SUP

NOVEMBER 2026

PROJECT ID: **8590-00-71**

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 = 260

DESIGN DESIGNATION 8590-00-01

A.A.D.T.	2017	=	510
A.A.D.T.	2027	=	510
D.H.V.		=	106
D.D.		=	60/40
T.		=	36.4
DESIGN SPEED		=	60 MPH / 35 MPH
ESALS		=	740,000

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

BRUCE - RADISSON

1.0 MI TO 0.08 MI S OF ELM CREEK RD

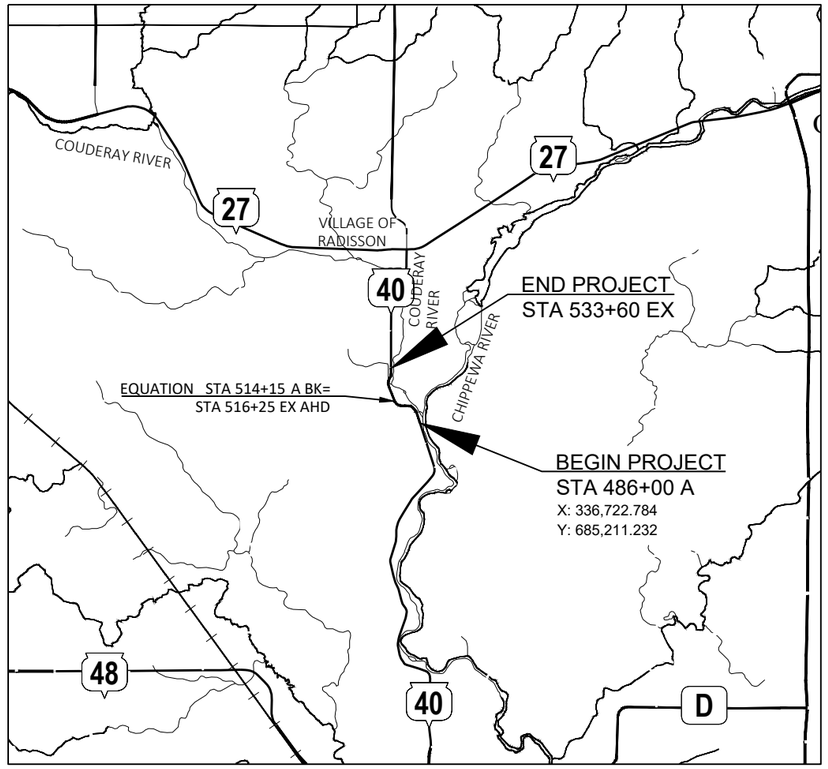
STH 40

SAWYER

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8590-00-71	WISC 2027053	1

STATE PROJECT NUMBER **8590-00-71**

R. 7 W. / R. 6 W.



T. 38 N. / T. 37 N.

LAYOUT

SCALE 0 — 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 0.862 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 (2008). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	REI ENGINEERING
Designer	CAITLIN BUKOVITZ, P.E.
Project Manager	BETH CUNNINGHAM, P.E.
Regional Examiner	NW REGION
Regional Supervisor	TOU YANG, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 09/24/2026 Beth Cunningham (Signature)

E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\010101_TI.DWG PLOT DATE : 5/18/2026 5:12 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME :

UTILITIES CONTACTS

BEVCOMM
COMMUNICATION LINE
RANDY MONNIER
N3767 4TH ST
WEYERHAUSER, WI 54895
PHONE: 715-353-2434
EMAIL: MONNIER@BEVCOMM.COM

NORTH CENTRAL POWER COMPANY INC
ELECTRICITY
MICHAEL HEATH
3661 N CLARK ST, PO BOX 68
RADISSON, WI 54867-0068
PHONE: 715-945-2630
EMAIL: NCPMIKE85@YAHOO.COM

WISCONSIN DNR LIAISON

SHAWN HASELEU
NW REGION
810 W MAPLE ST
SPOONER, WI 54801
PHONE: 715-635-4228
EMAIL: shawn.haseleu@wisconsin.gov

DESIGN PROJECT MANAGER

BETH CUNNINGHAM
NW REGION - SPOONER
W7102 GREEN VALLEY RD
SPOONER, WI 54801
PHONE: 715-635-4973
EMAIL: beth.cunningham@dot.wi.gov

DESIGN PROJECT LEADER

CAITLIN BUKOVITZ
NW REGION - SUPERIOR
1701 N 4TH ST
SUPERIOR, WI 54880
PHONE: 715-395-7975
EMAIL: caitlin.bukovitz@dot.wi.gov

GENERAL NOTES

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

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

CURVE DATA IS BASED ON THE ARC DEFINITION.

MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN 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.

2

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

EMERGENCY CONTACT NUMBERS FOR POWER COMPANY

GAS 24 HOUR EMERGENCY SERVICE: 1-888-123-4567

EMERGENCY CONTACT NUMBERS FOR POWER COMPANY

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-888-123-4567
GAS 24 HOUR EMERGENCY SERVICE: 1-888-123-4567

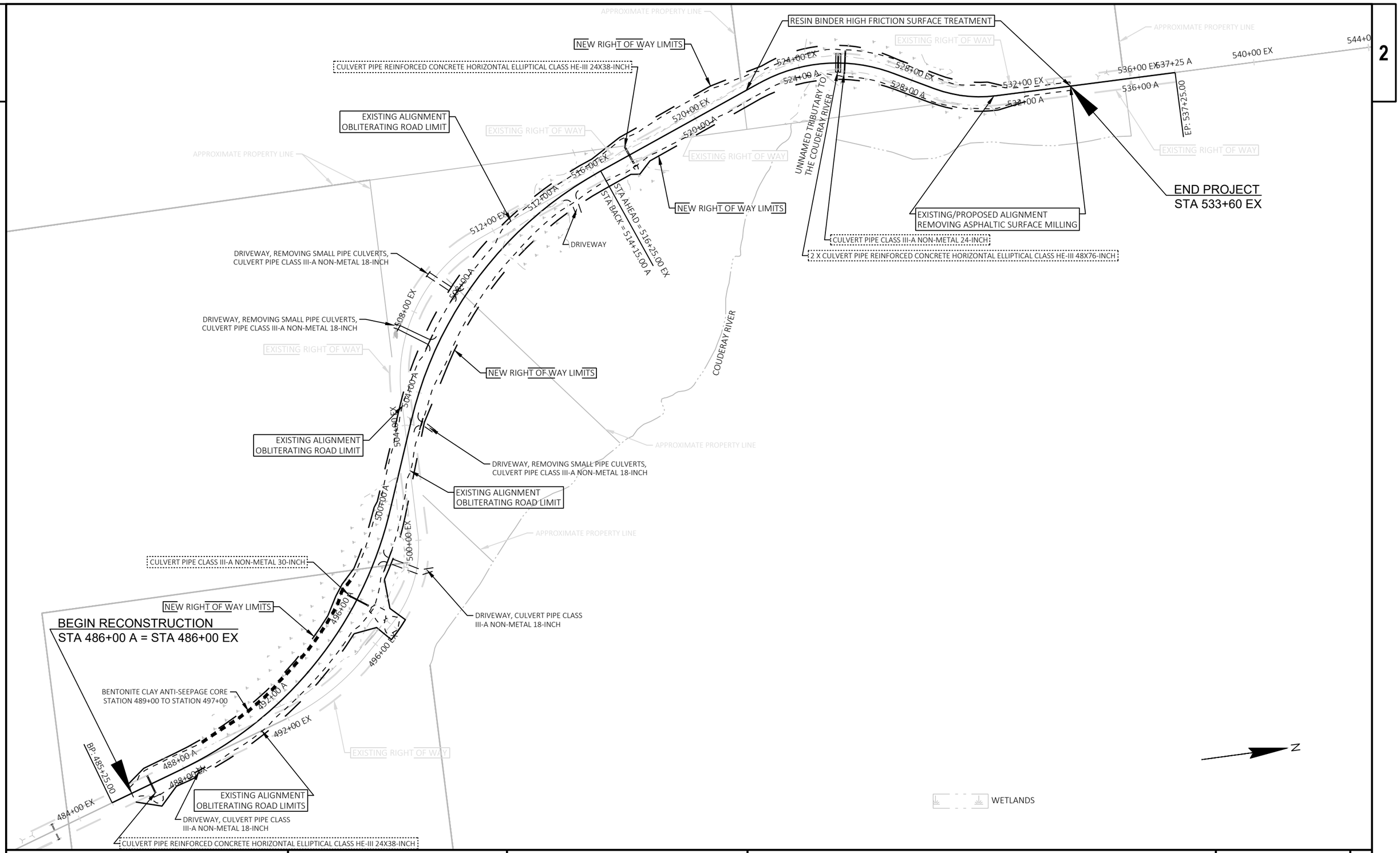
EMERGENCY CONTACT NUMBERS FOR POWER COMPANY

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-888-123-4567
GAS 24 HOUR EMERGENCY SERVICE: 1-888-123-4567

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
DETOUR SHEETS
ALIGNMENT DETAILS

STH 40 - HMA PAVEMENT 4 LT 58-34 S - 5.5-INCHES		
LAYER	THICKNESS	TYPE
UPPER	2.0-INCHES	4 LT 58-34 S
MIDDLE	1.75-INCHES	4 LT 58-34 S
LOWER	1.75-INCHES	4 LT 58-34 S



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PROJECT OVERVIEW	SHEET 3	E

2

SAWYER COUNTY

RUSK COUNTY

BARRON COUNTY

PRICE COUNTY

TAYLOR COUNTY

CHIPPEWA COUNTY

CLEARING LOCATION
SEE PLAN SHEETS, DETOUR LOCATION #2

CLEARING LOCATION
SEE PLAN SHEETS, DETOUR LOCATION #1

CLEARING LOCATION
SEE PLAN SHEETS, DETOUR LOCATION #3

STH 40

STH 27

USH 8

DETOUR LOCATION #2

CLEARING

DETOUR LOCATION #1

CLEARING

DETOUR LOCATION #3

CLEARING

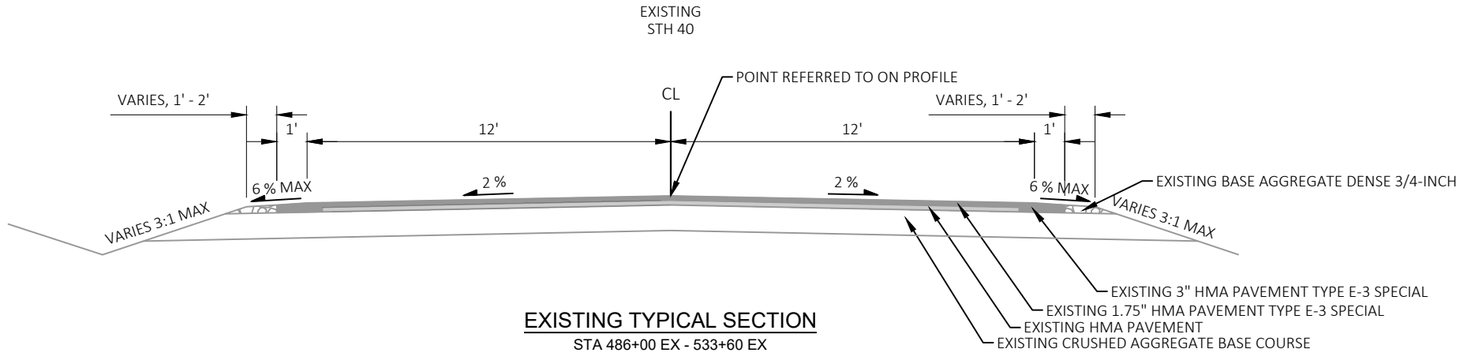
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PROJECT OVERVIEW - DETOUR CLEARING LOCATIONS	SHEET 4	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\020201_PO.DWG
LAYOUT NAME - po_02

PLOT DATE : 6/16/2026 1:38 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:3 MI

WISDOT/CADDS SHEET 42

SEE SUPERELEVATION TABLES FOR
ADDITIONAL CROSS SLOPE DETAILS

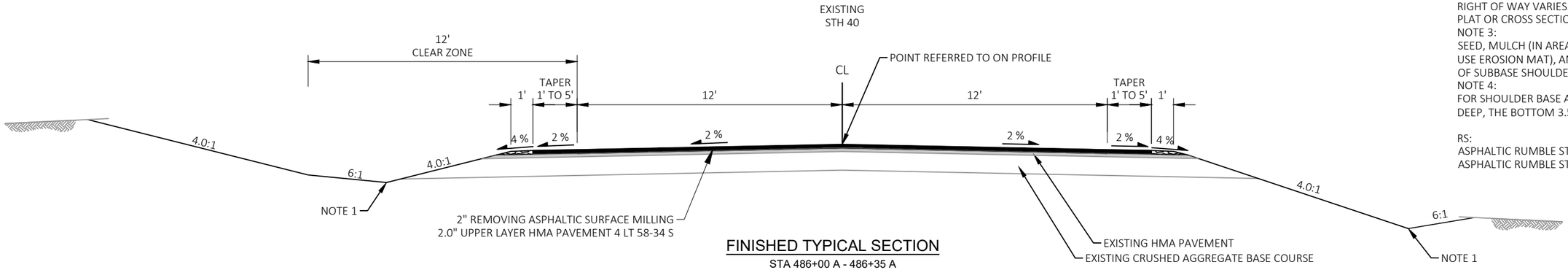


EXISTING TYPICAL SECTION

STA 486+00 EX - 533+60 EX

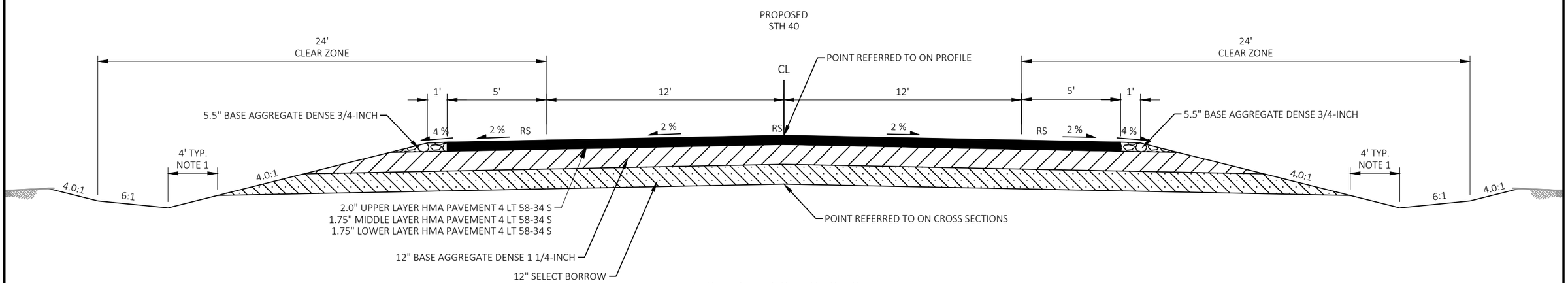
NOTE 1:
SEE DITCH PROFILES ON PLAN PROFILE SHEET FOR SPECIAL DITCHING INFORMATION.
NOTE 2:
RIGHT OF WAY VARIES. SEE RIGHT OF WAY PLAT OR CROSS SECTIONS.
NOTE 3:
SEED, MULCH (IN AREAS OF WATER FLOW, USE EROSION MAT), AND FERTILIZE OUTSIDE OF SUBBASE SHOULDER POINTS. SEE DETAIL.
NOTE 4:
FOR SHOULDER BASE AGGREGATE DENSE 5.5" DEEP, THE BOTTOM 3.5" MAY BE 1 1/4-INCH.

RS:
ASPHALTIC RUMBLE STRIPS, SHOULDER
ASPHALTIC RUMBLE STRIPS, CENTERLINE



FINISHED TYPICAL SECTION

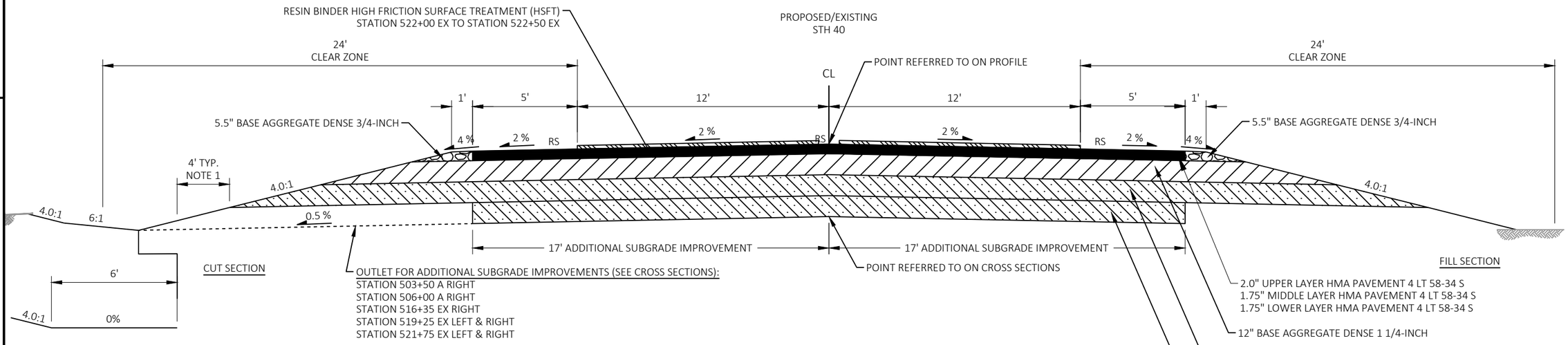
STA 486+00 A - 486+35 A



FINISHED TYPICAL SECTION

STA 486+35 A - 492+00 A

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	TYPICAL SECTIONS	SHEET 5	E



FLAT BOTTOM DITCH SECTION

LEFT SIDE	RIGHT SIDE
STA 492+50 A - 505+00 A	STA 495+75 A - 497+25 A
STA 510+00 A - 522+50 EX	

ADDTIONAL SUBGRADE IMPROVEMENTS (TOTAL 34' WIDTH)

- STATION 503+32 A (DEPTH 0') TO STATION 503+42 A (DEPTH 1') TO STATION 505+00 A (DEPTH 1.5') TO STATION 507+40 A (DEPTH 1') TO STATION 507+50 A (DEPTH 0')
- STATION 508+40 A (DEPTH 0') TO STATION 508+50 A (DEPTH 1') TO STATION 511+00 A (DEPTH 1') TO STATION 511+10 A (DEPTH 0')
- STATION 511+80 A (DEPTH 0') TO STATION 511+90 A (DEPTH 1') TO STATION 522+50 EX (DEPTH 1') TO STATION 522+60 EX (DEPTH 0')

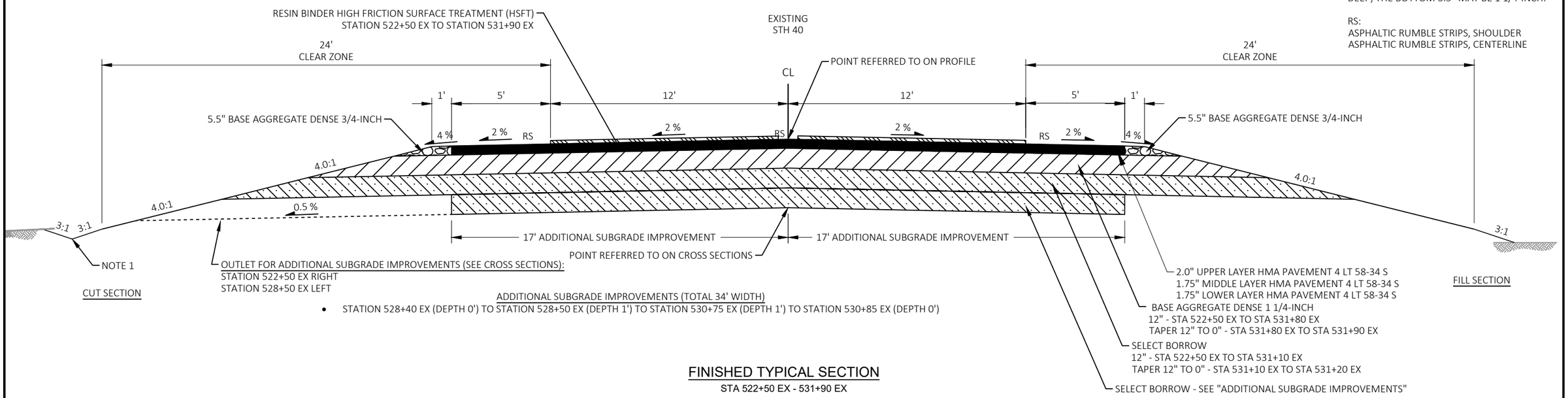
FINISHED TYPICAL SECTION

STA 492+00 A - 514+15 A
STA 516+25 EX - 522+50 EX

STATION EQUATION
STA 514+15 A = STA 516+25 EX

NOTE 1:
SEE DITCH PROFILES ON PLAN PROFILE SHEET FOR SPECIAL DITCHING INFORMATION.
NOTE 2:
RIGHT OF WAY VARIES. SEE RIGHT OF WAY PLAT OR CROSS SECTIONS.
NOTE 3:
SEED, MULCH (IN AREAS OF WATER FLOW, USE EROSION MAT), AND FERTILIZE OUTSIDE OF SUBBASE SHOULDER POINTS. SEE DETAIL.
NOTE 4:
FOR SHOULDER BASE AGGREGATE DENSE 5.5" DEEP, THE BOTTOM 3.5" MAY BE 1 1/4-INCH.

RS:
ASPHALTIC RUMBLE STRIPS, SHOULDER
ASPHALTIC RUMBLE STRIPS, CENTERLINE



ADDITIONAL SUBGRADE IMPROVEMENTS (TOTAL 34' WIDTH)

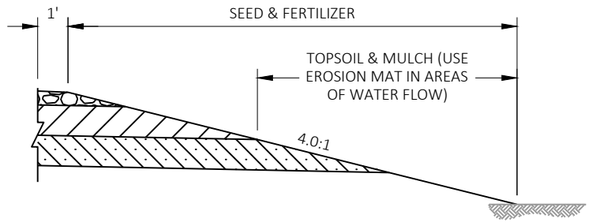
- STATION 528+40 EX (DEPTH 0') TO STATION 528+50 EX (DEPTH 1') TO STATION 530+75 EX (DEPTH 1') TO STATION 530+85 EX (DEPTH 0')

FINISHED TYPICAL SECTION

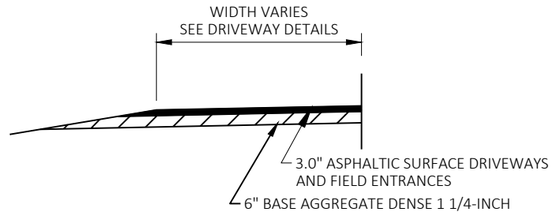
STA 522+50 EX - 531+90 EX

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	TYPICAL SECTIONS	SHEET 6	E

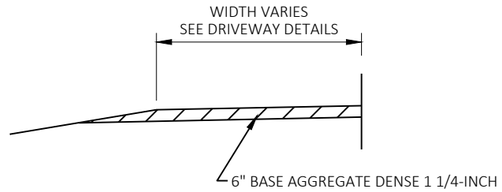
2



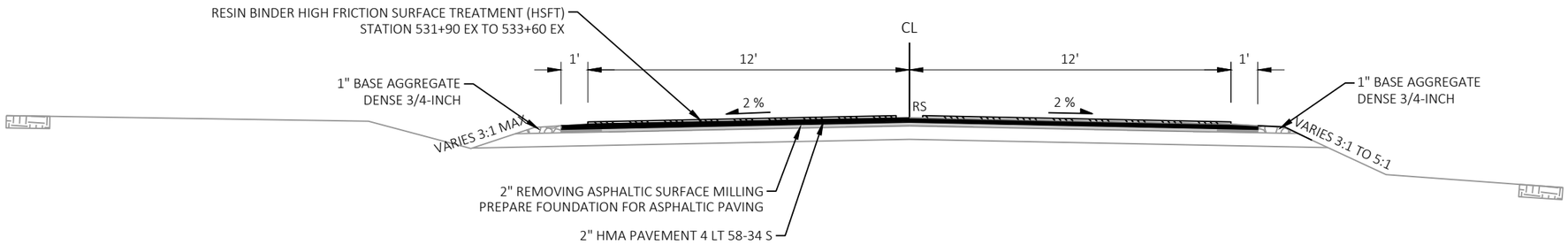
RESTORATION DETAIL



PAVED DRIVEWAY HALF SECTION



UNPAVED DRIVEWAY HALF SECTION



FINISHED TYPICAL SECTION

STA 531+90 EX - 533+60 EX

NOTE 1:
SEE DITCH PROFILES ON PLAN PROFILE SHEET FOR SPECIAL DITCHING INFORMATION.
NOTE 2:
RIGHT OF WAY VARIES. SEE RIGHT OF WAY PLAT OR CROSS SECTIONS.
NOTE 3:
SEED, MULCH (IN AREAS OF WATER FLOW, USE EROSION MAT), AND FERTILIZE OUTSIDE OF SUBBASE SHOULDER POINTS. SEE DETAIL.
NOTE 4:
FOR SHOULDER BASE AGGREGATE DENSE 5.5" DEEP, THE BOTTOM 3.5" MAY BE 1 1/4-INCH.

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	TYPICAL SECTIONS	SHEET 7	E

2

STATION	TO	STATION	Description		LT SHOULDER AGGREGATE	LT SHOULDER PAVED	LT LANE	RT LANE	RT SHOULDER PAVED	RT SHOULDER AGGREGATE
		485+00.00		BEGIN ALIGNMENT	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%
485+00.00		486+35.93	BEGIN ALIGNMENT	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%
CURVE 1										
486+35.93		486+89.26	END NORMAL CROWN	LEVEL CROWN	-4.00%	-2.00%	-2.00%	0.00%	0.00%	0.00%
486+89.26		487+42.60	LEVEL CROWN	REVERSE CROWN	-4.00%	-2.00%	-2.00%	2.00%	2.00%	2.00%
487+42.60		487+95.93	REVERSE CROWN	LOW SHOULDER MATCH	-4.00%	-4.00%	-4.00%	4.00%	4.00%	4.00%
487+95.93		488+49.26	LOW SHOULDER MATCH	BEGIN FULL SUPER	-6.00%	-6.00%	-6.00%	6.00%	6.00%	6.00%
488+49.26		499+24.30	BEGIN FULL SUPER	END FULL SUPER	-6.00%	-6.00%	-6.00%	6.00%	6.00%	6.00%
499+24.30		499+77.63	END FULL SUPER	LOW SHOULDER MATCH	-4.00%	-4.00%	-4.00%	4.00%	4.00%	4.00%
499+77.63		500+30.96	LOW SHOULDER MATCH	REVERSE CROWN	-4.00%	-2.00%	-2.00%	2.00%	2.00%	2.00%
500+30.96		500+84.30	REVERSE CROWN	LEVEL CROWN	-4.00%	-2.00%	-2.00%	0.00%	0.00%	0.00%
500+84.30		501+37.63	LEVEL CROWN	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%
501+37.63		501+43.30	BEGIN NORMAL CROWN	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%
CURVE 2										
501+43.30		501+96.64	END NORMAL CROWN	LEVEL CROWN	0.00%	0.00%	0.00%	-2.00%	-2.00%	-4.00%
501+96.64		502+49.97	LEVEL CROWN	REVERSE CROWN	2.00%	2.00%	2.00%	-2.00%	-2.00%	-4.00%
502+49.97		503+03.30	REVERSE CROWN	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	-4.00%	-4.00%	-4.00%
503+03.30		503+56.64	LOW SHOULDER MATCH	BEGIN FULL SUPER	6.00%	6.00%	6.00%	-6.00%	-6.00%	-6.00%
503+56.64		513+55.42	BEGIN FULL SUPER	END FULL SUPER	6.00%	6.00%	6.00%	-6.00%	-6.00%	-6.00%
513+55.42		514+08.75	END FULL SUPER	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	-4.00%	-4.00%	-4.00%
514+08.75		516+72.09	LOW SHOULDER MATCH	REVERSE CROWN	2.00%	2.00%	2.00%	-2.00%	-2.00%	-4.00%
516+72.09		517+25.42	REVERSE CROWN	LEVEL CROWN	0.00%	0.00%	0.00%	-2.00%	-2.00%	-4.00%
517+25.42		517+78.75	LEVEL CROWN	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%
517+25.42		517+78.75	BEGIN NORMAL CROWN	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%
CURVE 3										
521+44.46		521+83.35	END NORMAL CROWN	LEVEL CROWN	0.00%	0.00%	0.00%	-2.00%	-2.00%	-4.00%
521+83.35		522+22.24	LEVEL CROWN	REVERSE CROWN	2.00%	2.00%	2.00%	-2.00%	-2.00%	-4.00%
522+22.24		522+61.13	REVERSE CROWN	LOW SHOULDER MATCH	4.00%	4.00%	4.00%	-4.00%	-4.00%	-4.00%
522+61.13		522+88.35	LOW SHOULDER MATCH	BEGIN FULL SUPER	5.40%	5.40%	5.40%	-5.40%	-5.40%	-5.40%
522+88.35		526+93.37	BEGIN FULL SUPER	END FULL SUPER	5.40%	5.40%	5.40%	-5.40%	-5.40%	-5.40%
CURVE 4										
529+20.30		530+64.46	BEGIN FULL SUPER	END FULL SUPER	-5.80%	-5.80%	-5.80%	5.80%	5.80%	5.80%
530+64.46		530+99.22	END FULL SUPER	LOW SHOULDER MATCH	-4.00%	-4.00%	-4.00%	4.00%	4.00%	4.00%
530+99.22		531+37.84	LOW SHOULDER MATCH	REVERSE CROWN	-4.00%	-2.00%	-2.00%	2.00%	2.00%	2.00%
531+37.84		531+76.46	REVERSE CROWN	LEVEL CROWN	-4.00%	-2.00%	-2.00%	0.00%	0.00%	0.00%
531+76.46		532+15.09	LEVEL CROWN	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%
537+25.00			END ALIGNMENT		-4.00%	-2.00%	-2.00%	-2.00%	-2.00%	-4.00%

2

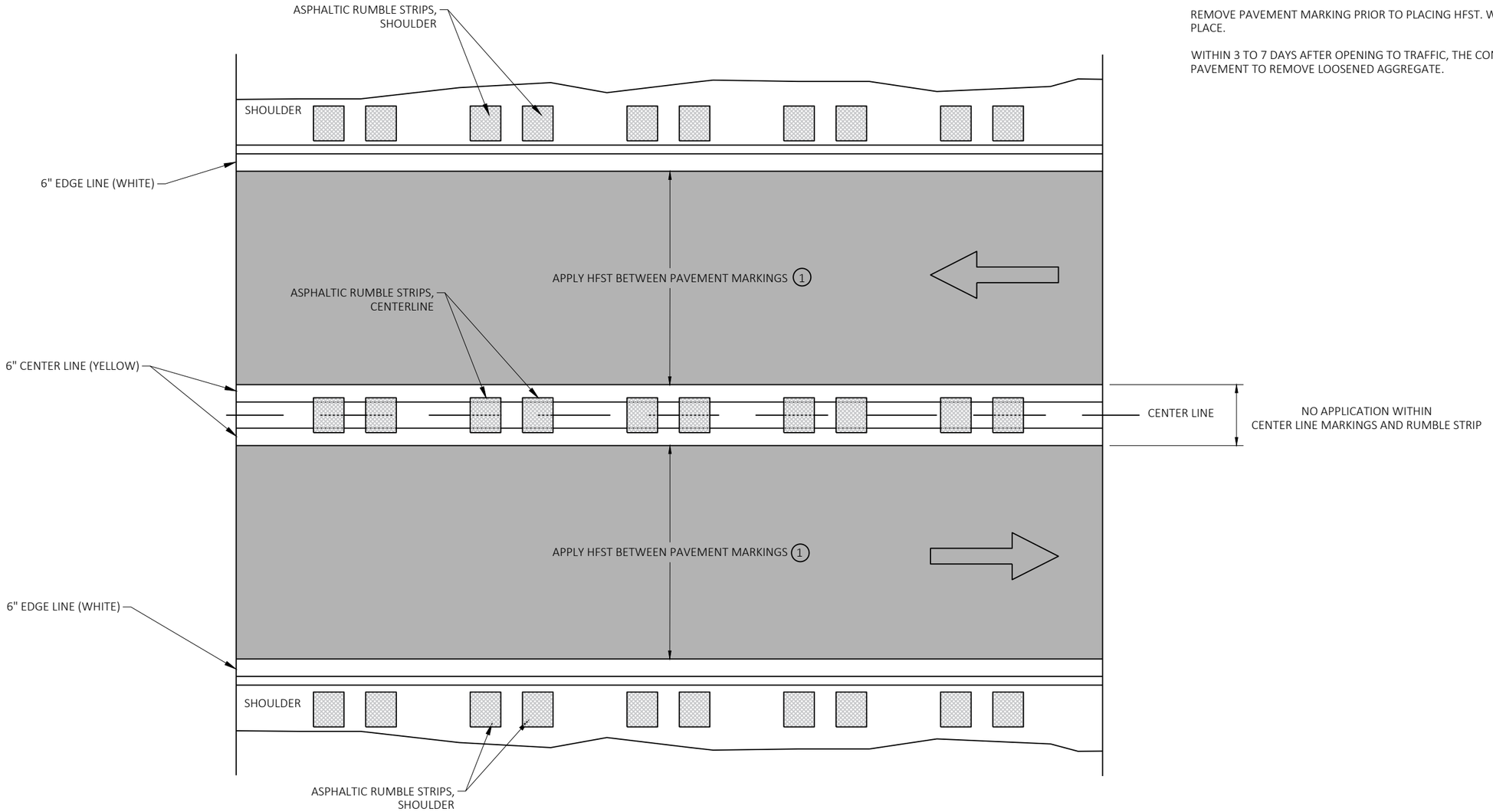
GENERAL NOTES

(1) PROVIDE 30-DAY CURE TIME ON NEW HMA PAVEMENT PRIOR TO PLACING HFST.

PLACE WHEN AMBIENT AIR OR PAVEMENT SURFACE TEMPERATURE IS ABOVE 50°F.

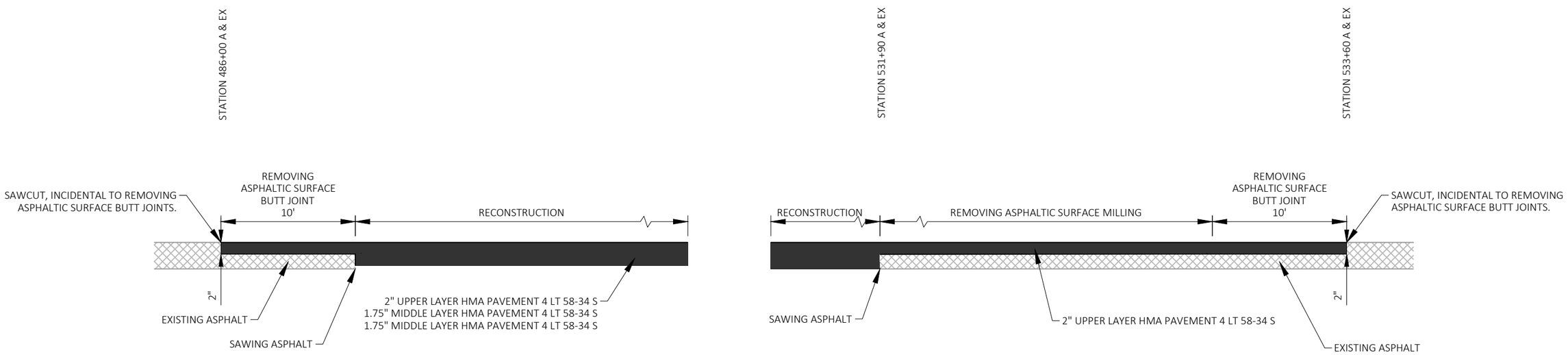
REMOVE PAVEMENT MARKING PRIOR TO PLACING HFST. WATERBORNE PAINT MAY REMAIN IN PLACE.

WITHIN 3 TO 7 DAYS AFTER OPENING TO TRAFFIC, THE CONTRACTOR SHALL VACUUM SWEEP THE PAVEMENT TO REMOVE LOOSENED AGGREGATE.

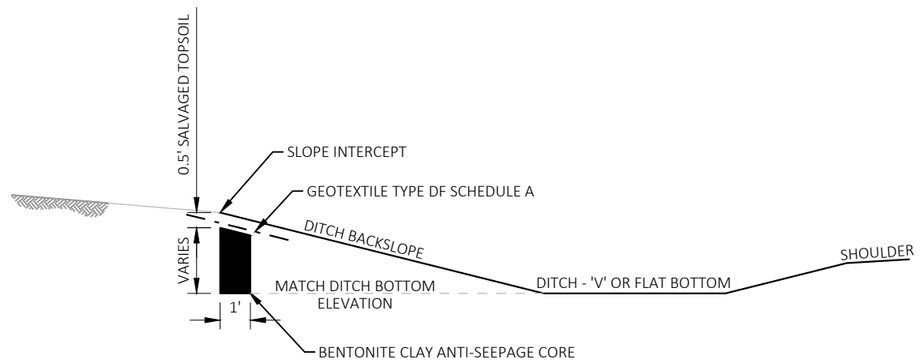


RESIN BINDER HIGH FRICTION SURFACE TREATMENT (HFST)

2



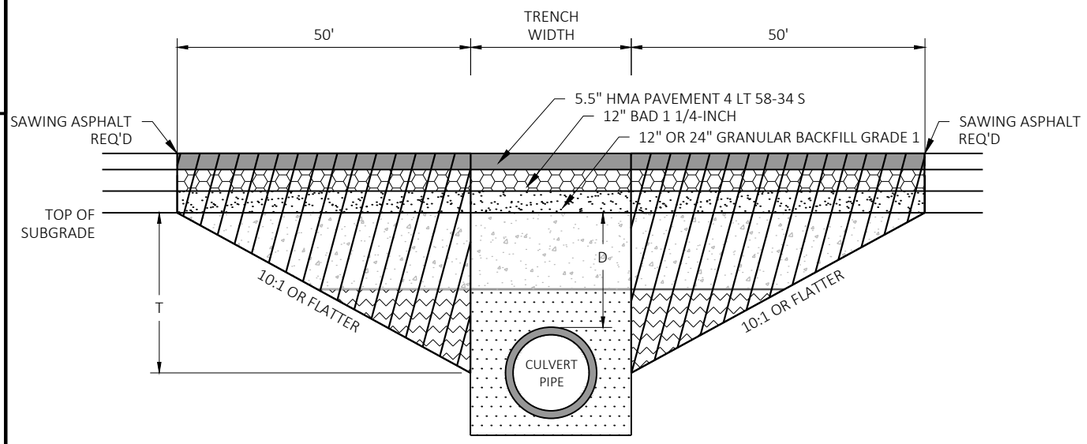
DETAIL OF MAINLINE BUTT JOINT



NOTE: INSTALL CLAY CORE PRIOR TO DITCH EXCAVATION STATION 489+00 A TO STATION 497+00 A

NOTE: THE DEPARTMENT WILL PAY SEPARATELY FOR THE TRENCH EXCAVATION UNDER THE EXCAVATION COMMON BID ITEM.

BENTONITE CLAY ANTI-SEEPAGE CORE



DEPTH D < 6 FT

TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

NOTES

TRANSITION CUT IS PAID AS EXCAVATION COMMON.
TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.
BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520.
PERFORM CULVERT PIPE INSTALLATION BEFORE PLACING HMA.

*FOR MAINLINE CULVERTS, BACKFILL MUST MEET BACKFILL GRANULAR GRADE 2 STANDARDS

CULVERT PIPE TRANSITION

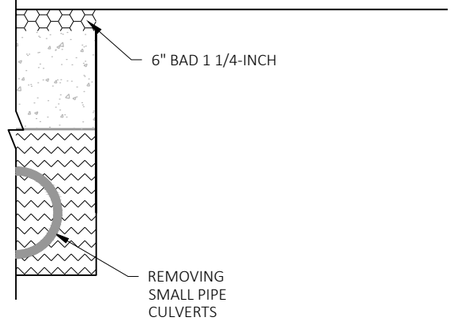
STA (CL)	DEPTH D AT CL (FT)	PIPE DIA (IN)	REMARKS
486+75 A	-	24"X38"	WITHIN GRANULAR BACKFILL
496+25 A	1.7	30"	
515+29 A	-	24"X38"	WITHIN GRANULAR BACKFILL
525+31 A	0.2	48"X76"	
525+42 A	0.0	48"X76"	
525+60 A	1.3	24"	PERCHED

KEY

- HMA PAVEMENT 4 LT 58-34 S
- BASE AGGREGATE DENSE 1 1/4-INCH
- SELECT BORROW
- TRENCH BACKFILL*
- TRENCH OR FOUNDATION BACKFILL*
- FOUNDATION BACKFILL
- TRANSITION CUT

MAINLINE CULVERT PIPE TRANSITION
CULVERT REPLACEMENT OR NEW CULVERT

NOTE:
SAWING ASPHALT AND 3" ASPHALTIC SURFACE
DRIVEWAYS AND FIELD ENTRANCES REQ'D FOR
DRIVEWAY LOCATED AT STATION 505+75 A



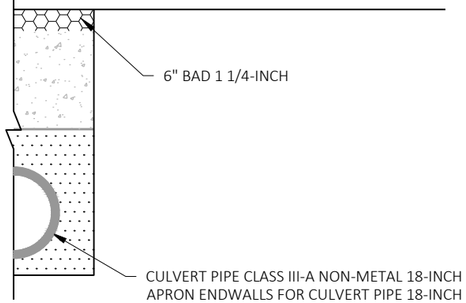
DRIVEWAY CULVERT REMOVAL

HALF SECTION DRIVEWAY CULVERT PIPE

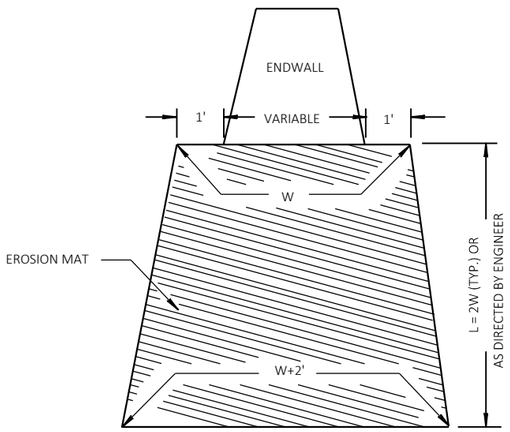
TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

STA	DEPTH D AT CL (FT)	PIPE DIA (IN)	REMARKS
498+15 A (RT)	2.5	18"	GRAVEL DWY
503+00 A (RT)	2.0	18"	GRAVEL DWY
505+75 A (LT)	2.4	18"	ASPHALT DWY
509+50 A (LT)	2.6	18"	GRAVEL DWY

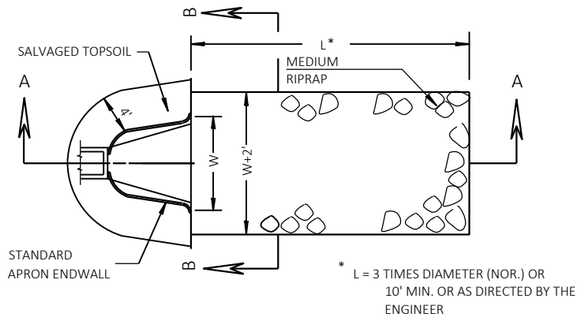
NOTE:
SAWING ASPHALT AND 3" ASPHALTIC SURFACE
DRIVEWAYS AND FIELD ENTRANCES REQ'D AT
STATION 505+75 A

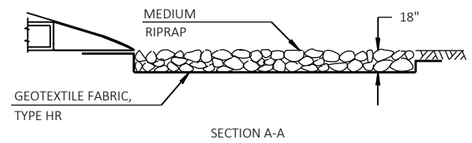


DRIVEWAY INSTALLATION IN NEW LOCATION

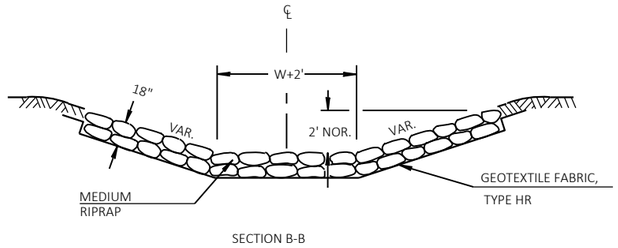


EROSION MAT TREATMENT AT CULVERTS





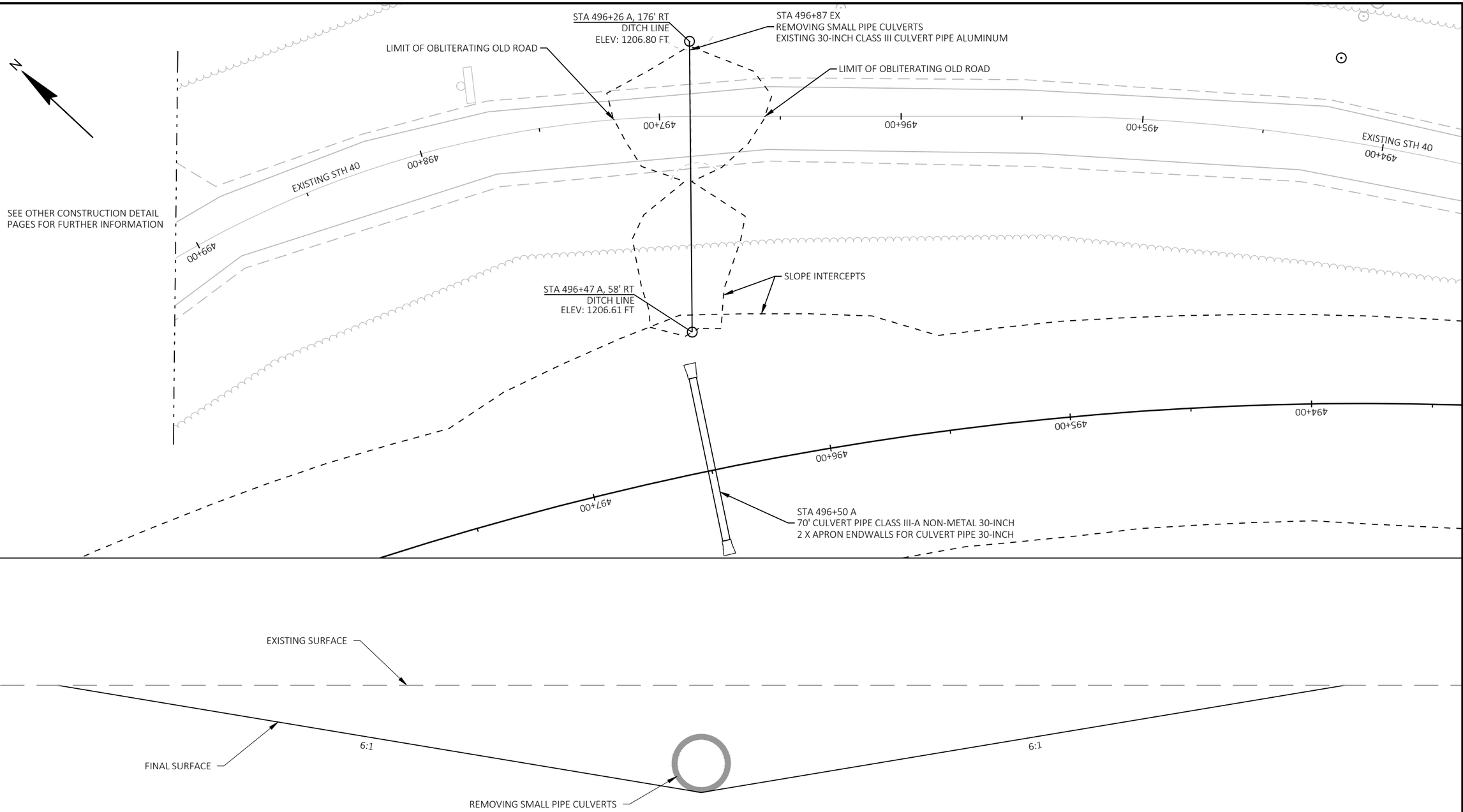
SECTION A-A



SECTION B-B

MEDIUM RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALL

2



CULVERT REMOVAL AND DITCHING AT STATION 496+89 EX

THE DEPTH OF DITCH AND RELATED LENGTH OF BACKSLOPE VARIES.

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CONSTRUCTION DETAILS	SHEET 13	E

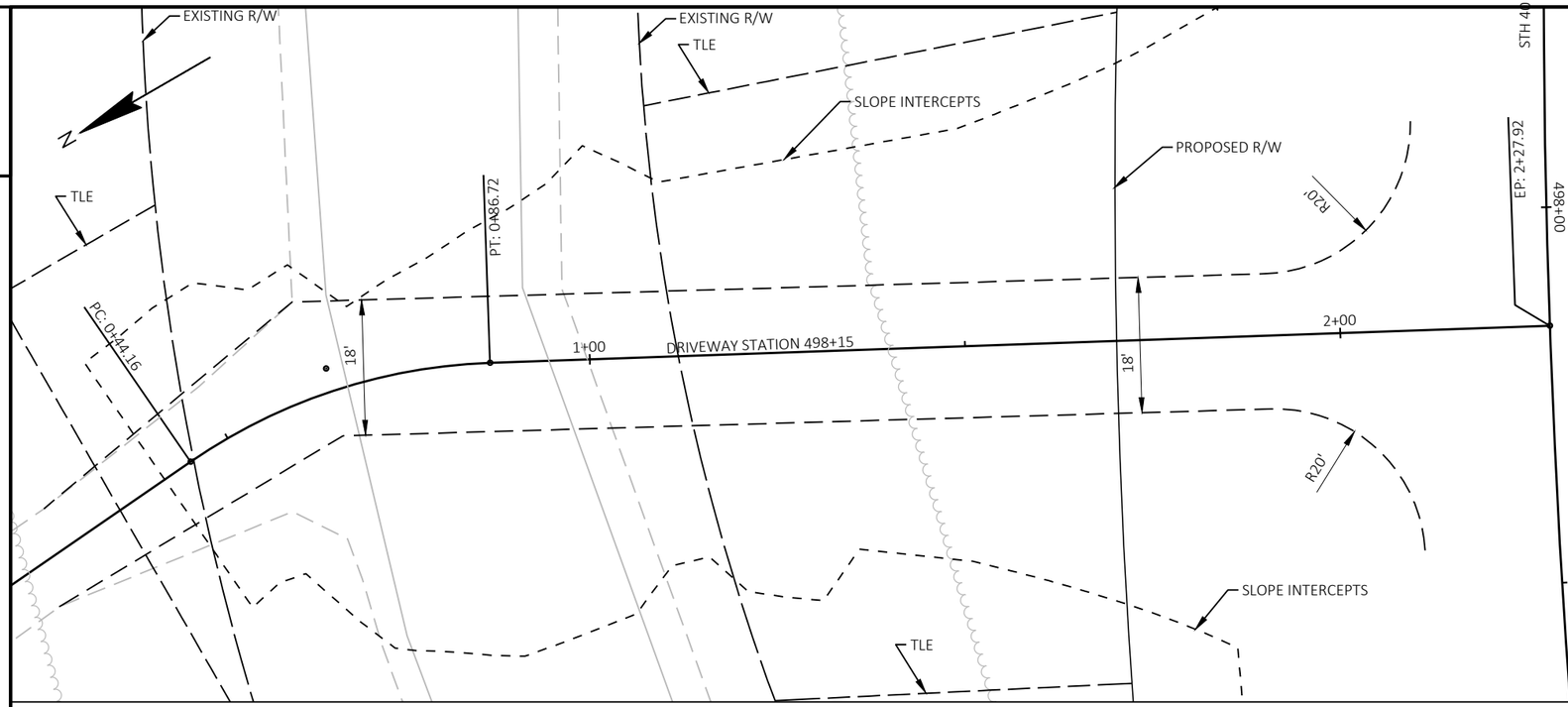
FILE NAME : N:\PDS\C3D\85900001\SHEETS\021002_CD.DWG
LAYOUT NAME - cd-4
PLOT DATE : 9/24/2026 2:27 PM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

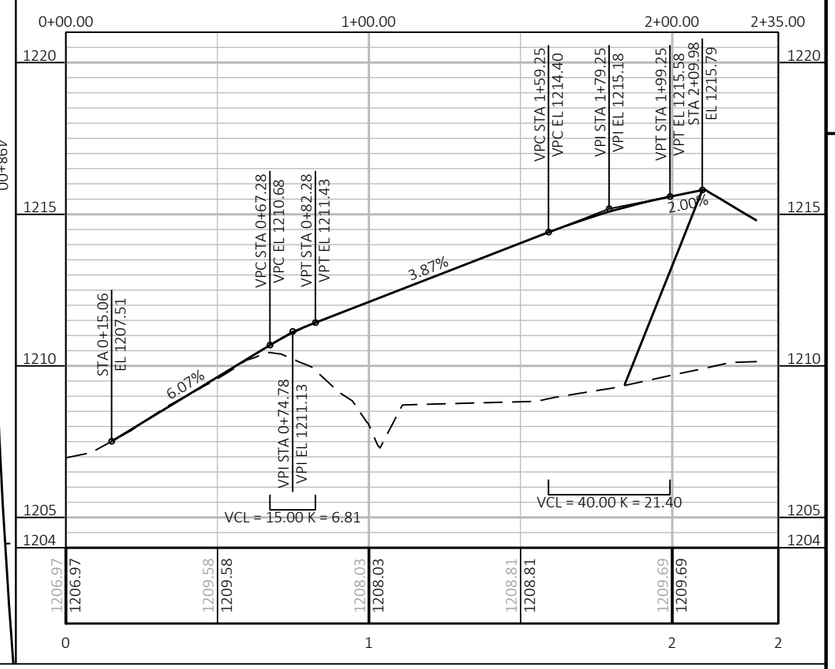
2

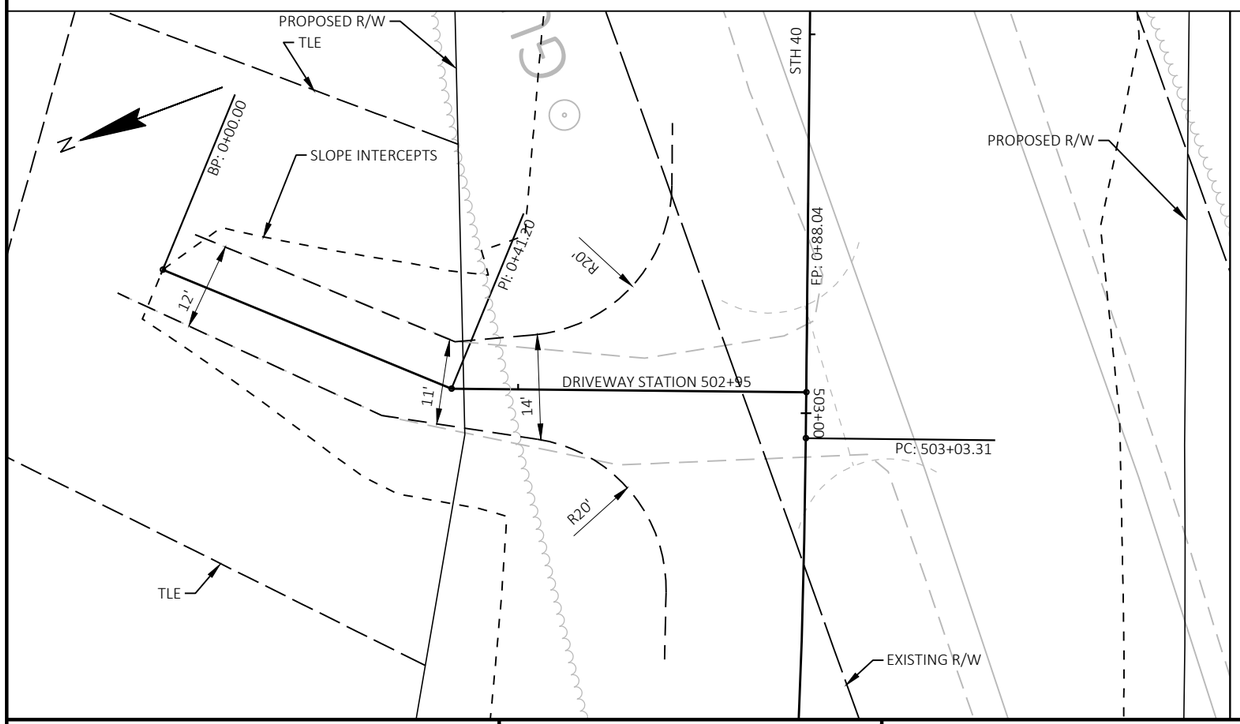
RUNOFF COEFFICIENT TABLE

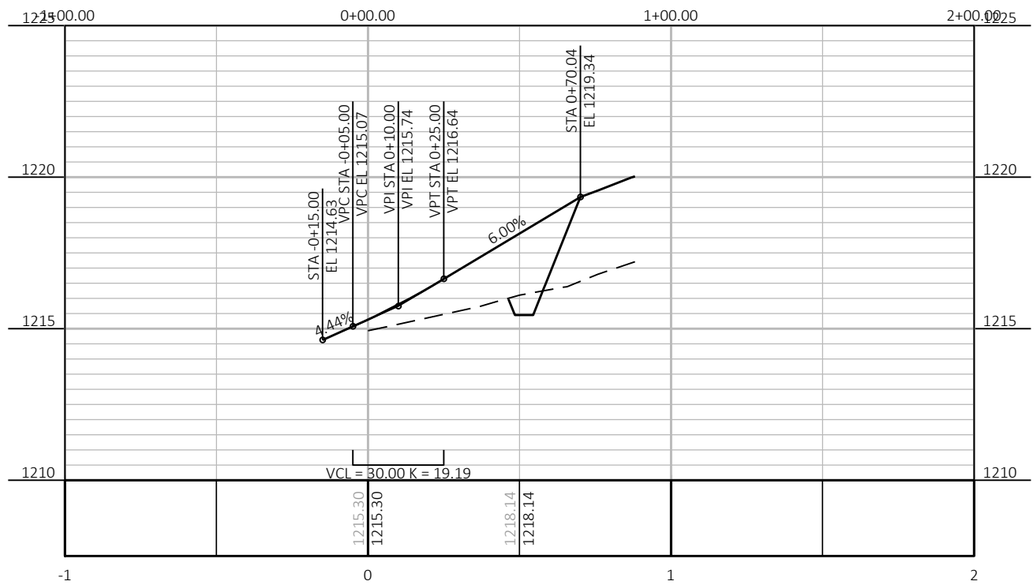
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33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

TOTAL PROJECT AREA = ____11.8__ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = __11.8___ACRES

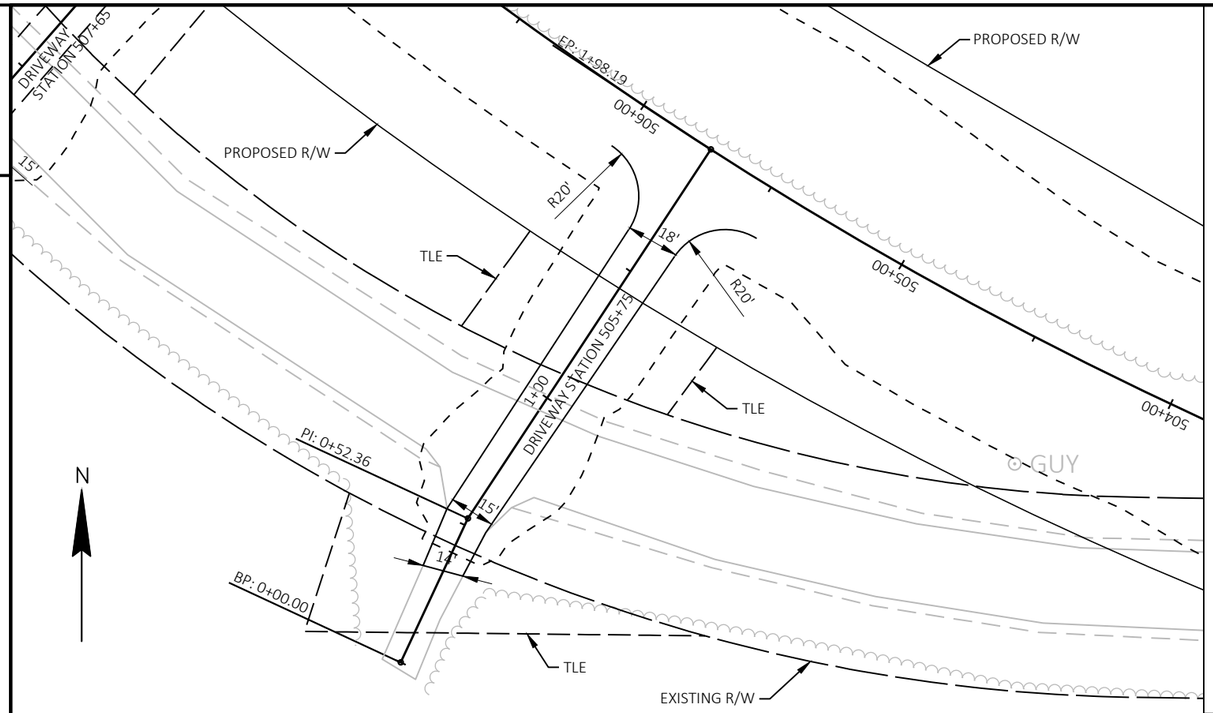


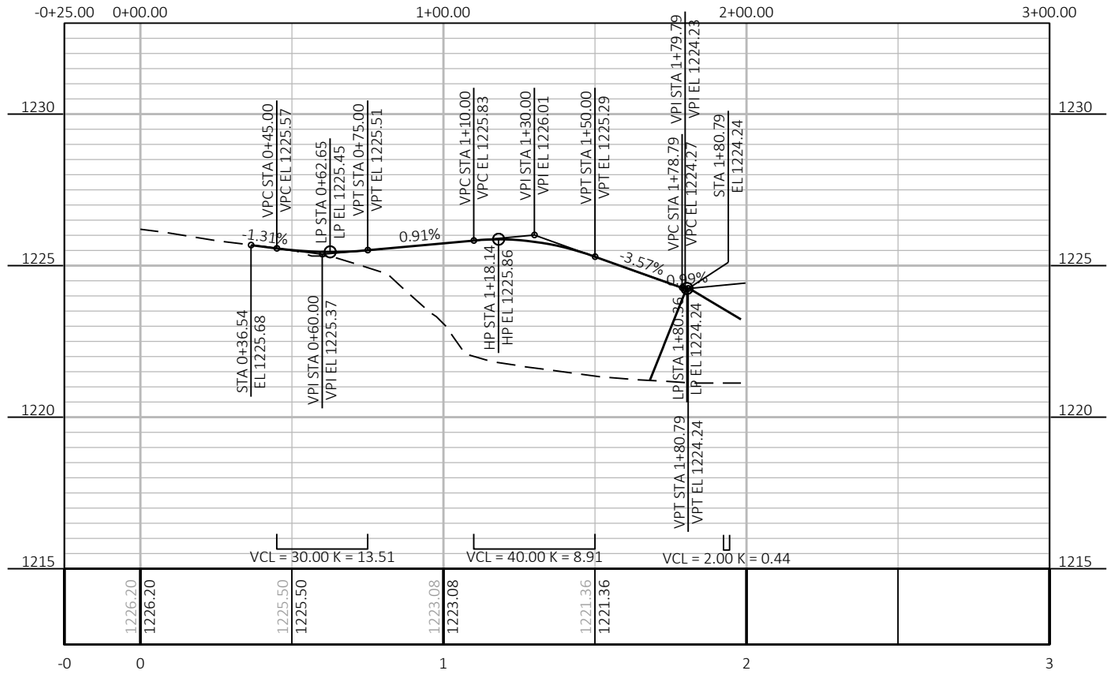


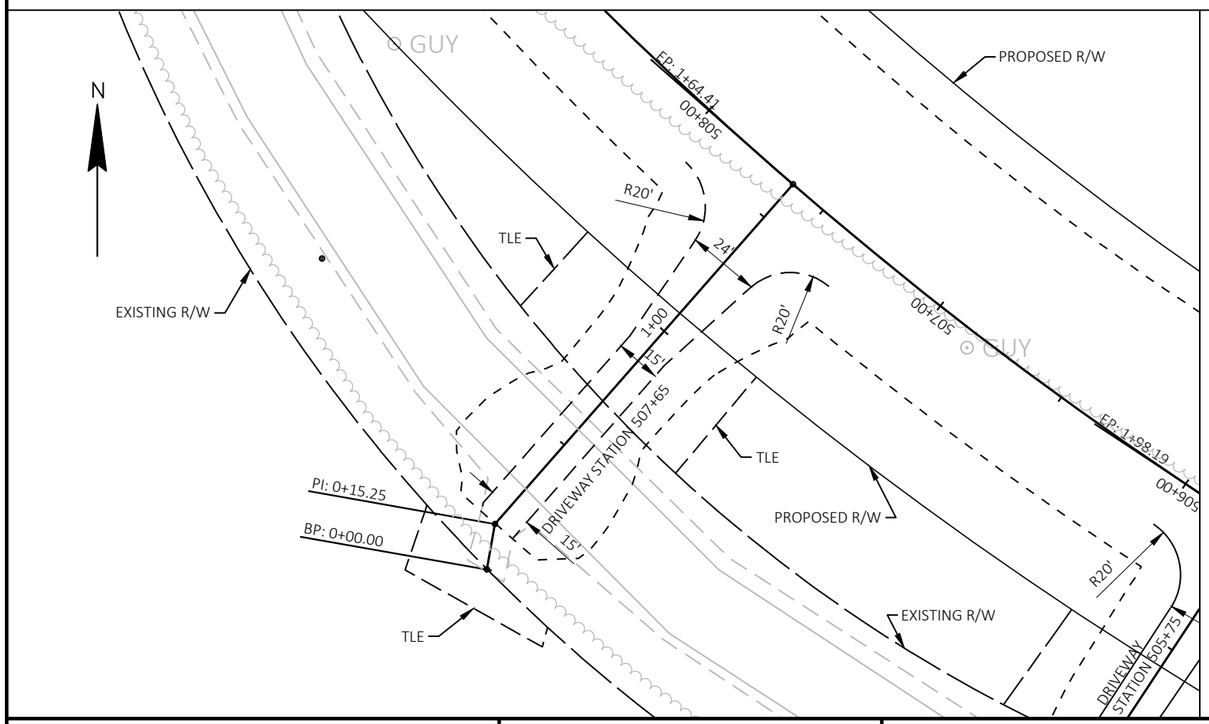


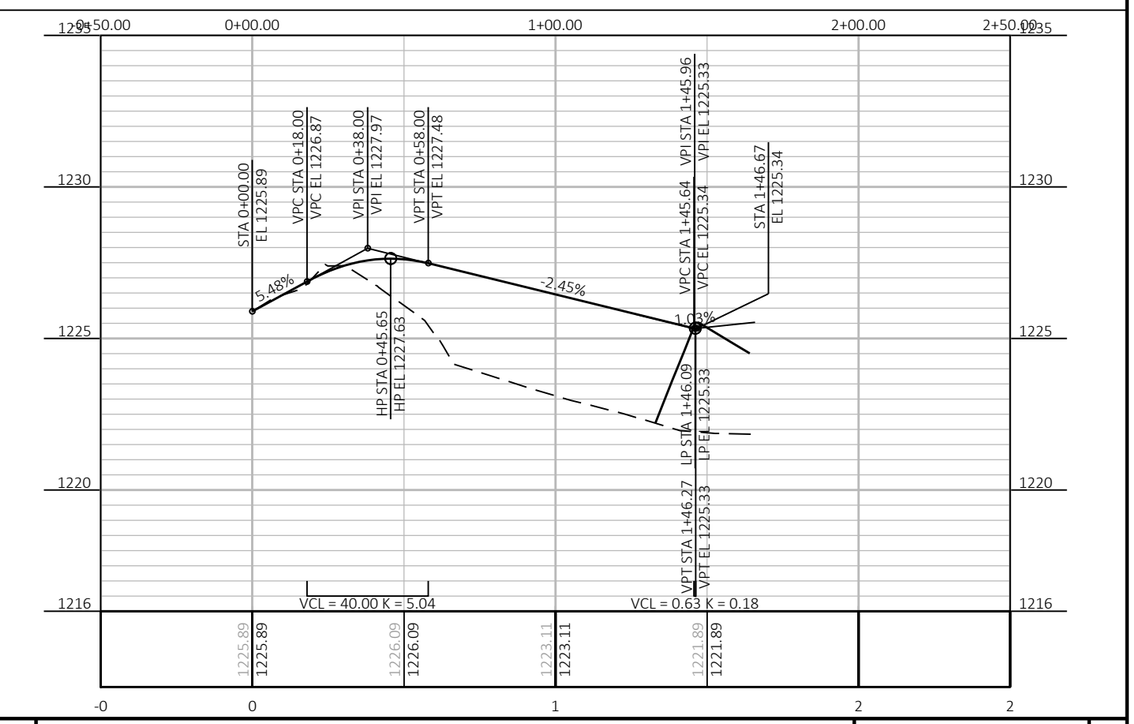


PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CONSTRUCTION DETAILS	SHEET 15	E



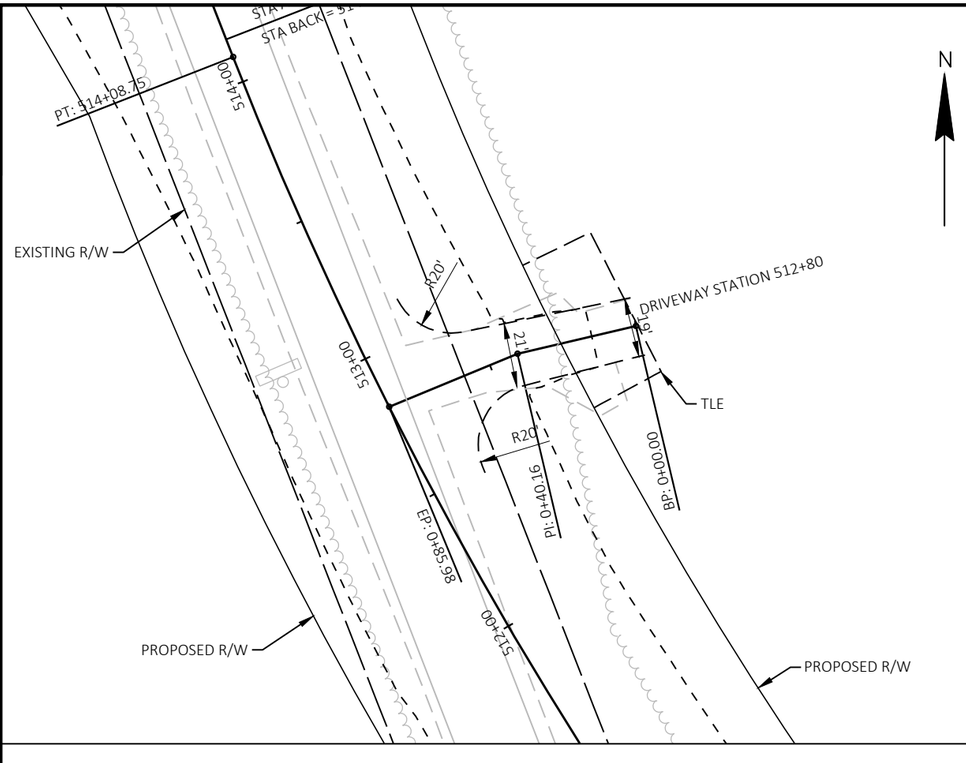


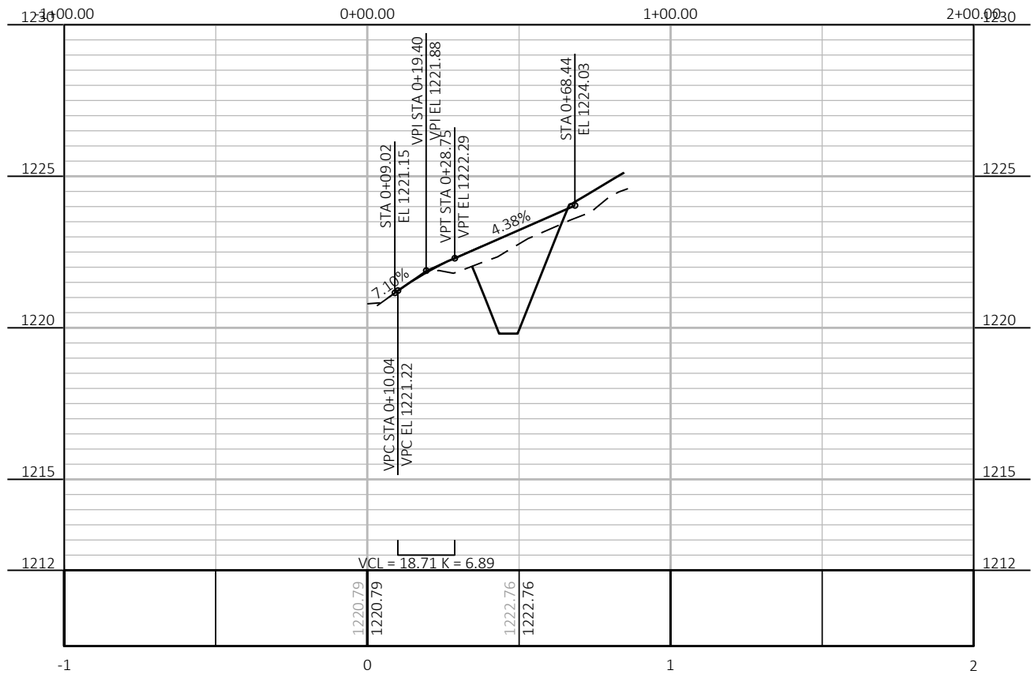




PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CONSTRUCTION DETAILS	SHEET 16	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\021003_CD.DWG
LAYOUT NAME - DWY-2
PLOT DATE : 9/24/2026 2:28 PM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

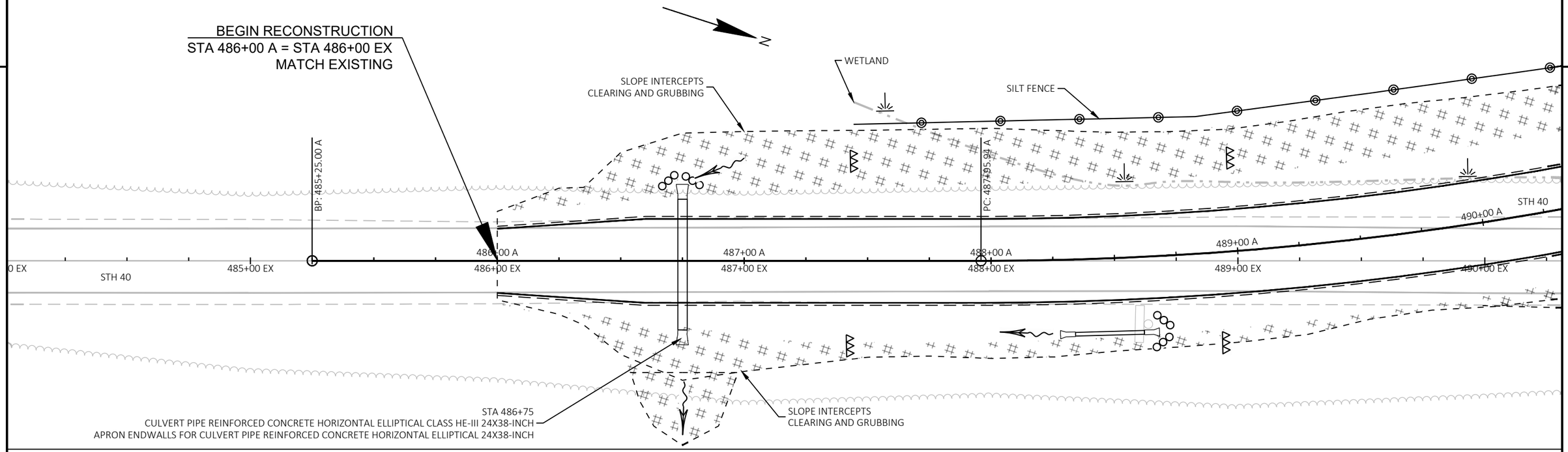




2

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CONSTRUCTION DETAILS	SHEET 17	E

2

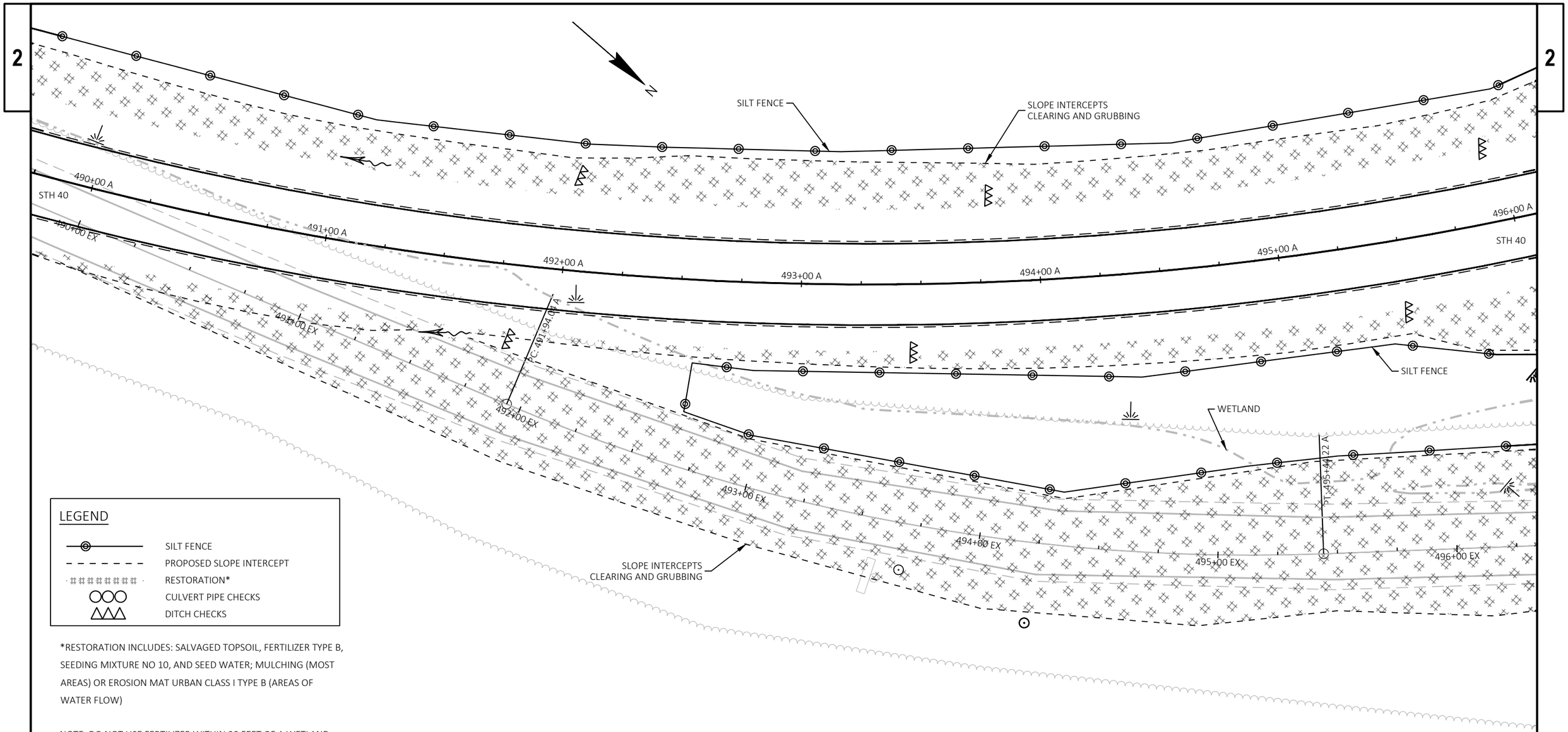


LEGEND

- SILT FENCE
- PROPOSED SLOPE INTERCEPT
- RESTORATION*
- CULVERT PIPE CHECKS
- DITCH CHECKS

*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND



*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	EROSION CONTROL	SHEET 19	E

2

WETLAND

STA 496+50 A
70' CULVERT PIPE CLASS III-A NON-METAL 30-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 30-INCH

SILT FENCE

SLOPE INTERCEPTS
CLEARING AND GRUBBING

PT: 499+77.62 A

496+00 A

STH 40

497+00 A

498+00 A

499+00 A

500+00 A

501+00 A

502+00 A

STH 40

503+00 EX

502+00 EX

501+00 EX

500+00 EX

499+00 EX

498+00 EX

497+00 EX

SILT FENCE

SILT FENCE

WETLAND

PT: 500+28.84 A

STA 498+15 A
64' CULVERT PIPE CLASS III-A NON-METAL 18-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 18-INCH

PC: 496+84.84 A

497+00 EX

SLOPE INTERCEPTS
CLEARING AND GRUBBING

N

LEGEND

- SILT FENCE
- PROPOSED SLOPE INTERCEPT
- RESTORATION*
- CULVERT PIPE CHECKS
- DITCH CHECKS

*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	EROSION CONTROL	SHEET 20	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\022001_EC.DWG
LAYOUT NAME - 03
PLOT DATE : 6/17/2026 4:42 PM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

WETLAND
SILT FENCE
SILT FENCE
WETLAND
SLOPE INTERCEPTS
PC: 504+98.48 A
505+00 EX
506+00 EX
507+00 EX
508+00 EX
509+00 EX
PC: 503+03.71 A
STA 505+65 A
REMOVING SMALL PIPE CULVERTS
42' CULVERT PIPE CLASS III-A NON-METAL 24-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 24-INCH
STA 507+70 A
REMOVING SMALL PIPE CULVERTS
56' CULVERT PIPE CLASS III-A NON-METAL 18-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 18-INCH
504+00 EX
503+00 A
504+00 A
505+00 A
506+00 A
507+00 A
502+00 A
508+00 A
STH 40
503+00 EX
STH 40
STA 502+95 A
REMOVING SMALL PIPE CULVERTS
28' CULVERT PIPE CLASS III-A NON-METAL 24-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 24-INCH
SLOPE INTERCEPTS
CLEARING AND GRUBBING
N

LEGEND

- SILT FENCE
- PROPOSED SLOPE INTERCEPT
- RESTORATION*
- CULVERT PIPE CHECKS
- DITCH CHECKS

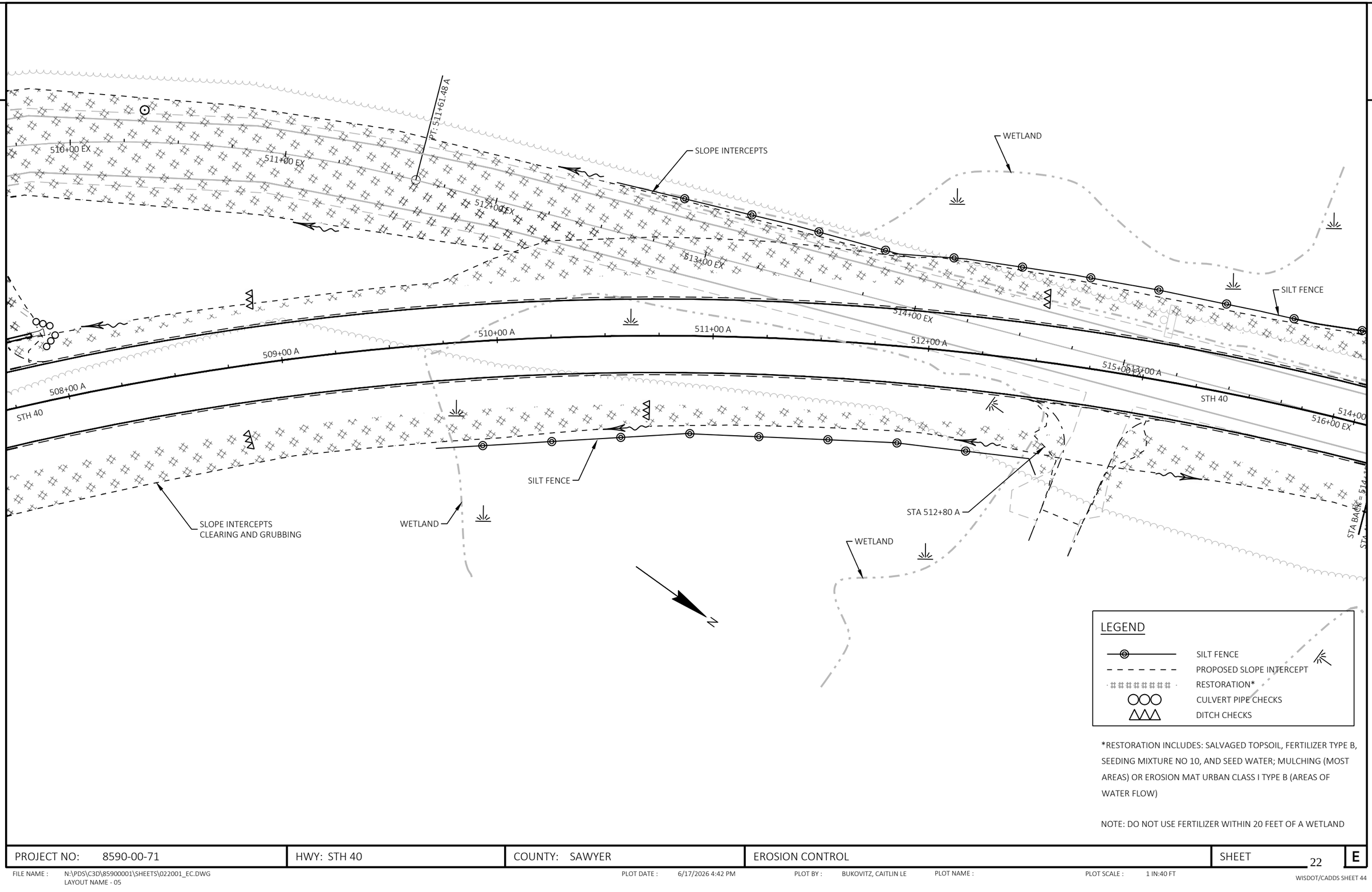
*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	EROSION CONTROL	SHEET 21	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\022001_EC.DWG
LAYOUT NAME - 04
PLOT DATE : 6/17/2026 4:42 PM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND

2

2

SILT FENCE

STA 517+37 A
REMOVING SMALL PIPE CULVERTS
52' CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH

SLOPE INTERCEPTS
CLEARING AND GRUBBING

PT: 514+08.75 A

514+00 A
516+00 EX
STH 40

517+00 A
517+00 EX

518+00 A
518+00 EX

519+00 A
519+00 EX

520+00 A
520+00 EX

521+00 A
521+00 EX

STH 40

STA BACK = 514+15.00 A
STA AHEAD = 516+25.00 A

SILT FENCE

SLOPE INTERCEPTS
CLEARING AND GRUBBING

LEGEND

- SILT FENCE
- PROPOSED SLOPE INTERCEPT
- RESTORATION*
- CULVERT PIPE CHECKS
- DITCH CHECKS

*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND

N

SILT FENCE
INSTALLING AND MAINTAINING CLIMBING TURTLE EXCLUSION FENCE (WITHIN 200 FT OF TRIBUTARY WATERS)
SEE TURTLE TURNAROUND CONSTRUCTION DETAIL

N

SLOPE INTERCEPTS
CLEARING AND GRUBBING

PC: 525+53.96 A

522+00 A
522+00 EX

521+00 A
521+00 EX

STH 40

523+00 A
523+00 EX

524+00 A
524+00 EX

525+00 A
525+00 EX

526+00 A
526+00 EX

527+00 A
527+00 EX

STH 40

SLOPE INTERCEPTS
CLEARING AND GRUBBING

STA 525+31 A & STA 525+42 A
2 X REMOVING SMALL PIPE CULVERTS
2 X 64' CULVERT PIPE REINFORCED CONCRETE HOIZONTAL ELLIPTICAL CLASS HE-III 48X76-INCH
CONCRETE MASONRY ENDWALLS

SILT FENCE
CLIMBING TURTLE EXCLUSION FENCE (WITHIN 200 FT OF TRIBUTARY WATERS)
SEE TURTLE TURNAROUND CONSTRUCTION DETAIL

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	EROSION CONTROL	SHEET 23	E

2

2

LEGEND

- SILT FENCE
- PROPOSED SLOPE INTERCEPT
- RESTORATION*
- CULVERT PIPE CHECKS
- DITCH CHECKS

*RESTORATION INCLUDES: SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO 10, AND SEED WATER; MULCHING (MOST AREAS) OR EROSION MAT URBAN CLASS I TYPE B (AREAS OF WATER FLOW)

NOTE: DO NOT USE FERTILIZER WITHIN 20 FEET OF A WETLAND

N

527+00 A
527+00 EX
PT: 527+28.37 A
STH 40
SILT FENCE
528+00 A
528+00 EX
PC: 528+82.98 A
529+00 A
529+00 EX
SILT FENCE
SLOPE INTERCEPTS
CLEARING AND GRUBBING
SLOPE INTERCEPTS
CLEARING AND GRUBBING
530+00 A
530+00 EX
PT: 531+01.80 A
531+00 A
531+00 EX
532+00 A
532+00 EX
533+00 A
533+00 EX
STH 40

END PROJECT
STA 533+60
MATCH EXISTING

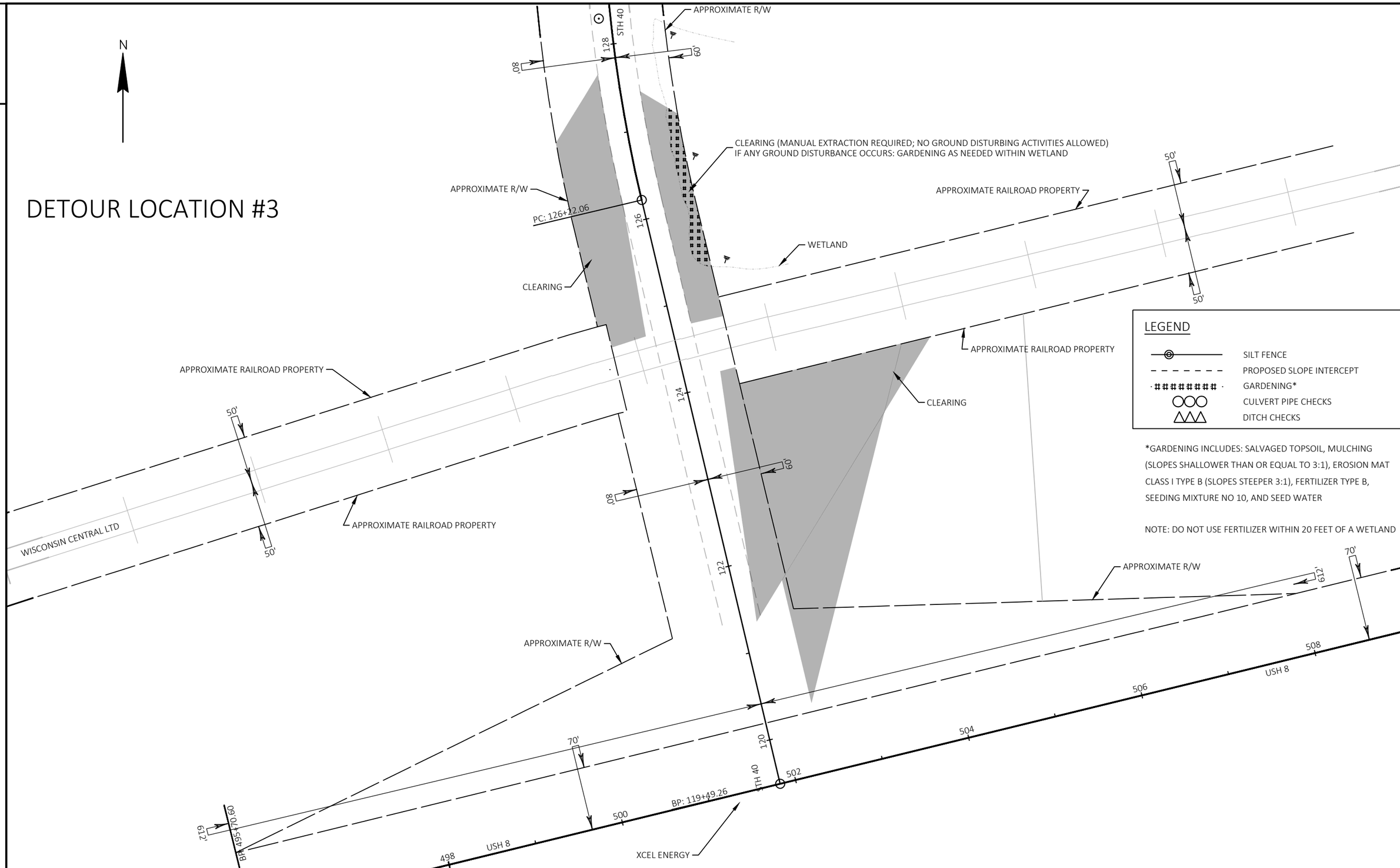
N

533+00 A
533+00 EX
STH 40
534+00 A
534+00 EX
535+00 A
535+00 EX
6+00 A
EP: 6+00.00 A
536+00 A
536+00 EX
537+00 A
537+00 EX
EP: 537+25.00 A
537+25 A
538+00 EX
STH 40
539+0
SLOPE INTERCEPTS

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	EROSION CONTROL	SHEET 24	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\022001_EC.DWG
LAYOUT NAME - 07

PLOT DATE : 6/17/2026 4:42 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR PLAN	SHEET 25	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\022002_EC.DWG
LAYOUT NAME - 03_RR
PLOT DATE : 6/17/2026 4:42 PM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

EXISTING STATION 482+05
NO PASSING ZONE
MOVING SIGNS TYPE II
MOVING SMALL SIGN SUPPORTS

BEGIN RECONSTRUCTION
STA 486+00 A = STA 486+00 EX

BP: 485+25.00

PC: 487+95.94

486+00
487+00
488+00
489+00
490+00
491+00
492+00
493+00
494+00
495+00
496+00
497+00
498+00
499+00

MOVING SIGNS TYPE II (W4-1L)
REMOVING SIGNS TYPE II (W13-1)
MOVING SMALL SIGN SUPPORTS

35 MPH
REMOVE

MOVING SIGNS TYPE II
MOVING SMALL SIGN SUPPORTS

REMOVE
REMOVING SIGNS TYPE II X 7
REMOVING SMALL SIGN SUPPORTS X 12

N

2

REMOVING SIGNS TYPE II
REMOVING SMALL SIGN SUPPORTS

REMOVE

REMOVING SIGNS TYPE II
REMOVING SMALL SIGN SUPPORTS

REMOVE

PT: 499+77.62

PC: 503+03.31

499+00
500+00
501+00
502+00
503+00
504+00
505+00
506+00
507+00
508+00
509+00
510+00
511+00
512+00
513+00
514+00

514+15.00
516+25.00

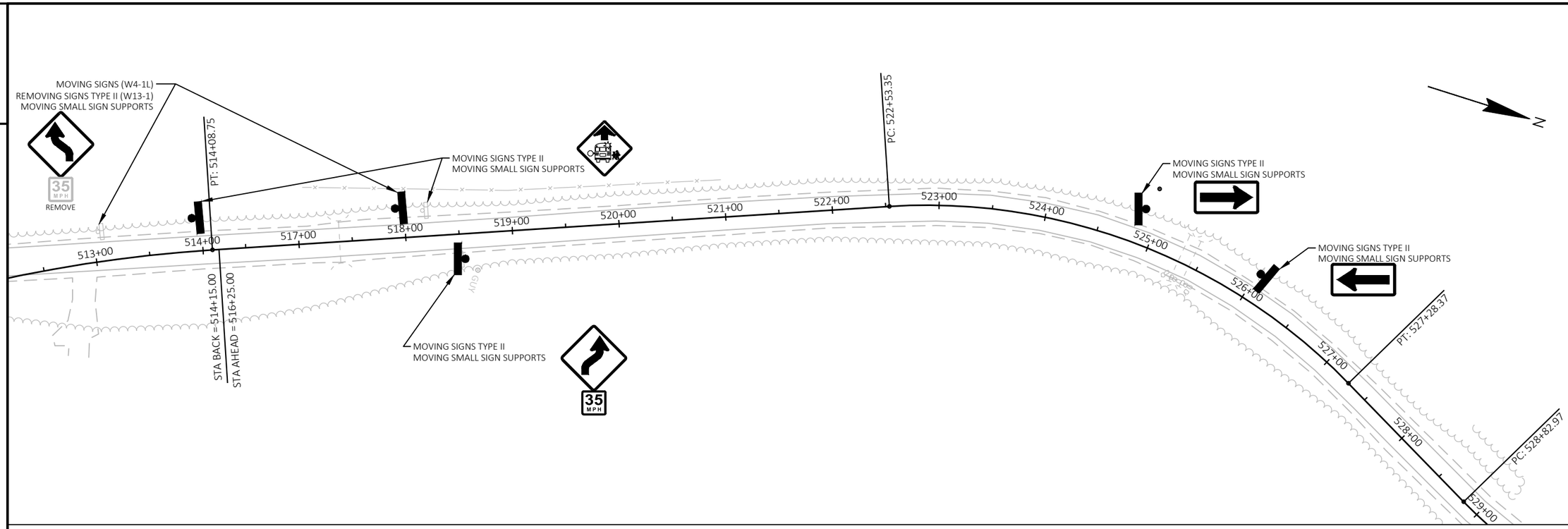
N

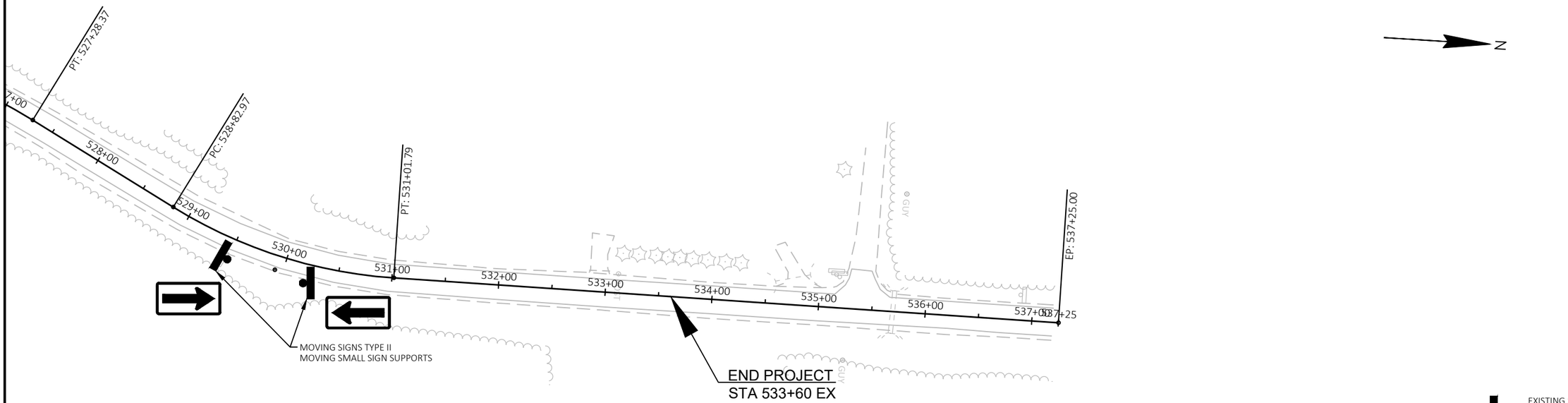
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PERMANENT SIGNING	SHEET 26	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\023201_PS.DWG
LAYOUT NAME - ps-01

PLOT DATE : 7/29/2026 1:57 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2





PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PERMANENT SIGNING	SHEET 27	E

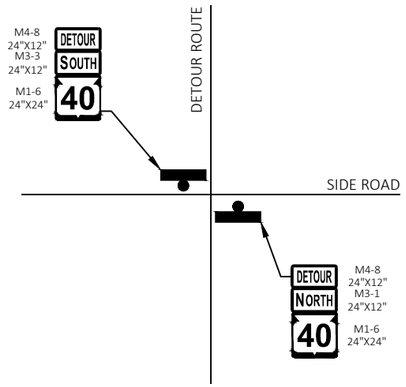
FILE NAME : N:\PDS\C3D\85900001\SHEETS\023201_PS.DWG
LAYOUT NAME - ps-02

PLOT DATE : 7/29/2026 1:57 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

REASSURANCES TO BE PLACED AT THE FOLLOWING INTERSECTIONS:

- STH 40 & MANSKY RD/MORROW RD
- STH 40 & CTH H (NORTH INTERSECTION)
- STH 27 & CTH A
- STH 27 & CTH J
- STH 27 & CTH D



REASSURANCES TO BE PLACED EVERY FOUR MILES ALONG ENTIRE ROUTE

ALL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED

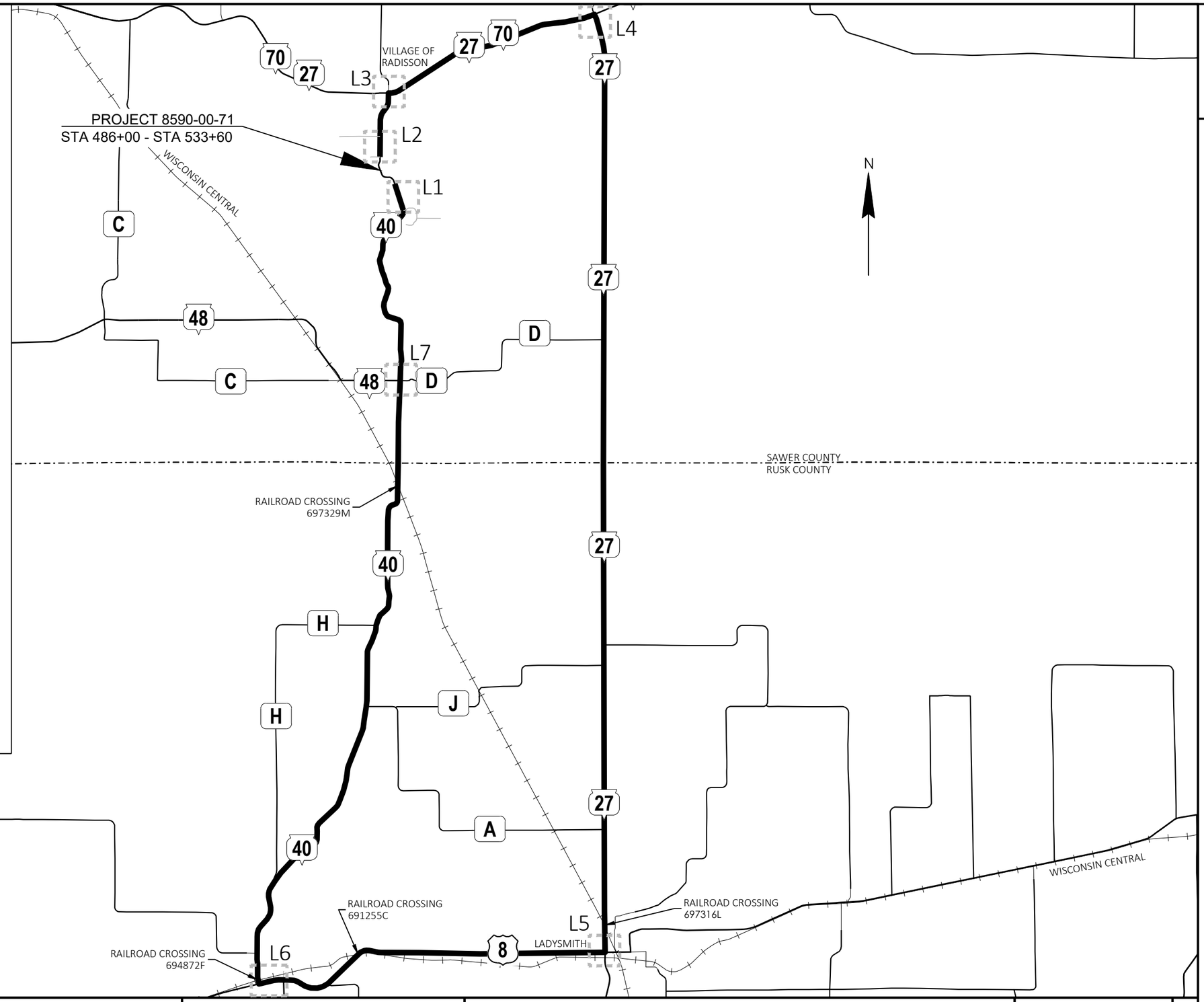
"WO" OR "MO" IS THE SAME AS "W" OR "M" EXCEPT THE BACKGROUND IS ORANGE

NOTICE: PROJECT 8180-00-81 ON STH 27 WILL BE DETOURED DURING THE SAME CONSTRUCTION SEASON. THE COMMON STRETCH OF DETOUR ROUTE IS ALONG USH 8 BETWEEN BRUCE AND LADYSMITH. THE DETOUR FOR 8180-00-81 WILL BE IN PLACE FOR APPROXIMATELY 2-WEEKS. COORDINATION WILL BE REQUIRED IF THE PROJECTS ARE DETOURED AT THE SAME TIME.

HWY 40
ROAD WORK
BEGINS XXX-XX

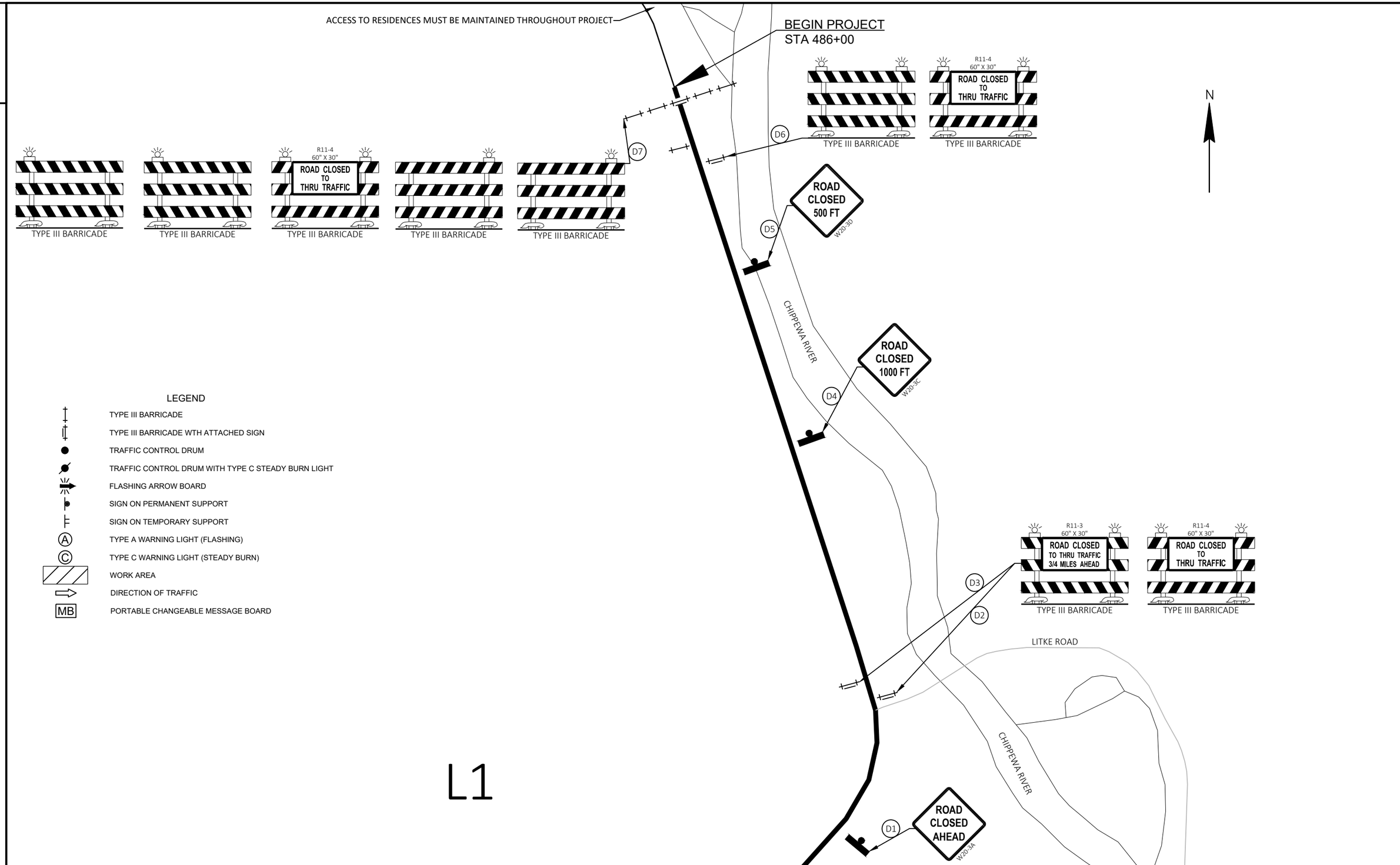
G20-57
96"X48"

PLACE G20-57 SIGNS AT EITHER END OF PROJECT 7 CALENDAR DAYS PRIOR TO CONSTRUCTION BEGIN DATE. INSERT DATE INTO SPACE DENOTED BY XXX-XX.



