

PROJECT ID: 8140-00-70
WITH:

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 =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF HAYWARD, SOUTH DAKOTA AVENUE

CTH B - USH 63 NAMEKAGON RIVER - RAILROAD STREET RAILROAD STREET INTERSECTION WEST CAROL DRIVE - MICHIGAN AVENUE NAMEKAGON RIVER BRIDGE B-57-0058
STH 27 STH 27 STH 27 STH 27 STH 27
SAWYER COUNTY SAWYER COUNTY SAWYER COUNTY SAWYER COUNTY SAWYER COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8140-00-70		



STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER
8140-00-70	8140-00-73	8140-00-74	8140-00-75	8140-25-71

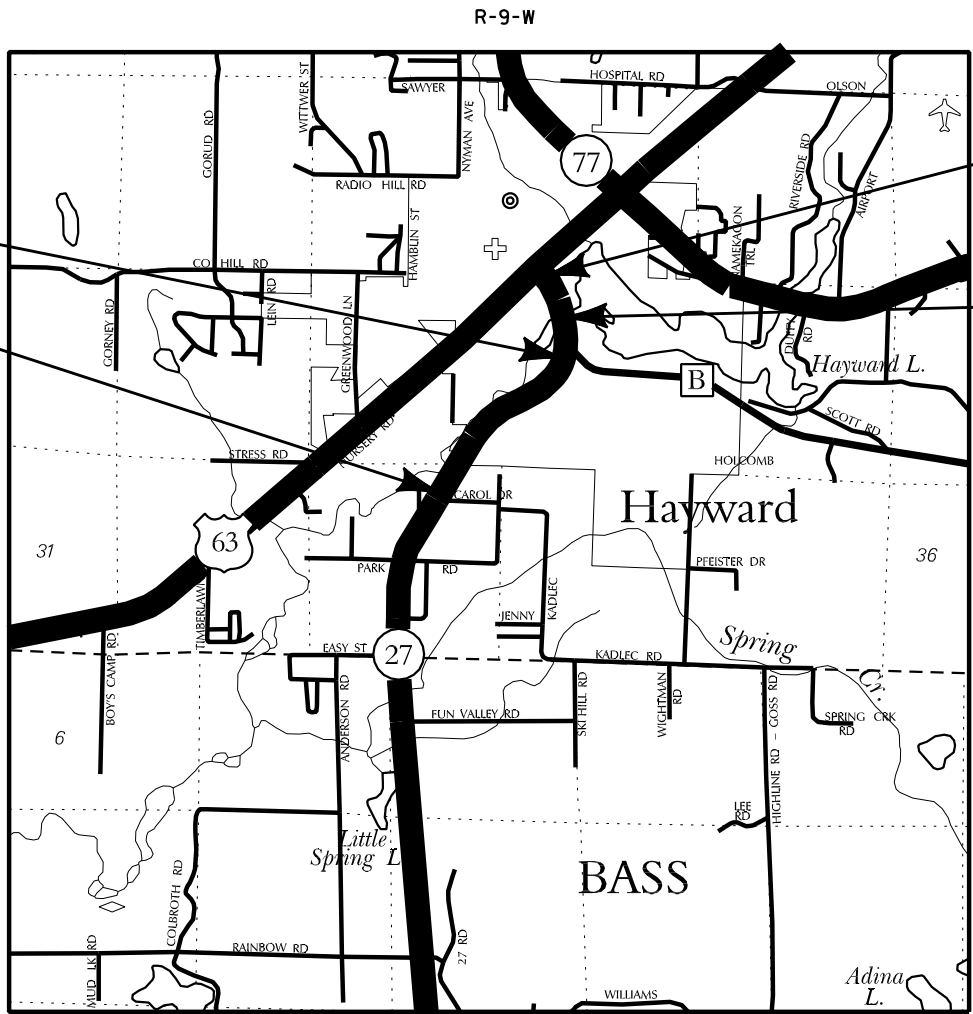
DESIGN DESIGNATION

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

CONVENTIONAL SYMBOLS

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

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	



LAYOUT
SCALE 0 0.5 MI.

TOTAL NET LENGTH OF CENTERLINE (8140-00-70) = 0.543 MI.
TOTAL NET LENGTH OF CENTERLINE (8140-00-73) = 0.000 MI.
TOTAL NET LENGTH OF CENTERLINE (8140-00-74) = 0.000 MI.
TOTAL NET LENGTH OF CENTERLINE (8140-00-75) = 0.883 MI.
TOTAL NET LENGTH OF CENTERLINE (8140-25-71) = 0.000 MI.

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

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES

DATE: _____

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NWBE, INC
Designer	AYRES ASSOCIATES INC
Project Manager	MATTHEW DICKENSON
Regional Examiner	CHRISTINE KOSKI
Regional Supervisor	DAVID OSTROWSKI

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

E

GENERAL NOTES

REMOVALS

1.) NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

DRAINAGE

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

3.) CROSS DRAIN PIPE LOCATIONS AND ELEVATIONS AS SHOWN ON THE CROSS SECTIONS SHEETS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

4.) EXISTING PIPE CULVERT SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR WILL BASE ITS BID ON THE ACTUAL FIELD CONDITIONS.

GRADING/EROSION CONTROL

5.) EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE EARTHWORK. EBS IS MEASURED AND PAID FOR AS EXCAVATION COMMON. EXACT LOCATIONS OF EBS WILL BE DETERMINED BY THE ENGINEER.

6.) SEED, INSTALL EROSION MAT, MULCH AND FERTILIZE ALL SALVAGED TOPSOILED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

7.) SEED MIXTURE NO.20 SHALL BE USED THROUGHOUT THE PROJECT, EXCEPT LAWN AREAS WHERE NO.40 SHALL BE USED AND ALONG WETLANDS AND WATERWAYS WHERE NO.70 SHALL BE USED.

8.) DISTURBED AREAS SHALL BE FERTILIZED, SEEDED AND MULCHED OR FERTILIZED AND SODDED AS DIRECTED BY THE ENGINEER.

9.) THE LOCATIONS OF ROCK AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE ADDITIONAL AREAS OF ROCK THAT ARE NOT SHOWN.

MISCELLANEOUS

10.) A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

11.) EXACT LOCATION OF ALL DRIVEWAY ENTRANCES TO BE REVIEWED AND APPROVED BY THE ENGINEER.

12.) THE LOCATION 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.

13.) STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

14.) TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

15.) TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.07 GAL./S.Y. AND SHALL BE PLACED BETWEEN THE LAYERS OF ASPHALTIC PAVEMENT.

16.) HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 110 LB/SY/IN.

17.) CURVE DATA IS BASED ON THE RADIUS DEFINITION.

18.) ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, 1991 ADJUSTMENT - NAVD88 (1991).

ORDER OF SECTION 2 SHEETS

TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER PLAN
PERMANENT SIGNING AND PAVEMENT MARKING
DETOUR ROUTE

DESIGN NOTE:
ADD EROSION CONTROL AND
STORM SEWER PLAN
POST-60% SUBMITTAL.

DESIGN CONTACT

AYRES ASSOCIATES
3433 OAKWOOD HILLS PARKWAY
EAU CLAIRE, WI 54701
ATTN: JEFF ABRAMSON, PE
abramsonj@ayresassociates.com
(715) 834-3161

DNR CONTACT

DNR NORTHERN REGION HQ
810 WEST MAPLE STREET
SPOONER, WI 54801
ATTN: SHAWN HASELEU
shawn.haseleu@wisconsin.gov
(715) 635-4228

UTILITIES

CHARTER COMMUNICATIONS -
COMMUNICATION LINE
2304 SOUTH MAIN STREET
RICE LAKE, WI 54868
ATTN: TOM HAASE
tom.haase@charter.com
(715) 719-0564

CENTURYLINK - COMMUNICATION LINE
20 SOUTH WILSON AVENUE
RICE LAKE, WI 54868
ATTN: MONTY PARKER
monty.parker@centurylink.com
(715) 234-5528

NORVADO - COMMUNICATION LINE
43750 USH 63
PO BOX 67
CABLE, WI 54821
ATTN: STEVEN FORSMAN
(715) 798-3303

WE ENERGIES - GAS/PETROLEUM
333 WEST EVERETT STREET, RM A299
MILWAUKEE, WI 53203
ATTN: LATROY BRUMFIELD
latroy.brumfield@we-energies.com
(414) 221-5617

* CITY OF HAYWARD
WATERWORKS & SEWER - WATER
PO BOX 969
HAYWARD, WI 54843-0969

XCEL ENERGY - ELECTRICITY
1414 WEST HAMILTON AVENUE
PO BOX 8
EAU CLAIRE, WI 54702-0008
ATTN: DAWN SCHULTZ
dawn.schultz@xcelenergy.com
(715) 737-2482

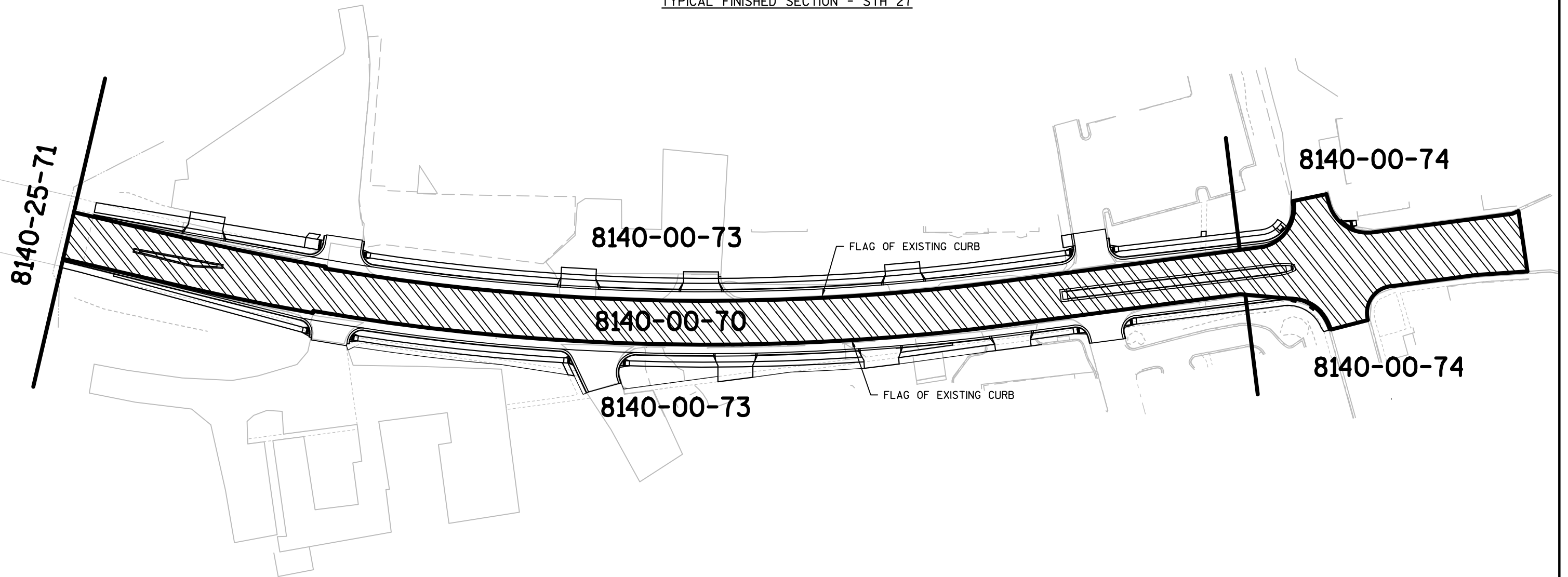
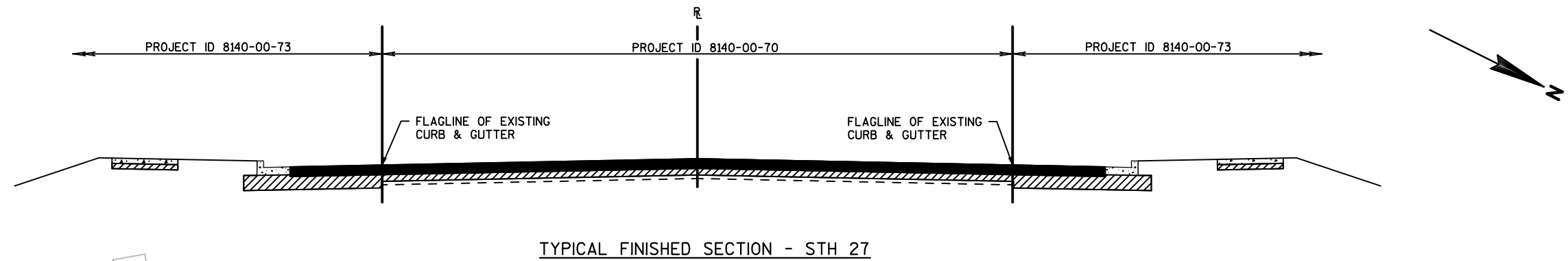
XCEL ENERGY - TRANSMISSION
1414 WEST HAMILTON AVENUE
PO BOX 8
EAU CLAIRE, WI 54702-0008
ATTN: DAWN SCHULTZ
dawn.schultz@xcelenergy.com
(715) 737-2482

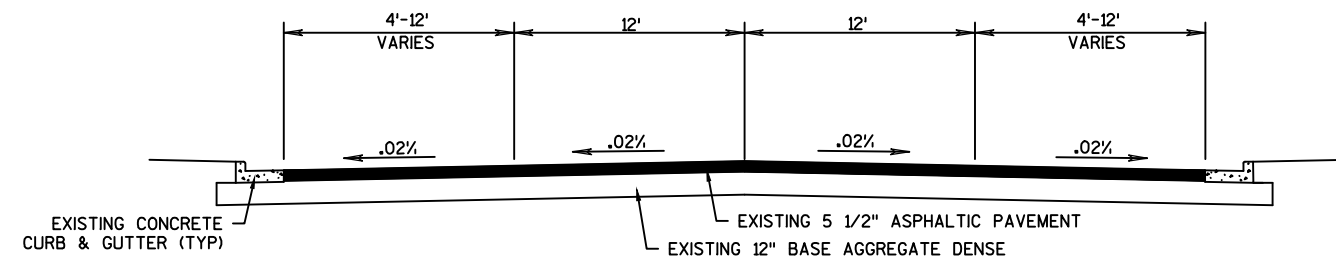
*DENOTES UTILITIES THAT ARE NOT
DIGGERS HOTLINE MEMBERS

DIGGERSHOTLINE

Dial 811 or (800)242-8511

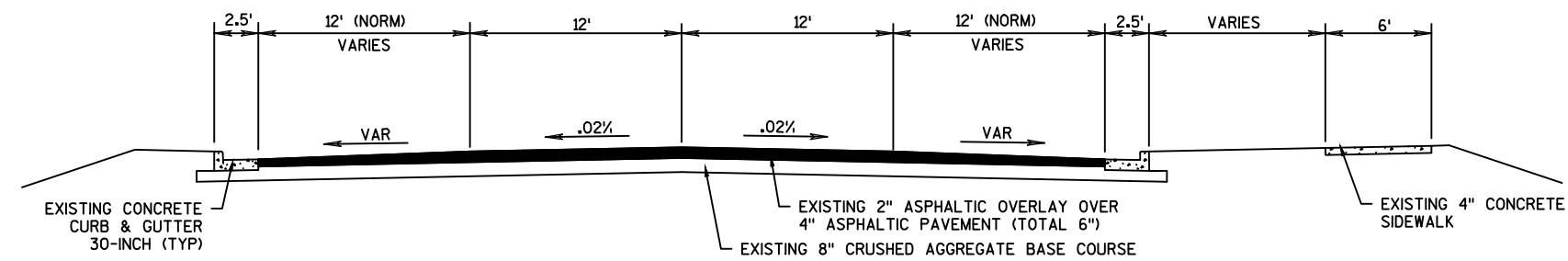
www.DiggersHotline.com





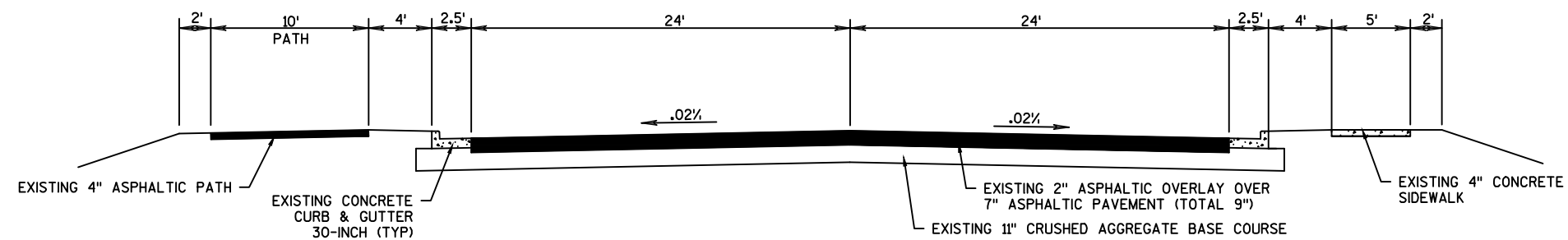
EXISTING TYPICAL SECTION - STH 27

STA 445+40.00 - STA 449+04.00



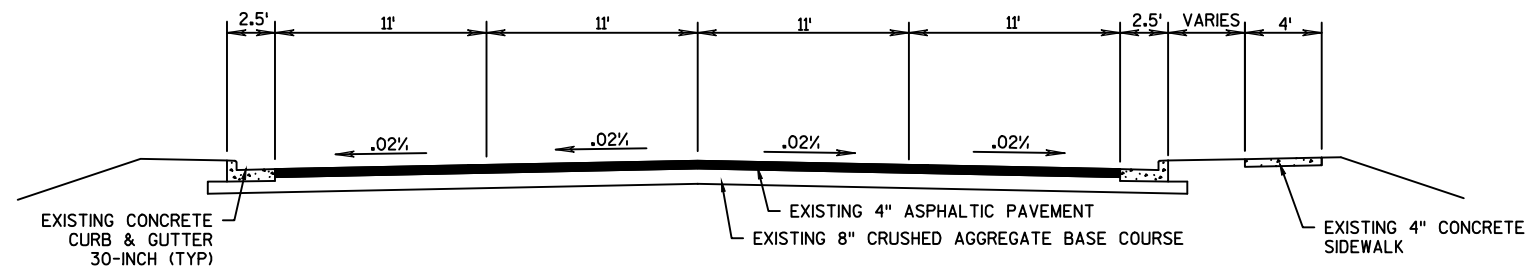
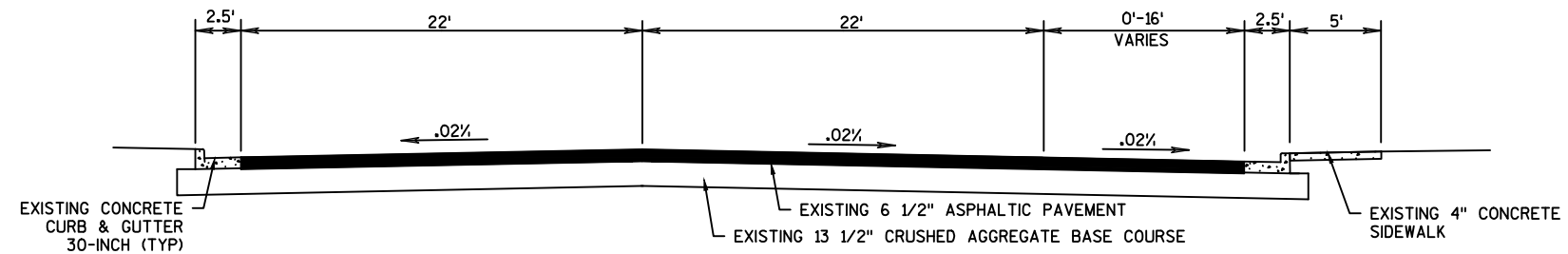
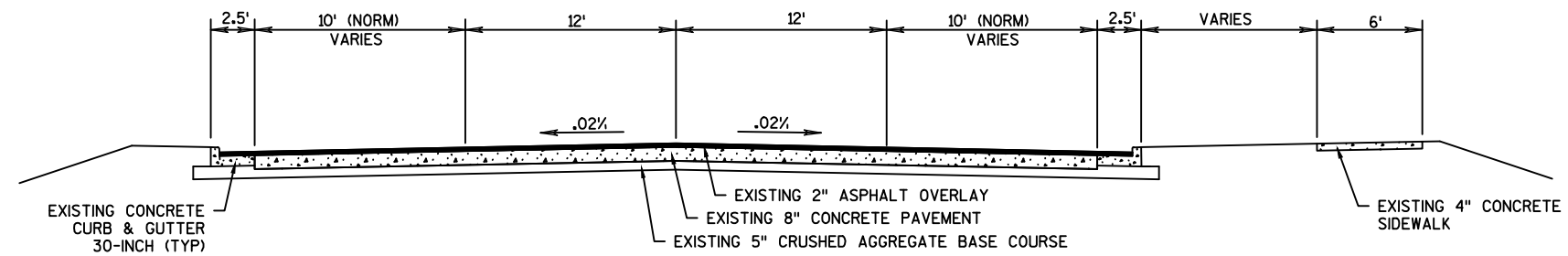
EXISTING TYPICAL SECTION - STH 27

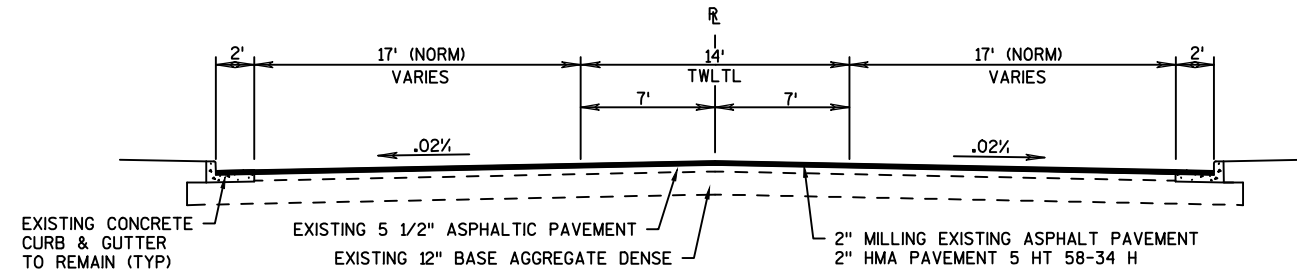
STA 449+04.00 - STA 498+00.00



EXISTING TYPICAL SECTION - STH 27

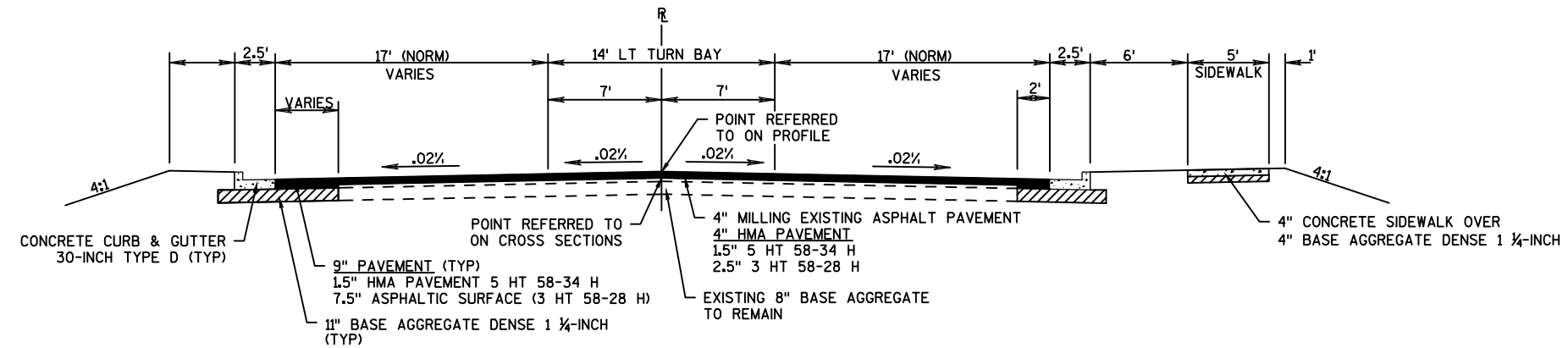
STA 498+00.00 - STA 506+50.00



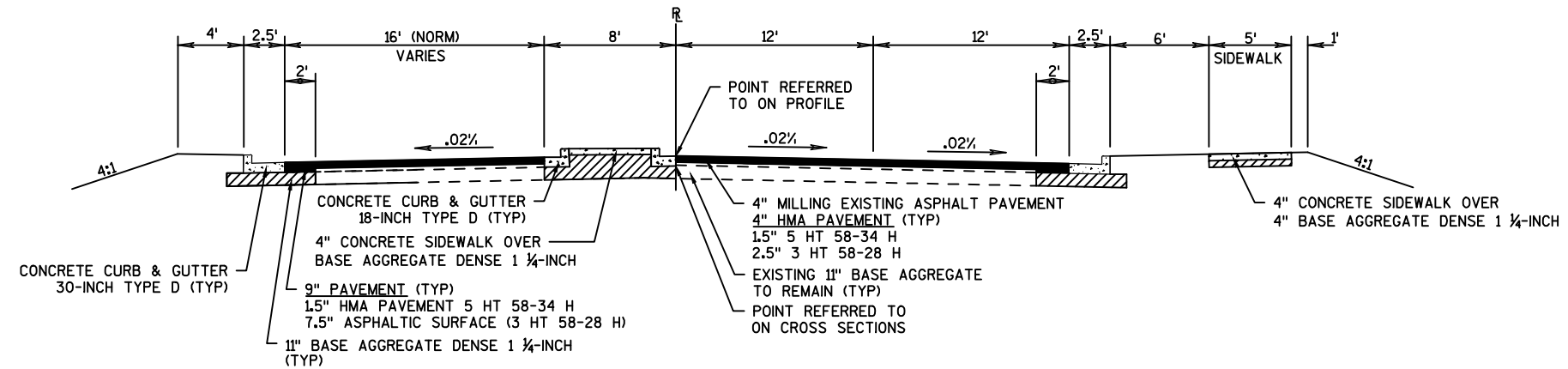


FINISHED TYPICAL SECTION - STH 27
STA 445+40.00 - STA 492+00.00

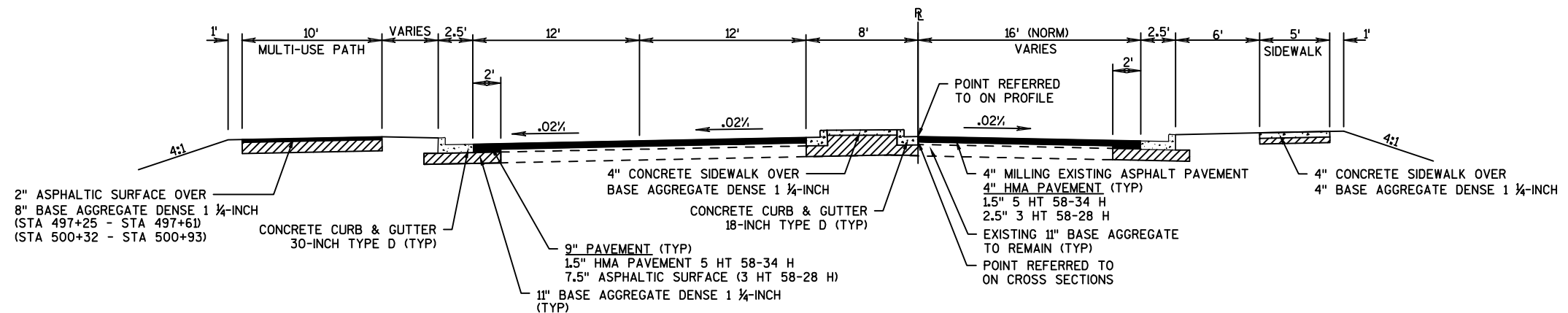
DESIGN NOTE:
DETERMINE IF SPECIAL BID
ITEM IS REQUIRED FOR
MILLING GUTTER.



