUNE 2023 3:50 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42



W13-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

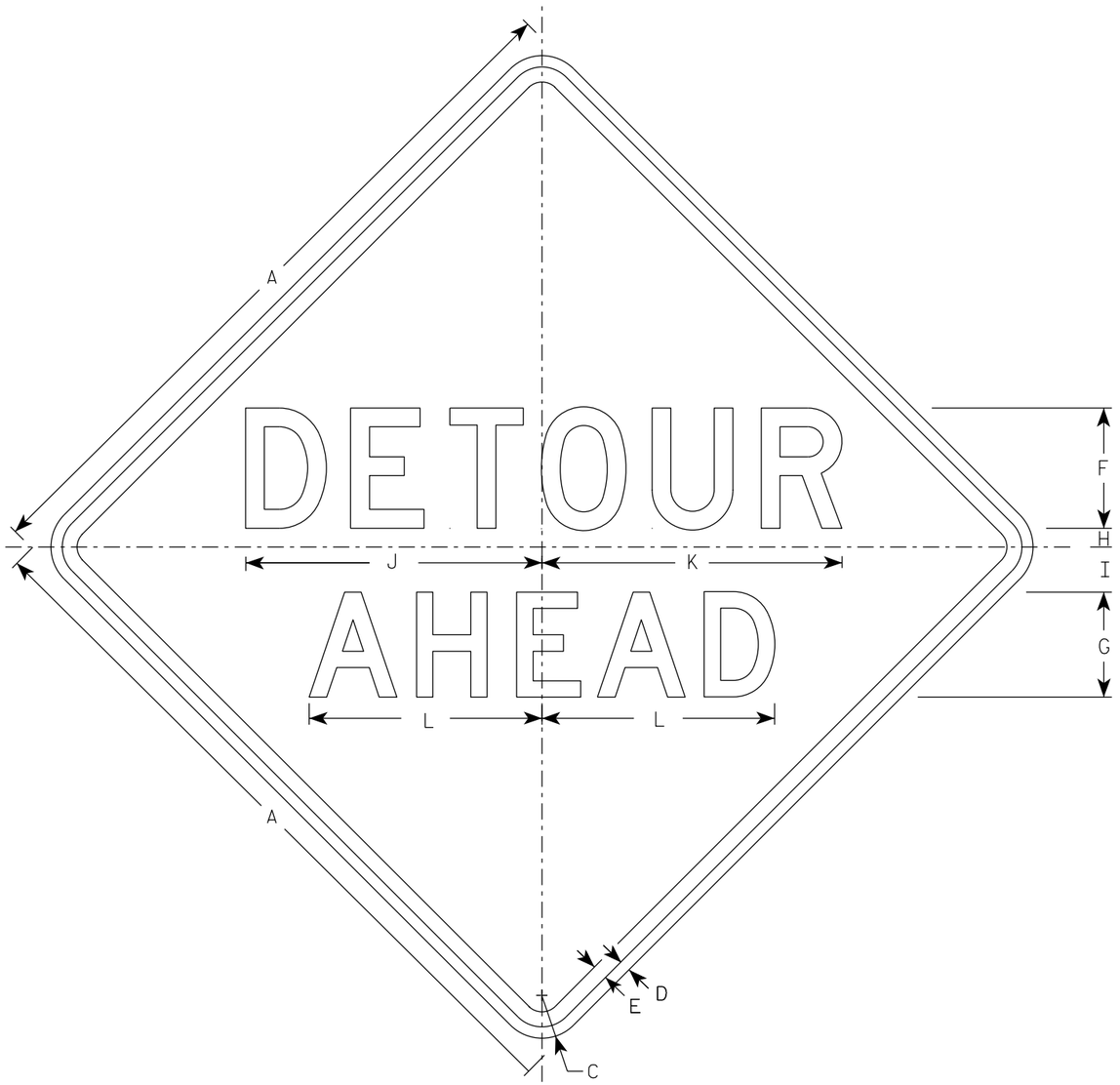
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

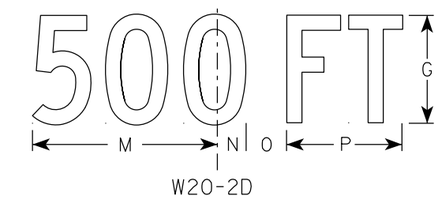
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/8/2024 PLATE NO. W13-1.17

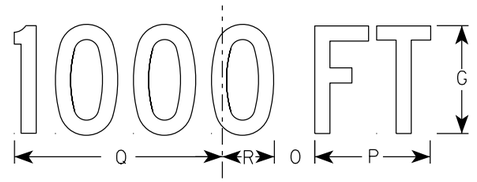
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



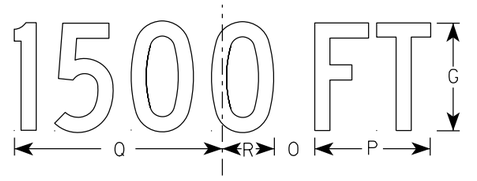
W20-2A



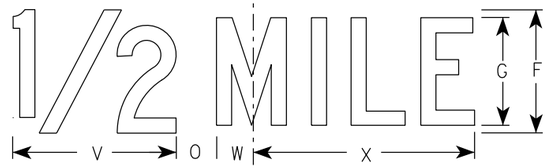
W20-2D



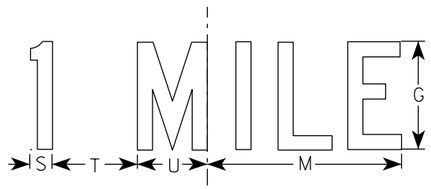
W20-2C



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

CTH E

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
109+75.00	10975.00	0.00	39.35	11.92	0.00	0	0	0	0	0	0
110+00.00	11000.00	25.00	32.66	11.92	0.00	33	11	0	33	0	22
111+00.00	11100.00	100.00	59.09	11.92	0.00	170	44	0	203	0	148
112+00.00	11200.00	100.00	169.90	11.92	0.00	424	44	0	627	0	528
113+00.00	11300.00	100.00	12.30	11.92	4.00	337	44	7	964	9	812
114+00.00	11400.00	100.00	13.77	11.92	49.20	48	44	99	1012	133	693
115+00.00	11500.00	100.00	41.07	11.92	23.73	102	44	135	1114	301	582
116+00.00	11600.00	100.00	25.49	11.92	8.53	123	44	60	1237	376	586
117+00.00	11700.00	100.00	6.10	11.92	63.40	59	44	133	1296	543	435
118+00.00	11800.00	100.00	11.94	11.92	12.56	33	44	141	1329	719	247
119+00.00	11900.00	100.00	0.23	11.92	52.67	23	44	121	1352	870	75
120+00.00	12000.00	100.00	0.00	11.92	40.31	0	44	172	1352	1085	-184
121+00.00	12100.00	100.00	0.00	11.92	132.88	0	44	321	1352	1486	-629
122+00.00	12200.00	100.00	5.49	11.92	30.20	10	44	302	1362	1864	-1041
123+00.00	12300.00	100.00	28.46	11.92	9.06	63	44	73	1425	1955	-1113
124+00.00	12400.00	100.00	49.89	11.92	0.00	145	44	17	1570	1976	-1033
124+15.59	12415.59	15.59	49.73	11.92	0.00	29	7	0	1599	1976	-1011
125+00.00	12500.00	84.41	39.38	11.92	0.35	139	37	1	1738	1978	-911
126+00.00	12600.00	100.00	59.21	11.92	0.00	183	44	1	1921	1979	-773
127+00.00	12700.00	100.00	78.10	11.92	0.00	254	44	0	2175	1979	-563
128+00.00	12800.00	100.00	20.92	11.92	115.30	183	44	214	2358	2246	-691
129+00.00	12900.00	100.00	22.75	11.92	12.23	81	44	236	2439	2541	949
129+50.00	12950.00	50.00	43.60	11.92	2.53	61	22	14	2500	2559	-928
130+00.00	13000.00	50.00	46.59	11.92	3.00	84	22	5	2584	2565	-872
130+50.00	13050.00	50.00	53.48	11.92	2.93	93	22	5	2677	2571	-807
131+00.00	13100.00	50.00	58.61	11.92	0.11	104	22	3	2781	2575	-729
131+50.00	13150.00	50.00	52.86	11.92	2.82	103	22	3	2884	2579	-652
132+00.00	13200.00	50.00	20.33	11.92	21.41	68	22	22	2952	2606	-633
133+00.00	13300.00	100.00	0.00	11.92	133.53	38	44	287	2990	2965	-998
134+00.00	13400.00	100.00	0.00	11.92	34.72	0	44	312	2990	3355	-1432
134+64.68	13464.68	64.68	11.63	11.92	1.82	14	29	44	3004	3410	-1502
135+00.00	13500.00	35.32	109.10	11.92	0.00	79	16	1	3083	3411	-1440
136+00.00	13600.00	100.00	13.55	11.92	2.27	227	44	4	3310	3416	-1262
136+50.00	13650.00	50.00	8.52	11.92	77.77	20	22	74	3330	3509	-1357
137+00.00	13700.00	50.00	11.69	11.92	65.36	19	22	133	3349	3675	-1526
137+50.00	13750.00	50.00	22.38	11.92	12.78	32	22	72	3381	3765	-1606
138+00.00	13800.00	50.00	45.61	11.92	5.22	63	22	17	3444	3786	-1586
138+50.00	13850.00	50.00	55.09	11.92	0.00	93	22	5	3537	3793	-1522
139+00.00	13900.00	50.00	34.99	11.92	0.00	83	22	0	3620	3793	-1461
139+10.82	13910.82	10.82	35.93	11.92	0.00	14	5	0	3634	3793	-1452
140+00.00	14000.00	89.18	65.29	11.92	0.00	167	39	0	3801	3793	-1324
141+00.00	14100.00	100.00	114.64	11.92	0.00	333	44	0	4134	3793	-1035
142+00.00	14200.00	100.00	98.77	11.92	0.00	395	44	0	4529	3793	-684
143+00.00	14300.00	100.00	72.81	11.92	0.02	318	44	0	4847	3793	-410
144+00.00	14400.00	100.00	15.42	11.92	9.92	163	44	18	5010	3815	313

CONTINUED

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [{CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS} - {(FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR}]
4 - MASS ORDINATE	

CTH E

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
145+00.00	14500.00	100.00	39.04	11.92	0.64	101	44	20	5111	3840	-281
146+00.00	14600.00	100.00	19.28	11.92	27.33	108	44	52	5219	3905	-282
146+64.01	14664.01	64.01	109.52	11.92	0.00	153	28	32	5372	3945	-197
147+00.00	14700.00	35.99	144.43	11.92	0.00	169	16	0	5541	3945	-44
147+50.00	14750.00	50.00	70.37	11.92	0.00	199	22	0	5740	3945	133
148+00.00	14800.00	50.00	47.28	11.92	12.89	109	22	12	5849	3960	205
148+50.00	14850.00	50.00	54.73	11.92	17.82	94	22	28	5943	3995	242
149+00.00	14900.00	50.00	41.49	11.92	2.19	89	22	19	6032	4019	285
149+50.00	14950.00	50.00	119.96	11.92	1.02	149	22	3	6181	4023	409
149+73.85	14973.85	23.85	80.31	11.92	1.35	88	11	1	6269	4024	484
150+00.00	15000.00	26.15	49.48	11.92	3.32	63	12	2	6332	4026	533
150+50.00	15050.00	50.00	22.73	11.92	5.79	67	22	8	6399	4036	568
151+00.00	15100.00	50.00	22.08	11.92	3.36	41	22	8	6440	4046	577
151+50.00	15150.00	50.00	53.13	11.92	0.00	70	22	3	6510	4050	621
152+00.00	15200.00	50.00	47.17	11.92	0.00	93	22	0	6603	4050	692
152+15.65	15215.65	15.65	32.79	11.92	0.00	23	7	0	6626	4050	708
152+50.00	15250.00	34.35	22.66	11.92	5.37	35	15	3	6661	4054	724
153+00.00	15300.00	50.00	11.85	11.92	44.52	32	22	46	6693	4111	677
154+00.00	15400.00	100.00	34.86	11.92	0.00	86	44	82	6779	4214	616
154+25.46	15425.46	25.46	42.64	11.92	0.00	37	11	0	6816	4214	642
155+00.00	15500.00	74.54	38.69	11.92	4.19	112	33	6	6928	4221	714
155+01.23	15501.23	1.23	38.17	11.92	4.24	2	1	0	6930	4221	715
155+50.00	15550.00	48.77	33.30	11.92	0.20	65	22	4	6995	4226	753
161+88.00	16188.00	0.00	116.94	11.92	0.00	0	0	0	6995	4226	753
162+00.00	16200.00	12.00	131.77	11.92	0.00	55	5	0	7050	4226	803
163+00.00	16300.00	100.00	17.88	11.92	17.01	277	44	31	7327	4265	997
164+00.00	16400.00	100.00	0.00	11.92	23.71	33	44	75	7360	4359	892
164+59.73	16459.73	59.73	0.00	11.92	48.03	0	26	79	7360	4458	768
165+00.00	16500.00	40.27	0.61	11.92	51.73	0	18	74	7360	4550	657
166+00.00	16600.00	100.00	57.07	11.92	1.37	107	44	98	7467	4673	598
166+13.00	16613.00	13.00	59.63	11.92	0.06	28	6	0	7495	4673	620
190+00.00	19000.00	0.00	38.26	11.92	1.33	0	0	0	7495	4673	620
190+50.00	19050.00	50.00	70.47	11.92	11.41	101	22	12	7596	4688	684
190+69.10	19069.10	19.10	42.93	11.92	10.86	40	8	8	7636	4698	706
191+00.00	19100.00	30.90	24.93	11.92	11.56	39	14	13	7675	4714	714
192+00.00	19200.00	100.00	119.10	11.92	0.13	267	44	22	7942	4741	910
193+00.00	19300.00	100.00	53.20	11.92	0.25	319	44	1	8261	4743	1184
194+00.00	19400.00	100.00	143.24	11.92	26.10	364	44	49	8625	4804	1442
195+00.00	19500.00	100.00	0.00	11.92	112.89	265	44	257	8890	5125	1342
196+00.00	19600.00	100.00	0.00	11.92	138.39	0	44	465	8890	5706	717
197+00.00	19700.00	100.00	2.47	11.92	11.06	5	44	277	8895	6053	332
198+00.00	19800.00	100.00	49.31	11.92	0.10	96	44	21	8991	6079	357
199+00.00	19900.00	100.00	18.18	11.92	10.47	125	44	20	9116	6104	413
200+00.00	20000.00	100.00	46.31	11.92	0.13	119	44	20	9235	6129	463
200+50.00	20050.00	50.00	127.41	11.92	0.00	161	22	0	9396	6129	602
201+00.00	20100.00	50.00	97.49	11.92	0.00	208	22	0	9604	6129	788
201+50.00	20150.00	50.00	64.90	11.92	0.00	150	22	0	9754	6129	916
202+00.00	20200.00	50.00	25.51	11.92	2.01	84	22	2	9838	6131	976
202+19.05	20219.05	19.05	10.88	11.92	17.02	13	8	7	9851	6140	972

CONTINUED

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
4 - MASS ORDINATE	

CTH E

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
203+00.00	20300.00	80.95	29.43	11.92	7.50	60	36	37	9911	6186	950
204+00.00	20400.00	100.00	112.09	11.92	0.11	262	44	14	10173	6204	1150
205+00.00	20500.00	100.00	56.99	11.92	13.35	313	44	25	10486	6235	1388
206+00.00	20600.00	100.00	96.20	11.92	11.28	284	44	46	10770	6293	1571
207+00.00	20700.00	100.00	79.73	11.92	3.89	326	44	28	11096	6328	1818
208+00.00	20800.00	100.00	25.14	11.92	15.17	194	44	35	11290	6371	1924
209+00.00	20900.00	100.00	19.77	11.92	10.28	83	44	47	11373	6430	1904
210+00.00	21000.00	100.00	38.80	11.92	11.95	108	44	41	11481	6481	1917
210+39.41	21039.41	39.41	27.95	11.92	5.26	49	17	13	11530	6498	1933
210+60.00	21060.00	20.59	30.85	11.92	0.64	22	9	2	11552	6500	1943
211+00.00	21100.00	40.00	5.79	11.92	8.62	27	18	7	11579	6509	1943
211+50.00	21150.00	50.00	0.00	11.92	77.46	5	22	80	11584	6609	1876
212+00.00	21200.00	50.00	0.00	11.92	131.70	0	22	194	11584	6851	1562
212+50.00	21250.00	50.00	0.00	11.92	83.90	0	22	200	11584	7101	1290
213+00.00	21300.00	50.00	3.03	11.92	23.20	3	22	99	11587	7225	1147
213+50.00	21350.00	50.00	70.81	11.92	0.00	68	22	21	11655	7251	1167
214+00.00	21400.00	50.00	109.96	11.92	0.00	167	22	0	11822	7251	1312
214+50.00	21450.00	50.00	99.57	11.92	0.26	194	22	0	12016	7251	1484
215+00.00	21500.00	50.00	57.77	11.92	0.39	146	22	1	12162	7253	1607
215+50.00	21550.00	50.00	79.32	11.92	0.00	127	22	0	12289	7253	1712
216+00.00	21600.00	50.00	81.76	11.92	0.00	149	22	0	12438	7253	1839
216+50.00	21650.00	50.00	60.14	11.92	20.77	131	22	19	12569	7276	1924
217+00.00	21700.00	50.00	31.94	11.92	72.26	85	22	86	12654	7384	1879
217+50.00	21750.00	50.00	42.67	11.92	0.08	69	22	57	12723	7468	1843
218+00.00	21800.00	50.00	78.59	11.92	0.00	112	22	0	12835	7468	1933
218+50.00	21850.00	50.00	29.97	11.92	1.13	101	22	1	12936	7469	2010
219+00.00	21900.00	50.00	14.72	11.92	5.00	41	22	6	12977	7476	2022
220+00.00	22000.00	100.00	19.17	11.92	13.86	63	44	35	13040	7520	1997
220+23.67	22023.67	23.67	15.46	11.92	6.93	15	10	9	13055	7531	1991
221+00.00	22100.00	76.33	82.81	11.92	0.00	139	34	10	13194	7544	2083
222+00.00	22200.00	100.00	8.26	11.92	16.12	169	44	30	13363	7581	2171
222+60.34	22260.34	60.34	13.03	11.92	9.56	24	27	29	13387	7618	2132
222+81.18	22281.18	20.84	21.09	11.92	28.96	13	9	15	13400	7636	2117
223+00.00	22300.00	18.82	22.36	11.92	18.59	15	8	17	13415	7658	2103
224+00.00	22400.00	100.00	37.89	11.92	0.00	112	44	34	13527	7700	2128
225+00.00	22500.00	100.00	69.18	11.92	2.08	198	44	4	13725	7705	2277
226+00.00	22600.00	100.00	10.48	11.92	18.40	148	44	38	13873	7753	2334
227+00.00	22700.00	100.00	39.52	11.92	0.00	93	44	34	13966	7795	2340
227+50.00	22750.00	50.00	12.99	11.92	5.20	49	22	5	14015	7801	2361
228+00.00	22800.00	50.00	2.41	11.92	19.46	14	22	23	14029	7830	2324
229+00.00	22900.00	100.00	48.67	11.92	0.00	95	44	36	14124	7875	2330
230+00.00	23000.00	100.00	225.26	11.92	0.00	507	44	0	14631	7875	2793
231+00.00	23100.00	100.00	23.70	11.92	37.83	461	44	70	15092	7963	3123
231+75.55	23175.55	75.55	91.28	11.92	0.00	161	33	53	15253	8029	3184
232+00.00	23200.00	24.45	137.84	11.92	0.00	104	11	0	15357	8029	3277
233+00.00	23300.00	100.00	136.84	11.92	0.00	509	44	0	15866	8029	3742
234+00.00	23400.00	100.00	8.12	11.92	16.21	268	44	30	16134	8066	3929
235+00.00	23500.00	100.00	16.25	11.92	5.16	45	44	40	16179	8116	3880
235+47.87	23547.87	47.87	44.55	11.92	1.46	54	21	6	16233	8124	3905
236+00.00	23600.00	52.13	53.66	11.92	0.00	95	23	1	16328	8125	3976
237+00.00	23700.00	100.00	86.71	11.92	0.00	260	44	0	16588	8125	4192
238+00.00	23800.00	100.00	17.85	11.92	1.38	194	44	3	16782	8129	4338
239+00.00	23900.00	100.00	41.64	11.92	1.35	110	44	5	16892	8135	4398
240+00.00	24000.00	100.00	277.53	11.92	0.00	591	44	2	17483	8138	4943
241+00.00	24100.00	100.00	80.10	11.92	0.00	662	44	0	18145	8138	5561

CONTINUED

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL THIS DOES NOT SHOW UP IN CROSS SECTIONS
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
4 - MASS ORDINATE	

CTH E

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
241+50.00	24150.00	50.00	22.62	11.92	7.09	95	22	7	18240	8146	5625
242+00.00	24200.00	50.00	13.51	11.92	2.15	33	22	9	18273	8158	5625
242+10.04	24210.04	10.04	11.47	11.92	5.30	5	4	1	18278	8159	5624
243+00.00	24300.00	89.96	0.45	11.92	22.08	20	40	46	18298	8216	5547
243+61.51	24361.51	61.51	14.74	11.92	2.67	17	27	28	18315	8251	5502
244+00.00	24400.00	38.49	24.15	11.92	0.10	28	17	2	18343	8254	5510
245+00.00	24500.00	100.00	40.76	11.92	0.76	120	44	2	18463	8256	5584
245+22.70	24522.70	22.70	33.12	11.92	0.48	31	10	1	18494	8258	5604
246+00.00	24600.00	77.30	86.41	11.92	0.00	171	34	1	18665	8259	5739
247+00.00	24700.00	100.00	139.56	11.92	0.00	418	44	0	19083	8259	6113
248+00.00	24800.00	100.00	64.03	11.92	122.78	377	44	227	19460	8543	6163
249+00.00	24900.00	100.00	37.08	11.92	14.22	187	44	254	19647	8860	5988
250+00.00	25000.00	100.00	92.32	11.92	0.00	240	44	26	19887	8893	6152
251+00.00	25100.00	100.00	67.77	11.92	12.58	296	44	23	20183	8921	6375
252+00.00	25200.00	100.00	120.07	11.92	0.00	348	44	23	20531	8950	6650
252+83.76	25283.76	83.76	38.44	11.92	0.00	246	37	0	20777	8950	6859
253+00.00	25300.00	16.24	22.02	11.92	1.41	18	7	0	20795	8950	6870
254+00.00	25400.00	100.00	98.52	11.92	0.00	223	44	3	21018	8954	7045
255+00.00	25500.00	100.00	84.14	11.92	11.95	338	44	22	21356	8981	7312
256+00.00	25600.00	100.00	4.82	11.92	12.47	165	44	45	21521	9038	7377
257+00.00	25700.00	100.00	23.98	11.92	1.40	53	44	26	21574	9070	7353
258+00.00	25800.00	100.00	67.29	11.92	0.00	169	44	3	21743	9074	7474
259+00.00	25900.00	100.00	53.05	11.92	0.86	223	44	2	21966	9076	7651
260+00.00	26000.00	100.00	40.08	11.92	0.00	172	44	2	22138	9079	7776
260+14.15	26014.15	14.15	40.82	11.92	0.00	21	6	0	22159	9079	7791
261+00.00	26100.00	85.85	48.75	11.92	0.00	142	38	0	22301	9079	7895
262+00.00	26200.00	100.00	138.78	11.92	0.00	347	44	0	22648	9079	8198
263+00.00	26300.00	100.00	33.78	11.92	0.34	320	44	1	22968	9080	8473
264+00.00	26400.00	100.00	15.32	11.92	4.97	91	44	10	23059	9093	8508
265+00.00	26500.00	100.00	12.46	11.92	8.34	51	44	25	23110	9124	8483
266+00.00	26600.00	100.00	353.70	11.92	0.00	678	44	15	23788	9143	9099
267+00.00	26700.00	100.00	129.48	11.92	0.00	895	44	0	24683	9143	9950
268+00.00	26800.00	100.00	14.16	11.92	1.75	266	44	3	24949	9146	10168
268+50.00	26850.00	50.00	32.39	11.92	0.09	43	22	2	24992	9149	10186
269+00.00	26900.00	50.00	63.48	11.92	0.52	89	22	1	25081	9150	10252
270+00.00	27000.00	100.00	54.92	11.92	9.96	219	44	19	25300	9174	10403
270+30.77	27030.77	30.77	44.25	11.92	13.42	57	14	13	25357	9190	10430
271+00.00	27100.00	69.23	25.28	11.92	0.00	89	31	17	25446	9211	10467
271+50.00	27150.00	50.00	20.20	11.92	6.72	42	22	6	25488	9219	10479
272+00.00	27200.00	50.00	36.19	11.92	0.00	52	22	6	25540	9226	10502
273+00.00	27300.00	100.00	54.62	11.92	0.00	168	44	0	25708	9226	10626
274+00.00	27400.00	100.00	76.95	11.92	0.00	244	44	0	25952	9226	10826
275+00.00	27500.00	100.00	73.03	11.92	0.00	278	44	0	26230	9226	11060
276+00.00	27600.00	100.00	59.14	11.92	0.00	245	44	0	26475	9226	11261
277+00.00	27700.00	100.00	33.71	11.92	0.02	172	44	0	26647	9226	11389
277+71.64	27771.64	71.64	30.56	11.92	0.00	85	32	0	26732	9226	11442
278+00.00	27800.00	28.36	34.68	11.92	0.00	34	13	0	26766	9226	11463
279+00.00	27900.00	100.00	28.17	11.92	0.00	116	44	0	26882	9226	11535
280+00.00	28000.00	100.00	28.08	11.92	0.00	104	44	0	26986	9226	11595
280+97.58	28097.58	97.58	34.06	11.92	0.00	112	43	0	27098	9226	11664
281+58.00	28158.00	60.42	42.68	11.92	0.00	86	27	0	27184	9226	11723
						27,184	6,235	7,381			

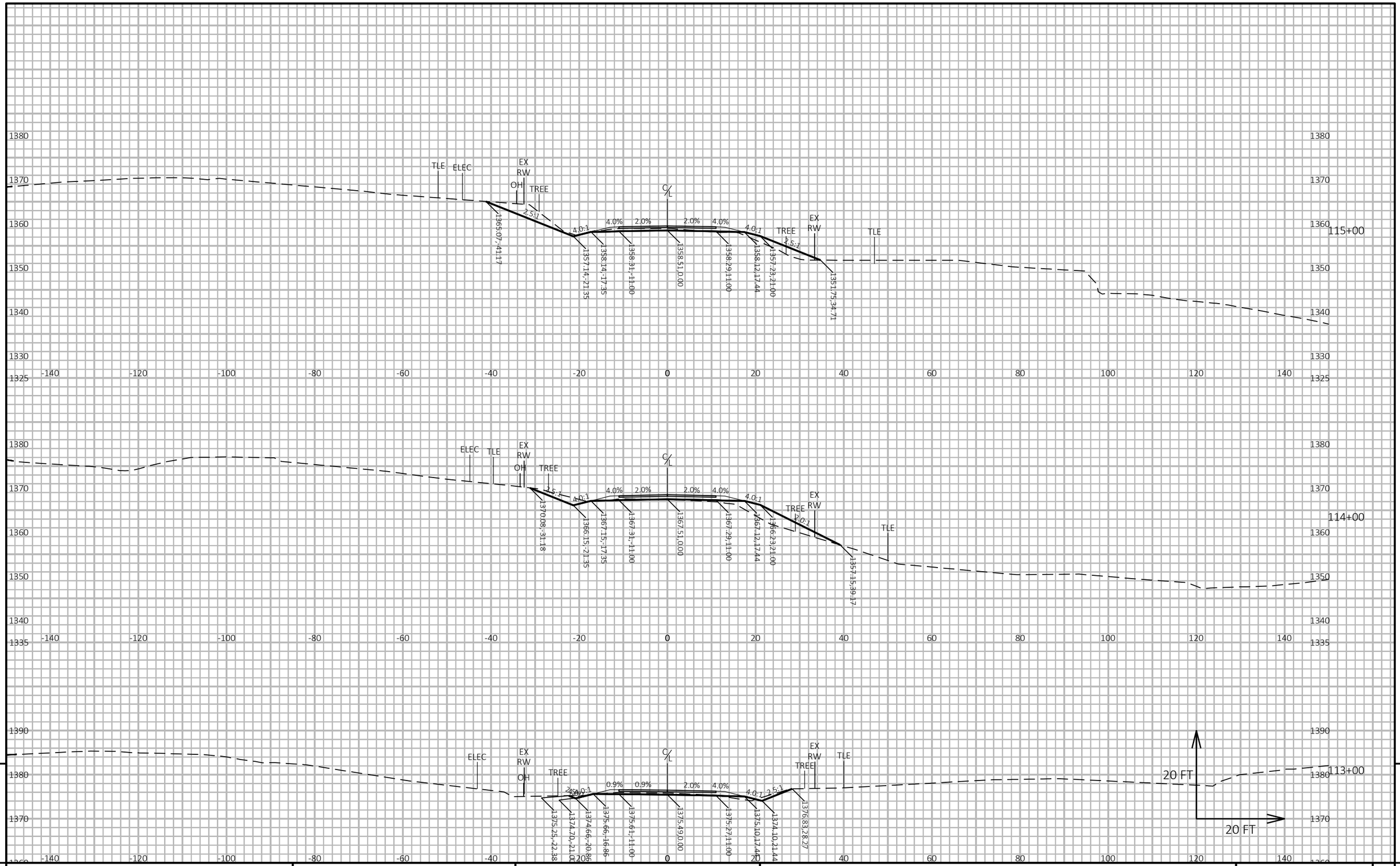
NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
4 - MASS ORDINATE	