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR OVERVIEW	SHEET 28	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027001_DT.DWG
LAYOUT NAME - 01_DtOV
PLOT DATE : 9/24/2026 9:18 AM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN: 2.5 MI
WISDOT/CADDS SHEET 42



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L1	SHEET 29	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027001_DT.DWG
LAYOUT NAME - 02_Dt
PLOT DATE : 9/24/2026 9:18 AM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

N

L2

W CEMETERY RD

D14 ROAD CLOSED AHEAD W20-3A

D13

D12

R11-3 60" X 30" ROAD CLOSED TO THRU TRAFFIC 1/2 MILES AHEAD

TYPE III BARRICADE

R11-3 60" X 30" ROAD CLOSED TO THRU TRAFFIC 1/2 MILES AHEAD

TYPE III BARRICADE

D11 ROAD CLOSED 1000 FT W20-3C

D10 ROAD CLOSED 500 FT W20-3D

COUDERAY RIVER

UNNAMED COUDERAY RIVER TRIBUTARY

D9

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

TYPE III BARRICADE

ELM CREEK RD

D8

TYPE III BARRICADE

TYPE III BARRICADE

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

TYPE III BARRICADE

END PROJECT
STA 533+60

ACCESS TO RESIDENCES MUST BE MAINTAINED THROUGHOUT PROJECT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

2

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L2	SHEET 30	E

2

N

CTH H

M3-3 24"X12"
M1-6 24"X24"
SOUTH 40
DETOUR AHEAD
W20-2A
D24

M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO5-1L 21"X21"
DETOUR SOUTH 40
D25

M4-8 24"X12"
M3-3 24"X12"
DETOUR SOUTH
27 70 40
MO6-1 21"X21"
D26

END DETOUR NORTH 40
M4-8A 24"X18"
M3-1 24"X12"
M1-6 24"X24"
COUNTY H
D23

TRAFFIC CONTROL COVERING SIGNS TYPE II
SOUTH NORTH WEST
40 27 70

TRAFFIC CONTROL COVERING SIGNS TYPE II
Hayward
Spooner
Bruce

STH 70

DETOUR SOUTH 40
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
SOUTH EAST
27 70
D22

STH 70

M3-3 24"X12"
M1-6 24"X24"
SOUTH 40
DETOUR AHEAD
W20-2A
D15

M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR SOUTH
JCT JCT
40 COUNTY H 40
D16

D17

D18

COUNTY H

D21

NORTH WEST EAST
27 70 70
DETOUR SOUTH 40
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"

M4-8 24"X12"
DETOUR
SOUTH EAST SOUTH
27 70 40
MO6-1 21"X21"
D19

COUDERAY RIVER

Fifield
Ladysmith
Bruce
A4-12
9.5"X9.5"

Hayward
Spooner
Fifield
D20

JCT JCT
27 70
DETOUR SOUTH 40
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO5-1R 21"X21"

END 40

SOUTH 40

R11-3 60" X 30"
ROAD CLOSED TO THRU TRAFFIC 1 3/4 MILES AHEAD
TYPE III BARRICADE

M4-9L 30"X24"
DETOUR
TYPE III BARRICADE

BRUCE 29

TRAFFIC CONTROL COVERING SIGNS TYPE II

STH 40

L3

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L3	SHEET 31	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027001_DT.DWG
LAYOUT NAME - 04_Dt

PLOT DATE : 9/24/2026 9:18 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:500 FT

L4

N

M3-3 24"X12"
M1-6 24"X24"
SOUTH 40
DETOUR AHEAD
W20-2A
D35

CTH G

M3-3 24"X12"
M1-6 24"X24"
SOUTH 40
DETOUR AHEAD
W20-2A
D32

STH 70

JCT JCT 27 COUNTY G 40
DETOUR SOUTH
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO5-1L 21"X21"
D33

CHIPPEWA RIVER

SOUTH NORTH WEST 27 27 70 COUNTY G 40
DETOUR SOUTH
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
D34

27 70 40
DETOUR SOUTH
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
D36

NORTH WEST 27 70 40
DETOUR NORTH
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
D37

CHIPPEWA RIVER

WEST NORTH EAST 70 27 70 40
DETOUR NORTH
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
D31

D28

D27

NORTH EAST SOUTH COUNTY G 27 70 40
DETOUR SOUTH
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO5-1R 21"X21"

NORTH EAST SOUTH COUNTY G 70 27 40
DETOUR SOUTH
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"

Hayward
Spooner
Fifield

D29

SOUTH 27 Ladysmith 23 40
DETOUR SOUTH
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"

STH 70

STH 27

WEST NORTH EAST 70 27 70 40
DETOUR NORTH
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO5-1L 21"X21"
D30

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L4	SHEET 32	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027001_DT.DWG
LAYOUT NAME - 05_Dt
PLOT DATE : 9/24/2026 9:18 AM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:500 FT

2

N

L5

STH 27

WISCONSIN CENTRAL

USH 8

FLAMBEAU RIVER

UNNAMED

D47
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO5-1R 21"X21"
DETOUR SOUTH 40 JCT 8

Cornell
Prentice
Cameron

D48
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR SOUTH 40

D49
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
DETOUR SOUTH 40 WEST 8

WEST 8 EAST 8

D46
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
DETOUR NORTH 40 NORTH 27

SOUTH 27 NORTH 27

D45
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40

D44
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO5-1R 21"X21"
DETOUR NORTH 40

Cameron
Cornell
Hayward

D43
M3-1 24"X12"
M1-6 24"X24"
NORTH 40
DETOUR AHEAD W20-2A
JCT 27

D39
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40

NORTH 27 SOUTH 27

SOUTH 27

D42
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40

WEST 8 EAST 8

Hayward
Cameron
Prentice

D38
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO4-22L 24"X21"
DETOUR NORTH 40 SECOND LEFT
NORTH 27 EAST 8 SOUTH 27
SECOND LEFT
SECOND RIGHT

Prentice
Ojibwa
Cornell

D41
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40

NORTH 40
M3-1 24"X12"
M1-6 24"X24"

D40
JCT 8
DETOUR AHEAD W20-2A

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L5	SHEET 33	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027001_DT.DWG
LAYOUT NAME - 06_Dt

PLOT DATE : 9/24/2026 9:18 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

STH 40

WISCONSIN CENTRAL

USH 8

DETOUR NORTH 40 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24", MO5-1L 21"X21" — D63

Bloomer / Ladysmith / Cameron

DETOUR NORTH 40 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24", MO6-1 21"X21" — D64

WEST 8

Radisson 24

TRAFFIC CONTROL COVERING SIGNS TYPE II

Cameron / Radisson

TRAFFIC CONTROL COVERING SIGNS TYPE II

WEST NORTH 8 40

TRAFFIC CONTROL COVERING SIGNS TYPE II

NORTH 40 — D65

TRAFFIC CONTROL COVERING SIGNS TYPE II

NOTE 1: LOCATION A

DETOUR NORTH 40 — M4-8 24"X12", MO6-1 21"X21" — D53

M4-8 24"X12" DETOUR NORTH SOUTH 40 40 — MO6-1 21"X21" — D51

Ladysmith / Bloomer / Radisson — A4-12 9.5"X9.5" — D52

M3-1 24"X12" NORTH 40, M1-6 24"X24" — D50

JCT 40 — DETOUR AHEAD — W20-2A

EAST NORTH 8 40 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24" — D54

END DETOUR SOUTH 40 — M4-8A 24"X18", M3-3 24"X12", M1-6 24"X24" — D55

NOTE 1: LOCATION B — D62

WISCONSIN CENTRAL

TRAFFIC CONTROL COVERING SIGNS TYPE II

DETOUR SOUTH BUSINESS 40 40 — M4-8 24"X12" — D61

Cameron / Radisson / Bloomer

DETOUR SOUTH WEST BUSINESS 40 8 40 — M4-8 24"X12" — D60

JCT 40

USH 8

D59 — DETOUR WEST NORTH EAST 8 40 8 — M4-8 24"X12", MO6-1 21"X21"

D58 — Cameron / Radisson / Ladysmith — A4-12 9.5"X9.5" EACH — TRAFFIC CONTROL COVERING SIGNS TYPE II

D57 — DETOUR WEST NORTH EAST 8 40 8 — M4-8 24"X12", MO5-1R 21"X21"

D56 — M3-1 24"X12" NORTH 40, M1-6 24"X24" — JCT 8 — DETOUR AHEAD — W20-2A

STH 40

N

NOTE 1:
LOCATION A: 21 1/2 MILES
LOCATION B: 22 MILES

R11-3 60" X 30" — ROAD CLOSED TO THRU TRAFFIC 22 MILES AHEAD — TYPE III BARRICADE

M4-9R 30"X24" — DETOUR — TYPE III BARRICADE

L6

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L6	SHEET 34	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027001_DT.DWG
LAYOUT NAME - 07_Dt

PLOT DATE : 9/24/2026 9:18 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

L7

N

STH 40

JCT JCT
48 COUNTY D

M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40
EAST SOUTH WEST
COUNTY D 40 48
D74

TRAFFIC CONTROL
COVERING SIGNS TYPE II

NORTH 40

Bruce
Exeland
Birchwood

M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40
SOUTH WEST
COUNTY D 40 48
D75

WEST 48

M3-1 24"X12"
M1-6 24"X24"
NORTH 40
DETOUR AHEAD
W20-2A
D71

M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
DETOUR NORTH 40
D73

M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO5-1L 21"X21"
DETOUR NORTH 40
D72

STH 48

WEST COUNTY ROAD D

M3-1 24"X12"
M1-6 24"X24"
NORTH 40
JCT JCT END
40 COUNTY D 48
DETOUR AHEAD
W20-2A

M4-8 24"X12"
DETOUR
NORTH EAST SOUTH
40 COUNTY D 48
MO5-1R 21"X21"
D67

D66

D68

A4-12
9.5"X9.5"

Radisson
Bruce

M4-8 24"X12"
DETOUR
NORTH SOUTH
40 COUNTY D 48
MO6-1 21"X21"
D69

D70

DETOUR NORTH 40
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"

TRAFFIC CONTROL
COVERING SIGNS TYPE II

WEST NORTH
48 40 COUNTY D

Radisson
Exeland
Birchwood

TRAFFIC CONTROL
COVERING SIGNS TYPE II

TRAFFIC CONTROL
COVERING SIGNS TYPE II

WEST NORTH
48 40 COUNTY D

JCT JCT
48 COUNTY D

STH 40

2

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR - L7	SHEET 35	E

2

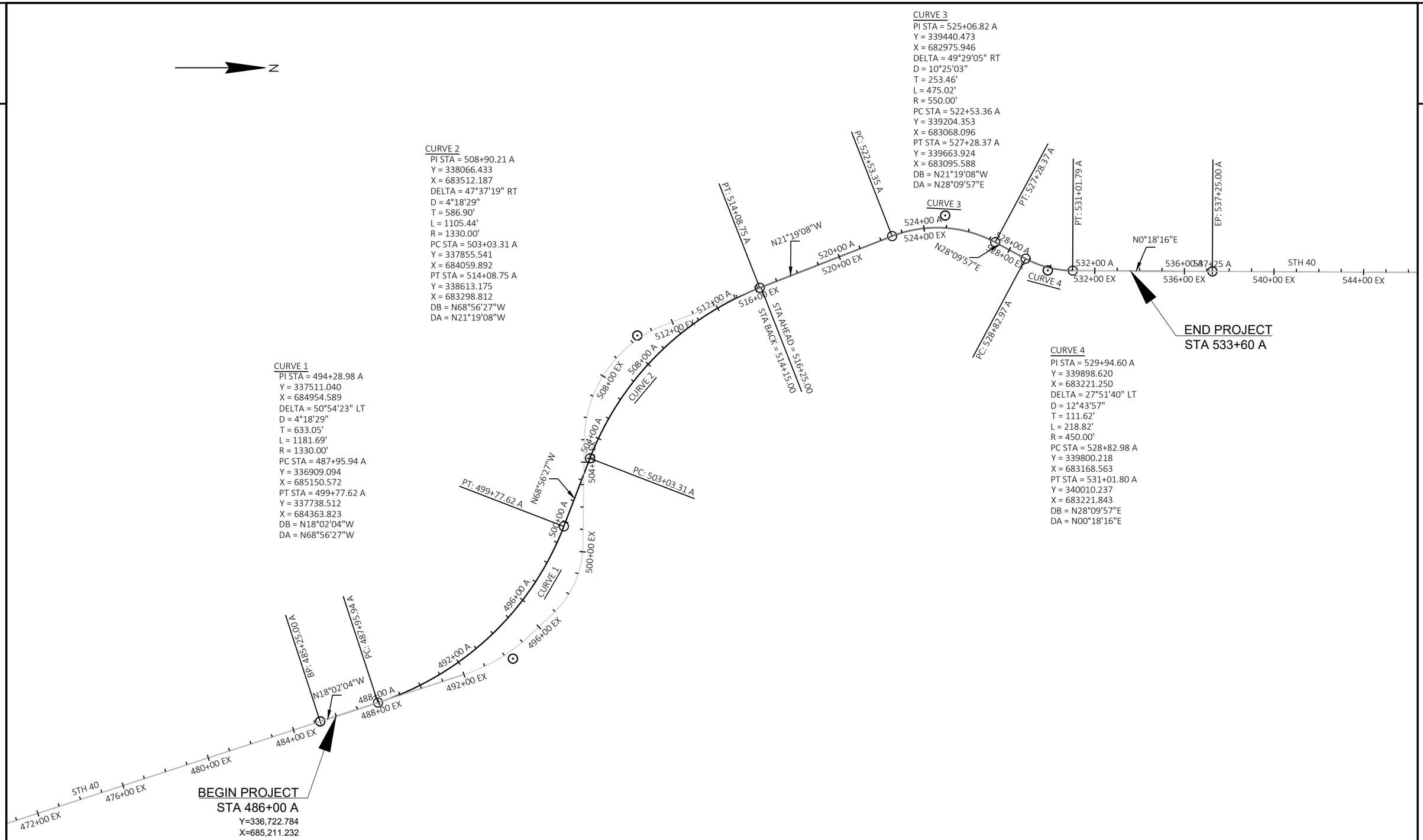
N

CURVE 1
PI STA = 494+28.98 A
Y = 337511.040
X = 684954.589
DELTA = 50°54'23" LT
D = 4°18'29"
T = 633.05'
L = 1181.69'
R = 1330.00'
PC STA = 487+95.94 A
Y = 336909.094
X = 685150.572
PT STA = 499+77.62 A
Y = 337738.512
X = 684363.823
DB = N18°02'04"W
DA = N68°56'27"W

CURVE 2
PI STA = 508+90.21 A
Y = 338066.433
X = 683512.187
DELTA = 47°37'19" RT
D = 4°18'29"
T = 586.90'
L = 1105.44'
R = 1330.00'
PC STA = 503+03.31 A
Y = 337855.541
X = 684059.892
PT STA = 514+08.75 A
Y = 338613.175
X = 683298.812
DB = N68°56'27"W
DA = N21°19'08"W

CURVE 3
PI STA = 525+06.82 A
Y = 339440.473
X = 682975.946
DELTA = 49°29'05" RT
D = 10°25'03"
T = 253.46'
L = 475.02'
R = 550.00'
PC STA = 522+53.36 A
Y = 339204.353
X = 683068.096
PT STA = 527+28.37 A
Y = 339663.924
X = 683095.588
DB = N21°19'08"W
DA = N28°09'57"E

CURVE 4
PI STA = 529+94.60 A
Y = 339898.620
X = 683221.250
DELTA = 27°51'40" LT
D = 12°43'57"
T = 111.62'
L = 218.82'
R = 450.00'
PC STA = 528+82.98 A
Y = 339800.218
X = 683168.563
PT STA = 531+01.80 A
Y = 340010.237
X = 683221.843
DB = N28°09'57"E
DA = N00°18'16"E



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	ALIGNMENT DETAILS	SHEET 36	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\027201_AD.DWG
LAYOUT NAME - AD

PLOT DATE : 6/16/2026 1:40 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:400 FT

Estimate Of Quantities

8590-00-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	73.000	73.000
0004	201.0205	Grubbing	STA	44.000	44.000
0006	203.0100	Removing Small Pipe Culverts	EACH	7.000	7.000
0008	204.0115	Removing Asphaltic Surface Butt Joints	SY	58.000	58.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	470.000	470.000
0012	205.0100	Excavation Common	CY	14,615.000	14,615.000
0014	208.0100	Borrow	CY	5,325.000	5,325.000
0016	208.1100	Select Borrow	CY	9,940.000	9,940.000
0018	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 8590-00-71	EACH	1.000	1.000
0020	213.0100	Finishing Roadway (project) 01. 8590-00-71	EACH	1.000	1.000
0022	214.0100	Obliterating Old Road	STA	17.000	17.000
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,300.000	1,300.000
0026	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,800.000	14,800.000
0028	305.0500	Shaping Shoulders	STA	10.000	10.000
0030	450.4000	HMA Cold Weather Paving	TON	1,000.000	1,000.000
0032	455.0605	Tack Coat	GAL	2,030.000	2,030.000
0034	460.2000	Incentive Density HMA Pavement	DOL	3,310.000	3,310.000
0036	460.5244	HMA Pavement 4 LT 58-34 S	TON	5,150.000	5,150.000
0038	460.9000.S	Material Transfer Vehicle	EACH	1.000	1.000
0040	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	4.000	4.000
0042	465.0520	Asphaltic Rumble Strips, Shoulder	LF	8,630.000	8,630.000
0044	465.0560	Asphaltic Rumble Strips, Centerline	LF	4,550.000	4,550.000
0046	490.0100.S	Resin Binder High Friction Surface Treatment	SY	3,100.000	3,100.000
0048	504.0900	Concrete Masonry Endwalls	CY	15.000	15.000
0050	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	10.000	10.000
0052	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000	2.000
0054	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	2.000	2.000
0056	520.3418	Culvert Pipe Class III-A Non-metal 18-Inch	LF	220.000	220.000
0058	520.3424	Culvert Pipe Class III-A Non-metal 24-Inch	LF	66.000	66.000
0060	520.3430	Culvert Pipe Class III-A Non-metal 30-Inch	LF	70.000	70.000
0062	522.2324	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	106.000	106.000
0064	522.2348	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	LF	126.000	126.000
0066	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	4.000	4.000
0068	606.0100	Riprap Light	CY	640.000	640.000
0070	606.0200	Riprap Medium	CY	38.000	38.000
0072	618.0100	Maintenance and Repair of Haul Roads (project) 01. 8590-00-71	EACH	1.000	1.000
0074	619.1000	Mobilization	EACH	1.000	1.000
0076	624.0100	Water	MGAL	260.000	260.000
0078	625.0500	Salvaged Topsoil	SY	33,745.000	33,745.000
0080	627.0200	Mulching	SY	33,745.000	33,745.000
0082	628.1104	Erosion Bales	EACH	151.000	151.000
0084	628.1504	Silt Fence	LF	5,440.000	5,440.000
0086	628.1520	Silt Fence Maintenance	LF	5,440.000	5,440.000
0088	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0090	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0092	628.2008	Erosion Mat Urban Class I Type B	SY	660.000	660.000
0094	628.7504	Temporary Ditch Checks	LF	320.000	320.000
0096	628.7555	Culvert Pipe Checks	EACH	40.000	40.000
0098	629.0210	Fertilizer Type B	CWT	27.000	27.000

8590-00-71

Line	Item	Item Description	Unit	Total	Qty
0100	630.0110	Seeding Mixture No. 10	LB	880.000	880.000
0102	630.0200	Seeding Temporary	LB	810.000	810.000
0104	630.0500	Seed Water	MGAL	767.000	767.000
0106	633.5200	Markers Culvert End	EACH	12.000	12.000
0108	638.2102	Moving Signs Type II	EACH	12.000	12.000
0110	638.2602	Removing Signs Type II	EACH	16.000	16.000
0112	638.3000	Removing Small Sign Supports	EACH	9.000	9.000
0114	638.4000	Moving Small Sign Supports	EACH	11.000	11.000
0116	642.5001	Field Office Type B	EACH	1.000	1.000
0118	643.0300	Traffic Control Drums	DAY	1,677.000	1,677.000
0120	643.0420	Traffic Control Barricades Type III	DAY	2,760.000	2,760.000
0122	643.0705	Traffic Control Warning Lights Type A	DAY	6,900.000	6,900.000
0124	643.0715	Traffic Control Warning Lights Type C	DAY	175.000	175.000
0126	643.0900	Traffic Control Signs	DAY	30,054.000	30,054.000
0128	643.0920	Traffic Control Covering Signs Type II	EACH	13.000	13.000
0130	643.3165	Temporary Marking Line Paint 6-Inch	LF	17,160.000	17,160.000
0132	643.5000	Traffic Control	EACH	1.000	1.000
0134	645.0120	Geotextile Type HR	SY	102.000	102.000
0136	645.0130	Geotextile Type R	SY	1,280.000	1,280.000
0138	646.2020	Marking Line Epoxy 6-Inch	LF	9,100.000	9,100.000
0140	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	9,100.000	9,100.000
0142	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	1,820.000	1,820.000
0144	648.0100	Locating No-Passing Zones	MI	0.820	0.820
0146	650.4500	Construction Staking Subgrade	LF	4,310.000	4,310.000
0148	650.5000	Construction Staking Base	LF	4,310.000	4,310.000
0150	650.6000	Construction Staking Pipe Culverts	EACH	8.000	8.000
0152	650.8000	Construction Staking Resurfacing Reference	LF	240.000	240.000
0154	650.9911	Construction Staking Supplemental Control (project) 01. 8590-00-71	EACH	1.000	1.000
0156	650.9920	Construction Staking Slope Stakes	LF	3,390.000	3,390.000
0158	690.0150	Sawing Asphalt	LF	52.000	52.000
0160	740.0440	Incentive IRI Ride	DOL	3,610.000	3,610.000
0162	999.2100.S	Installing and Maintaining Climbing Turtle Exclusion Fence	LF	1,005.000	1,005.000
0164	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	800.000	800.000
0166	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0168	SPV.0090	Special 01. Bentonite Clay Anti-Seepage Core	LF	772.000	772.000

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TREES

STATION	TO	STATION		LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	REMARKS
486+00	A -	514+25	A	NEW ALIGNMENT	29	29	WITHIN PROJECT LIMITS
516+25	A -	522+00	A	NEW ALIGNMENT	6	6	WITHIN PROJECT LIMITS
620+00	-	632+00		STH 40	12		RAILROAD CROSSING
120+00	-	128+00		STH 40	8		RAILROAD CROSSING
998+00	-	1007+00		USH 8	.		RAILROAD CROSSING
				TOTAL 0010	64	35	
522+00	EX -	531+00	EX	EXISTING ALIGNMENT	9	9	WITHIN PROJECT LIMITS
				TOTAL 0020	9	9	
				PROJECT TOTAL	3	44	

REMOVING CULVERTS

STATION	TO	STATION		LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
46+8	EX -	46+8	EX	EXISTING ALIGNMENT	1	MAINLINE 4 FT LONG 30-INCH CACP
502+5	A -	502+5	A	NEW ALIGNMENT RT	1	DRIVEWAY 22 FT LONG 18-INCH CMCP
505+5	A -	505+5	A	EXISTING ALIGNMENT LT	1	DRIVEWAY 28 FT LONG 18-INCH CMCP
50+0	A -	50+0	A	EXISTING ALIGNMENT LT	1	DRIVEWAY 24 FT LONG 18-INCH CMCP
51+38	EX -	51+38	EX	EXISTING ALIGNMENT	1	MAINLINE 40 FT LONG 24-INCH CMCP
				TOTAL 0010	5	
525+31	EX -	525+31	EX	EXISTING ALIGNMENT	1	MAINLINE 48 FT LONG 48-INCH CMCP
525+42	EX -	525+42	EX	EXISTING ALIGNMENT	1	MAINLINE 4 FT LONG 48-INCH CMCP
				TOTAL 0020	2	
				PROJECT TOTAL	7	

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ASPHALT REMOVALS

STATION	TO	STATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	60.0150 SAWING ASPHALT LF
486+00	A -	486+10	A BEGIN RECONSTRUCT	2		26
531+0	EX -	533+50	EX RESURFACING		40	26
533+50	EX -	533+60	EX END RESURFACING	2		
			TOTAL 0010	58	40	52
			PROJECT TOTAL	58	40	52

PROJECT ITEMS

STATION	TO	STATION	LOCATION	211.0101.01 PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) (01. 850-00-1) EACH	213.0100.01 FINISHING ROADWAY (PROJECT) (01. 850-00-1) EACH	460.000.S MATERIAL TRANSFER VEHICLE EACH	618.0100.01 MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) (01. 850-00-1) EACH	61.1000 MOBILIZATION EACH	642.5001 FIELD OFFICE TYPE B EACH	643.5000 TRAFFIC CONTROL EACH	650.11.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 850-00-1) EACH
486+00	A -	533+60	EX PROJECT	1.0	0.8	0.8	0.8	0.8	0.8	1.0	0.8
			TOTAL 0010	1	0.8	0.8	0.8	0.8	0.8	1	0.8
522+00	EX -	531+20	EX PROJECT		0.2	0.2	0.2	0.2	0.2		0.2
			TOTAL 0020	0	0.2	0.2	0.2	0.2	0.2	0	0.2
			PROJECT TOTAL	1	1	1	1	1	1	1	1

⚠ BID ITEM IN MULTIPLE TABLES.

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EARTHWORK REMOVALS

STATION		TO	STATION		LOCATION	214.0100 OBLITERATING OLD ROAD STA	REMARKS
486+00	A	-	518+00	A	NEW ALIGNMENT		
48+00	A	-	4+00	A	NEW ALIGNMENT		CLAY ANTI-SEEPAGE CORE
48+00	A	-	4+00	A	NEW ALIGNMENT		DITCH
42+00	EX	-	502+00	EX	EXISTING ALIGNMENT	10	
505+00	EX	-	512+00	EX	EXISTING ALIGNMENT	7	
518+00	EX	-	522+00	EX	EXISTING ALIGNMENT		
					TOTAL 0010	1	
522+00	EX	-	531+0	EX	EXISTING/NEW ALIGNMENT		
					TOTAL 0020	0	
					PROJECT TOTAL	1	

AGGREGATE

STATION		TO	STATION		LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL	SPV.000.01 SPECIAL (01. BENTONITE CLAY ANTI-SEEPAGE CORE) LF
486+00	A	-	518+00	A	NEW ALIGNMENT	480	10200		10	
518+00	A	-	522+00	A	NEW ALIGNMENT	65	1300		30	
48+00	A	-	4+00	A	NEW ALIGNMENT LT					2
					TOTAL 0010	545	11500	0	200	2
522+00	EX	-	531+0	EX	EXISTING ALIGNMENT	145	3300	10	60	
					TOTAL 0020	145	3300	10	60	0
					PROJECT TOTAL	1300	14800	10	260	2

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	208.1100 SELECT BORROW FACTOR 1.20	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.30	MASS ORDINATE +/- (6)	208.0100 BORROW
CATEGORY 0010										
	486+00.00/518+00.00	RECONSTRUCTION	380	504	4306	620	406	520	-85	85
	46+05/46+60	DITCH	300	300						
	48+00/4+00	BENTONITE CLAY CORE	0	0						
		DRIVEWAYS	205	205				1850		1850
	518+25.00/522+00.00	RECONSTRUCTION	3401	2638	63	40	0	11	-30	30
DIVISION 1 SUBTOTAL			1336	830	506	860	415	256	-122	3142
CATEGORY 0020										
	522+00.00/533+65.00	FLOODING MITIGATION	123	1362	-123	2080	2318	3013	-2183	2183
DIVISION 2 SUBTOTAL			123	1362	-123	2080	2318	3013	-2183	2183
GRAND TOTAL			14615	66	446	40	64	1020	-345	5325

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

(4) AVAILABLE MATERIAL CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(5) EXPANDED FILL FACTOR 1.30

(6) THE MASS ORDINATE + OR - TY CALCULATED FOR THE DIVISION. PLUS UANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

BID ITEM IN MULTIPLE TABLES.

PROJECT NO 850-00-1	HWY STH 40	COUNTY SAWYER	MISCELLANEOUS UANTITIES	SHEET 40	E

FILE NAME NPDSC3D8500001SHEETS030101M.DWG
LAYOUT NAME - 02

PLOT DATE /25/2026 1041 AM PLOT BY BUKOVITZ CAITLIN LE PLOT NAME PLOT SCALE 1 1

WISDOT/CADDS SHEET 42

3

DRIVEWAYS

STATION		TO	STATION		LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
48+15	A	-	48+15	A	NEW ALIGNMENT DRIVEWAY RT	124	
502+5	A	-	502+5	A	NEW ALIGNMENT DRIVEWAY RT	43	
505+5	A	-	505+5	A	NEW ALIGNMENT DRIVEWAY LT	16	4
50+0	A	-	50+0	A	NEW ALIGNMENT DRIVEWAY LT	125	
512+80	A	-	512+80	A	NEW ALIGNMENT DRIVEWAY RT	142	
					SUBTOTAL 0010	610	4
					PROJECT TOTAL		4

BID ITEM IN MULTIPLE TABLES.

RUMBLE STRIPS AND NO PASSING ZONES

STATION		TO	STATION		LOCATION	465.0520 ASPHALTIC RUMBLE STRIPS SHOULDER LF	465.0560 ASPHALTIC RUMBLE STRIPS CENTERLINE LF	648.0100 LOCATING NO-PASSING ZONES MI
486+00	A	-	531+20	EX	RECONSTRUCT			0.82
486+00	A	-	522+00	EX	RECONSTRUCT	680	330	
522+00	A	-	531+25	EX	RECONSTRUCT	1850	25	
531+25	EX	-	533+60	EX	RESURFACING		235	
					TOTAL 0010	8630	4550	0.82
					PROJECT TOTAL	8630	4550	0.82

3

PAVING

STATION		TO	STATION		LOCATION	455.0605 TACK COAT GAL	460.5244 HMA PAVEMENT 4 LT 58-34 S TON	40.0100.S RESIN BINDER HIGH FRICTION SURFACE TREATMENT SY	REMARKS
486+00	A	-	514+15	A	RECONSTRUCT	1280	325		30 FEET WIDE 5.5 DEEP
516+25	A	-	522+00	A	RECONSTRUCT	260	60		30 FEET WIDE 5.5 DEEP
522+00	A	-	533+60	EX	HIGH FRICTION SURFACE			3100	
531+0	EX	-	533+60	EX	MILL OVERLAY	40	55		26 FEET WIDE 2 DEEP
					TOTAL 0010	1580	4000	3100	
522+00	A	-	531+0	EX	TRIBUTARY TO THE COUDERAY	450	1150		30 FEET WIDE 5.5 DEEP
					TOTAL 0020	450	1150	0	
					PROJECT TOTAL	2030	5150	3100	

COLD WEATHER

STATION		TO	STATION		LOCATION	450.4000 HMA COLD WEATHER PAVING TON
486+00	A	-	533+60	EX	MAINLINE	1000
					TOTAL 0010	1000
					PROJECT TOTAL	1000

PROJECT NO 850-00-1	HWY STH 40	COUNTY SAWYER	MISCELLANEOUS UANTITIES	SHEET 41	E

3

SILT FENCE

STATION	TO	STATION		LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	.2100.S. INSTALLING AND MAINTAINING CLIMBING TURTLE EXCLUSION FENCE LF
486+00	A -	501+00	A	RECONSTRUCT LT	120	120	
42+00	A -	501+00	A	RECONSTRUCT RT	1660	1660	
505+25	A -	506+25	A	RECONSTRUCT LT	5	5	
50+5	A -	51+00	A	RECONSTRUCT LT	400	400	
50+00	A -	515+00	A	RECONSTRUCT RT	285	285	
516+50	EX -	518+00	EX	RECONSTRUCT RT	130	130	
				TOTAL 0010	3840	3840	0
522+00	EX -	531+20	EX	FLOOD MITIGATION LT	55	55	535
522+00	EX -	531+20	EX	FLOOD MITIGATION RT	845	845	40
				TOTAL 0020	1600	1600	1005
				PROJECT TOTAL	5440	5440	1005

EROSION CONTROL MOBILIZATION

STATION	TO	STATION	LOCATION	628.105 MOBILIZATIONS EROSION CONTROL EACH	628.110 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
486+00	A -	533+5	EX PROJECT	2	1
			TOTAL 0010	2	1
			PROJECT TOTAL	2	1

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CULVERTS

STATION	TO	STATION		LOCATION	504.000 CONCRETE MASONRY ENDWALLS CY	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH EACH	520.3418 CULVERT PIPE CLASS III-A NON-METAL 18-INCH LF	520.3424 CULVERT PIPE CLASS III-A NON-METAL 24-INCH LF	520.3430 CULVERT PIPE CLASS III-A NON-METAL 30-INCH LF	522.2324 * CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH LF	522.2348 * CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 48X6-INCH LF	522.2624 * APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH EACH	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	633.5200 MARKERS CULVERT END EACH	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
486+5	A -	486+5	A	NEW ALIGNMENT MAINLINE								54		2			2			
488+4	A -	488+4	A	DRIVEWAY RT		2			30											
46+50	A -	46+50	A	NEW ALIGNMENT MAINLINE				2			0					6	2	12		
48+15	A -	48+15	A	DRIVEWAY RT		2			64											
502+5	A -	502+5	A	DRIVEWAY RT		2			28											
505+5	A -	505+5	A	DRIVEWAY LT		2			42											
50+0	A -	50+0	A	DRIVEWAY LT		2			56											
51+38	EX -	51+38	EX	EXISTING ALIGNMENT MAINLINE								52		2			2			
51+38	EX -	522+50	EX	EXISTING ALIGNMENT LT											640				1280	
525+60	EX -	525+60	EX	EXISTING ALIGNMENT MAINLINE			2			66							2			
				TOTAL 0010	0	10	2	2	220	66	0	106	0	4	640	6	8	12	1280	
525+31	EX -	525+31	EX	EXISTING ALIGNMENT LT	.50								62			16	2	45		TRIBUTARY TO COUDERAY RIVER
525+42	EX -	525+42	EX	EXISTING ALIGNMENT LT	.50								64			16	2	45		TRIBUTARY TO COUDERAY RIVER
				TOTAL 0020	15	0	0	0	0	0	0	0	126	0	0	32	4	0	0	
				PROJECT TOTAL	15	10	2	2	220	66	0	106	126	4	640	38	12	102	1280	

SIX JOINTS FROM EACH END OF CONCRETE CULVERT PIPE SHALL BE TIED. TYING JOINTS ARE INCIDENTAL TO EACH RESPECTIVE BID ITEM.

RESTORATION

STATION	TO	STATION		LOCATION	625.0500 SALVAGED TOPSOIL SY	62.0200 MULCHING SY	628.1104 EROSION BALES EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.504 TEMPORARY DITCH CHECKS LF	628.555 CULVERT PIPE CHECKS EACH	62.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
486+00	A -	531+20	EX	EXISTING ALIGNMENT			20								UNDISTRIBUTED
486+00	A -	518+00	A	NEW ALIGNMENT LT	50	50	56		110		5	210	210	15	
486+00	A -	518+00	A	NEW ALIGNMENT RT	8460	8460	56		110	30	6	230	230	11	
42+00	A -	503+00	A	NEW ALIGNMENT LT	3545	3545					3	100	100	80	OBLITERATING OUTSIDE NEW ALIGNMENT FOOTPRINT
42+00	A -	503+00	A	NEW ALIGNMENT RT	3280	3280					3	0	0	4	OBLITERATING OUTSIDE NEW ALIGNMENT FOOTPRINT
505+00	A -	512+50	A	NEW ALIGNMENT RT	2160	2160					2	60	60	4	OBLITERATING OUTSIDE NEW ALIGNMENT FOOTPRINT
505+00	A -	512+50	A	NEW ALIGNMENT RT	2060	2060					2	60	60	50	OBLITERATING OUTSIDE NEW ALIGNMENT FOOTPRINT
518+00	EX -	522+00	EX	EXISTING ALIGNMENT LT	80	80		0	50		1	30	30	20	EROSION MAT IS TO BE USED IN AREAS OF WATER FLOW
518+00	EX -	522+00	EX	EXISTING ALIGNMENT RT	80	80		0	50		1	30	30	20	EROSION MAT IS TO BE USED IN AREAS OF WATER FLOW
				TOTAL 0010	285	285	132	180	320	30	23	810	810	65	
522+00	EX -	531+20	EX	EXISTING ALIGNMENT LT	2330	2330	9	235			2	35		53	EROSION MAT IS TO BE USED IN AREAS OF WATER FLOW
522+00	EX -	531+20	EX	EXISTING ALIGNMENT RT	2420	2420	10	245		10	2	35		55	EROSION MAT IS TO BE USED IN AREAS OF WATER FLOW
				TOTAL 0020	450	450	1	480	0	10	4	0	0	108	
				PROJECT TOTAL	3345	3345	151	660	320	40	2	880	810	6	

⚠ BID ITEM IN MULTIPLE TABLES.

PROJECT NO 850-00-1	HWY STH 40	COUNTY SAWYER	MISCELLANEOUS UANTITIES	SHEET 42	E

DETAILED DETOUR SIGNING

643.000
TRAFFIC CONTROL SIGNS

LAYOUT	SIGN GROUP	SIGN CODE	DESCRIPTION	DAY
L1	D1	W20-3A	ROAD CLOSED AHEAD	115
L1	D2	R11-3	ROAD CLOSED TO THRU TRAFFIC 0. MILES AHEAD	115
L1	D3	R11-3	ROAD CLOSED TO THRU TRAFFIC 0. MILES AHEAD	115
L1	D4	W20-3C	ROAD CLOSED 1000 FT	115
L1	D5	W20-3D	ROAD CLOSED 500 FT	115
L1	D6	R11-4	ROAD CLOSED TO THRU TRAFFIC	115
L1	D	R11-4	ROAD CLOSED TO THRU TRAFFIC	115
L2	D8	R11-4	ROAD CLOSED TO THRU TRAFFIC	115
L2	D	R11-4	ROAD CLOSED TO THRU TRAFFIC	115
L2	D10	W20-3D	ROAD CLOSED 500 FT	115
L2	D11	W20-3C	ROAD CLOSED 1000 FT	115
L2	D12	R11-3	ROAD CLOSED TO THRU TRAFFIC 0.5 MILES HEAD	115
L2	D13	R11-3	ROAD CLOSED TO THRU TRAFFIC 0.5 MILES HEAD	115
L2	D14	W20-3A	ROAD CLOSED AHEAD	115
L3	D15	M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3		W20-2A	DETOUR AHEAD	115
L3	D16	M4-8	DETOUR	115
L3		M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3		MO6-1	STRAIGHT AHEAD	115
L3	D1	A4-12	DIRECTIONAL ARROW	115
L3	D18	M4-8	DETOUR	115
L3		MO6-1	STRAIGHT AHEAD	115
L3	D1	R11-3	ROAD CLOSED TO THRU TRAFFIC 1. MILES AHEAD	115
L3		M4-L	DETOUR LEFT ARROW	115
L3	D20	M4-8	DETOUR	115
L3		M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3		MO5-1R	RIGHT TURN AHEAD	115
L3	D21	M4-8	DETOUR	115
L3		M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3		MO6-1	RIGHT ARROW	115
L3	D22	M4-8	DETOUR	115
L3		M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3	D23	M4-8A	END DETOUR	115
L3		M3-1	NORTH	115
L3		M1-6	STH 40	115
L3	D24	M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3		W20-2A	DETOUR AHEAD	115
L3	D25	M4-8	DETOUR	115
L3		M3-3	SOUTH	115
L3		M1-6	STH 40	115
L3		MO5-1L	LEFT TURN AHEAD	115
L3	D26	M4-8	DETOUR	115
L3		M3-3	SOUTH	115
L3		MO6-1	LEFT ARROW	115
L4	D2	M4-8	DETOUR	115
L4		M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		MO5-1R	RIGHT TURN AHEAD	115
L4	D28	M4-8	DETOUR	115
L4		M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		MO6-1	RIGHT ARROW	115
L4	D2	M4-8	DETOUR	115
L4		M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4	D30	M4-8	DETOUR	115
L4		M3-1	NORTH	115
L4		M1-6	STH 40	115
L4		MO5-1L	LEFT TURN AHEAD	115
L4	D31	M4-8	DETOUR	115
L4		M3-1	NORTH	115
L4		M1-6	STH 40	115
L4		MO6-1	LEFT ARROW	115
			SECTION 0010	35

DETAILED DETOUR SIGNING

643.000
TRAFFIC CONTROL SIGNS

LAYOUT	SIGN GROUP	SIGN CODE	DESCRIPTION	DAY
L4	D32	M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		W20-2A	DETOUR AHEAD	115
L4	D33	M4-8	DETOUR	115
L4		M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		MO5-1L	LEFT TURN AHEAD	115
L4	D34	M4-8	DETOUR	115
L4		M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		MO6-1	LEFT ARROW	115
L4	D35	M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		W20-2A	DETOUR AHEAD	115
L4	D36	M4-8	DETOUR	115
L4		M3-3	SOUTH	115
L4		M1-6	STH 40	115
L4		MO6-1	STRAIGHT AHEAD	115
L4	D3	M4-8	DETOUR	115
L4		M3-1	NORTH	115
L4		M1-6	STH 40	115
L5	D38	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		M4-22L	SECOND LEFT	115
L5	D3	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		MO6-1	LEFT ARROW	115
L5	D40	M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		W20-2A	DETOUR AHEAD	115
L5	D41	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		MO6-1	STRAIGHT AHEAD	115
L5	D42	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		MO6-1	STRAIGHT AHEAD	115
L5	D43	M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		W20-2A	DETOUR AHEAD	115
L5	D44	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		MO5-1R	RIGHT TURN AHEAD	115
L5	D45	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5		MO6-1	RIGHT ARROW	115
			SECTION 0010	5865

⚠ BID ITEM IN MULTIPLE TABLES.

3

DETAILED DETOUR SIGNING

643.000 TRAFFIC CONTROL SIGNS

LAYOUT	SIGN GROUP	SIGN CODE	DESCRIPTION	DAY
L5	D46	M4-8	DETOUR	115
L5		M3-1	NORTH	115
L5		M1-6	STH 40	115
L5	D4	M4-8	DETOUR	115
L5		M3-3	SOUTH	115
L5		M1-6	STH 40	115
L5		MO5-1R	RIGHT TURN AHEAD	115
L5	D48	M4-8	DETOUR	115
L5		M3-3	SOUTH	115
L5		M1-6	STH 40	115
L5		MO6-1	RIGHT ARROW	115
L5	D4	M4-8	DETOUR	115
L5		M3-3	SOUTH	115
L5		M1-6	STH 40	115
L6	D50	M3-1	NORTH	115
L6		M1-6	STH 40	115
L6		W20-2A	DETOUR AHEAD	115
L6	D51	M4-8	DETOUR	115
L6		MO6-1	STRAIGHT AHEAD	115
L6	D52	A4-12	DIRECTIONAL ARROW	115
L6	D53	M4-8	DETOUR	115
L6		MO6-1	STRAIGHT AHEAD	115
L6	D54	M4-8	DETOUR	115
L6		M3-1	NORTH	115
L6		M1-6	STH 40	115
L6	D55	M4-8A	END DETOUR	115
L6		M3-1	NORTH	115
L6		M1-6	STH 40	115
L6	D56	M3-1	NORTH	115
L6		M1-6	STH 40	115
L6		W20-2A	DETOUR AHEAD	115
L6	D5	M4-8	DETOUR	115
L6		MO5-1R	RIGHT TURN AHEAD	115
L6	D58	A4-12	DIRECTIONAL ARROW	115
L6		A4-12	DIRECTIONAL ARROW	115
L6	D5	M4-8	DETOUR	115
L6		MO6-1	RIGHT ARROW	115
L6	D60	M4-8	DETOUR	115
L6	D61	M4-8	DETOUR	115
			SECTION 0010	4485

DETAILED DETOUR SIGNING

643.000 TRAFFIC CONTROL SIGNS

LAYOUT	SIGN GROUP	SIGN CODE	DESCRIPTION	DAY
L6	D62	R11-3	ROAD CLOSED TO THRU TRAFFIC 22 MILES AHEAD	115
L6		M4-R	DETOUR RIGHT ARROW	115
L6	D63	M4-8	DETOUR	115
L6		M3-1	NORTH	115
L6		M1-6	STH 40	115
L6		MO5-1L	RIGHT TURN AHEAD	115
L6	D64	M4-8	DETOUR	115
L6		M3-1	NORTH	115
L6		M1-6	STH 40	115
L6		MO6-1	LEFT ARROW	115
L6	D65	R11-3	ROAD CLOSED TO THRU TRAFFIC 21.4 MILES AHEAD	115
L6		M4-R	DETOUR RIGHT ARROW	115
L	D66	M3-1	NORTH	115
L		M1-6	STH 40	115
L		W20-2A	DETOUR AHEAD	115
L	D6	M4-8	DETOUR	115
L		MO5-1R	RIGHT TURN AHEAD	115
L	D68	A4-12	DIRECTIONAL ARROW	115
L	D6	M4-8	DETOUR	115
L		MO6-1	RIGHT ARROW	115
L	D0	M4-8	DETOUR	115
L		M3-1	NORTH	115
L		M1-6	STH 40	115
L	D1	M3-1	NORTH	115
L		M1-6	STH 40	115
L		W20-2A	DETOUR AHEAD	115
L	D2	M4-8	DETOUR	115
L		M3-1	NORTH	115
L		M1-6	STH 40	115
L		MO5-1L	LEFT TURN AHEAD	115
L	D3	M4-8	DETOUR	115
L		M3-1	NORTH	115
L		M1-6	STH 40	115
L		MO6-1	LEFT ARROW	115
L	D4	M4-8	DETOUR	115
L		M3-1	NORTH	115
L		M1--6	STH 40	115
L		MO6-1	STRAIGHT AHEAD	115
			SUBTOTAL 0010	4830
			SUBTOTAL 0010	23115

3

TRAFFIC CONTROL SUMMARY

STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.005 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.015 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.000 TRAFFIC CONTROL SIGNS DAY	ONE CYCLE 643.020 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	REMARKS
								14			G20-5 HWY STH 40 ROAD WORK BEGINS XXX-XX
			DETOUR ROUTE					23115			SEE DETAILED DETOUR SIGNING SUBTOTAL
			DETOUR ROUTE					515			SEE DETOUR OVERVIEW SHEET FOR LOCATIONS
					1035	200					L1 DETOUR SHEET
					1035	200					L2 DETOUR SHEET
					230	20			3		L3 DETOUR SHEET
									6		L6 DETOUR SHEET
					460	1840			4		L DETOUR SHEET
				16			15	150			PROJECT LENGTH
48+00	A -	513+0	EX							1060	
516+00	A -	532+00	EX							6400	INSTALLED PRIOR TO ALLOWING TRAFFIC THROUGH WORK ZONE
			TOTAL 0010	16	260	600	15	30054	13	1160	
			PROJECT TOTAL	16	260	600	15	30054	13	1160	

PLACE G20-5 SIGNS CALENDAR DAYS PRIOR TO CONSTRUCITON BEGIN. INSERT START DATE INTO SPACE DENOTED XXX-XX
PROJECT DURATION 15 DAYS
DETOUR DURATION 115 DAYS

BID ITEM IN MULTIPLE TABLES.

PROJECT NO 850-00-1	HWY STH 40	COUNTY SAWYER	MISCELLANEOUS UANTITIES	SHEET 44	E

3

3

SIGNAGE

STATION	TO	STATION		LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
482+05	EX -	482+05	EX	EXISTING ALIGNMENT LT	1			1	NO PASSING ZONE
488+60	EX -	488+60	EX	EXISTING ALIGNMENT RT	1	1		1	CURVE 35 MPH
41+00	EX -	4+50	EX	EXISTING ALIGNMENT RT		12	7		CHEVRONS AND UNSIGNED POST
4+5	EX -	4+5	EX	EXISTING ALIGNMENT RT	1			1	SCHOOL BUS STOP AHEAD
506+5	EX -	506+5	EX	EXISTING ALIGNMENT LT		1	1		NIGHT ARROW
511+00	EX -	511+00	EX	EXISTING ALIGNMENT LT		1	1		NIGHT ARROW
515+15	EX -	515+15	EX	EXISTING ALIGNMENT LT	1	1		1	CURVE 35 MPH
518+15	EX -	518+15	EX	EXISTING ALIGNMENT LT	1			1	SCHOOL BUS STOP AHEAD
518+55	EX -	518+55	EX	EXISTING ALIGNMENT RT	2			1	CURVE 35 MPH
524+50	EX -	524+50	EX	EXISTING ALIGNMENT LT	1			1	NIGHT ARROW
526+00	EX -	526+00	EX	EXISTING ALIGNMENT LT	1			1	NIGHT ARROW
52+50	EX -	52+50	EX	EXISTING ALIGNMENT RT	1			1	NIGHT ARROW
530+25	EX -	530+25	EX	EXISTING ALIGNMENT RT	1			1	NIGHT ARROW
540+80	EX -	540+80	EX	EXISTING ALIGNMENT RT	1			1	NO PASSING ZONE
				TOTAL 0010	12	16	9	11	
				PROJECT TOTAL	12	16	9	11	

MARKING

STATION	TO	STATION		LOCATION	646.2020 MARKING LINE EPOXY 6-INCH LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF
486+00	A -	514+15	A	NEW ALIGNMENT	5630	5630	1126
516+25	EX -	533+60	EX	EXISTING ALIGNMENT	340	340	64
				TOTAL 0010	100	100	1820
				PROJECT TOTAL	100	100	1820

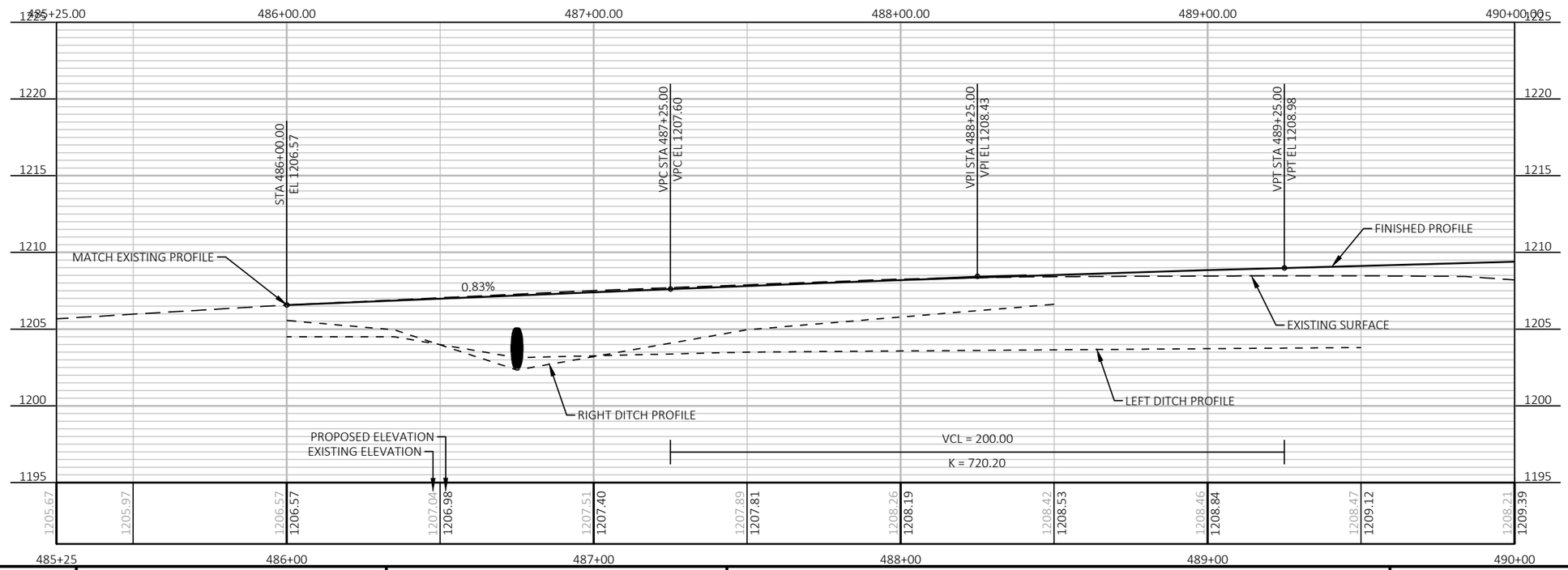
STAKING

STATION	TO	STATION		LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.20 CONSTRUCTION STAKING SLOPE STAKES LF
486+00	A -	514+15	A	NEW ALIGNMENT	2815	2815	6		2815
516+25	EX -	518+00	EX	EXIST ALIGNMENT	15	15			15
518+00	EX -	522+00	EX	EXIST ALIGNMENT	400	400			400
531+20	EX -	533+60	EX	EXIST ALIGNMENT				240	
				TOTAL 0010	330	330	6	240	330
522+00	EX -	531+20	EX	RECONSTRUCT	20	20	2		
				TOTAL 0020	20	20	2	0	0
				PROJECT TOTAL	4310	4310	8	240	330

BEGIN RECONSTRUCTION
STA 486+00 A = STA 486+00 EX
MATCH EXISTING
REMOVING ASPHALTIC SURFACE BUTT JOINTS

STA 486+75 A, -60.00' LT
STA 486+00 A, -33.00' LT
STA 487+95.94 A, -60.00' LT
PROPOSED R/W
BENTONITE CLAY ANTI-SEEPAGE CORE
EXISTING R/W
BP: 484+25.00 A
STA 486+60, -17.00' LT
WETLAND
PC: 487+95.94 A
SAWING ASPHALT REQ'D
BEVCOMM
STH 40
490+00 A
489+00 A
486+00 A
487+00 A
488+00 A
0 EX
STH 40
485+00 EX
486+00 EX
487+00 EX
488+00 EX
489+00 EX
490+00 EX
34'
STA 486+60, 17.00' RT
SLOPE INTERCEPTS
NORTH CENTRAL POWER COMPANY INC
STA 486+00 A, 33.00' RT
EXISTING R/W
NORTH CENTRAL POWER COMPANY INC
STA 486+75
CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH
APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH
SIX JOINTS TO BE TIED AT EACH END OF CONCRETE CULVERTS, INCIDENTAL TO BID ITEMS
STA 487+50 A, 45.00' RT
STA 488+47 A
EXISTING GRAVEL DRIVEWAY NOT SURVEYED
20' CULVERT PIPE CLASS III-A NON-METAL 18-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 18-INCH
PROPOSED R/W
STA 486+75 A, 85.00' RT

5 5



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PROFILE	SHEET 46	E

PROPOSED R/W
STA 495+50 A, -60.00' LT
BENTONITE CLAY ANTI-SEEPAGE CORE
SLOPE INTERCEPTS
490+00 A
STH 40
490+00 EX
491+00 A
34'
492+00 A
493+00 A
494+00 A
495+00 A
496+00 A
STH 40
491+00 EX
OBLITERATE OLD ROAD
NORTH CENTRAL POWER COMPANY INC
NORTH CENTRAL POWER COMPANY INC
WETLAND
STA 495+45 A, 50.00' RT
PROPOSED R/W
492+00 EX
BEVCOMM
BEVCOMM
EXISTING R/W
493+00 EX
494+00 EX
OBLITERATE OLD ROAD
495+00 EX
496+00 EX

5

5

490+00.00 491+00.00 492+00.00 493+00.00 494+00.00 495+00.00 496+00.00

1225 1220 1215 1210 1205 1200

VCL = 180.00
K = 600.00
VPC STA 495+75.00
VPC EL 1213.16
FINISHED PROFILE
0.85%
0.55%
VPC STA 492+85.00
VPC EL 1210.96
VPI STA 493+75.00
VPI EL 1211.46
EXISTING SURFACE
VPT STA 494+65.00
VPT EL 1212.22
LEFT DITCH PROFILE
RIGHT DITCH PROFILE
VCL = 200.00
K = 666.67
PROPOSED ELEVATION
EXISTING ELEVATION

| | | |

STA 497+45.61 A, -56.00' LT

BENTONITE CLAY ANTI-SEEPAGE CORE

WETLAND

STA 500+00 A, -50.00' LT

PROPOSED R/W

SLOPE INTERCEPTS

STA 499+77.62 A, -56.00' LT

STA 496+50 A
70' CULVERT PIPE CLASS III-A NON-METAL 30-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 30-INCH
SIX JOINTS TO BE TIED AT EACH END OF CONCRETE CULVERTS, INCIDENTAL TO BID ITEMS

PT: 499+77.62 A

496+00 A

STH 40

497+00 A

498+00 A

499+00 A

34'

500+00 A

501+00 A

502+00 A

BEVCOMM

STH 40

503+00 EX

STA 496+00 A, 105.71' RT

RIPRAP MEDIUM

STA 497+51.60 A, 56.19' RT

OBLITERATE OLD ROAD

502+00 EX

STA 499+77.62 A, 56.00' RT

EXISTING R/W

WETLAND

STA 498+15 A
EXISTING GRAVEL DRIVEWAY (SEE CONSTRUCTION DETAILS)
64' CULVERT PIPE CLASS III-A NON-METAL 18-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE 18-INCH

PROPOSED R/W

501+00 EX

BEVCOMM

NORTH CENTRAL POWER COMPANY INC

NORTH CENTRAL POWER COMPANY INC

STA 496+73.87 A, 115.38' RT

EXISTING R/W

497+00 EX

OBLITERATE OLD ROAD

500+00 EX

STA 496+87 EX
REMOVING SMALL PIPE CULVERTS
EXISTING 30-INCH CLASS III CULVERT PIPE ALUMINUM

N

5

5

496+00.00 497+00.00 498+00.00 499+00.00 500+00.00 501+00.00 502+00.00

1225 1220 1215 1210 1205 1200

VPI STA 496+75.00
VPI EL 1214.01

VPT STA 497+75.00
VPT EL 1214.56

VCL = 275.00
K = 261.90

FINISHED PROFILE

0.55%

VPC STA 499+07.50
VPC EL 1215.29

EXISTING SURFACE

VPI STA 500+45.00
VPI EL 1216.04

VPT STA 501+82.50
VPT EL 1218.24

LEFT DITCH PROFILE

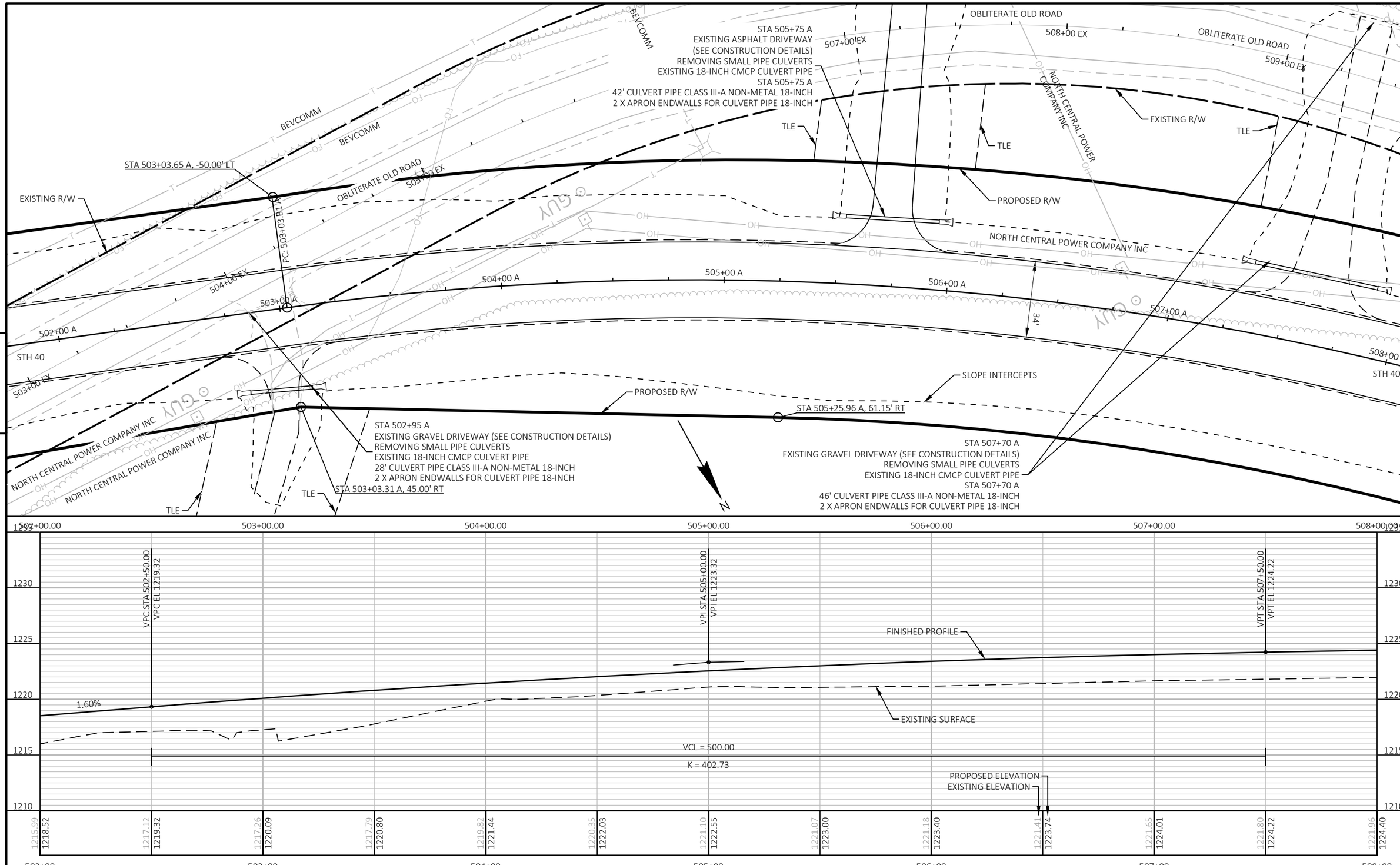
RIGHT DITCH PROFILE

VCL = 200.00
K = 666.67

PROPOSED ELEVATION
EXISTING ELEVATION

496+00	497+00	498+00	499+00	500+00	501+00	502+00
1209.46	1209.39	1209.63	1209.88	1210.07	1210.36	1210.68	1211.05	1211.42	1212.01	1212.67	1213.62	1215.99
1213.37	1213.75	1214.10	1214.42	1214.69	1214.97	1215.24	1215.55	1215.96	1216.46	1217.05	1217.74	1218.52

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PLOT	SHEET 48	E



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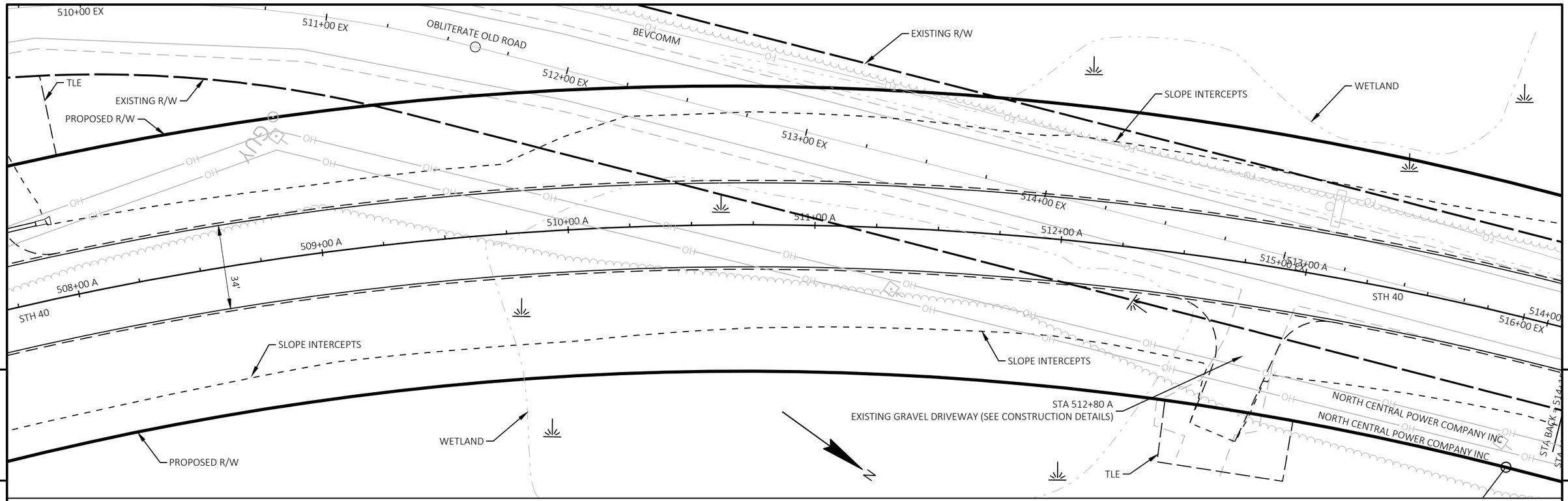
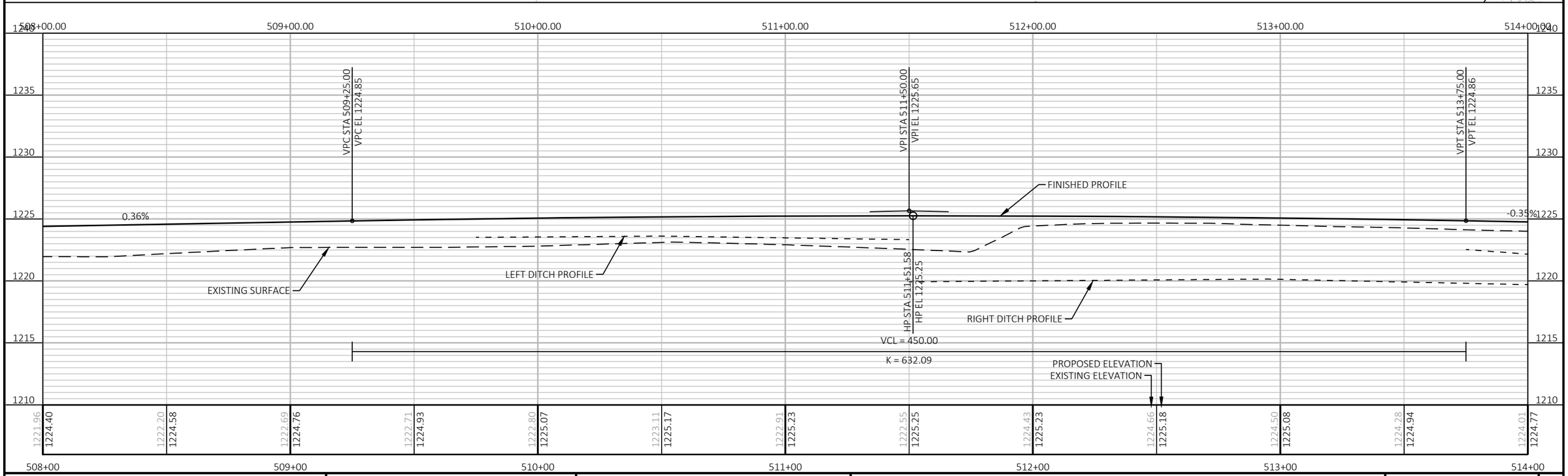
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PROFILE	SHEET 49	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\050101_PP.DWG
LAYOUT NAME - 04
PLOT DATE : 7/24/2026 3:12 PM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PLOT	SHEET 50 E

STA 517+38 A
REMOVING SMALL PIPE CULVERTS
EXISTING 35X24-INCH PIPE ARCH CMCP
52' CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH
2 X APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH
SIX JOINTS TO BE TIED AT EACH END OF CONCRETE CULVERTS, INCIDENTAL TO BID ITEMS

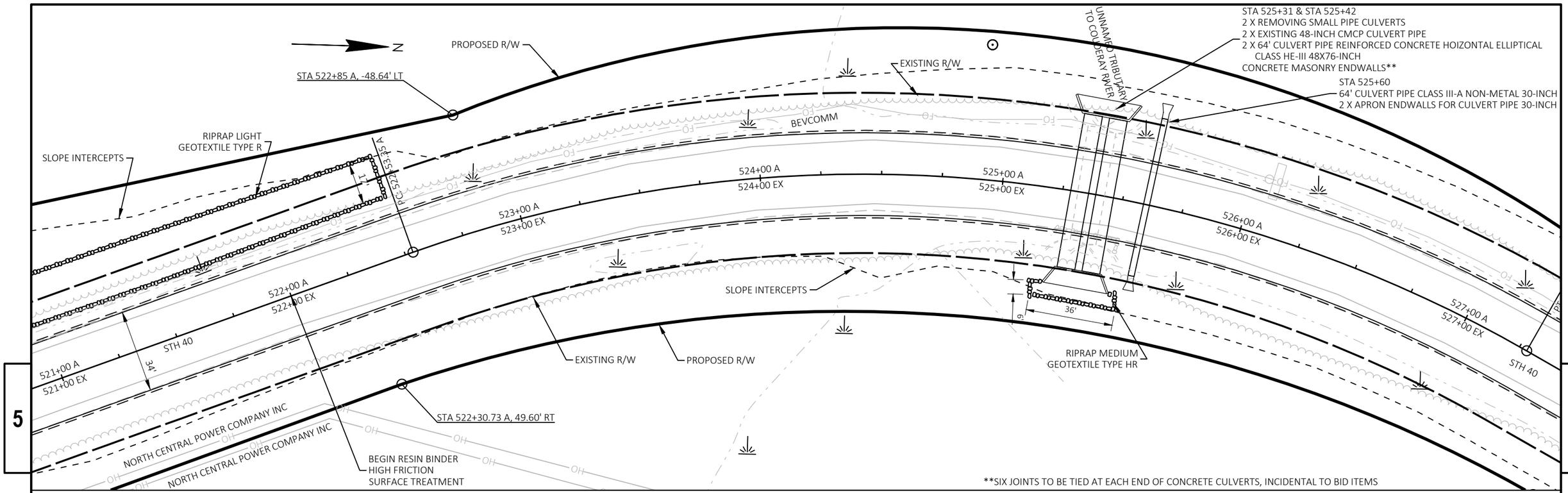
STA 514+07.73 A, -51.22' LT
STA 517+38 A, -70.00' LT
PROPOSED R/W
STA 521+00 A, -73.00' LT
RIPRAP LIGHT
GEOTEXTILE TYPE R
EXISTING R/W
PT: 514+08.75 A
22'
21'
20'
BEVCOMM
514+00 A
516+00 EX
517+00 A
517+00 EX
518+00 A
518+00 EX
519+00 A
519+00 EX
520+00 A
520+00 EX
521+00 A
521+00 EX
STH 40
34'
STH 40
EXISTING R/W
STA BACK = 514+15.00 A
STA AHEAD = 516+25.00 A
NORTH CENTRAL POWER COMPANY INC
NORTH CENTRAL POWER COMPANY INC
SLOPE INTERCEPTS
STA 517+90.91 A, 52.00' RT
PROPOSED R/W
STA 517+10.76 A, 60.66' RT
513+97.70 A, 60.70' RT
STA 517+38 A, 75.00' RT
N

514+00.00 517+00.00 518+00.00 519+00.00 520+00.00 521+00.00 521+50.00

1235 1230 1225 1220 1215 1210 1205

VPC STA 516+30.00
VPC EL 1224.70
VPI STA 518+65.00
VPI EL 1223.87
STA 519+90.00
EL 1217.76
VPT STA 521+00.00
VPT EL 1213.37
VCL = 480.00
K = 115.16
VPC STA 521+05.00
VPC EL 1213.14
FINISHED PROFILE
EXISTING SURFACE
RIGHT DITCH PROFILE
LEFT DITCH PROFILE
-4.47%
VCL = 470.00
K = 114.22
PROPOSED ELEVATION
EXISTING ELEVATION

| | | |



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PLOT	SHEET 52	E

N

STA 528+82.97 A, -50.00' LT

EXISTING R/W

PROPOSED R/W

SLOPE INTERCEPTS

STA 530+75 A, -50.00' LT

527+00 A
527+00 EX

STH 40

528+00 A
528+00 EX

PC: 528+82.97 A

34'

529+00 A
529+00 EX

STA 527+59.99 A, 50.00' RT

PROPOSED R/W

SLOPE INTERCEPTS

EXISTING R/W

530+00 A
530+00 EX

STA 528+82.97 A, 50.00' RT

PT: 531+01.79 A

STA 531+25 A, -33.00' LT

STA 531+60, -13.00' LT

END RECONSTRUCTION
BEGIN RESURFACING
SAWING ASPHALT REQ'D

STA 531+01.79, -17.00' LT

BEVCOMM

531+00 A
531+00 EX

532+00 A
532+00 EX

533+00 A
533+00 EX

16'

STH 40

NORTH CENTRAL POWER COMPANY INC

NORTH CENTRAL POWER COMPANY INC

STA 531+01.79, 17.00' RT

STA 531+60, 13.00' RT

STA 532+00 A, 33.00' RT

STA 531+01.79 A, 50.00' RT

5

5

527+00.00 528+00.00 529+00.00 530+00.00 531+00.00 532+00.00 533+00.00

1220 1215 1210 1205 1200 1195 1190

GRADE CHANGE FOR DRAINAGE
DURING SUPERELEVATION TRANSITION

STA 527+60.00
EL 1201.18

STA 528+60.00
EL 1200.68

VCL = 180.00

K = 298.31

VPC STA 530+65.00
VPC EL 1200.05

LP STA 531+55.51
LP EL 1199.92

VPT STA 532+45.00
VPT EL 1200.05

-0.50%

-0.30%

FINISHED PROFILE

EXISTING SURFACE

LEFT DITCH PROFILE

RIGHT DITCH PROFILE

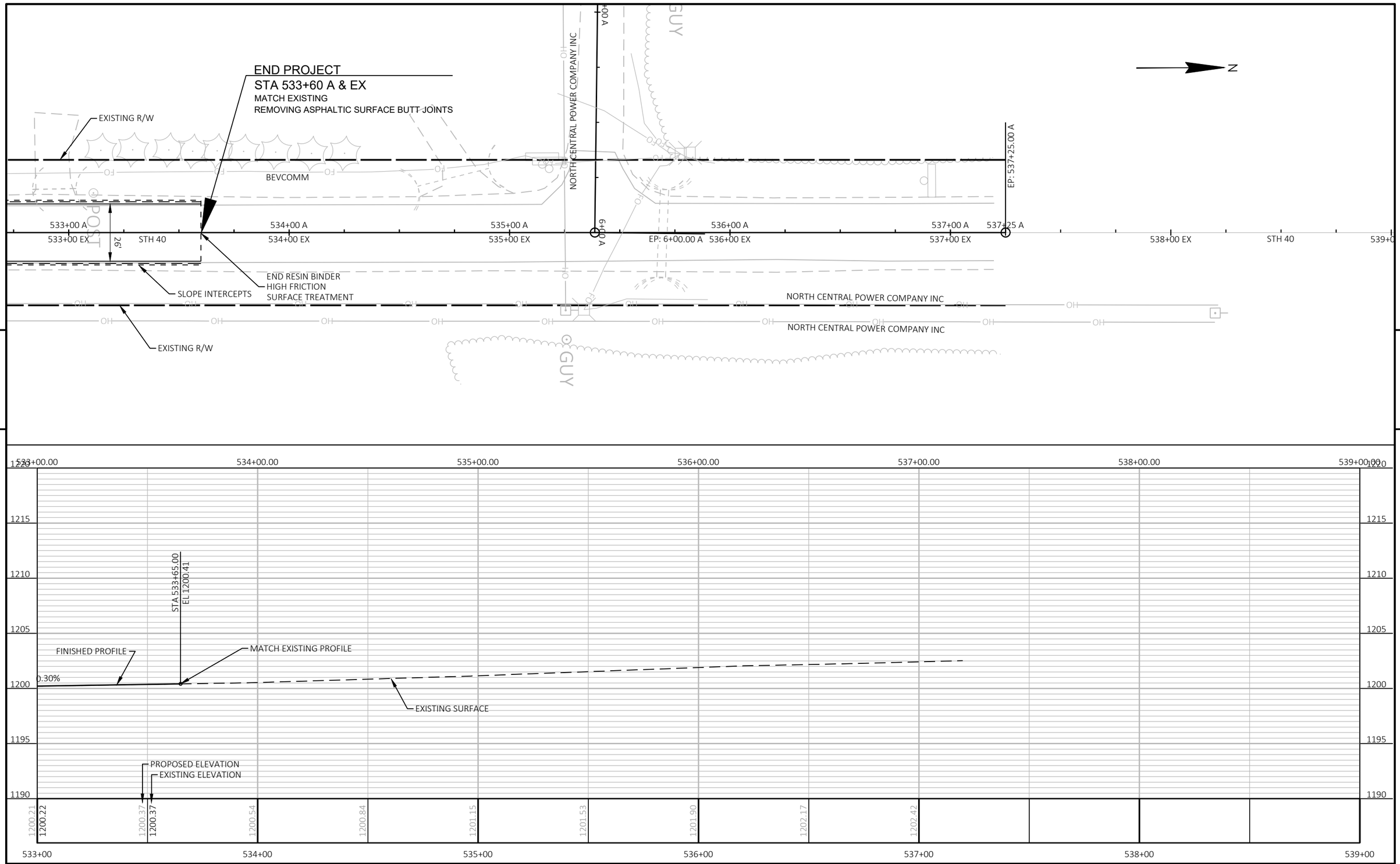
PROPOSED ELEVATION
EXISTING ELEVATION

VPI STA 531+55.00
VPI EL 1199.78

1198.59	1198.51	1198.51	1198.52	1198.56	1198.67	1199.02	1199.32	1199.59	1199.82	1200.04	1200.12	1200.21
1201.36	1201.21	1200.98	1200.73	1200.55	1200.40	1200.25	1200.10	1199.97	1199.92	1199.95	1200.07	1200.22

527+00 528+00 529+00 530+00 531+00 532+00 533+00

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PLOT	SHEET 53	E



5

5

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	PLAN AND PROFILE	SHEET 54	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\050101_PP.DWG
LAYOUT NAME - 09

PLOT DATE : 7/24/2026 3:12 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:40 FT

DETOUR LOCATION #1

SOUTH BRANCH TWIN CREEK

APPROXIMATE R/W

75'

1010

USH 8

1008

STA 1005+69, -28' LT
N: 563559.9006, E: 778873.3881

1006

APPROXIMATE R/W

PC: 1003+97.38

1004

STA 1006+58, 31' RT
N: 563562.2435, E: 778980.1169

APPROXIMATE RAILROAD PROPERTY

CLEARING

CLEARING

STA 1002+03, -75' LT
N: 563347.7961, E: 778565.8008

STA 1004+25, 75' RT
N: 563390.5385, E: 778829.4684

RAILROAD CROSSING
691255C

1002

APPROXIMATE RAILROAD PROPERTY

APPROXIMATE RAILROAD PROPERTY

50'

STA 999+88, -100' LT
N: 563218.4537, E: 778392.8473

STA 1002+82, 100' RT
N: 563275.3472, E: 778743.8095

CLEARING

CLEARING

WISCONSIN CENTRAL LTD

50'

1000

STA 998+54, -23' LT
N: 563070.3127, E: 778348.0203

APPROXIMATE RAILROAD PROPERTY

100'

JUMP RIVER ELECTRIC COOPERATIVE

APPROXIMATE R/W

998

STA 999+62, 55' RT
N: 563087.8437, E: 778480.9342

100'

996

USH 8

APPROXIMATE R/W

N

5

5

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR PLAN - TREE CLEARING LOCATIONS	SHEET 55	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\050102_PP.DWG
LAYOUT NAME - 01_RR

PLOT DATE : 7/24/2026 3:12 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

DETOUR LOCATION #2

N

5

5

APPROXIMATE RAILROAD PROPERTY

68.5'

81.5'

STA 631+03, -144' LT
N: 624569.9972, E: 783597.8262

NORTH CENTRAL POWER CO.

APPROXIMATE R/W

100'

CLEARING

STA 626+42, -100' LT
N: 624108.2438, E: 783633.6346

CLEARING

APPROXIMATE RAILROAD PROPERTY

STA 631+03, -75' LT
N: 624569.1264, E: 783666.4355

STA 631+45, -75' LT
N: 624610.8083, E: 783667.3045

75'

APPROXIMATE R/W

75'

STA 621+28, -12' LT
N: 623592.7833, E: 783712.5056

STA 628+54, -48' LT
N: 624319.0038, E: 783689.6376

OH

620 622 624 626 628 630 632 634

STH 40

STH 40

APPROXIMATE R/W

60'

STA 622+25, 61' RT
N: 623688.5046, E: 783787.1747

CLEARING

STA 620+31, 60' RT
N: 623494.7973, E: 783783.5170

WISCONSIN CENTRAL LTD

RAILROAD CROSSING
697329M

STA 630+47, 14' RT
N: 624511.1761, E: 783754.0314

CLEARING

STA 626+05, 75' RT
N: 624068.9144, E: 783808.0778

APPROXIMATE R/W

75'

43.5'

APPROXIMATE RAILROAD PROPERTY

APPROXIMATE RAILROAD PROPERTY

56.5'

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR PLAN - TREE CLEARING LOCATIONS	SHEET 56	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\050102_PP.DWG
LAYOUT NAME - 02_RR

PLOT DATE : 7/24/2026 3:12 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:100 FT

DETOUR LOCATION #3

N

WETLAND

STH 40

128

80'

60'

STA 127+43, 22' RT
N: 560237.9363, E: 765590.0874

STA 127+68, -22' LT
N: 560256.2787, E: 765542.5495

APPROXIMATE R/W

CLEARING

APPROXIMATE R/W

PC: 126+12.06

126

APPROXIMATE RAILROAD PROPERTY

50'

50'

STA 124+74, 59' RT
N: 559986.1393, E: 765685.1384

CLEARING

STA 124+95, -81' LT
N: 559974.0227, E: 765542.0562

STA 124+69, -71' LT
N: 559951.3689, E: 765557.8711

APPROXIMATE RAILROAD PROPERTY

APPROXIMATE RAILROAD PROPERTY

STA 124+15, 59' RT
N: 559928.2761, E: 765697.1689

STA 123+98, 280' RT
N: 559962.8292, E: 765915.4772

CLEARING

STA 123+28, 210' RT
N: 559878.2708, E: 765864.0007

124

50'

WISCONSIN CENTRAL LTD

50'

APPROXIMATE RAILROAD PROPERTY

60'

80'

STA 121+71, 55' RT
N: 559689.7850, E: 765749.0499

122

STATE OF WISCONSIN
1704 N 4TH STREET
SUPERIOR, WI 54880

APPROXIMATE R/W

70'

612'

APPROXIMATE R/W

OHL

508

506

504

USH 8

STA 120+30, 55' RT
N: 559552.7224, E: 765781.9296

70'

120

STH 40

502

612'

BP: 495+70.00

BP: 119+49.26

500

498

USH 8

OHL

XCEL ENERGY

5

5

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	DETOUR PLAN - TREE CLEARING LOCATIONS	SHEET 57	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\050102_PP.DWG
LAYOUT NAME - 03_RR

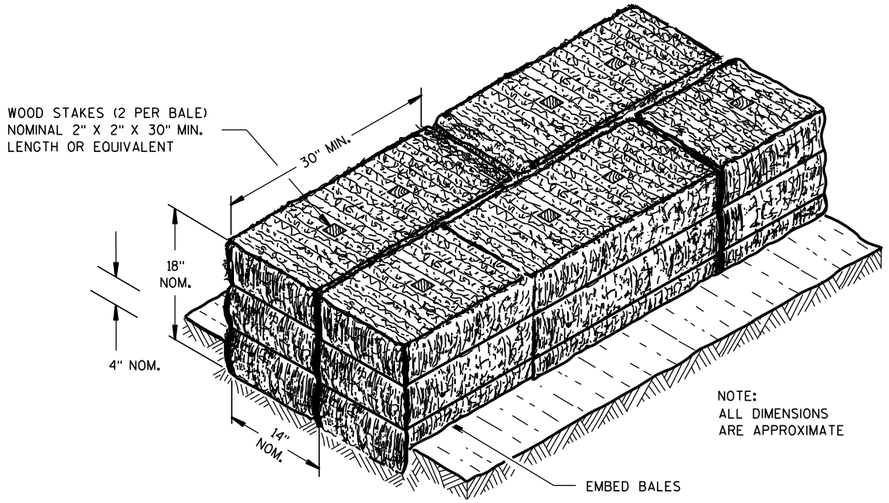
PLOT DATE : 7/24/2026 3:12 PM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

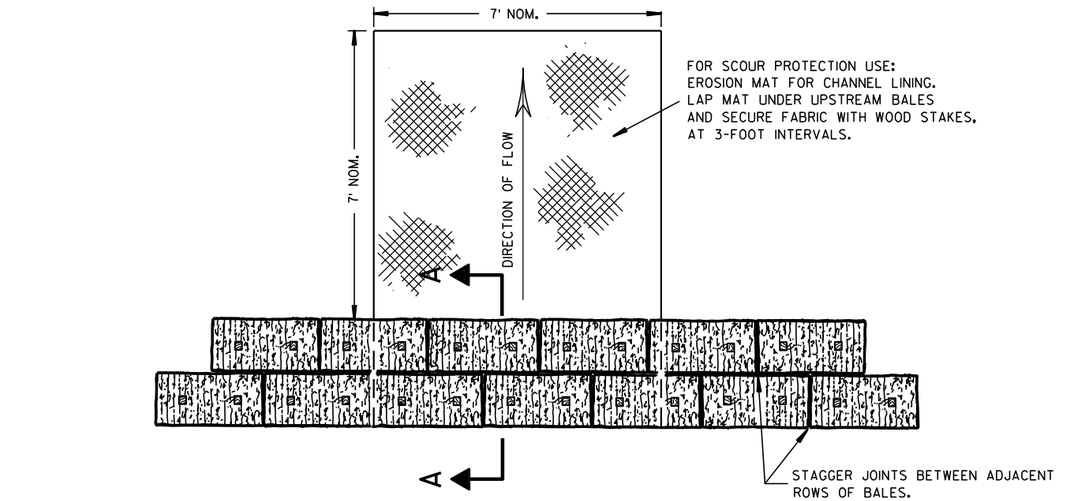
Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
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
08F10-02	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE
13A10-03A	SHOULDER RUMBLE STRIPS ASPHALT
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A10-03H	SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14D01-01	TURTLE EXCLUSION FENCE CLIMBING TURTLE
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
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-11A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15D39-03	TRAFFIC CONTROL, DROP-OFF SIGNING
15D51-02	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

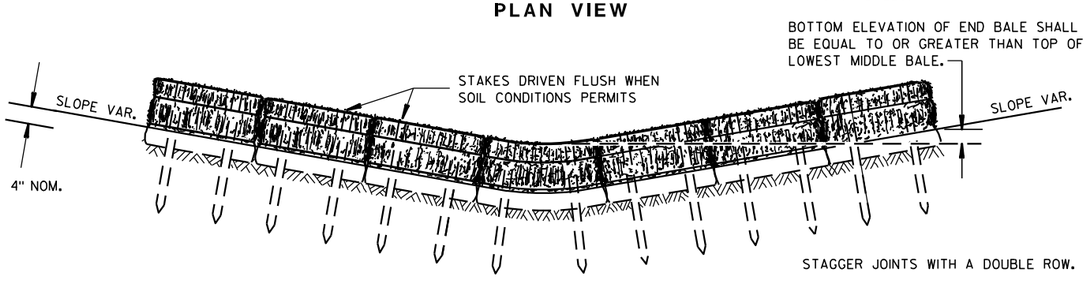
6



SECTION A-A



PLAN VIEW



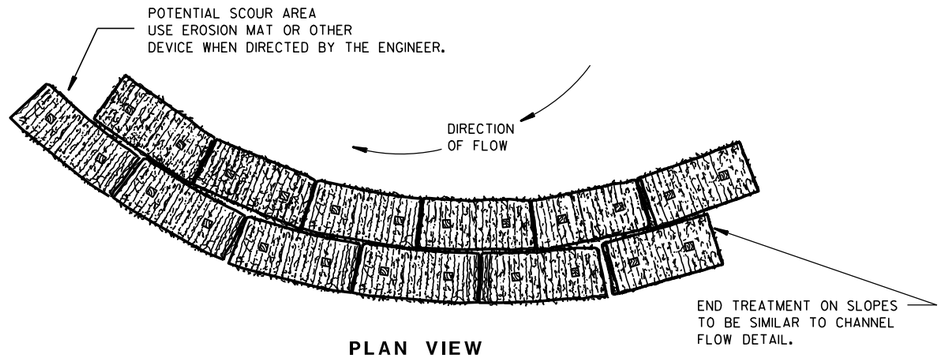
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

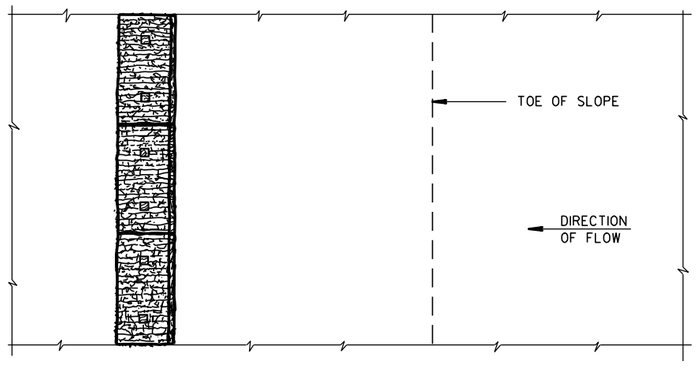
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

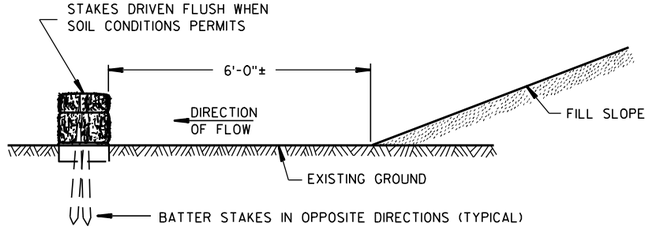


PLAN VIEW

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

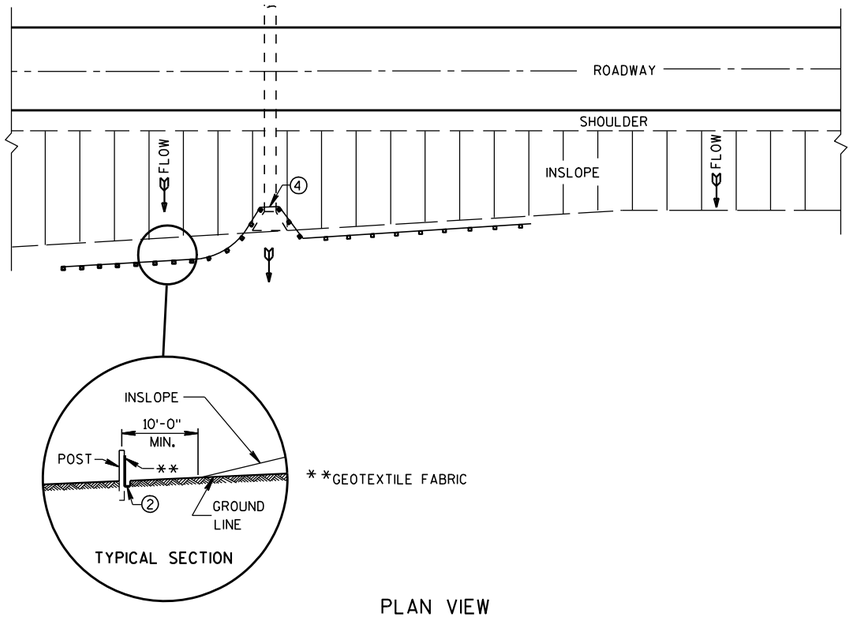
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

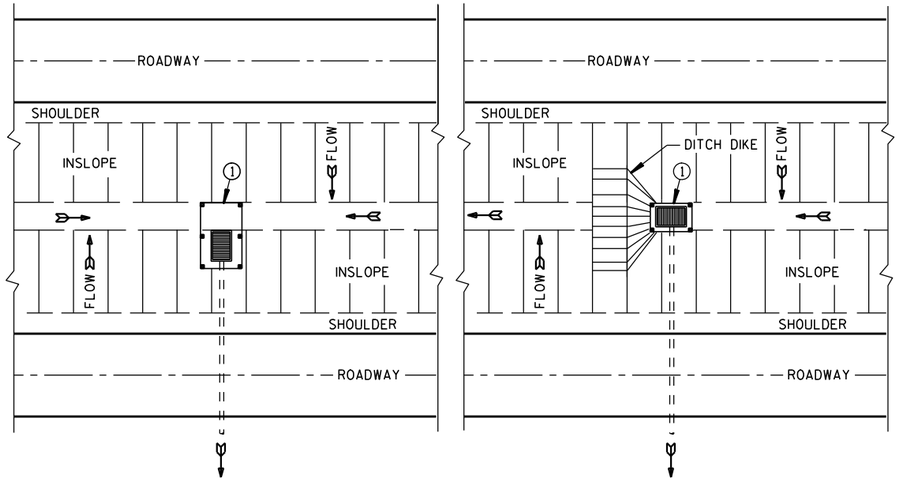
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

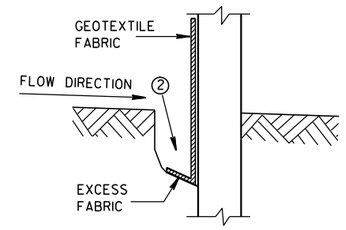
(1) HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

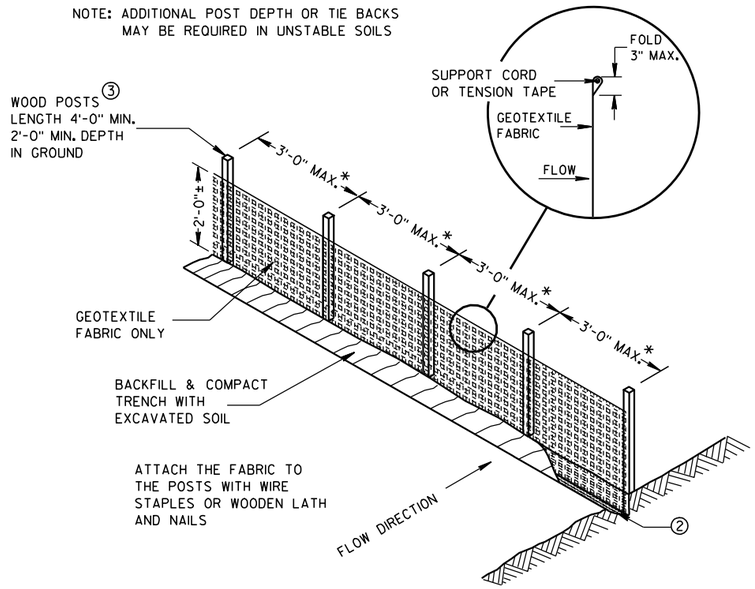
(3) WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

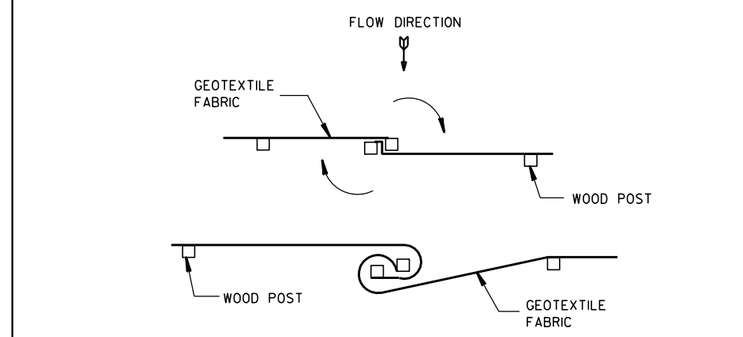
(5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



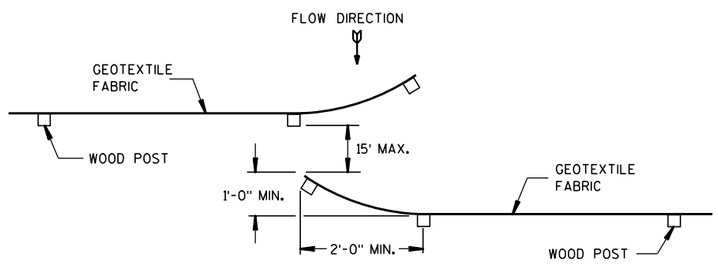
TRENCH DETAIL



SILT FENCE

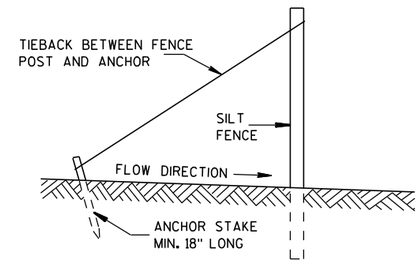


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

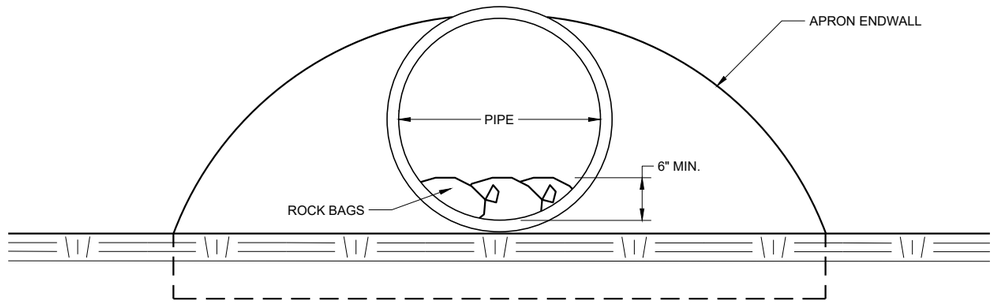
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

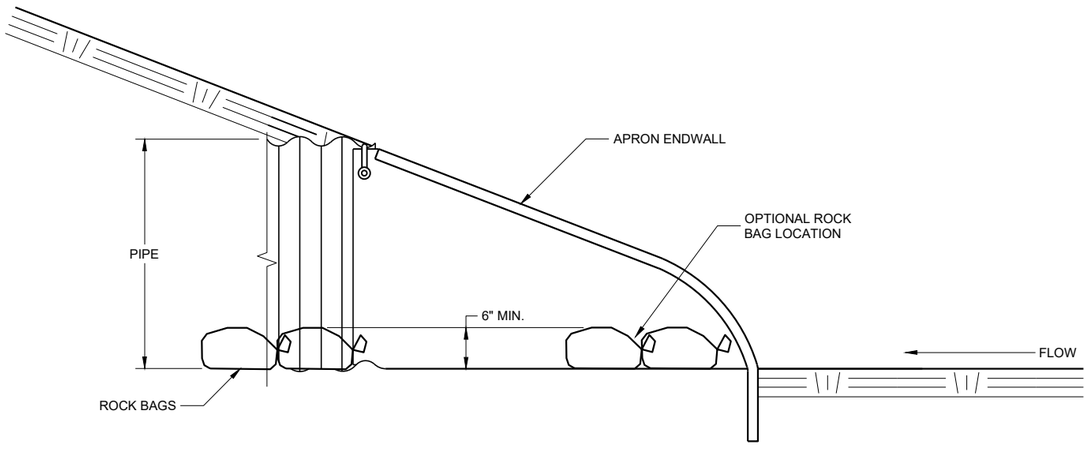
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6



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

6

SDD 08E15 - 01

METAL APRON ENDWALLS

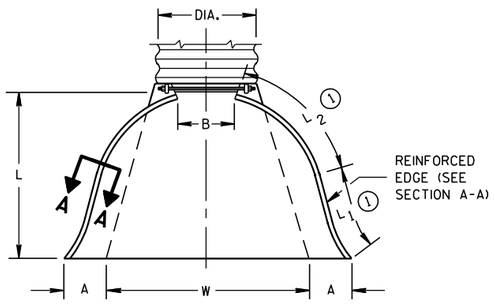
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

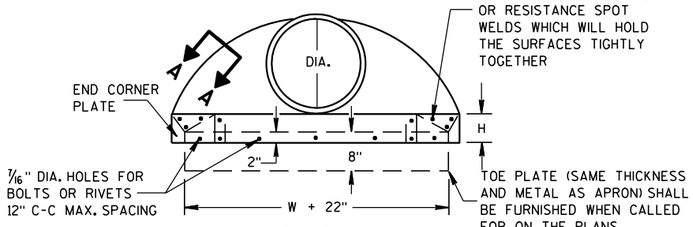
REINFORCED CONCRETE APRON ENDWALLS

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

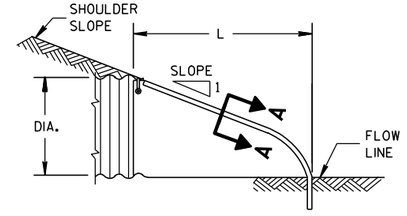
*MINIMUM
**MAXIMUM



PLAN VIEW

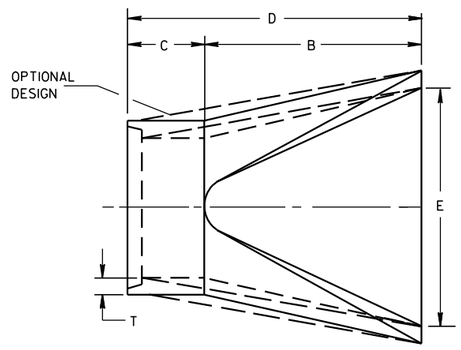


END VIEW

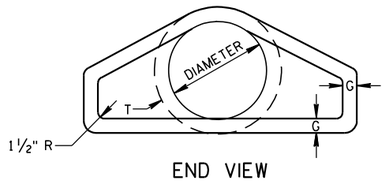


SIDE ELEVATION

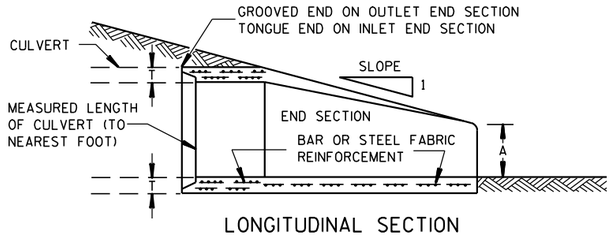
METAL ENDWALLS



PLAN

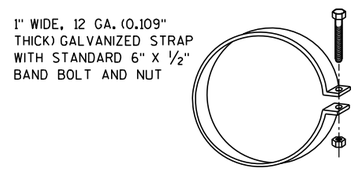


END VIEW



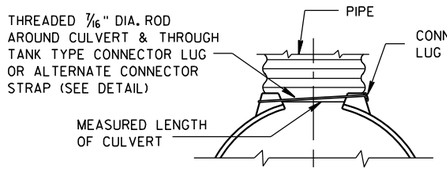
LONGITUDINAL SECTION

CONCRETE ENDWALLS

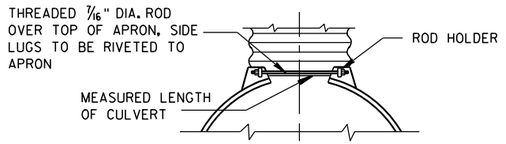


ALTERNATE FOR TYPE 1 CONNECTION

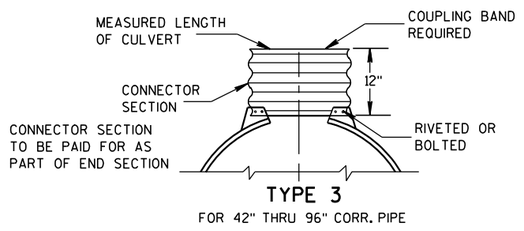
END SECTION CONNECTOR STRAP



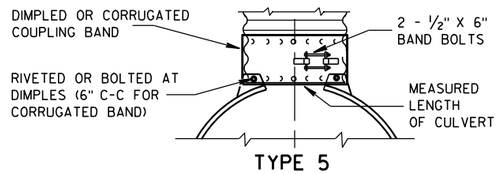
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

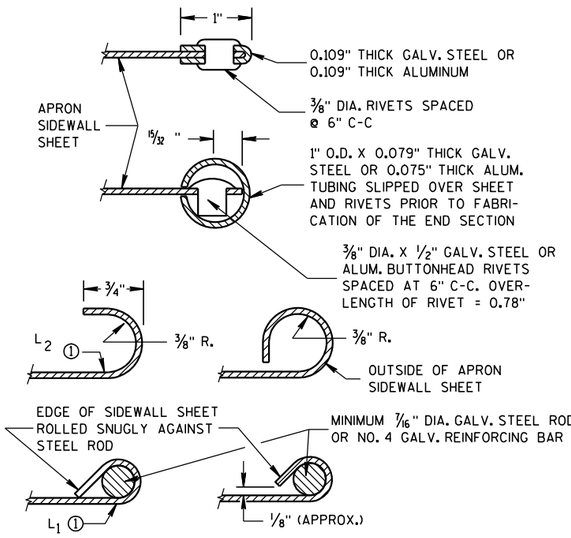
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

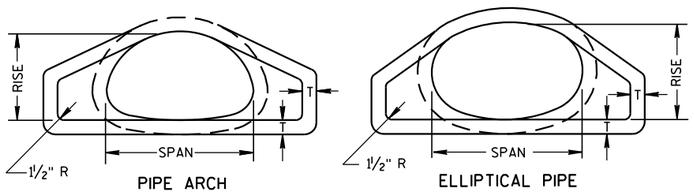
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

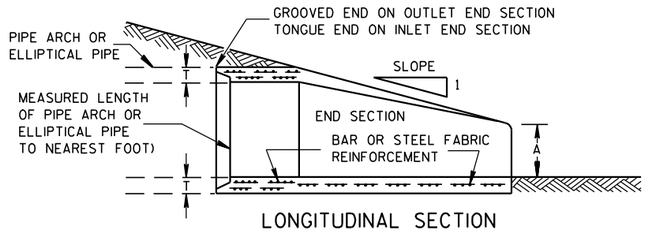
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

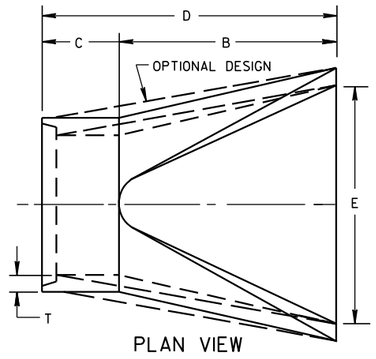
S.D.D. 8 F 1-11



END VIEW

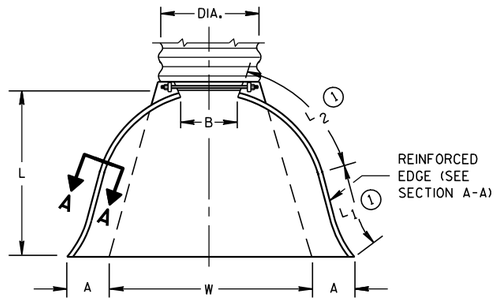


LONGITUDINAL SECTION

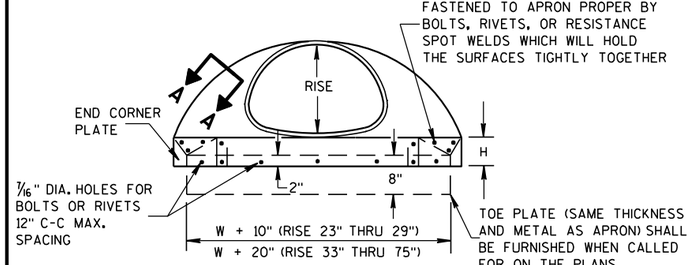


PLAN VIEW

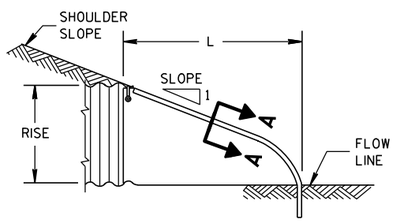
CONCRETE ENDWALLS



PLAN VIEW

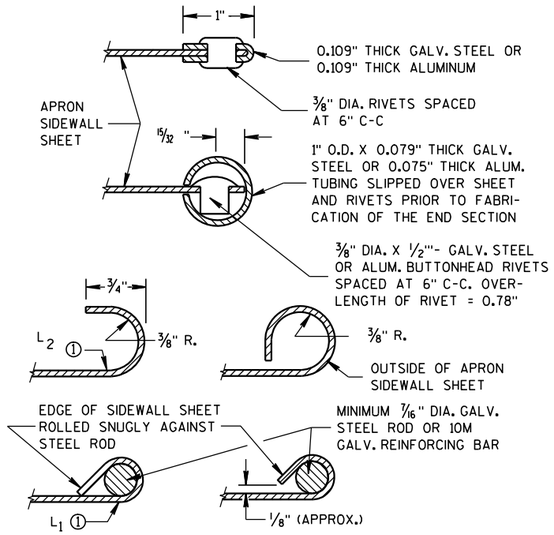


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

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

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

3" X 1" CORRUGATIONS

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

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

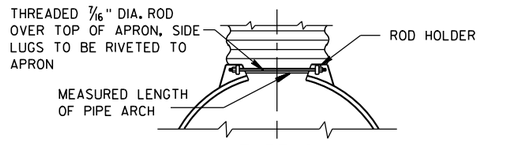
REINFORCED CONCRETE PIPE ARCH

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

REINFORCED CONCRETE ELLIPTICAL PIPE

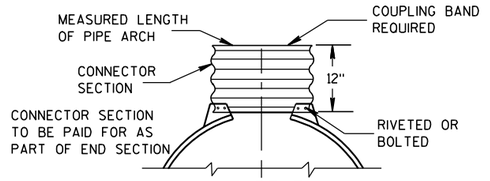
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



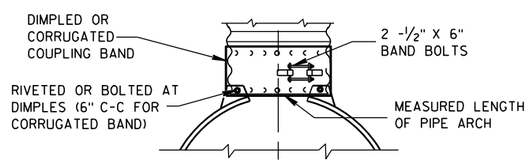
TYPE 2

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



TYPE 3

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



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

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

CONNECTION DETAILS

GENERAL NOTES

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

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

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

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

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

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

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

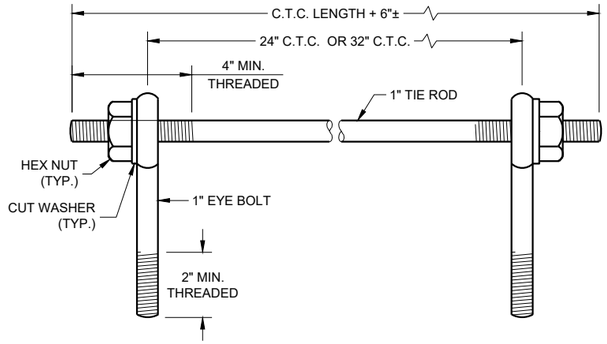
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

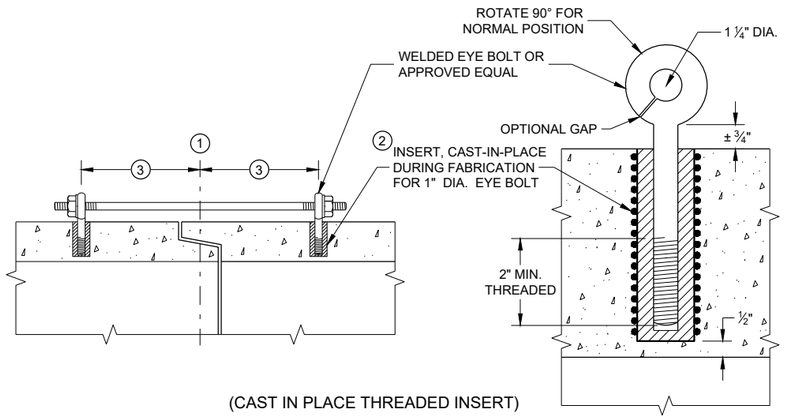
11/30/94 — DATE

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

FHWA



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

(1) 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.

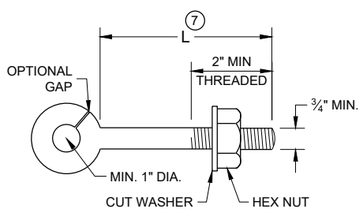
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

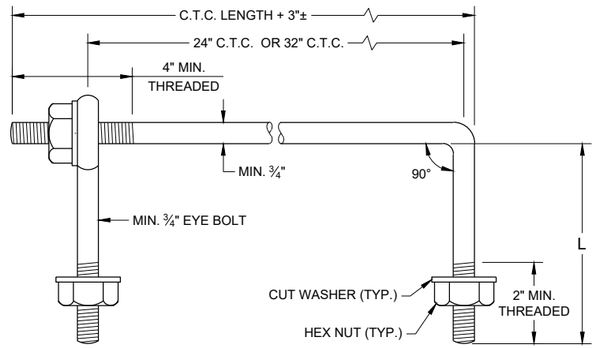
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

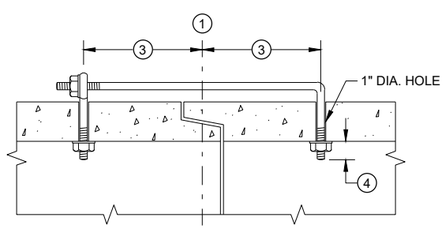


EYE BOLT (7)

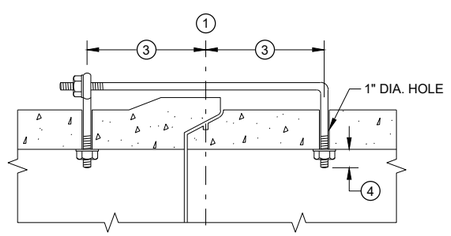
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

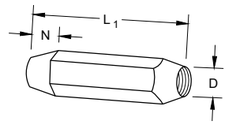
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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



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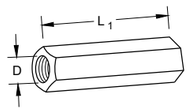
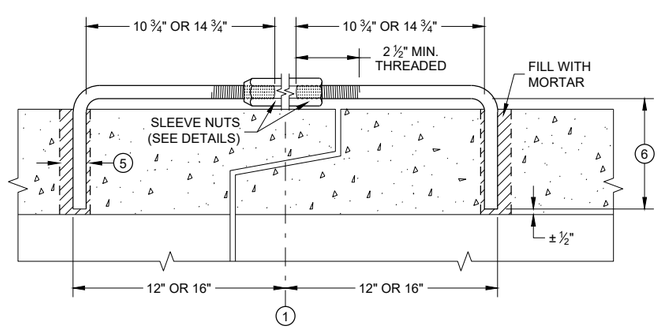


PLAIN

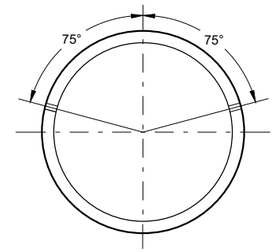
RIGHT AND LEFT THREADS

SLEEVE NUTS



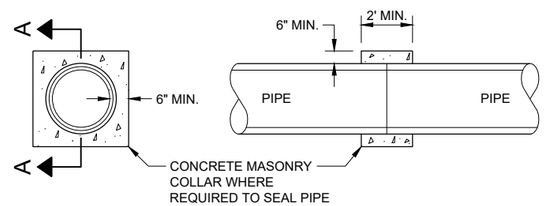
LONGITUDINAL SECTION

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

GENERAL NOTES

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

FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2' - 0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3' - 0"

(3) LIMITS OF TRENCH BACKFILL

(4) LIMITS OF FOUNDATION BACKFILL

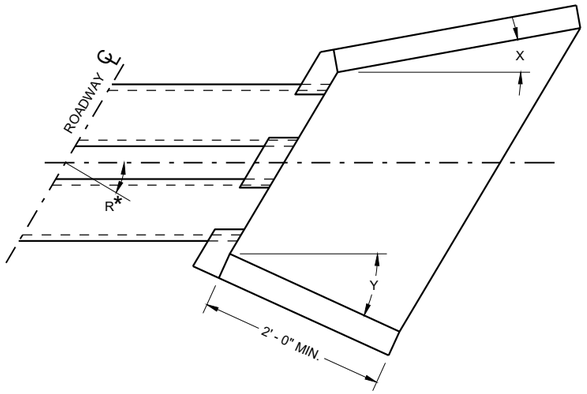
(5) FOUNDATION AND TRENCH BACKFILL ARE MATERIALS INCLUDED IN PAYMENT FOR CULVERT PIPE, PIPE ARCH, CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPSE OR CONCRETE MASONRY ENDWALLS.

(6) DO NOT PLACE FOUNDATION BACK FILL OR ANY OTHER GRANULAR BACKFILL AROUND OR BELOW CUT OFF WALL. POUR CUT OFF WALL AGAINST NATIVE SOIL

(7) MINIMUM HEIGHT SHALL BE THE GREATER OF 1'- 0" OR ¼ HEIGHT OF CULVERT PIPE.

TRENCH BACKFILL

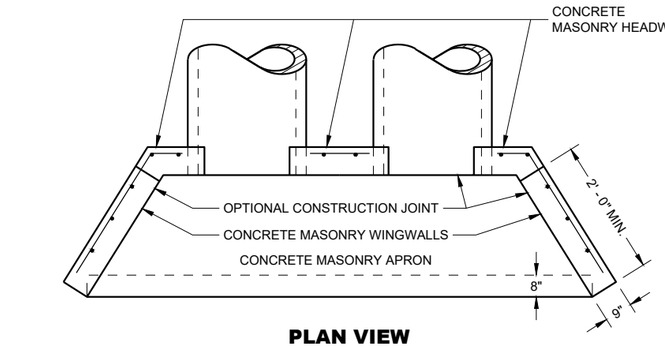
FOUNDATION BACKFILL



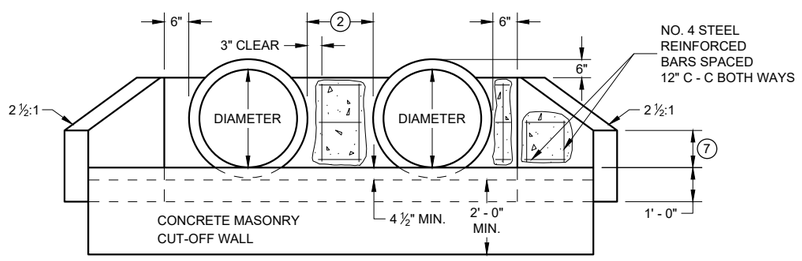
WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	30°	16 - 45°	10°	15°
23 - 37°	20°	30°	46 - 75°	5°	15°
38 - 52°	15°	30°	OVER 75°	0°	15°
53 - 67°	10°	30°			
68 - 82°	5°	30°			
OVER 82°	0°	30°			

R* = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

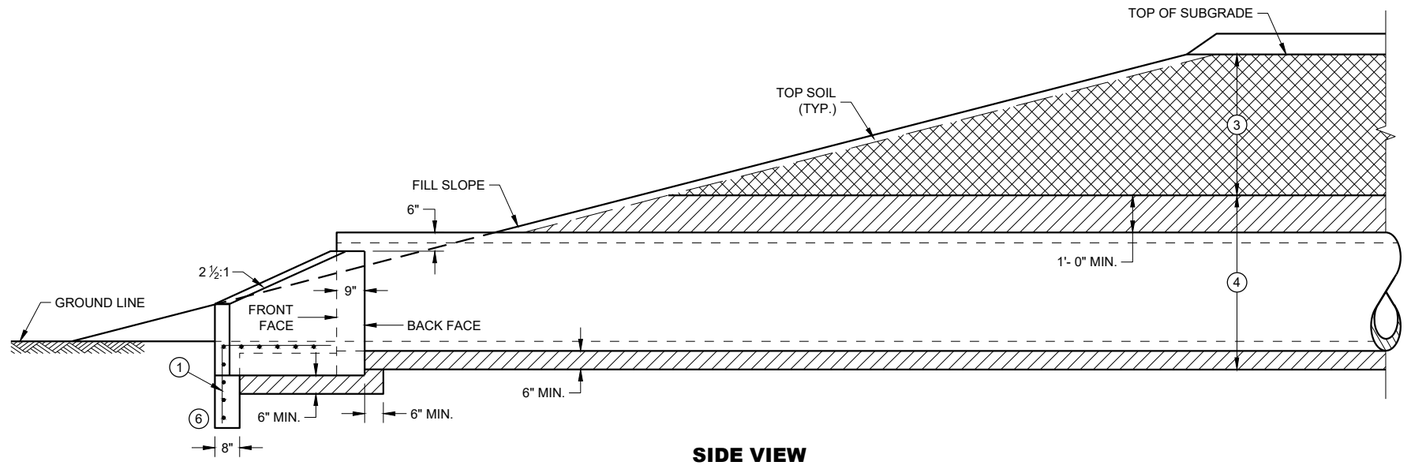


PLAN VIEW



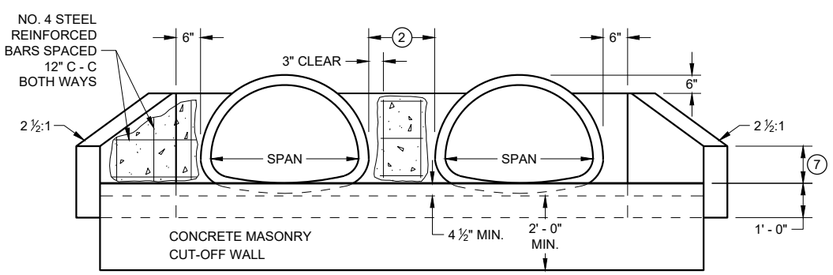
END VIEW

CIRCULAR PIPE



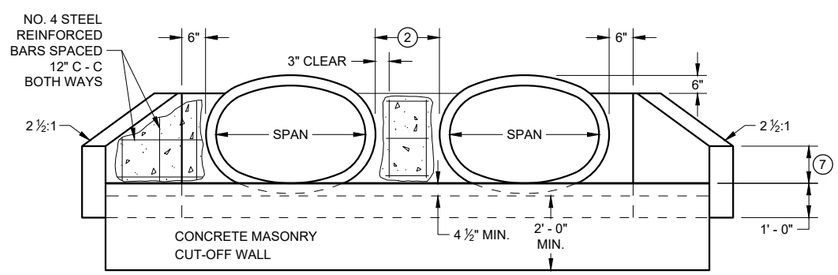
SIDE VIEW

CIRCULAR PIPE, PIPE ARCH OR HORIZONTAL ELLIPSE



END VIEW

PIPE ARCH



END VIEW

HORIZONTAL ELLIPSE

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

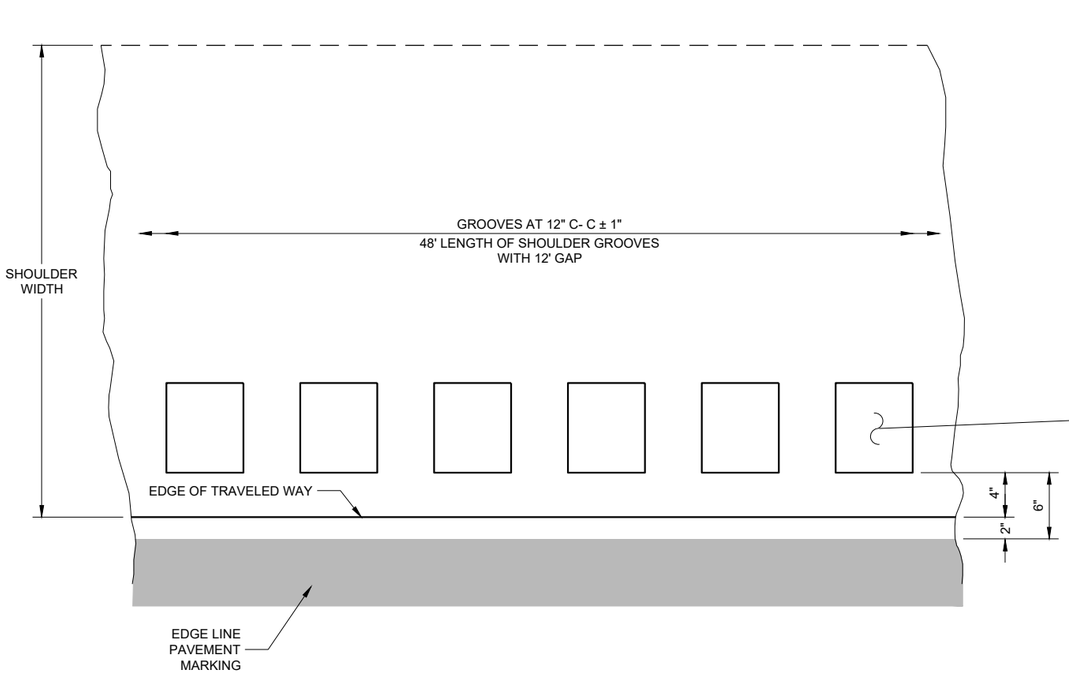
May 2022
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

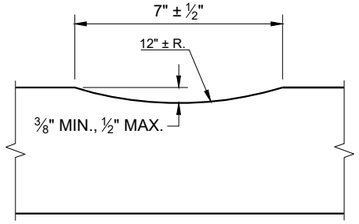
FHWA

6

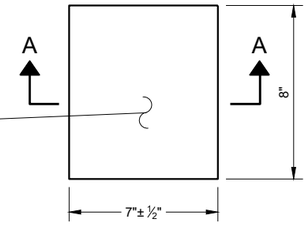
SDD 08F10 - 02



PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A

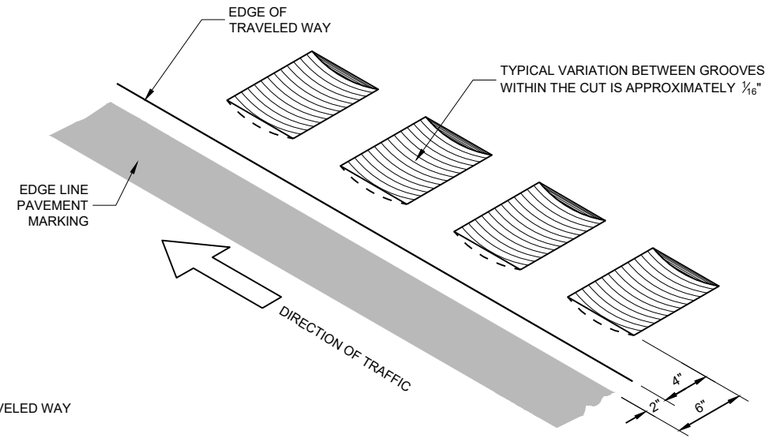


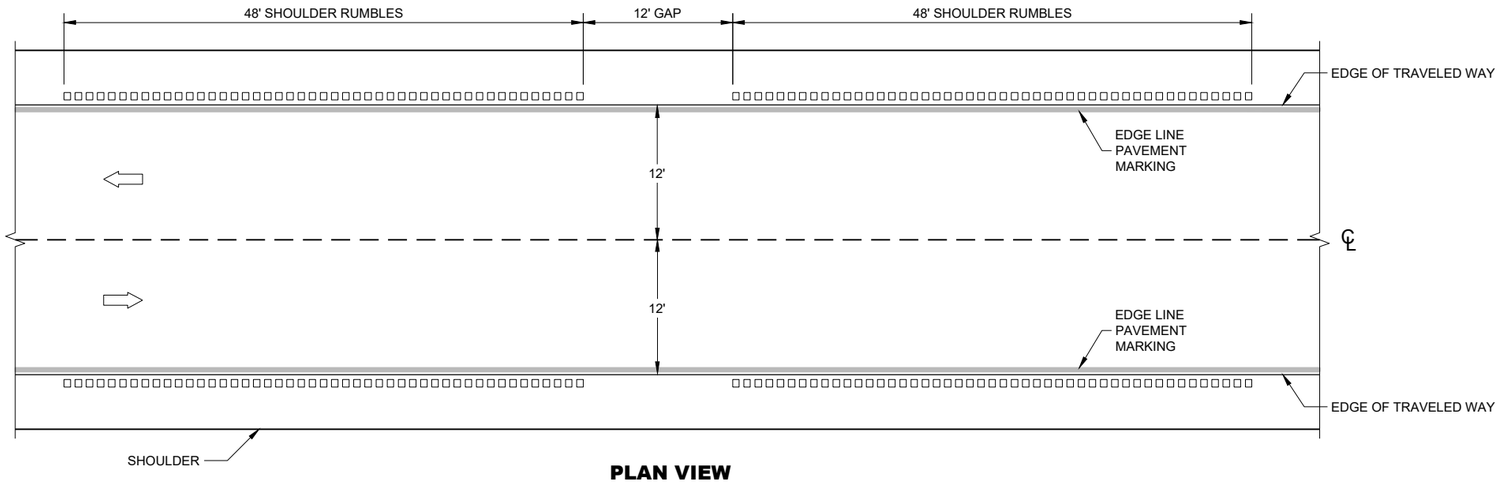
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A10 SHEETS "g" AND "h".

