

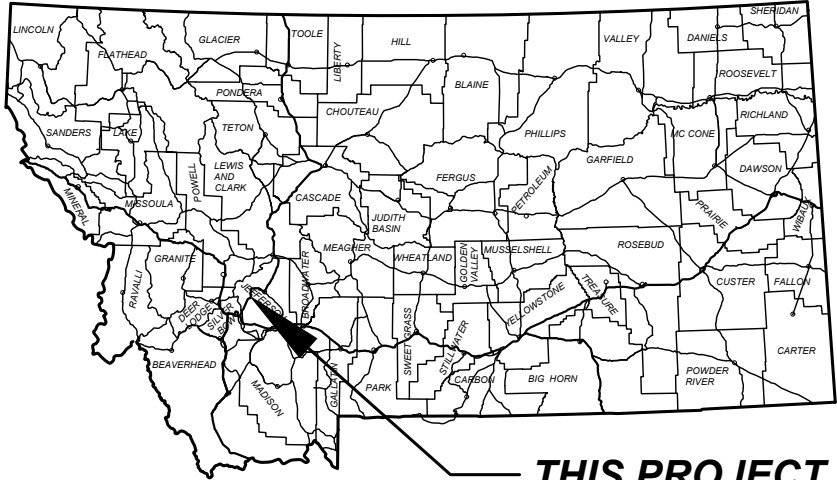
MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT HSIP 15-3(113)147

GRADE, GRAVEL, & PL. MIX SURF.

SF 179 BERNICE CURVE BARRIER

JEFFERSON COUNTY



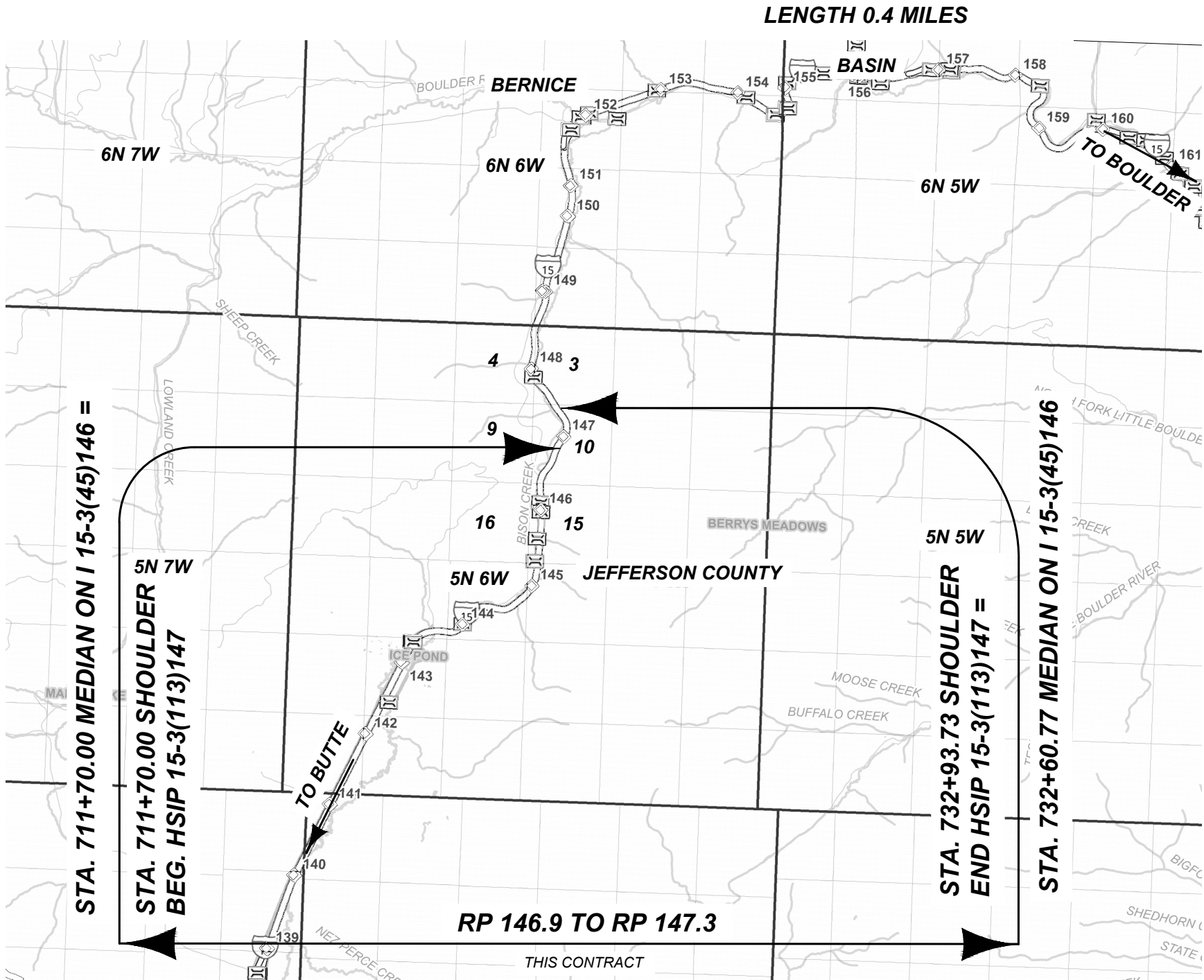
PROJECT DESIGN DATA

PRESENT	2023	A.D.T. = 3,130
LETTING	2028	A.D.T. = 3,340
DESIGN	2048	A.D.T. = 4,330
		D.H.V. = 450
		TRUCKS = 18.3%
		V. = 50 MPH
		18 KIP ESAL'S = 385 DAILY
		ANNUAL GROWTH RATE = 1.3%

ASSOCIATED PROJECT AGREEMENT NUMBERS

R/W	
I. C.	
P. E.	HSIP 15-3(112)147

SURFACING SOURCES -
CONTRACTOR FURNISHED



MONTANA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:
HIGHWAYS
ENGINEER

Signed by:
David Holien
4FA8874BB4E5415...

DAVID
HOLIE
20186PE
LICENSED
PROFESSIONAL ENGINEER

4/30/2026
DATE

SHEET NO.

1

TITLE

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY

JEFFERSON

PROJECT ID

HSIP 15-3(113)147

UPN

9615001

DESIGNED BY

A. BORSCHEL 4/2024

REVIEWED BY

CHECKED BY

T. JOHNSON 9/2025

9615001RDTTL001.DWG

MONTANA
Department of Transportation



ROAD PLANS

3/23/2026 10:37 AM

NOTES

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ROAD PLANS

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SIGNING PLANS

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CROSS SECTIONS

MAINLINE	1-25
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BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)	
COMP. AGGREGATE WEIGHT	= 3700 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF. BITUMINOUS MATERIAL	= 3855 LBS. PER CUBIC YARD
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS)	= 0.05 GAL. PER SQ. YARD (UNDILUTED)
SEAL	= 0.10 GAL. PER SQ. YARD (UNDILUTED)
COVER	= 0.42 GAL. PER SQ. YARD
	= 25 LBS. PER SQ. YARD

AS-BUILTS

FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECT(S):

I 15-3(45)146 (1987)

LIMITED ACCESS CONTROL

THIS PROJECT IS A LIMITED ACCESS CONTROL FACILITY. OBTAIN APPROVAL FROM THE CHIEF OF THE RIGHT-OF-WAY BUREAU PRIOR TO ADDING, DELETING OR RELOCATING ANY APPROACHES.

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND BEYOND THE PROJECT LIMITS. A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. IMPACTS TO WETLAND AREAS ARE NO ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK, NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

SHOULDER ALIGNMENT COORDINATE TABLE - 9615001_RD_PA_SHOULDER				
STATION	DESCRIPTION	NORTHING OR Y COORDINATE	EASTING OR X COORDINATE	REMARKS
711+60.93	BOA	724,510.122	1,249,666.509	
711+70.00	BP	724,517.515	1,249,671.763	BEGIN PROJECT
712+78.00	TS	724,605.547	1,249,734.327	
716+33.03	SC	724,905.344	1,249,923.724	
727+04.70	CS	725,935.497	1,249,895.851	
730+59.73	ST	726,224.614	1,249,690.520	
732+93.73	EP	726,407.743	1,249,544.847	END PROJECT
733+00.00	EOA	726,412.649	1,249,540.945	

9615001_RD_EP_31' OFFSET

AS-BUILT CENTERLINE ALIGNMENT COORDINATE TABLE - PTW #				
STATION	DESCRIPTION	NORTHING OR Y COORDINATE	EASTING OR X COORDINATE	REMARKS
709+35.74	BOA	724,344.076	1,249,511.439	
712+78.00	TS	724,623.060	1,249,709.713	
716+28.00	SC	724,918.541	1,249,896.541	
726+69.74	CS	725,919.924	1,249,869.447	
730+19.74	ST	726,204.870	1,249,666.914	
734+27.25	EOA	726,523.681	1,249,413.164	

FOR SIGNING PLANS

SHEET NO.

2

TABLE OF CONTENTS,
NOTES,
SHOULDER COORDINATE TABLE,
CENTERLINE COORDINATE TABLE

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY

JEFFERSON

PROJECT ID

HSIP 15-3(113)147

UPN

9615001

DESIGNED BY

4/2024

A. BORSCHEL

REVIEWED BY

CHECKED BY

9/2025

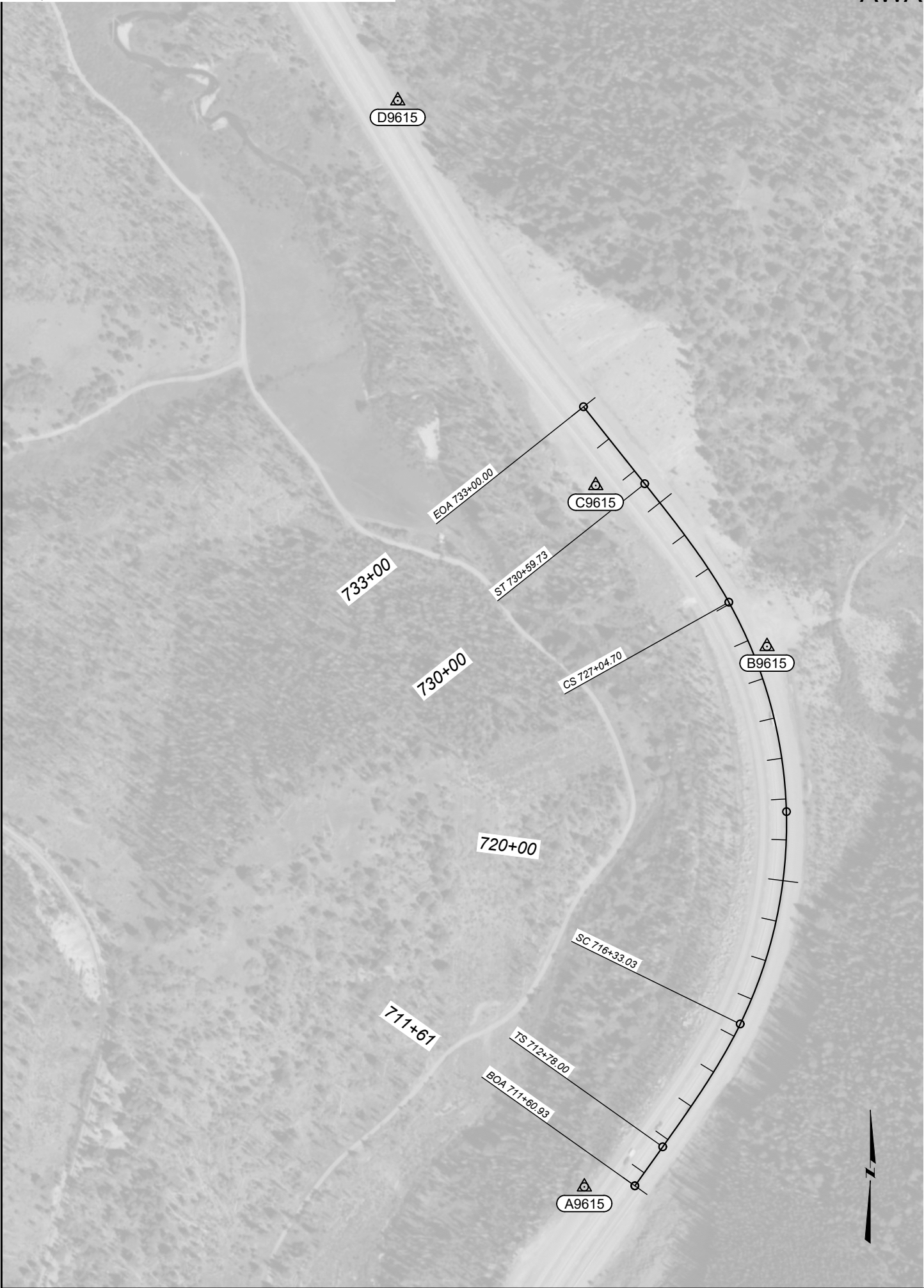
T. JOHNSON

9615001RDTTL001.DWG



ROAD PLANS

3/23/2026 10:37 AM



CONTROL DIAGRAM

SCALE: N/A

NOTE:
THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83-2011
NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF
INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET.
DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING
REQUIRE THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID
DIMENSIONS TO GROUND DIMENSIONS (GRID DISTANCE / CSF = GROUND
DISTANCE). THE CSF FOR THIS PROJECT IS 0.99921395

BEARING SOURCE
GRID – MONTANA COORDINATE SYSTEM NAD 83-2011


LEVEL DATUM SOURCE
NAVD 88 (GNSS DERIVED ELEVATIONS USING GEOID18 AND ELEVATIONS DERIVED
FROM DIFFERENTIAL LEVELS HOLDING BMS D9615)

CONTROL ABSTRACT			
POINT NAME\NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION
A9615	724,507.714	1,249,542.932	5,917.40
B9615	725,827.445	1,249,988.959	5,855.22
C9615	726,220.425	1,249,570.724	5,826.34
D9615	727,160.262	1,249,087.369	5,777.85

SHEET NO.

3

CONTROL DIAGRAM

 MONTANA Department of Transportation	PROJECT NAME SF 179 BERNICE CURVE BARRIER	
	DESIGNED BY A. BORSCHTEL	4/2024
	COUNTY JEFFERSON	
	PROJECT ID HSIP 15-3(113)147	
ROAD PLANS	CHECKED BY T. JOHNSON	9/2025
	UPN 9615001	
	9615001RDTTRV0001.DWG	
11/29/2025 8:51 AM		

TYPICAL SECTION NO. 1

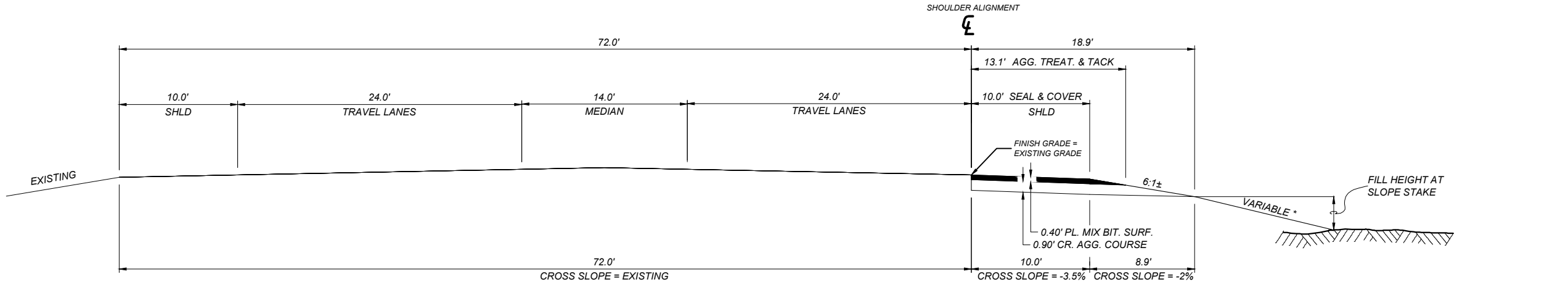
MAINLINE SHOULDER WIDENING

711+70.00
711+70.00 TO 712+78.00 ONLY
TRANS. TYP. NO. 1 TO TYP. NO. 2

SHEET NO.