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 136	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 66

PLOT DATE : 7/30/2026 1:27 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



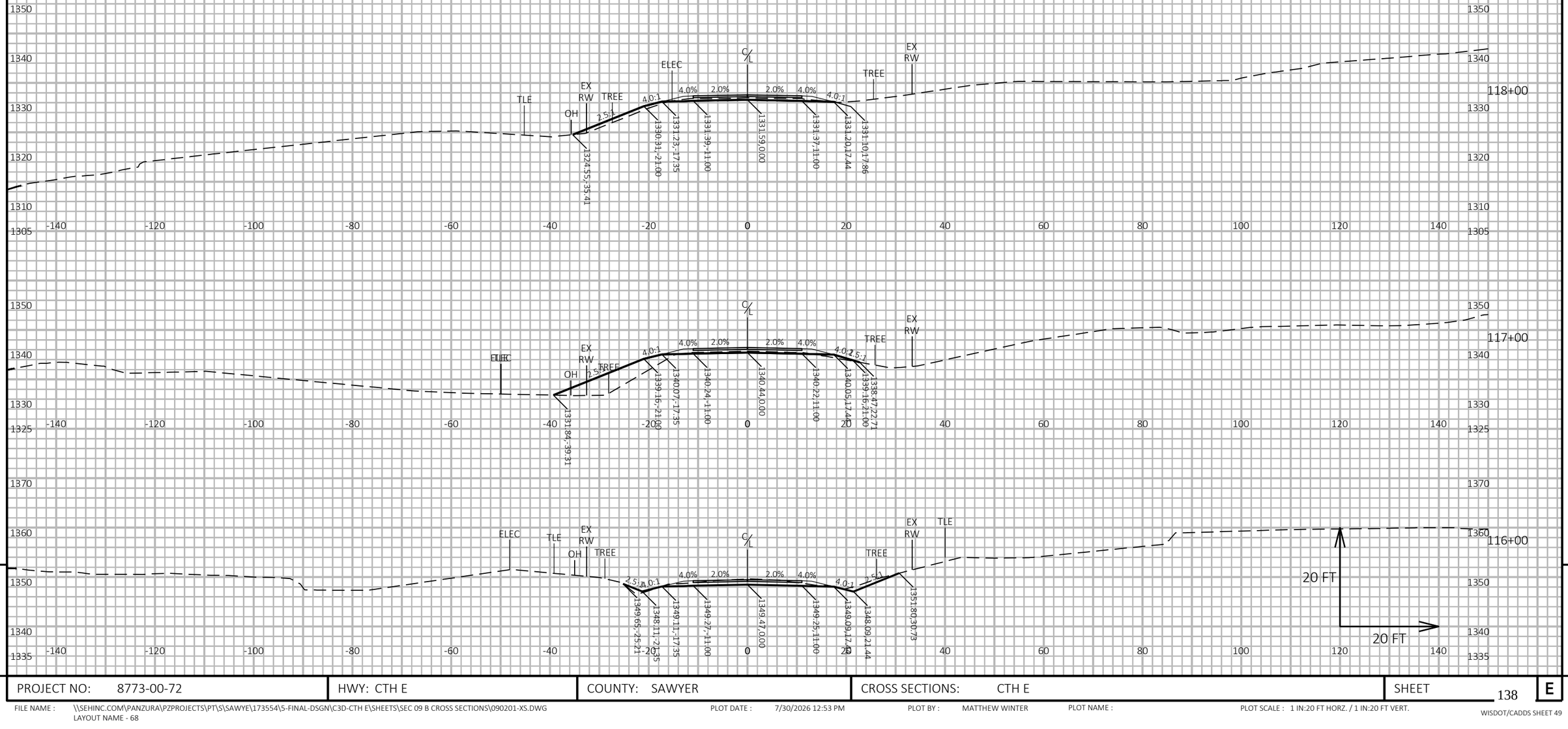
9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 137	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 67

PLOT DATE : 7/30/2026 1:37 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

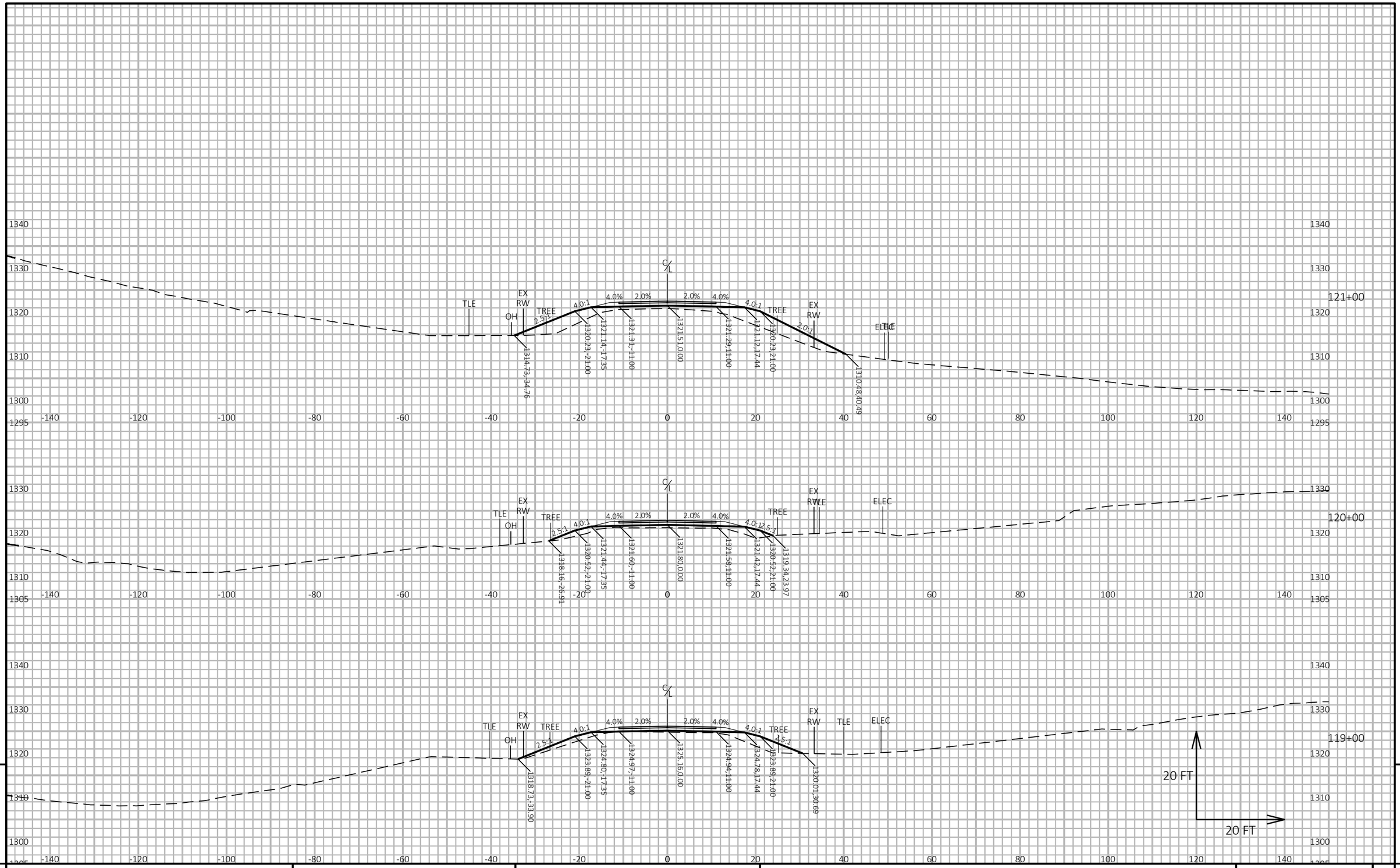
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 138	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 68

PLOT DATE : 7/30/2026 12:53 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

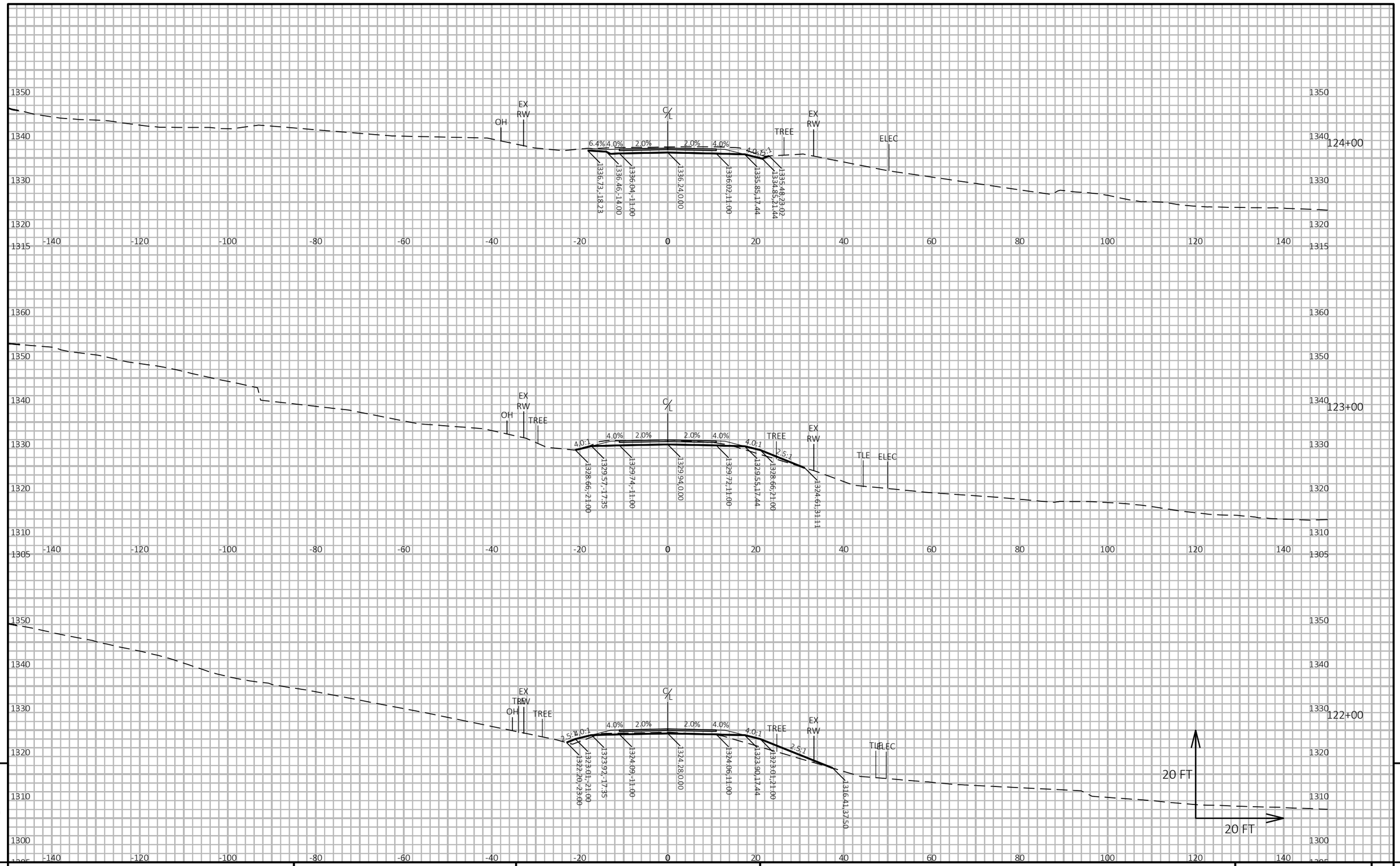


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 139	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 69

PLOT DATE : 7/30/2026 1:16 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



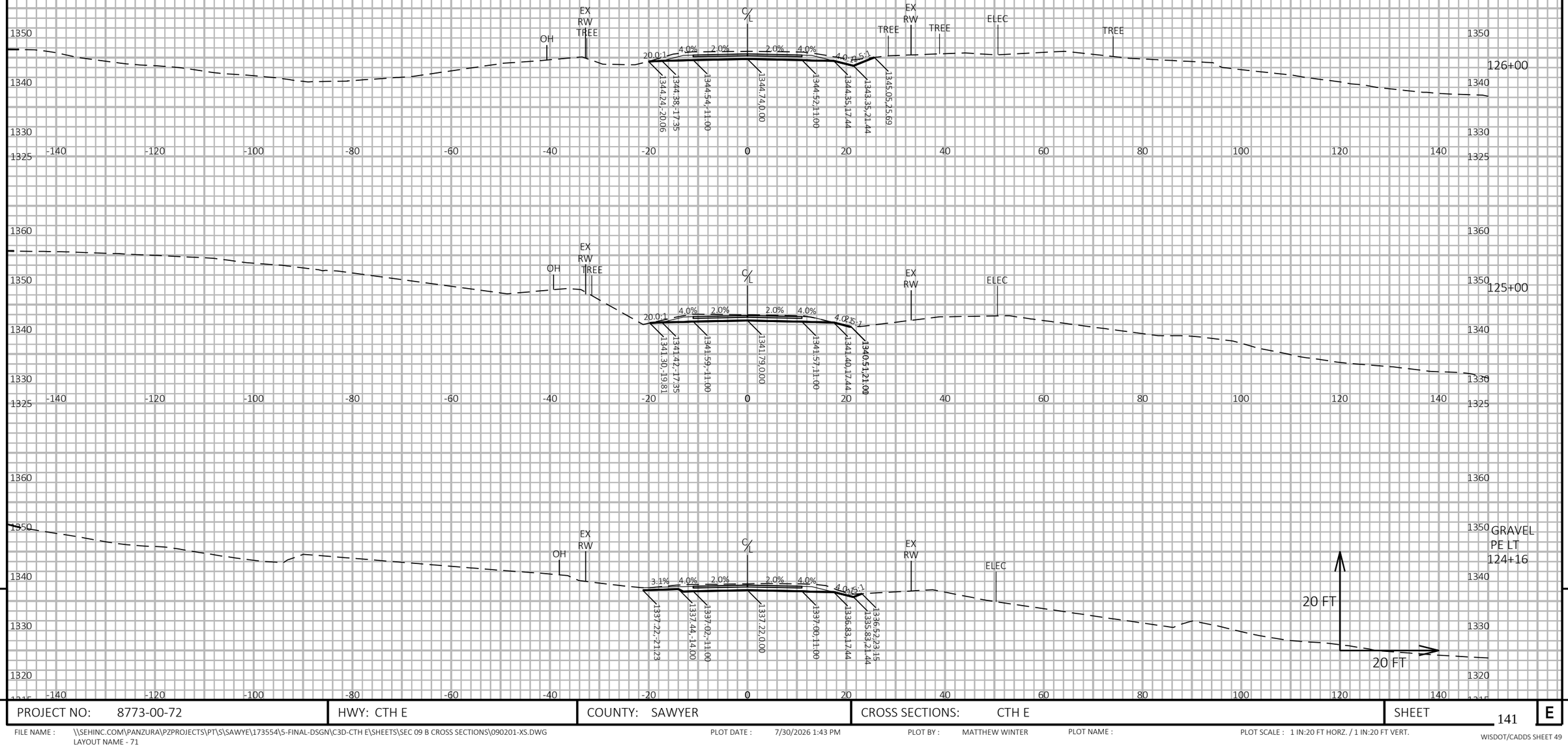
9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 140	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 70

PLOT DATE : 7/30/2026 12:48 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 141	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 71

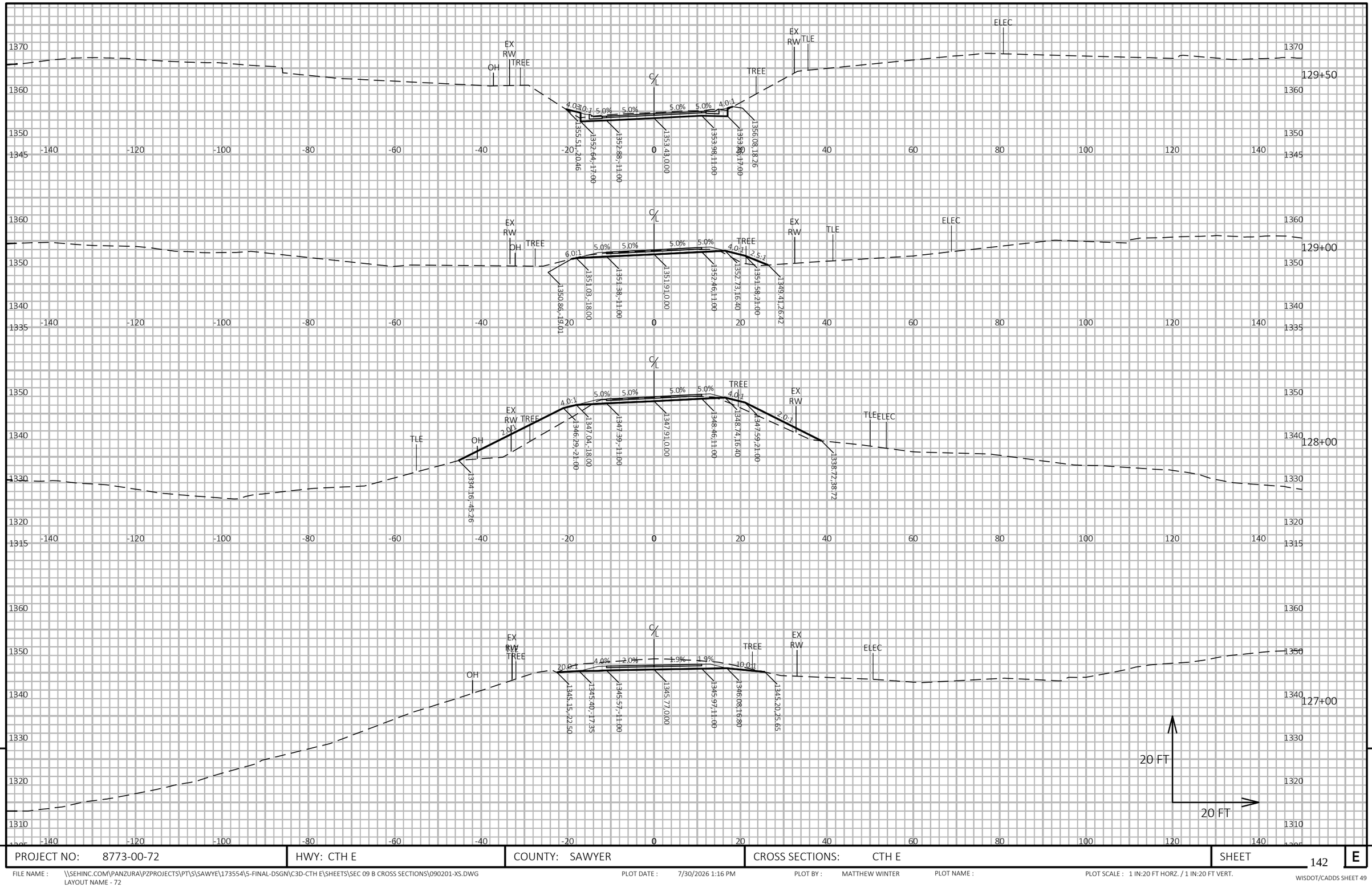
PLOT DATE : 7/30/2026 1:43 PM

PLOT BY : MATTHEW WINTER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 142	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 72

PLOT DATE : 7/30/2026 1:16 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

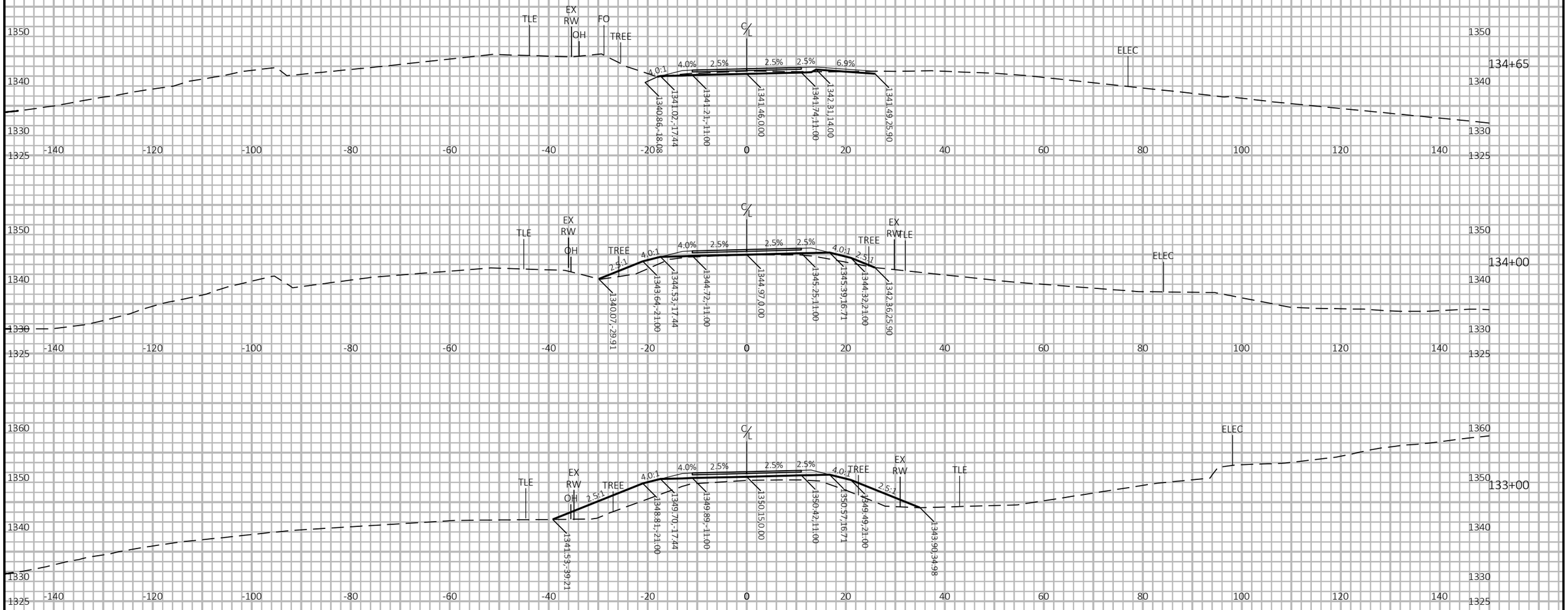
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 143	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 73

PLOT DATE : 7/30/2026 1:07 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

RYNDAK ROAD



9

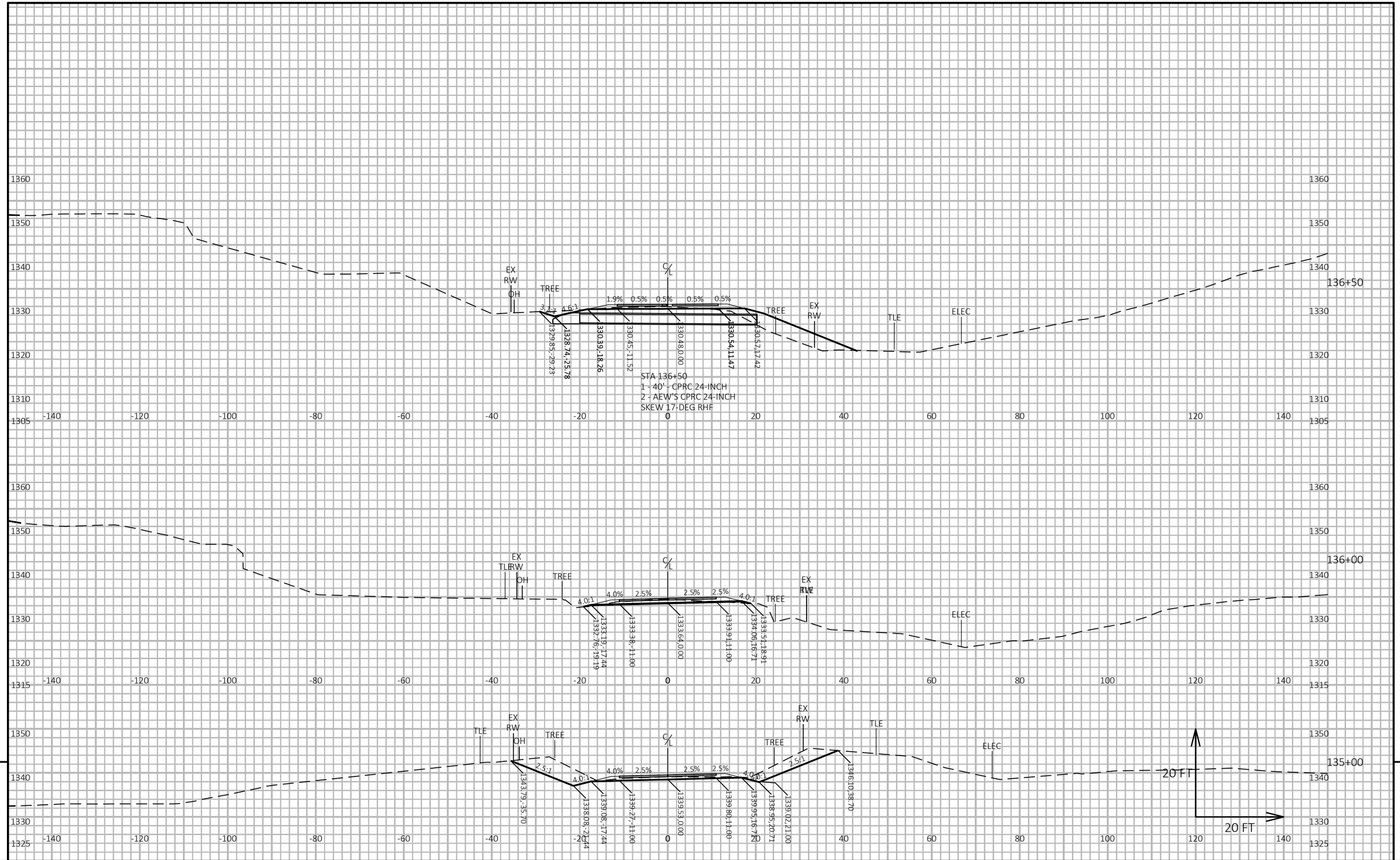
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 144	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 74