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





PLAN VIEW

SHOULDER RUMBLE STRIPS - ASPHALT

6

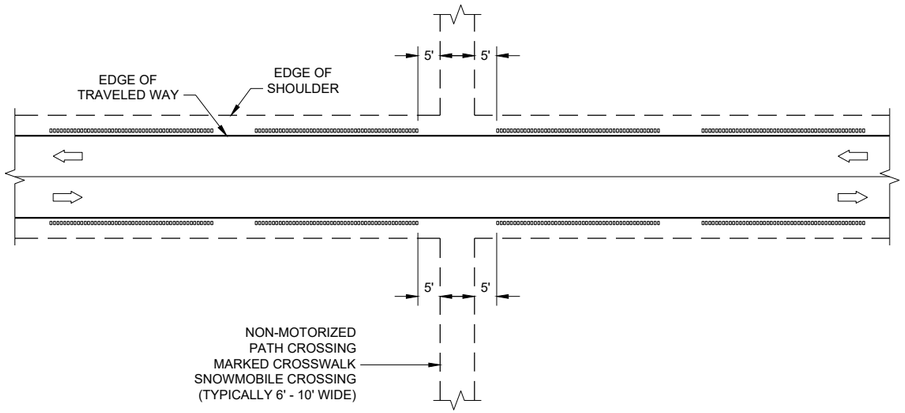
SDD 13A10 - 03a

SHOULDER RUMBLE STRIPS ASPHALT

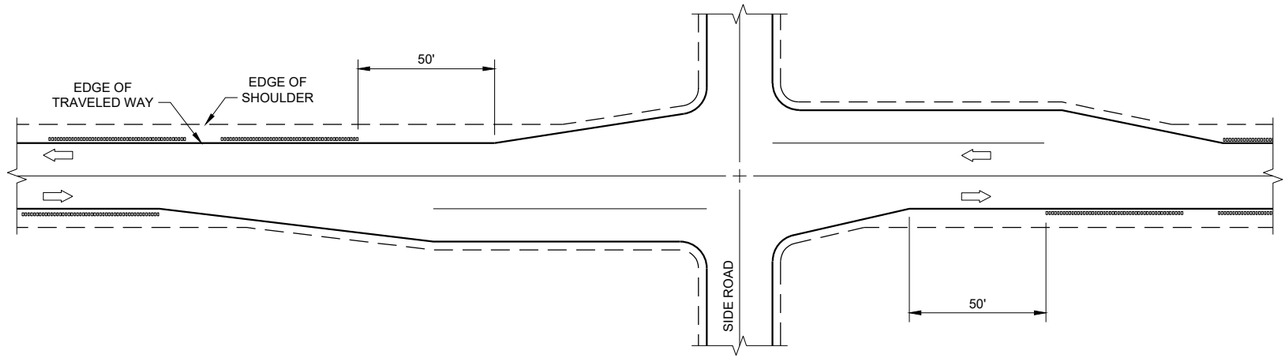
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

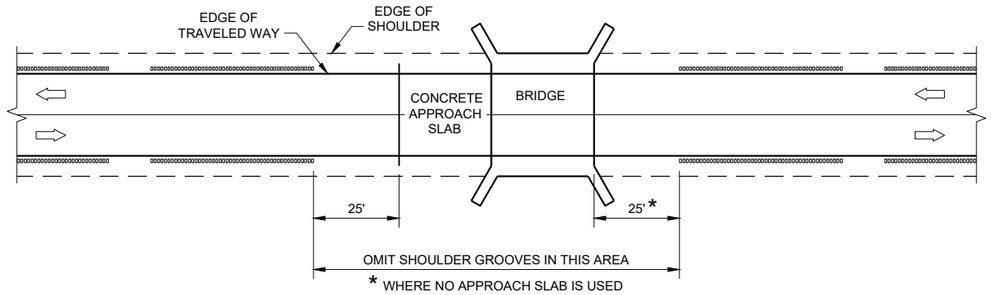
SDD 13A10 - 03a



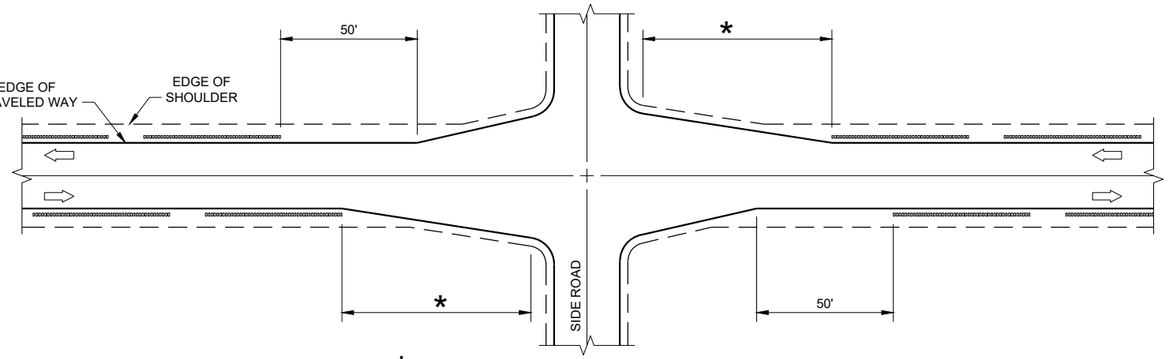
GROOVES AT MISCELLANEOUS CROSSINGS



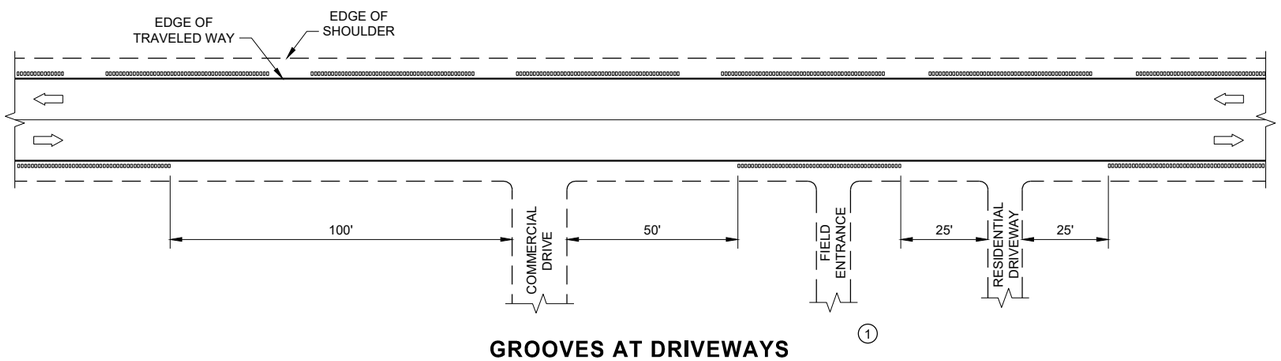
GROOVES AT RIGHT TURN LANE



GROOVES AT BRIDGES



GROOVES AT INTERSECTIONS WITH APPROACH TAPER



GROOVES AT DRIVEWAYS ①

GENERAL NOTES

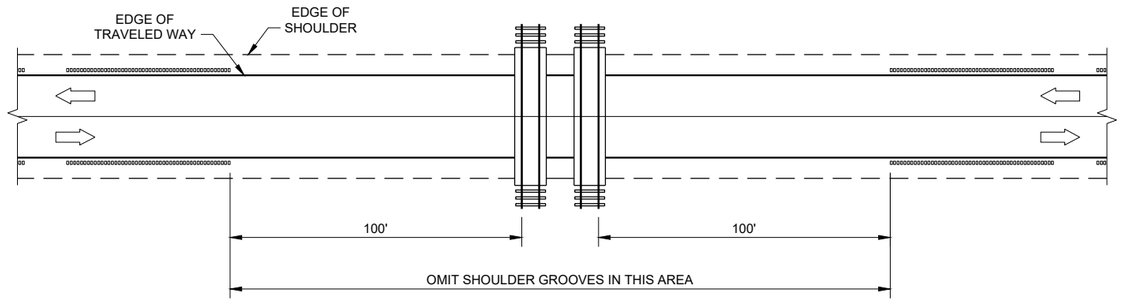
① SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

SHOULDER AND EDGE LINE RUMBLE STRIPS CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS

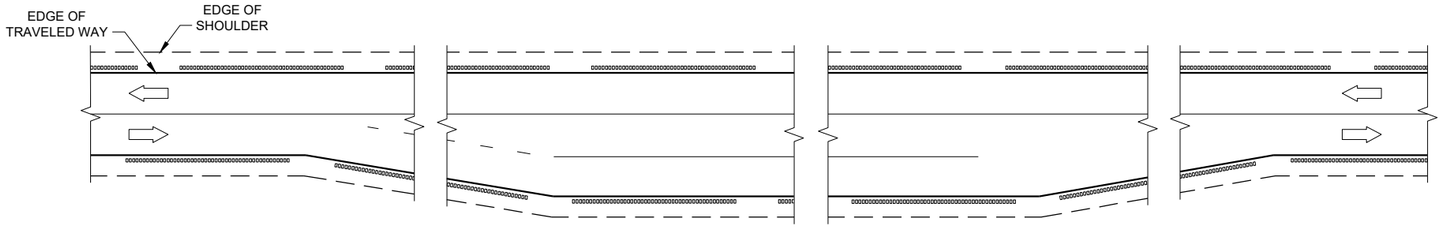
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

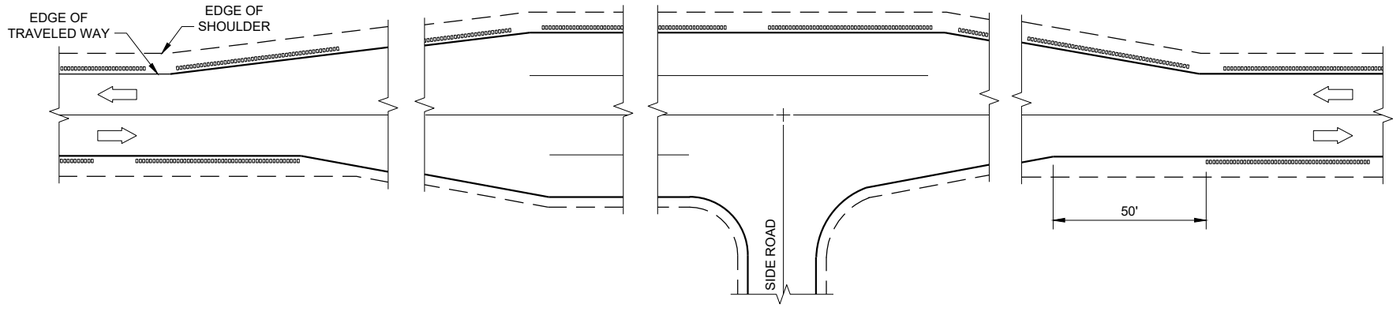
SDD 13A10 - 03g



GROOVES AT RAILROADS



GROOVES AT PASSING AND CLIMBING LANES



GROOVES AT BYPASS LANES

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SDD 13A10 - 03h

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SDD13A10 - 03h

SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

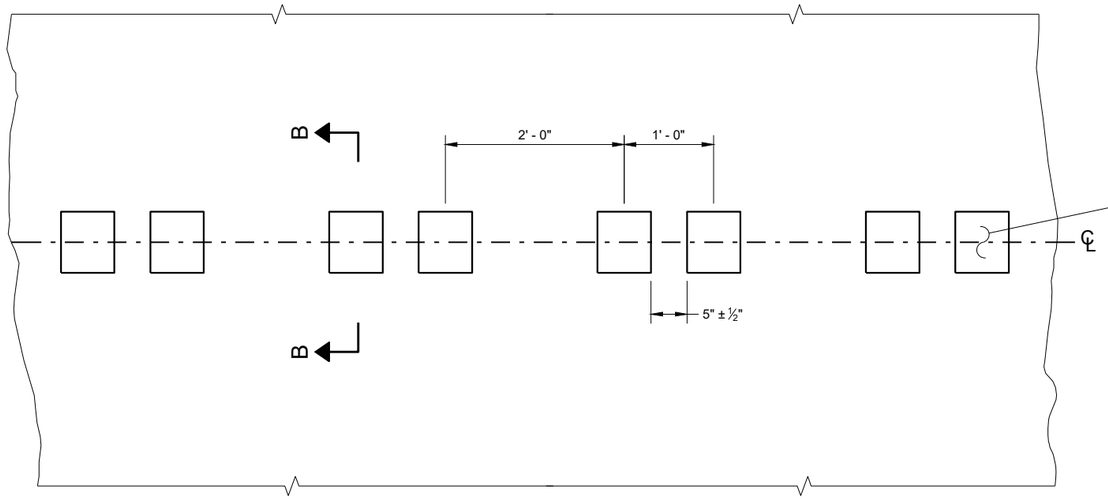
/S/ John Jenkins
ROADWAY STANDARDS DEVE ENGINEER

FHWA

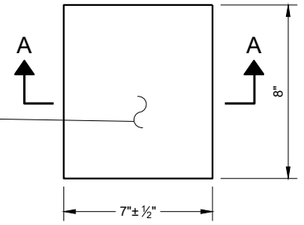
GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

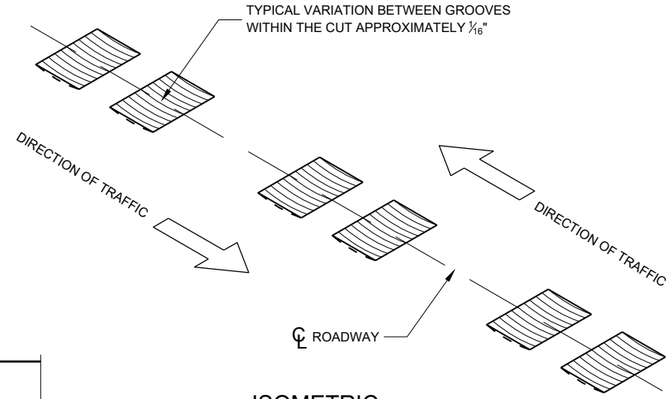
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



PLAN DETAIL VIEW



PLAN VIEW
(SINGLE GROOVE)



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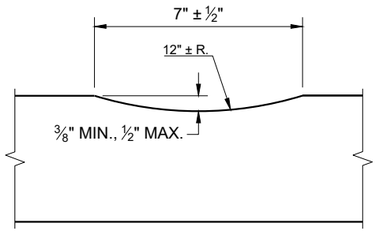
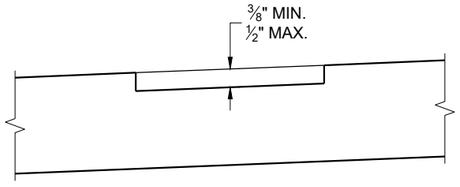
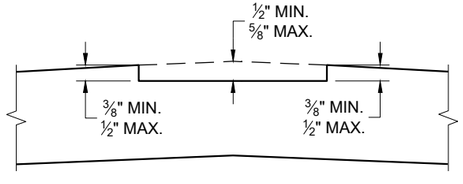


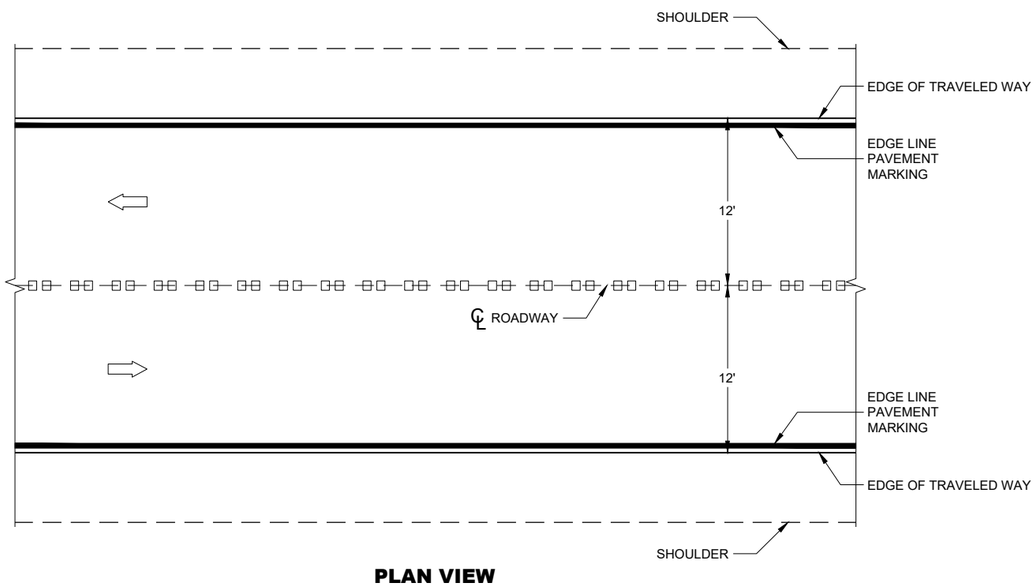
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

CENTERLINE RUMBLE STRIPS - ASPHALT

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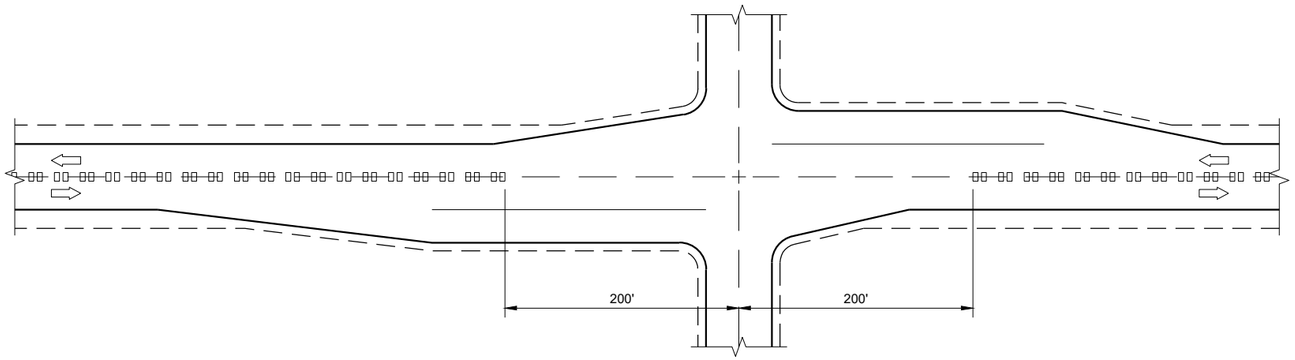
SDD 13A11 - 04a

CENTERLINE RUMBLE STRIPS - ASPHALT

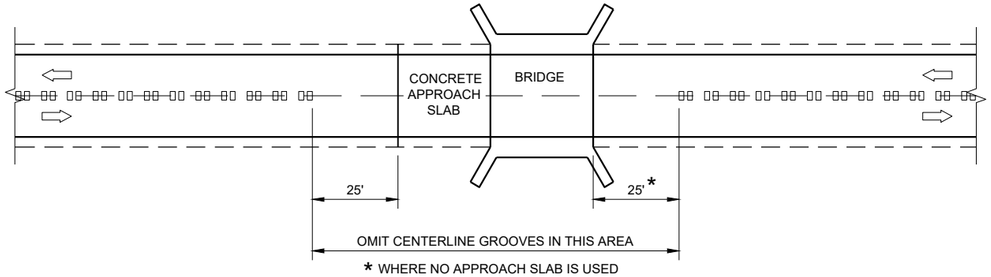
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



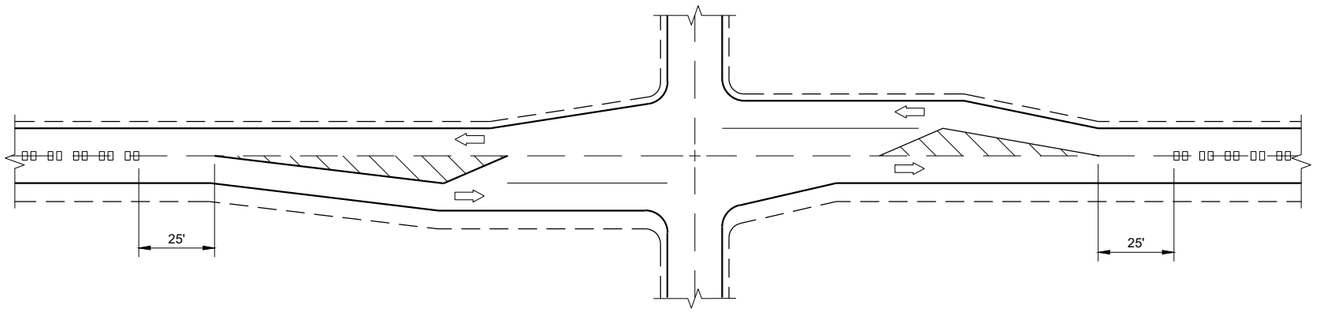
CENTERLINE GROOVES AT INTERSECTIONS

GENERAL NOTES

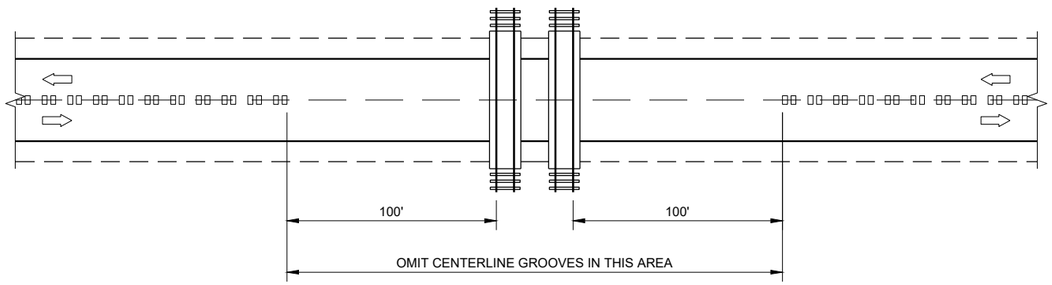
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



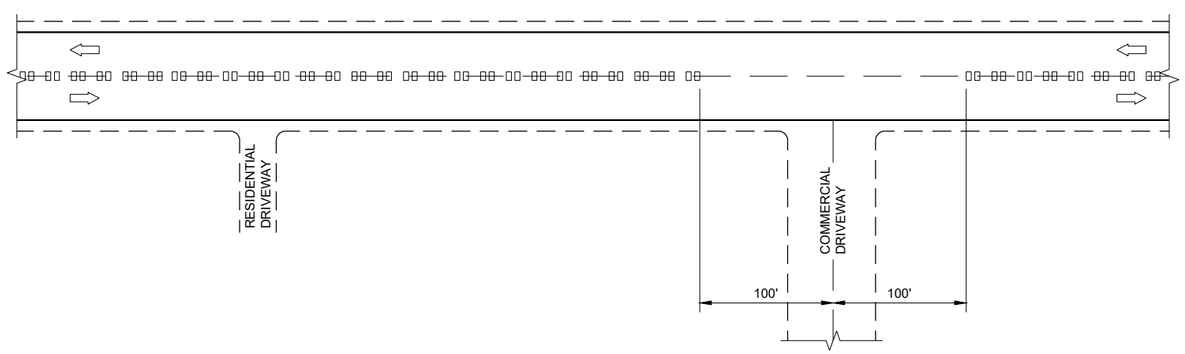
CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



CENTERLINE GROOVES AT RAILROADS



CENTERLINE GROOVES AT DRIVEWAYS (1)

CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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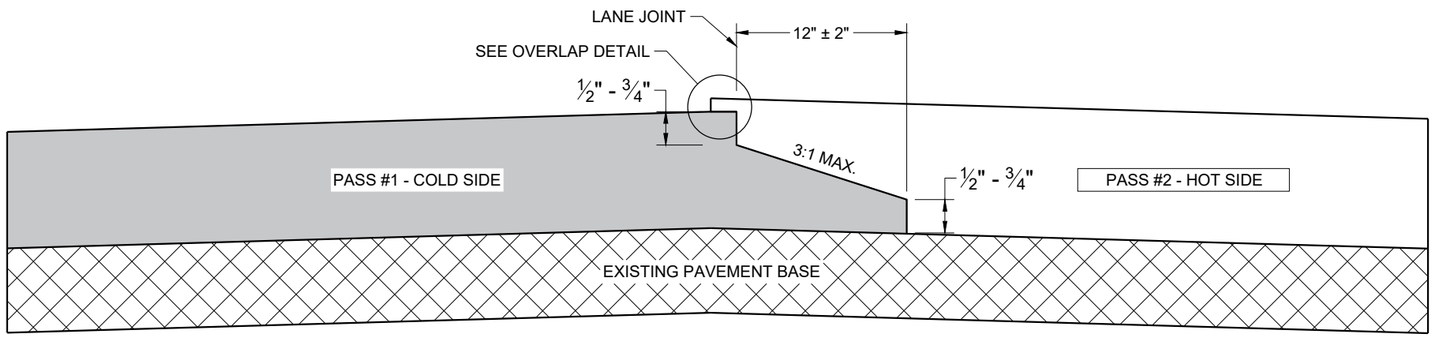
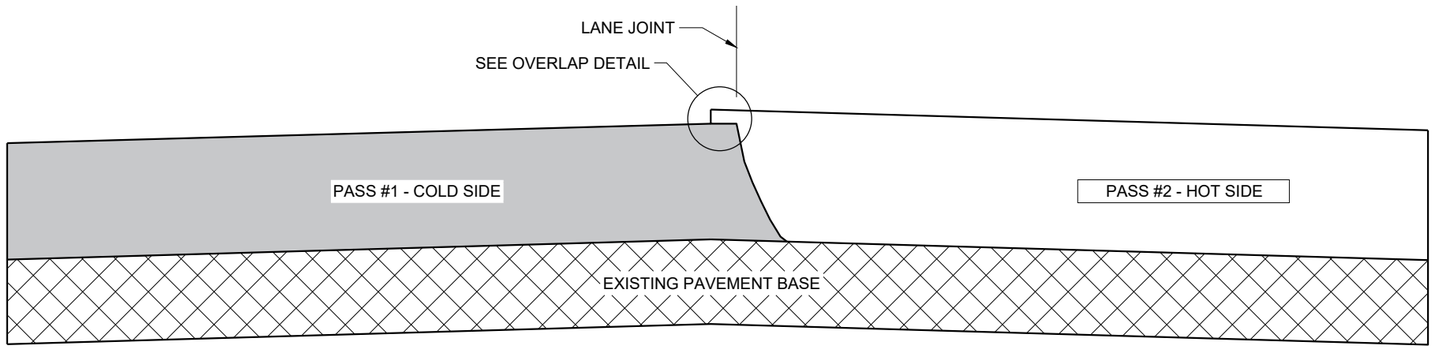
SDD 13A11 - 04d

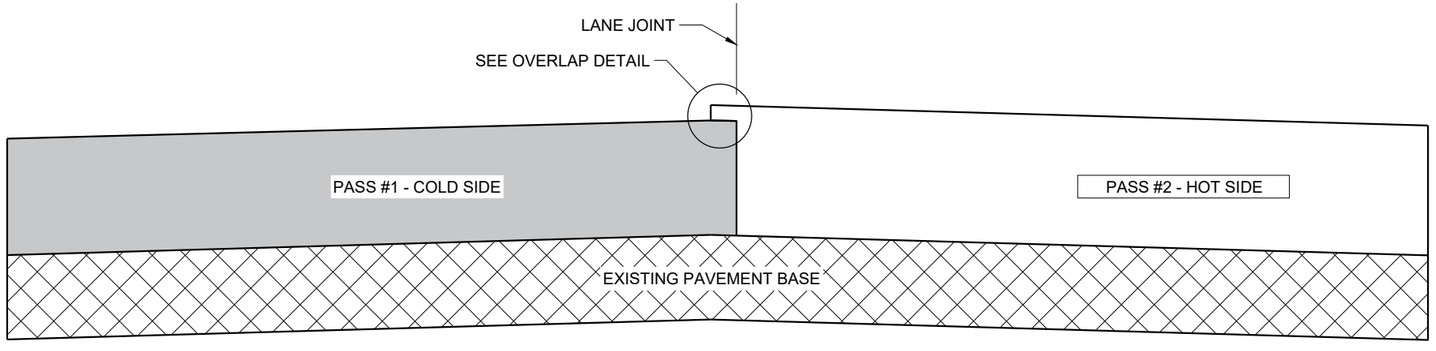
SDD 13A11 - 04d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

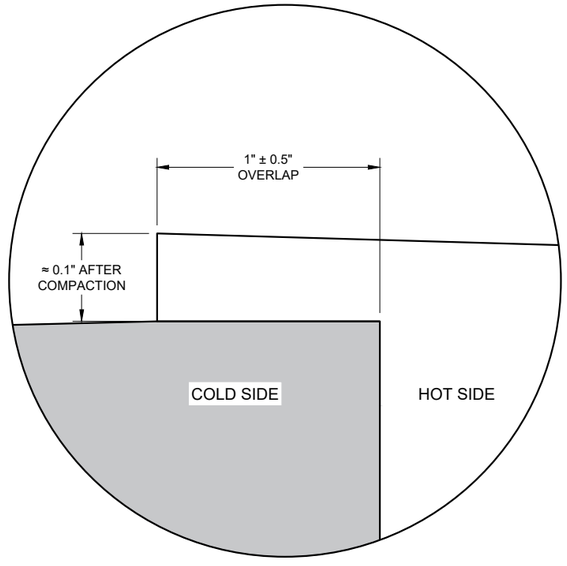
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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)

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SDD 13C19 - 03

SDD 13C19 - 03

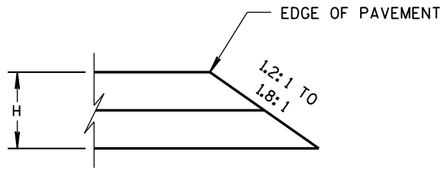
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

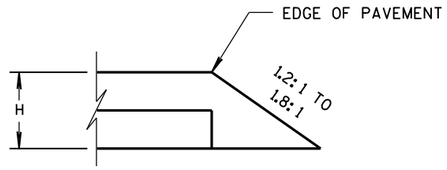
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



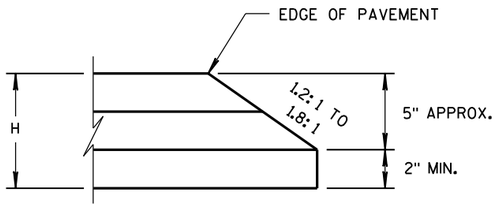
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



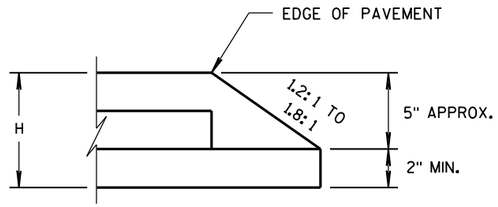
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

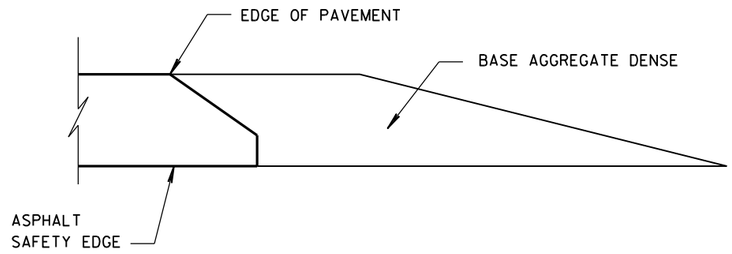
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

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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

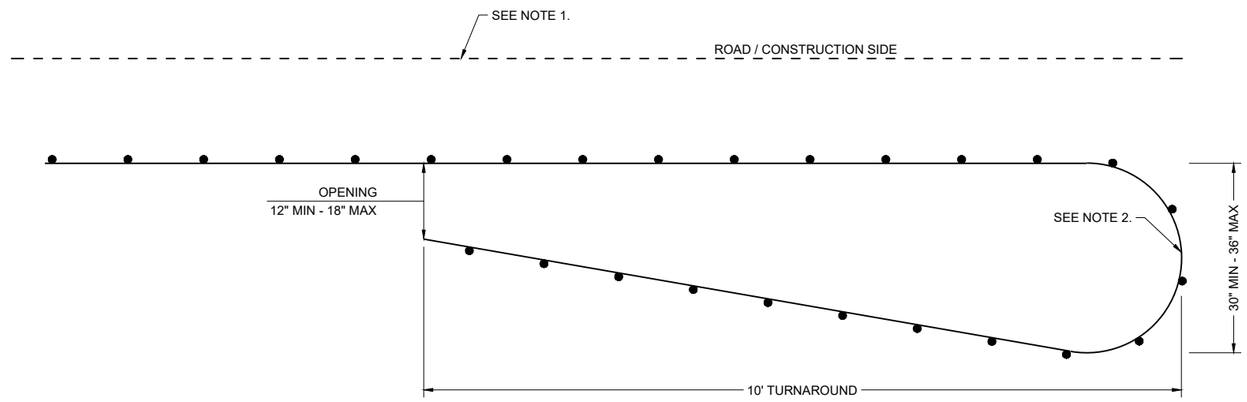
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

GENERAL NOTES:

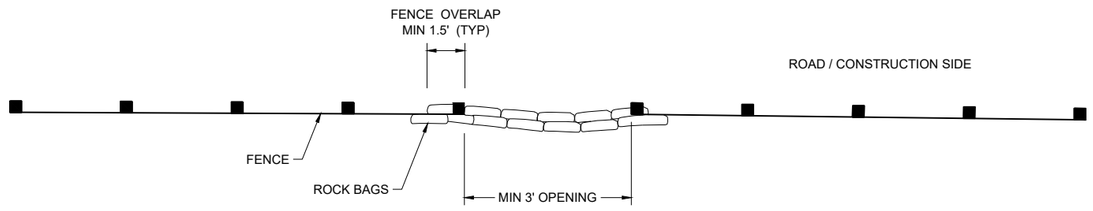
1. WHERE SILT FENCE IS REQUIRED, IT SHALL BE PLACED ON THE CONSTRUCTION SIDE OF THE EXCLUSION FENCING, OR COMBINED WITH THE EXCLUSION FENCING AS ALLOWED IN THE SPECIFICATIONS. STAKES ON THIS DETAIL ARE OPPOSITE OF STANDARD SILT FENCE FOR SEDIMENT CONTROL.
2. PLACE TURNAROUNDS AT ALL TERMINI ENDS OF THE EXCLUSION FENCING.
3. IF TEMPORARY ACCESS POINTS ARE NEEDED DURING CONSTRUCTION THAT REQUIRE OPENINGS IN THE EXCLUSION FENCING, ACCESS OPENINGS SHOULD BE TIGHTLY SECURED WITH BALES OF HAY OR STRAW WHENEVER CONSTRUCTION RELATED ACTIVITIES ARE NOT OCCURRING. REINSTALL EXCLUSION FENCING WHEN THE WORK REQUIRING THE TEMPORARY ACCESS OPENING IS COMPLETED.
4. THE FENCE CAP MAY BE A 6" UNDER DRAIN PIPE, SLIT DOWN THE CENTER AND PLACED OVER THE FENCE. COMMERCIALLY AVAILABLE SAFETY CAPS WITH A LIP MAY BE USED. OTHER DNR APPROVED METHODS TO PREVENT TURTLES FROM PASSING OVER THE TOP OF THE FENCE MAY BE USED.

   SECURELY FASTEN THE CAP TO PREVENT IT FROM BEING DISLODGED.

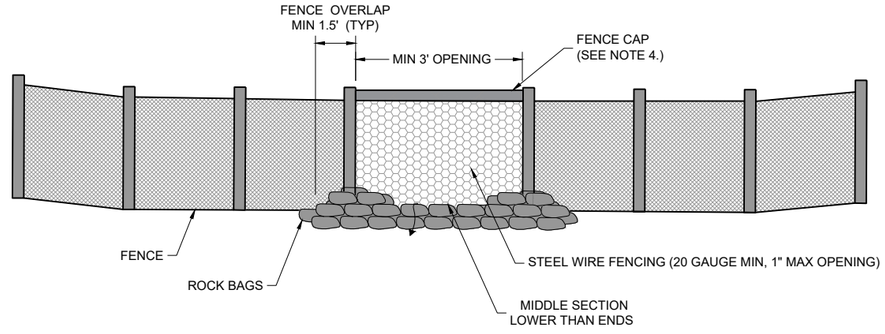


PLAN VIEW

CLIMBING TURTLE EXCLUSION FENCE DETAIL



PLAN VIEW



FRONT VIEW

CLIMBING TURTLE FENCE RELIEF DETAIL

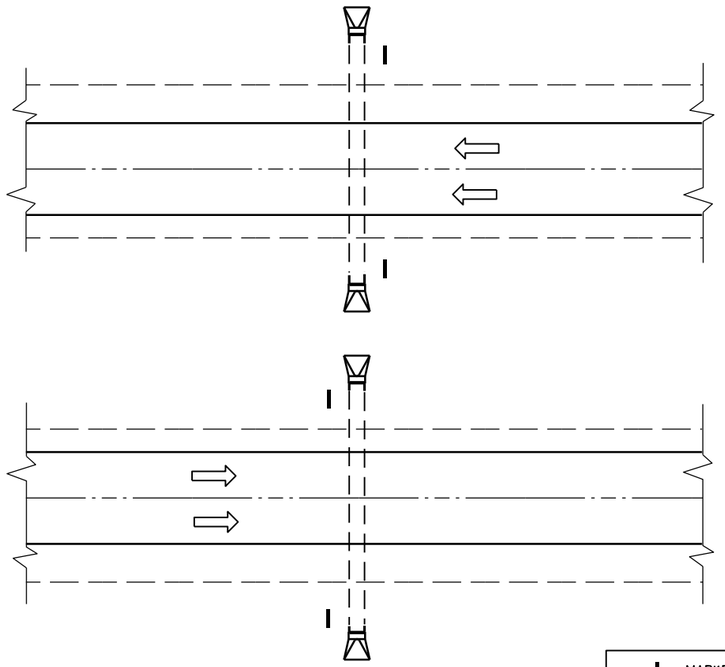
TURTLE EXCLUSION FENCE
CLIMBING TURTLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
AUGUST 2025
DATE

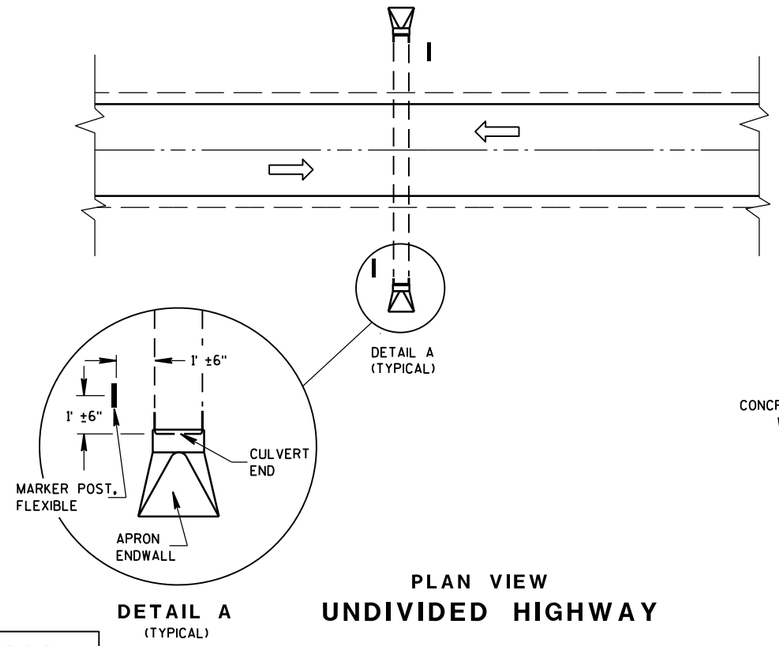
/S/ ALYSSA BARRETTE
CHIEF STATEWIDE ENVIRONMENTAL SERVICES
BUREAU OF TECHNICAL SER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

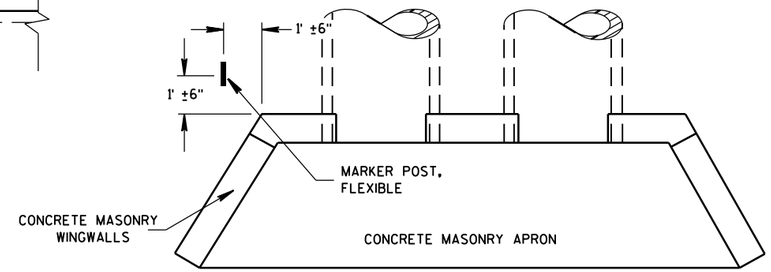
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

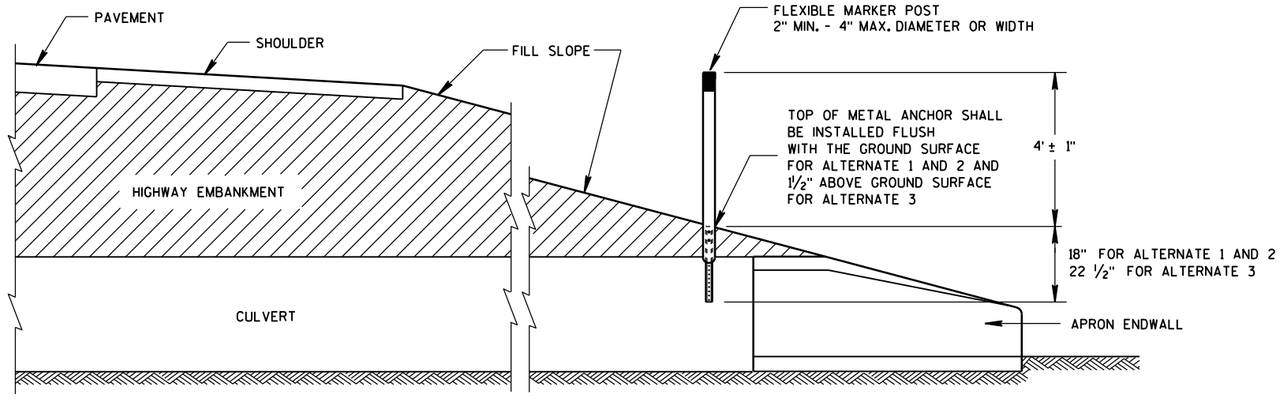
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

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

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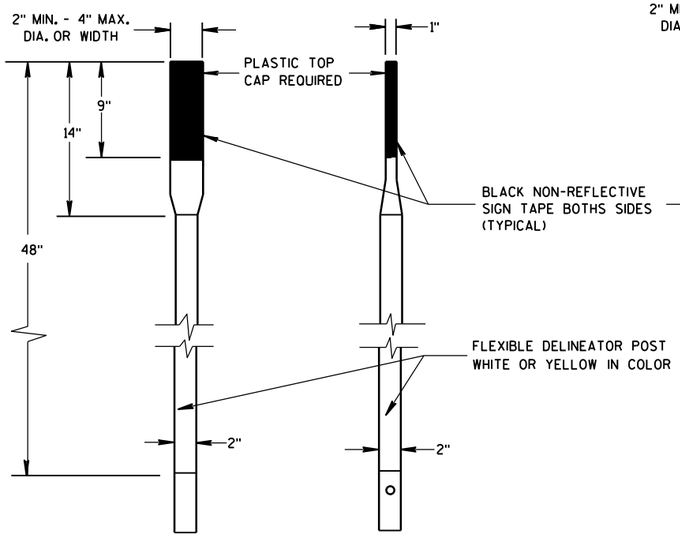
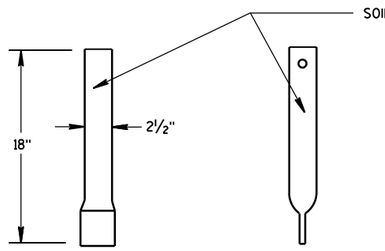
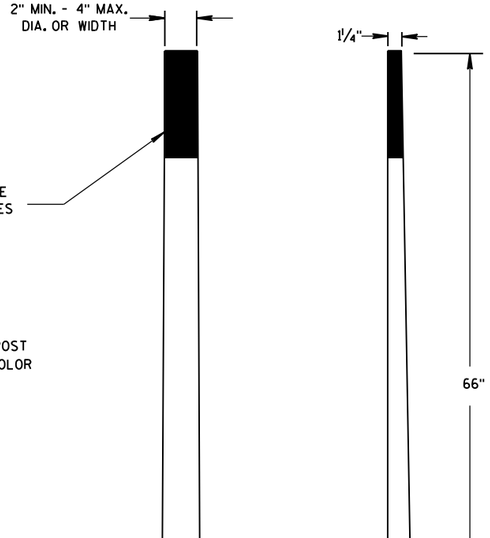
S.D.D. 15 A 3-2a





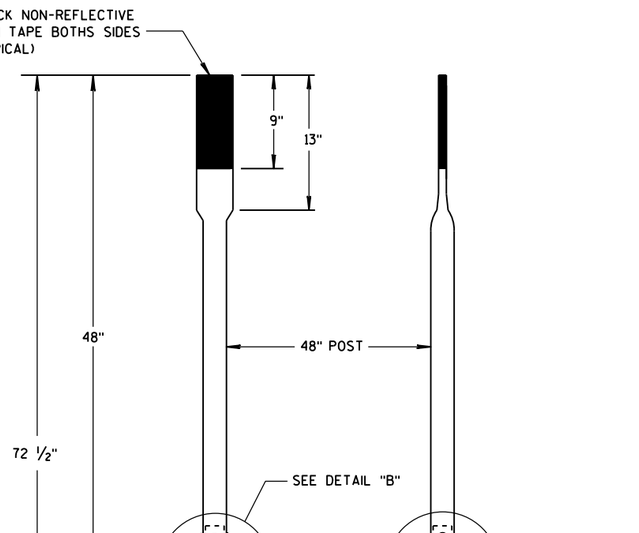
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

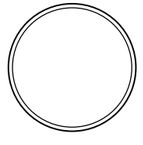
ALTERNATE 2



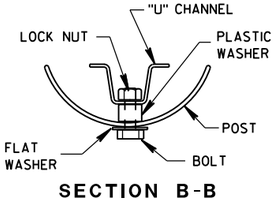
FRONT VIEW SIDE VIEW

ALTERNATE 3

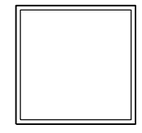
FLEXIBLE MARKER POSTS



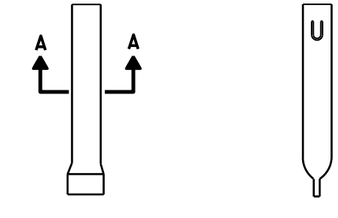
SECTION A-A



SECTION B-B

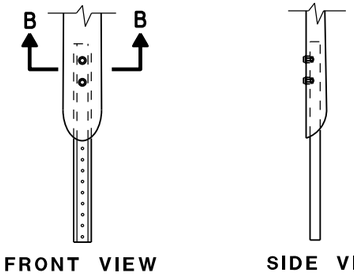


SECTION C-C



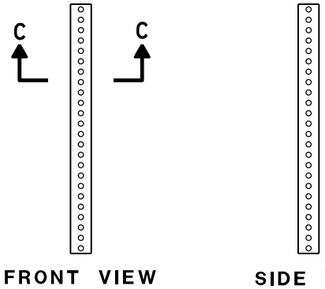
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

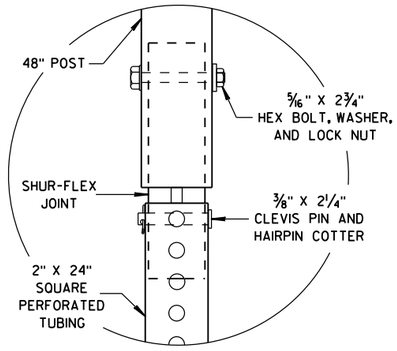
ALTERNATE 2



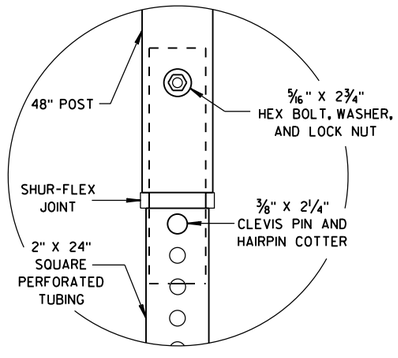
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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

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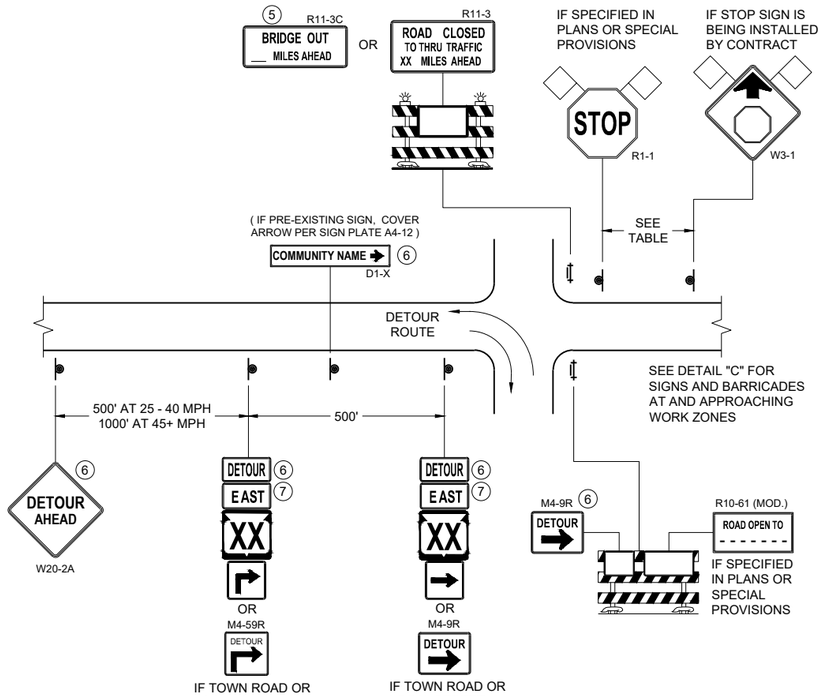
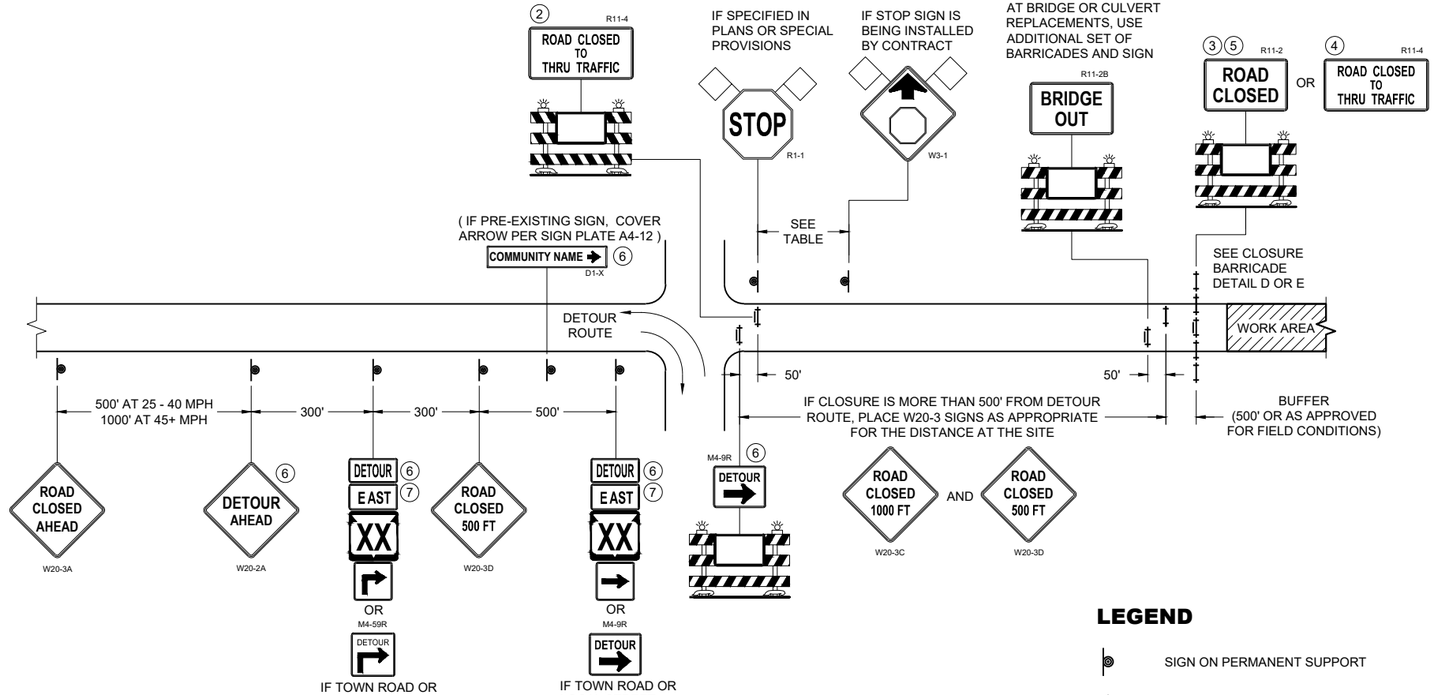
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 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

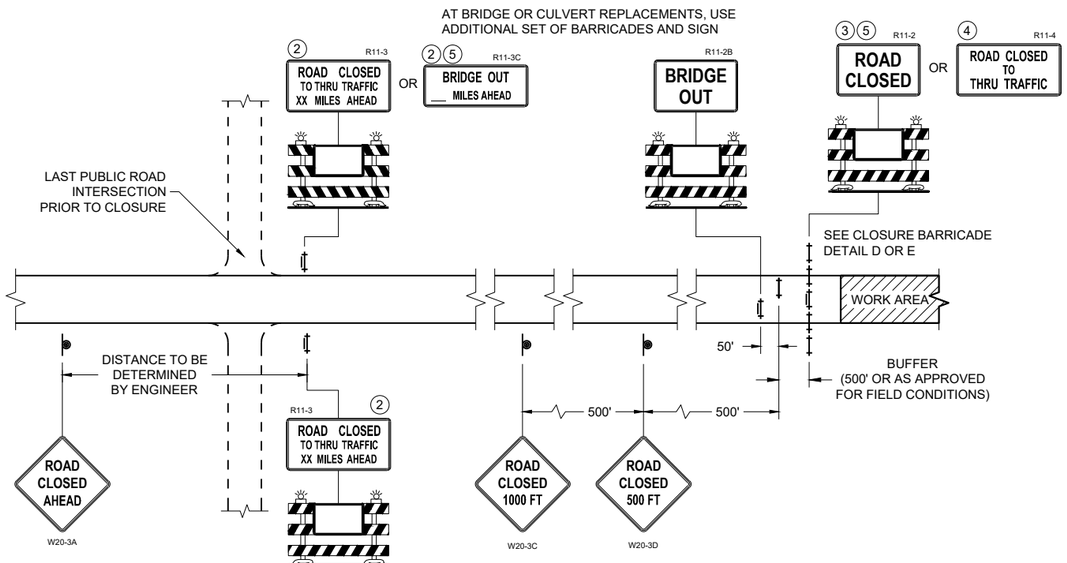
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

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)

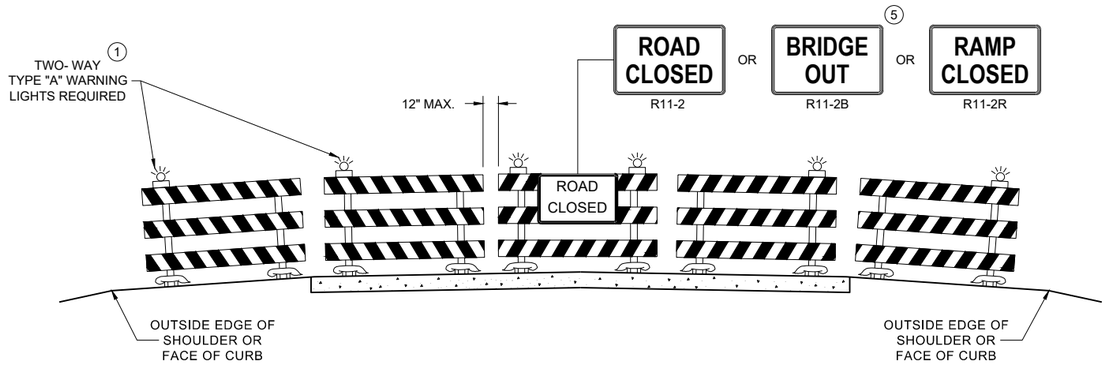
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

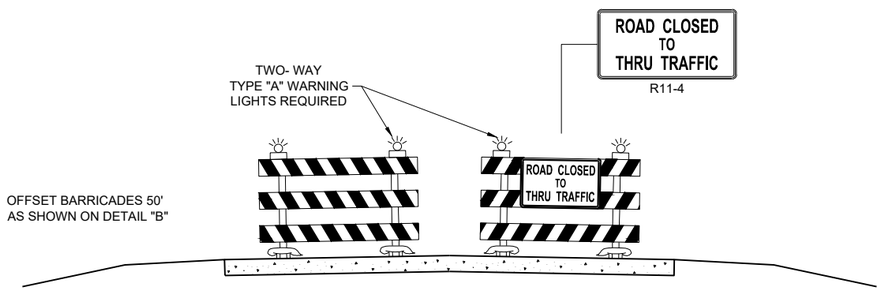
6
SDD 15C02-10a



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

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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.

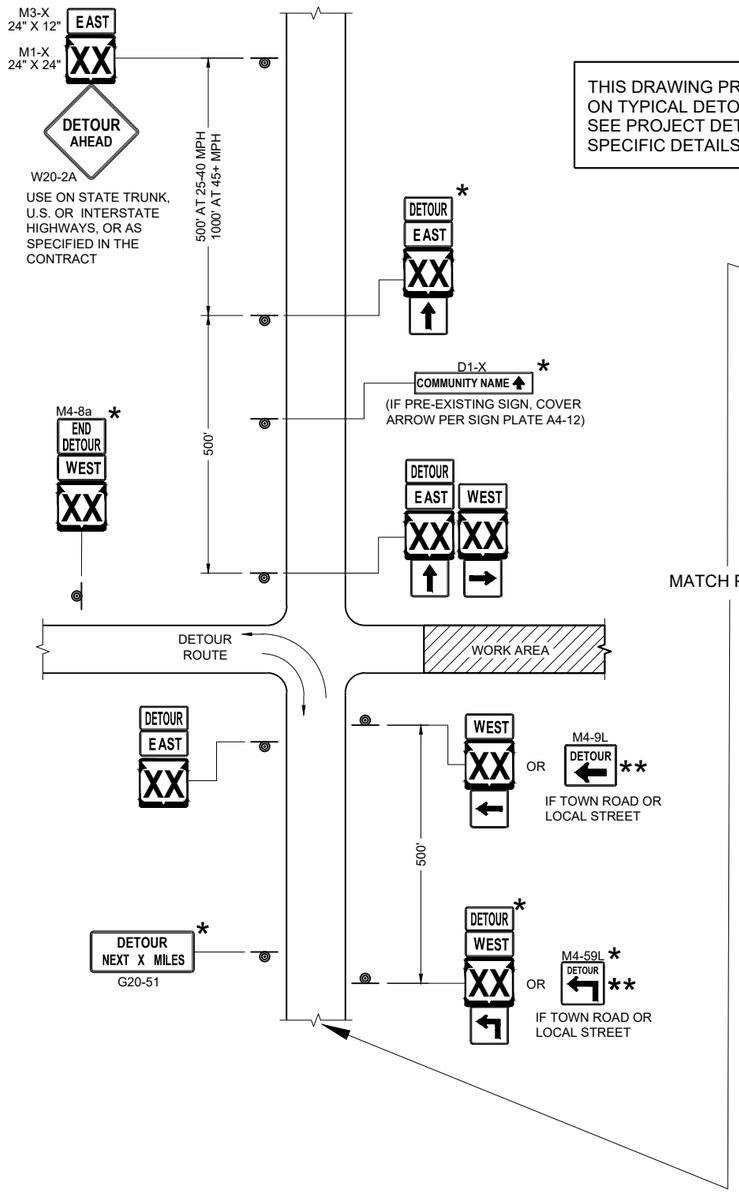
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

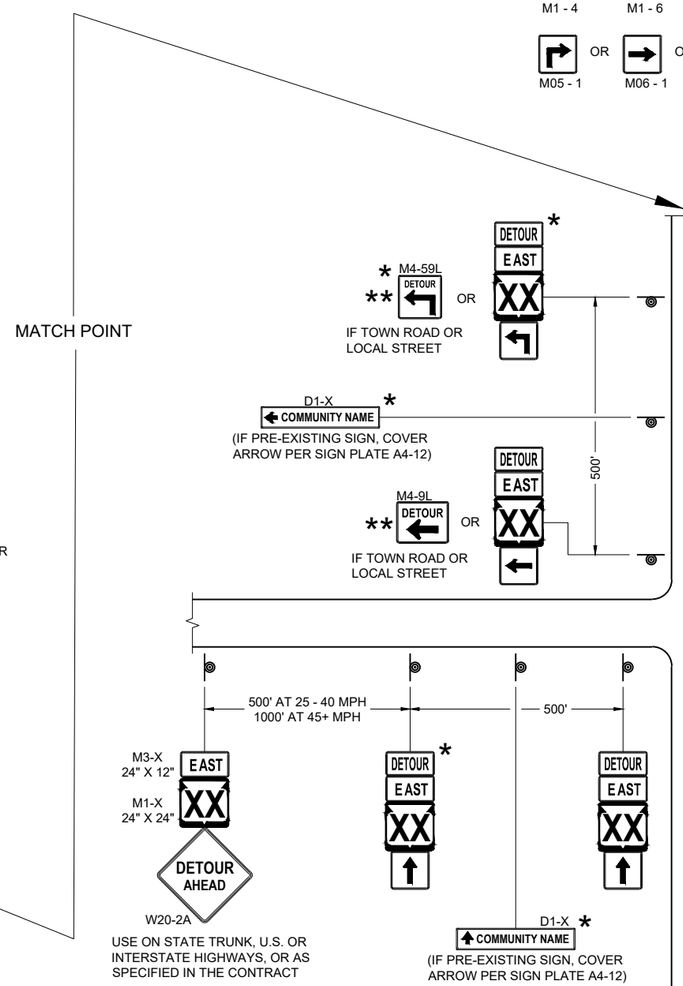
SIGN SIZES SHALL BE AS FOLLOWS:

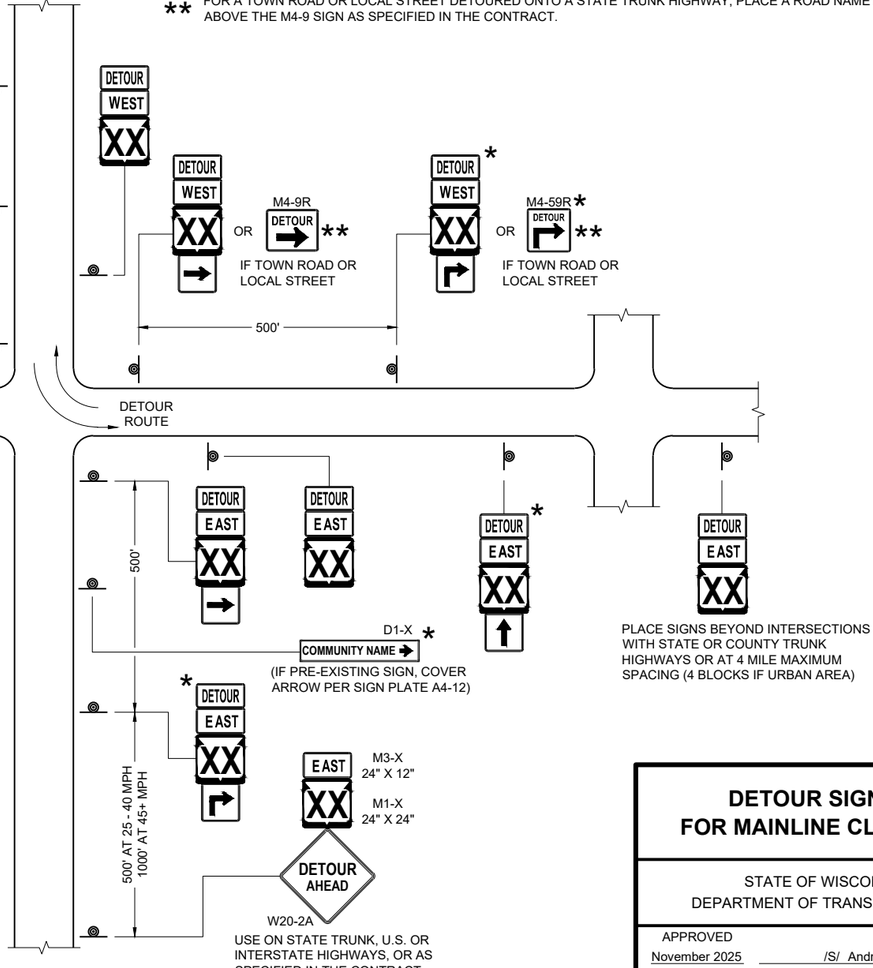
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING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

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

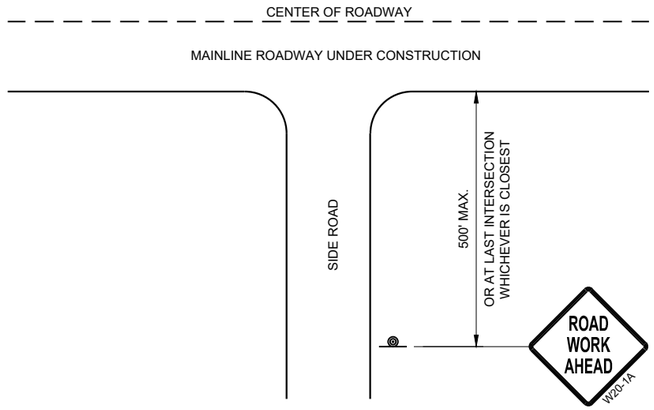
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



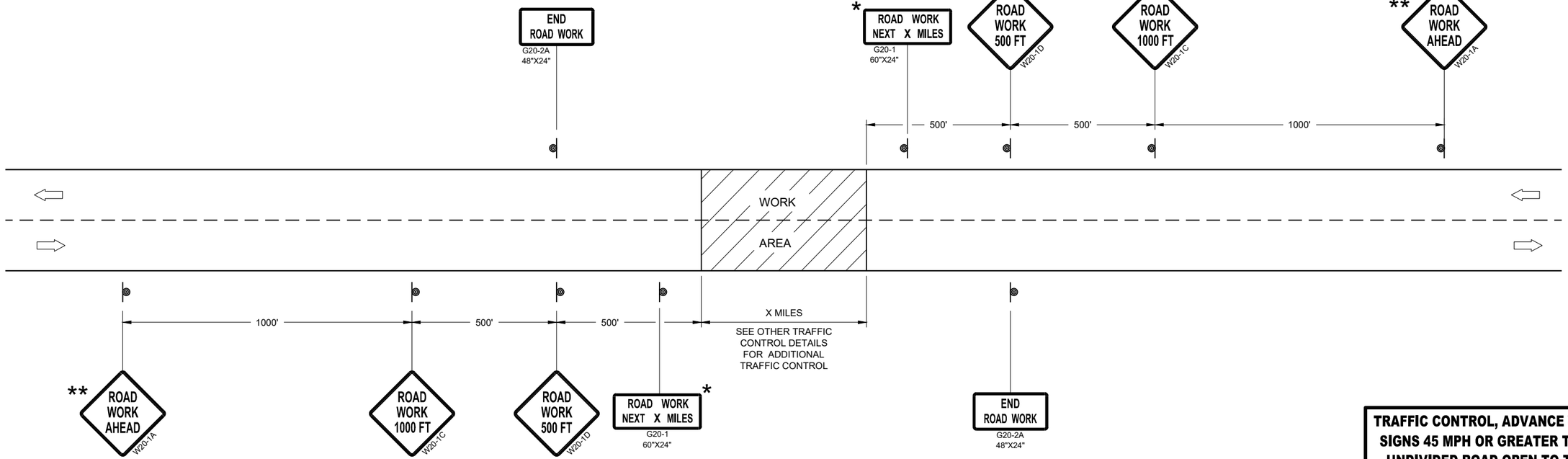
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 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.

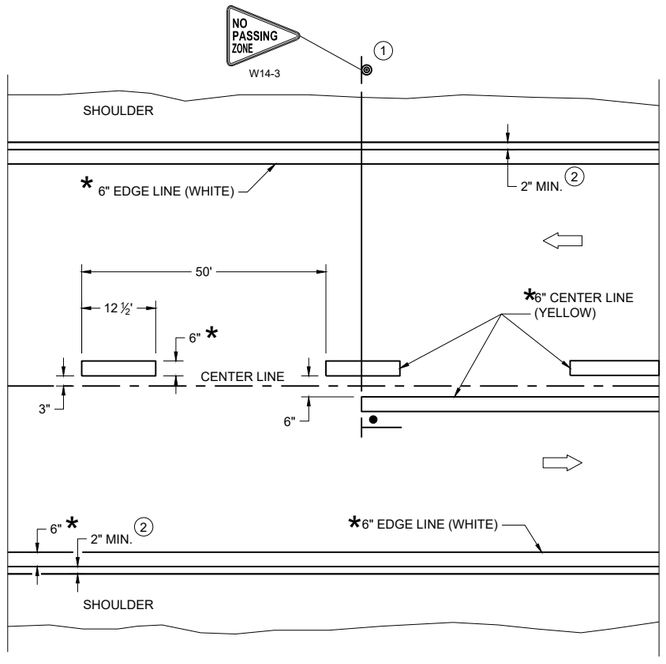
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

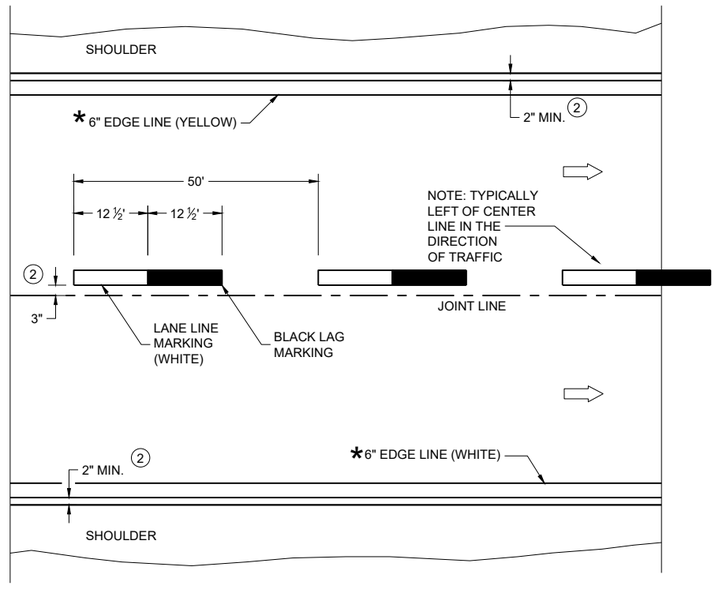
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

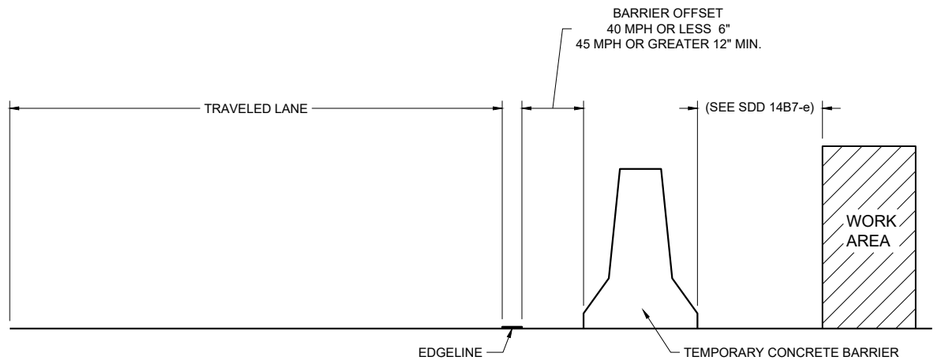
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6
SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

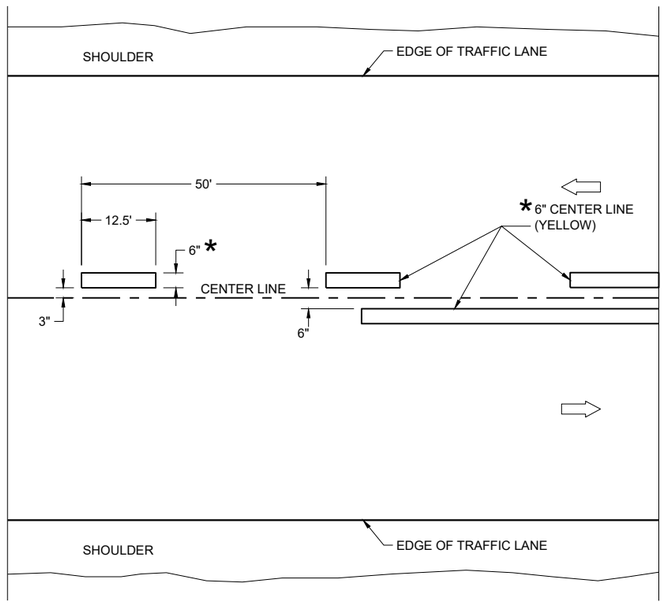
GENERAL NOTES

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

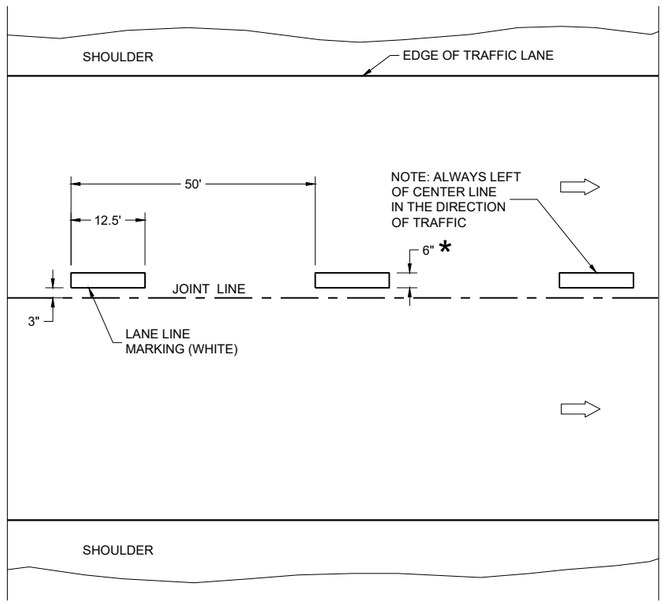
LEGEND

DIRECTION OF TRAFFIC

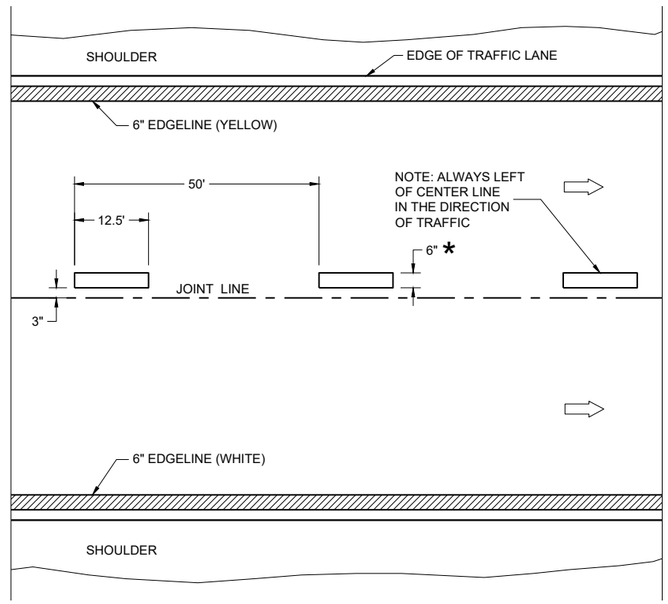
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer
FHWA

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SDD 15C08-24b

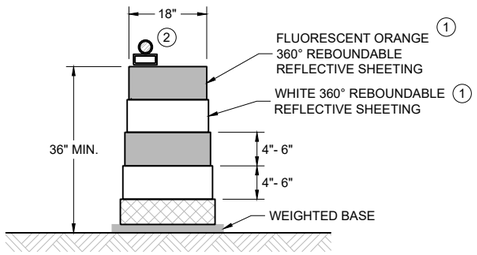
6

SDD 15C08-24b

GENERAL NOTES

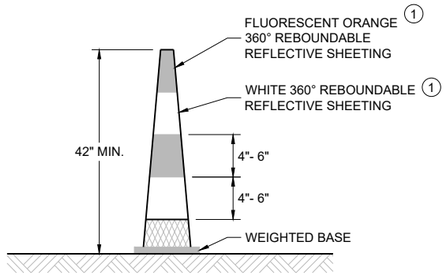
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

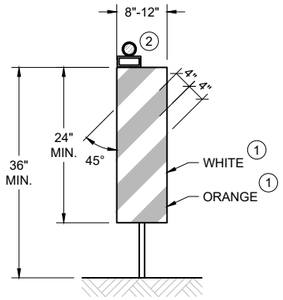
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

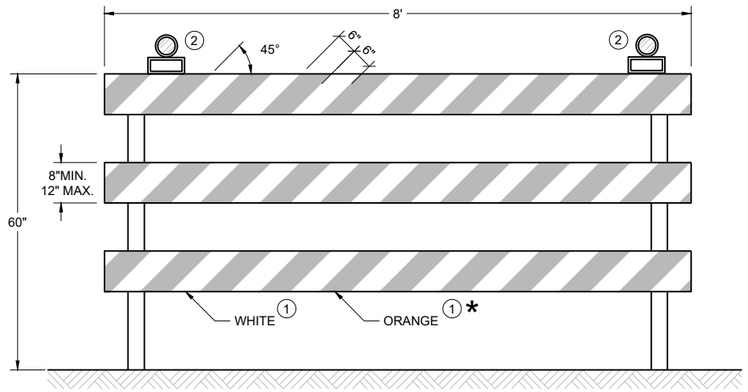
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15C11-11b

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.

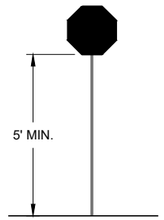
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



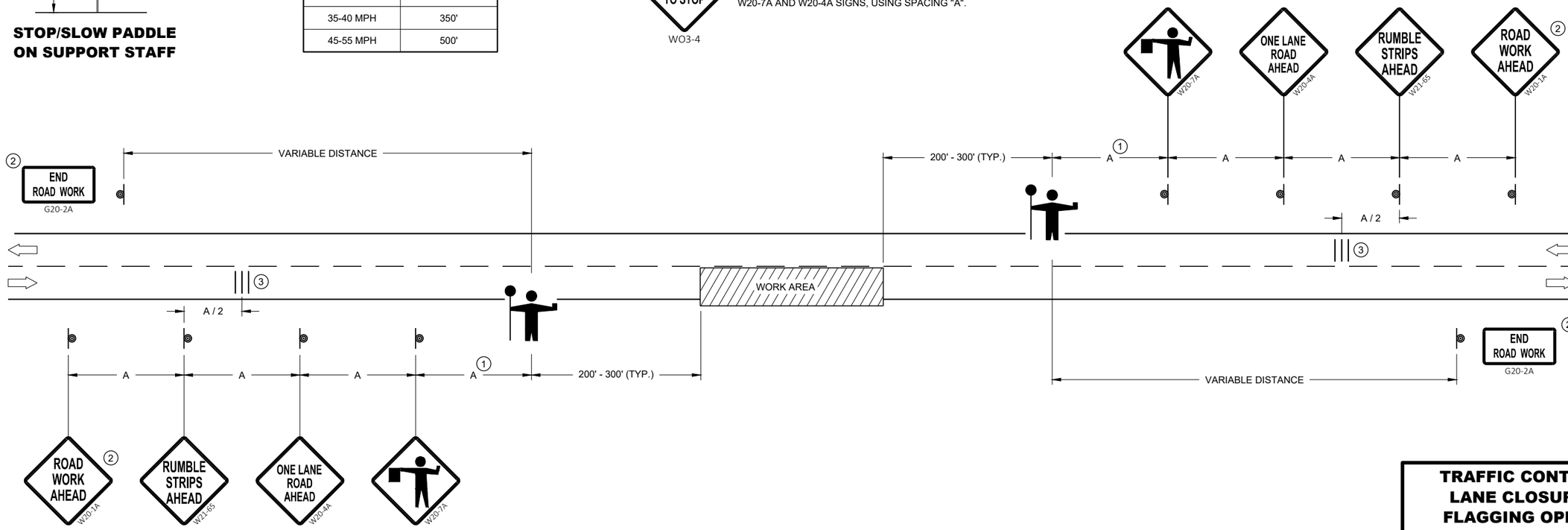
STOP/SLOW PADDLE ON SUPPORT STAFF

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

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

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

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

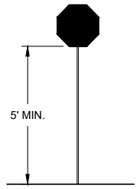
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

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

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.

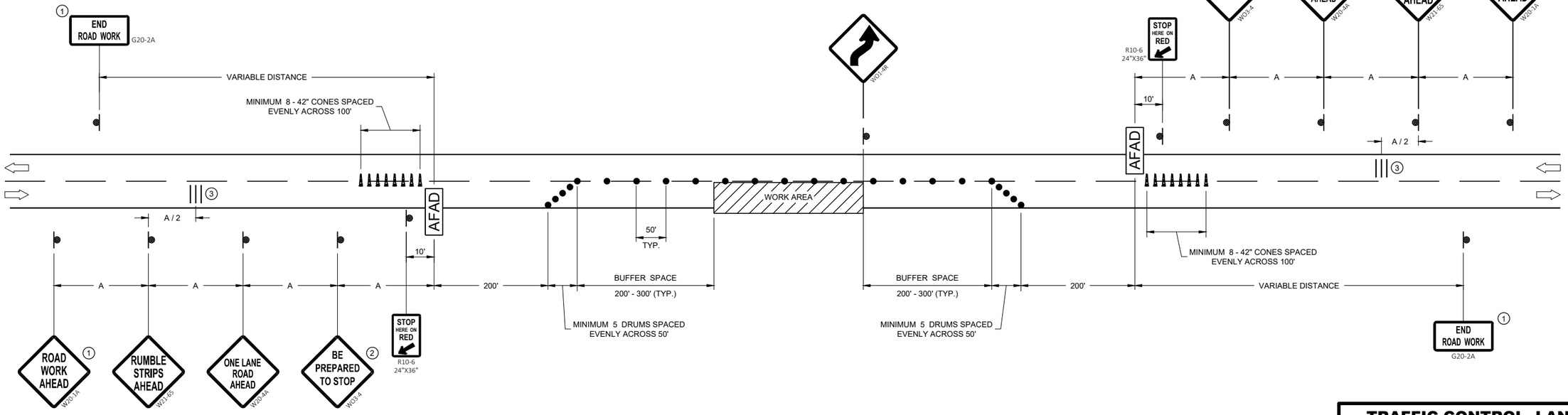
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



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'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C12 - 09b

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SDD 15C12 - 09b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

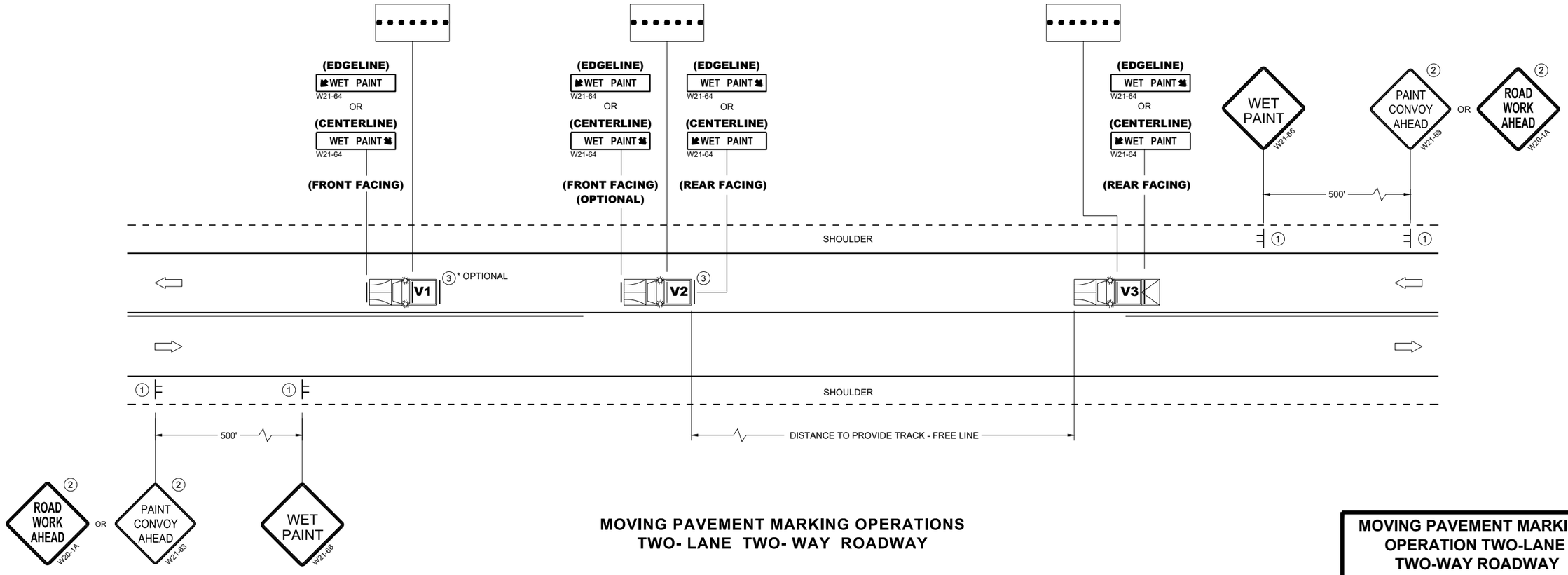
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — STATE ELECTRICAL ENGINEER

FHWA

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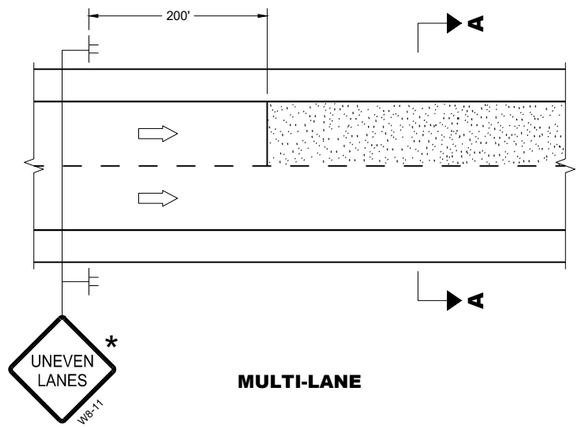
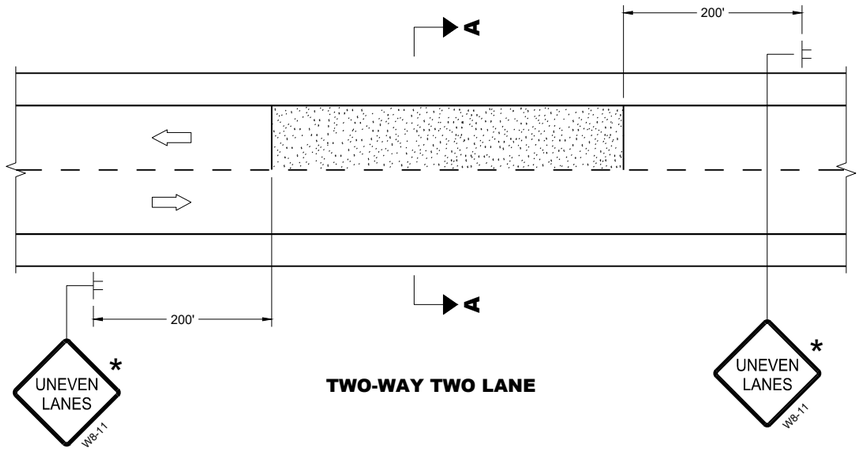
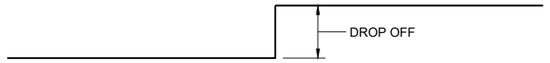
SDD 15C19-11a



MULTI-LANE

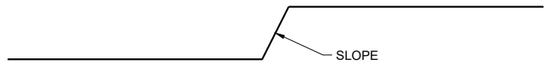


TWO-WAY TWO LANE

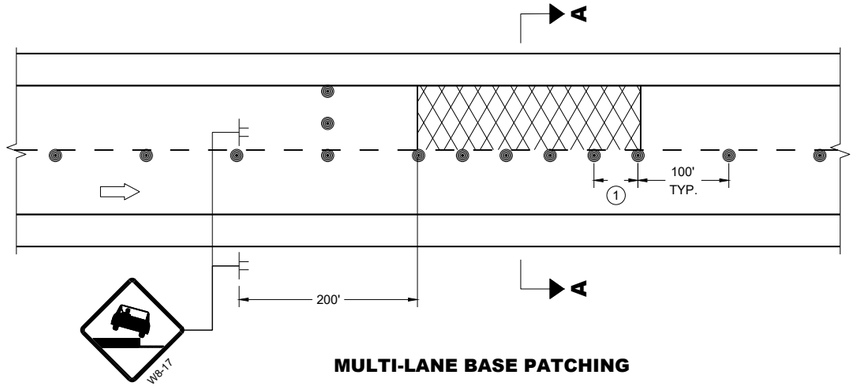


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

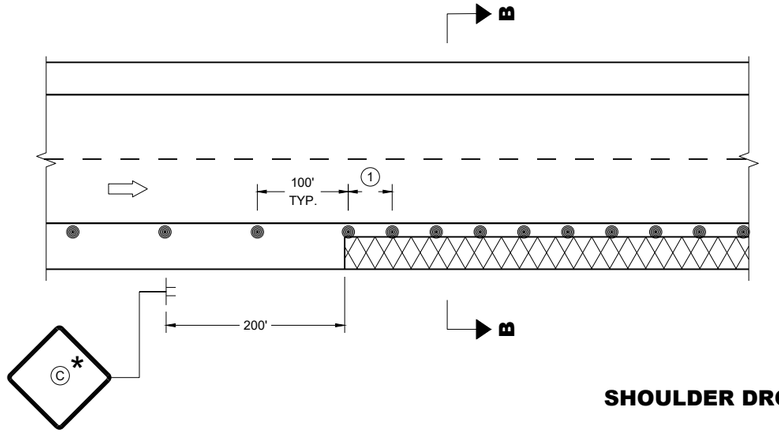
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

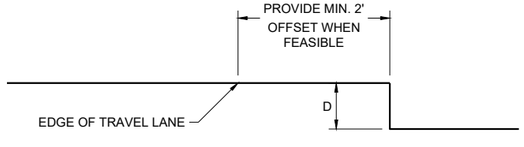
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A
	PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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SDD 15D39-03

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

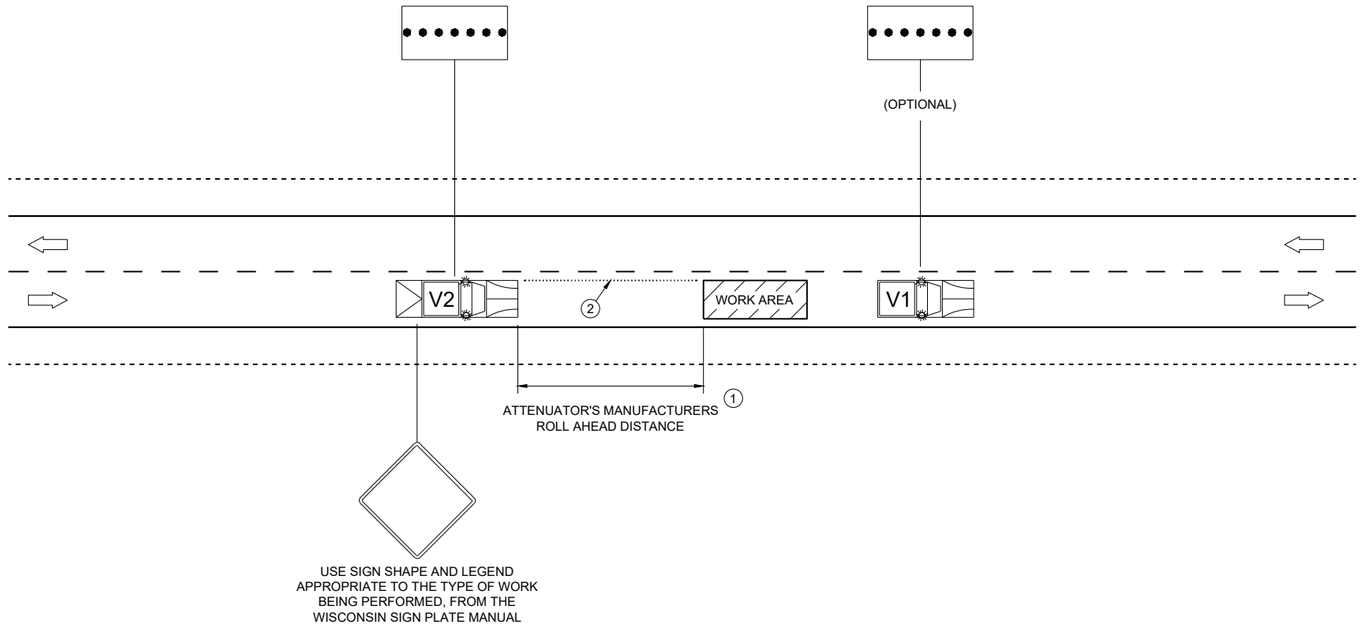
ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

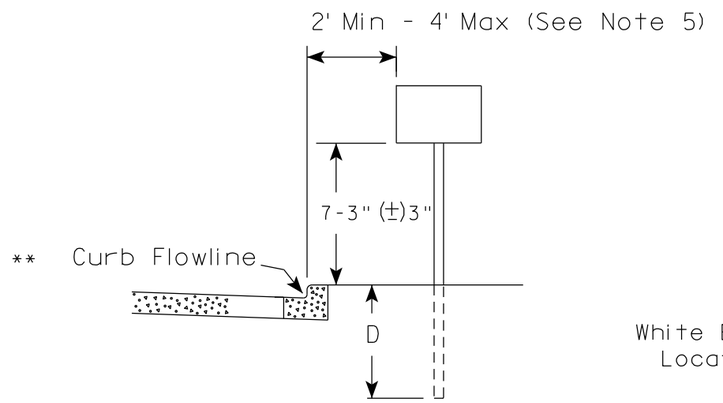
November 2025 — DATE

/S/ Andrew Heidtke — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

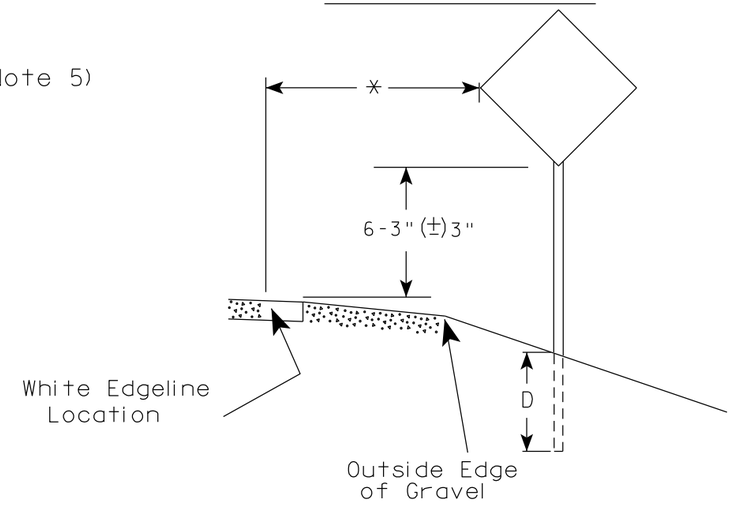
FHWA

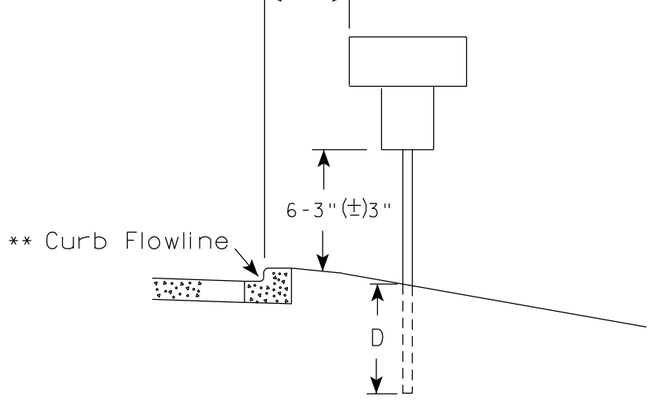
6 SDD 15D51-02

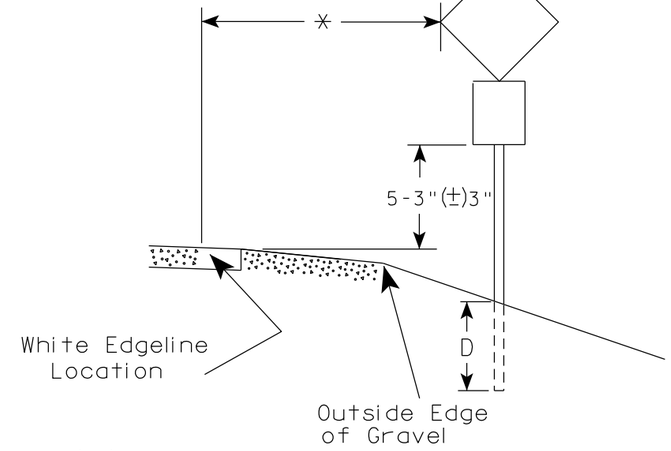
URBAN AREA



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.