4

TYPICAL SECTION



QUANTITIES							
	AGGREGATE			UNIT	BITUMINOUS		
	COVER	PLANT MIX	CR. AGG. COURSE		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK #	AGG. TREATMENT
AREA square feet		4.62	14.16	square yards PER STATION	111	291	146
cubic yards PER STATION		17.1	52.4	tons PER STATION	0.20	15	
tons PER STATION		33.0		gals. PER STATION			
square yards PER STATION	111						

BASED ON 2 APPLICATIONS

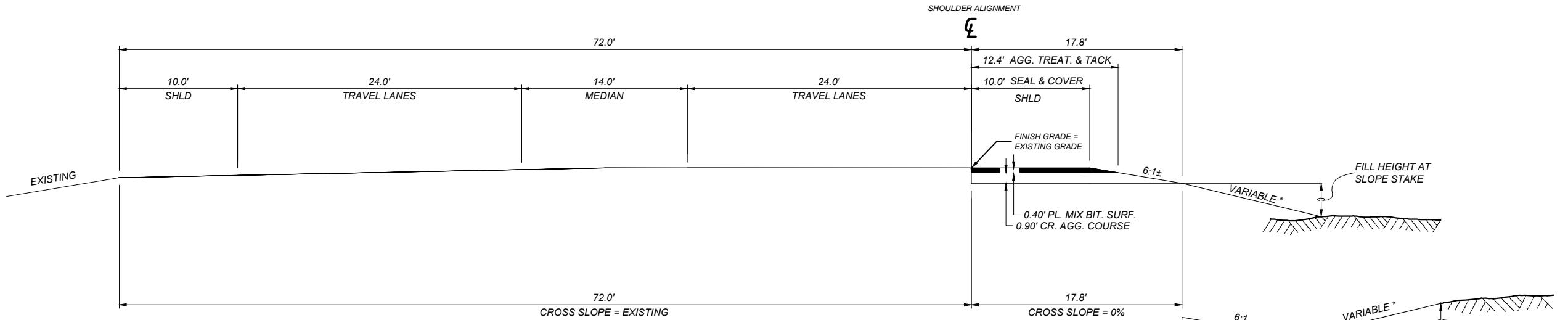
*FILL SLOPES		*BACK SLOPES	
0' - 10'	6:1	0' - 5'	5:1
10' - 20'	4:1	5' - 10'	4:1
20' - 30'	3:1	10' - 15'	3:1
OVER 30'	2:1	OVER 15'	2:1

*SEE CROSS SECTIONS FOR DEVIATIONS

TYPICAL SECTION NO. 2

MAINLINE SHOULDER WIDENING

712+78.00
712+78.00 TO 713+78.00 ONLY
TRANS. TYP. NO. 2 TO TYP. NO. 3 (2.25% RT.)
730+59.73 TO 732+93.73 TRANS. TYP. NO. 2 TO TYP. NO. 4



QUANTITIES							
UNIT	AGGREGATE			UNIT	BITUMINOUS		
	COVER	PLANT MIX	CR. AGG. COURSE		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK #	AGG. TREATMENT
AREA square feet		4.48	13.59	square yards PER STATION	111	276	138
cubic yards PER STATION		16.6	50.3	tons PER STATION	0.20	14	
tons PER STATION		32.0		gals. PER STATION			
square yards PER STATION	111						

BASED ON 2 APPLICATIONS

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY
JEFFERSON

PROJECT ID
HSIP 15-3(113)147

UPN
9615001

DESIGNED BY A. BORSCHEL	6/2024
REVIEWED BY	
CHECKED BY T. JOHNSON	9/2025

9615001RDTYP001.DWG

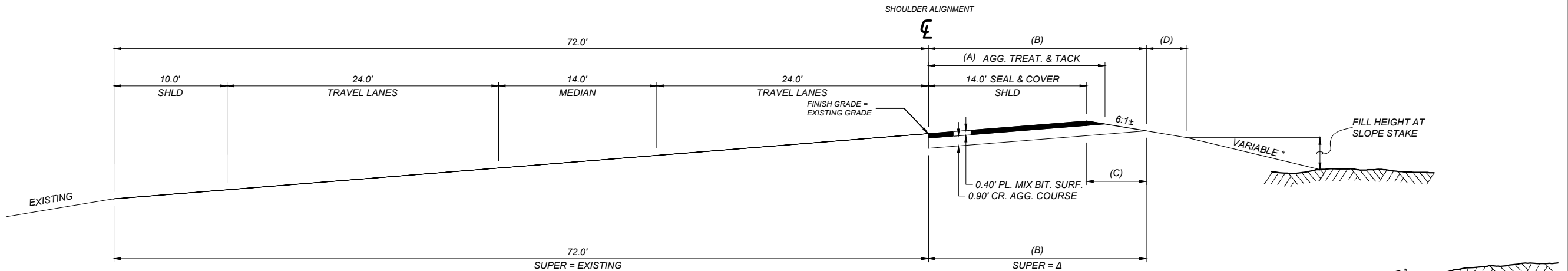


ROAD PLANS

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TYPICAL SECTION NO. 3

MAINLINE SHOULDER WIDENING

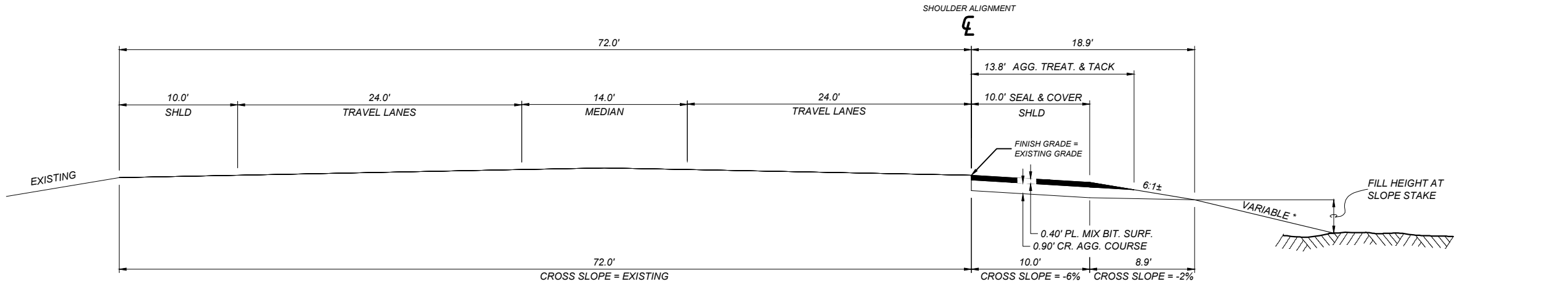


*FILL SLOPES		*BACK SLOPES	
0' - 10'	6:1	0' - 5'	5:1
10' - 20'	4:1	5' - 10'	4:1
20' - 30'	3:1	10' - 15'	3:1
OVER 30'	2:1	OVER 15'	2:1

*SEE CROSS SECTIONS FOR DEVIATIONS

TYPICAL SECTION NO. 4

MAINLINE SHOULDER WIDENING



QUANTITIES							
UNIT	AGGREGATE			UNIT	BITUMINOUS		
	COVER	PLANT MIX	CR. AGG. COURSE		EMULSIFIED ASPHALT SEAL	EMULSIFIED ASPHALT TACK #	AGG. TREATMENT
AREA square feet		4.76	14.04	square yards PER STATION	111	307	153
cubic yards PER STATION		17.6	52.0	tons PER STATION	0.20	15	
tons PER STATION		33.9		gals. PER STATION			
square yards PER STATION	111						

BASED ON 2 APPLICATIONS

713+78.00			Δ = 2.25% RT. ONLY
713+78.00	TO	716+33.03	Δ = TRANS. 2.25% TO 8% RT.
716+33.03	TO	727+04.70	Δ = 8% RT.
727+04.70	TO	729+59.73	Δ = TRANS. 8% TO 2.25% RT.
729+59.73	TO	730+59.73	TRANS. TYP. NO. 3 TO TYP. NO. 2. (2.25% RT.)

SHEET NO.

5

TYPICAL SECTION

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY
JEFFERSON

PROJECT ID
HSIP 15-3(113)147

UPN
9615001

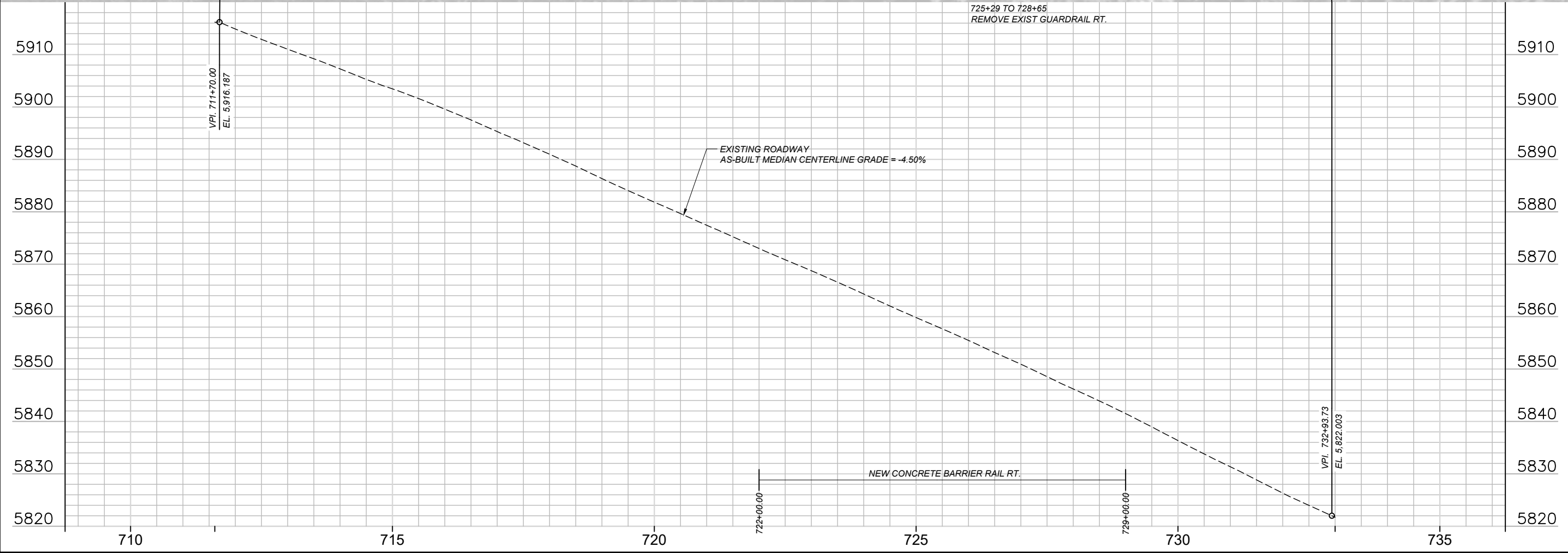
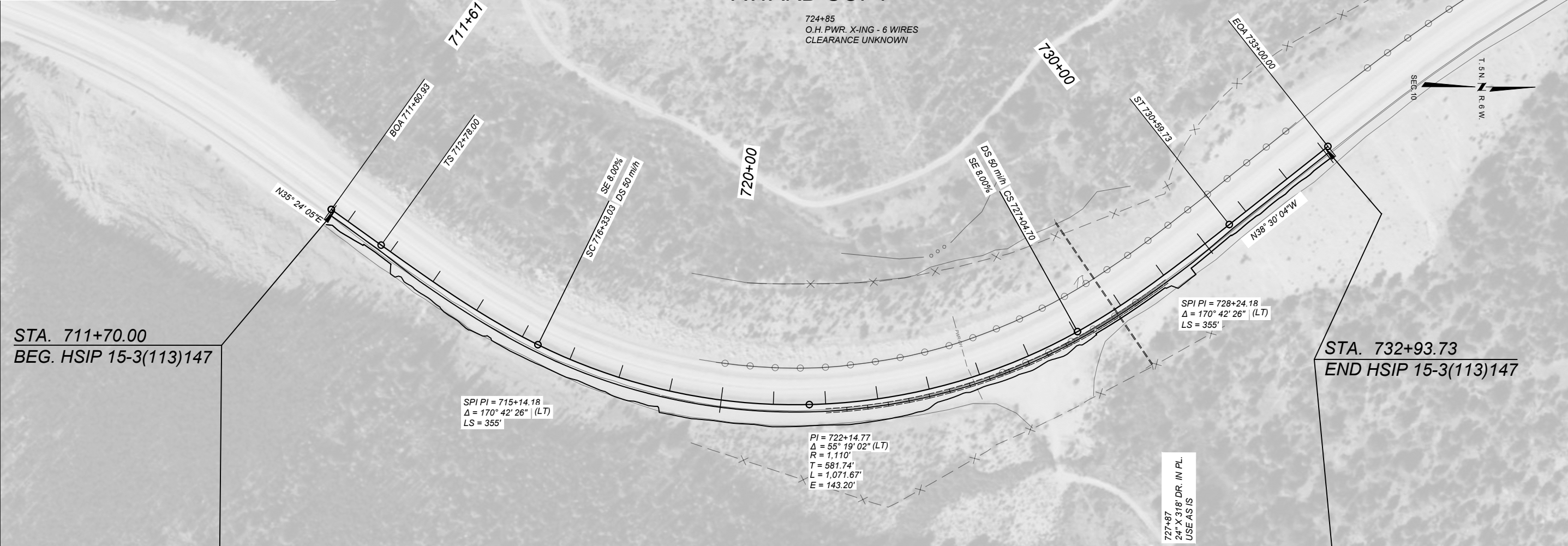
DESIGNED BY A. BORSCHEL	6/2024
REVIEWED BY	
CHECKED BY T. JOHNSON	9/2025



ROAD PLANS

2/9/2026 3:18 PM

724+85
O.H. PWR. X-ING - 6 WIRES
CLEARANCE UNKNOWN



SHEET NO.			
7			
PLAN AND PROFILE			
PROJECT NAME		COUNTY	
SF 179 BERNICE CURVE BARRIER		JEFFERSON	
PROJECT ID		UPN	
HSIP 15-3(113)147		9615001	
DESIGNED BY	7/2024	9/2025	
A. BORSCHEL		T. JOHNSON	
REVIEWED BY		9615001RDPLP001.DWG	
		2/9/2026 3:57 PM	
CHECKED BY		ROAD PLANS	
		MONTANA Department of Transportation	

NOTES AND ABBREVIATIONS:

MOUNTING HEIGHT REQUIREMENTS: MOUNTING HEIGHTS SHOWN REFER TO THE BOTTOM OF THE MAJOR PANEL. SEE DETAILED DRAWINGS 619-00 & 619-08

ALL MARKINGS ARE PAINT, EXCEPT AS NOTED. WHERE SPECIFIED ON THE PLANS AS PLASTIC, INSTALL INLAID HOT EXTRUDED HYDRO-CARBON THERMOPLASTIC PAVEMENT MARKINGS.

SEE LOCATION AND SPECIFICATION SHEETS FOR PORTIONS OF PROJECT NOT INCLUDED WITHIN SIGNING PLAN SHEETS.

SIGN POSTS SYMBOLS SHOWN ARE FOR REFERENCE ONLY TO SHOW EXISTING SIGNS THAT REQUIRE NO ACTION.

SIGNING LOCATIONS ARE APPROXIMATE. ENGINEERING PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

ADOPT A HIGHWAY: IF SIGNS N7-1/N7-1P EXIST, CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN(S) EXISTING AT THE TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SIGN(S) SHOWN IN PLANS. IF NAME IS DIFFERENT, ENGINEERING PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

FY = FLUORESCENT YELLOW SHEETING REQUIRED
FYG = FLUORESCENT YELLOW-GREEN SHEETING REQUIRED

HORIZONTAL ALIGNMENT: THE ALIGNMENT SHOWN IN THE SIGNING PLANS IS A RECREATION OF THE AS-BUILT CENTERLINE ALIGNMENT. THE INTENT OF THE SHOWN ALIGNMENT IS TO ASSIST IN LAYING OUT SIGNING ELEMENTS ONLY.

✕ = STANDARD BREAKAWAY DEVICE:
• FOR WOOD POST SEE DETAILED DRAWING 619-20.
• FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619-13.

▲ = SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB.

★ = TELESCOPED SQUARE TUBES (2-1/4" & 2-1/2") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB.

■ = FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED.

AIR = ANGLE IRON REQUIRED
2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.)