PLOT DATE : 7/30/2026 1:58 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

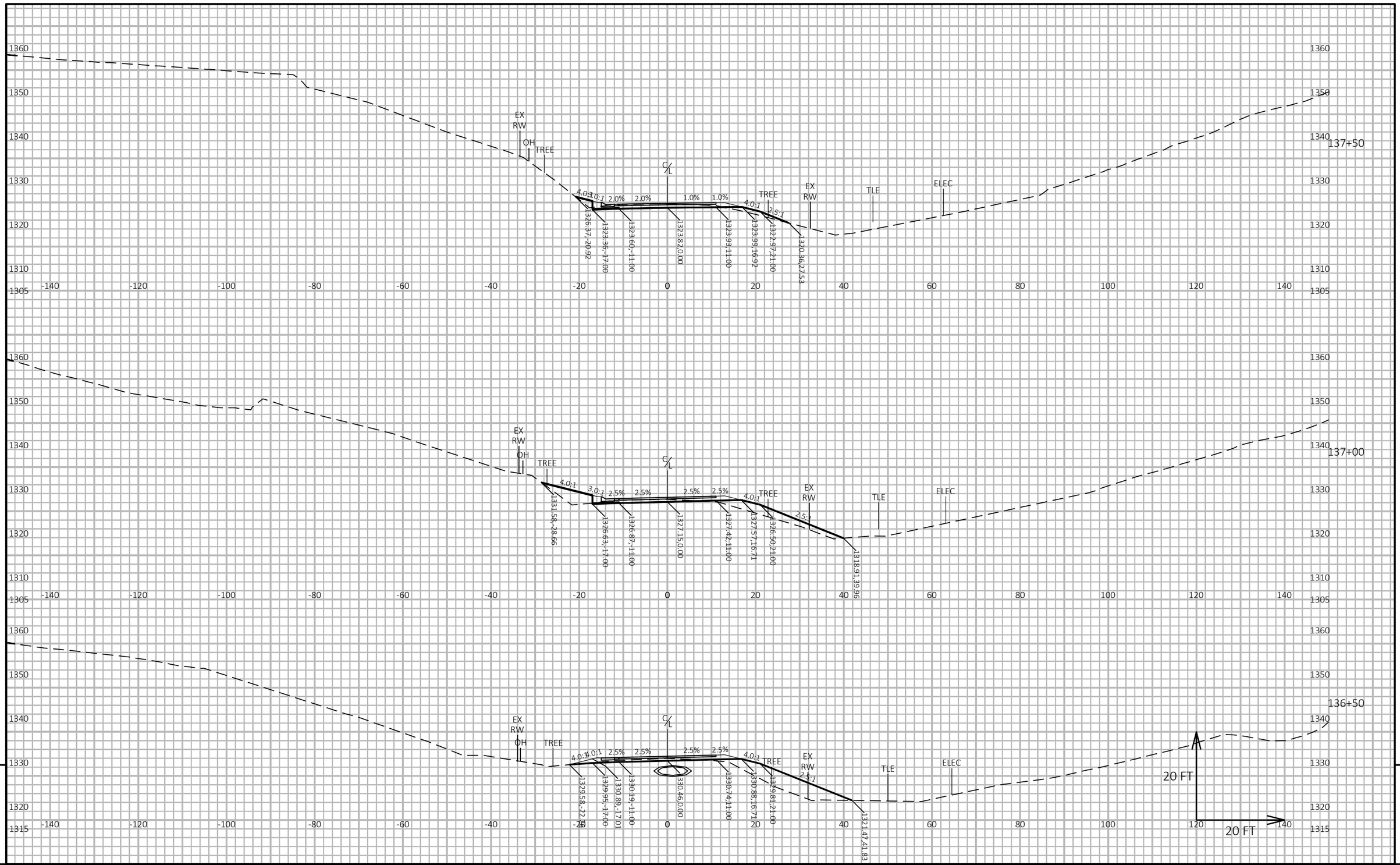


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 145	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 75

PLOT DATE : 9/29/2026 9:37 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

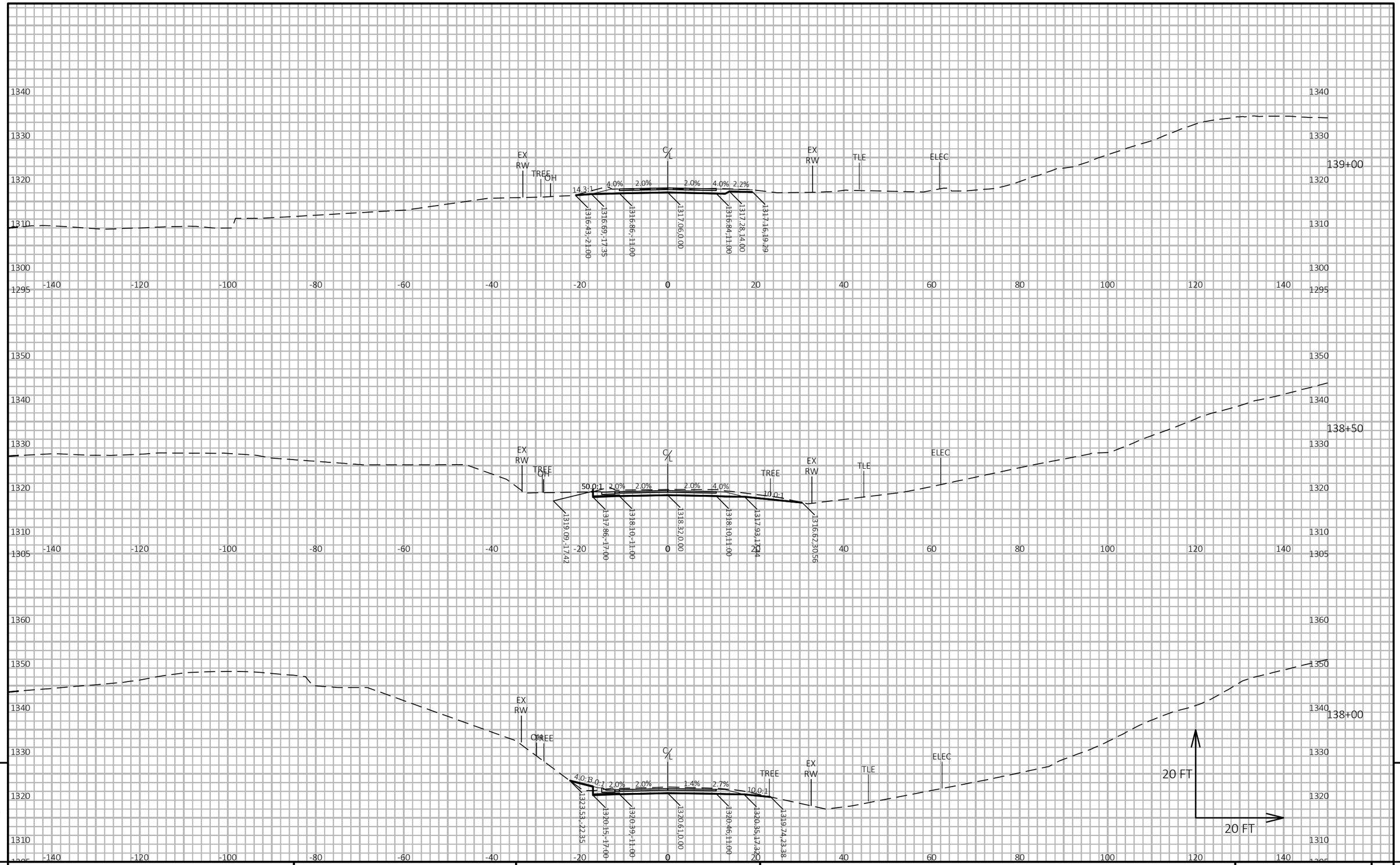
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 146	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 76

PLOT DATE : 7/30/2026 1:12 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

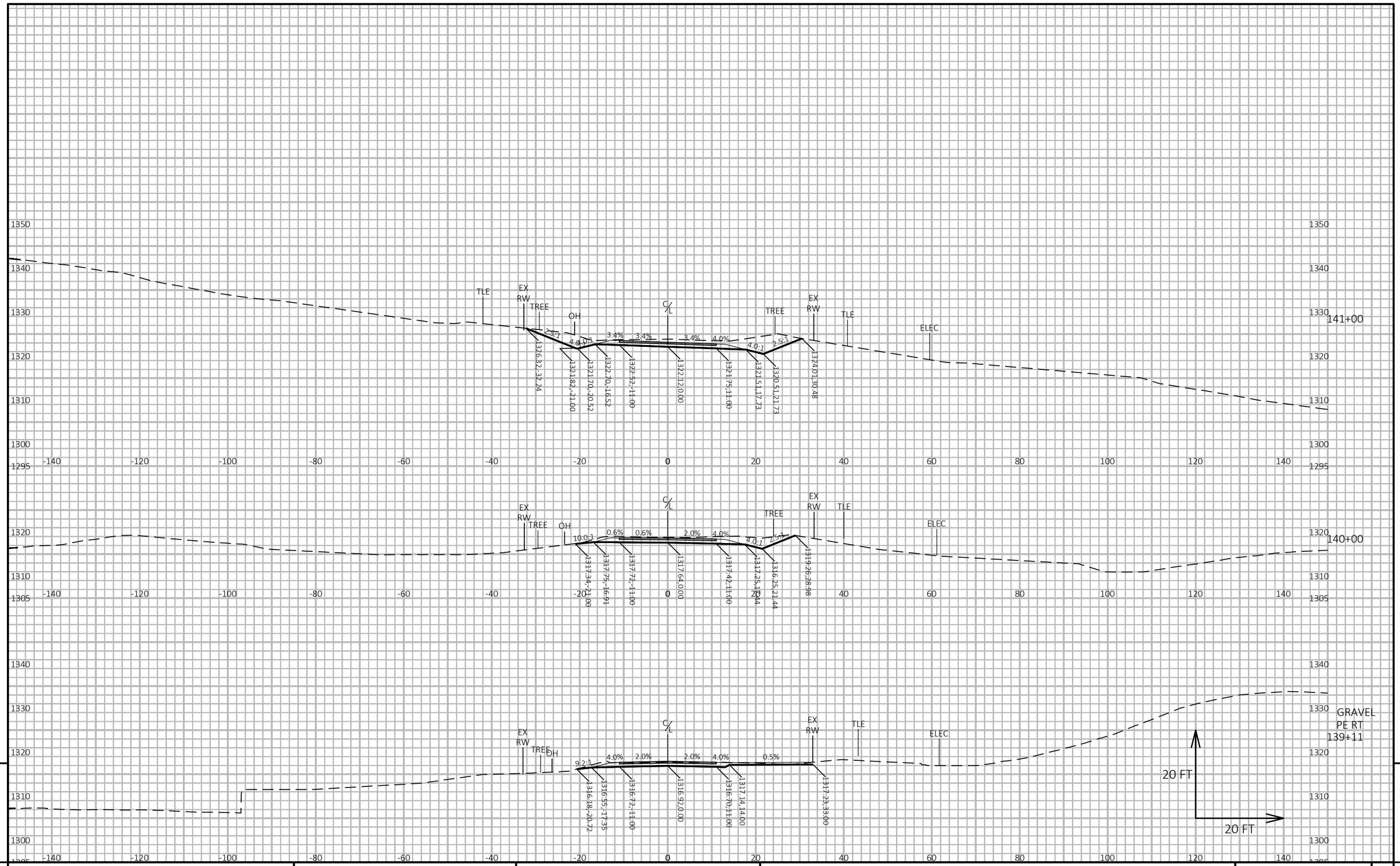


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 147	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 77

PLOT DATE : 7/30/2026 1:07 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

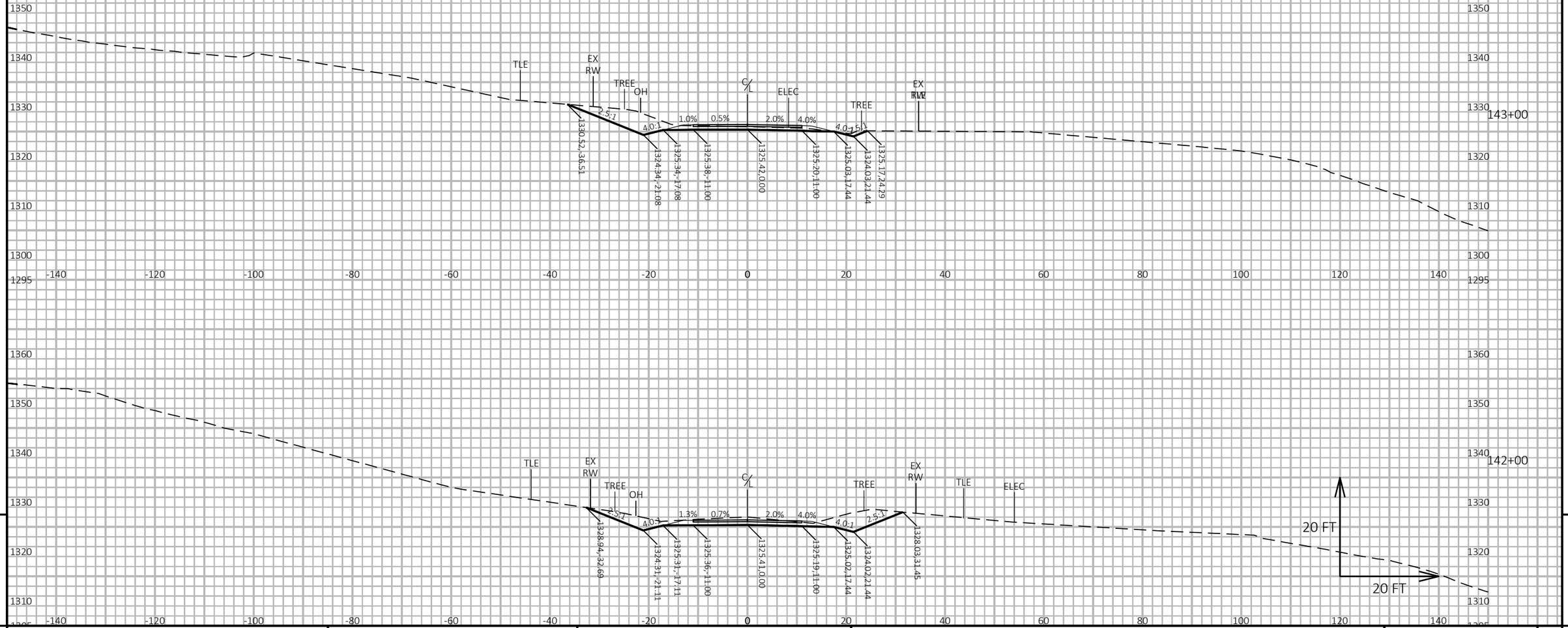


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 148	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 78

PLOT DATE : 7/30/2026 1:51 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

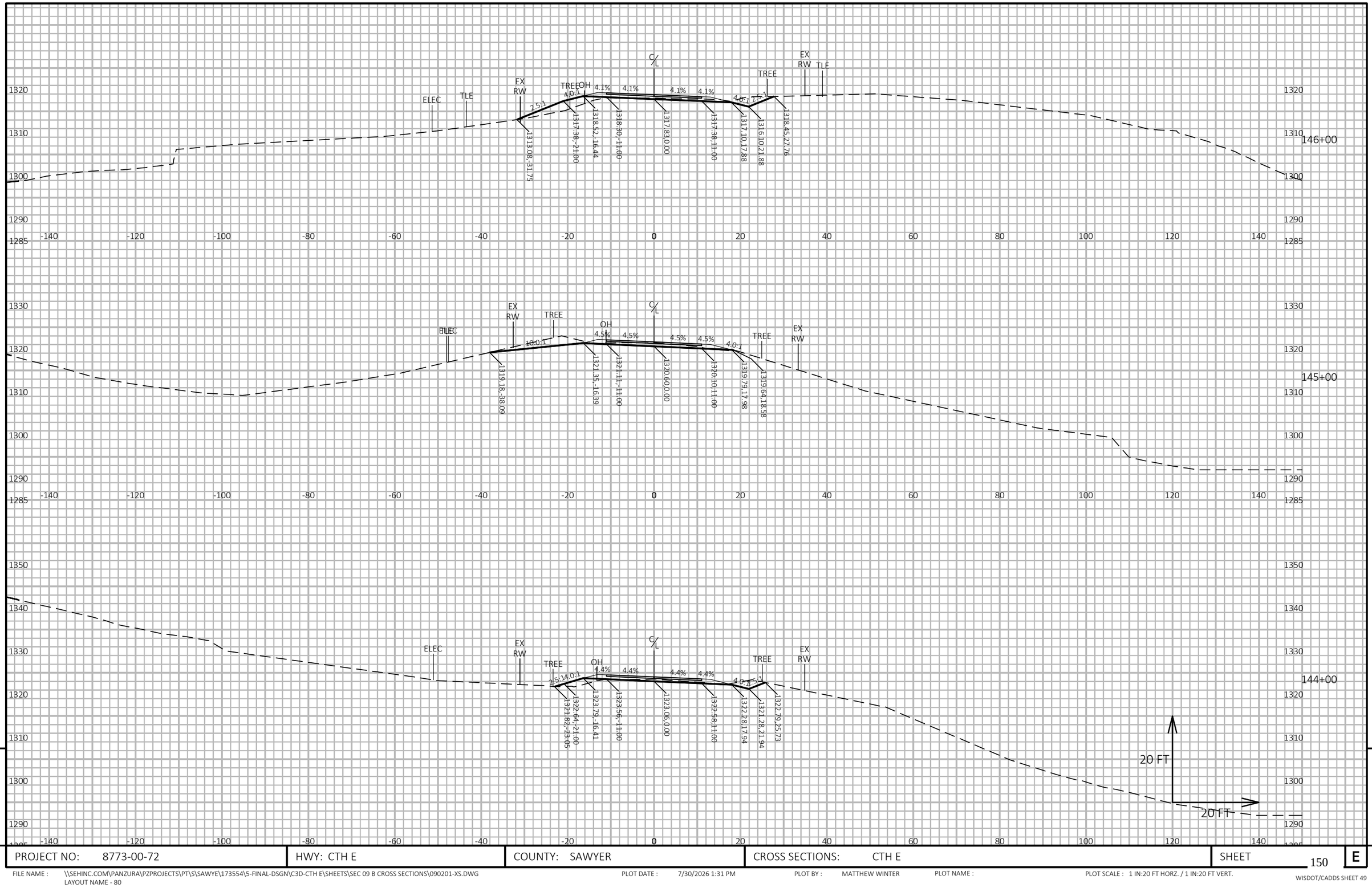
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 149	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 79

PLOT DATE : 7/30/2026 1:15 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



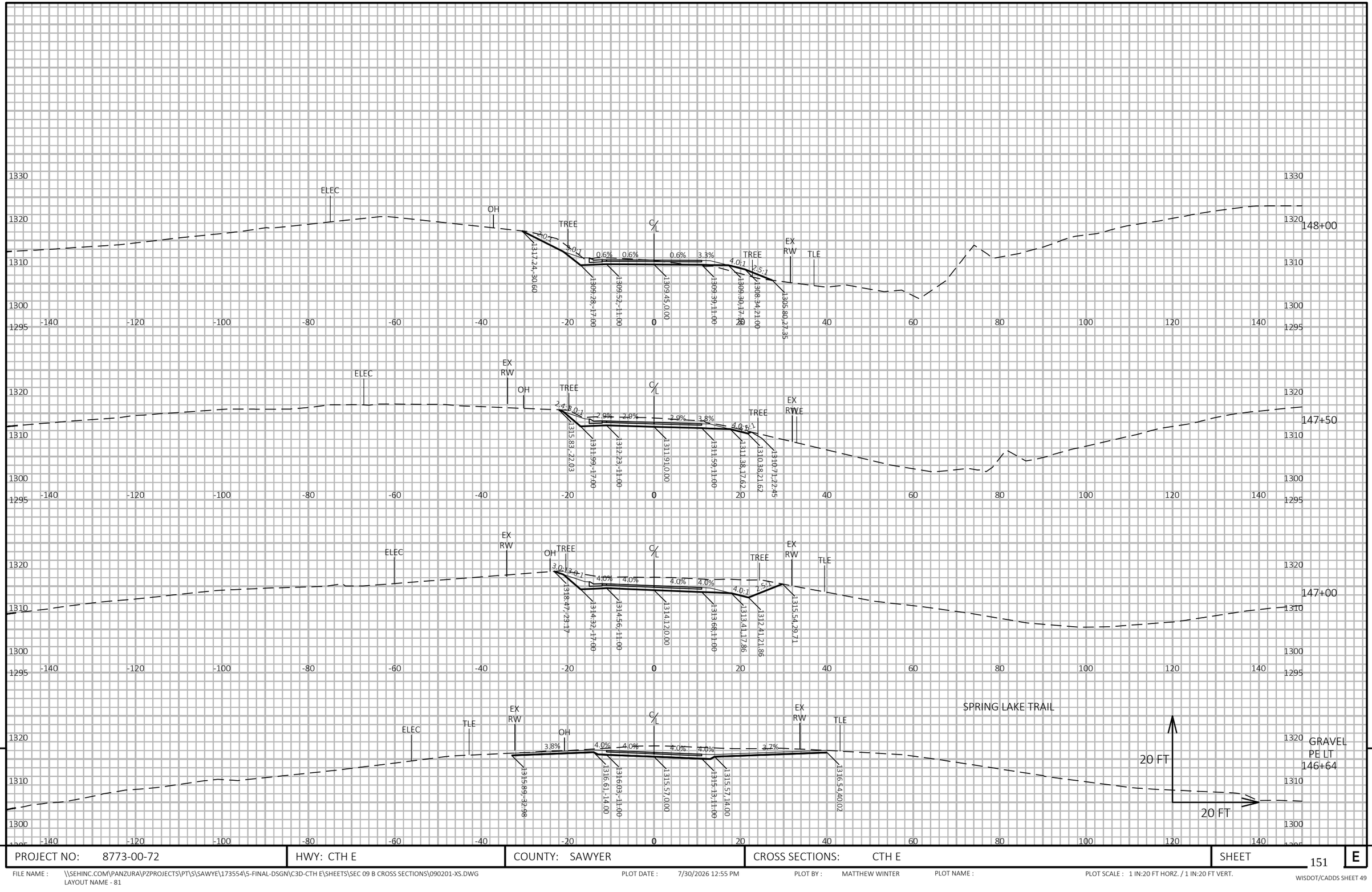
9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 150	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 80

PLOT DATE : 7/30/2026 1:31 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

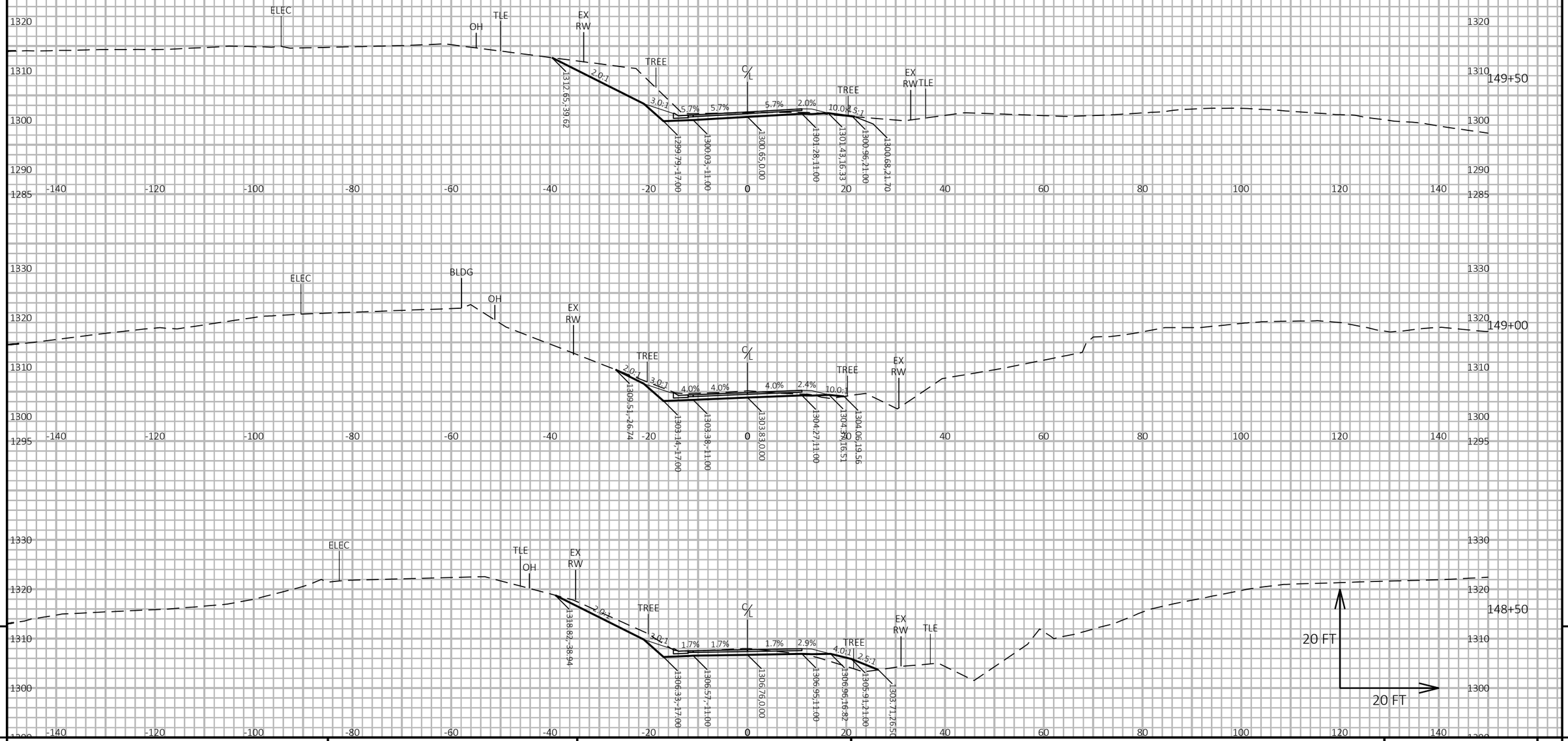


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 151 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 81

PLOT DATE : 7/30/2026 12:55 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

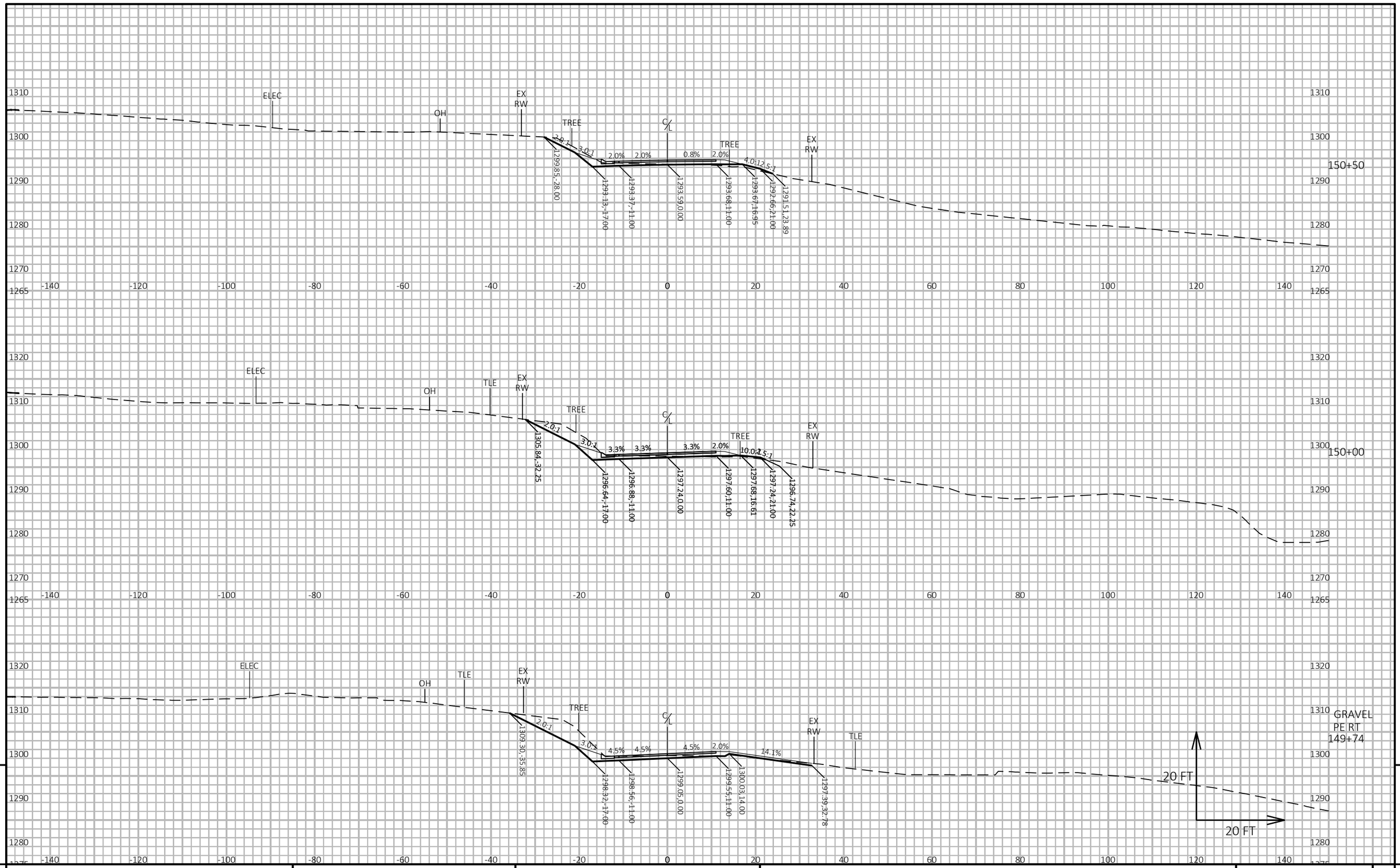
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 152	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 82