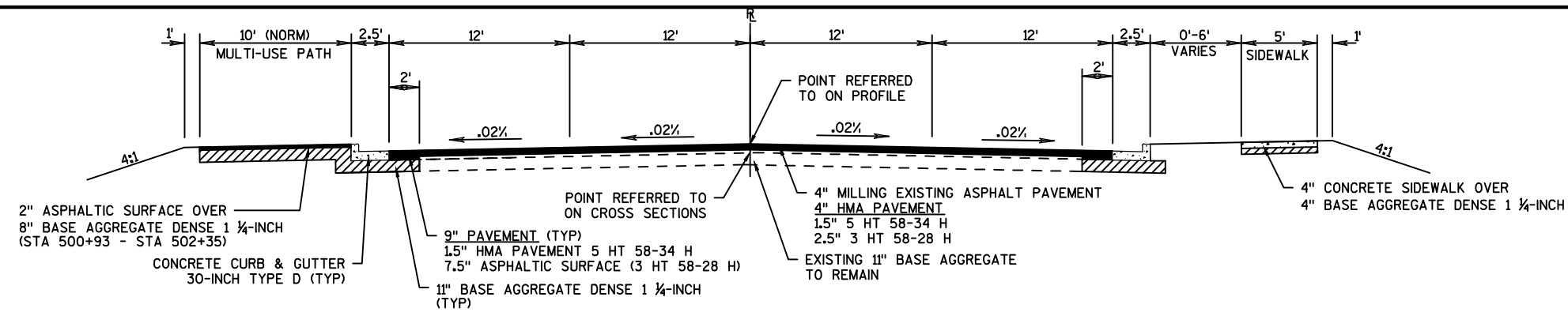
TYPICAL FINISHED SECTION - STH 27
STA 492+00.00 - STA 494+25.00



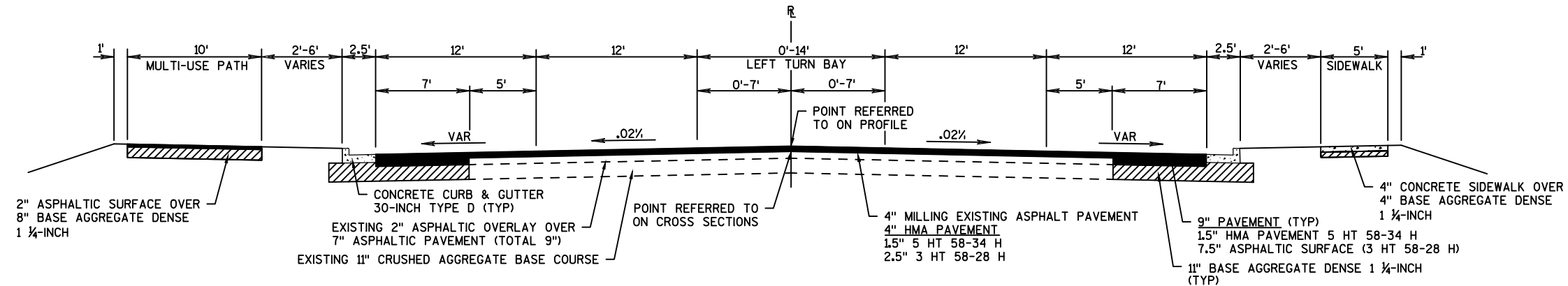
TYPICAL FINISHED SECTION - STH 27
STA 494+25.00 - STA 496+40.00



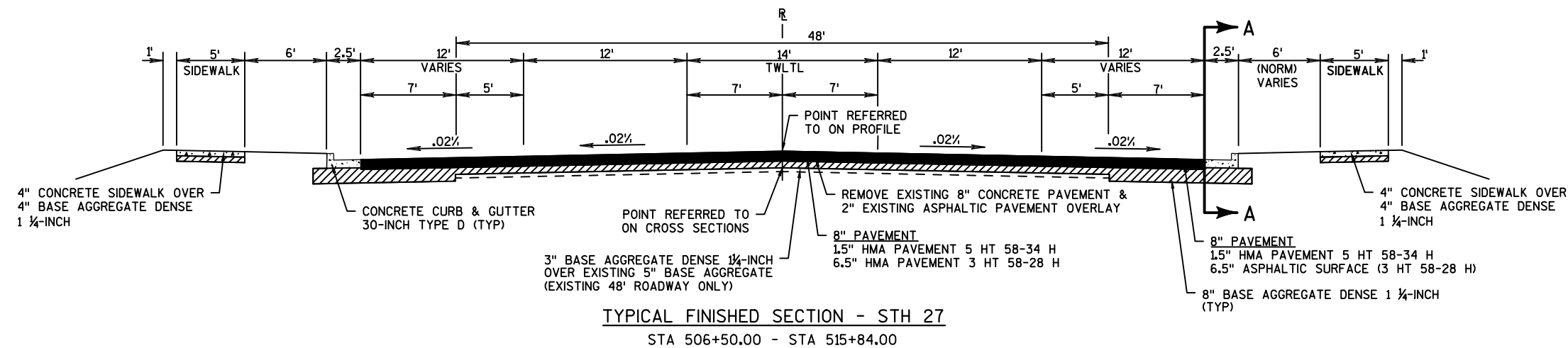
TYPICAL FINISHED SECTION - STH 27
STA 496+40.00 - STA 500+50.00



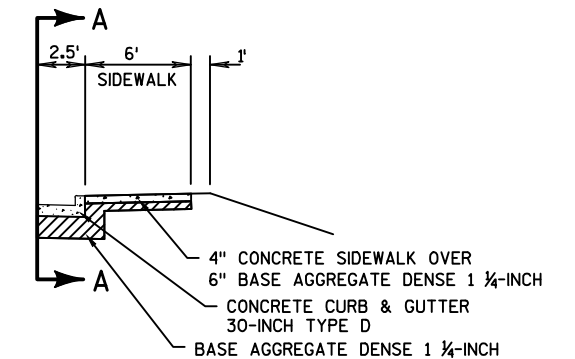
TYPICAL FINISHED SECTION - STH 27
STA 500+50.00 - STA 502+35.00



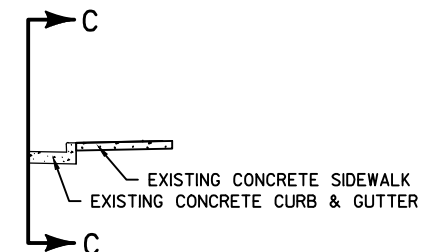
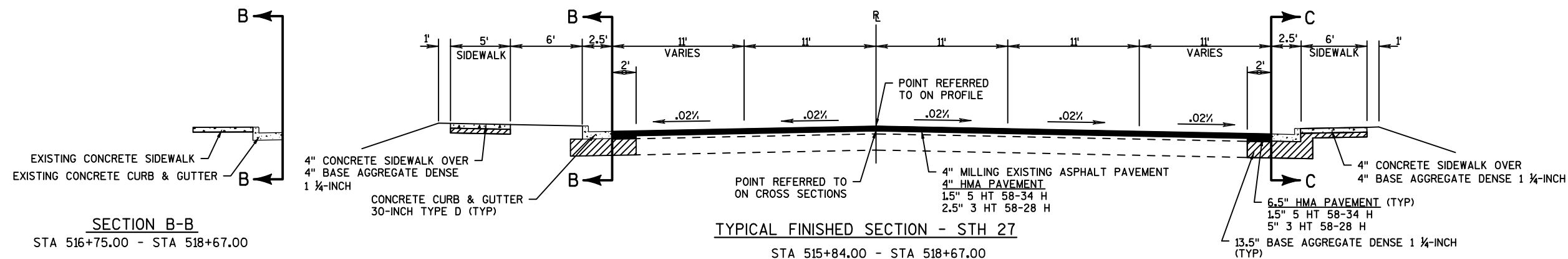
TYPICAL FINISHED SECTION - STH 27
STA 504+16.70 - STA 506+50.00



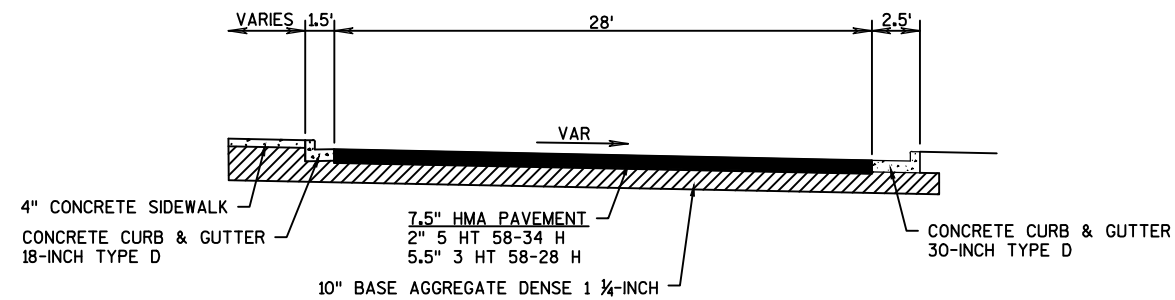
TYPICAL FINISHED SECTION - STH 27
STA 506+50.00 - STA 515+84.00



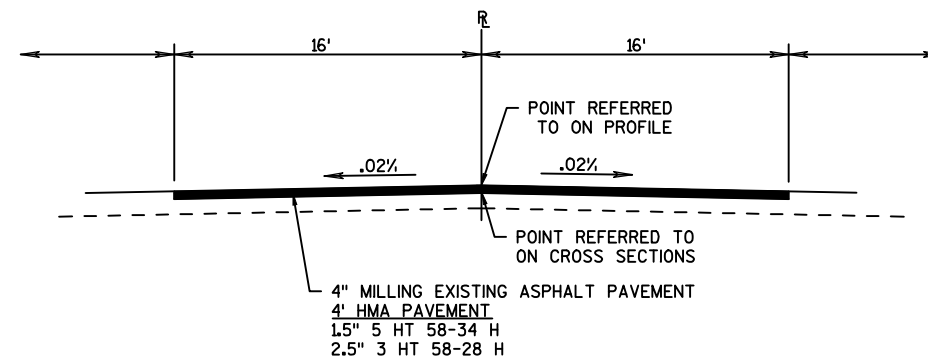
SECTION A-A
STA 512+84.00 - STA 515+84.00



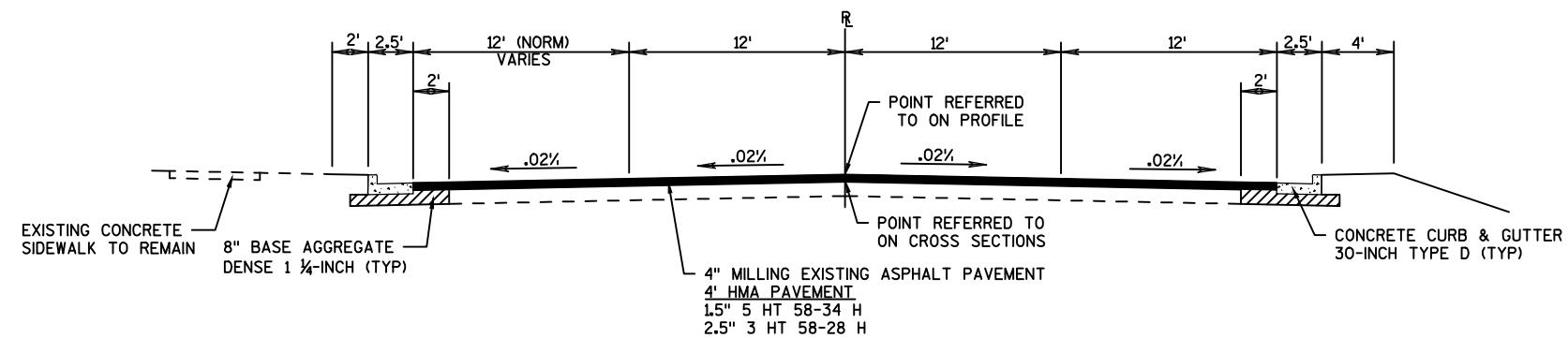
SECTION C-C
STA 516+75.00 - STA 518+67.00



TYPICAL FINISHED SECTION - NORTHBOUND RT TURN



TYPICAL FINISHED SECTION - CTH B
STA 26+75.00 - STA 30+00.00

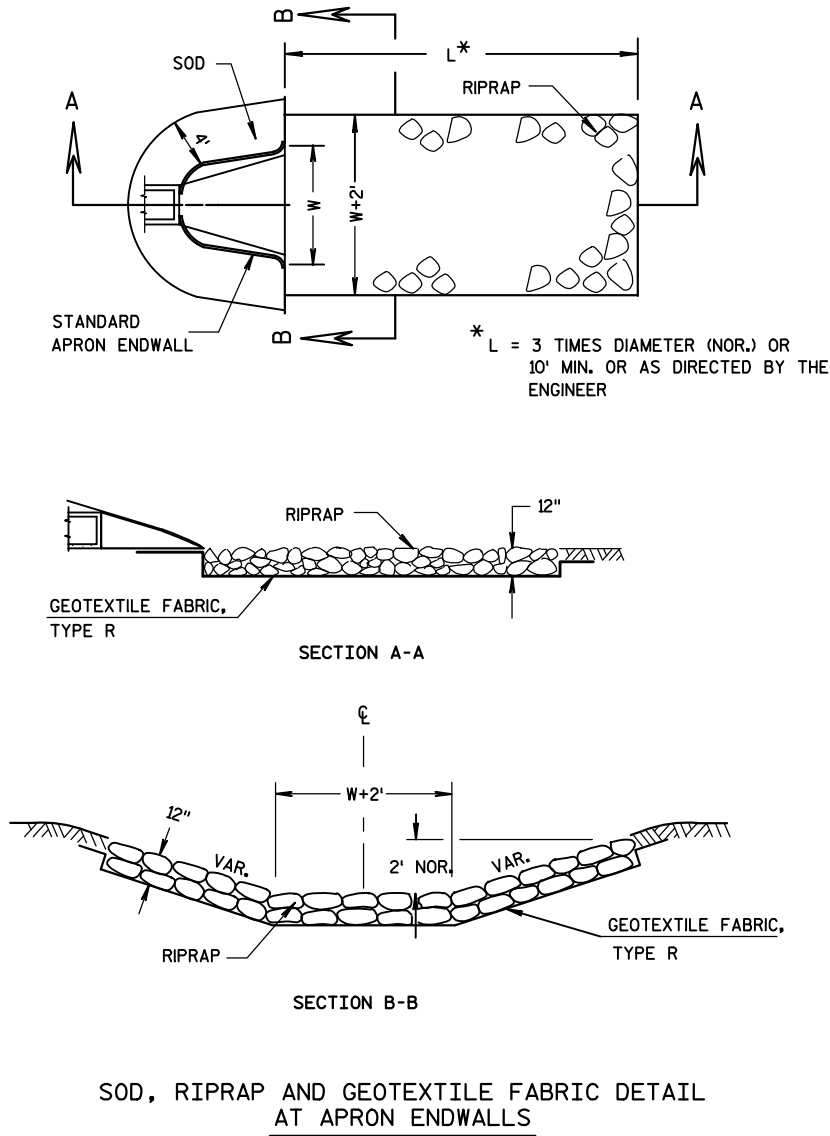
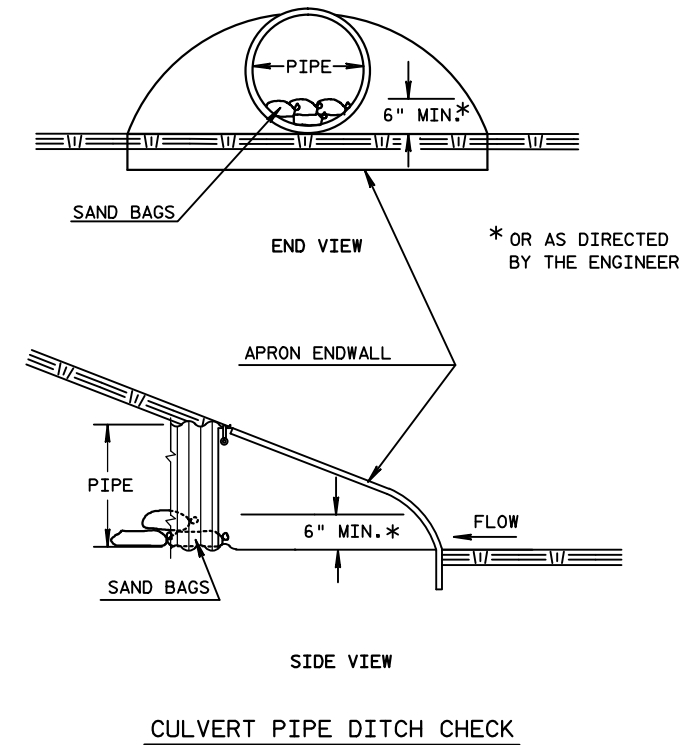


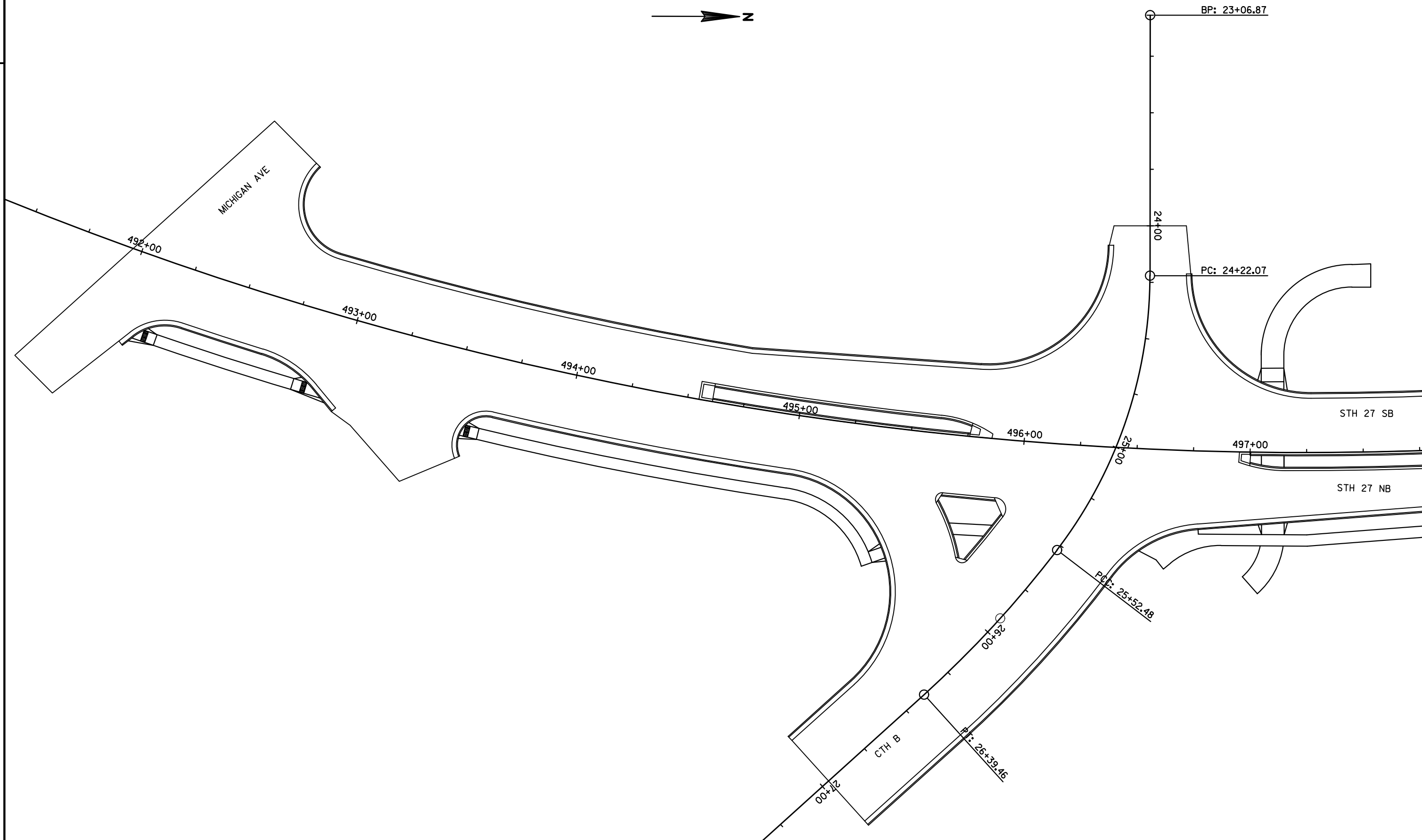
TYPICAL FINISHED SECTION - CTH B
STA 26+75.00 - STA 30+00.00