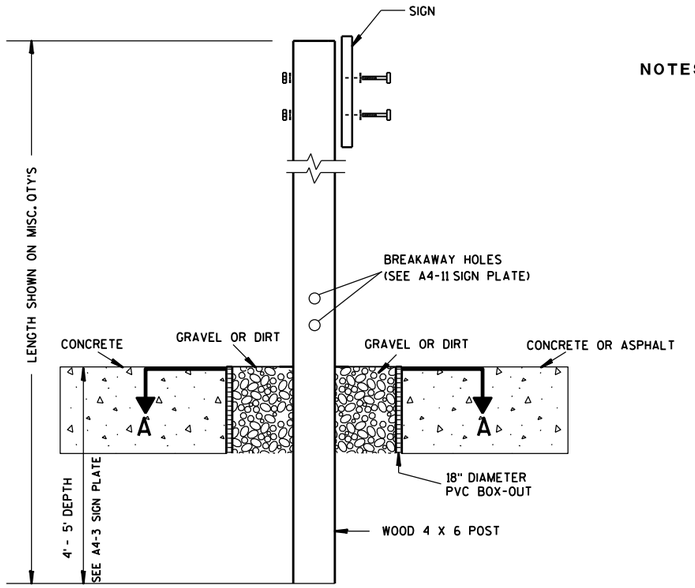
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

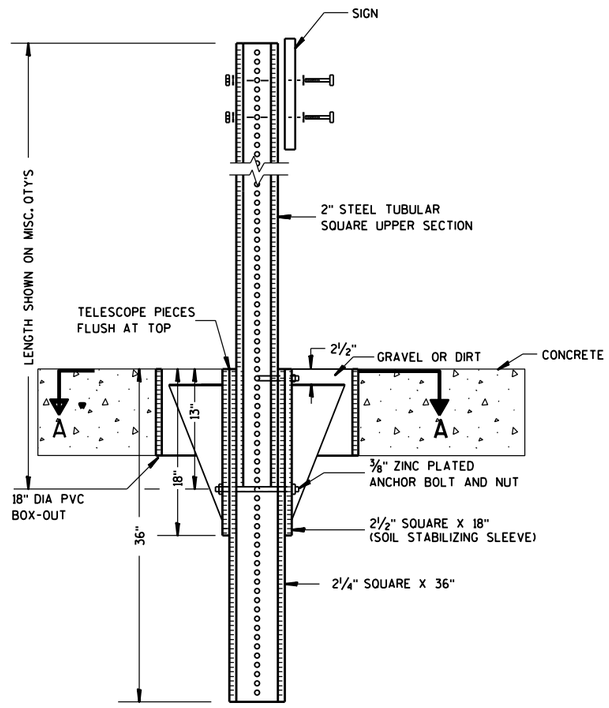
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 88	E



ELEVATION VIEW

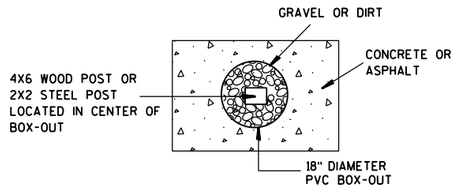
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

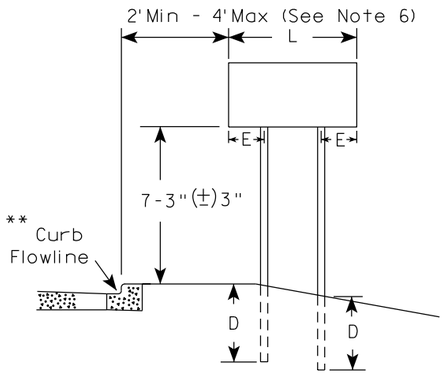
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

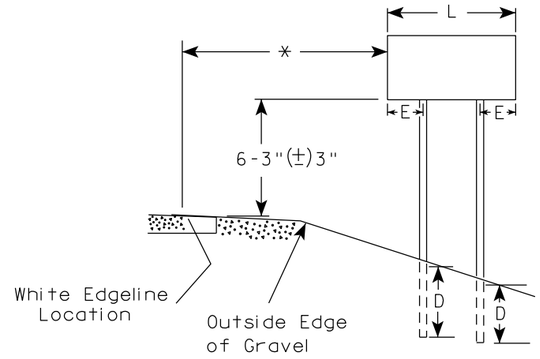
DATE 1/27/14 PLATE NO. A4-3B.1

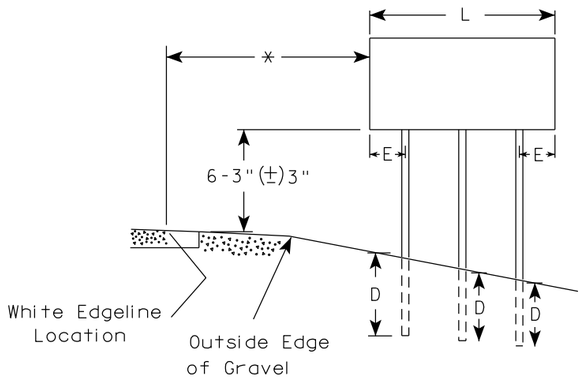
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

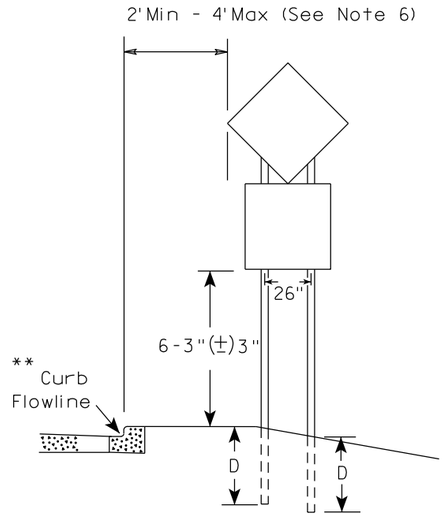
URBAN AREA



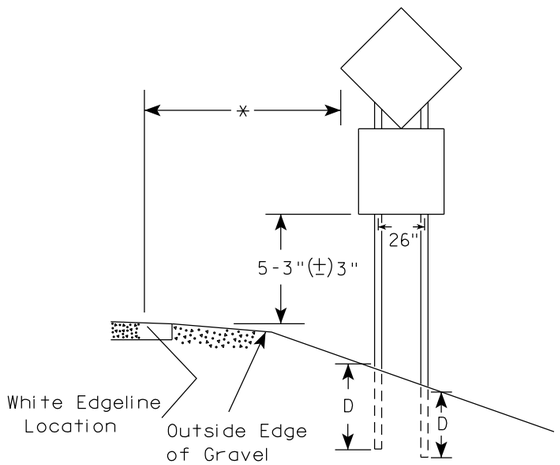
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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'

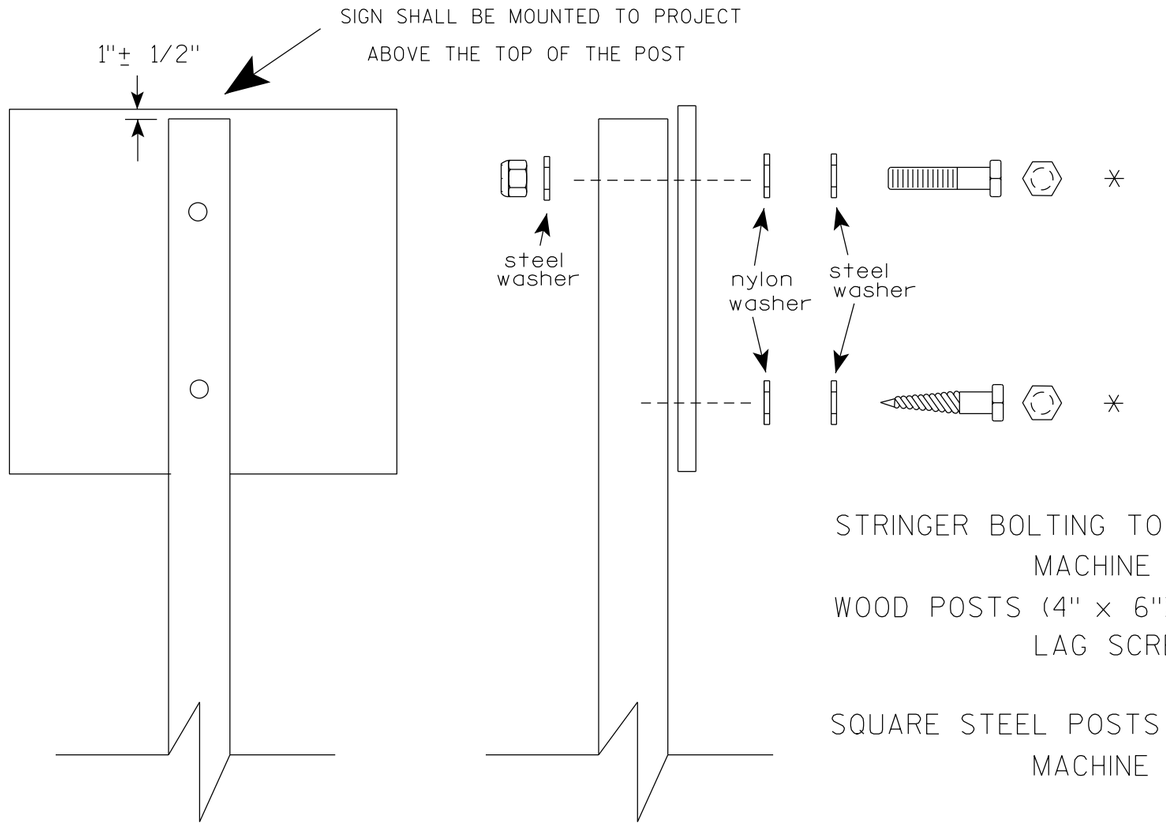
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 90	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

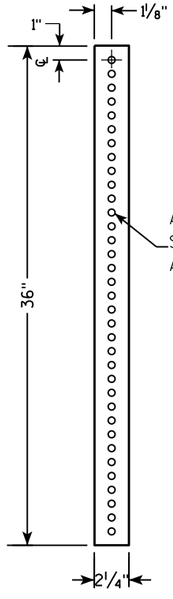
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

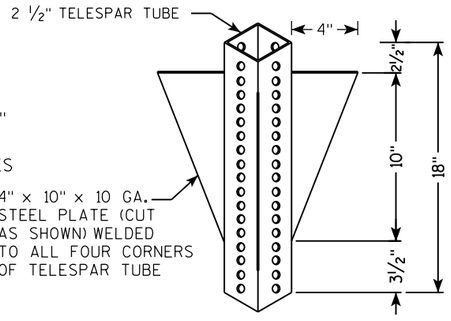
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

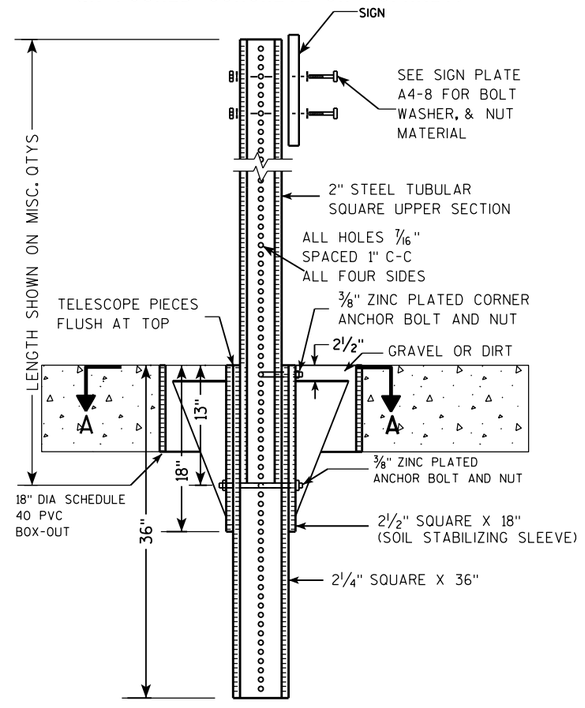
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



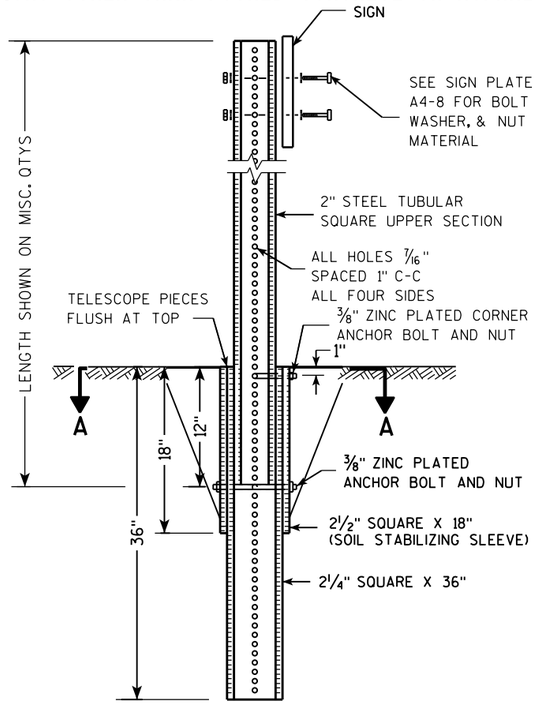
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

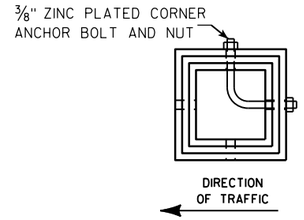


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

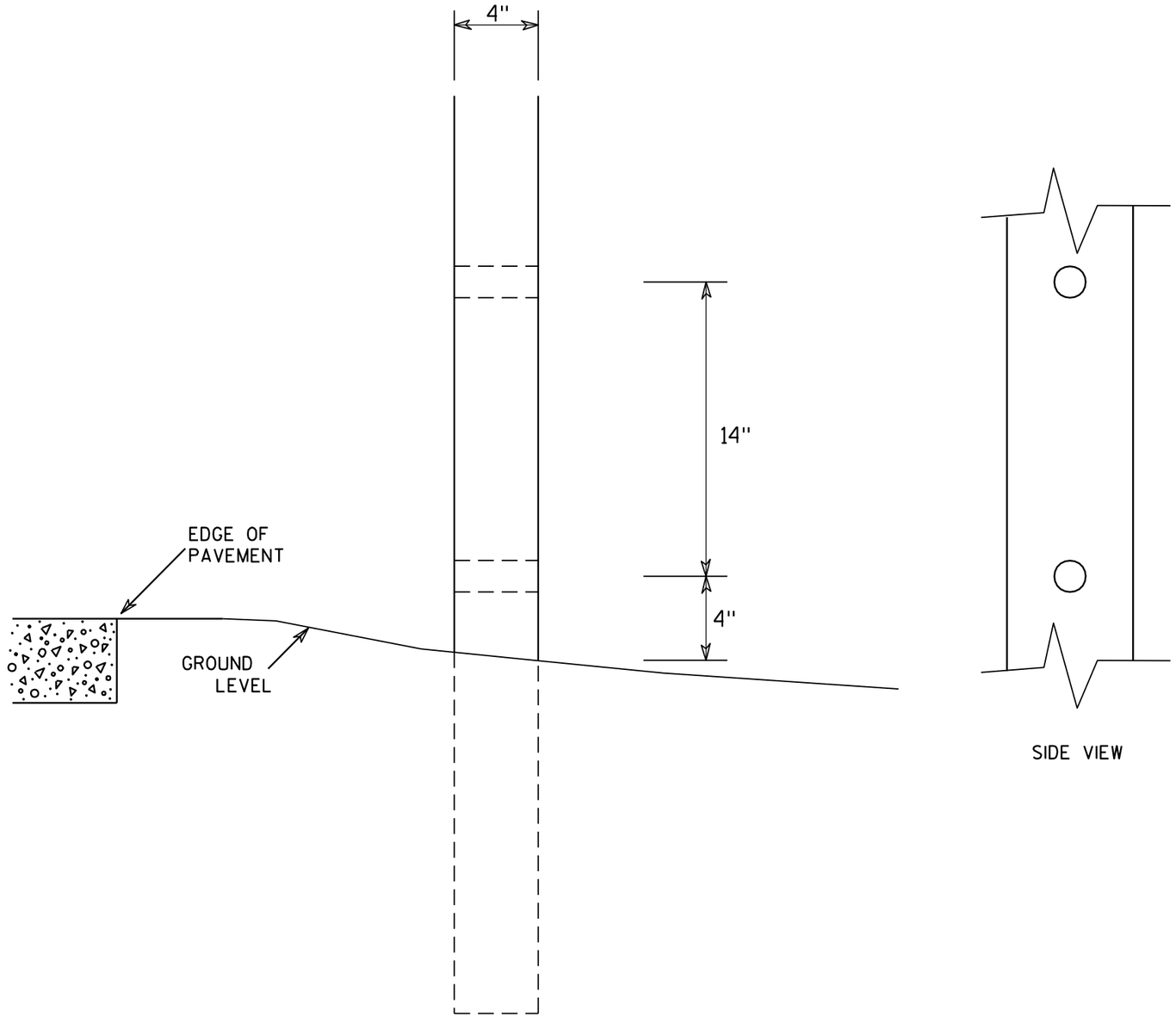
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 92 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

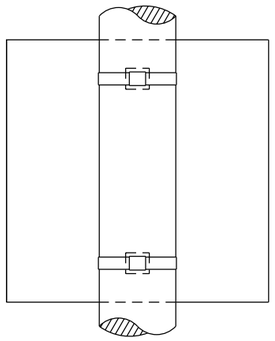
APPROVED Chester J Spang for State Traffic Engineer

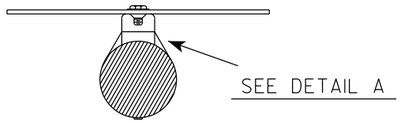
DATE 3/27/97 PLATE NO. A4-11.2

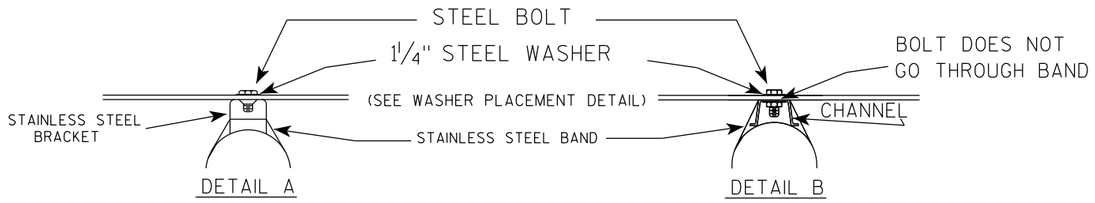
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 93	E

BANDING

SINGLE SIGN



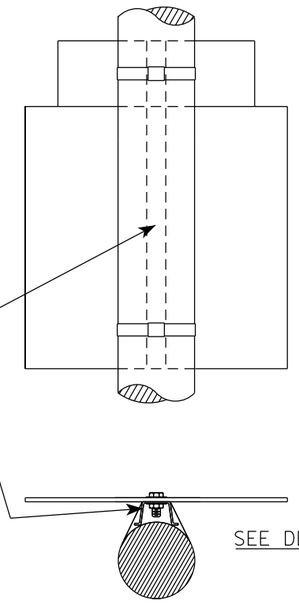




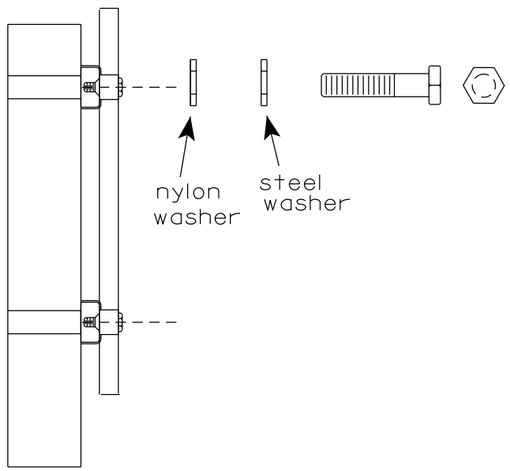
GENERAL NOTES

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

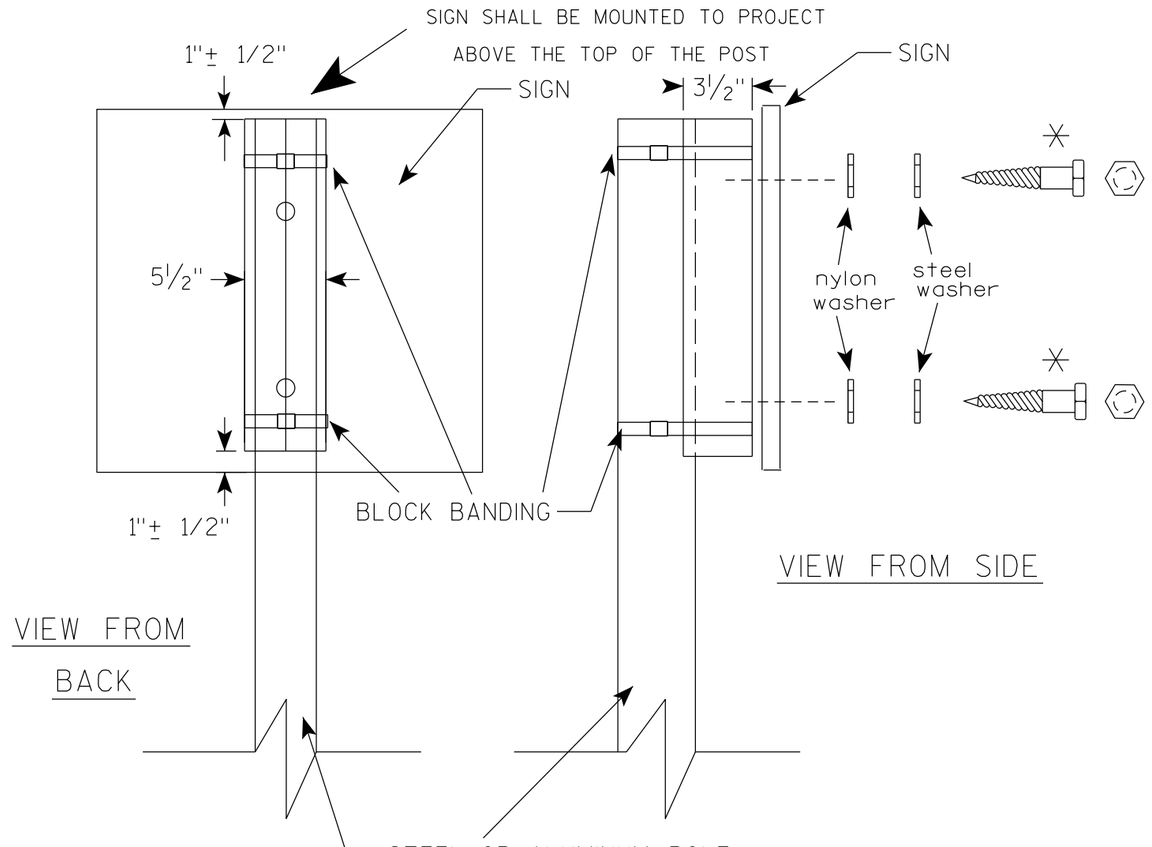
WISCONSIN DEPT OF TRANSPORTATION

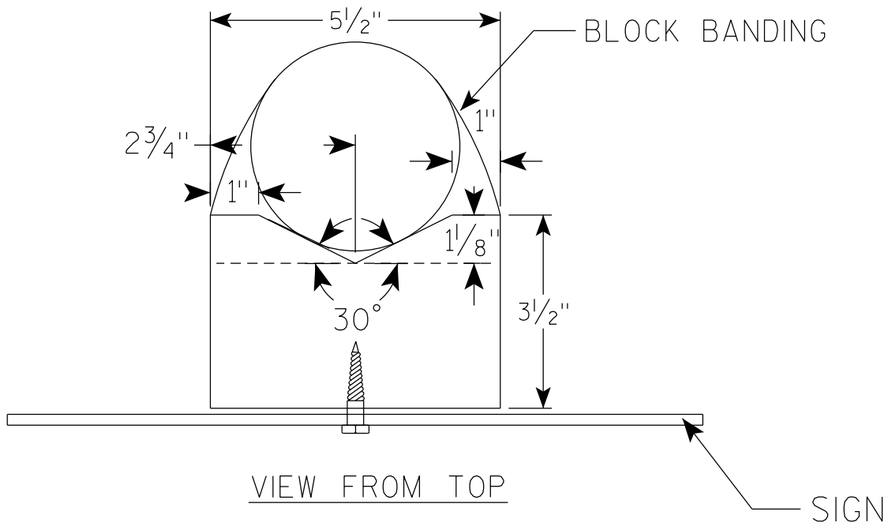
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 94	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





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

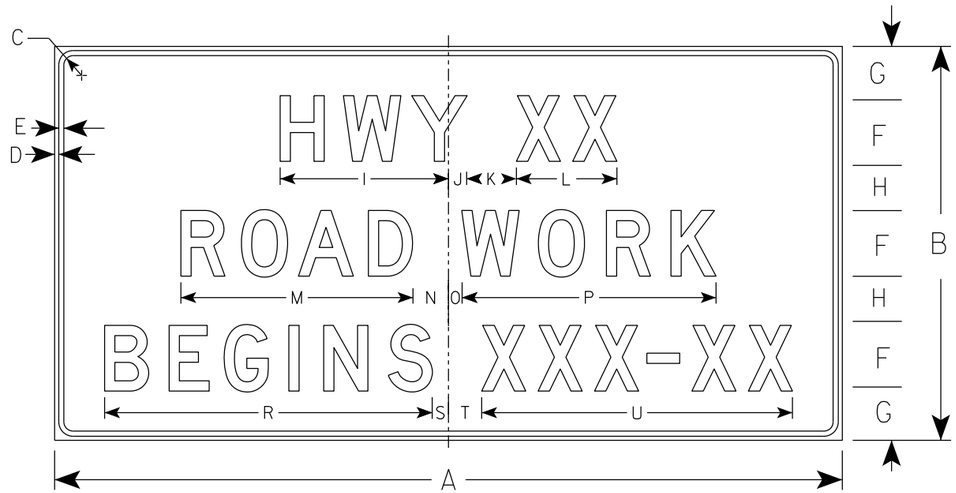
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 95 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57

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																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 7/8						32.0
5																											

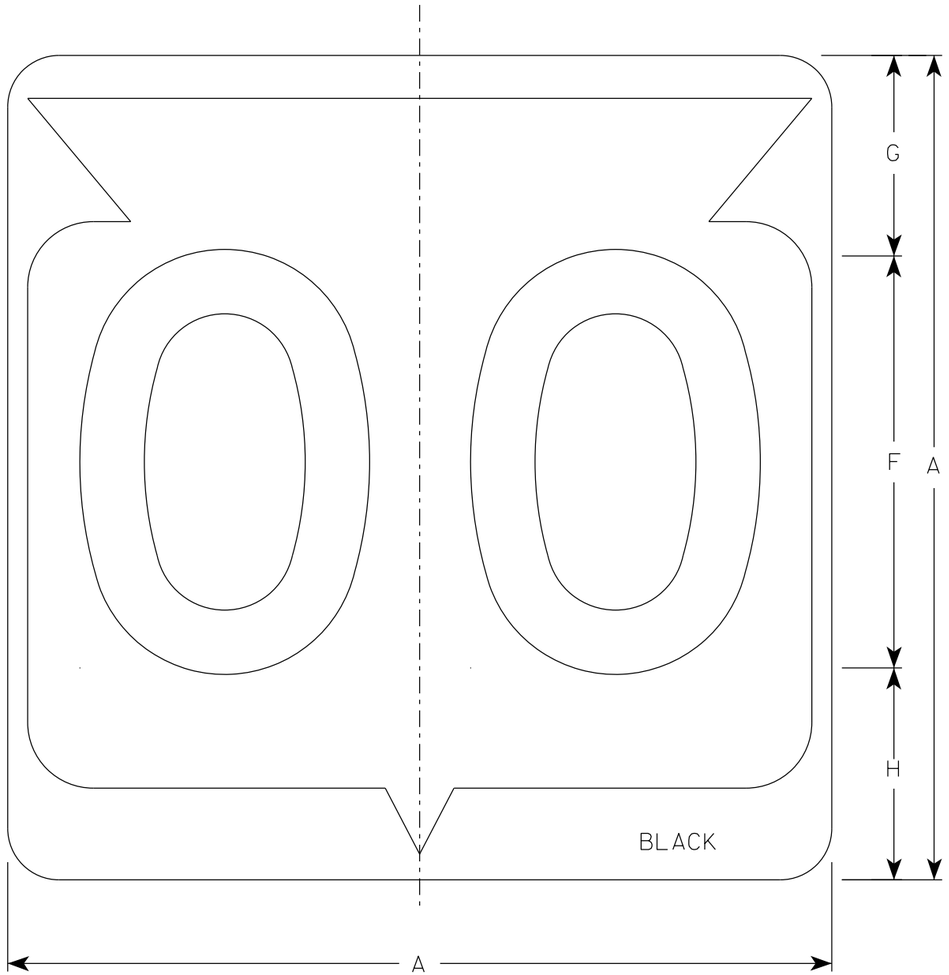
STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/22/19 PLATE NO. G20-57.3

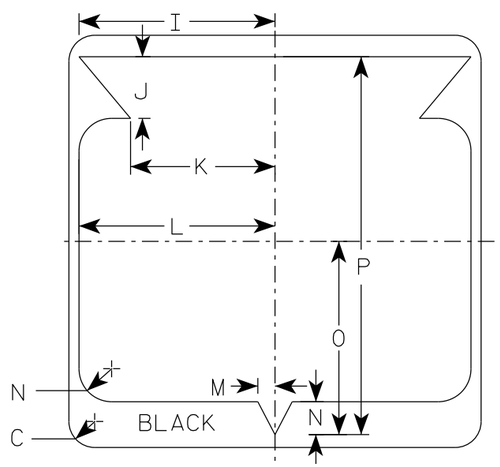
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 96	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

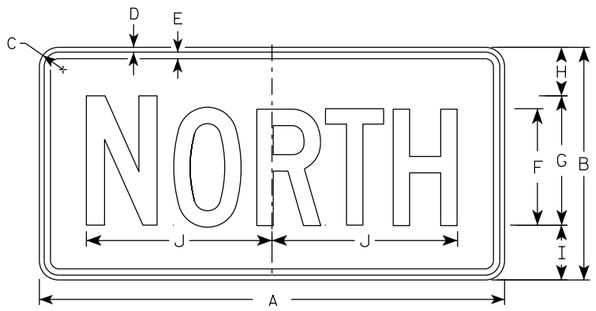
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

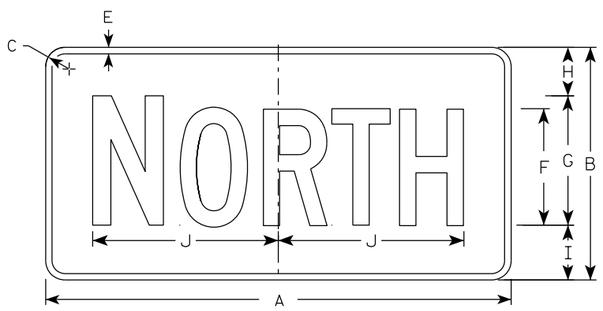
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

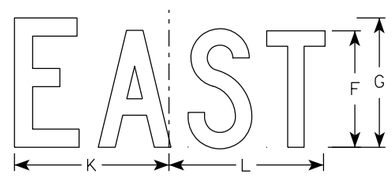
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 97	E



M3-1
MM3-1
MP3-1

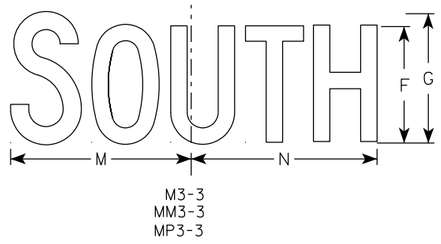


MB3-1
MK3-1
MN3-1

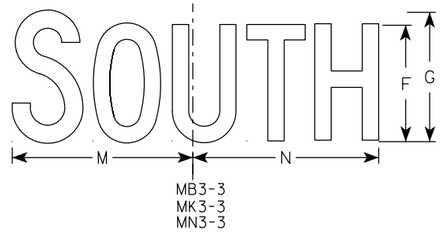


M3-2
MM3-2
MP3-2

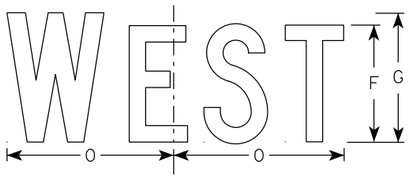
MB3-2
MK3-2
MN3-2



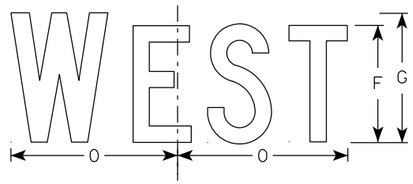
M3-3
MM3-3
MP3-3



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

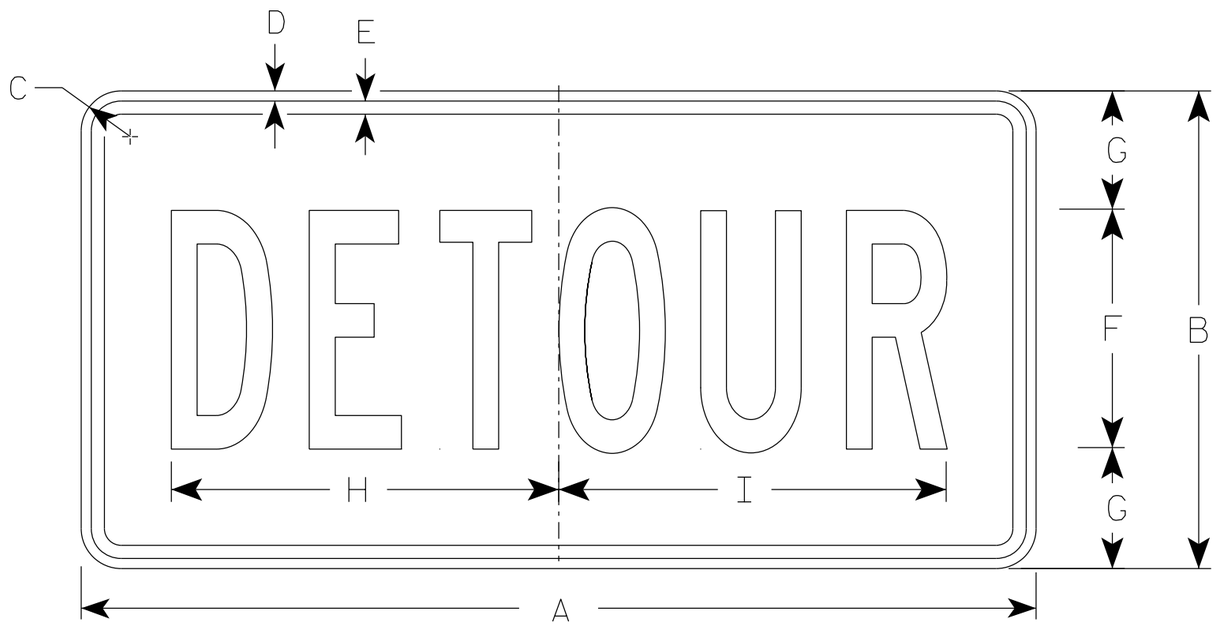
APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 98 | 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

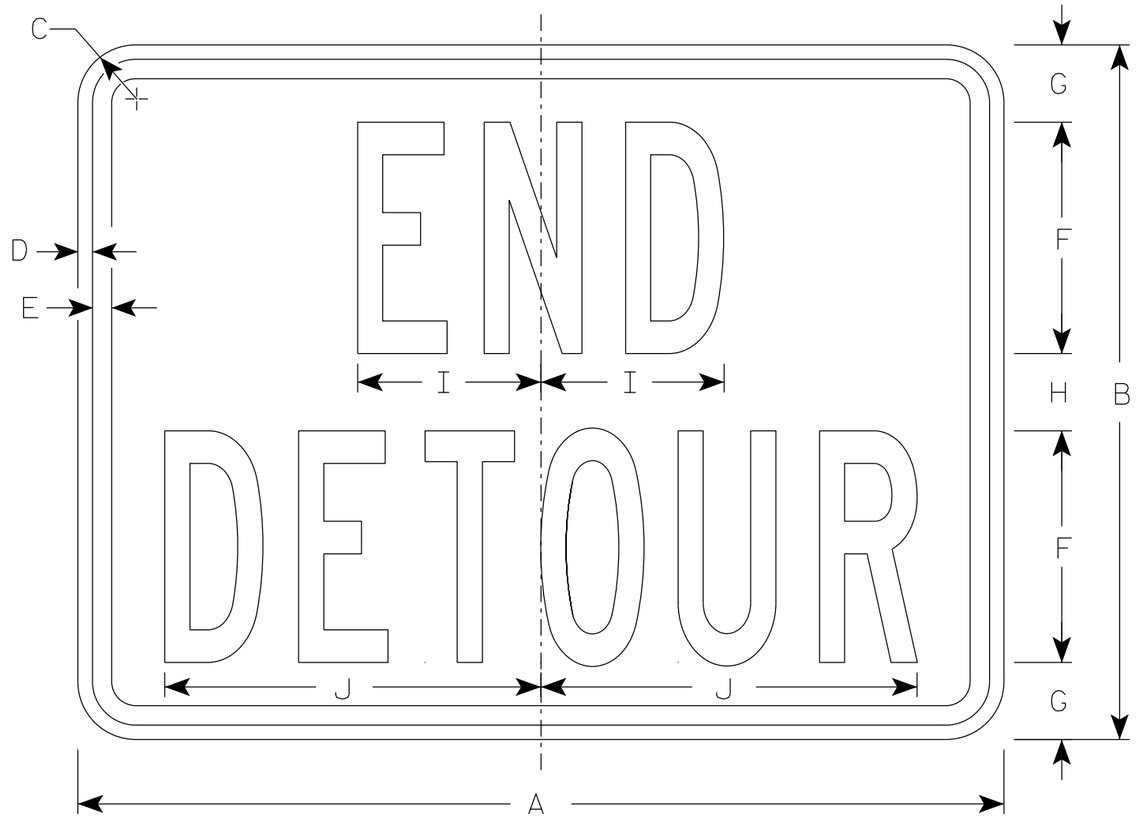
STANDARD SIGN
M4-8

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: 99	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

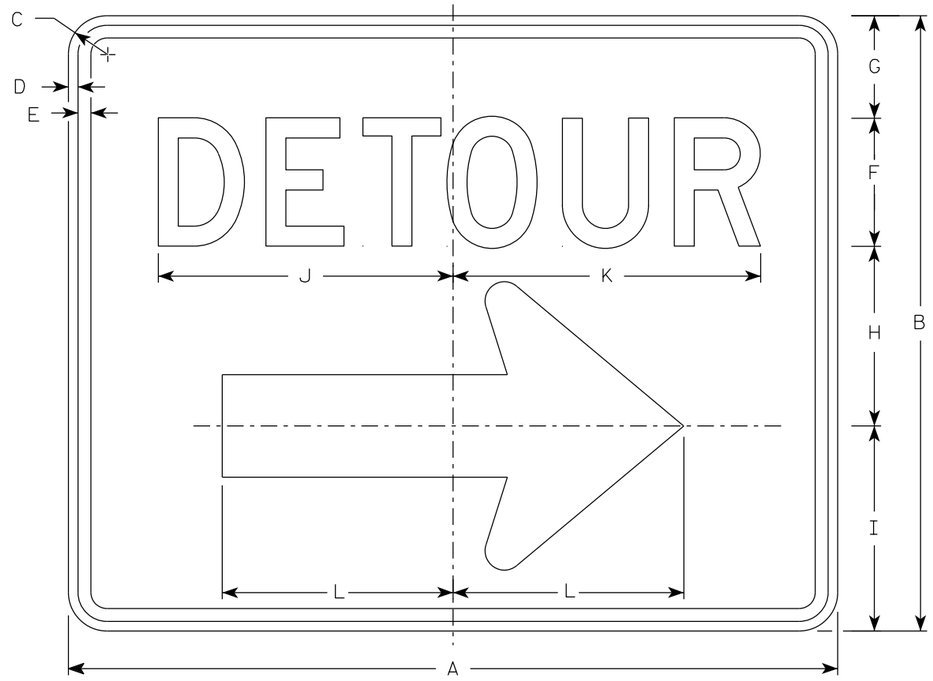
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

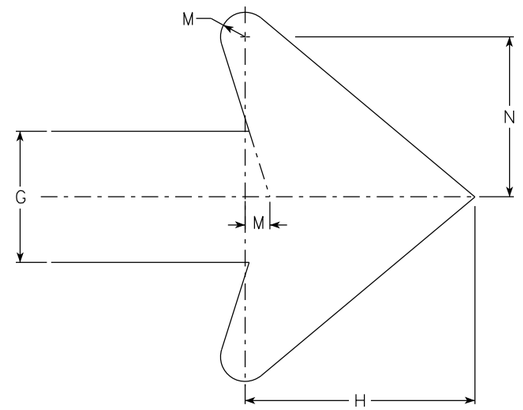
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 100 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

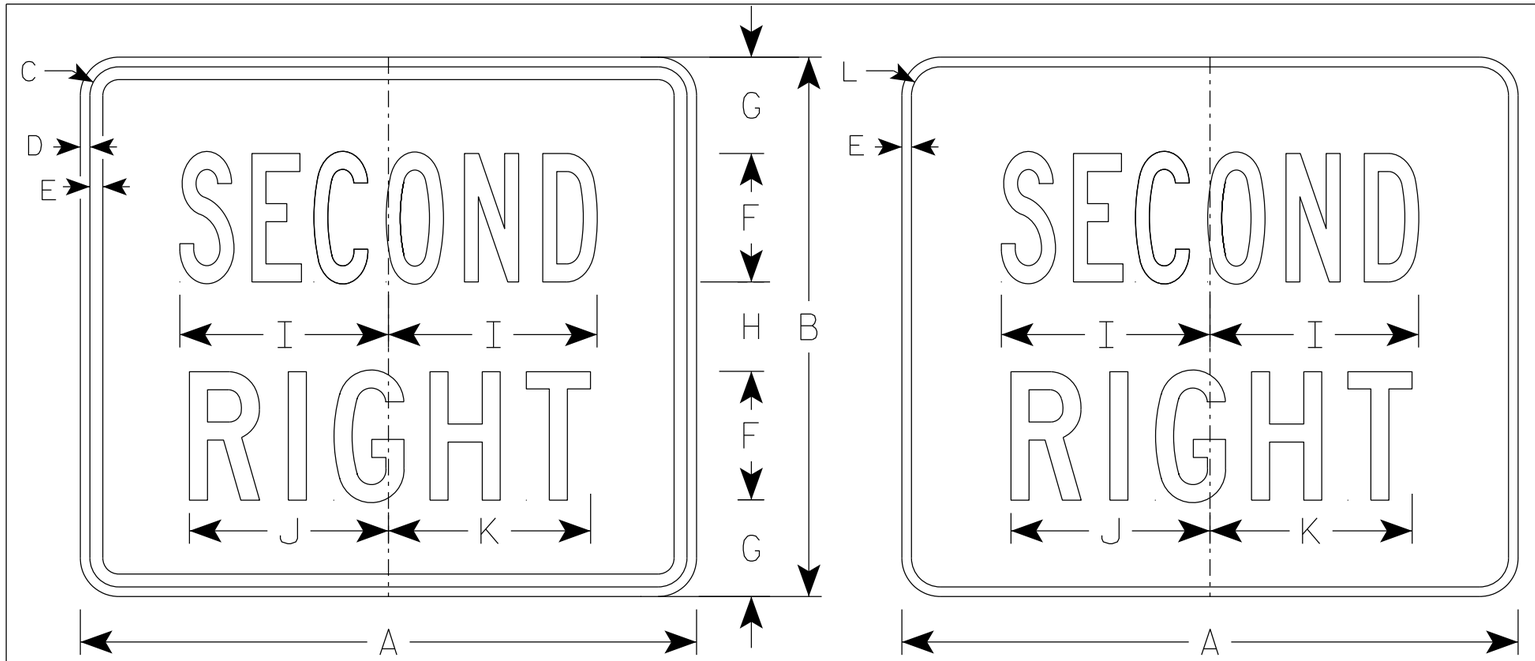
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9R.6

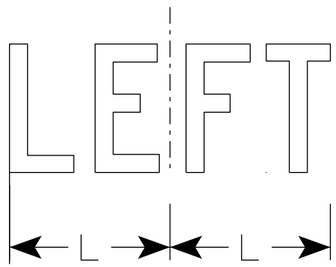
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-22R
MM4-22R
MO4-22R
MP4-22R

MB4-22R
MK4-22R
MN4-22R
MR4-22R



M4-22L
MB4-22L
MK4-22L
MM4-22L

MN4-22L
MO4-22L
MP4-22L
MR4-22L

NOTES

1. Sign is Type II - Type H except as Shown
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. M4-22 Background - White
   Message - Black

   MB4-22 Background - Blue
   Message - White

   MK4-22 Background - Green
   Message - White

   MM4-22 Background - White
   Message - Green

   MN4-22 Background - Brown
   Message - White

   MO4-22 Background - Orange - Type F Reflective
   Message - Black

   MP4-22 Background - White
   Message - Blue

   MR4-22 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	21	1 1/2	3/8	1/2	5	3 3/4	3 1/2	8 1/8	7 3/4	7 7/8	1 1/2															3.5
2M	24	21	1 1/2	3/8	1/2	5	3 3/4	3 1/2	8 1/8	7 3/4	7 7/8	1 1/2															3.5
3	36	30	1 7/8	5/8	3/4	8	4 3/4	4 1/2	13 1/8	12 5/8	12 1/2	1 7/8															7.5
4	36	30	1 7/8	5/8	3/4	8	4 3/4	4 1/2	13 1/8	12 5/8	12 1/2	1 7/8															7.5
5																											

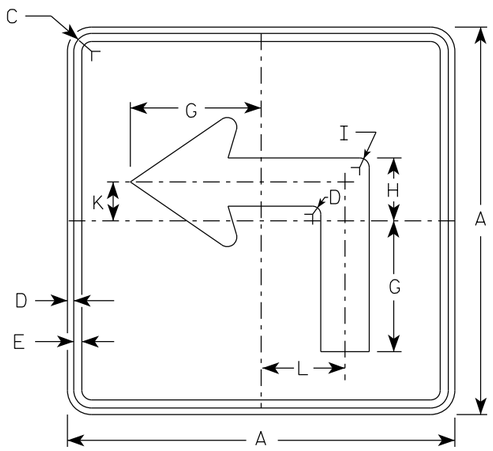
STANDARD SIGN
M4-22

WISCONSIN DEPT OF TRANSPORTATION

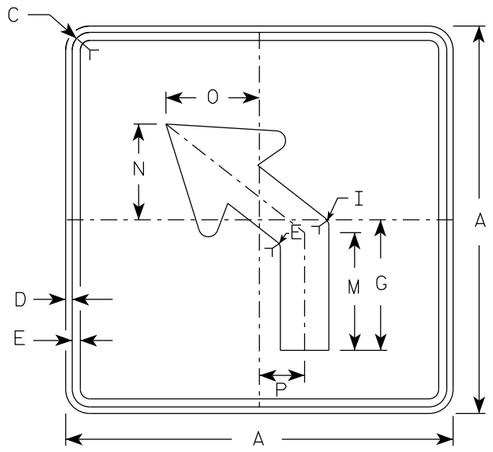
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/10/26 PLATE NO. M4-22.6

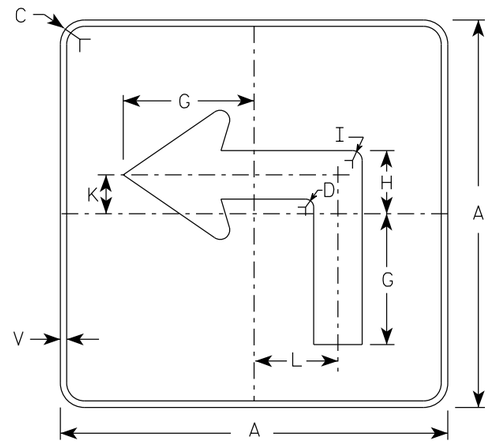
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 102 E



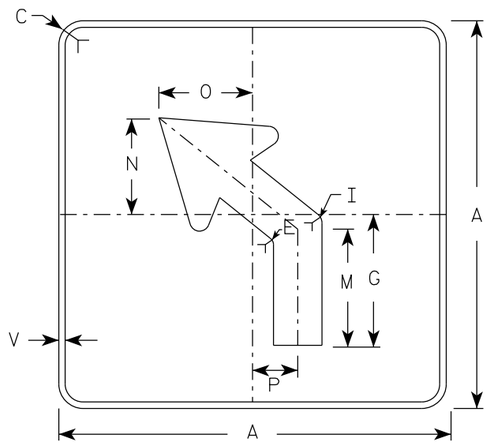
M5-1L
MM5-1L
MO5-1L
MP5-1L



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



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

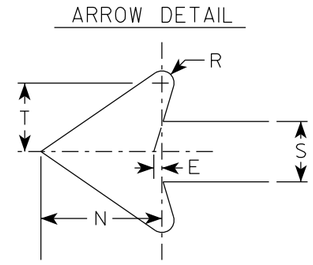


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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

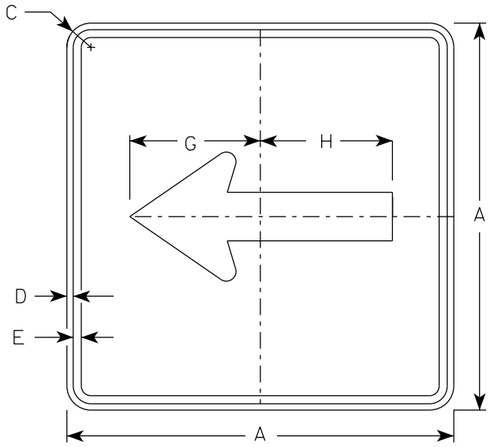
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

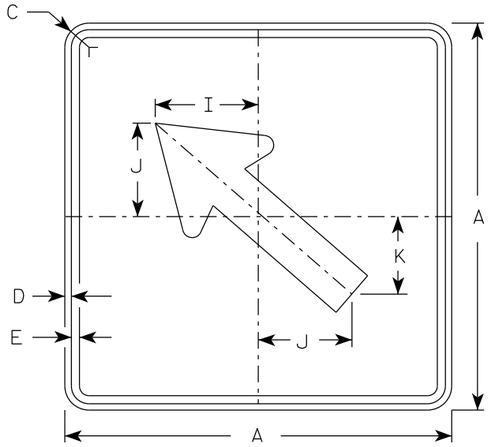
APPROVED Matthew R Rauch
for State Traffic Engineer

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

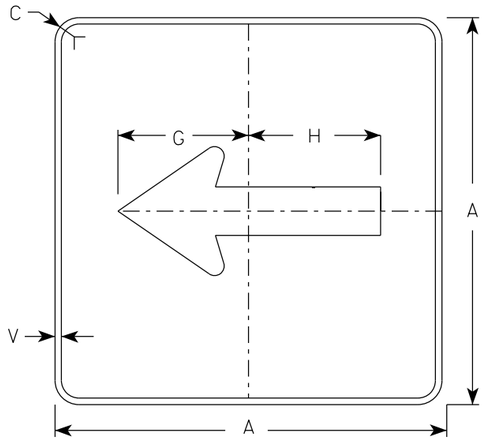
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 103 | E



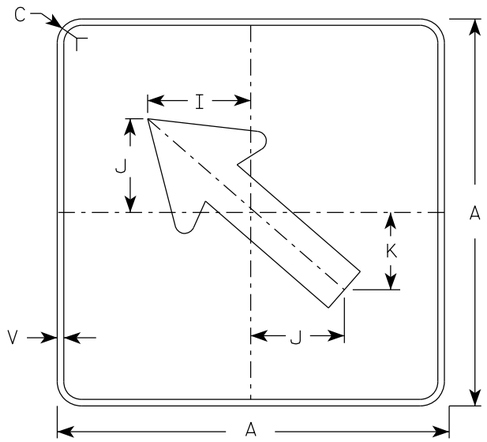
M6-1
MM6-1
MO6-1
MP6-1



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



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

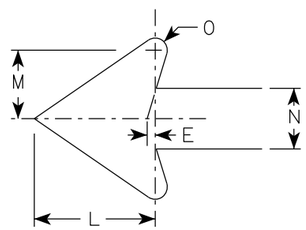


MB6-2
MK6-2
MN6-2
MR6-2

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

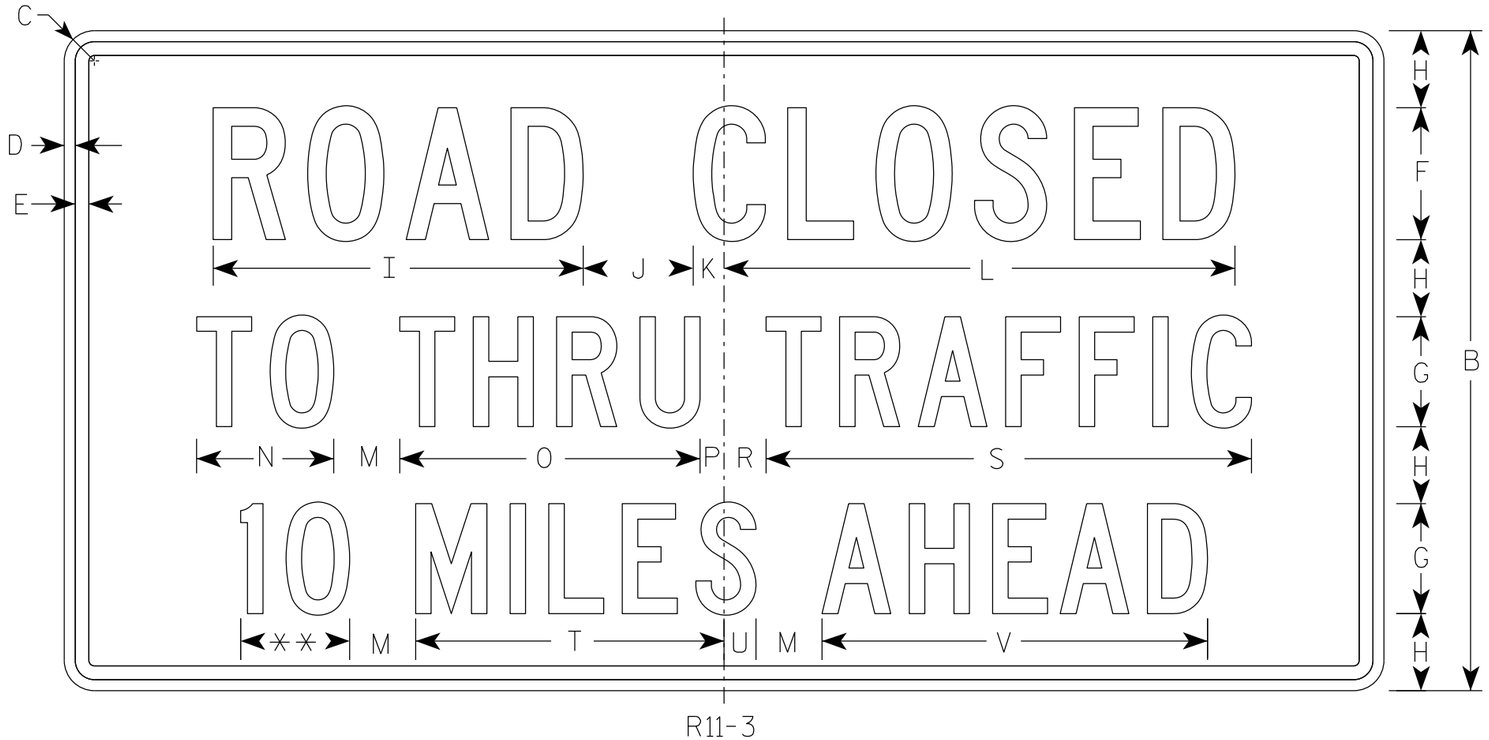
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 104 | E

7

7

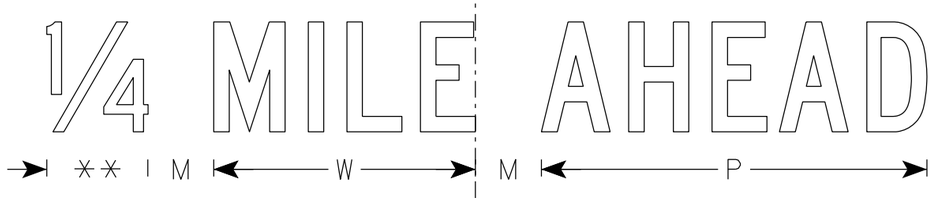
NOTES

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																											

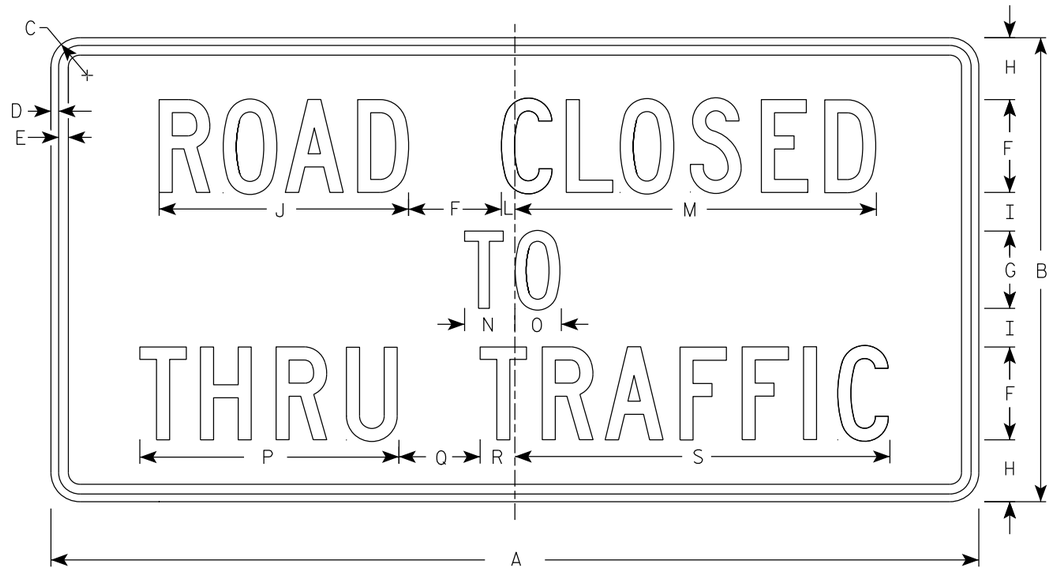
STANDARD SIGN
R11-3

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: 105	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																											

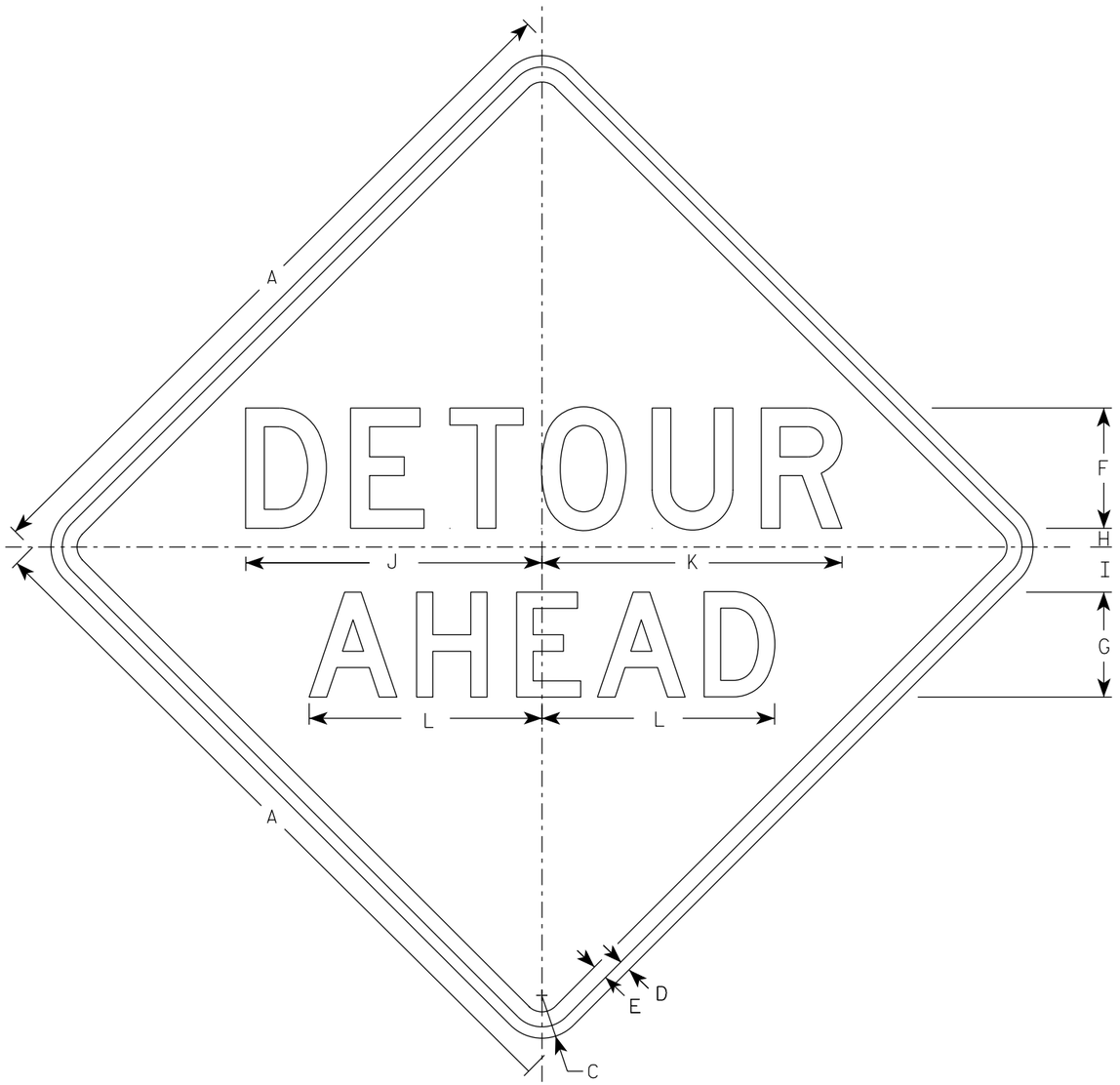
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

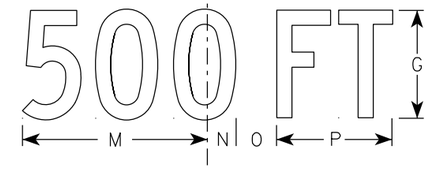
APPROVED Matthew R Rauch
for State Traffic Engineer

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

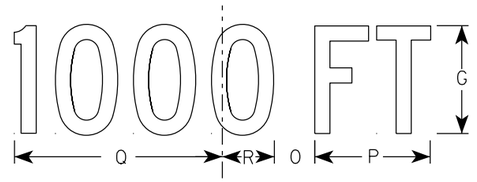
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 106 | E



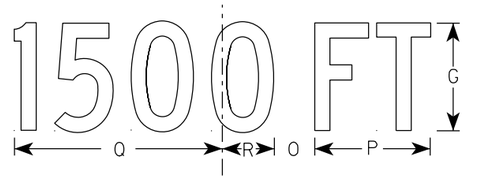
W20-2A



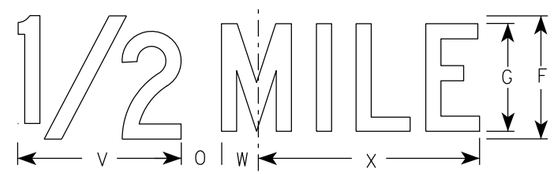
W20-2D



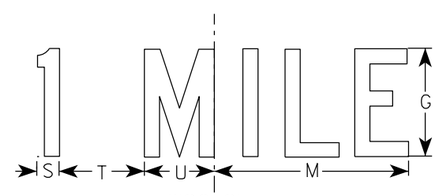
W20-2C



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

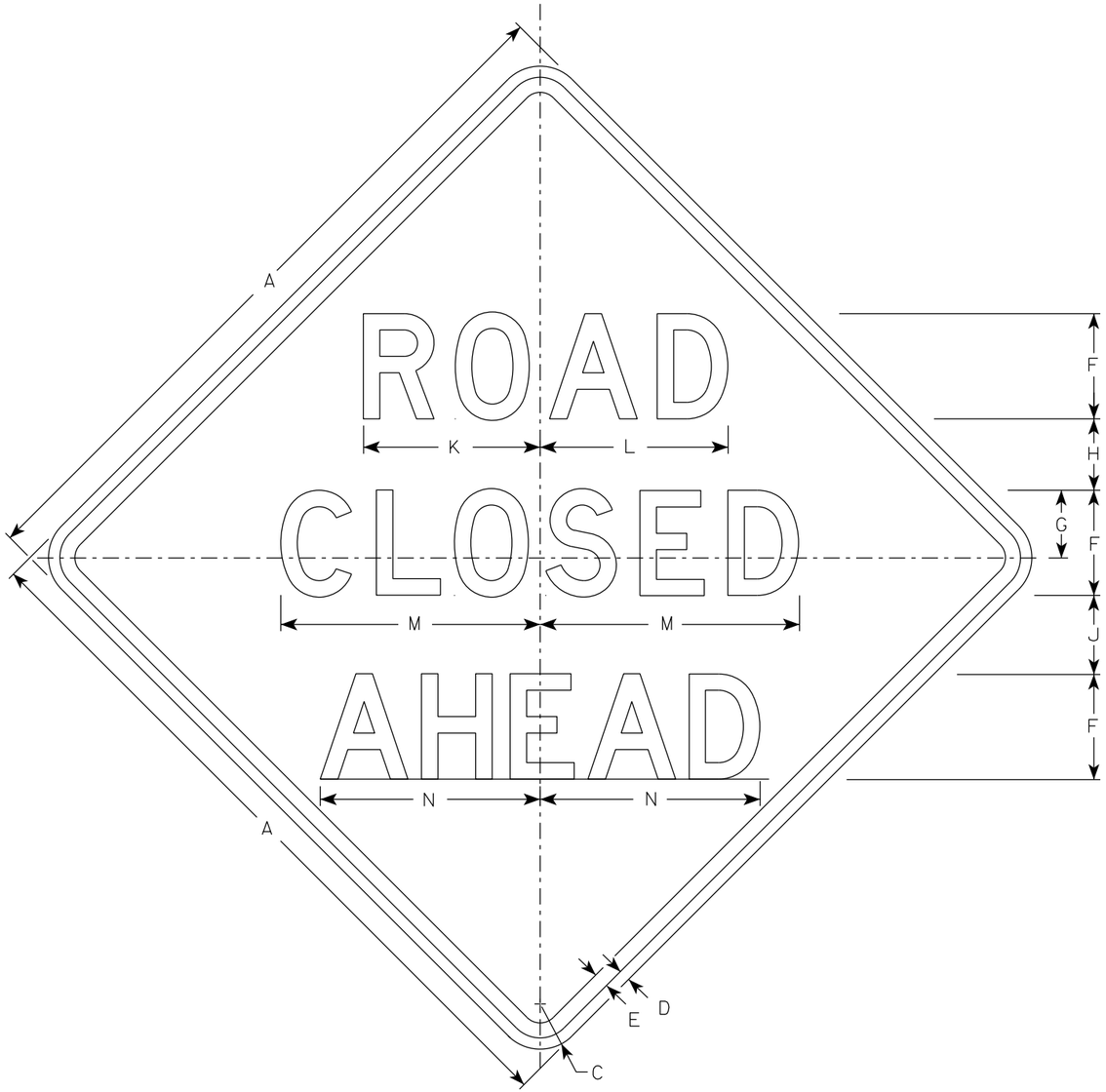
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

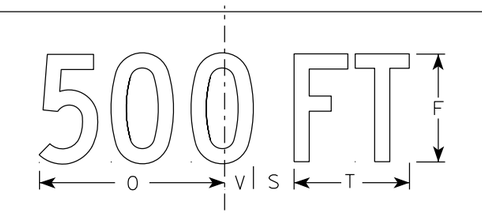
DATE 1/10/2024 PLATE NO. W20-2.7

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

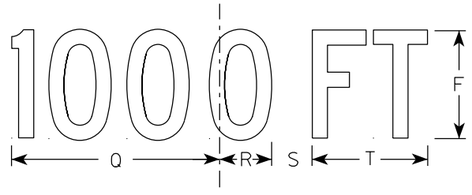
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



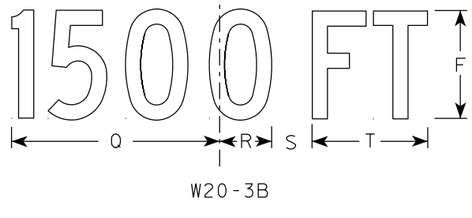
W20-3A



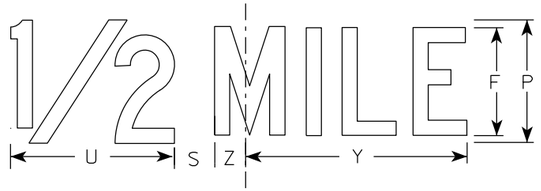
W20-3D



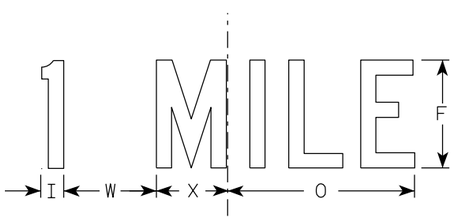
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	EXPANDED FILL/ BORROW	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
486+00.00	2.74	17.33	1.59	0	0	0	0	0	0	0	0	0
486+25.00	9.52	17.33	3.03	0	.	1	2	0	6	3	0	13
480.00	1.	122.	0	1.3	77	65	1	24	83	4	2	2
48.00	21.	1.81	0	2.41	14	134	0	48	2	4	8	38
4800.00	1.1	14.04	0	2.14	13	14	0	48	40	4	144	82
482.00	18.2	144.	0	1.8	1	138	0	48	2	4	202	123
480.00	1.22	13.2	0	1.2	1	131	0	48	8	4	2	11
48.00	18.38	138.12	0	1.8	1	12	0	48	3	4	31	1
48800.00	181.48	140.44	0	2.11	1	12	0	48	1130	4	34	23
4882.00	182.4	141.3	0	2.34	1	130	0	48	12	4	432	2
4880.00	1.1	138.	1.18	2.2	18	130	1	4	14	5	41	313
488.00	13.2	134.2	1.8	2.2	13	12	1	4	130	7	0	34
4800.00	1.2	124.2	2.08	2.2	14	120	2	4	184	9	08	380
482.00	148.	11.0	1.1	2.2	143	111	2	4	12	12	667	40
480.00	142.2	111.02	0.0	2.2	13	10	1	4	202	13	2	438
48.00	140.38	10.2	0	2.2	131	102	0	4	213	13	8	4
4000.00	13.	10.2	0	2.2	130	101	0	4	2323	13	844	4
402.00	132.8	103.84	0	2.2	12	99	0	4	244	13	02	23
400.00	120.2	4.2	0	2.2	11	2	0	4	2	13	1	48
40.00	103.1	81.	0	2.2	104	82	0	4	20	13	1020	0
4100.00	84.	8.0	1.	2.2	8	69	1	4	2	14	10	8
412.00	4.	0.40	.2	2.2	4	59	4	4	2831	20	1138	597
410.00	8.4	.8	10.	2.2	66	4	8	4	28	30	11	8
41.00	.2	0.00	13.41	2.2	2	2	11	4	2	44	12	20
4200.00	3.4	0.00	1.48	2.2	0	0	13	4	301	1	1314	3
422.00	0.28	0.00	20.3	2.2	2	0	1	4	3081	83	133	03
420.00	80.2	0.00	2.	2.2	0	0	22	4	311	112	1432	44
42.00	81.18	0.00	30.8	2.2	75	0	2	4	322	14	140	84
4300.00	81.0	0.00	33.04	2.2	75	0	30	4	3301	18	14	820
432.00	.08	0.00	38.44	2.2	2	0	33	4	333	22	108	84
430.00	.	0.00	43.8	2.2	65	0	38	4	3438	28	1	8
43.00	4.4	0.00	0.8	2.2	56	0	44	4	344	33	12	84
4400.00	41.4	0.00	0.2	2.2	44	0	2	4	338	403	184	840
442.00	3.	0.00	0.21	2.2	38	0	1	4	3	482	1843	799
440.00	3.8	0.00	.2	2.2	3	0	69	4	312	2	102	4
44.00	3.2	0.00	88.22	2.2	34	0	8	4	34	3	11	8
400.00	33.0	0.00	.	2.2	32	0	8	4	38	8	2020	8
42.00	28.88	0.00	8.31	2.2	2	0	0	4	30	02	208	10
40.00	24.8	0.00	8.1	2.2	2	0	1	4	332	1021	213	41
4.00	31.2	0.00	.14	2.2	2	0	0	4	38	1138	21	32
400.00	41.	0.00	.13	2.2	34	0	8	4	32	123	22	244
42.00	2.4	0.00	10.44	2.2	48	0	3	4	3840	134	2314	11
40.00	8.3	0.00	11.42	2.2	69	0	103	4	30	108	232	10

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	EXPANDED FILL/ BORROW	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
4.00	.12	0.00	12.	2.2	66	0	112	4	3	14	2431	2
400.00	32.02	0.00	134.0	2.2	41	0	120	4	401	1810	240	8
42.00	13.82	0.00	13.8	2.2	21	0	12	4	403	13	24	231
40.00	10.	0.00	142.1	2.2	11	0	130	4	4048	2142	208	38
4.00	10.12	0.00	14.2	2.2	10	0	134	4	408	231	2	4
4800.00	.1	0.00	13.	2.2	9	0	13	4	40	24	22	2
482.00	.	0.00	13.	2.2	9	0	142	4	40	282	284	01
480.00	10.3	0.00	12.2	2.2	10	0	142	4	408	28	2843	10
48.00	11.4	0.00	11.2	2.2	10	0	141	4	40	300	202	124
400.00	11.13	0.00	10.3	2.2	10	0	140	4	410	3232	20	1421
42.00	12.44	0.00	14.4	2.2	11	0	13	4	411	3410	301	188
40.00	.0	0.00	13.8	2.33	10	0	132	4	412	382	308	10
4.00	.44	0.00	13.1	2.1	7	0	128	48	4134	348	313	10
0000.00	2.0	0.00	13.	1.88	3	0	12	48	413	312	313	200
002.00	1.24	0.00	131.43	1.1	2	0	124	48	413	403	321	222
000.00	2.88	0.00	122.	1.88	2	0	118	48	4141	422	3308	2380
00.00	4.	0.00	112.3	2.1	3	0	10	48	4144	438	33	21
0100.00	.1	0.00	.0	2.43	4	0	97	48	4148	444	3424	241
012.00	10.1	0.00	1.3	2.1	7	0	8	4	41	4	3482	23
010.00	1.22	0.00	4.2	2.	12	0	55	4	41	4	341	2
01.00	13.3	0.00	31.23	2.4	13	0	3	4	4180	414	300	282
0200.00	8.4	1.33	24.	2.22	10	8	2	48	410	448	38	281
022.00	14.1	1.33	20.04	1.4	10	1	21	48	4200	4	31	284
020.00	1.1	1.2	20.8	1.8	1	1	1	48	421	4800	33	220
02.00	18.3	18.11	1.21	1.84	18	1	1	48	4234	4824	3830	243
0300.00	21.02	20.10	13.0	2.0	18	18	1	48	422	4844	3888	23
032.00	21.	20.81	34.	2.2	20	1	22	48	422	482	34	20
030.00	43.8	3.18	12.8	2.4	30	2	22	4	4302	401	4004	301
03.00	0.33	4.8	10.8	2.2	48	40	11	4	430	41	403	3022
0400.00	82.32	.0	0.4	2.2	66	4	5	4	441	422	4122	301
042.00	10.	83.	0.	2.2	8	69	1	4	403	423	4181	3000
040.00	131.83	103.21	2.88	2.2	110	8	2	4	413	42	4240	2
04.00	1.4	121.8	3.4	2.2	133	104	3	4	44	430	428	24
000.00	1.	13.0	4.23	2.2	1	120	4	4	401	43	43	224
02.00	1.21	0.00	.2	2.2	1	4	5	4	00	441	441	283
00.00	14.	0.00	8.33	2.2	144	0	7	4	204	40	44	200
0.00	12.	0.00	10.2	2.2	12	0	9	4	331	42	434	28
000.00	113.2	0.00	12.1	2.2	112	0	10	4	443	4	42	248
02.00	10.	0.00	12.	2.2	101	0	12	4	44	41	41	2401
00.00	100.01	0.00	13.3	2.2	95	0	12	4	3	00	410	2321
0.00	.	0.00	13.	2.2	1	0	12	4	30	022	4	224
000.00	2.3	0.00	13.	2.2	8	0	13	4	81	03	4828	21
02.00	8.83	0.00	13.82	2.2	83	0	13	4	00	0	488	2110

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS EARTWOR DATA	SEET 109	E

FILE NAME NPDSC3D800001SEETS00100XS.DWG
LAYOUT NAME EW1

PLOT DATE /24/202 22 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN FT OR. / 1 IN2 FT VERT.

WISDOT/CADDS SEET 4

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	EXPANDED FILL/ BORROW	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
00.00	8.	0.00	21.43	2.2	8	0	1	4	8	0	44	203
0.00	.88	0.00	20.42	2.2	4	0	1	4	022	101	004	2033
0800.00	.2	0.00	18.4	2.2	3	0	18	4	0	12	03	2004
082.00	2.3	0.00	1.31	2.2	1	0	1	4	12	14	122	13
080.00	.28	0.00	.	2.2	1	0	10	4	18	18	180	12
08.00	80.	0.00	.0	2.2	4	0	6	4	21	1	23	18
000.00	84.31	0.00	3.38	2.2	77	0	4	4	338	11	28	18
02.00	81.3	0.00	4.11	2.2	77	0	3	4	41	1	3	114
00.00	.	0.00	.01	2.2	75	0	4	4	40	181	41	14
0.00	8.01	0.00	.8	2.2	3	0	5	4	3	18	44	18
1000.00	80.24	0.00	.2	2.2	3	0	6	4	3	1	33	113
102.00	84.22	.0	4.	2.2	76	31	5	4	12	201	2	144
100.00	1.4	3.2	3.22	2.2	82	65	4	4	4	20	1	143
10.00	.8	.	1.2	2.2	88	0	2	4	882	20	10	144
1100.00	.0	8.3	0	2.2	1	2	1	4	3	210	8	142
112.00	.83	4.4	1.2	2.2	77	2	1	4	00	212	82	141
110.00	8.4	.3	3.0	2.2	3	1	2	4	113	214	88	140
11.00	1.	8.2	4.3	2.2	65	3	4	4	18	220	4	1400
1200.00	108.12	8.42	0	2.2	83	67	2	4	21	222	004	138
122.00	12.	.	0	2.2	10	8	0	4	30	222	02	133
120.00	13.8	10.1	0	2.2	123	97	0	4	43	222	121	133
12.00	13.8	11.82	0.34	2.2	13	10	0	4	2	222	180	130
1300.00	131.88	103.24	3.1	2.2	132	103	2	4	1	22	23	1281
132.00	121.4	.38	.1	2.2	11	2	5	4	88	231	28	122
130.00	113.01	8.0	8.4	2.2	10	8	10	4	8	244	3	121
13.00	104.1	82.4	8.38	2.3	101	79	10	4	8088	2	41	1242
1400.00	.	.	8.3	2.1	4	4	8	4	8182	28	44	1233
142.00	10.02	83.8	.2	1.4	4	75	6	4	82	2	33	1221
140.00	120.02	4.3	3.8	1.8	10	82	4	4	8381	281	2	1204
14.00	14.03	113.8	2.2	1.82	123	96	3	4	804	28	0	1181
100.00	10.	14.3	0.	2.0	1	121	1	4	80	28	0	114
12.00	221.48	10.44	3.01	2.3	11	14	2	4	881	288	8	110
10.00	22.0	1.14	0	2.4	20	10	1	4	00	20	82	108
1800.00	202.3	1.10	0	2.8	320	24	0	8	380	20	20	8
									SECTION SUBTOTAL	380	20	20	8

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
182.00	22.	13.1	0	2.8	211	12	0	4	1	20	80	3
180.00	28.83	20.	0	2.8	241	18	0	4	832	20	03	880
18.00	20.	222.28	0	2.8	2	18	0	4	1001	20	0	81
100.00	311.	238.30	0	2.8	2	213	0	4	1030	20	1	3
12.00	304.8	233.00	0	2.8	28	218	0	4	10	20	21	8
10.00	23.4	224.4	0	2.8	2	212	0	4	1033	20	24	20
1.00	28.22	221.2	0	2.8	20	20	0	4	11203	20	333	-556
2000.00	28.3	220.13	0	2.8	2	204	0	4	1140	20	31	43
202.00	24.38	11.3	0.1	2.8	24	11	0	4	111	20	40	43
200.00	220.41	1.4	1.32	2.8	21	1	1	4	113	21	0	38
20.00	20.0	18.13	8.21	2.8	1	12	4	4	12133	2	8	34
2100.00	1.11	12.1	1.43	2.8	18	144	11	4	1231	311	2	31
212.00	1.13	128.18	1.	2.8	18	130	1	4	1248	331	8	302
210.00	128.	101.0	18.83	2.	13	10	1	4	1223	33	44	24
21.00	10.21	83.24	20.2	2.38	108	8	18	4	1231	3	803	24
2200.00	1.	8.10	28.2	2	82	65	23	48	12813	40	81	30
222.00	3.4	44.4	2.	1.	8	4	2	48	1281	442	18	331
220.00	40.1	34.	28.	1.4	44	3	2	48	121	4	7,976	3
22.00	0.2	1.33	42.0	2.32	1	24	33	48	1234	20	8033	40
2300.00	0	1.33	8.3	2.2	0	1	4	4	1234	81	802	484
232.00	0	1.33	0.08	2.2	0	1	55	4	1234	2	811	2
230.00	0	1.33	3.8	2.2	0	1	57	4	1234	2	8210	2
23.00	0	1.33	.03	2.2	0	1	0	4	1234	80	82	-756
2400.00	0	1.33	2.	2.2	0	1	4	4	1234	888	832	8
242.00	0	1.33	80.0	2.2	0	1	1	4	1234	80	838	3
240.00	0	1.33	8.3	2.2	0	1	83	4	1234	088	844	108
24.00	0	1.33	108.1	2.2	0	1	96	4	1234	213	804	1228
200.00	0	1.33	123.1	2.2	0	1	10	4	1234	32	83	1383
22.00	0	1.33	1.2	2.2	0	1	13	4	1234	33	821	180
20.00	2.	1.33	12.8	2.2	1	1	141	4	123	1	880	18
2.00	.44	1.33	122.23	2.2	4	1	11	4	123	8	83	140
200.00	.02	1.33	121.48	2.2	6	1	113	4	124	012	88	20
22.00	8.	1.33	11.08	2.2	7	1	110	4	122	1	88	224
20.00	.21	1.33	11.4	2.2	7	1	108	4	12	2	81	238
2.00	.84	1.33	103.2	2.2	7	1	102	4	12	428	84	240

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
200.00	12.	1.33	8.42	2.1	10	1	8	4	12	44	033	21
22.00	1.2	1.33	80.8	2.1	13	1	79	4	128	4	02	2
20.00	1.1	1.33	.1	1.	1	1	4	4	13004	43	11	284
2.00	8.3	1.33	2.3	1.4	11	1	0	4	1301	834	20	20
2800.00	.	1.33	.8	1.	7	1	0	4	13022	12	28	304
282.00	.22	1.33	4.1	1.	6	1	48	4	13028	4	32	3120
280.00	43.11	3.	3.0	1.8	23	2	3	48	1301	802	38	312
28.00	4.	40.30	41.18	2	42	3	3	48	1303	802	442	3213
200.00	0.8	42.4	43.82	2.3	4	38	3	48	1313	8122	00	32
22.00	.8	4.24	42.	2.2	4	41	40	4	13188	814	9,559	3300
20.00	.3	48.81	3.11	2.2	3	44	38	4	13241	8224	1	3340
2.00	1.24	.	33.8	2.2	0	4	34	4	13301	828	9,676	333
3000.00	1	2.8	24.	2.2	75	0	2	4	133	8303	3	333
302.00	10.	84.40	2.44	2.2	2	3	24	4	1348	8334	4	340
300.00	121.2	.2	2.	2.2	10	83	2	4	134	83	83	341
30.00	13.1	10.2	1.22	2.43	120	4	1	4	134	832	11	3414
3100.00	.8	.	12.0	0	10	8	13	24	13803	8408	40	340
312.00	57	4.08	.18	0	1	57	6	0	1384	841	40	3401
310.00	4.	41.80	0.8	0	0	41	3	0	1324	8420	40	33
31.00	0.38	42.12	0	0	4	3	0	0	130	8420	40	3388
3200.00	.84	1.33	0.0	0	2	28	0	0	13	8420	40	330
322.00	.2	1.33	0	0	6	1	0	0	14002	8420	40	3400
320.00	.18	1.33	0	0	5	1	0	0	1400	8420	40	3411
32.00	3.83	1.33	0	0	4	1	0	0	14011	8420	40	3423
3300.00	2.82	1.33	0.08	0	3	1	0	0	14014	8420	40	343
332.00	2.8	1.33	0.1	0	3	1	0	0	1401	8420	40	344
330.00	2.8	1.33	0.12	0	3	1	0	0	14020	8420	40	342
33.00	0	1.33	0	0.00	0	13	0	0	14020	8420	40	34

SECTION SUBTOTAL	440	3130	301	240
SUBTOTAL	14020	8420	40	34

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9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS EARTWOR DATA	SEET 111	E

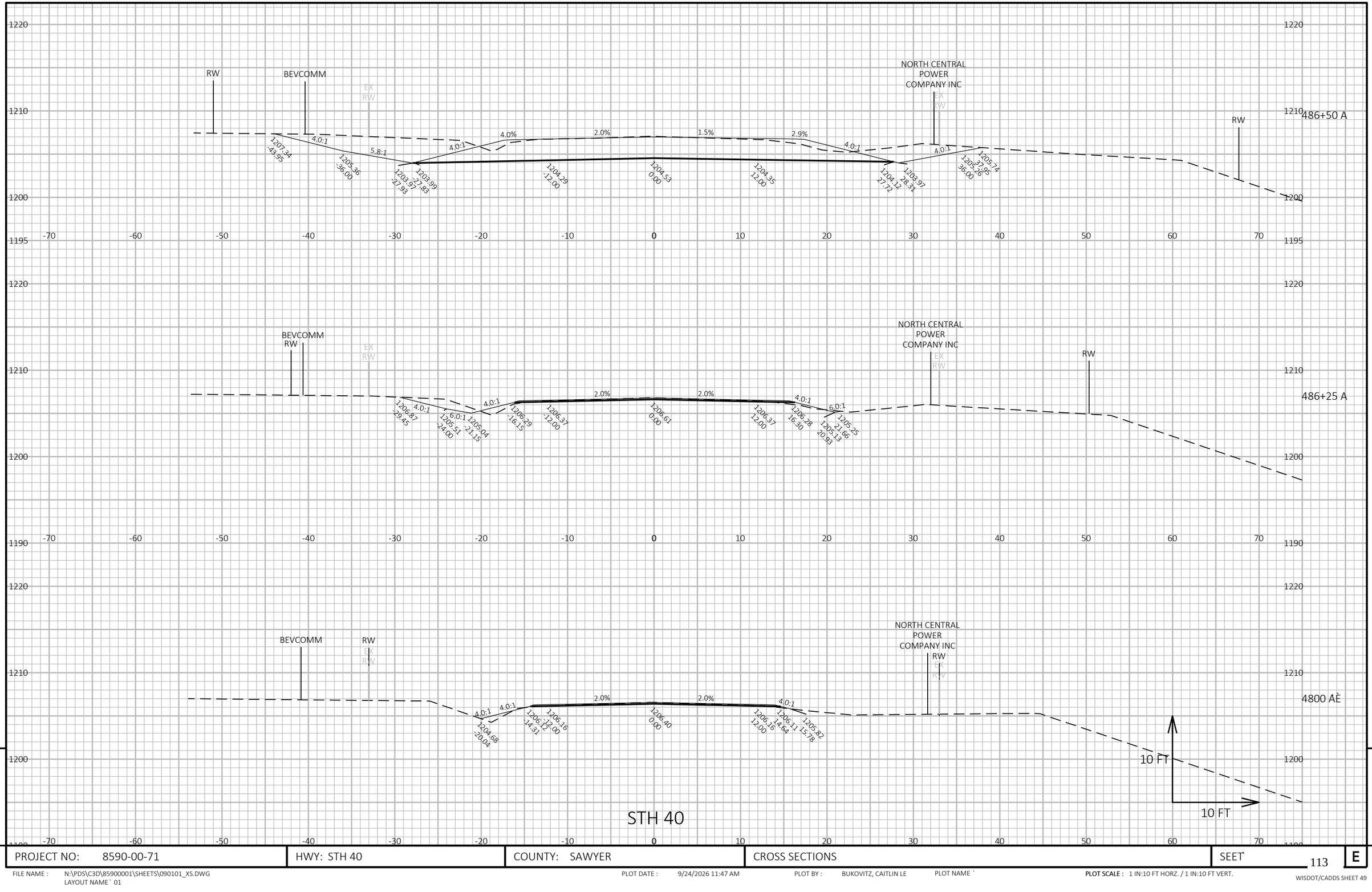
FILE NAME NPDSC3D800001SEETS00100XS.DWG
LAYOUT NAME EW3

PLOT DATE /24/202 22 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN FT OR. / 1 IN2 FT VERT.

WISDOT/CADDS SEET 4

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
DWY 481	0		0									
040	12.3	12.3	3.38	0	2	5	1	0	2	1	0	4
00	1.2	1.2	3.8	0	6	6	1	0	8	3	0	-6
00	4.14	4.14	0.1	0	12	12	1	0	20	4	0	-7
00	38.3	38.3	0.13	0	1	1	0	0	3	4	0	-7
080	33.8	33.80	1.	0	13	13	4	0	4	9	0	12
00	24.24	24.24	.1	0	11	11	1	0	0	2	0	32
100	11.81	11.81	128.08	0	7	7	3	0	67	4	0	-77
110	0.1	0.1	12.	0	2	2	4	0	69	13	0	138
120	2.8	2.80	12.11	0	1	1	4	0	0	1	0	1
130	2.	2.0	144.24	0	1	1	0	0	1	21	0	24
140	0	0.00	13.4	0	1	1	57	0	2	33	0	338
10	0	0.00	183.8	0	0	0	4	0	2	41	0	422
10	0	0.00	211.3	0	0	0	3	0	2	14	0	1
10	0	0.00	23.3	0	0	0	83	0	2	21	0	24
180	0	0.00	2.2	0	0	0	3	0	2	42	0	4
10	0		24.3	0	0	0	100	0	2	82	0	8
DWY 02	0		0									
000	0	0.00	0	0	0	0	0	0	0	0	0	0
010	0	0.00	13.	0	0	0	3	0	0	4	0	4
020	0	0.00	24.01	0	0	0	7	0	0	13	0	13
030	0	0.00	34.1	0	0	0	11	0	0	2	0	2
040	0	0.00	43.1	0	0	0	14	0	0	4	0	4
00	0	0.00	4.	0	0	0	1	0	0	8	0	8
00	0	0.00	.22	0	0	0	21	0	0	95	0	-95
00	0	0.00	0	0	0	0	12	0	0	111	0	111
DWY 0	0		0									
00	.0	.0	0	0	8	1	0	0	8	0	0	-9
00	28.2	28.2	0	0	7	7	0	0	1	0	0	-9
00	3.0	3.0	1	0	12	12	0	0	2	0	0	-9
080	2.2	2.2	.03	0	11	11	1	0	38	1	0	10
00	9	.00	28.4	0	6	6	7	0	44	10	0	1
100	0.8	0.80	8.0	0	2	2	1	0	4	31	0	40
110	0	0.00	102.8	0	0	0	30	0	4	0	0	-79
120	0	0.00	114.32	0	0	0	40	0	4	122	0	131
130	0	0.00	11.	0	0	0	43	0	4	18	0	18
140	0	0.00	11.3	0	0	0	44	0	4	23	0	244
10	0	0.00	11.28	0	0	0	43	0	4	21	0	300
10	0	0.00	112.2	0	0	0	42	0	4	34	0	3
10	0	0.00	11.2	0	0	0	42	0	4	400	0	40
180	0	0.00	12.1	0	0	0	4	0	4	40	0	48
					SECTION SUBTOTAL				118	1443	0	132

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
DWY 0	0		0									
000	0	0.00	0	0	0	0	0	0	0	0	0	0
010	1.2	1.2	1.3	0	3	3	0	0	3	0	0	0
020	2.8	2.8	0	0	8	8	0	0	11	0	0	0
030	3.4	3.4	0	0	1	1	0	0	30	0	0	0
040	4.4	4.4	3.4	0	22	22	0	0	2	0	0	0
00	2.4	2.4	20.8	0	13	13	5	0	65	7	0	-7
00	8.14	8.14	43.2	0	6	6	12	0	1	22	0	22
00	0	0.00	3.	0	2	2	22	0	3	1	0	1
080	0	0.00	.3	0	0	0	28	0	3	8	0	8
00	0	0.00	.3	0	0	0	2	0	3	12	0	12
100	0	0.00	8.42	0	0	0	31	0	3	1	0	1
110	0	0.00	.41	0	0	0	34	0	3	20	0	20
120	0	0.00	113.	0	0	0	3	0	3	20	0	20
130	0	0.00	12.22	0	0	0	4	0	3	31	0	31
140	0	0.00	142.4	0	0	0	0	0	3	384	0	384
143.33	0	0.00	143.4	0	0	0	18	0	3	40	0	40
DWY 1280	0		0									
040	0.4	0.4	0	0	0	0	0	0	0	0	0	0
00	2.3	2.3	0	0	6	11	0	0	6	0	0	-5
00	10.4	10.4	0	0	7	7	0	0	13	0	0	-5
03.8	4.1	4.1	0	0	1	1	0	0	14	0	0	-5
					SECTION SUBTOTAL				8	40	0	320
					SUBTOTAL				20	180	0	14



9

9

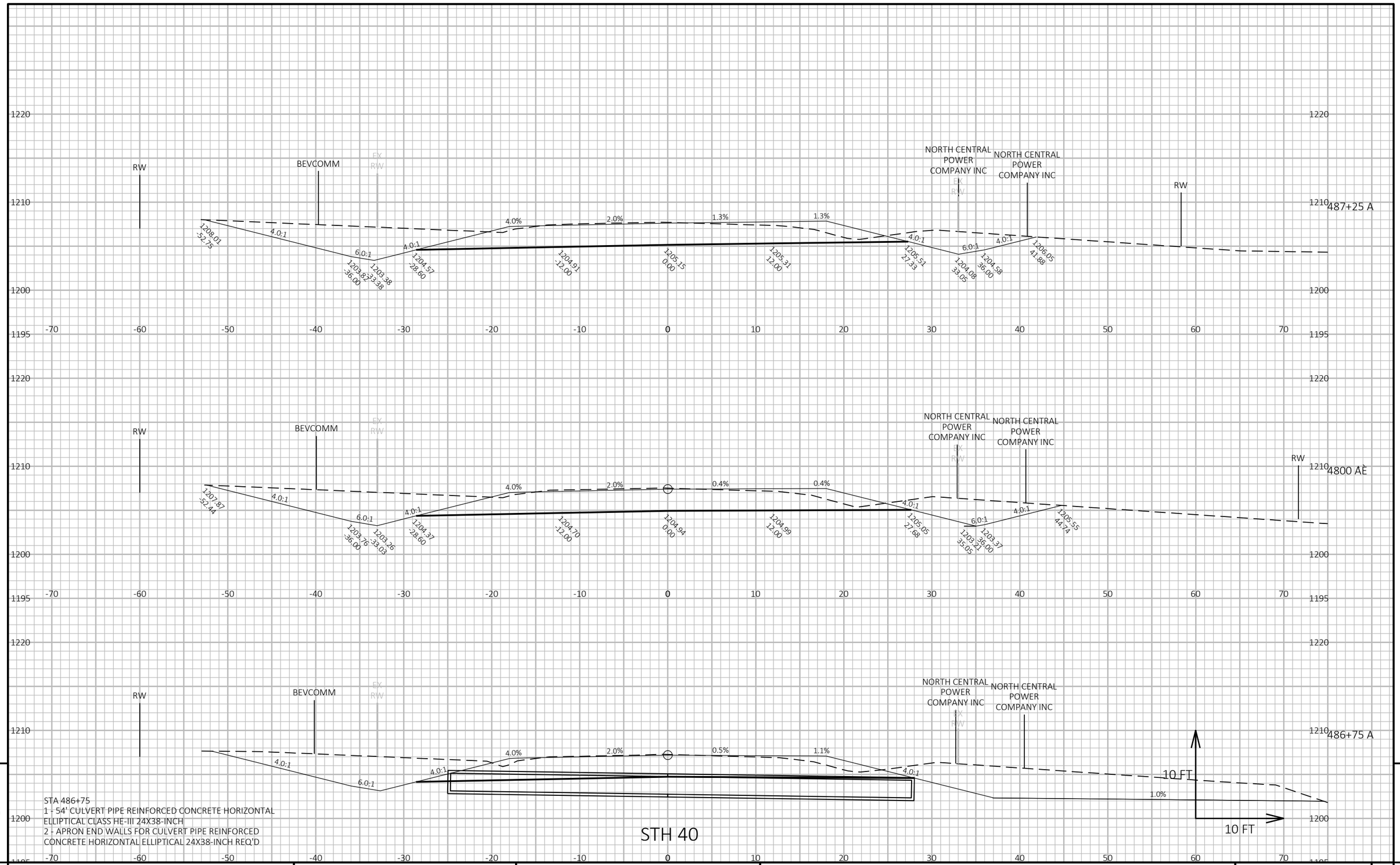
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 113	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 01

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

STA 486+75
1 - 54' CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH
2 - APRON END WALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH REQ'D

9

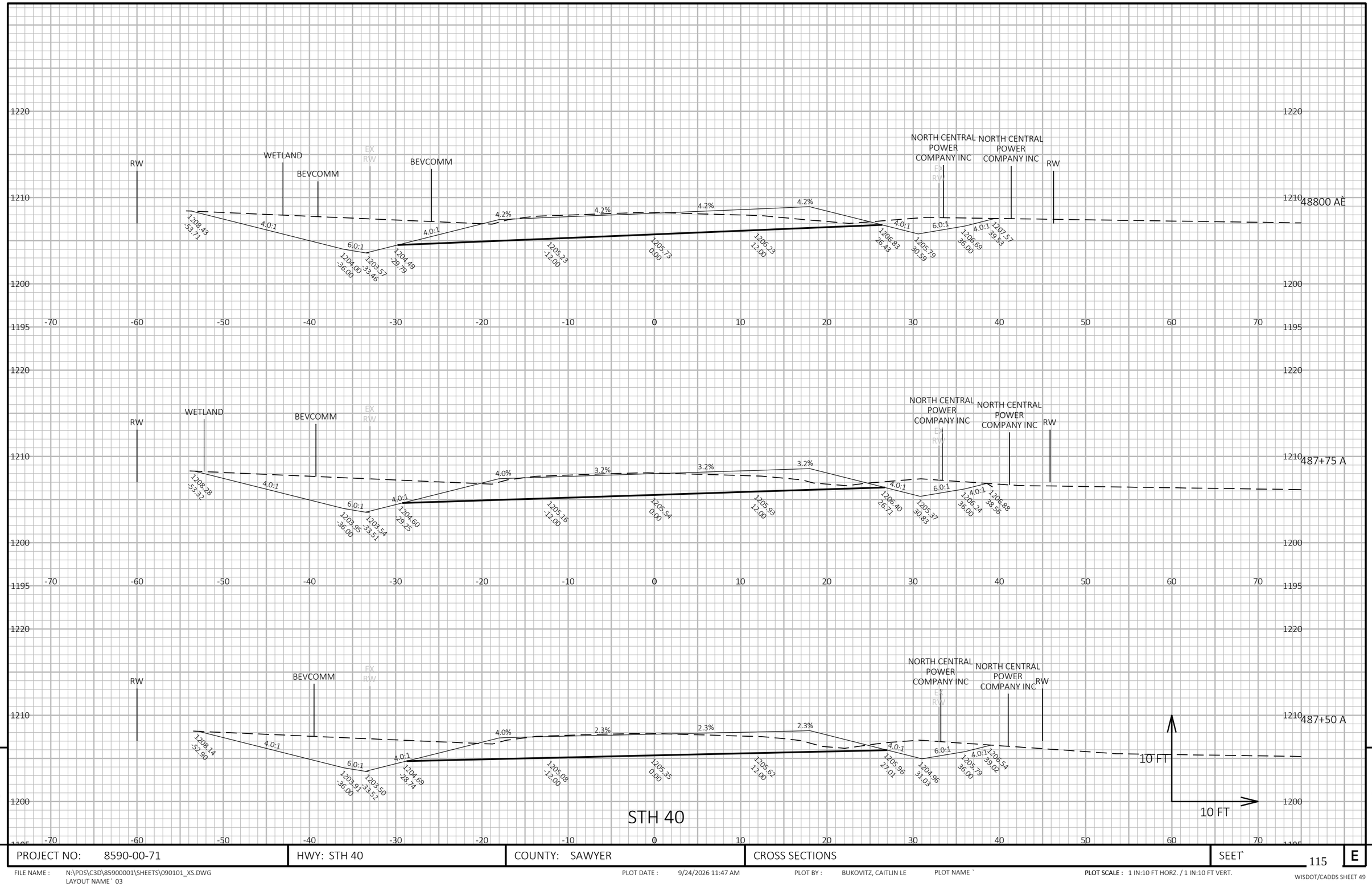
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 114	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 02

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



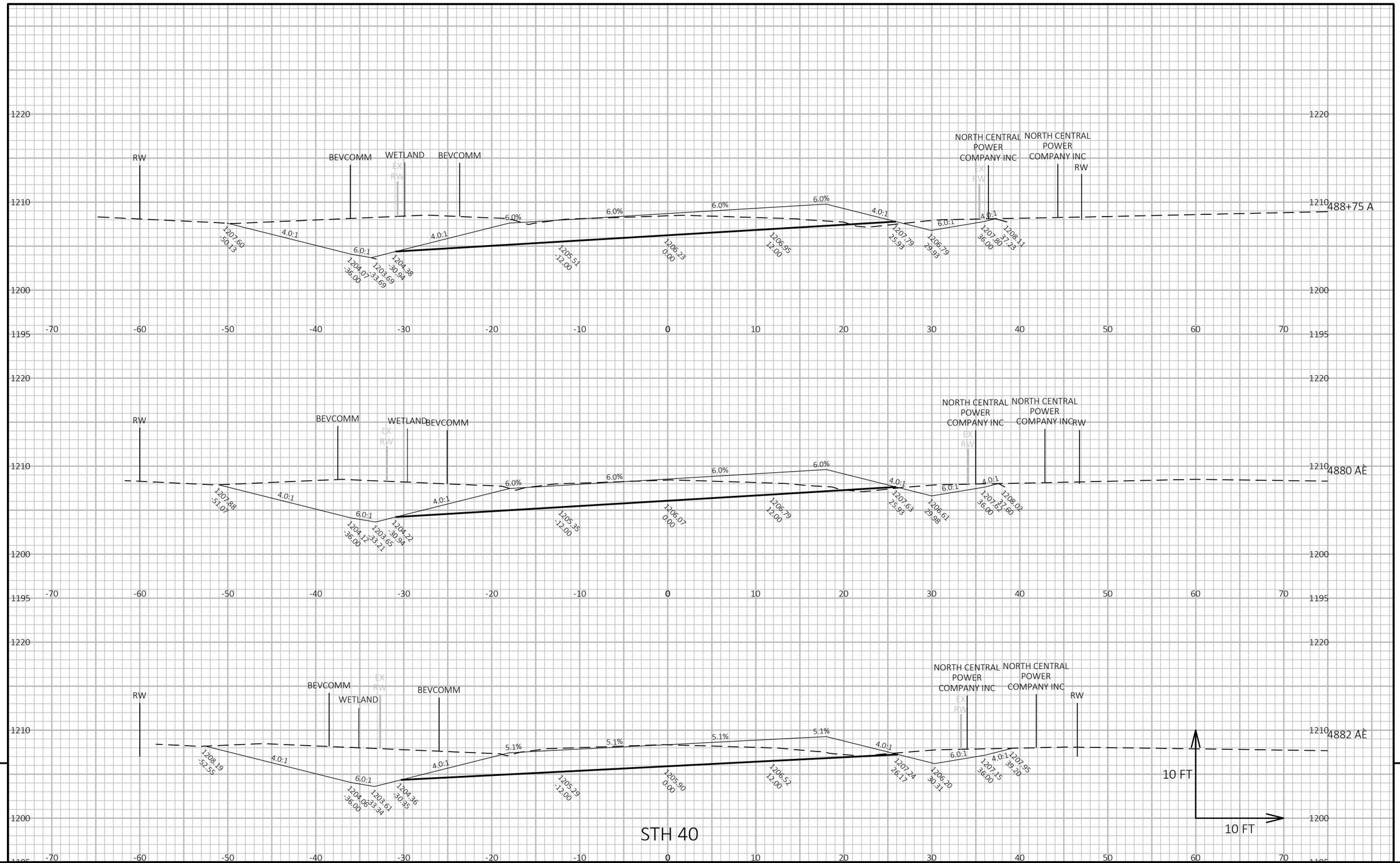
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 115	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 03

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



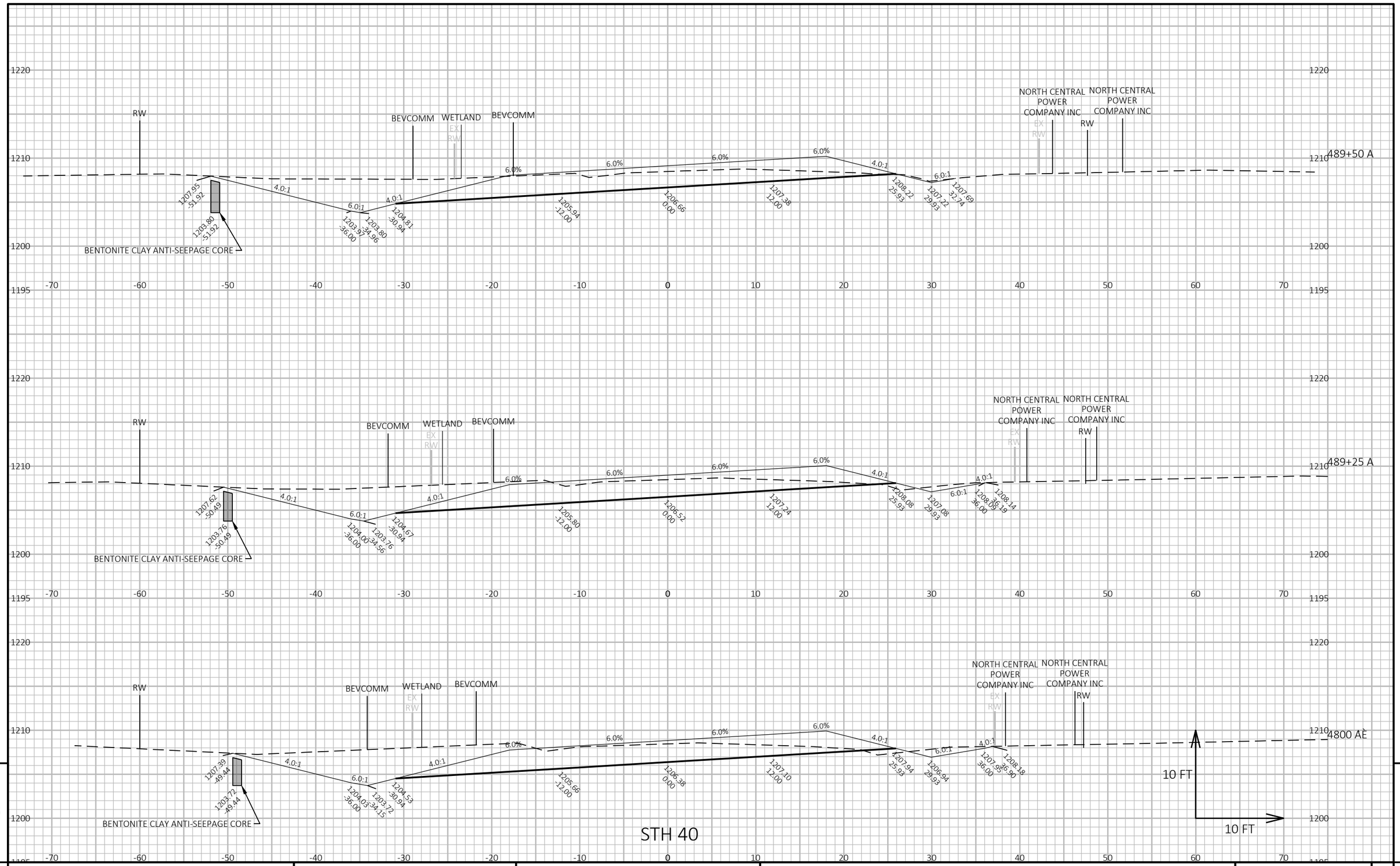
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 116	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 04

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 117	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME : 05

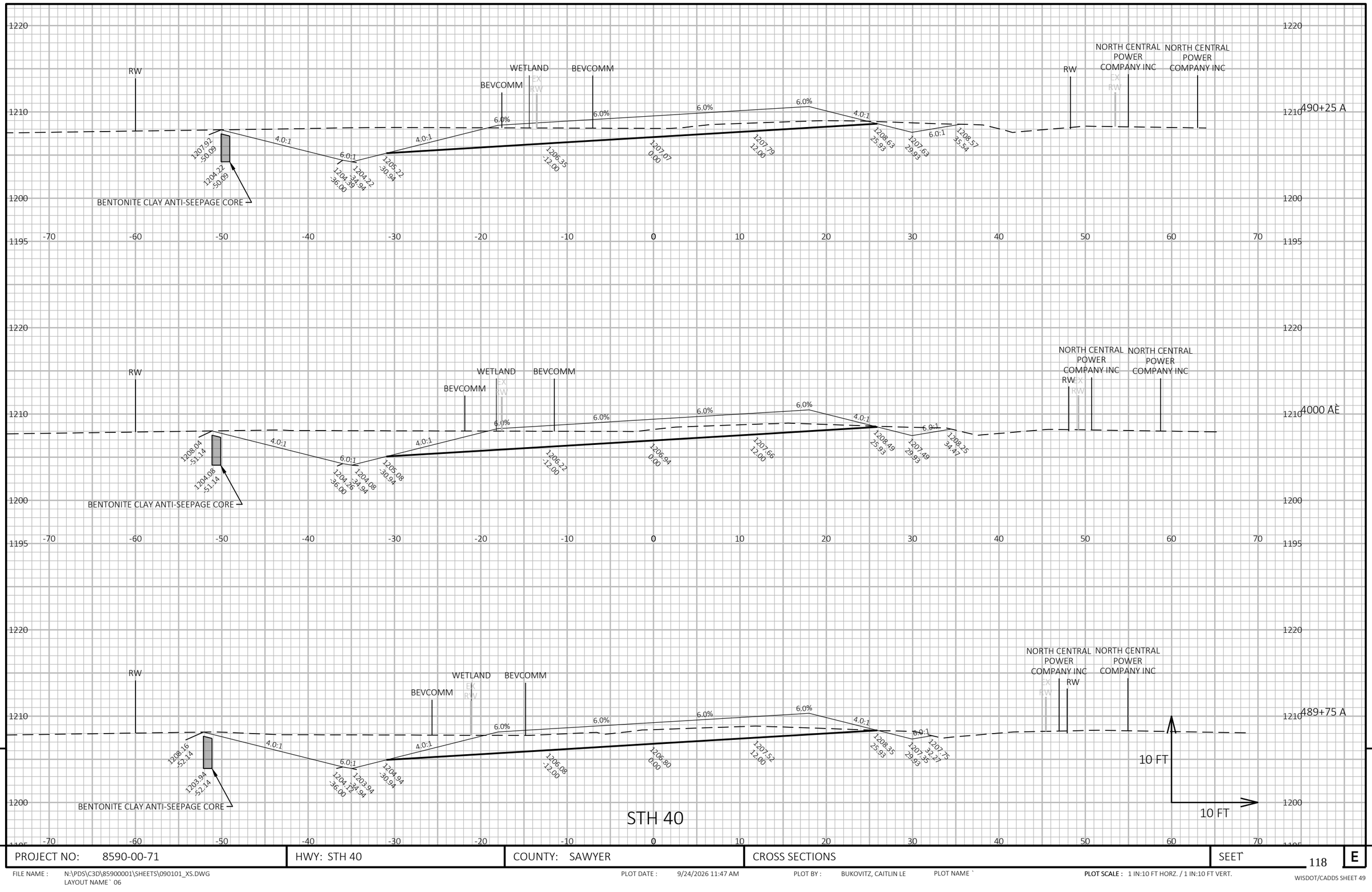
PLOT DATE : 9/24/2026 11:47 AM

PLOT BY : BUKOVITZ, CAITLIN LE

PLOT NAME :

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

WISDOT/CADDS SHEET 49



STH 40

9

9

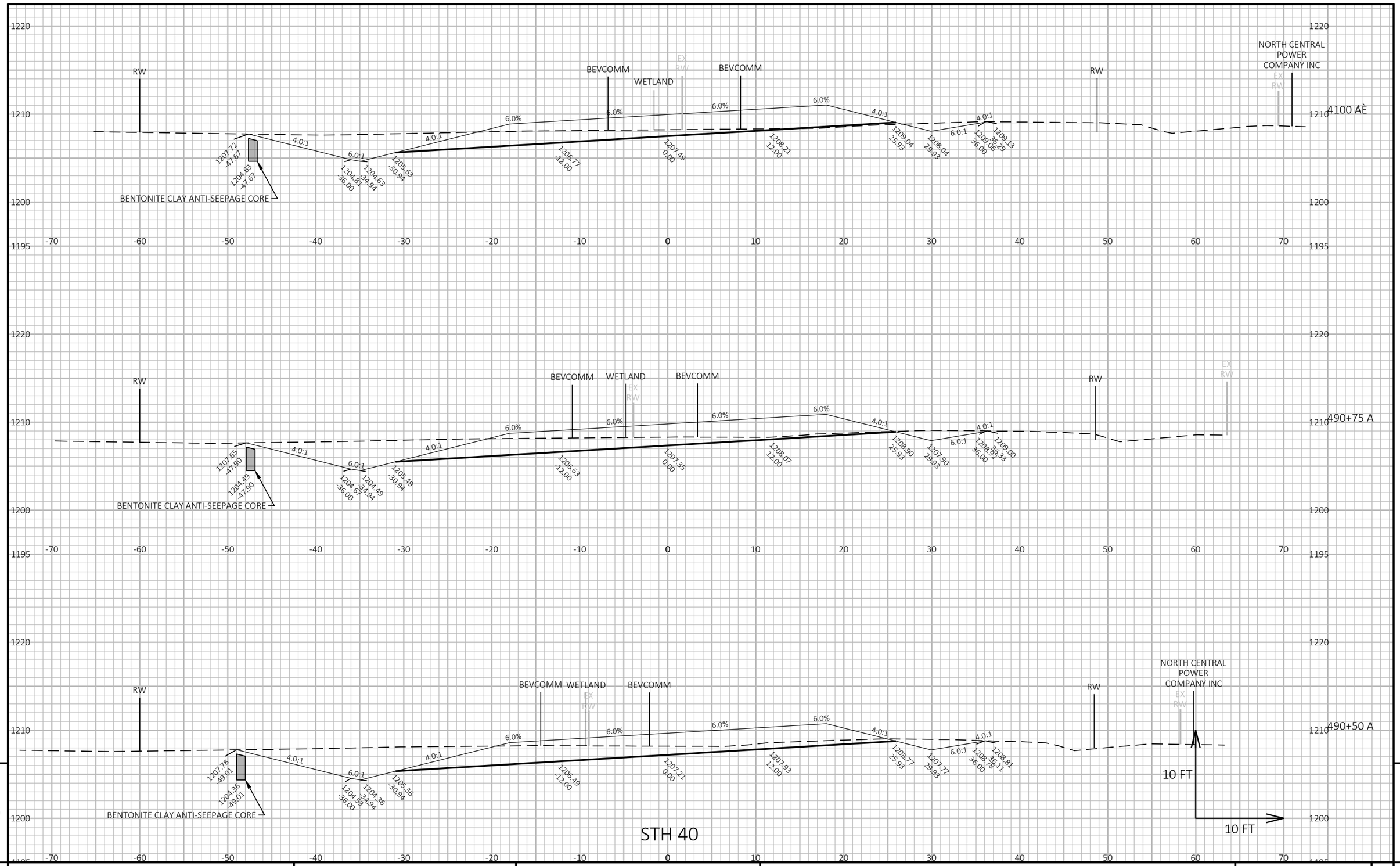
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 118	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 06

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 119	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 07

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49

STH 40

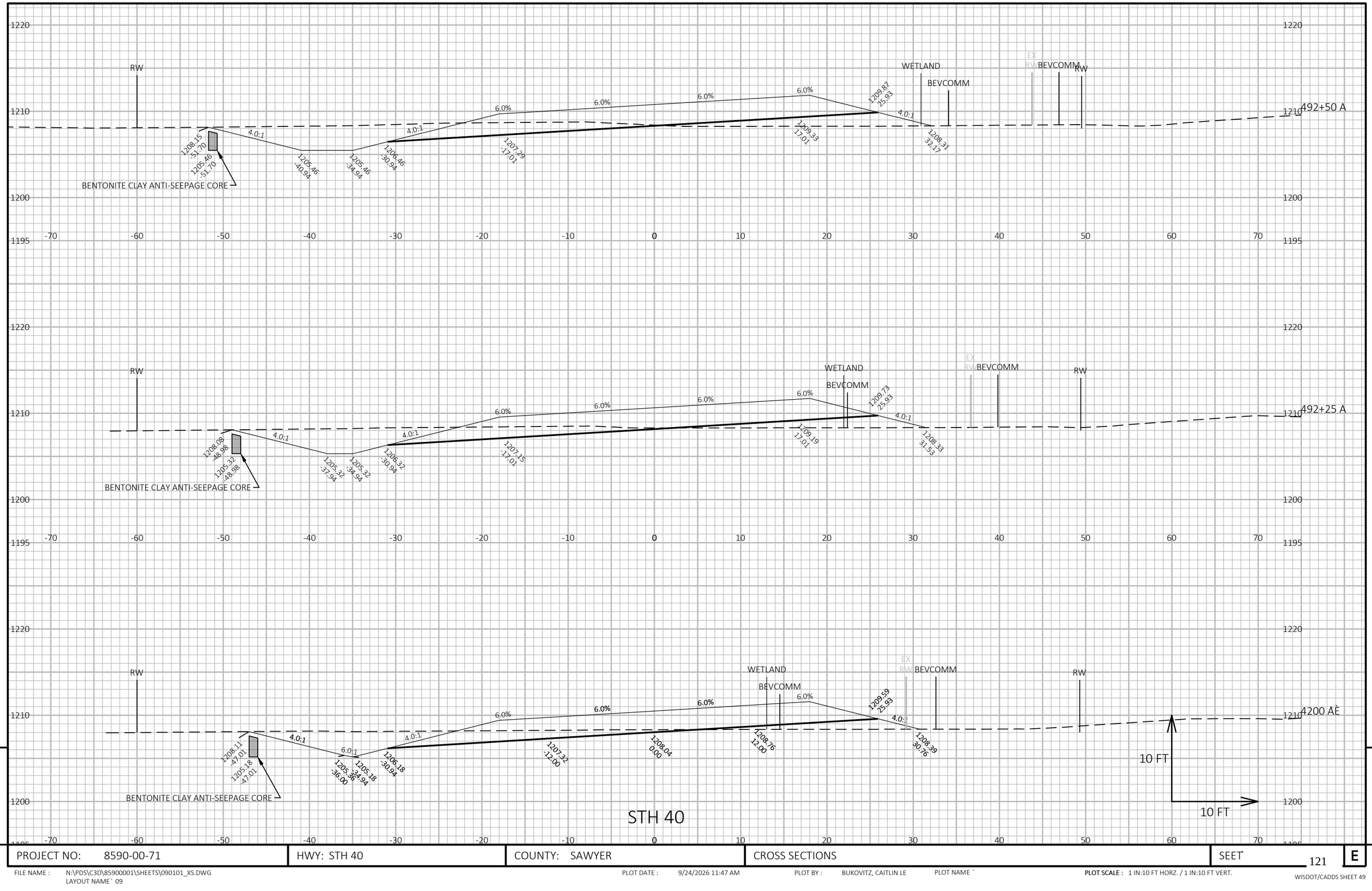
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 120	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 08

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

9

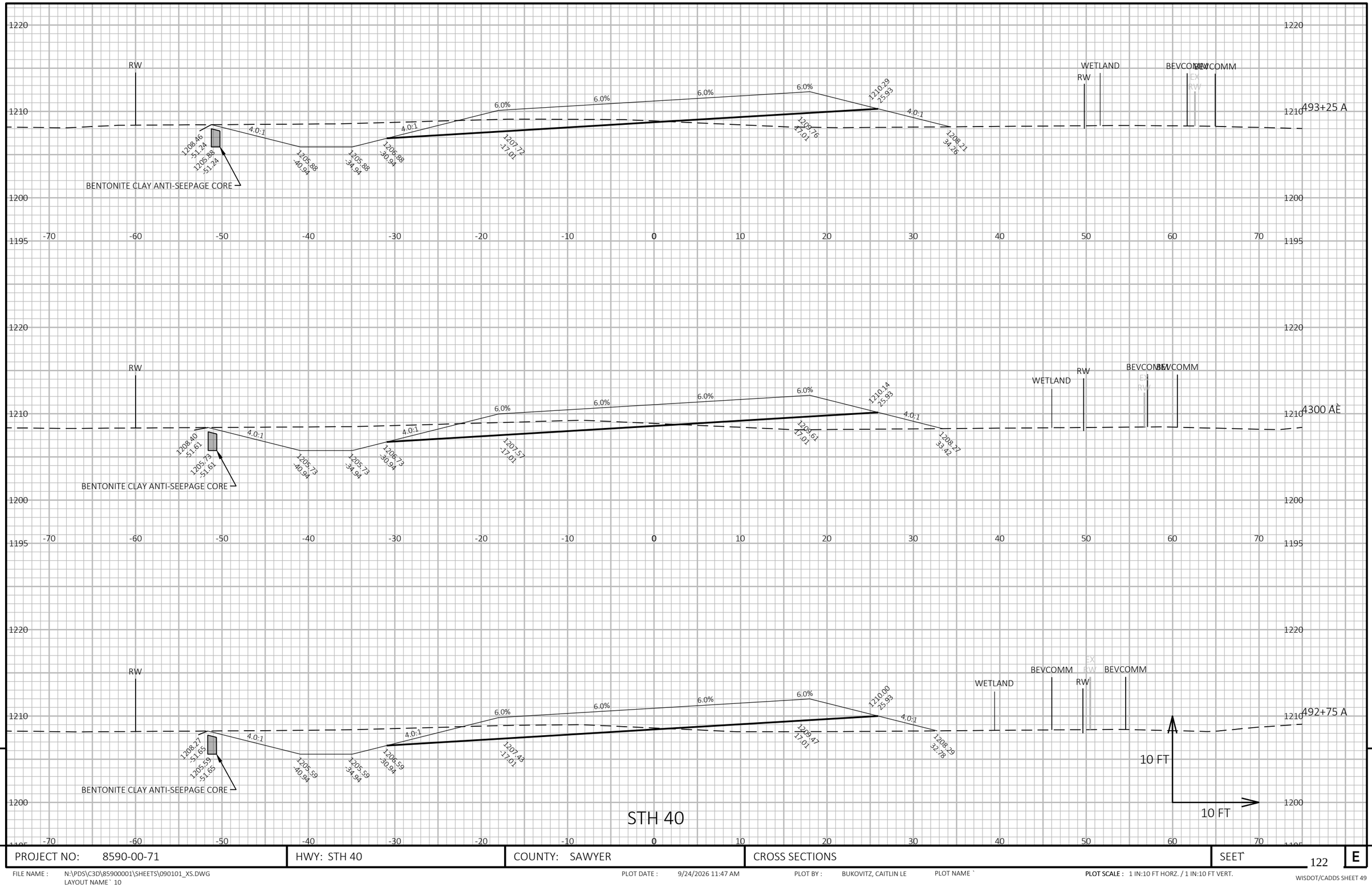
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 121	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 09

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9 9

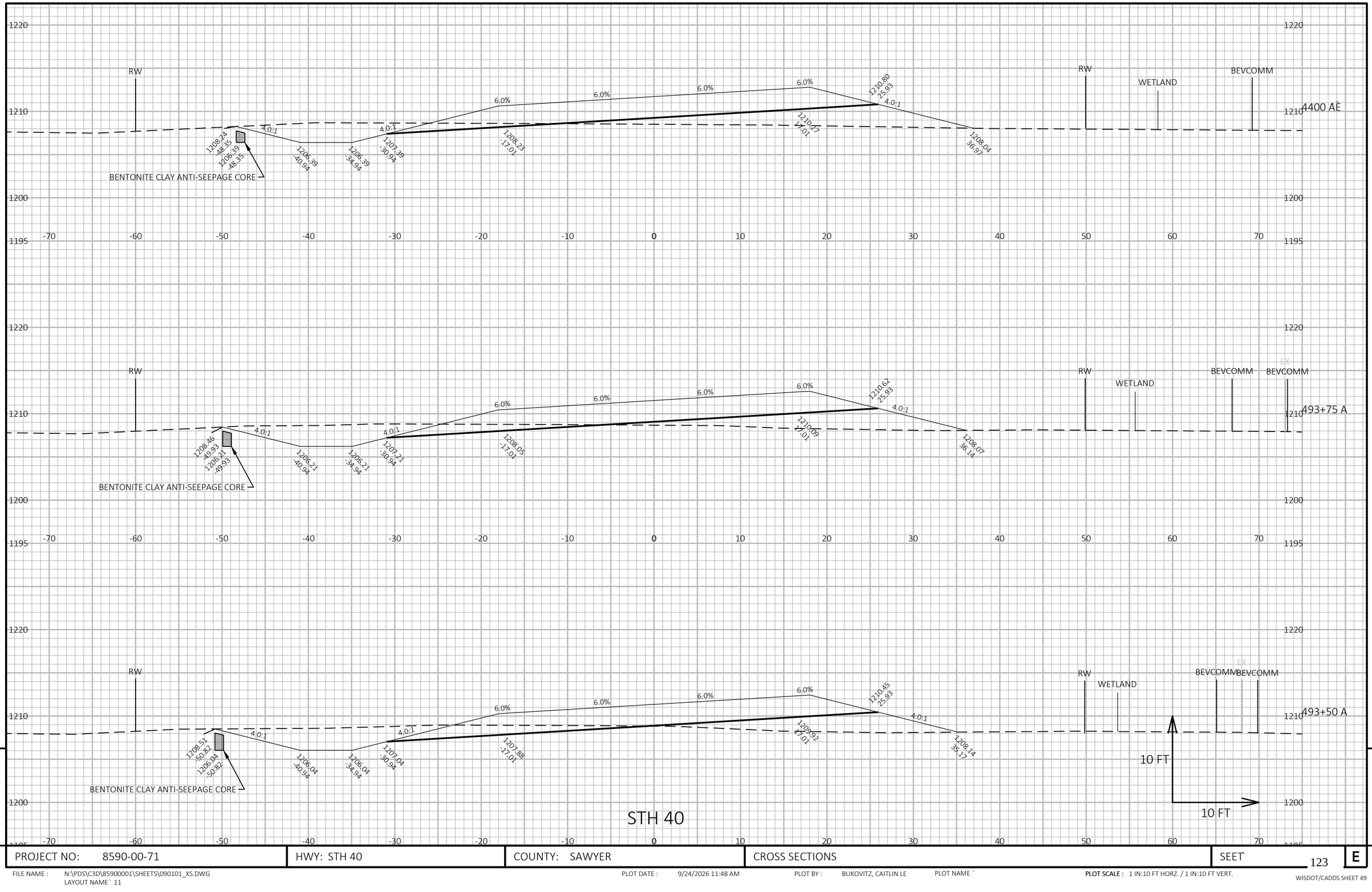
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 122	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 10

PLOT DATE : 9/24/2026 11:47 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9 9