PLOT DATE : 7/30/2026 1:39 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



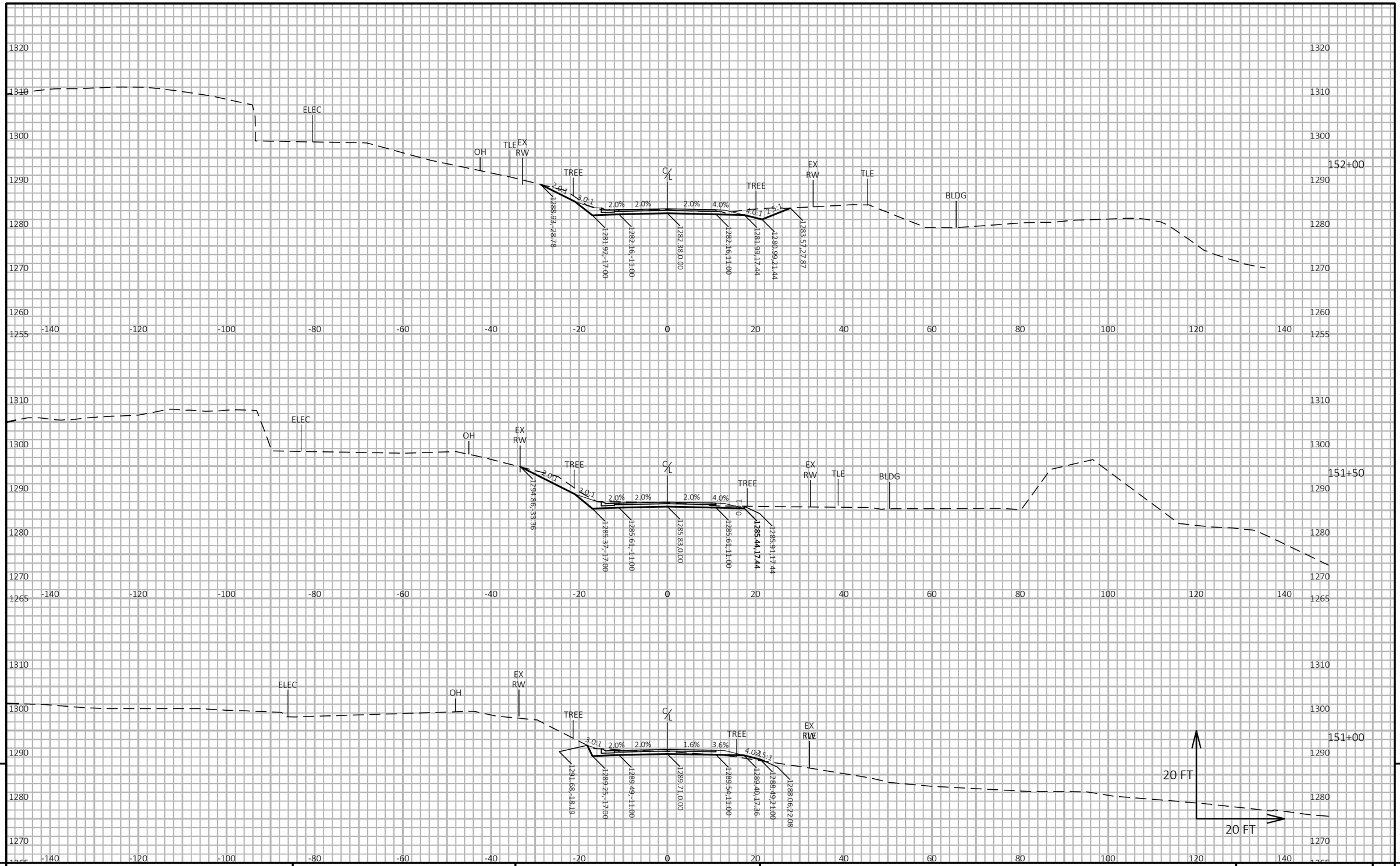
9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 153	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 83

PLOT DATE : 7/30/2026 1:45 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

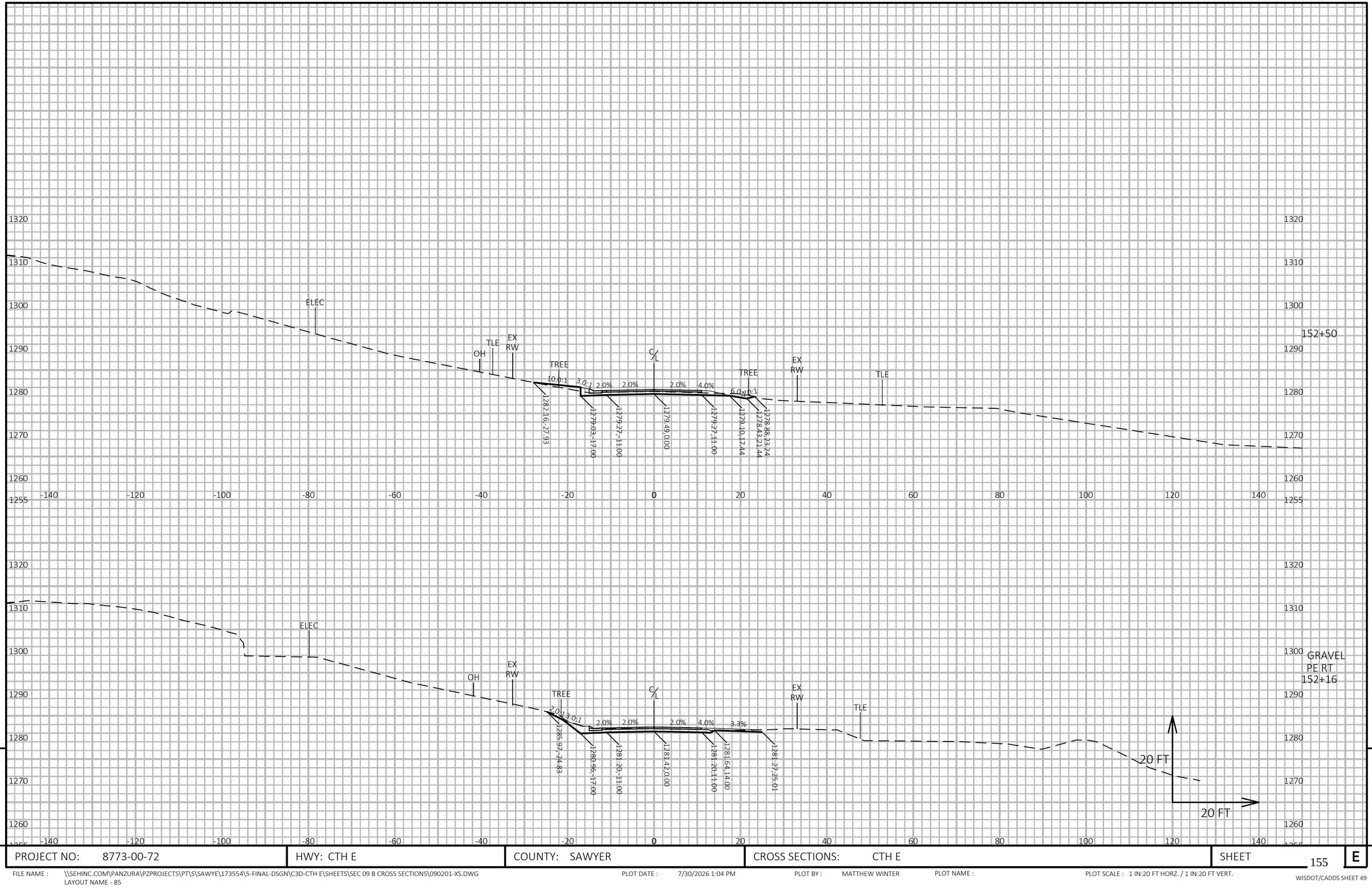


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 154	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 84

PLOT DATE : 7/30/2026 1:22 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

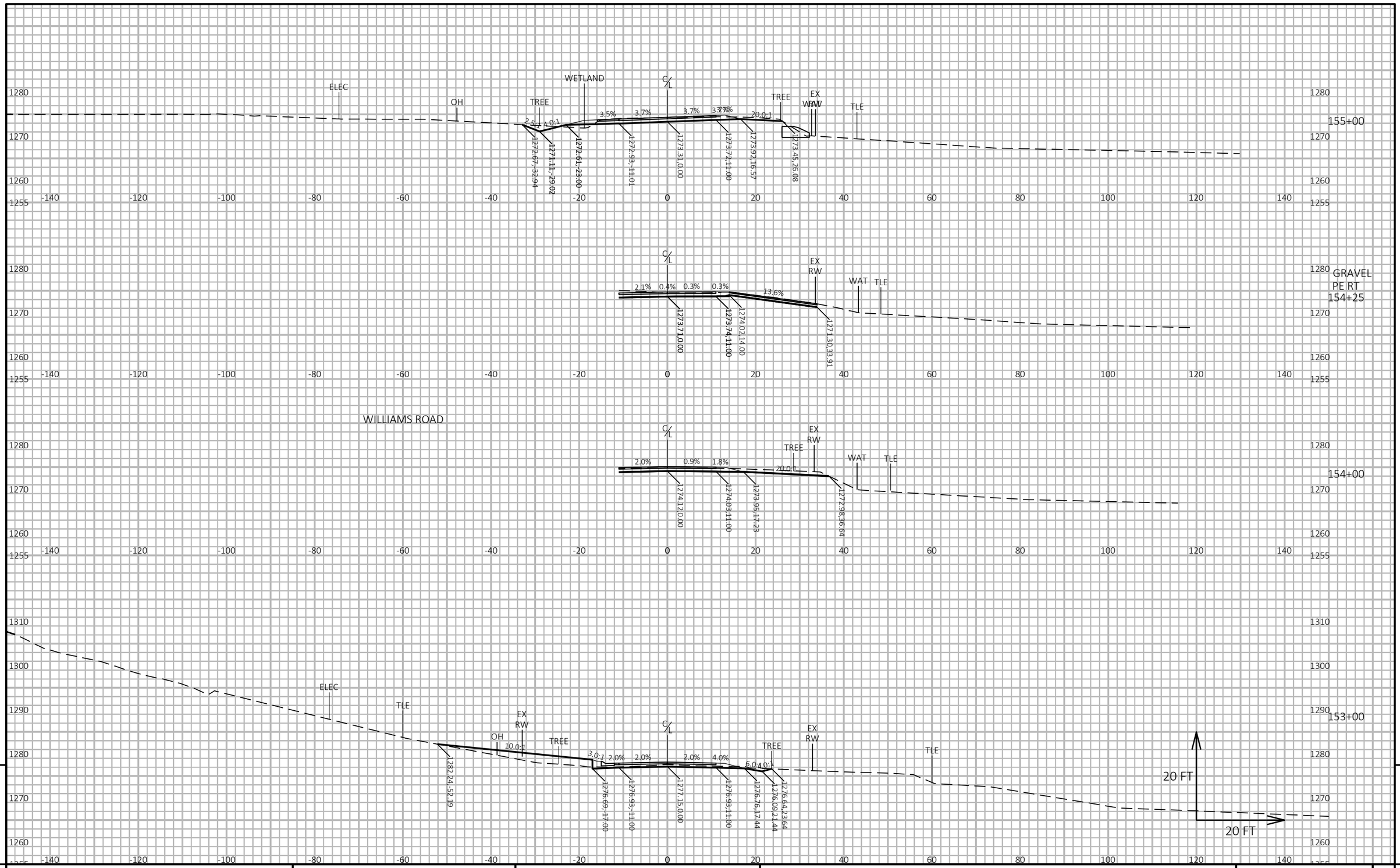
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 155	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 85

PLOT DATE : 7/30/2026 1:04 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

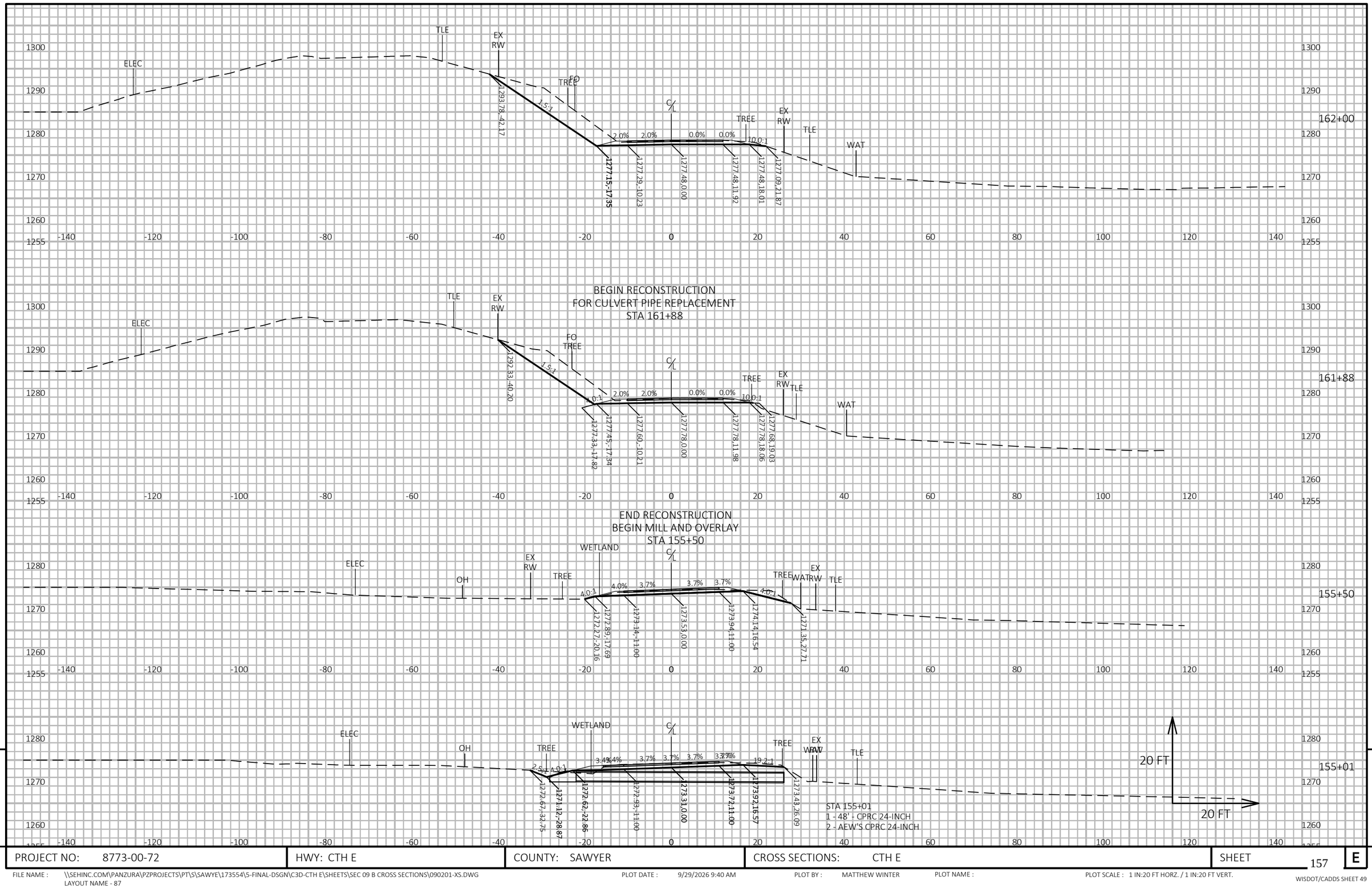
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 156	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 86

PLOT DATE : 7/30/2026 12:57 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 157	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 87

PLOT DATE : 9/29/2026 9:40 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

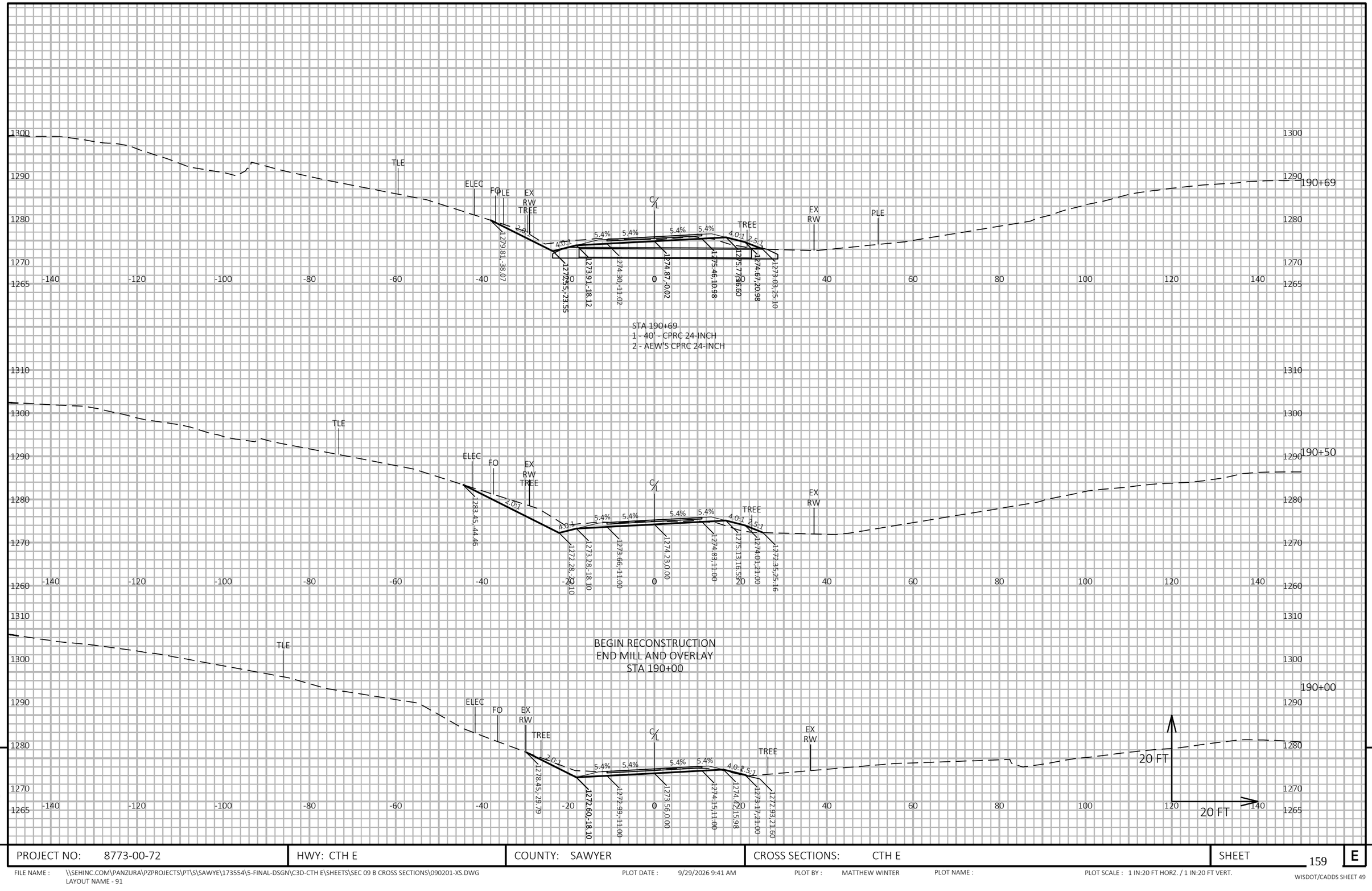
9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 158	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 88

PLOT DATE : 7/30/2026 1:41 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

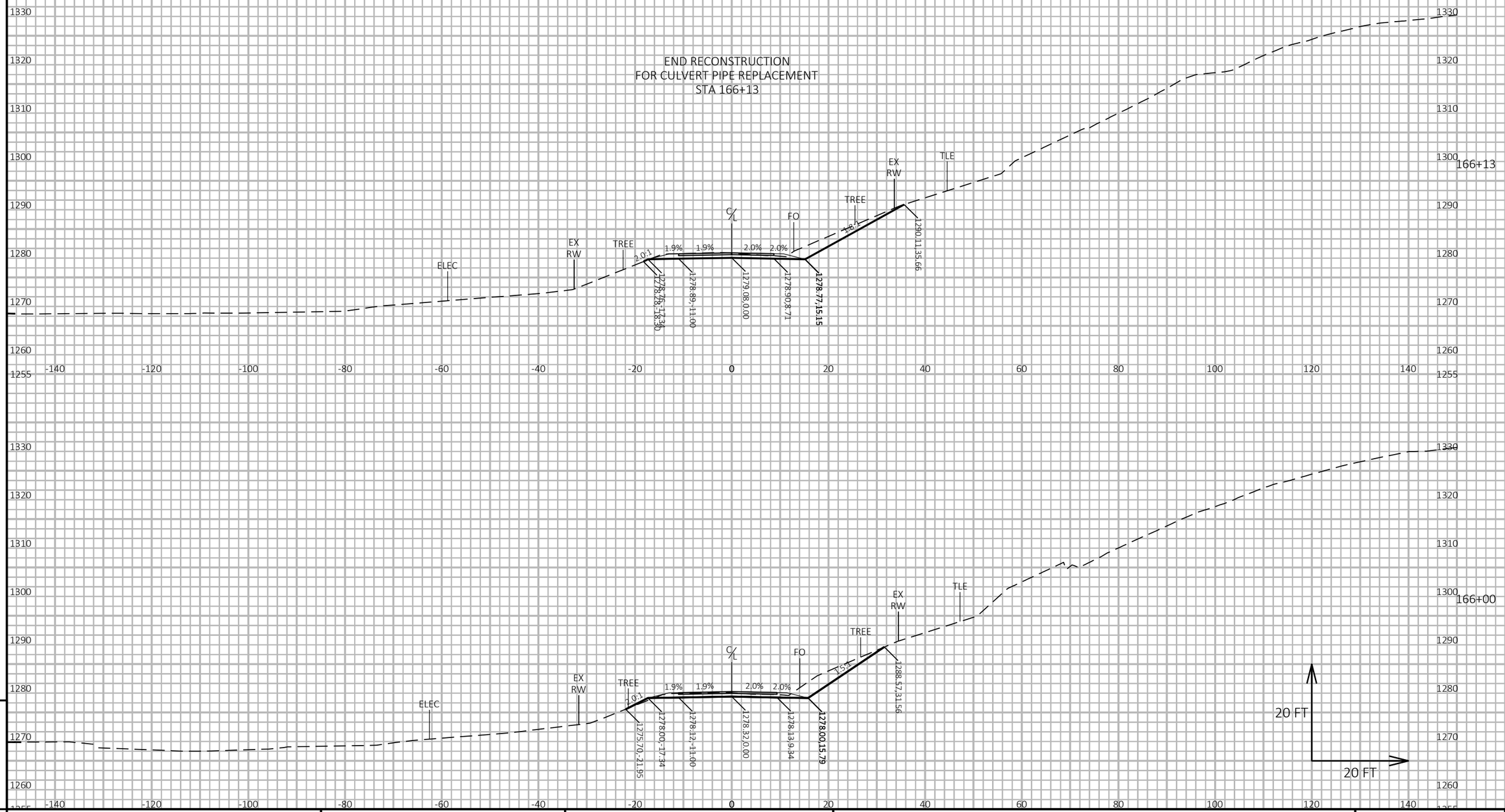
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 159	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 91

PLOT DATE : 9/29/2026 9:41 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END RECONSTRUCTION
FOR CULVERT PIPE REPLACEMENT
STA 166+13



9

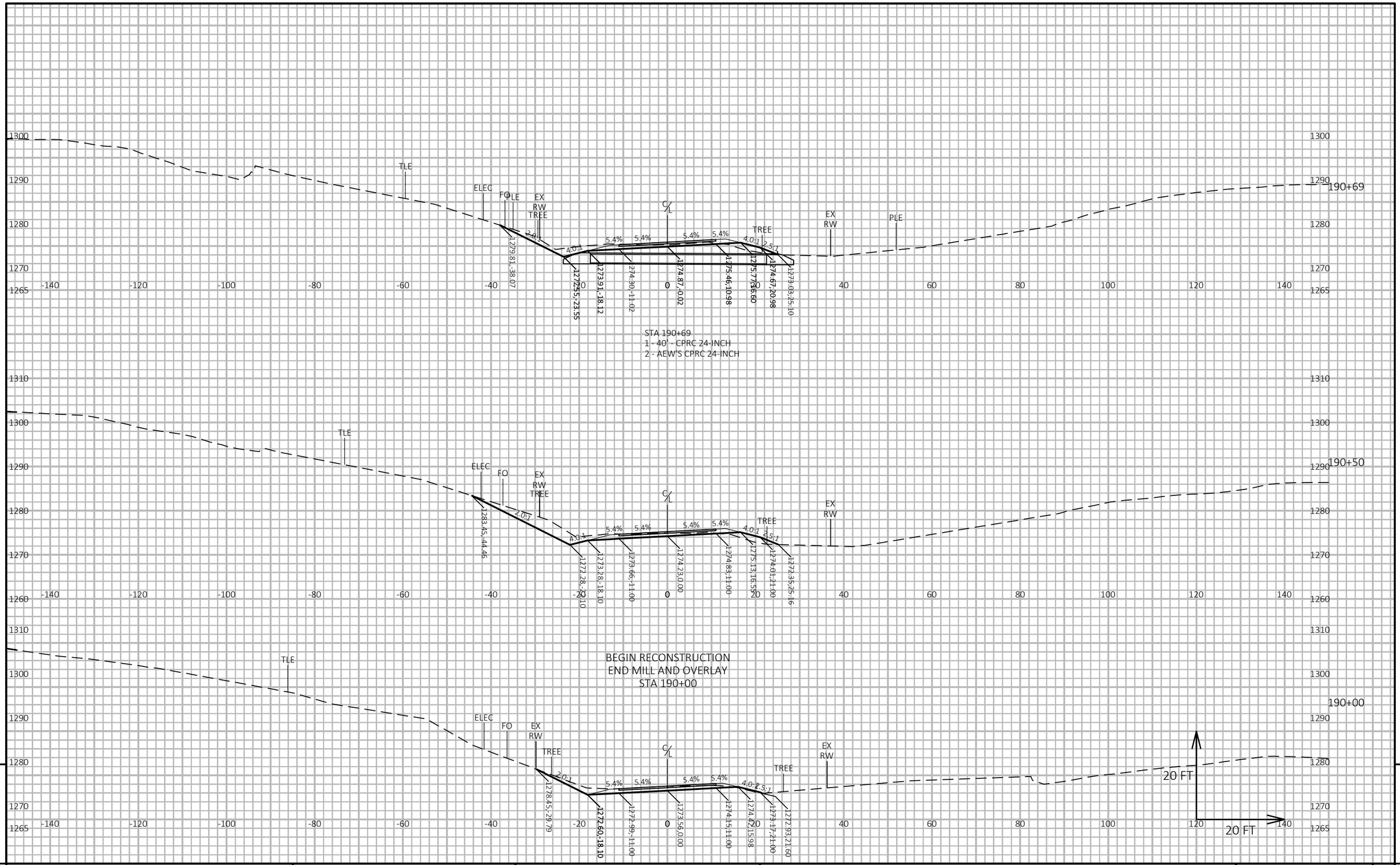
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 160	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 90

PLOT DATE : 7/30/2026 1:38 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

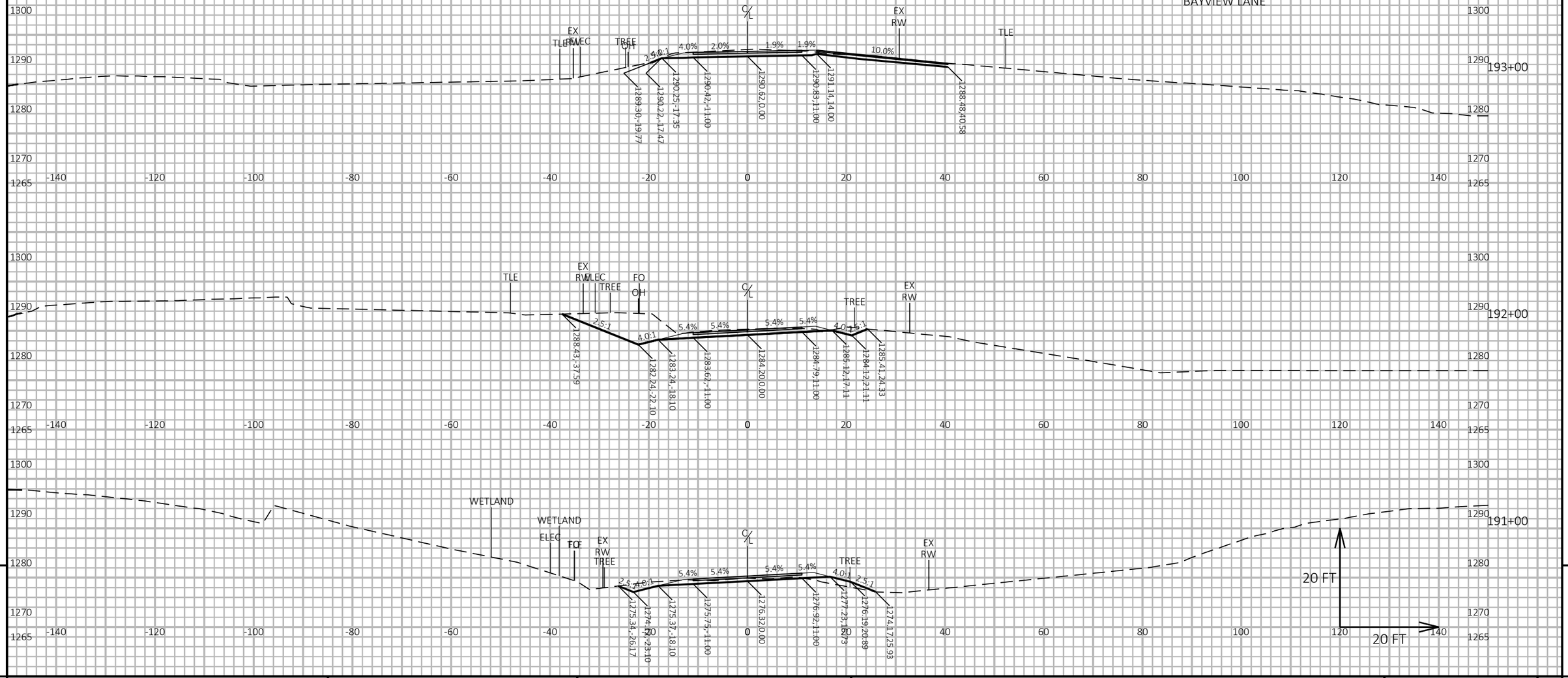


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 161 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 91