BBR = BACKBRACING REQUIRED:
• FOR WOOD POLE SEE DET. DWG 619-22
• FOR STEEL POST 2" X 2" X 1/4" REQUIRED. SEE DET. DWG 619-16
• FOR STRUCTURAL STEEL POST 2 3/4" X 2 3/8" EXTRUDED "T" SECTION BACKBRACE REQUIRED. SEE DET. DWG 619-19
• FOR CANTILEVER POST, SEE DET. DWG 619-18
• FOR GUIDE SIGN PANELS, USE EXTRUDED "T" SECTION BACKBRACE. SEE DET. DWG 619-04
USE HARDWARE MEETING REQUIREMENTS OF SECTION 704

BGR = BEHIND GUARDRAIL

MBB = MOUNT BACK TO BACK


RSFO = REPLACE SIGN FACE ONLY


















SUMMARY SIGNING & DELINEATION QUANTITIES		
MATERIAL	TOTAL	UNIT
SIGNS-ALUM REFL SHEET XI	188.0	SQFT
REMOVE SIGN	4	EACH
POSTS-STEEL U SIGN	36	LB
POLES-TREATED WOOD 5 IN	12	EACH
POLES-TREATED WOOD 6 IN	2	EACH
DELINEATOR SNOWPOLE-DES A	20	EACH

DELINEATION SPECIFICATIONS		
SYMBOL	DESIGN	TOTAL
	Snowpole A	20

SHEET NO.
S1

SIGNING SUMMARIES
NOTES AND ABBREVIATION

	DESIGNED BY S.MORANO	07/2025	PROJECT NAME SF 179 BERNICE CURVE BARRIER
	REVIEWED BY		COUNTY JEFFERSON
	CHECKED BY N.STRYEN	07/2025	PROJECT ID HSIP 15-3(113)147
	9615001\S\SUM001.DWG		UPN 9615001
SINGING PLANS		3/23/2026 11:24 AM	

SIGN LOCATION			PANEL SPECIFICATIONS					SIGN ASSEMBLY SPECIFICATIONS										SIGN ASSEMBLY QUANTITIES													ADDITIONAL INFORMATION						
STATION / R.P.	LFT / MDN / RGT / OH	ACTION	SIGN NO. (MUTCD / MT)	PANEL SIZE (INCHES)			FY OR FYG	BACKBRACING REQ'D / ANGLE IRON REQ'D	MOUNT BACK TO BACK	FEET CLEARANCE / OFFSET (SHOULDER TO EDGE OF SIGN)	TYPE OF SUPPORT	SUPPORT SPACING	FEET				CANTILEVER	BREAKAWAY TYPE	BEHIND GUARDRAIL	PANEL (SQ. FT.)		WOOD POLE (EACH)			STEEL POST (LBS.)				# OF BREAKAWAYS	REMOVE		RESET		SIGN IMAGE	REMARKS		
				W	X	H							MOUNTING HEIGHT	FOUNDATION DEPTH	SUPPORT LENGTH (ESTIMATED)					SHEET ALUMINUM	SHEET ALUMINUM INCREMENT	4" TOP DIA.	5" TOP DIA.		6" TOP DIA.	ROUND TUBULAR	SQUARE TUBULAR	STRUCTURAL STEEL		"U" POST	SIGN	GUIDE	SIGN			GUIDE	
															X	Y																					Z
710+85	R	REPLACE	W1-2L	48	X	48	FY	BBR		5.0	6" Treated Wood Pole		6.0	4.5	18.2				BGR	16.0				20						1				MOVE FROM RP 147.121 TO RP 147.136			
<div></div>		REPLACE	W13-1P	24	X	24	FY												4.0														REPLACE (60 MPH) WITH (55 MPH) PLAQUE				
712+86	R	NEW	W1-8L	36	X	48	FY	BBR		5.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
714+46	R	NEW	W1-8L	36	X	48	FY	BBR		5.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
714+91	R	REPLACE	D10-3	12	X	48		BBR		4.0	3.0lb Steel U Post		4.0	3.0	12.0					4.0						36	1						REPLACE				
716+06	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
717+66	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
719+26	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
720+86	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
722+46	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
724+06	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
725+66	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
727+26	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
728+86	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
730+46	R	NEW	W1-8L	36	X	48	FY	BBR		10.0	5" Treated Wood Pole		7.0	3.5	16.5				X	12.0		18												NEW			
733+95	L	REPLACE	W1-2R	48	X	48	FY	BBR		5.0	6" Treated Wood Pole		7.0	4.5	18.2				BGR	16.0				20					1					REPLACE			
<div></div>		REPLACE	W13-1P	24	X	24	FY												4.0										1					REPLACE (60 MPH) WITH (55 MPH) PLAQUE			
PROJECT TOTALS																			188.0			12	2				36	4									

SHEET NO.
S2

SIGN LOCATION
AND SPECIFICATION

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY
JEFFERSON

PROJECT ID
HSIP 15-3(113)147

UPN
9615001

DESIGNED BY
S.MORANO

07/2025

REVIEWED BY

CHECKED BY
N.STRYEN

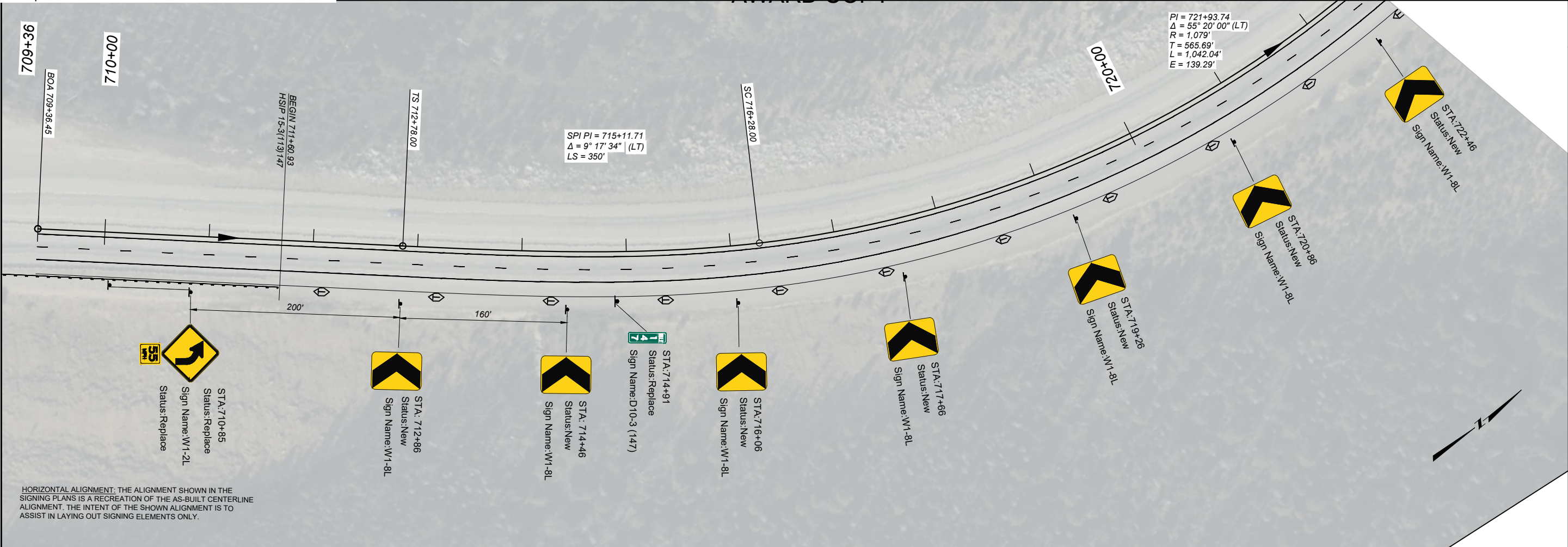
07/2025

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MONTANA
Department of Transportation

SIGNING PLANS

3/23/2026 11:24 AM



SHEET NO.		S3	
PLAN SHEET		SF 179 BERNICE CURVE BARRIER	
PROJECT NAME		JEFFERSON	
COUNTY		HSIP 15-3(113)147	
PROJECT ID		9615001	
UPN		9615001S1MAP001.DWG	
DESIGNED BY		S.MORANO	
REVIEWED BY		07/2025	
CHECKED BY		N.STYREN	
SIGNING PLANS		MONTANA Department of Transportation	

CROSS SECTIONS

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY

JEFFERSON

PROJECT ID

HSIP 15-3(113)147

UPN

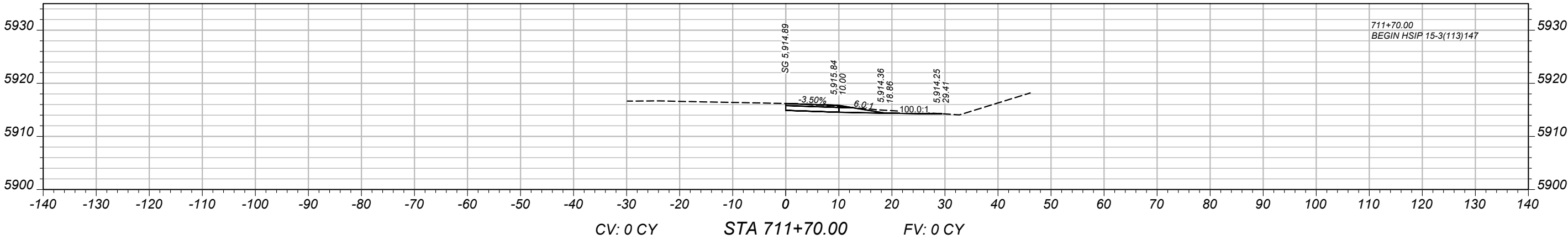
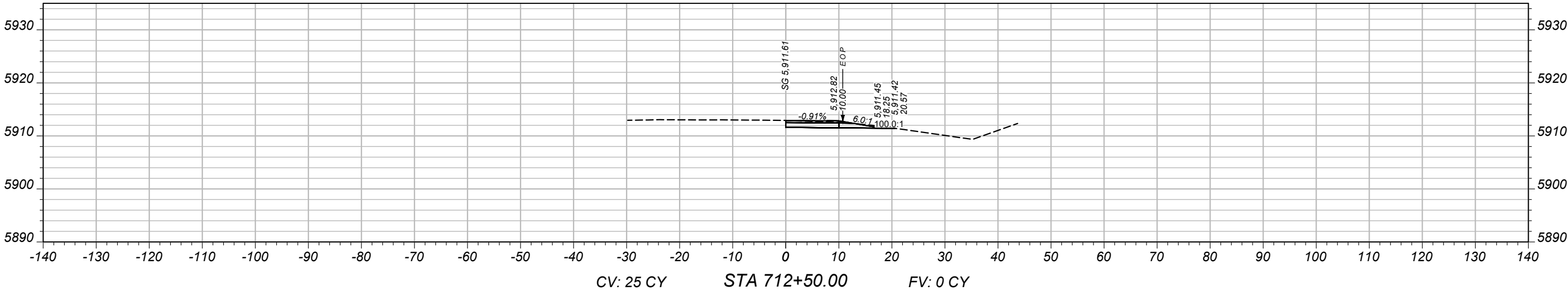
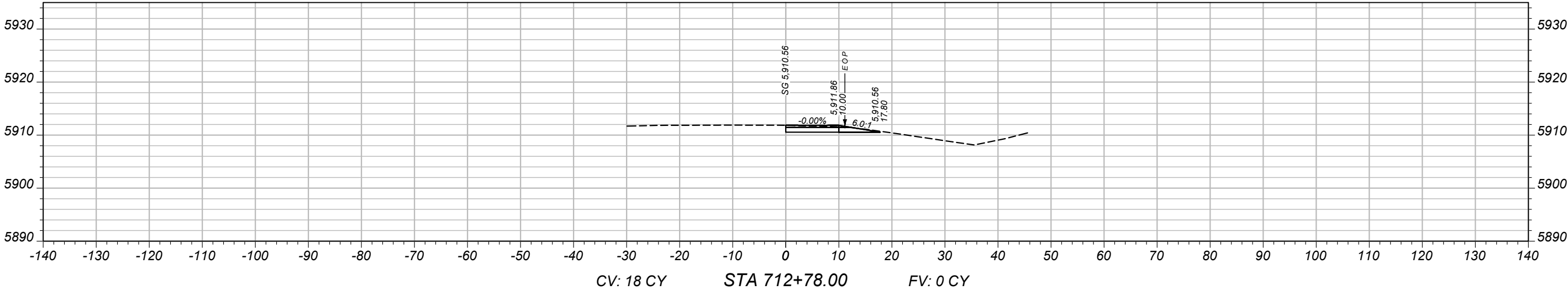
9615001

DESIGNED BY	12/2024
A. BORSCHEL	
REVIEWED BY	
CHECKED BY	9/2025
T. JOHNSON	
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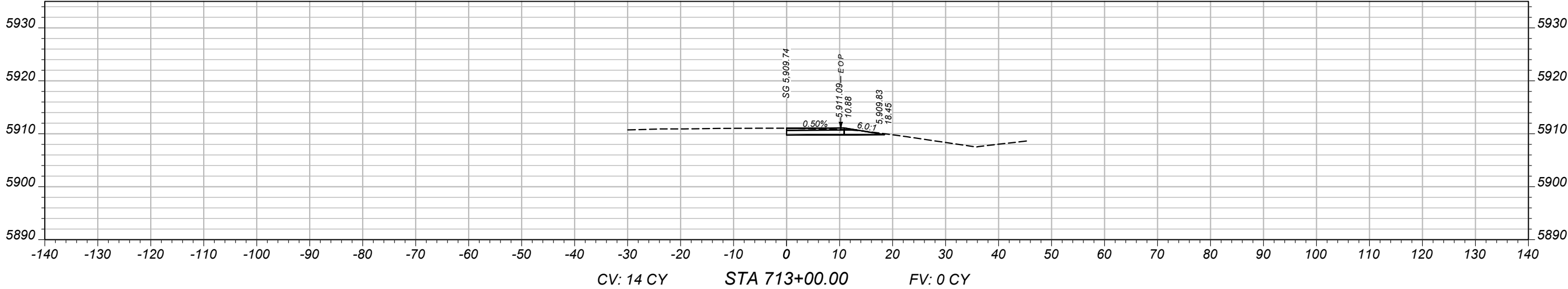
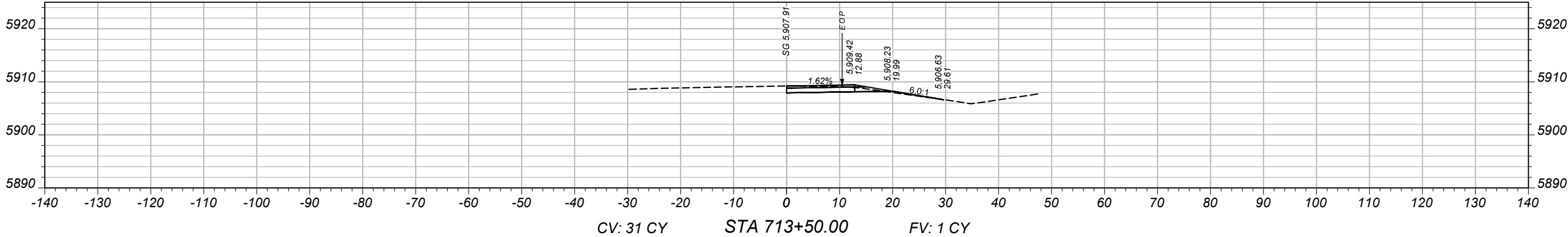
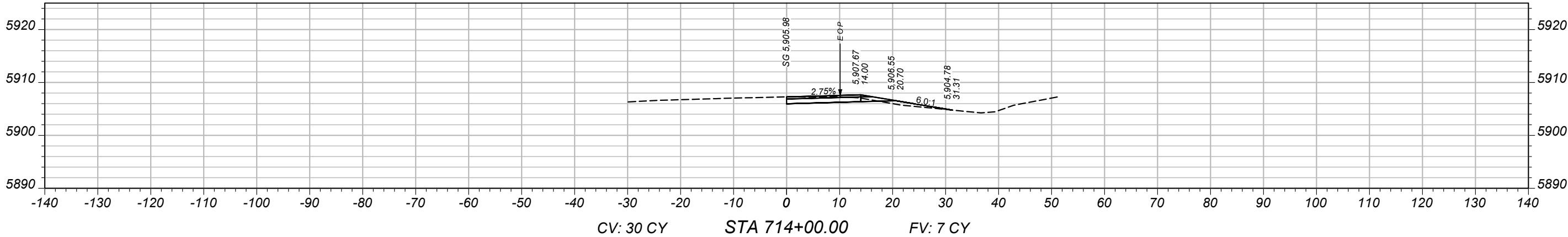