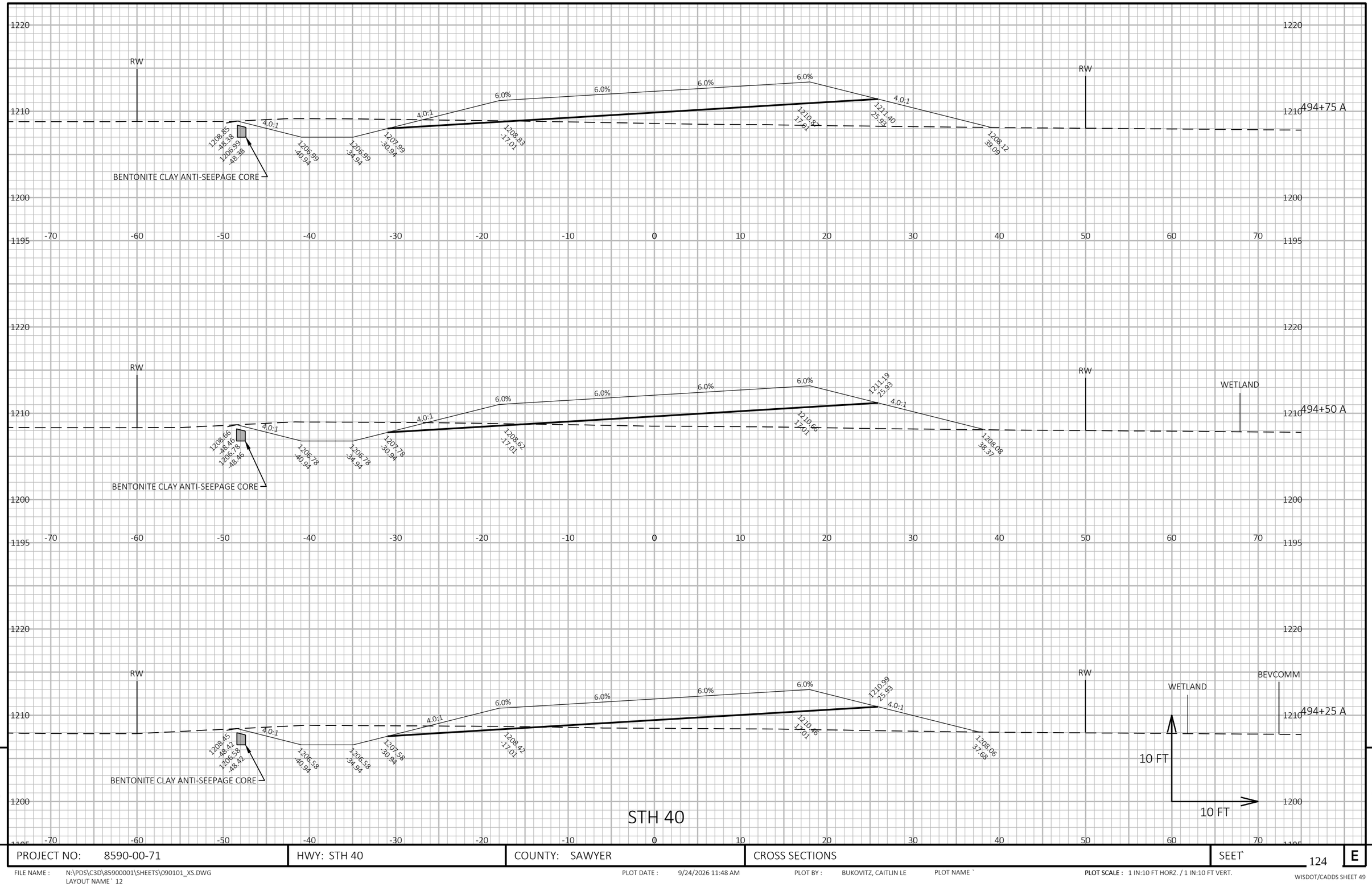
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 123	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 11

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



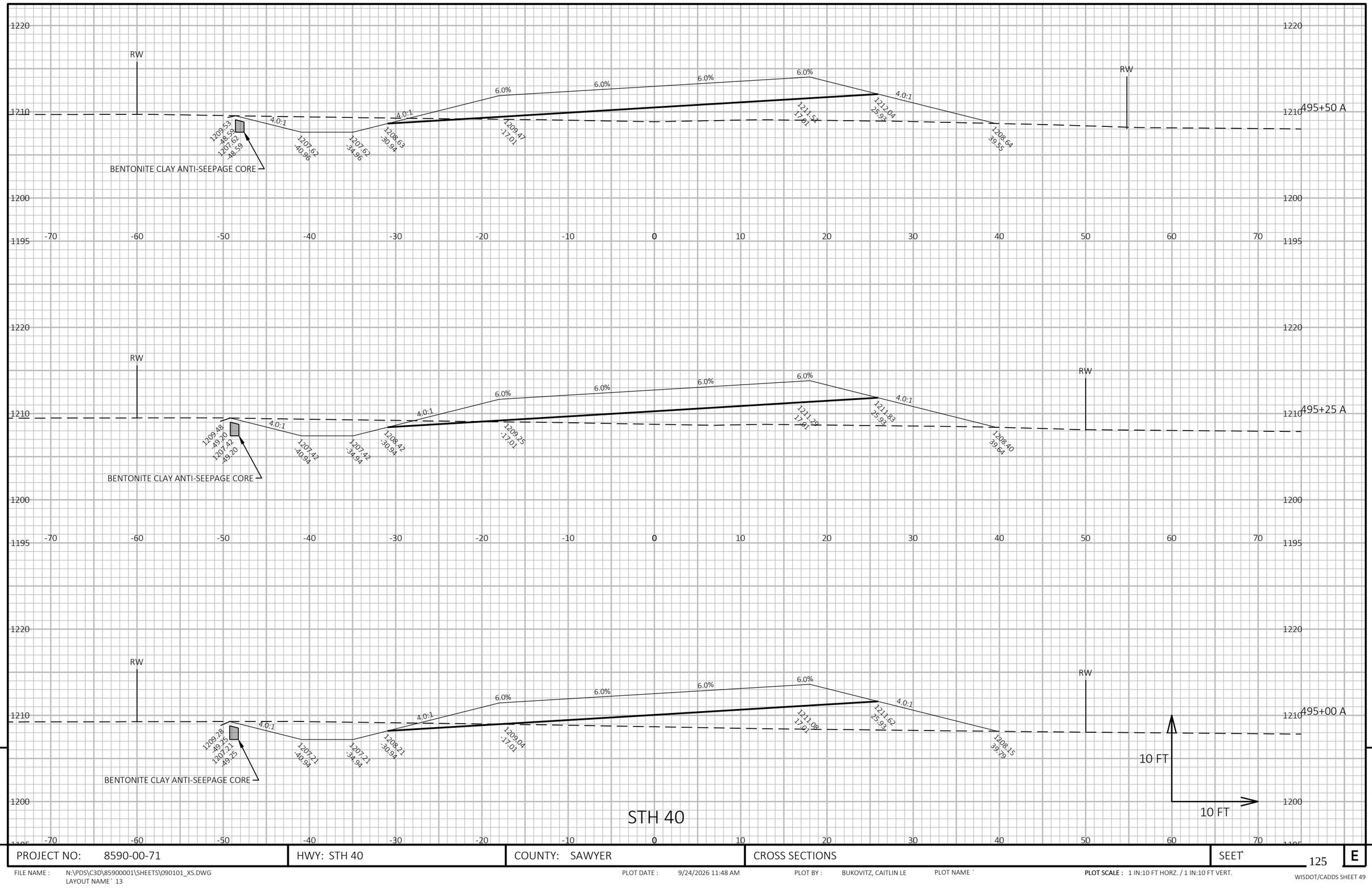
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 124	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 12

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

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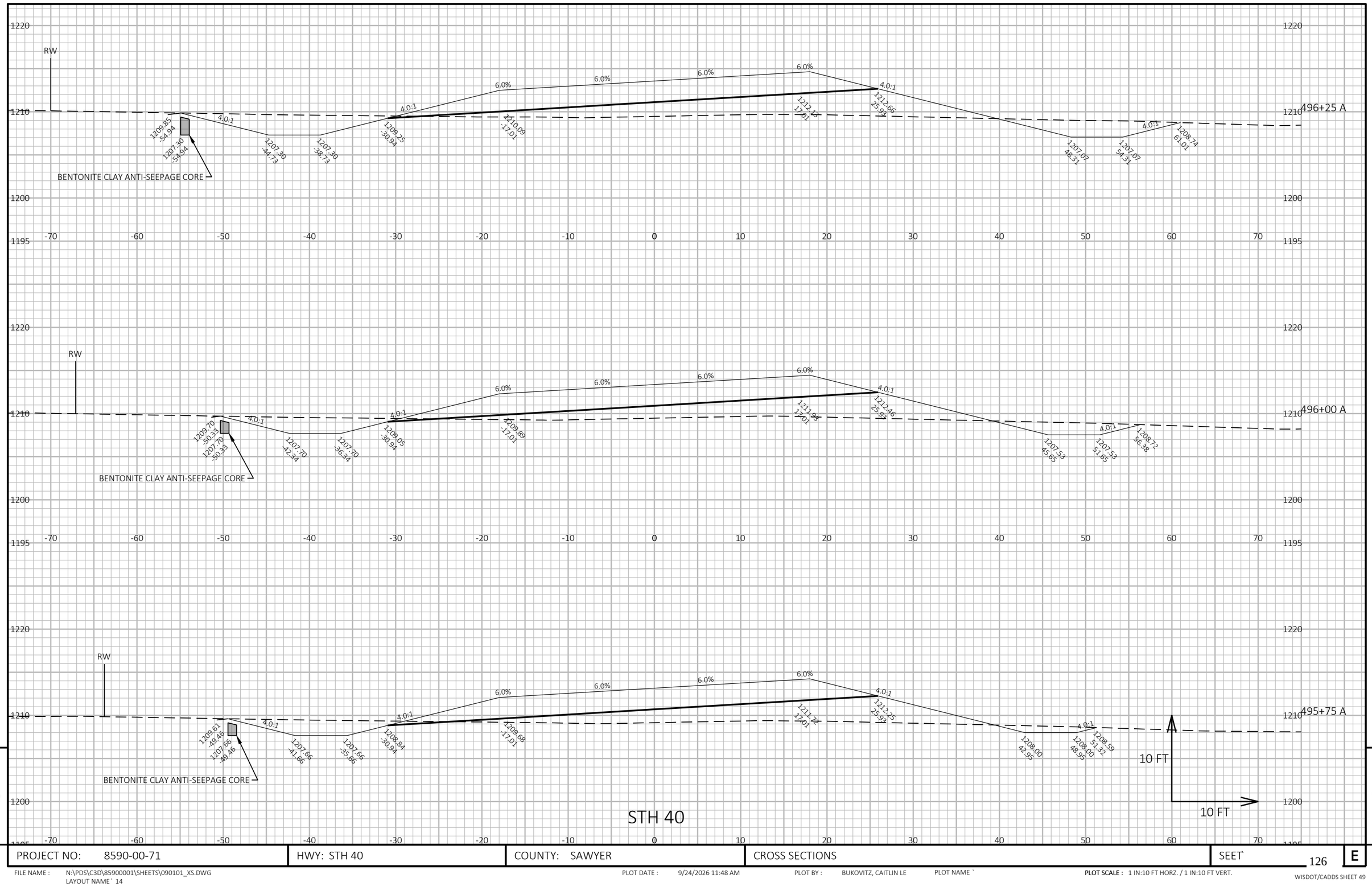
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 125	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 13

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

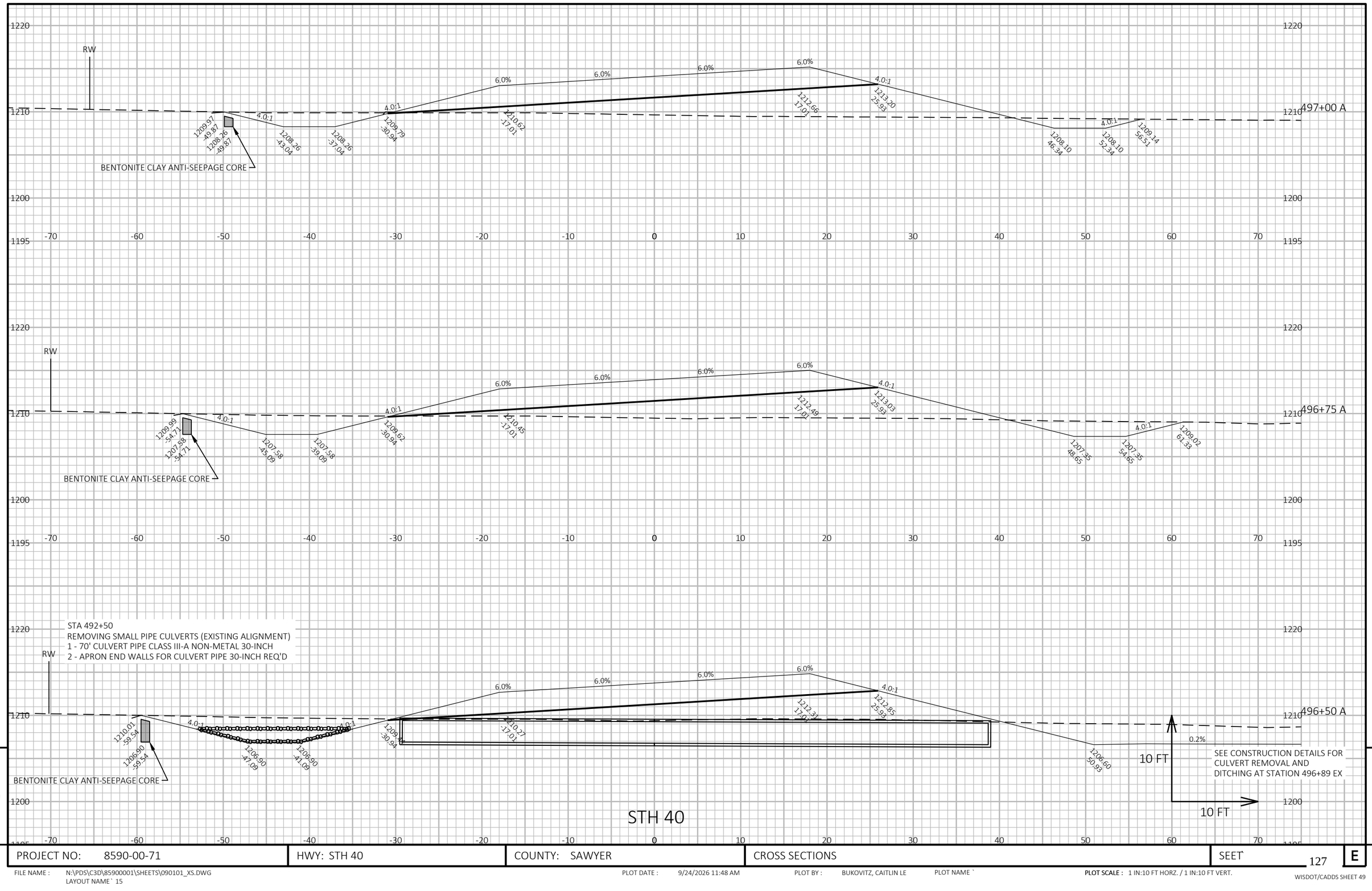
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 126	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 14
PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



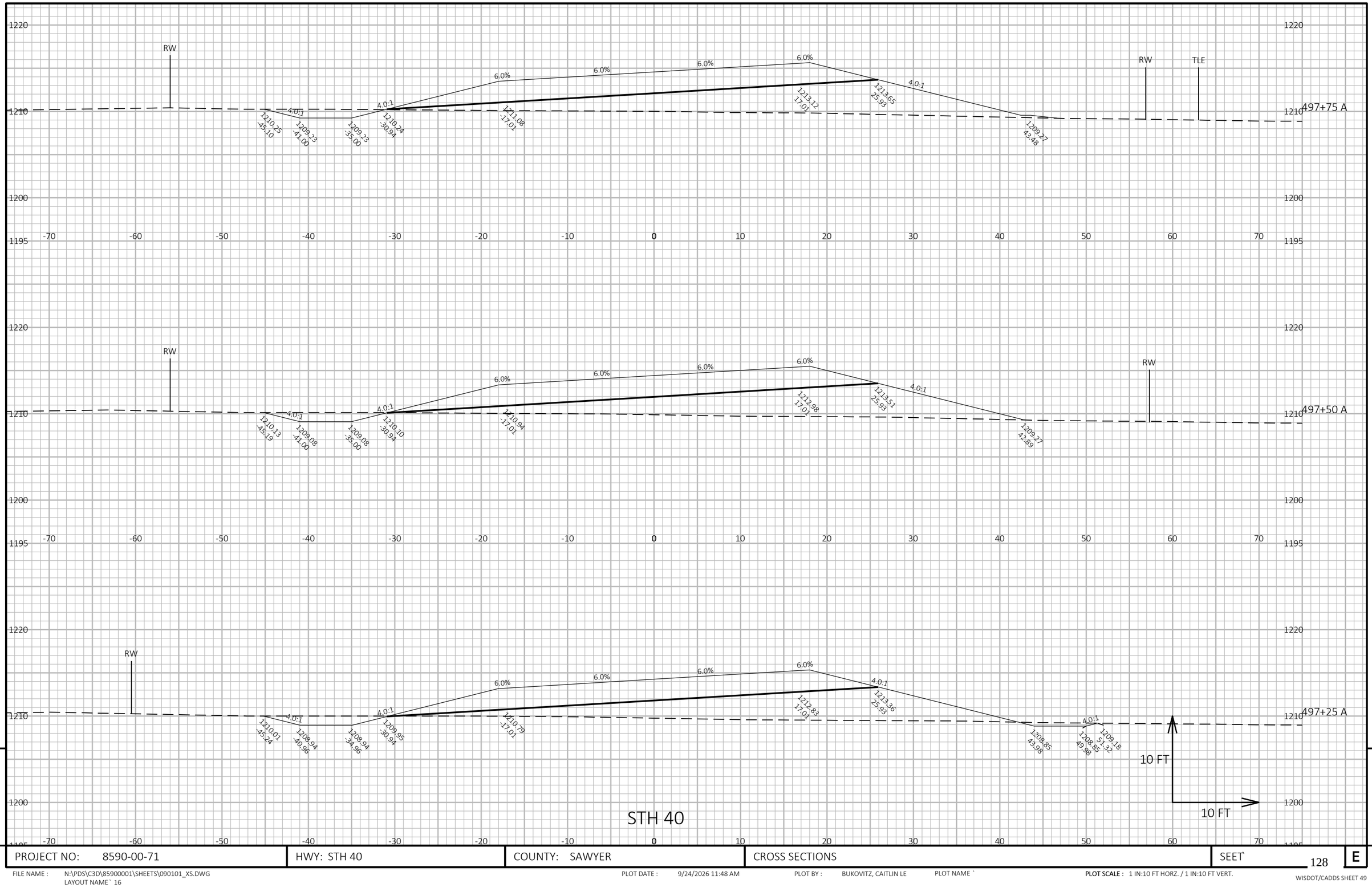
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 127	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 15

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



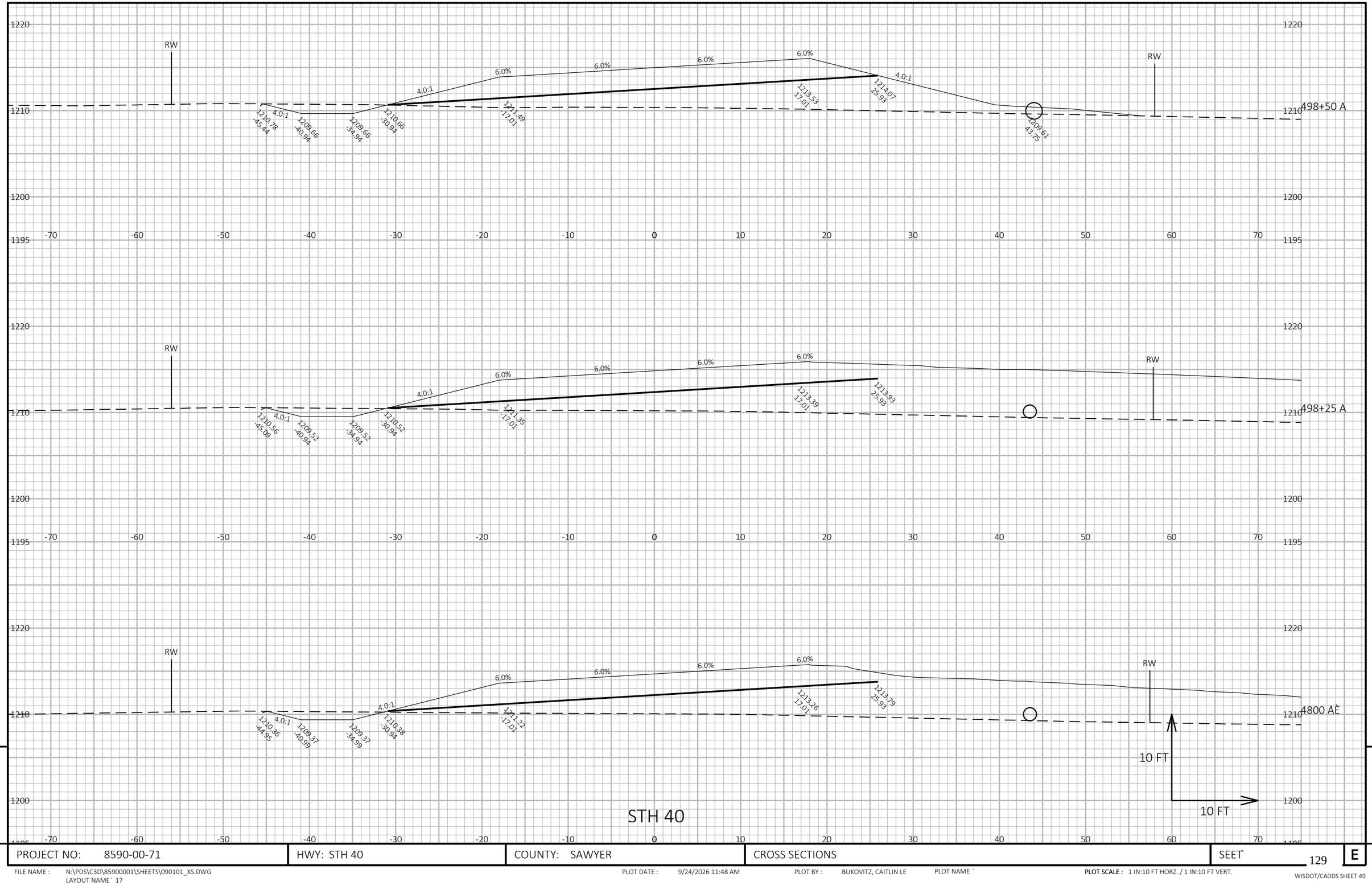
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 128	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 16

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

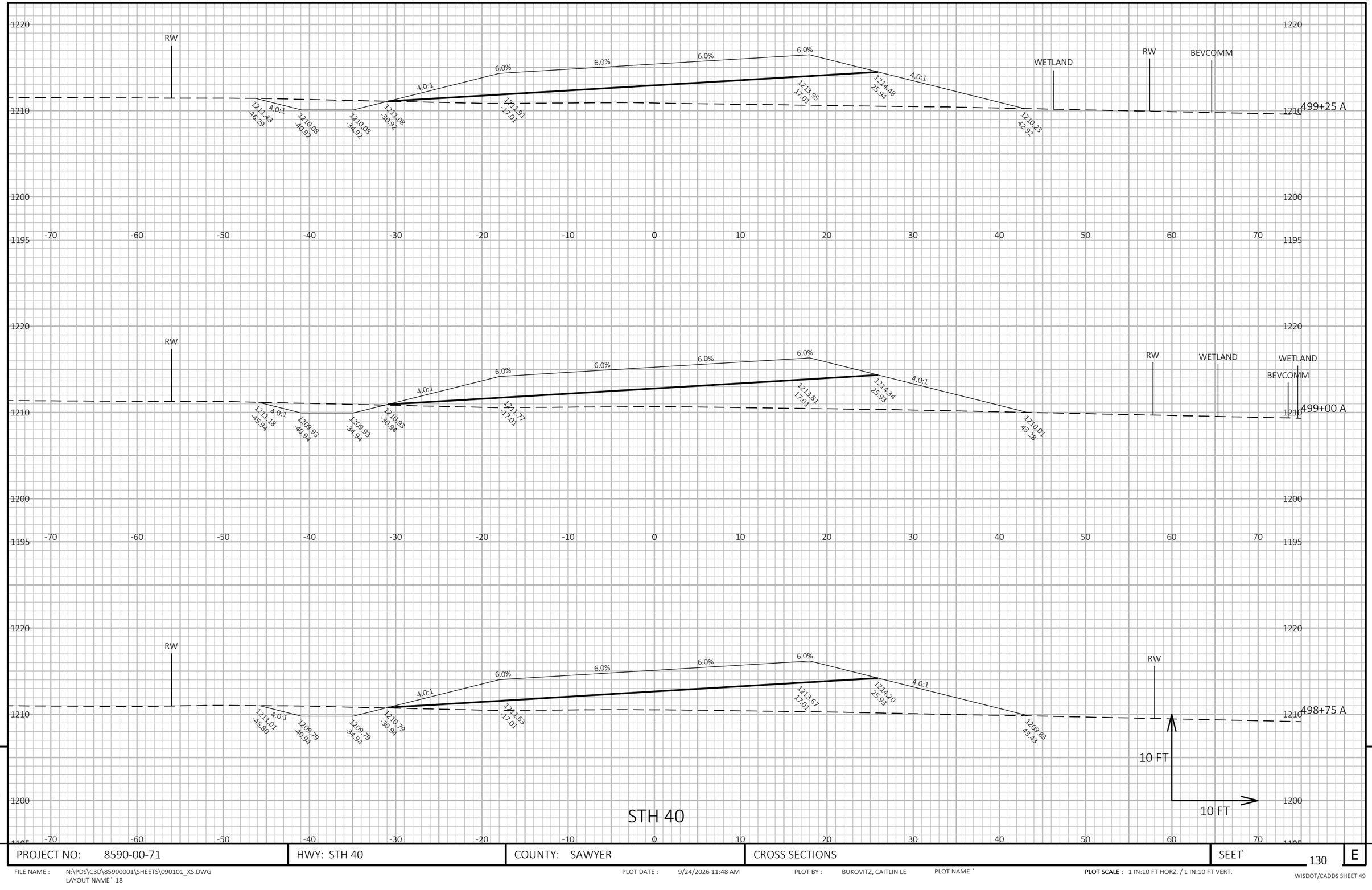
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 129	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 17

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

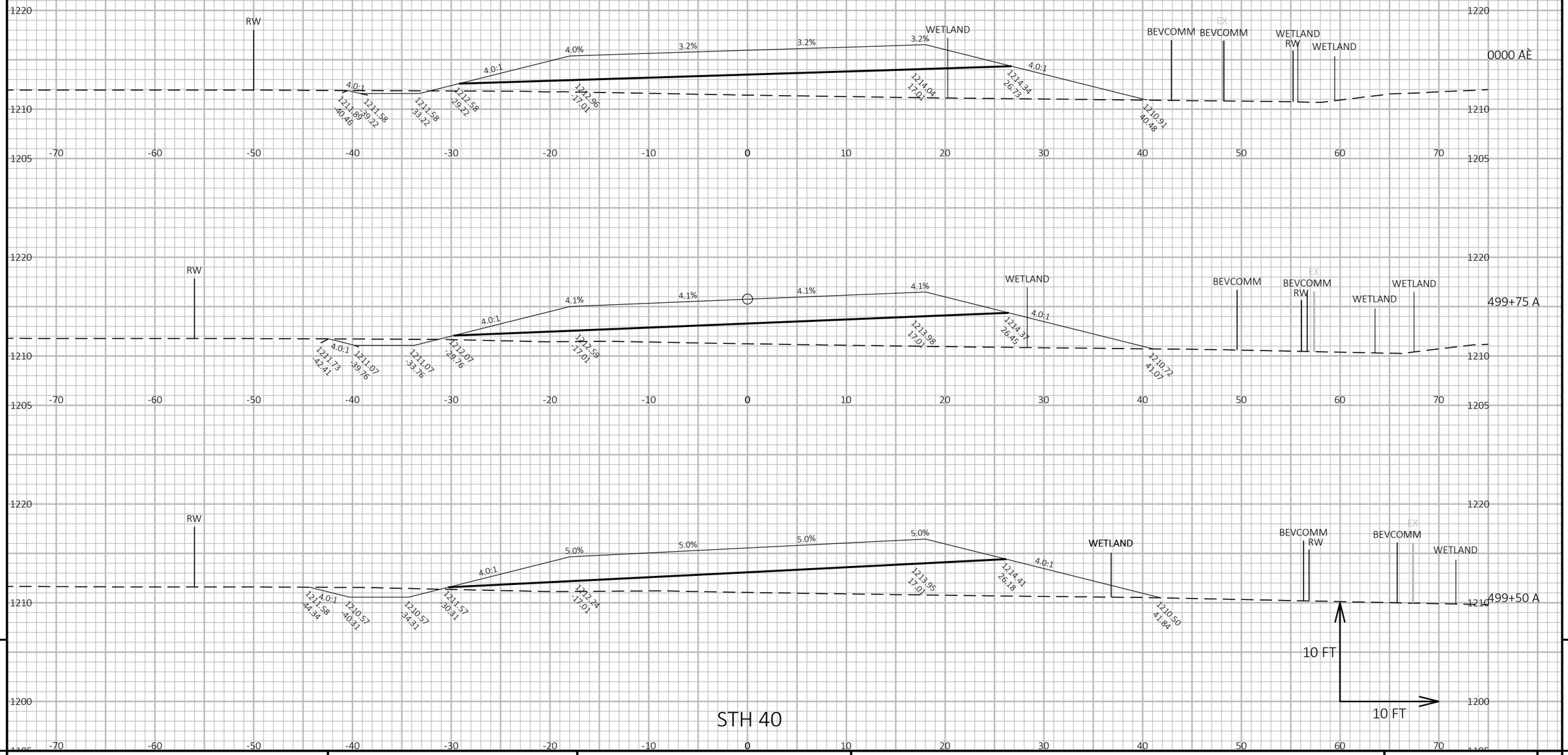
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 130	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 18

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



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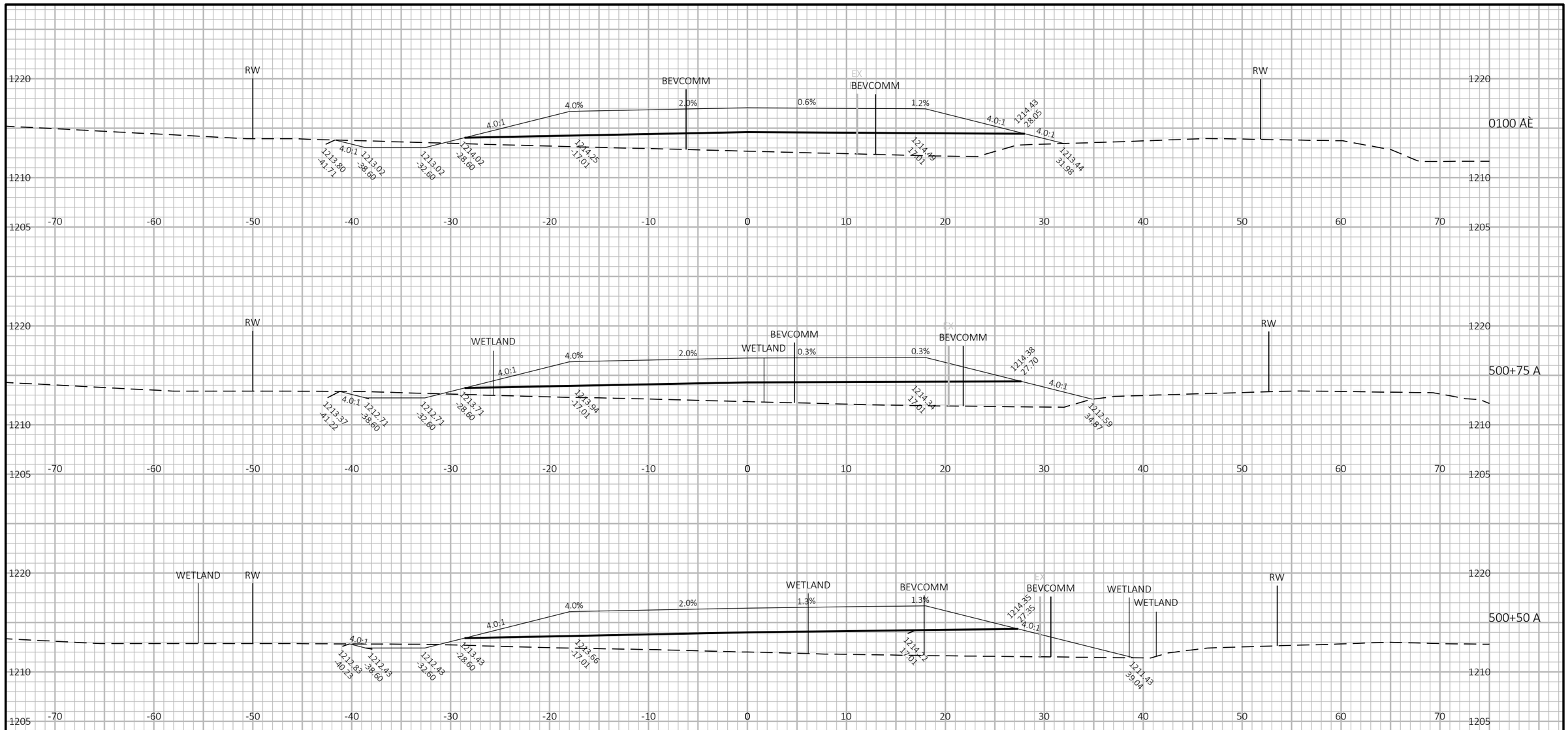
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 131	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME : 19

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME :

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

WISDOT/CADDS SHEET 49



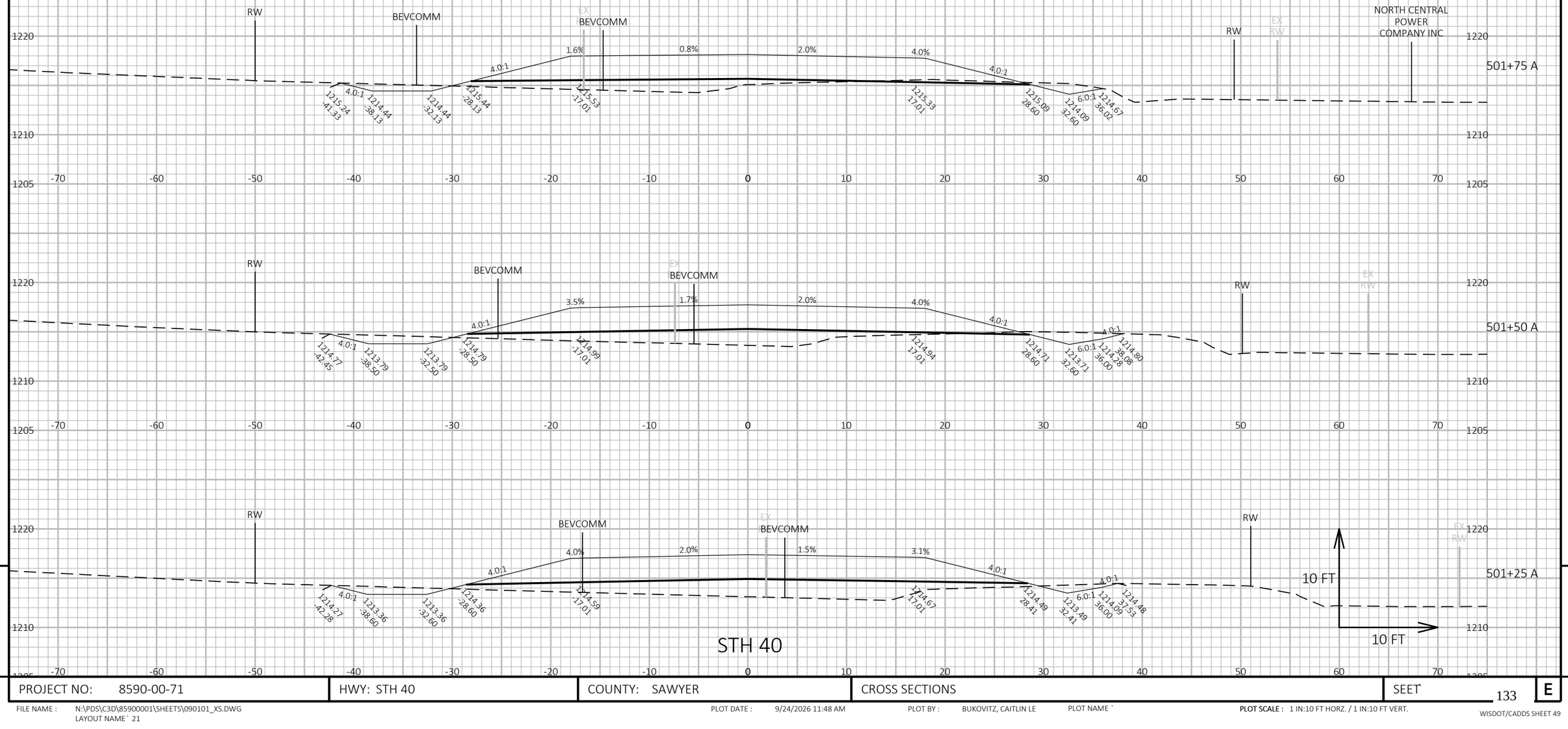
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 132	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 20

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9 9

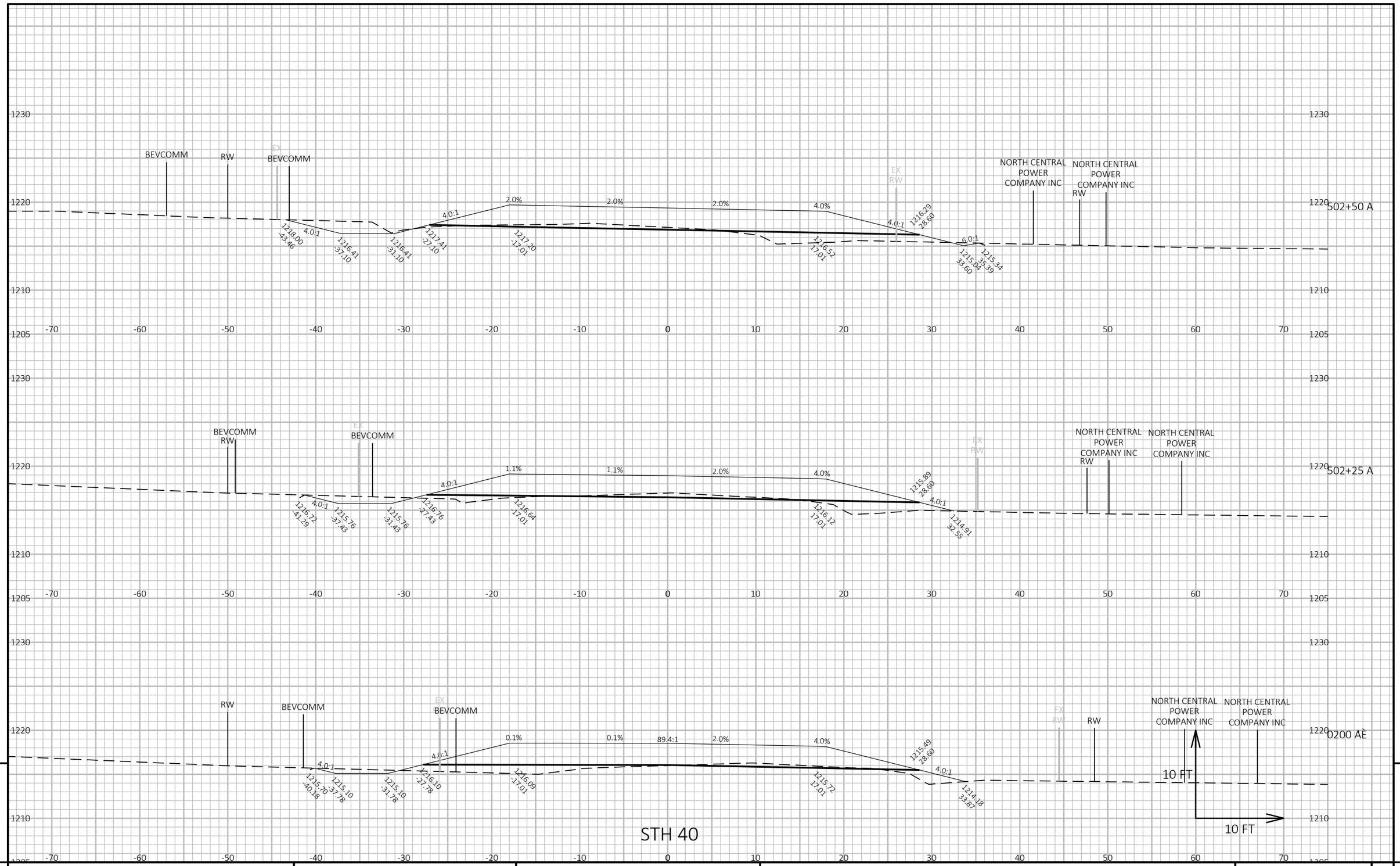
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 133	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 21

PLOT DATE : 9/24/2026 11:48 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 134	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME : 22

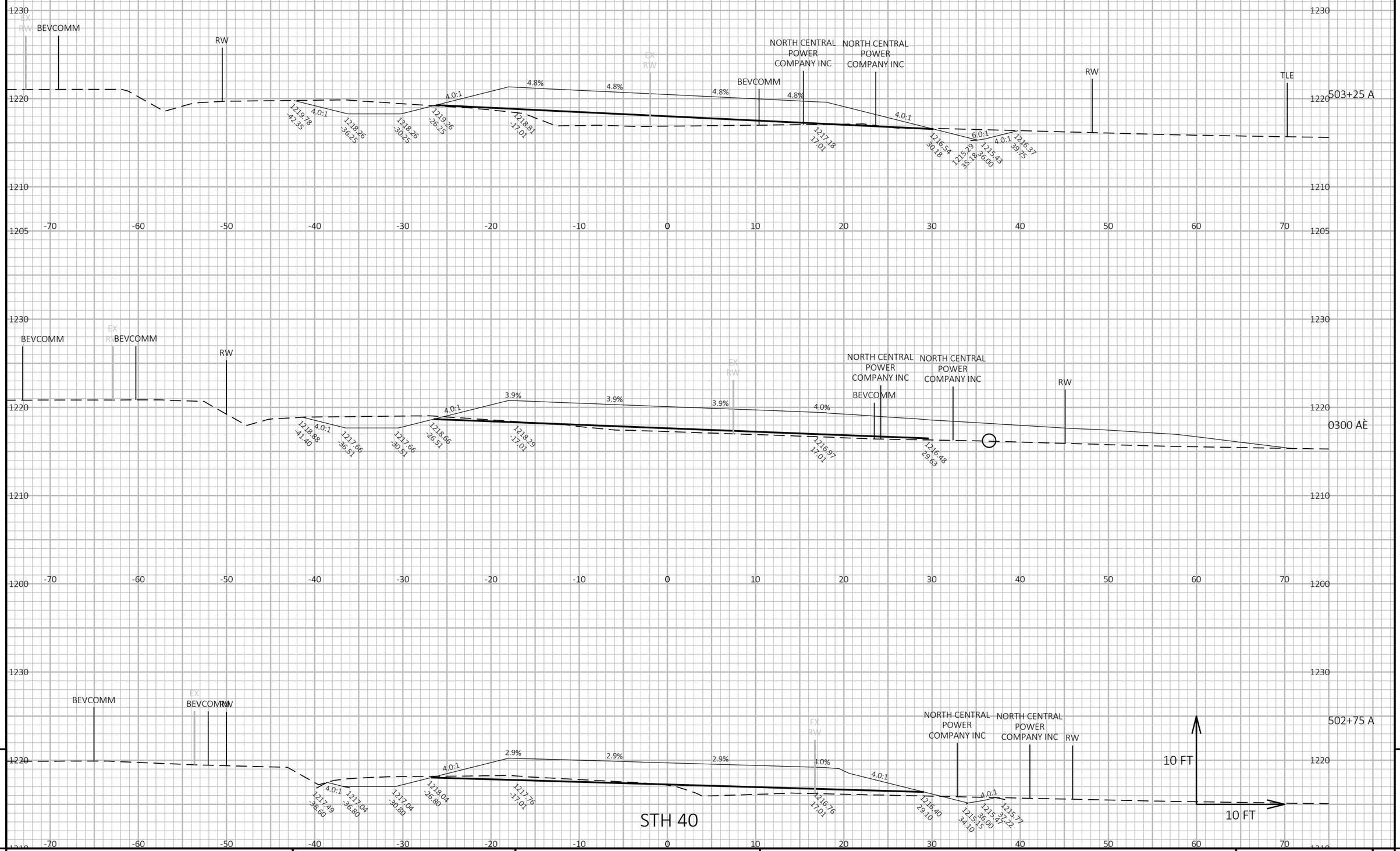
PLOT DATE : 9/24/2026 11:49 AM

PLOT BY : BUKOVITZ, CAITLIN LE

PLOT NAME :

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 135	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 23

PLOT DATE : 9/24/2026 11:49 AM

PLOT BY : BUKOVITZ, CAITLIN LE

PLOT NAME `

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

WISDOT/CADDS SHEET 49

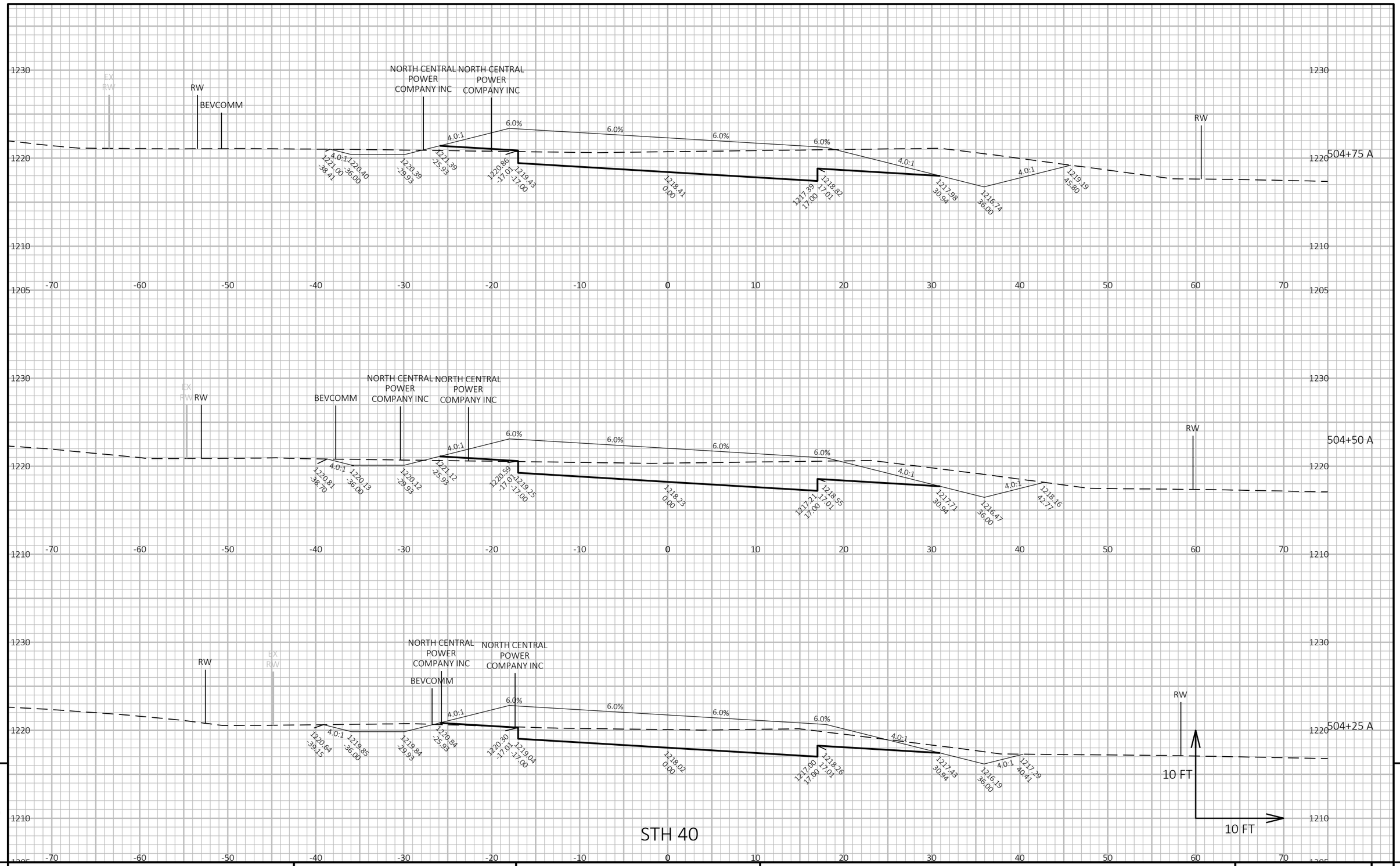
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 136	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 24

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

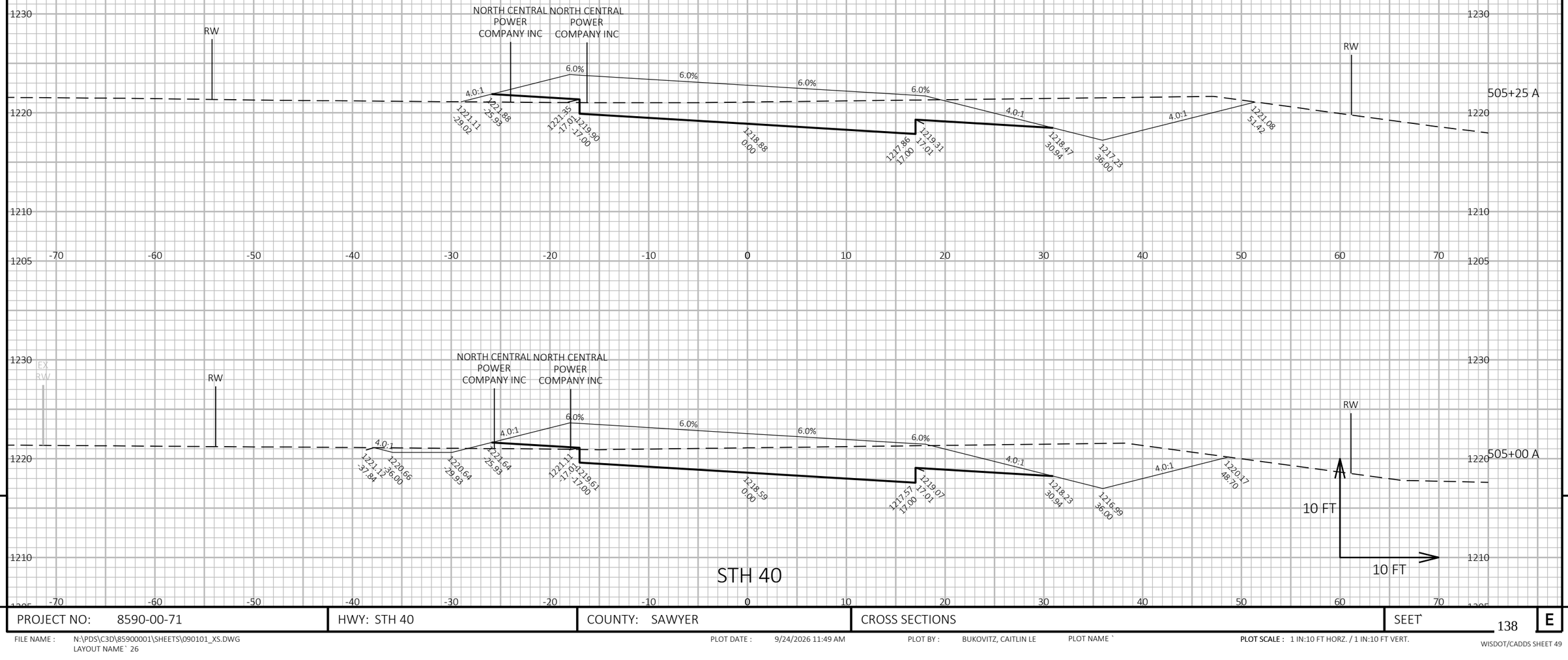
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 137	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME : 25

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME :

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

WISDOT/CADDS SHEET 49



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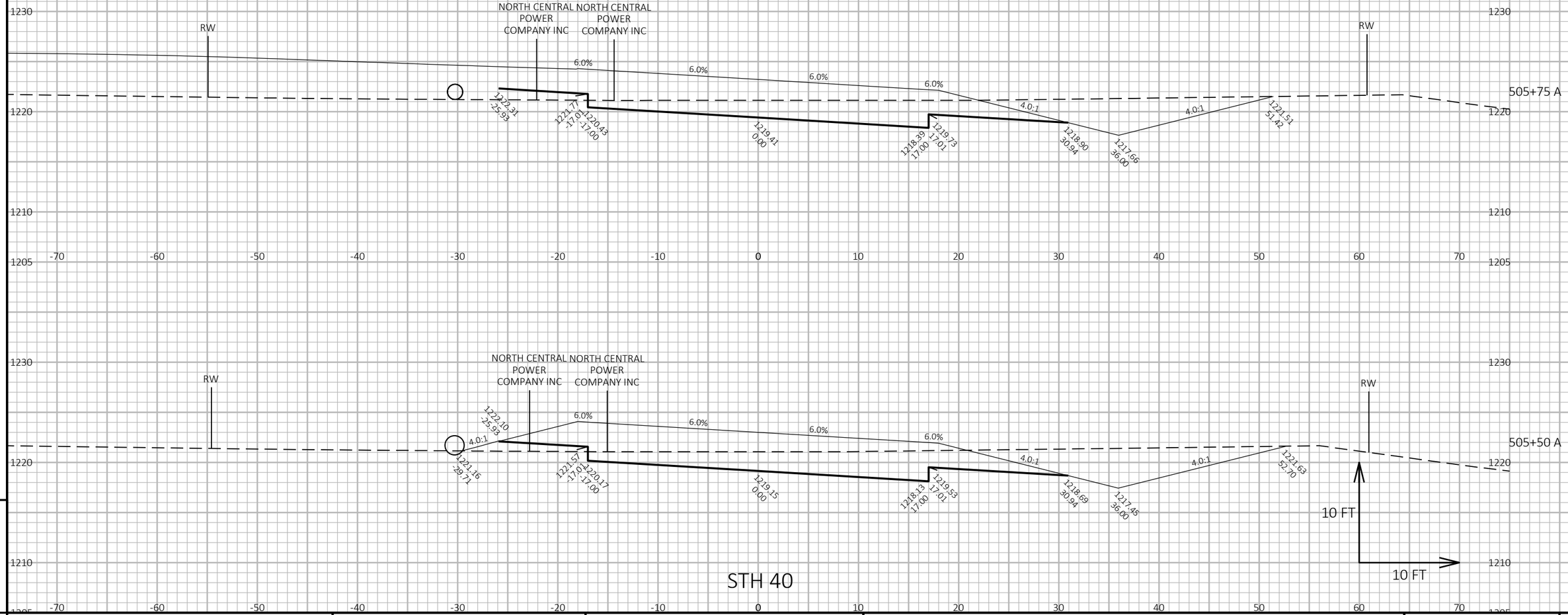
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 138	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 26

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



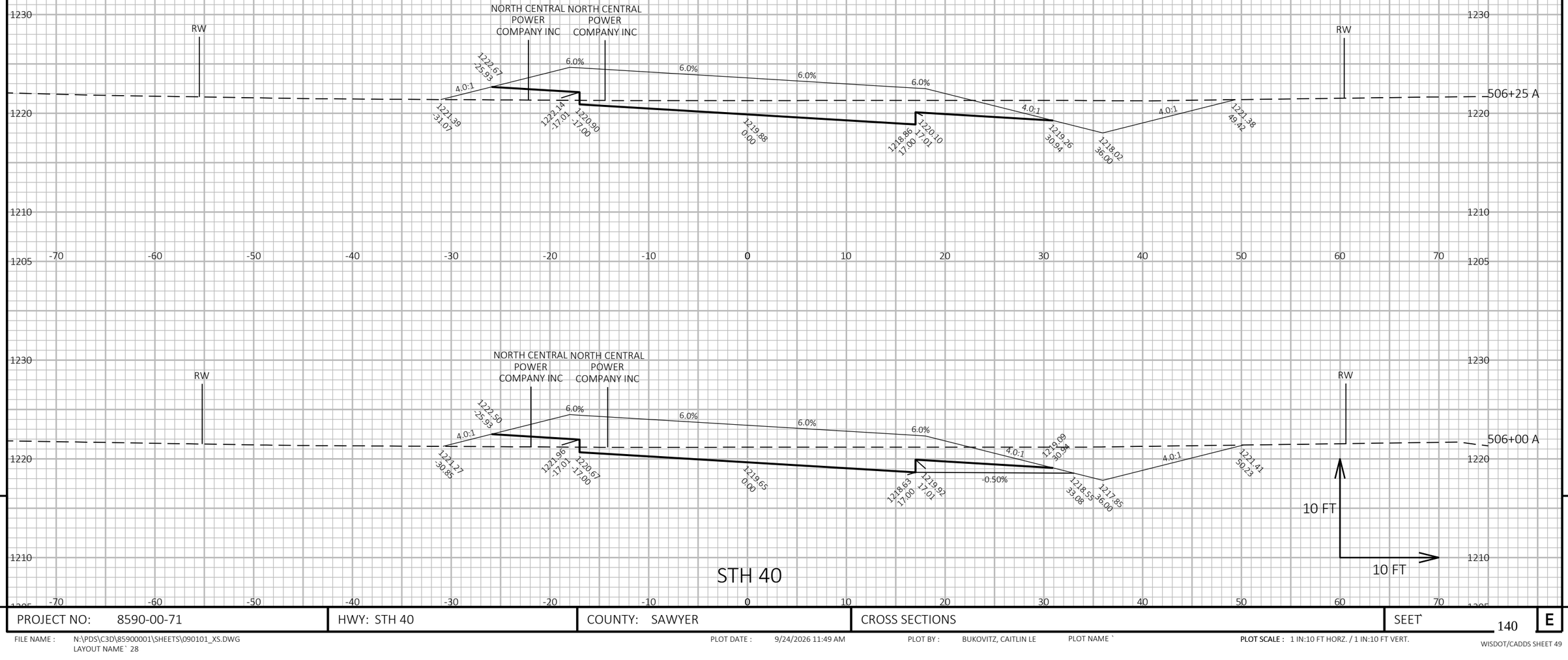
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 139	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 27

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



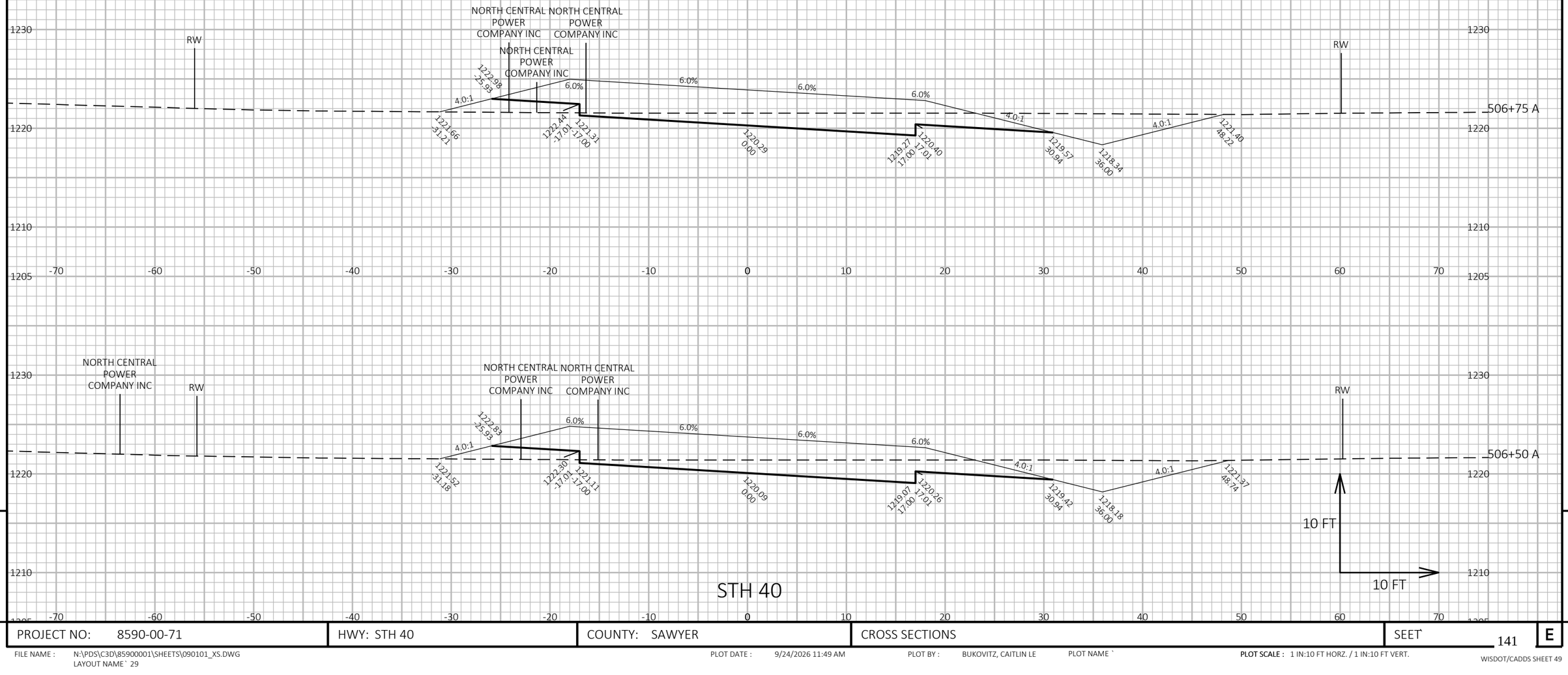
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 140	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 28

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 141	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 29

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49

9

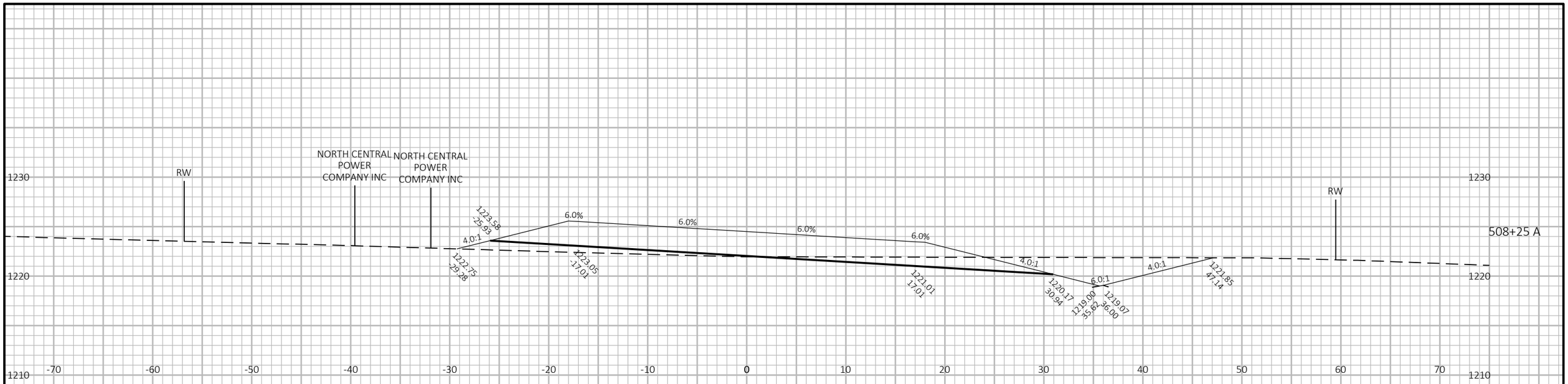
9

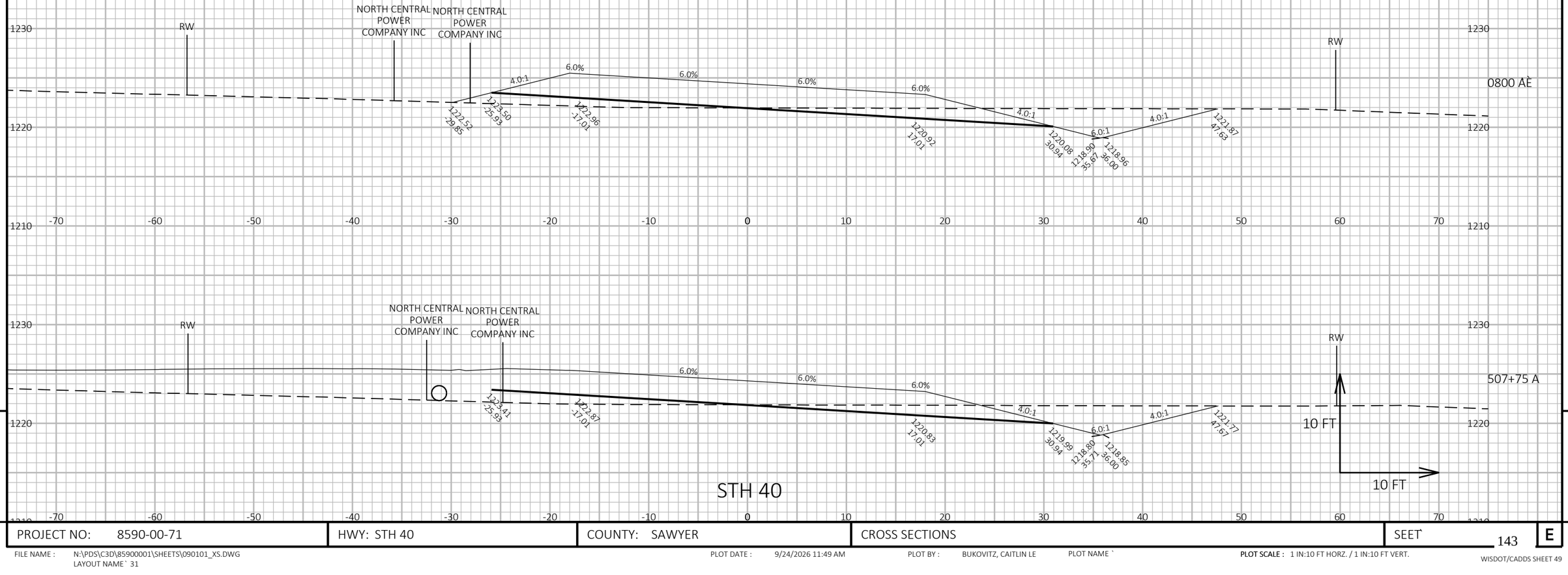
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 142	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 30

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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





STH 40

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9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 143	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 31

PLOT DATE : 9/24/2026 11:49 AM

PLOT BY : BUKOVITZ, CAITLIN LE

PLOT NAME `

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

9

9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 144	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 32

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49

STH 40

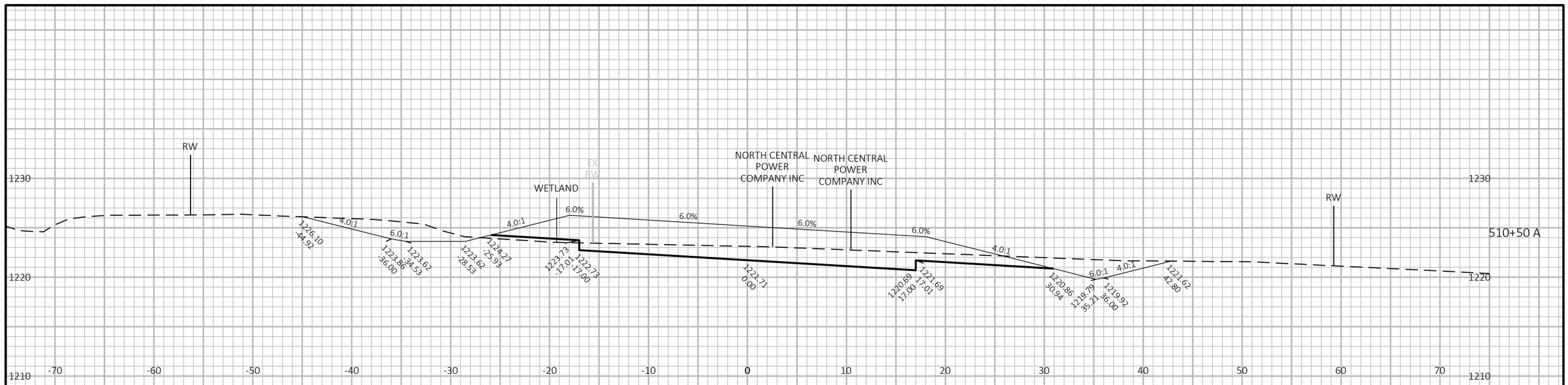
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 145	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 33

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9 9

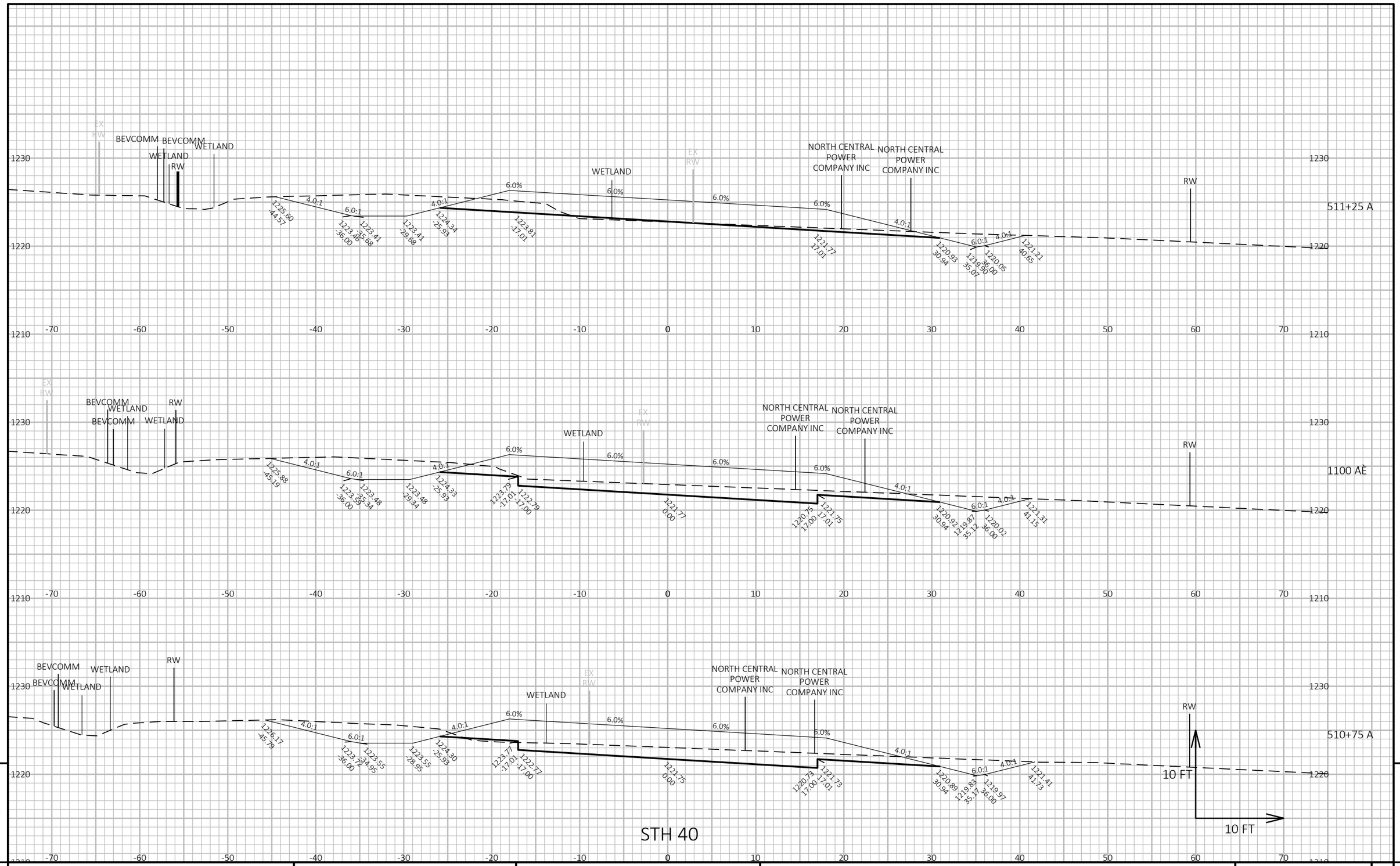
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 146	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 34

PLOT DATE : 9/24/2026 11:49 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



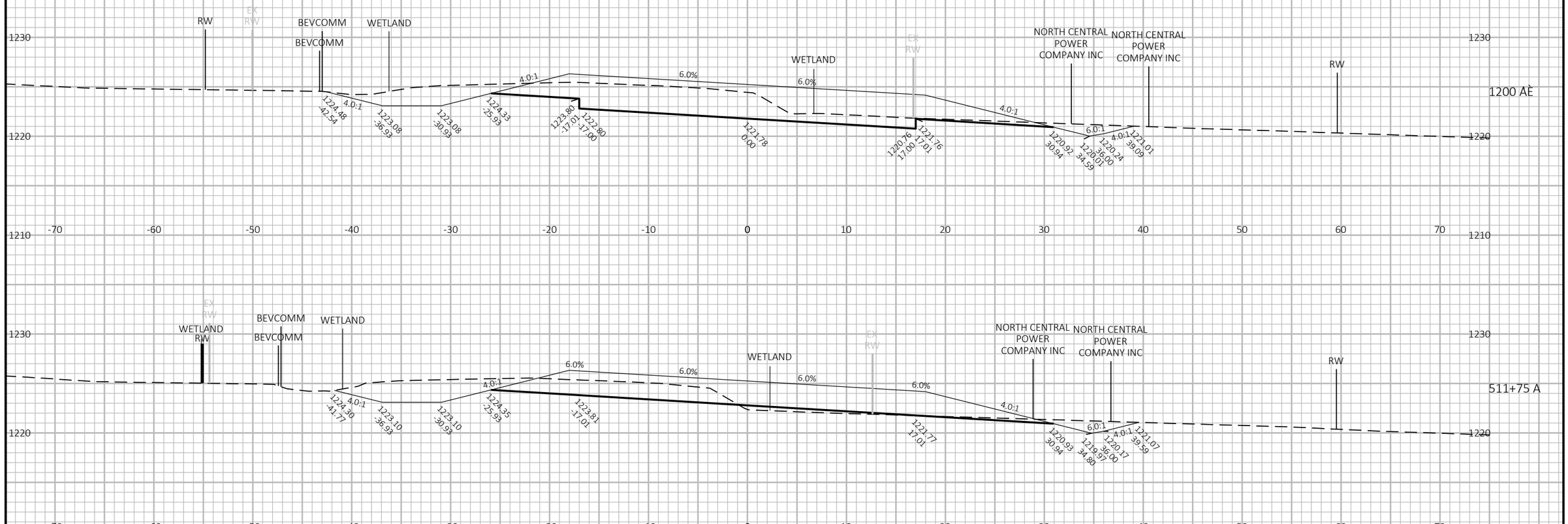
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 147	E

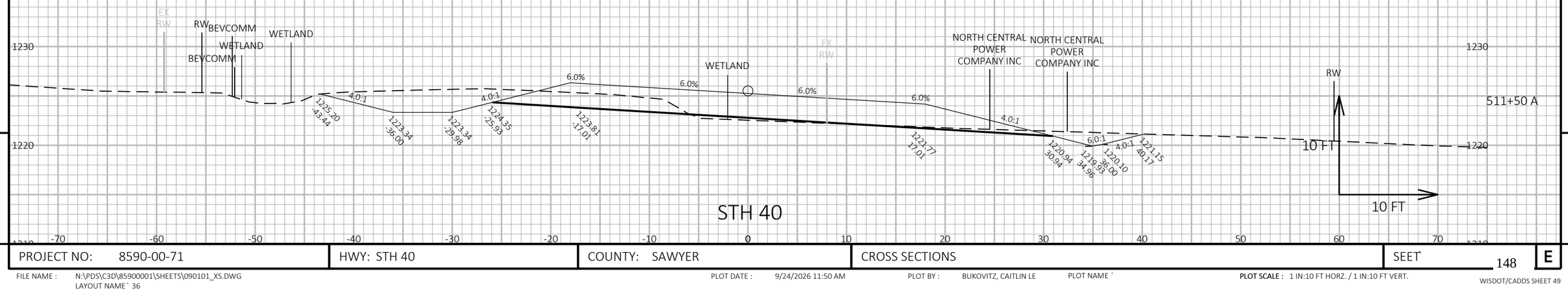
FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 35

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49





STH 40

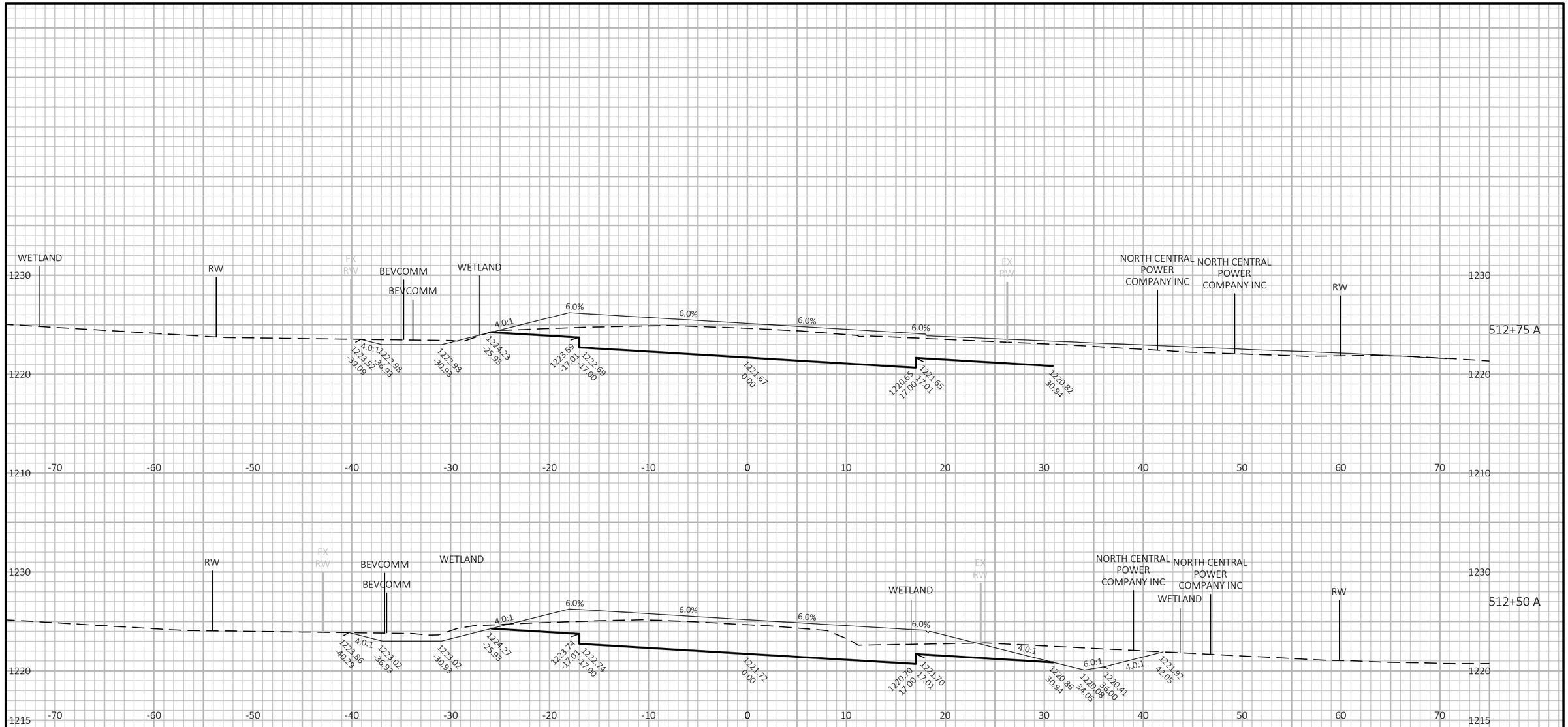
9	PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 148 E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 36

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

STH 40

9

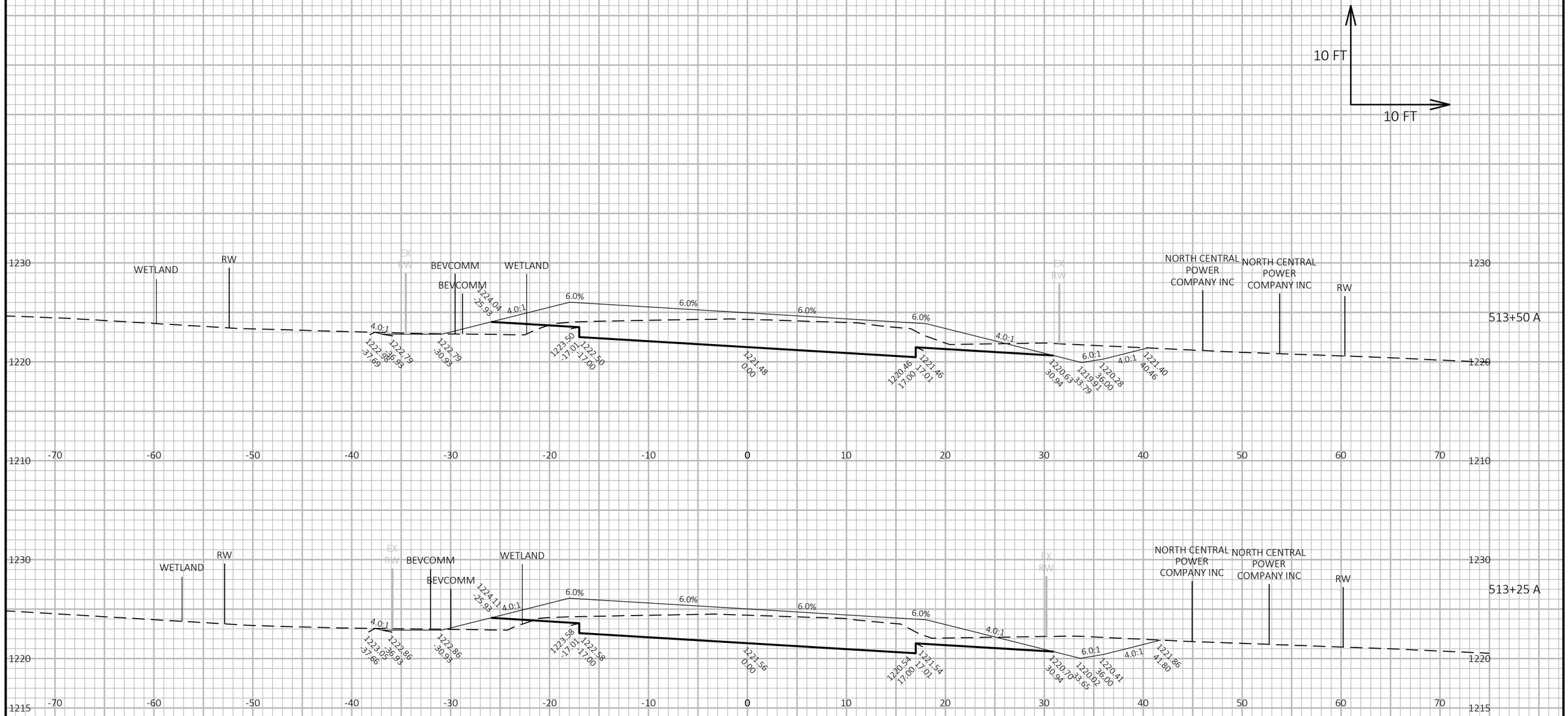
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 149	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 37

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

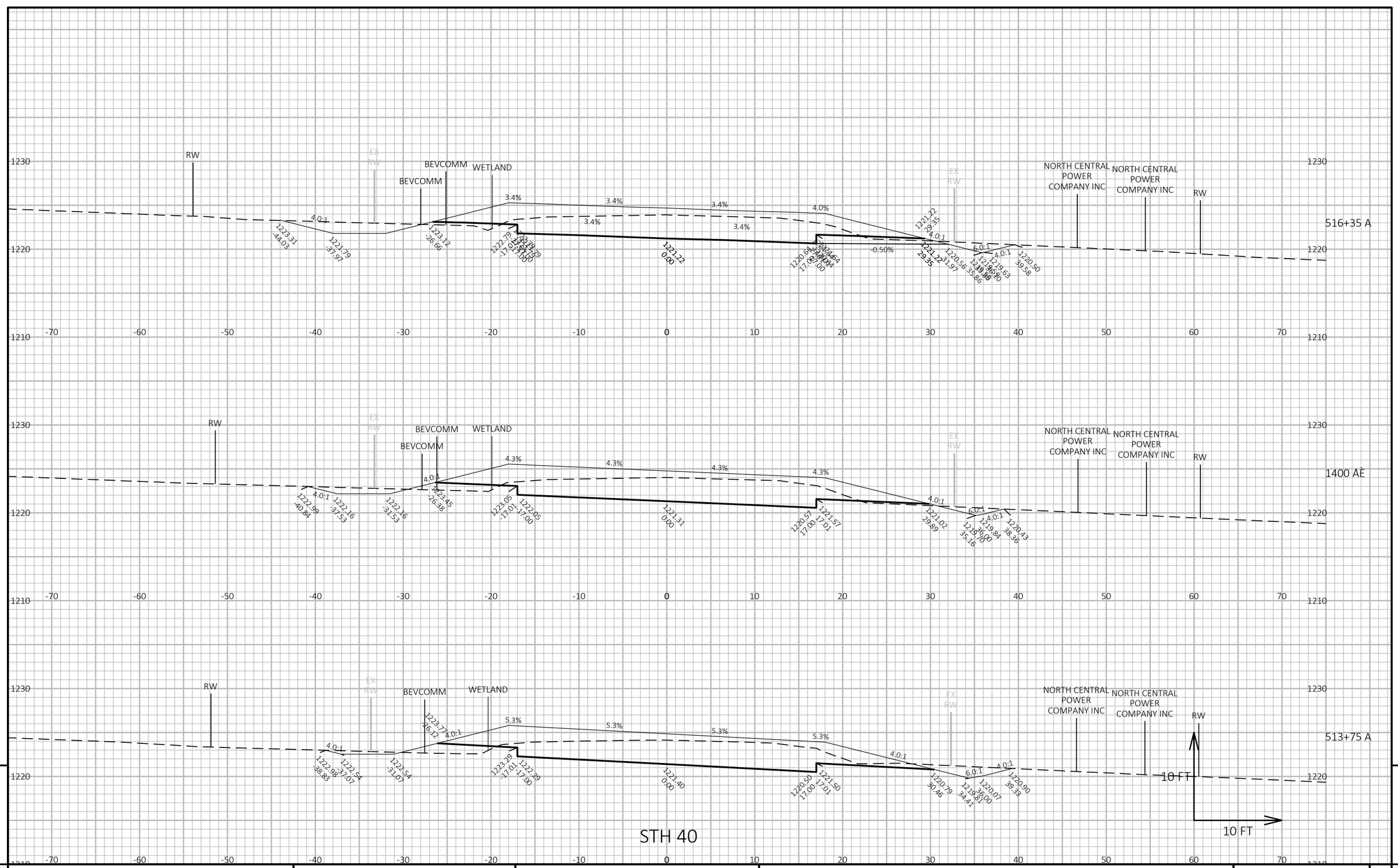
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 150	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 38

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



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9

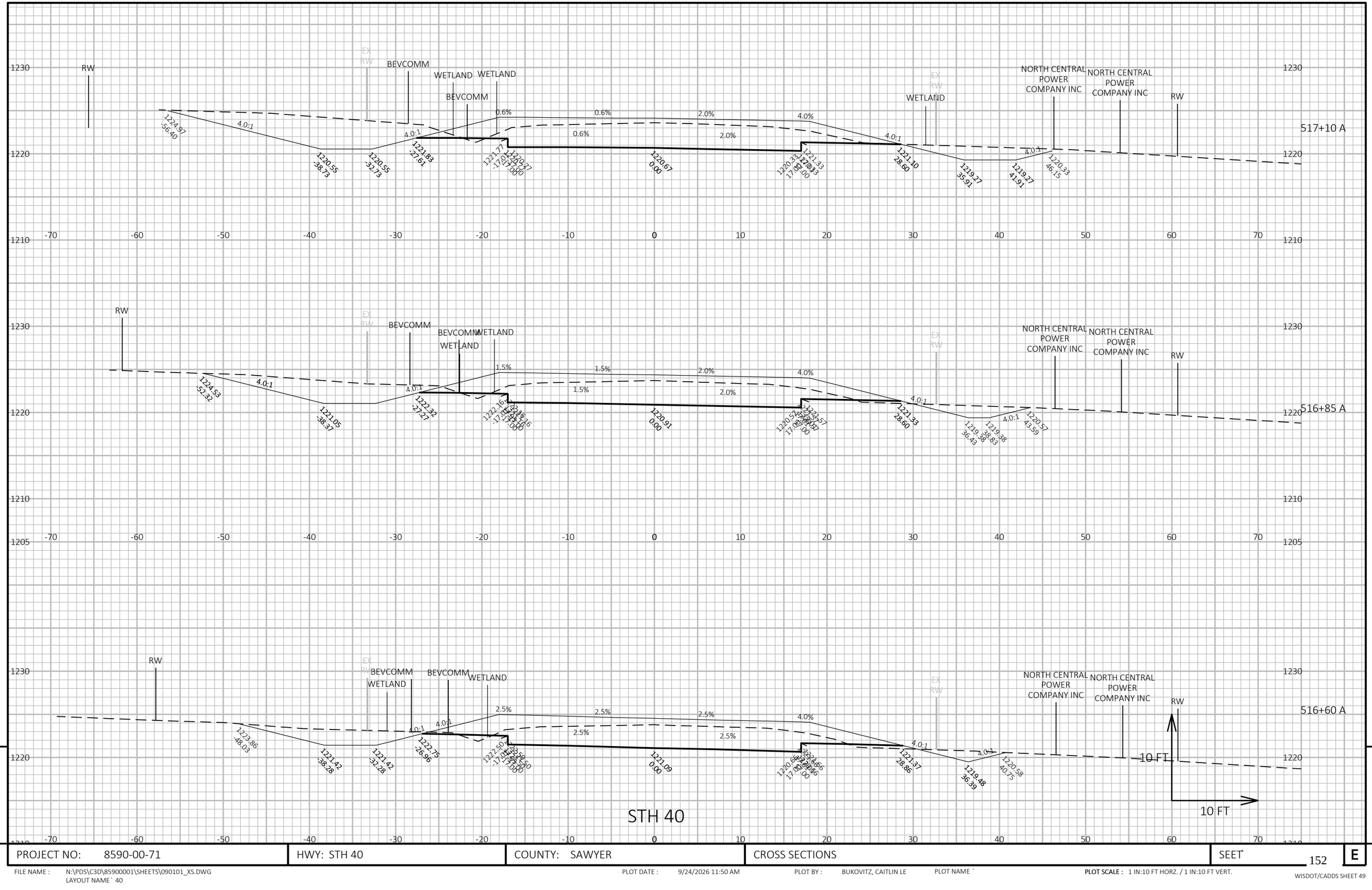
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 151	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ˙ 39

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME ˙

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

WISDOT/CADDS SHEET 49



9

9

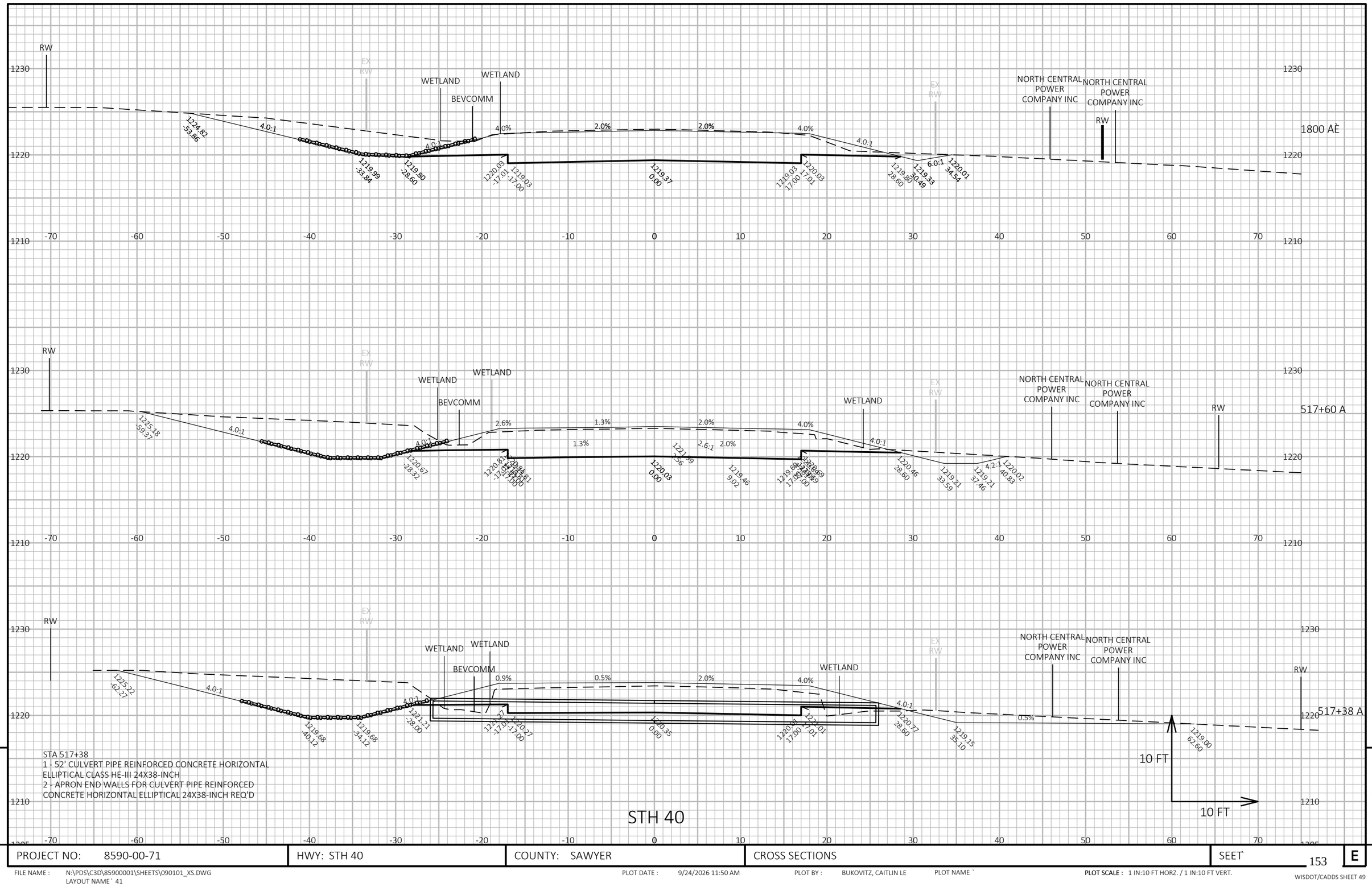
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 152	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 40

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



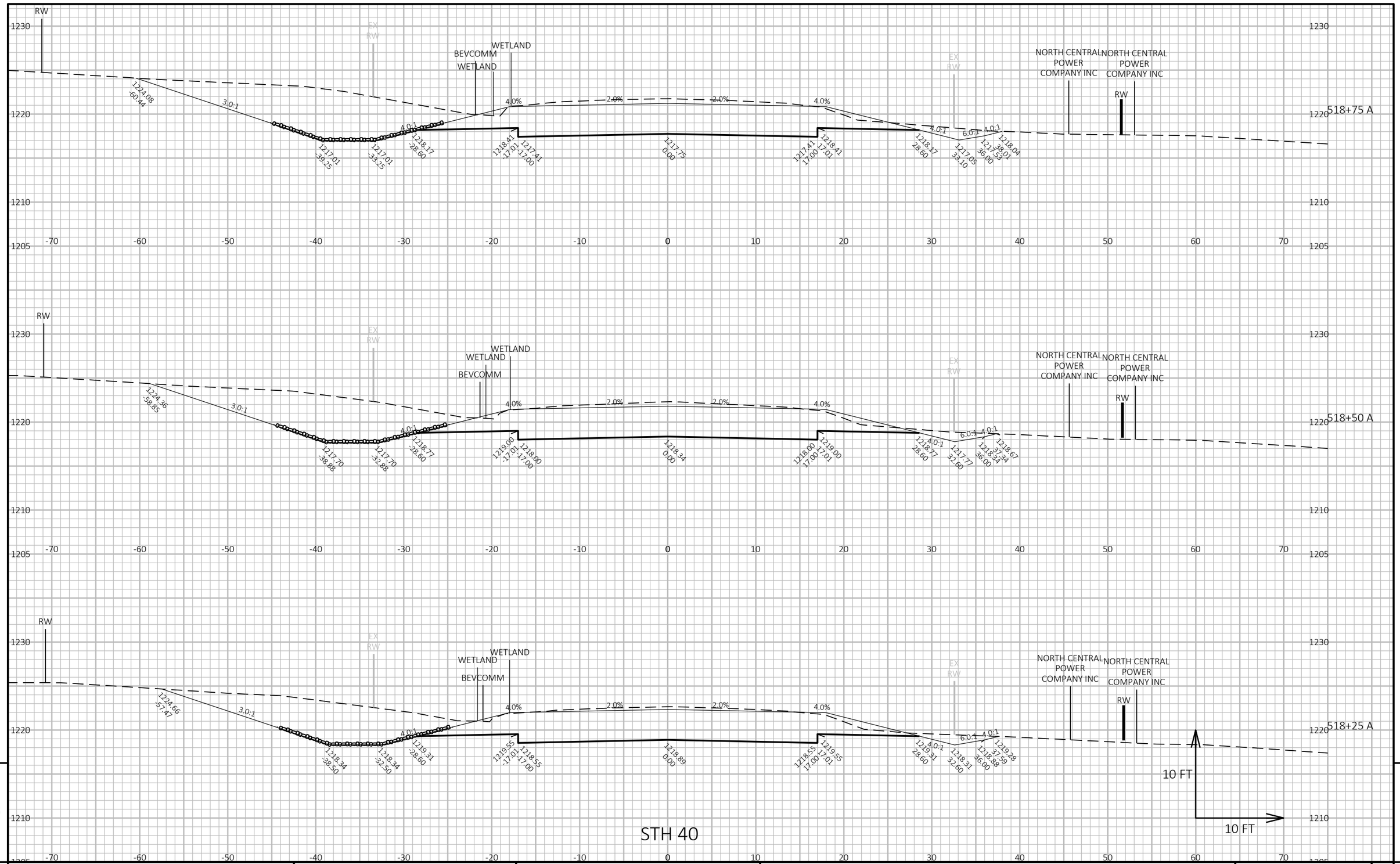
9 9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 153	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 41

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME ` **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



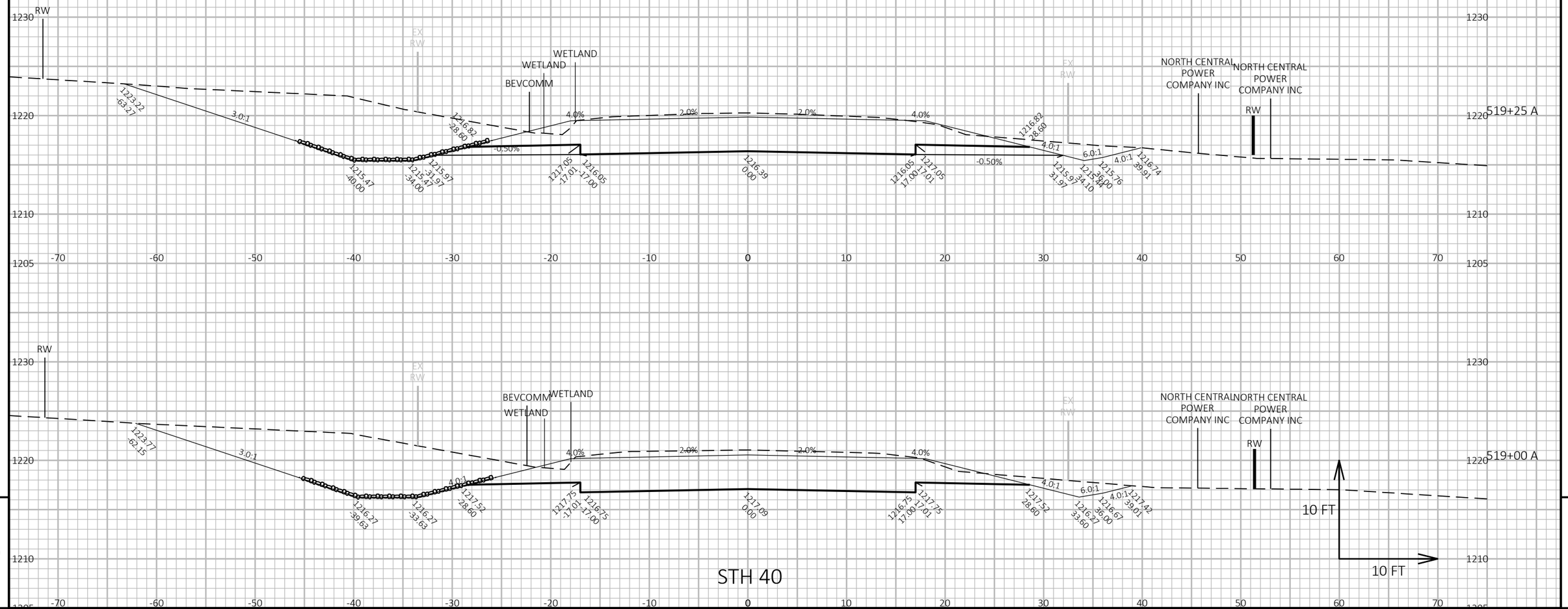
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 154	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 42

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

STH 40

9

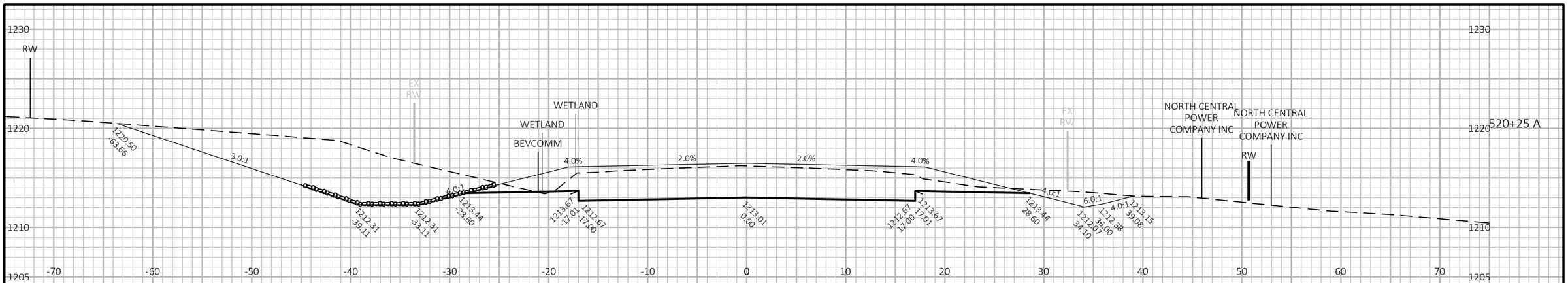
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 155	E

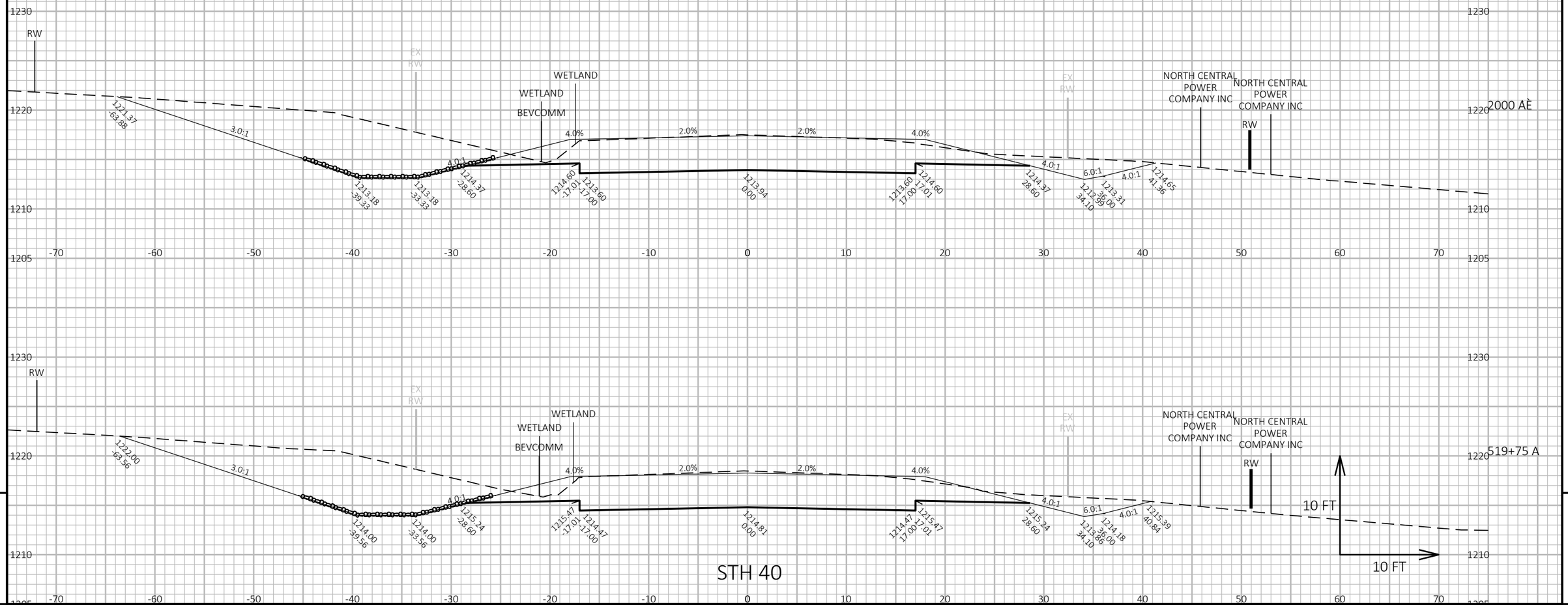
FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 43

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49





9

STH 40

9

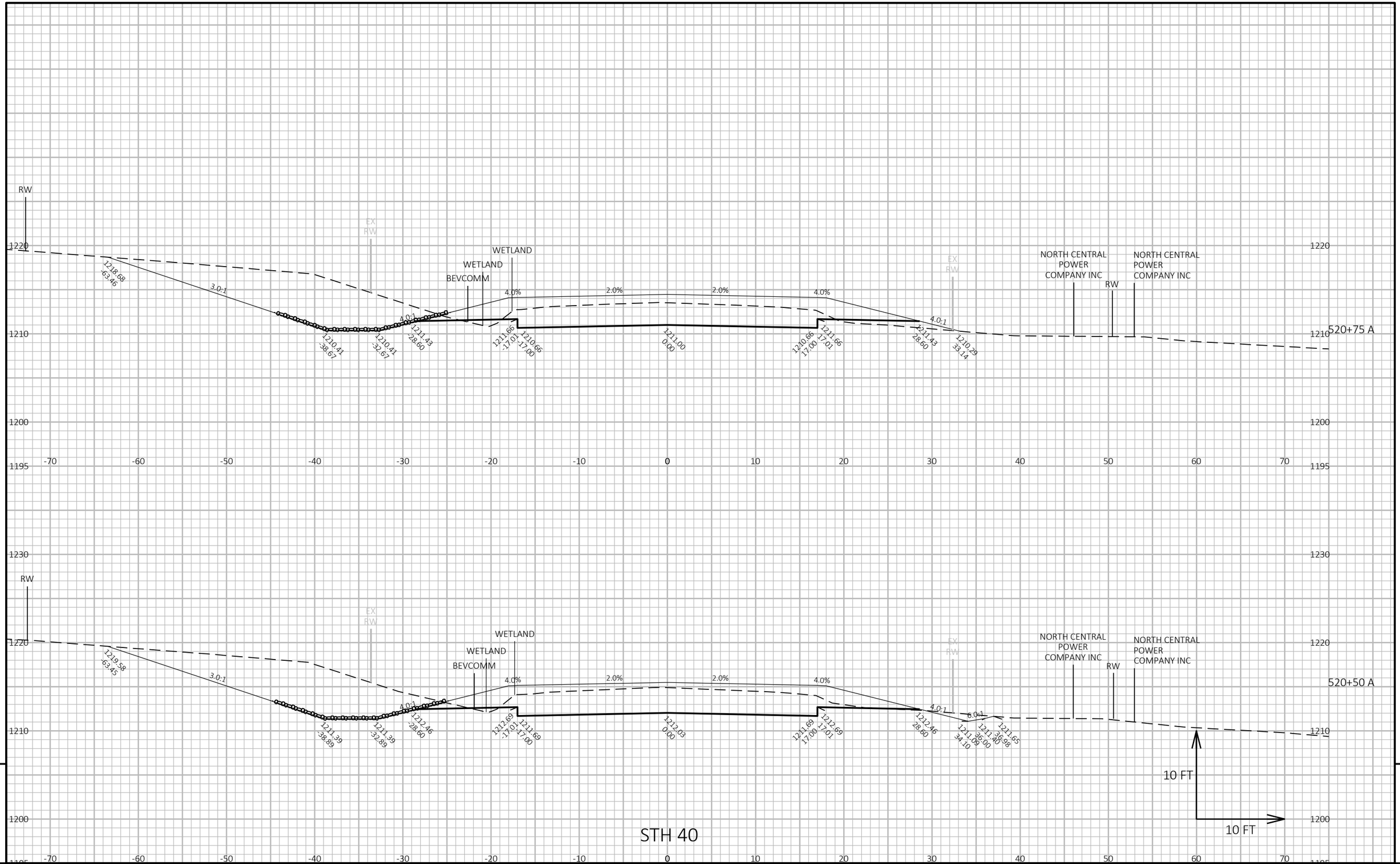
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 156	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 44

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



STH 40

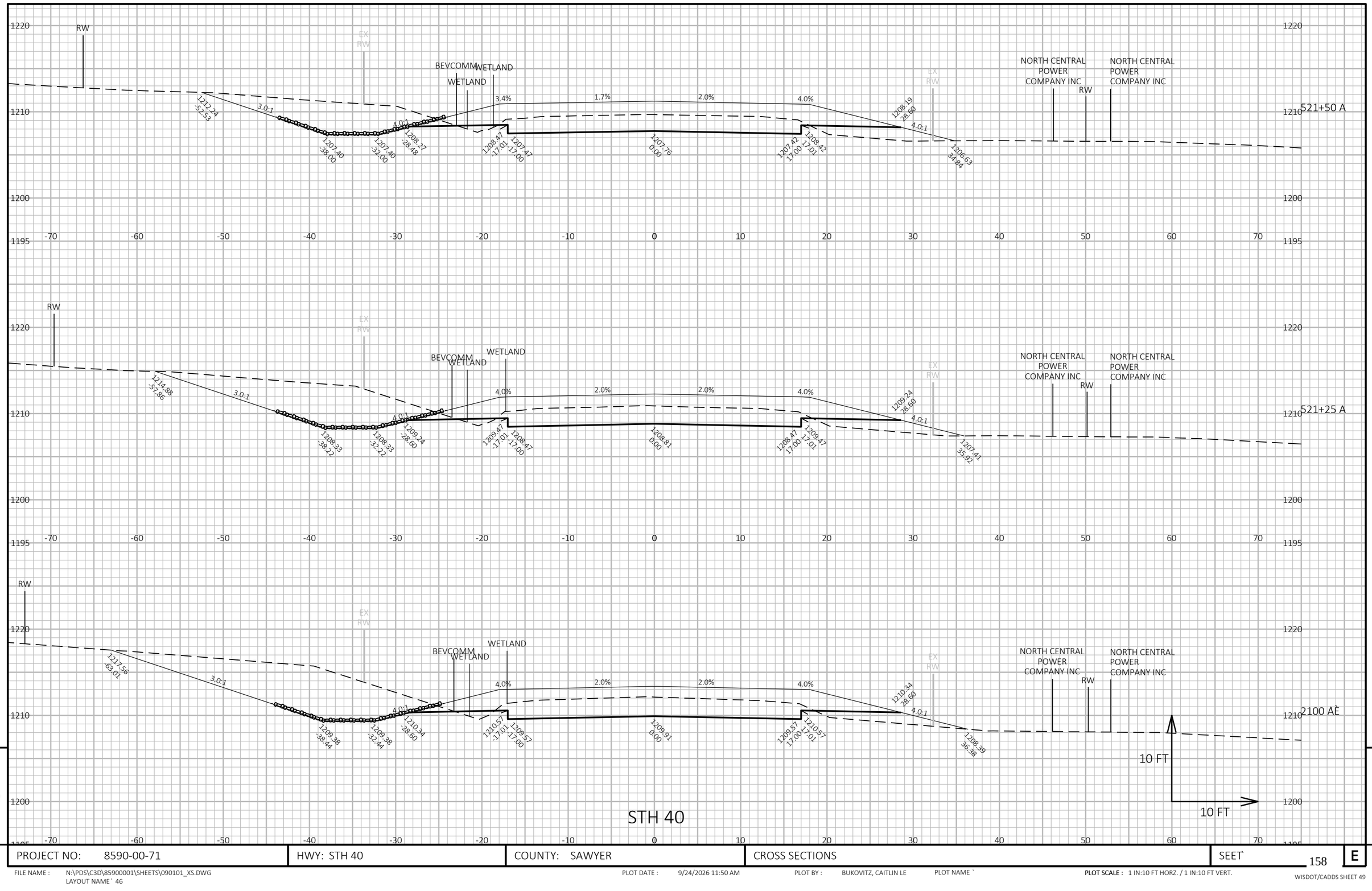
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 157	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 45

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 158	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 46

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49

STH 40

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 159	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME : 47

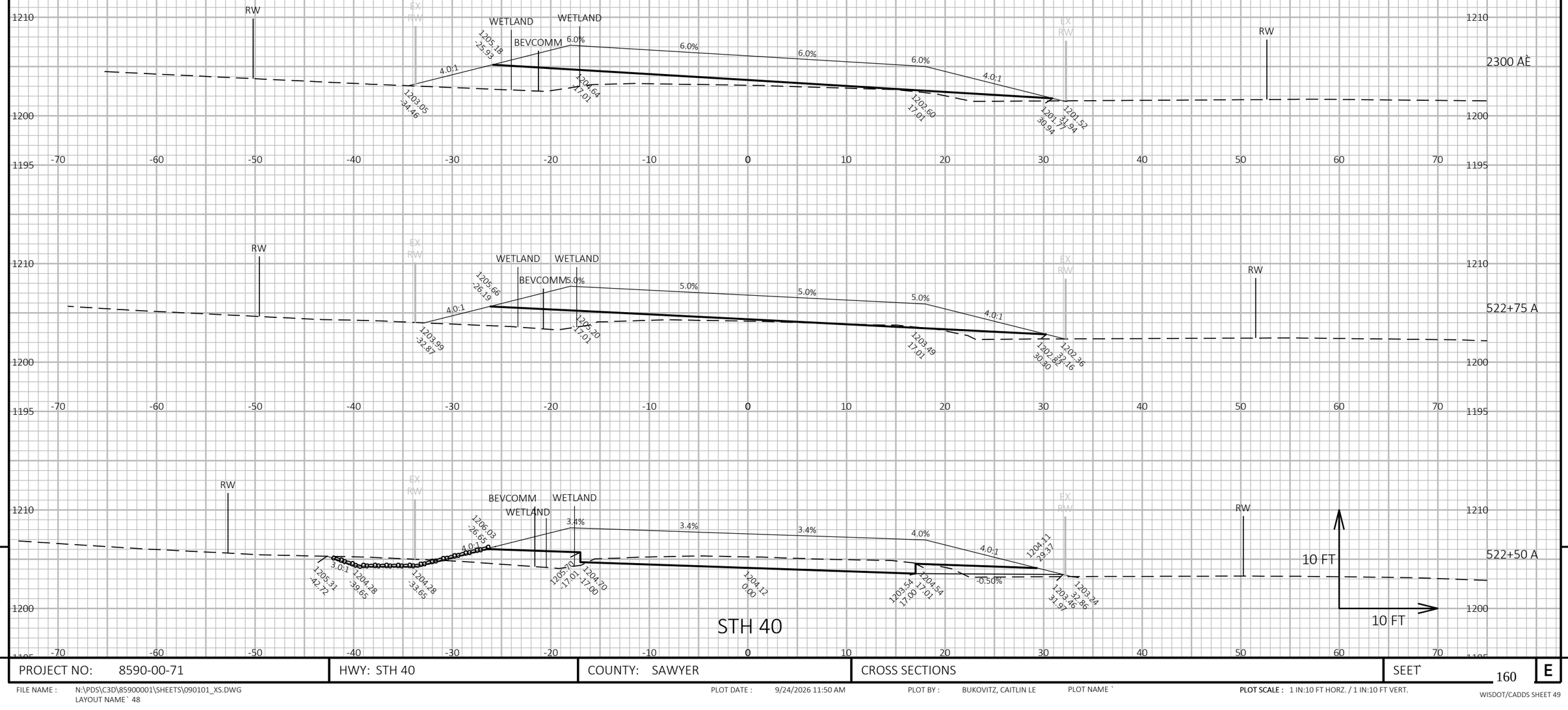
PLOT DATE : 9/24/2026 11:50 AM

PLOT BY : BUKOVITZ, CAITLIN LE

PLOT NAME :