PLOT DATE : 9/29/2026 9:41 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

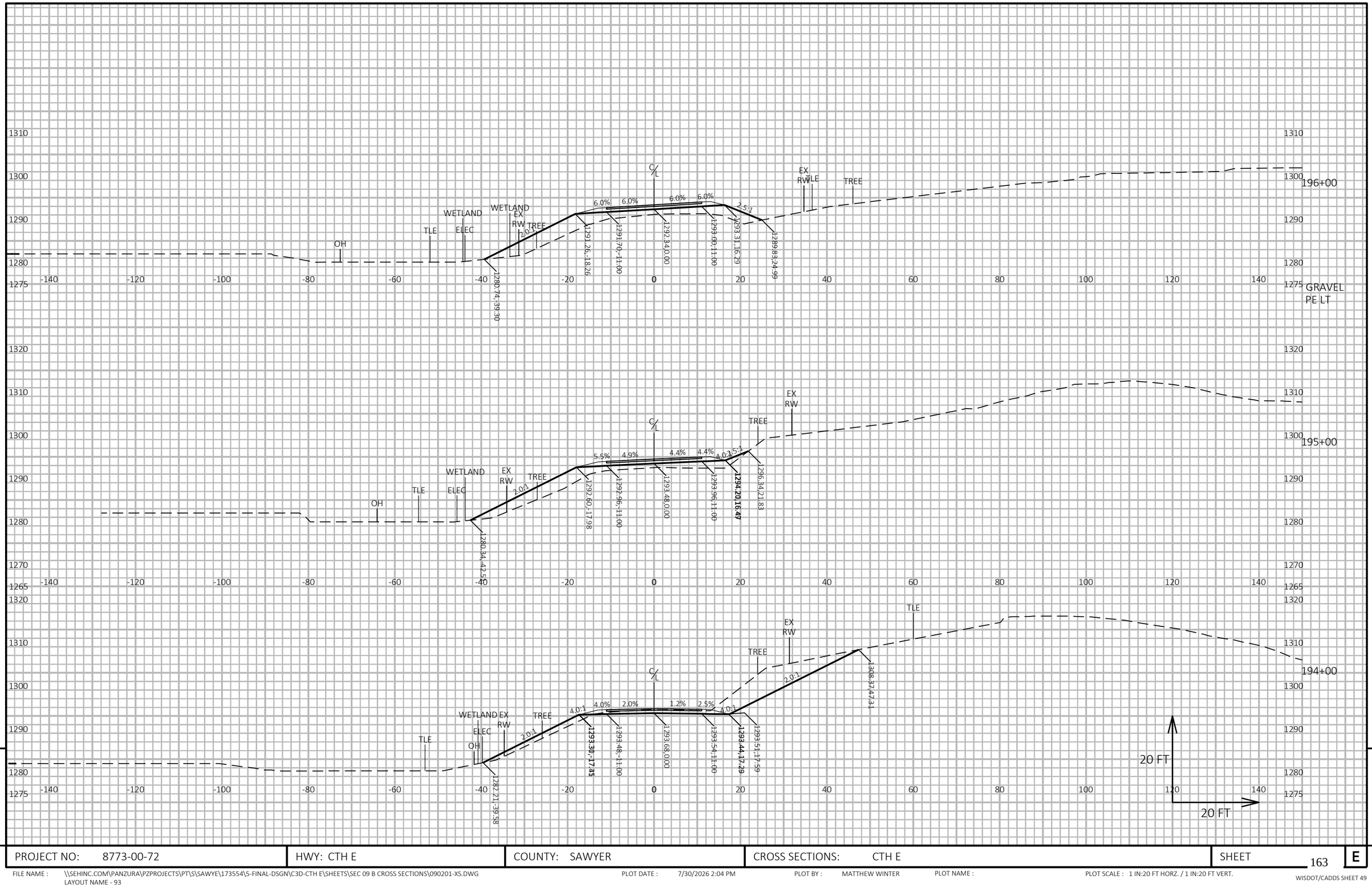
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 162	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 92

PLOT DATE : 7/30/2026 1:36 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

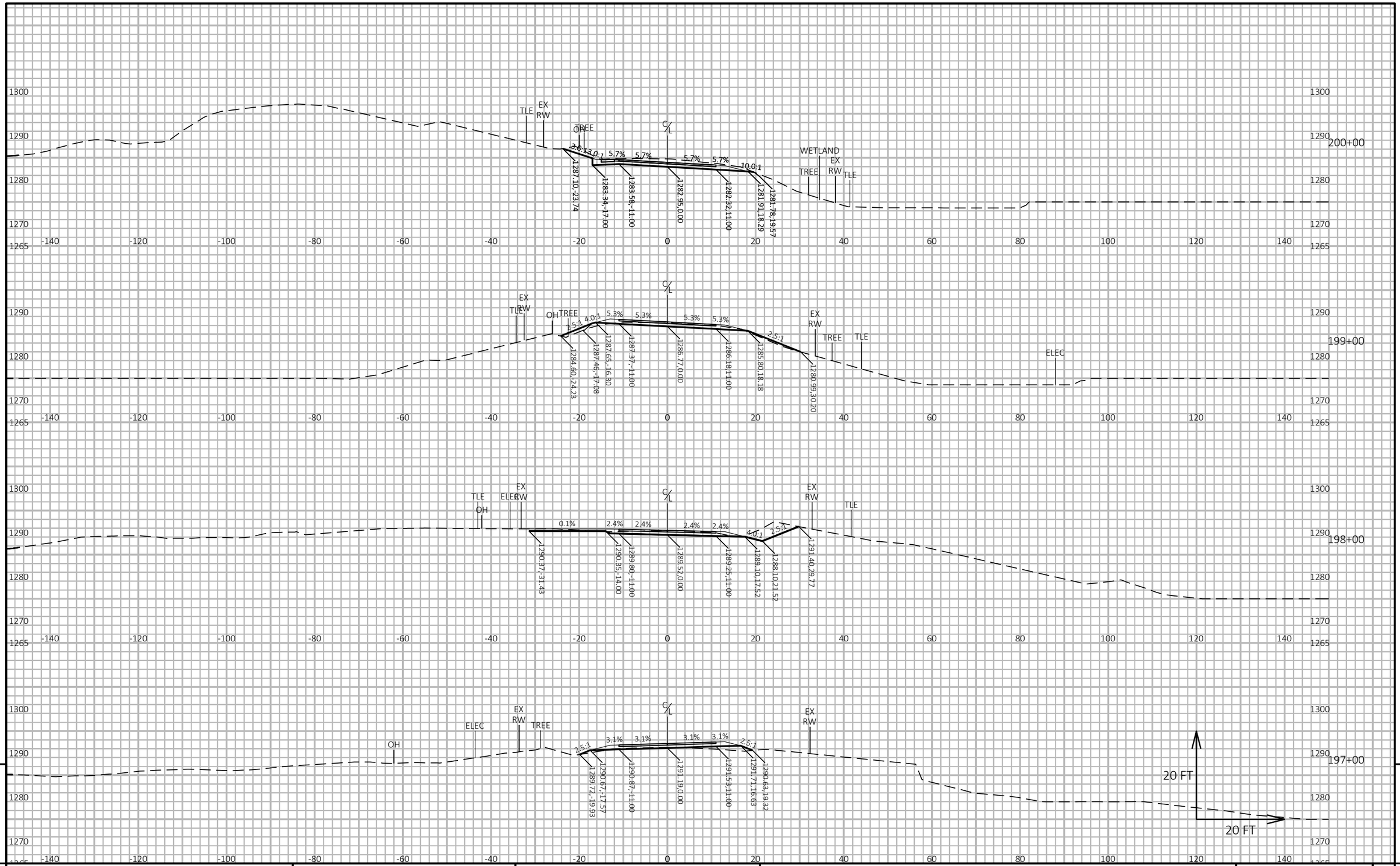
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 163	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 93

PLOT DATE : 7/30/2026 2:04 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

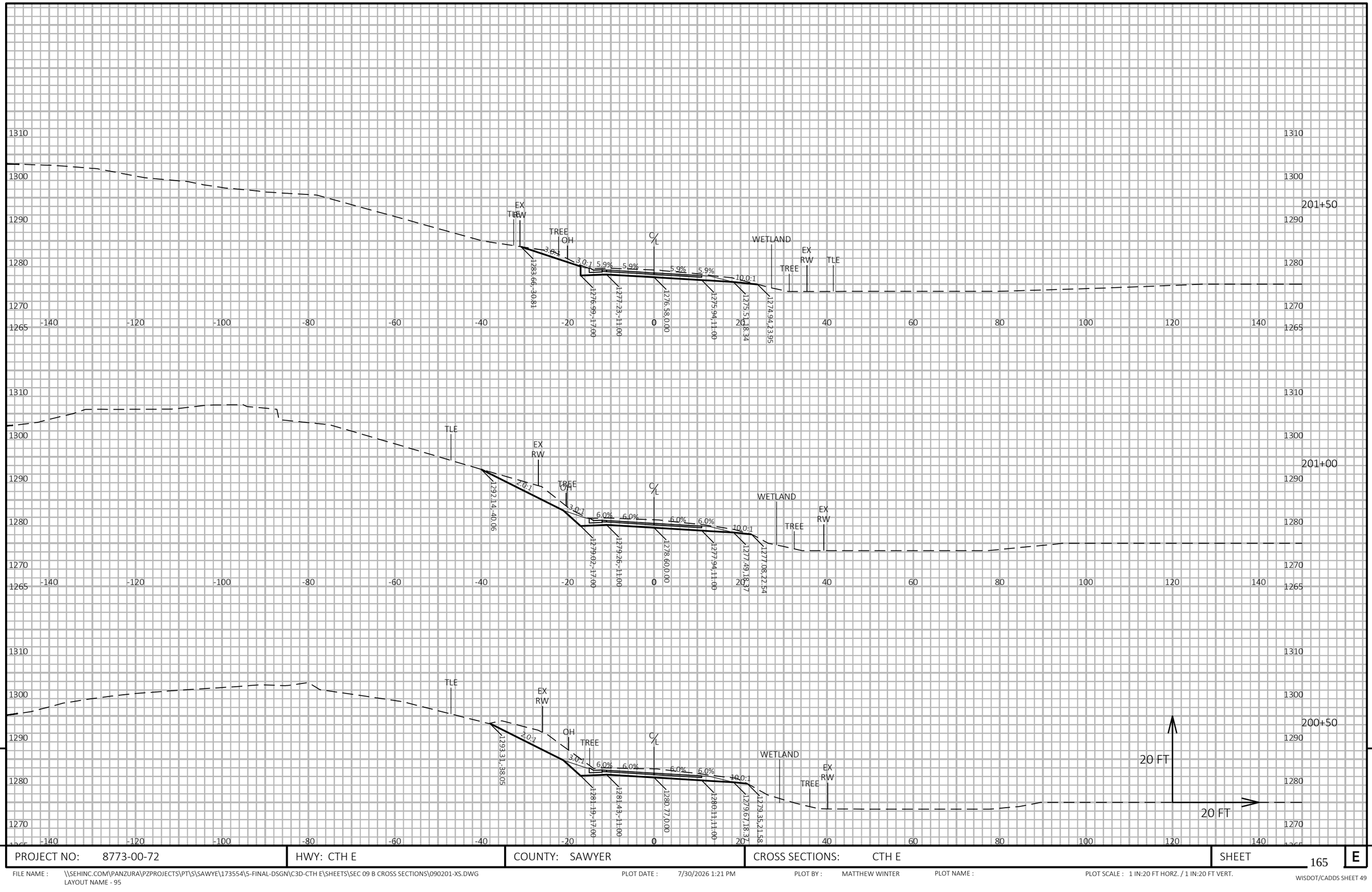
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 164	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 94

PLOT DATE : 7/30/2026 1:35 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

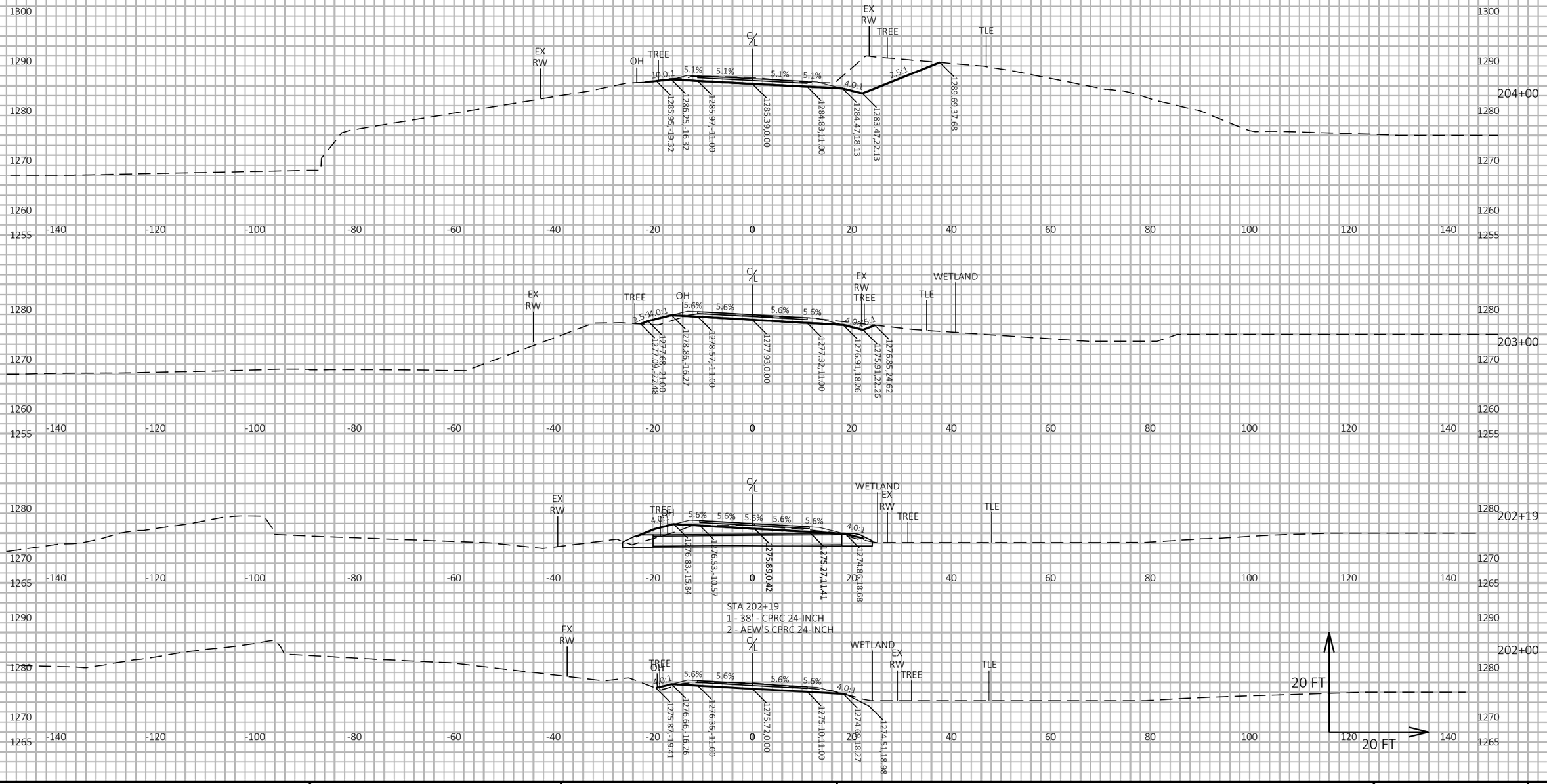
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 165	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 95

PLOT DATE : 7/30/2026 1:21 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

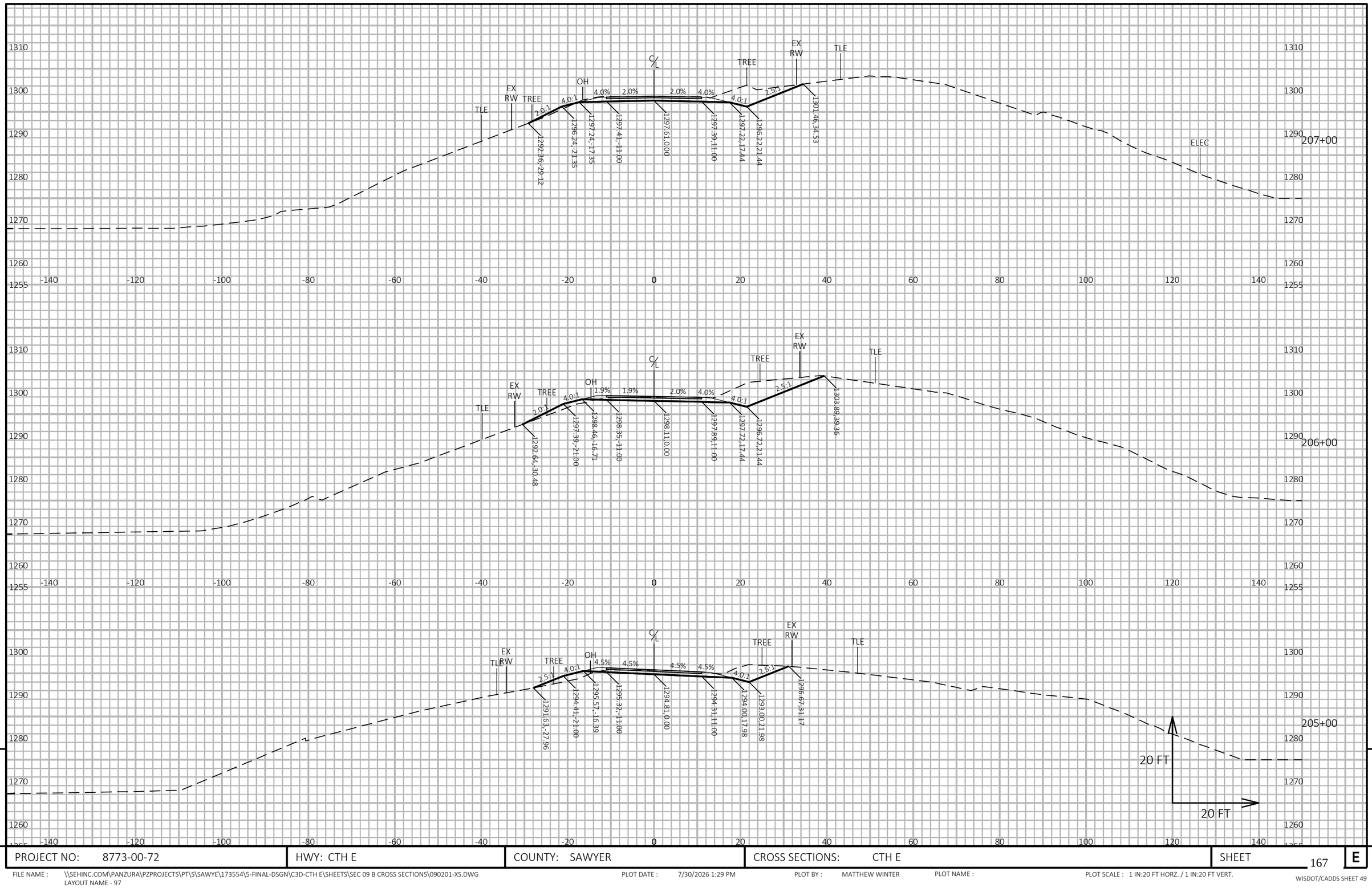
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 166	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 96

PLOT DATE : 9/29/2026 9:42 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

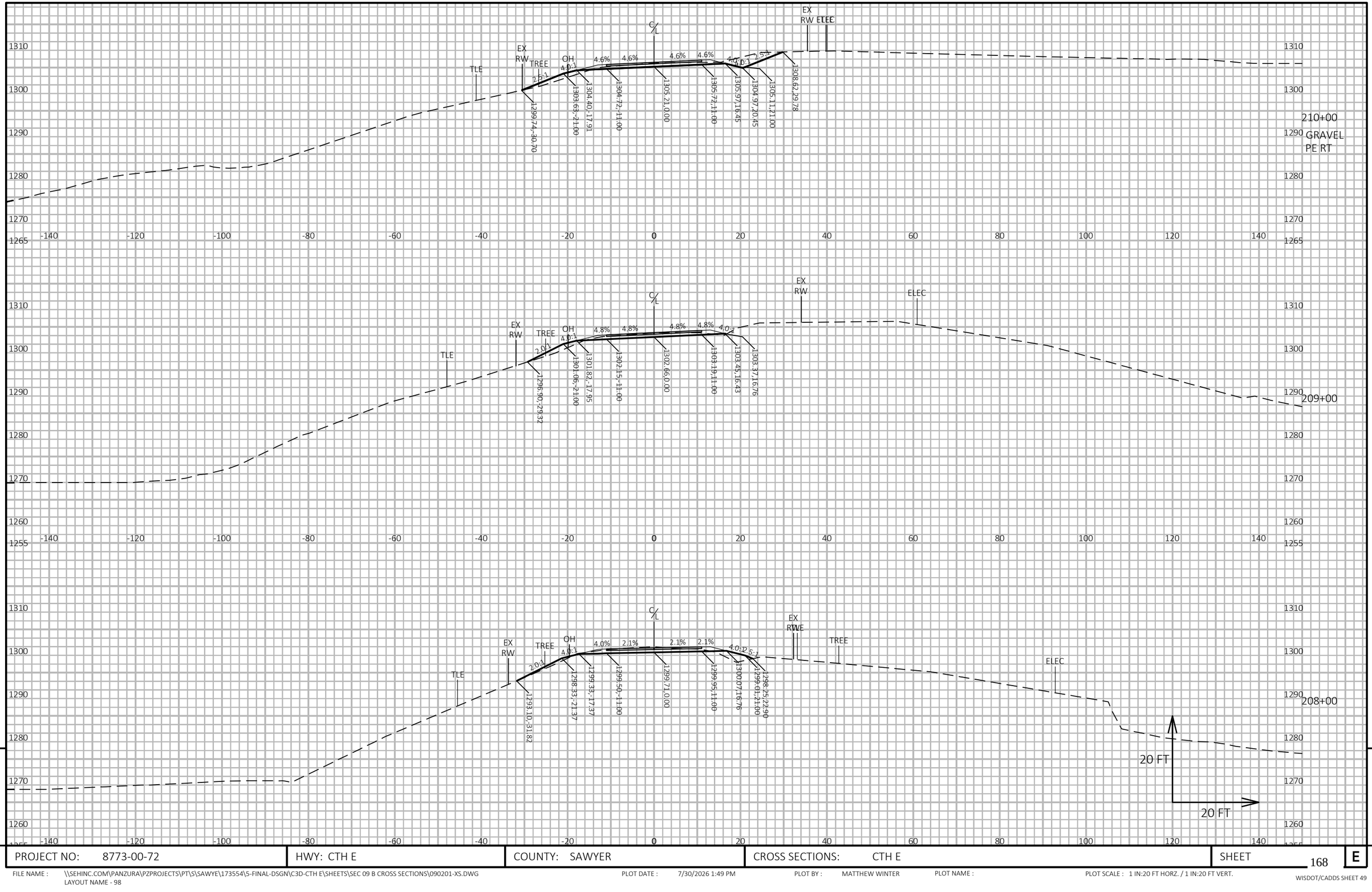
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 167	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 97

PLOT DATE : 7/30/2026 1:29 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

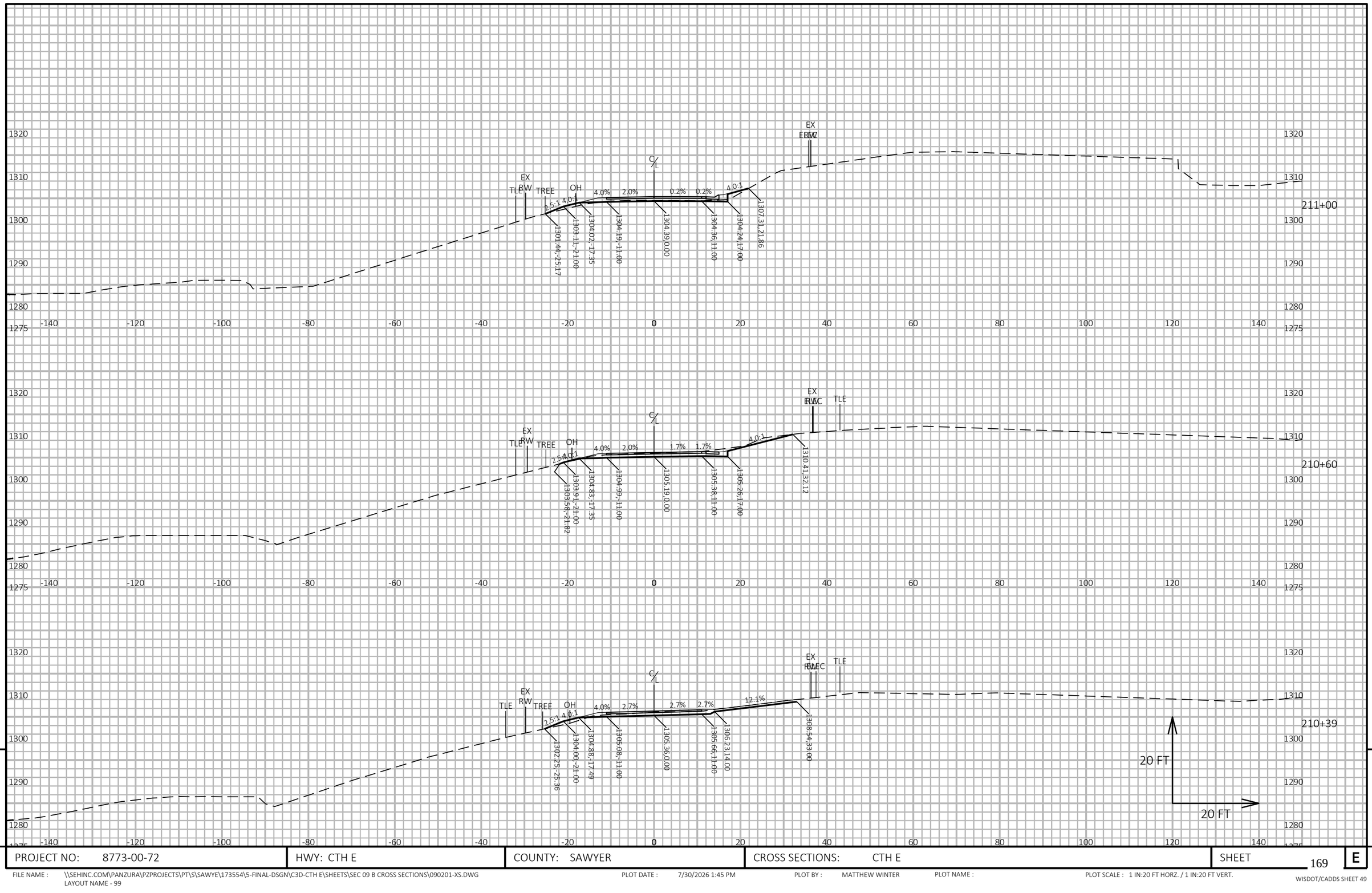
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 168	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 98