RUNOFF COEFFICIENT TABLE

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

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





PROJECT NO: 8140-00-00

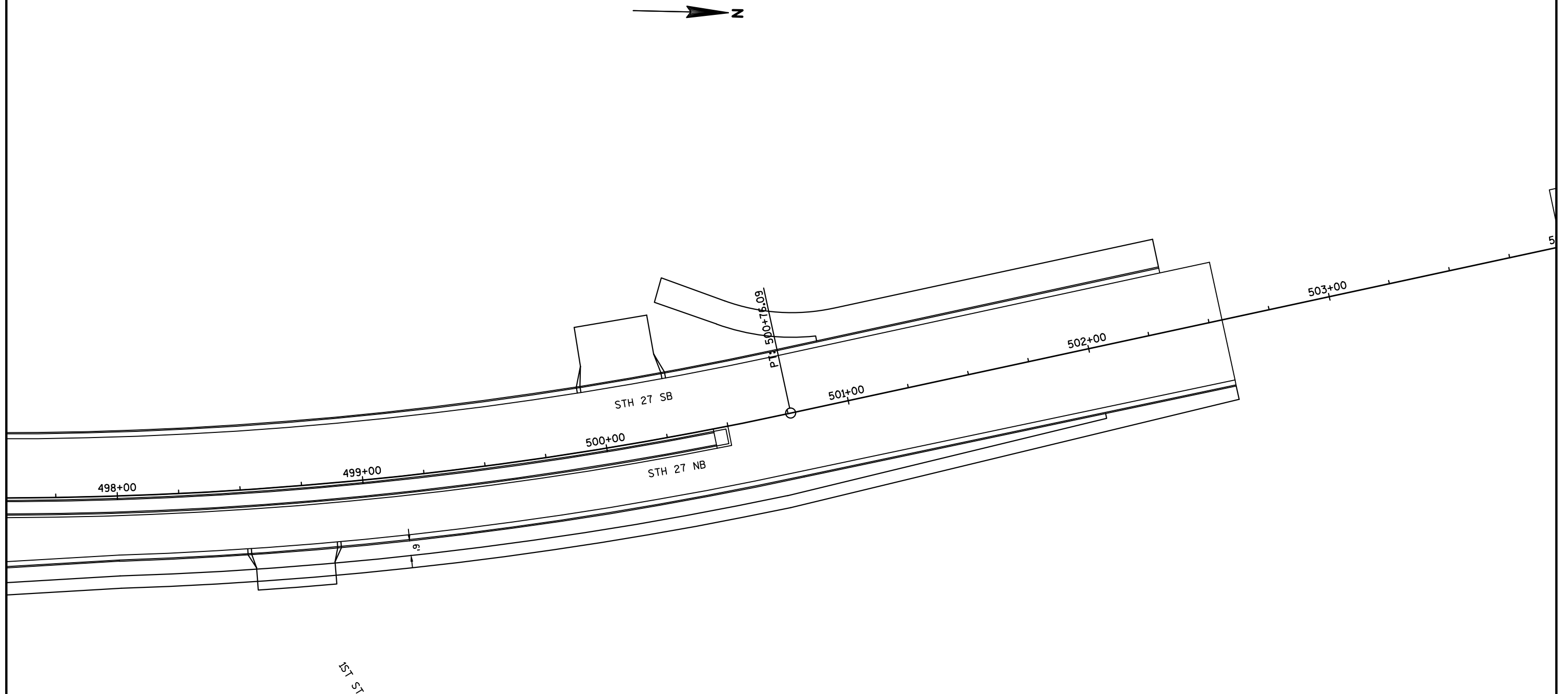
HWY: STH 27

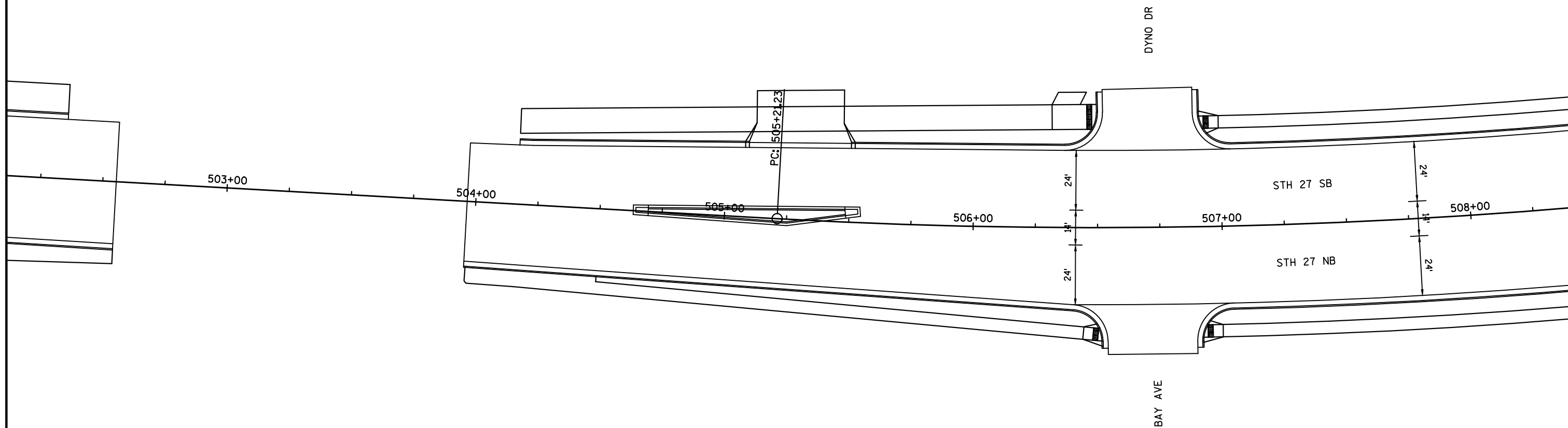
COUNTY: SAWYER

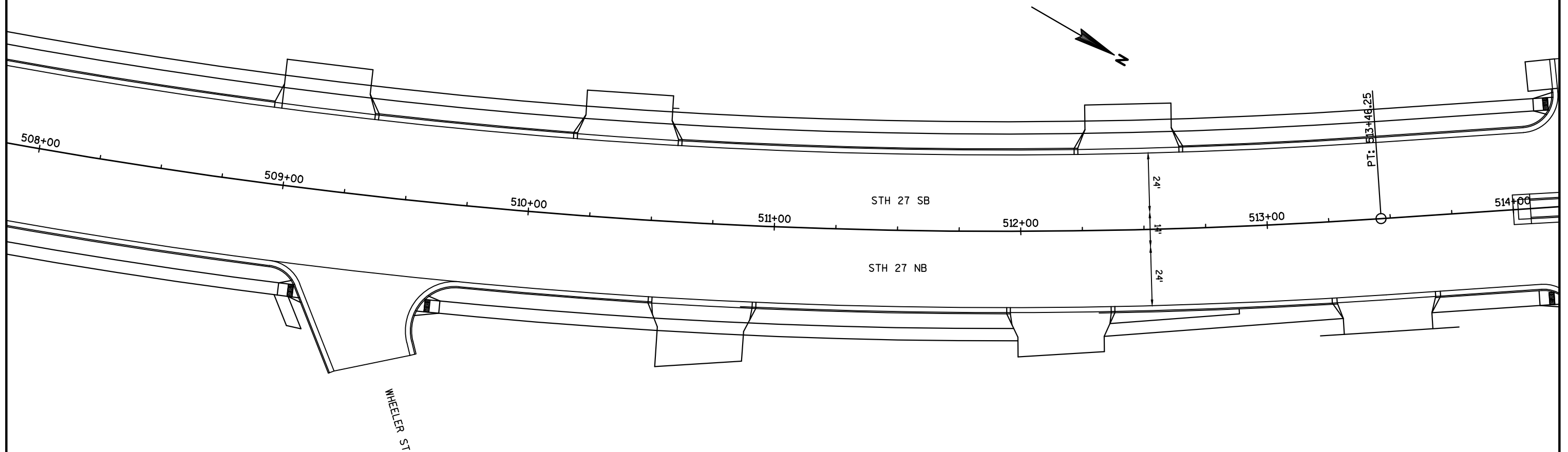
PAVING DETAILS

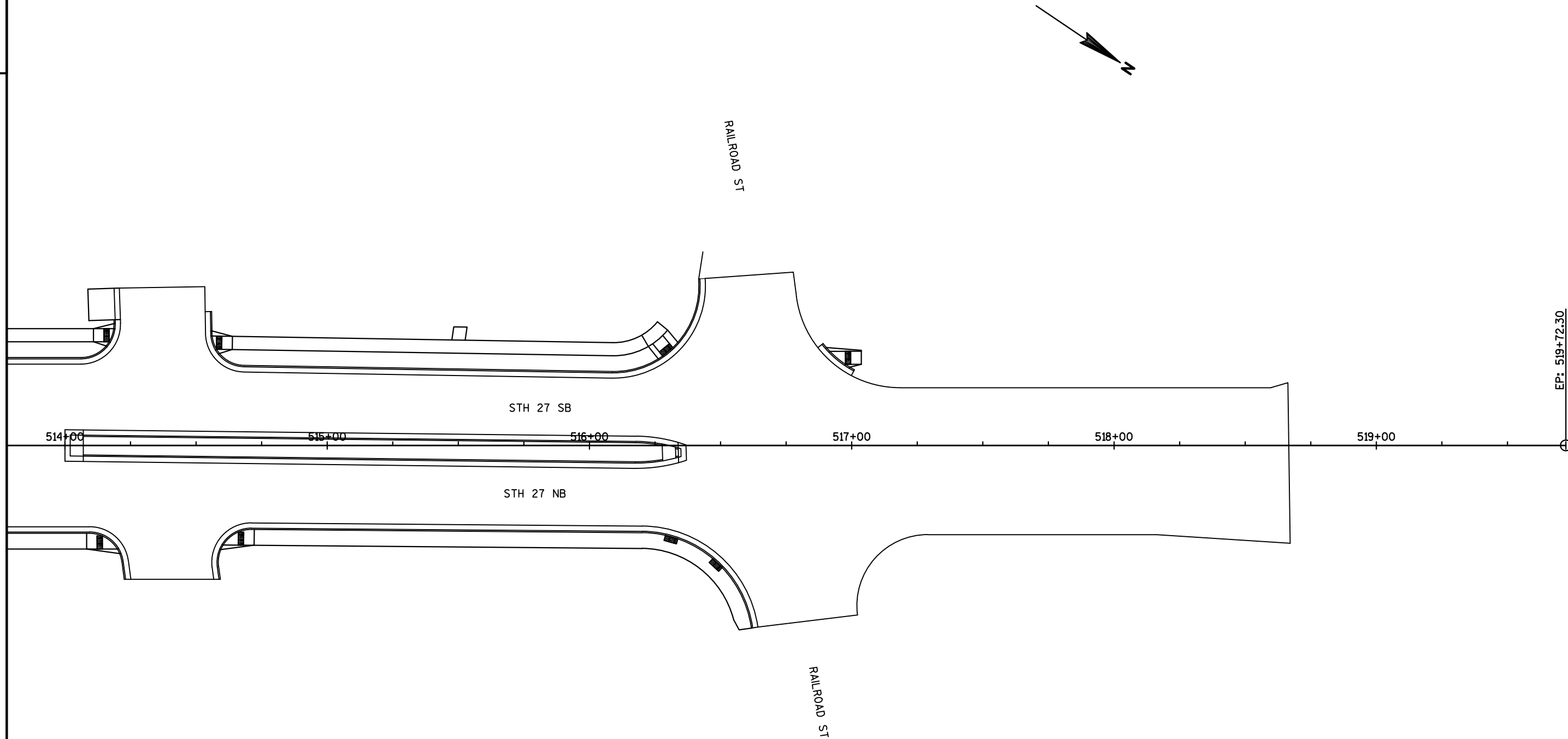
SHEET

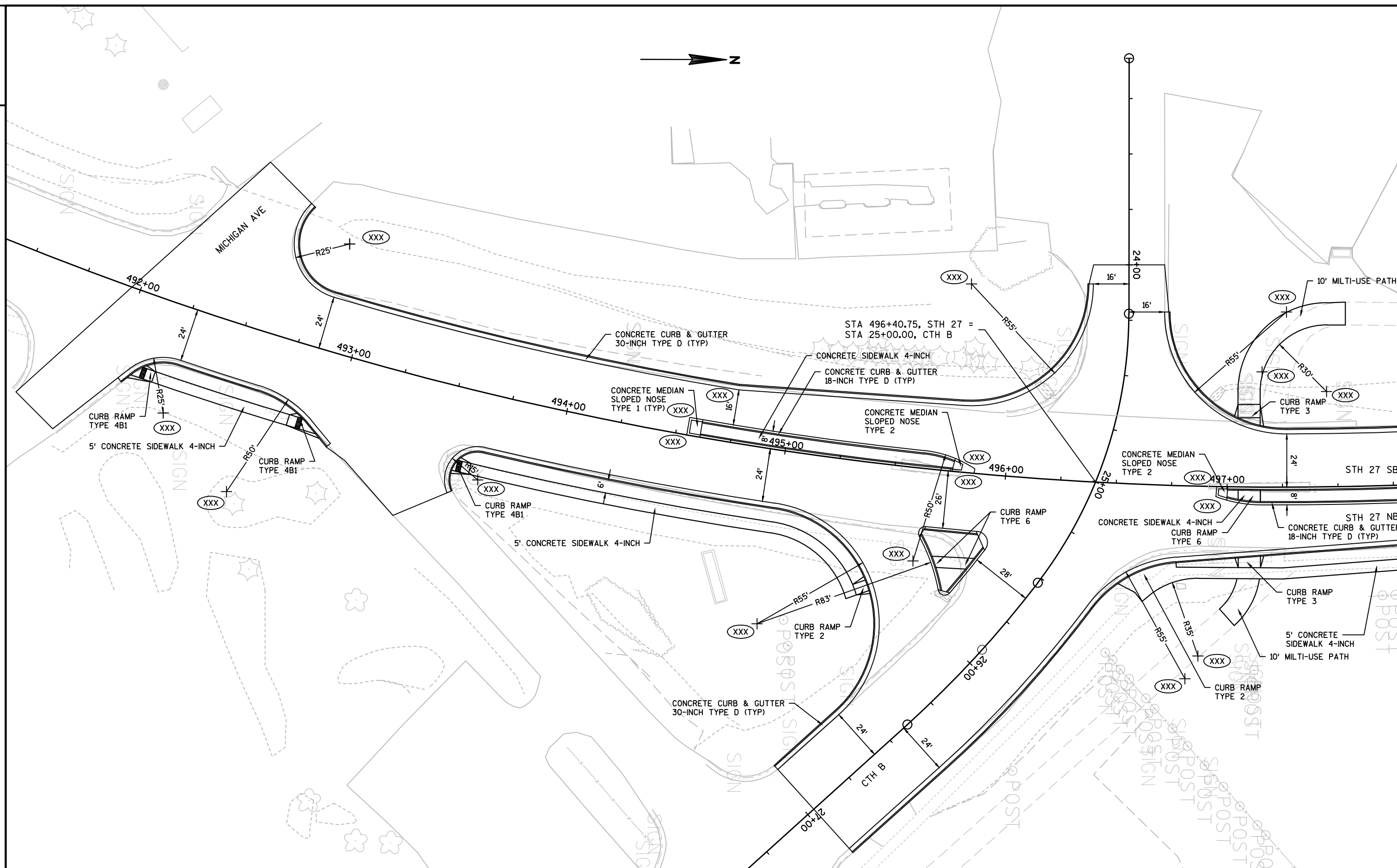
E











PROJECT NO: 8140-00-00

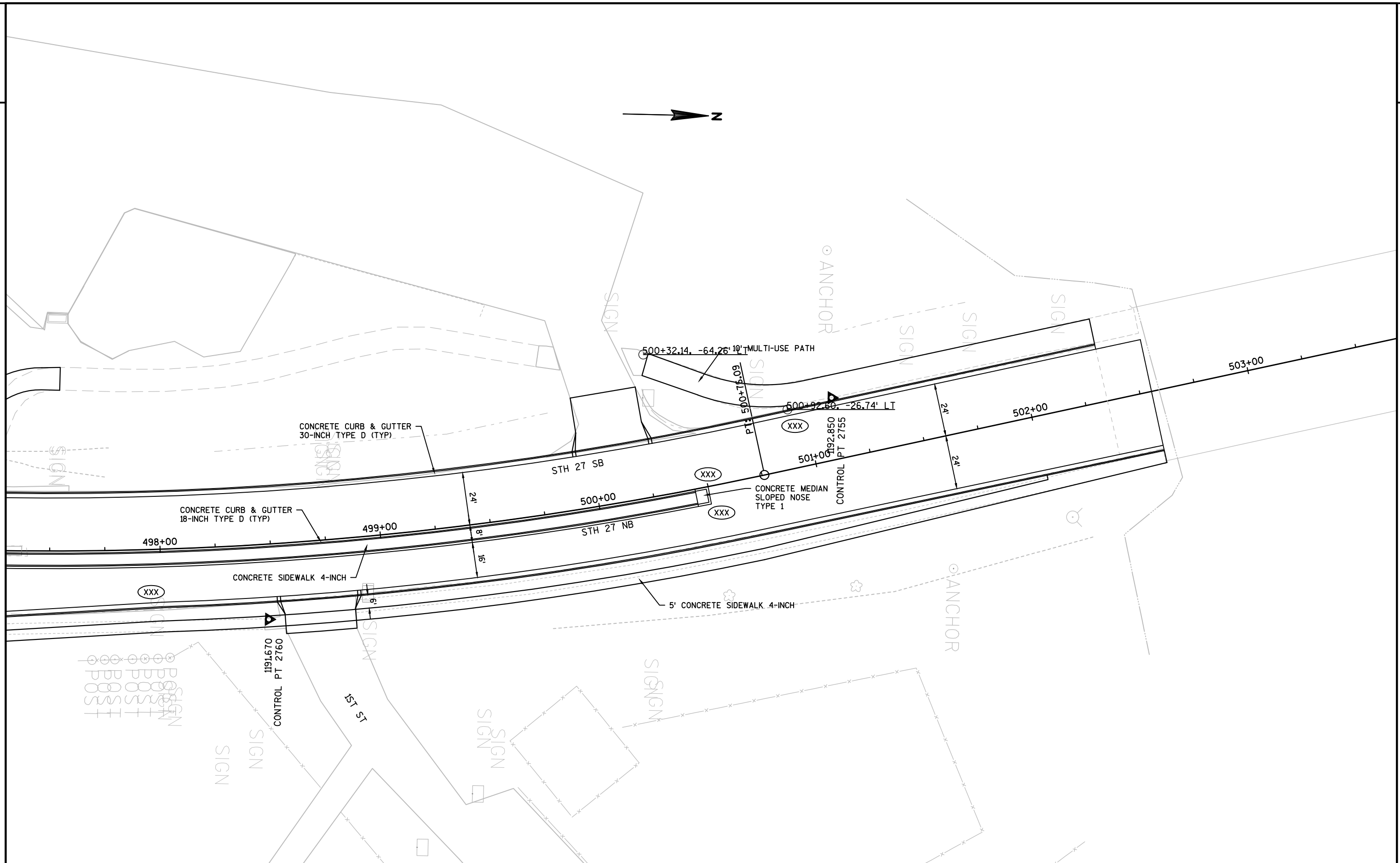
HWY: STH 27

COUNTY: SAWYER

INTERSECTION DETAILS

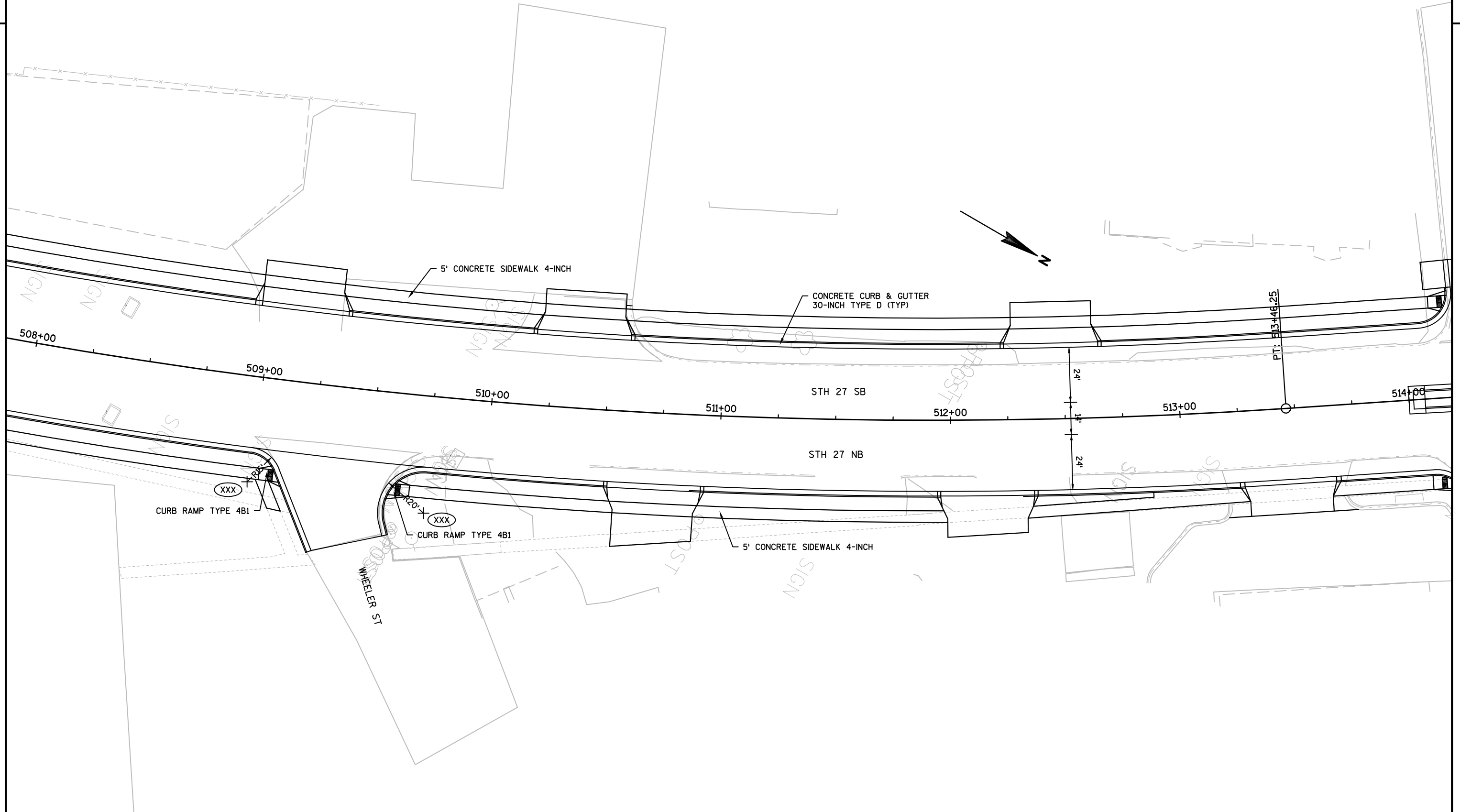
SHEET

E



PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	INTERSECTION DETAILS	SHEET	E
------------------------	-------------	----------------	----------------------	-------	---





PROJECT NO: 8140-00-00

HWY: STH 27

COUNTY: SAWYER

INTERSECTION DETAILS

SHEET

E

FILE NAME : V:\TRANS-EC\410696\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021104_ID

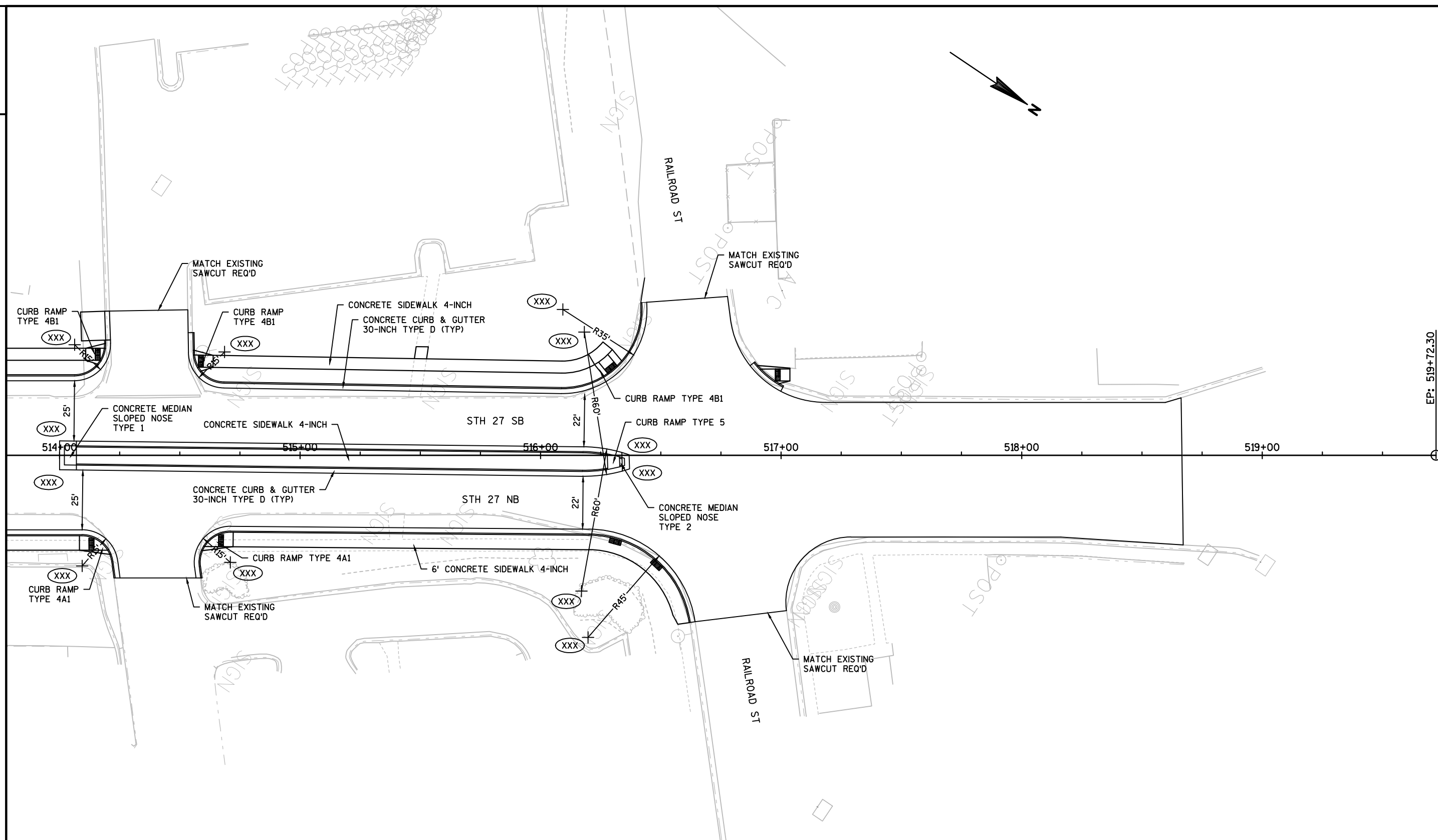
PLOT DATE : 8/8/2017 2:24 PM

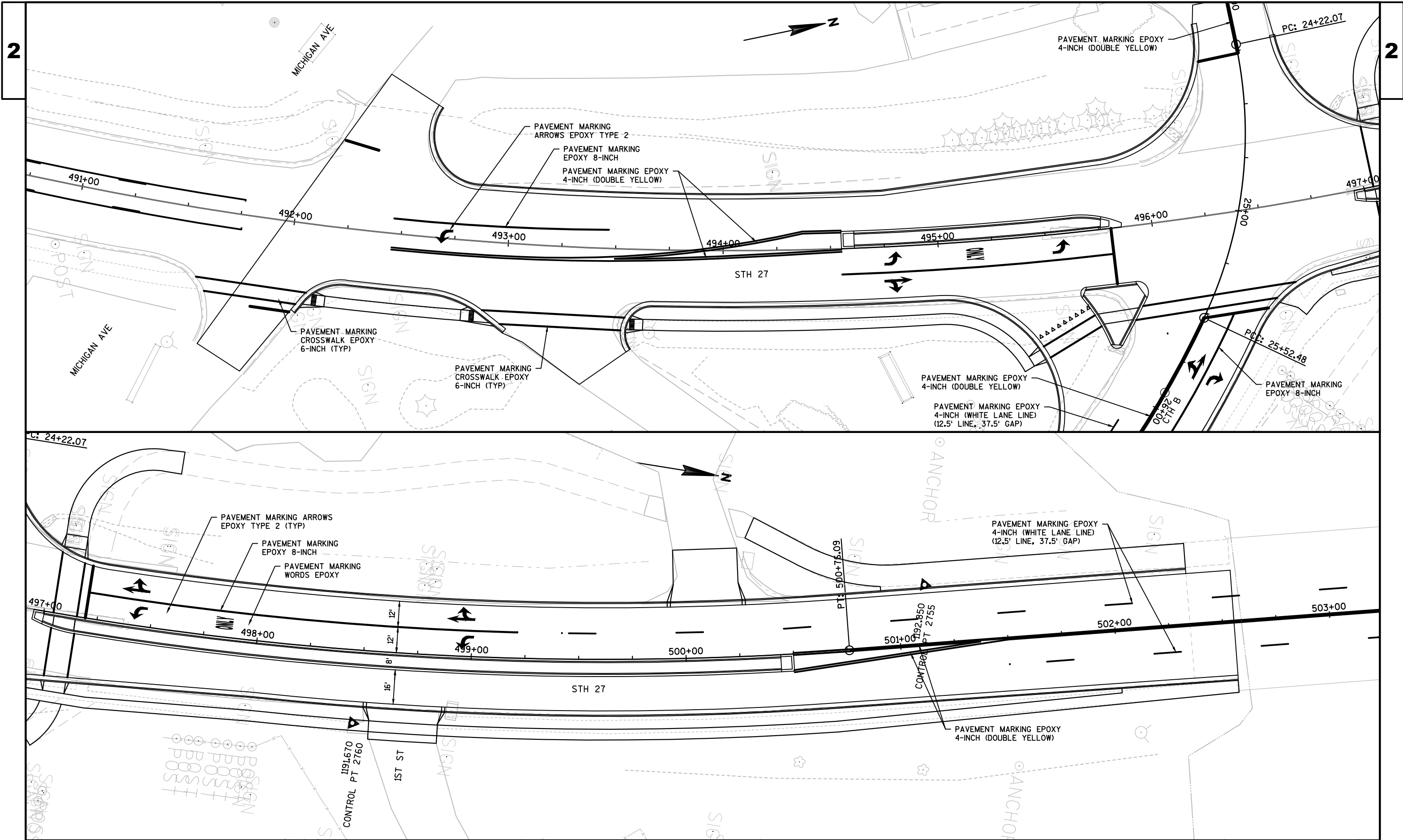
PLOT BY : HEDRINGTON, MARK

PLOT NAME :

PLOT SCALE : *****

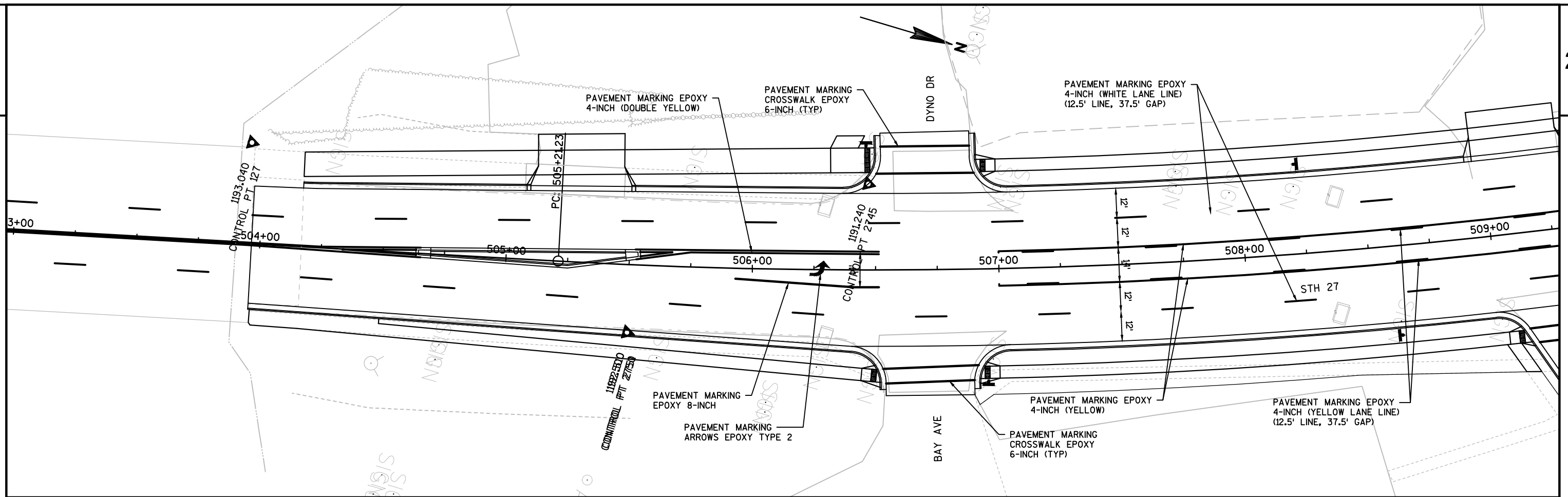
WISDOT/CADDs SHEET 44



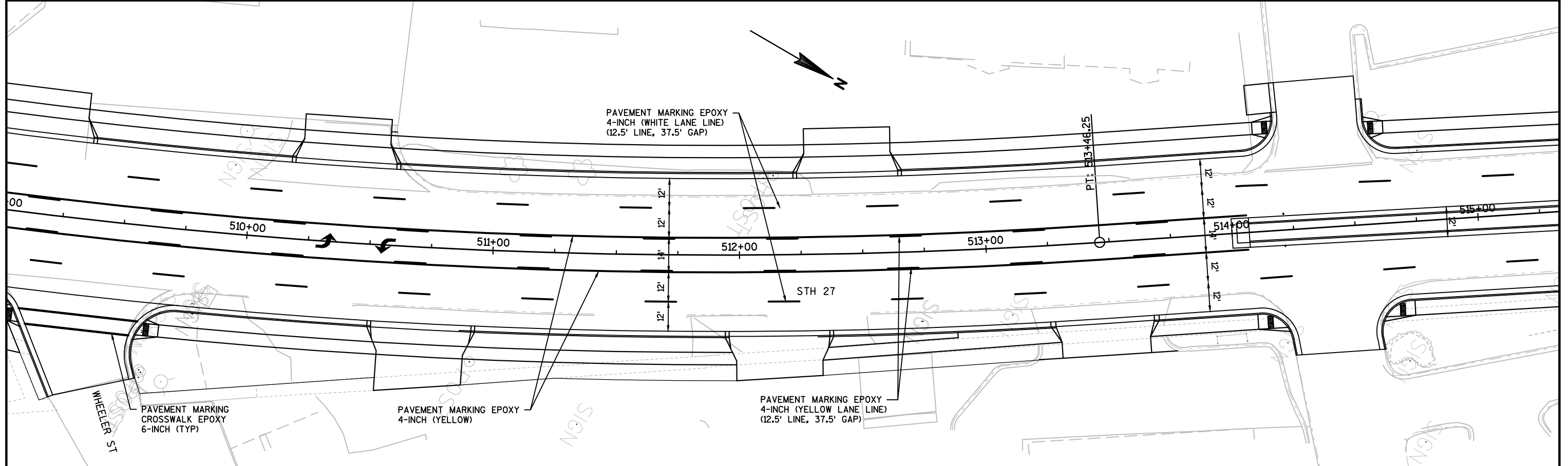


PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	PAVEMENT MARKING	SHEET	E
------------------------	-------------	----------------	------------------	-------	---

2



2



PROJECT NO: 8140-00-00

HWY: STH 27

COUNTY: SAWYER

PAVEMENT MARKING

SHEET

E

FILE NAME : V:\TRANS-EC\410696\C3D\SHEETSP\PLAN\024501.PM.DWG
LAYOUT NAME - 024502.PM

PLOT DATE : 8/8/2017 5:33 PM

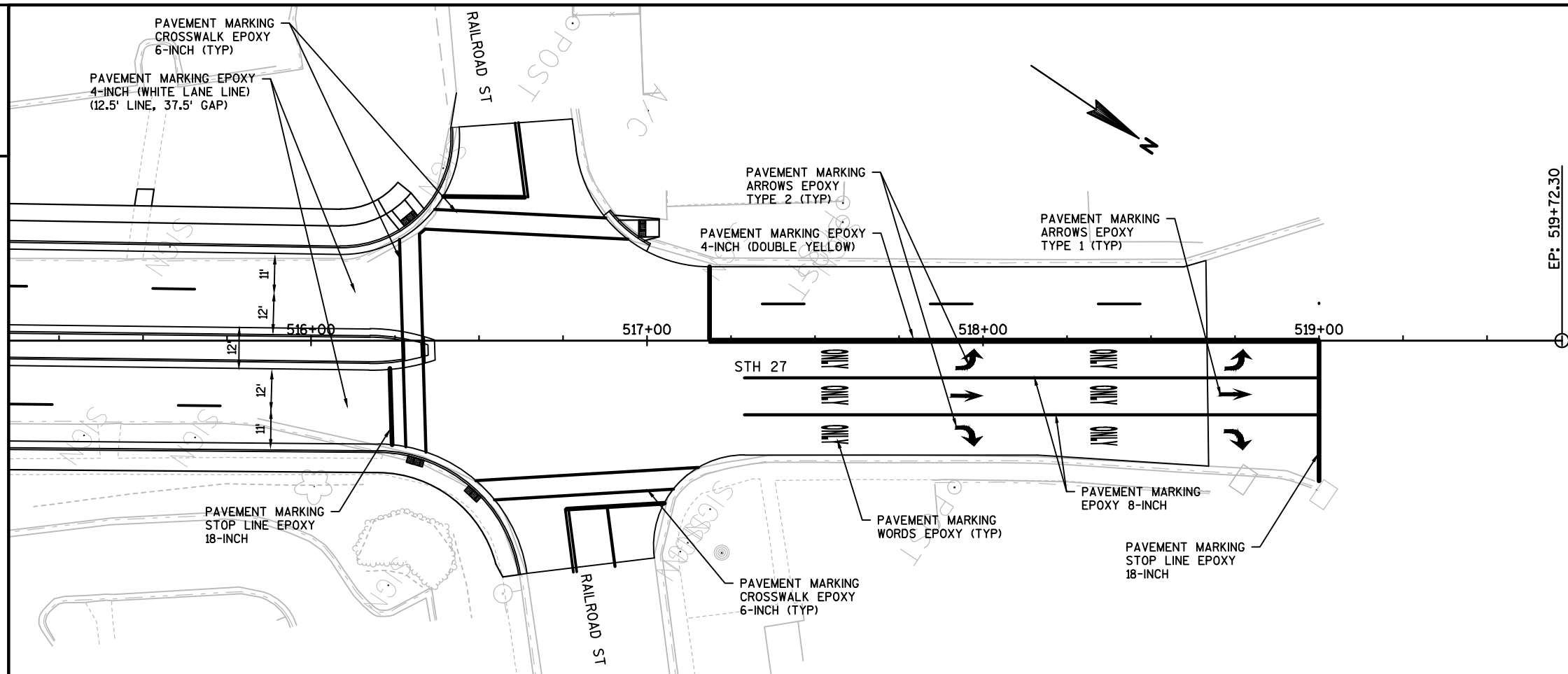
PLOT BY : HEDRINGTON, MARK

PLOT NAME :

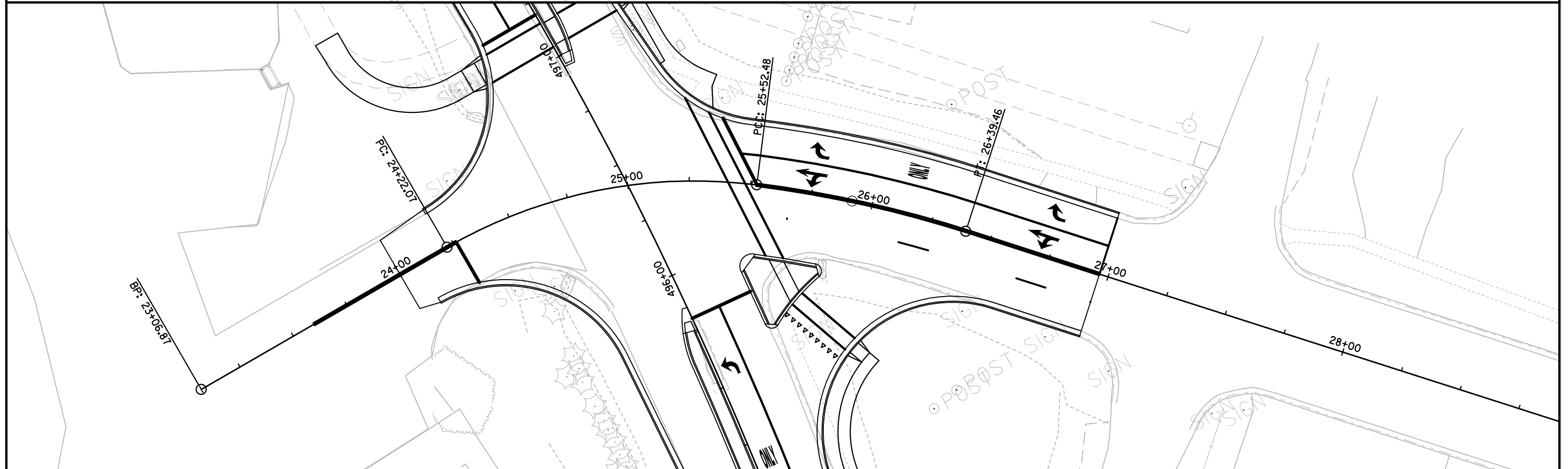
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 44