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

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 160	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 48

PLOT DATE : 9/24/2026 11:50 AM

PLOT BY : BUKOVITZ, CAITLIN LE

PLOT NAME `

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

WISDOT/CADDS SHEET 49

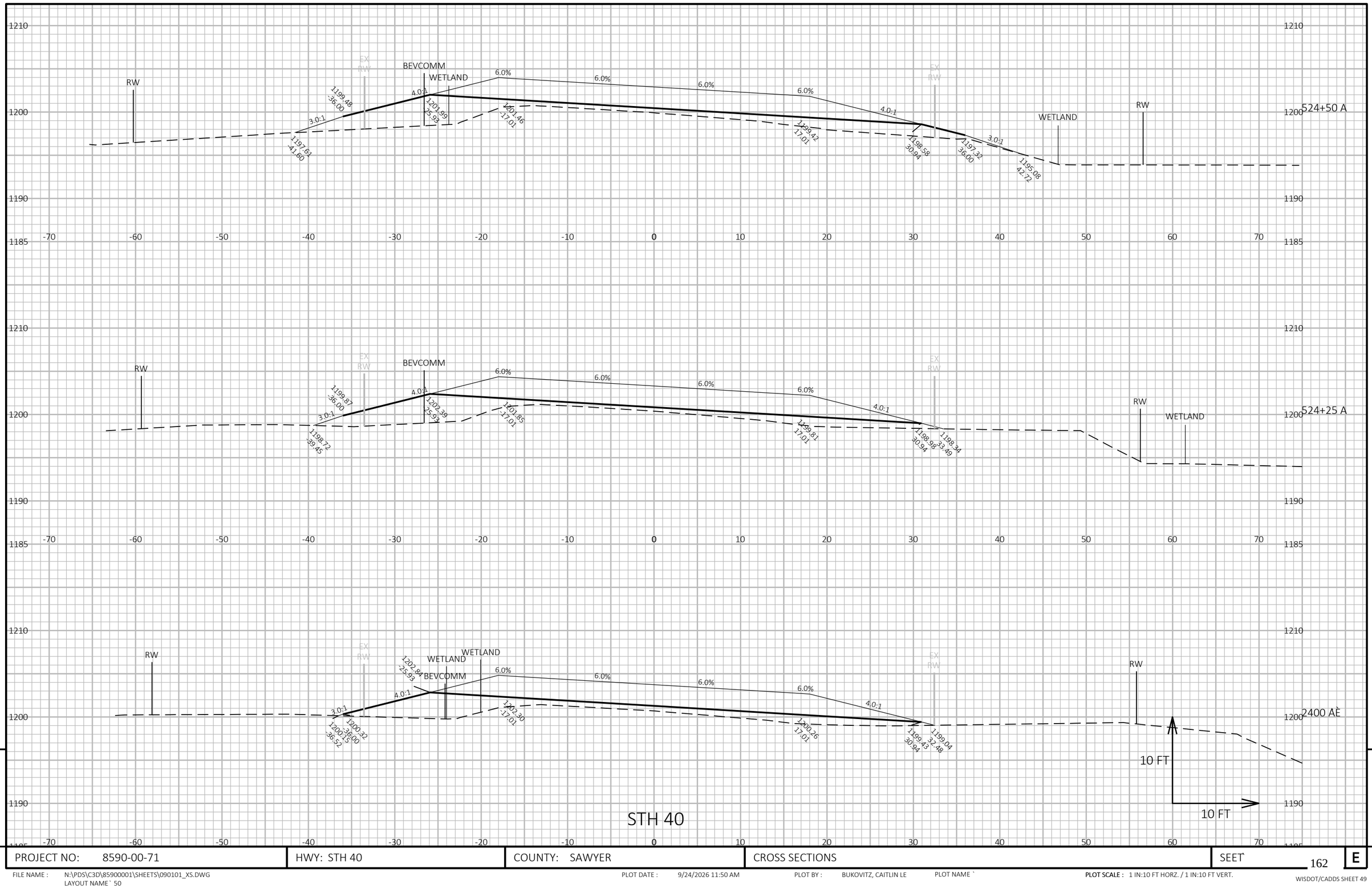
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 161	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 49

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



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PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 162	E

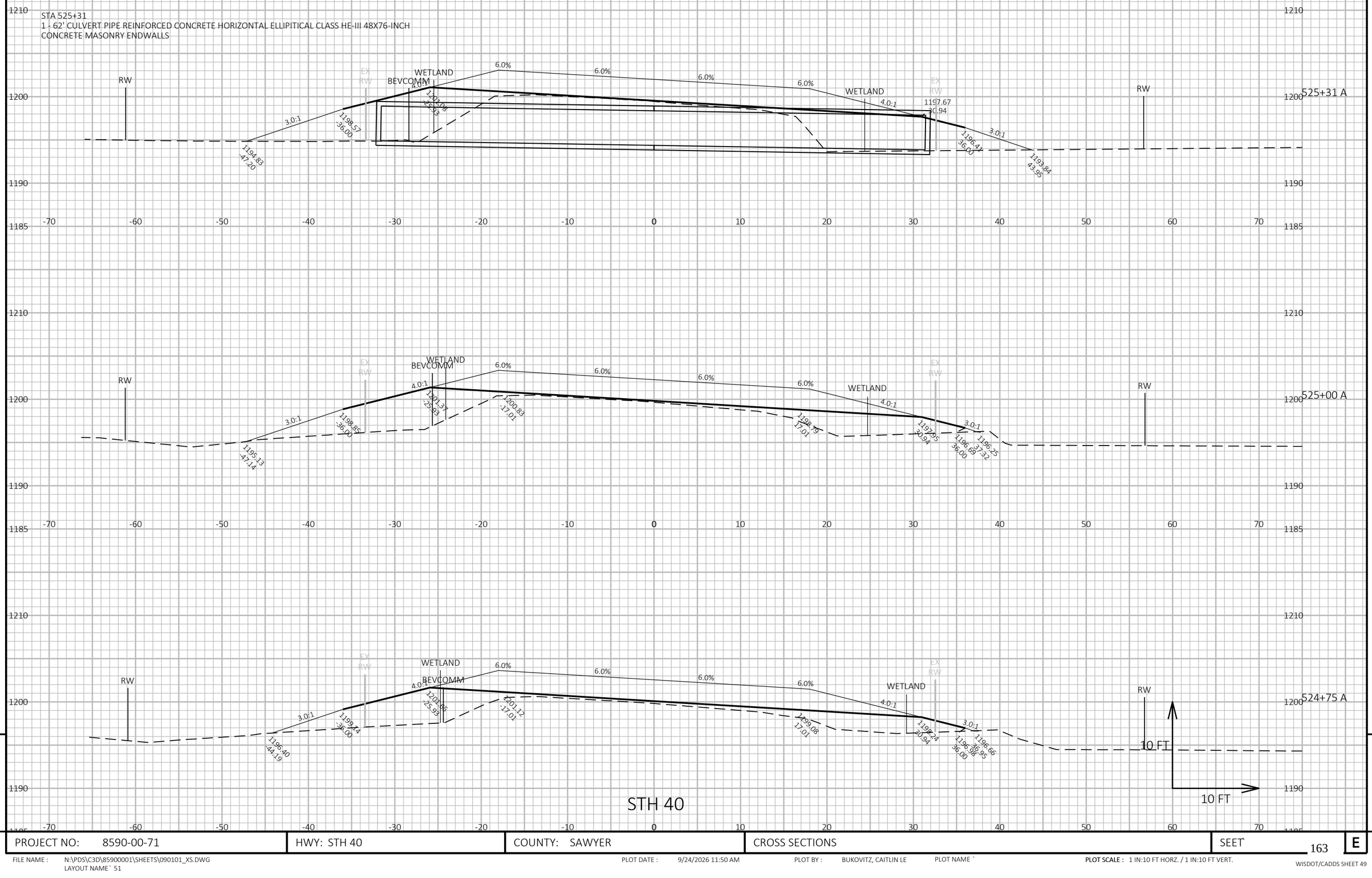
FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 50

PLOT DATE : 9/24/2026 11:50 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

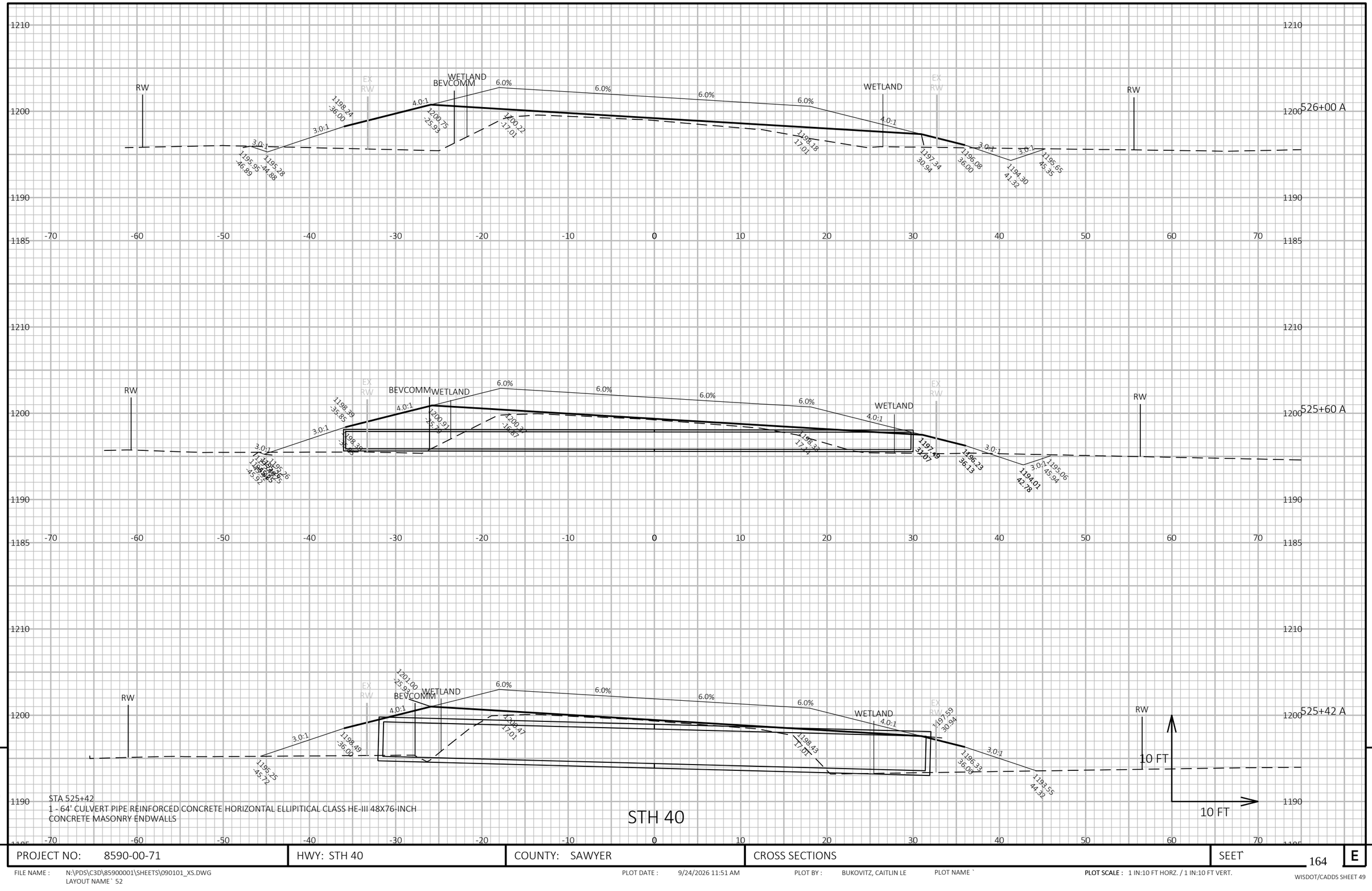
WISDOT/CADDS SHEET 49

STA 525+31
1 - 62' CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPITICAL CLASS HE-III 48X76-INCH
CONCRETE MASONRY ENDWALLS



PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 163	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 51
PLOT DATE : 9/24/2026 11:50 AM
PLOT BY : BUKOVITZ, CAITLIN LE
PLOT NAME `
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

STA 525+42
1 - 64' CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPITICAL CLASS HE-III 48X76-INCH
CONCRETE MASONRY ENDWALLS

STH 40

9

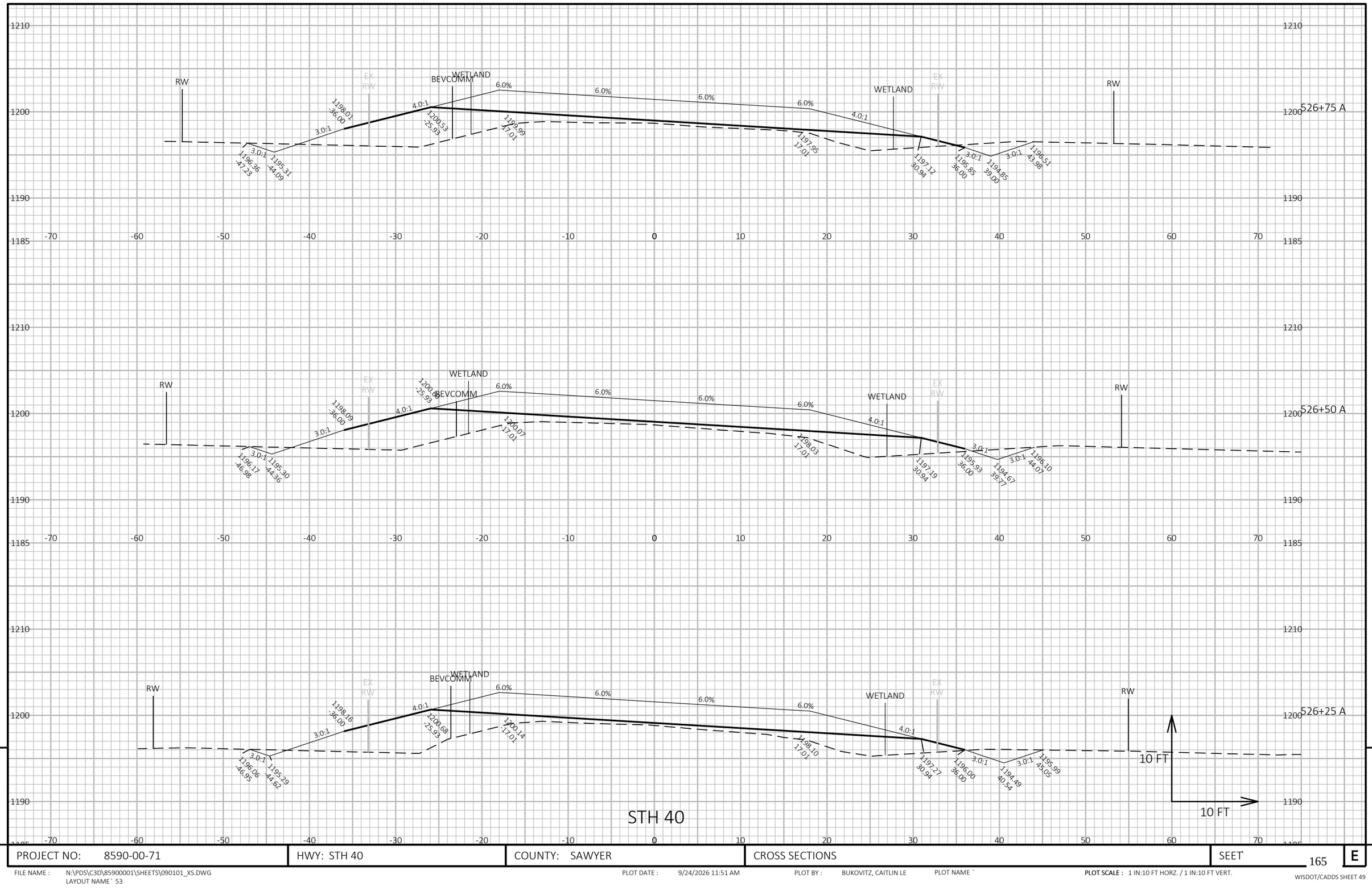
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 164	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 52

PLOT DATE : 9/24/2026 11:51 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



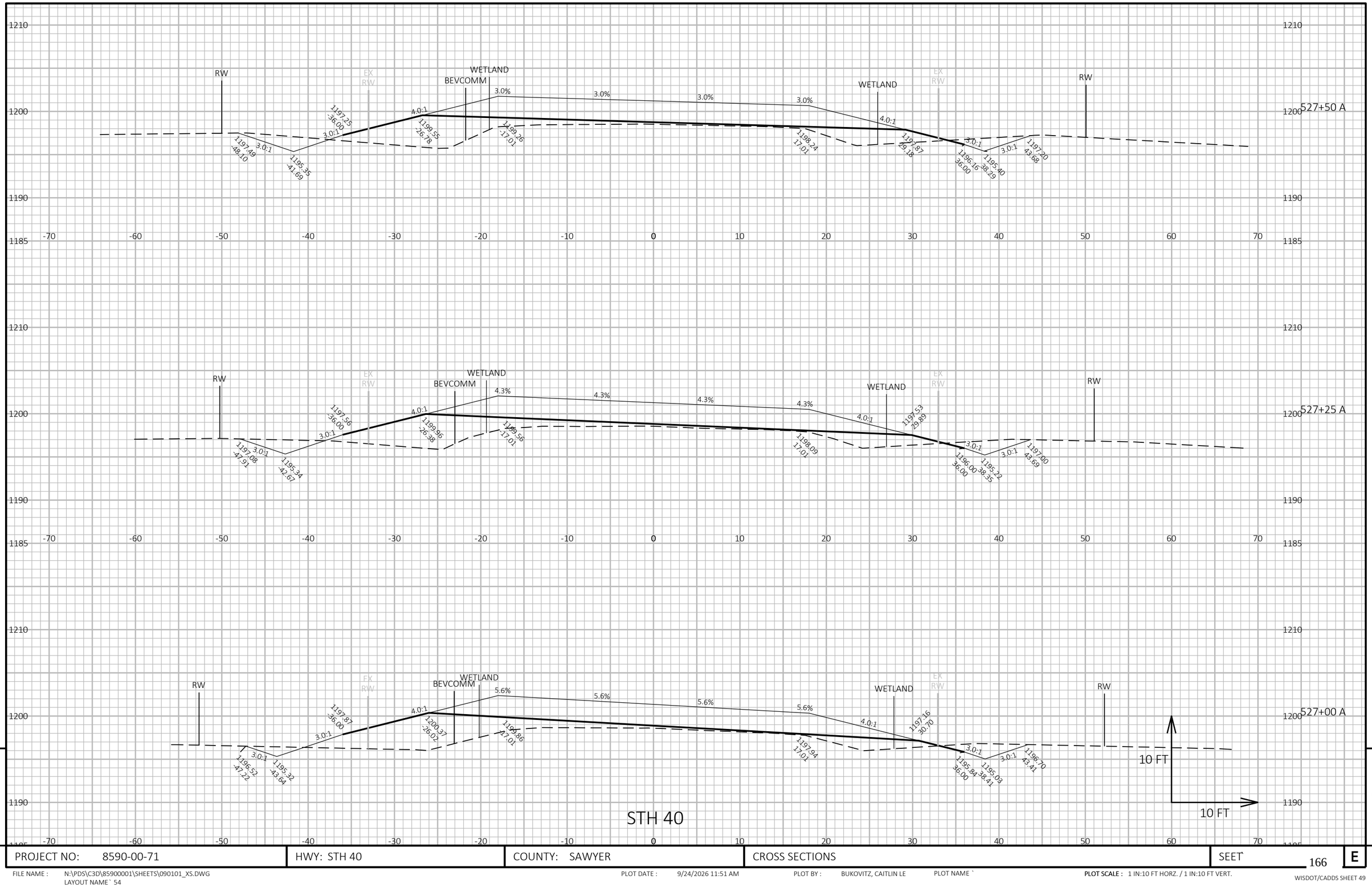
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 165	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME ` 53

PLOT DATE : 9/24/2026 11:51 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



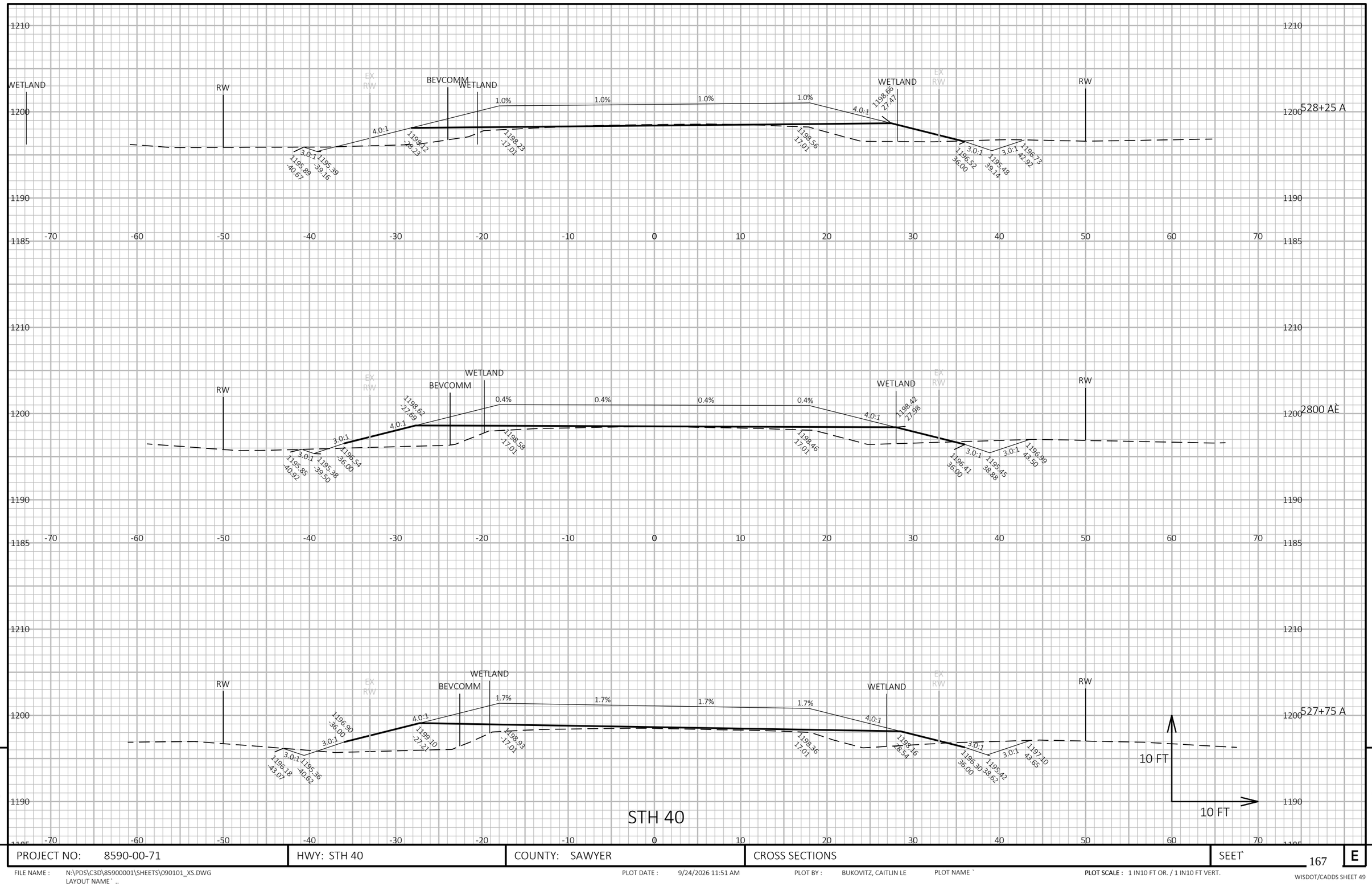
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET` 166	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` 54

PLOT DATE : 9/24/2026 11:51 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

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

WISDOT/CADDS SHEET 49



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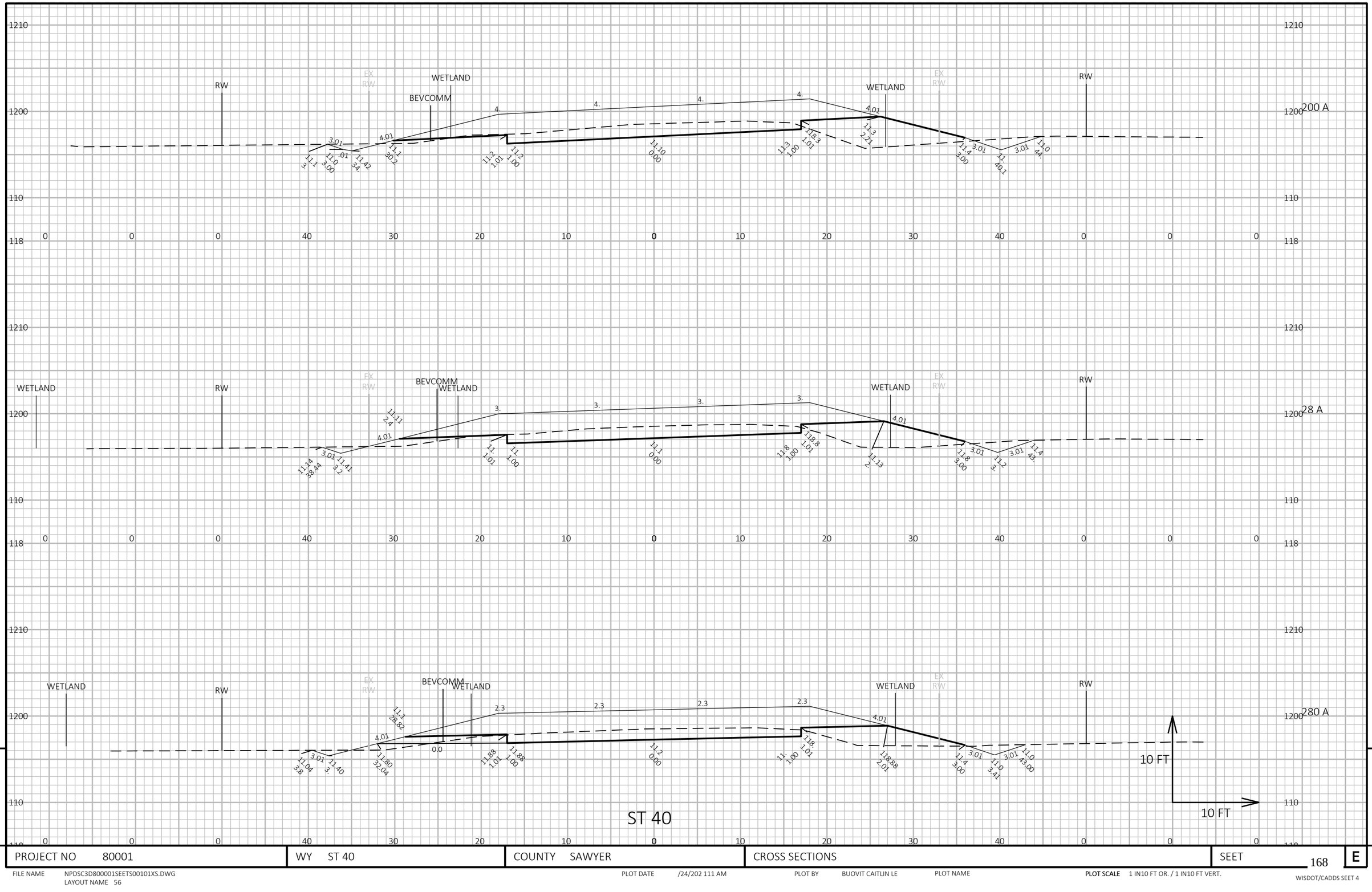
PROJECT NO: 8590-00-71	HWY: STH 40	COUNTY: SAWYER	CROSS SECTIONS	SEET 167	E

FILE NAME : N:\PDS\C3D\85900001\SHEETS\090101_XS.DWG
LAYOUT NAME` ..

PLOT DATE : 9/24/2026 11:51 AM PLOT BY : BUKOVITZ, CAITLIN LE PLOT NAME `

PLOT SCALE : 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SHEET 49



9

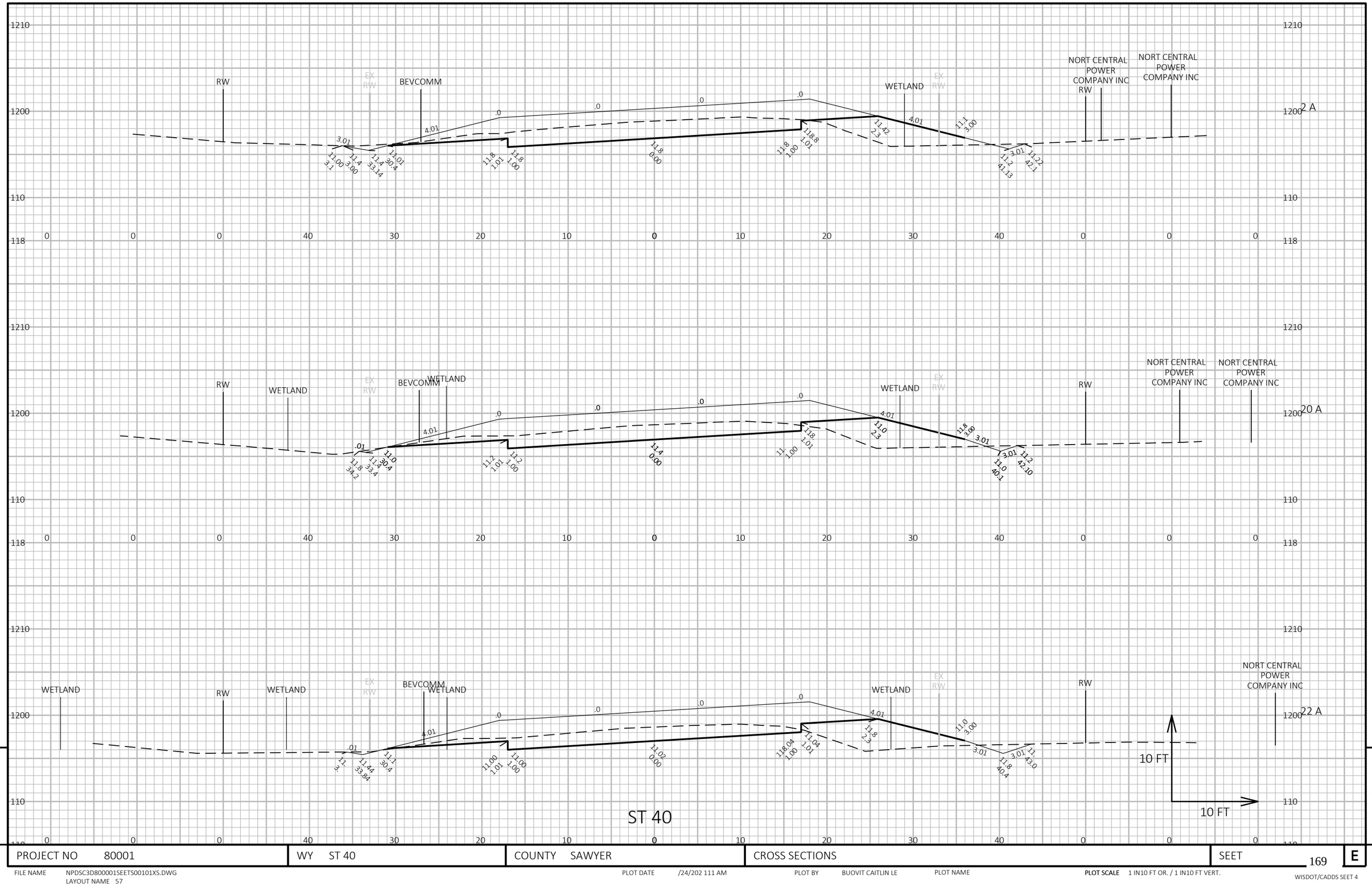
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 168 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 56

PLOT DATE /24/202 111 AM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

9



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 169	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 57

PLOT DATE /24/202 111 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 170

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 8

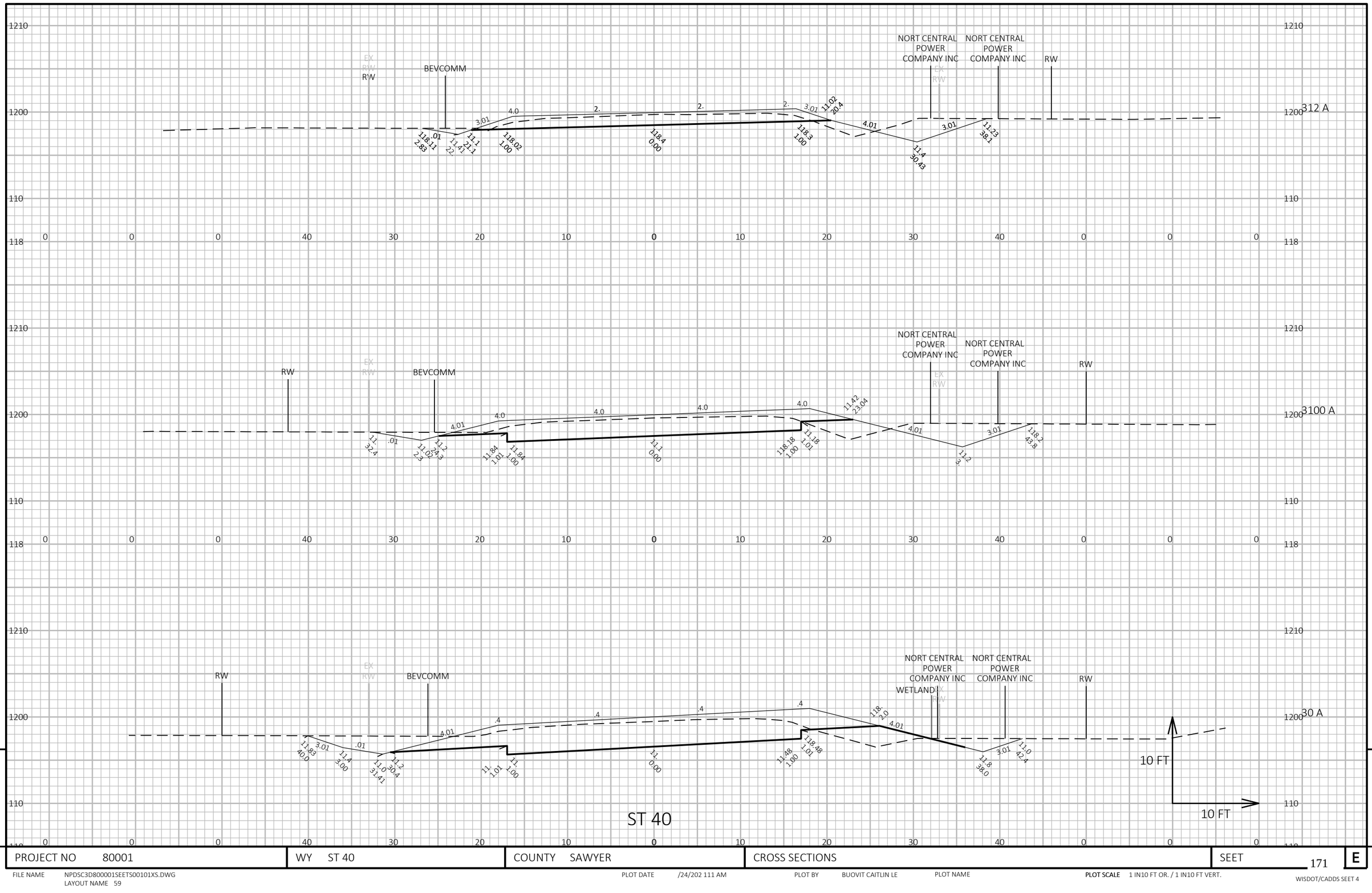
PLOT DATE /24/202 111 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

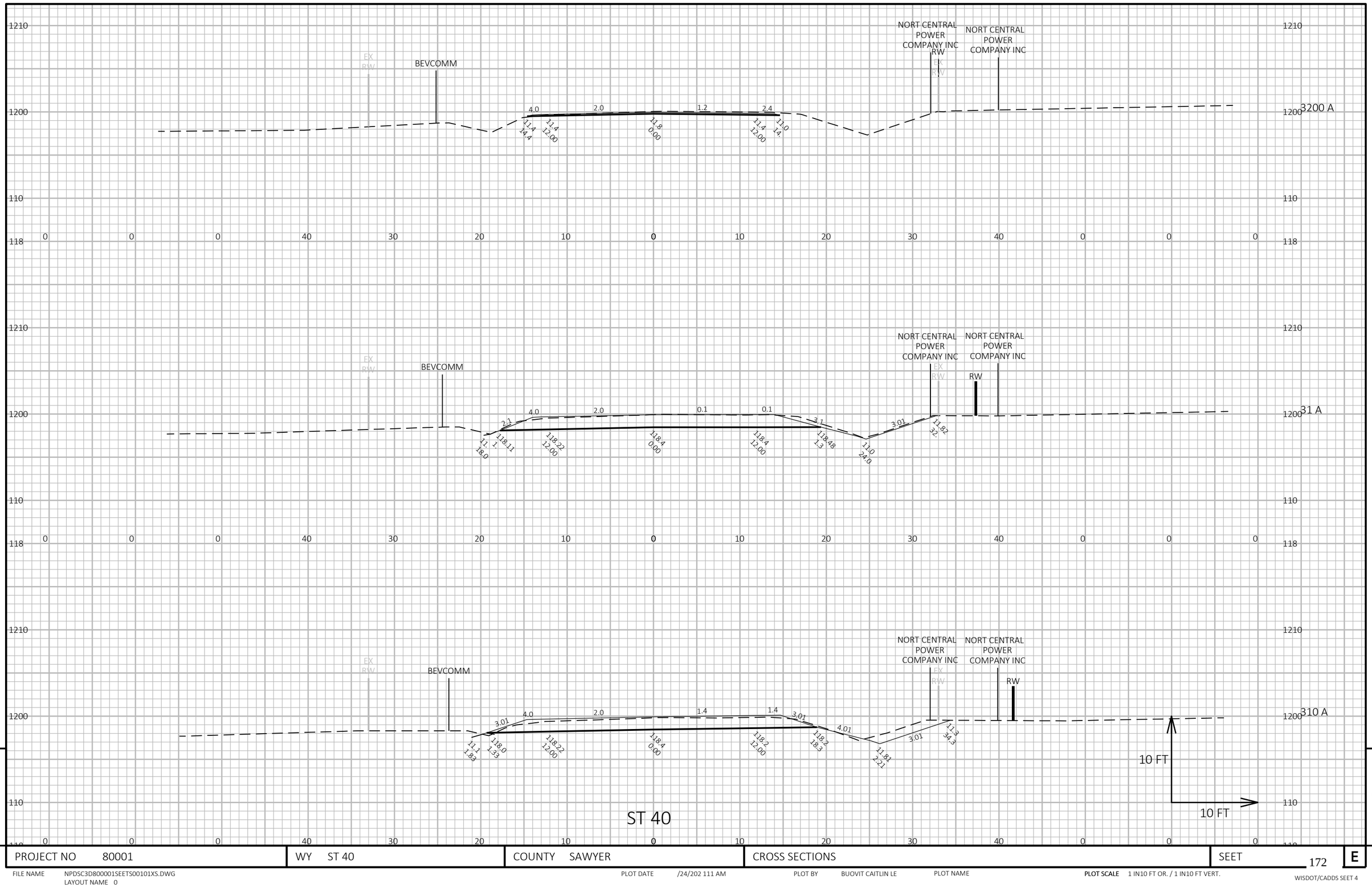
WISDOT/CADDS SEET 4



9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 171	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 59
PLOT DATE /24/202 111 AM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



9

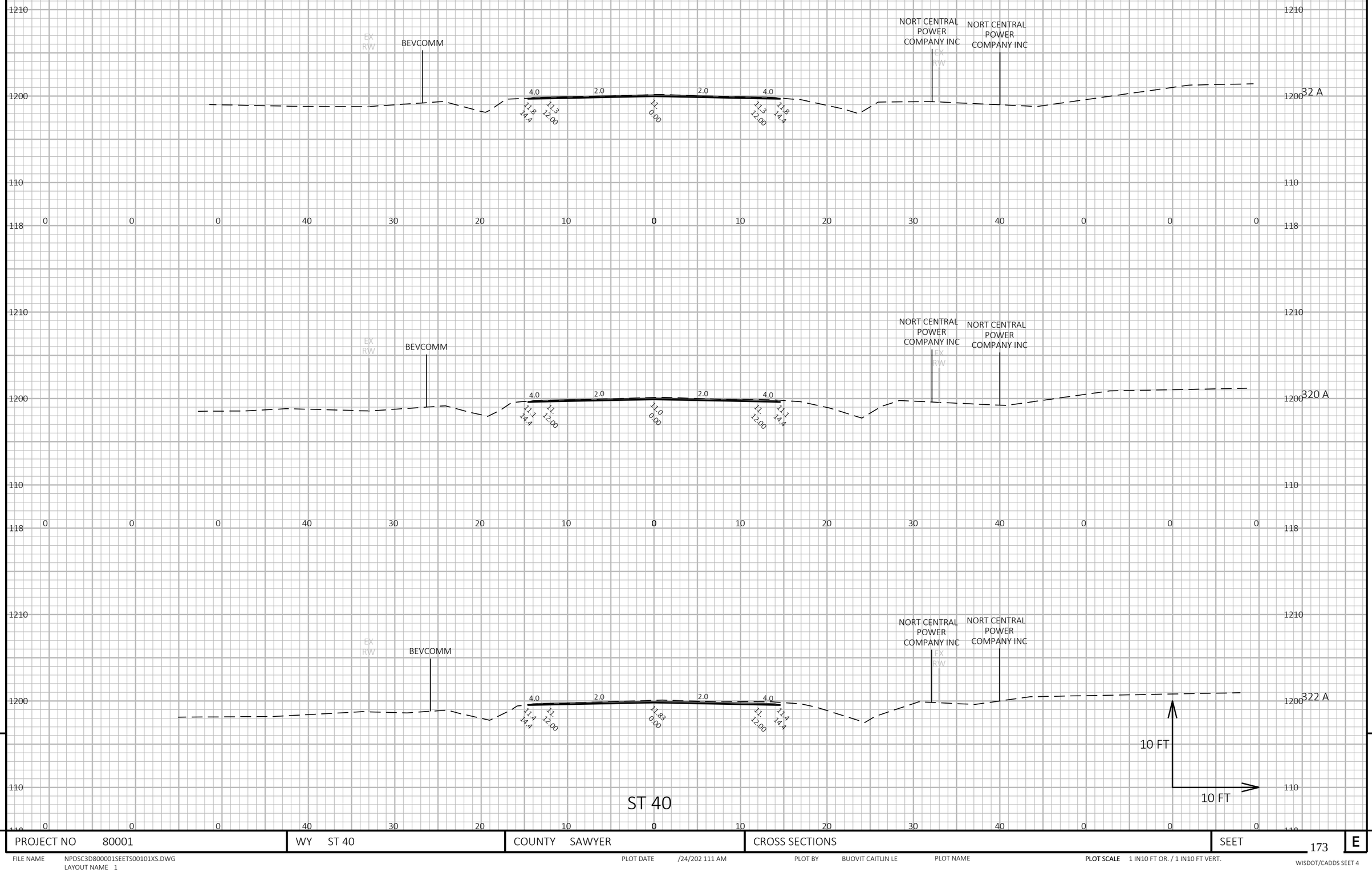
9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 172	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

PLOT DATE /24/202 111 AM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

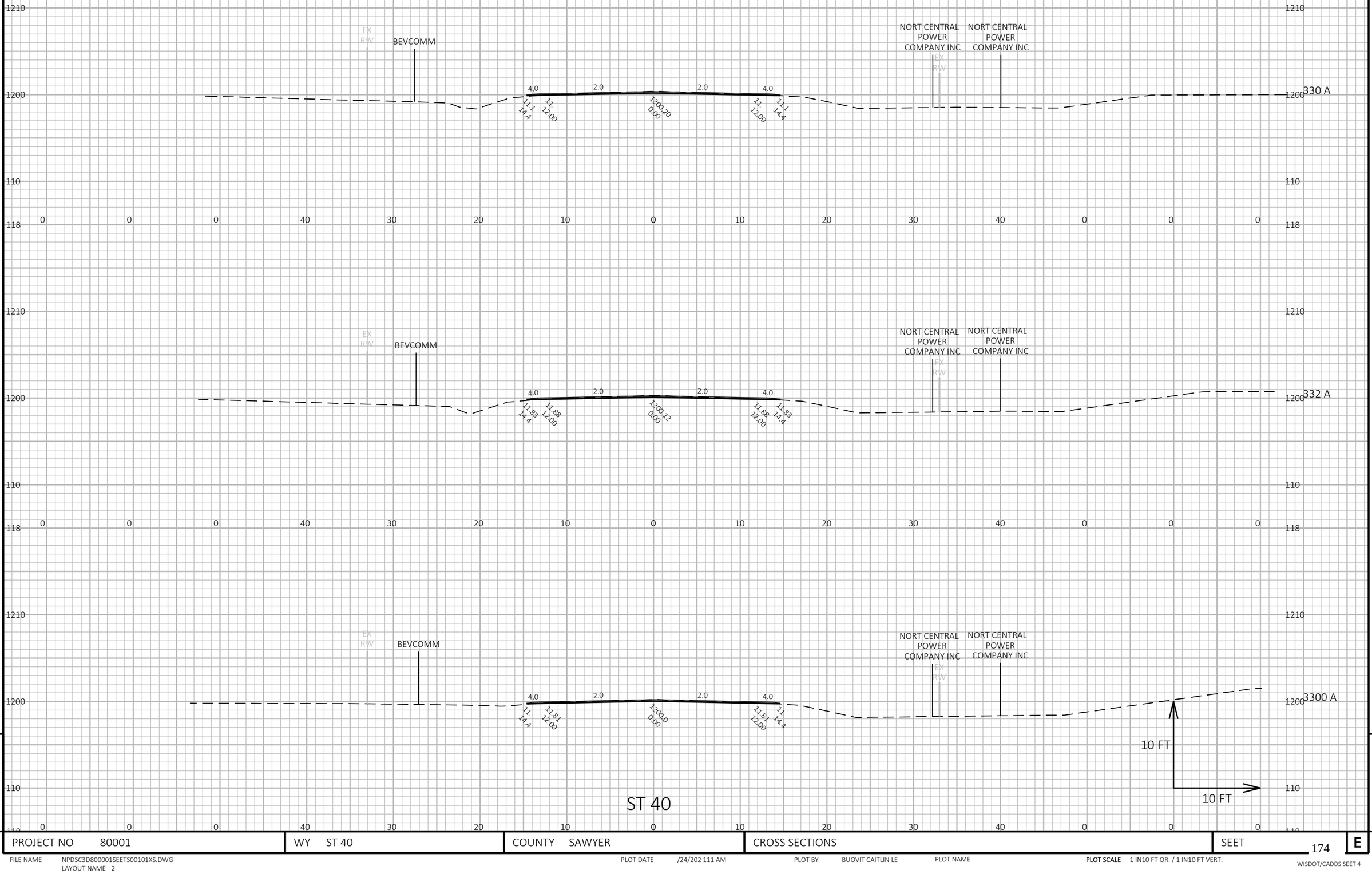
9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 173	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1

PLOT DATE /24/202 111 AM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



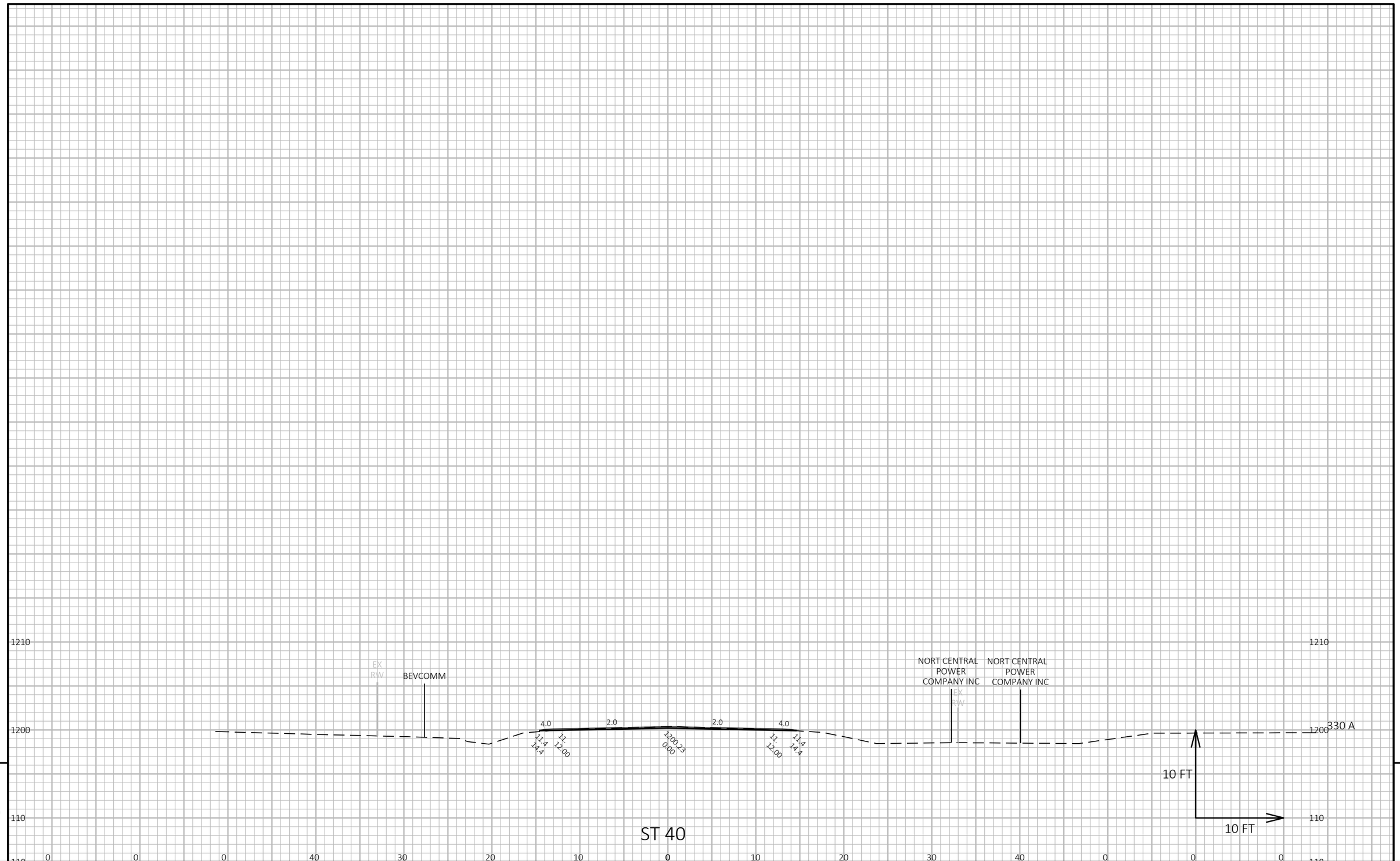
ST 40

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 174	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

PLOT DATE /24/202 111 AM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

9

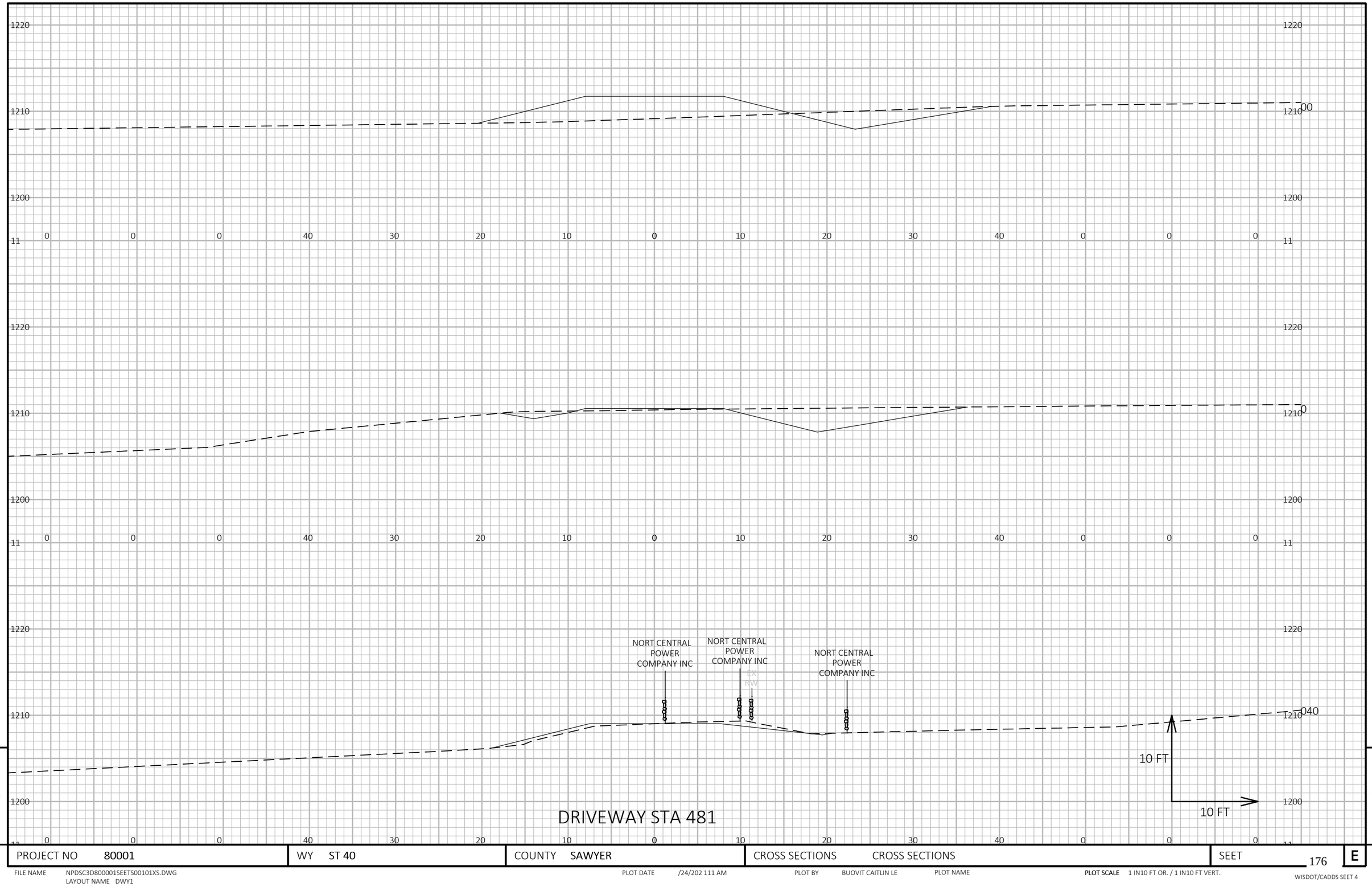
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 175	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

PLOT DATE /24/202 111 AM PLOT BY BUOVIT CAITLIN LE PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 481

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 176	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY1

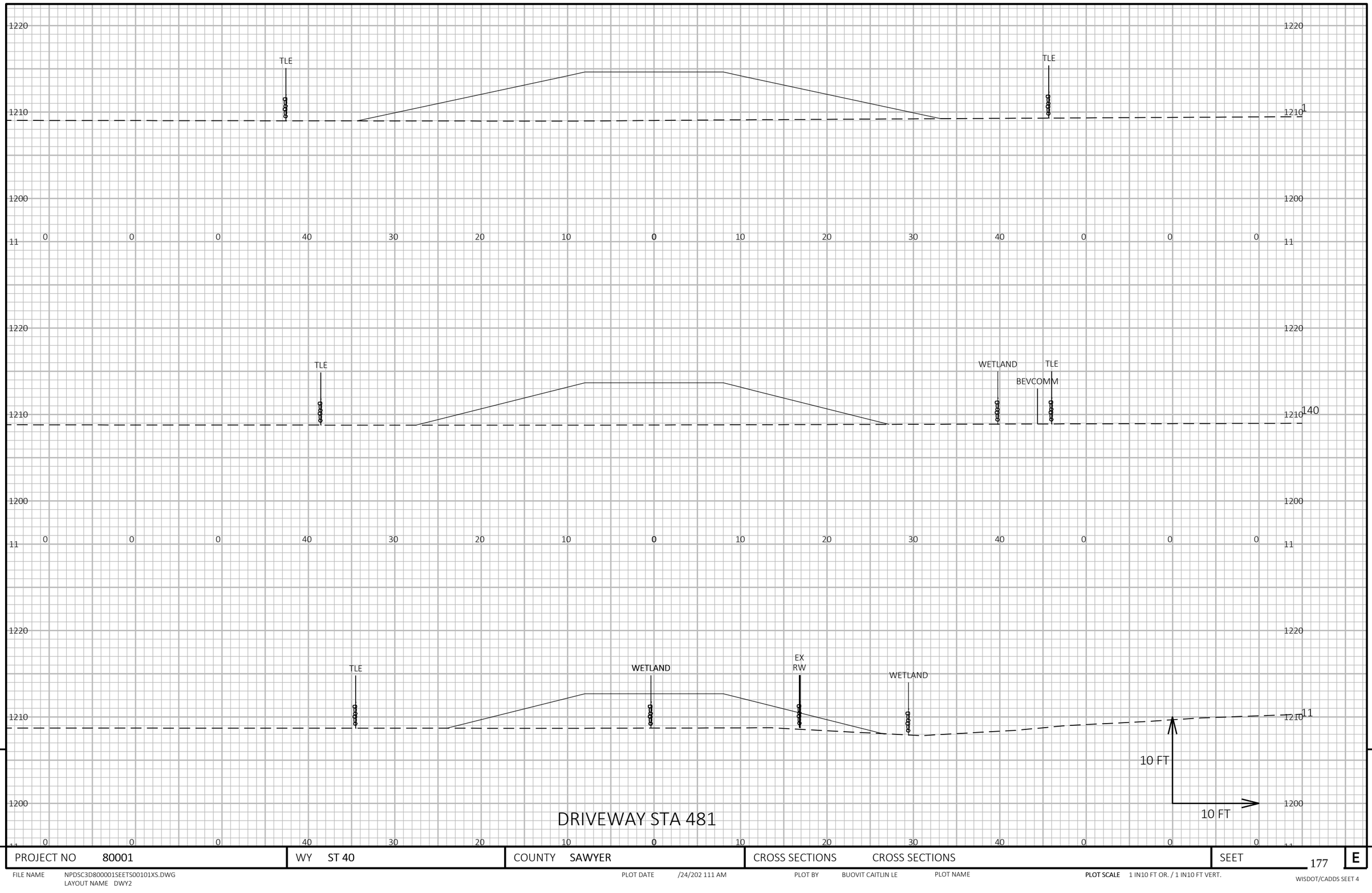
PLOT DATE /24/202 111 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 481

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 177	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY2

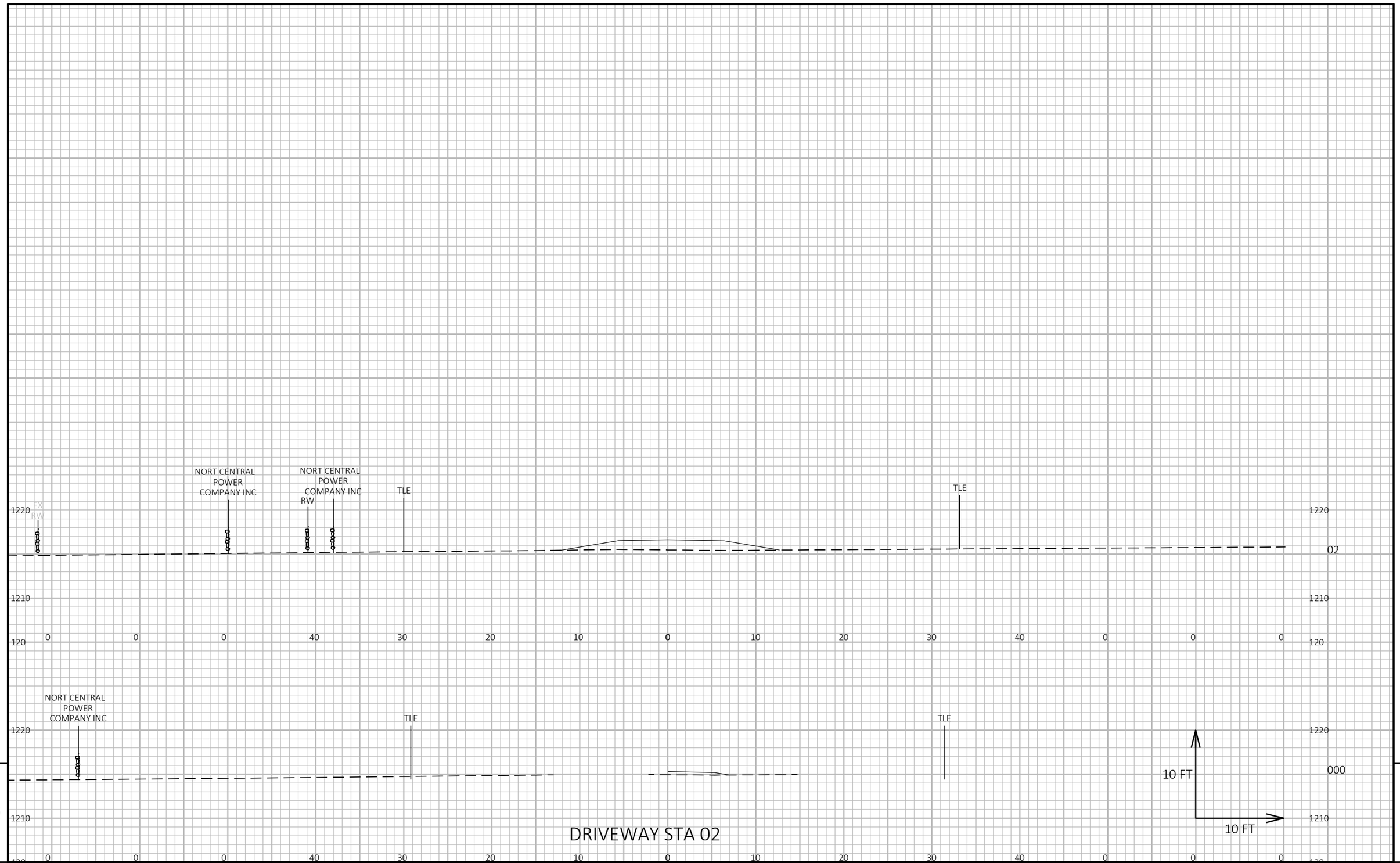
PLOT DATE /24/202 111 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 02

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 178	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY3

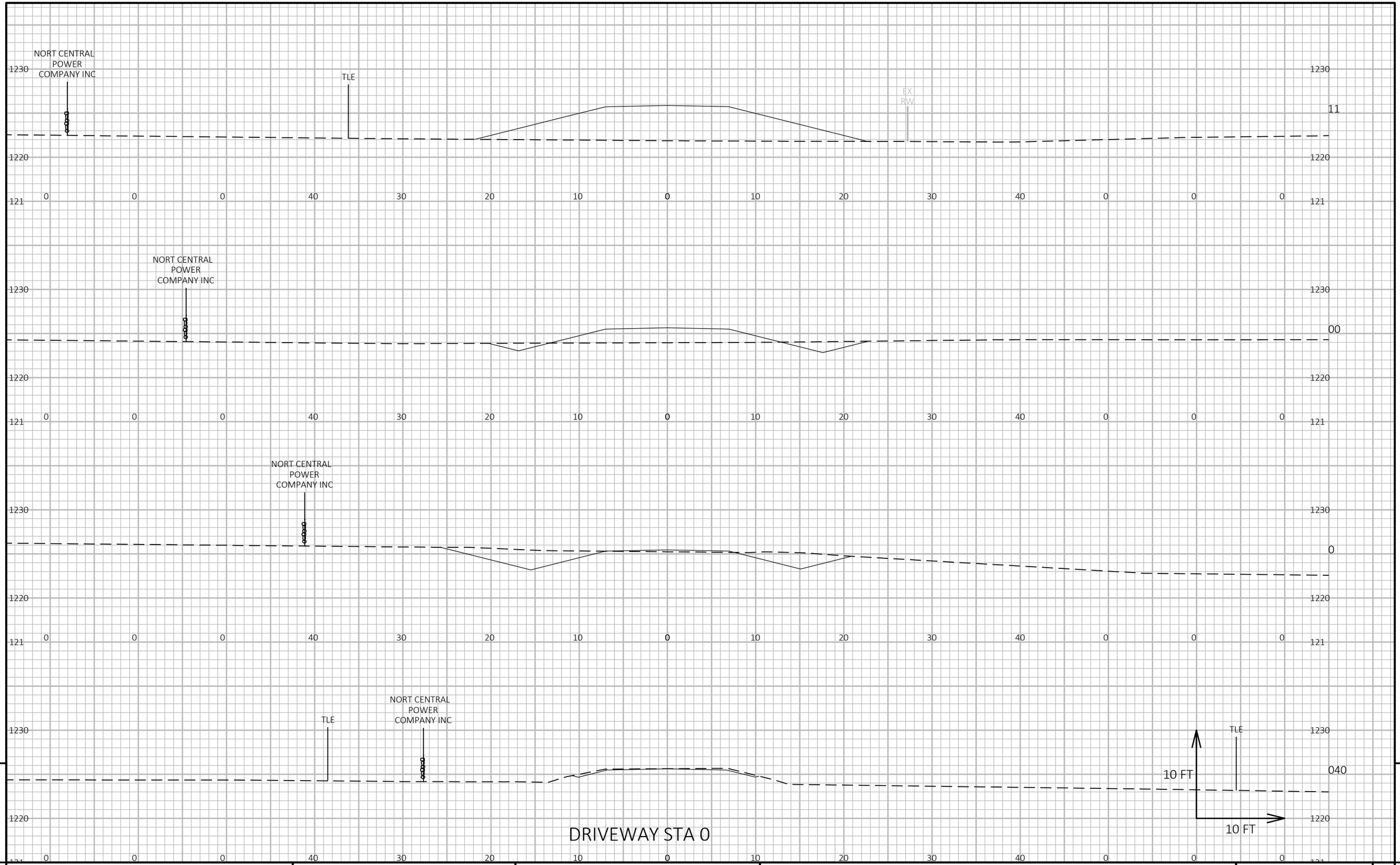
PLOT DATE /24/202 111 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 179	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY4

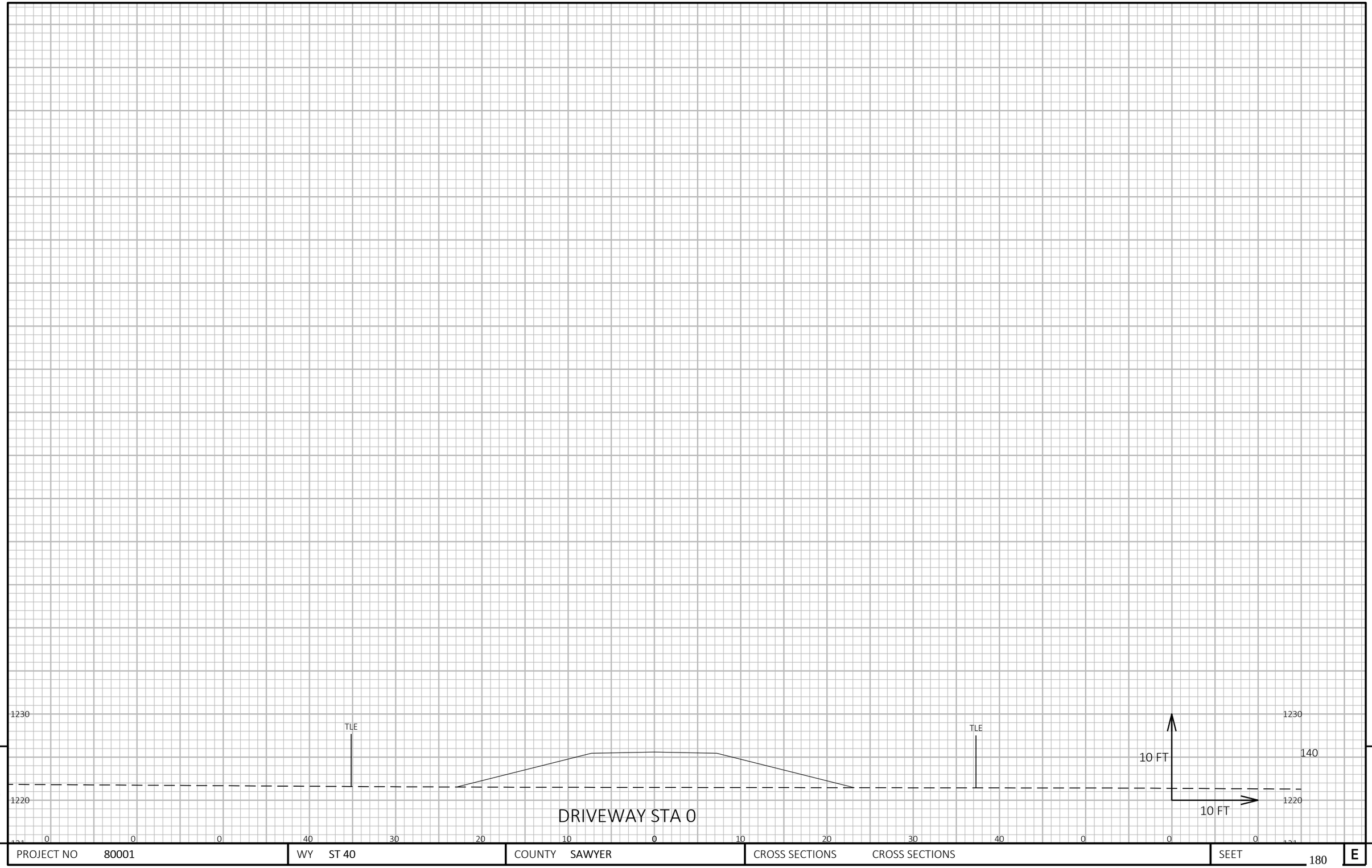
PLOT DATE /24/202 111 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 180	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY

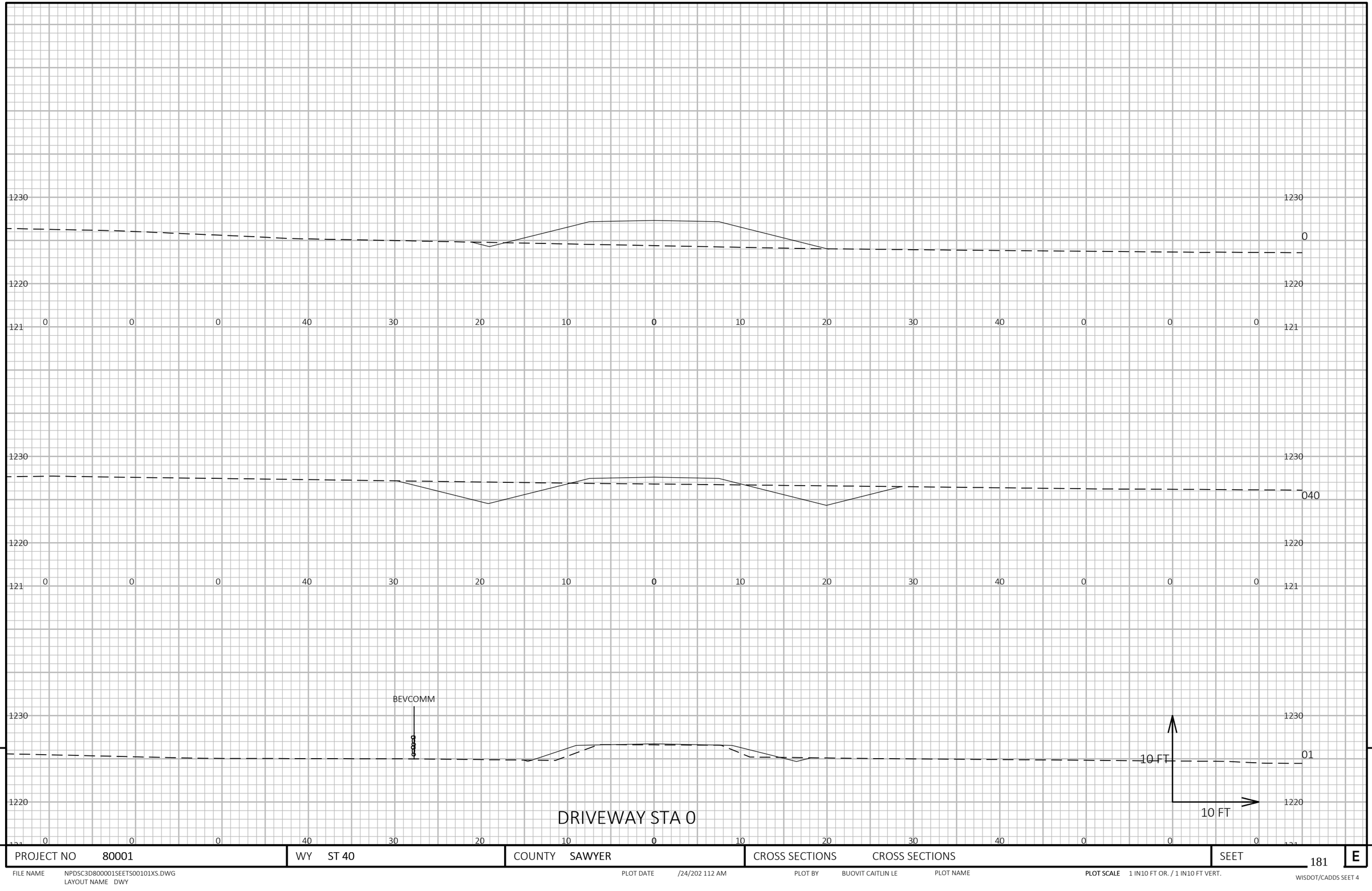
PLOT DATE /24/202 112 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 181	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY

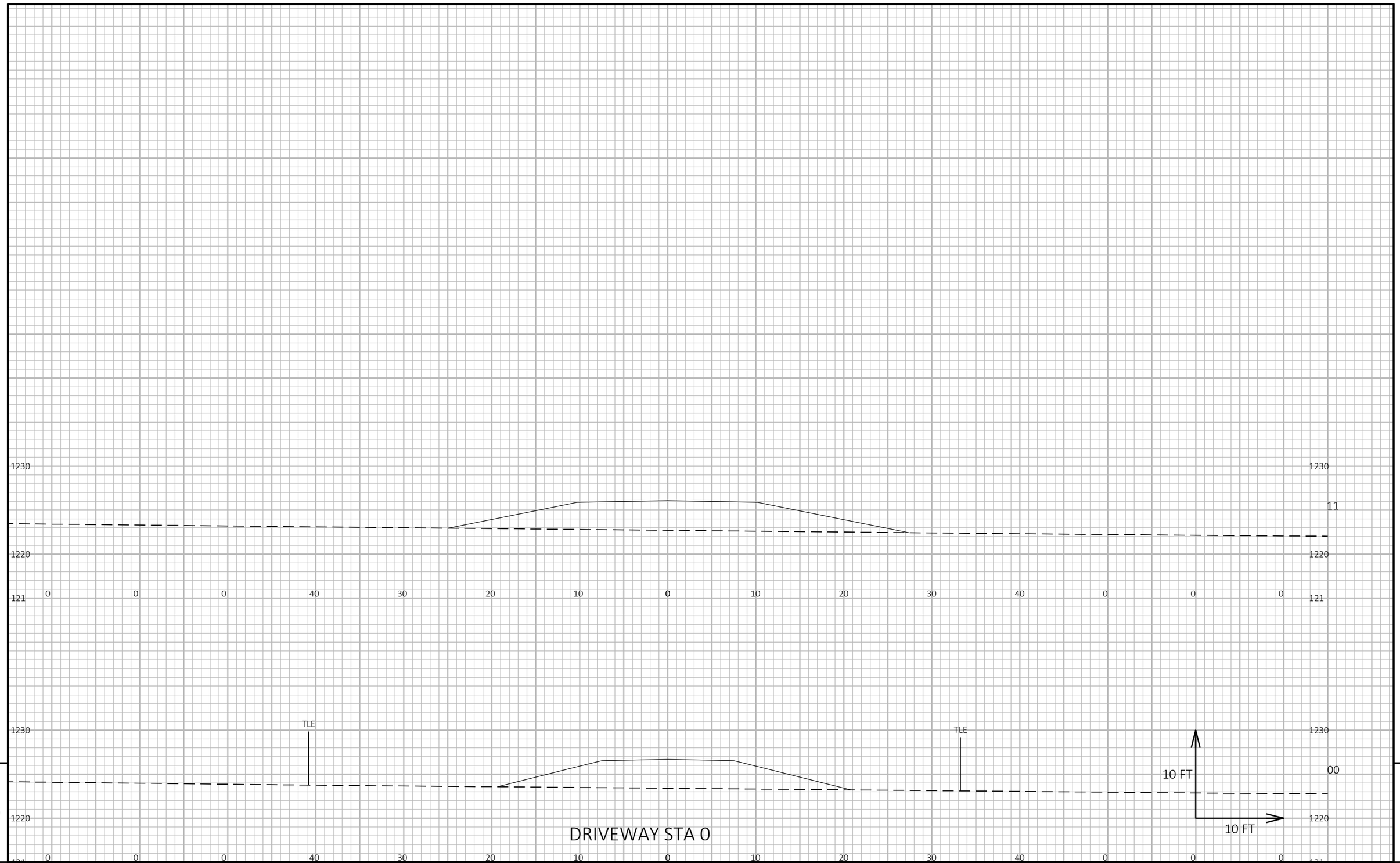
PLOT DATE /24/202 112 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 182	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY

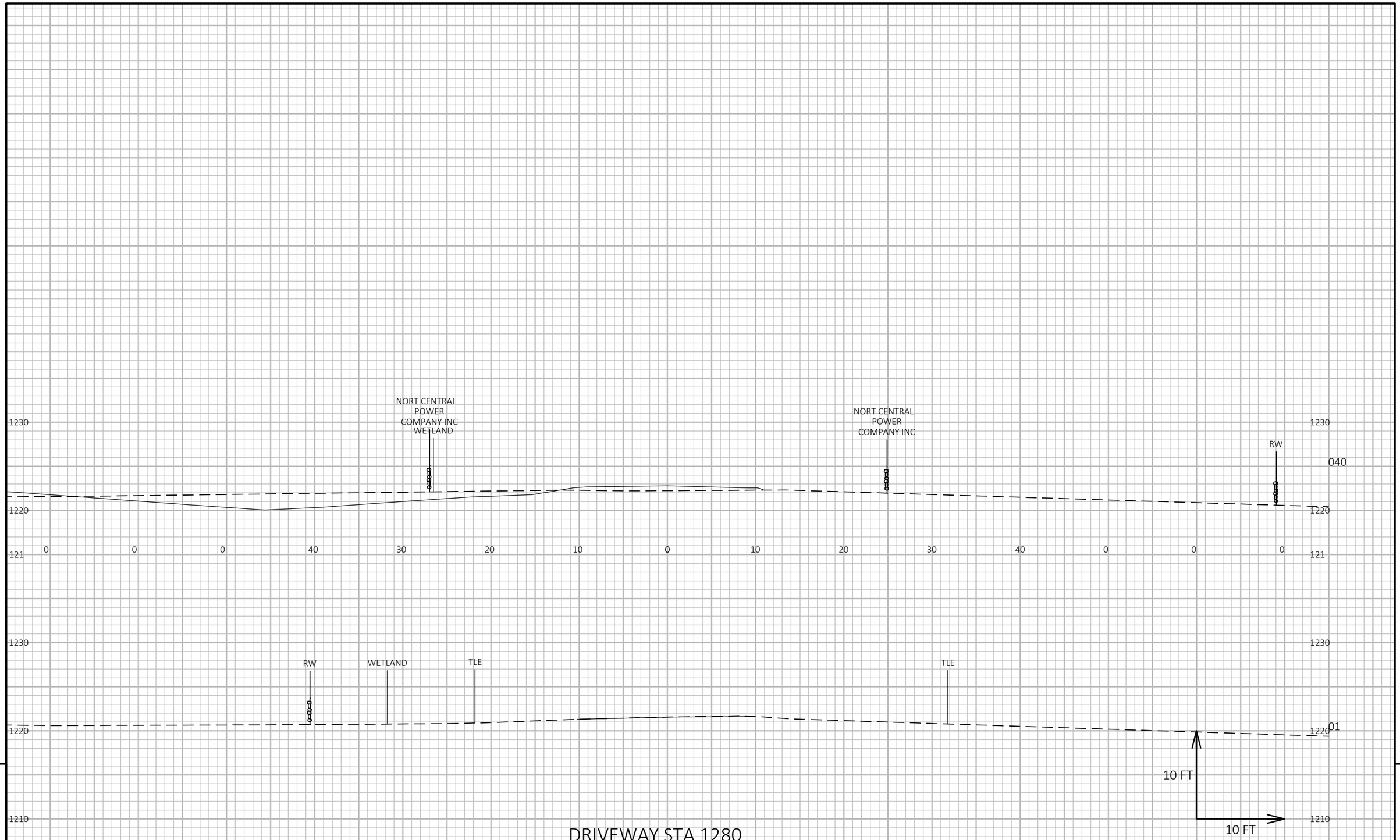
PLOT DATE /24/202 112 AM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 183	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY8

PLOT DATE /24/202 112 AM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	EXPANDED FILL/ BORROW	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
486+00.00	2.74	17.33	1.59	0	0	0	0	0	0	0	0	0
486+25.00	9.52	17.33	3.03	0	.	1	2	0	6	3	0	13
480.00	1.	122.	0	1.3	77	65	1	24	83	4	2	2
48.00	21.	1.81	0	2.41	14	134	0	48	2	4	8	38
4800.00	1.1	14.04	0	2.14	13	14	0	48	40	4	144	82
482.00	18.2	144.	0	1.8	1	138	0	48	2	4	202	123
480.00	1.22	13.2	0	1.2	1	131	0	48	8	4	2	11
48.00	18.38	138.12	0	1.8	1	12	0	48	3	4	31	1
48800.00	181.48	140.44	0	2.11	1	12	0	48	1130	4	34	23
4882.00	182.4	141.3	0	2.34	1	130	0	48	12	4	432	2
4880.00	1.1	138.	1.18	2.2	18	130	1	4	14	5	41	313
488.00	13.2	134.2	1.8	2.2	13	12	1	4	130	7	0	34
4800.00	1.2	124.2	2.08	2.2	14	120	2	4	184	9	08	380
482.00	148.	11.0	1.1	2.2	143	111	2	4	12	12	667	40
480.00	142.2	111.02	0.0	2.2	13	10	1	4	202	13	2	438
48.00	140.38	10.2	0	2.2	131	102	0	4	213	13	8	4
4000.00	13.	10.2	0	2.2	130	101	0	4	2323	13	844	4
402.00	132.8	103.84	0	2.2	12	99	0	4	244	13	02	23
400.00	120.2	4.2	0	2.2	11	2	0	4	2	13	1	48
40.00	103.1	81.	0	2.2	104	82	0	4	20	13	1020	0
4100.00	84.	8.0	1.	2.2	8	69	1	4	2	14	10	8
412.00	4.	0.40	.2	2.2	4	59	4	4	2831	20	1138	597
410.00	8.4	.8	10.	2.2	66	4	8	4	28	30	11	8
41.00	.2	0.00	13.41	2.2	2	2	11	4	2	44	12	20
4200.00	3.4	0.00	1.48	2.2	0	0	13	4	301	1	1314	3
422.00	0.28	0.00	20.3	2.2	2	0	1	4	3081	83	133	03
420.00	80.2	0.00	2.	2.2	0	0	22	4	311	112	1432	44
42.00	81.18	0.00	30.8	2.2	75	0	2	4	322	14	140	84
4300.00	81.0	0.00	33.04	2.2	75	0	30	4	3301	18	14	820
432.00	.08	0.00	38.44	2.2	2	0	33	4	333	22	108	84
430.00	.	0.00	43.8	2.2	65	0	38	4	3438	28	1	8
43.00	4.4	0.00	0.8	2.2	56	0	44	4	344	33	12	84
4400.00	41.4	0.00	0.2	2.2	44	0	2	4	338	403	184	840
442.00	3.	0.00	0.21	2.2	38	0	1	4	3	482	1843	799
440.00	3.8	0.00	.2	2.2	3	0	69	4	312	2	102	4
44.00	3.2	0.00	88.22	2.2	34	0	8	4	34	3	11	8
400.00	33.0	0.00	.	2.2	32	0	8	4	38	8	2020	8
42.00	28.88	0.00	8.31	2.2	2	0	0	4	30	02	208	10
40.00	24.8	0.00	8.1	2.2	2	0	1	4	332	1021	213	41
4.00	31.2	0.00	.14	2.2	2	0	0	4	38	1138	21	32
400.00	41.	0.00	.13	2.2	34	0	8	4	32	123	22	244
42.00	2.4	0.00	10.44	2.2	48	0	3	4	3840	134	2314	11
40.00	8.3	0.00	11.42	2.2	69	0	103	4	30	108	232	10

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	EXPANDED FILL/ BORROW	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
4.00	.12	0.00	12.	2.2	66	0	112	4	3	14	2431	2
400.00	32.02	0.00	134.0	2.2	41	0	120	4	401	1810	240	8
42.00	13.82	0.00	13.8	2.2	21	0	12	4	403	13	24	231
40.00	10.	0.00	142.1	2.2	11	0	130	4	4048	2142	208	38
4.00	10.12	0.00	14.2	2.2	10	0	134	4	408	231	2	4
4800.00	.1	0.00	13.	2.2	9	0	13	4	40	24	22	2
482.00	.	0.00	13.	2.2	9	0	142	4	40	282	284	01
480.00	10.3	0.00	12.2	2.2	10	0	142	4	408	28	2843	10
48.00	11.4	0.00	11.2	2.2	10	0	141	4	40	300	202	124
400.00	11.13	0.00	10.3	2.2	10	0	140	4	410	3232	20	1421
42.00	12.44	0.00	14.4	2.2	11	0	13	4	411	3410	301	188
40.00	.0	0.00	13.8	2.33	10	0	132	4	412	382	308	10
4.00	.44	0.00	13.1	2.1	7	0	128	48	4134	348	313	10
0000.00	2.0	0.00	13.	1.88	3	0	12	48	413	312	313	200
002.00	1.24	0.00	131.43	1.1	2	0	124	48	413	403	321	222
000.00	2.88	0.00	122.	1.88	2	0	118	48	4141	422	3308	2380
00.00	4.	0.00	112.3	2.1	3	0	10	48	4144	438	33	21
0100.00	.1	0.00	.0	2.43	4	0	97	48	4148	444	3424	241
012.00	10.1	0.00	1.3	2.1	7	0	8	4	41	4	3482	23
010.00	1.22	0.00	4.2	2.	12	0	55	4	41	4	341	2
01.00	13.3	0.00	31.23	2.4	13	0	3	4	4180	414	300	282
0200.00	8.4	1.33	24.	2.22	10	8	2	48	410	448	38	281
022.00	14.1	1.33	20.04	1.4	10	1	21	48	4200	4	31	284
020.00	1.1	1.2	20.8	1.8	1	1	1	48	421	4800	33	220
02.00	18.3	18.11	1.21	1.84	18	1	1	48	4234	4824	3830	243
0300.00	21.02	20.10	13.0	2.0	18	18	1	48	422	4844	3888	23
032.00	21.	20.81	34.	2.2	20	1	22	48	422	482	34	20
030.00	43.8	3.18	12.8	2.4	30	2	22	4	4302	401	4004	301
03.00	0.33	4.8	10.8	2.2	48	40	11	4	430	41	403	3022
0400.00	82.32	.0	0.4	2.2	66	4	5	4	441	422	4122	301
042.00	10.	83.	0.	2.2	8	69	1	4	403	423	4181	3000
040.00	131.83	103.21	2.88	2.2	110	8	2	4	413	42	4240	2
04.00	1.4	121.8	3.4	2.2	133	104	3	4	44	430	428	24
000.00	1.	13.0	4.23	2.2	1	120	4	4	401	43	43	224
02.00	1.21	0.00	.2	2.2	1	4	5	4	00	441	441	283
00.00	14.	0.00	8.33	2.2	144	0	7	4	204	40	44	200
0.00	12.	0.00	10.2	2.2	12	0	9	4	331	42	434	28
000.00	113.2	0.00	12.1	2.2	112	0	10	4	443	4	42	248
02.00	10.	0.00	12.	2.2	101	0	12	4	44	41	41	2401
00.00	100.01	0.00	13.3	2.2	95	0	12	4	3	00	410	2321
0.00	.	0.00	13.	2.2	1	0	12	4	30	022	4	224
000.00	2.3	0.00	13.	2.2	8	0	13	4	81	03	4828	21
02.00	8.83	0.00	13.82	2.2	83	0	13	4	00	0	488	2110

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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 184	E

FILE NAME NPDSC3D800001SEETS00100XS.DWG
LAYOUT NAME EW1

PLOT DATE /24/202 1211 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN FT OR. / 1 IN2 FT VERT.

WISDOT/CADDS SEET 4

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	EXPANDED FILL/ BORROW	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
00.00	8.	0.00	21.43	2.2	8	0	1	4	8	0	44	203
0.00	.88	0.00	20.42	2.2	4	0	1	4	022	101	004	2033
0800.00	.2	0.00	18.4	2.2	3	0	18	4	0	12	03	2004
082.00	2.3	0.00	1.31	2.2	1	0	1	4	12	14	122	13
080.00	.28	0.00	.	2.2	1	0	10	4	18	18	180	12
08.00	80.	0.00	.0	2.2	4	0	6	4	21	1	23	18
000.00	84.31	0.00	3.38	2.2	77	0	4	4	338	11	28	18
02.00	81.3	0.00	4.11	2.2	77	0	3	4	41	1	3	114
00.00	.	0.00	.01	2.2	75	0	4	4	40	181	41	14
0.00	8.01	0.00	.8	2.2	3	0	5	4	3	18	44	18
1000.00	80.24	0.00	.2	2.2	3	0	6	4	3	1	33	113
102.00	84.22	.0	4.	2.2	76	31	5	4	12	201	2	144
100.00	1.4	3.2	3.22	2.2	82	65	4	4	4	20	1	143
10.00	.8	.	1.2	2.2	88	0	2	4	882	20	10	144
1100.00	.0	8.3	0	2.2	1	2	1	4	3	210	8	142
112.00	.83	4.4	1.2	2.2	77	2	1	4	00	212	82	141
110.00	8.4	.3	3.0	2.2	3	1	2	4	113	214	88	140
11.00	1.	8.2	4.3	2.2	65	3	4	4	18	220	4	1400
1200.00	108.12	8.42	0	2.2	83	67	2	4	21	222	004	138
122.00	12.	.	0	2.2	10	8	0	4	30	222	02	133
120.00	13.8	10.1	0	2.2	123	97	0	4	43	222	121	133
12.00	13.8	11.82	0.34	2.2	13	10	0	4	2	222	180	130
1300.00	131.88	103.24	3.1	2.2	132	103	2	4	1	22	23	1281
132.00	121.4	.38	.1	2.2	11	2	5	4	88	231	28	122
130.00	113.01	8.0	8.4	2.2	10	8	10	4	8	244	3	121
13.00	104.1	82.4	8.38	2.3	101	79	10	4	8088	2	41	1242
1400.00	.	.	8.3	2.1	4	4	8	4	8182	28	44	1233
142.00	10.02	83.8	.2	1.4	4	75	6	4	82	2	33	1221
140.00	120.02	4.3	3.8	1.8	10	82	4	4	8381	281	2	1204
14.00	14.03	113.8	2.2	1.82	123	96	3	4	804	28	0	1181
100.00	10.	14.3	0.	2.0	1	121	1	4	80	28	0	114
12.00	221.48	10.44	3.01	2.3	11	14	2	4	881	288	8	110
10.00	22.0	1.14	0	2.4	20	10	1	4	00	20	82	108
1800.00	202.3	1.10	0	2.8	320	24	0	8	380	20	21	8
SECTION SUBTOTAL									380	20	21	8

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
182.00	22.	13.1	0	2.8	211	12	0	4	1	20	80	3
180.00	28.83	20.	0	2.8	241	18	0	4	832	20	03	880
18.00	20.	222.28	0	2.8	2	18	0	4	1001	20	0	81
100.00	311.	238.30	0	2.8	2	213	0	4	1030	20	1	3
12.00	304.8	233.00	0	2.8	28	218	0	4	10	20	21	8
10.00	23.4	224.4	0	2.8	2	212	0	4	1033	20	24	20
1.00	28.22	221.2	0	2.8	20	20	0	4	11203	20	333	-556
2000.00	28.3	220.13	0	2.8	2	204	0	4	1140	20	31	43
202.00	24.38	11.3	0.1	2.8	24	11	0	4	111	20	40	43
200.00	220.41	1.4	1.32	2.8	21	1	1	4	113	21	0	38
20.00	20.0	18.13	8.21	2.8	1	12	4	4	12133	2	8	34
2100.00	1.11	12.1	1.43	2.8	18	144	11	4	1231	311	2	31
212.00	1.13	128.18	1.	2.8	18	130	1	4	1248	331	8	302
210.00	128.	101.0	18.83	2.	13	10	1	4	1223	33	44	24
21.00	10.21	83.24	20.2	2.38	108	8	18	4	1231	3	803	24
2200.00	1.	8.10	28.2	2	82	65	23	48	12813	40	81	30
222.00	3.4	44.4	2.	1.	8	4	2	48	1281	442	18	331
220.00	40.1	34.	28.	1.4	44	3	2	48	121	4	7,976	3
22.00	0.2	1.33	42.0	2.32	1	24	33	48	1234	20	8033	40
2300.00	0	1.33	8.3	2.2	0	1	4	4	1234	81	802	484
232.00	0	1.33	0.08	2.2	0	1	55	4	1234	2	811	2
230.00	0	1.33	3.8	2.2	0	1	57	4	1234	2	8210	2
23.00	0	1.33	.03	2.2	0	1	0	4	1234	80	82	-756
2400.00	0	1.33	2.	2.2	0	1	4	4	1234	888	832	8
242.00	0	1.33	80.0	2.2	0	1	1	4	1234	80	838	3
240.00	0	1.33	8.3	2.2	0	1	83	4	1234	088	844	108
24.00	0	1.33	108.1	2.2	0	1	96	4	1234	213	804	1228
200.00	0	1.33	123.1	2.2	0	1	10	4	1234	32	83	1383
22.00	0	1.33	1.2	2.2	0	1	13	4	1234	33	821	180
20.00	2.	1.33	12.8	2.2	1	1	141	4	123	1	880	18
2.00	.44	1.33	122.23	2.2	4	1	11	4	123	8	83	140
200.00	.02	1.33	121.48	2.2	6	1	113	4	124	012	88	20
22.00	8.	1.33	11.08	2.2	7	1	110	4	122	1	88	224
20.00	.21	1.33	11.4	2.2	7	1	108	4	12	2	81	238
2.00	.84	1.33	103.2	2.2	7	1	102	4	12	428	84	240

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
200.00	12.	1.33	8.42	2.1	10	1	8	4	12	44	033	21
22.00	1.2	1.33	80.8	2.1	13	1	79	4	128	4	02	2
20.00	1.1	1.33	.1	1.	1	1	4	4	13004	43	11	284
2.00	8.3	1.33	2.3	1.4	11	1	0	4	1301	834	20	20
2800.00	.	1.33	.8	1.	7	1	0	4	13022	12	28	304
282.00	.22	1.33	4.1	1.	6	1	48	4	13028	4	32	3120
280.00	43.11	3.	3.0	1.8	23	2	3	48	1301	802	38	312
28.00	4.	40.30	41.18	2	42	3	3	48	1303	802	442	3213
200.00	0.8	42.4	43.82	2.3	4	38	3	48	1313	8122	00	32
22.00	.8	4.24	42.	2.2	4	41	40	4	13188	814	9,559	3300
20.00	.3	48.81	3.11	2.2	3	44	38	4	13241	8224	1	3340
2.00	1.24	.	33.8	2.2	0	4	34	4	13301	828	9,676	333
3000.00	1	2.8	24.	2.2	75	0	2	4	133	8303	3	333
302.00	10.	84.40	2.44	2.2	2	3	24	4	1348	8334	4	340
300.00	121.2	.2	2.	2.2	10	83	2	4	134	83	83	341
30.00	13.1	10.2	1.22	2.43	120	4	1	4	134	832	11	3414
3100.00	.8	.	12.0	0	10	8	13	24	13803	8408	40	340
312.00	57	4.08	.18	0	1	57	6	0	1384	841	40	3401
310.00	4.	41.80	0.8	0	0	41	3	0	1324	8420	40	33
31.00	0.38	42.12	0	0	4	3	0	0	130	8420	40	3388
3200.00	.84	1.33	0.0	0	2	28	0	0	13	8420	40	330
322.00	.2	1.33	0	0	6	1	0	0	14002	8420	40	3400
320.00	.18	1.33	0	0	5	1	0	0	1400	8420	40	3411
32.00	3.83	1.33	0	0	4	1	0	0	14011	8420	40	3423
3300.00	2.82	1.33	0.08	0	3	1	0	0	14014	8420	40	343
332.00	2.8	1.33	0.1	0	3	1	0	0	1401	8420	40	344
330.00	2.8	1.33	0.12	0	3	1	0	0	14020	8420	40	342
33.00	0	1.33	0	0.00	0	13	0	0	14020	8420	40	34

SECTION SUBTOTAL	440	3130	301	240
SUBTOTAL	14020	8420	40	34

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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 186	E

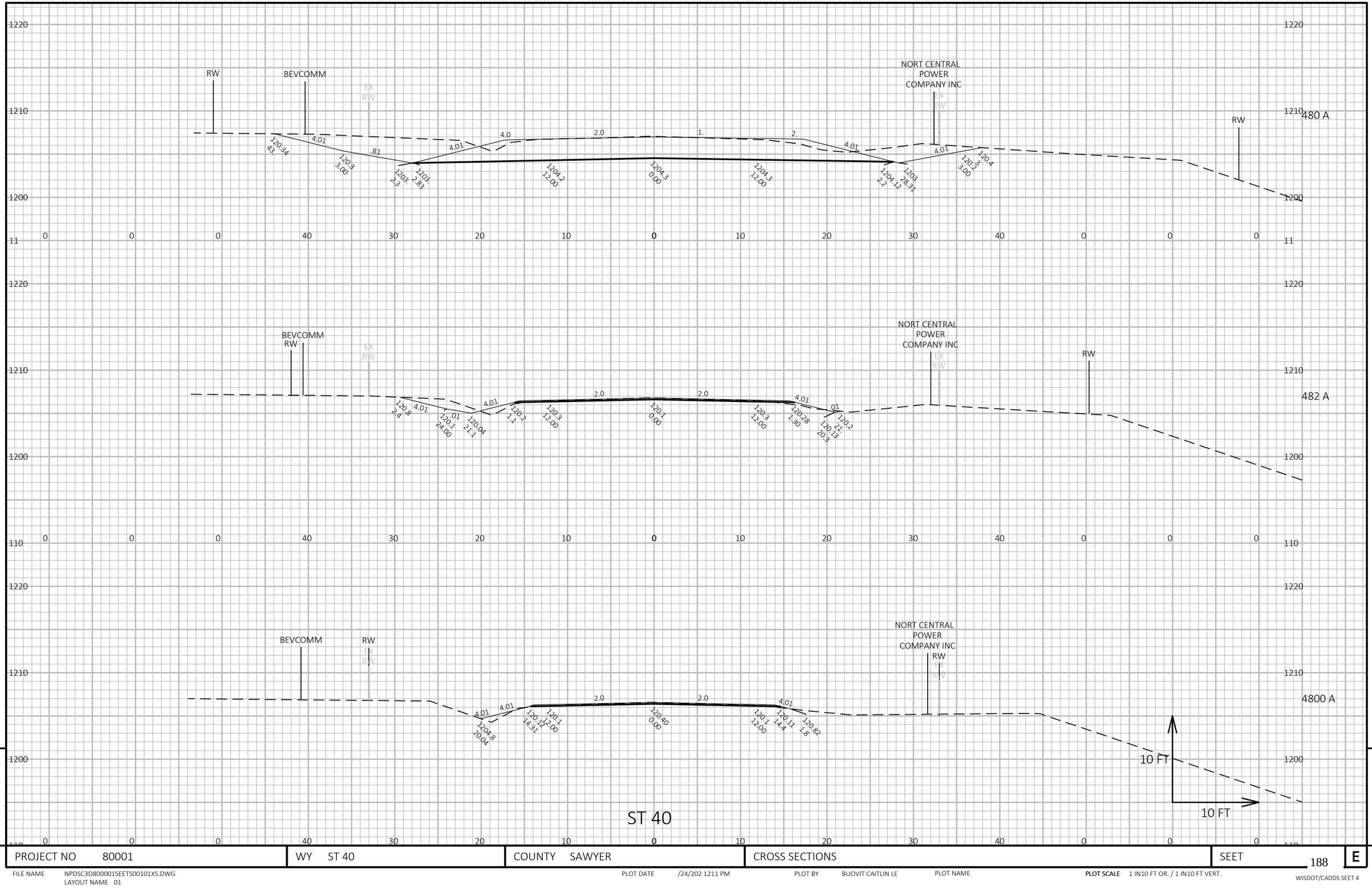
FILE NAME NPDSC3D800001SEETS00100XS.DWG
LAYOUT NAME EW3

PLOT DATE /24/202 1211 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN FT OR. / 1 IN2 FT VERT.