PLOT DATE : 7/30/2026 1:49 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

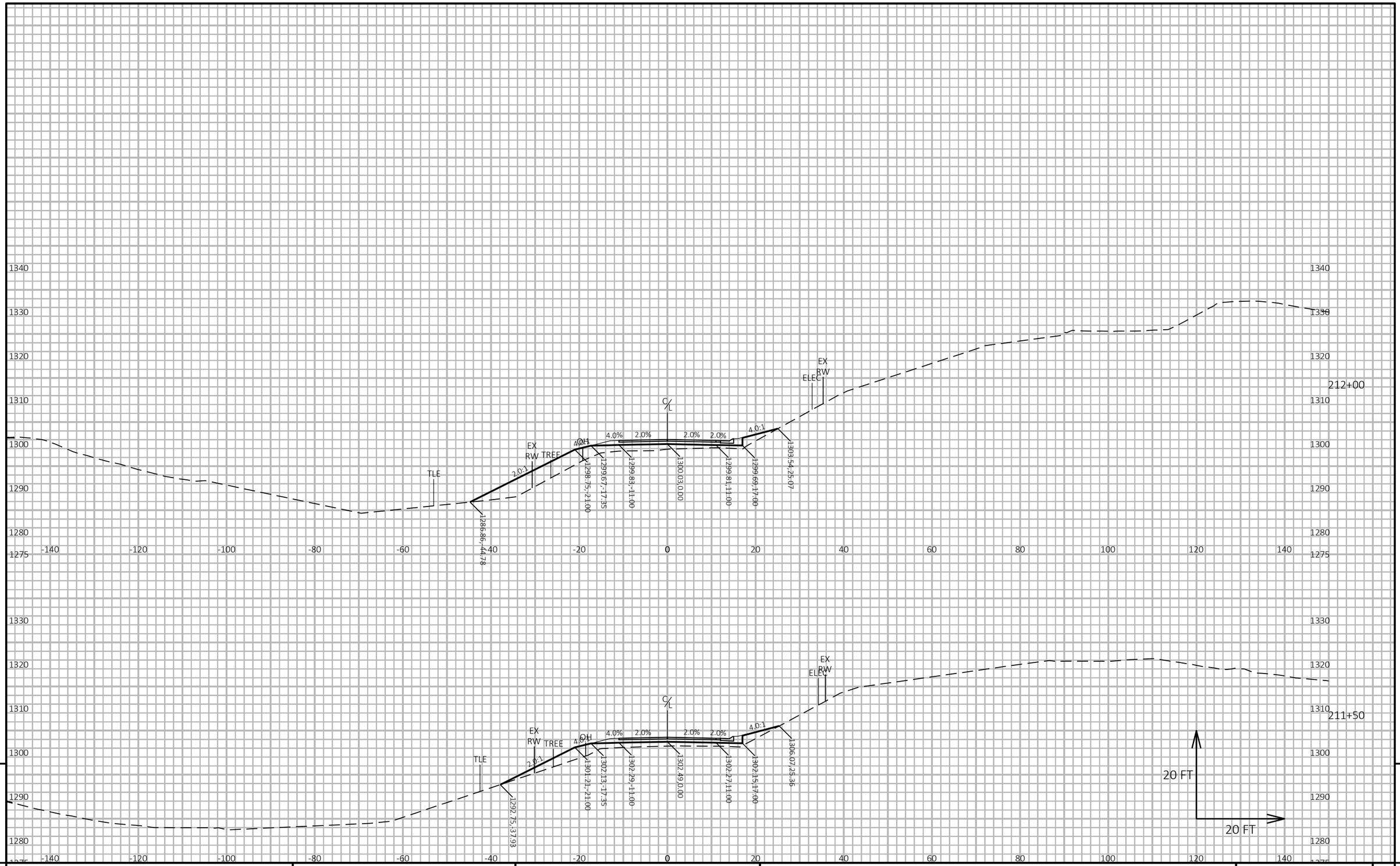
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 169	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 99

PLOT DATE : 7/30/2026 1:45 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

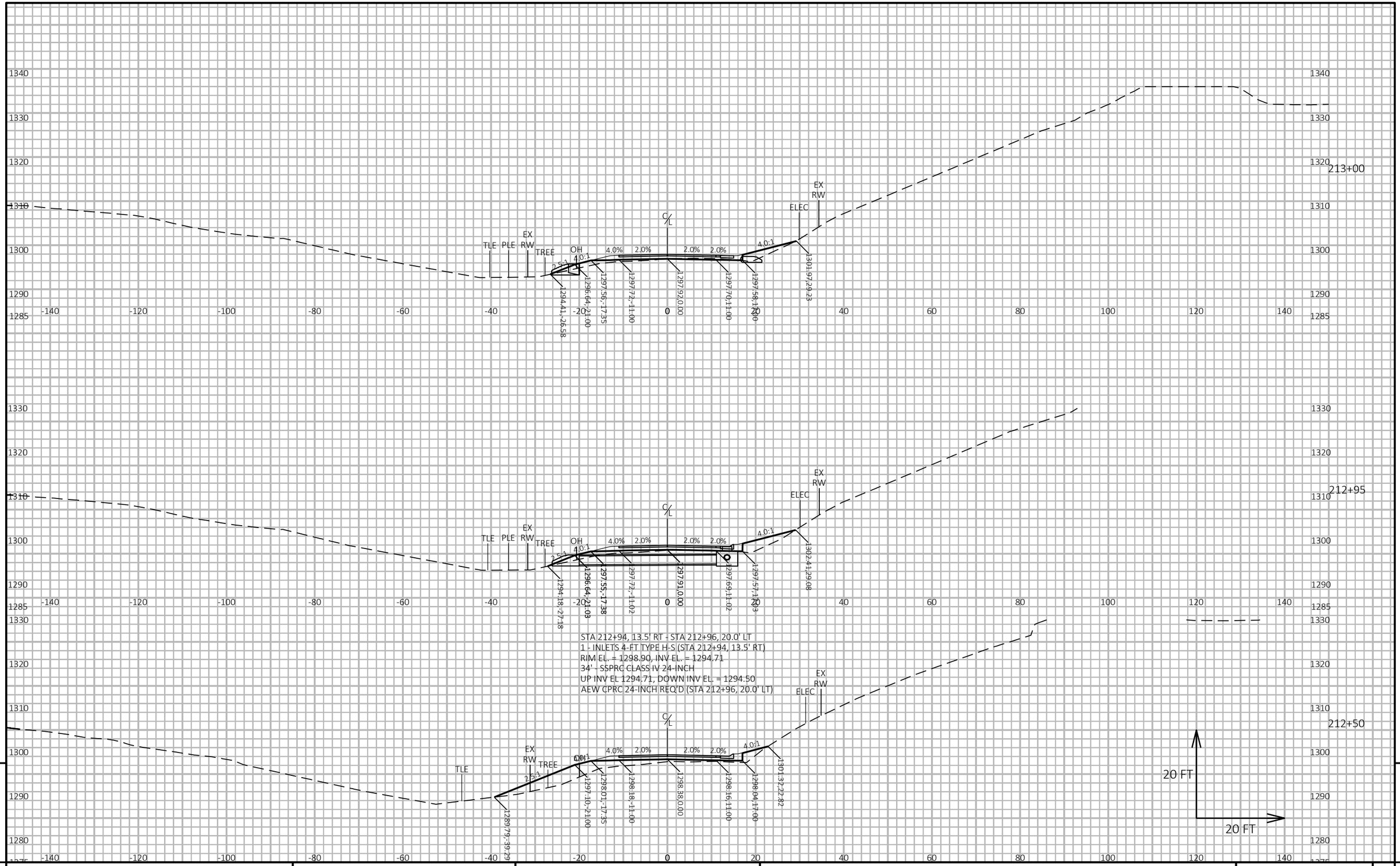
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 170	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 100

PLOT DATE : 7/30/2026 1:54 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



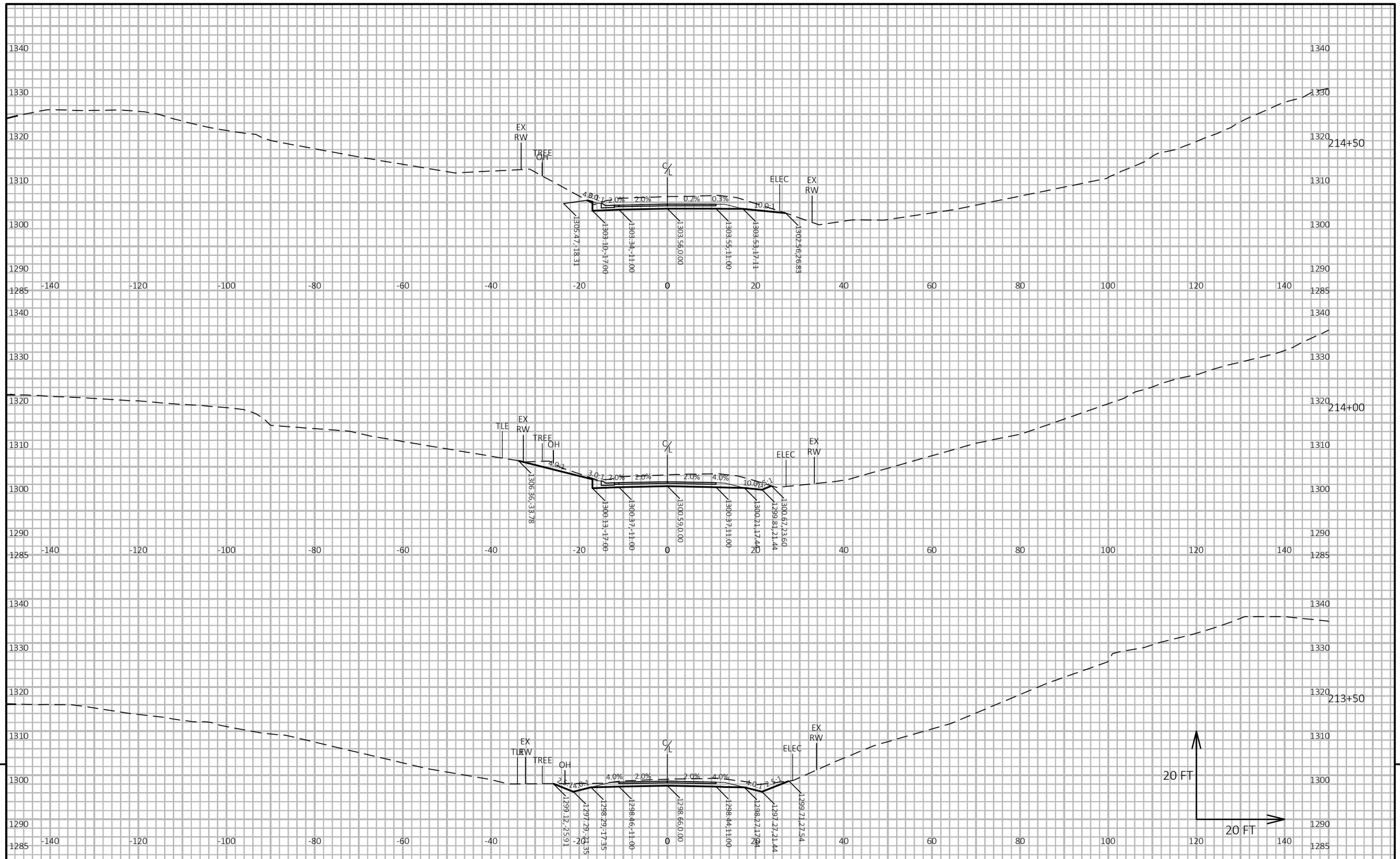
STA 212+94, 13.5' RT - STA 212+96, 20.0' LT
1 - INLETS 4-FT TYPE H-S (STA 212+94, 13.5' RT)
RIM EL. = 1298.90, INV EL. = 1294.71
34' - SSPRC CLASS IV 24-INCH
UP INV EL 1294.71, DOWN INV EL. = 1294.50
AEW CPRC 24-INCH REQ'D (STA 212+96, 20.0' LT)

9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 171	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 101
PLOT DATE : 9/29/2026 9:43 AM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

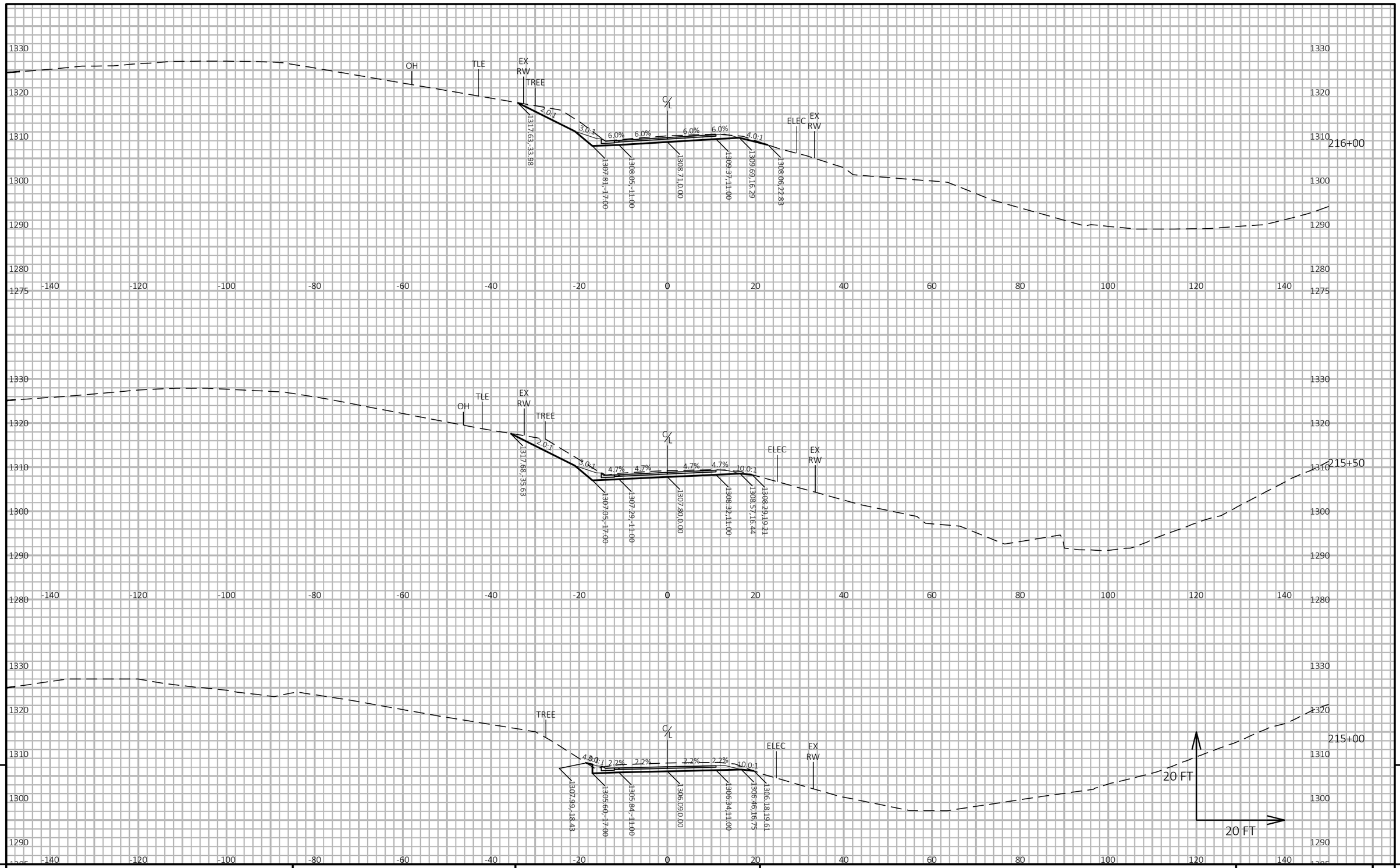
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 172	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 102

PLOT DATE : 7/30/2026 1:48 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 173	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 103

PLOT DATE : 7/30/2026 2:00 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

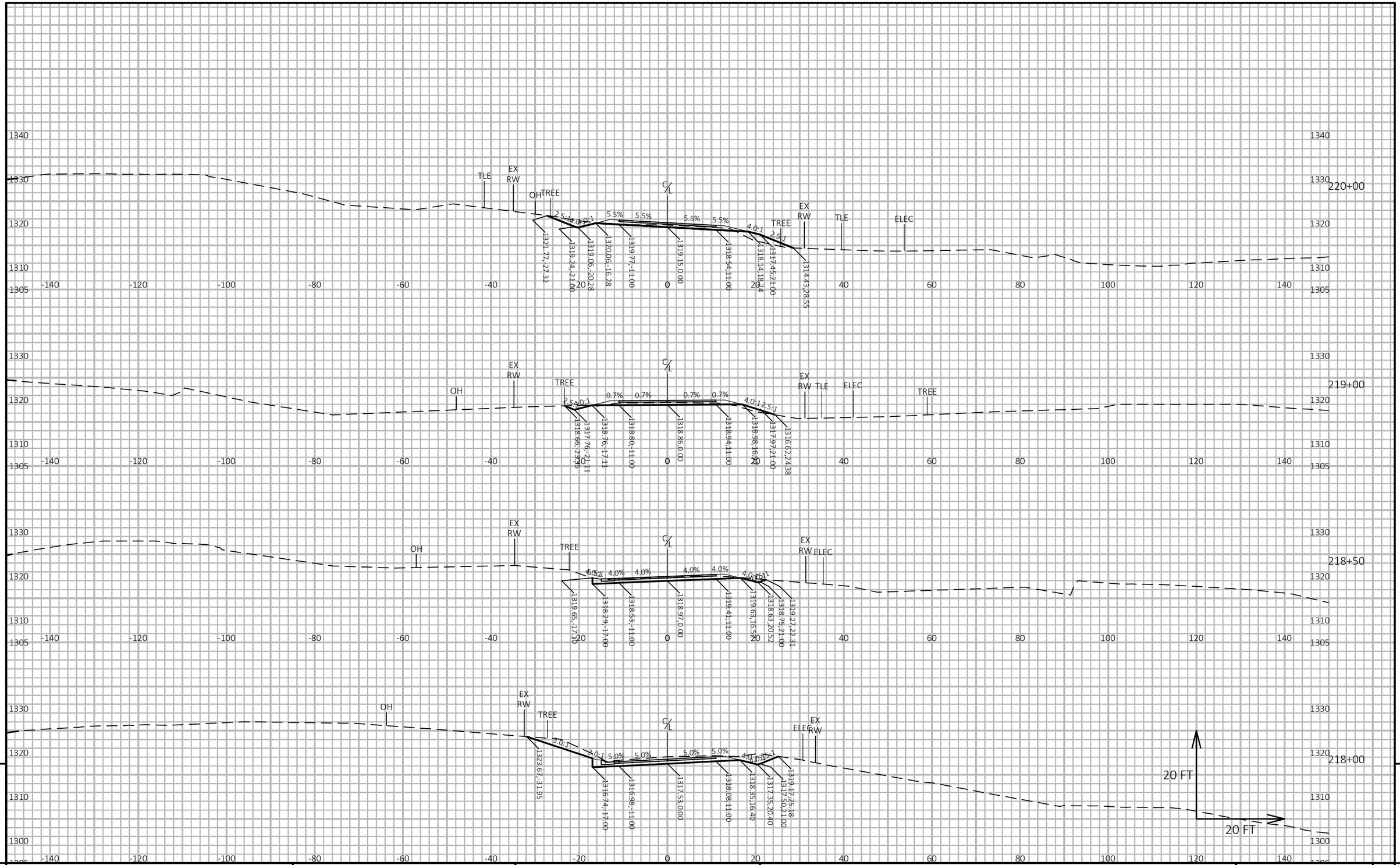
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 174	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 104

PLOT DATE : 7/30/2026 1:54 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

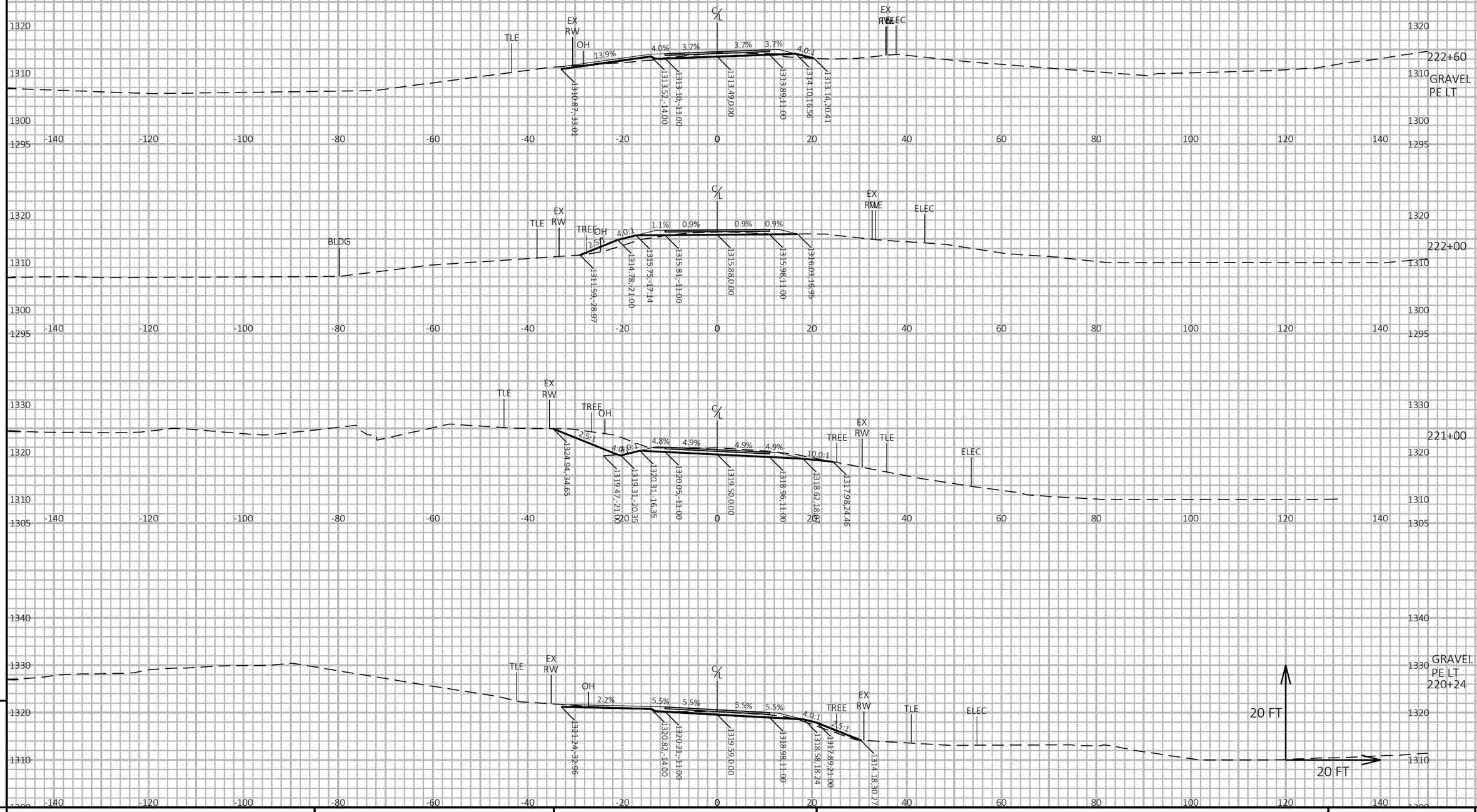


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 175	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 105

PLOT DATE : 7/30/2026 1:49 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 176 E

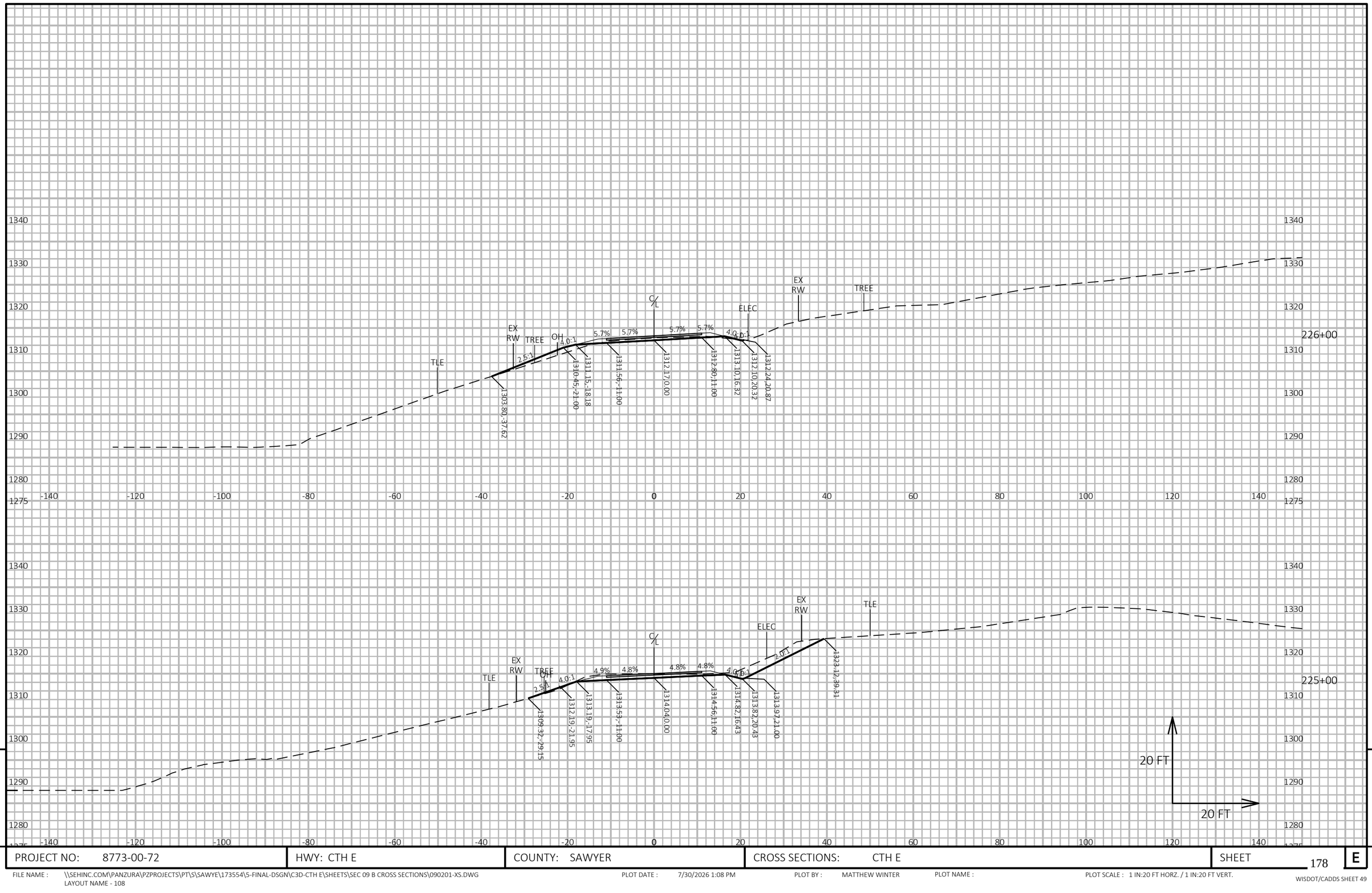
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 106
PLOT DATE : 7/30/2026 1:24 PM
PLOT BY : MATTHEW WINTER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 177	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 107