2



2



PROJECT NO: 8140-00-00

HWY: STH 27

COUNTY: SAWYER

PAVEMENT MARKING

SHEET

E

FILE NAME : V:\TRANS-EC\410696\C3D\SHEETSP\PLAN\024501-PM.DWG
LAYOUT NAME - 024503-PM

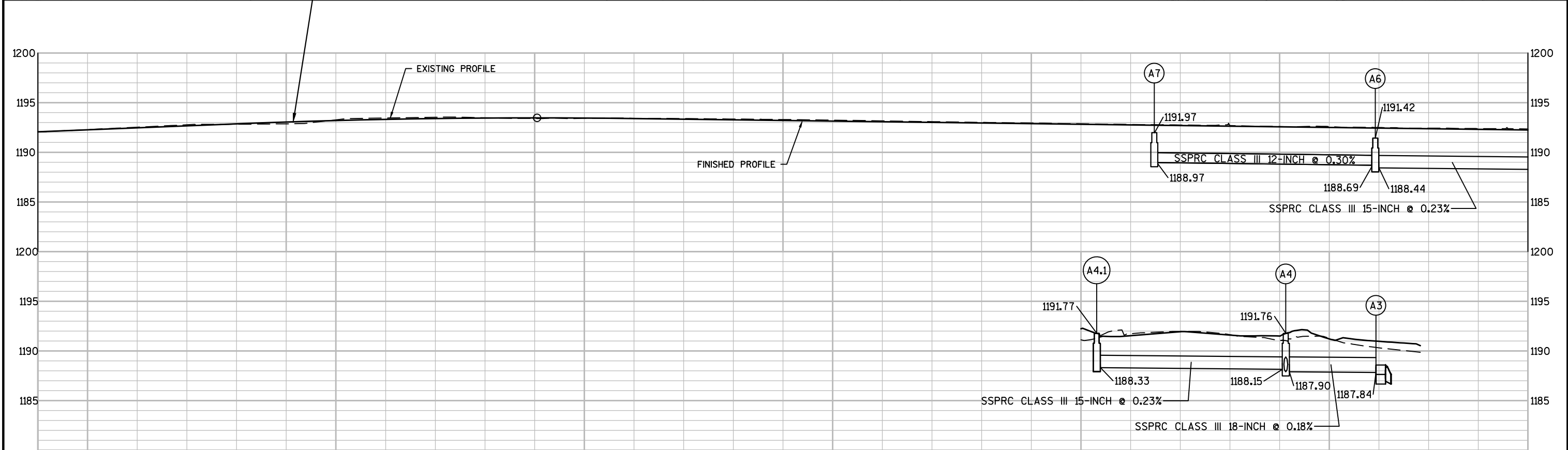
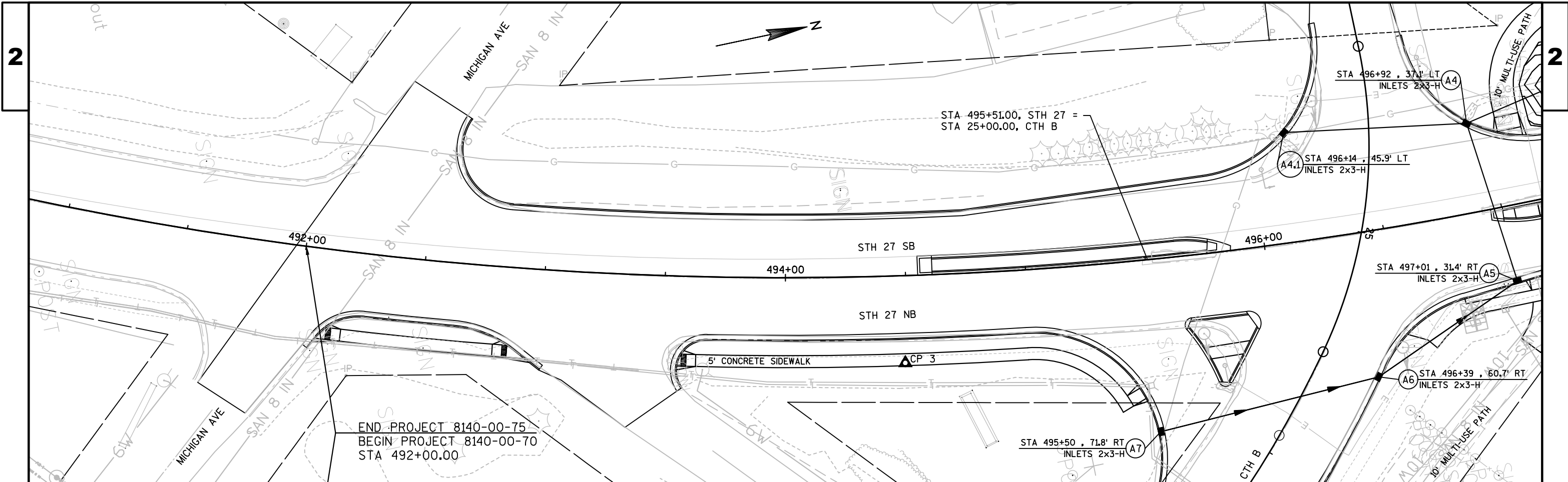
PLOT DATE : 8/8/2017 5:33 PM

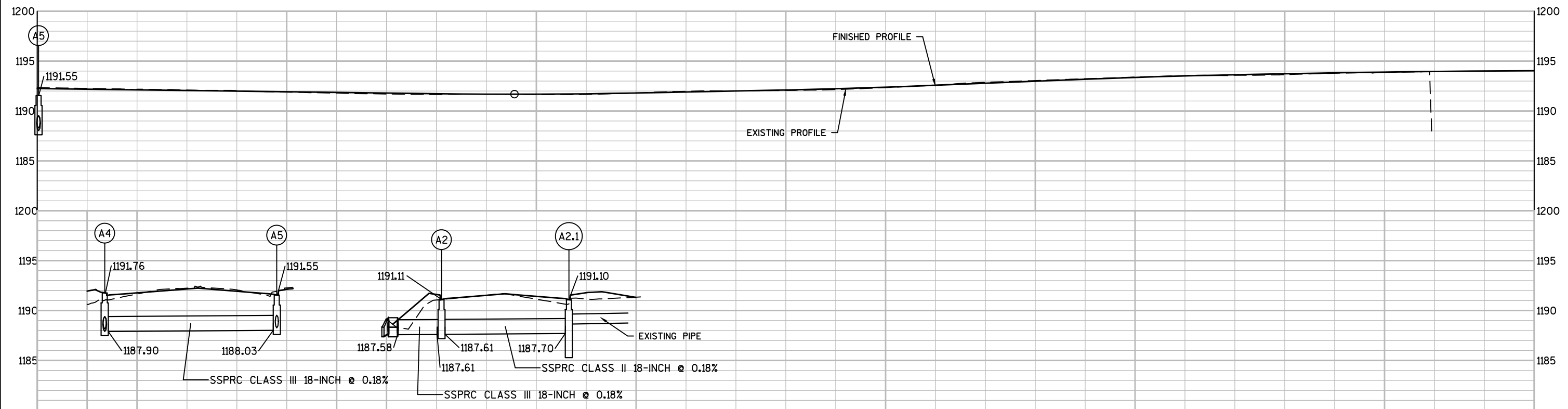
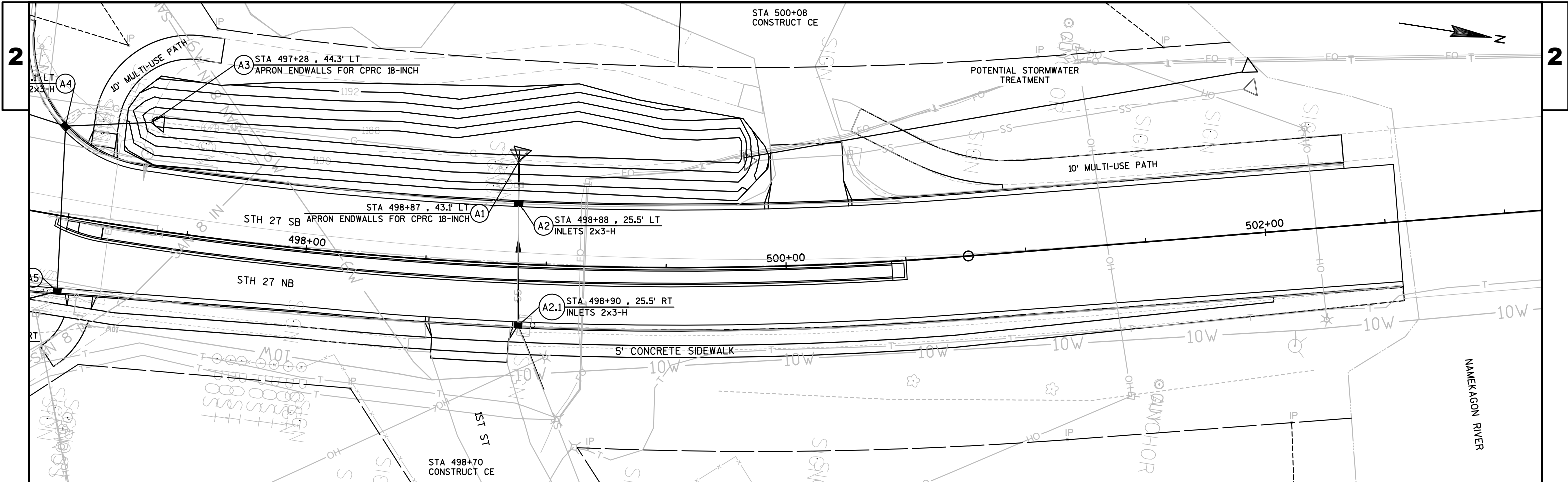
PLOT BY : HEDRINGTON, MARK

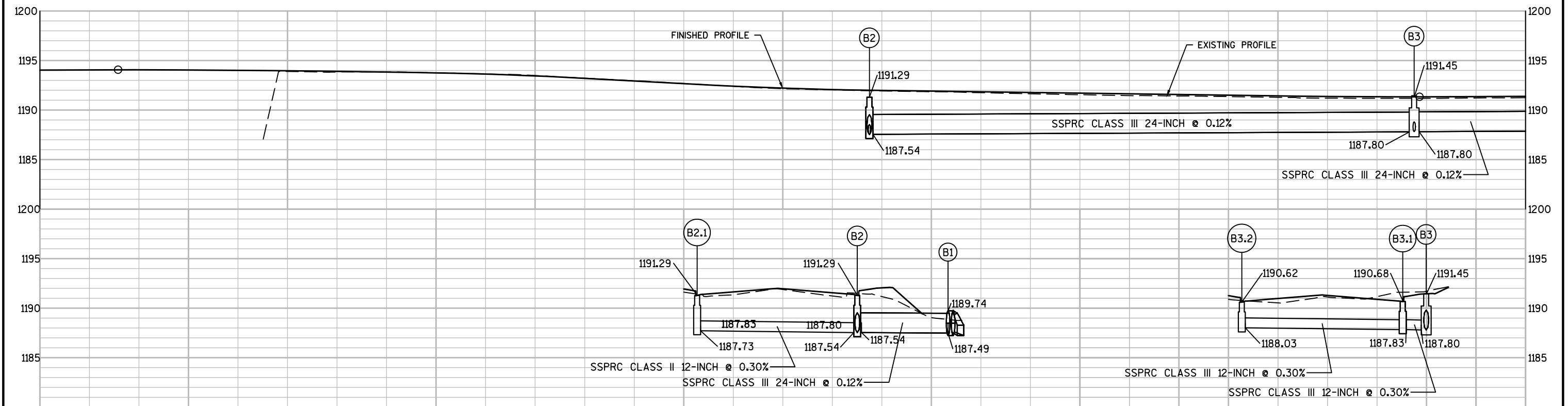
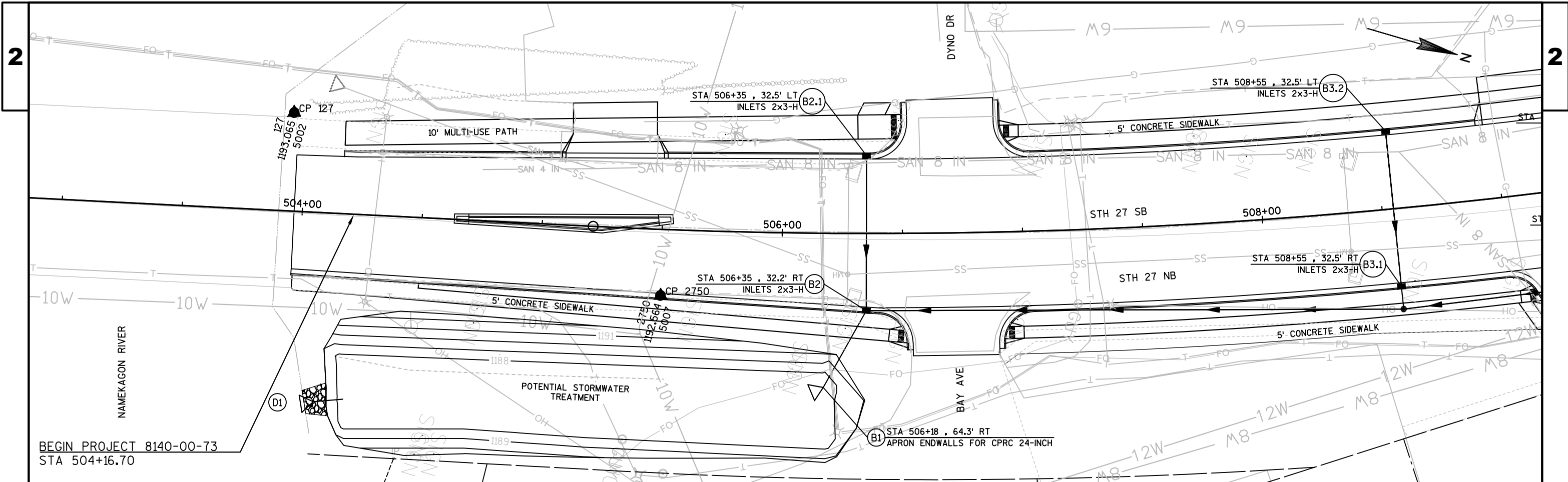
PLOT NAME :

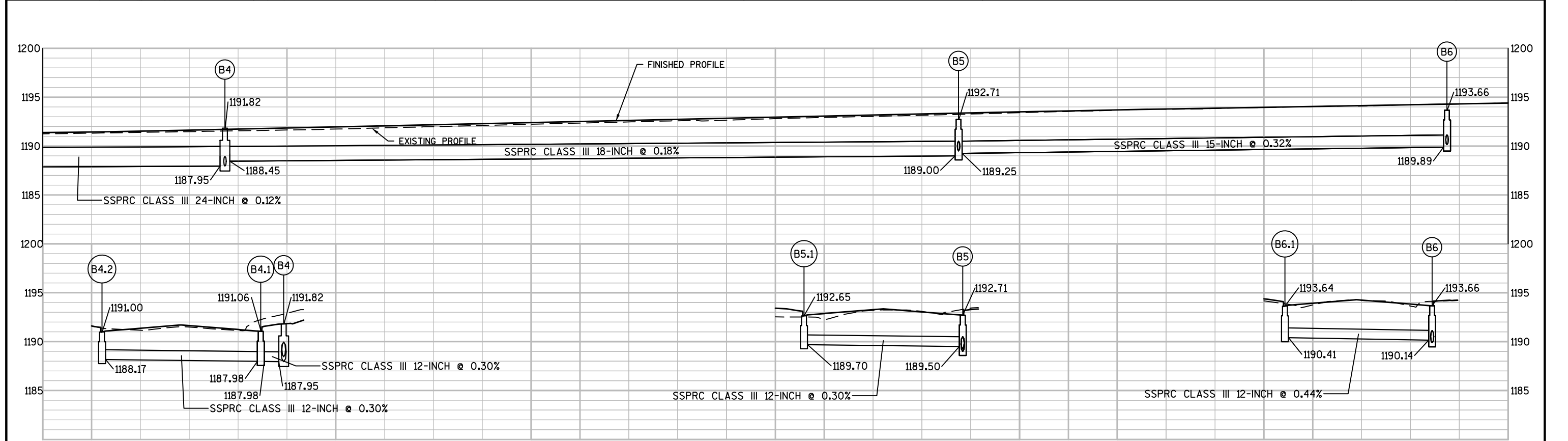
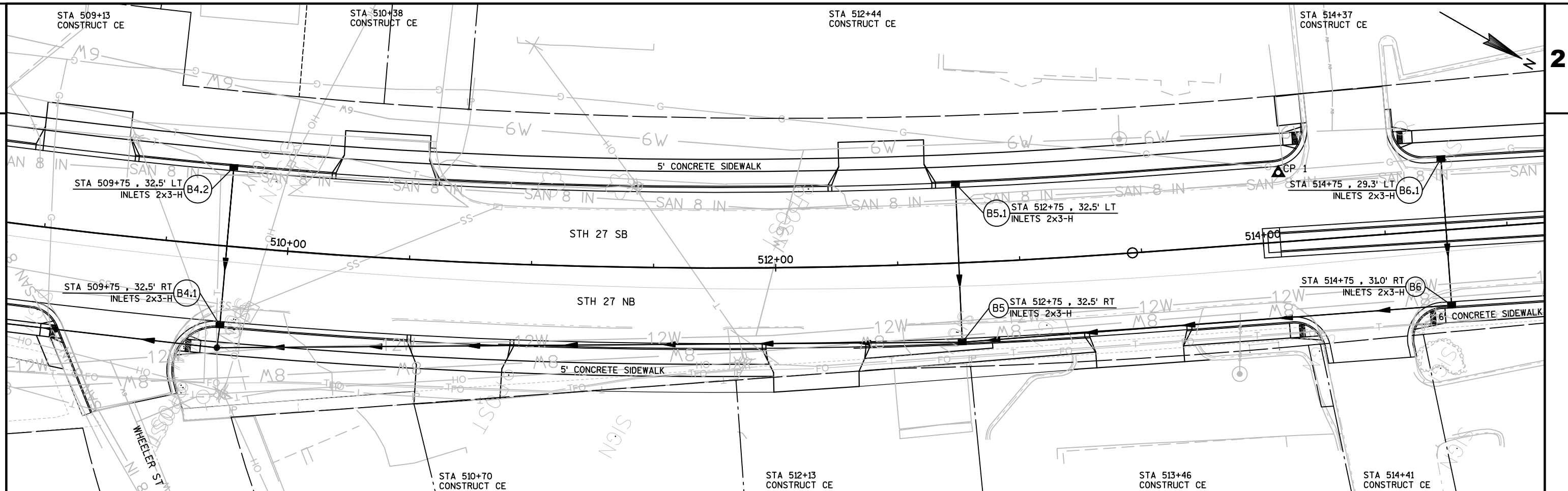
PLOT SCALE : 1 IN:40 FT

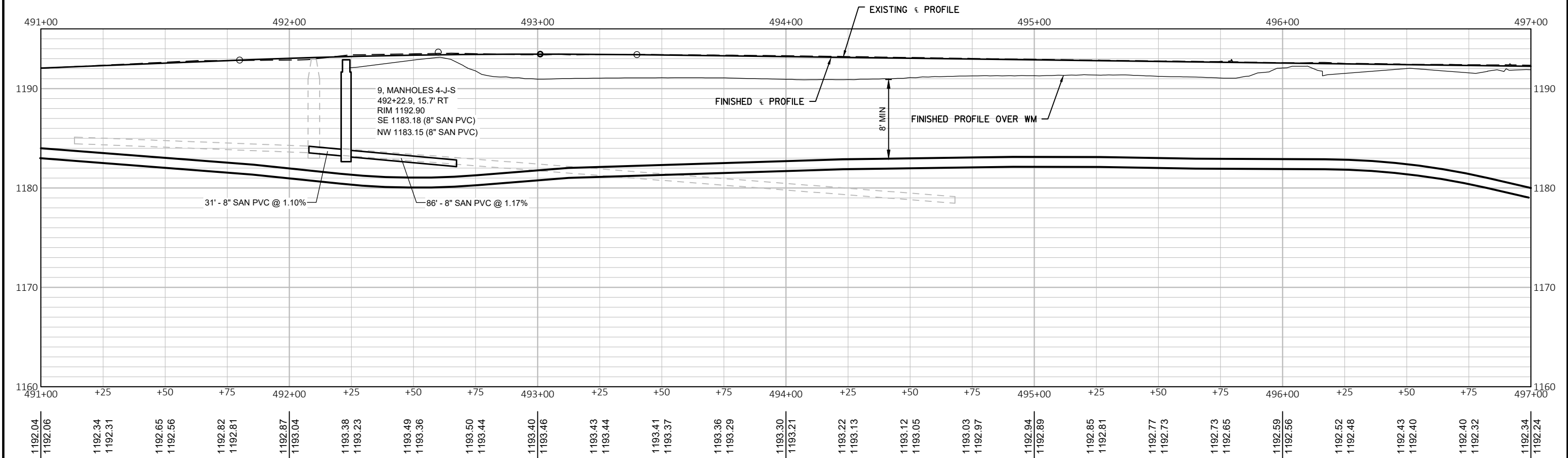
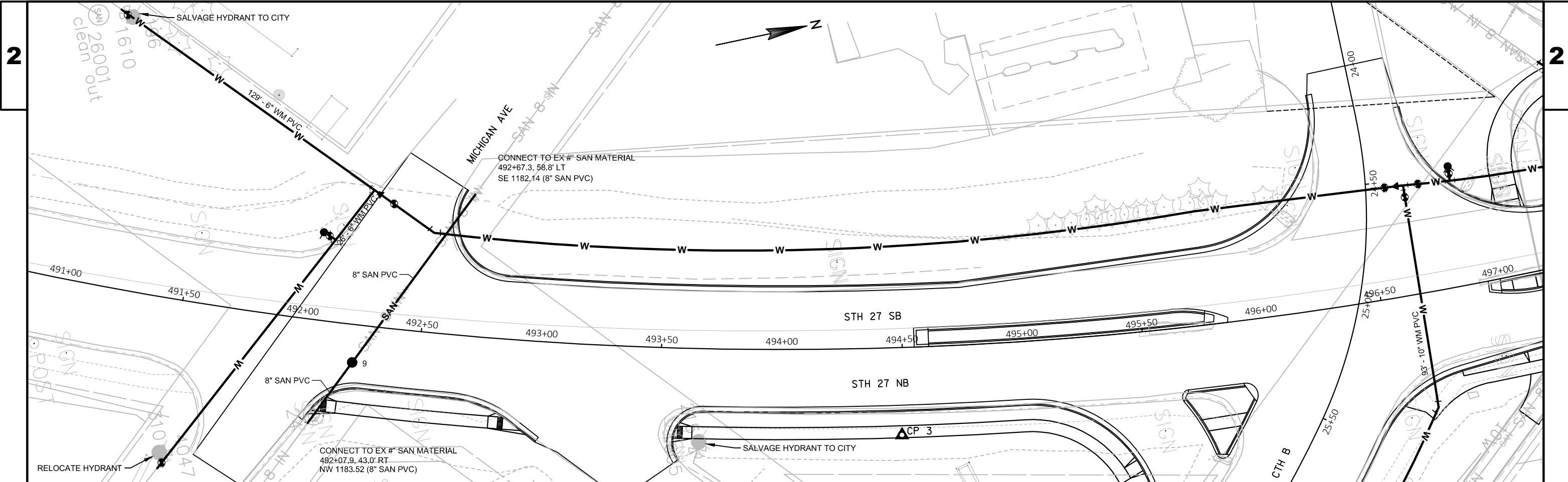
WISDOT/CADDs SHEET 44



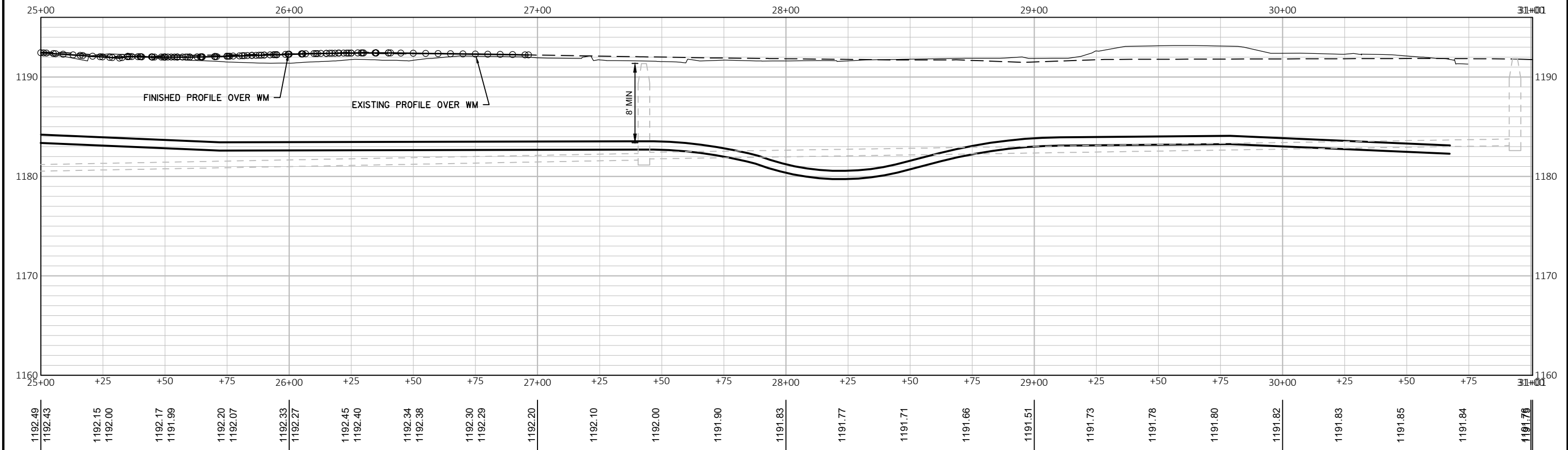
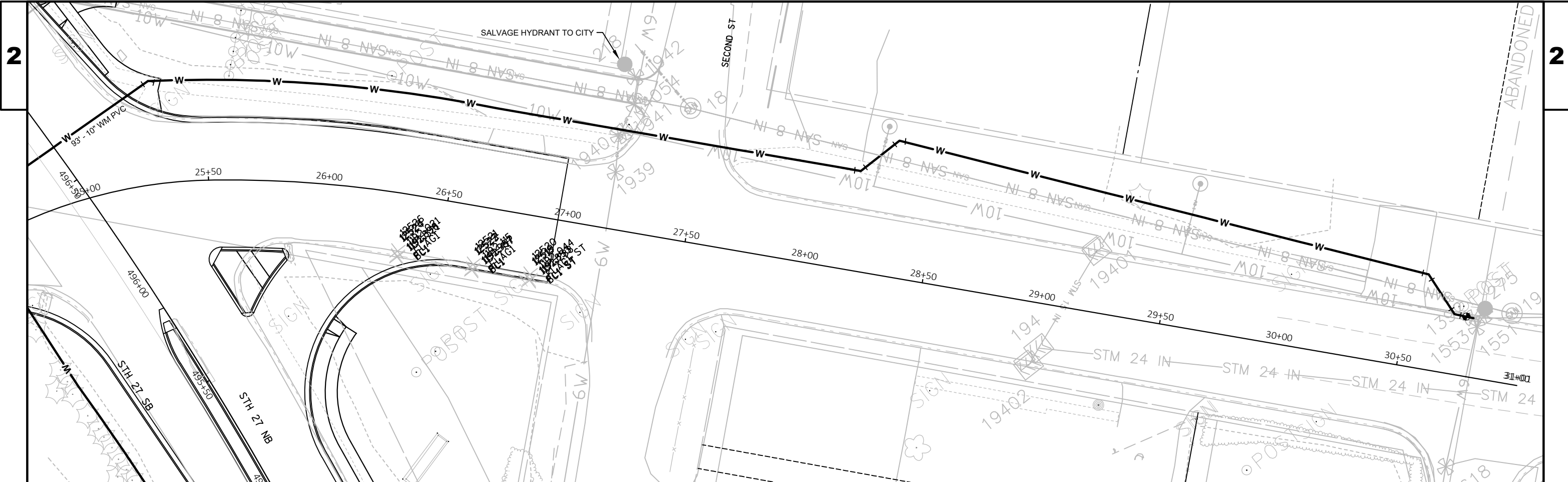


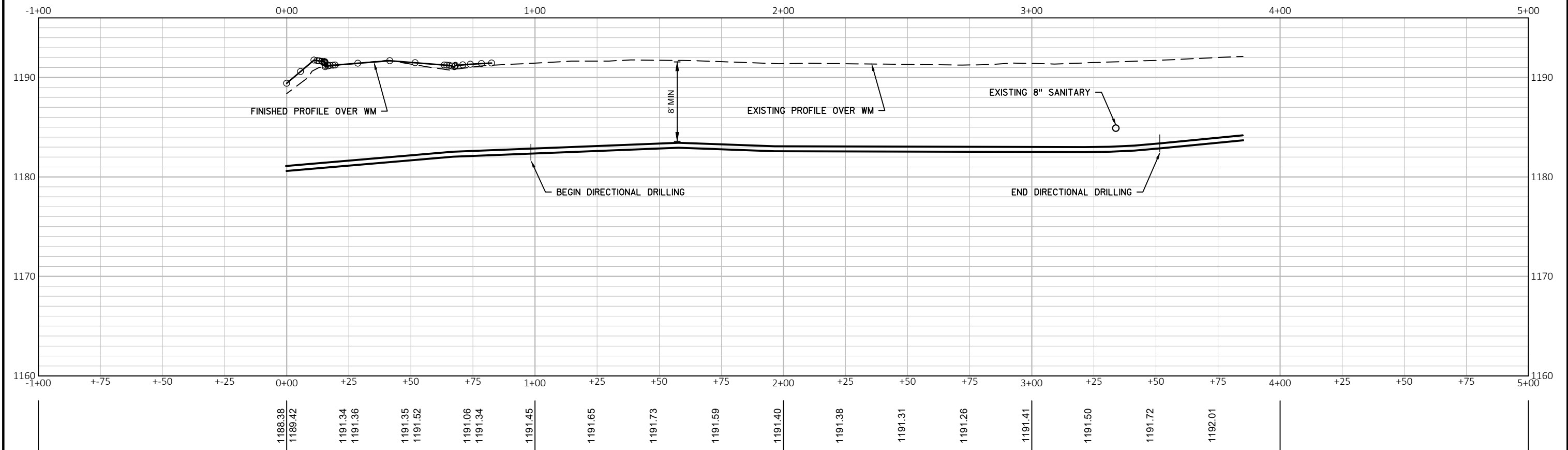
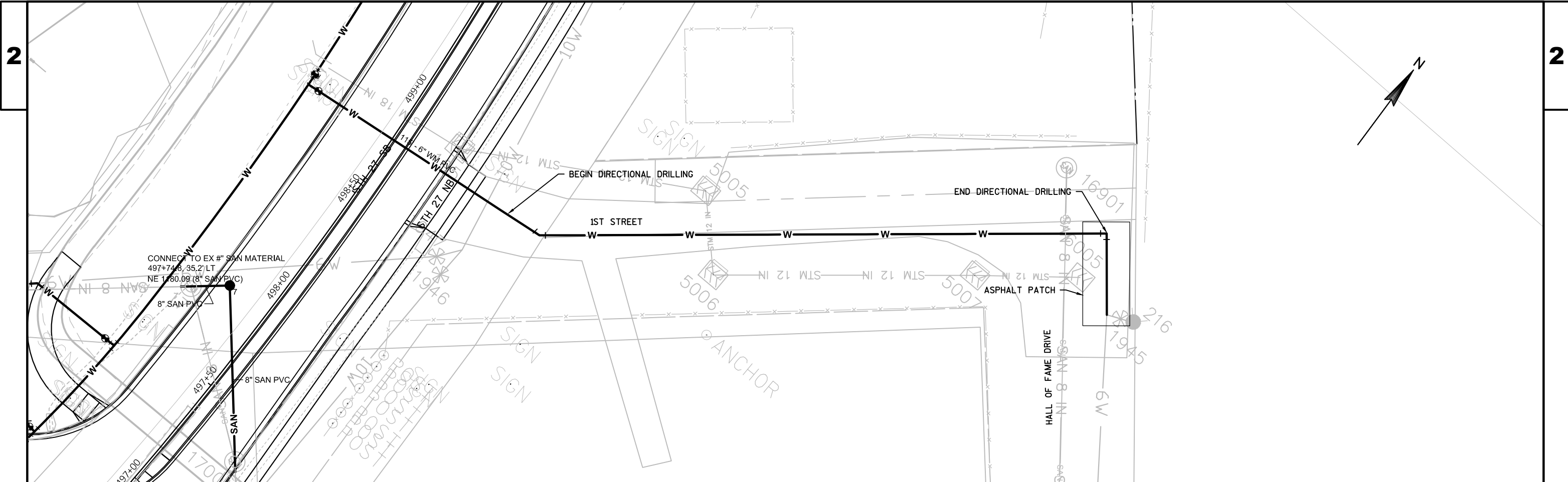


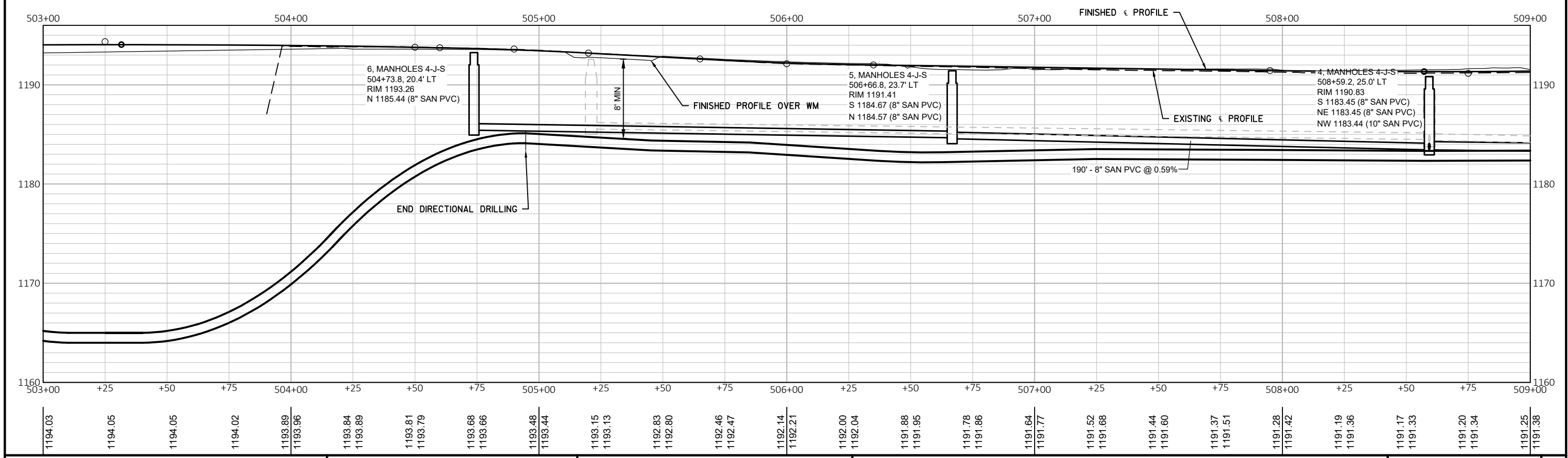
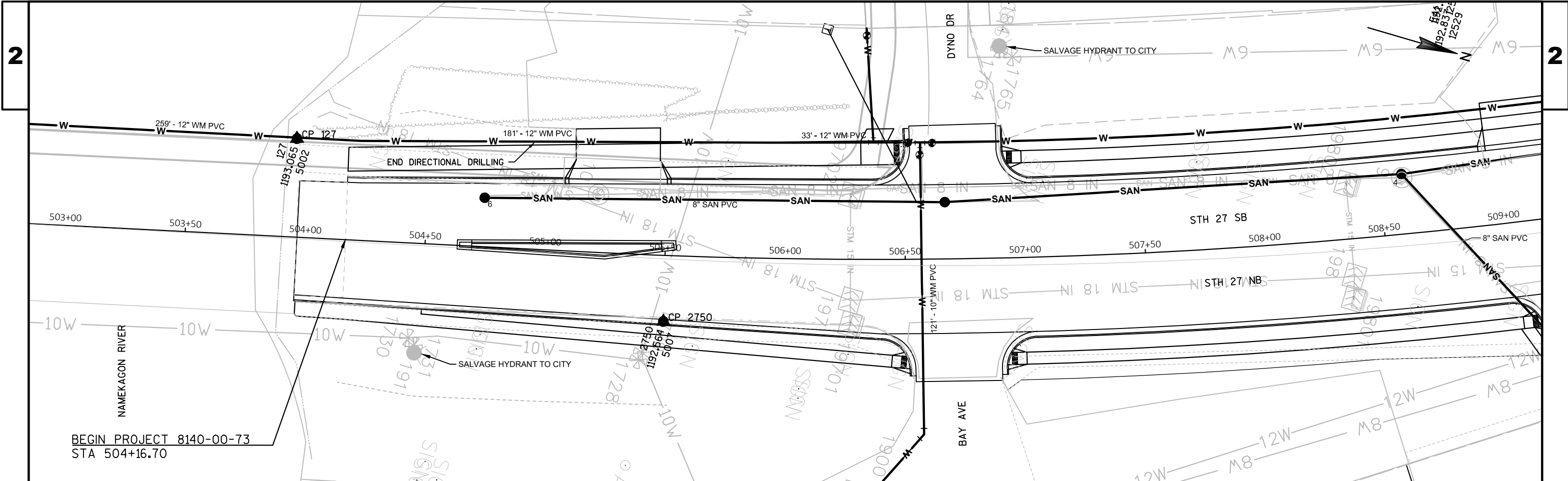




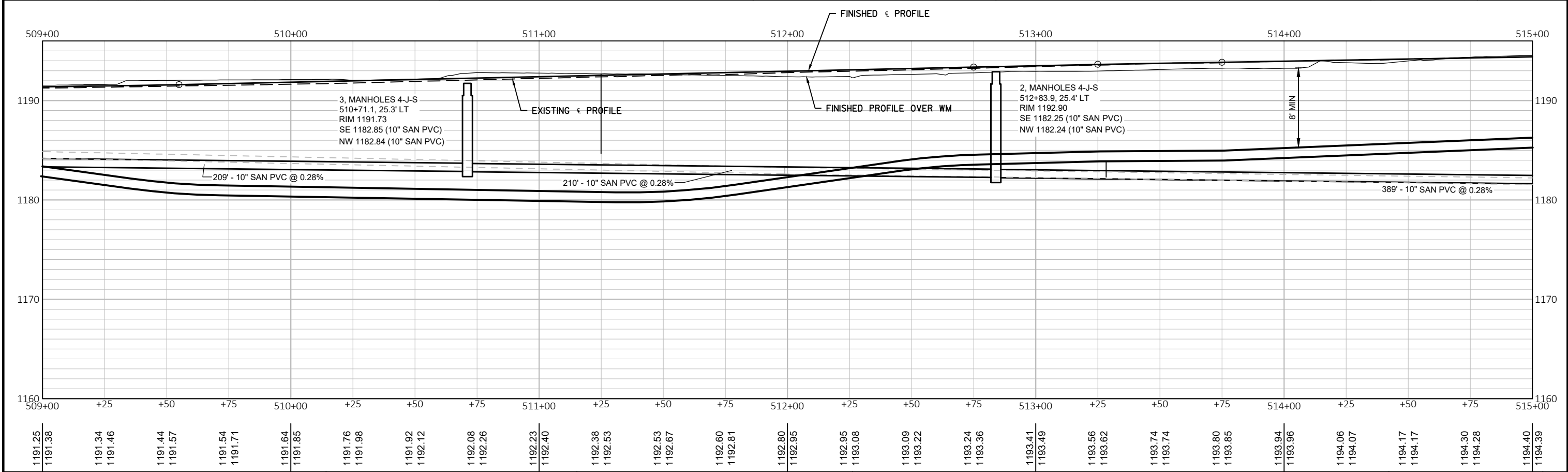
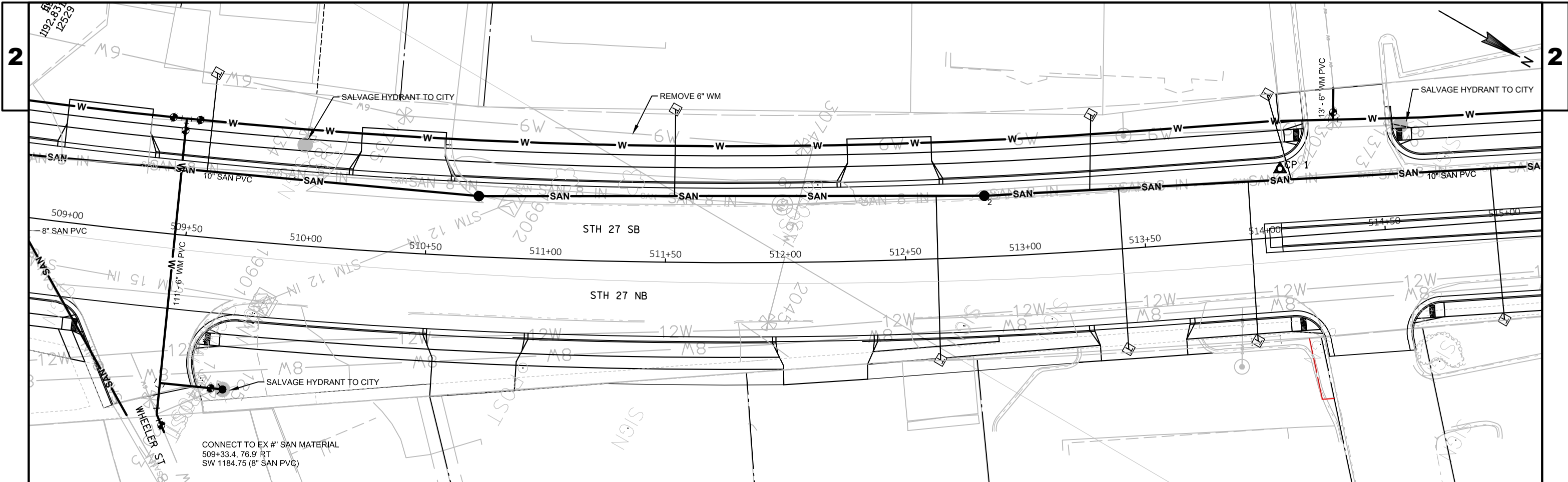
PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	SANITARY AND WATER DETAILS: STH 27	SHEET	E
------------------------	-------------	----------------	------------------------------------	-------	---



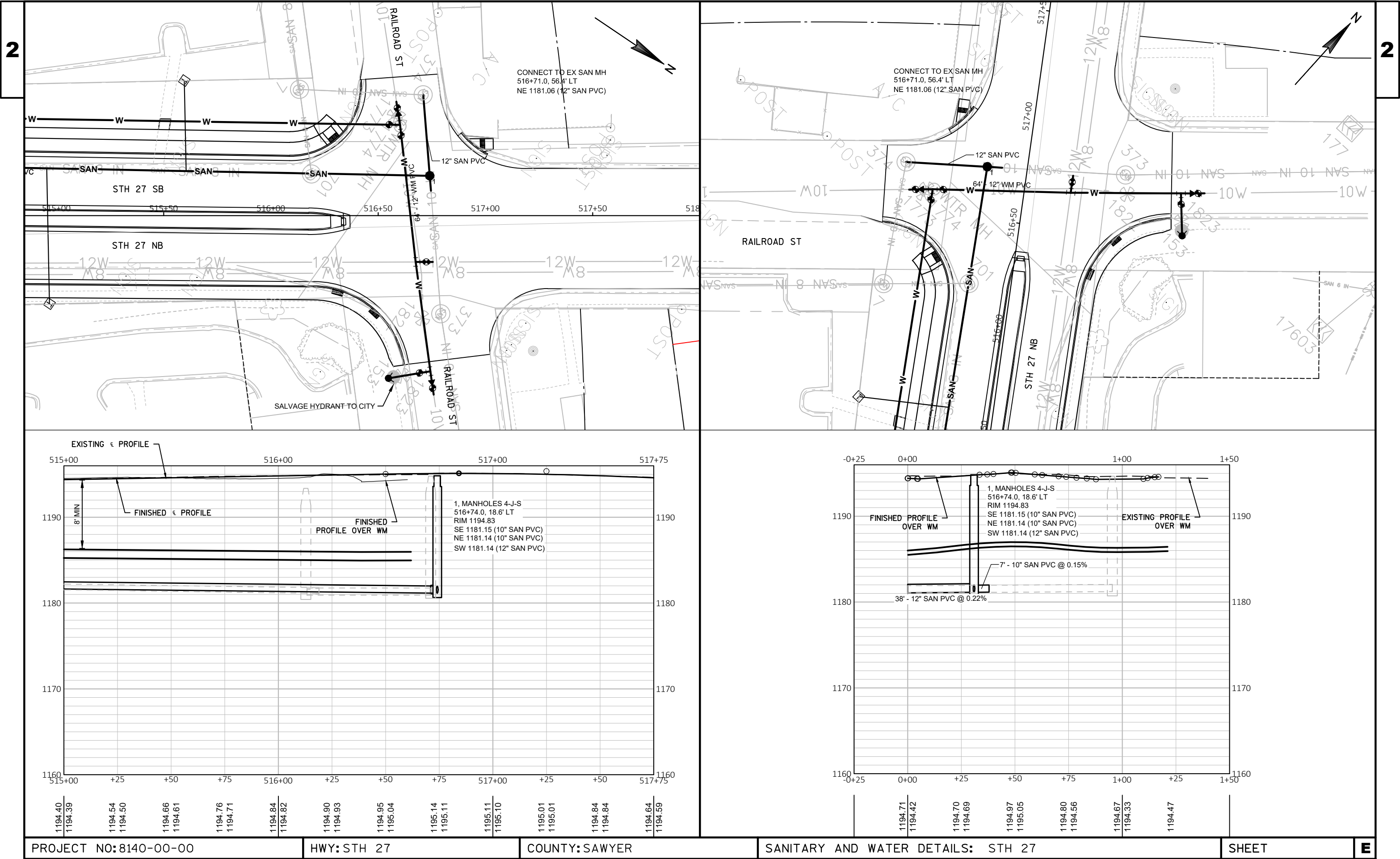


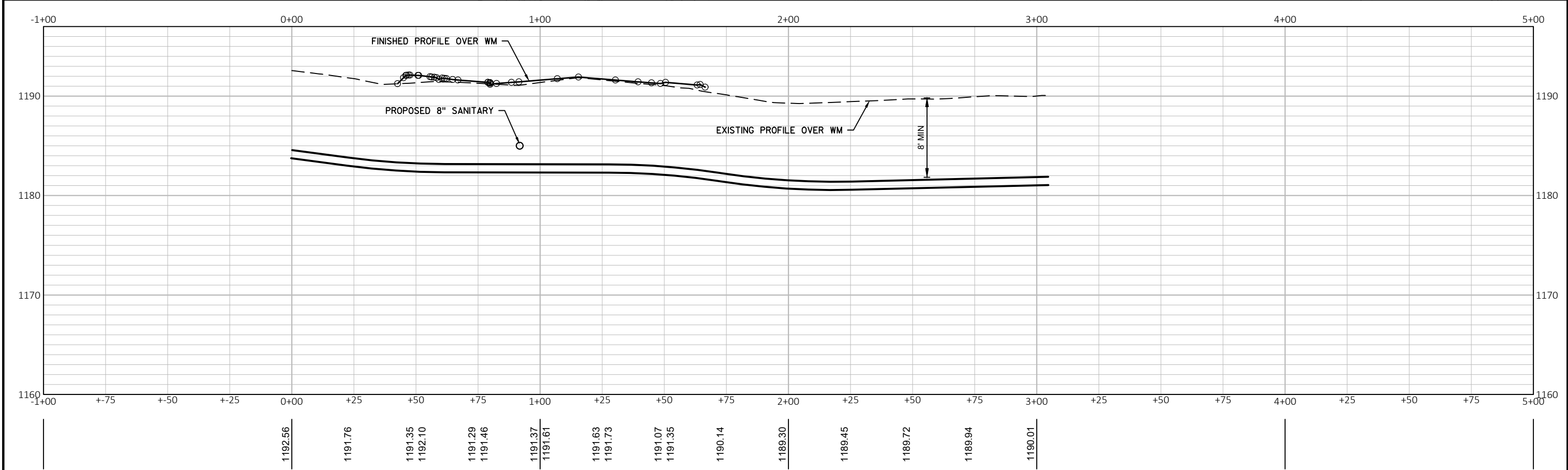
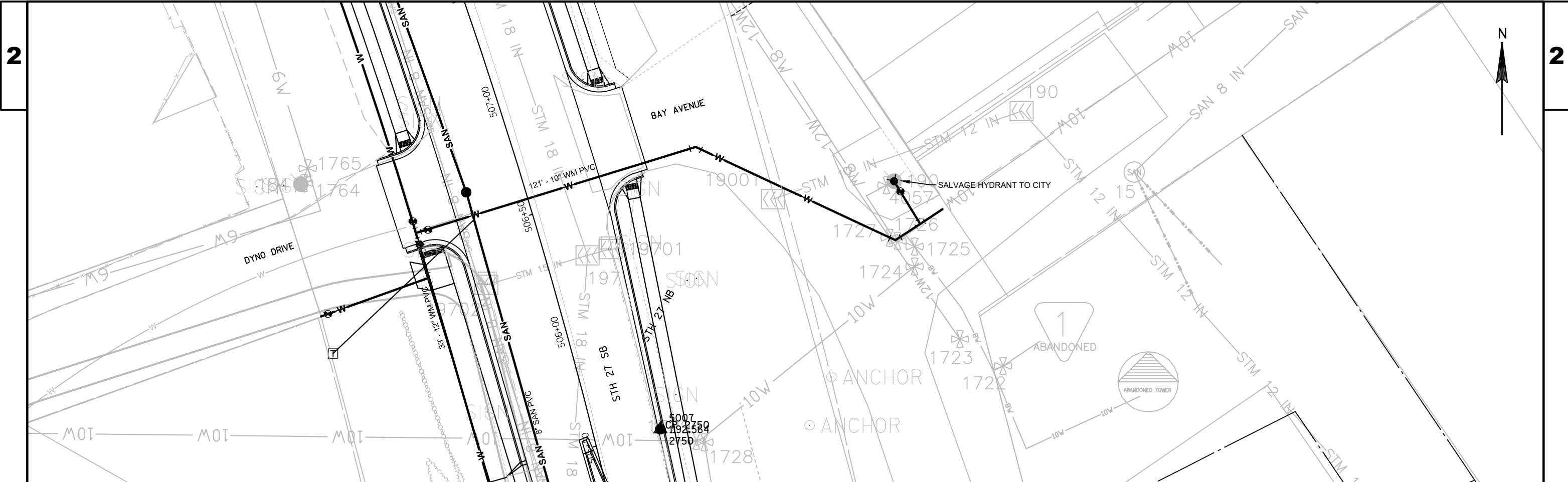


PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	SANITARY AND WATER DETAILS: STH 27	SHEET	E
------------------------	-------------	----------------	------------------------------------	-------	---

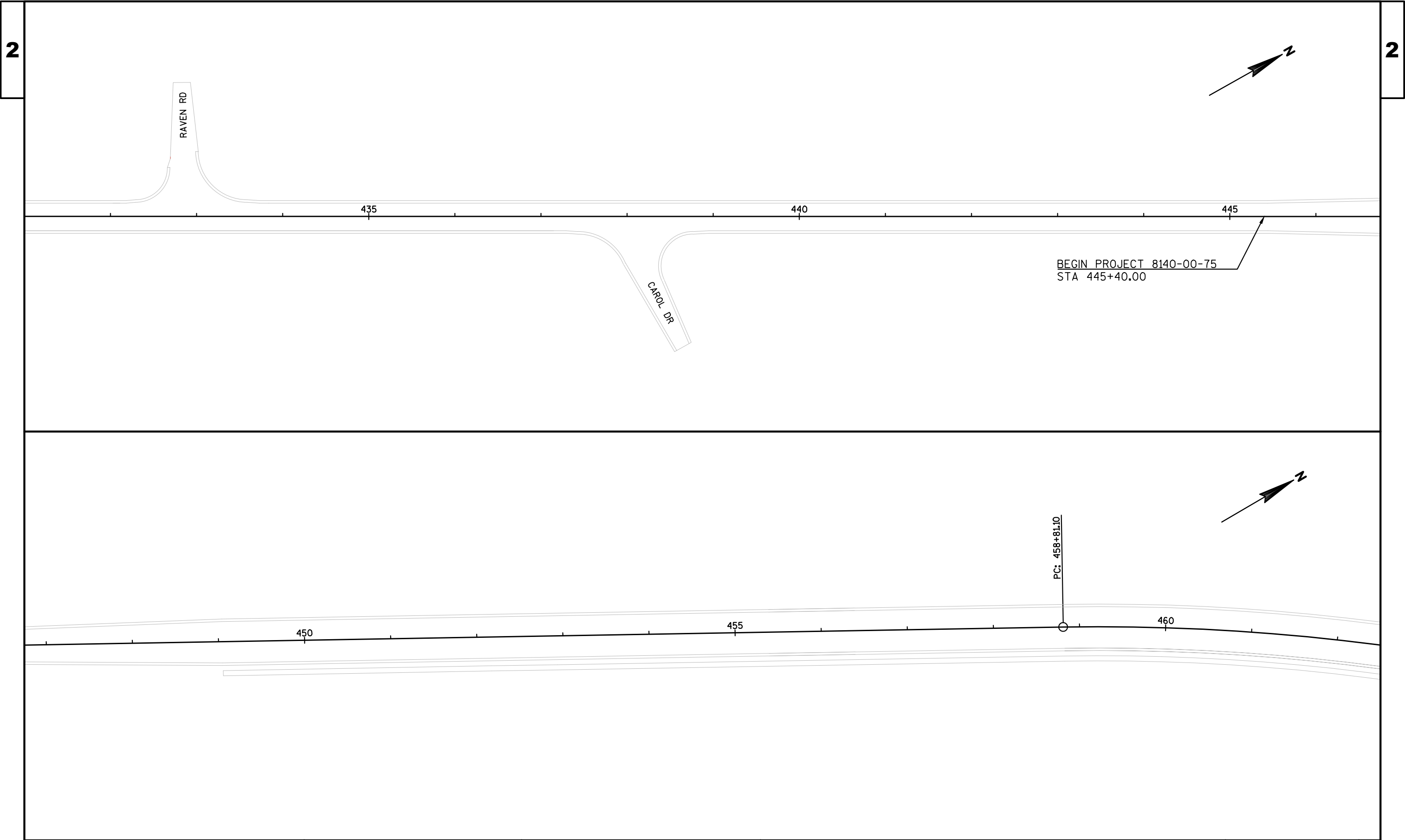


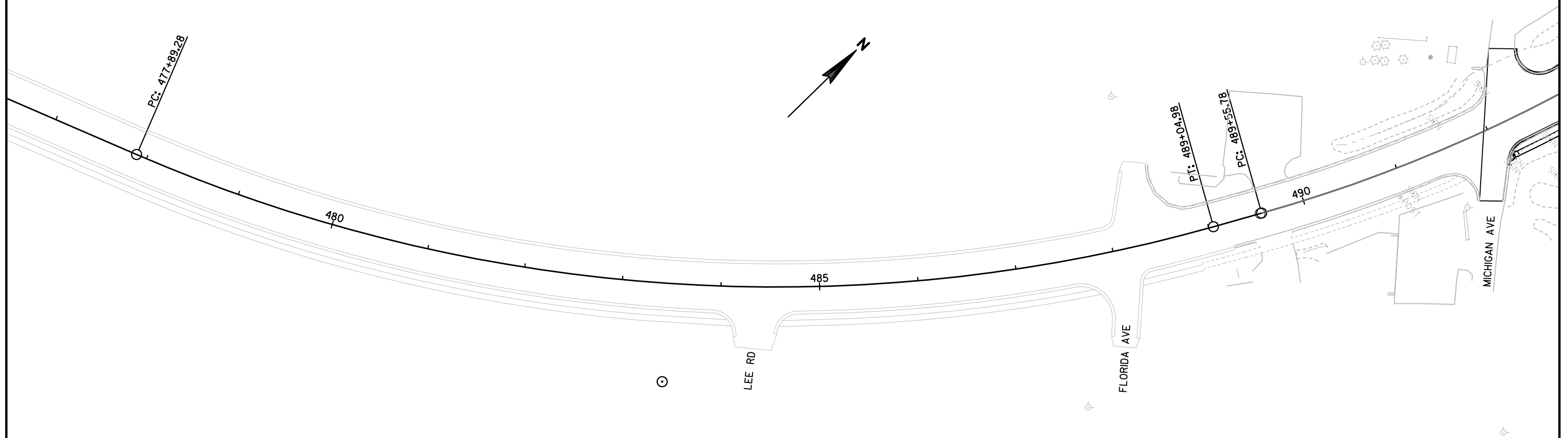
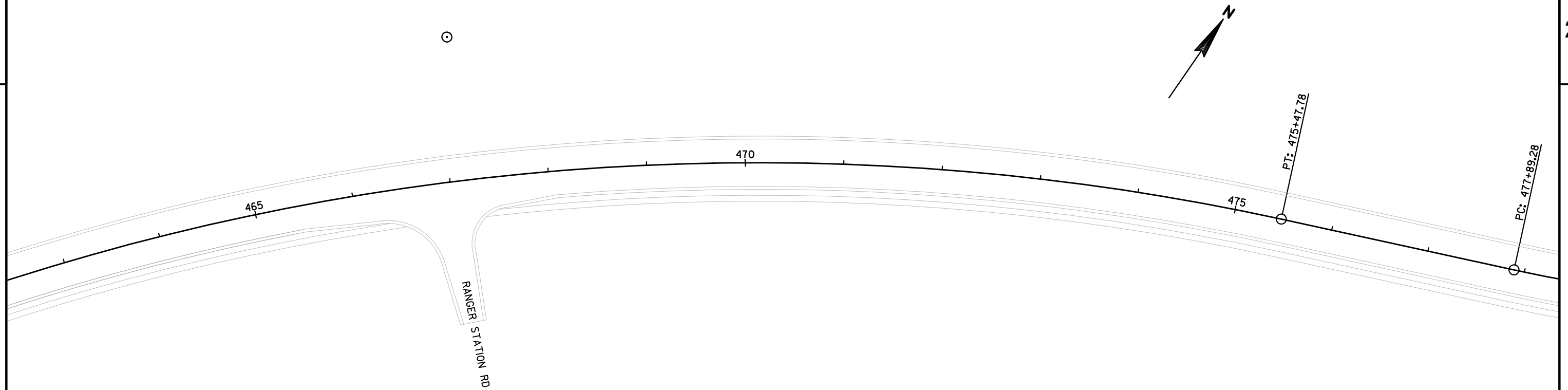
PROJECT NO: 8140-00-00					HWY: STH 27					COUNTY: SAWYER					SANITARY AND WATER DETAILS: STH 27					SHEET					E
------------------------	--	--	--	--	-------------	--	--	--	--	----------------	--	--	--	--	------------------------------------	--	--	--	--	-------	--	--	--	--	---





PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	SANITARY AND WATER DETAILS: BAY AVE	SHEET	E
------------------------	-------------	----------------	-------------------------------------	-------	---





PROJECT NO: 8140-00-75

HWY: STH 27

COUNTY: SAWYER

PLAN

SHEET

E

FILE NAME : V:\TRANS-EC\410696\C3D\SHEETS\PLAN\050100_PP.DWG
LAYOUT NAME - 050102_PP

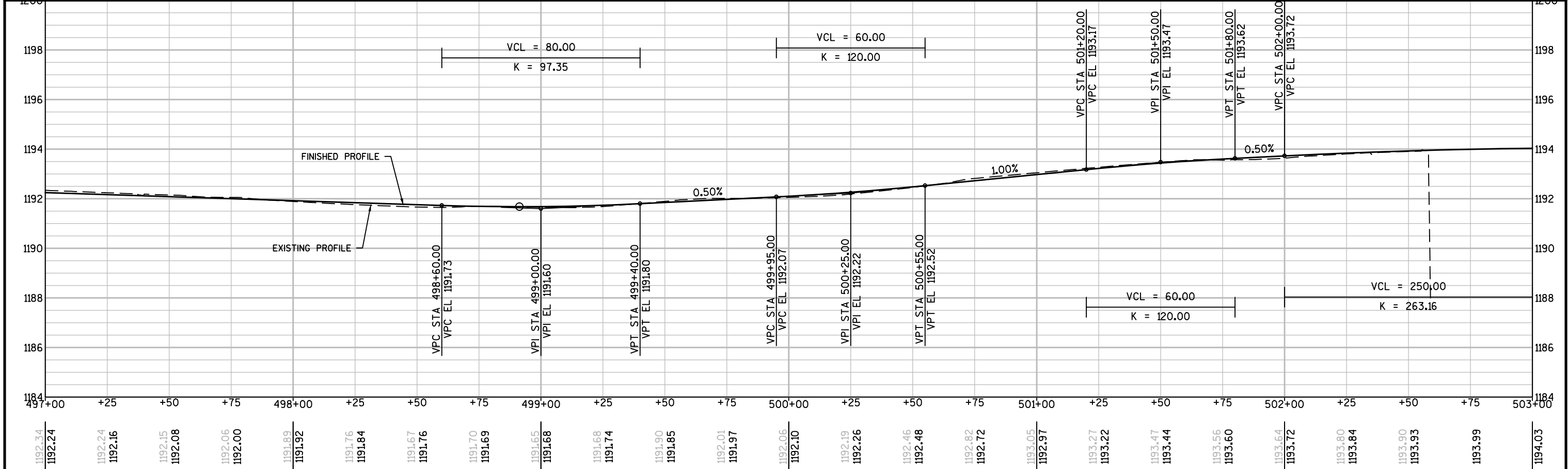
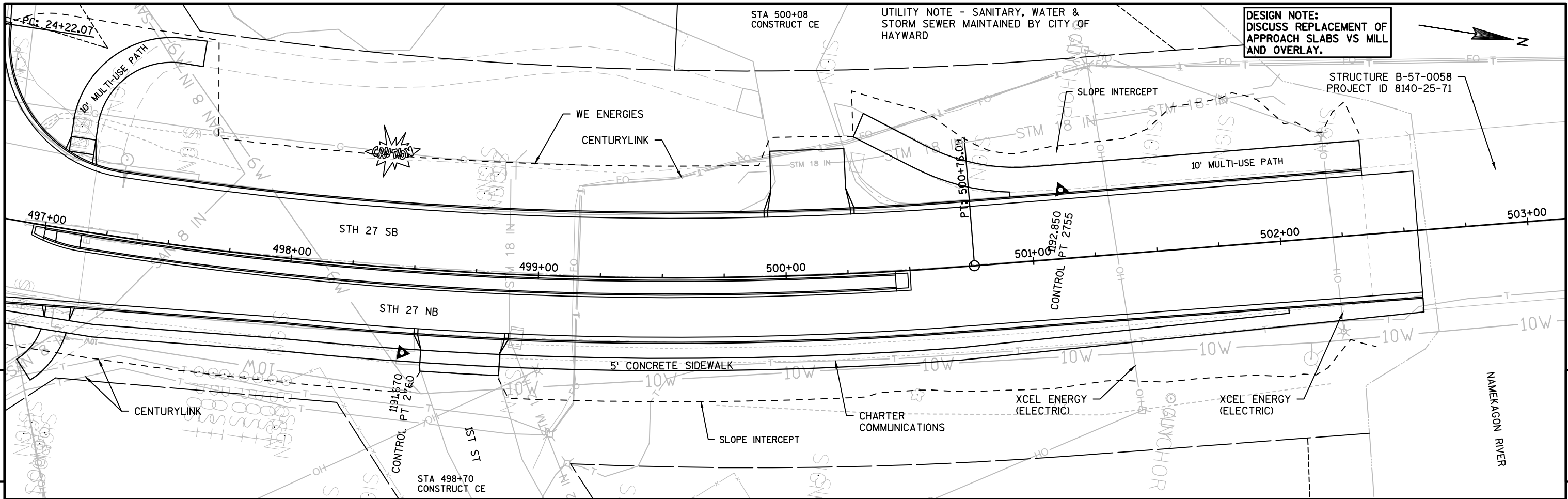
PLOT DATE : 8/8/2017 2:29 PM

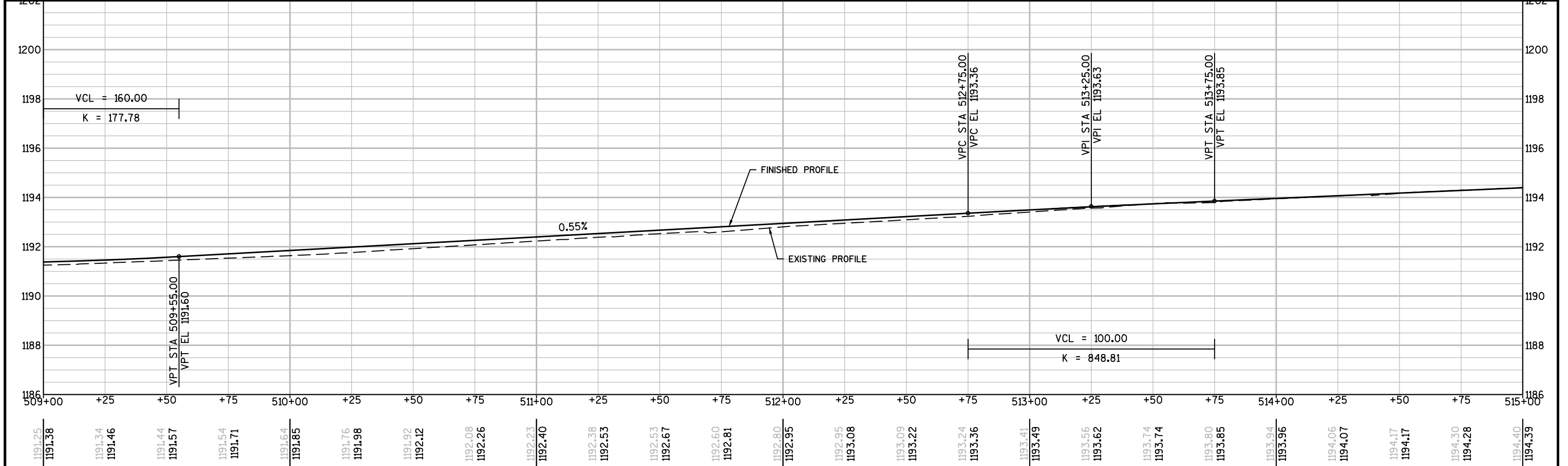
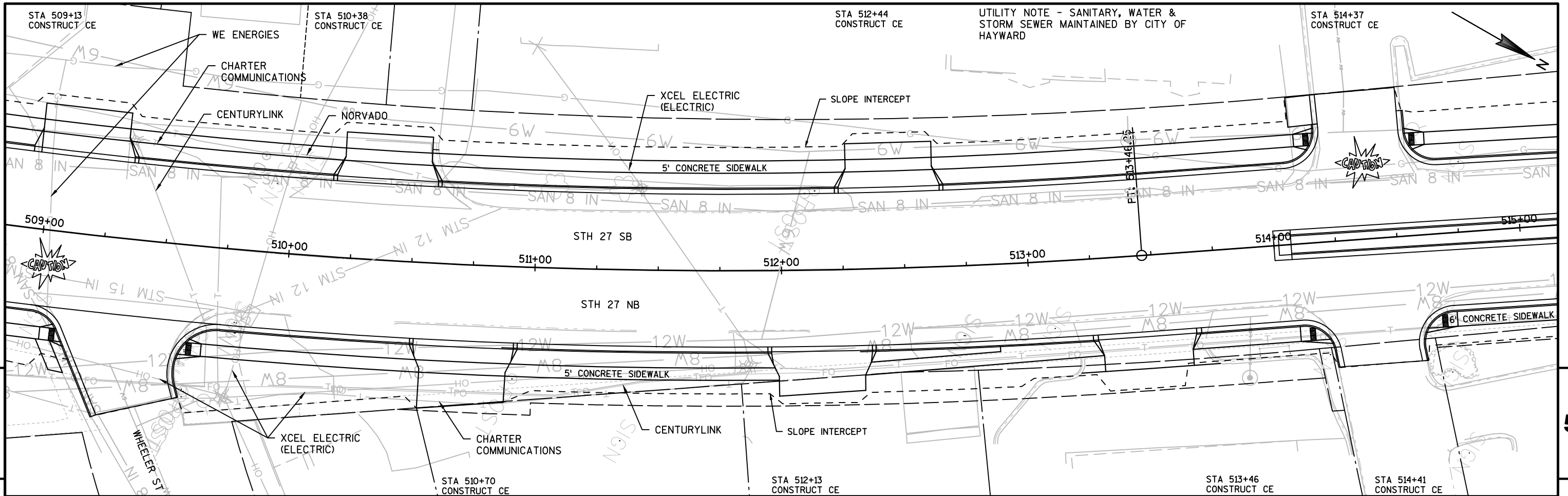
PLOT BY : HEDRINGTON, MARK

PLOT NAME :

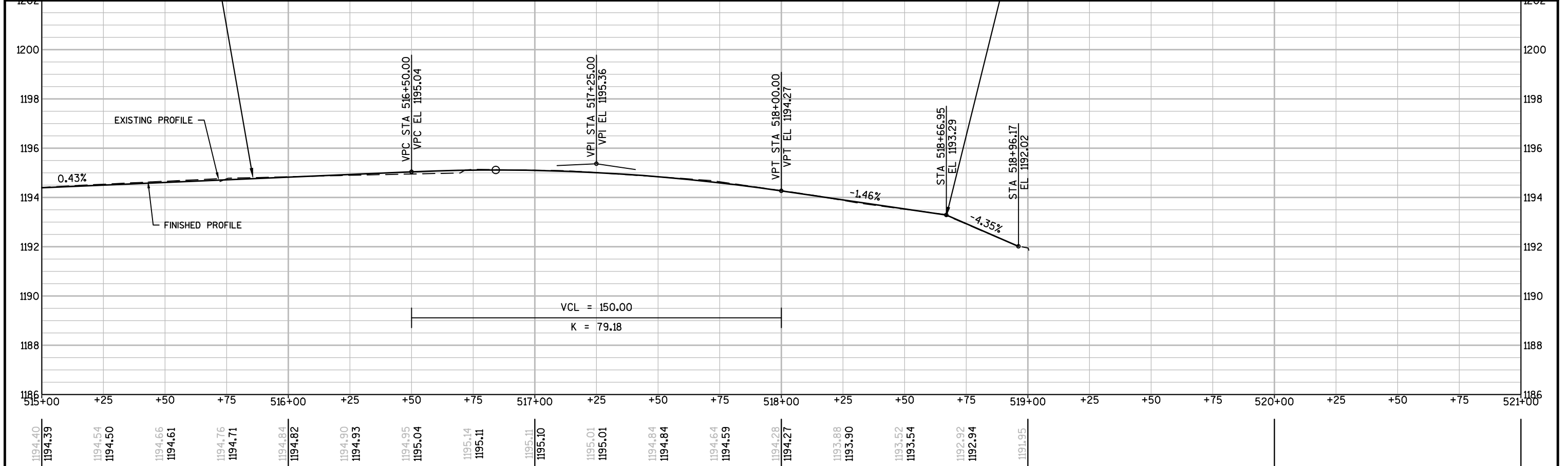
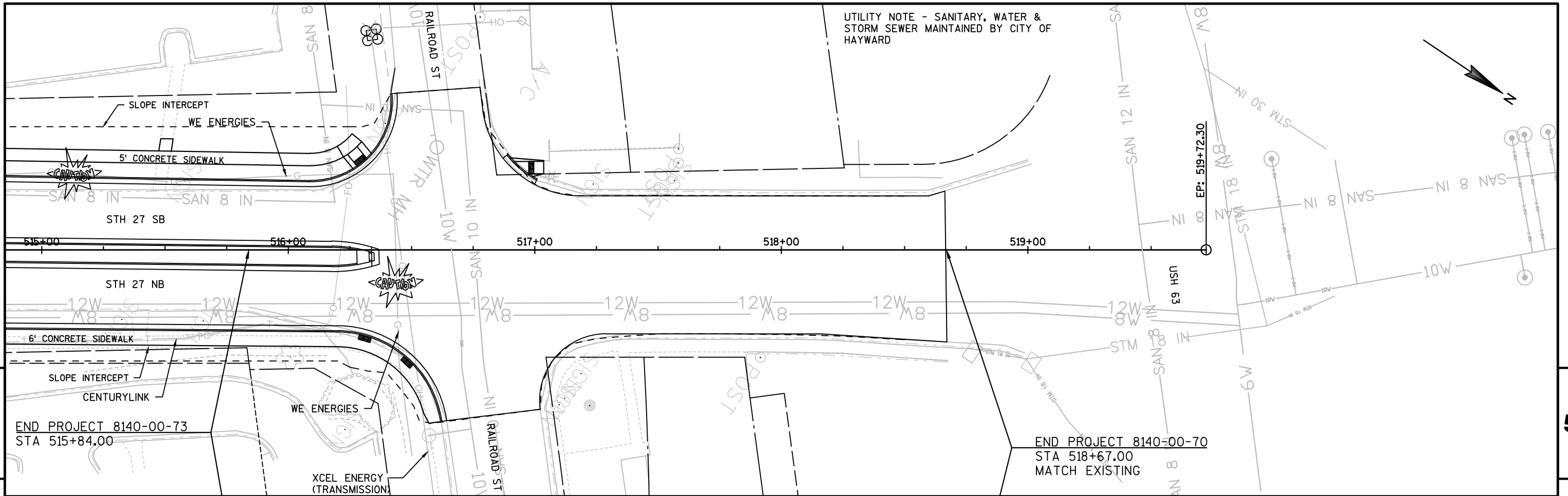
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDs SHEET 44

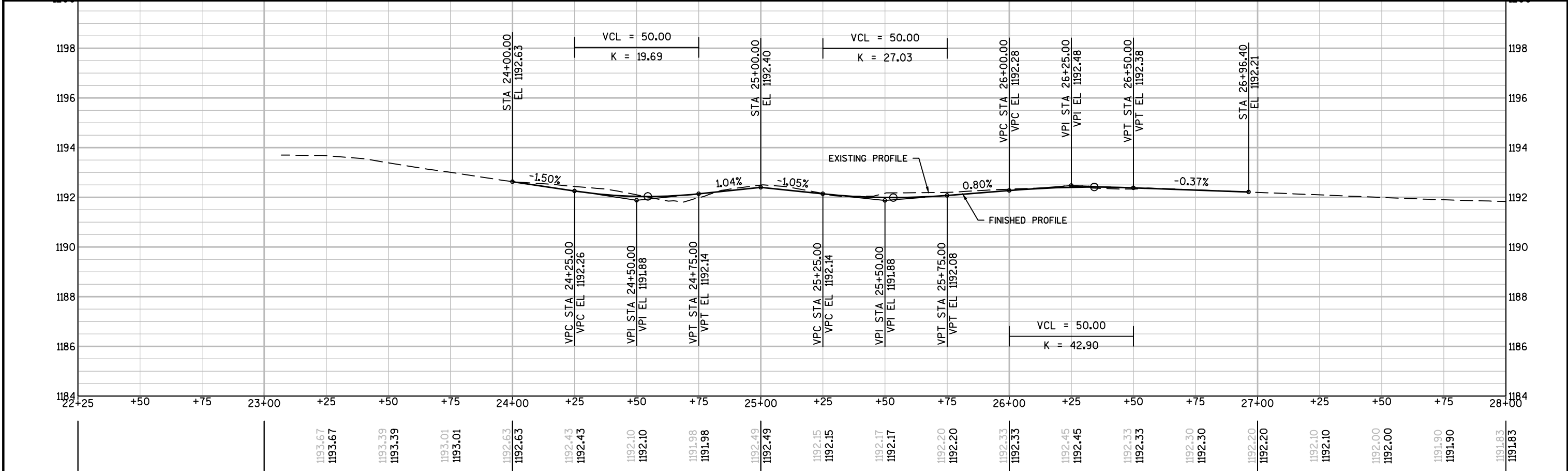
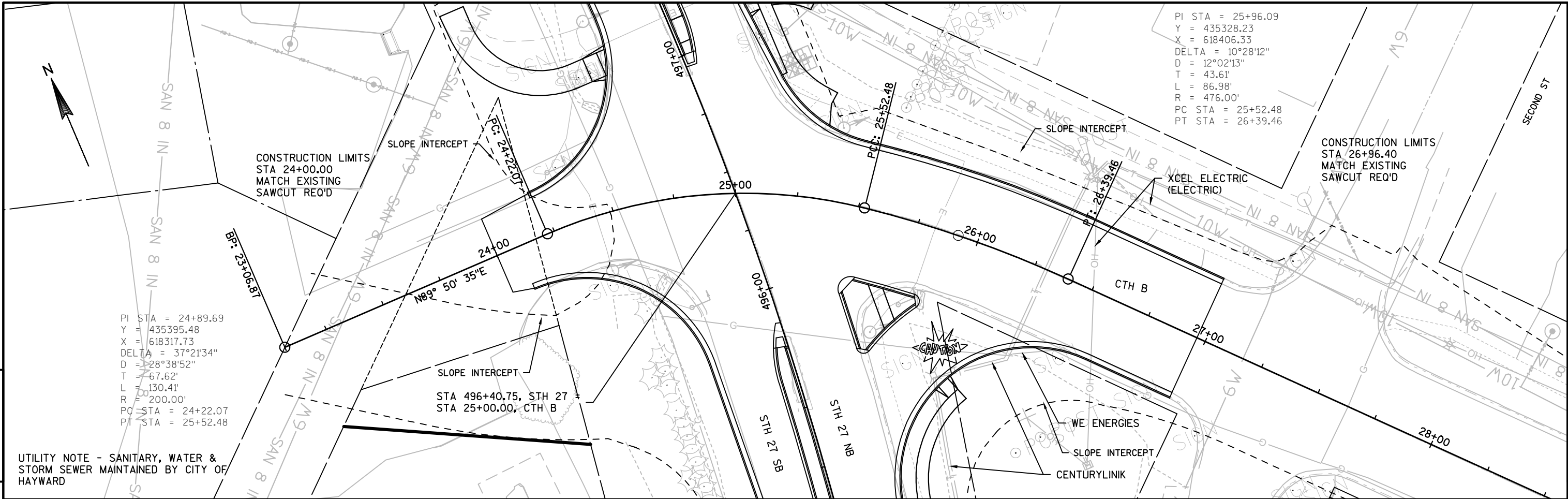


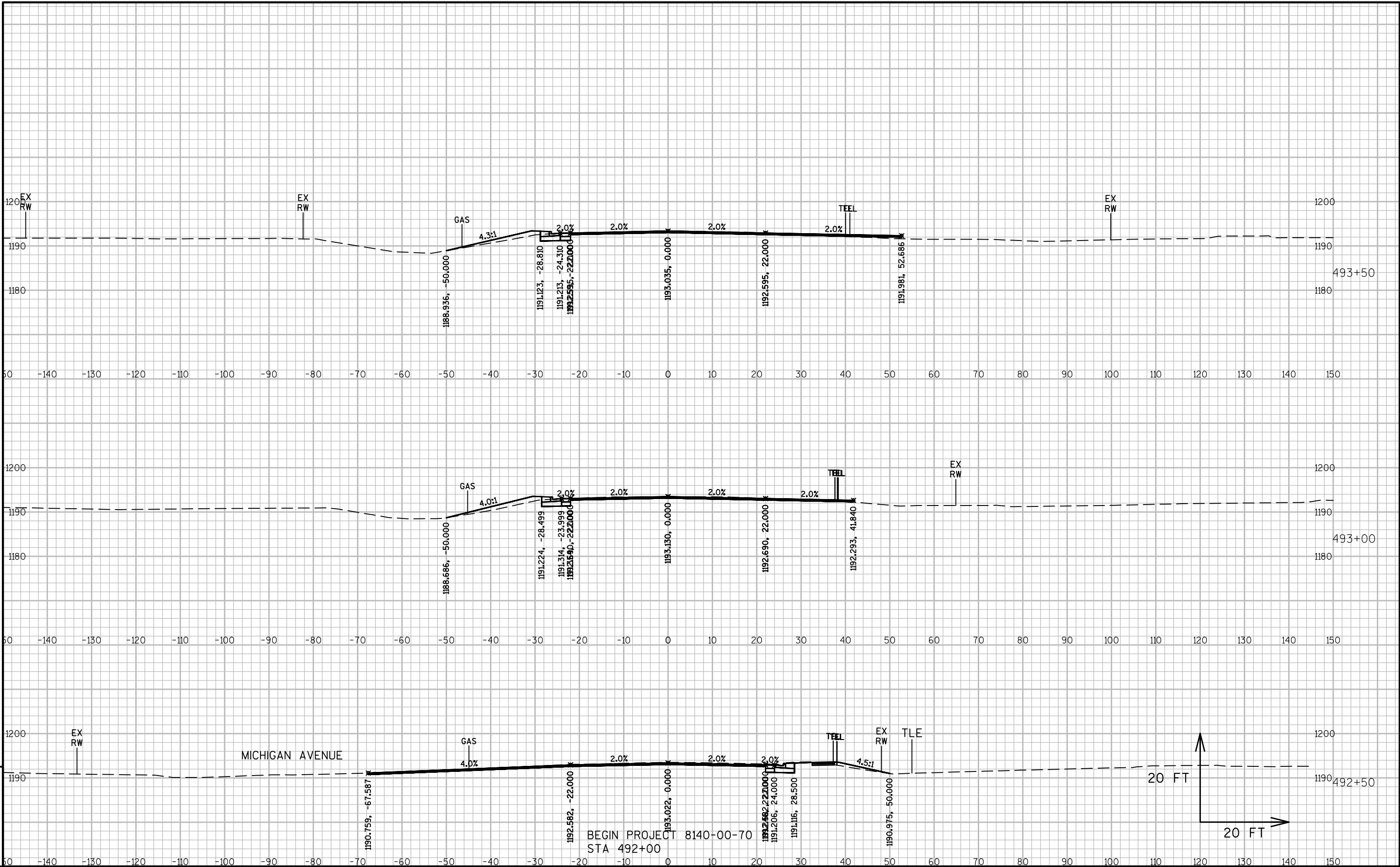


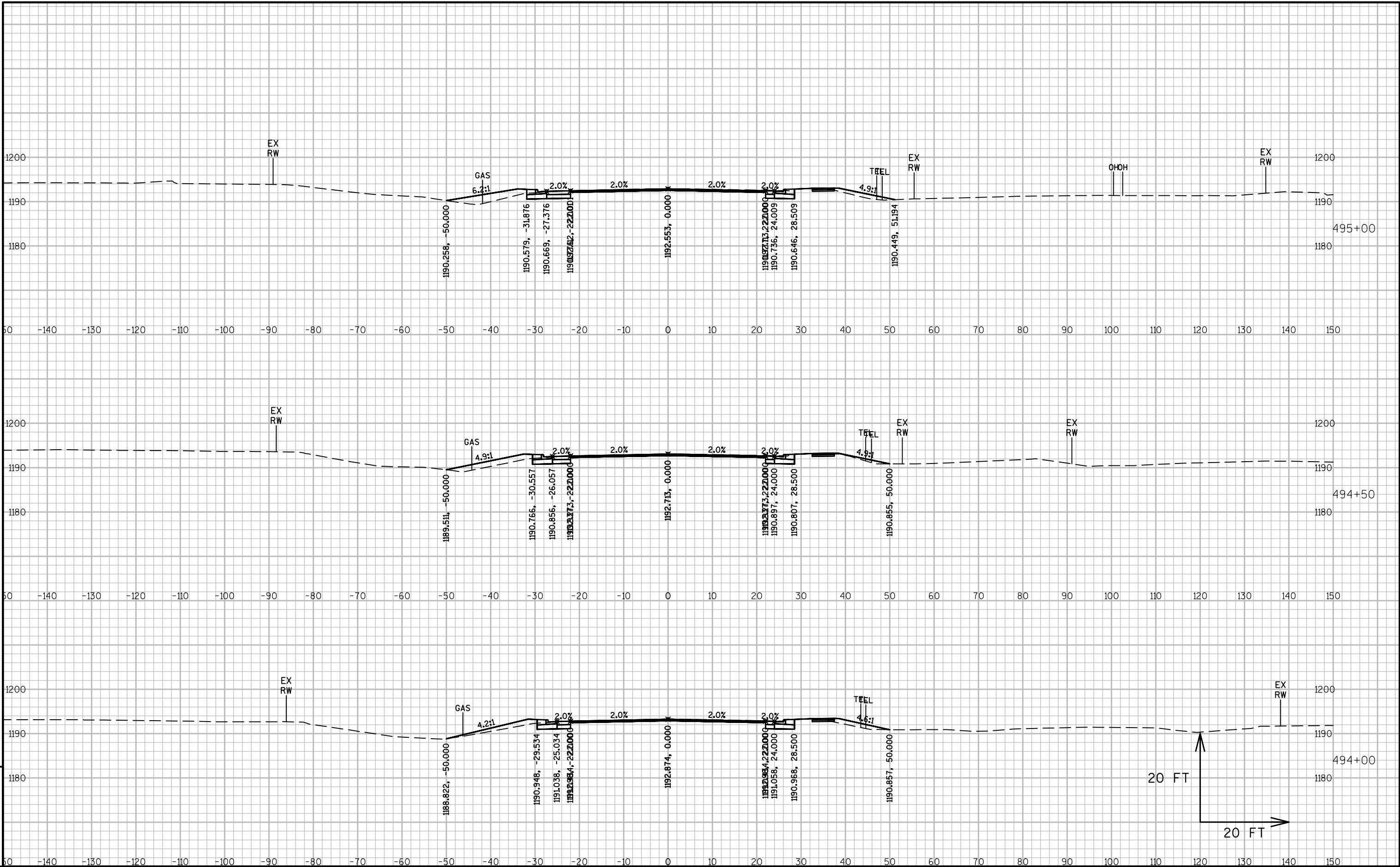
PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	PLAN AND PROFILE: STH 27	SHEET	E
------------------------	-------------	----------------	--------------------------	-------	---

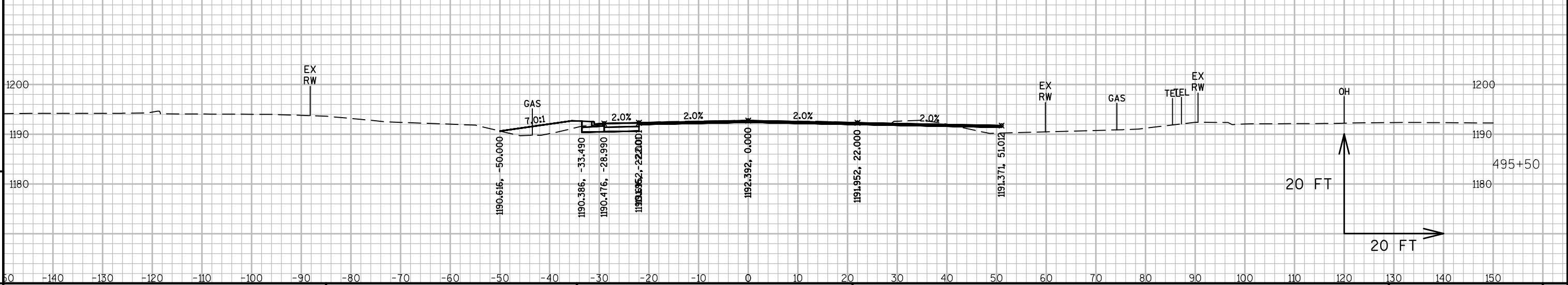
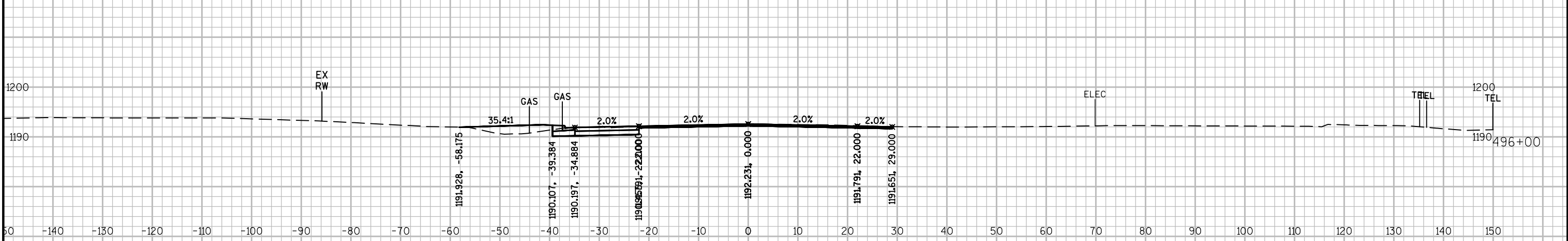
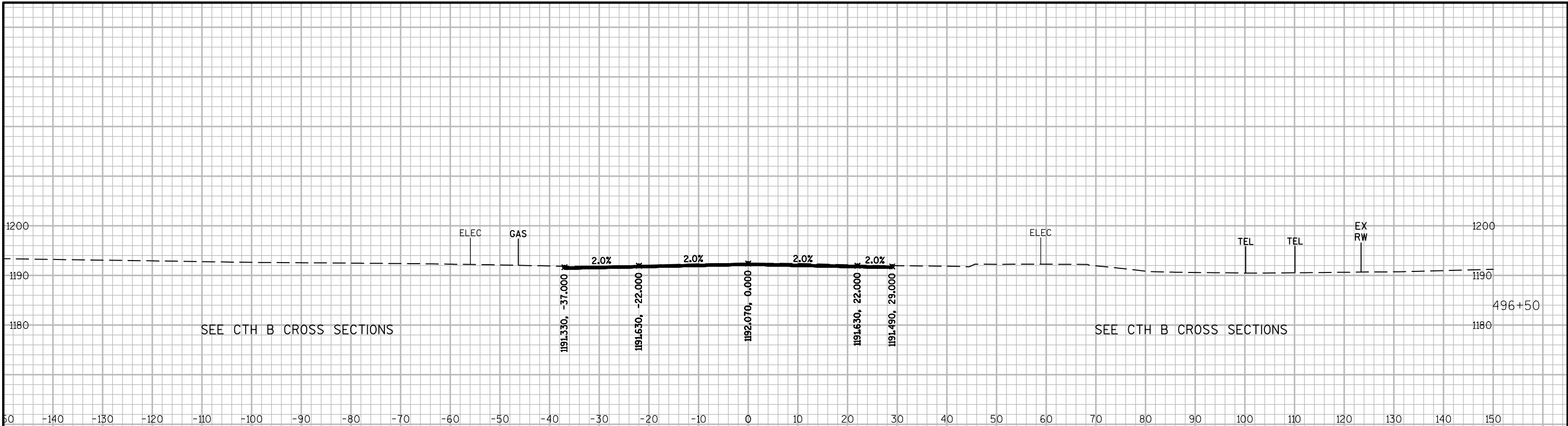


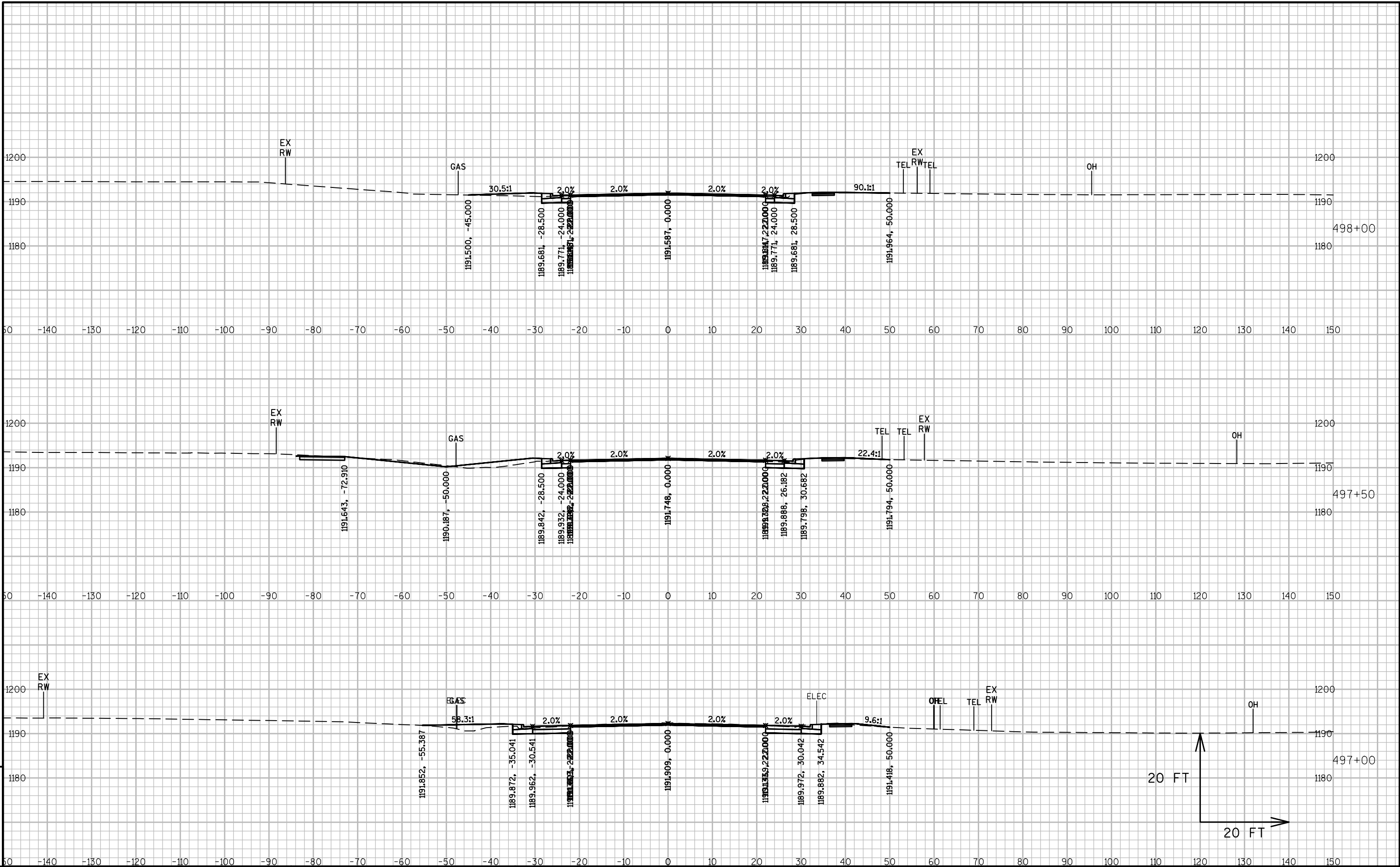
PROJECT NO: 8140-00-00	HWY: STH 27	COUNTY: SAWYER	PLAN AND PROFILE: STH 27	SHEET	E
------------------------	-------------	----------------	--------------------------	-------	---

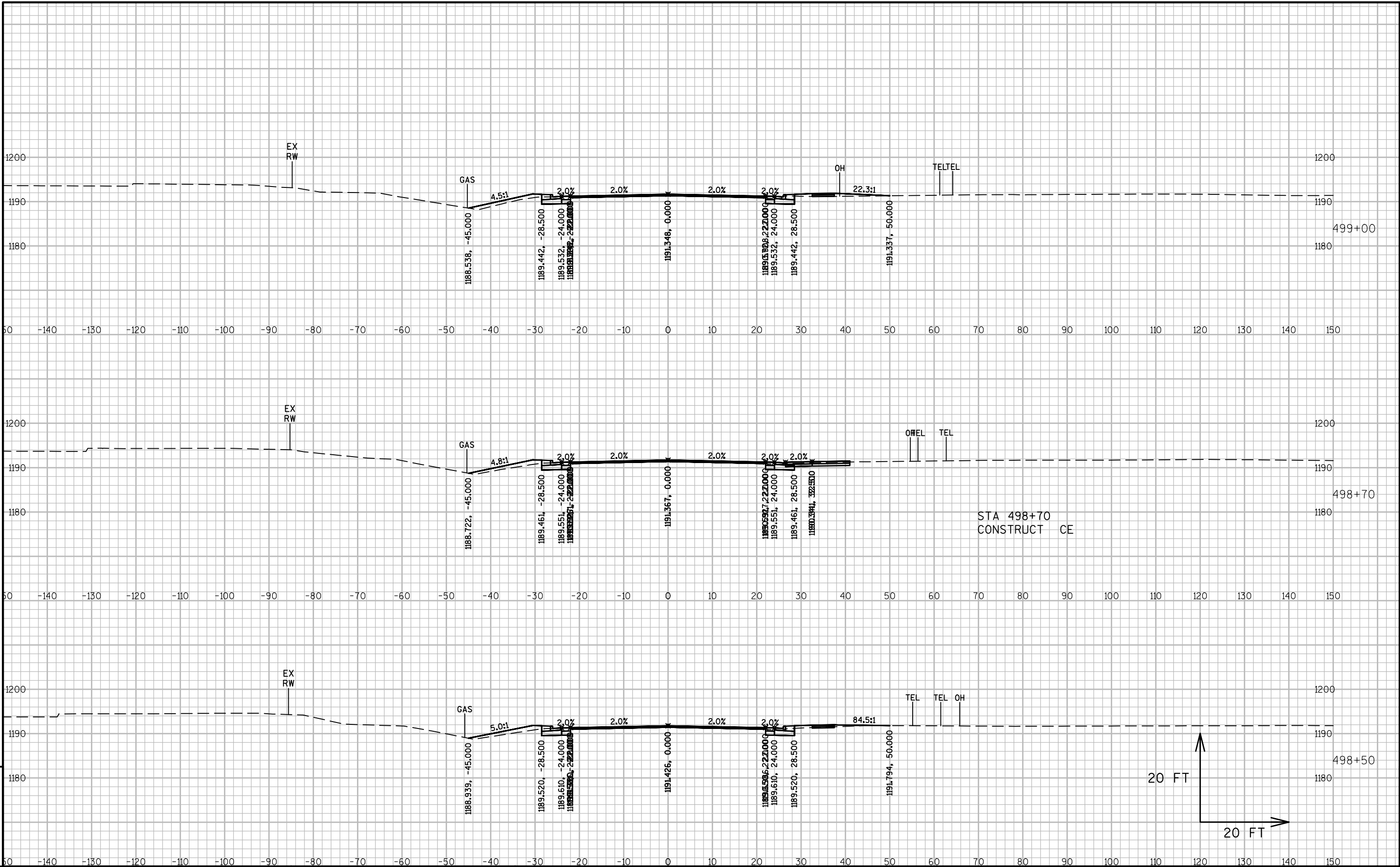


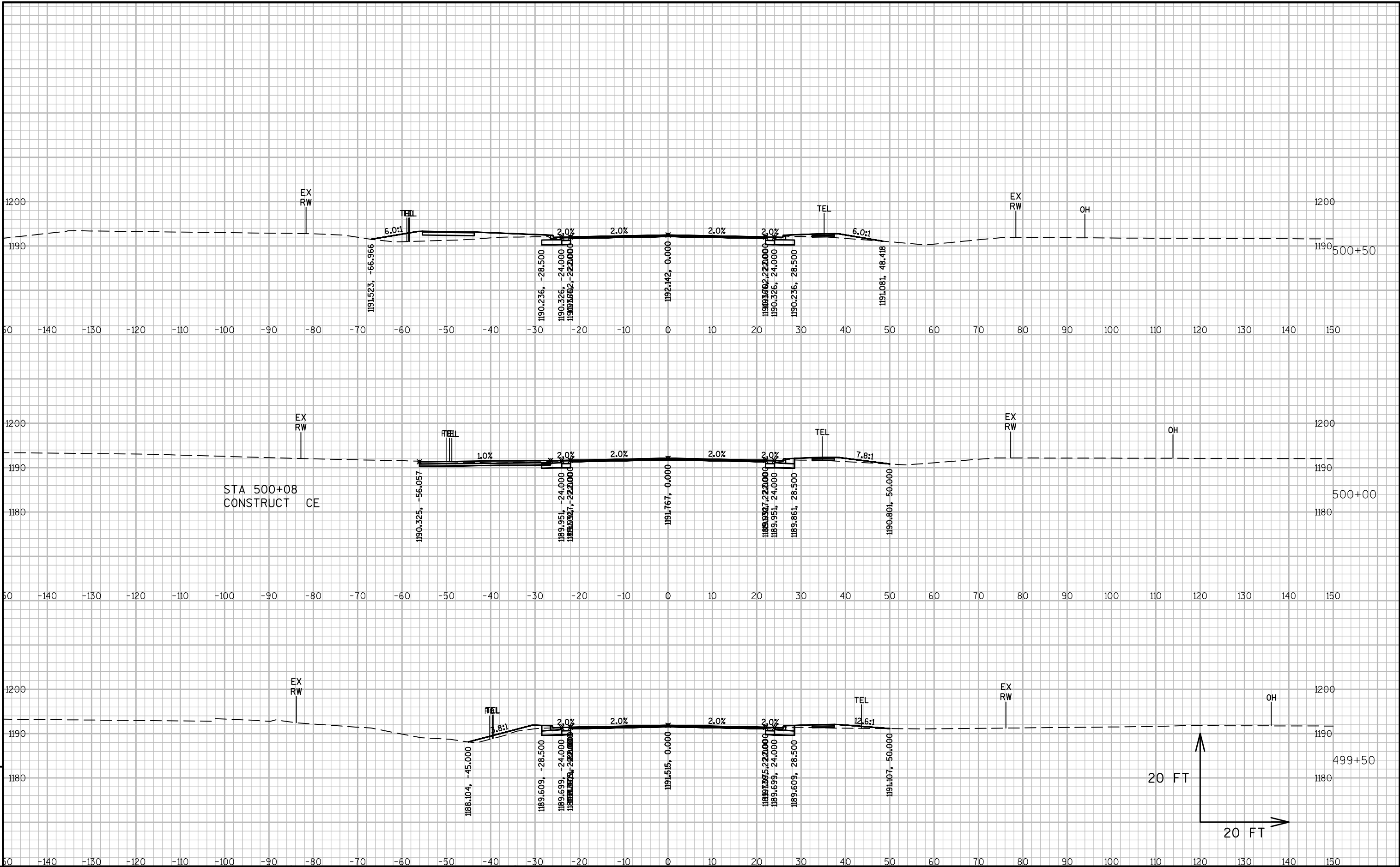


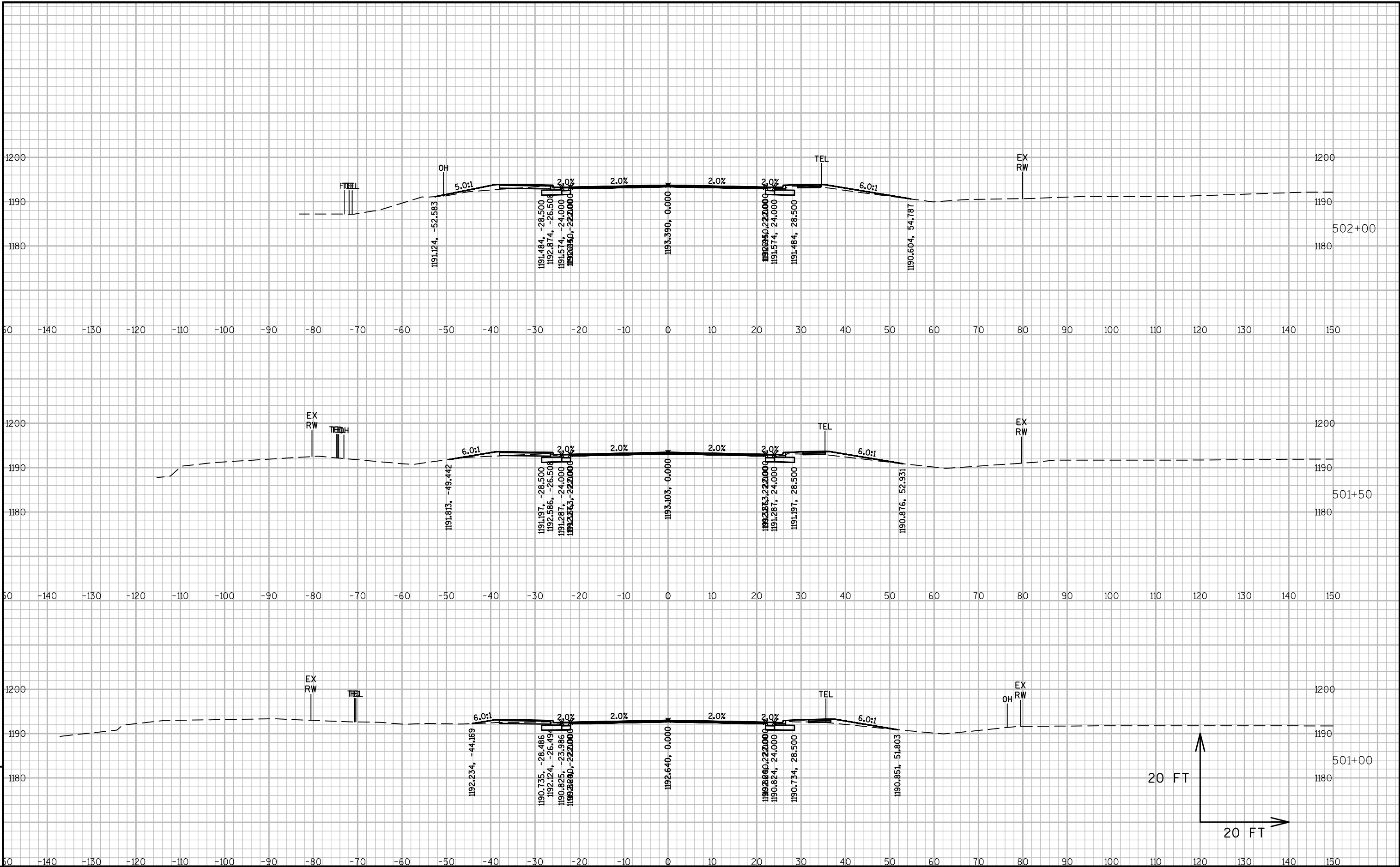


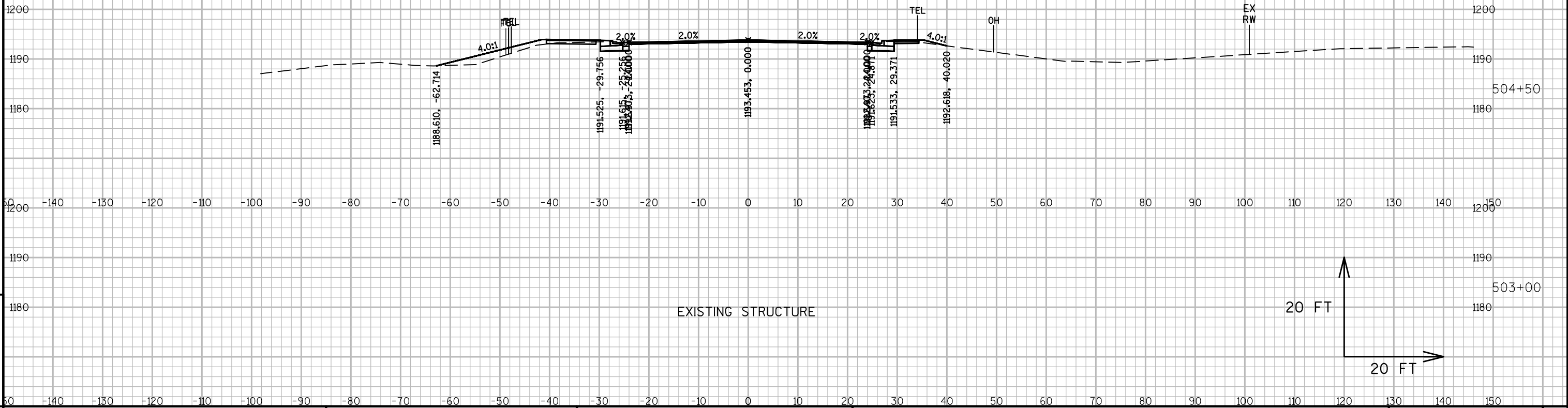
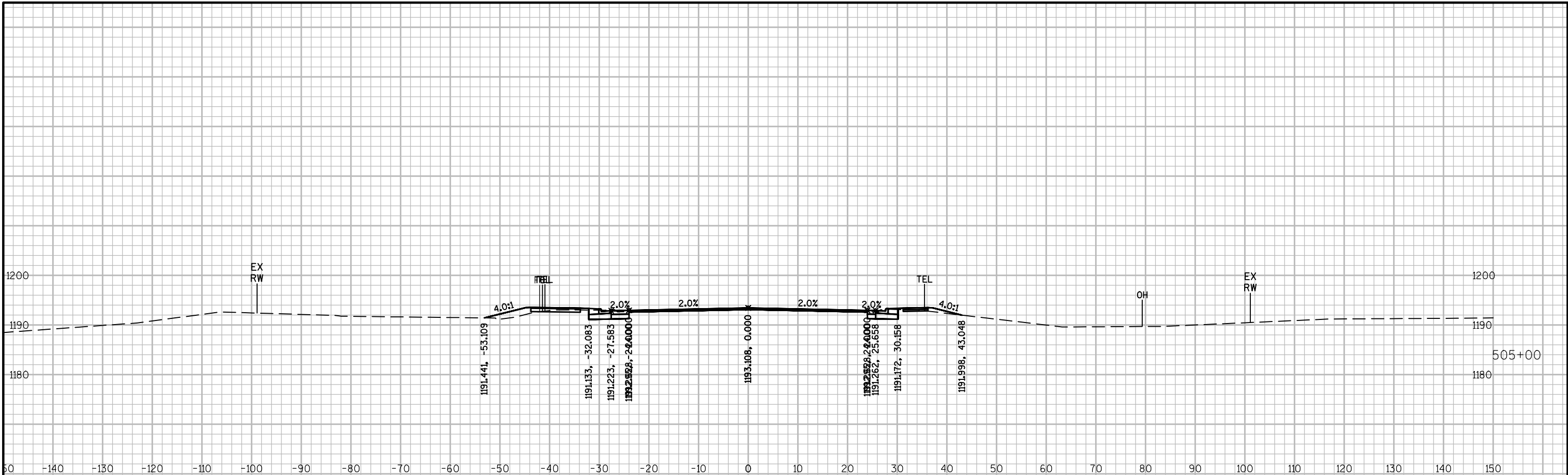


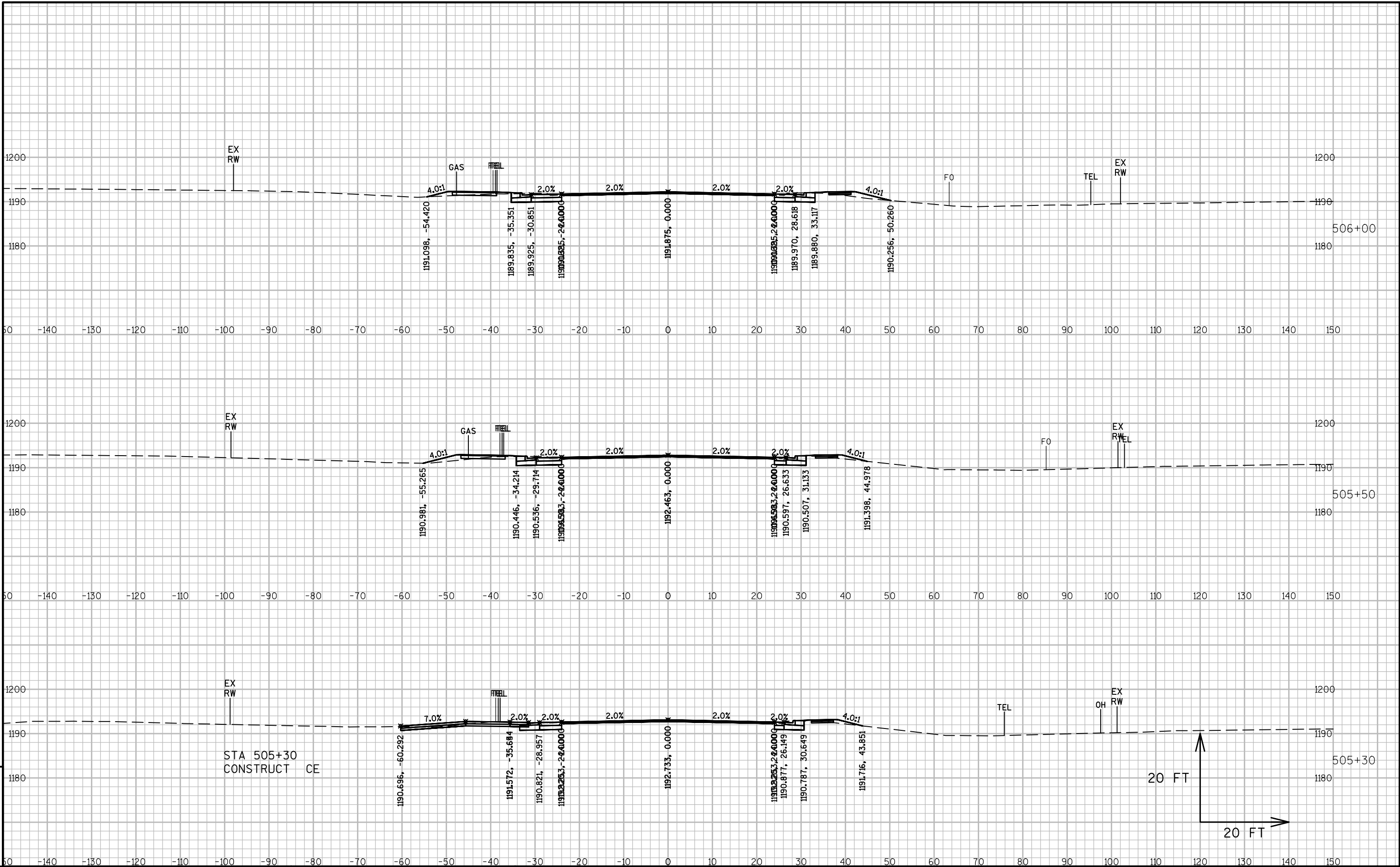


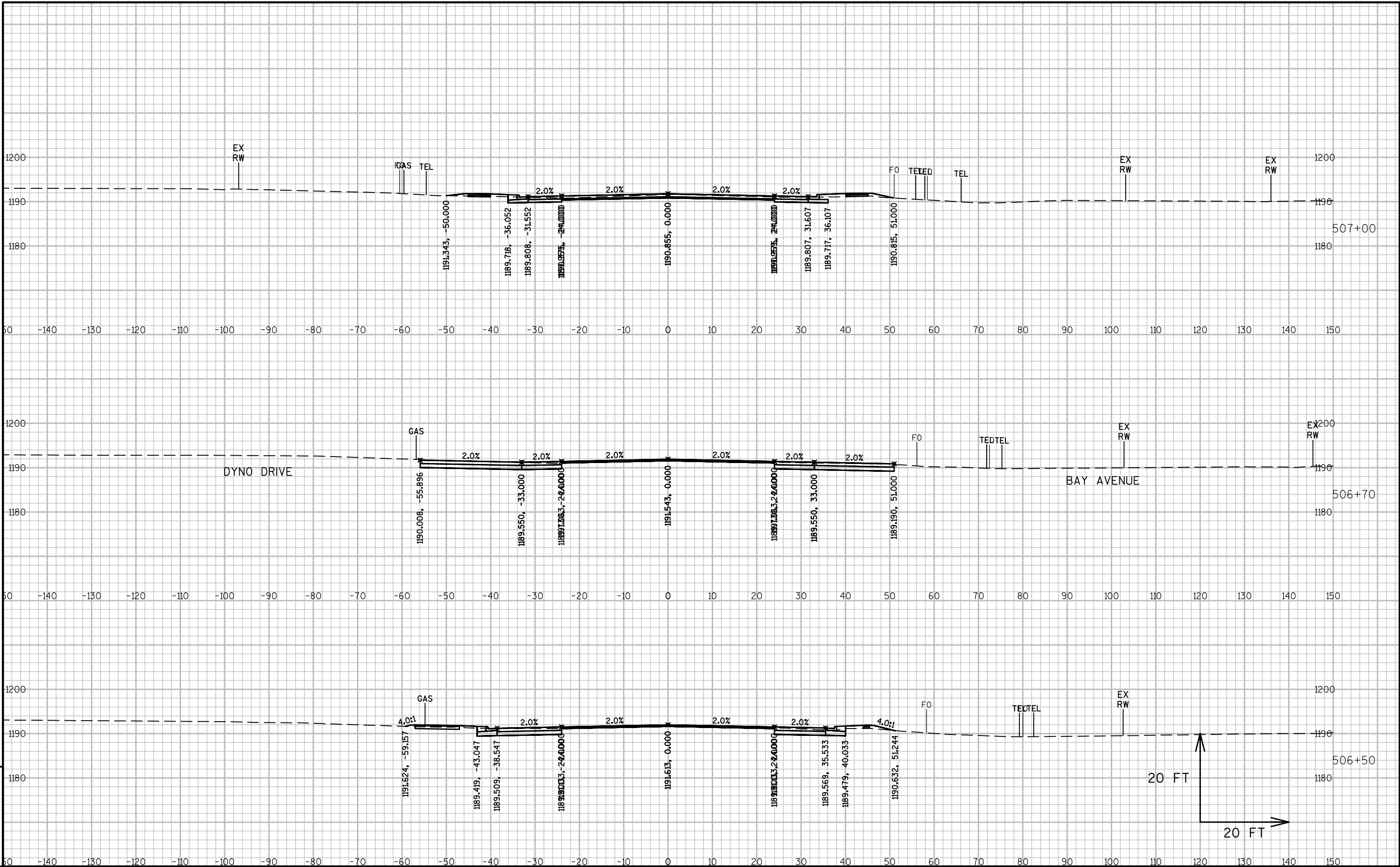


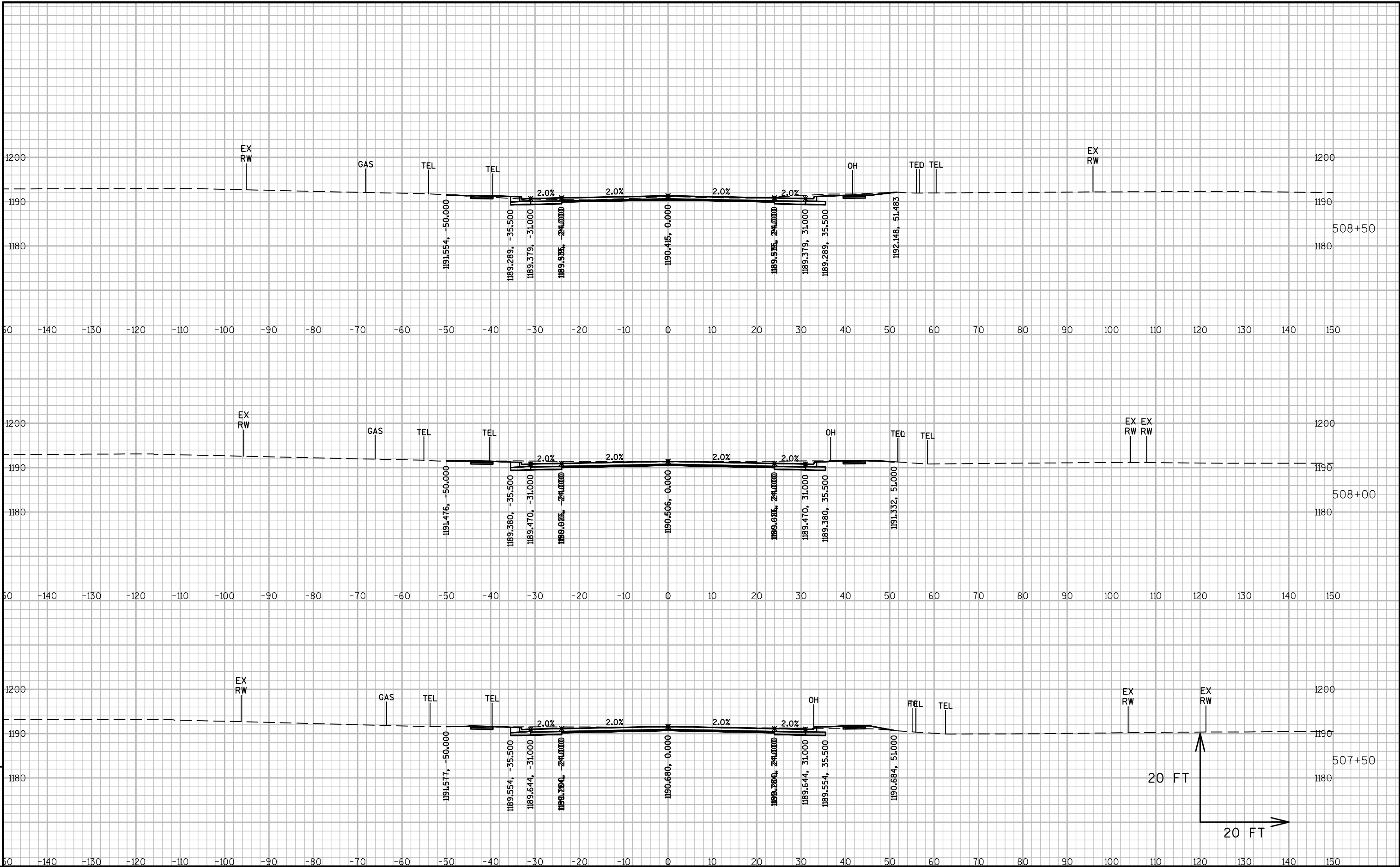


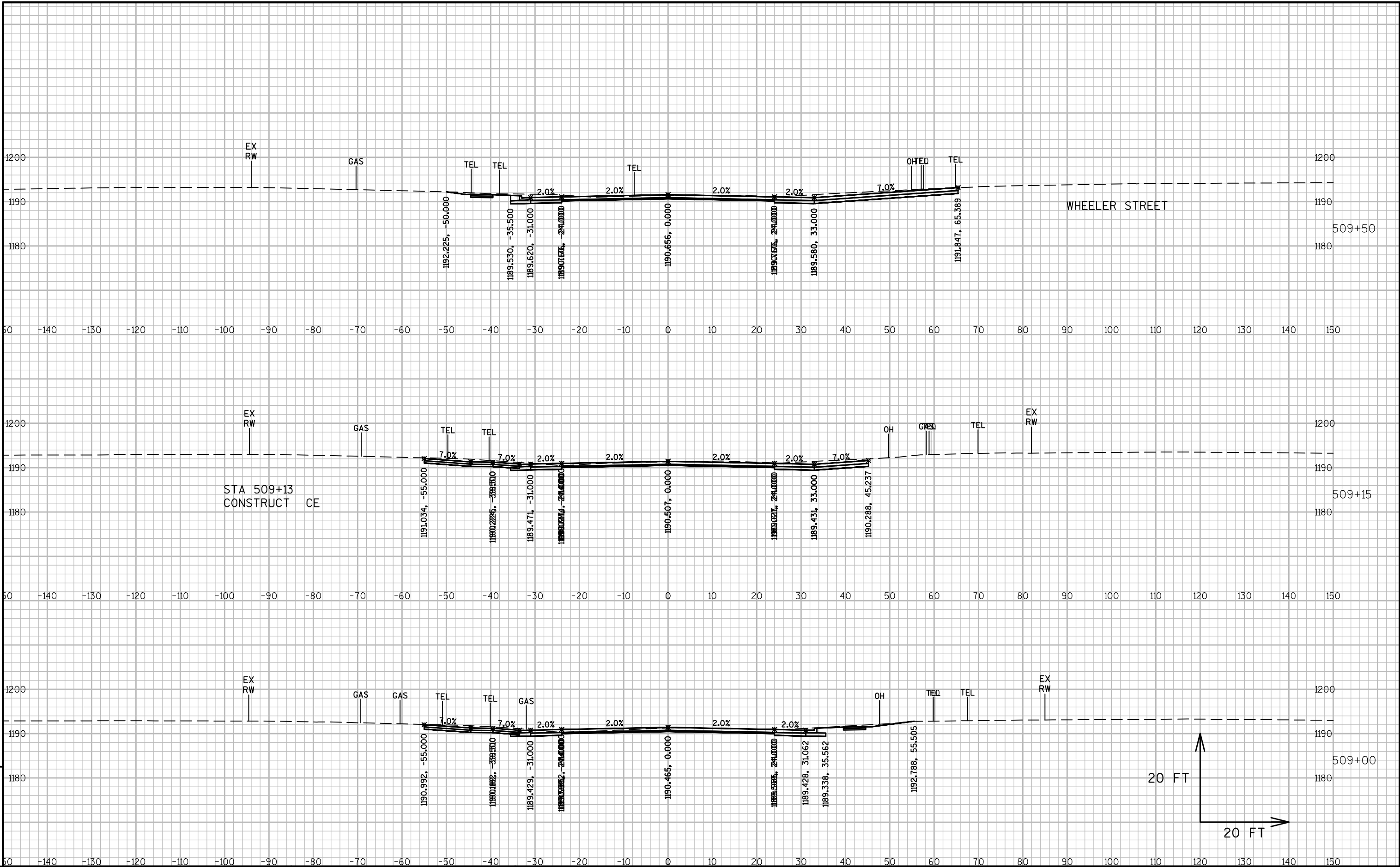


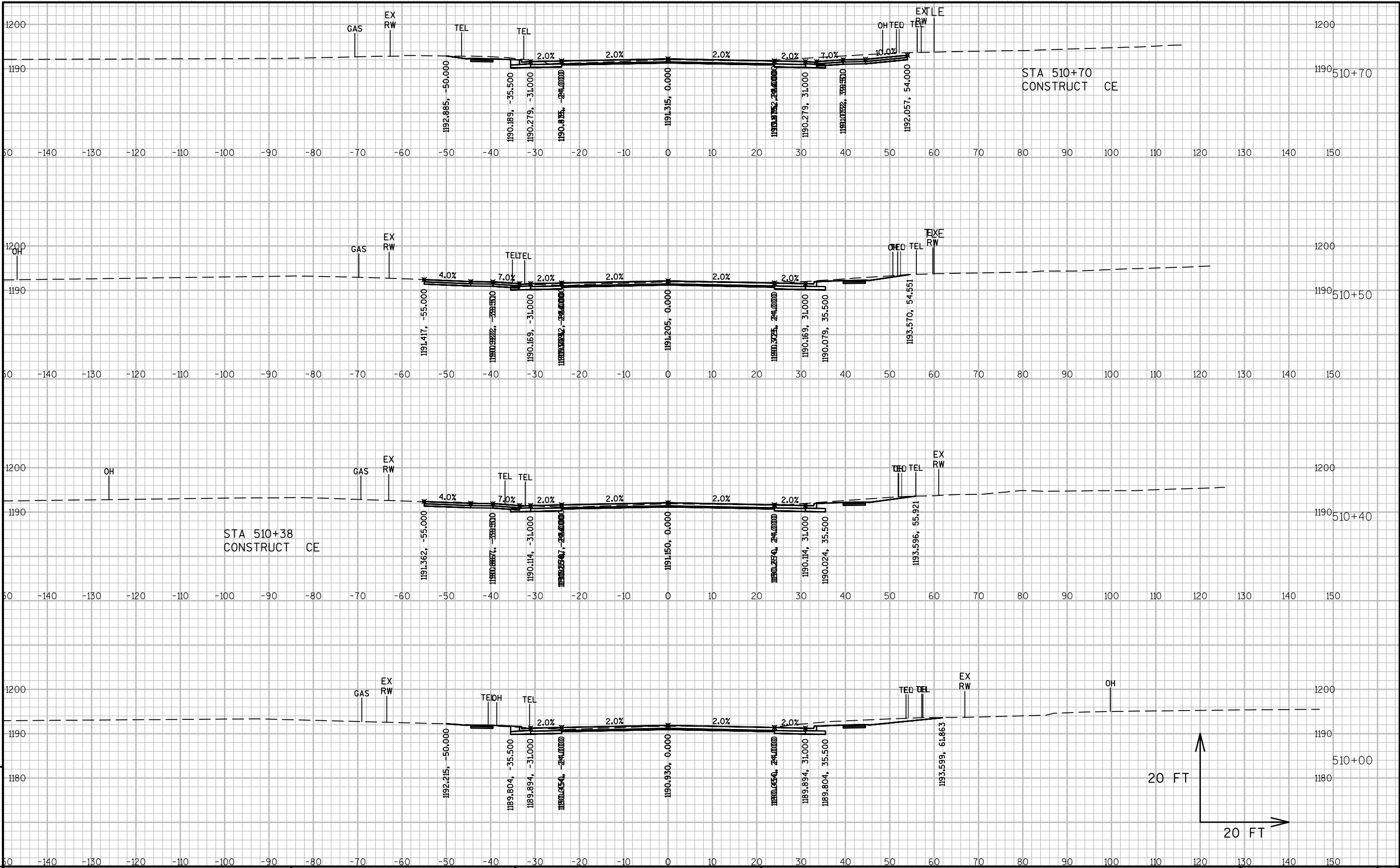


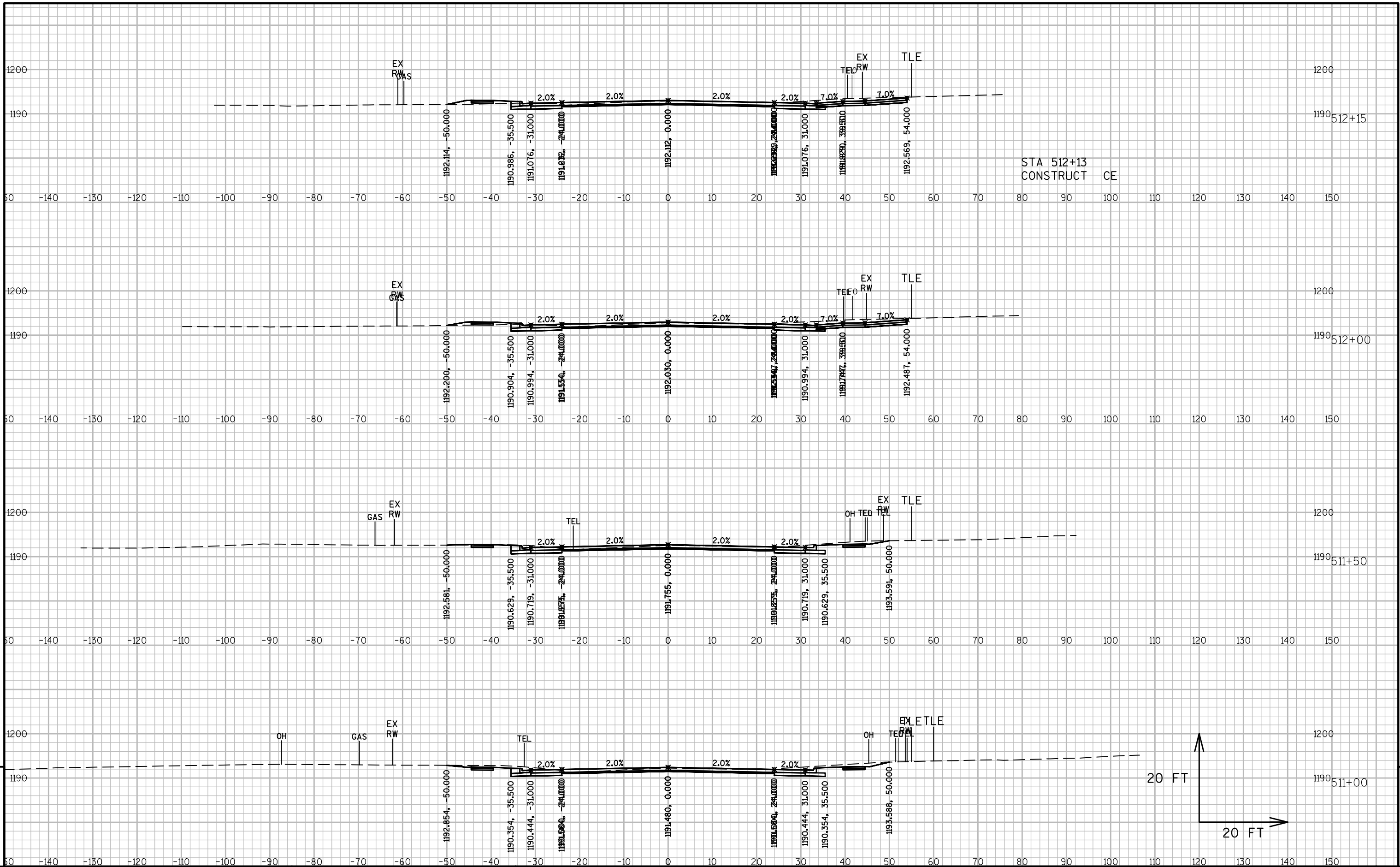


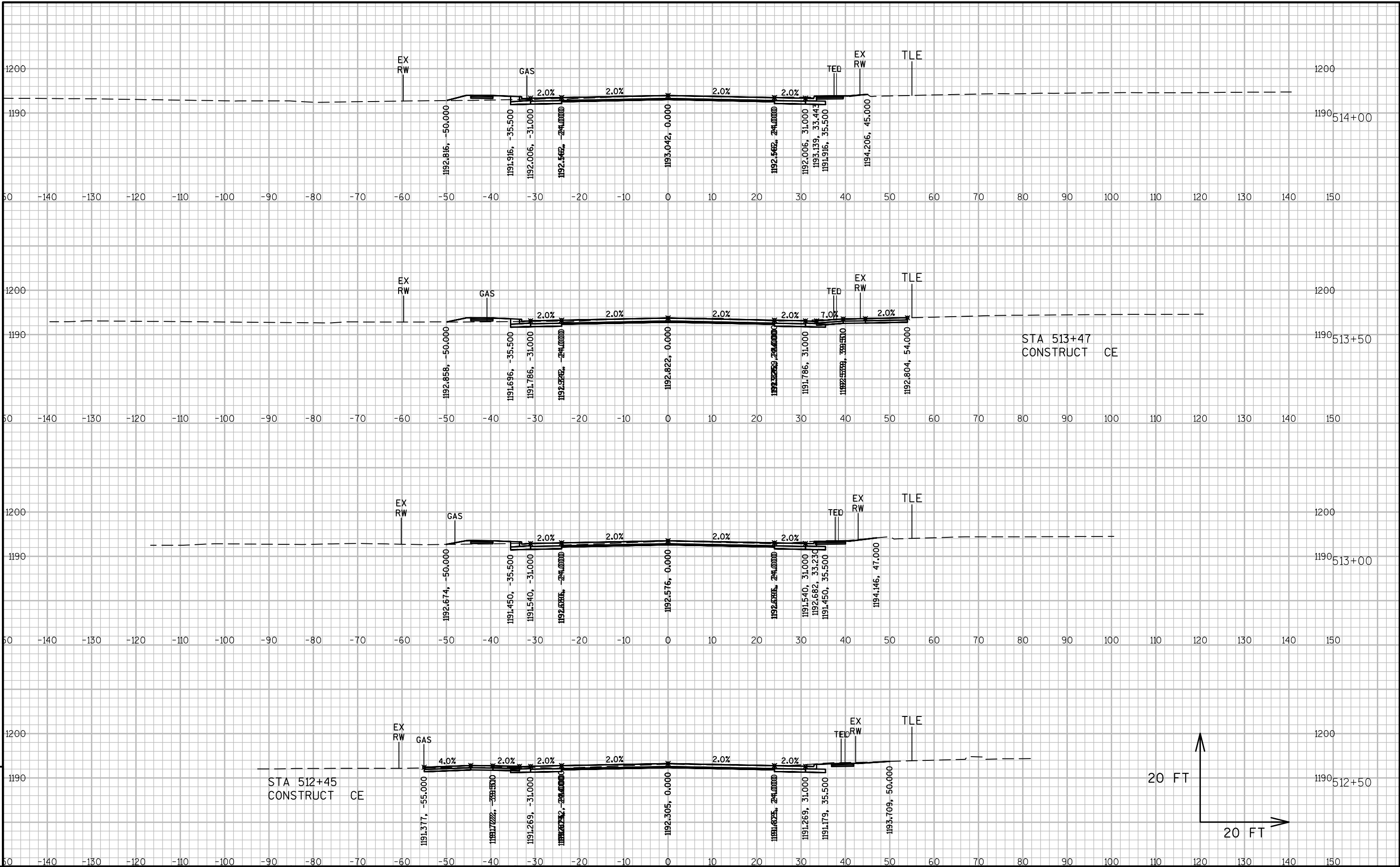


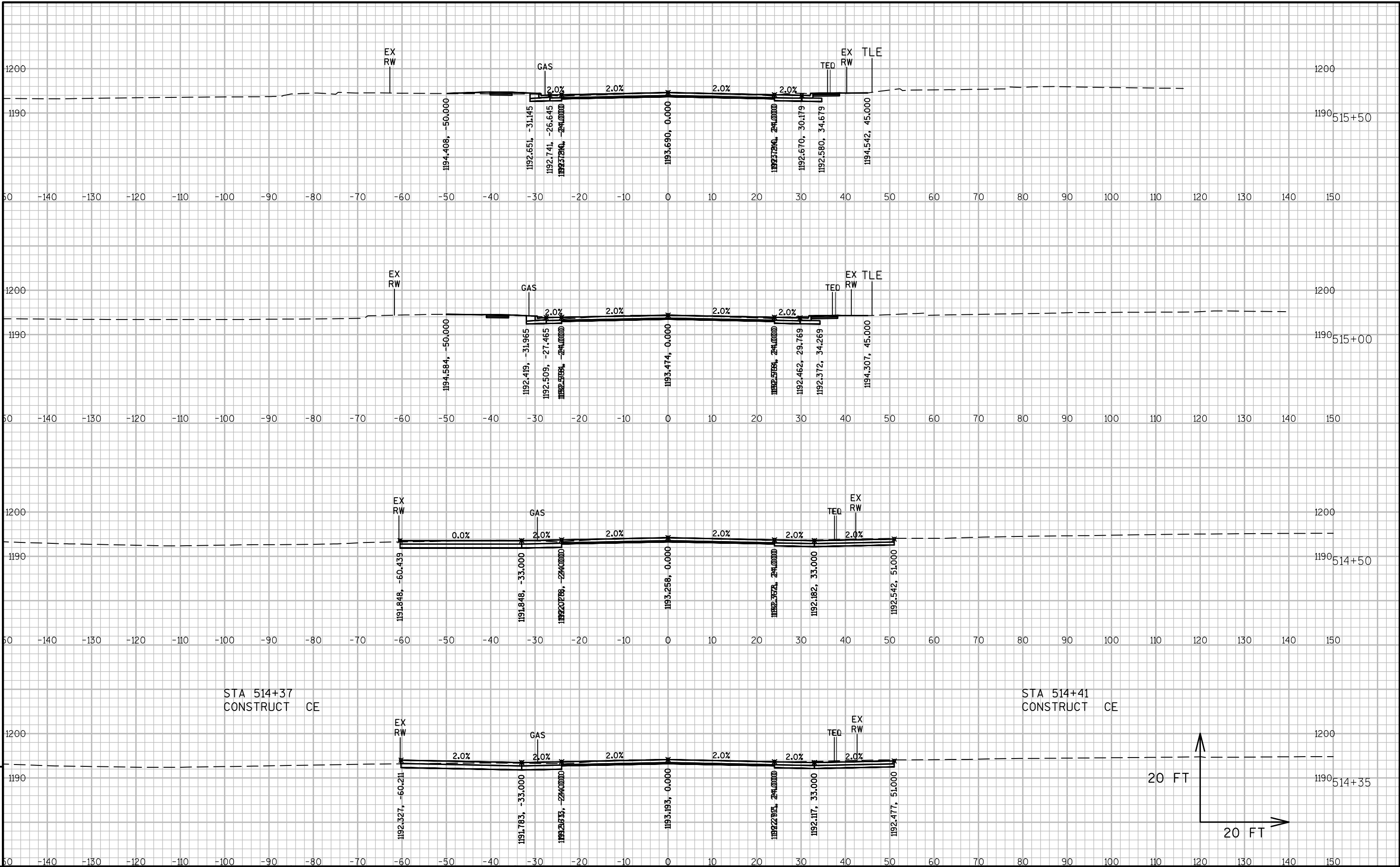


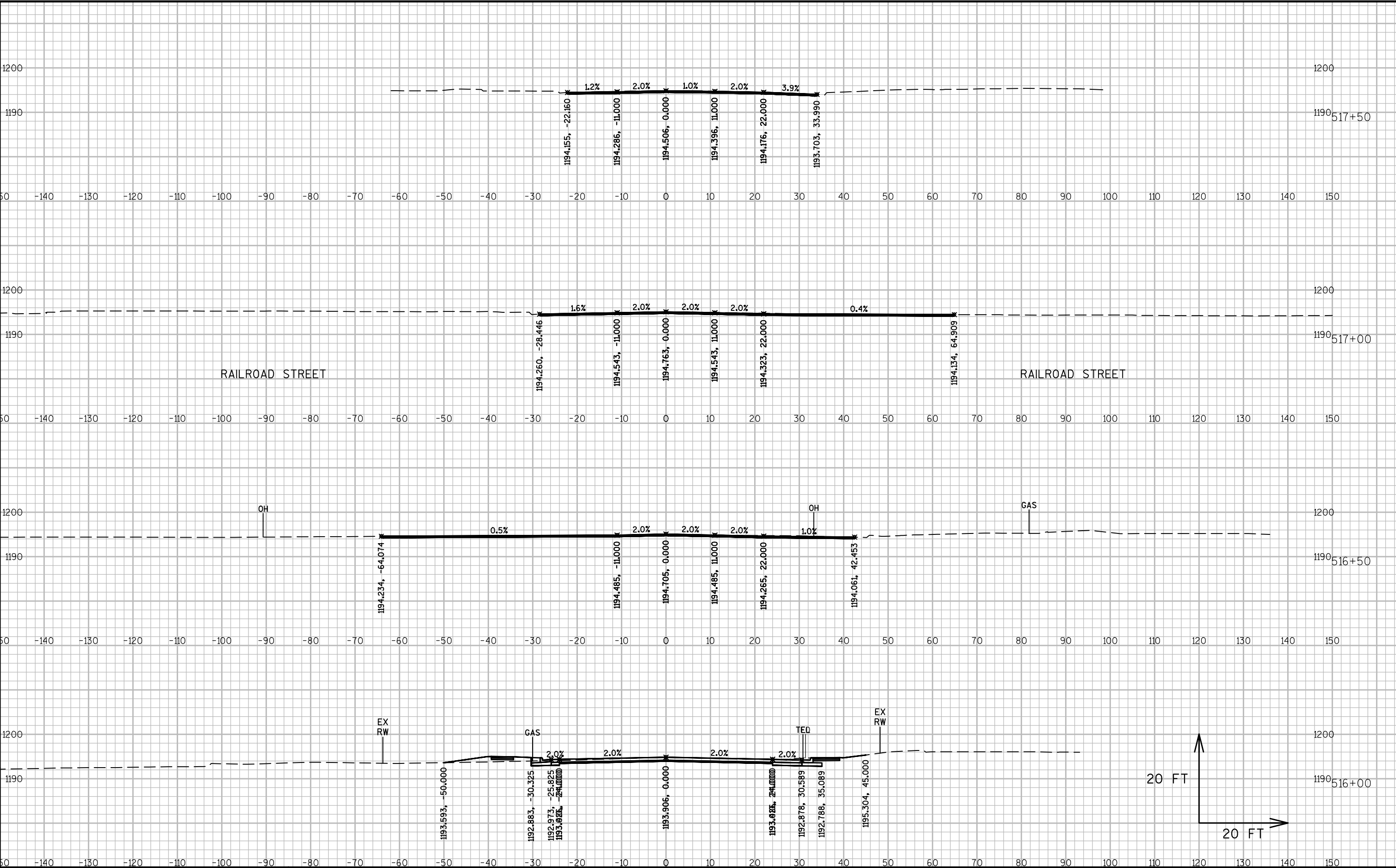


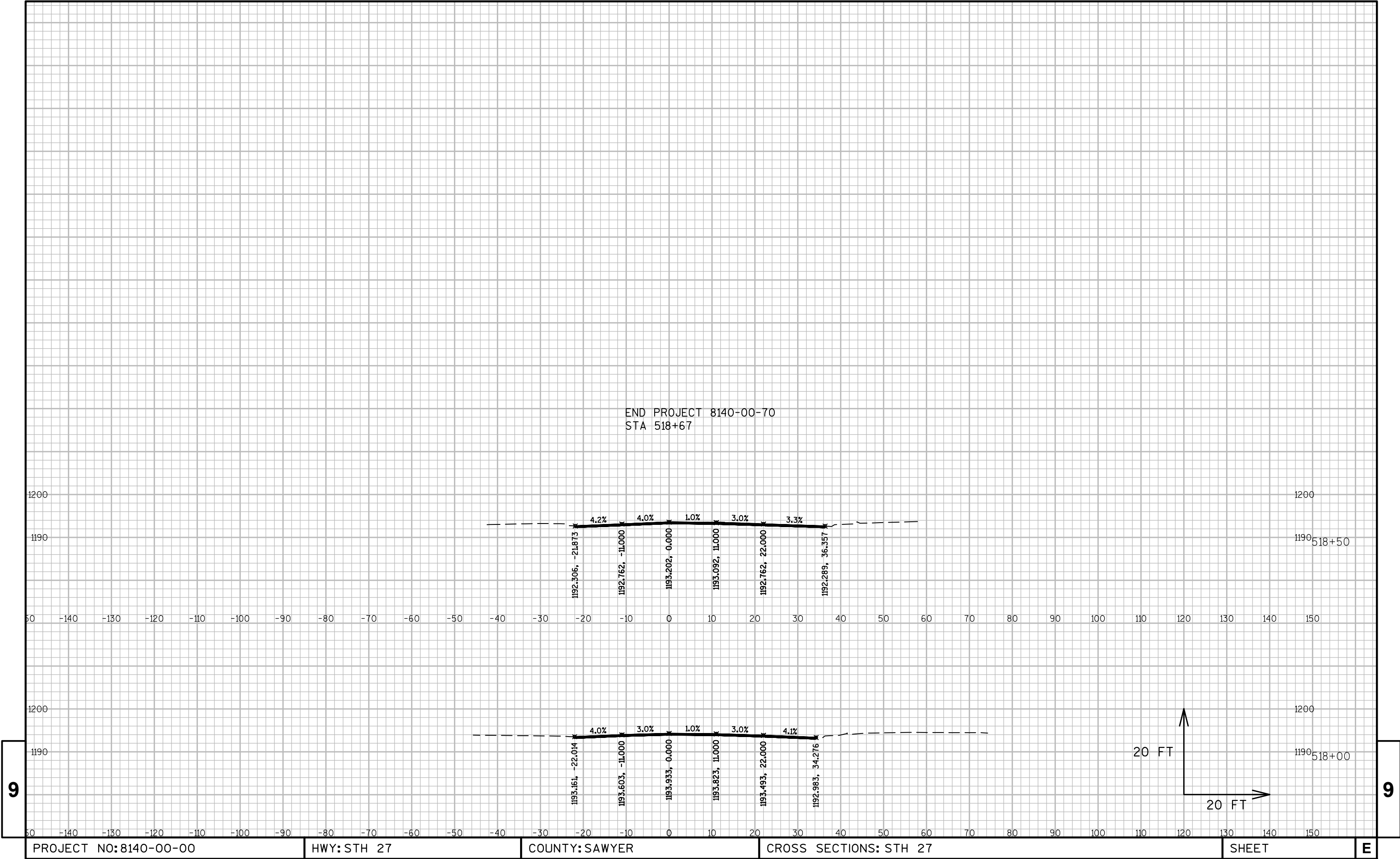


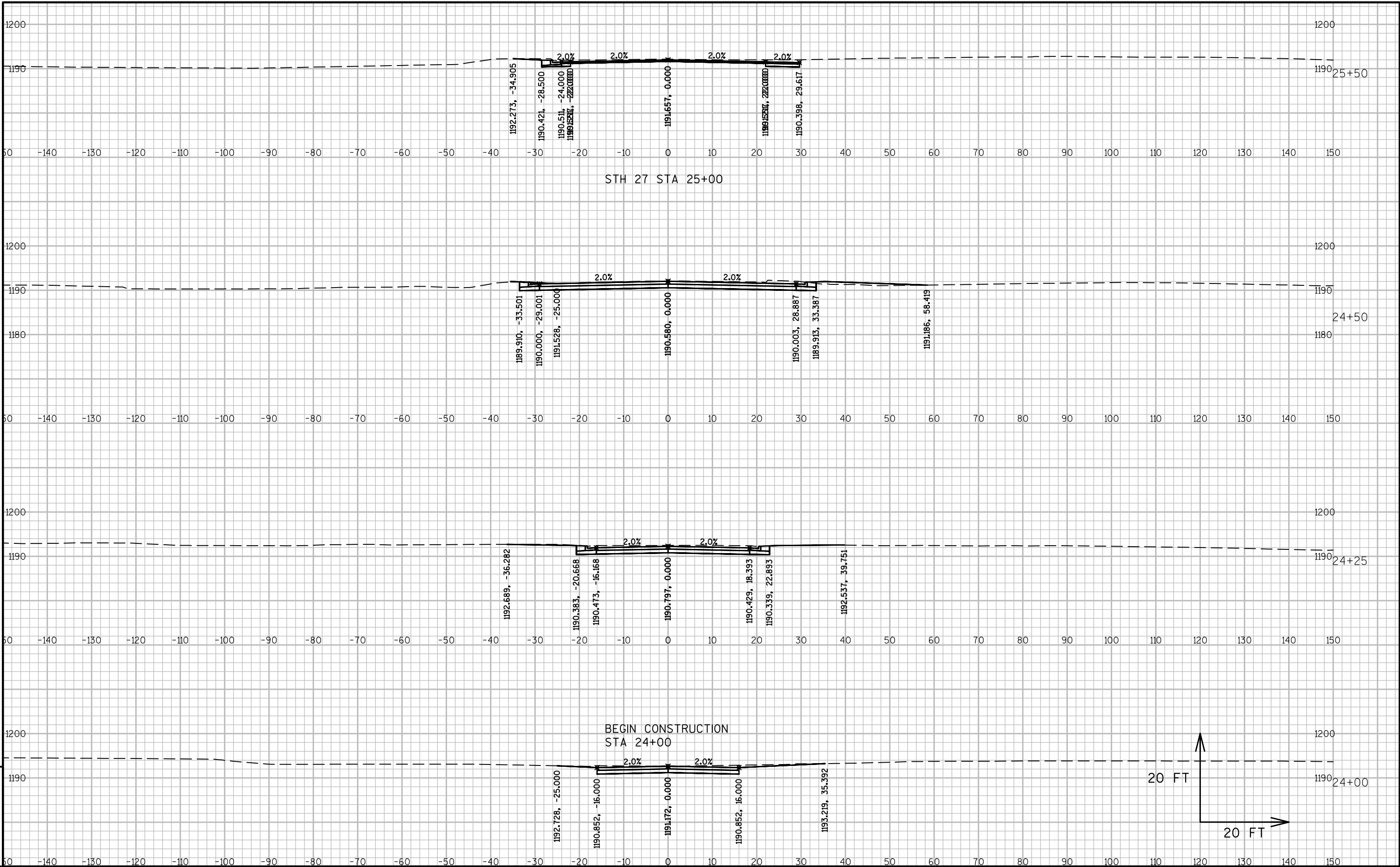


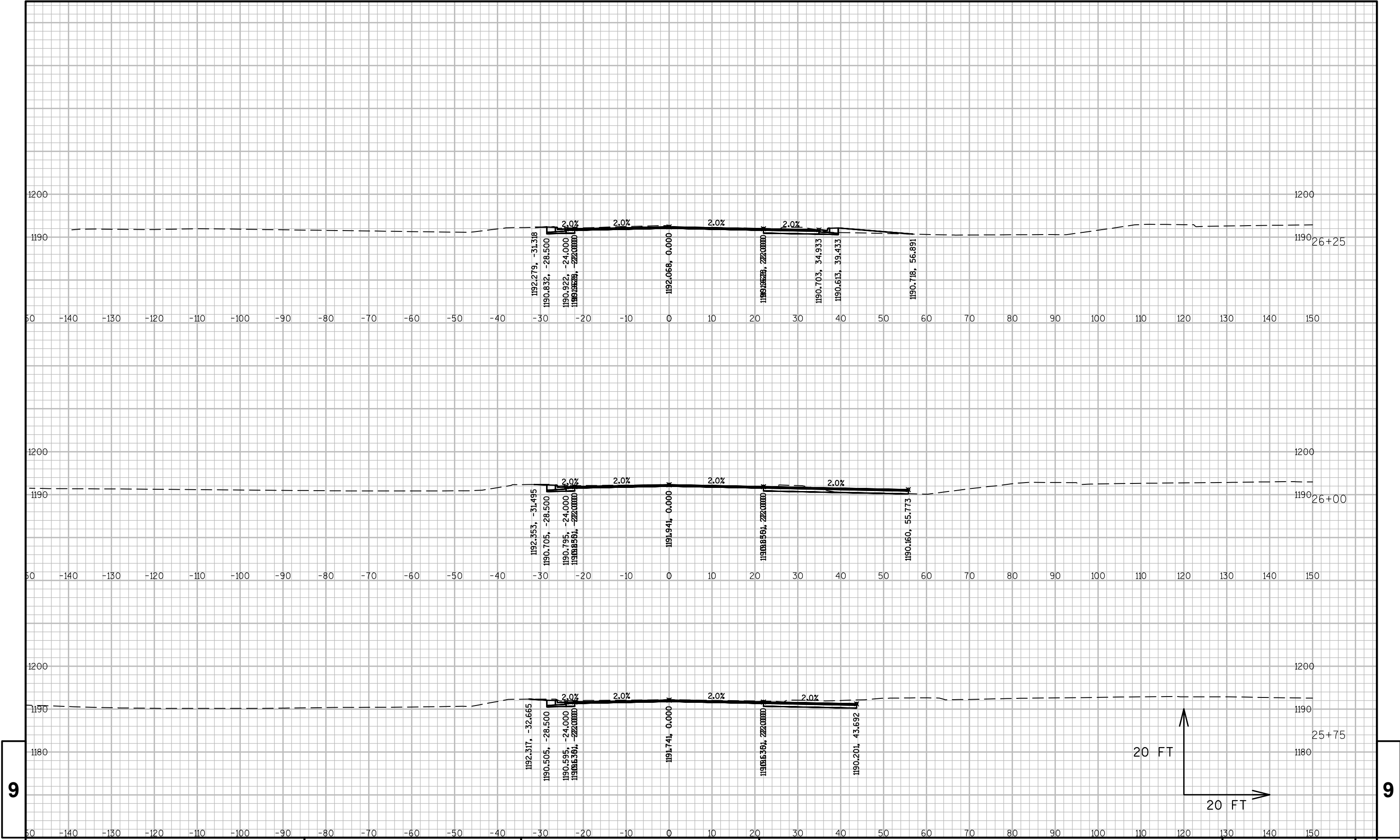












9

9