WISDOT/CADDS SEET 4

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
DWY 481	0		0									
040	12.3	12.3	3.38	0	2	5	1	0	2	1	0	4
00	1.2	1.2	3.8	0	6	6	1	0	8	3	0	-6
00	4.14	4.14	0.1	0	12	12	1	0	20	4	0	-7
00	38.3	38.3	0.13	0	1	1	0	0	3	4	0	-7
080	33.8	33.80	1.	0	13	13	4	0	4	9	0	12
00	24.24	24.24	.1	0	11	11	1	0	0	2	0	32
100	11.81	11.81	128.08	0	7	7	3	0	67	4	0	-77
110	0.1	0.1	12.	0	2	2	4	0	69	13	0	138
120	2.8	2.80	12.11	0	1	1	4	0	0	1	0	1
130	2.	2.0	144.24	0	1	1	0	0	1	21	0	24
140	0	0.00	13.4	0	1	1	57	0	2	33	0	338
10	0	0.00	183.8	0	0	0	4	0	2	41	0	422
10	0	0.00	211.3	0	0	0	3	0	2	14	0	1
10	0	0.00	23.3	0	0	0	83	0	2	21	0	24
180	0	0.00	2.2	0	0	0	3	0	2	42	0	4
10	0		24.3	0	0	0	100	0	2	82	0	8
DWY 02	0		0									
000	0	0.00	0	0	0	0	0	0	0	0	0	0
010	0	0.00	13.	0	0	0	3	0	0	4	0	4
020	0	0.00	24.01	0	0	0	7	0	0	13	0	13
030	0	0.00	34.1	0	0	0	11	0	0	2	0	2
040	0	0.00	43.1	0	0	0	14	0	0	4	0	4
00	0	0.00	4.	0	0	0	1	0	0	8	0	8
00	0	0.00	.22	0	0	0	21	0	0	95	0	-95
00	0	0.00	0	0	0	0	12	0	0	111	0	111
DWY 0	0		0									
00	.0	.0	0	0	8	1	0	0	8	0	0	-9
00	28.2	28.2	0	0	7	7	0	0	1	0	0	-9
00	3.0	3.0	1	0	12	12	0	0	2	0	0	-9
080	2.2	2.2	.03	0	11	11	1	0	38	1	0	10
00	9	.00	28.4	0	6	6	7	0	44	10	0	1
100	0.8	0.80	8.0	0	2	2	1	0	4	31	0	40
110	0	0.00	102.8	0	0	0	30	0	4	0	0	-79
120	0	0.00	114.32	0	0	0	40	0	4	122	0	131
130	0	0.00	11.	0	0	0	43	0	4	18	0	18
140	0	0.00	11.3	0	0	0	44	0	4	23	0	244
10	0	0.00	11.28	0	0	0	43	0	4	21	0	300
10	0	0.00	112.2	0	0	0	42	0	4	34	0	3
10	0	0.00	11.2	0	0	0	42	0	4	400	0	40
180	0	0.00	12.1	0	0	0	4	0	4	40	0	48
					SECTION SUBTOTAL				118	1443	0	132

STATION	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL/ BORROW	SELECT BORROW	CUT 1.00	EXPANDED FILL/ BORROW 1.30	SELECT BORROW 1.20	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 8
DWY 0	0		0									
000	0	0.00	0	0	0	0	0	0	0	0	0	0
010	1.2	1.2	1.3	0	3	3	0	0	3	0	0	0
020	2.8	2.8	0	0	8	8	0	0	11	0	0	0
030	3.4	3.4	0	0	1	1	0	0	30	0	0	0
040	4.4	4.4	3.4	0	22	22	0	0	2	0	0	0
00	2.4	2.4	20.8	0	13	13	5	0	65	7	0	-7
00	8.14	8.14	43.2	0	6	6	12	0	1	22	0	22
00	0	0.00	3.	0	2	2	22	0	3	1	0	1
080	0	0.00	.3	0	0	0	28	0	3	8	0	8
00	0	0.00	.3	0	0	0	2	0	3	12	0	12
100	0	0.00	8.42	0	0	0	31	0	3	1	0	1
110	0	0.00	.41	0	0	0	34	0	3	20	0	20
120	0	0.00	113.	0	0	0	3	0	3	20	0	20
130	0	0.00	12.22	0	0	0	4	0	3	31	0	31
140	0	0.00	142.4	0	0	0	0	0	3	384	0	384
143.33	0	0.00	143.4	0	0	0	18	0	3	40	0	40
DWY 1280	0		0									
040	0.4	0.4	0	0	0	0	0	0	0	0	0	0
00	2.3	2.3	0	0	6	11	0	0	6	0	0	-5
00	10.4	10.4	0	0	7	7	0	0	13	0	0	-5
03.8	4.1	4.1	0	0	1	1	0	0	14	0	0	-5
					SECTION SUBTOTAL				8	40	0	320
					SUBTOTAL				20	180	0	14



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 188	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 01

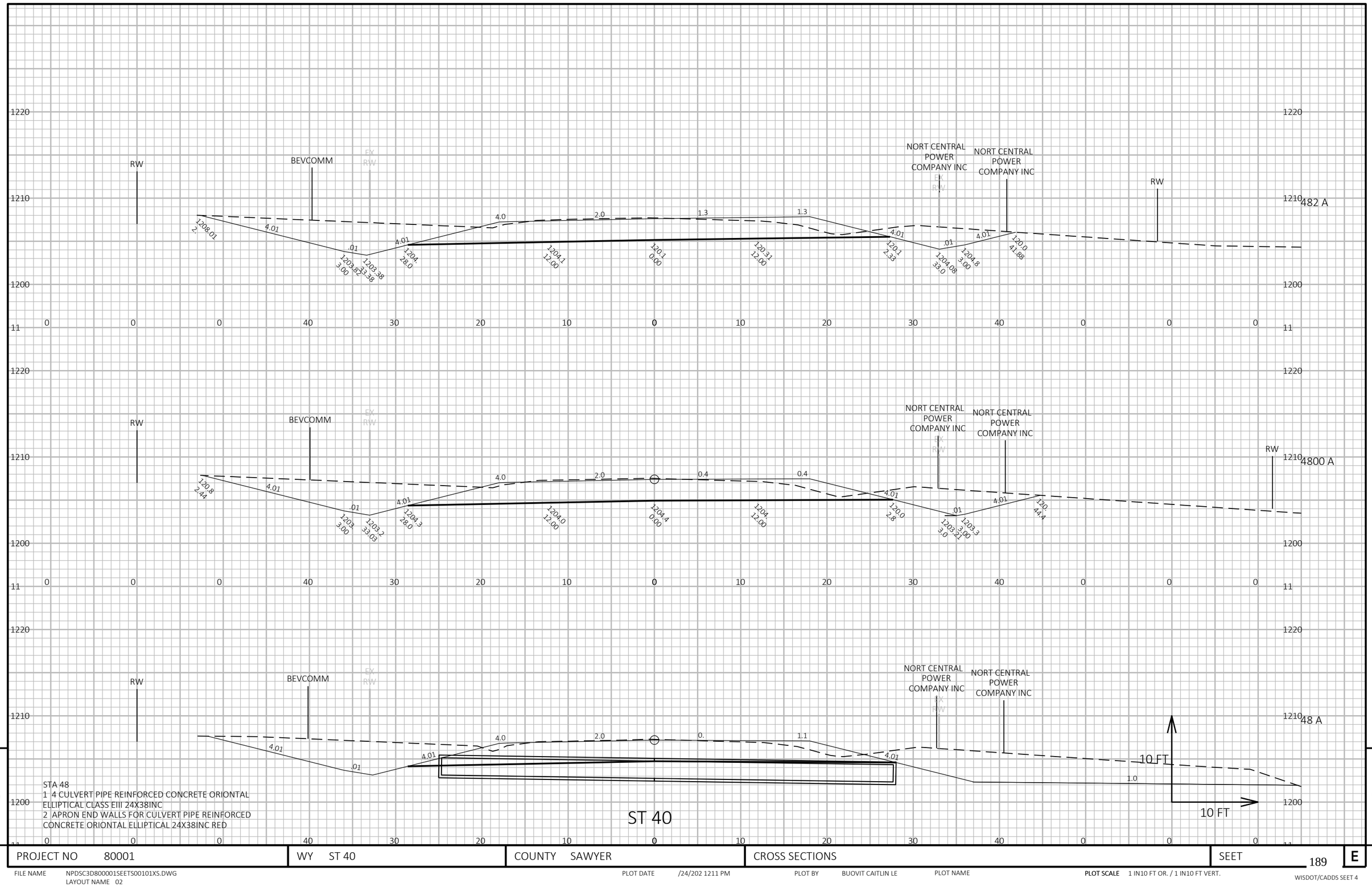
PLOT DATE /24/202 1211 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

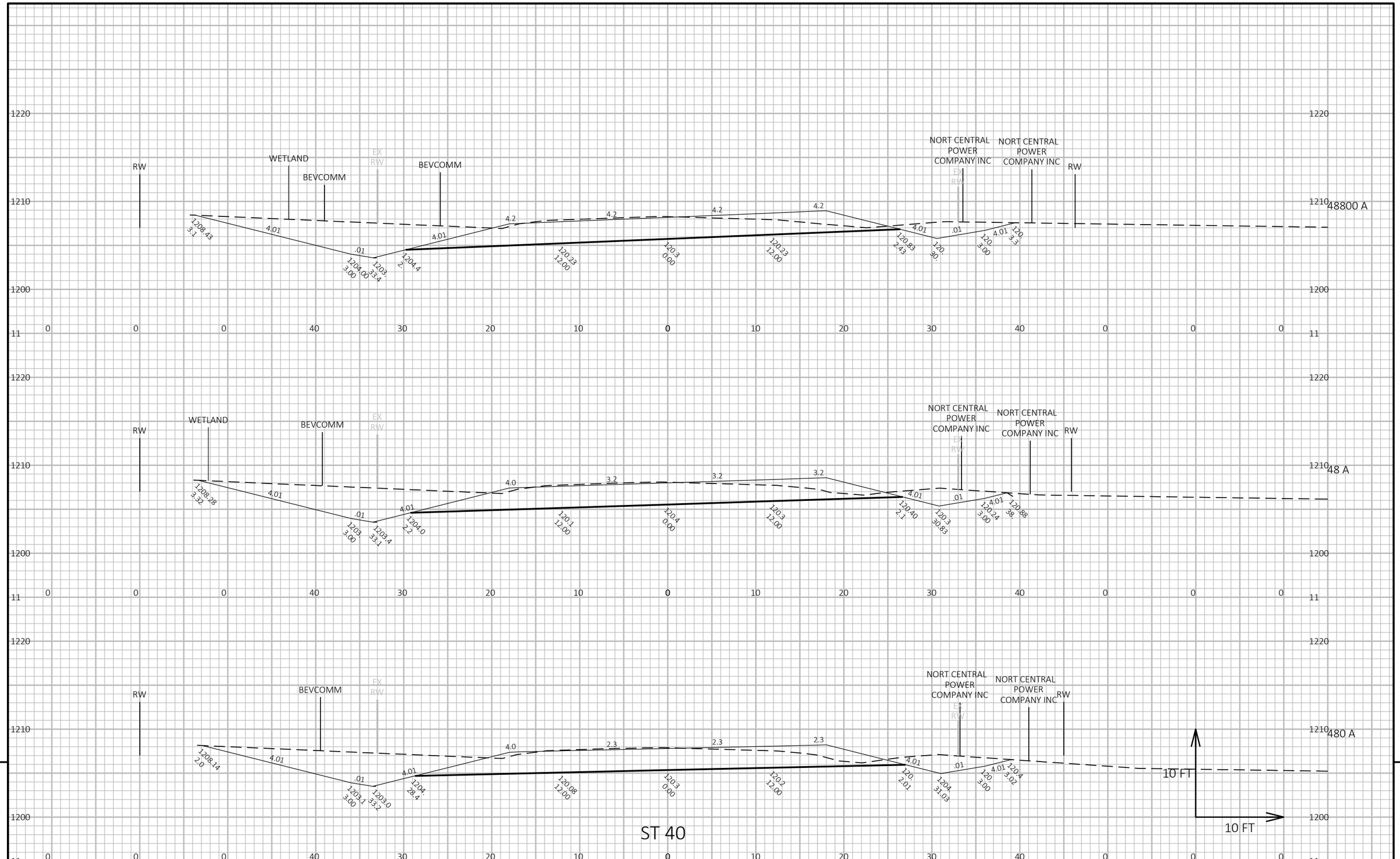
WISDOT/CADDS SEET 4



STA 48
1 4 CULVERT PIPE REINFORCED CONCRETE ORIONTAL ELLIPTICAL CLASS EIII 24X38INC
2 APRON END WALLS FOR CULVERT PIPE REINFORCED CONCRETE ORIONTAL ELLIPTICAL 24X38INC RED

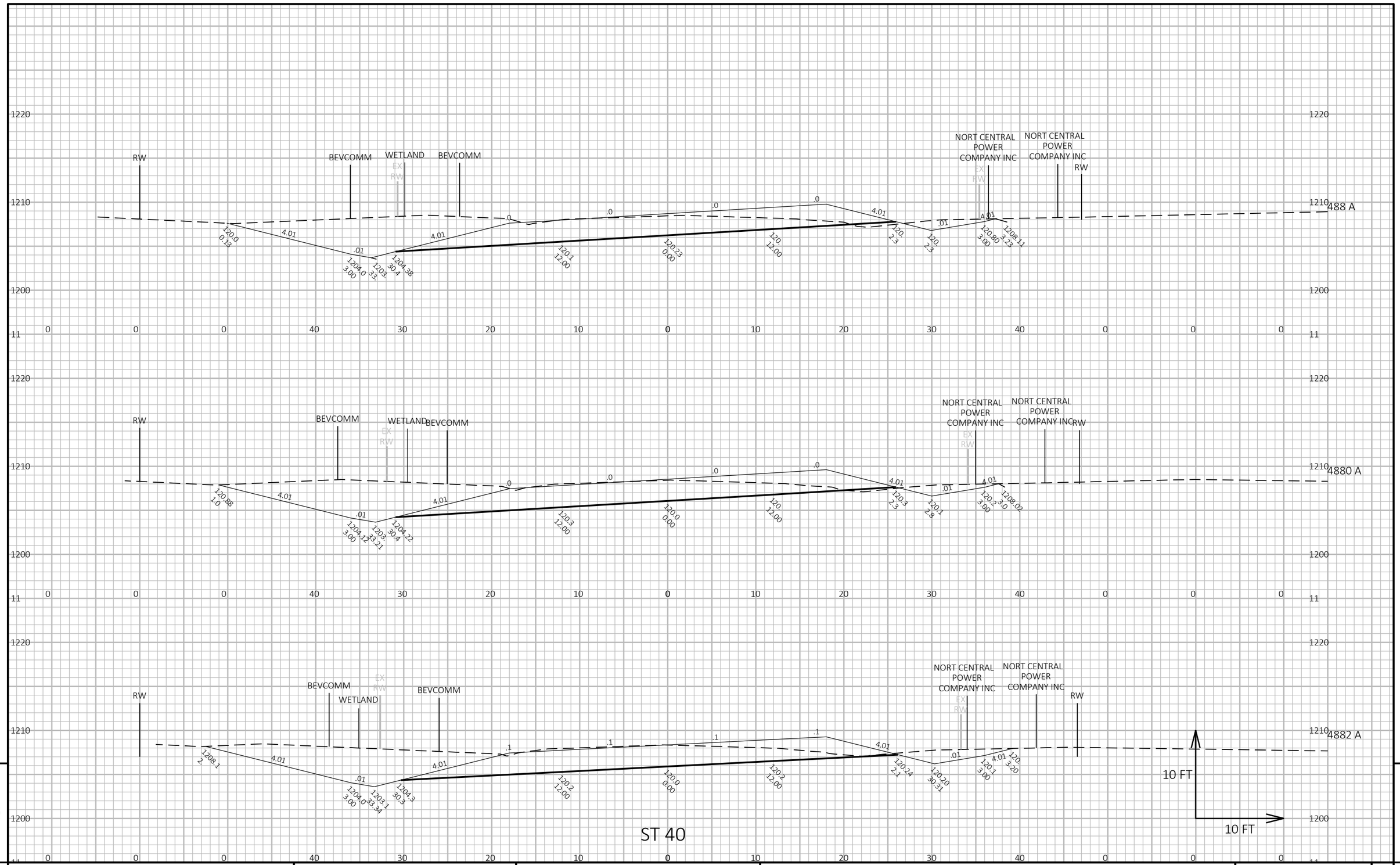
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 189	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 02
PLOT DATE /24/202 1211 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 190	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 03
PLOT DATE /24/202 1211 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 191	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 04

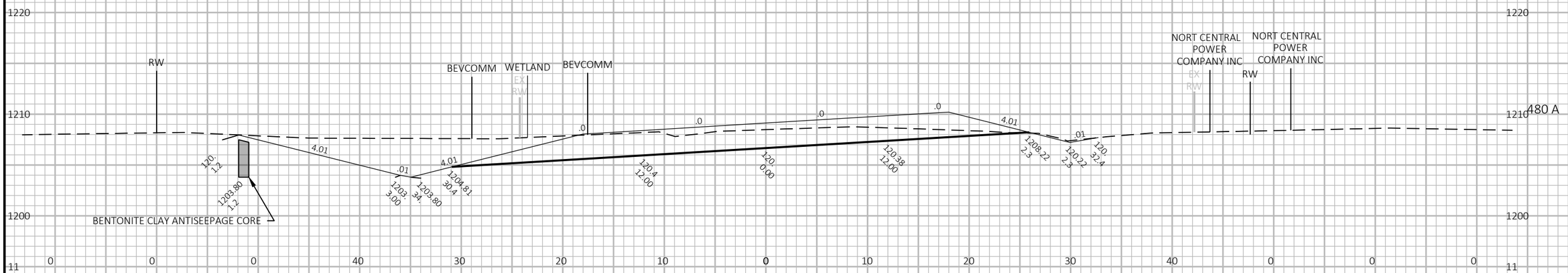
PLOT DATE /24/202 1211 PM

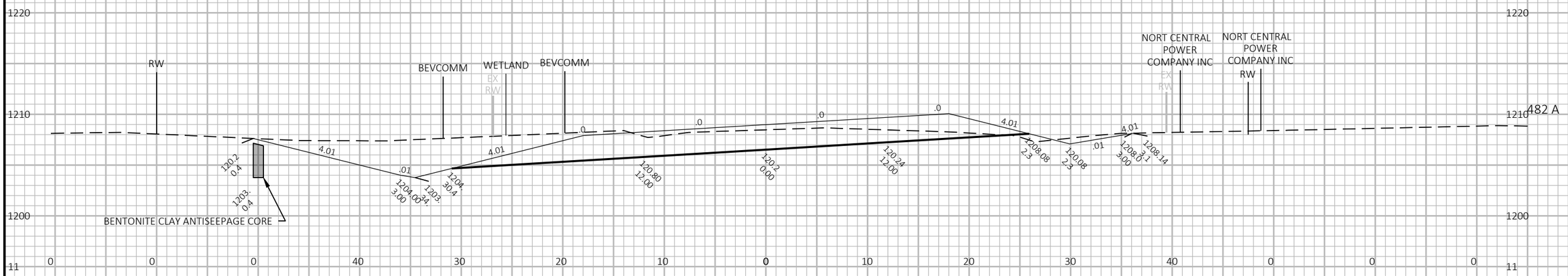
PLOT BY BUOVIT CAITLIN LE

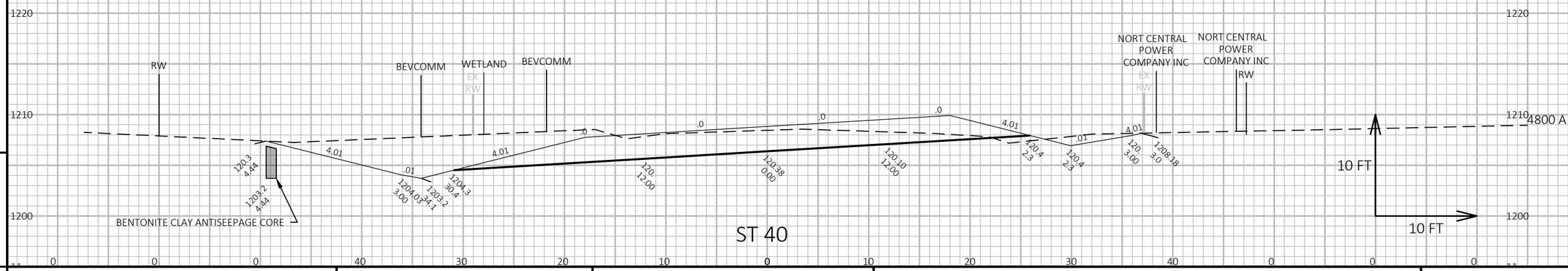
PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4







ST 40

9

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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 192	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

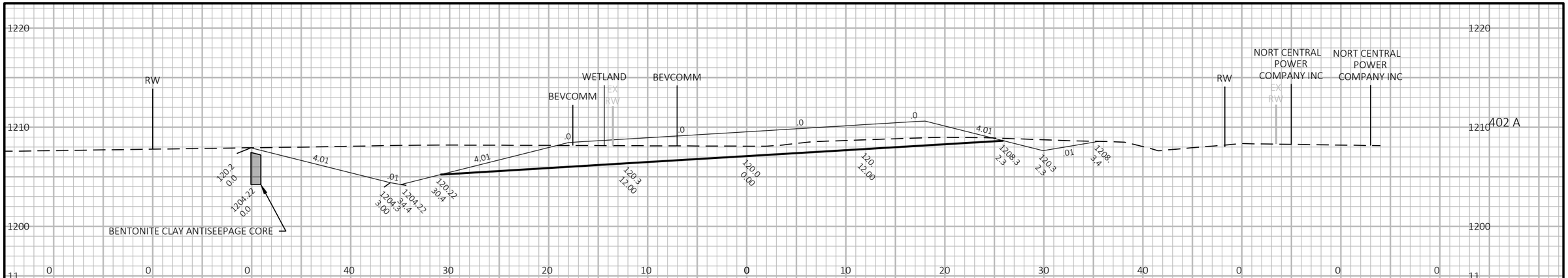
PLOT DATE /24/202 1211 PM

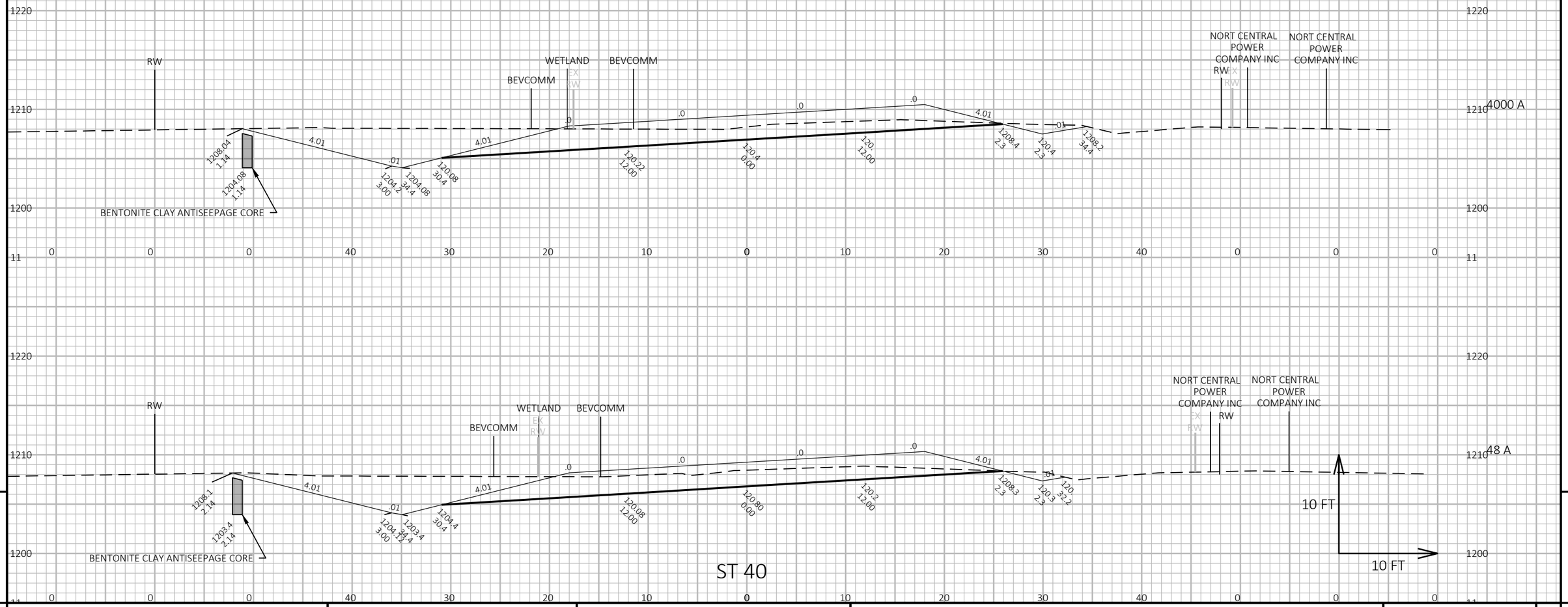
PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4





ST 40

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 193	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

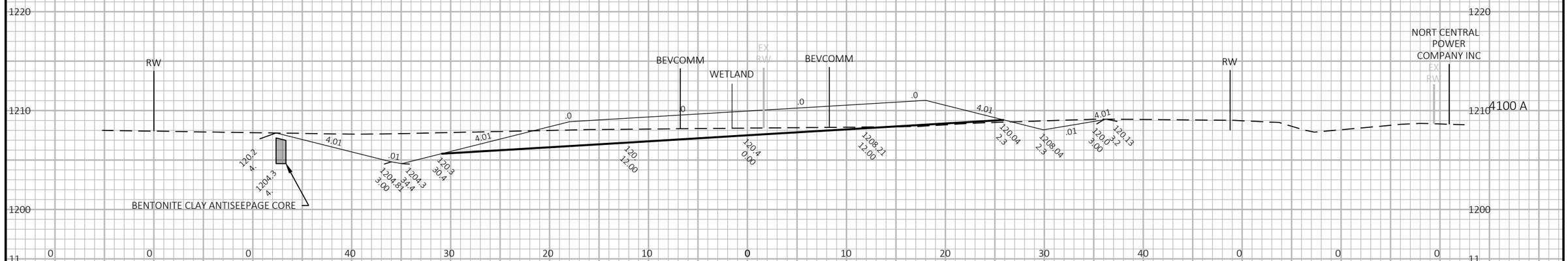
PLOT DATE /24/202 1212 PM

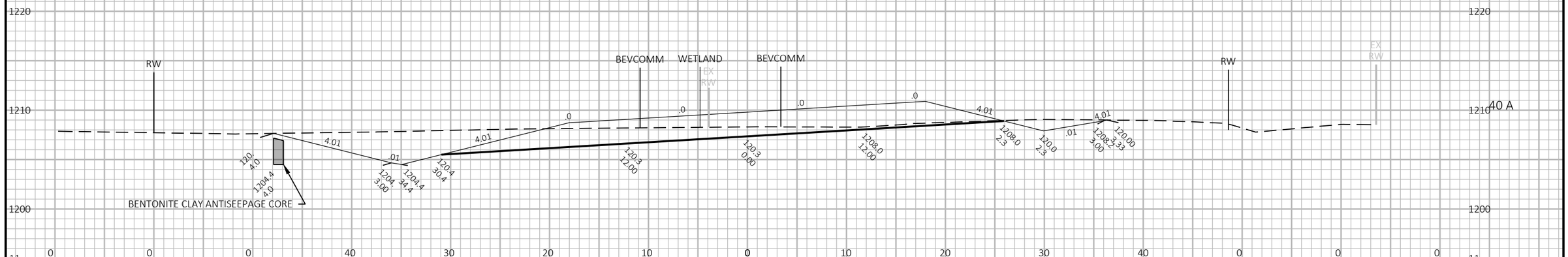
PLOT BY BUOVIT CAITLIN LE

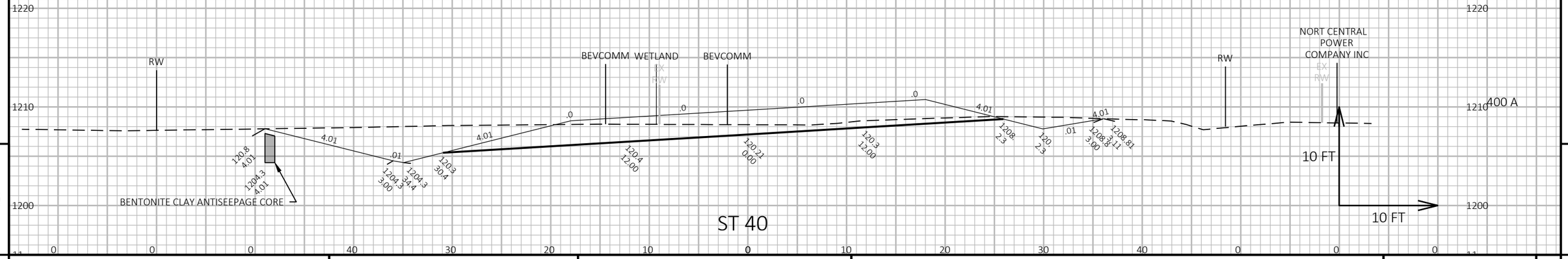
PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4







9

ST 40

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 194	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

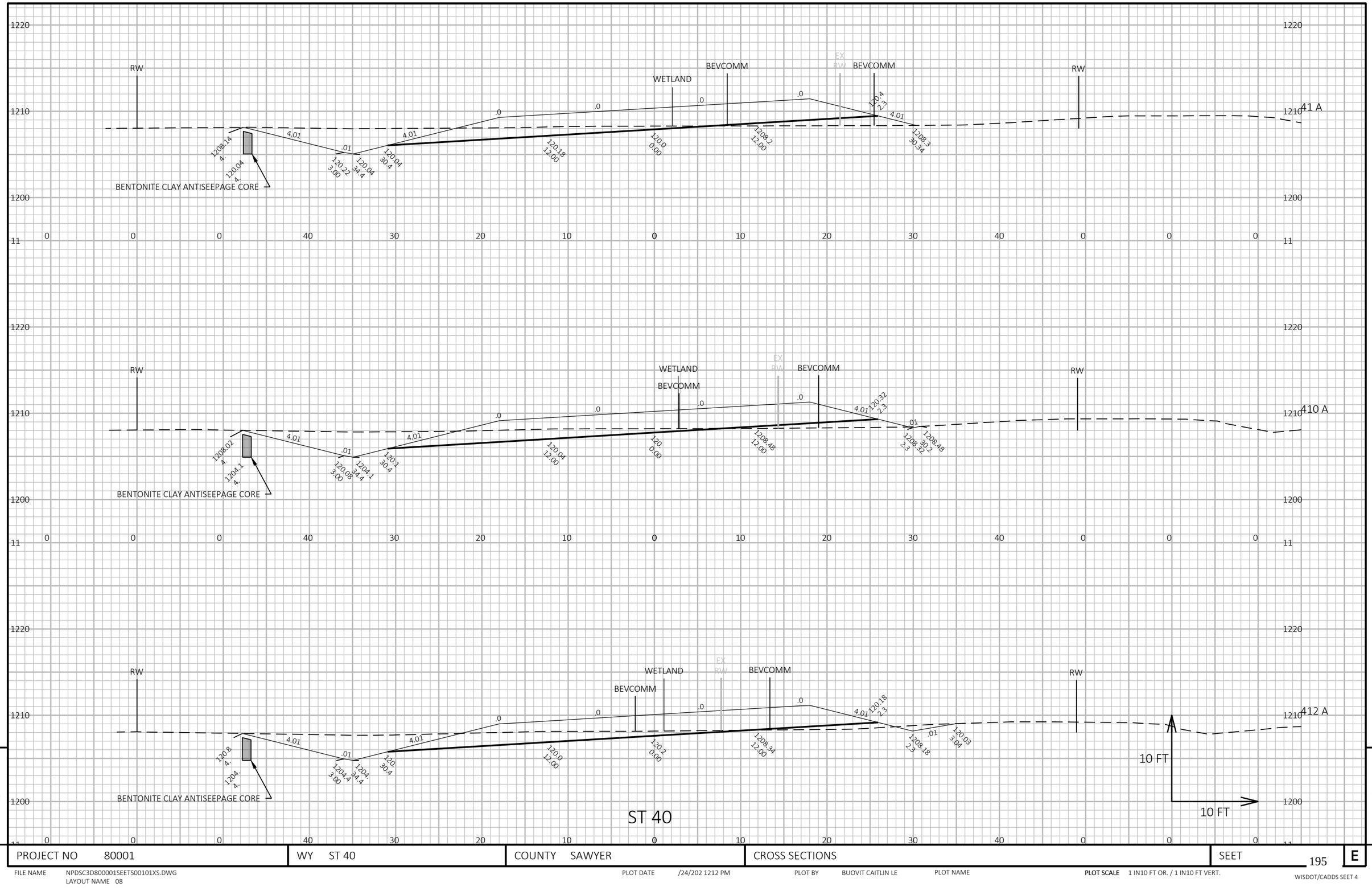
PLOT DATE /24/202 1212 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

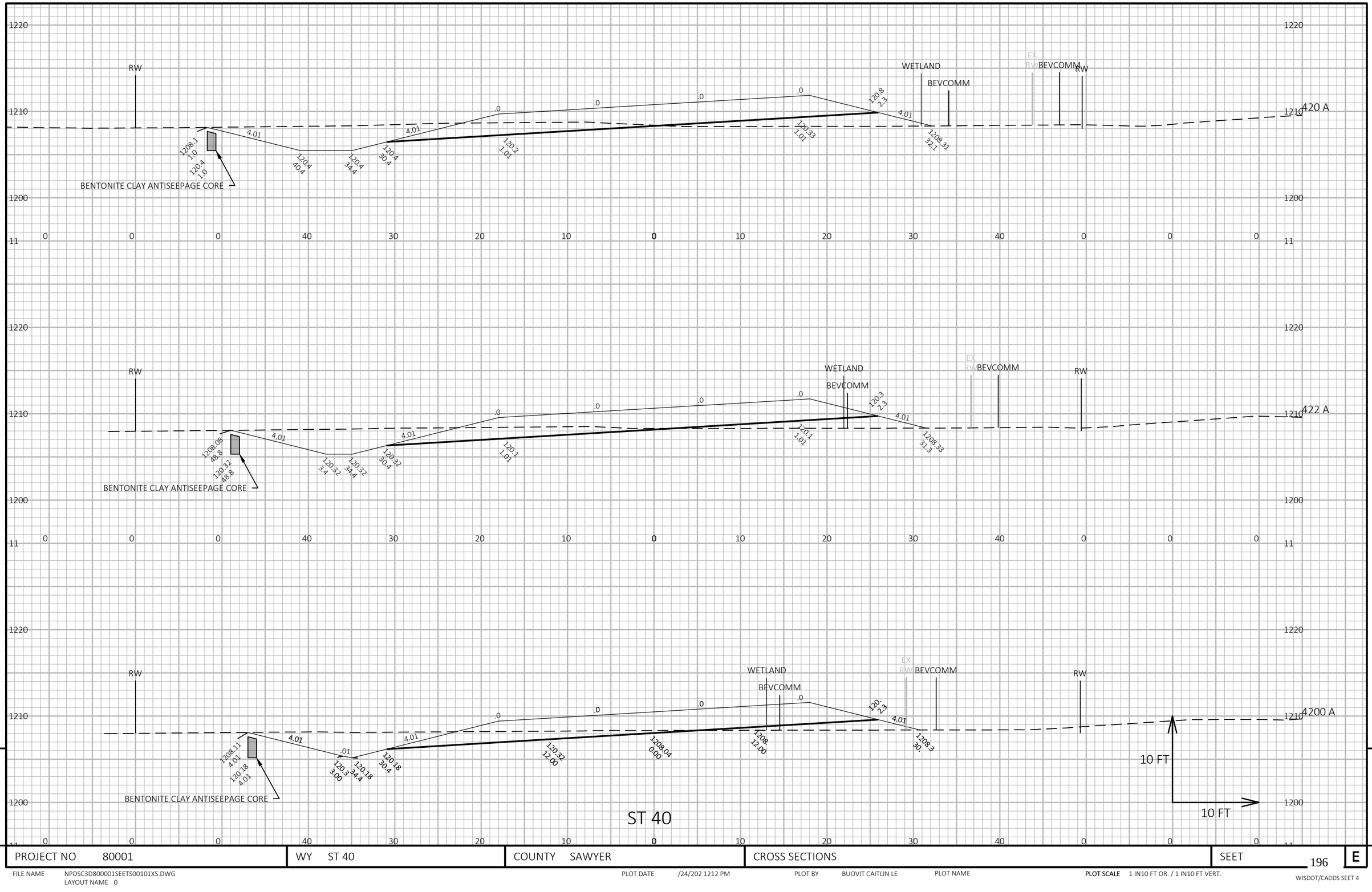
9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 195	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 08

PLOT DATE /24/202 1212 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 196	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

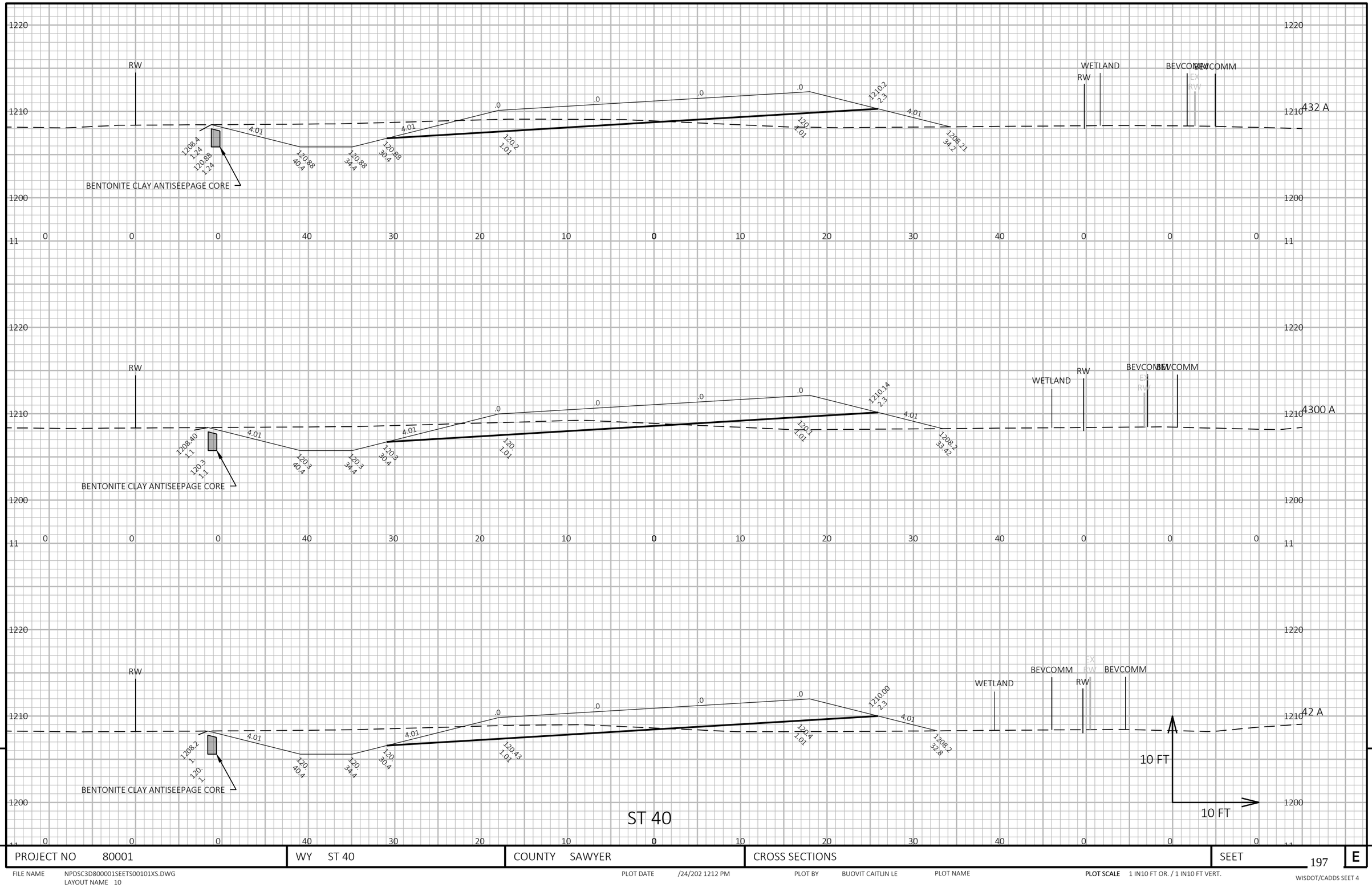
PLOT DATE /24/202 1212 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

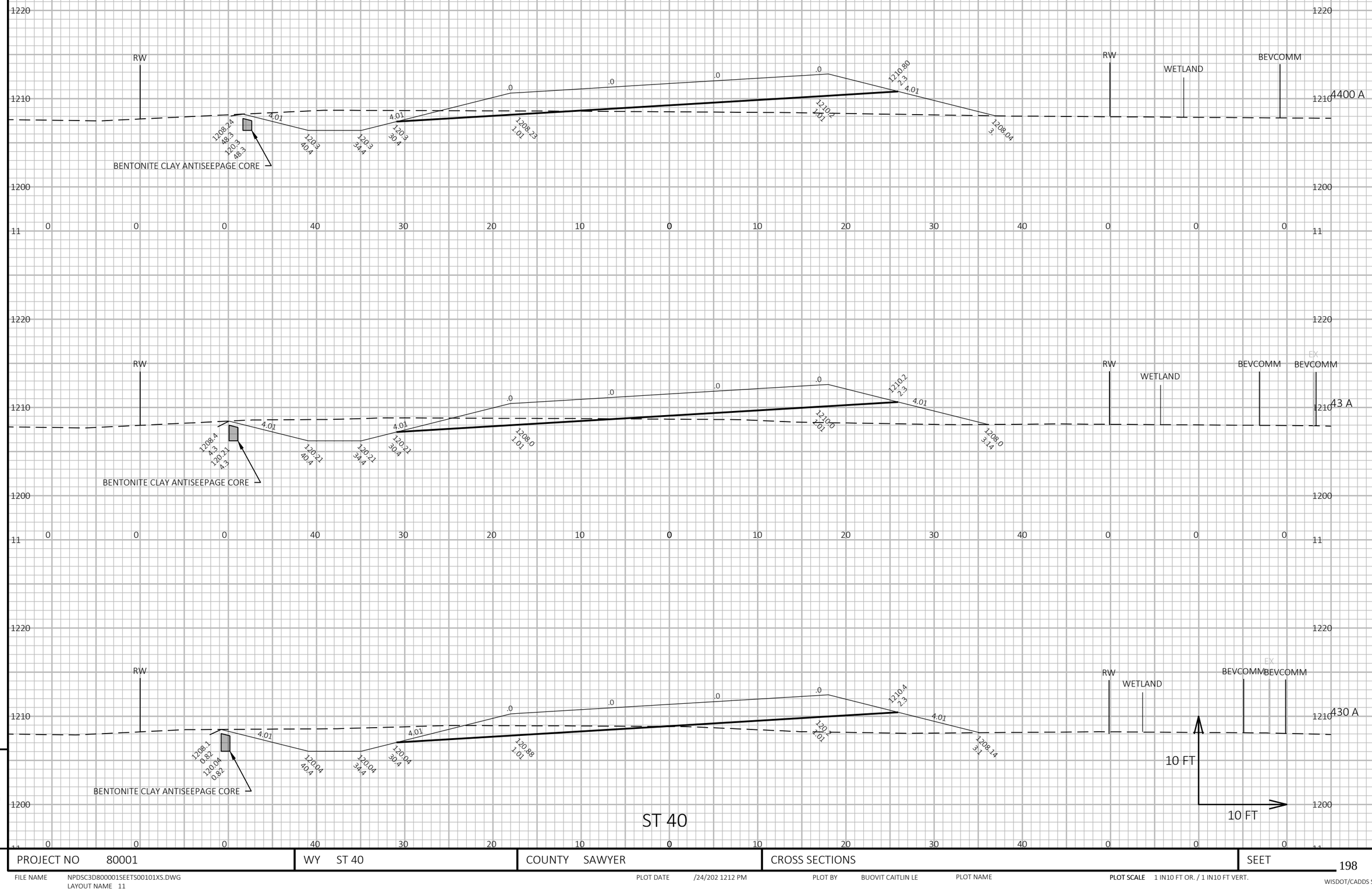


PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 197 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 10

PLOT DATE /24/202 1212 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

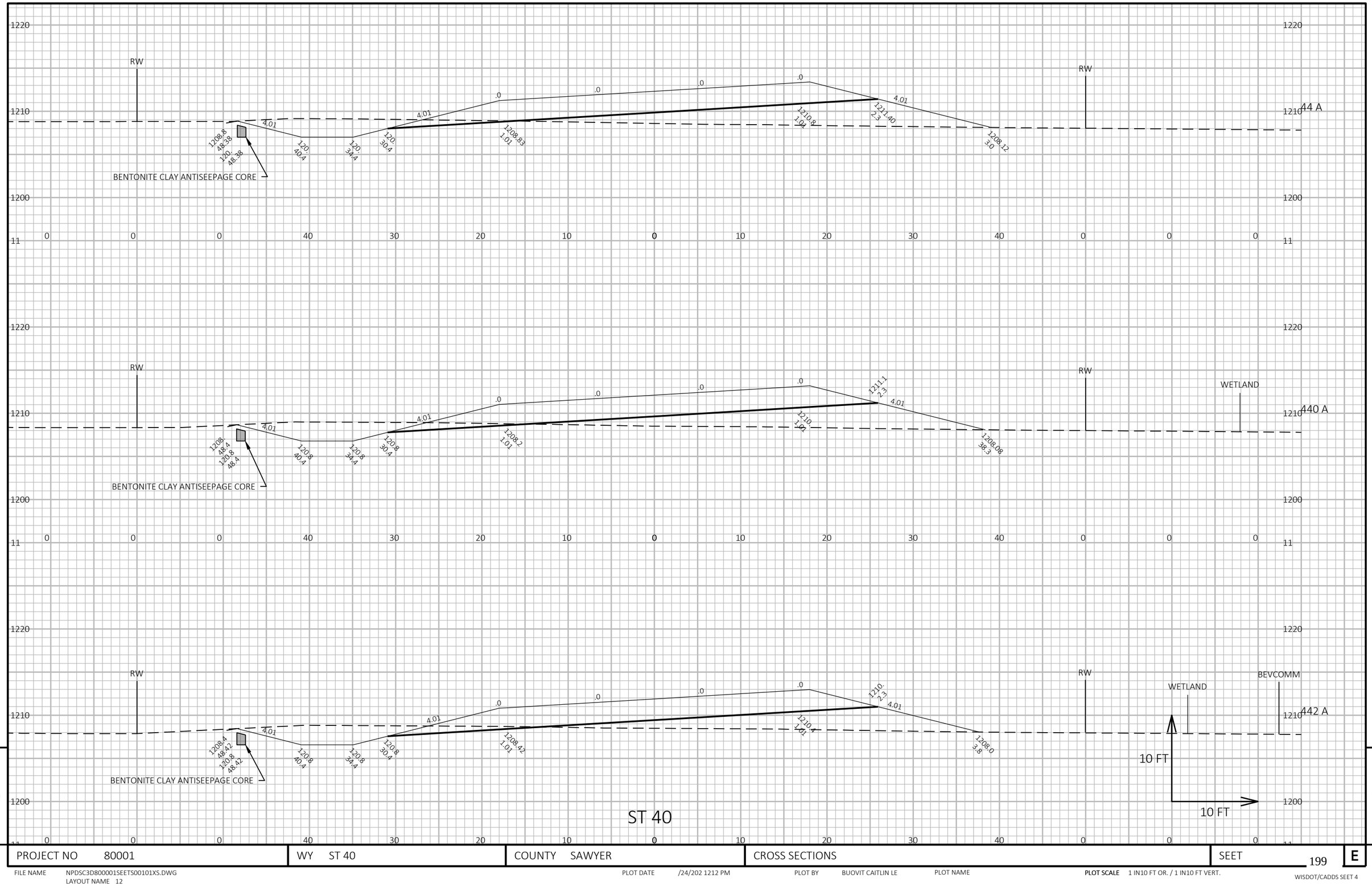


PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 198 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 11

PLOT DATE /24/202 1212 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



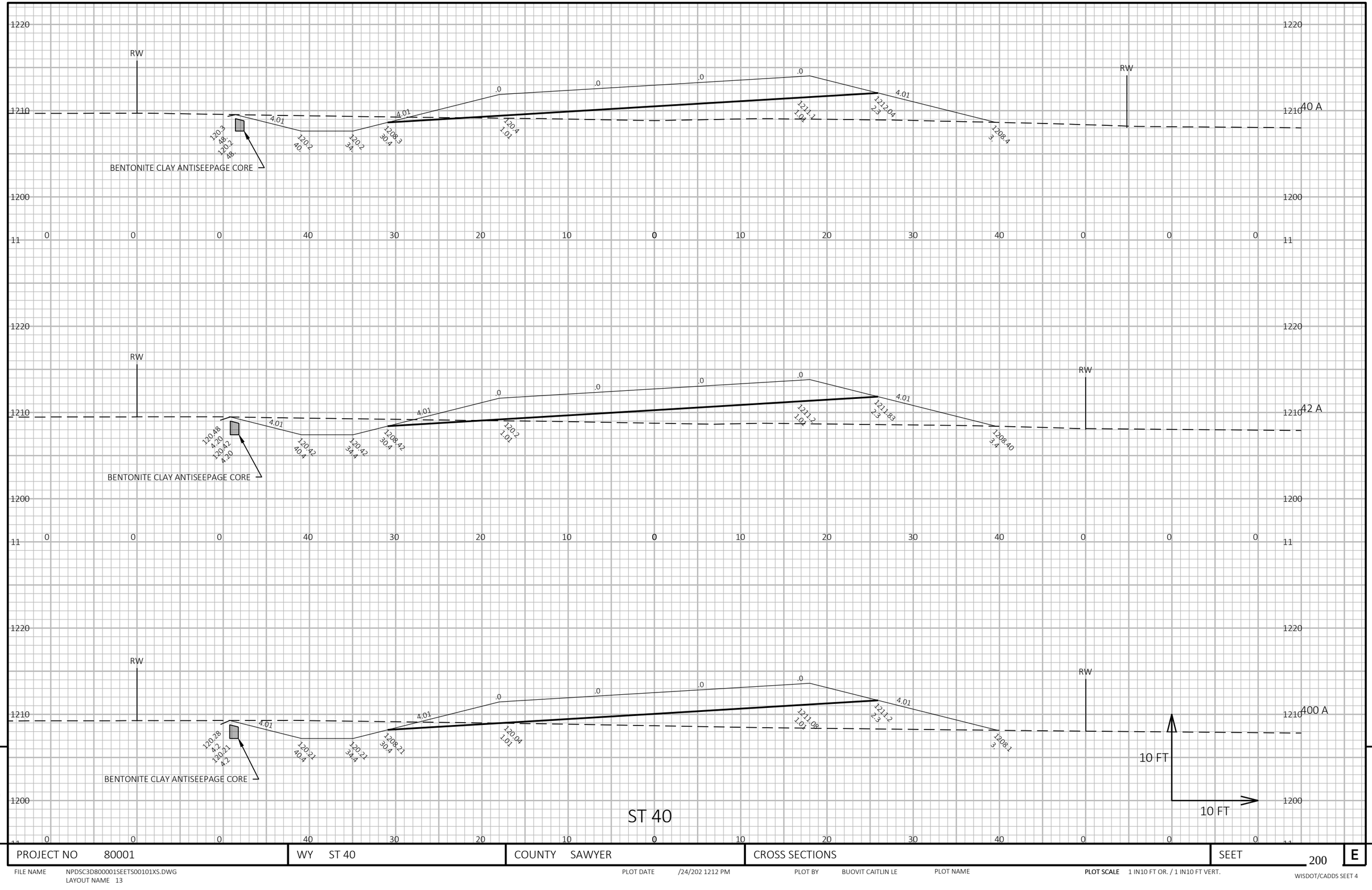
ST 40

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 199	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 12

PLOT DATE /24/202 1212 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

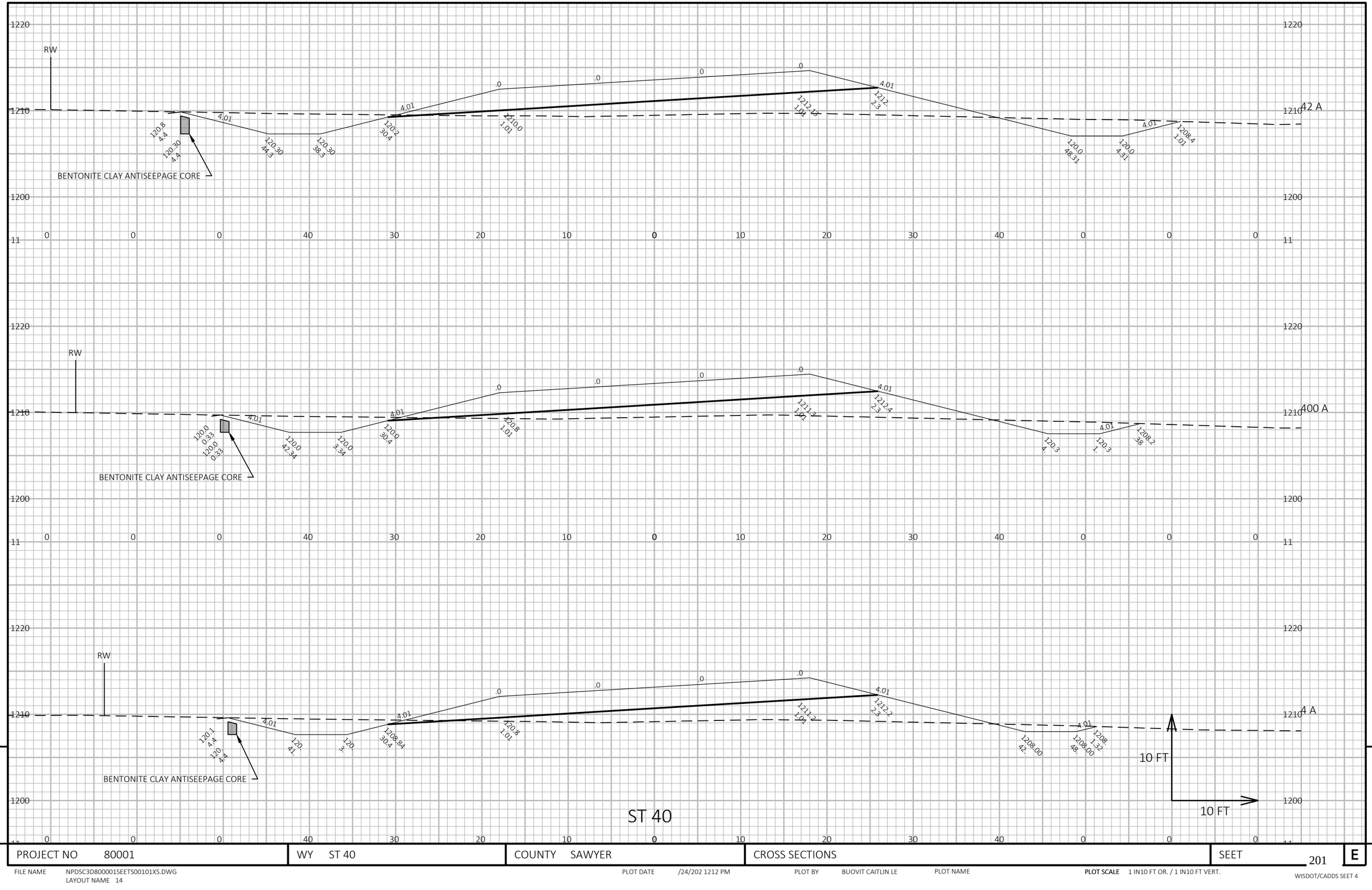
WISDOT/CADDS SEET 4



ST 40

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 200	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 13
PLOT DATE /24/202 1212 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4

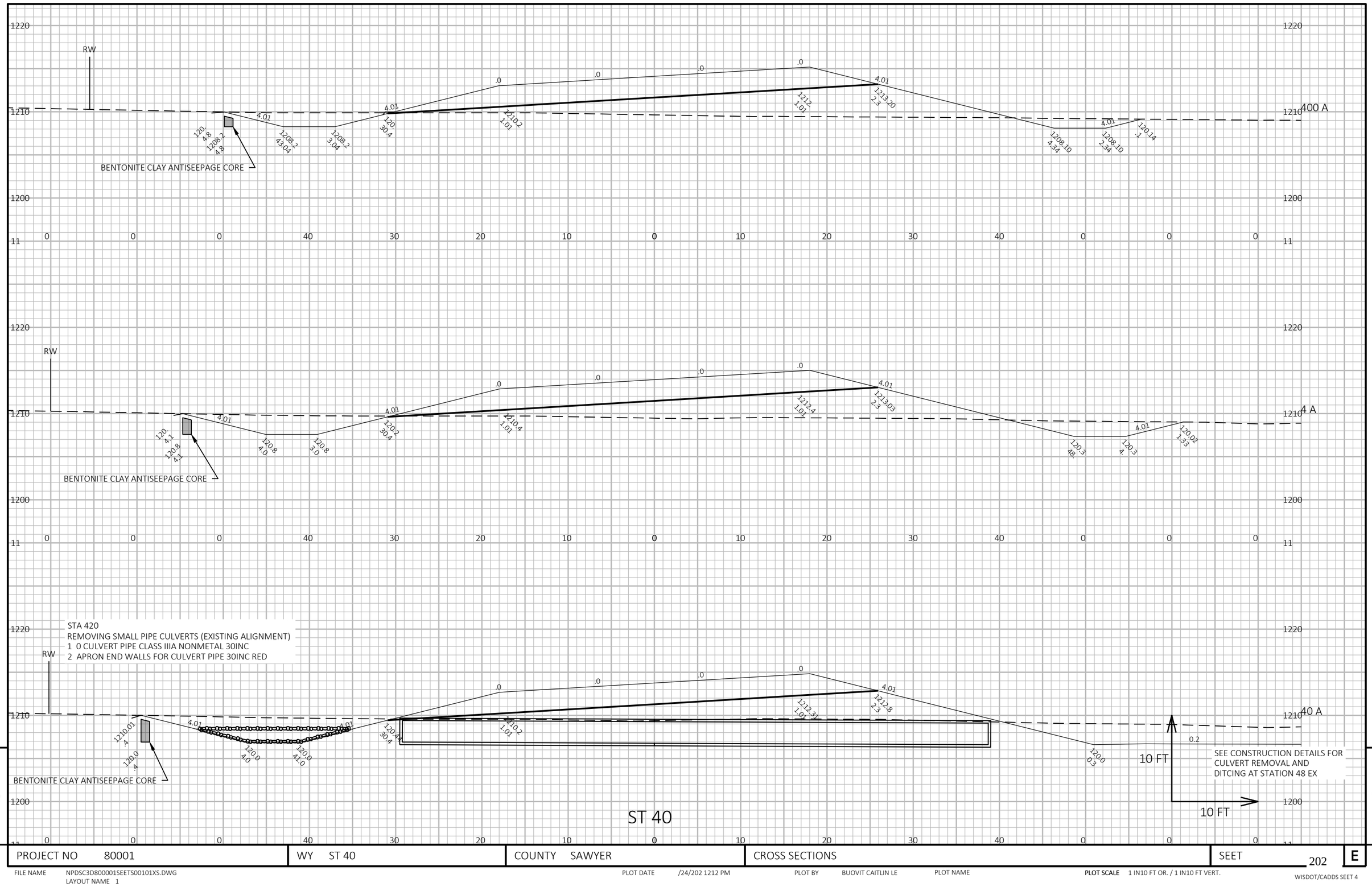


PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 201 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 14

PLOT DATE /24/202 1212 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



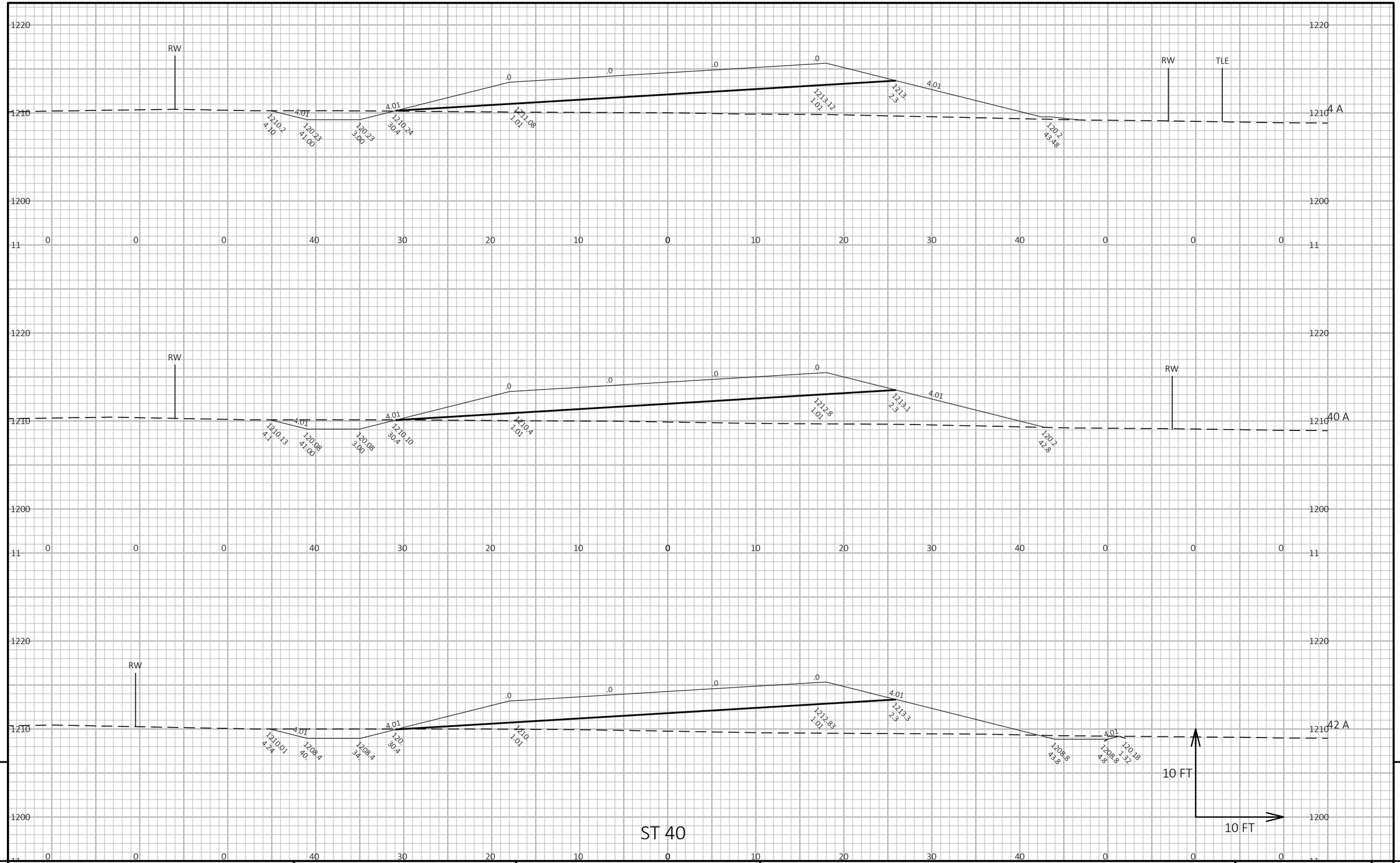
STA 420
REMOVING SMALL PIPE CULVERTS (EXISTING ALIGNMENT)
1 0 CULVERT PIPE CLASS IIIA NONMETAL 30INC
2 APRON END WALLS FOR CULVERT PIPE 30INC RED

ST 40

9

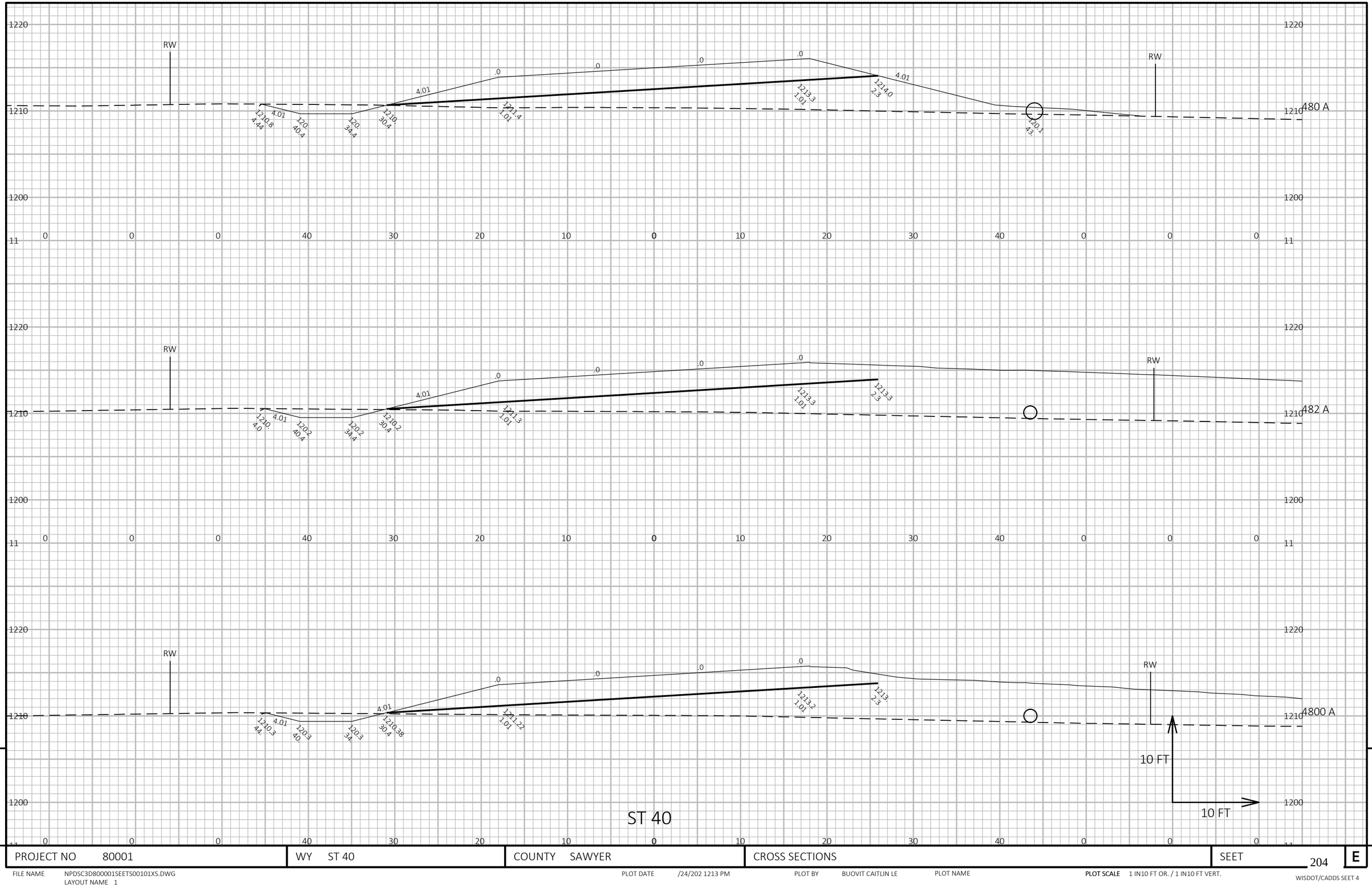
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 202	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1
PLOT DATE /24/202 1212 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 203	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1
PLOT DATE /24/202 1213 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4

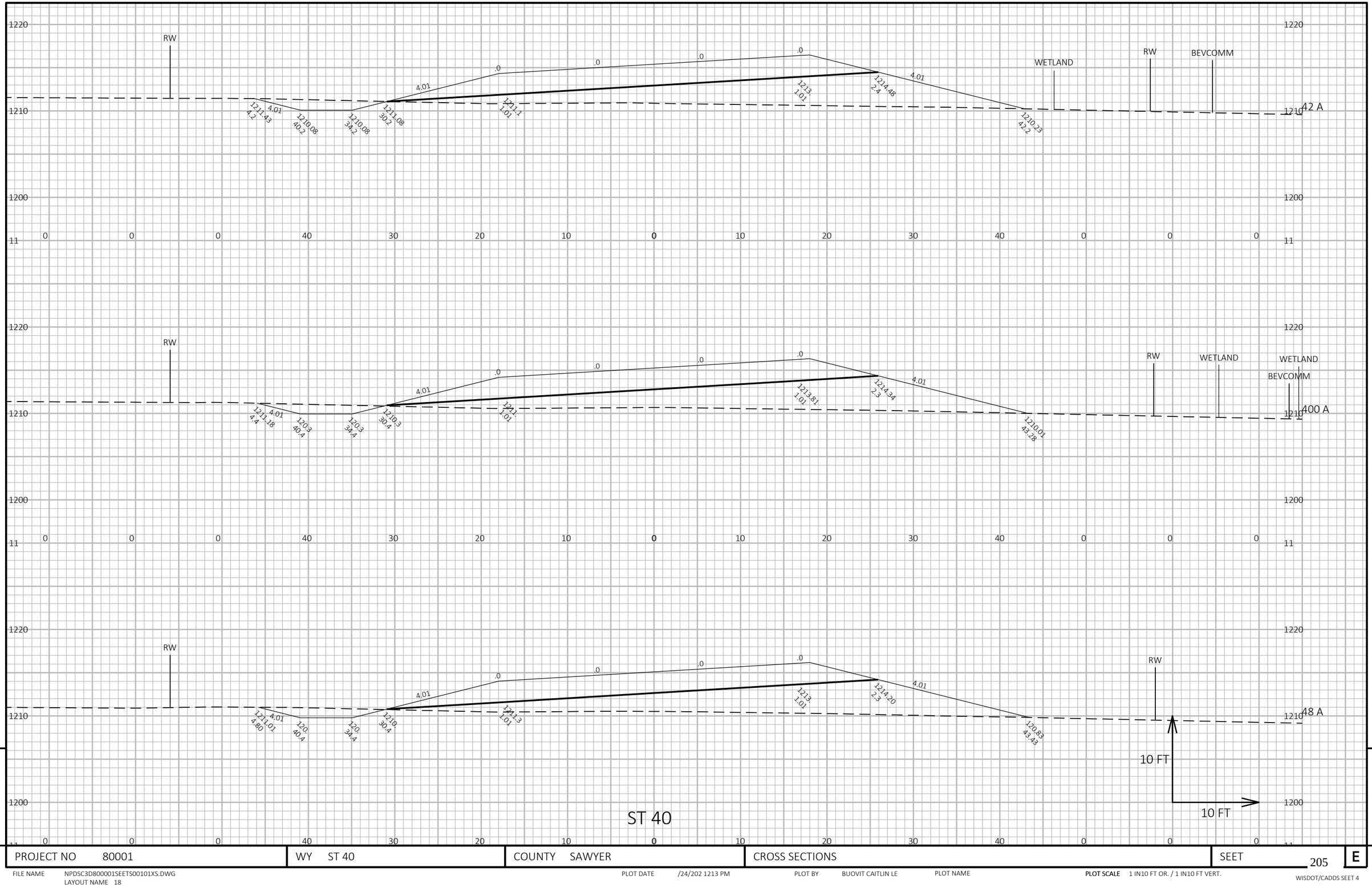


PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 204	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1

PLOT DATE /24/202 1213 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



ST 40

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 205	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 18
PLOT DATE /24/202 1213 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4

ST 40

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 206	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1

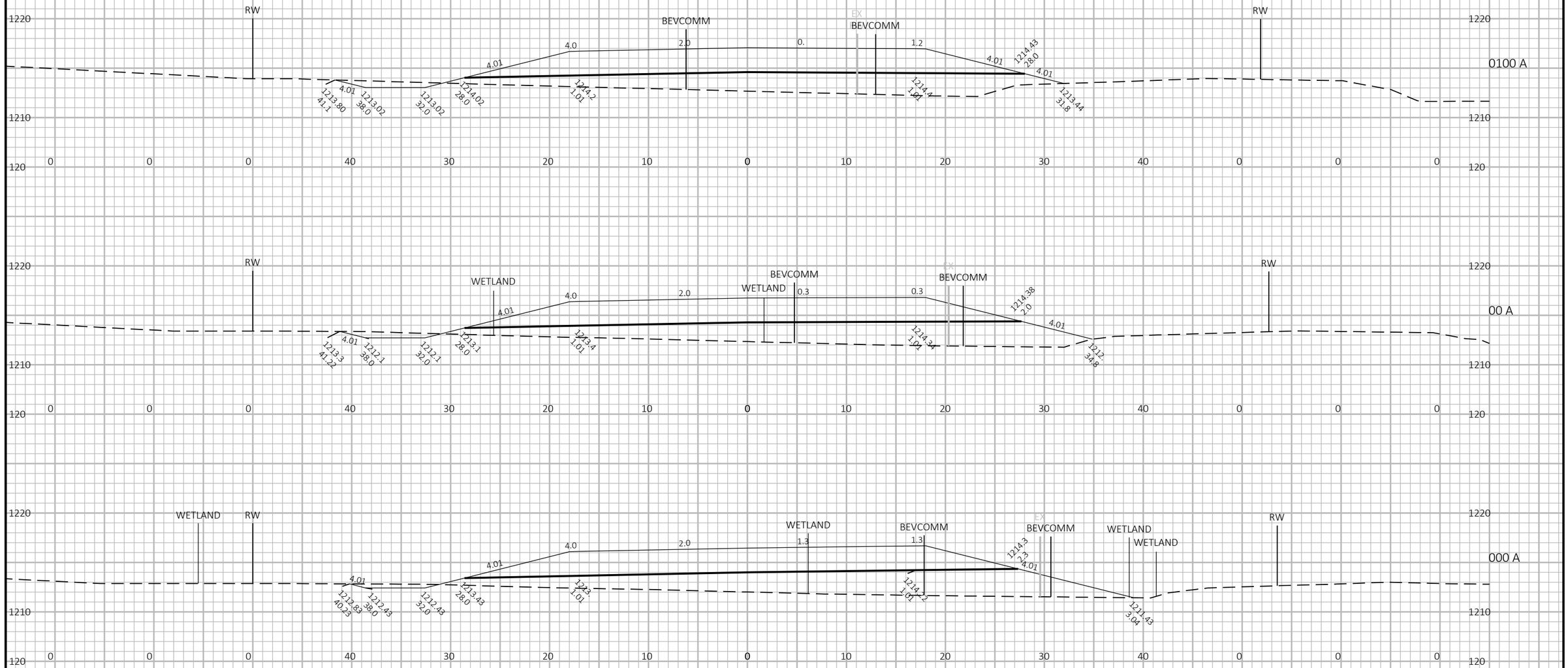
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 207	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 20

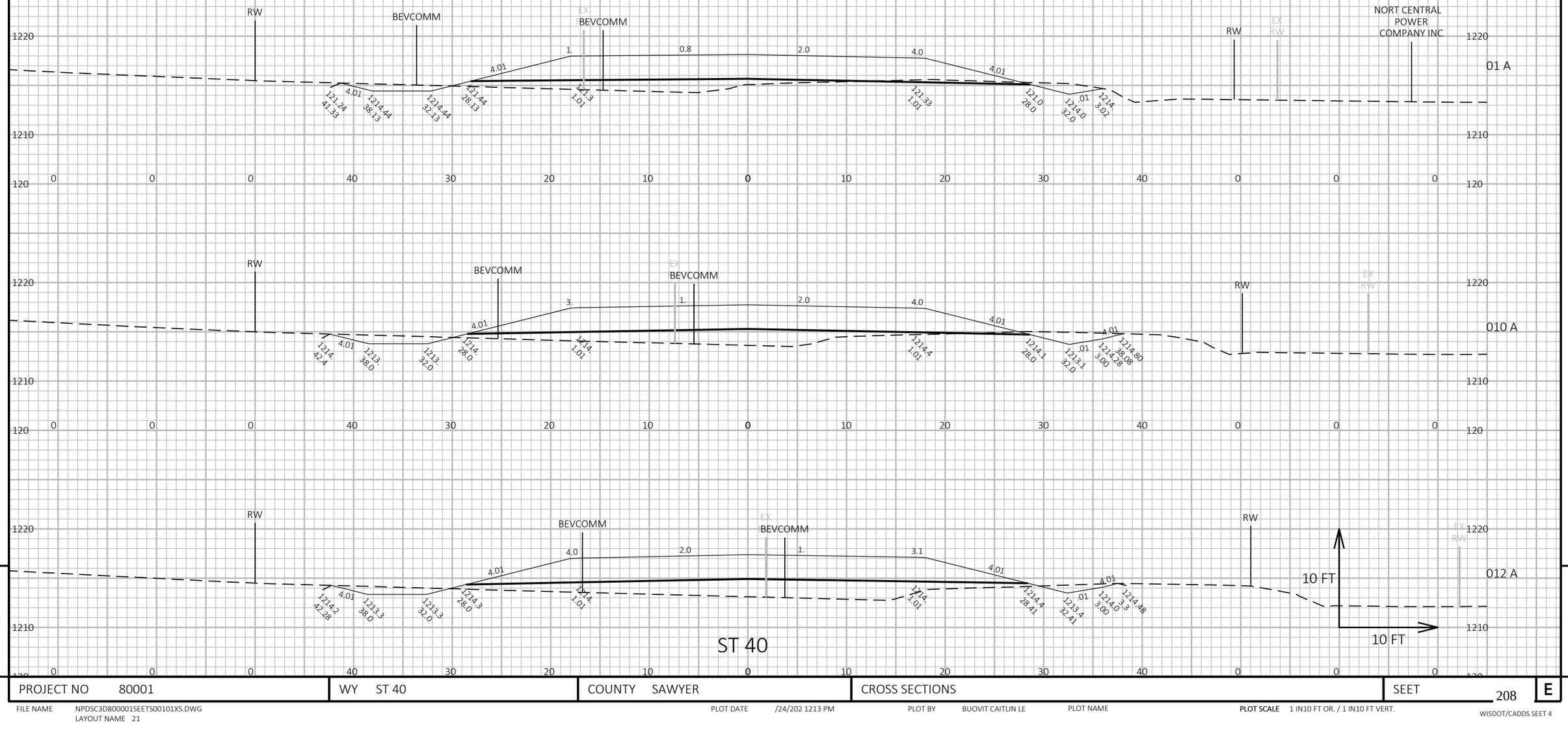
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 208	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 21

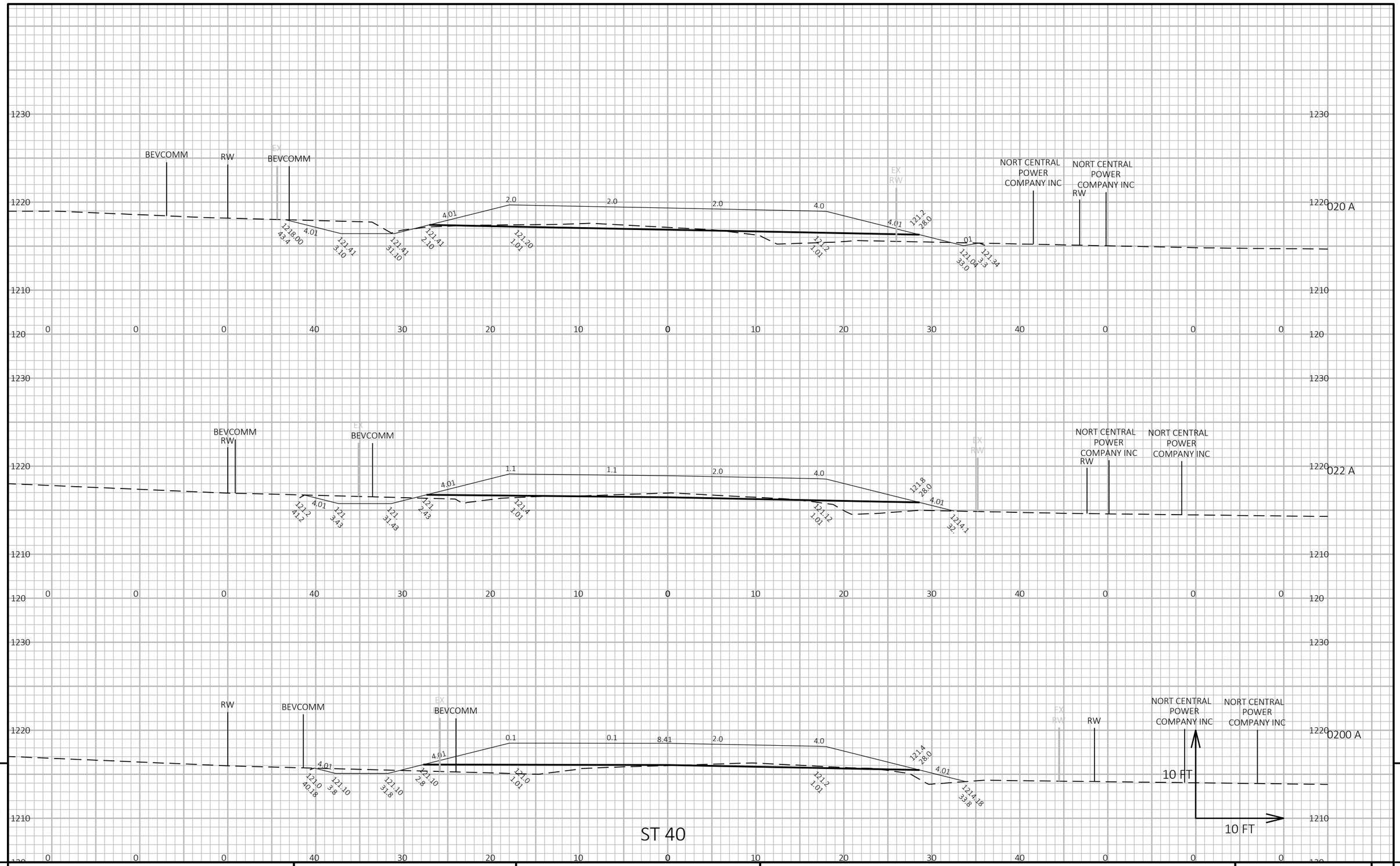
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



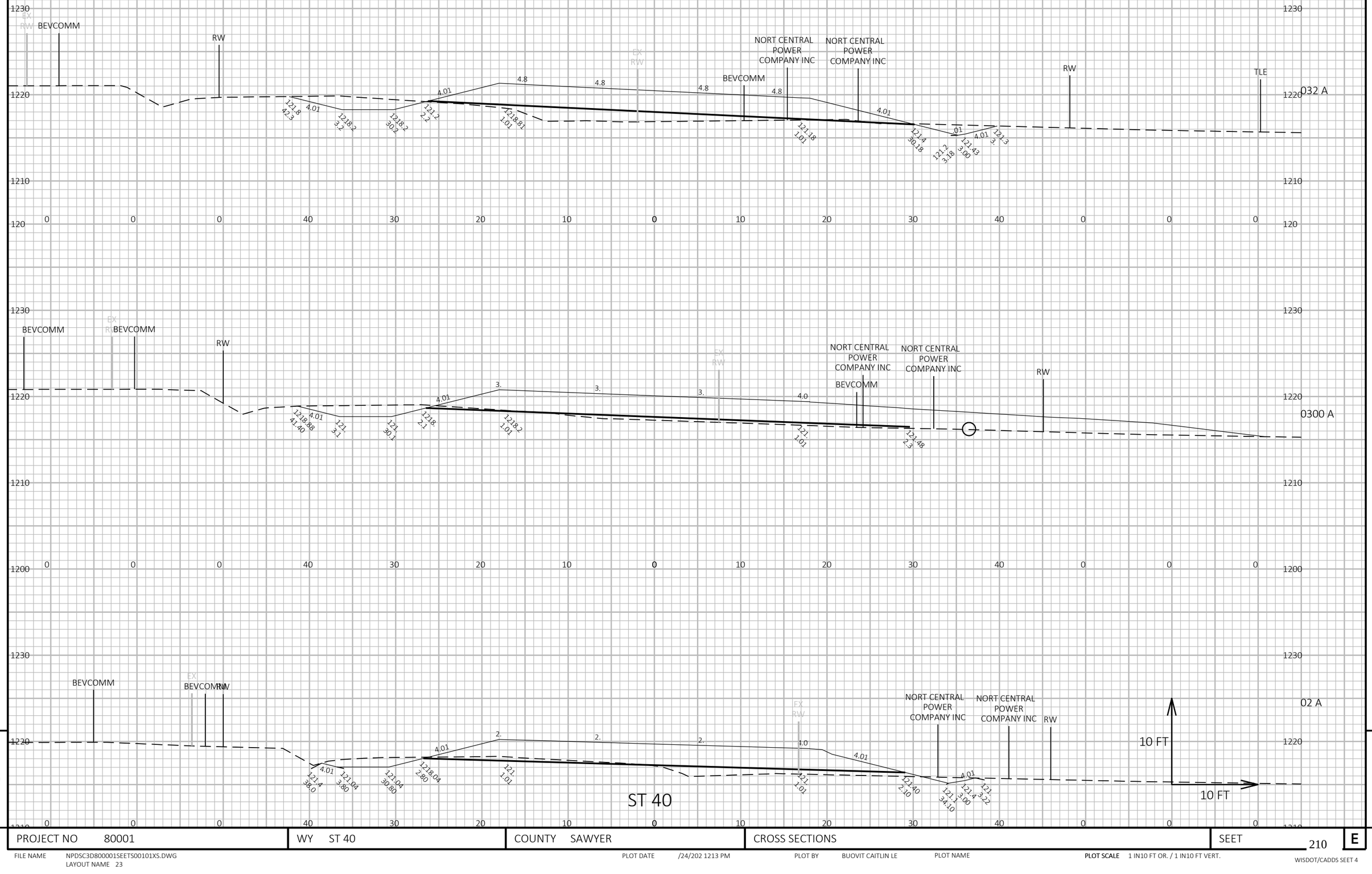
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 209

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 22

PLOT DATE /24/202 1213 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 210	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 23

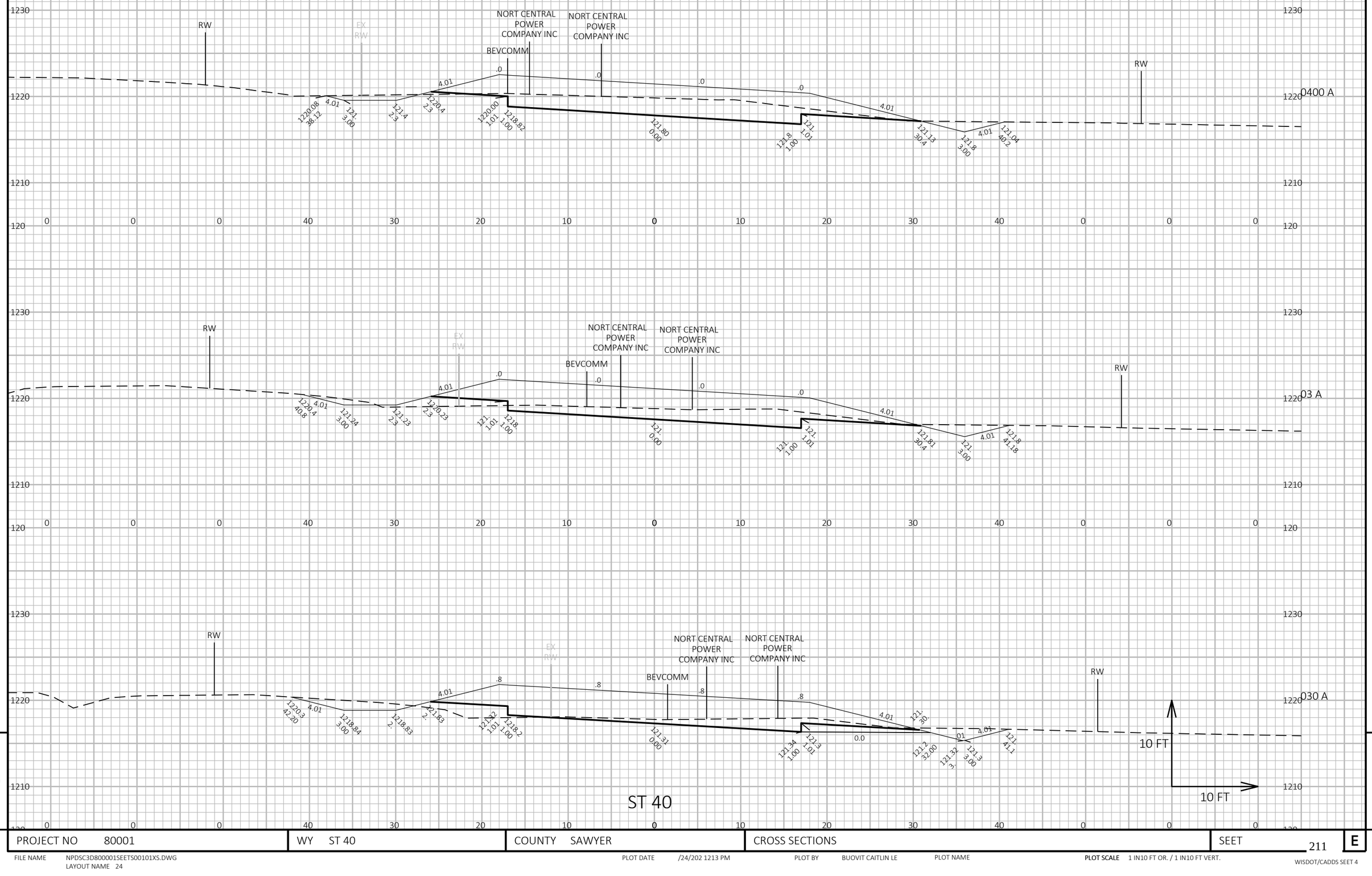
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 211	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 24

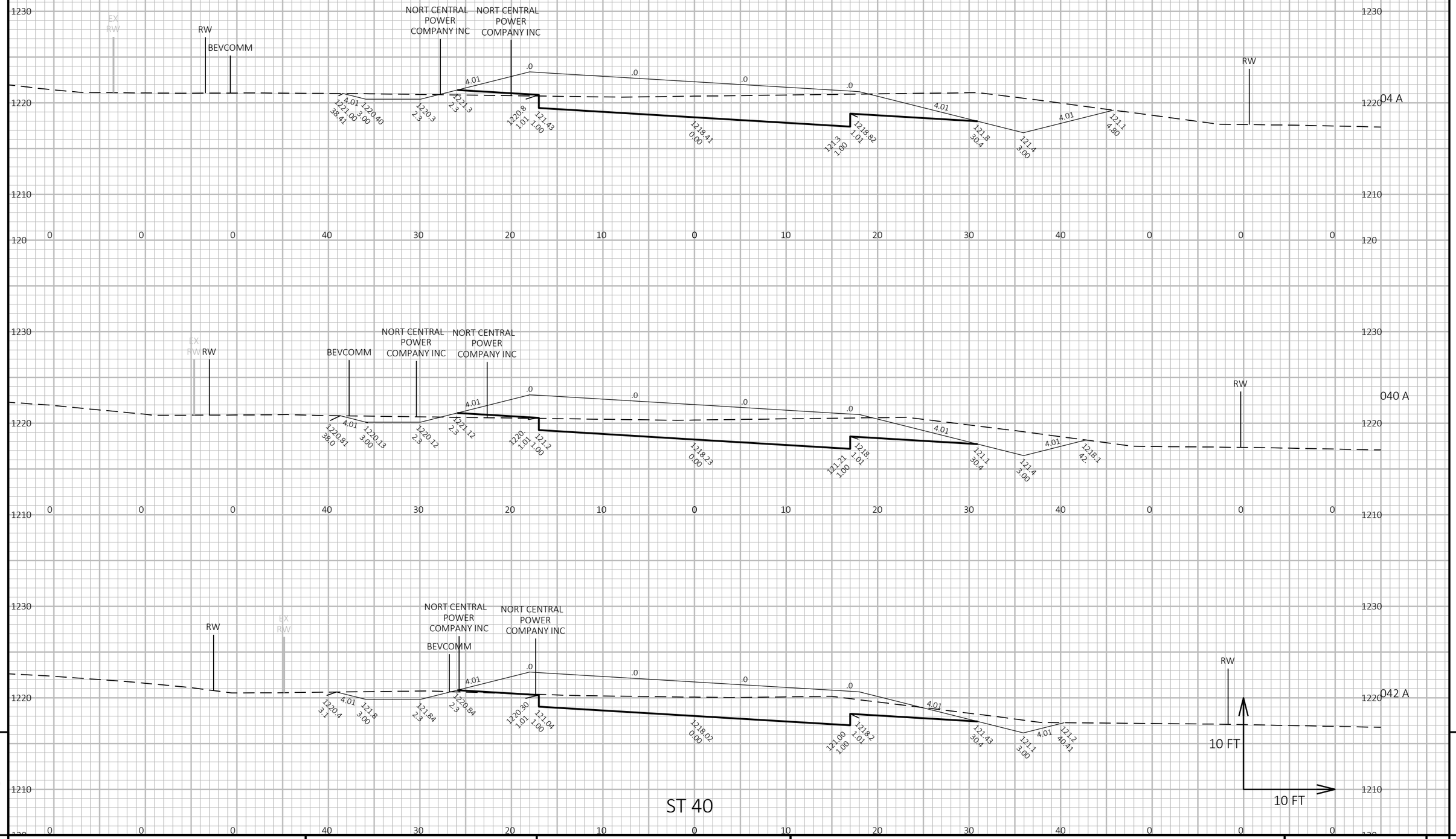
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 212

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

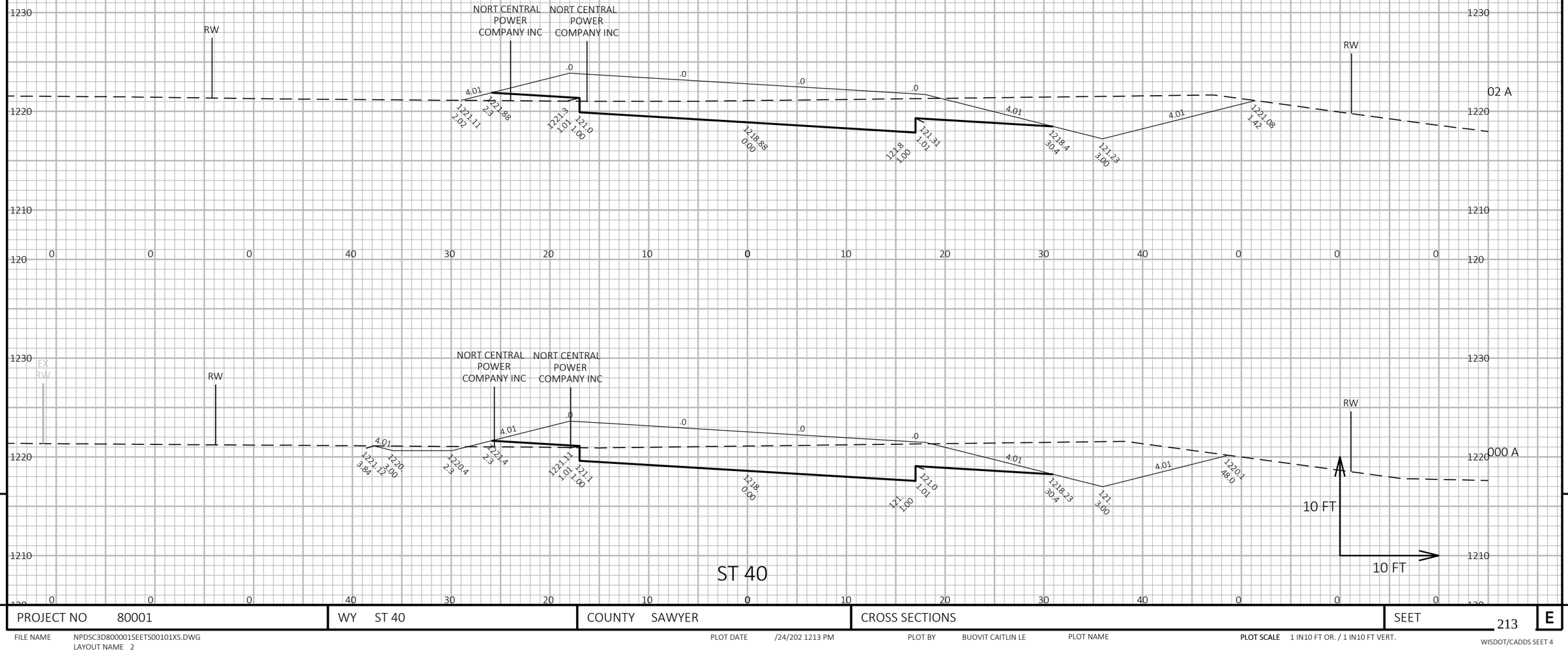
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 213	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

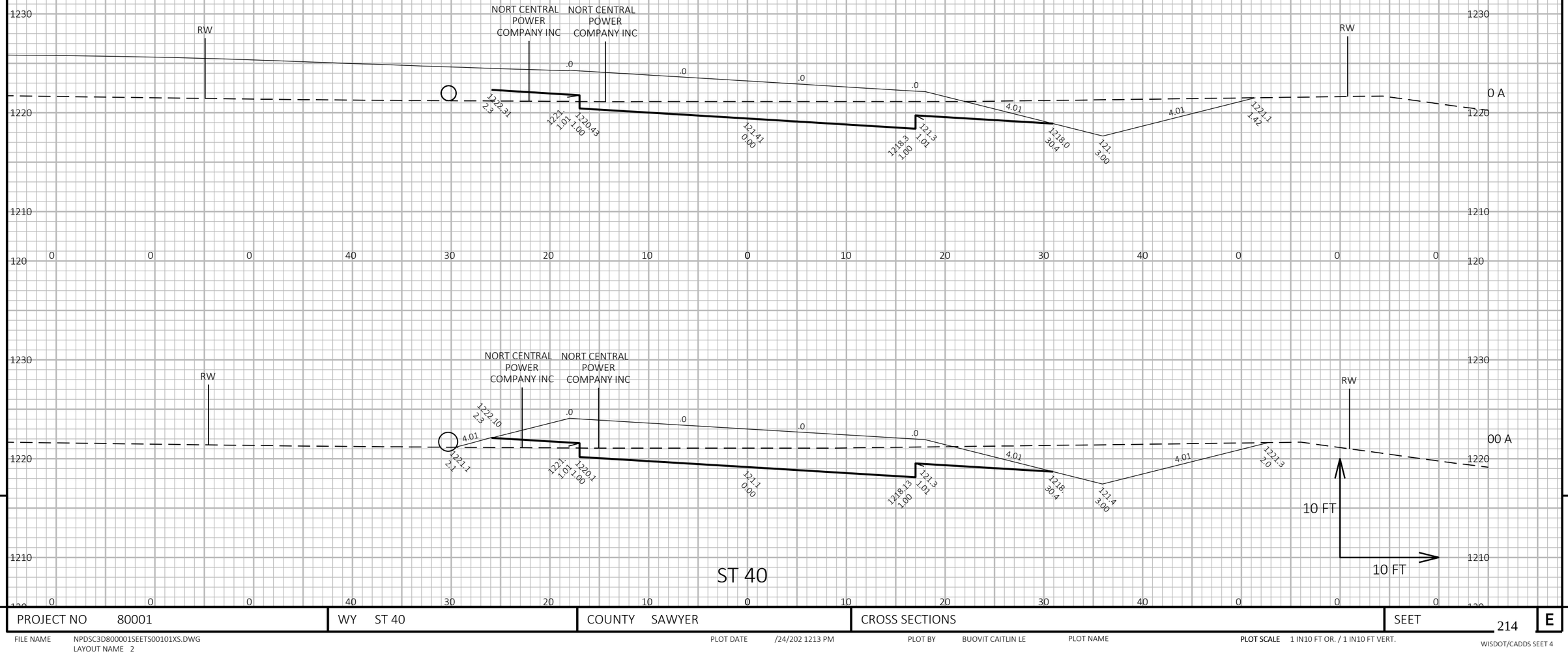
PLOT DATE /24/202 1213 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



ST 40

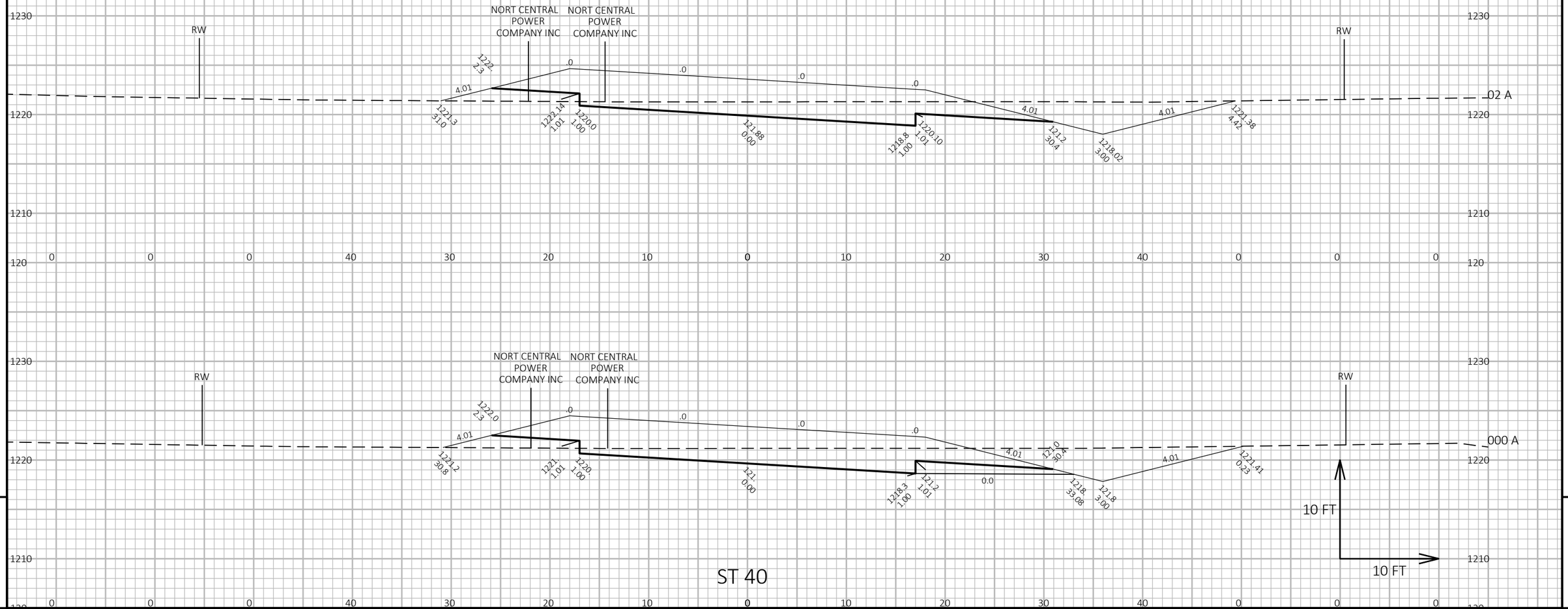
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 214	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

PLOT DATE /24/202 1213 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



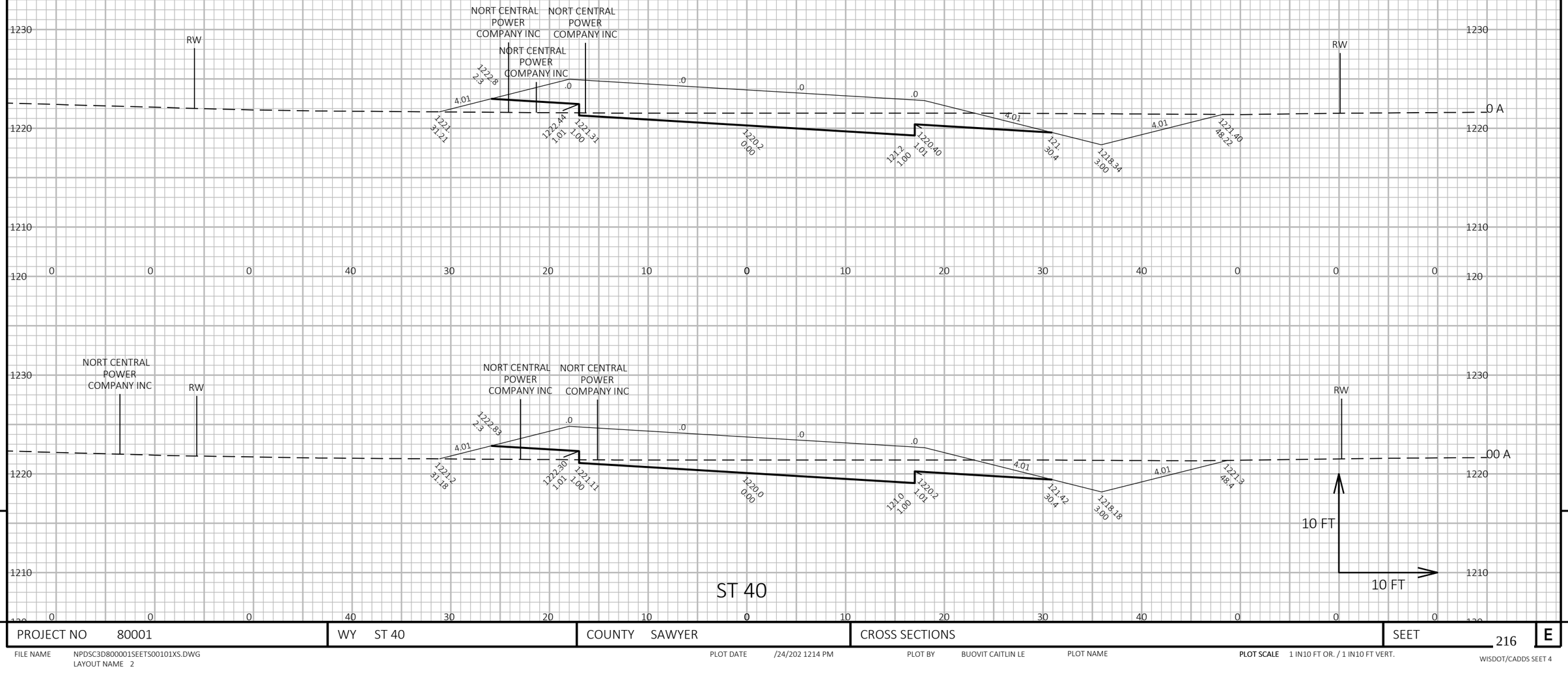
9 9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 215	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 28

PLOT DATE /24/202 1213 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 216	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

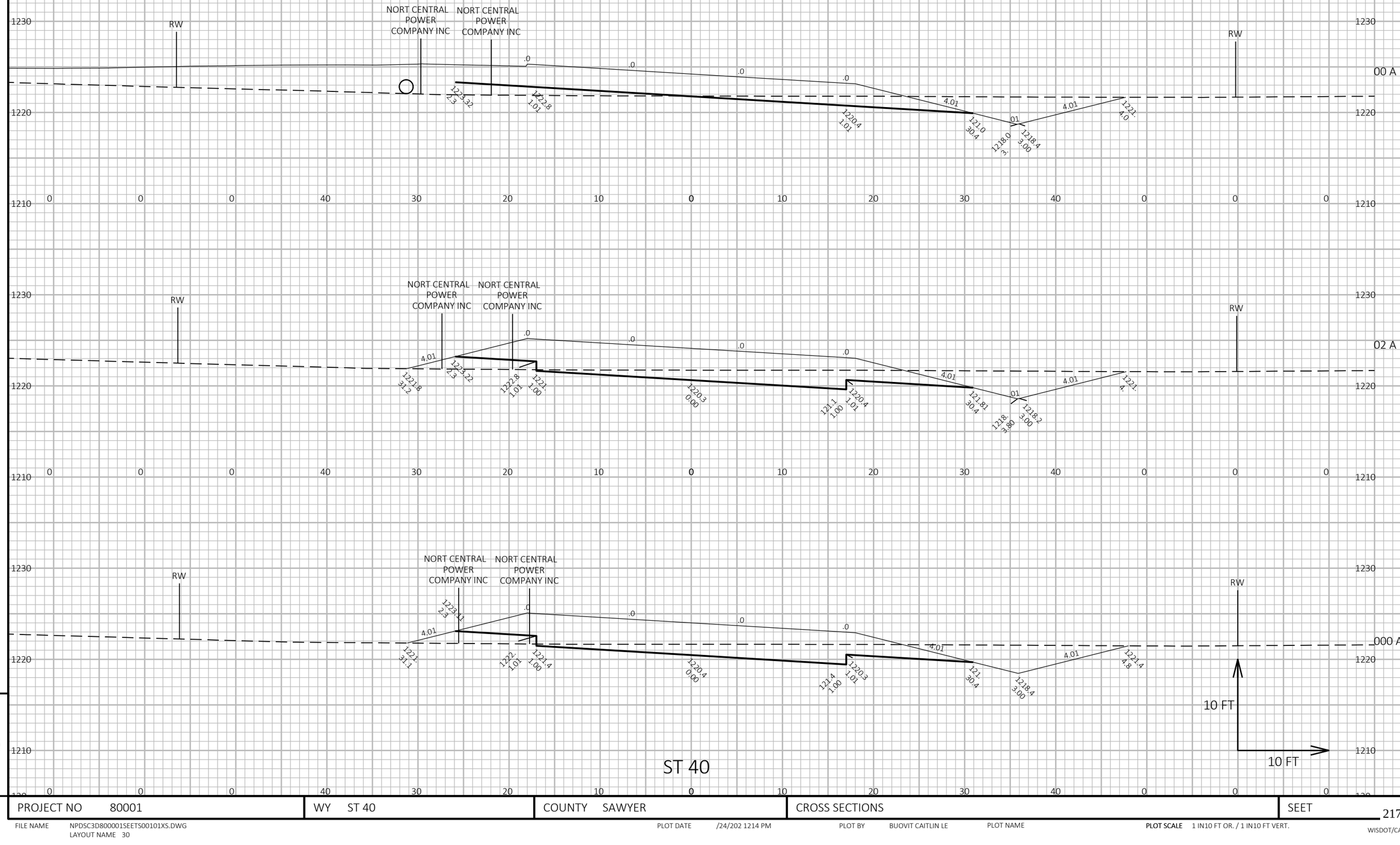
PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 217	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 30

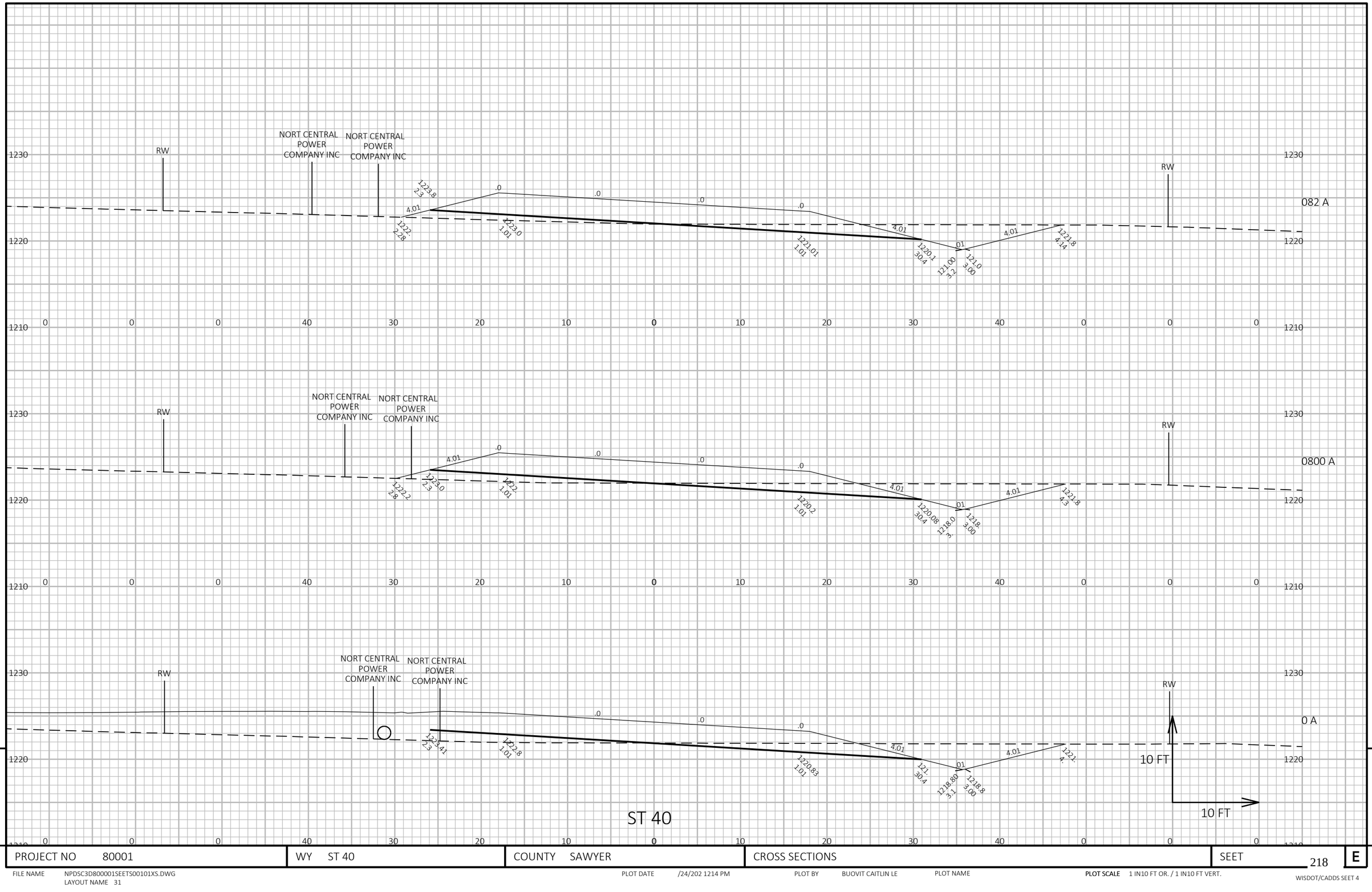
PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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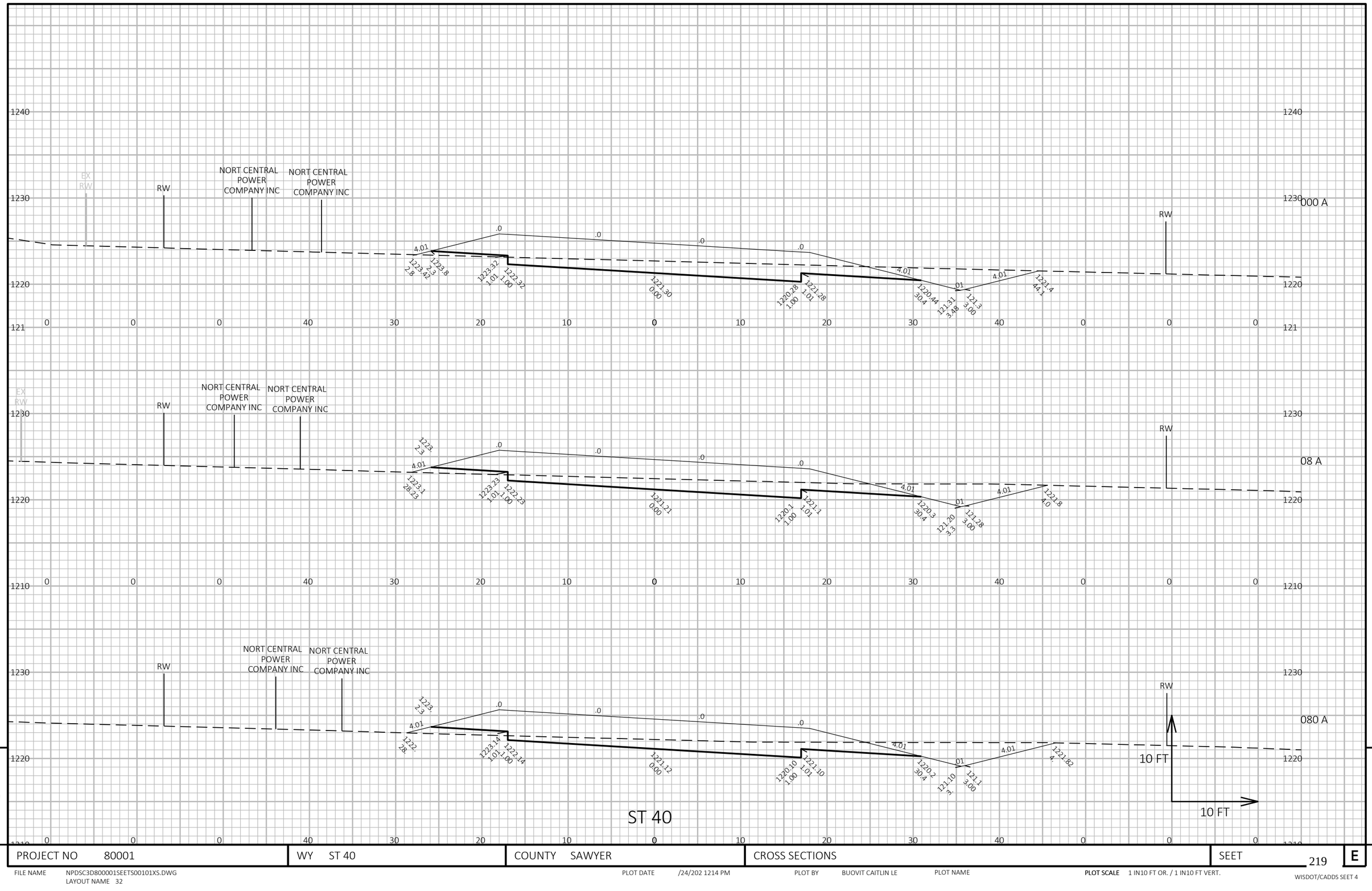
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 218	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 31
PLOT DATE /24/202 1214 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 219

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 32

PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

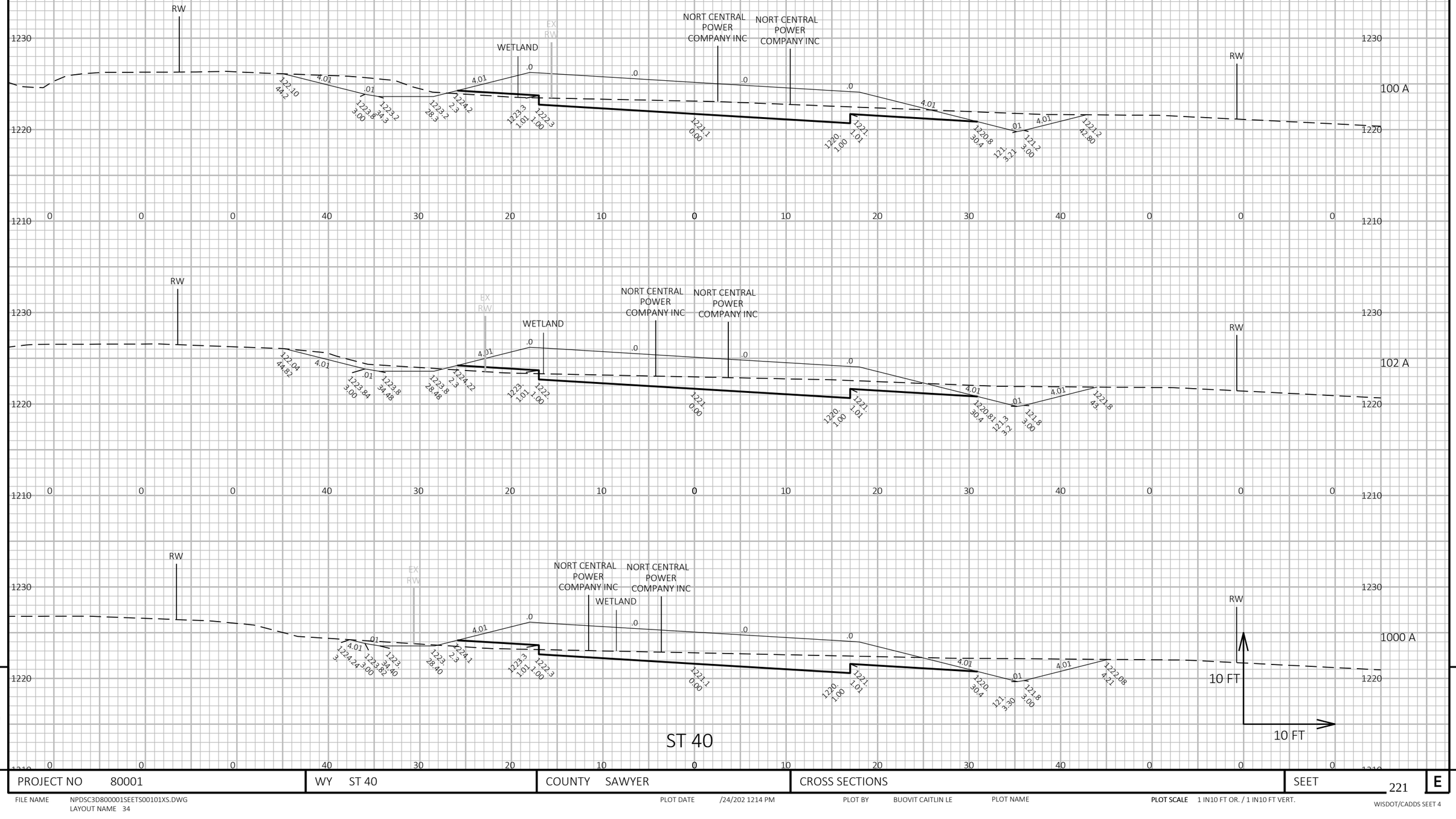
WISDOT/CADDS SEET 4

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 220 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 33

PLOT DATE /24/202 1214 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 221

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 34

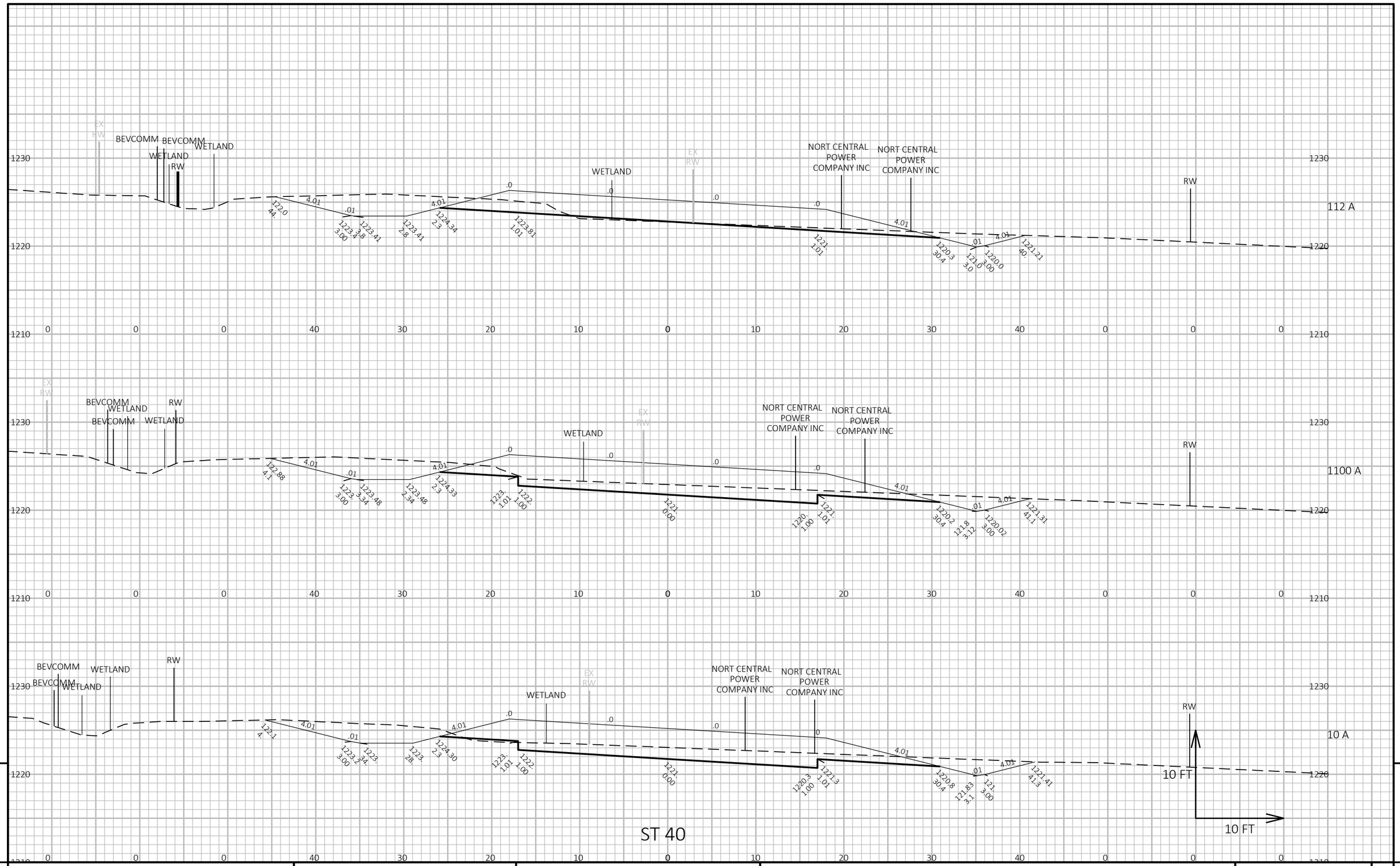
PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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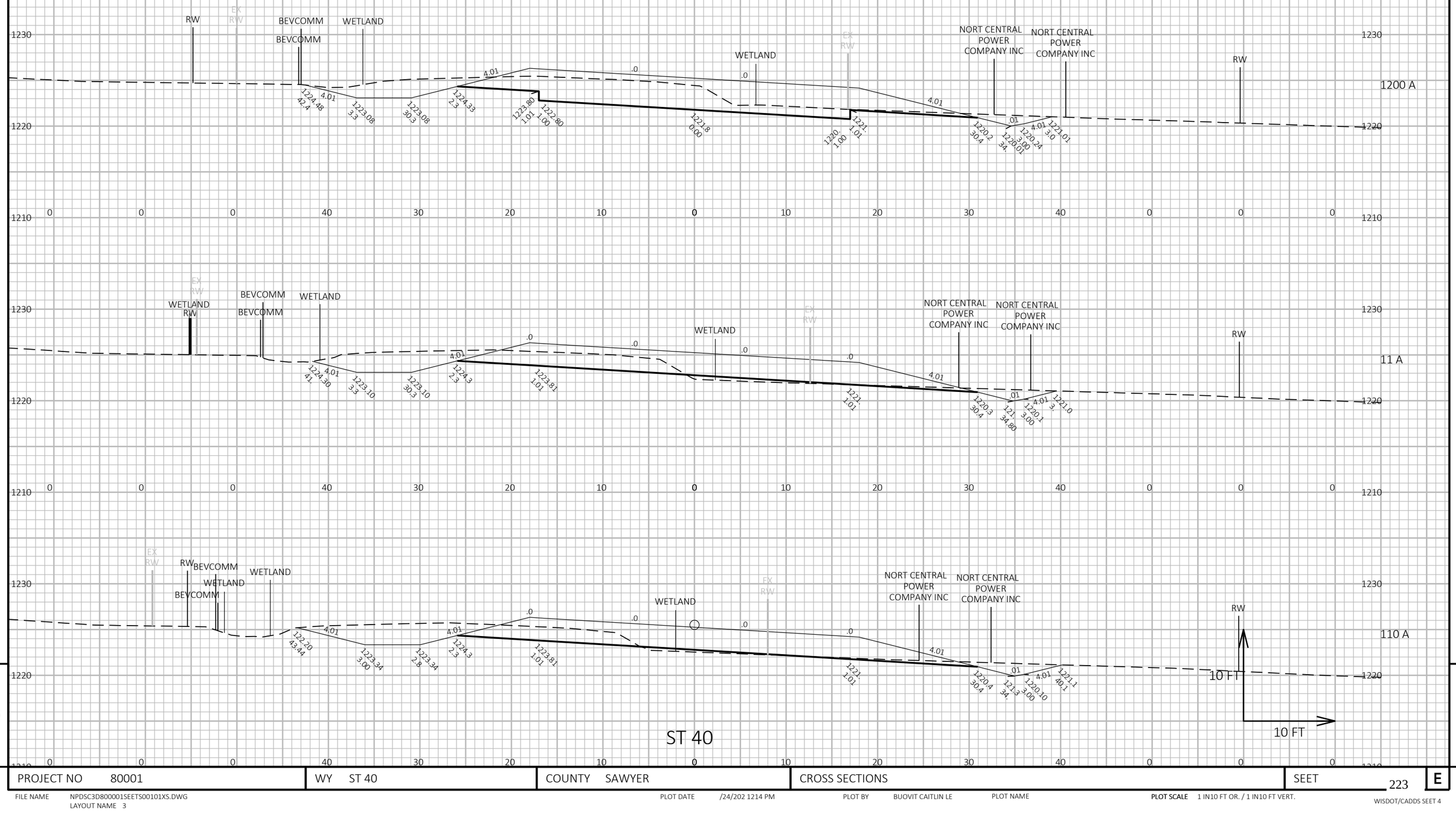
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 222	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

PLOT DATE /24/202 1214 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 223	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

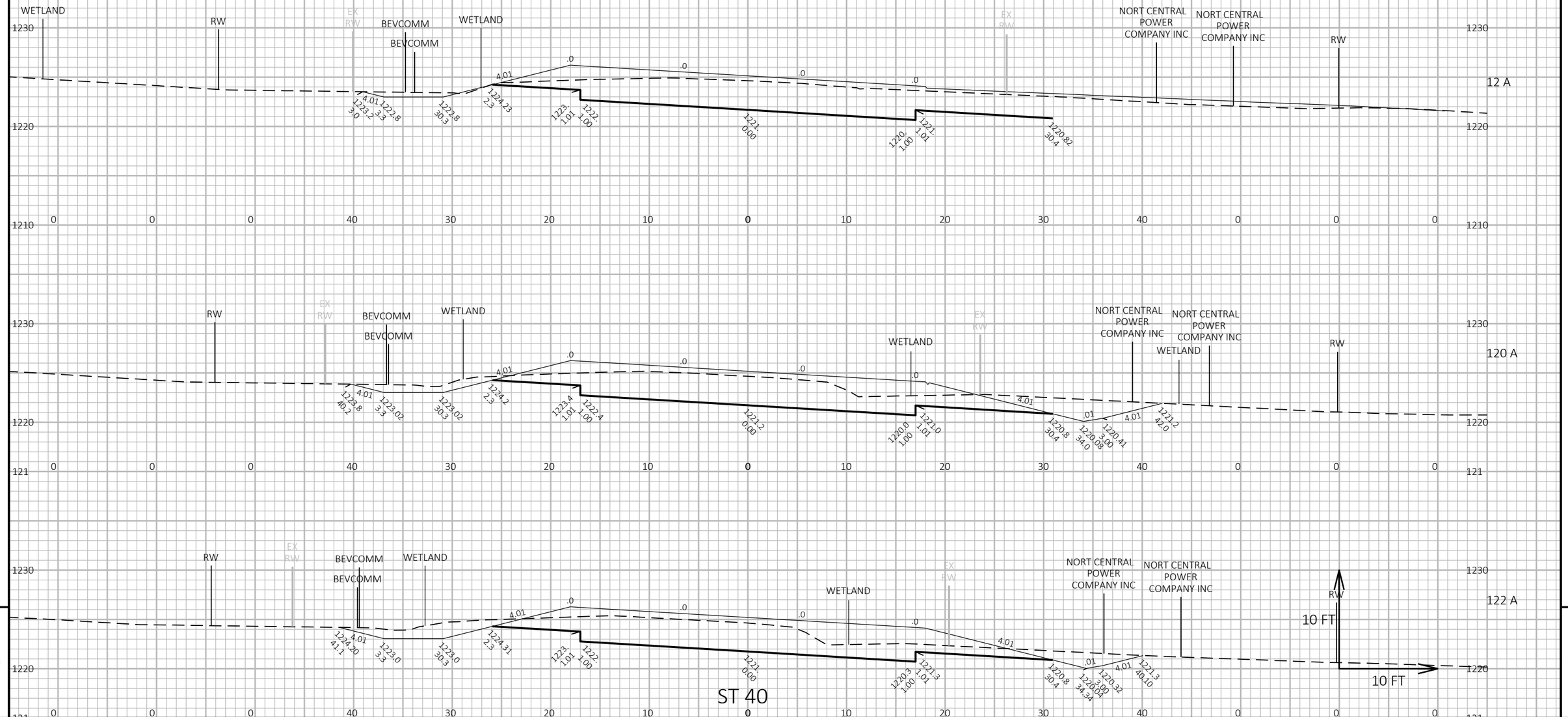
PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

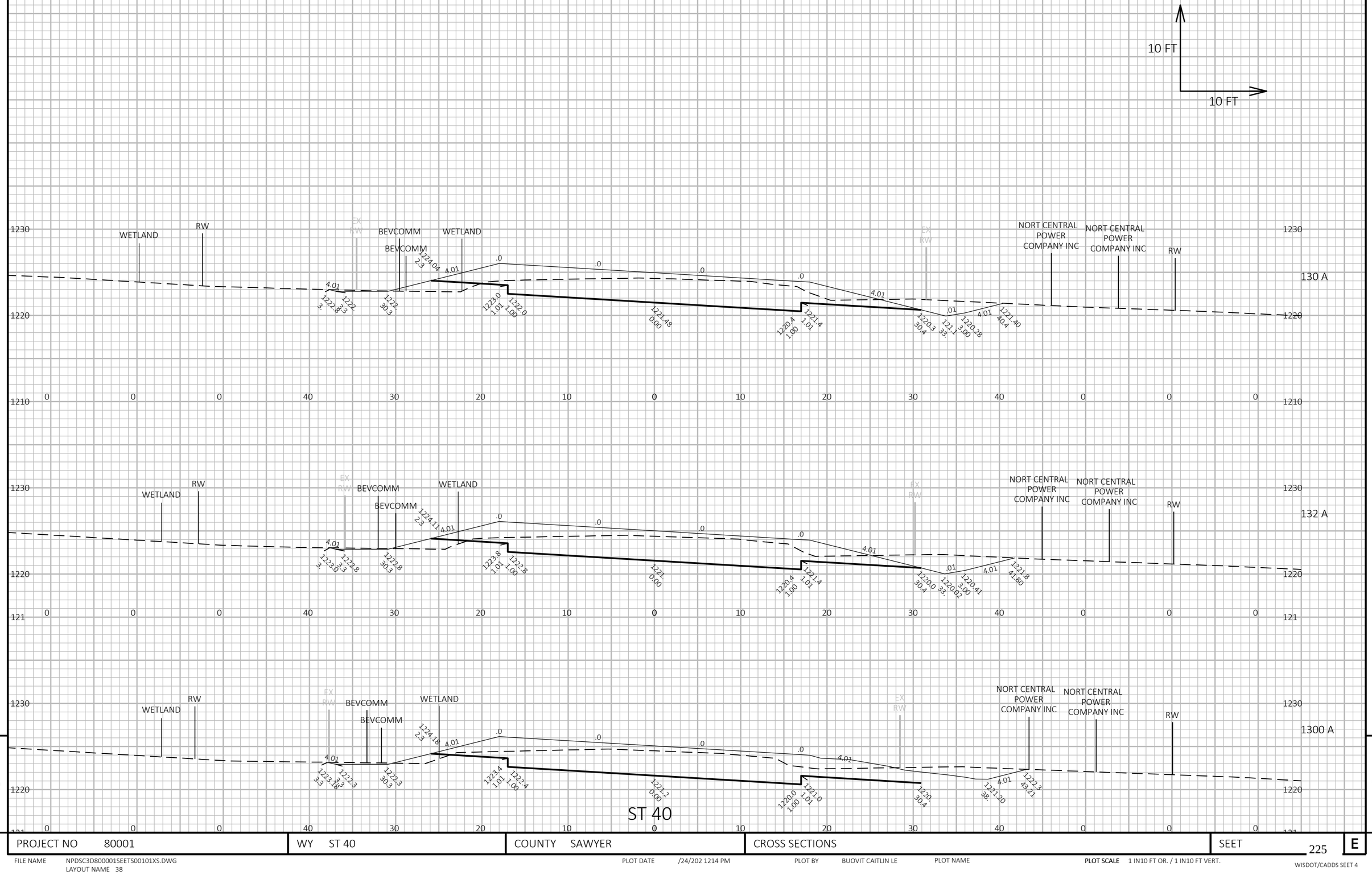


PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 224

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

PLOT DATE /24/202 1214 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 225	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 38

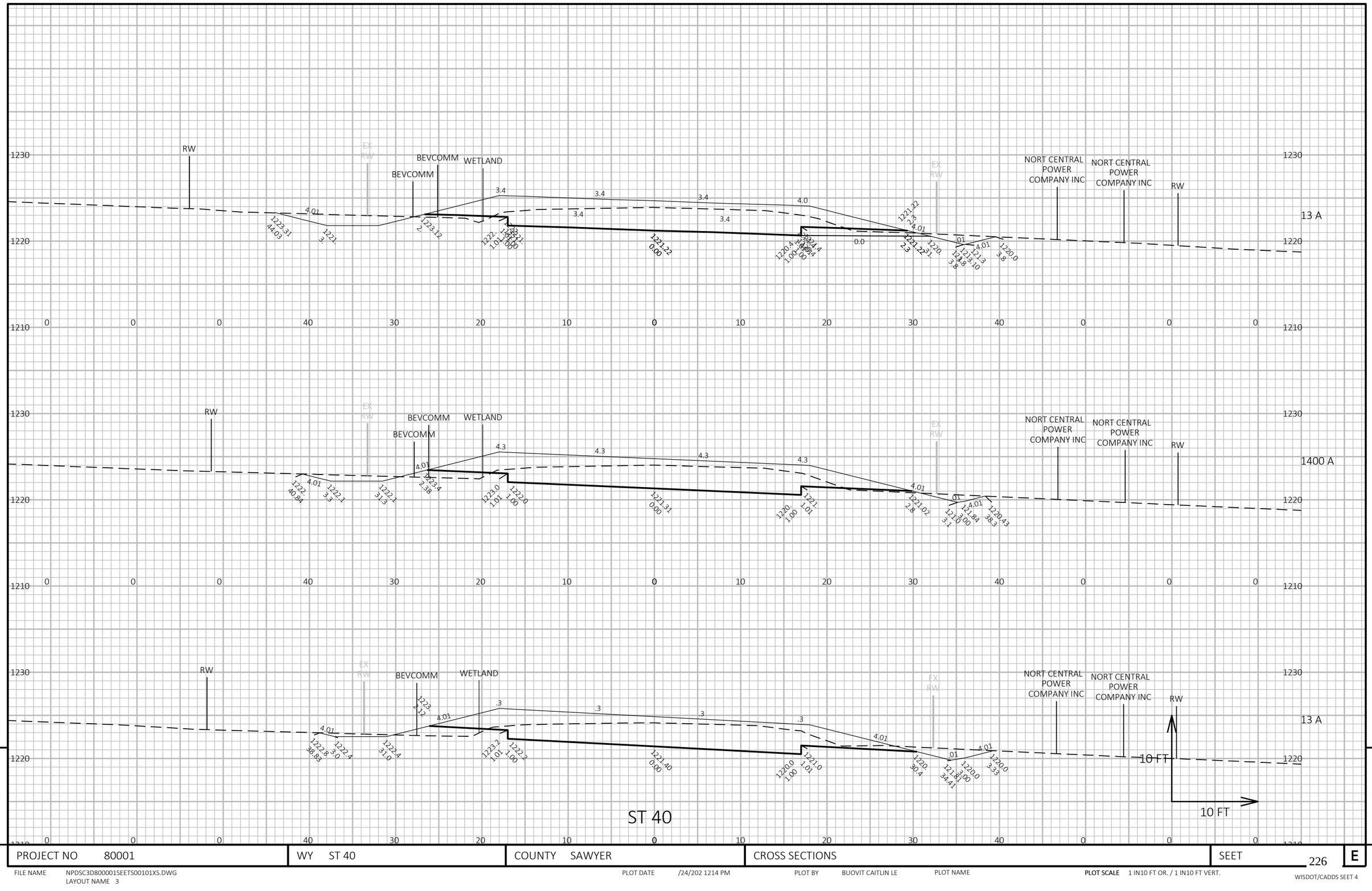
PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



9

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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 226	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

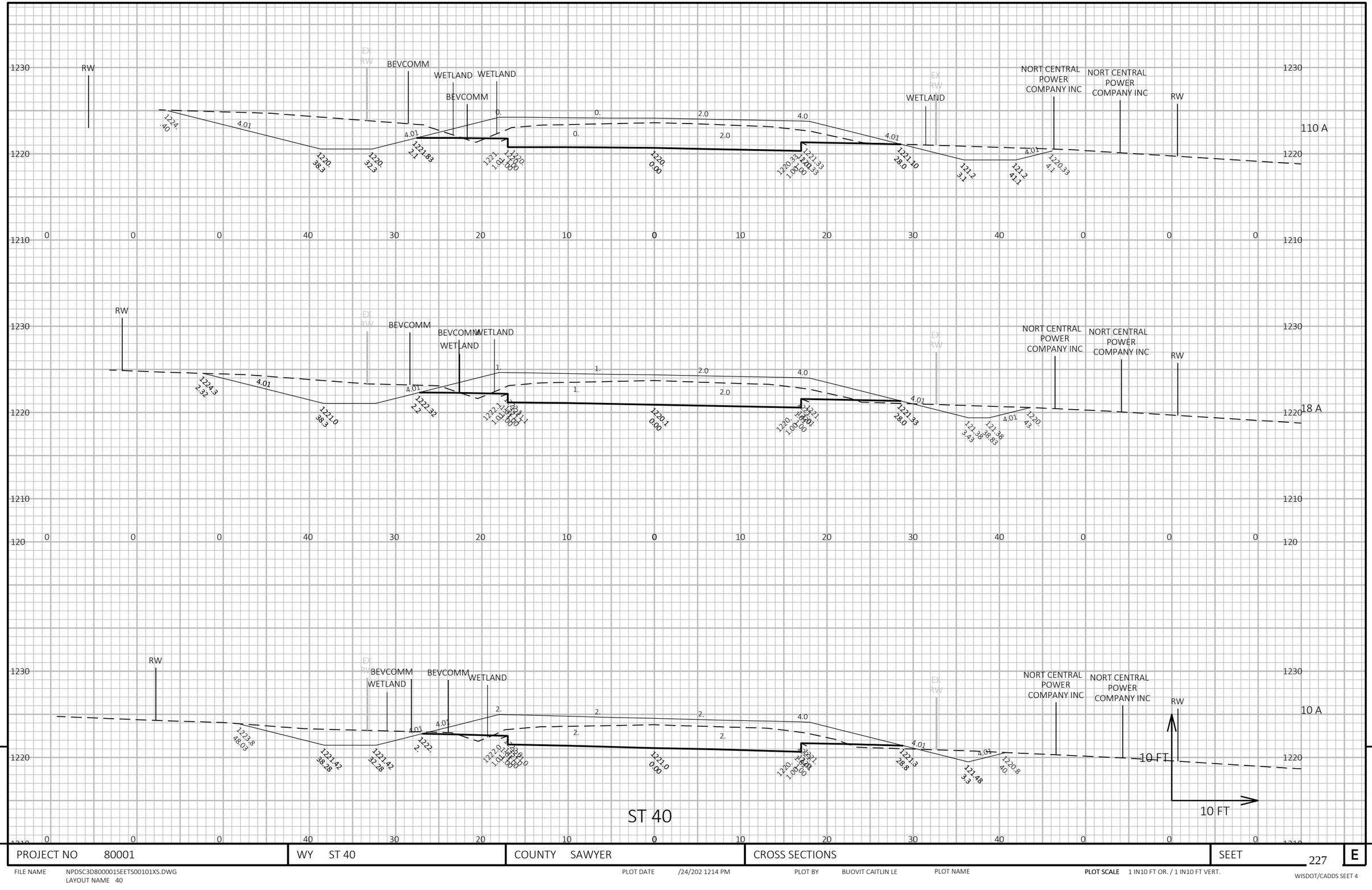
PLOT DATE /24/202 1214 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

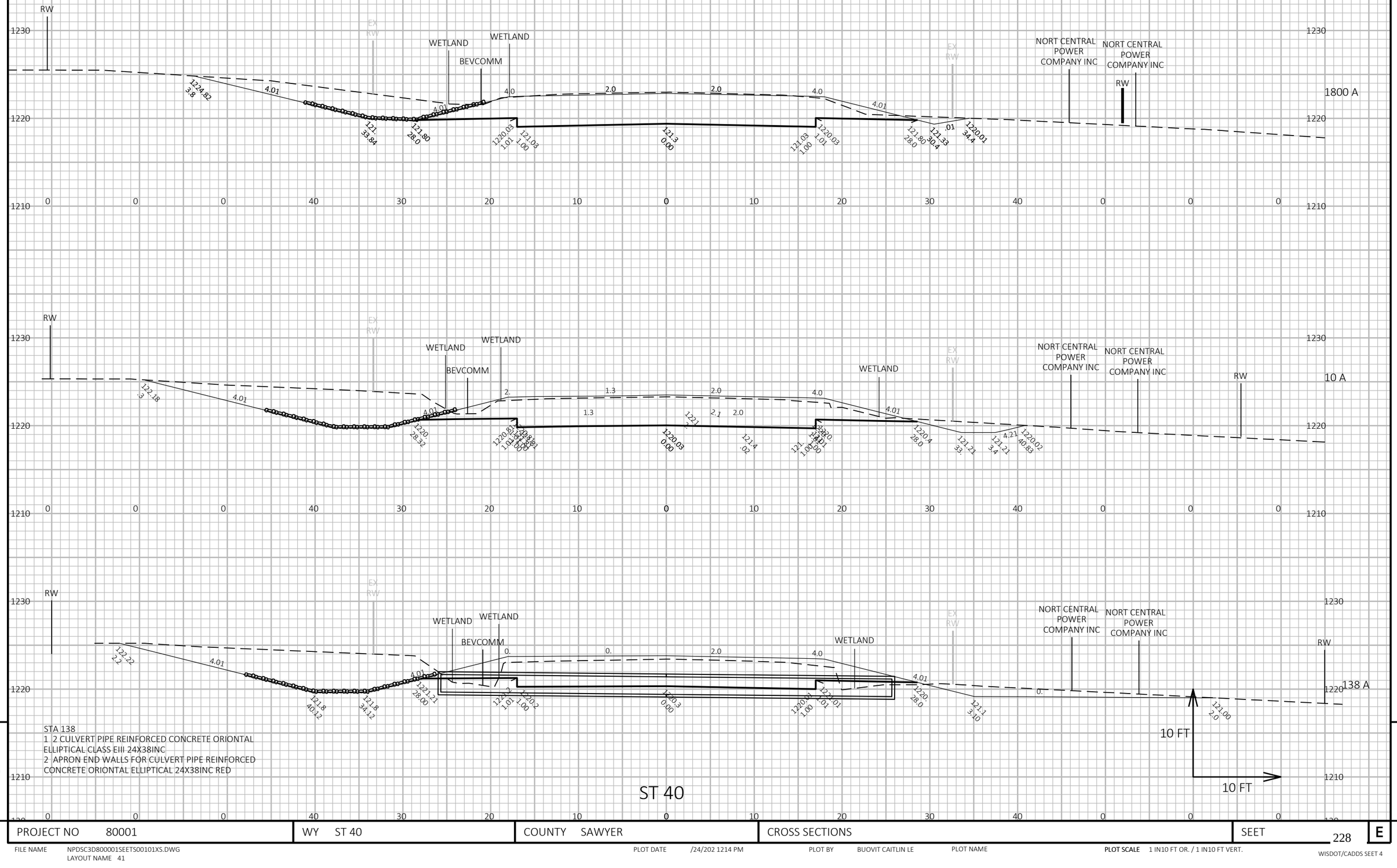
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 227 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 40
PLOT DATE /24/202 1214 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4

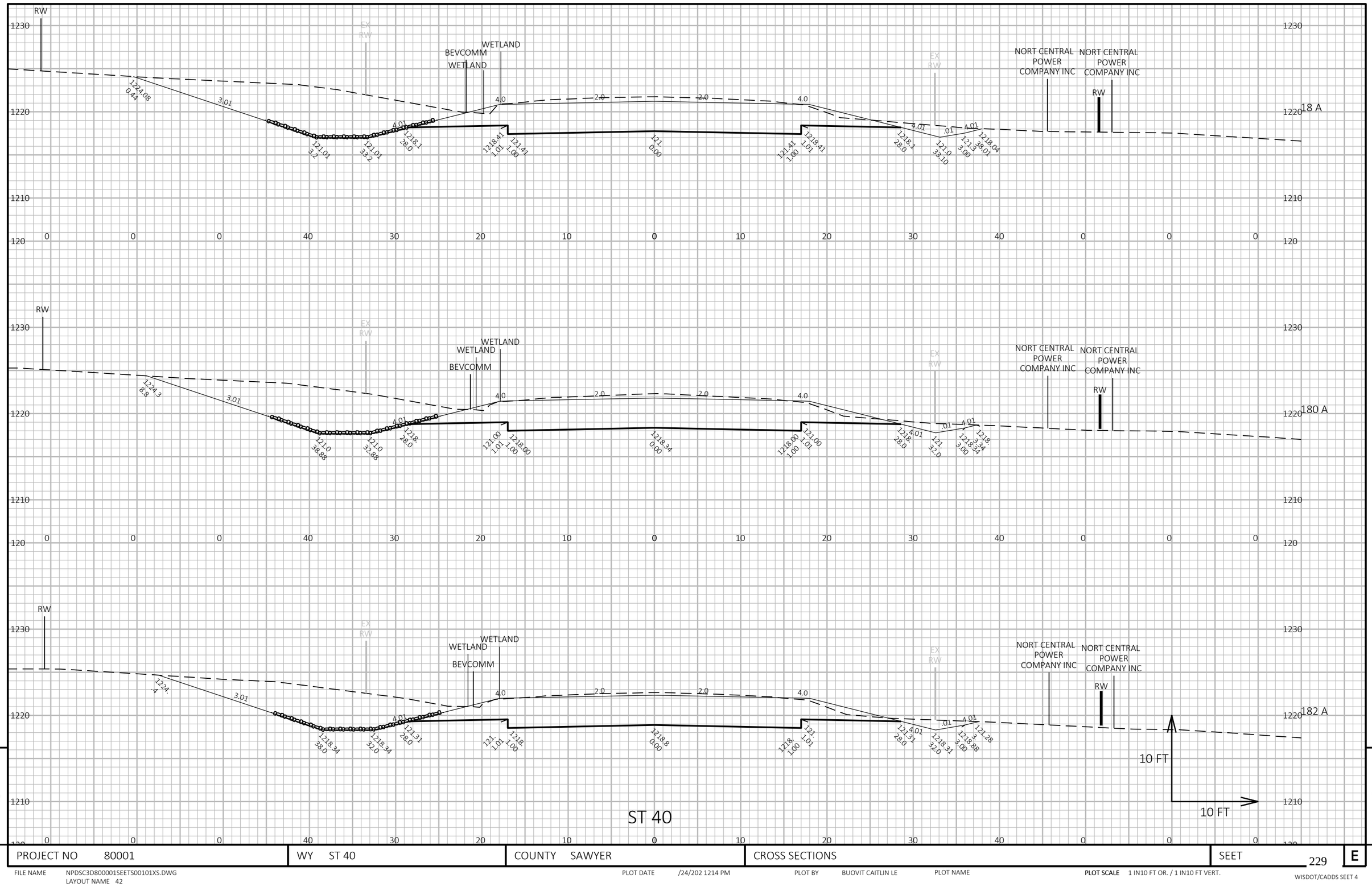


STA 138
1 2 CULVERT PIPE REINFORCED CONCRETE ORIONTAL ELLIPTICAL CLASS EIII 24X38INC
2 APRON END WALLS FOR CULVERT PIPE REINFORCED CONCRETE ORIONTAL ELLIPTICAL 24X38INC RED

ST 40

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 228	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 41
PLOT DATE /24/202 1214 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 229 E

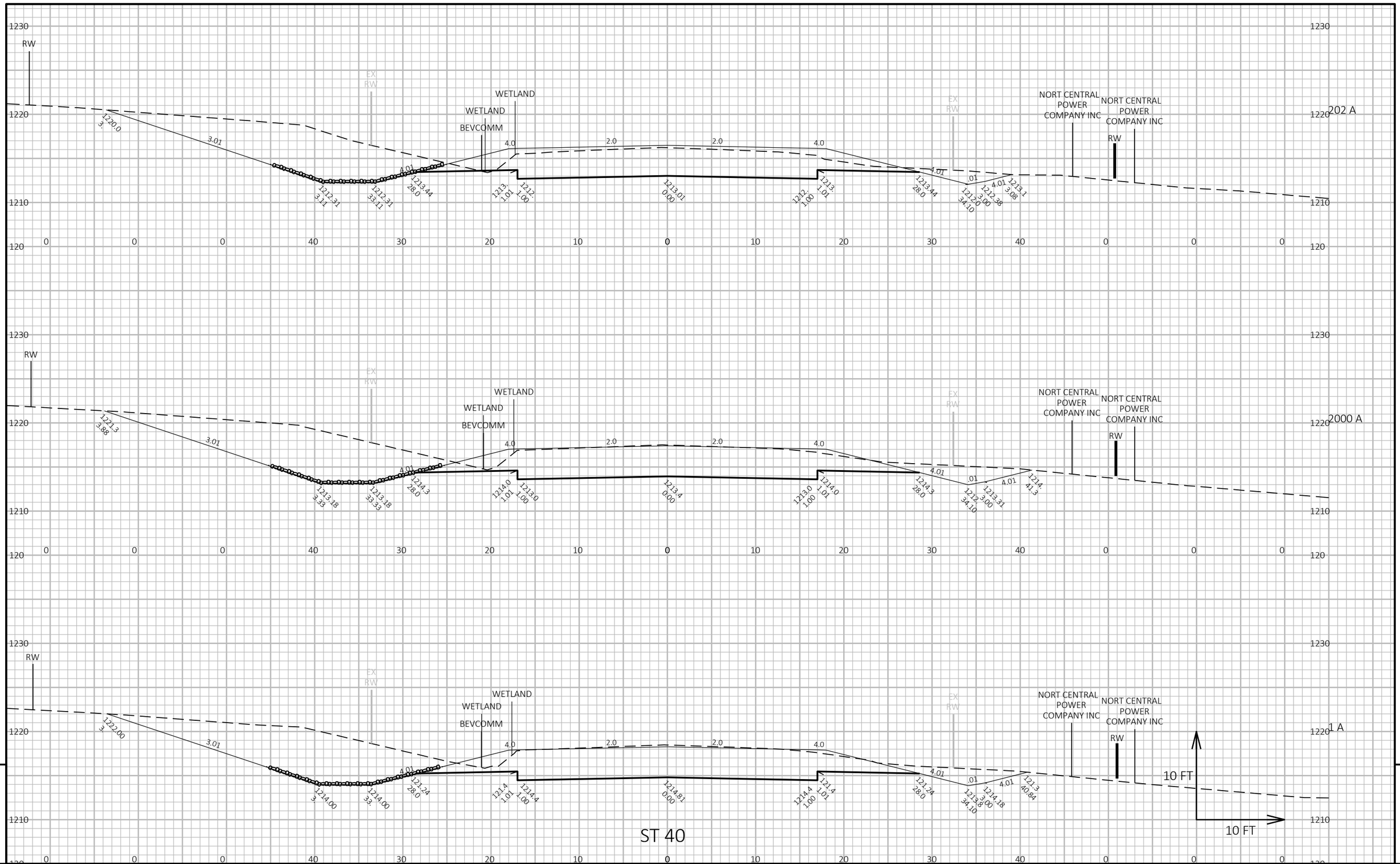
FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 42
PLOT DATE /24/202 1214 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 230 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 43

PLOT DATE /24/202 1214 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 231	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 44

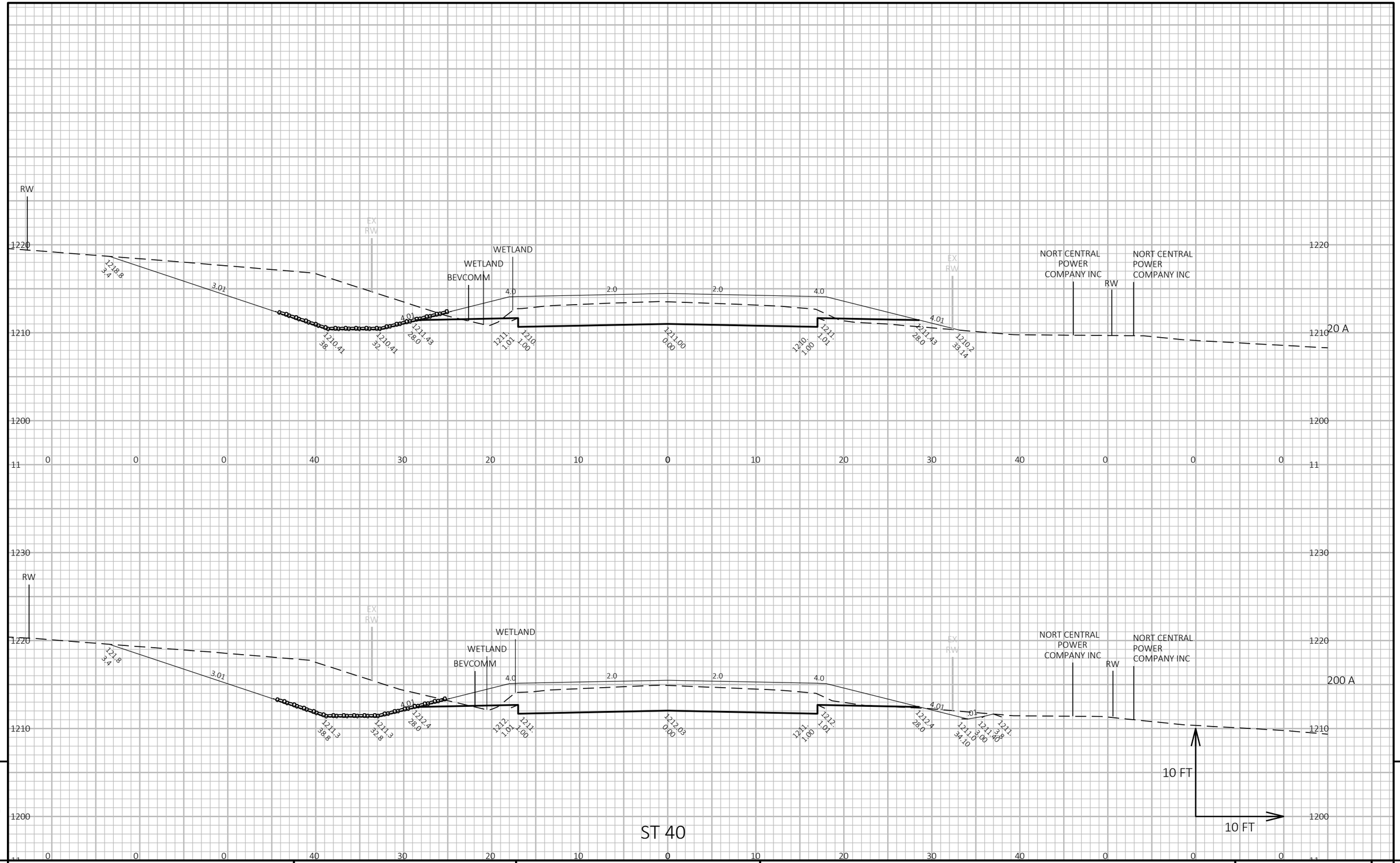
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

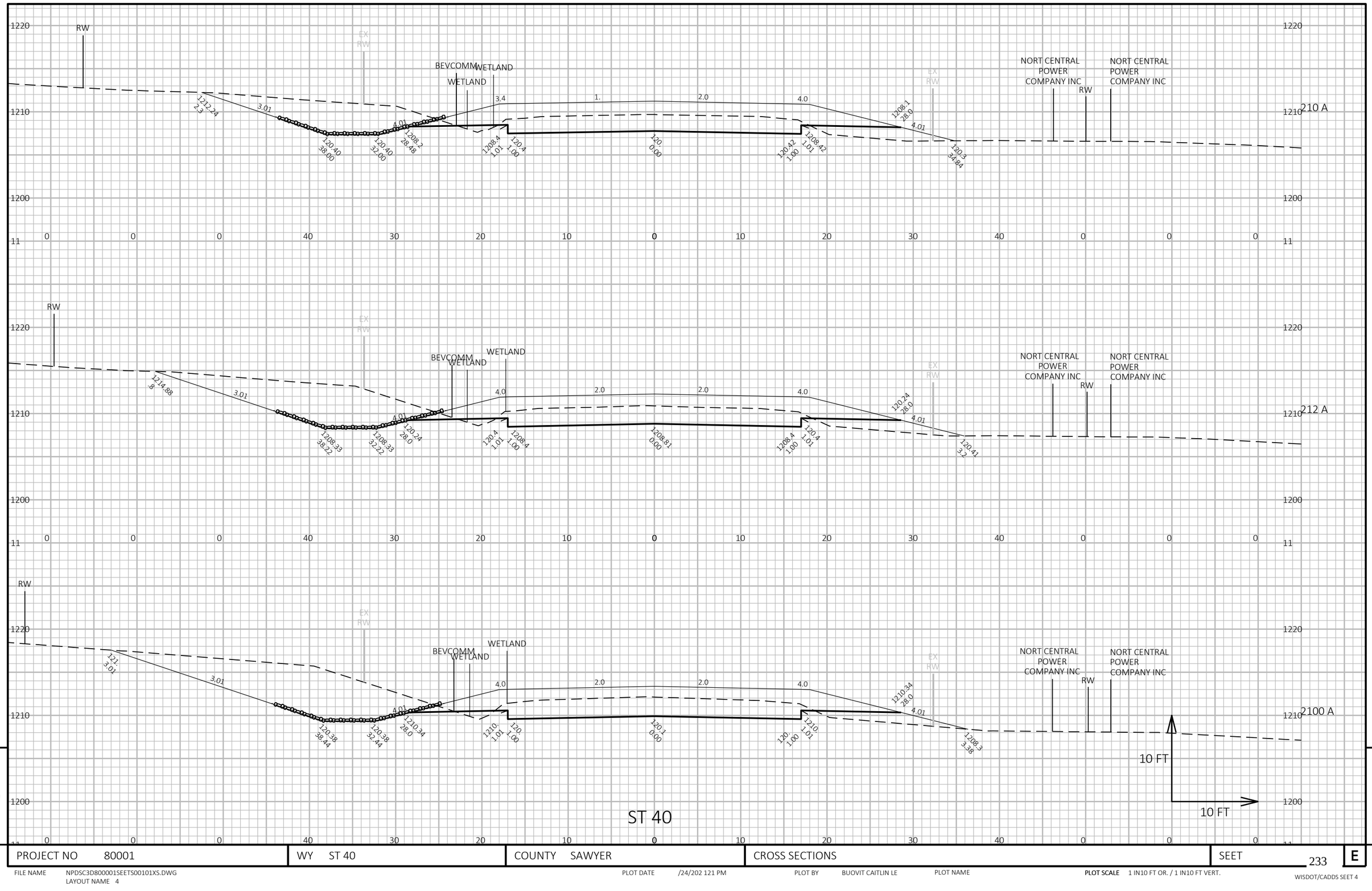
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 232	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 4
PLOT DATE /24/202 121 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4

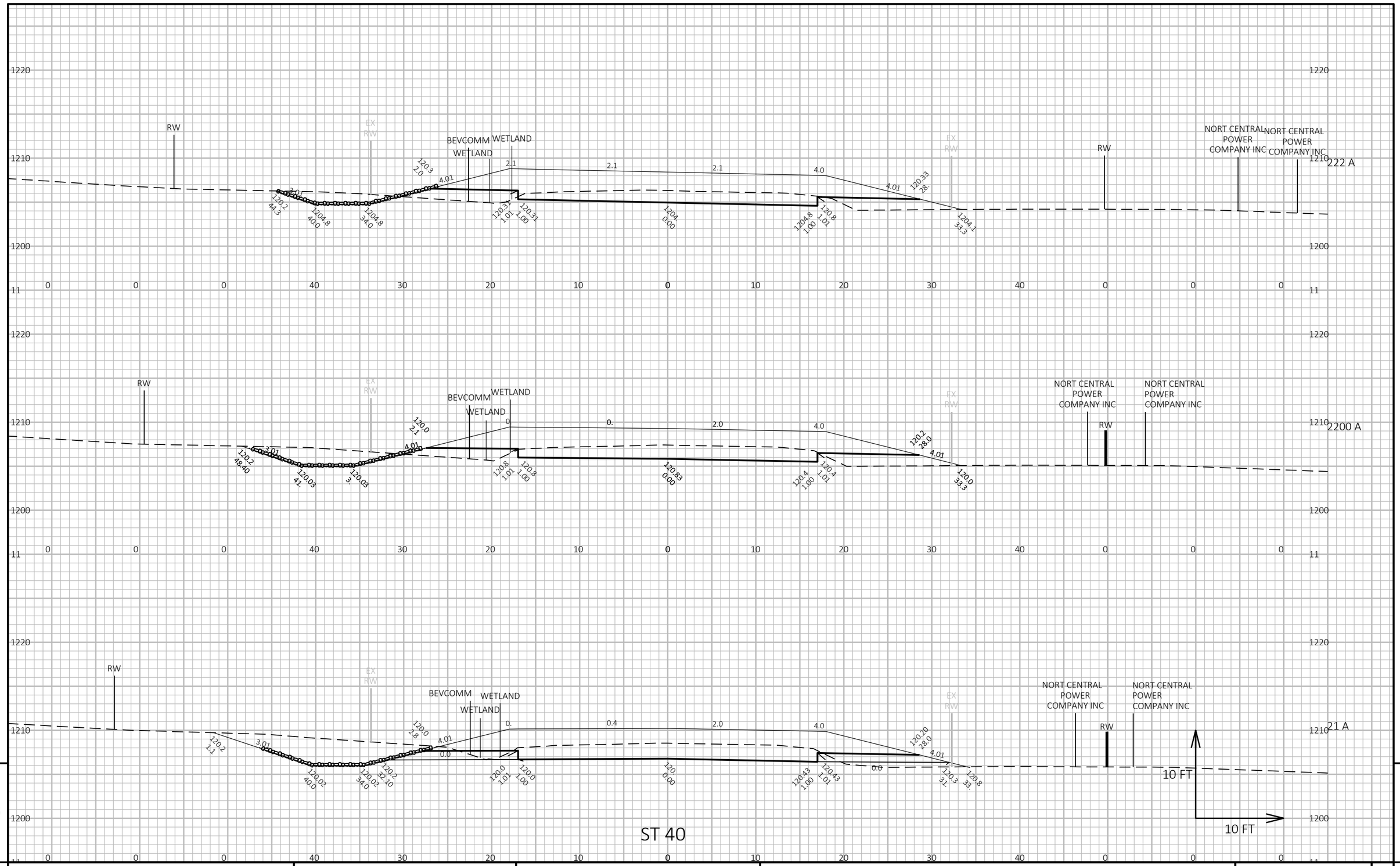


PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 233 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 4

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 234

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 4

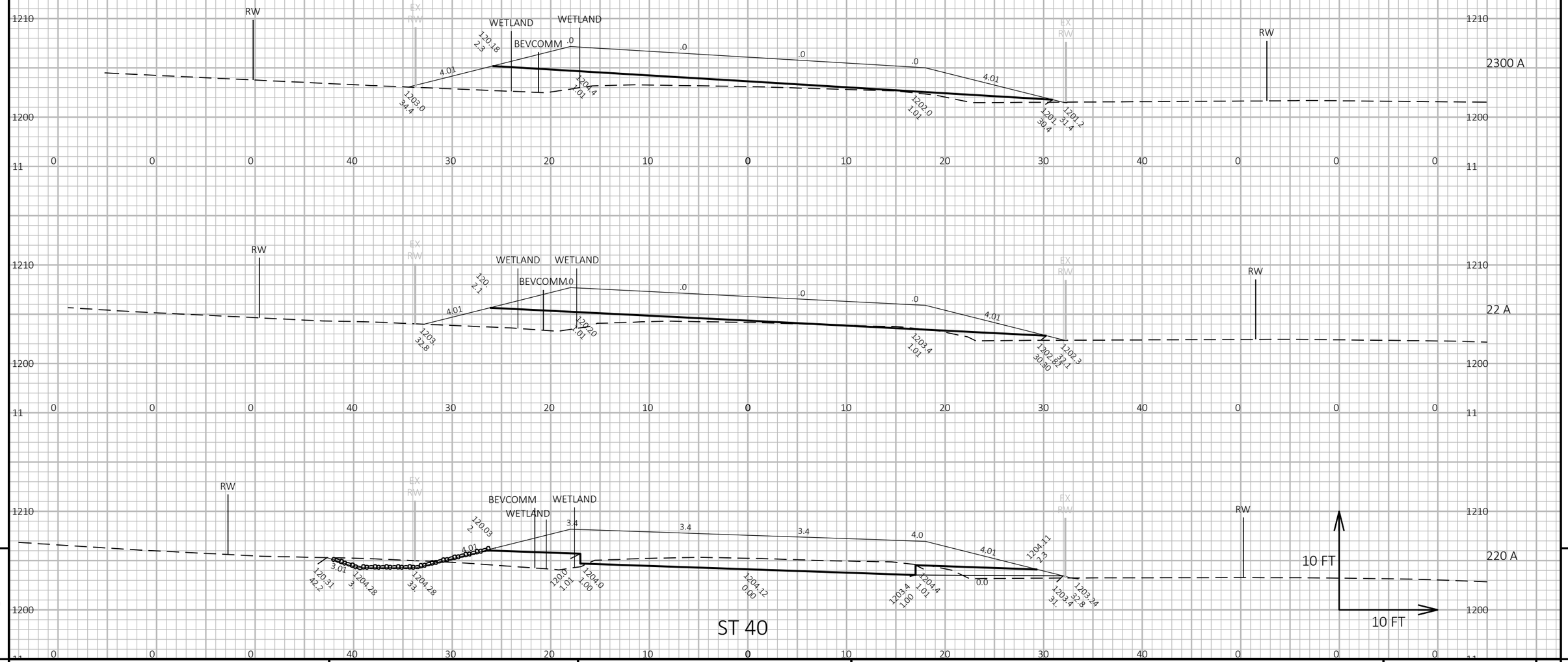
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 235	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 48

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

ST 40

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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 236	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 4

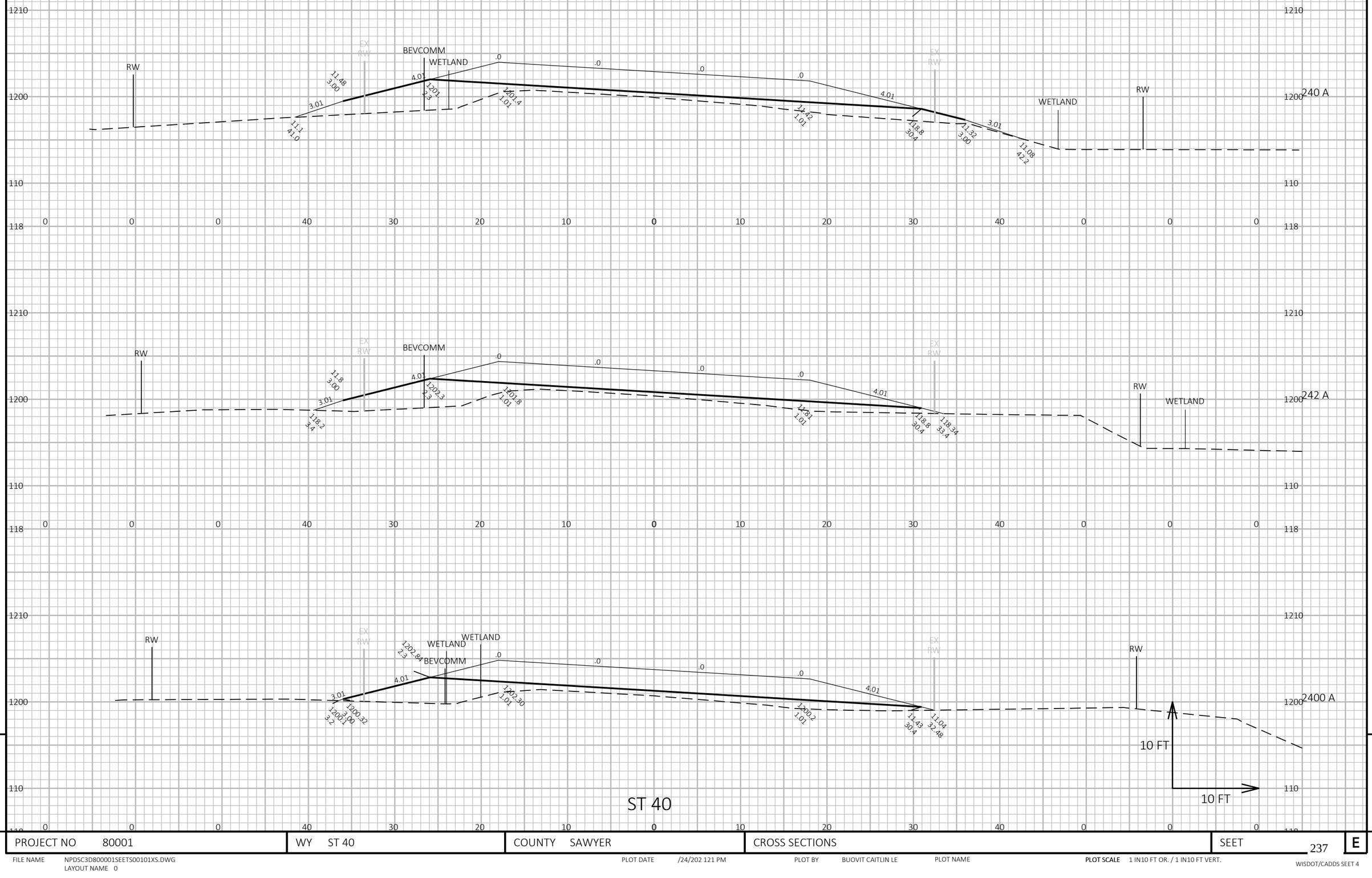
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 237 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

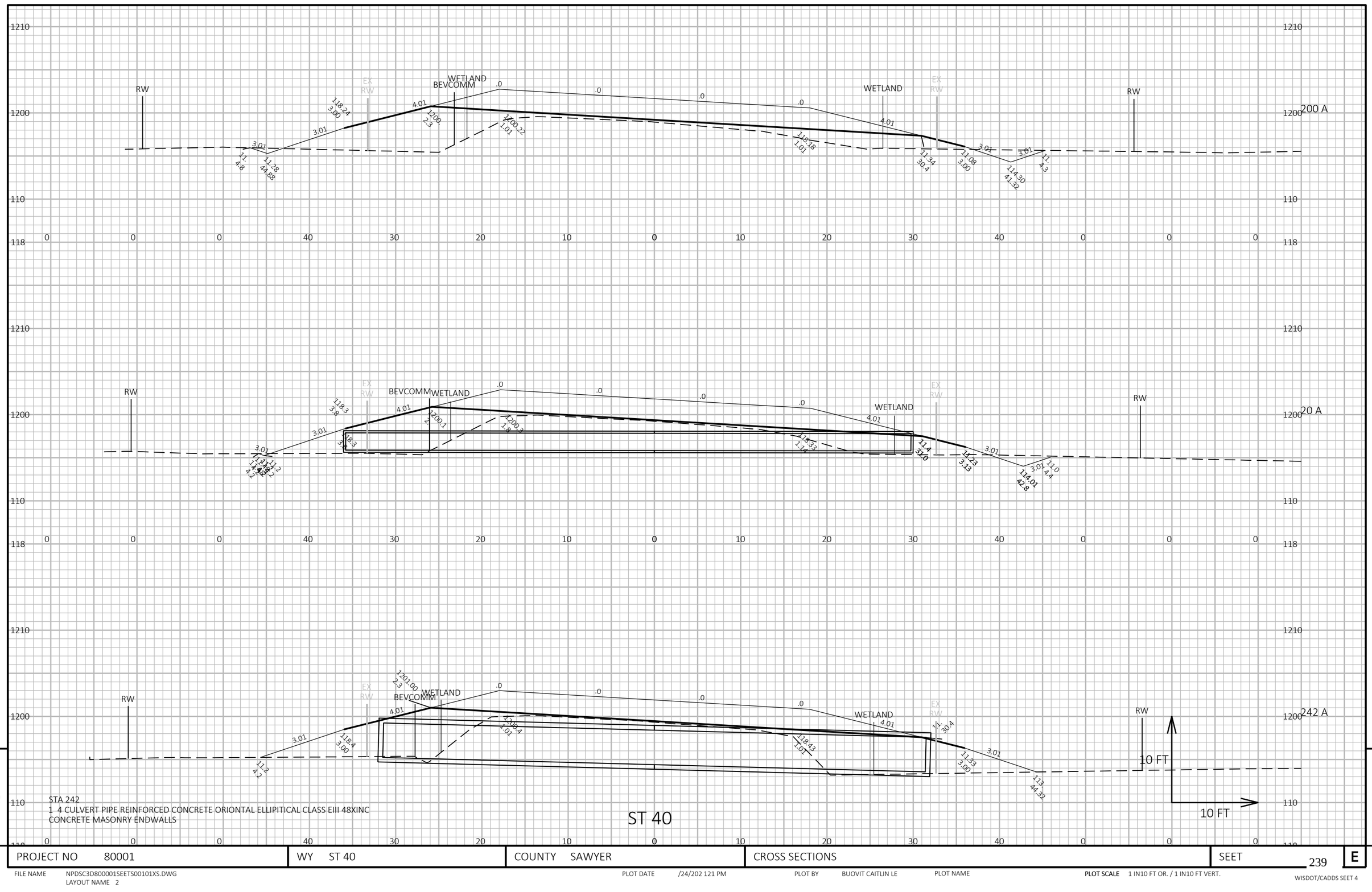
PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

STA 231
1 2 CULVERT PIPE REINFORCED CONCRETE ORIONTAL ELLIPITICAL CLASS EIII 48XINC
CONCRETE MASONRY ENDWALLS

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 238 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1
PLOT DATE /24/202 121 PM
PLOT BY BUOVIT CAITLIN LE
PLOT NAME
PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.
WISDOT/CADDS SEET 4



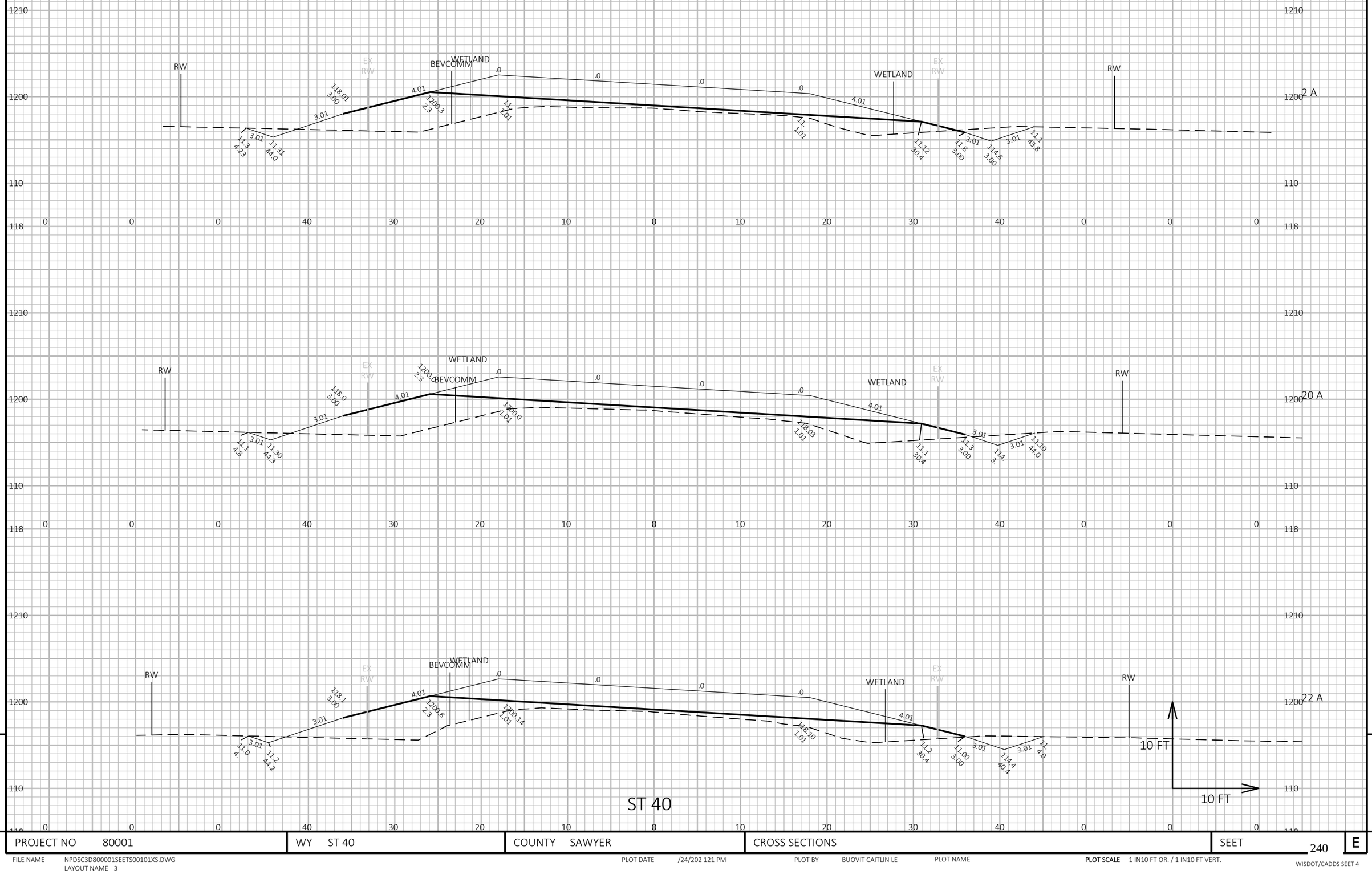
9 9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 239	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



ST 40

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 240	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

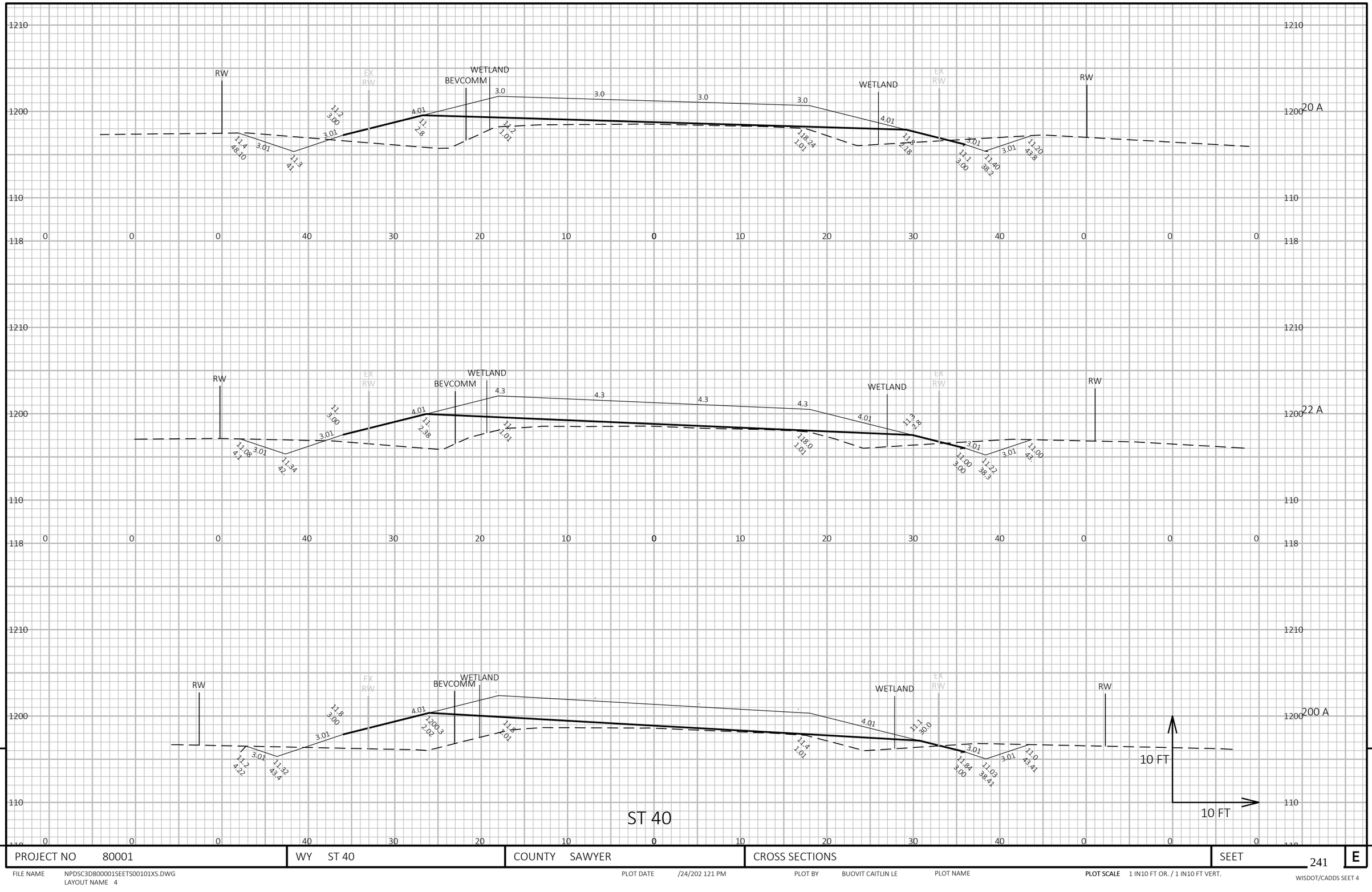
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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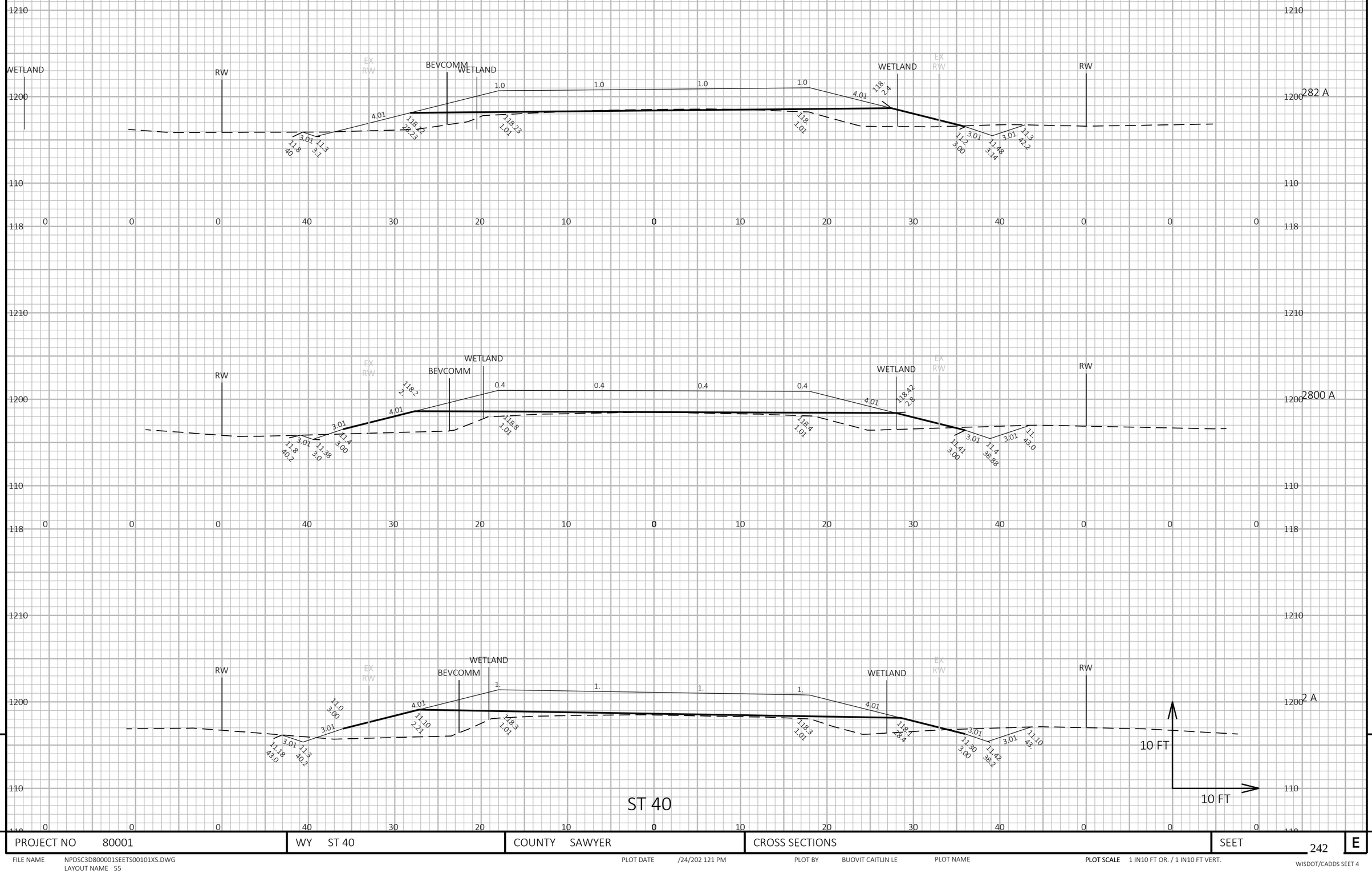
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 241	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 4

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 242	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 55

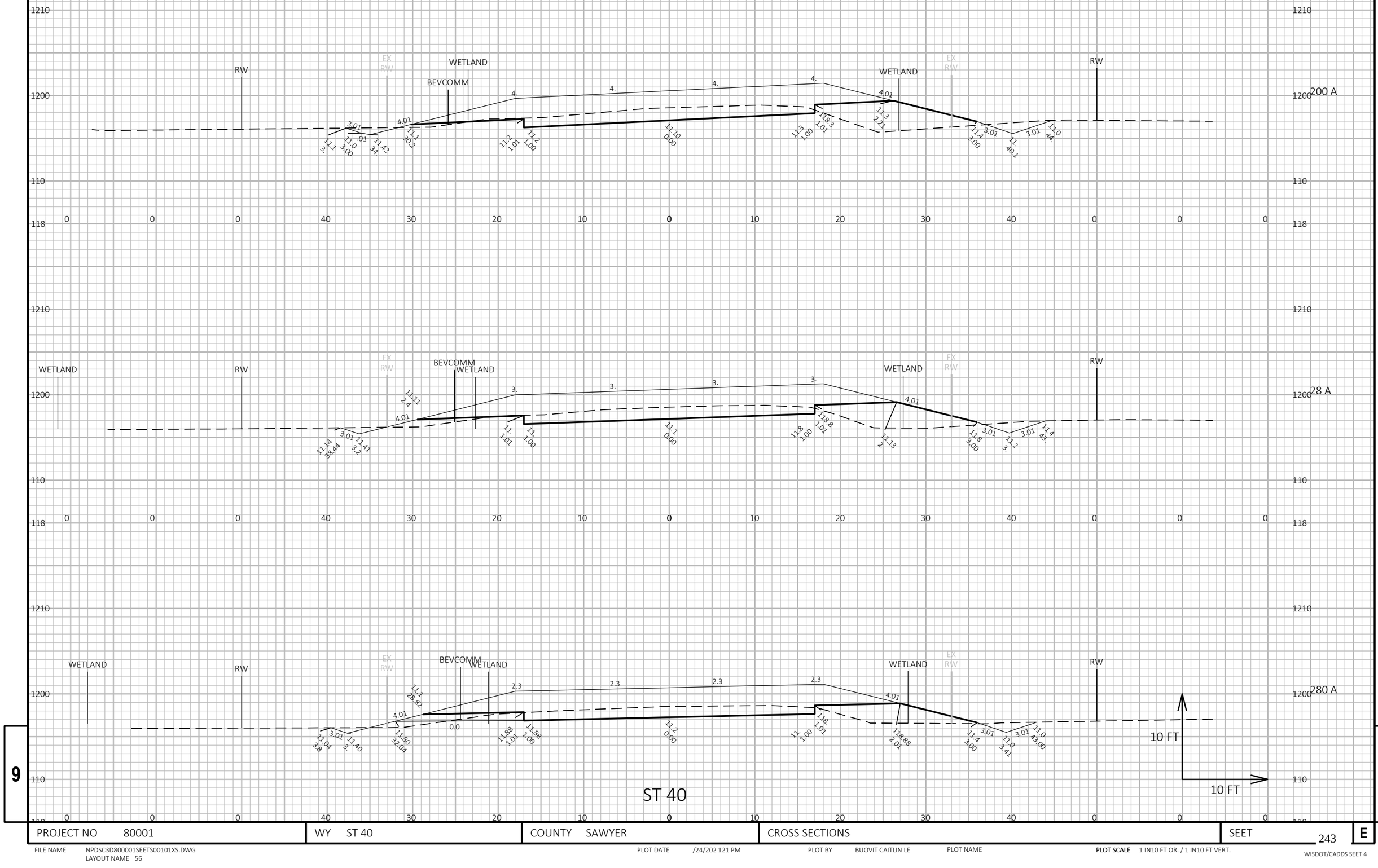
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 243	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 56

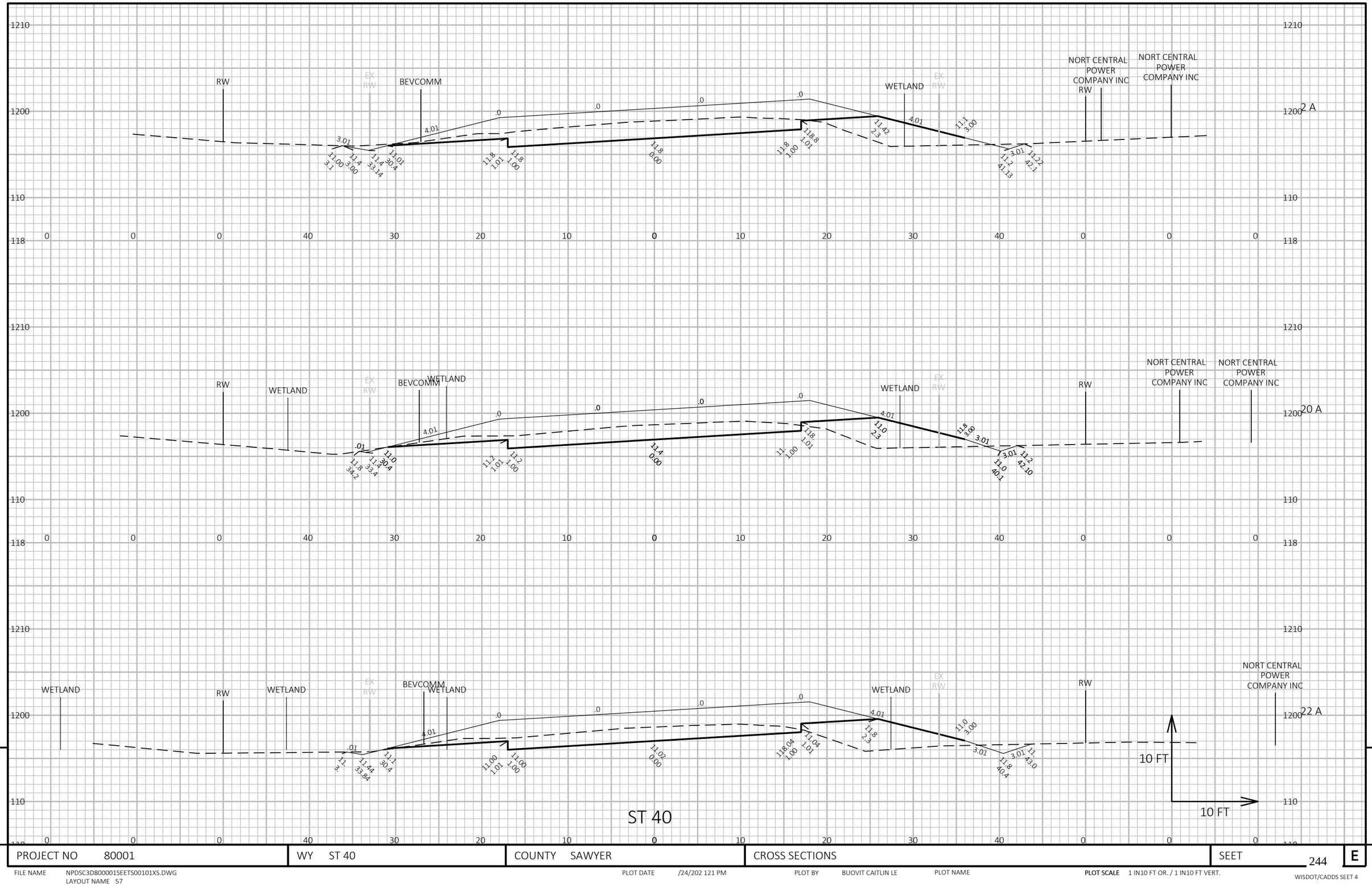
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 244	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 57

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 245

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 8

PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

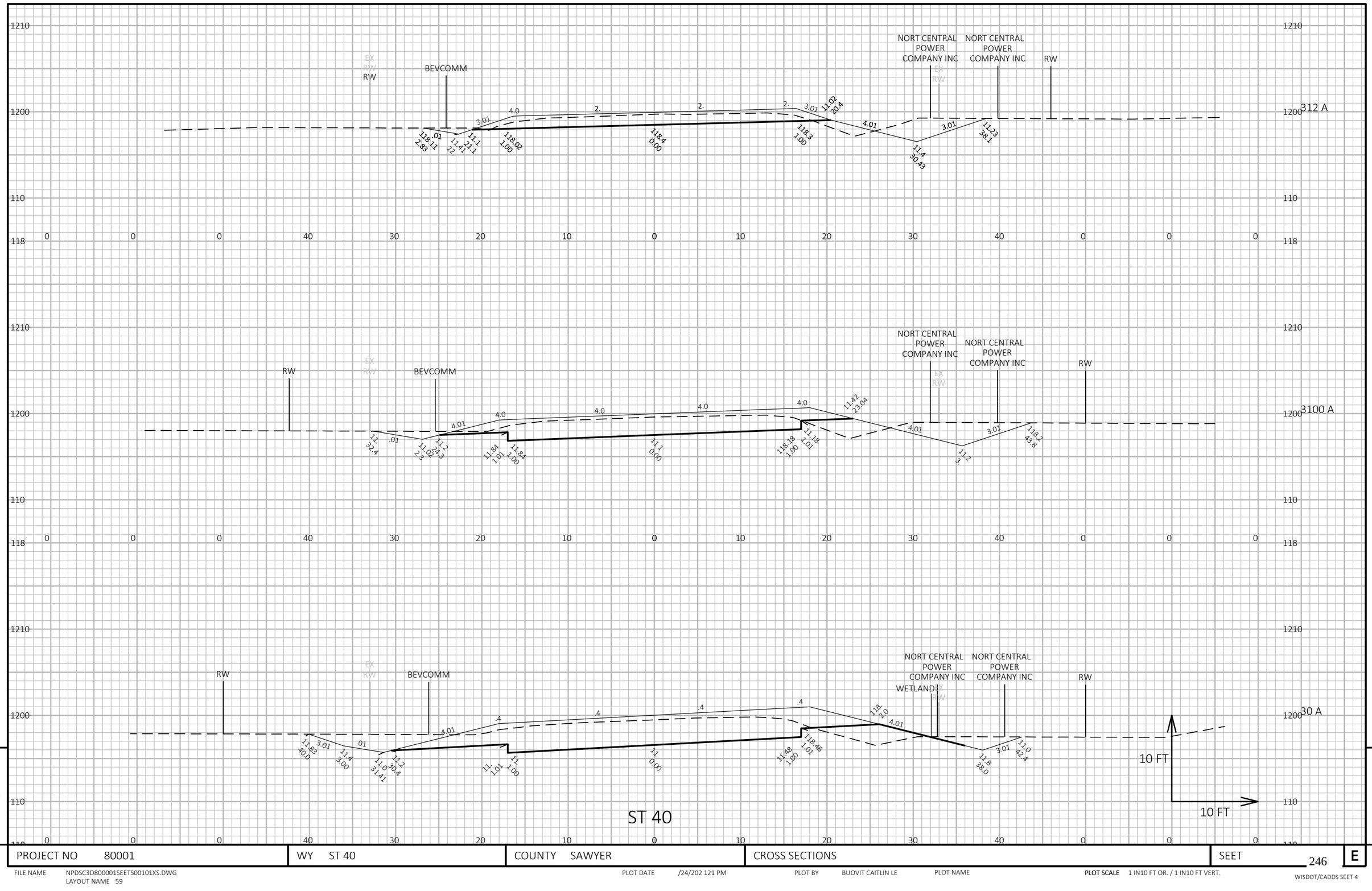
PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

9

E



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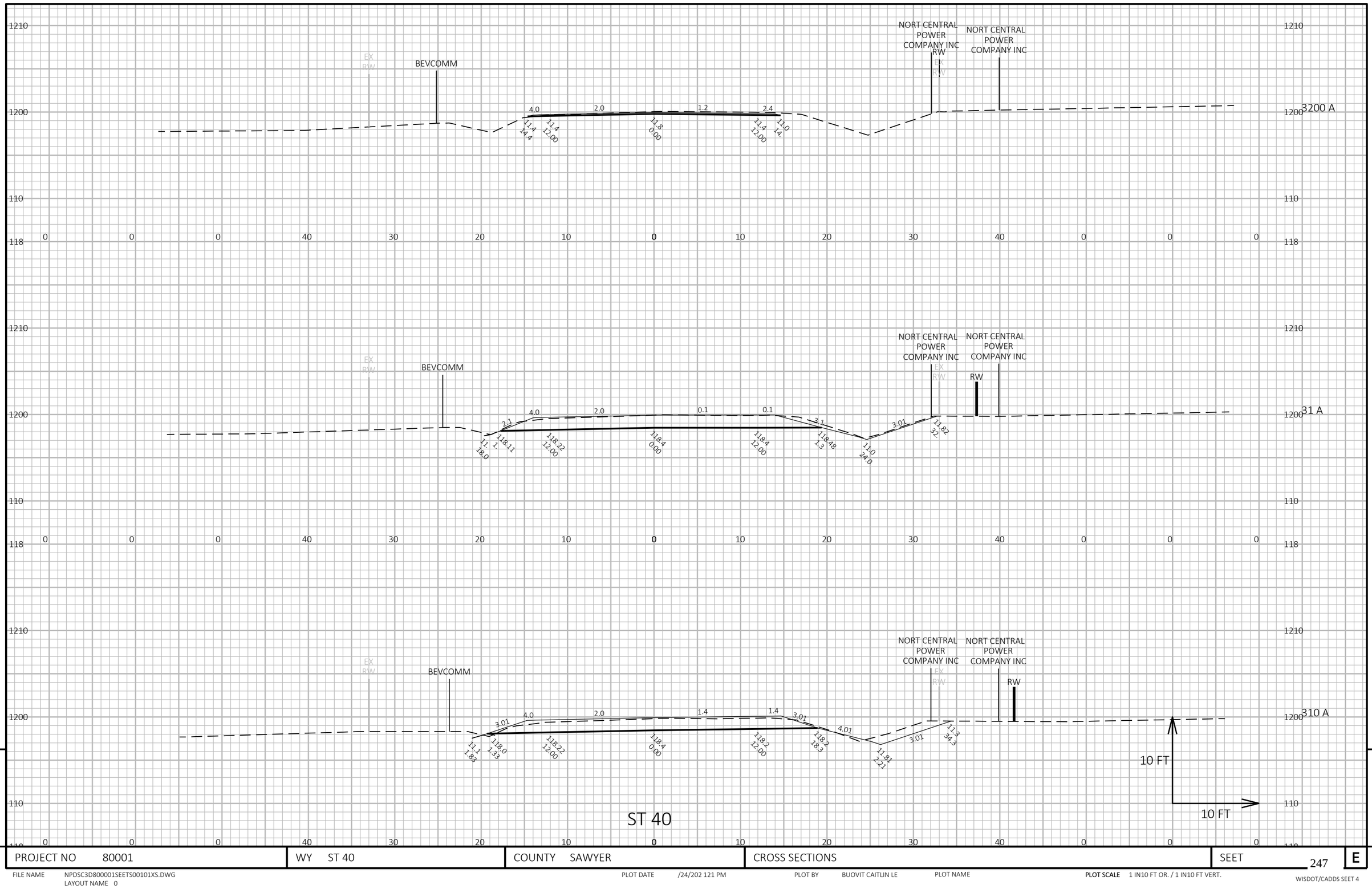
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 246	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 59

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 247	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 0

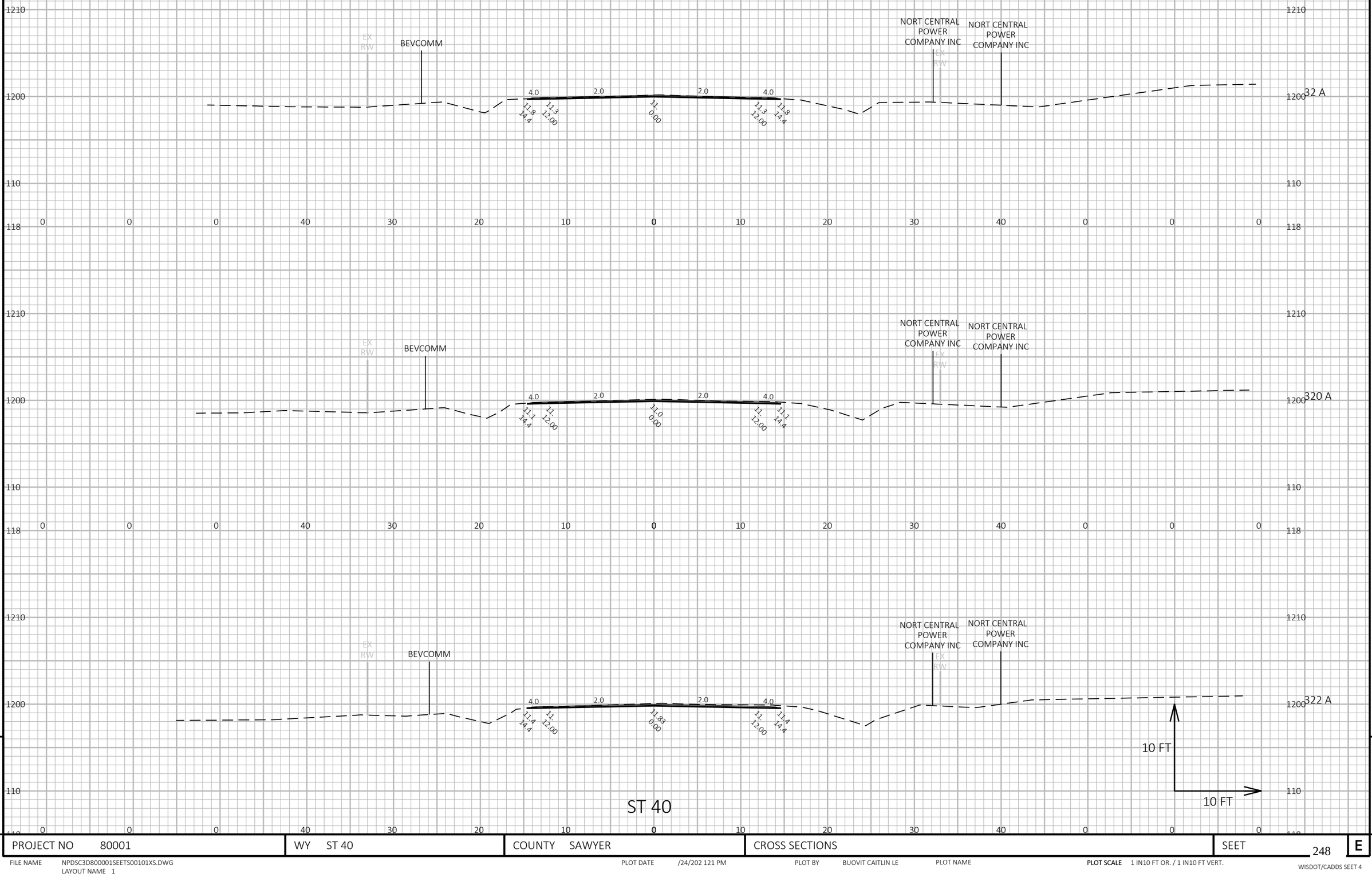
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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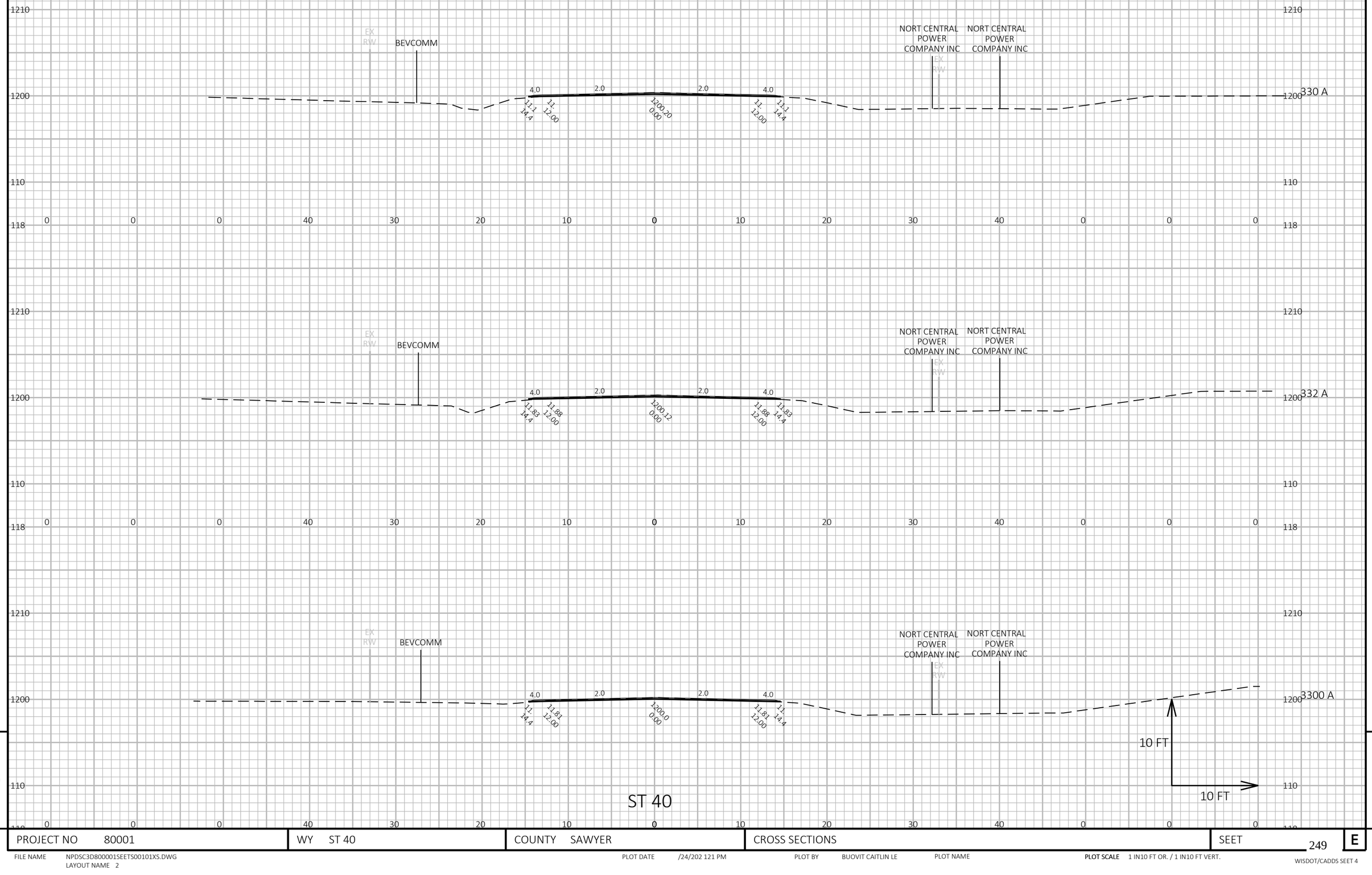
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 248	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 1

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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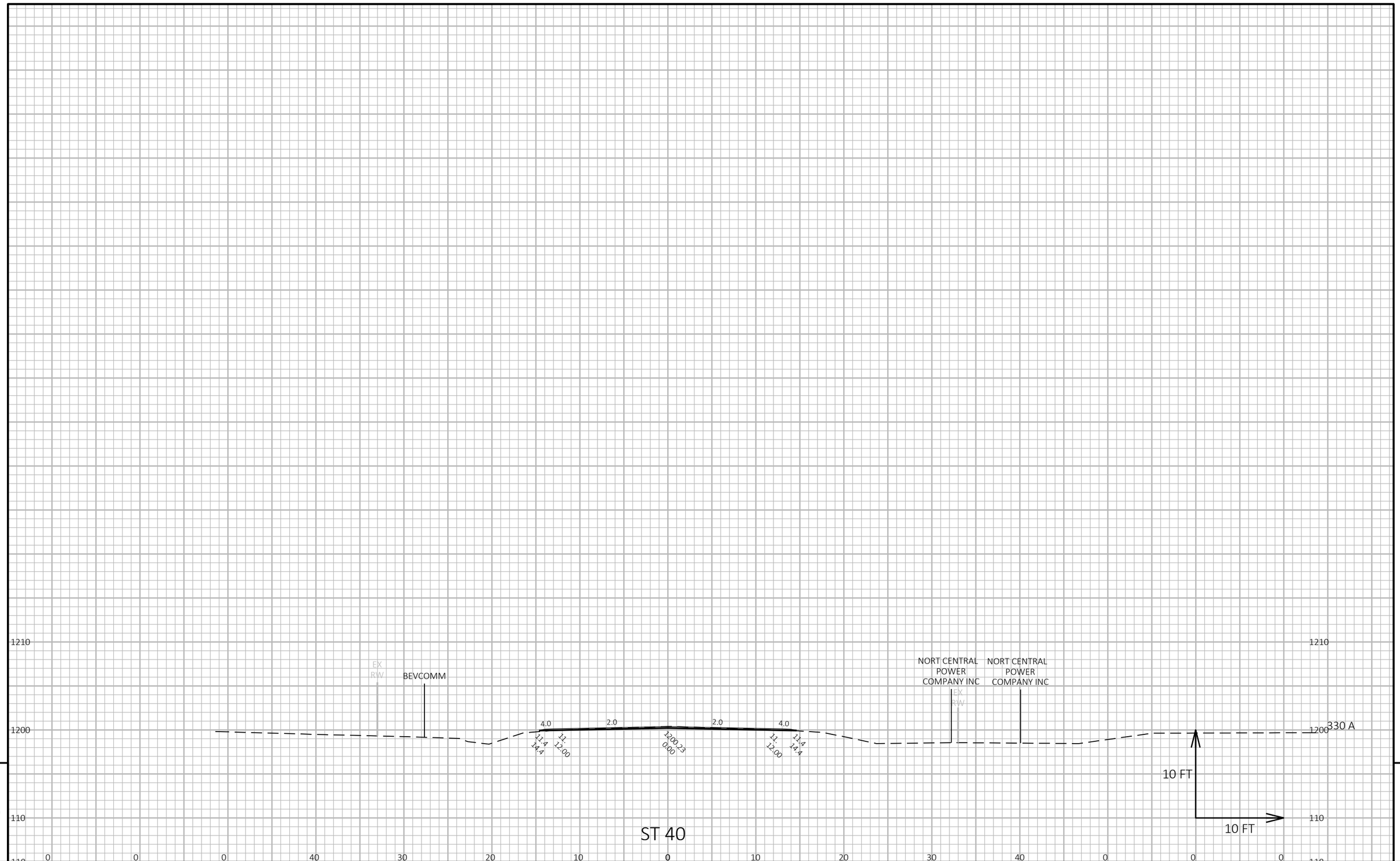
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 249	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 2

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME **PLOT SCALE** 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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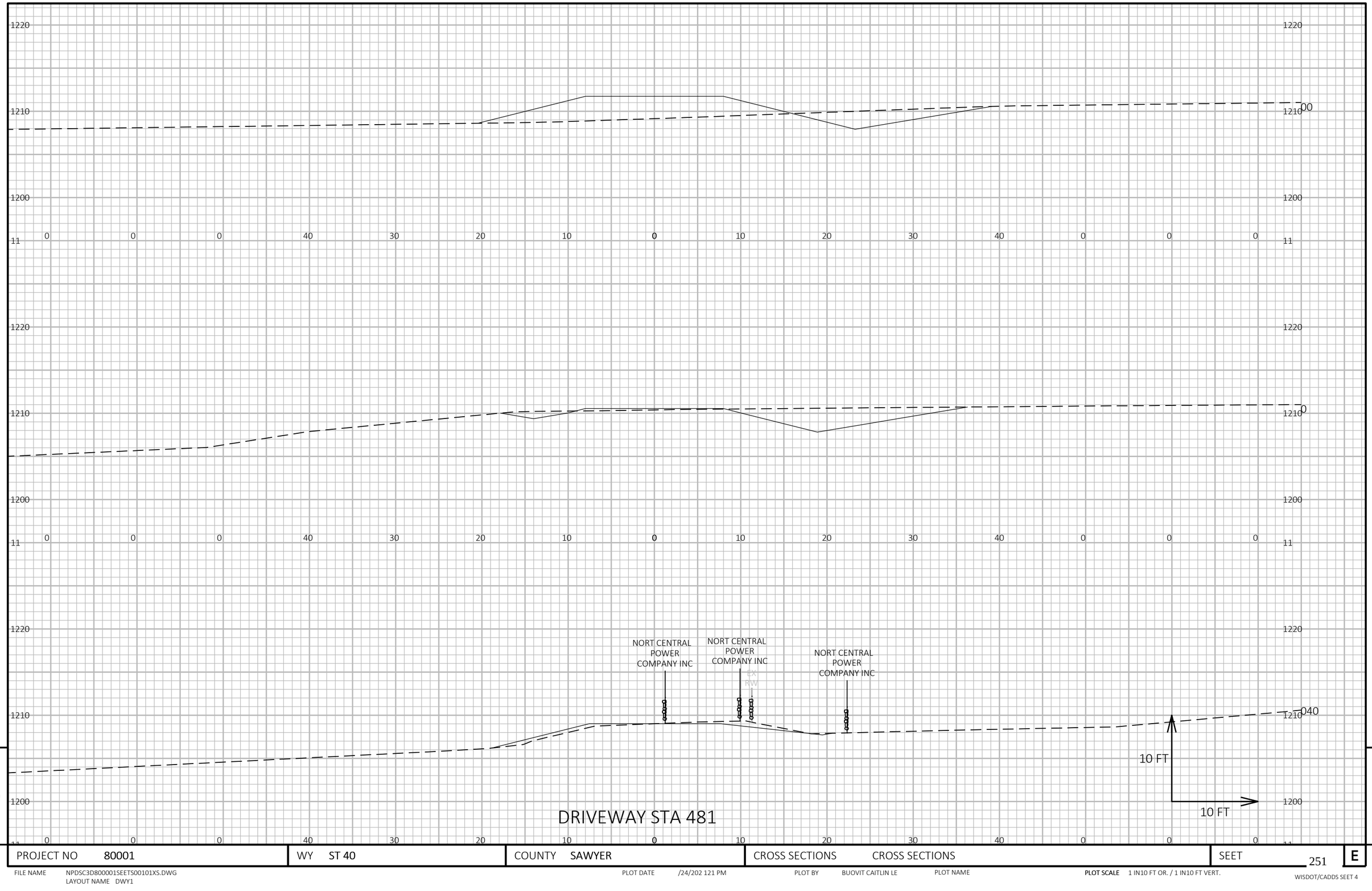
PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS	SEET 250	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME 3

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 481

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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 251	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY1

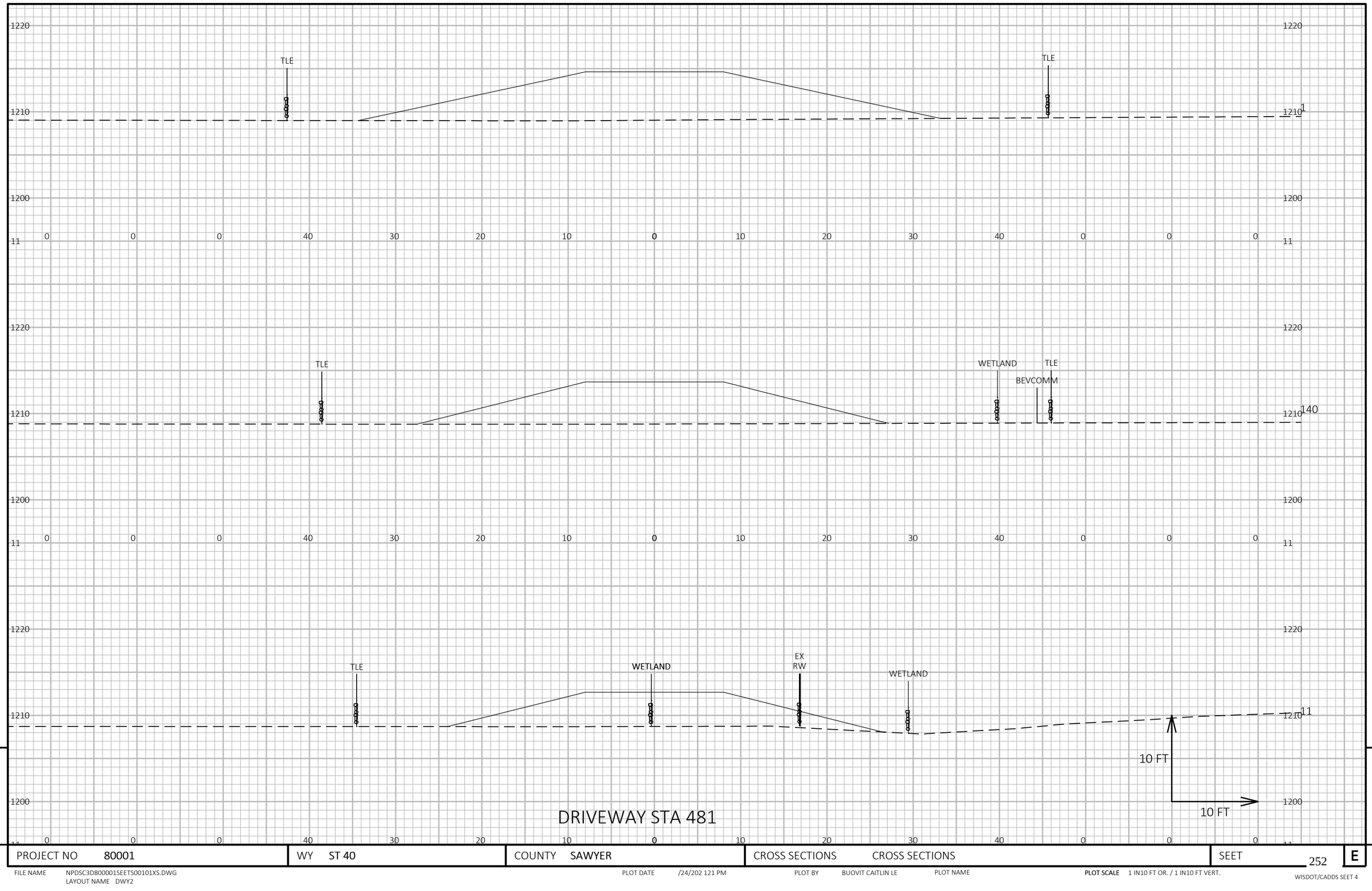
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 481

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 252	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY2

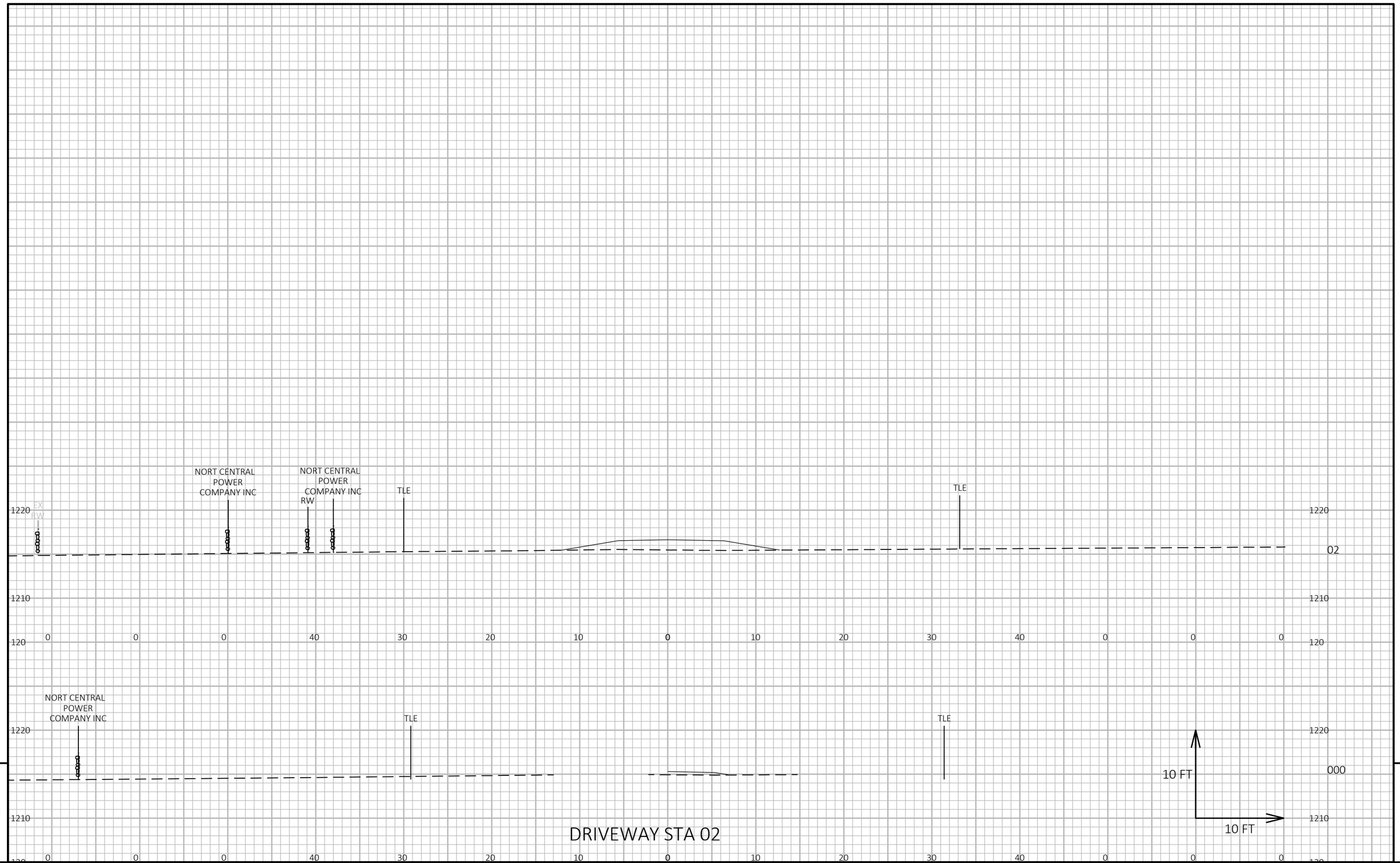
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 02

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9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 253	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY3

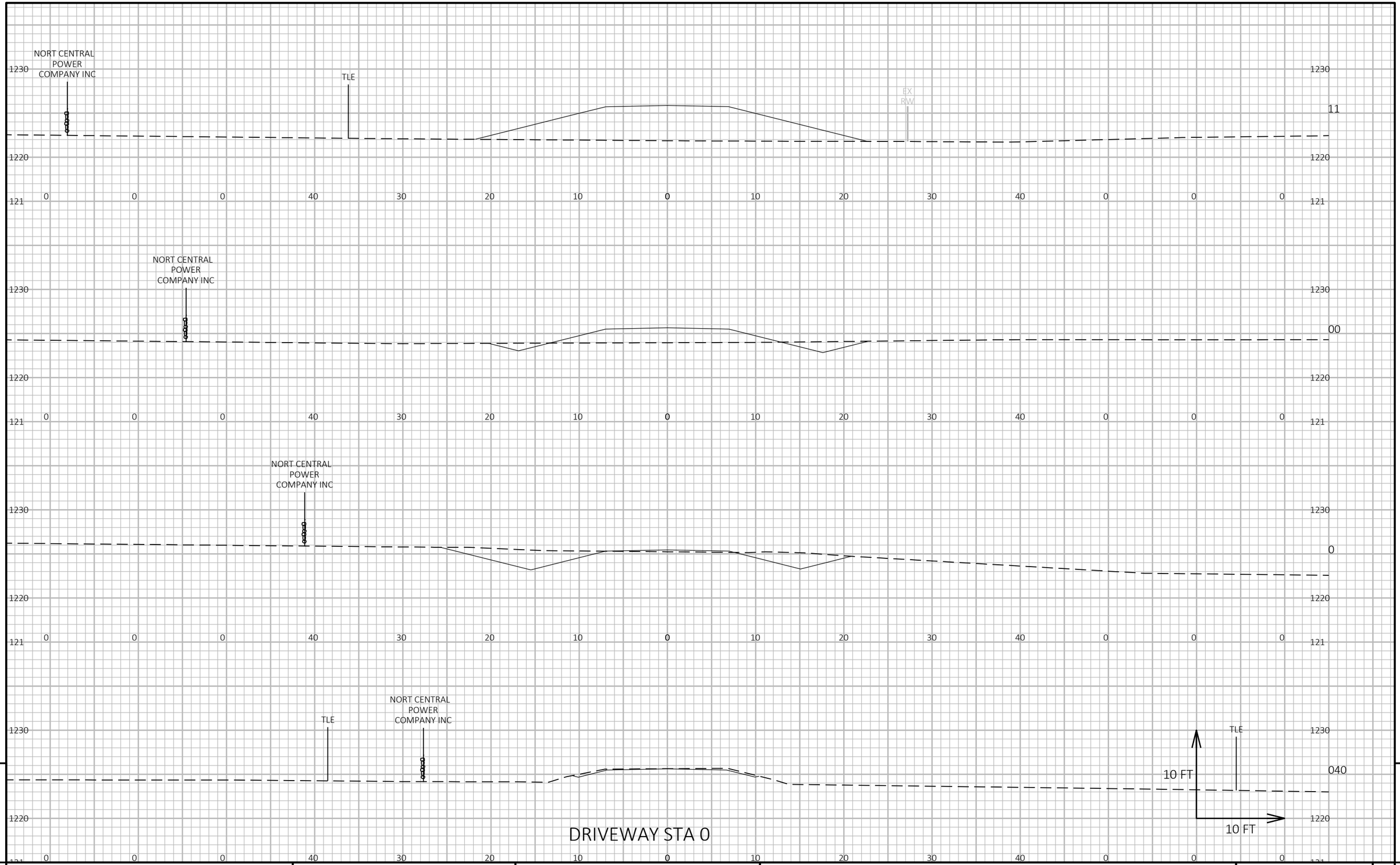
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 254	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY4

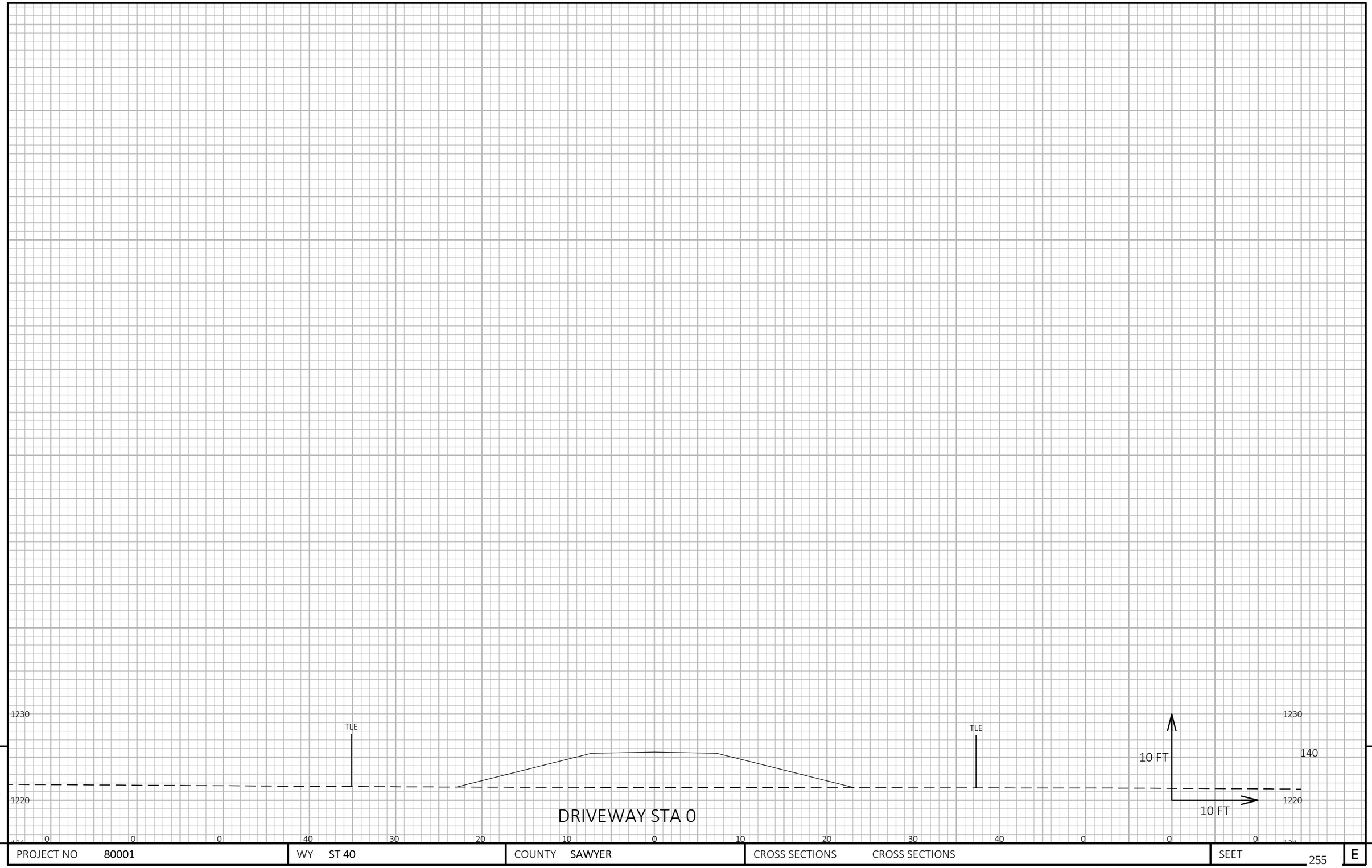
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 255	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY

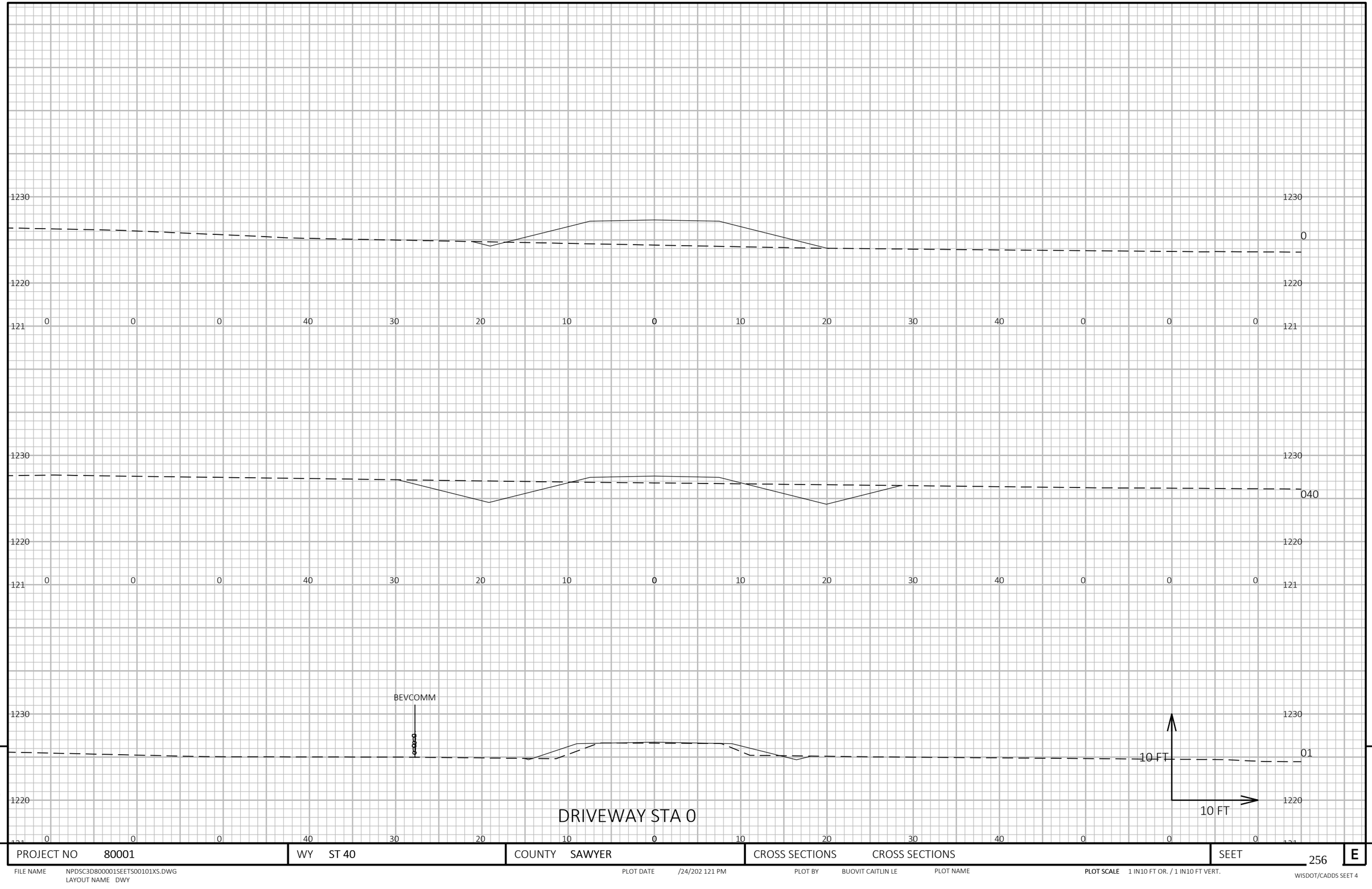
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



DRIVEWAY STA 0

9

9

PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 256	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY

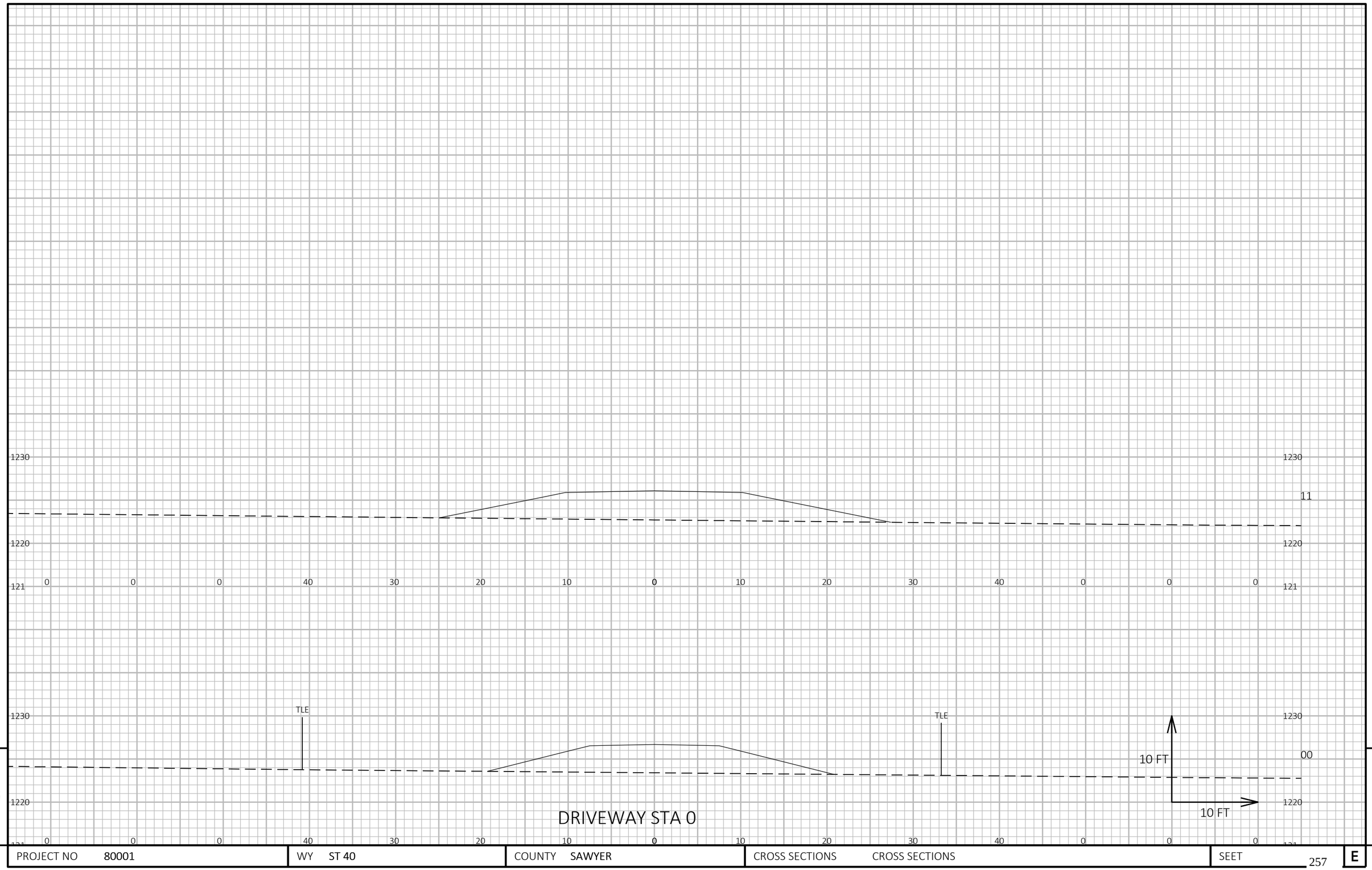
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



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PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 257	E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY

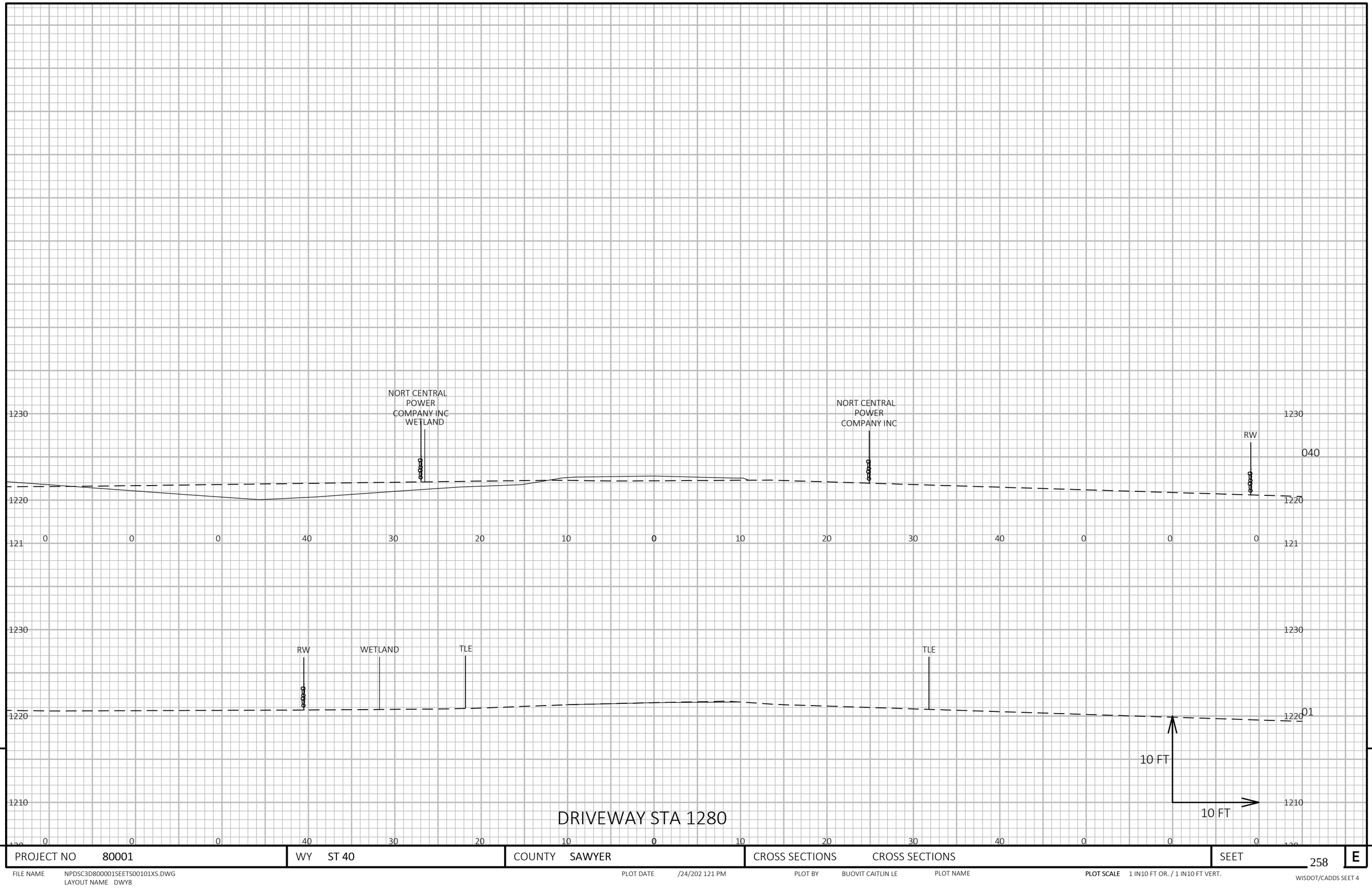
PLOT DATE /24/202 121 PM

PLOT BY BUOVIT CAITLIN LE

PLOT NAME

PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4



PROJECT NO 80001	WY ST 40	COUNTY SAWYER	CROSS SECTIONS CROSS SECTIONS	SEET 258 E

FILE NAME NPDSC3D800001SEETS00101XS.DWG
LAYOUT NAME DWY8

PLOT DATE /24/202 121 PM PLOT BY BUOVIT CAITLIN LE PLOT NAME PLOT SCALE 1 IN10 FT OR. / 1 IN10 FT VERT.

WISDOT/CADDS SEET 4

Notes

Wisconsin Department of Transportation

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