PLOT DATE : 7/30/2026 1:08 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

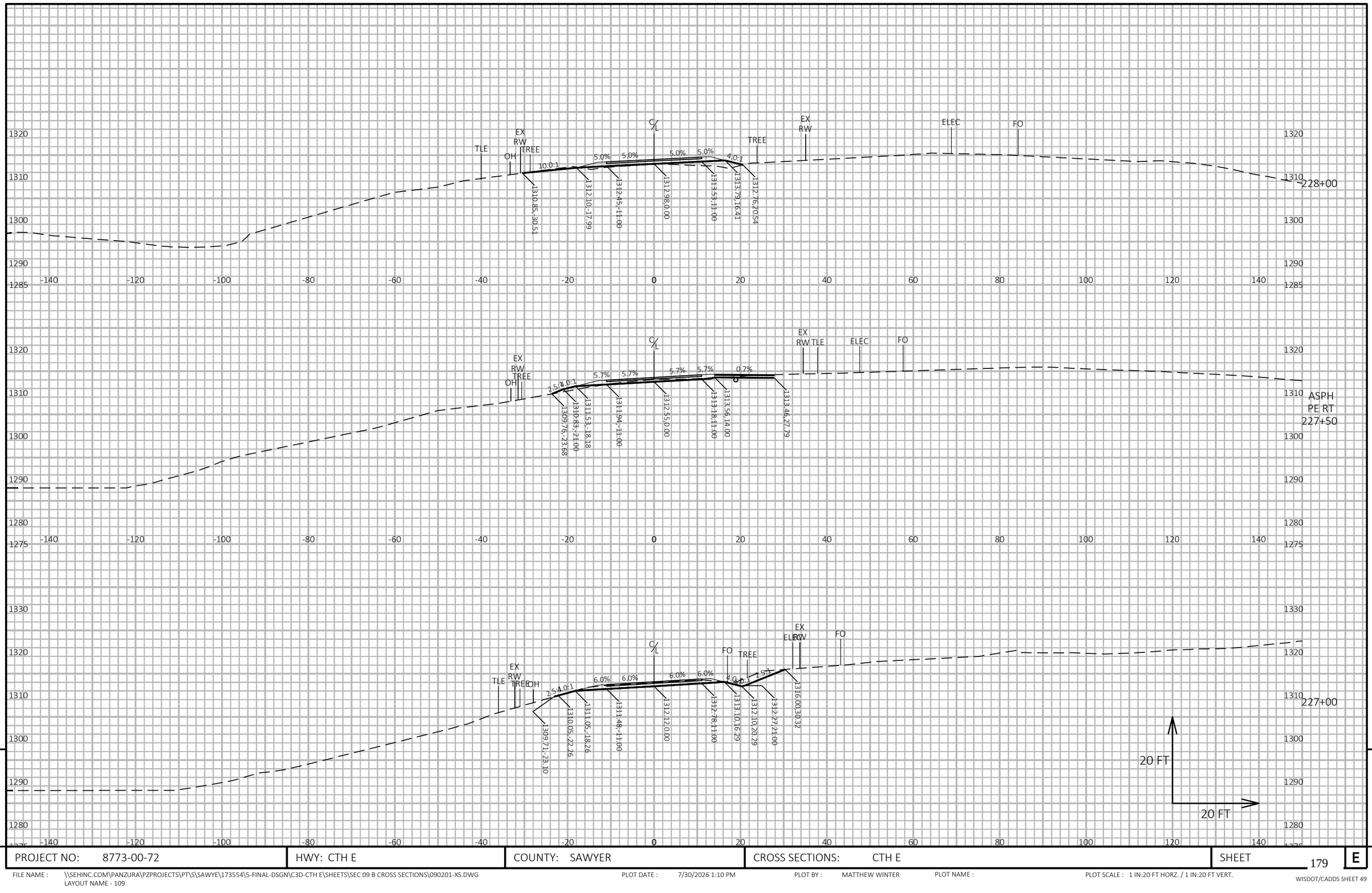


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 178	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 108

PLOT DATE : 7/30/2026 1:08 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

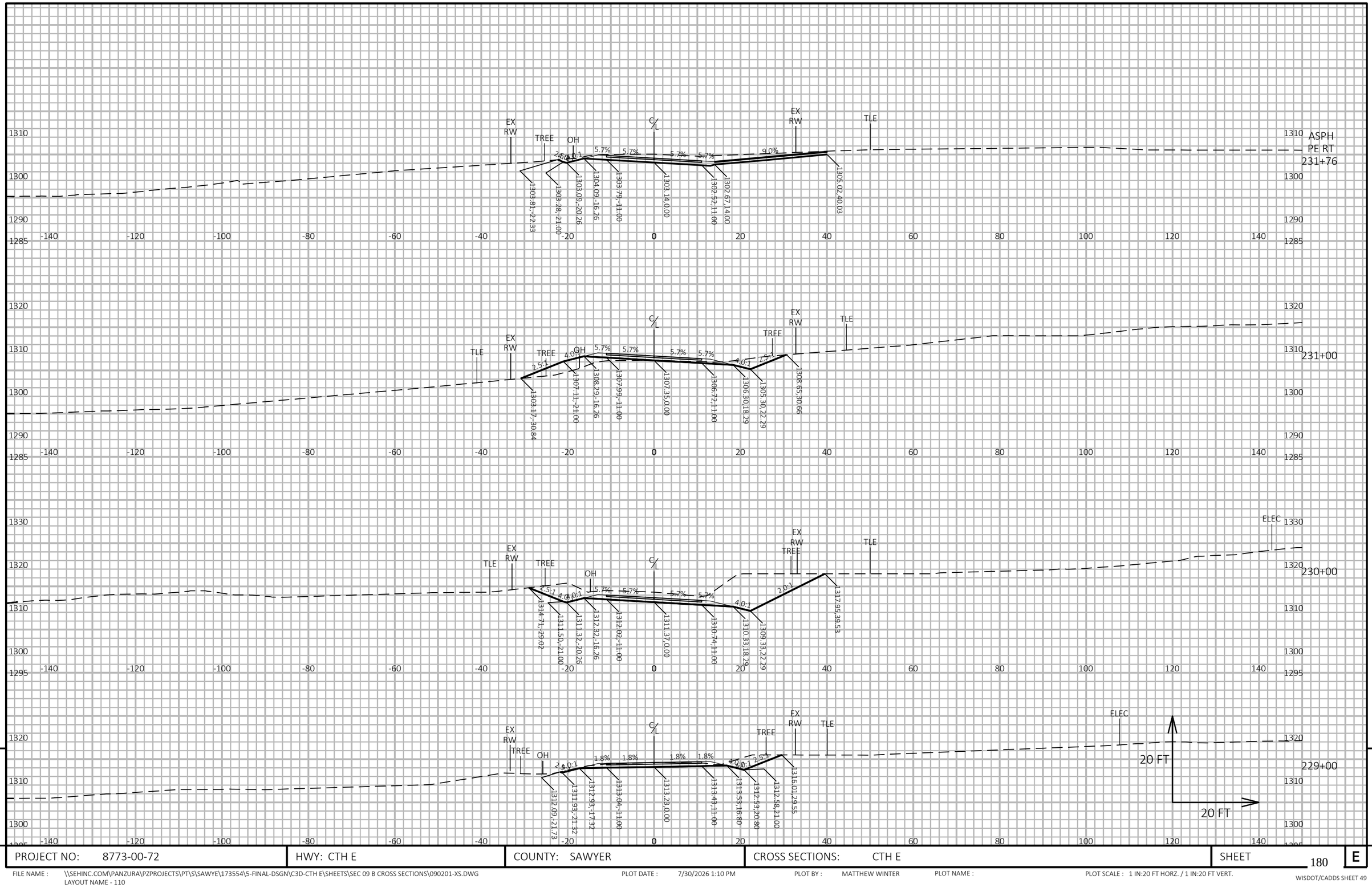


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 179	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 109

PLOT DATE : 7/30/2026 1:10 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 180	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 110

PLOT DATE : 7/30/2026 1:10 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 181	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 111

PLOT DATE : 7/30/2026 1:56 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 182	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 112

PLOT DATE : 9/29/2026 9:43 AM

PLOT BY : MATTHEW WINTER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

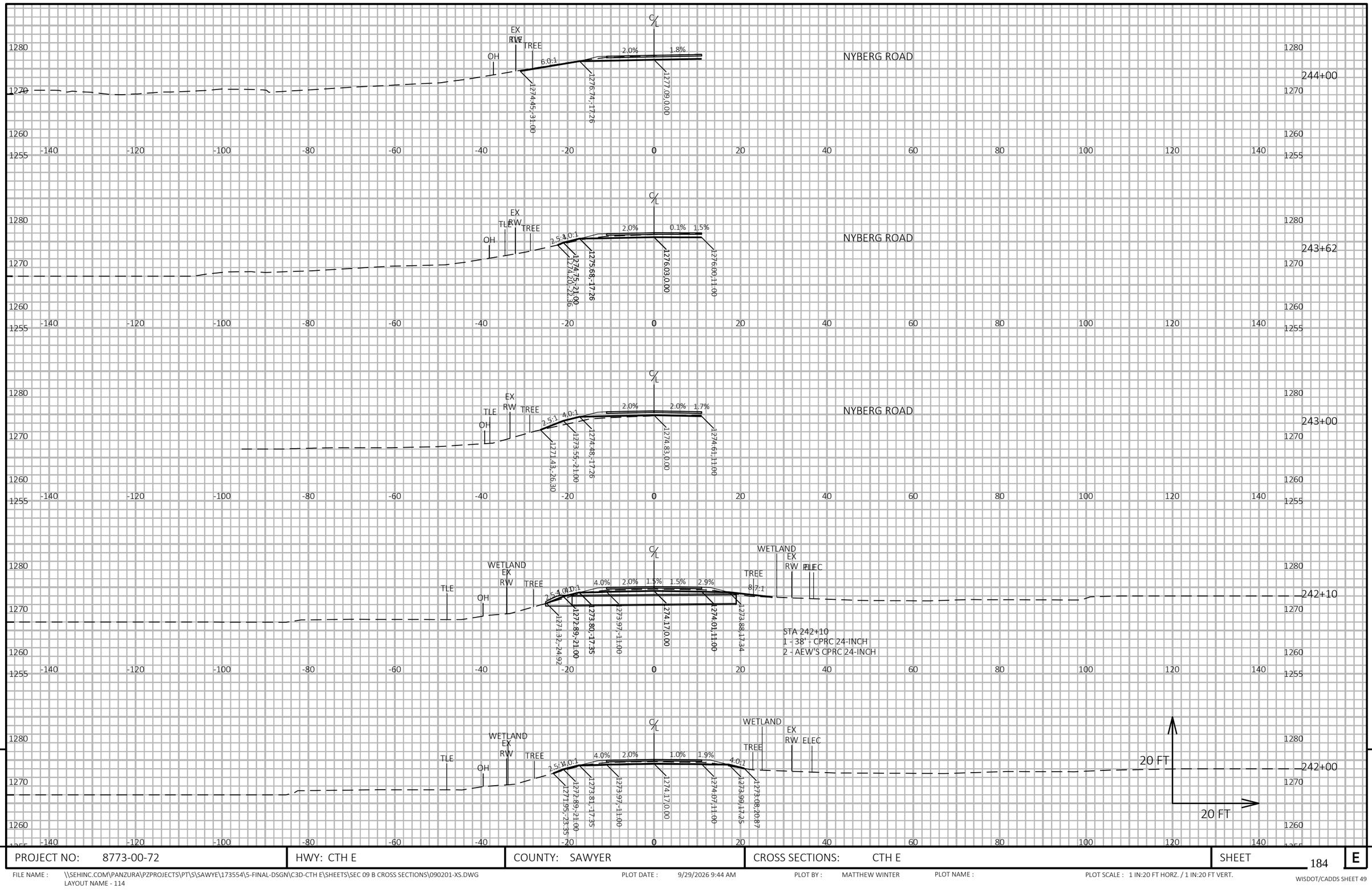
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 183	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 113

PLOT DATE : 7/30/2026 1:15 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

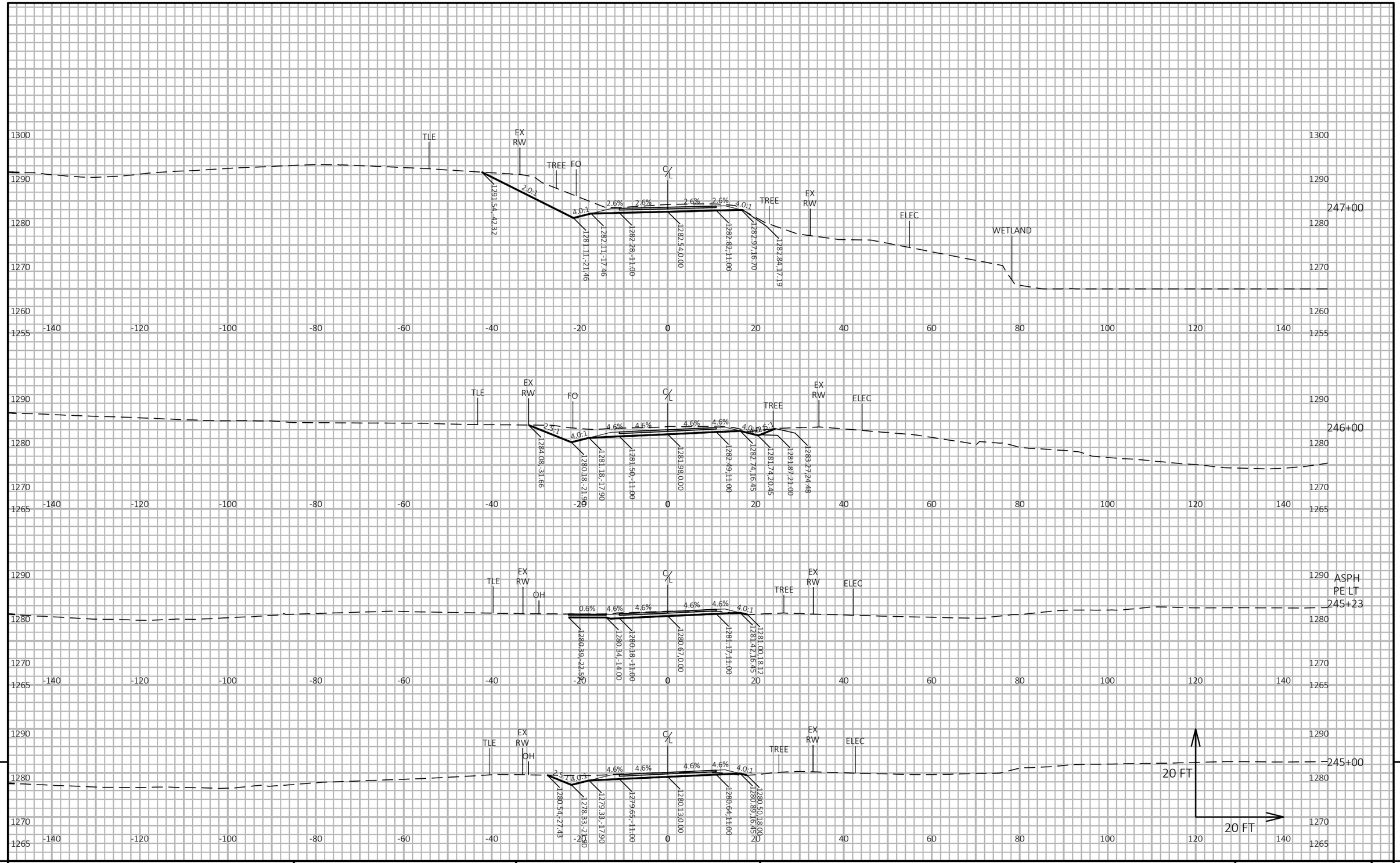


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 184	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 114

PLOT DATE : 9/29/2026 9:44 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

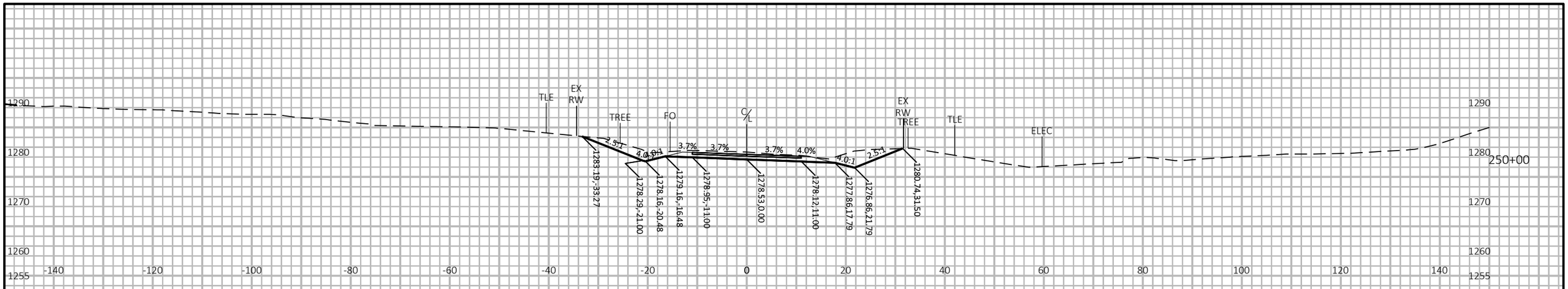
9

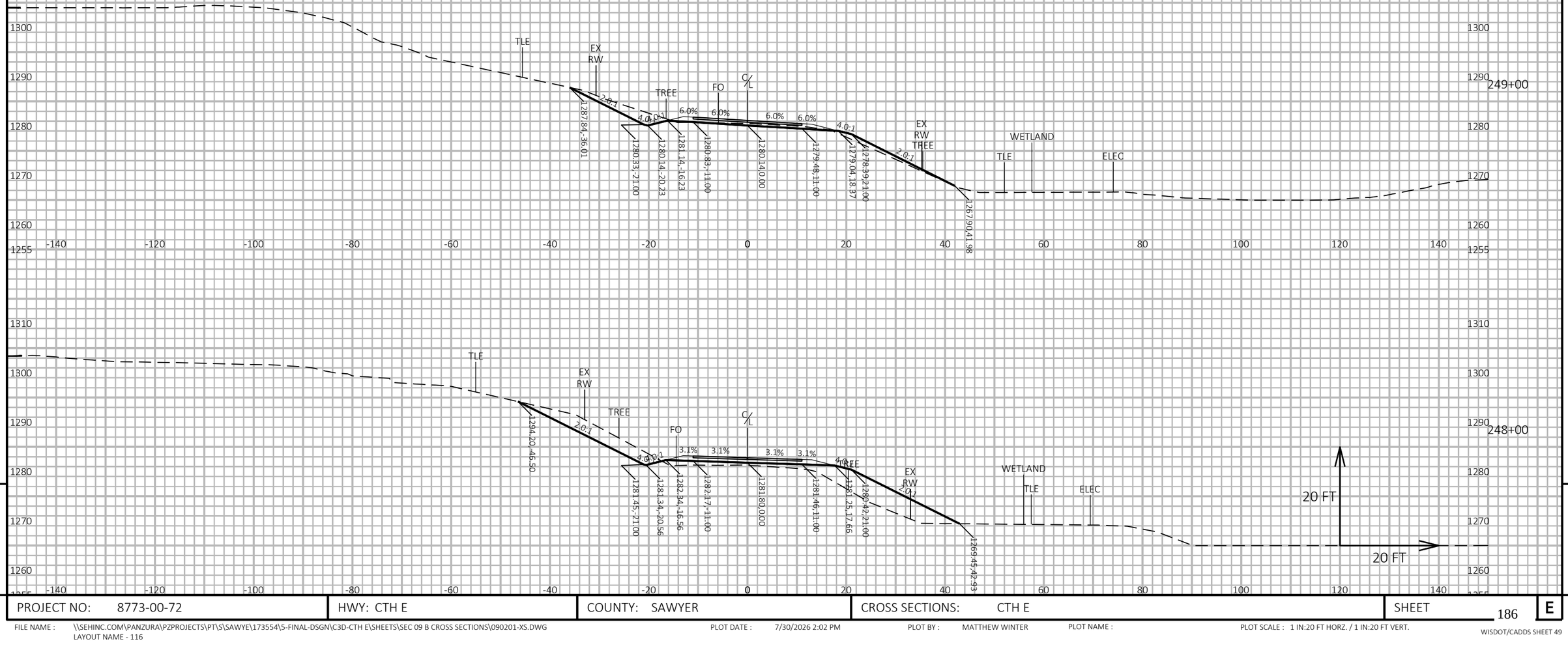
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 185	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 115

PLOT DATE : 7/30/2026 1:01 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





9

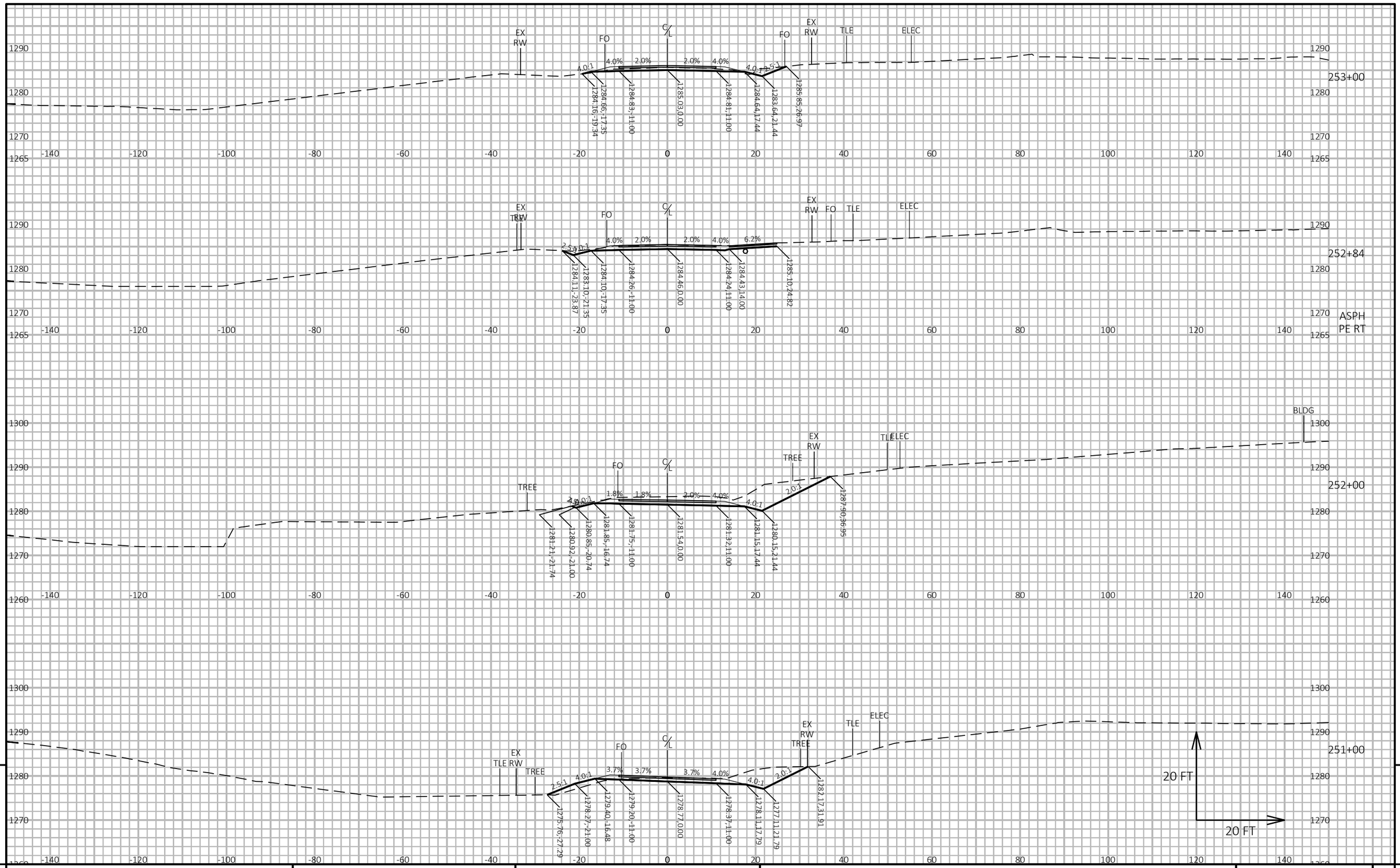
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 186	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 116

PLOT DATE : 7/30/2026 2:02 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

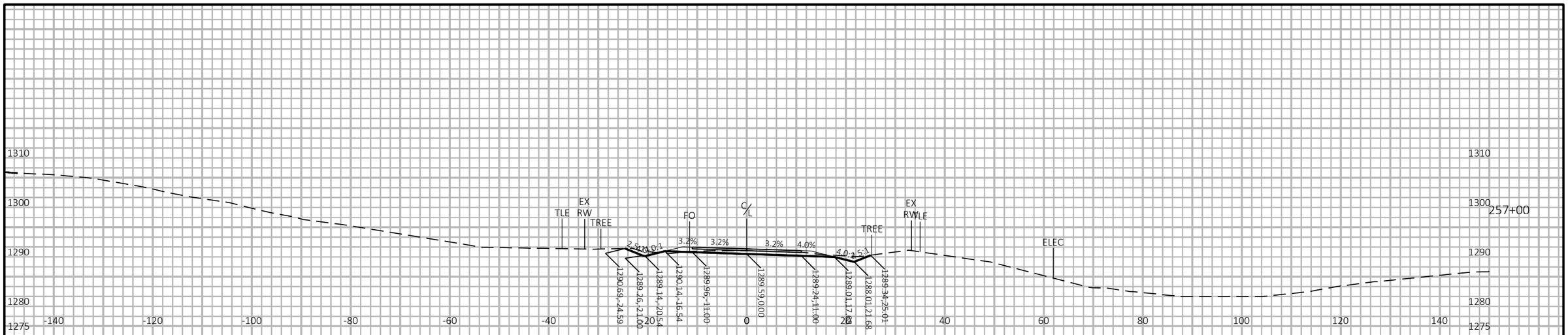
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 187	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 117

PLOT DATE : 7/30/2026 12:46 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

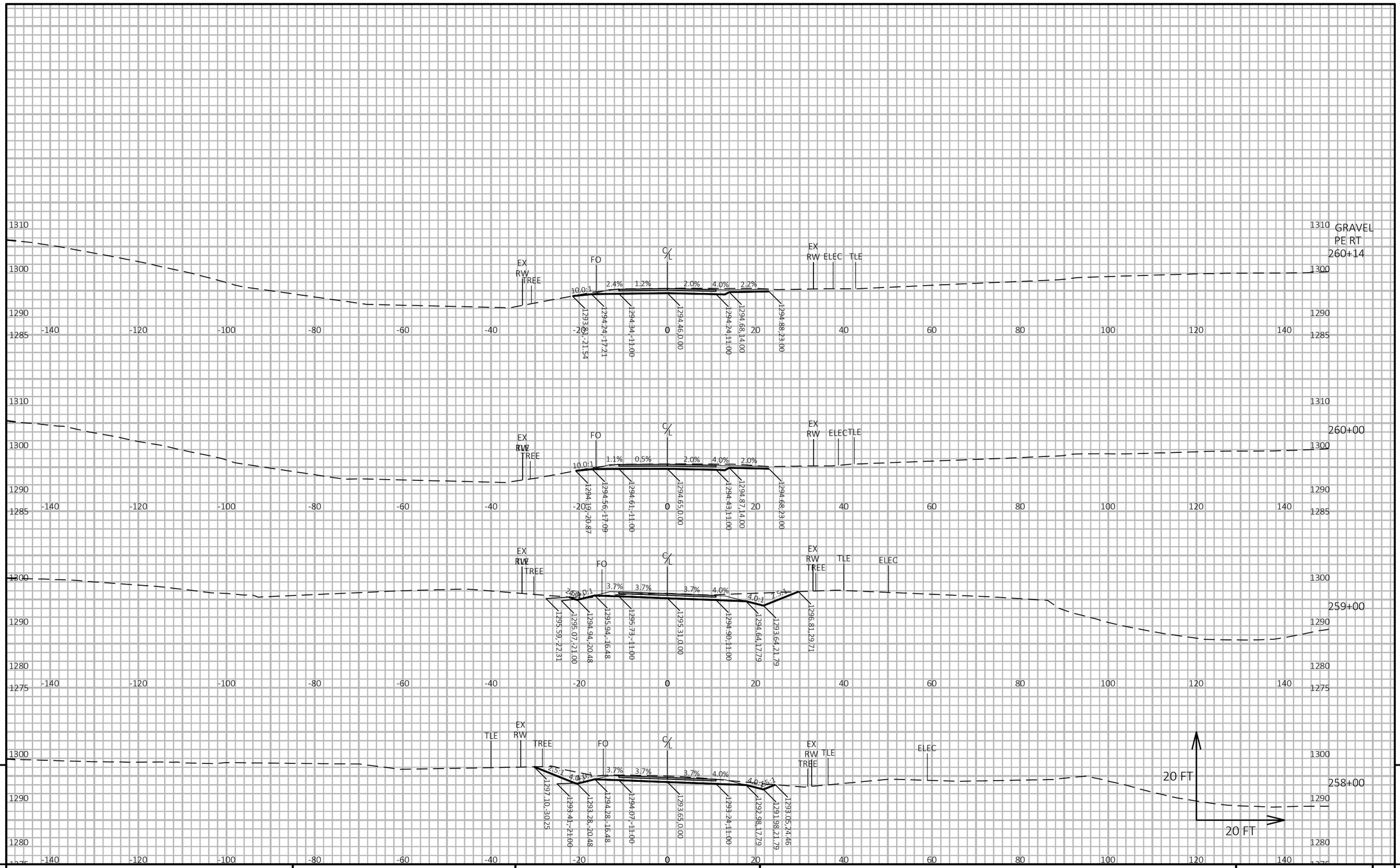
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 188	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 118