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CROSS SECTIONS



PROJECT NAME
SF 179 BERNICE CURVE BARRIER

COUNTY

JEFFERSON

PROJECT ID

HSIP 15-3(113)147

UPN

9615001

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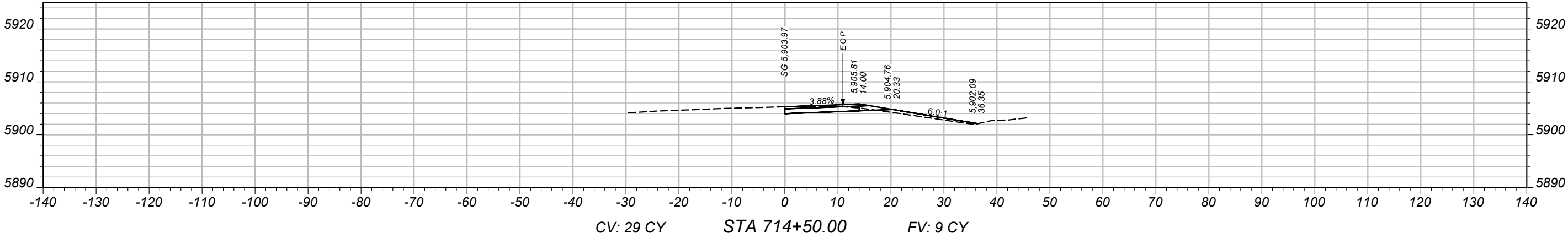
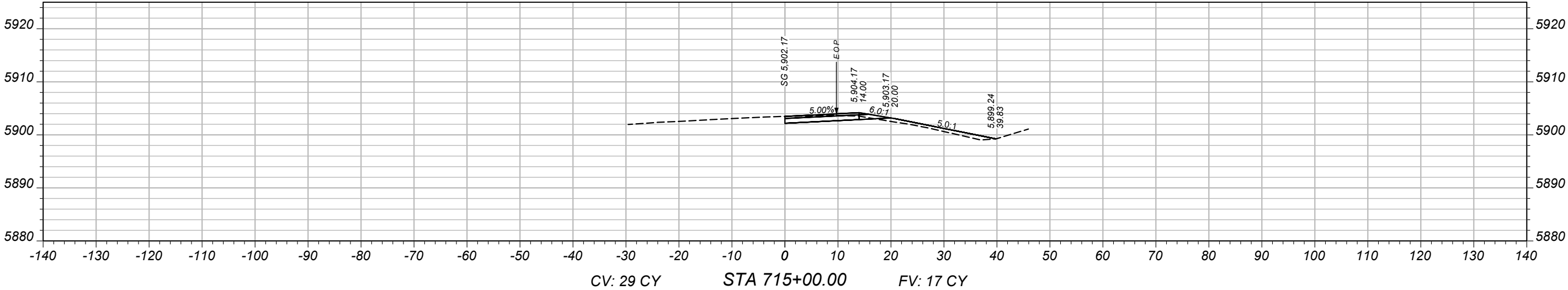
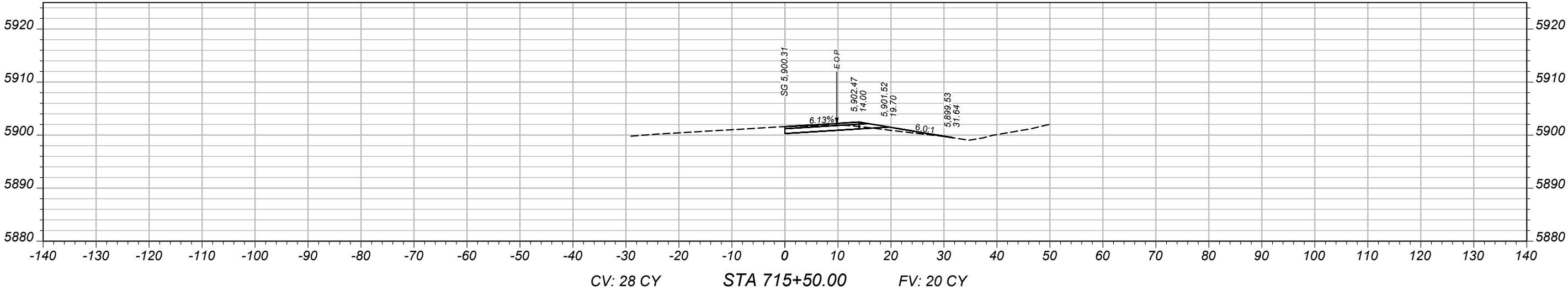
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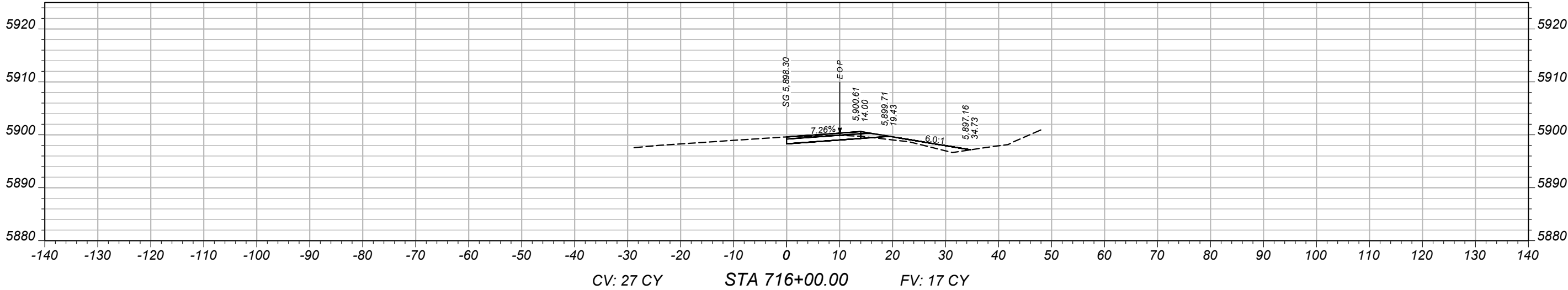
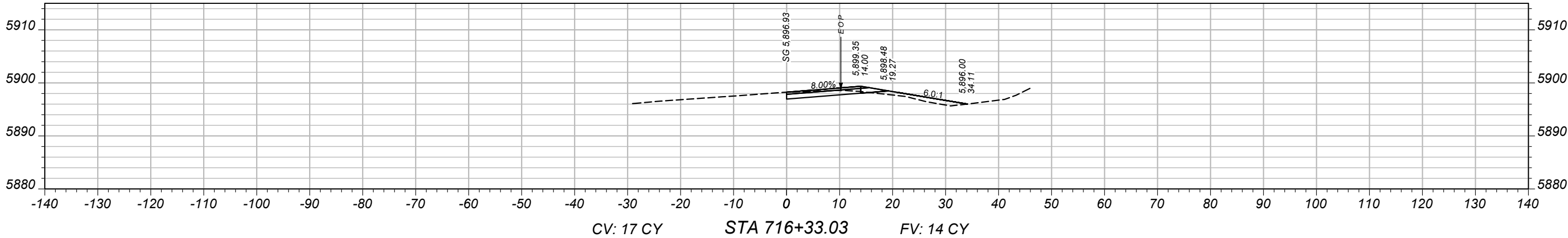
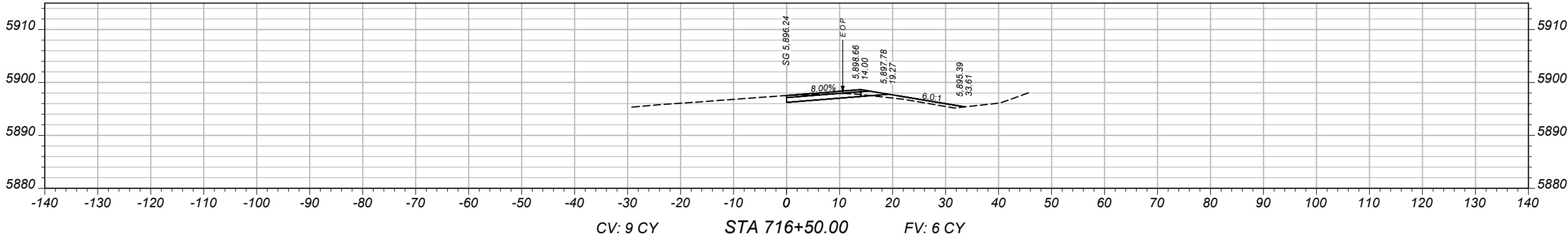
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CROSS SECTIONS



<div><div>MONTANA Department of Transportation</div></div>		DESIGNED BY	A. BORSCHEL	12/2024	PROJECT NAME	SF 179 BERNICE CURVE BARRIER
		REVIEWED BY			COUNTY	JEFFERSON
		CHECKED BY			PROJECT ID	HSIP 15-3(113)147
		T. JOHNSON	9/2025	UPN	9615001	
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SF 179 BERNICE CURVE BARRIER

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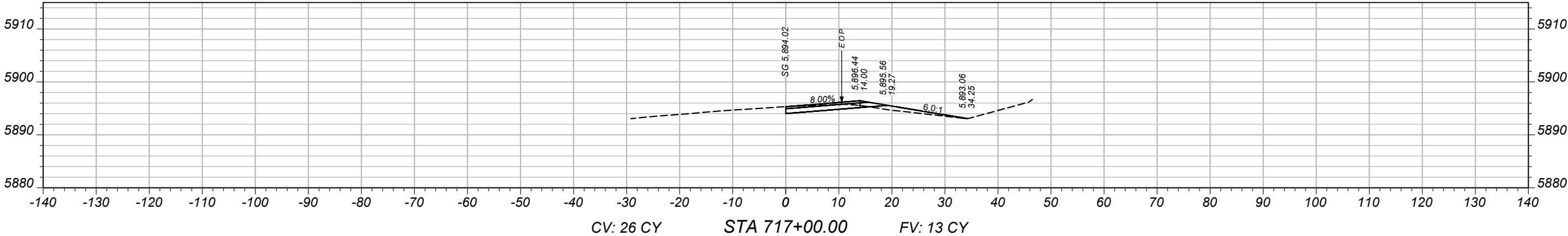
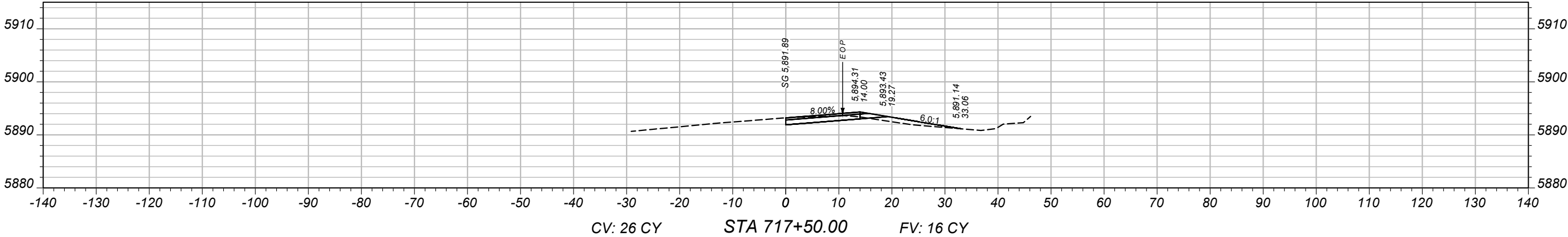
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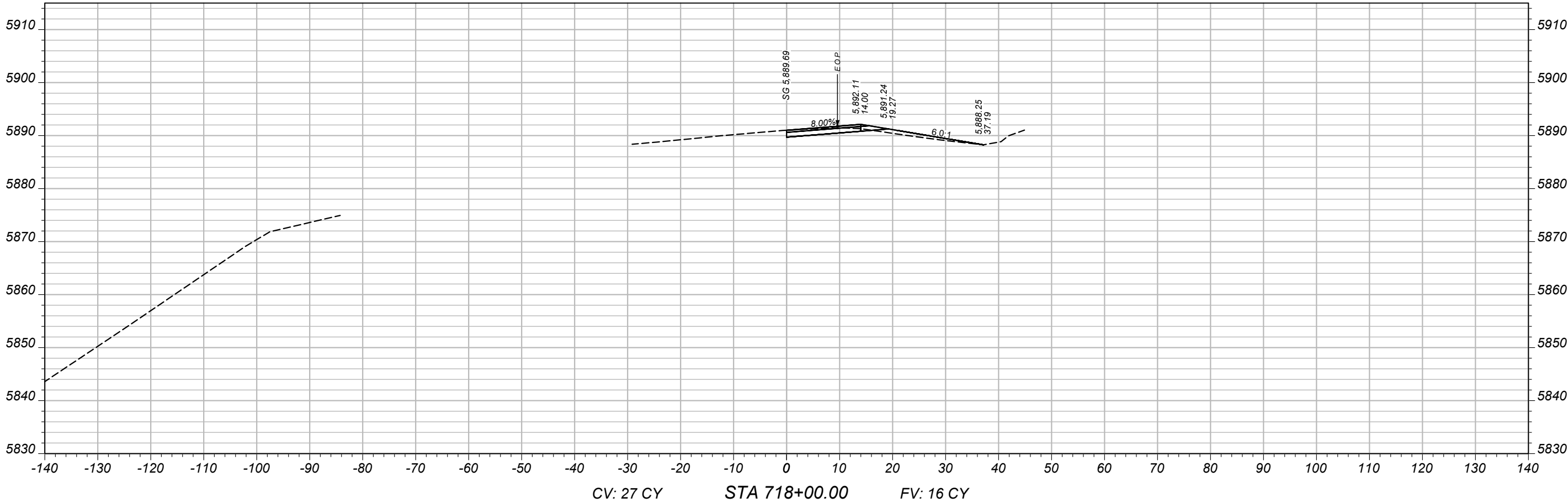
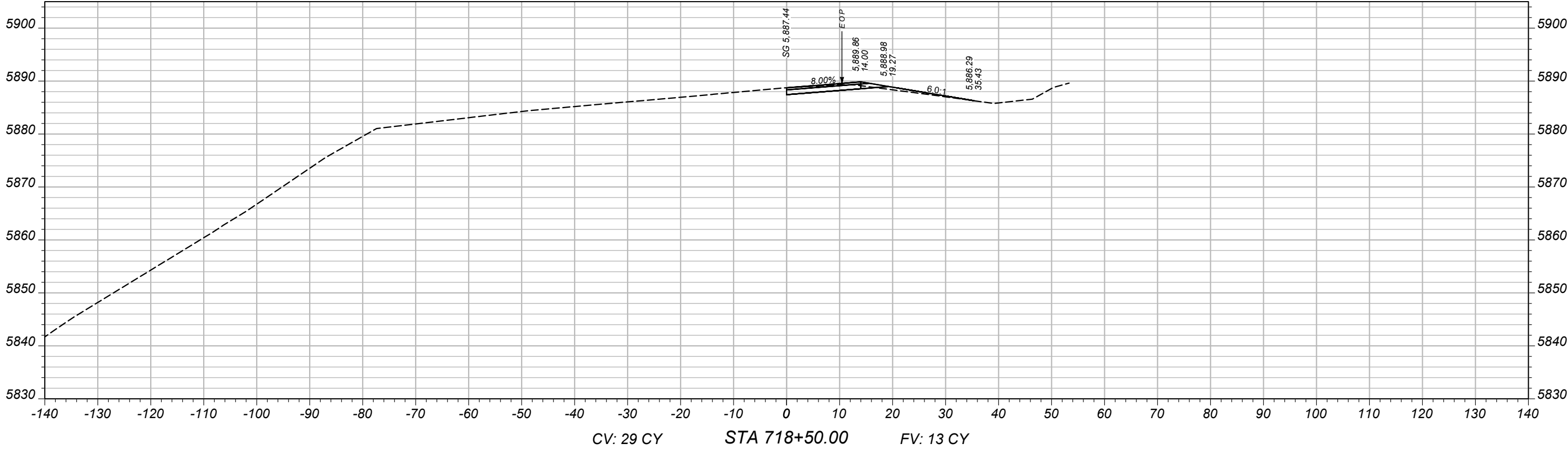
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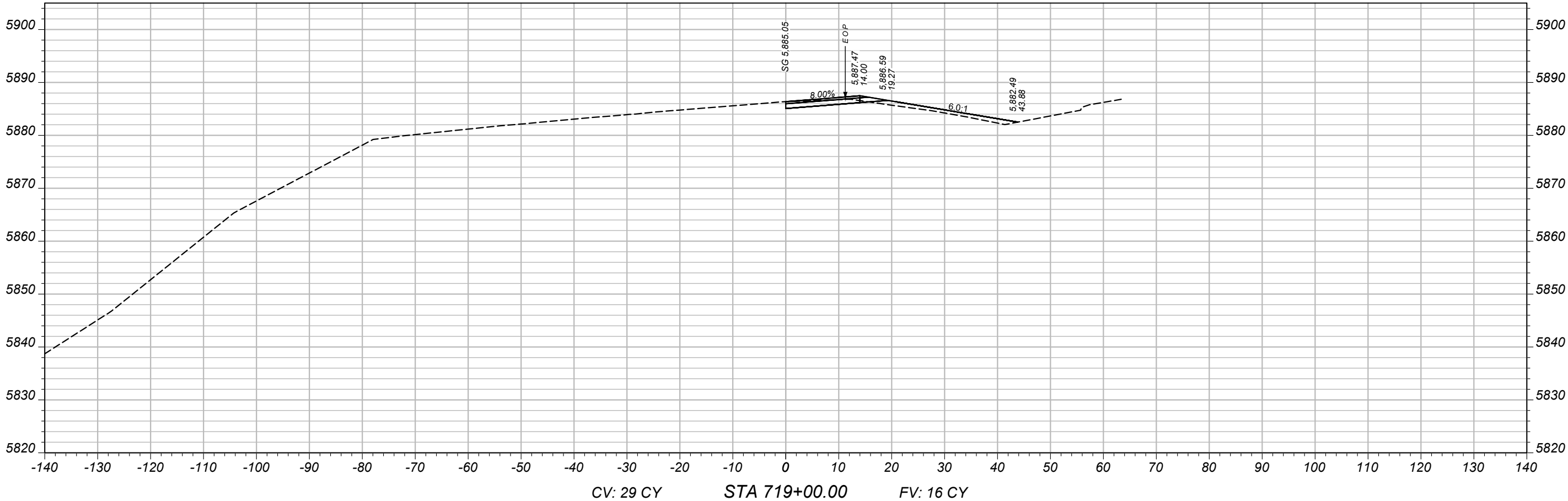
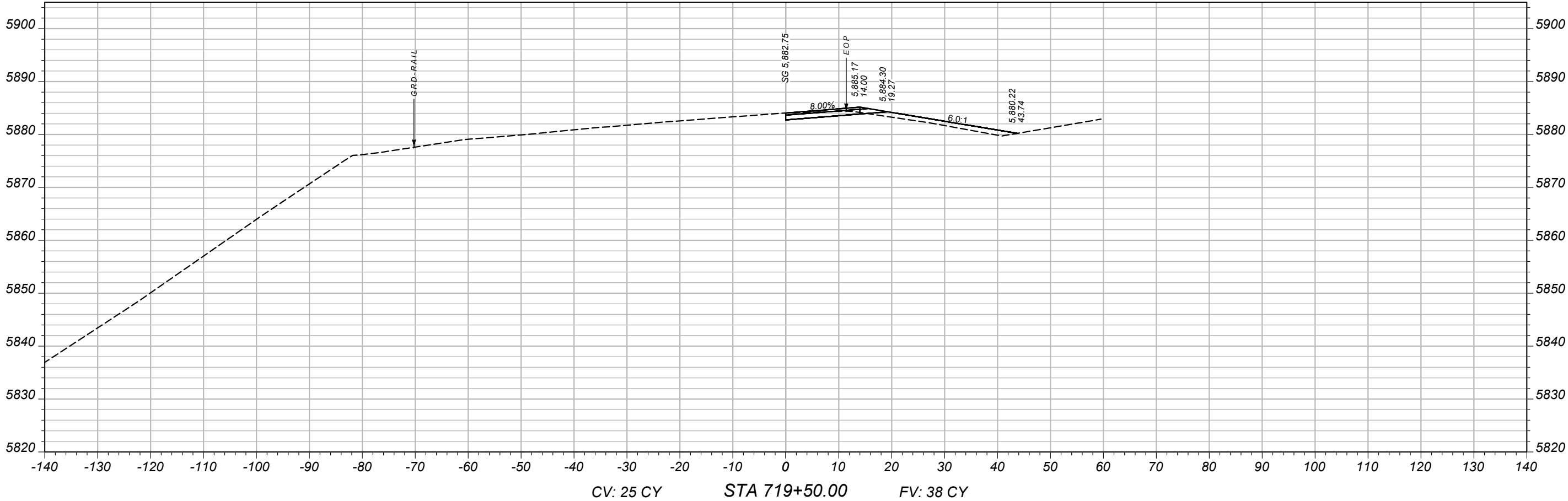
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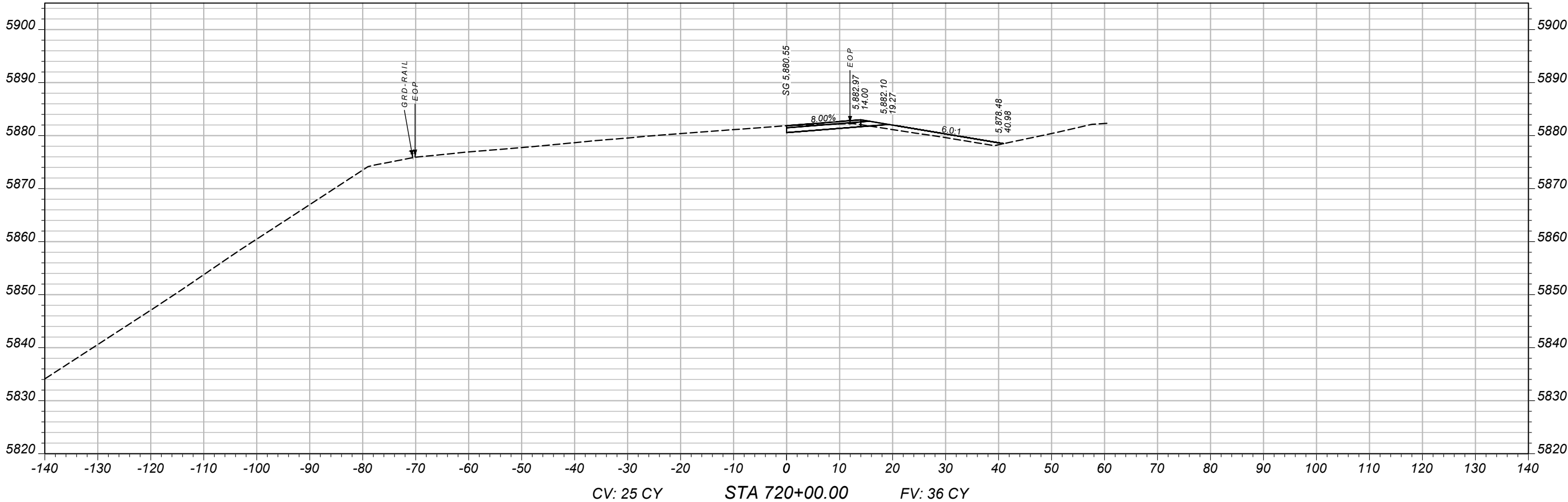
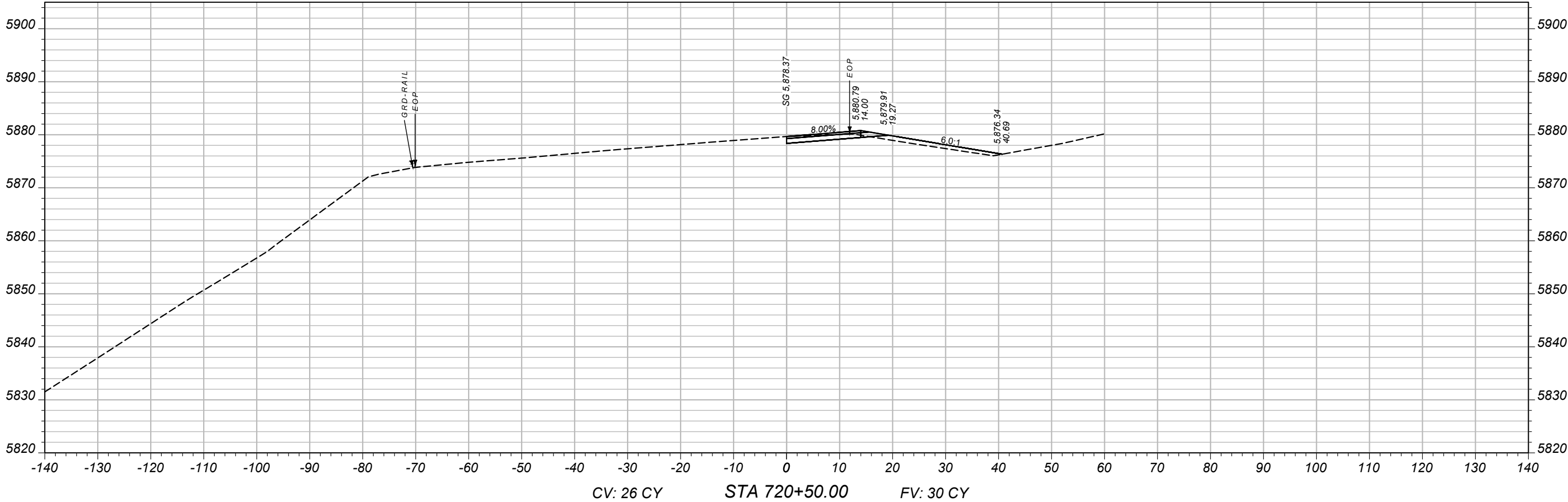
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SF 179 BERNICE CURVE BARRIER

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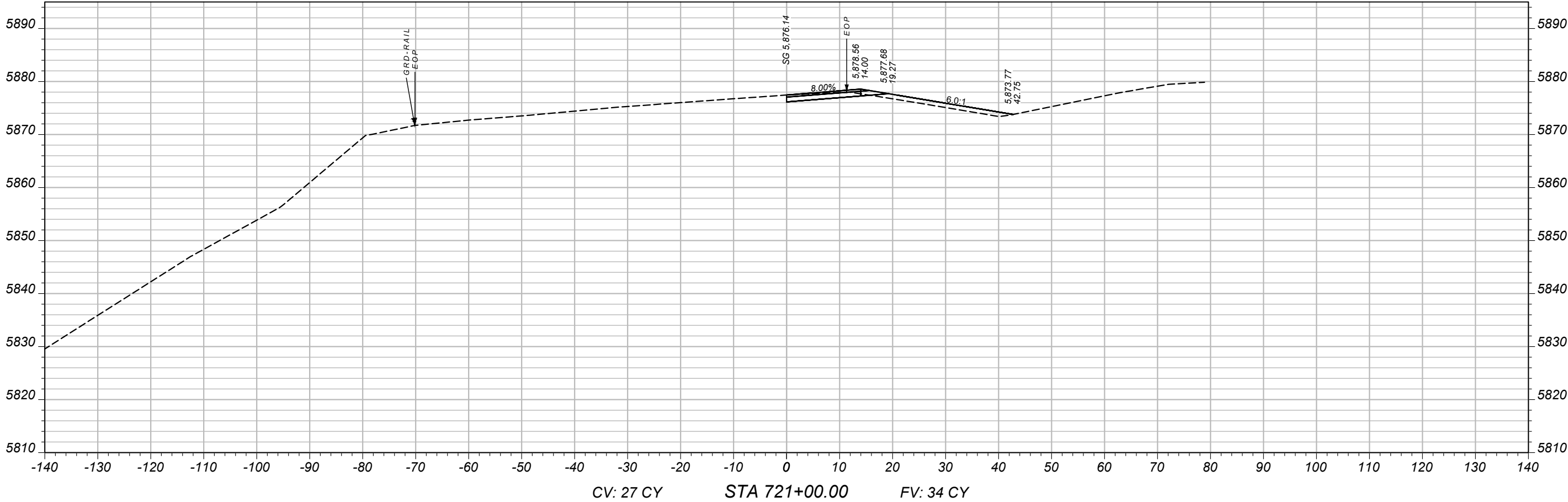
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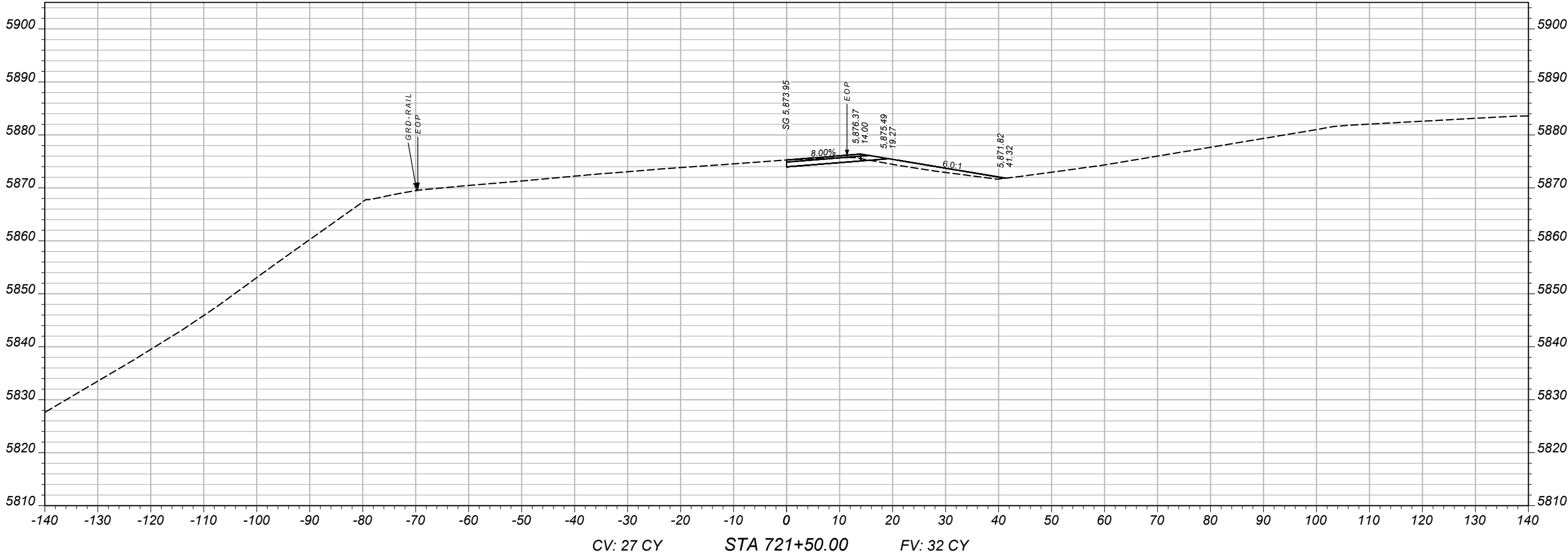
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SF 179 BERNICE CURVE BARRIER

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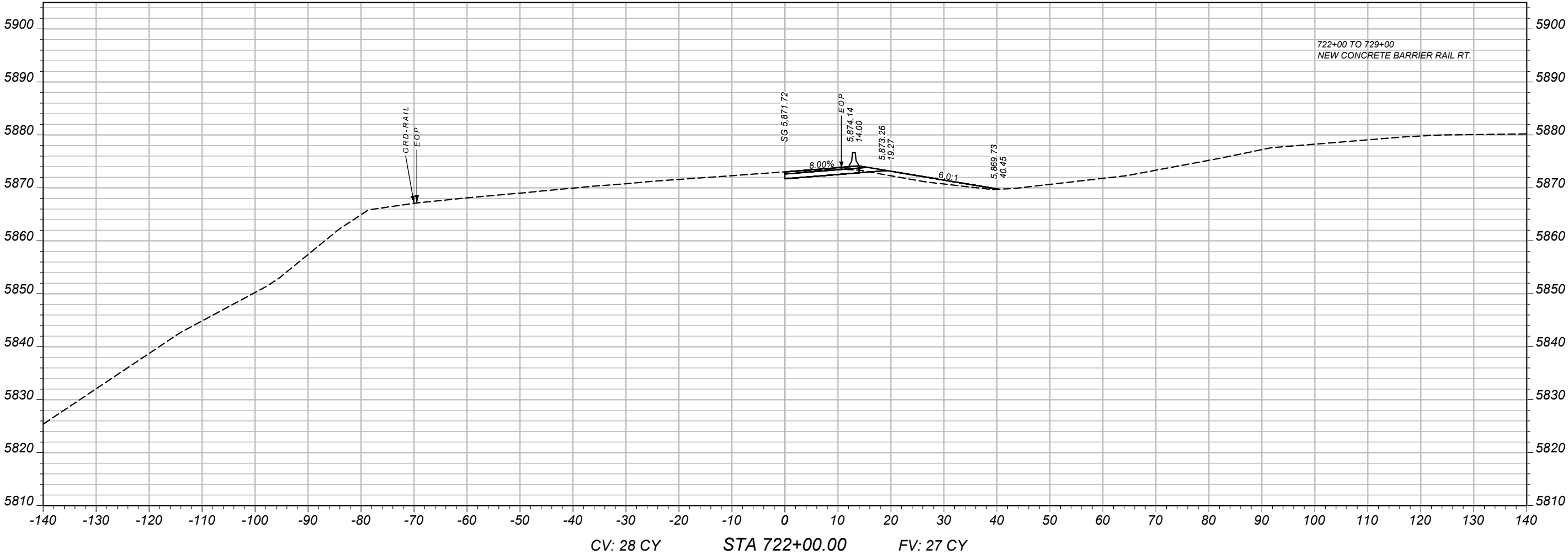
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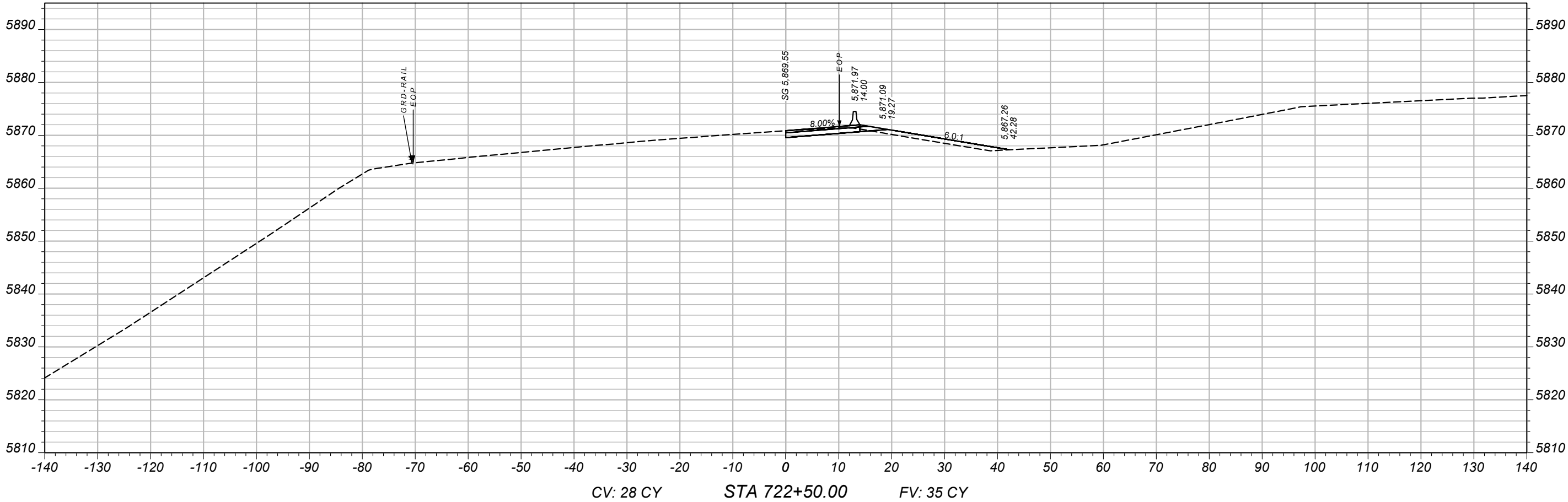
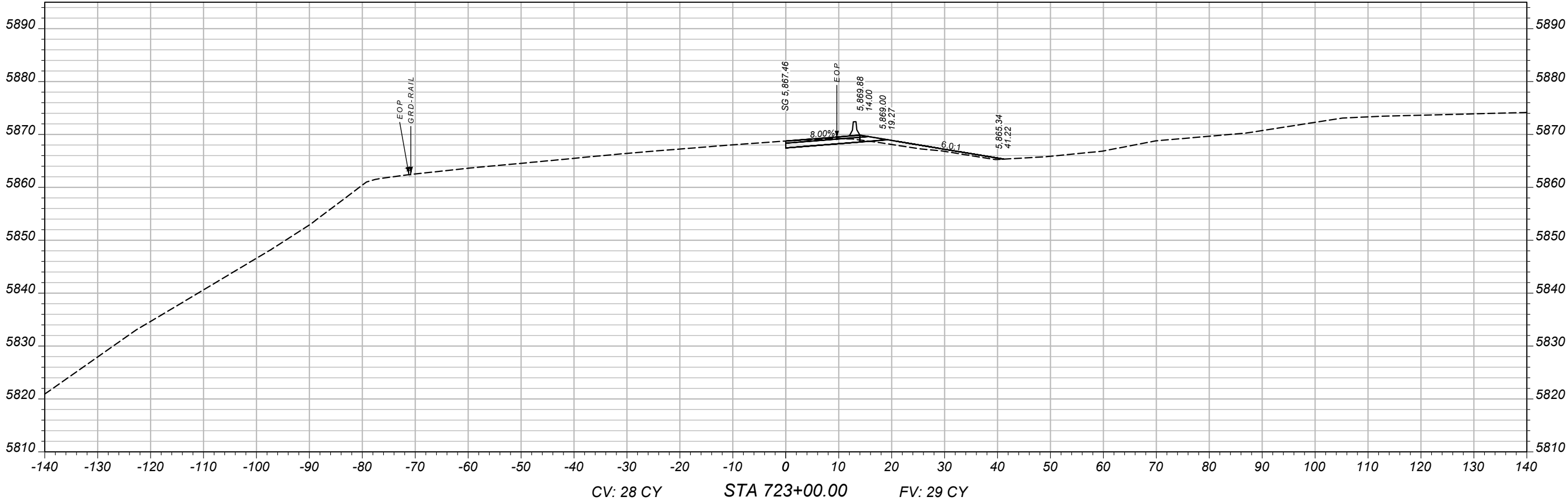
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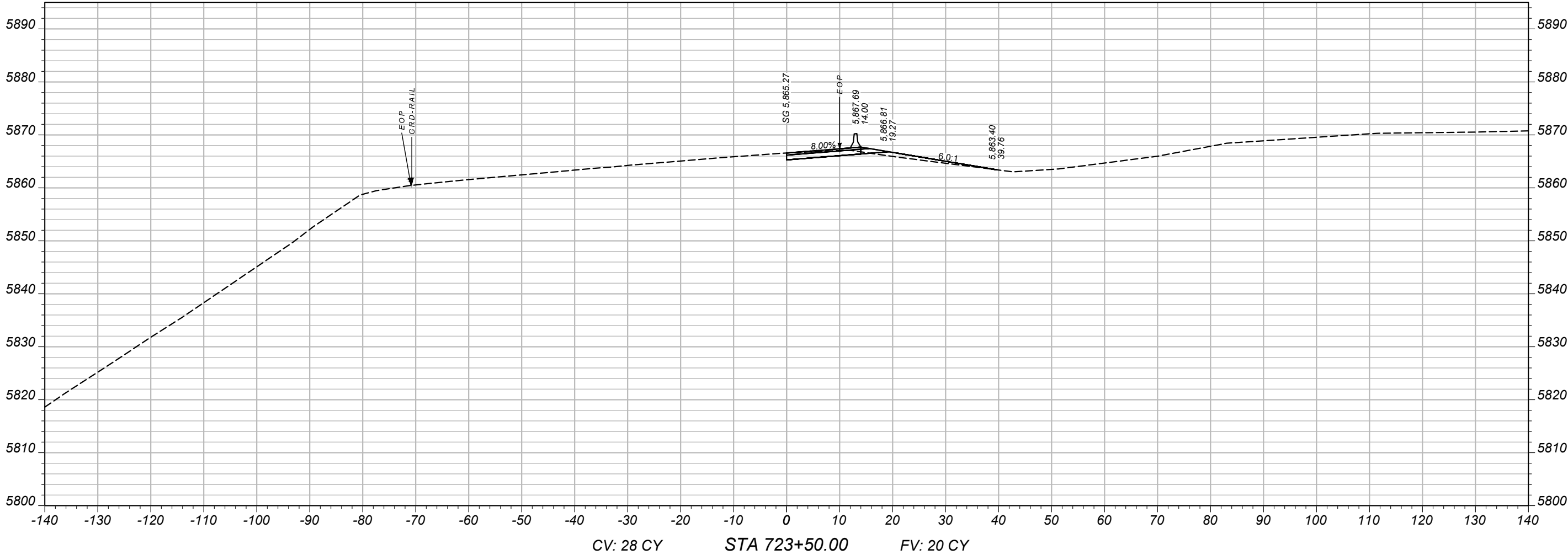
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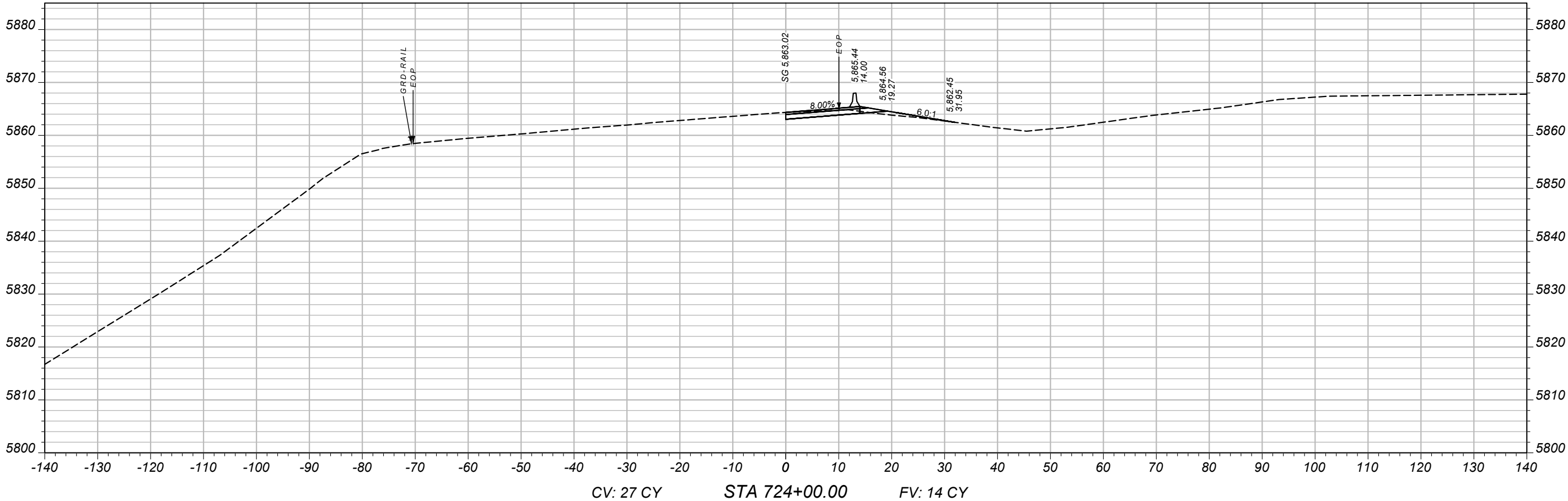
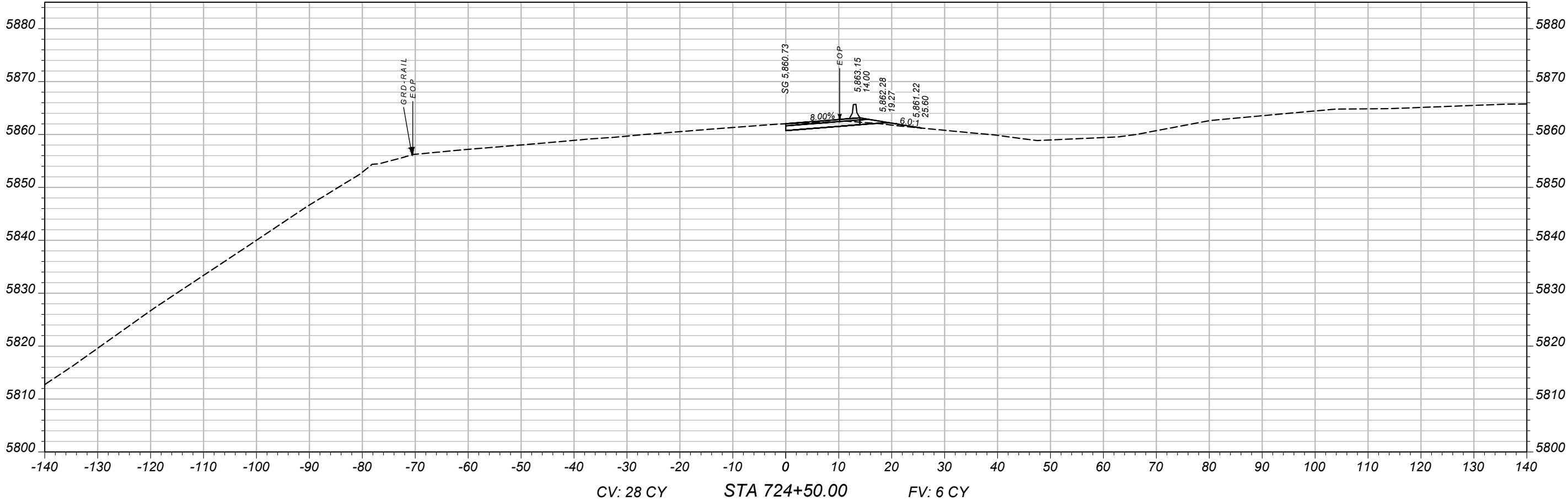
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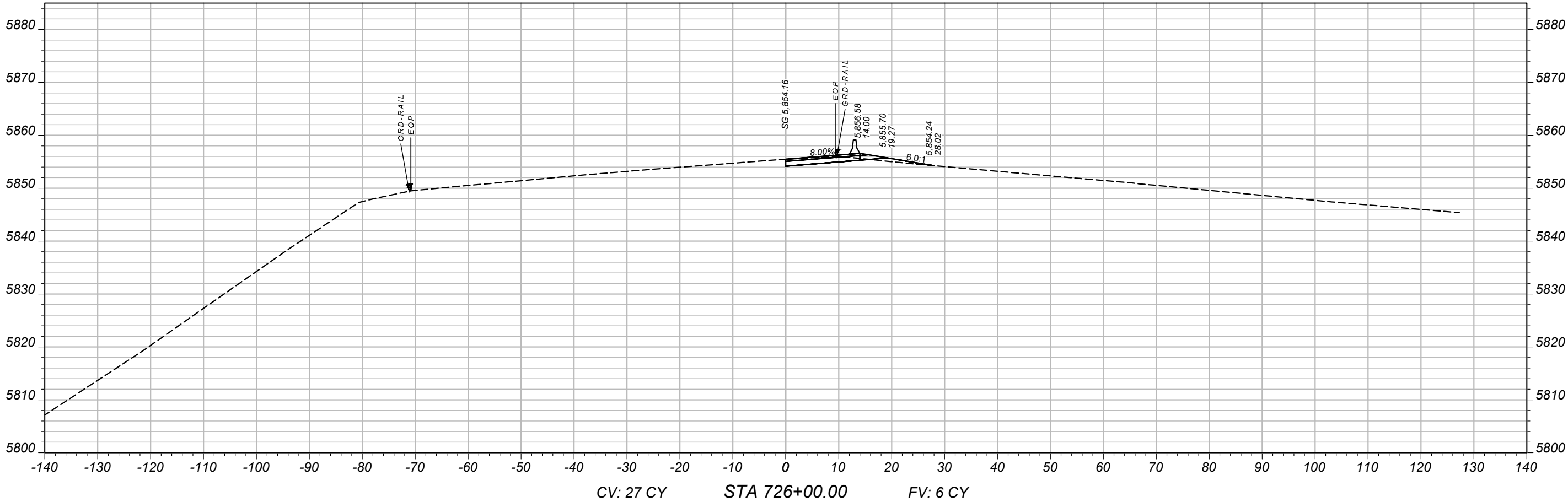
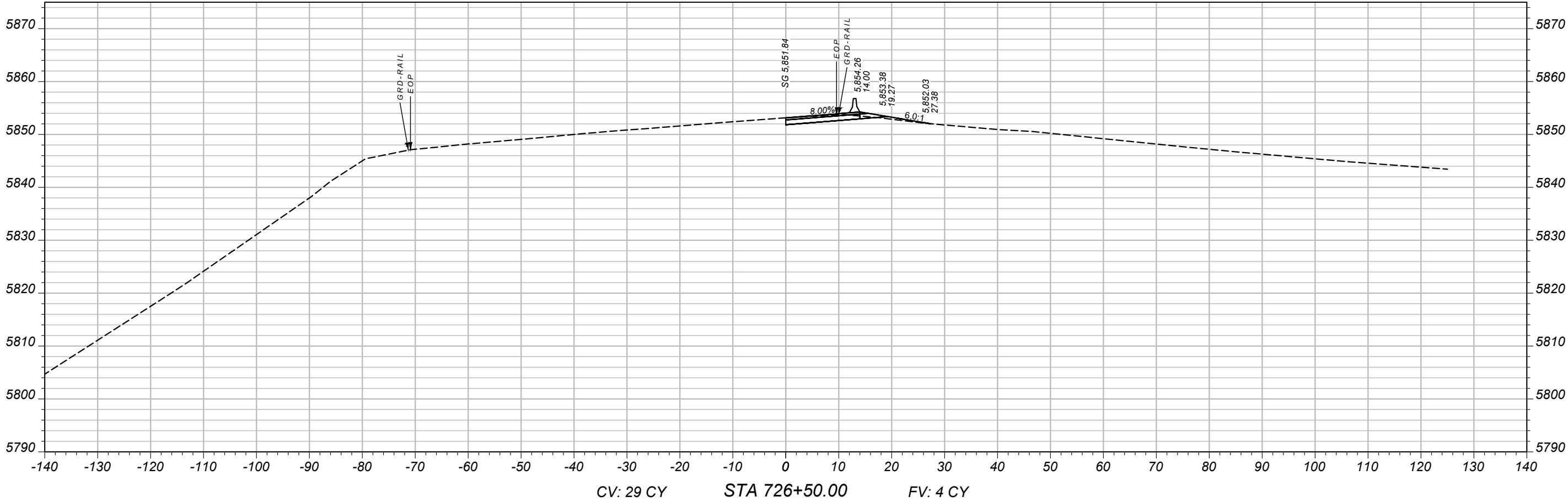


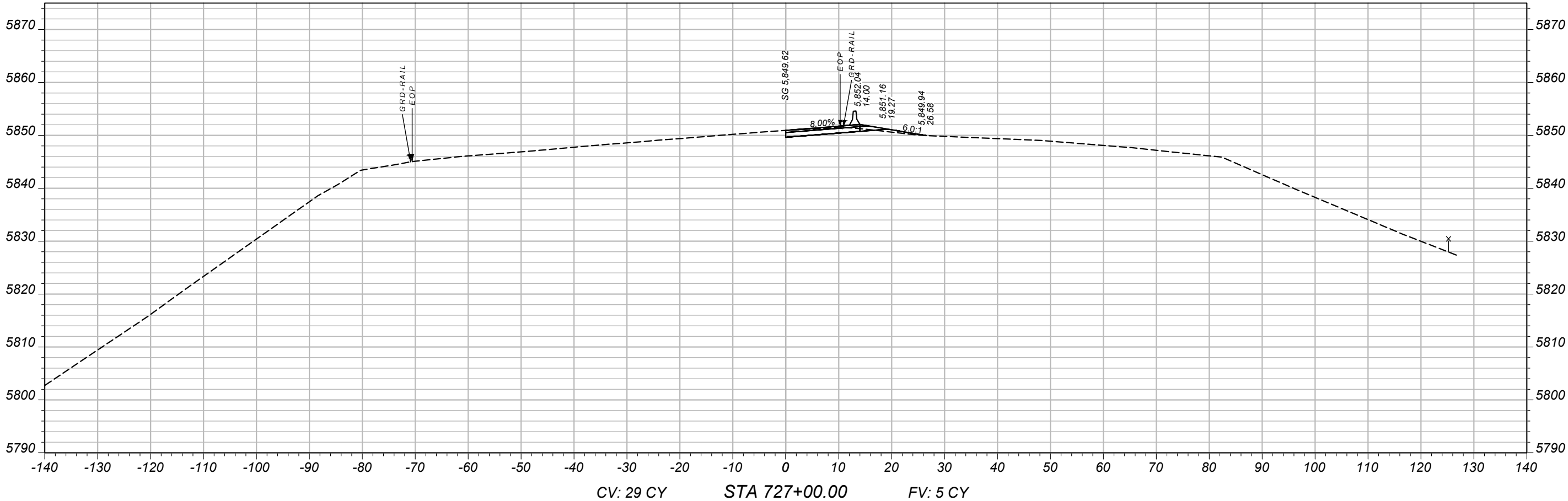
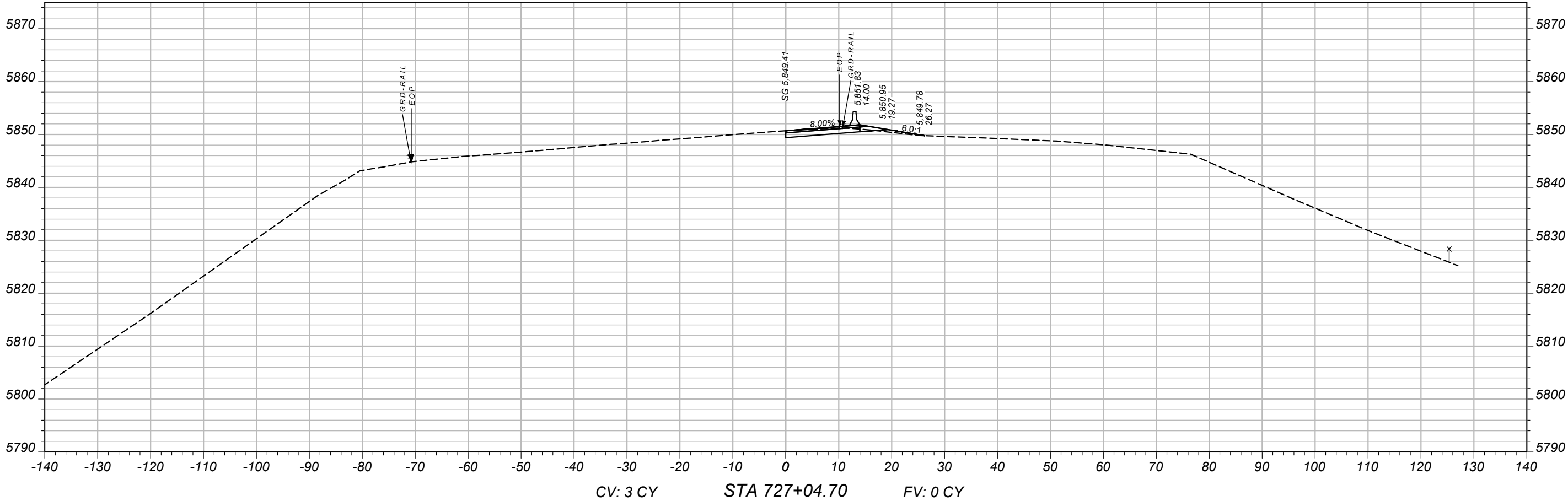




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CROSS SECTIONS

PROJECT NAME
SF 179 BERNICE CURVE BARRIER

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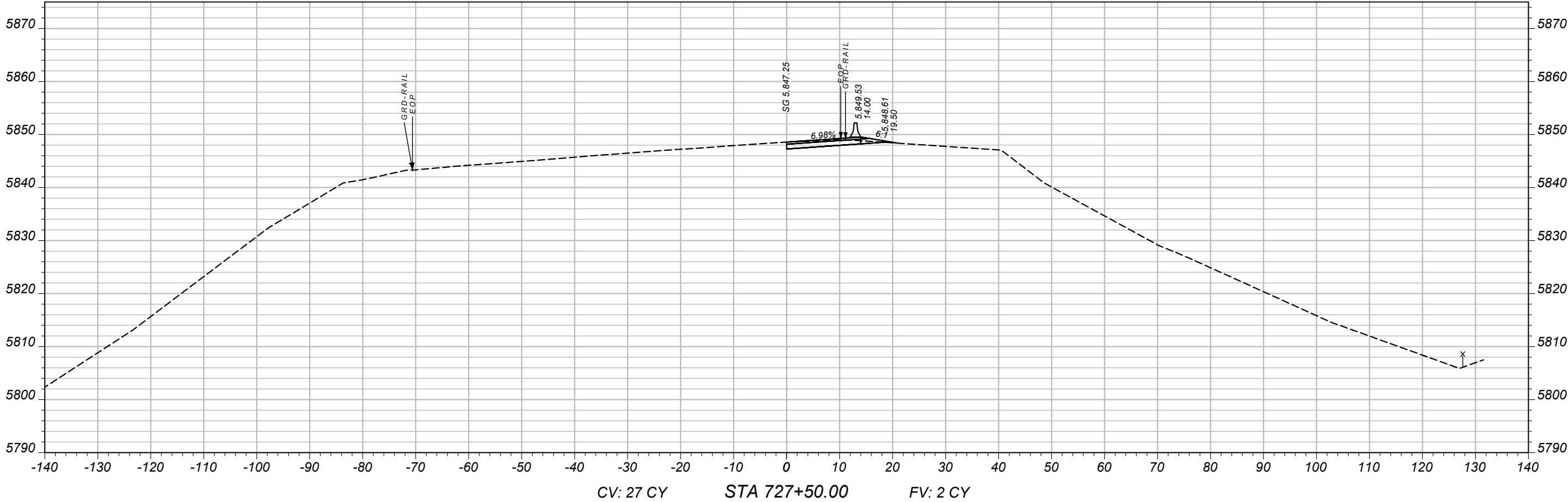
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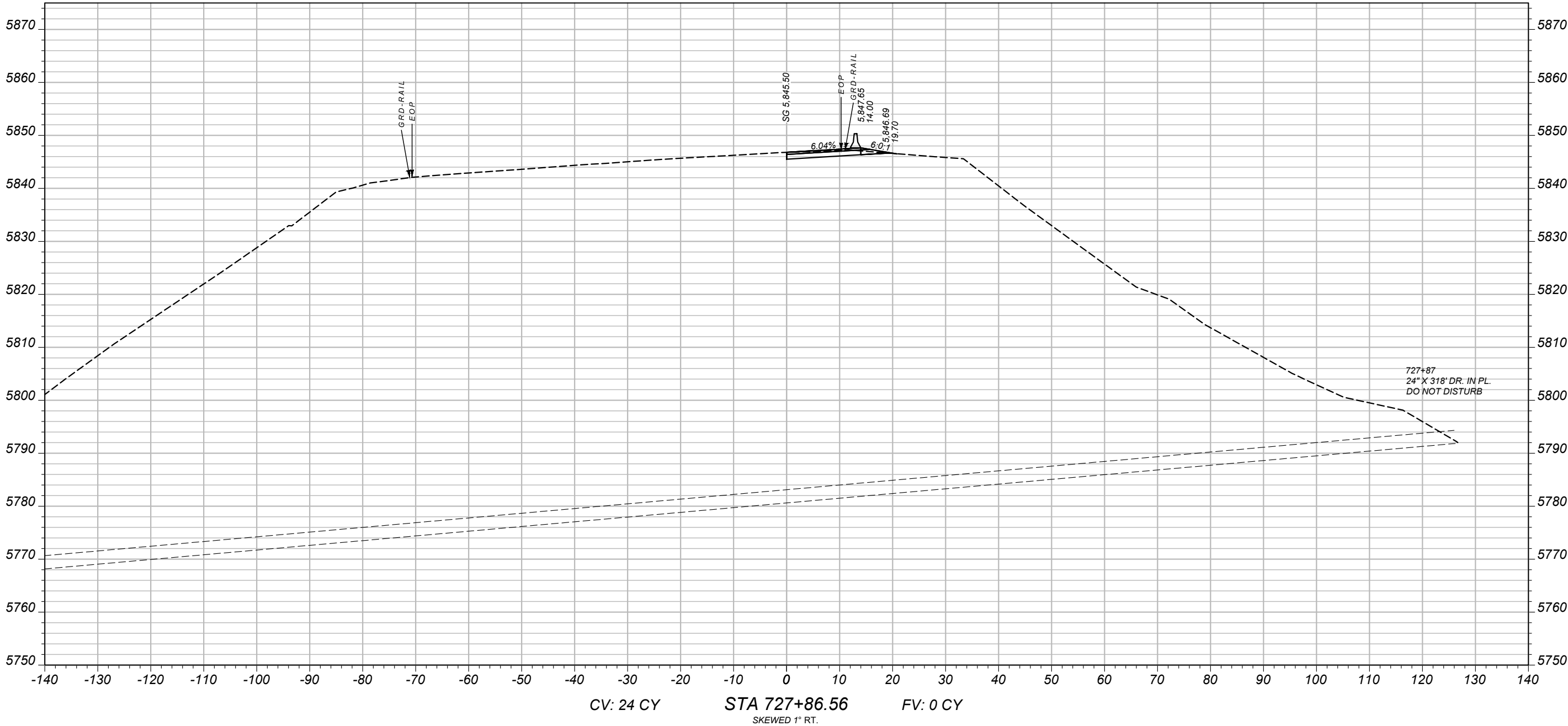


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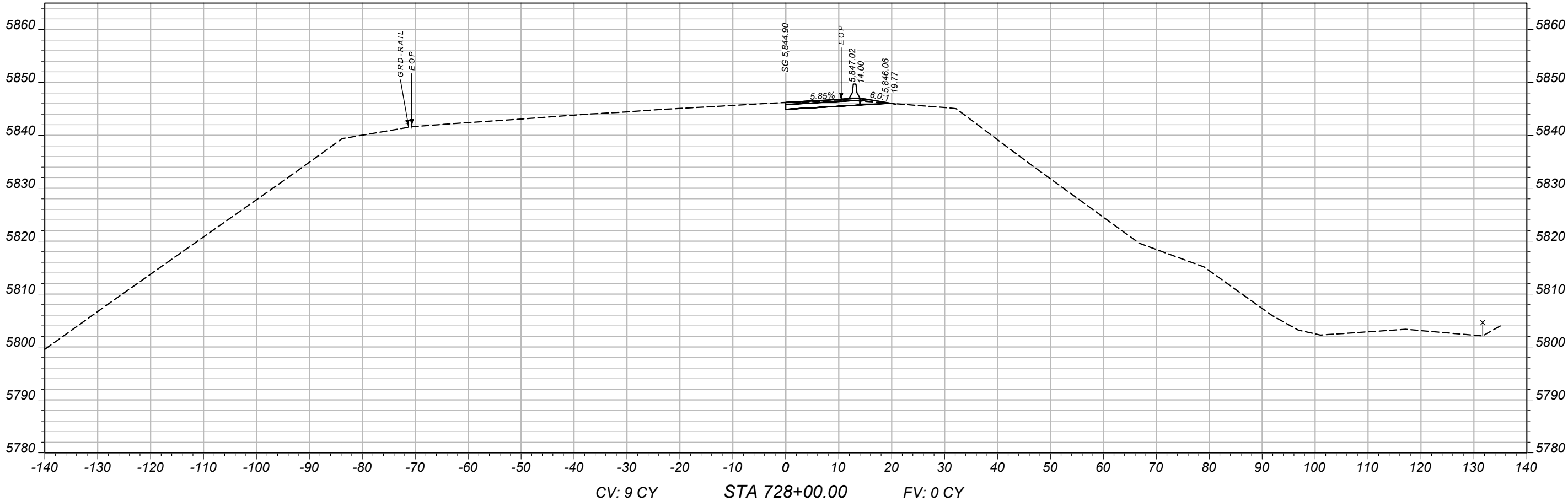
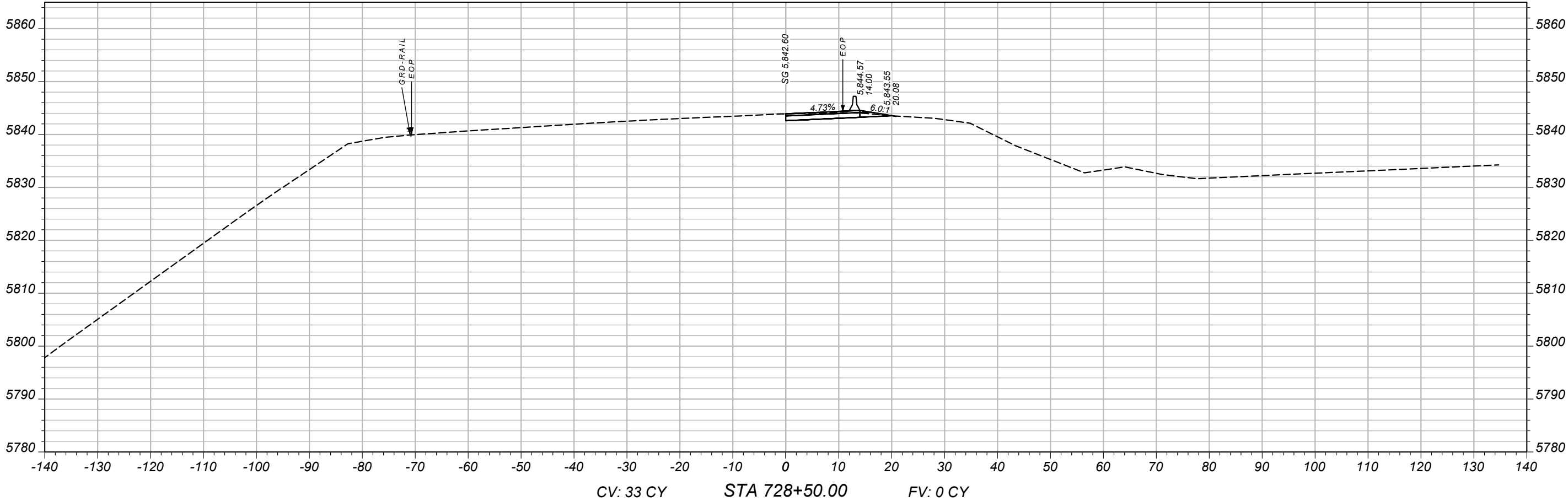
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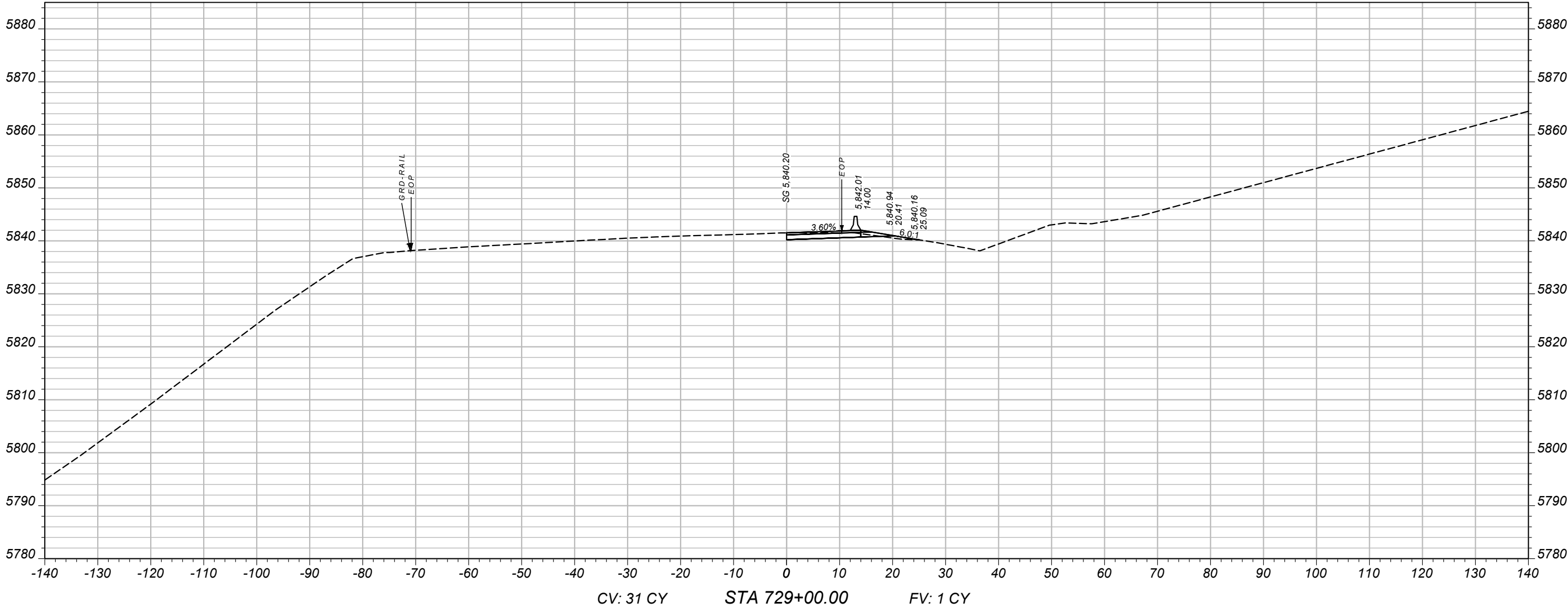
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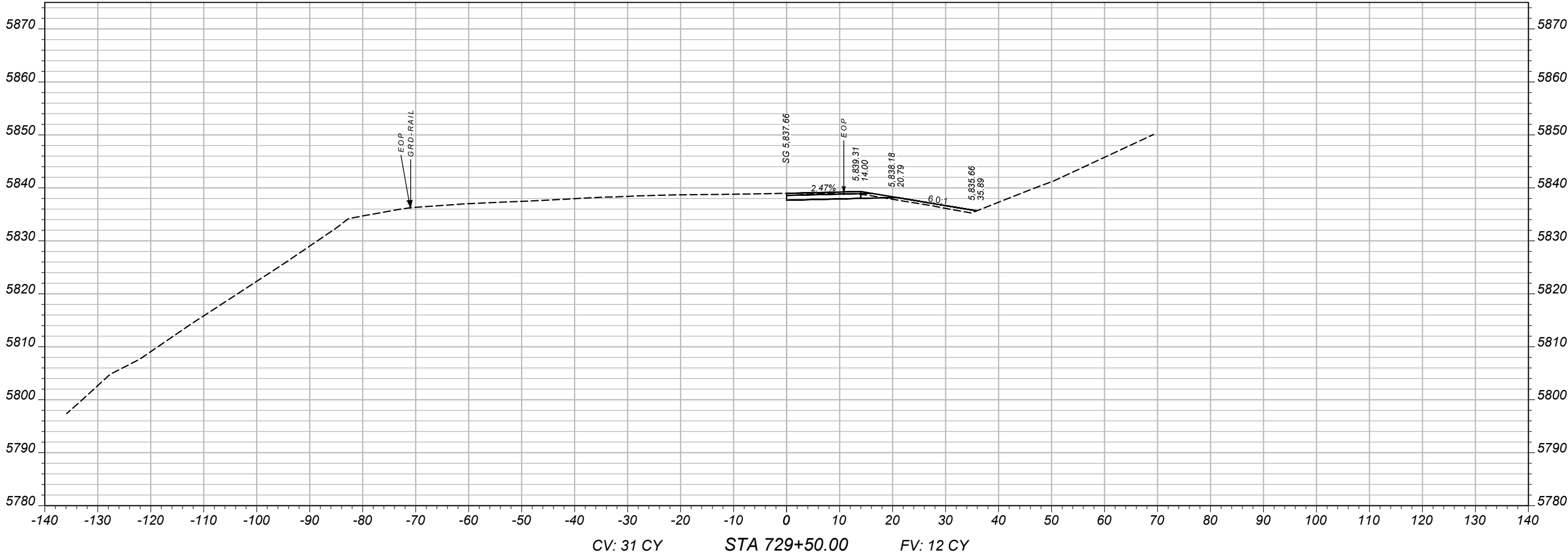
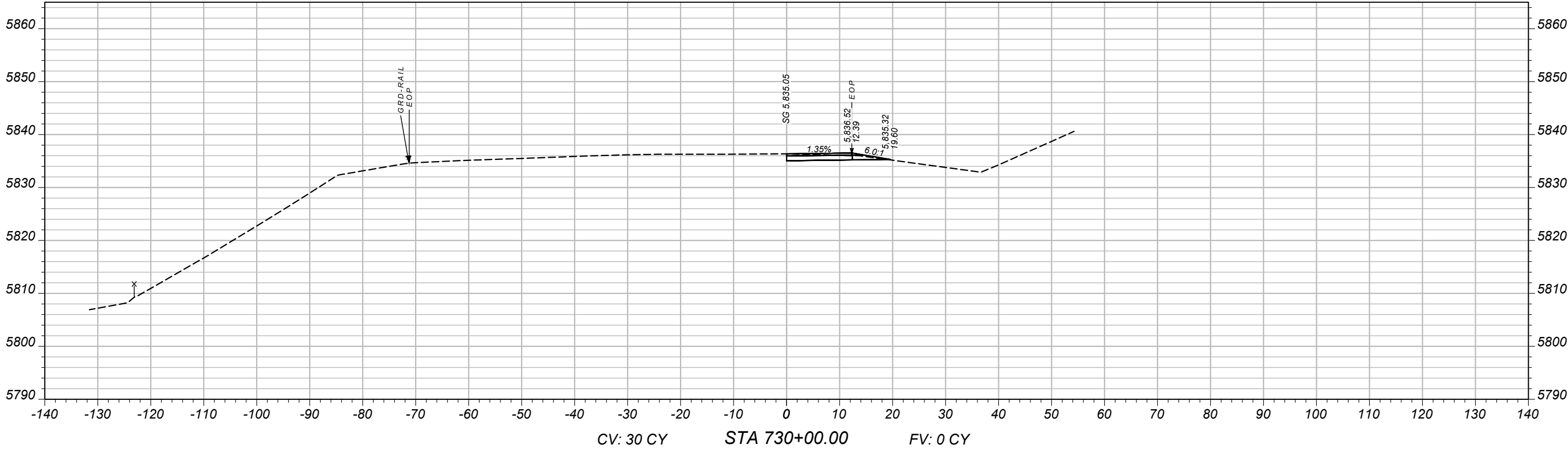
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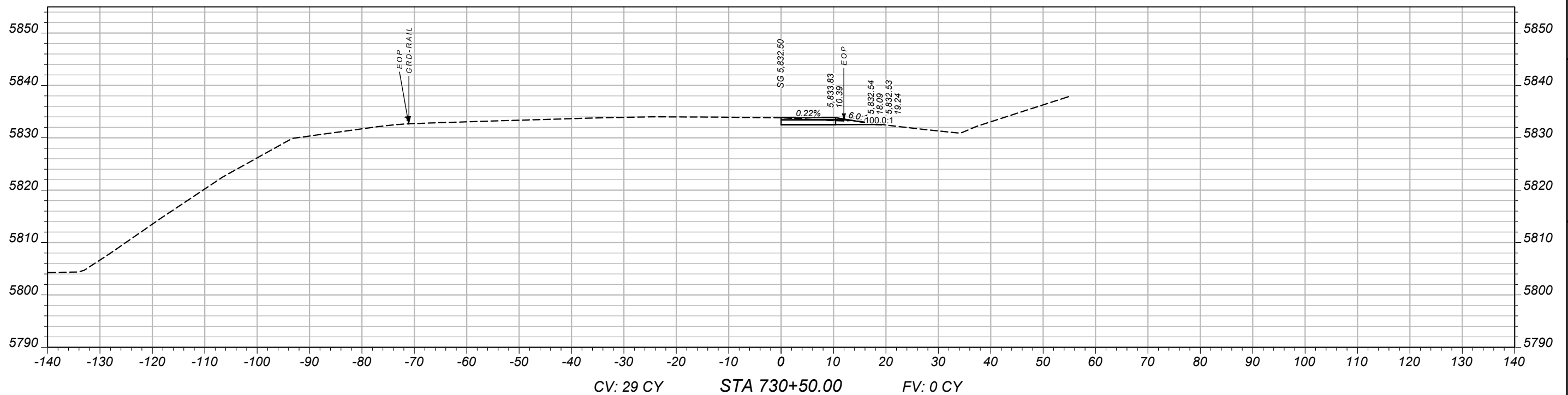
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	A. BORSCHEL	SF 179 BERNICE CURVE BARRIER		
	REVIEWED BY	COUNTY		
		JEFFERSON		
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	T. JOHNSON	HSIP 15-3(113)147		
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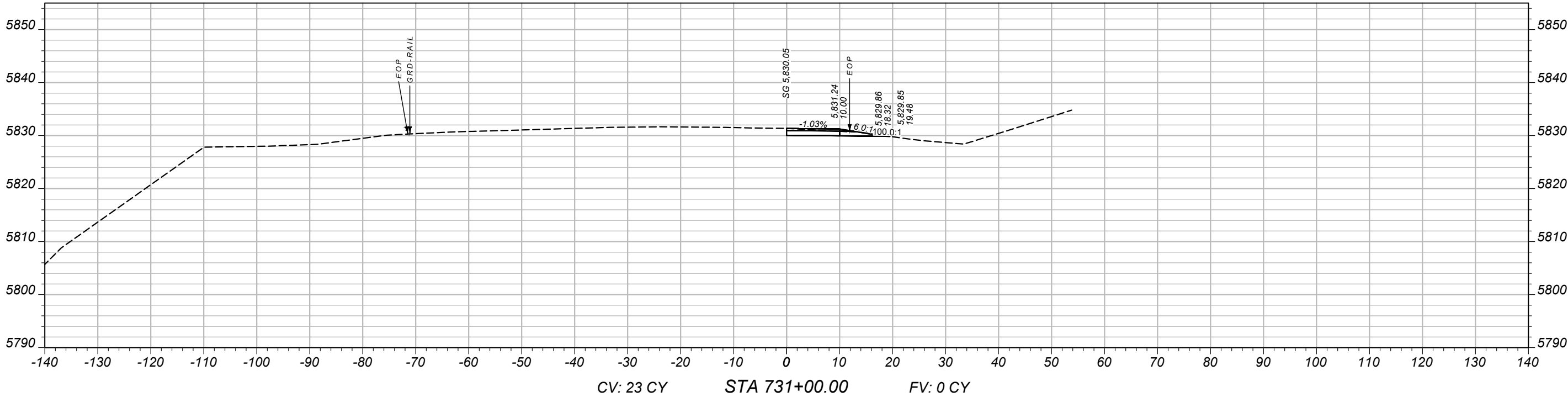
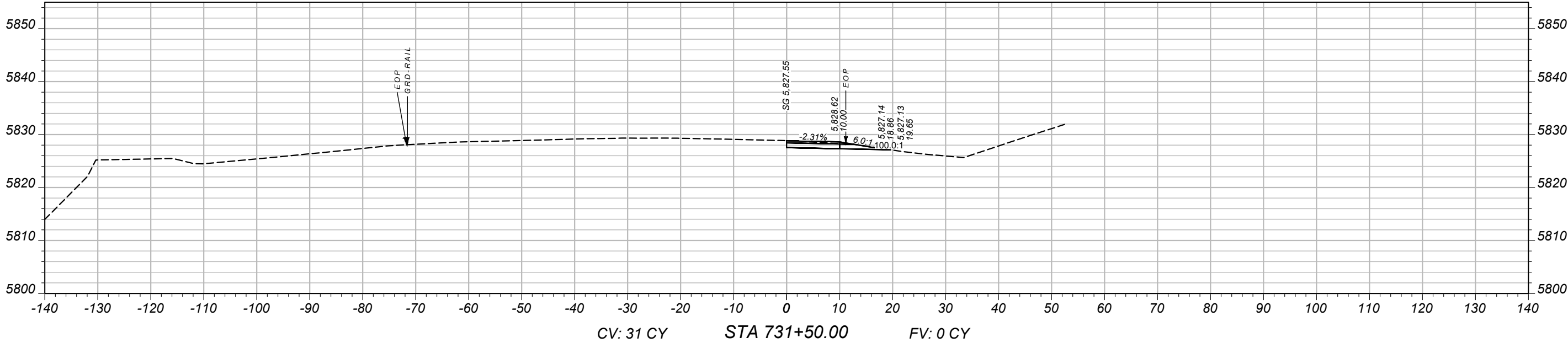
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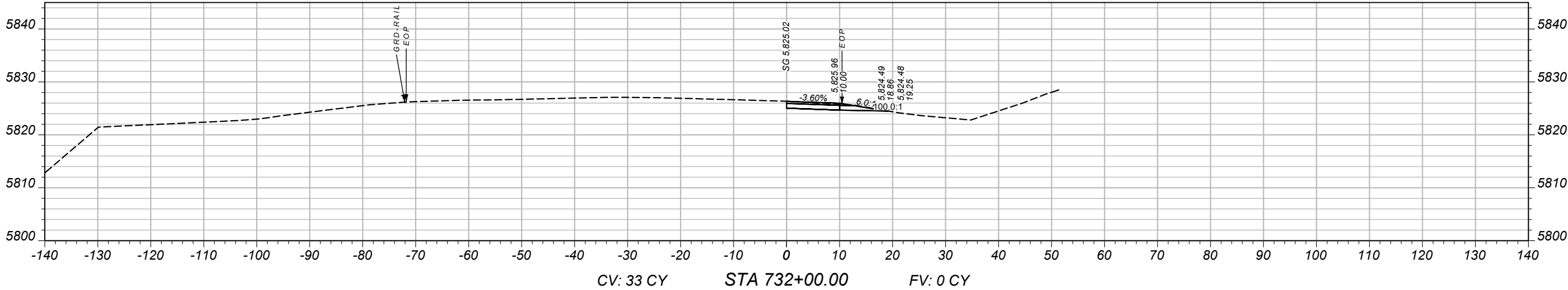
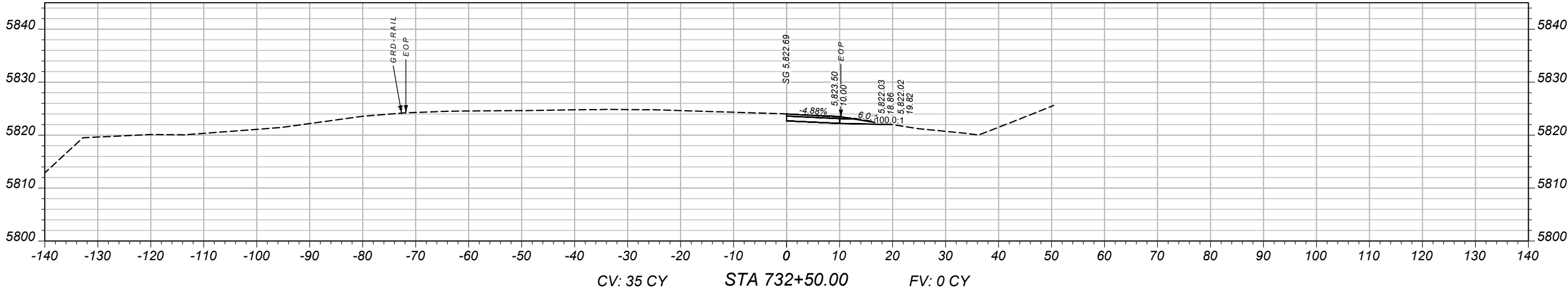
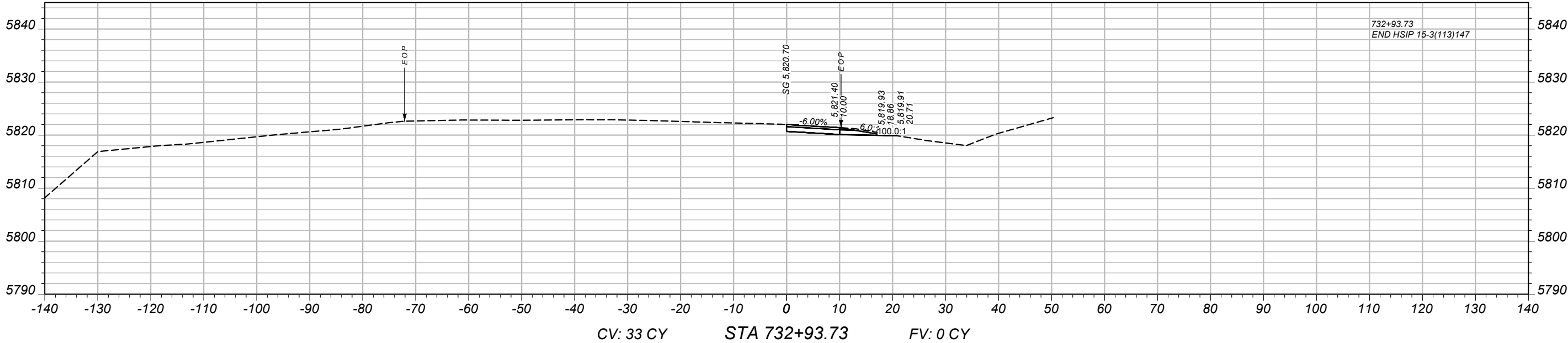
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		A. BORSCHTEL		SF 179 BERNICE CURVE BARRIER	
		REVIEWED BY		COUNTY	
				JEFFERSON	
MAINLINE CROSS SECTIONS		CHECKED BY		PROJECT ID	
				HSIP 15-3(113)147	
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