PLOT DATE : 7/30/2026 1:56 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

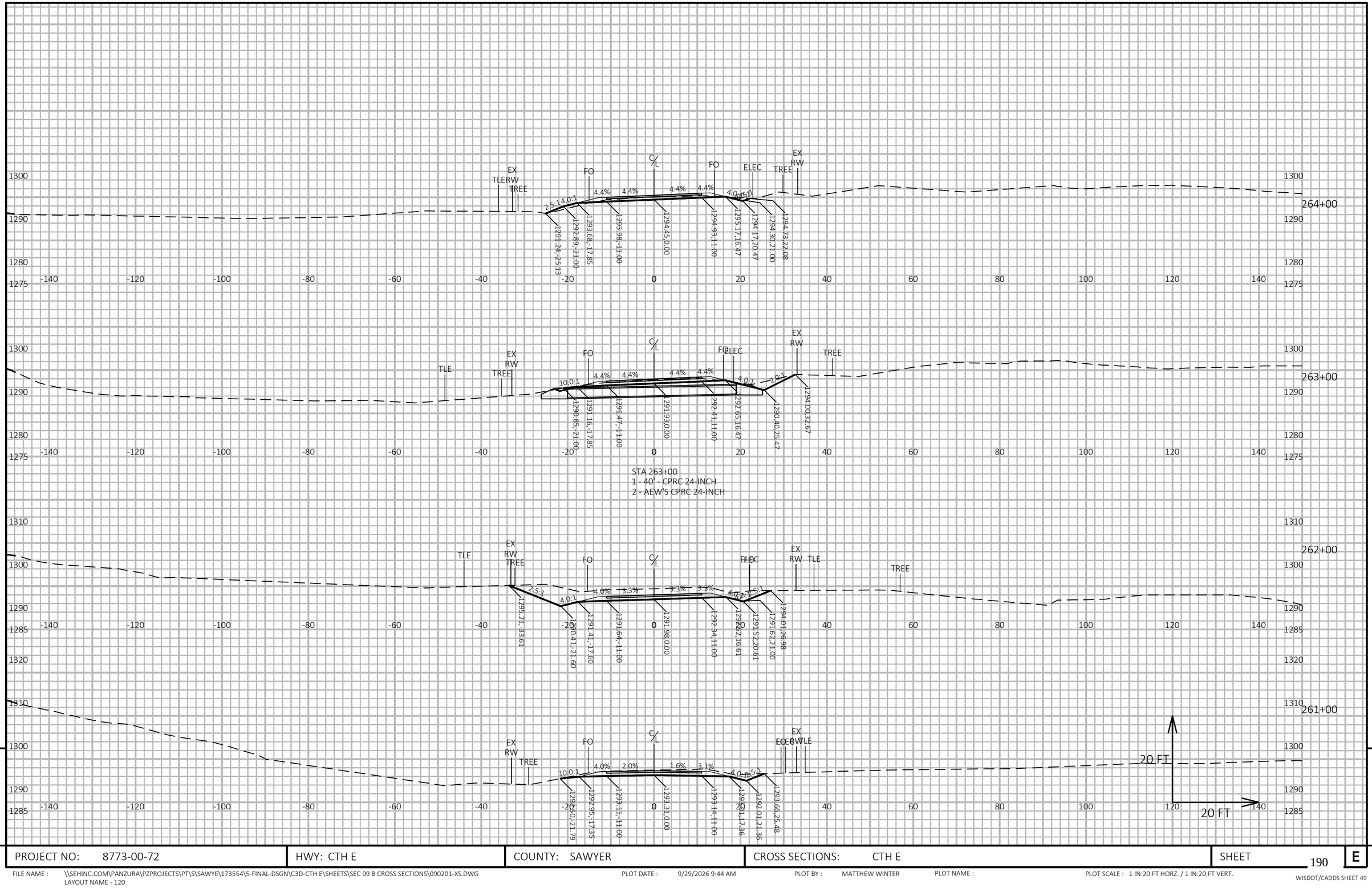
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 189	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 119

PLOT DATE : 7/30/2026 12:50 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

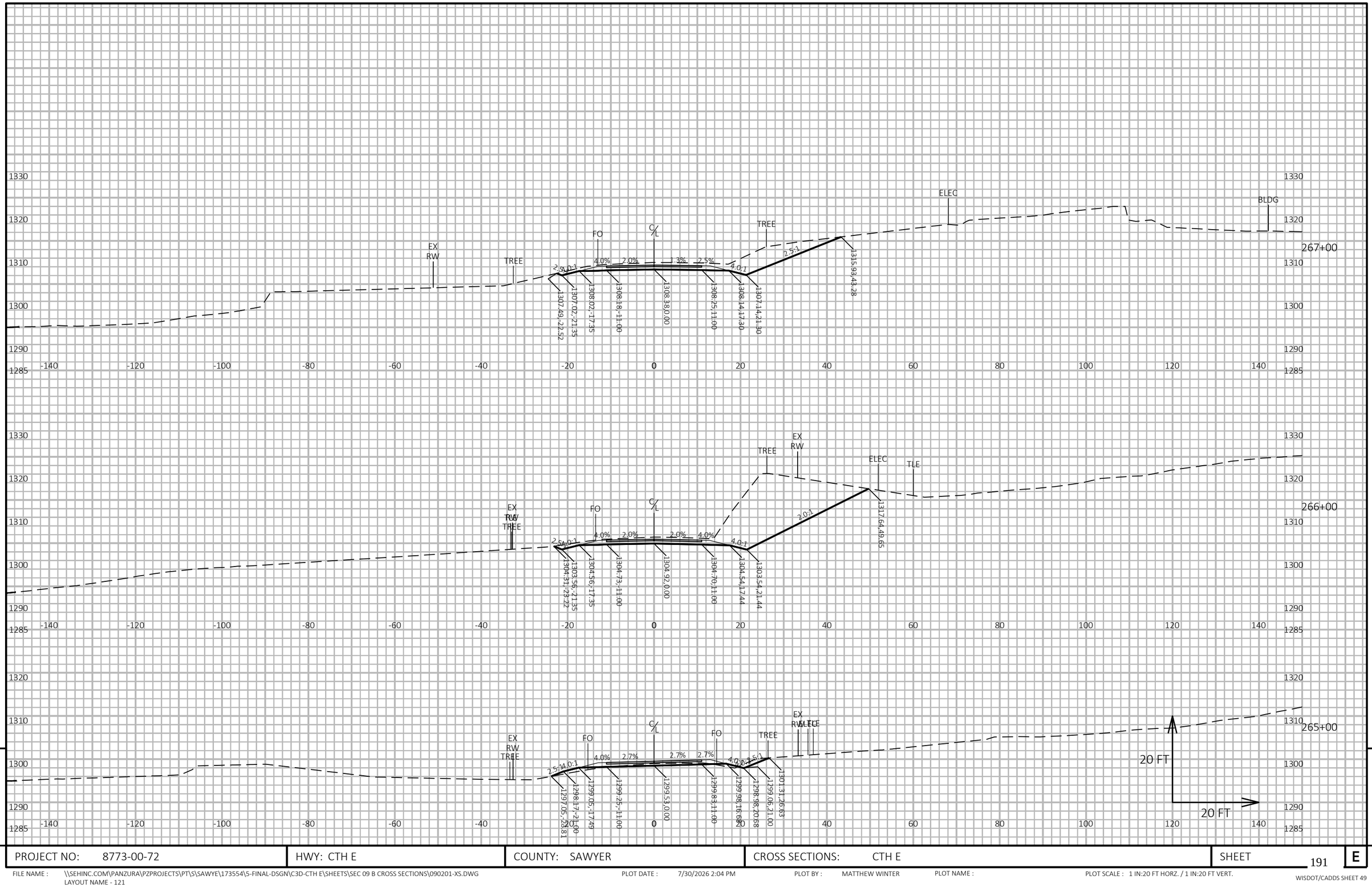
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 190	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 120

PLOT DATE : 9/29/2026 9:44 AM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 191 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 121

PLOT DATE : 7/30/2026 2:04 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

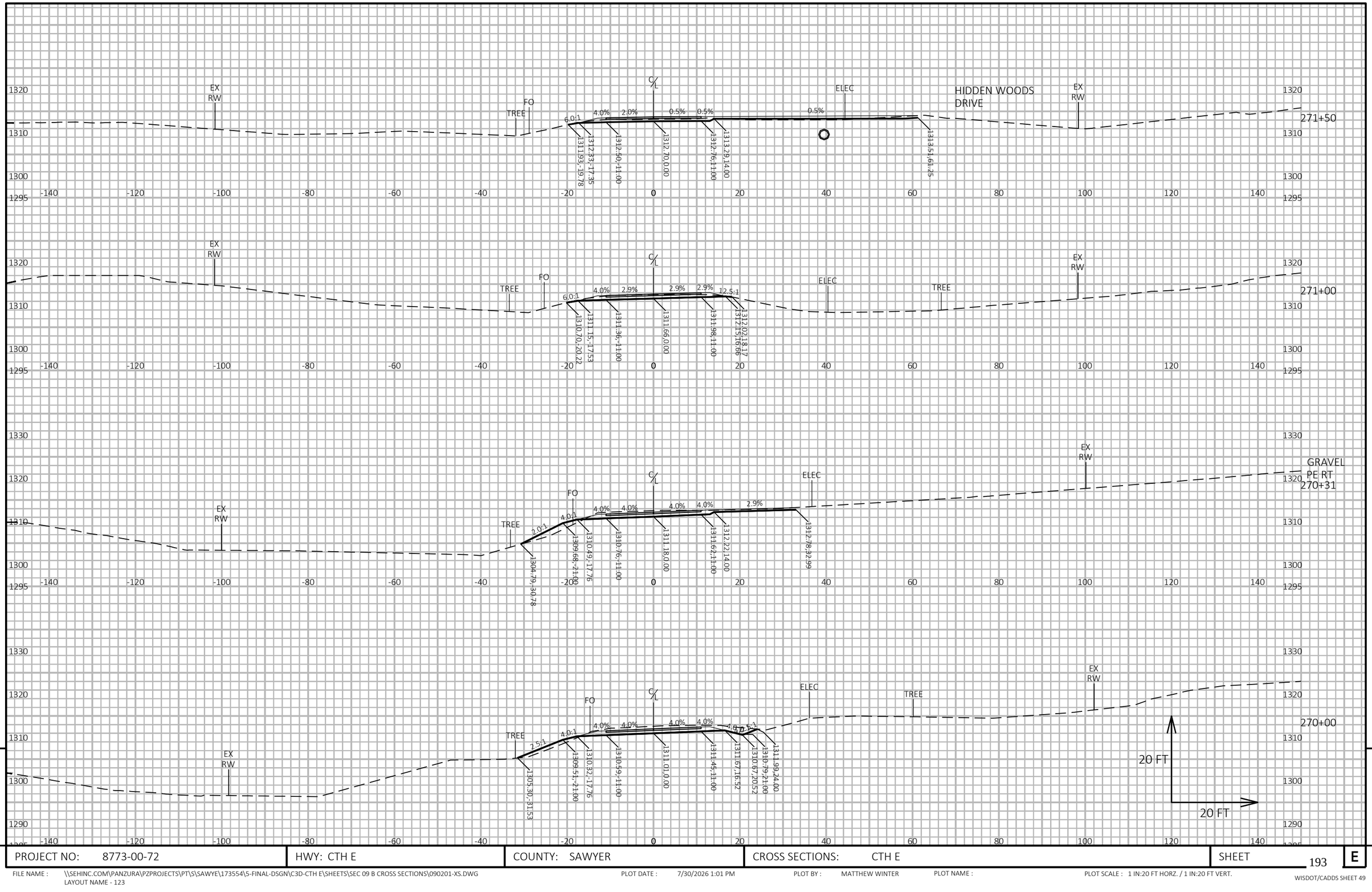
9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 192	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 122

PLOT DATE : 7/30/2026 1:21 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 193	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 123

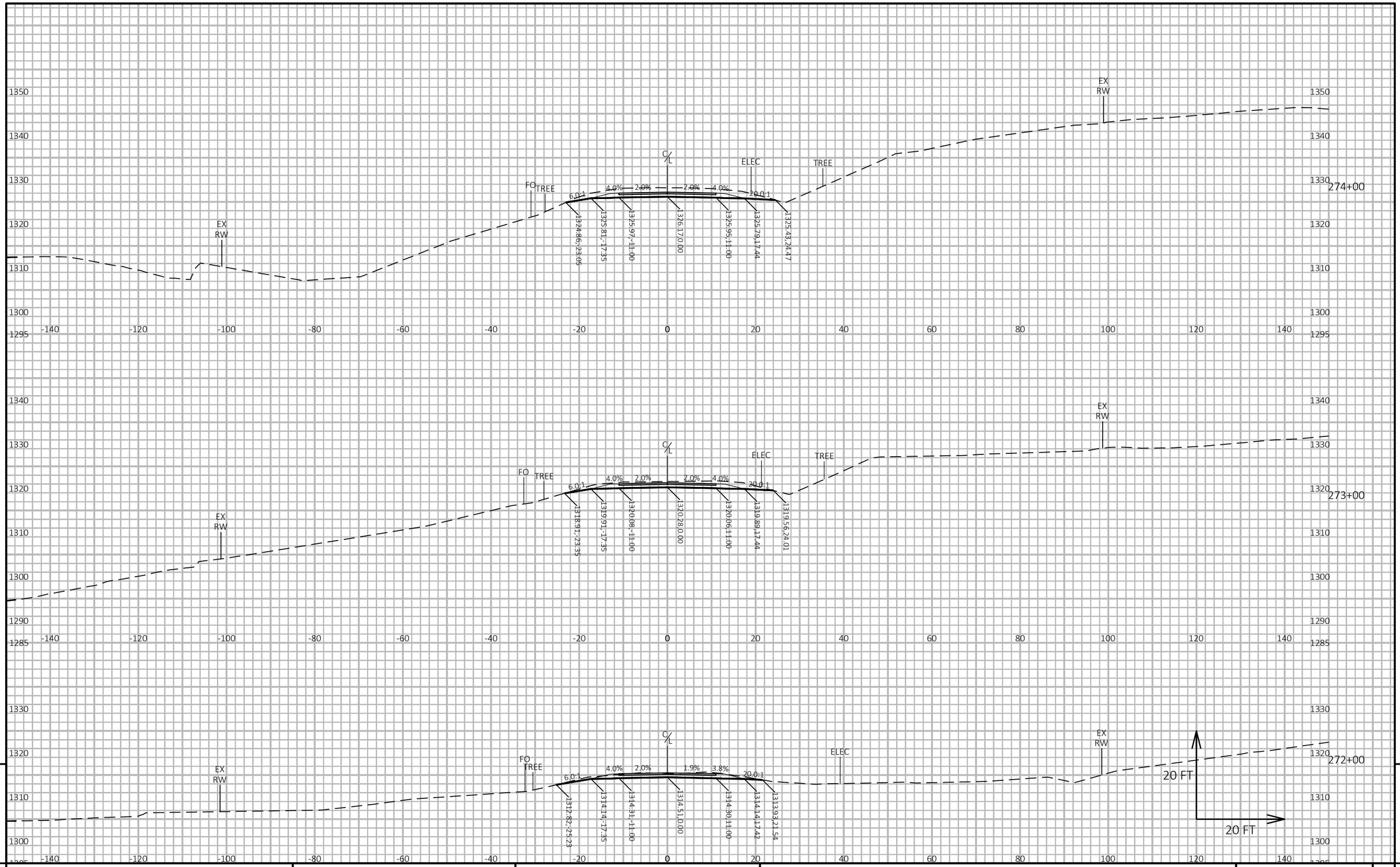
PLOT DATE : 7/30/2026 1:01 PM

PLOT BY : MATTHEW WINTER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

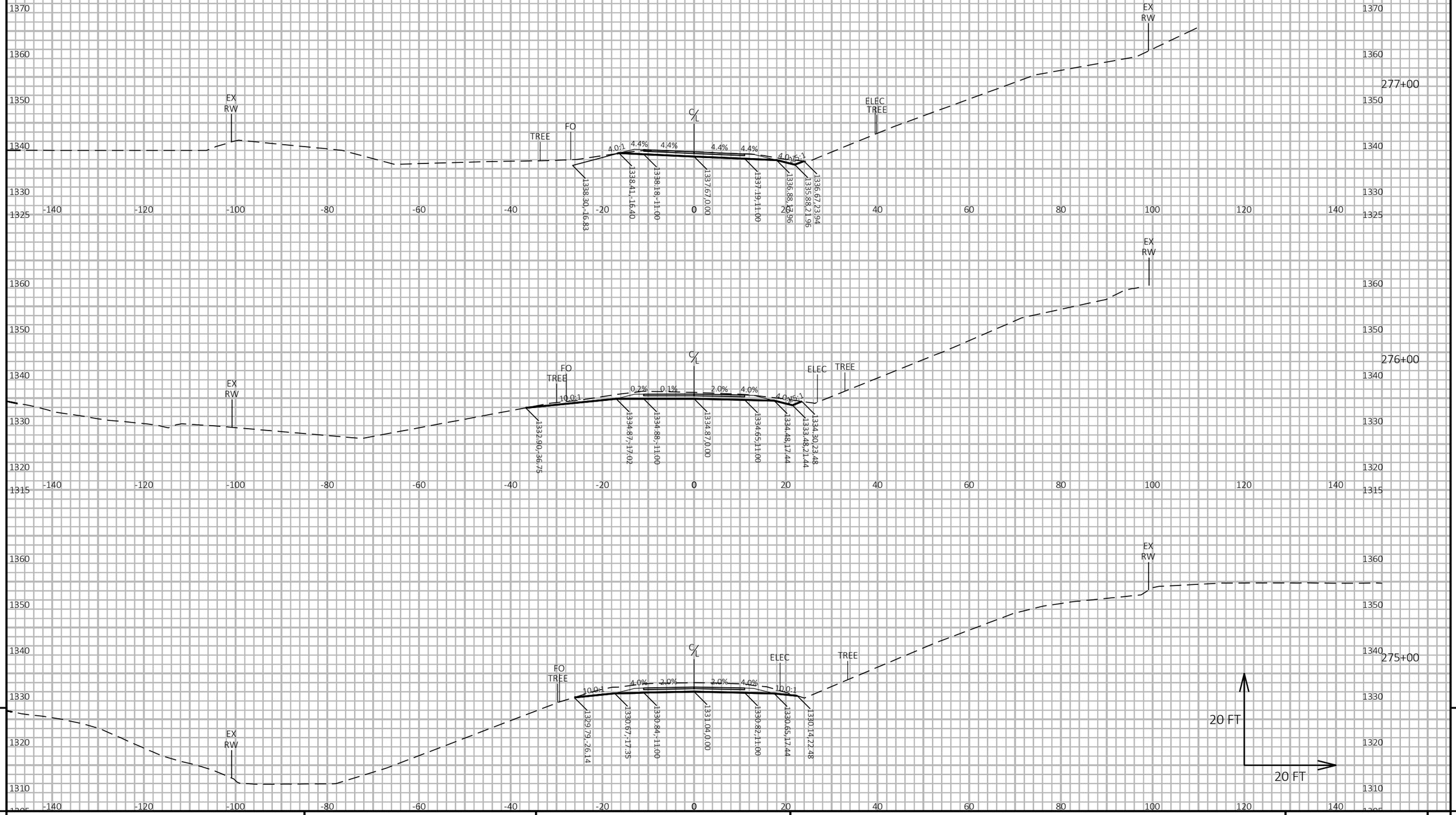


PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 194	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 124

PLOT DATE : 7/30/2026 2:00 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



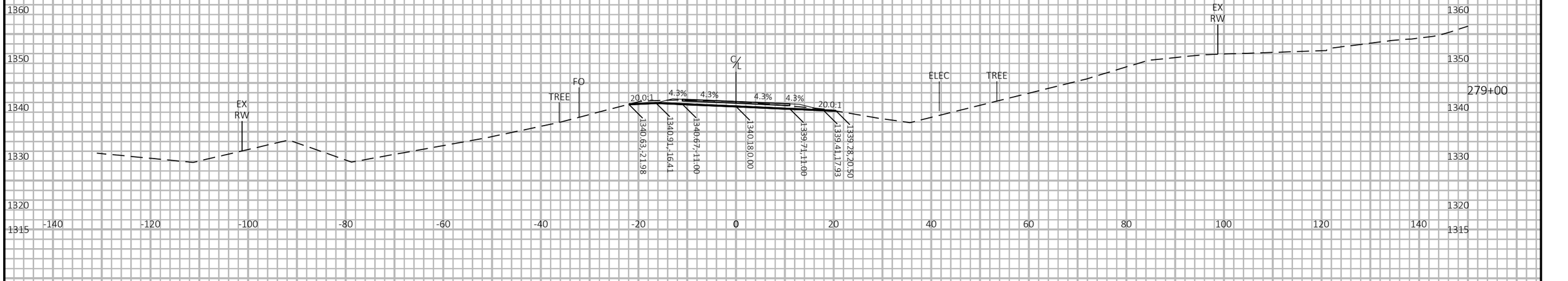
9

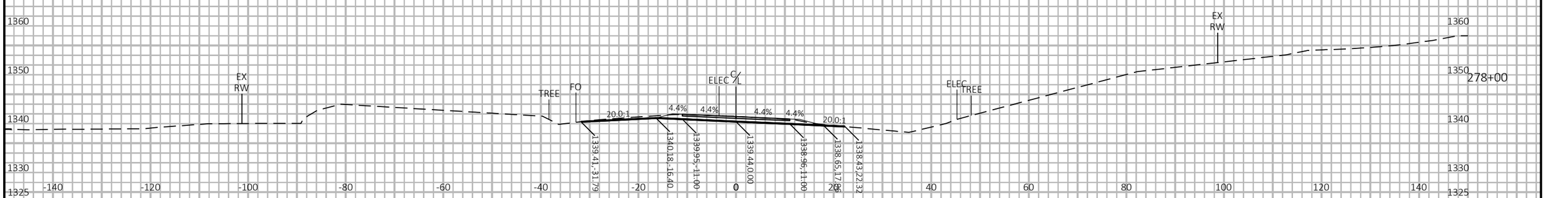
9

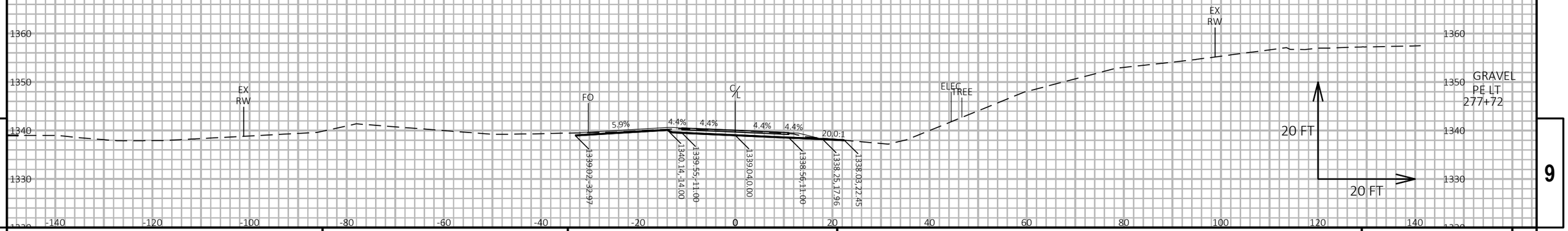
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 195	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 125

PLOT DATE : 7/30/2026 1:28 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







9

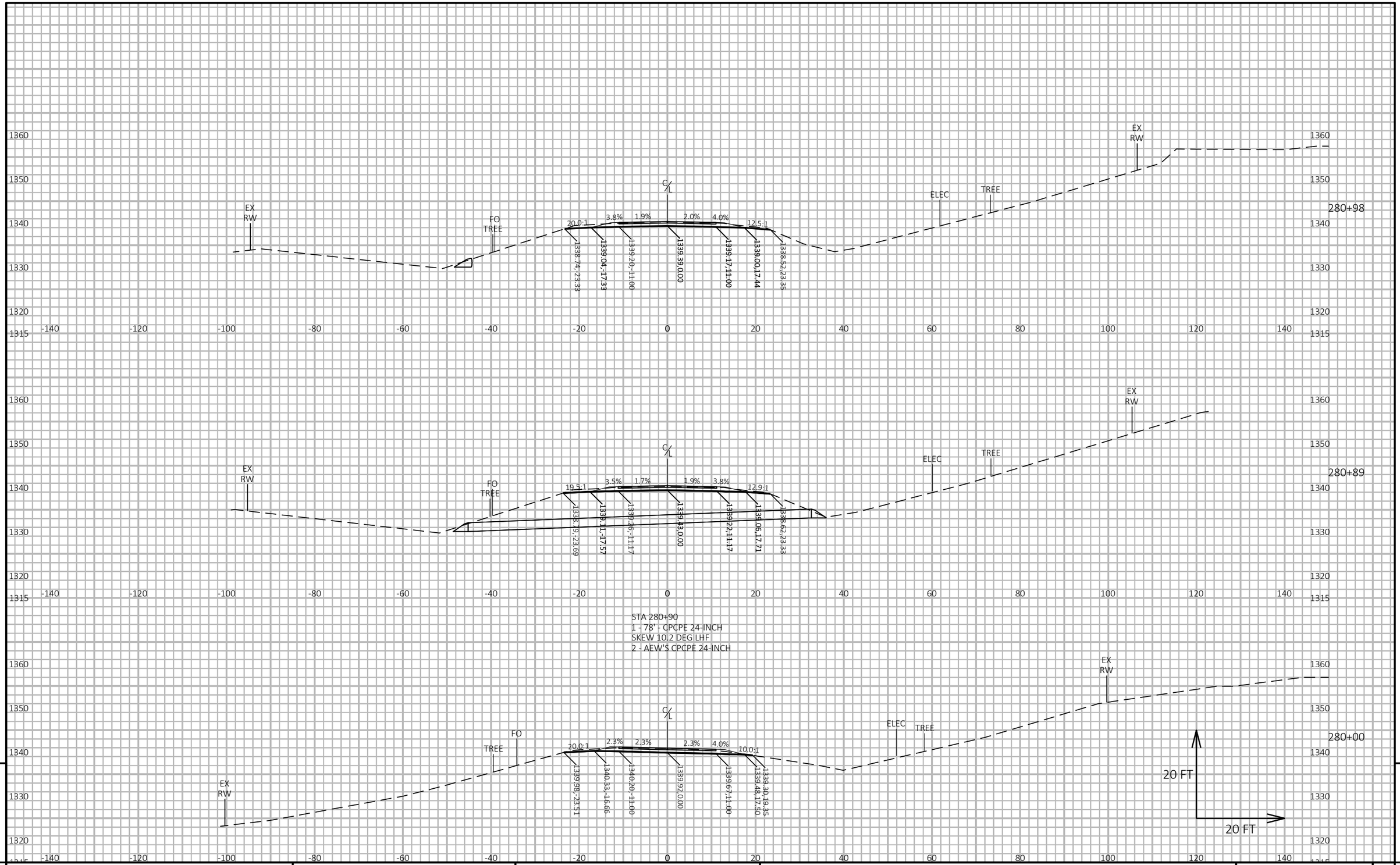
9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 196	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 126

PLOT DATE : 7/30/2026 12:57 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

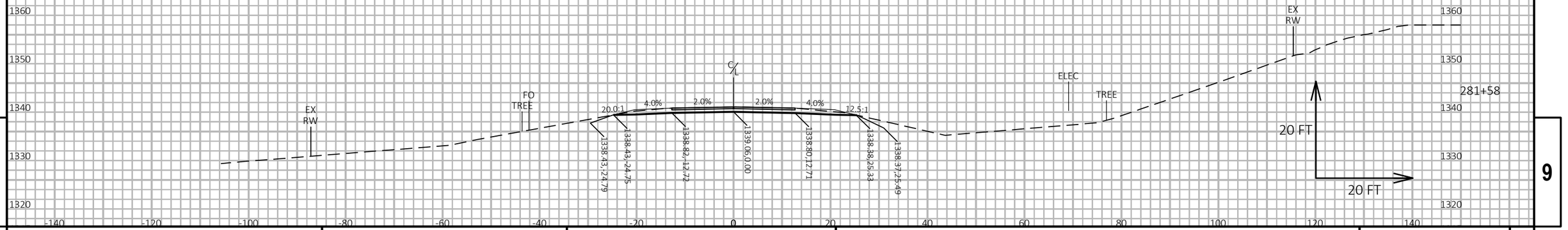
PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 197	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 127

PLOT DATE : 8/1/2026 6:32 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT
STA 281+58



9

9

PROJECT NO: 8773-00-72	HWY: CTH E	COUNTY: SAWYER	CROSS SECTIONS: CTH E	SHEET 198	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\PT\S\SAWYE\173554\5-FINAL-DSGN\C3D-CTH E\SHEETS\SEC 09 B CROSS SECTIONS\090201-XS.DWG
LAYOUT NAME - 128

PLOT DATE : 7/30/2026 2:05 PM PLOT BY : MATTHEW WINTER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov