

Information for File #2013-04576-BGO

Applicant: Burlington Northern and Santa Fe Railway Company

Corps Contact: Benjamin Orne

Address: 180 Fifth Street East, Suite 700, St. Paul, Minnesota 55101-1678

E-Mail: benjamin.g.orne@usace.army.mil

Phone: (651) 290-5280

Primary County: Rock County, Minnesota

Section: 28

Township: 101N.

Range: 46W.

Information Complete On: November 24, 2014

Posting Expires On: December 4, 2014

Authorization Type: LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above.

Work Proposed

The Burlington Northern and Santa Fe Railway Company (BNSF) proposes to discharge dredged or fill material into 0.61 acre of shrub-carr (Type 6) wetlands and 0.16 acre of shallow marsh (Type 3) wetlands adjacent to an unnamed tributary to Mud Creek. The work will be conducted in association with the extension of an existing siding located in Hills, Minnesota to enhance operations along the Marshall Subdivision that extends from Willmar, Minnesota to Sioux City, Iowa. This subdivision is a segment of a main north south transportation route for BNSF. BNSF is expanding capacity to meet the needs of local, regional, and nationwide shipping clients by extending the existing siding to allow smooth operations of longer trains on this section of main-line track. The proposed

siding extension will be built by placing fill along the eastern side of the track to extend the existing siding track. A short access road will be built on the south end of the siding to allow maintenance of the switch, signals, and appurtenances.

Avoidance and Minimization Statement from Applicant

Avoidance. BNSF chose to extend the existing siding to avoid additional impacts created by construction of a new, longer siding in a different location. The only other way to avoid impacts would be to not construct the siding, which would create operational challenges to BNSF and reduce the amount of freight that could be moved along this line. Freight rail transportation continues to be the safest, most economical method to move freight, and reduces the amount of pollution that would be generated by replacing the rail transportation using trucks.

Minimization. The project was designed to be located on the east side of the main-line to minimize impacts to existing wetlands. All work is proposed to be within the established grading limits to reduce any unnecessary impacts. The area of impact would be greater if the siding was located on the west side of the tracks. No temporary impacts are proposed.

Off-Site Alternatives. No off-site alternatives analysis is provided at this time.

Compensatory Mitigation Proposal from Applicant

The applicant proposes to satisfy compensatory wetland mitigation requirements by debiting 1.54 shallow marsh (Type 3) wetland credits from Minnesota Wetland Bank account #1475 (Ruby), serving Bank Service Area 8.

Federally-listed Threatened and Endangered Species

According to the USFWS Midwest Region website, which was checked on November 21, 2014, the Northern long-eared bat (proposed as endangered), Topeka shiner (endangered), Prairie bush clover (threatened), and Western prairie fringed orchid (threatened) are found in Rock County, Minnesota.

Historic Properties

The latest version of the National Register of Historic Places has been consulted and no listed properties (known to be eligible for inclusion, or included in the register) are located within the project area.

State Listed Impaired (Section 303(d)) Waters

According to the Minnesota Pollution Control Agency's Impaired Waters Viewer, which was checked on November 21, 2014, Mud Creek is listed as an Impaired River/Stream for aquatic life due to excessive turbidity (suspended solids).

Drawings See attached.



TWIN CITIES DIVISION HILLS SIDING EXTENSION

MARSHALL SUBDIVISION
HILLS - MP 144.6

JUNE 24, 2014

PROJECT DRAWINGS

SHEET #	SHEET TITLE	SHEET DESCRIPTION
GENERAL		
1	G-100	COVER SHEET
2	G-101	KEY PLAN
WETLAND IMPACTS		
3	W-101	WETLAND IMPACTS
4	W-102	WETLAND IMPACTS
5	W-103	WETLAND IMPACTS
6	W-104	WETLAND IMPACTS
CROSS SECTIONS		
7	XS-101	CROSS SECTIONS
8	XS-102	CROSS SECTIONS
9	XS-103	CROSS SECTIONS
10	XS-104	CROSS SECTIONS
11	XS-105	CROSS SECTIONS
12	XS-106	CROSS SECTIONS
13	XS-107	CROSS SECTIONS
14	XS-108	CROSS SECTIONS
15	XS-109	CROSS SECTIONS
16	XS-110	CROSS SECTIONS

VICINITY MAP - NTS



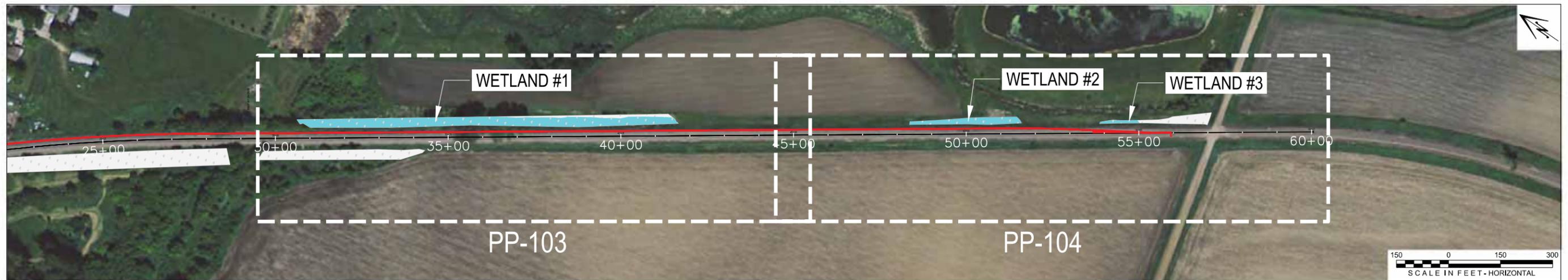
PROJECT NUMBER: 60309643
 COST ELEMENT
 LINE ITEM
 CONTRACT DESIGNATOR
 PHYSICAL ENTITY
 WORK ELEMENT
 \$ FILE \$
 \$ PLTDRVS \$
 \$ PENIBLS \$
 \$ DATE \$



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WETLAND JURISDICTIONAL REVIEW





WETLAND	IMPACT AREA
1	26,560
2	6,007
3	817
SF	33,384
ACRES	0.77

 WETLAND IMPACTS

PROJECT NUMBER: 60038643
 COST ELEMENT: [blank]
 LINE ITEM: [blank]
 CONTRACT DESIGNATOR: [blank]
 GENERAL ENTRY: [blank]
 WORK ELEMENT: [blank]
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NOT FOR CONSTRUCTION
90% SUBMITTAL

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 CHECKED BY: KJR
 APPROVED BY: [blank]
 DATE: JUNE 24, 2014

BY: SLS APP

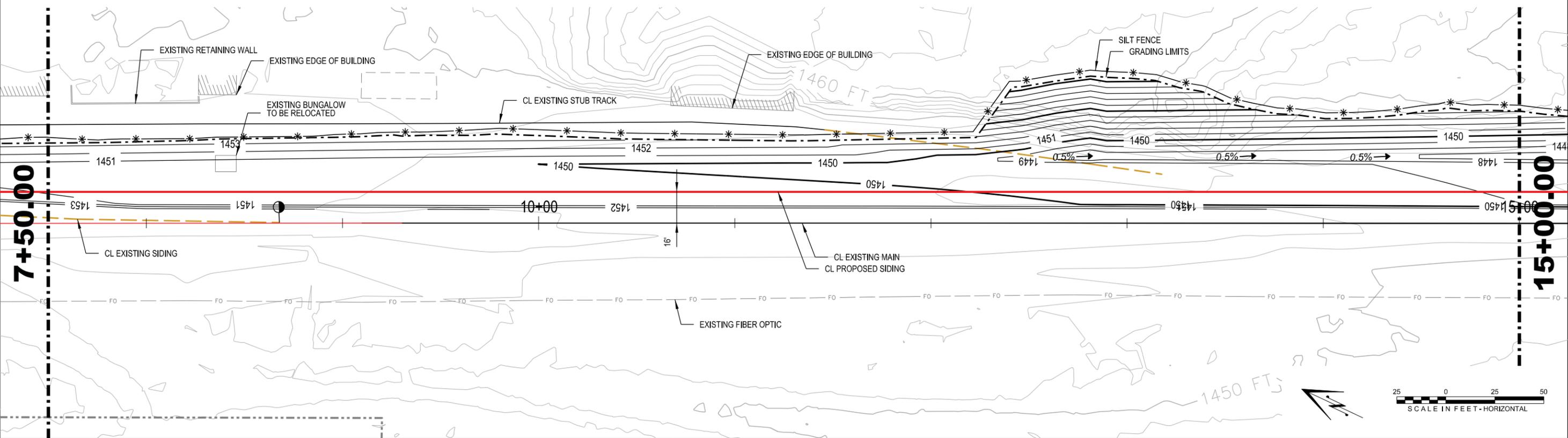
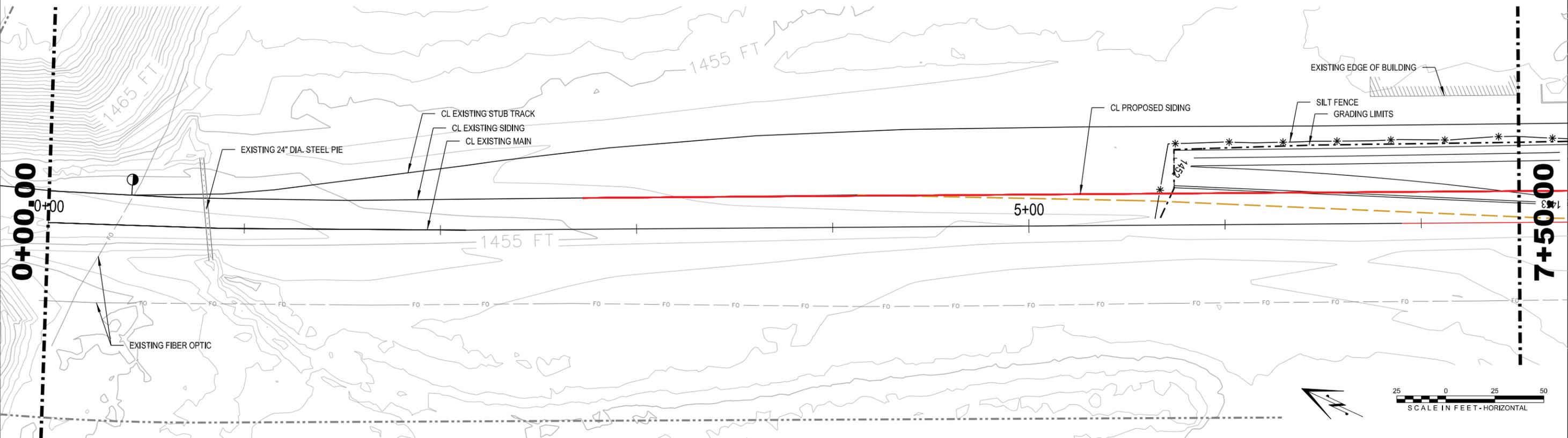
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PROFESSIONAL ENGINEER
 LICENSED PROFESSIONAL ENGINEER
 STATE OF MINNESOTA
 XXXX
 RYAN P. RASKE

BNSF RAILWAY COMPANY
 MARSHALL SUBDIVISION
 HILLS
 KEY PLAN

CONTRACT NO.	
DRAWING NO.	G-101
REVISION	SHEET 2 OF 16
SCALE	



PROJECT NUMBER	60038643
COST ELEMENT	
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REV	DATE	DESCRIPTION	BY	SUB	APP

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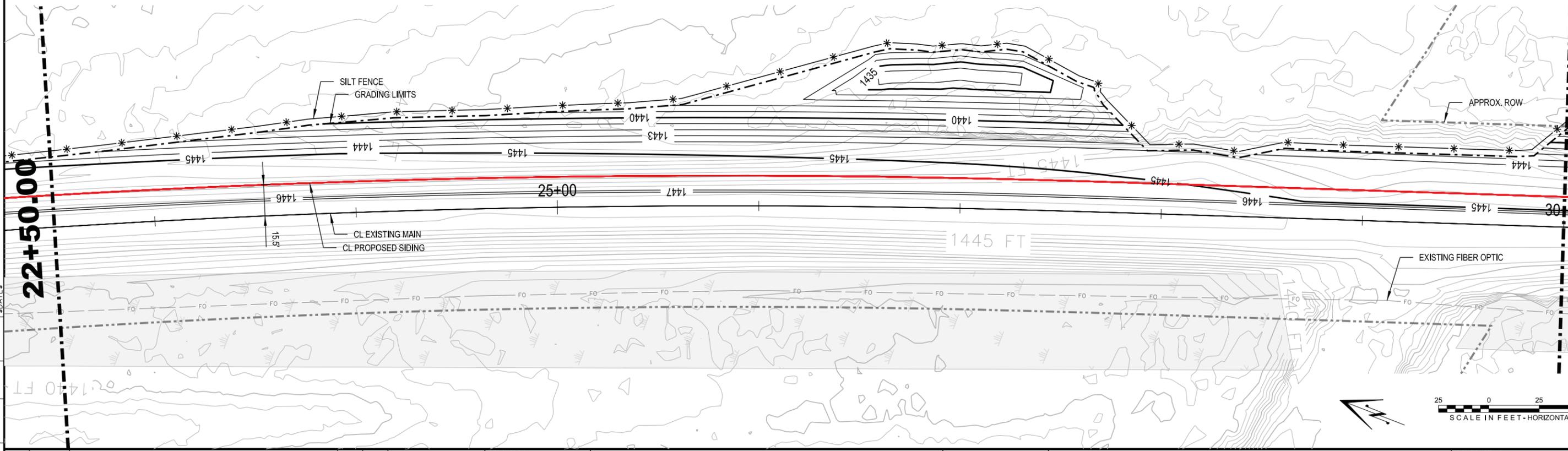
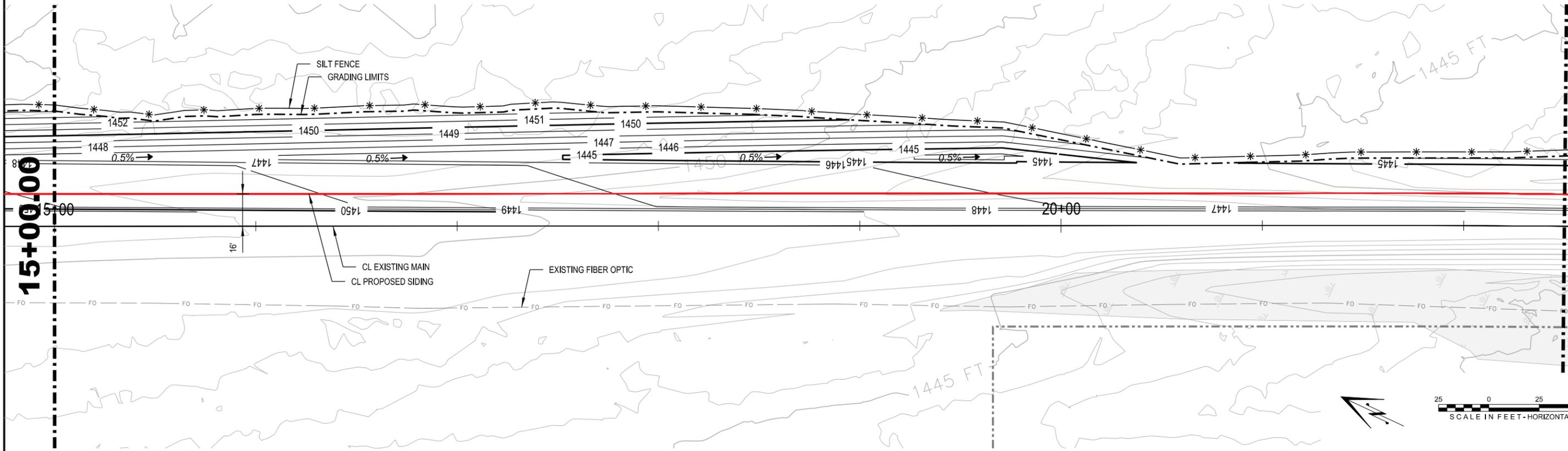


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WETLAND IMPACTS

CONTRACT NO.	
DRAWING NO.	W-101
REVISION	SHEET 3 OF 16
SCALE	AS SHOWN



PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
FILES	
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\$ DATE	

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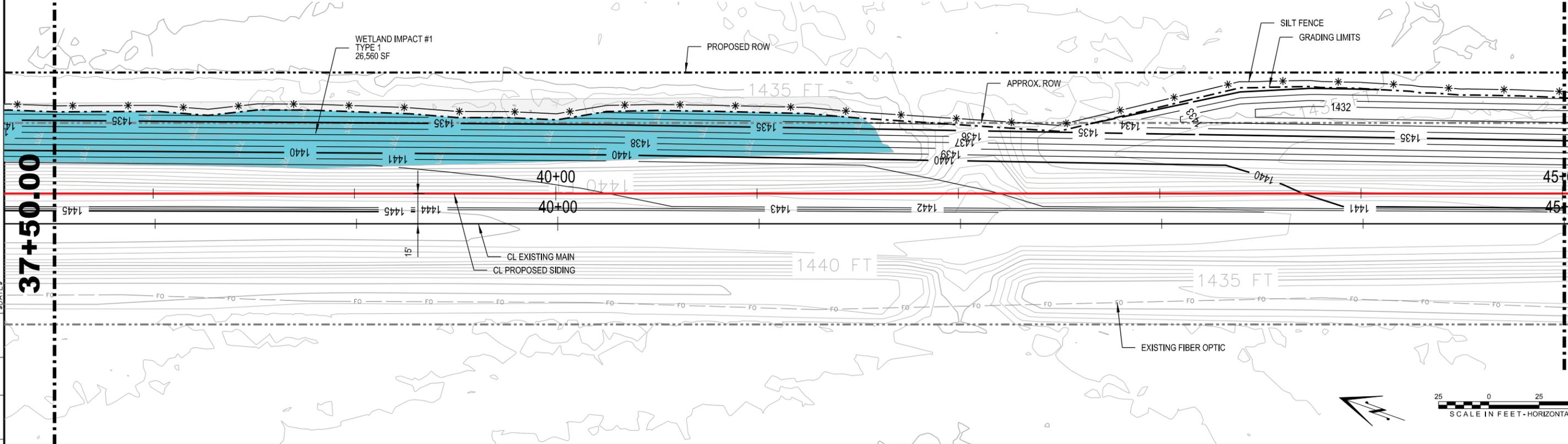
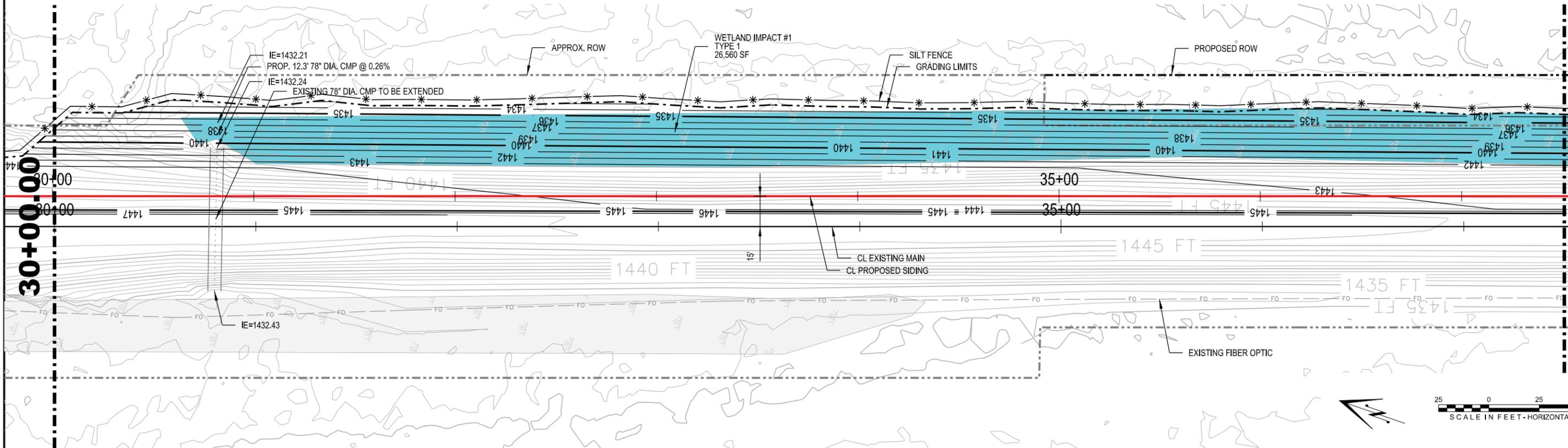
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WETLAND IMPACTS

CONTRACT NO.	
DRAWING NO.	W-102
REVISION	SHEET 4 OF 16
SCALE AS SHOWN	



PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
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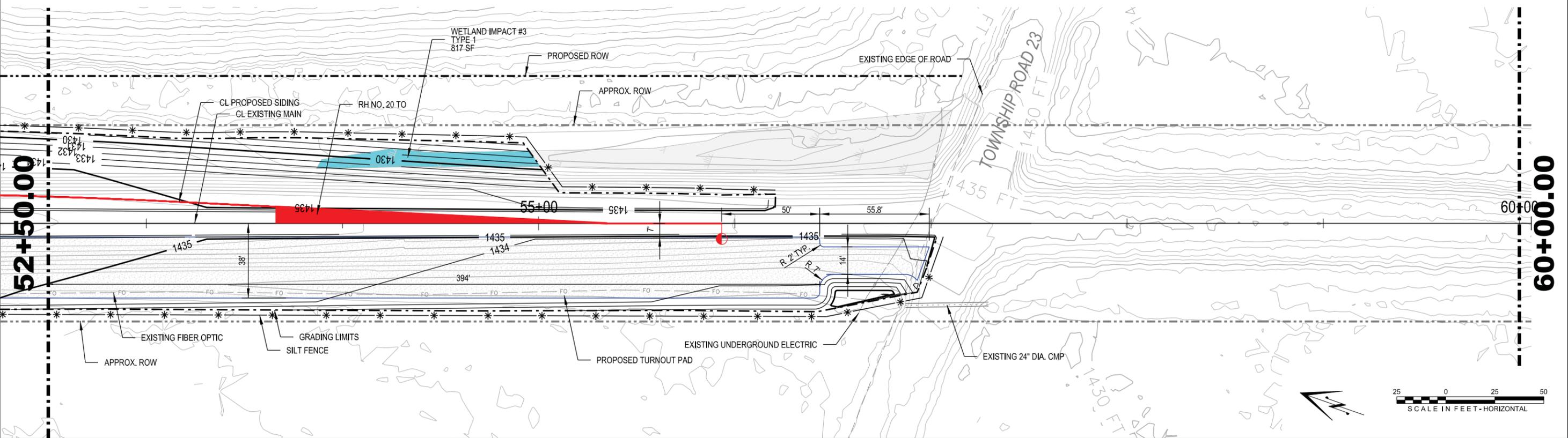
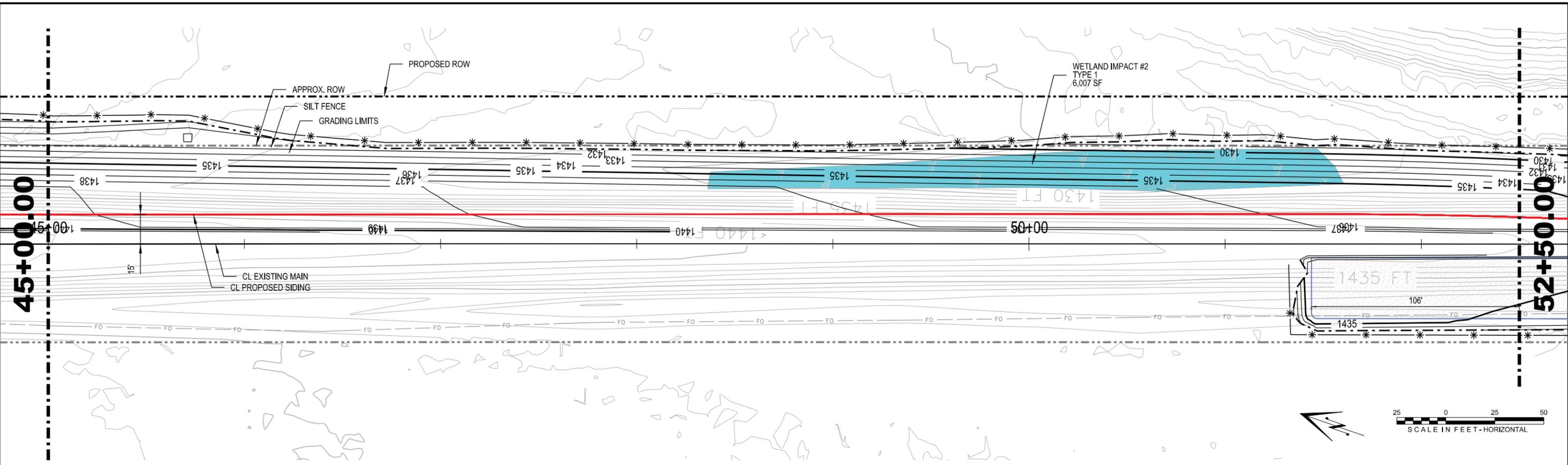
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HILLS
WETLAND IMPACTS

CONTRACT NO.	
DRAWING NO.	W-103
REVISION	SHEET 5 OF 16
SCALE	AS SHOWN



PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
FILES	
SPLITDRVS	
SPENTBLSS	
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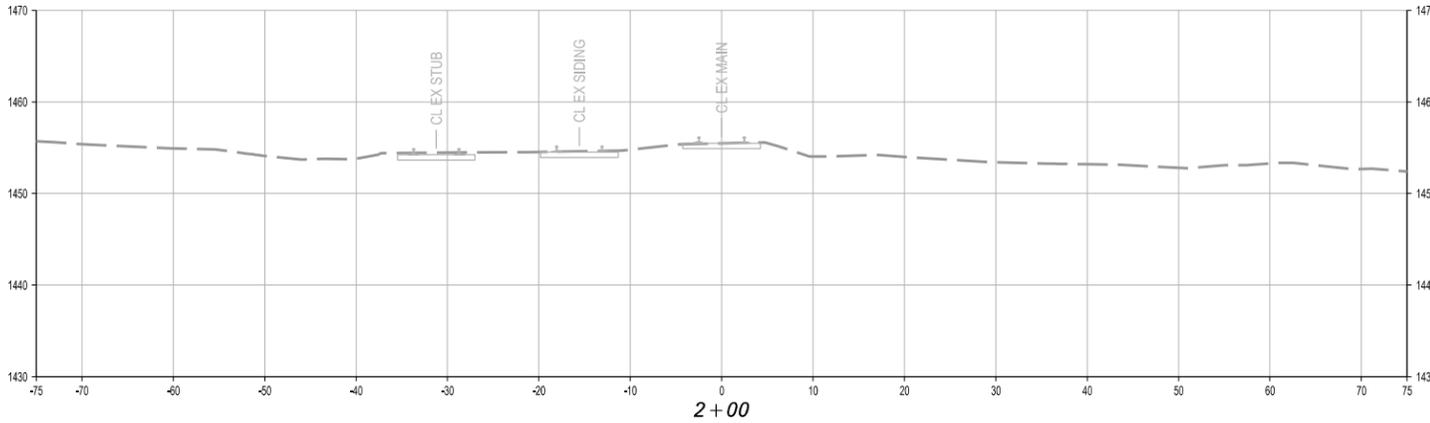
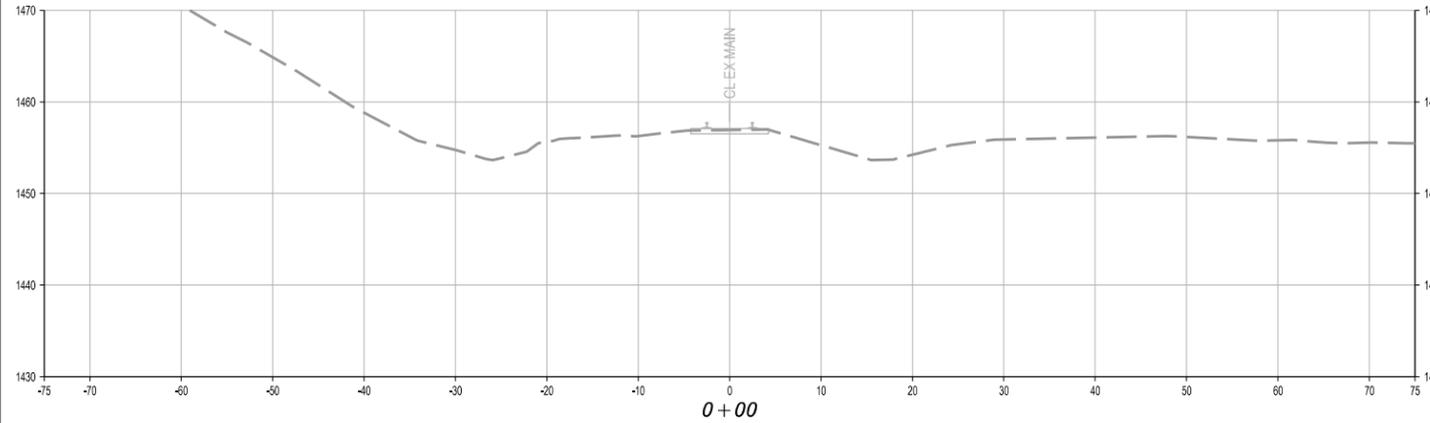
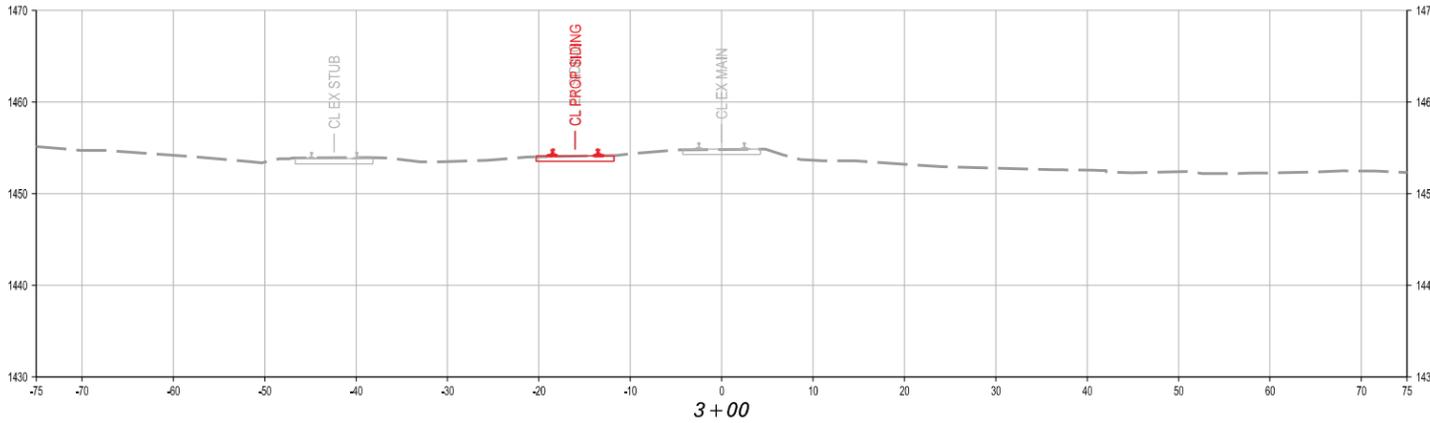
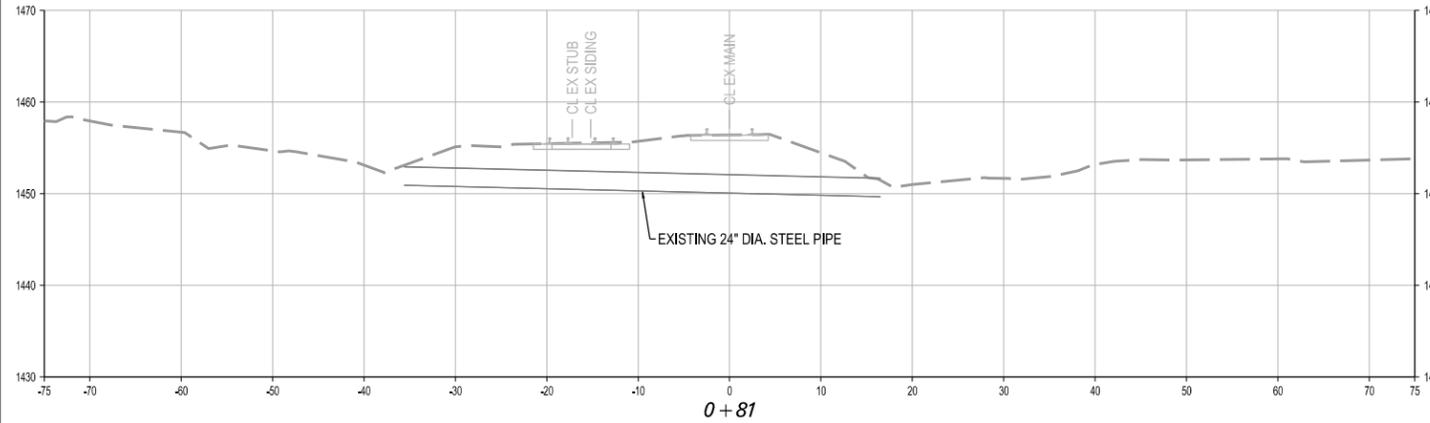
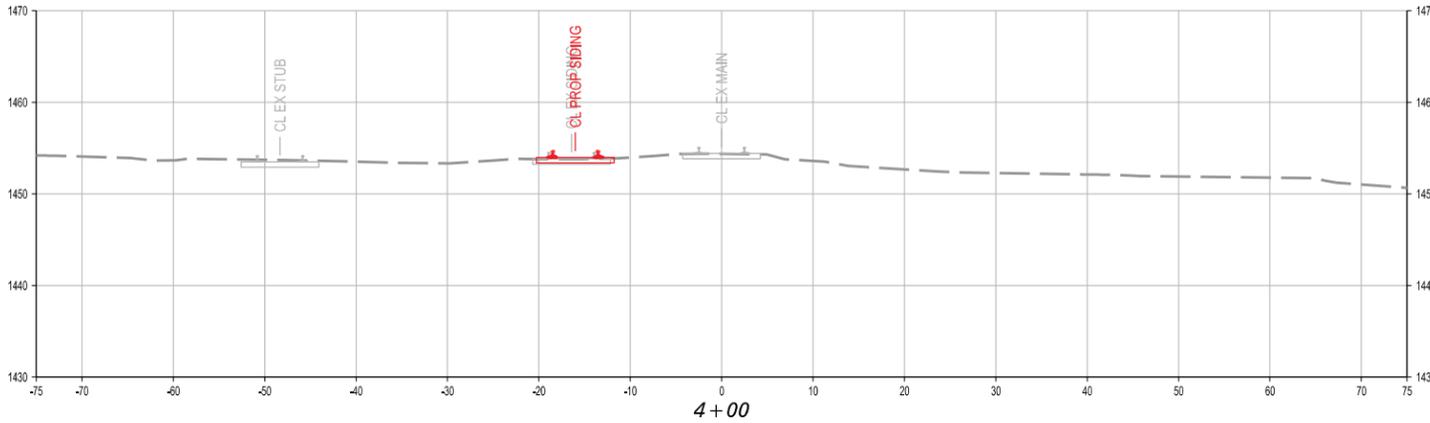
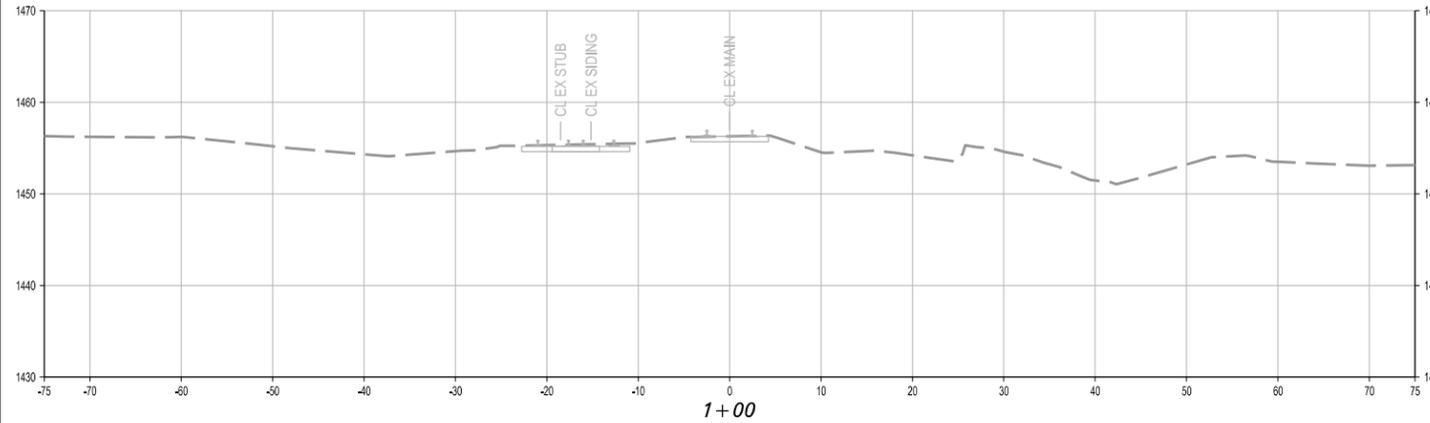
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 WETLAND IMPACTS

CONTRACT NO.	
DRAWING NO.	W-104
REVISION	SHEET 6 OF 16
SCALE AS SHOWN	



START SECTION STA 0+00 TO END SECTION STA 4+00

PROJECT NUMBER	60008643
COST ELEMENT	
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GENERAL ENTRY	
WORK ELEMENT	

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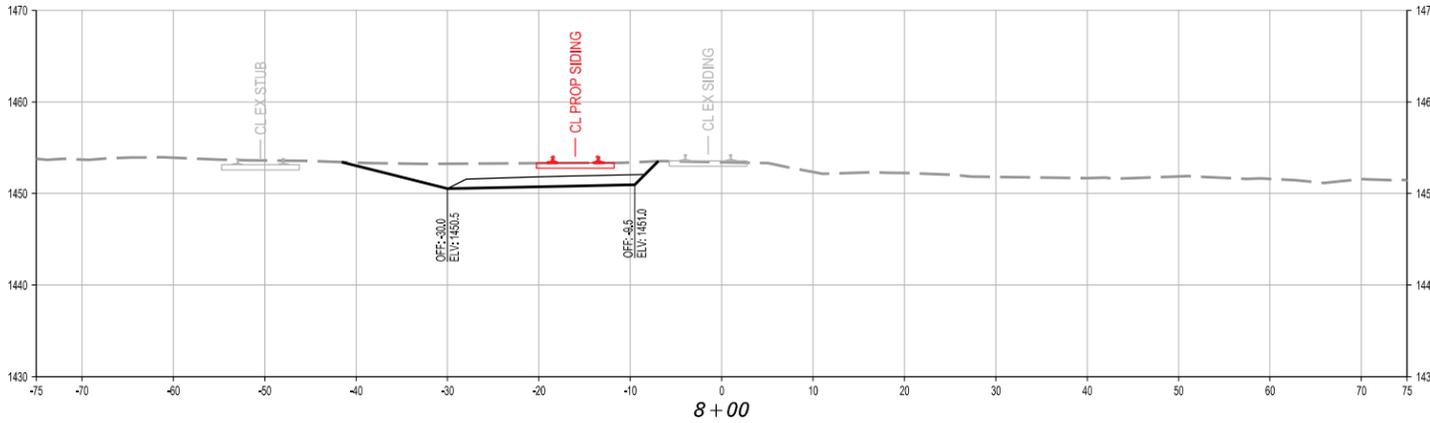
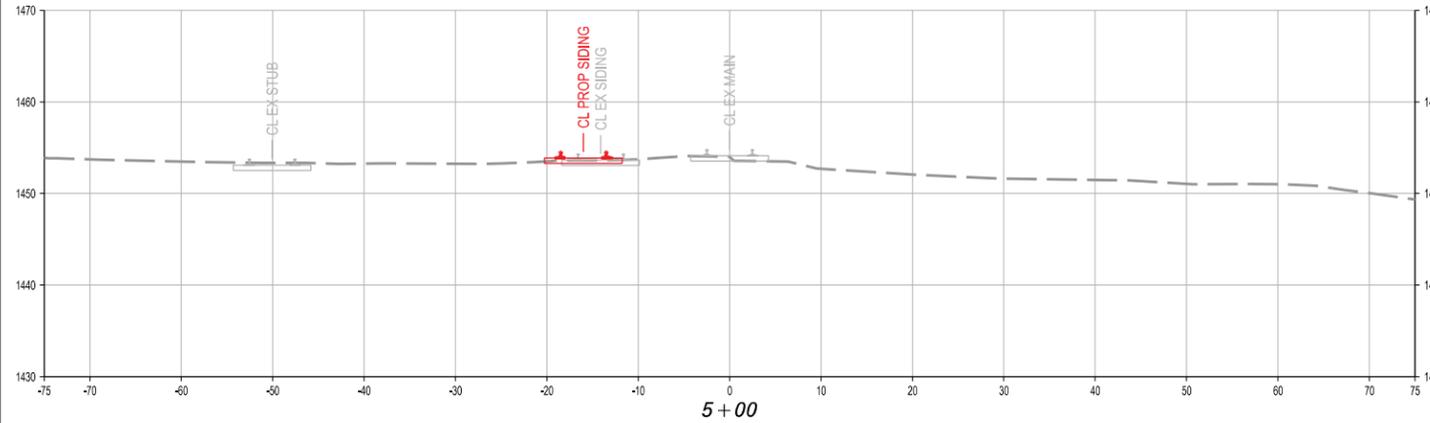
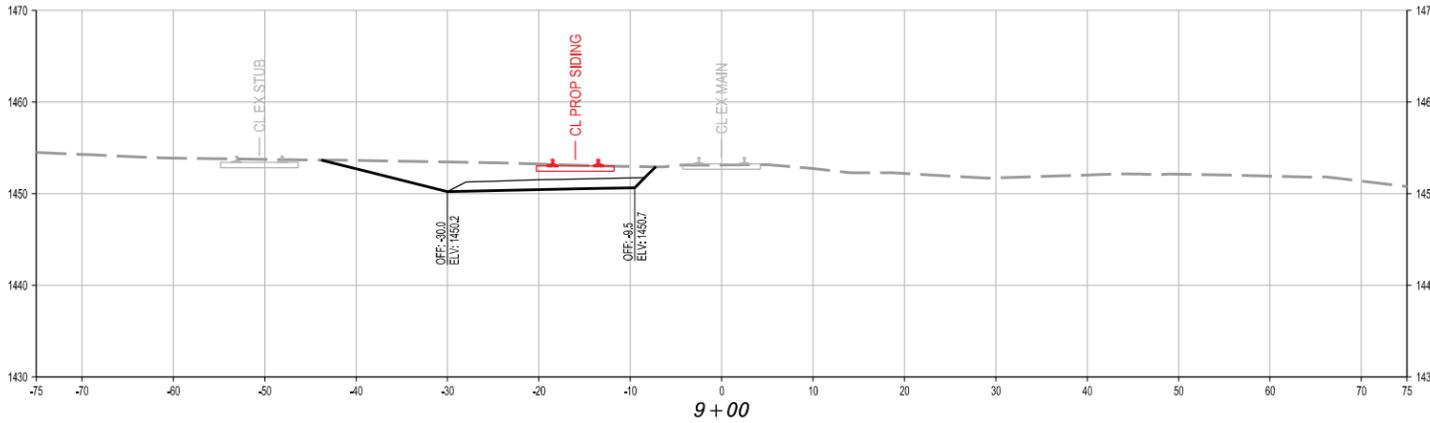
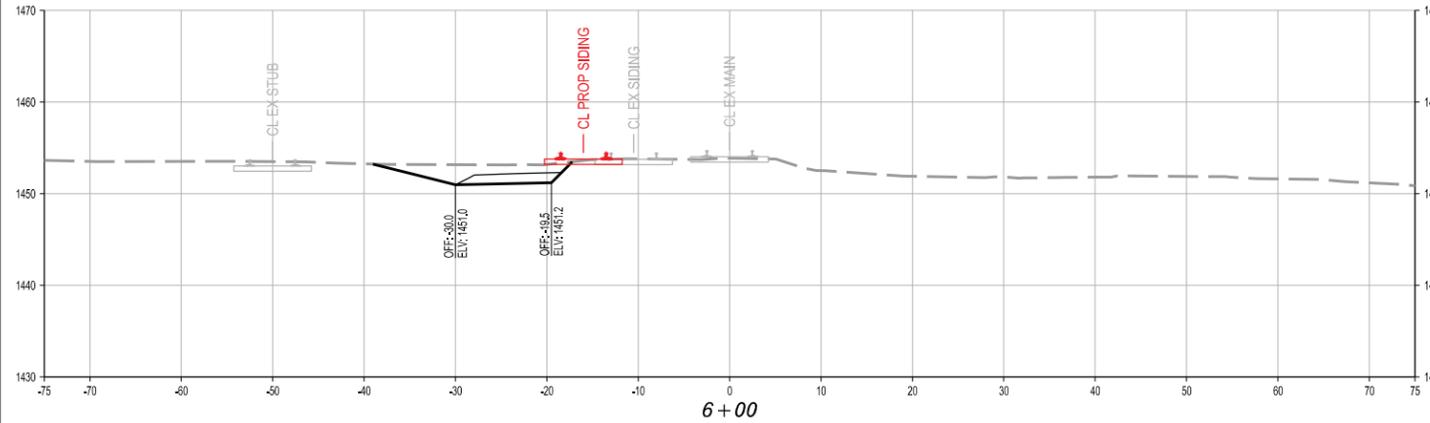
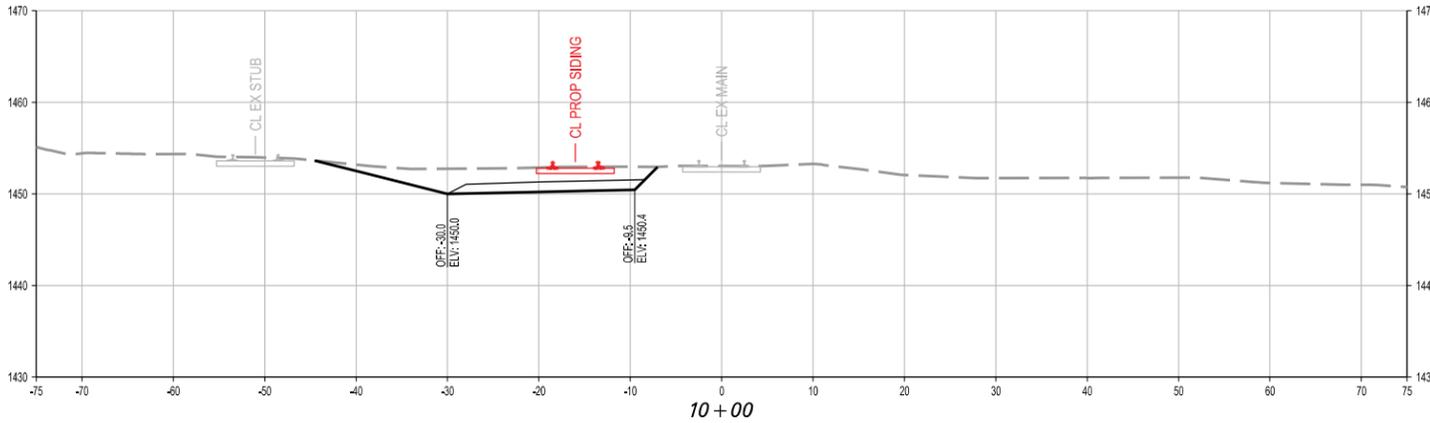
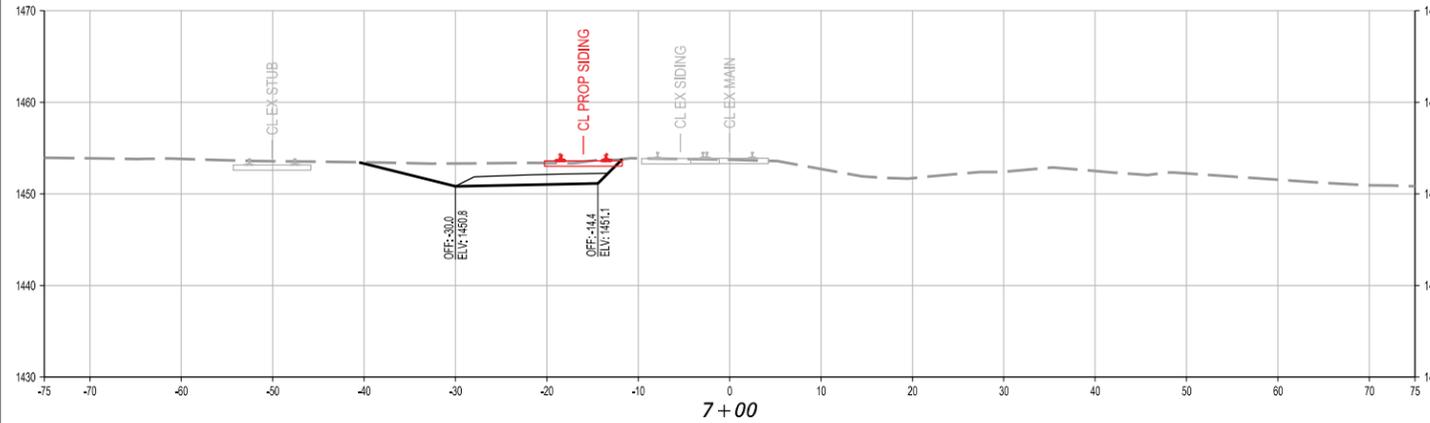
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APPROVED BY	
DATE	JUNE 24, 2014



BNSF RAILWAY COMPANY
MARSHALL SUBDIVISION
HILLS
CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-101
REVISION	SHEET
	7 OF 16
SCALE	AS SHOWN



START SECTION STA 5+00 TO END SECTION STA 10+00

PROJECT NUMBER	60008643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
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REV	DATE	DESCRIPTION	BY	SUB	APP

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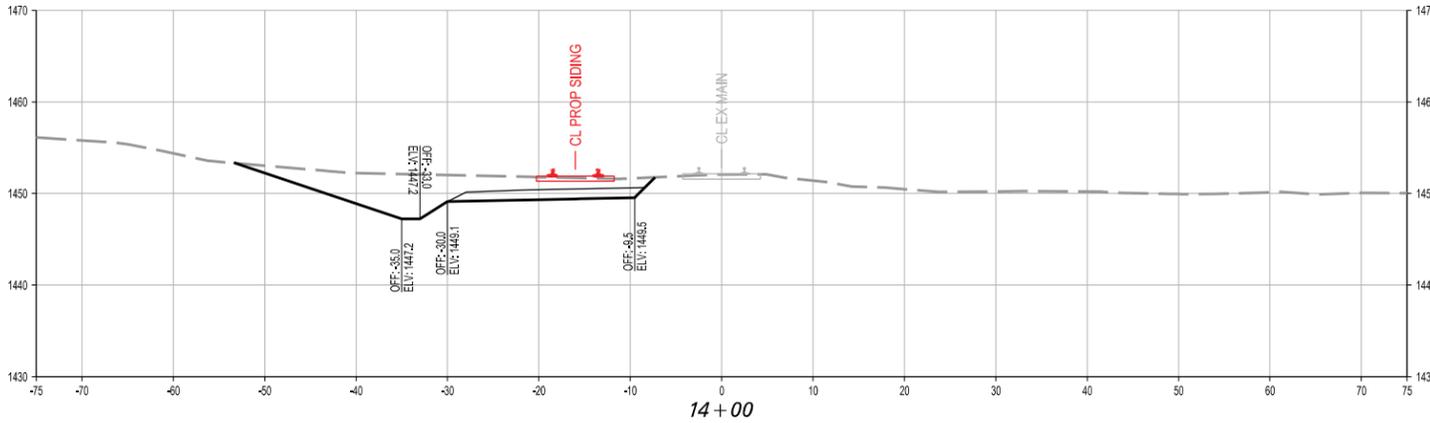
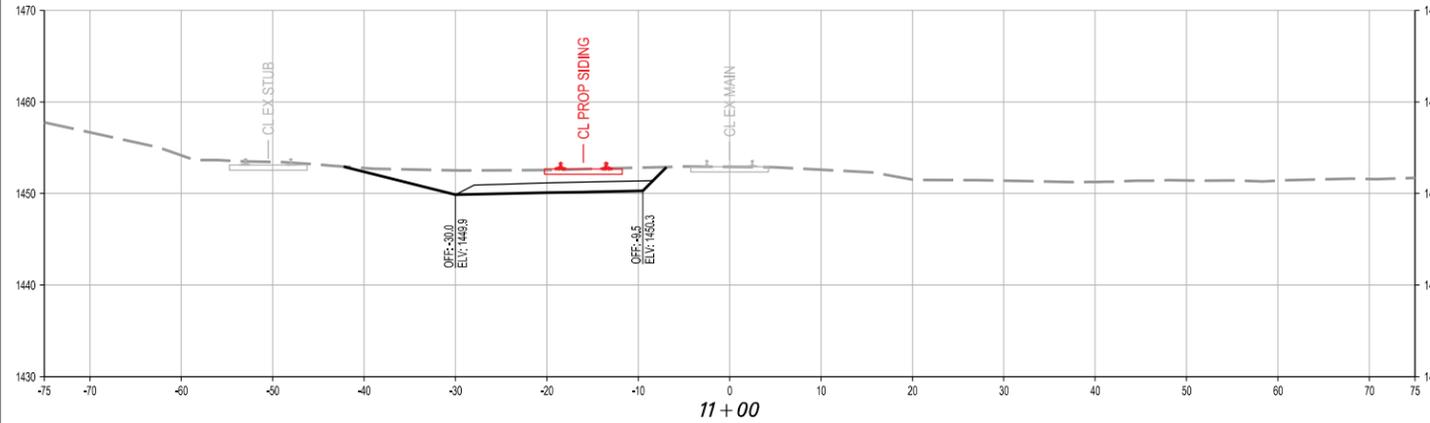
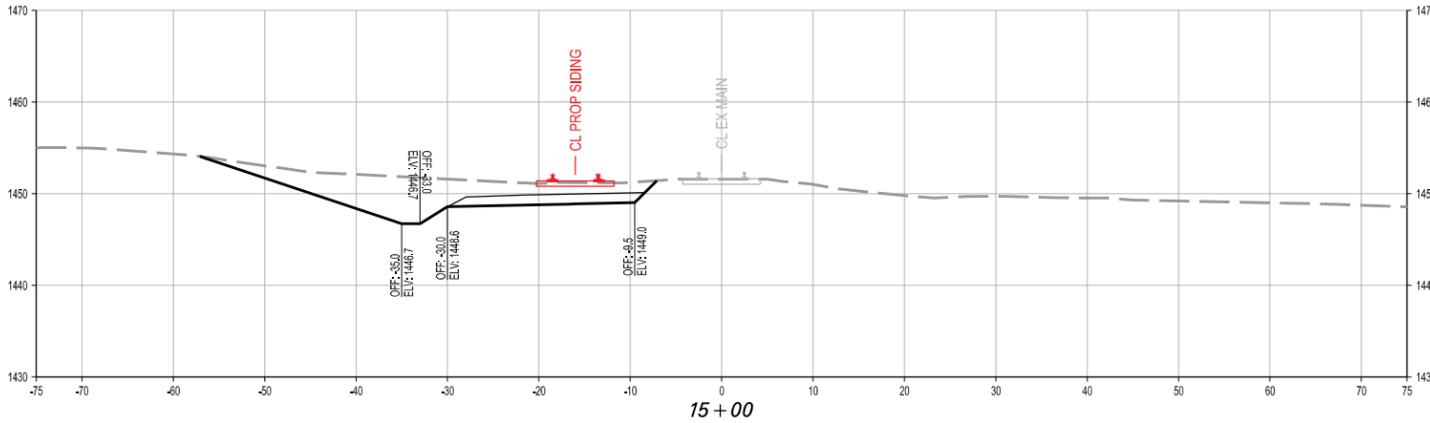
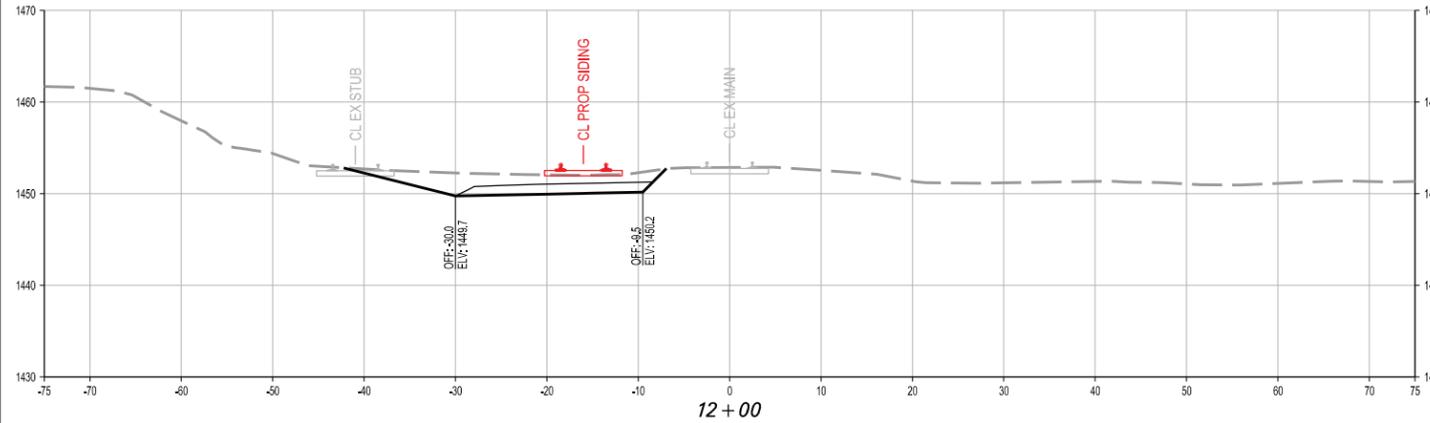
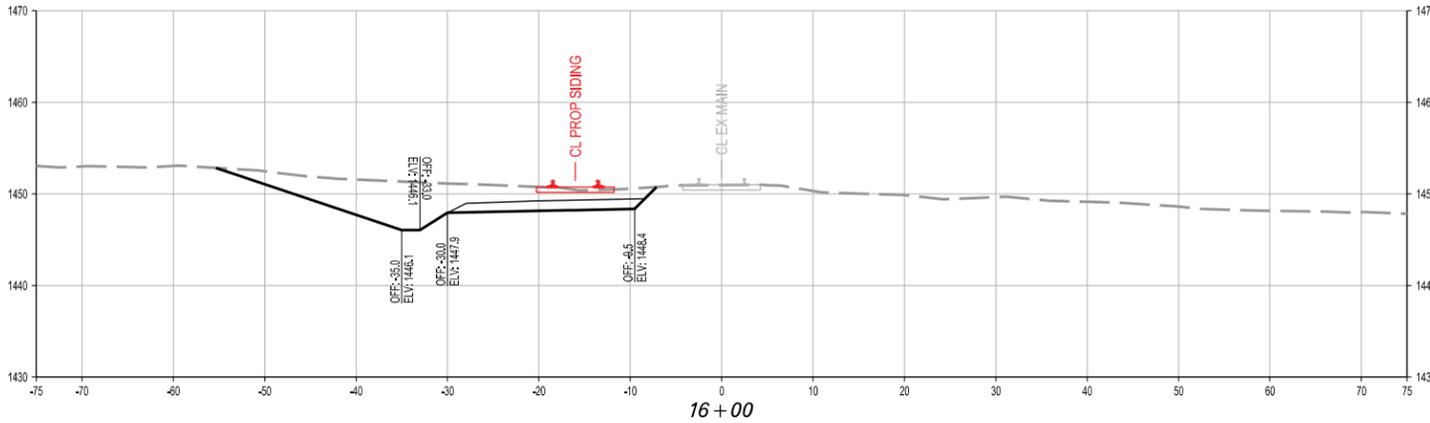
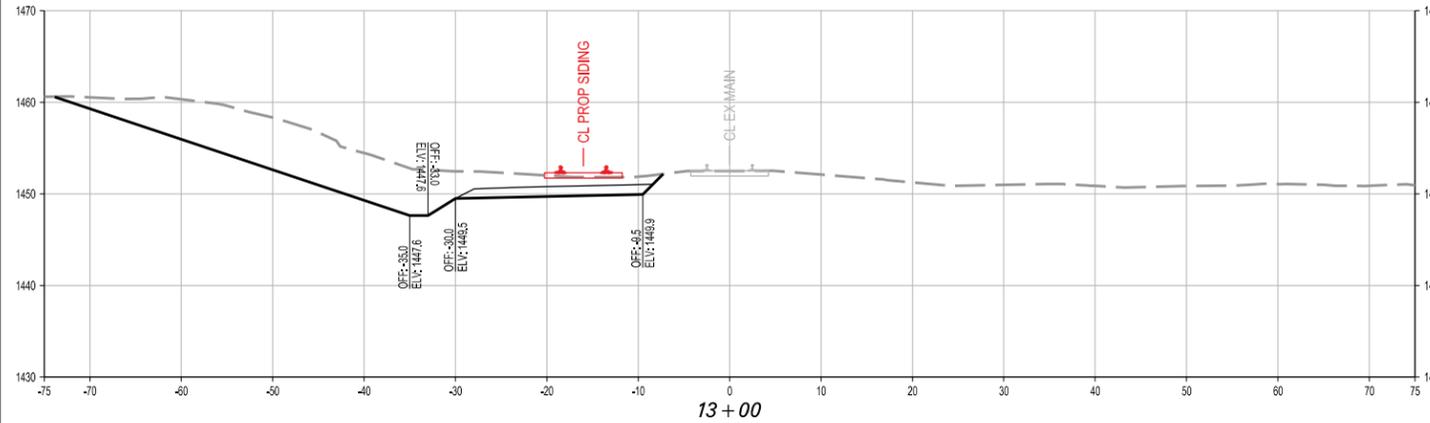


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CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-102
REVISION	SHEET
	8 OF 16
SCALE	AS SHOWN



START SECTION STA 11+00 TO END SECTION STA 16+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
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REV	DATE	DESCRIPTION	BY	APP
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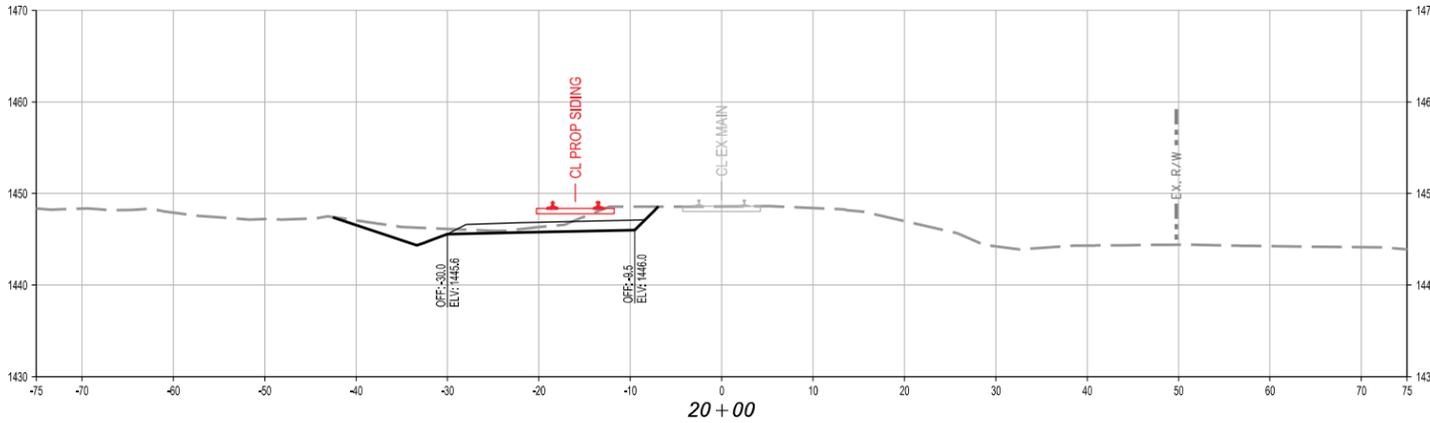
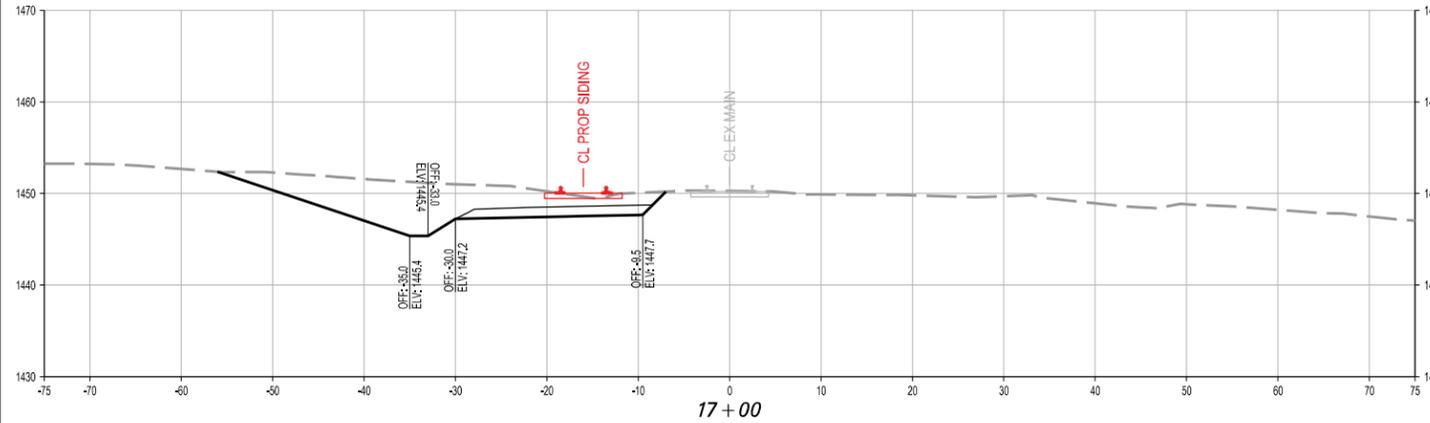
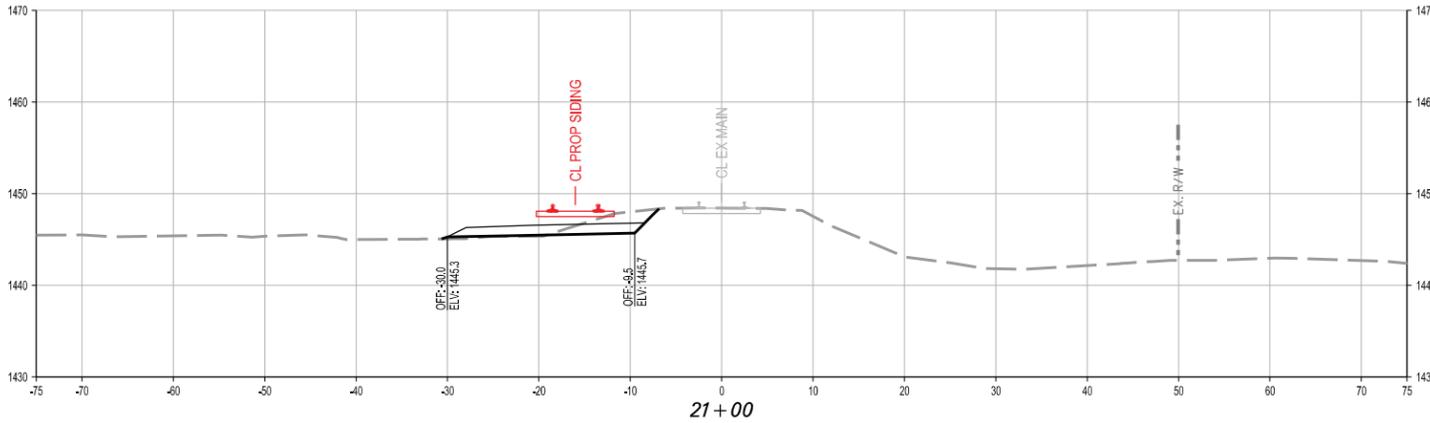
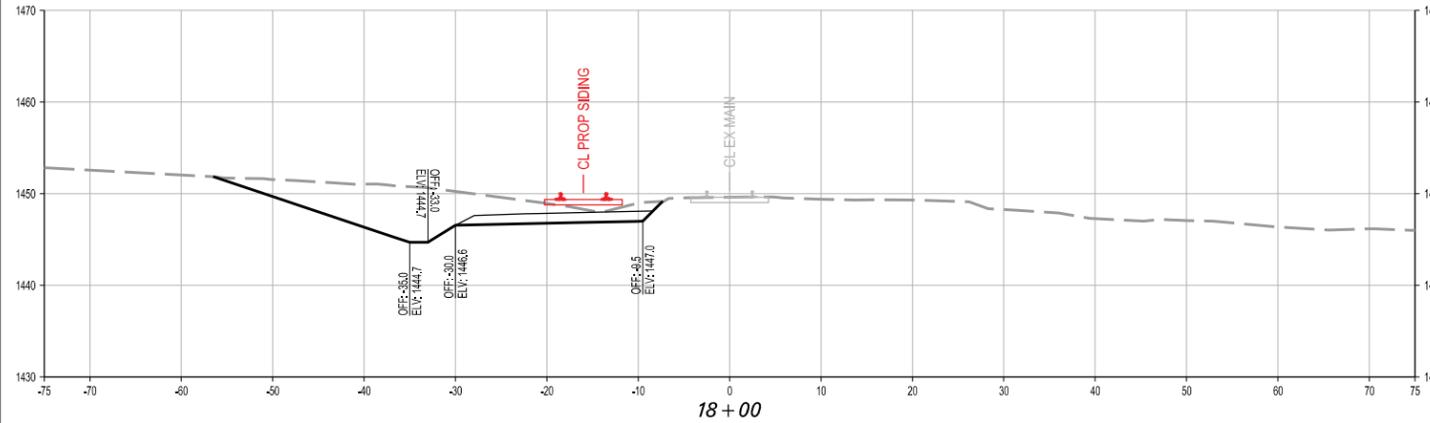
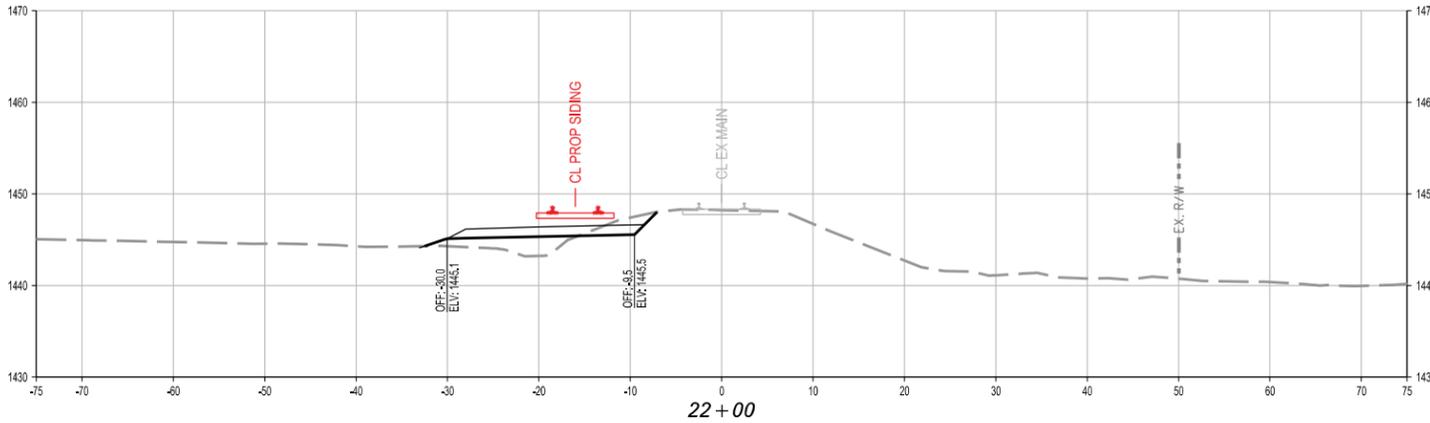
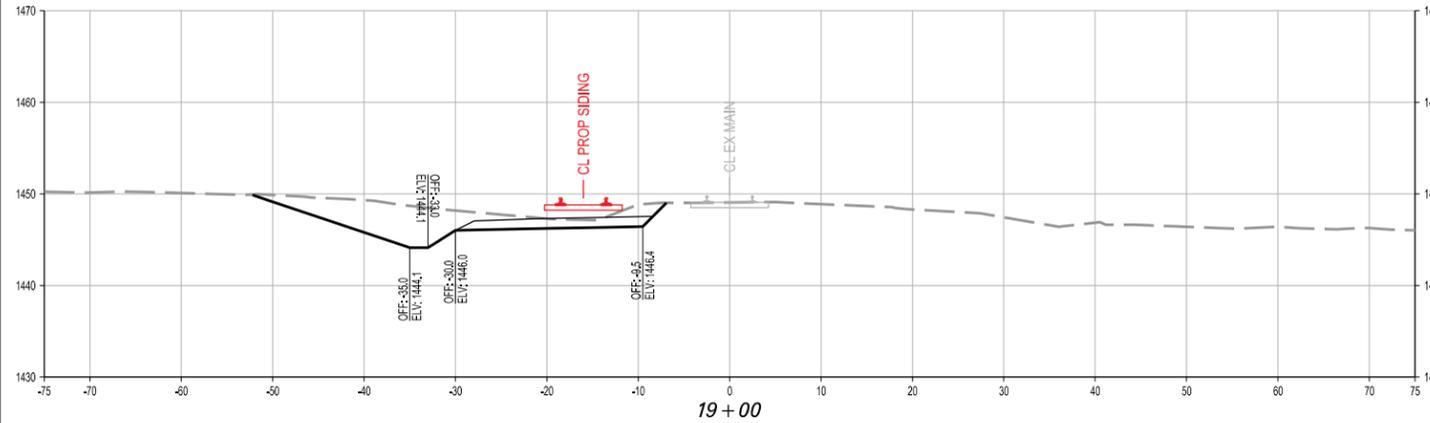
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MARSHALL SUBDIVISION
HILLS
CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-103
REVISION	SHEET 9 OF 16
SCALE	AS SHOWN



START SECTION STA 17+00 TO END SECTION STA 22+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
FILES	
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REV	DATE	DESCRIPTION	BY	APP
			SUB	APP

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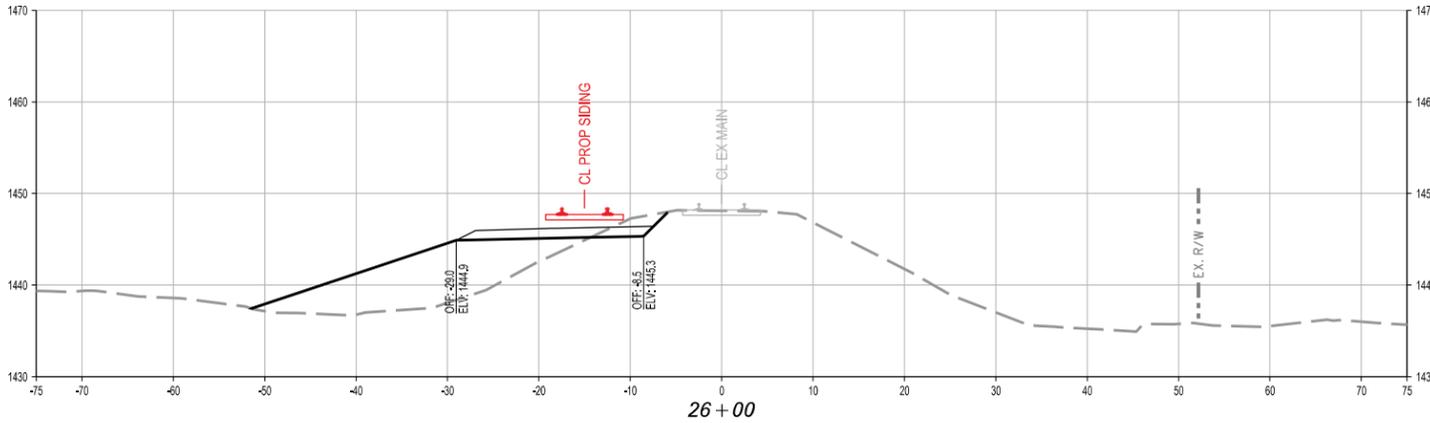
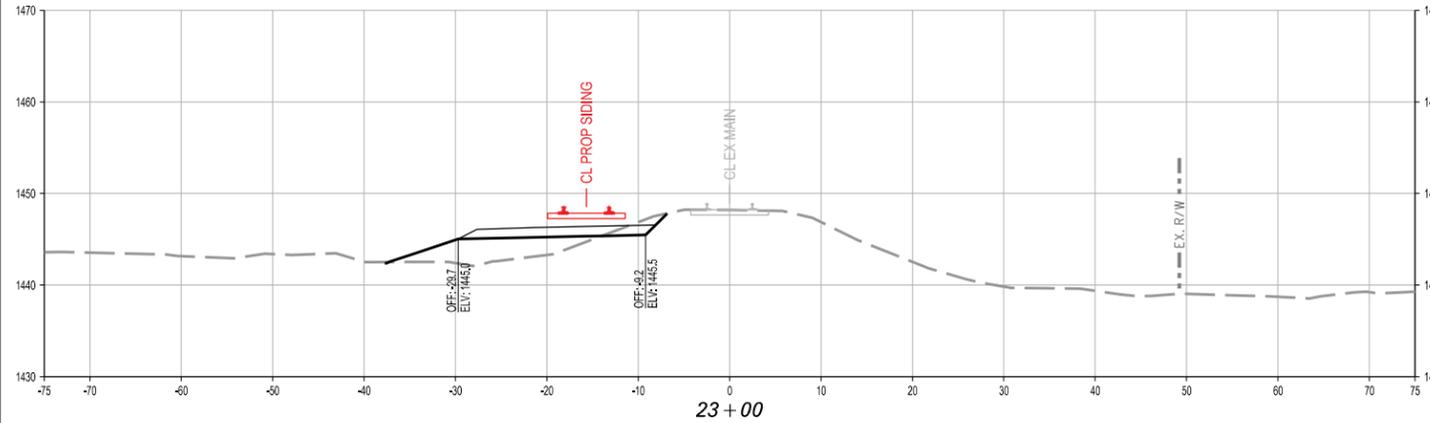
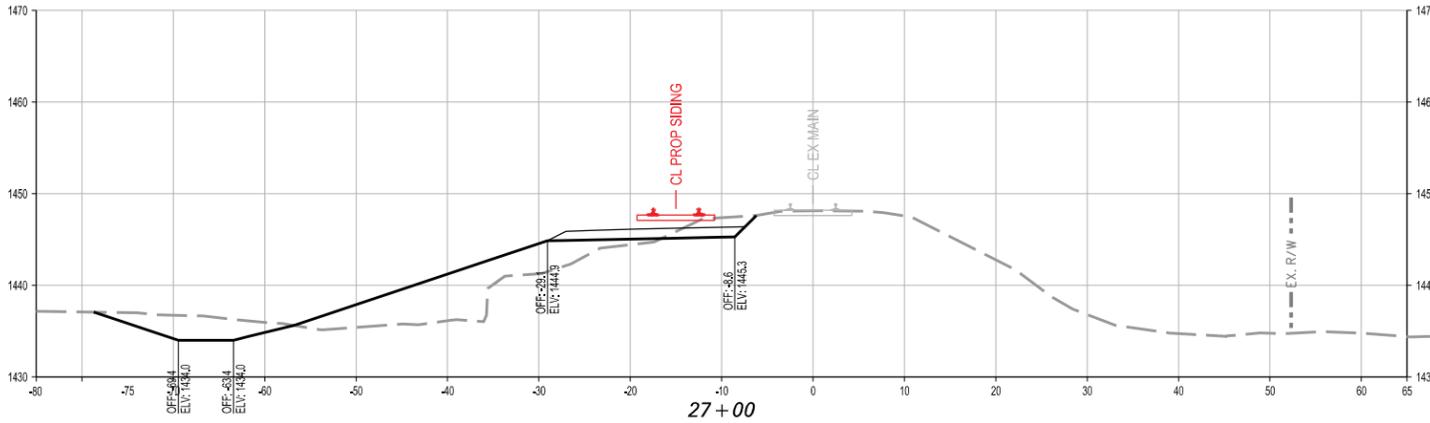
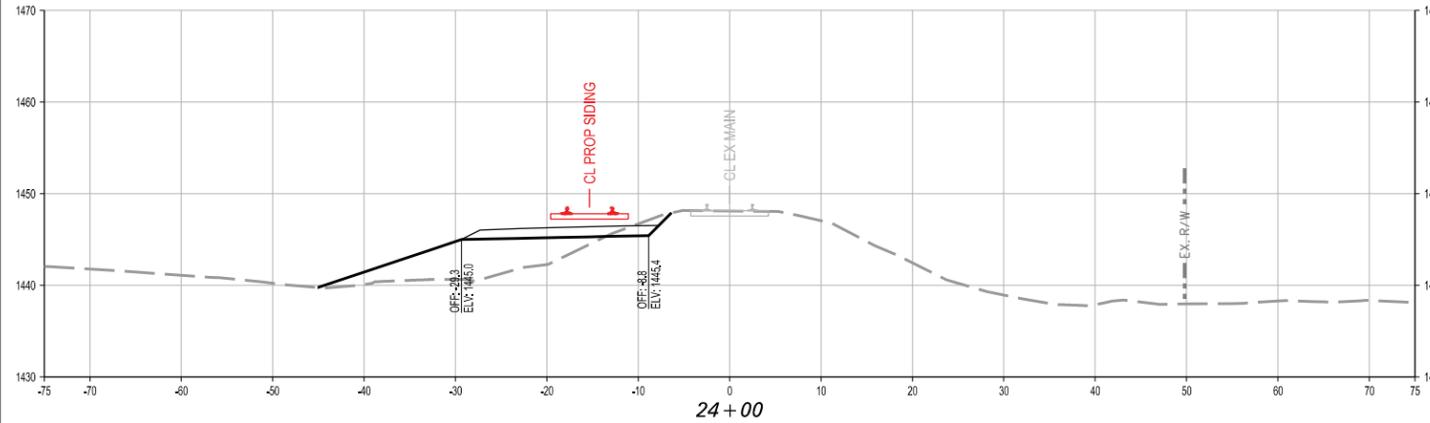
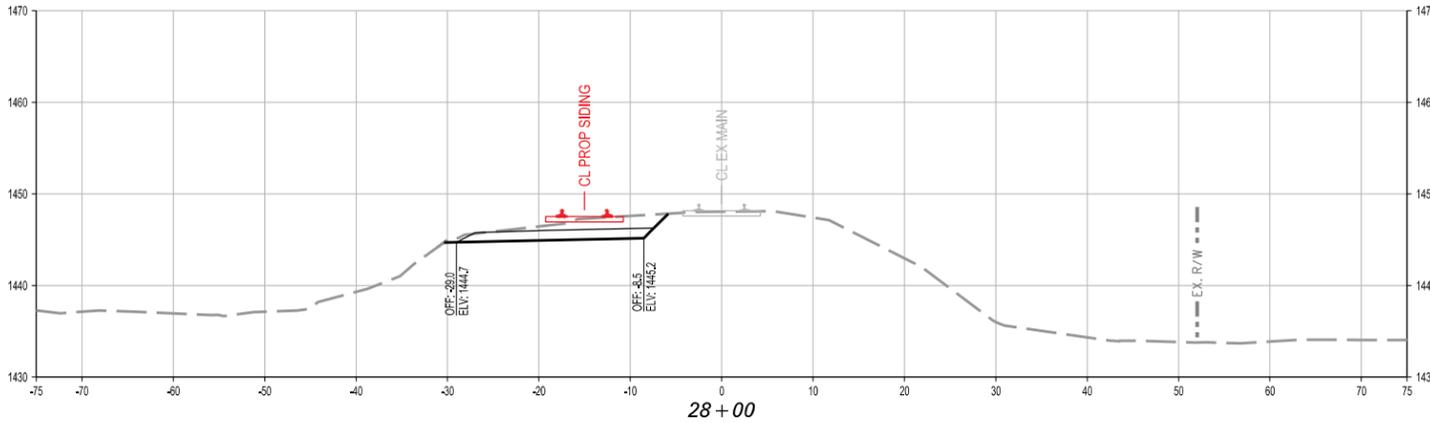
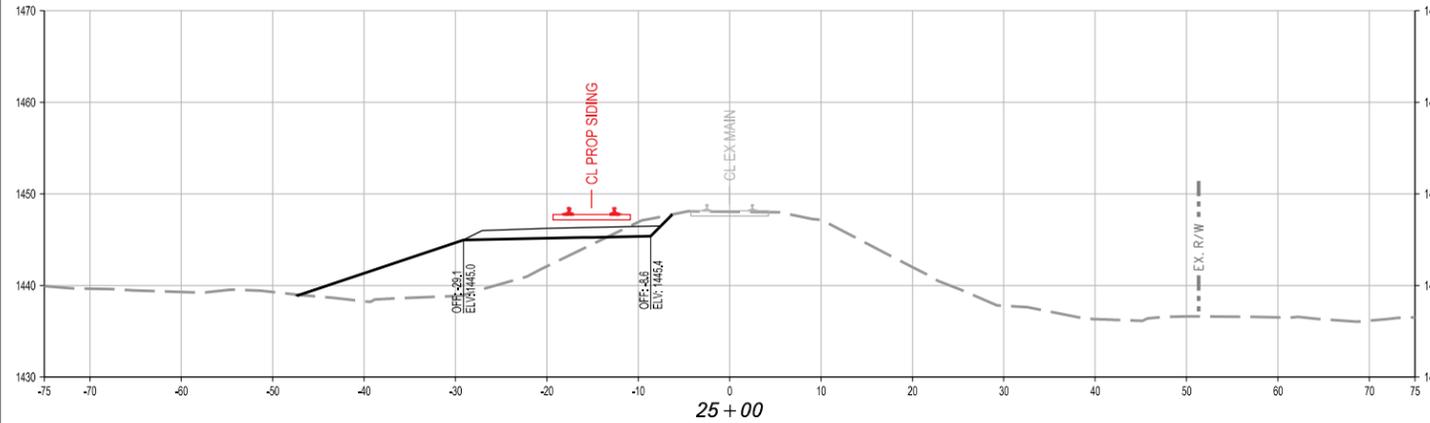
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CONTRACT NO.	
DRAWING NO.	XS-104
REVISION	SHEET 10 OF 16
SCALE	AS SHOWN



START SECTION STA 23+00 TO END SECTION STA 28+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
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WORK ELEMENT	
FILES	
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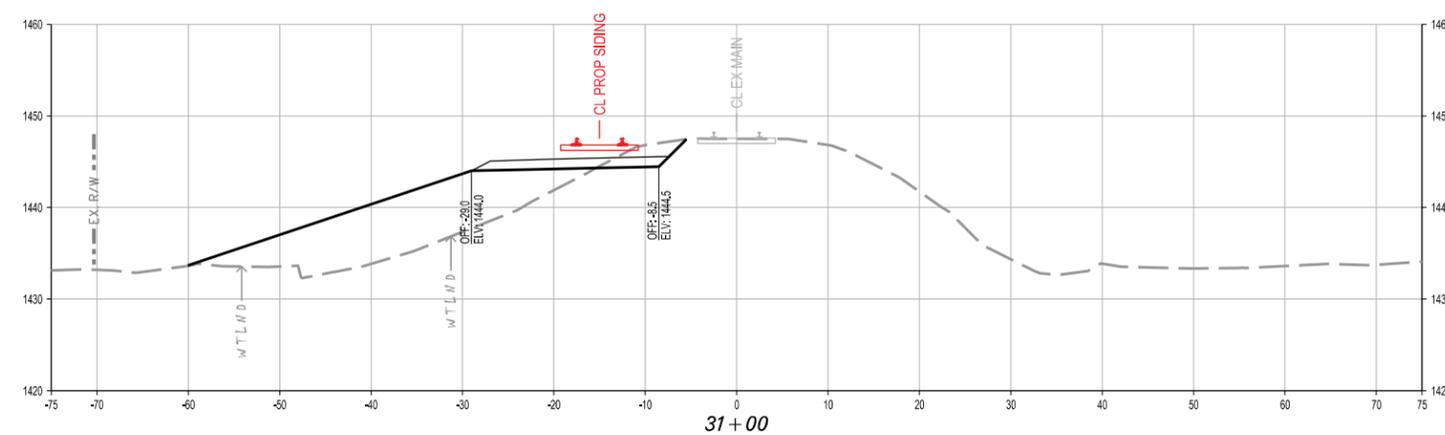
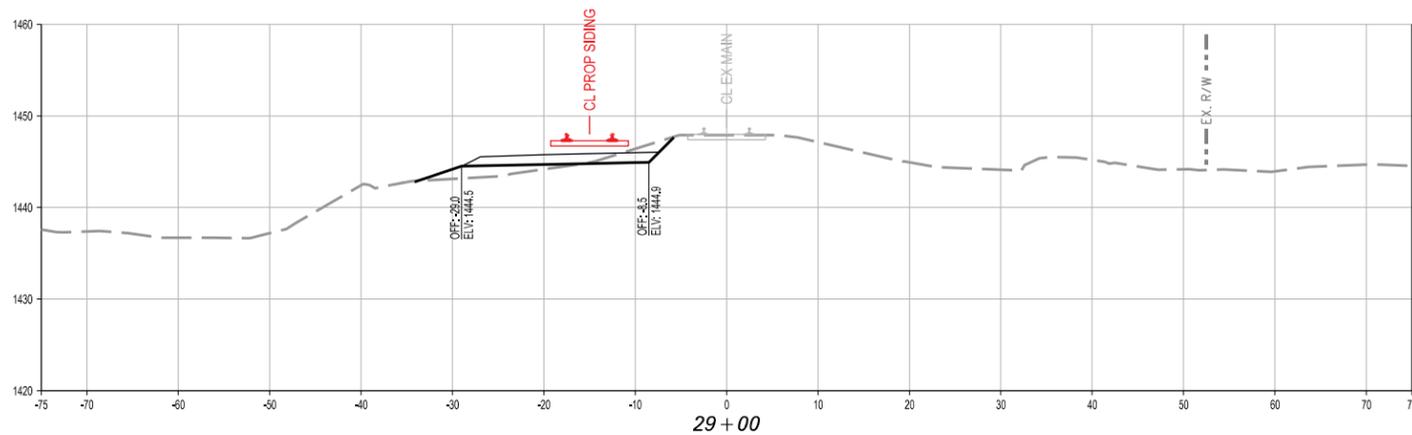
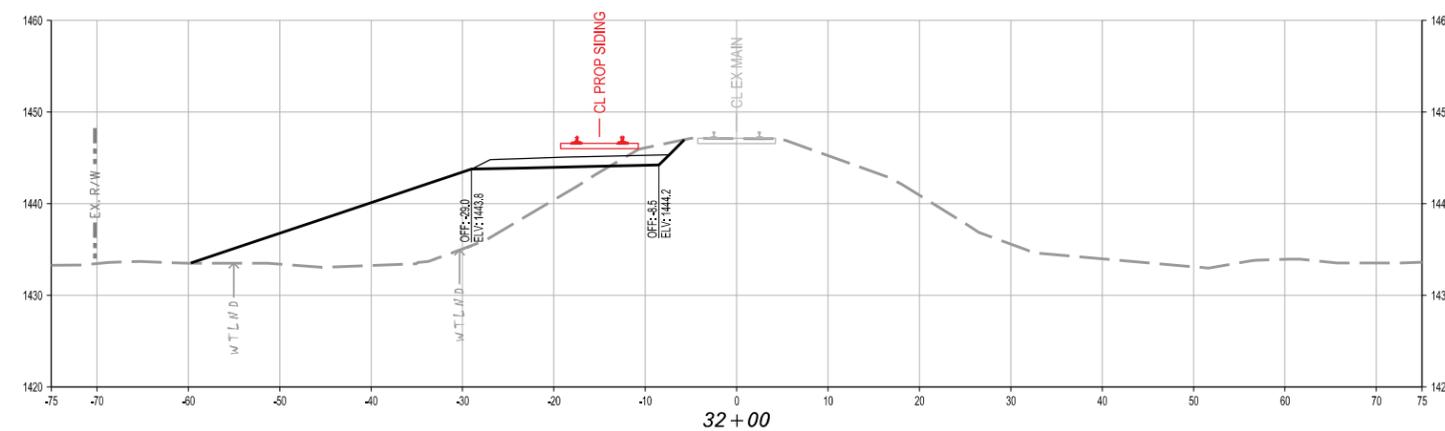
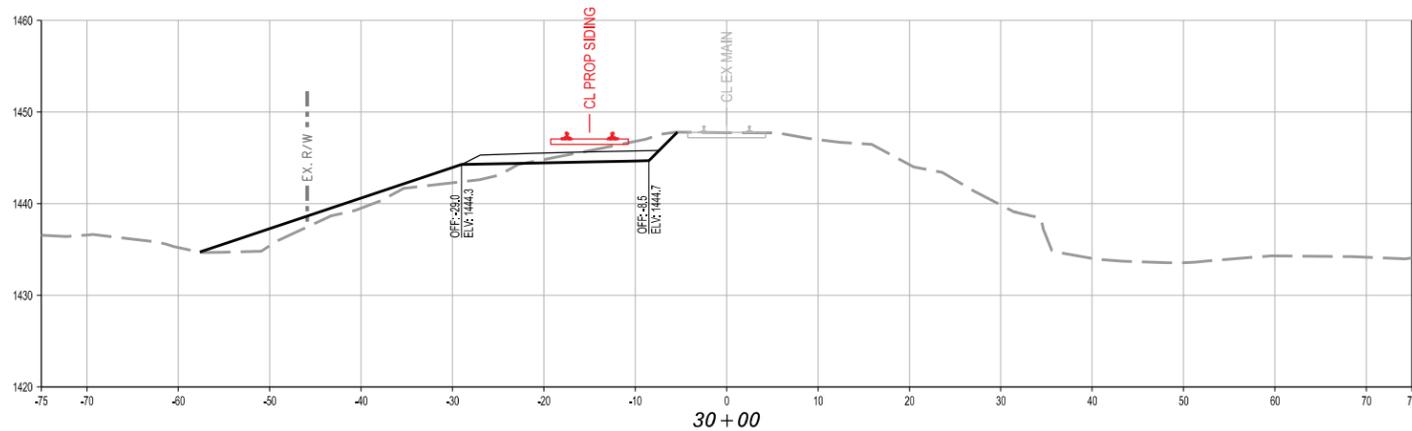
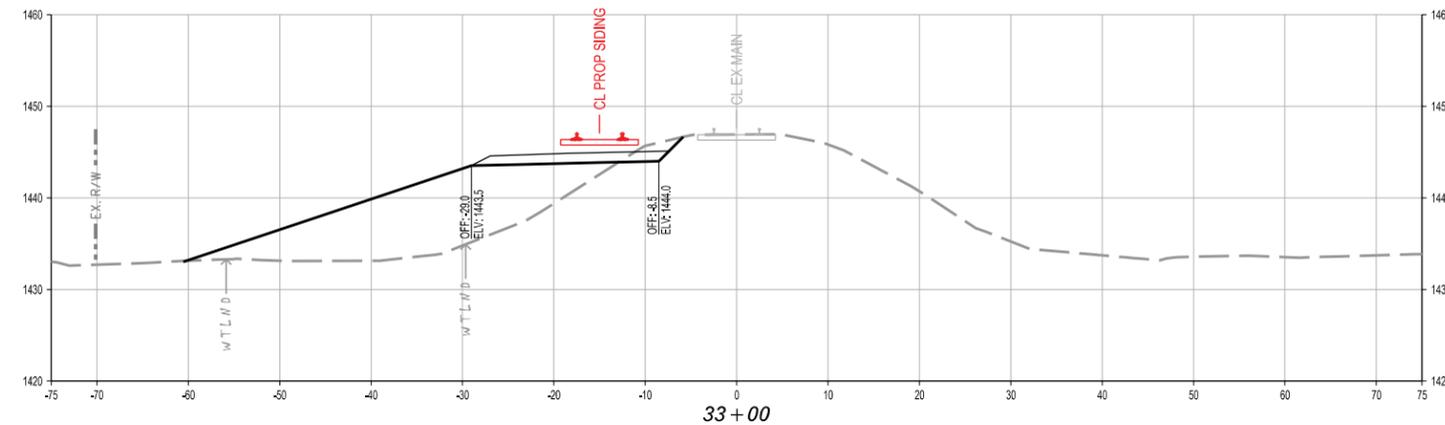
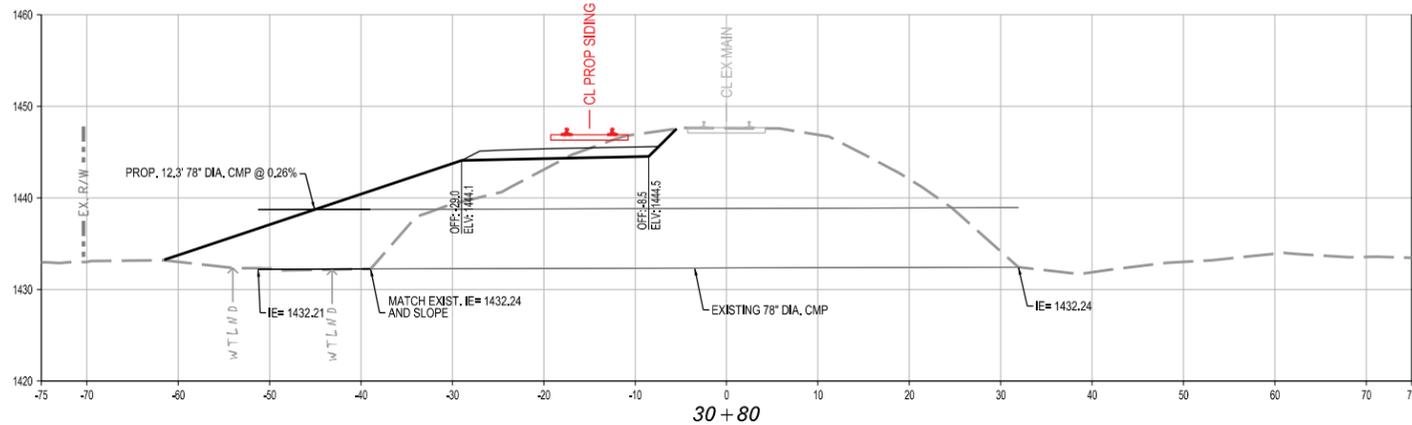
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CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-105
REVISION	SHEET 11 OF 16
SCALE	AS SHOWN



START SECTION STA 29+00 TO END SECTION STA 33+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
FILES	
SPLITDVS	
SPENLBS	
\$TIME\$	
\$DATE\$	

DESIGNED BY	RPR
DRAWN BY	EPD
CHECKED BY	KJR
APPROVED BY	
DATE	JUNE 24, 2014

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BY	SUB	APP
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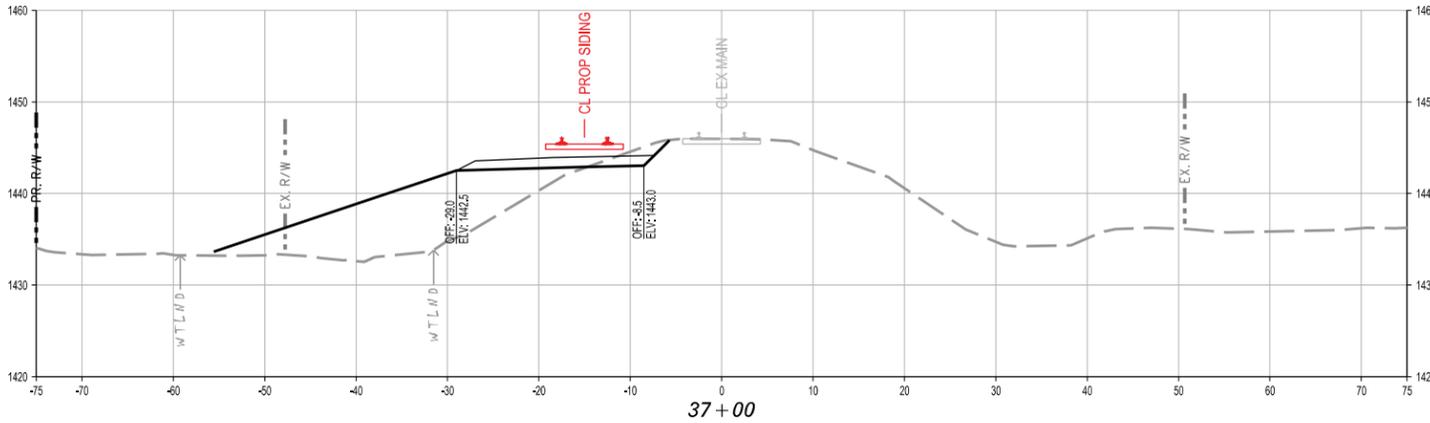
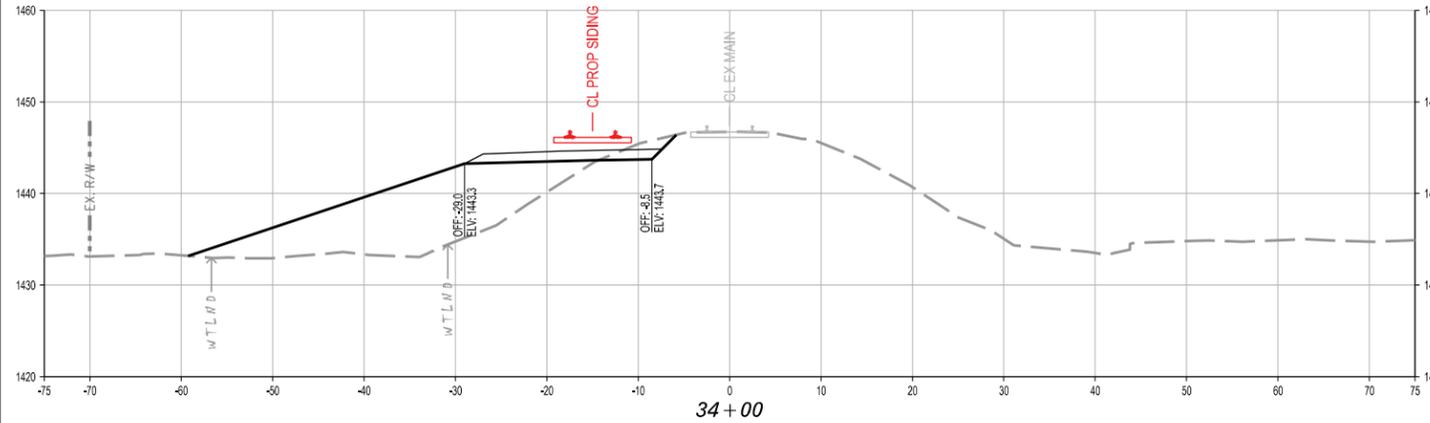
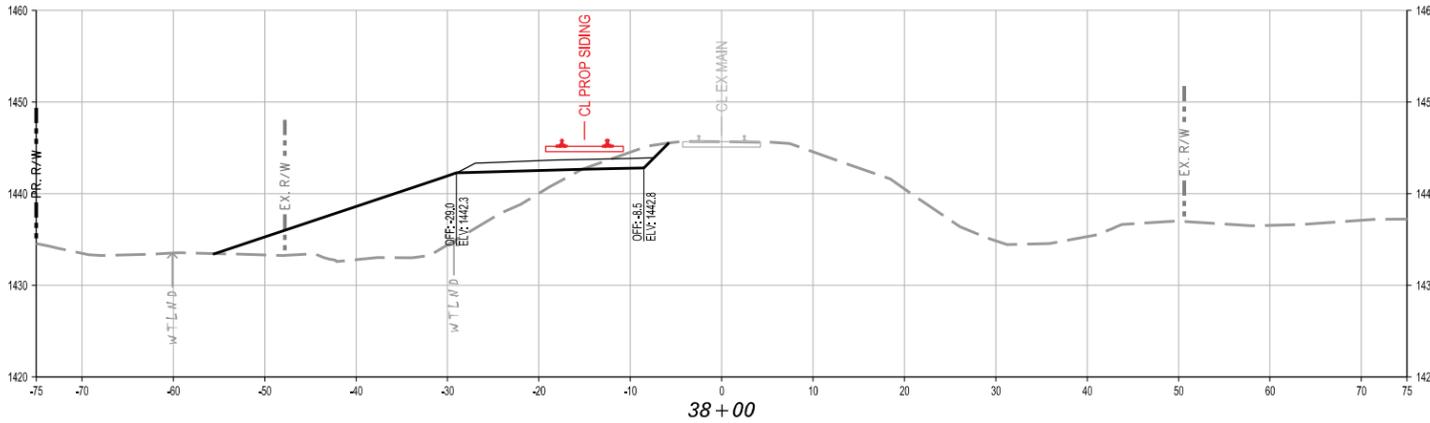
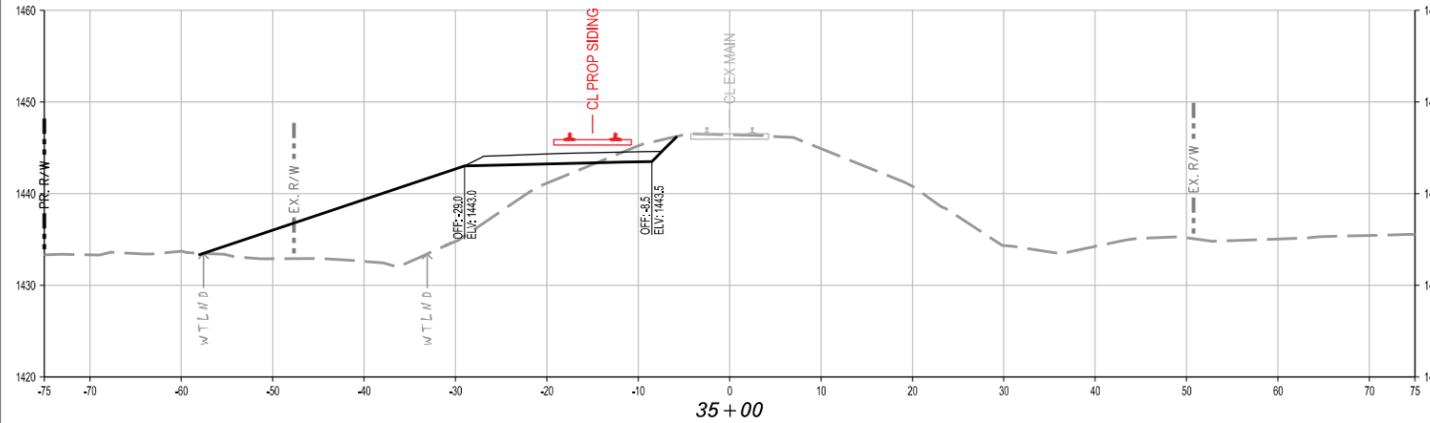
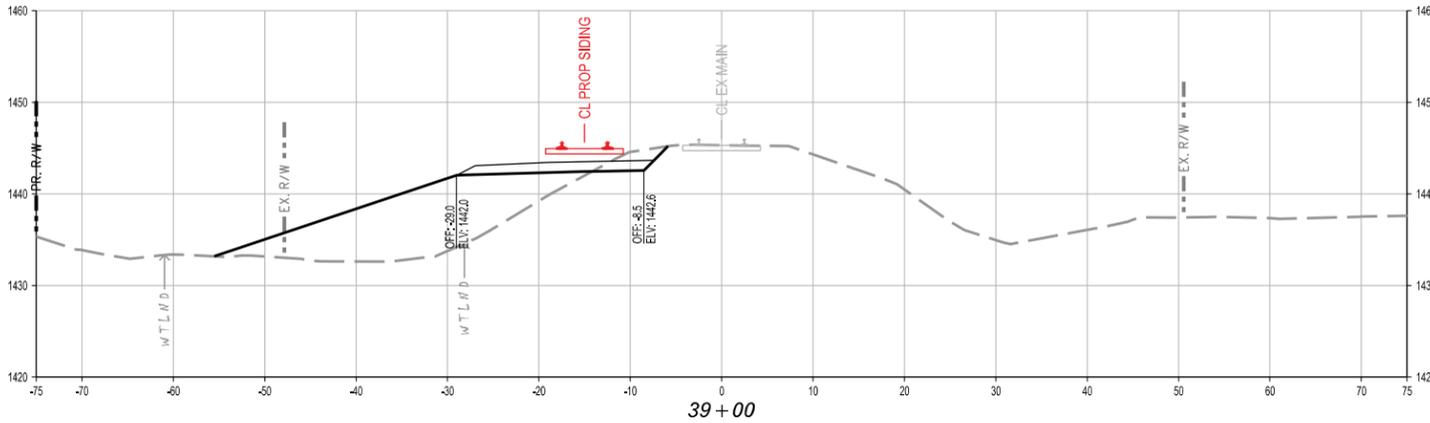
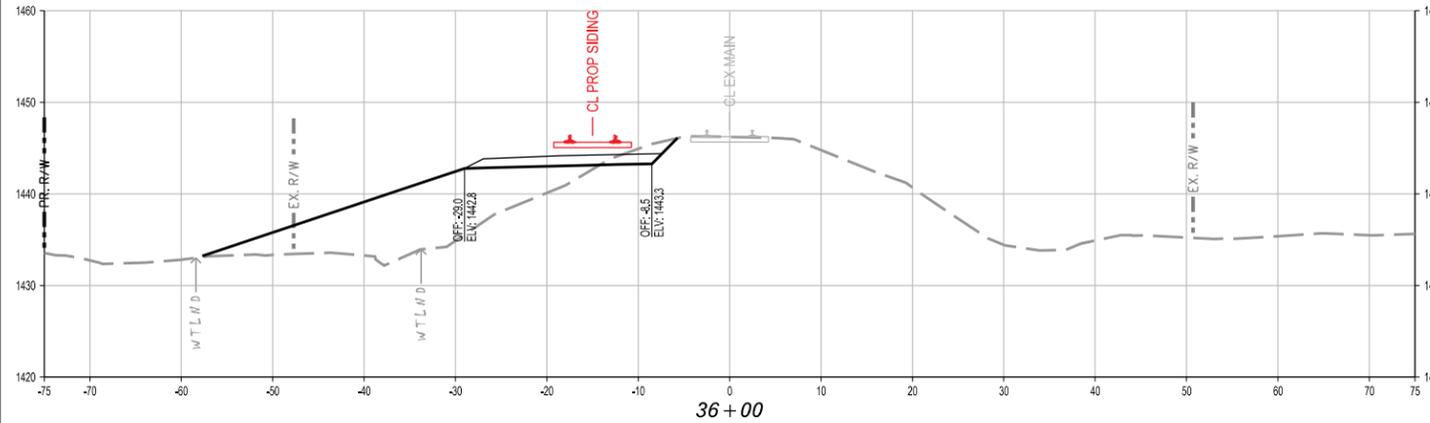
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CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-106
REVISION	SHEET
	12 OF 16
SCALE	AS SHOWN



START SECTION STA 34+00 TO END SECTION STA 39+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	

REV	DATE	DESCRIPTION	BY	SUB	APP

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DESIGNED BY	RPR
DRAWN BY	EPD
CHECKED BY	KJR
APPROVED BY	
DATE	JUNE 24, 2014

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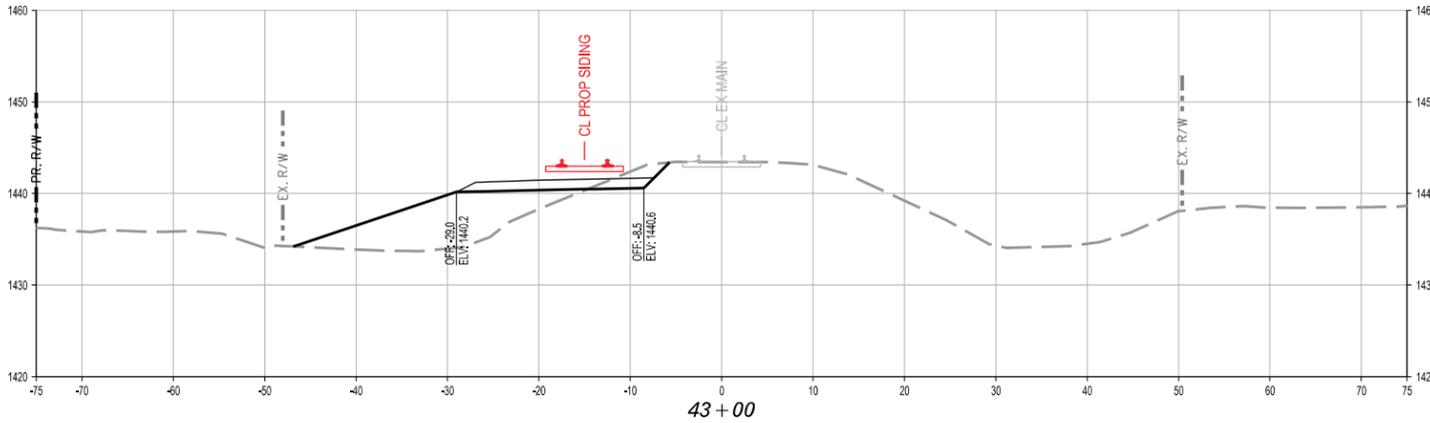
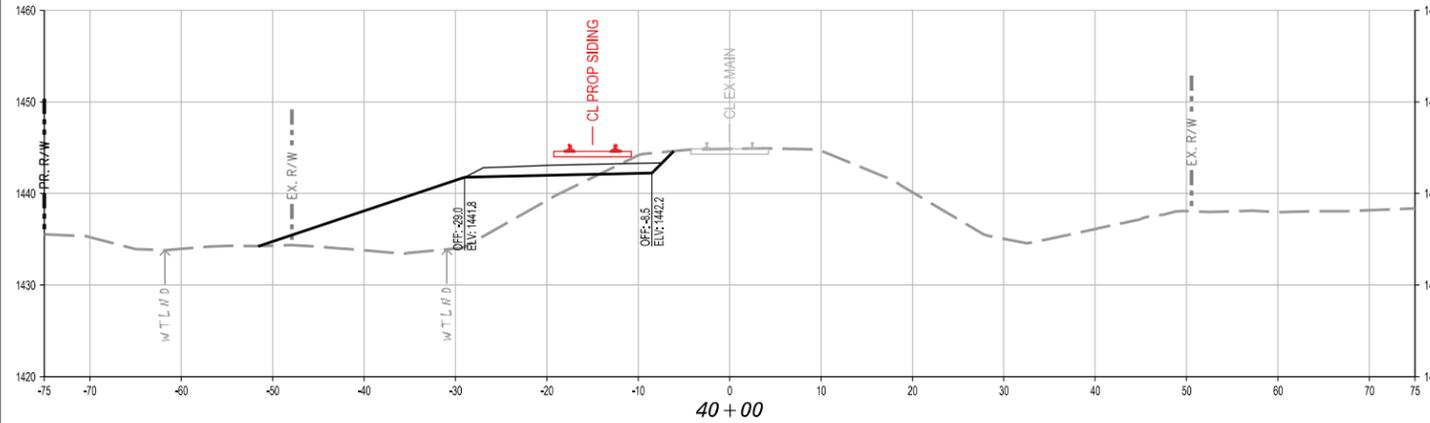
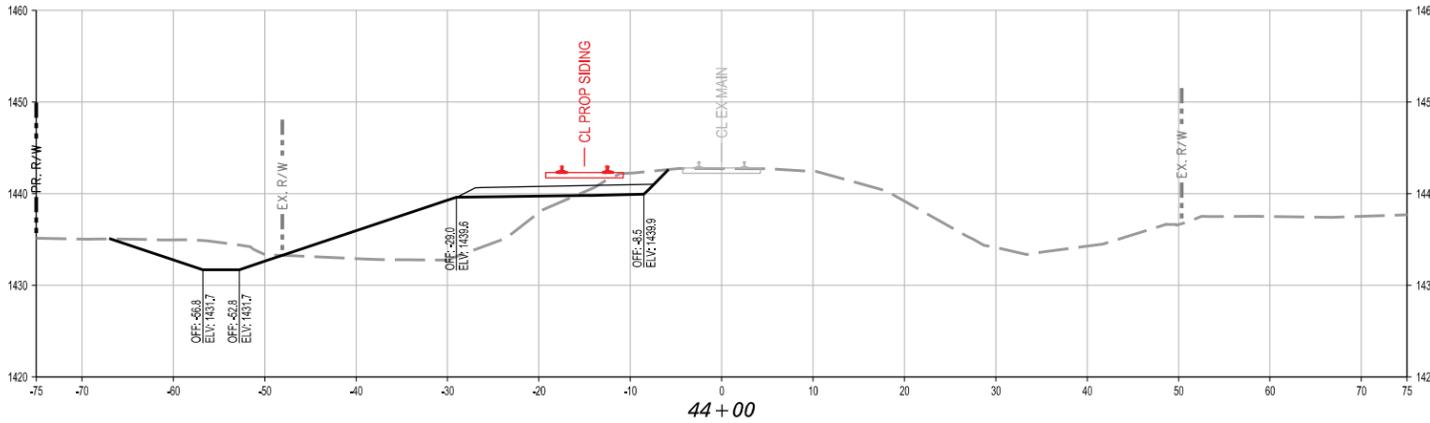
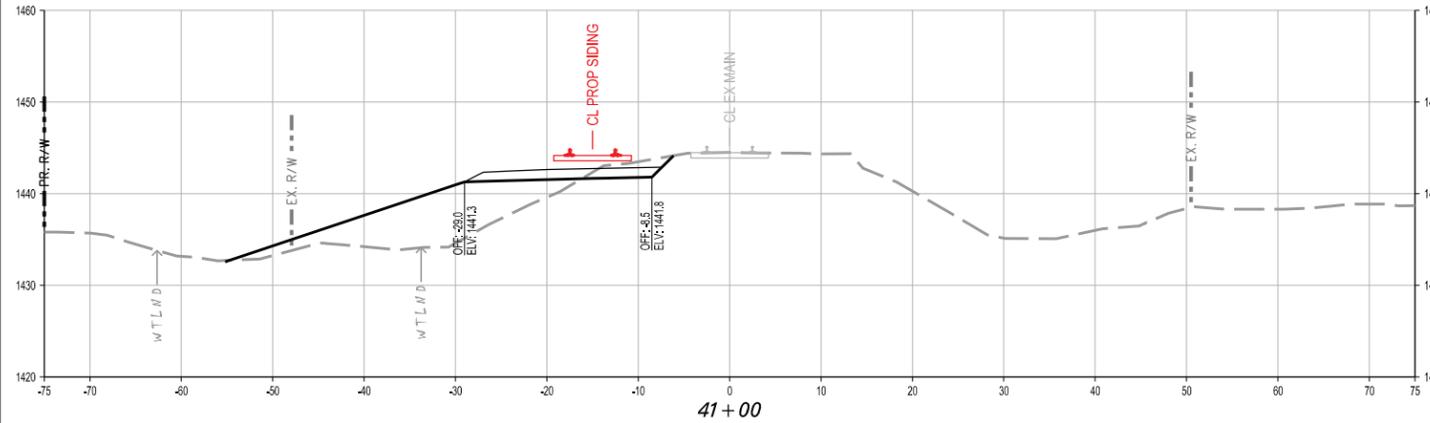
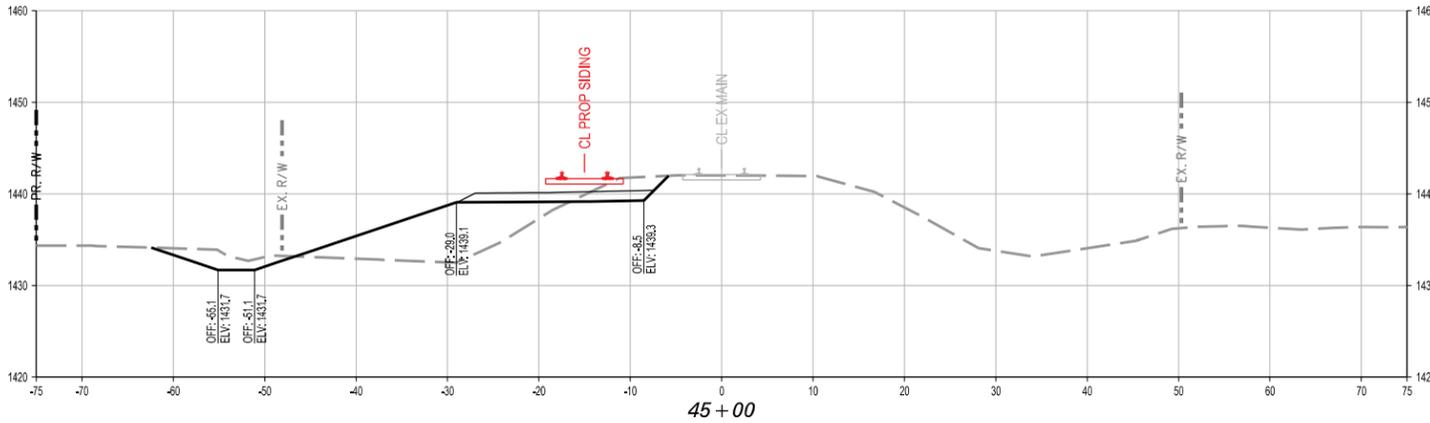
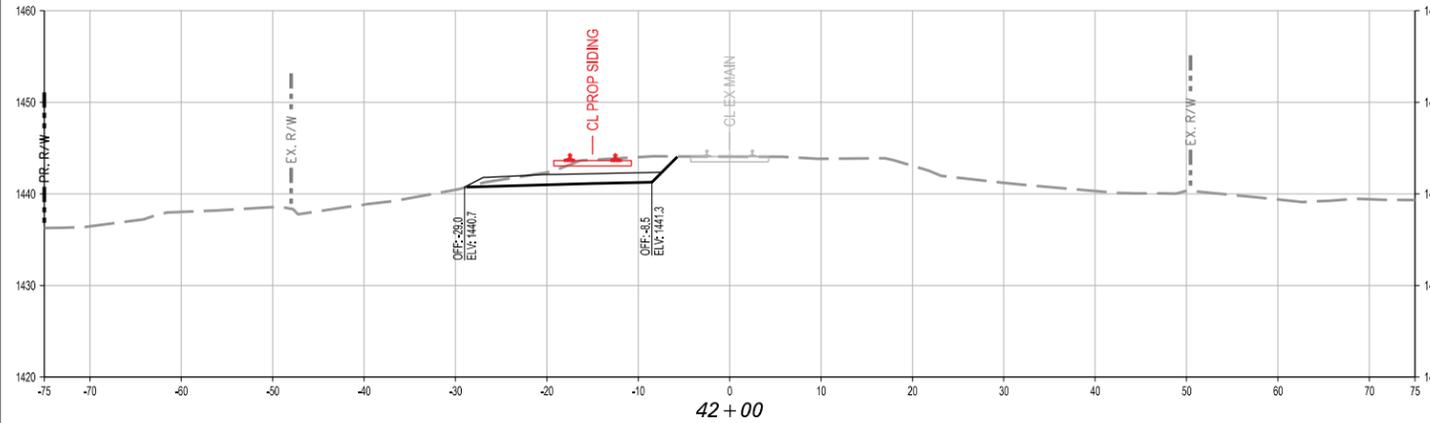
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CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-107
REVISION	SHEET 13 OF 16
SCALE	AS SHOWN



START SECTION STA 40+00 TO END SECTION STA 45+00

FILES	SPLTDRVS	WORK ELEMENT
\$	\$	\$
TIME	SPENITLS	CONTRACT DESIGNATOR
\$	\$	\$
DATE	DATE	LINE ITEM
PROJECT NUMBER	COST ELEMENT	CONTRACT DESIGNATOR
60038643		

NOT FOR CONSTRUCTION	
90% SUBMITTAL	
REV	DATE
DESCRIPTION	BY
	SUB APP

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DESIGNED BY	RPR
DRAWN BY	EPD
CHECKED BY	KJR
APPROVED BY	
DATE	JUNE 24, 2014

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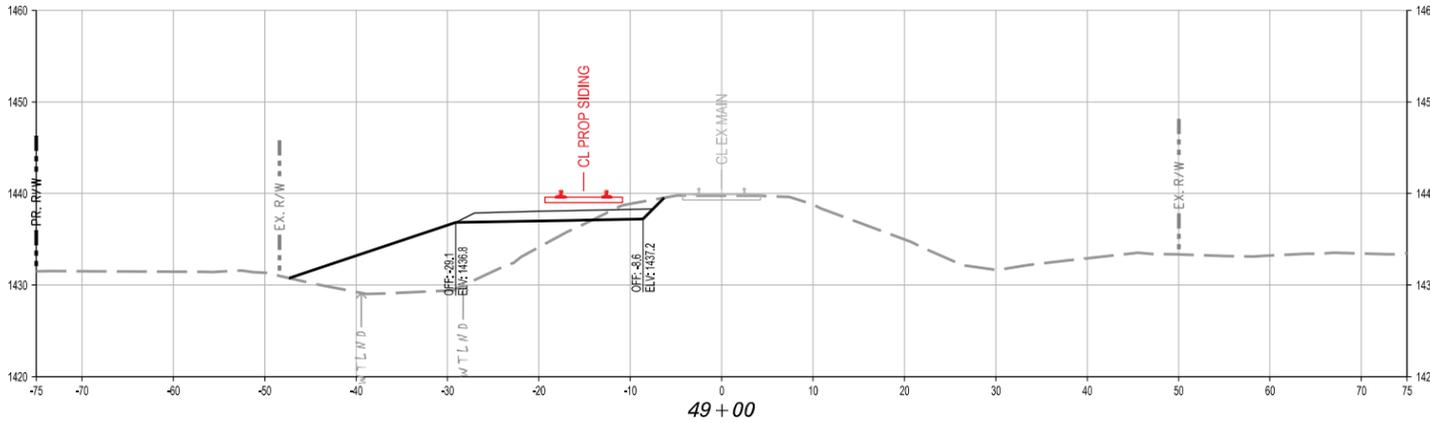
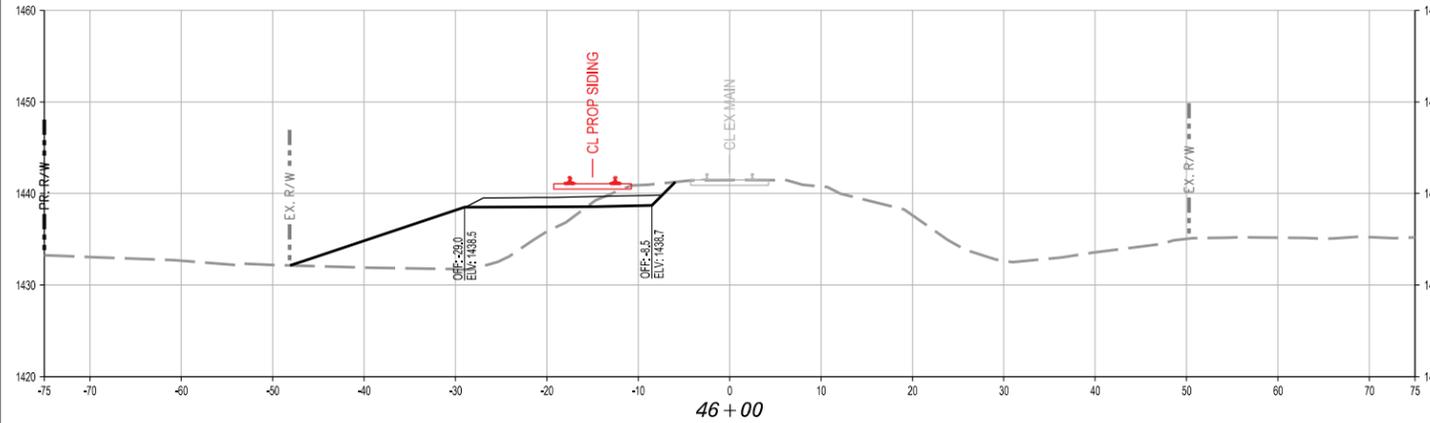
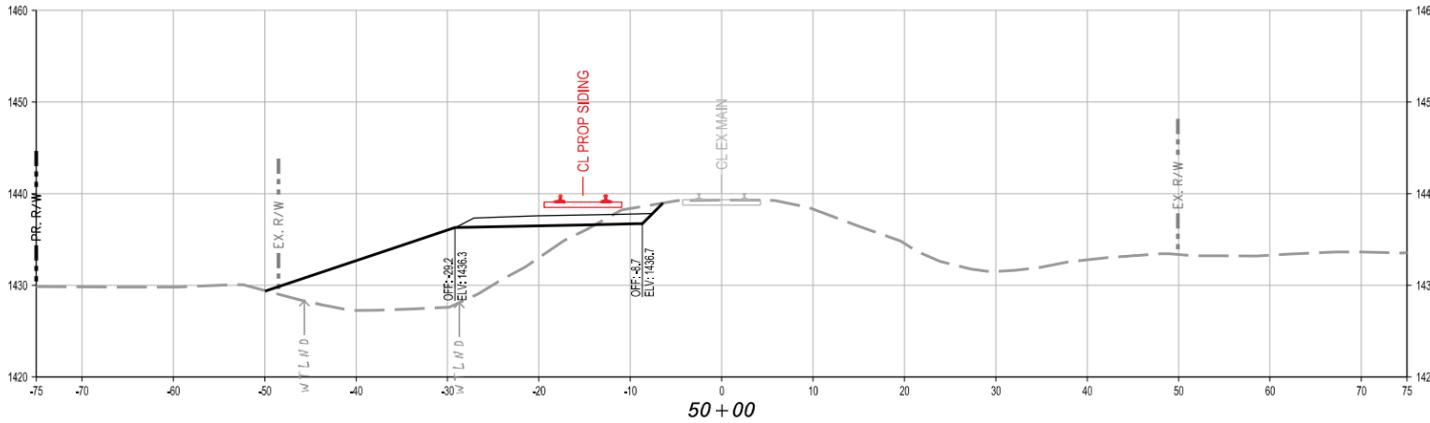
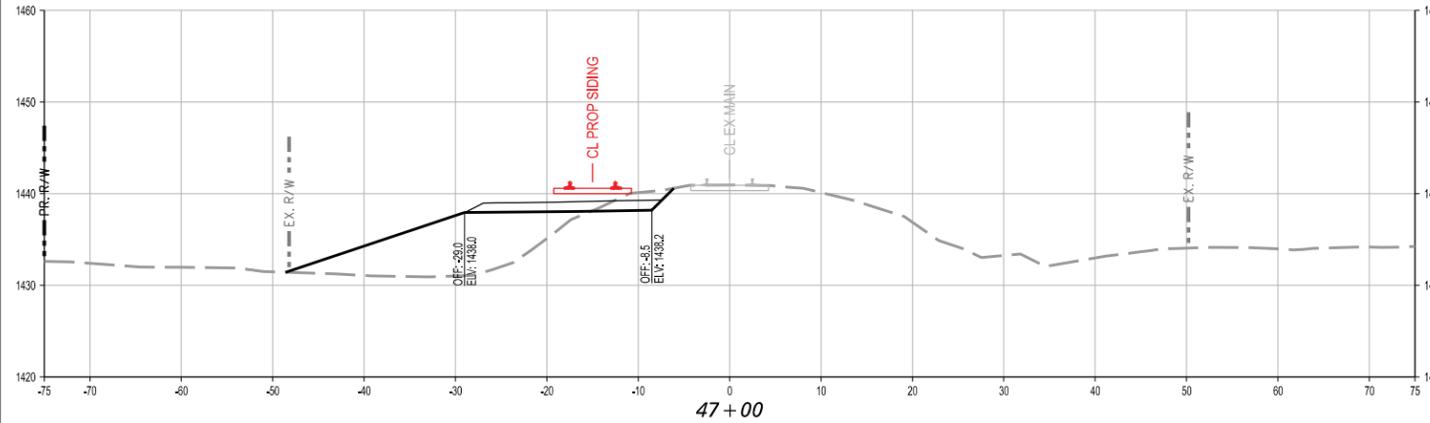
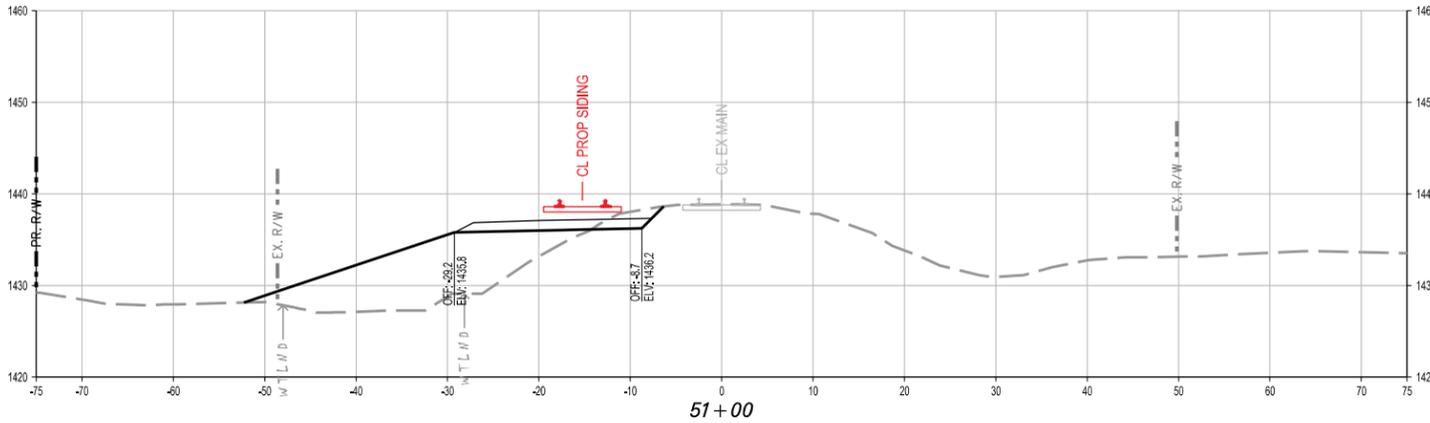
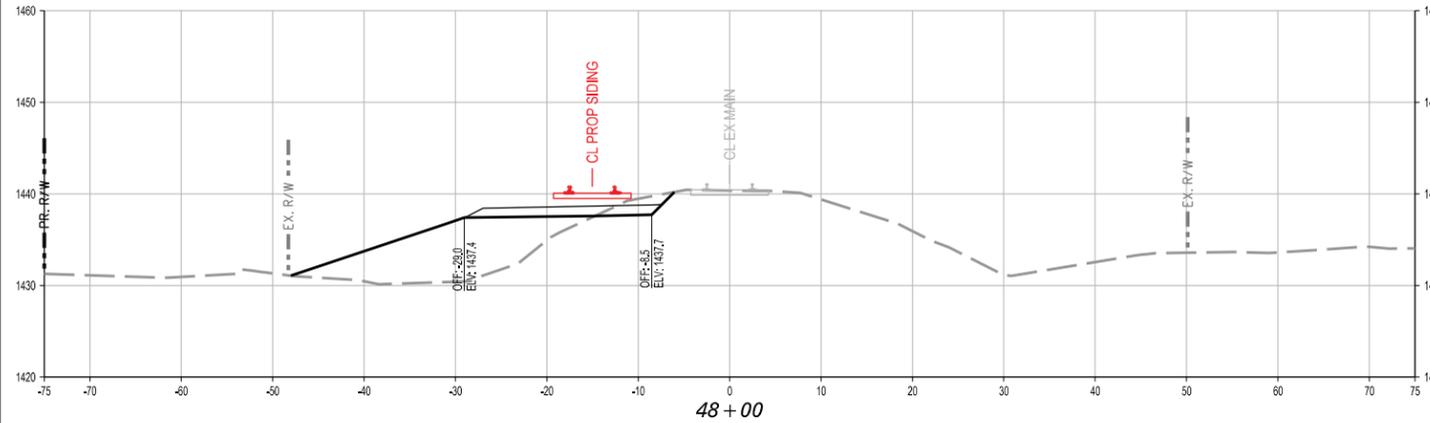
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CROSS SECTIONS

CONTRACT NO.	
DRAWING NO. XS-108	
REVISION	SHEET 14 OF 16
SCALE AS SHOWN	



START SECTION STA 46+00 TO END SECTION STA 51+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
FILES	
SPLTDRVS	
\$PENLBS	
\$TIME	
\$DATE	

REV	DATE	DESCRIPTION	BY	APP
			SJS	APP

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DESIGNED BY	RPR
DRAWN BY	EPD
CHECKED BY	KJR
APPROVED BY	
DATE	JUNE 24, 2014

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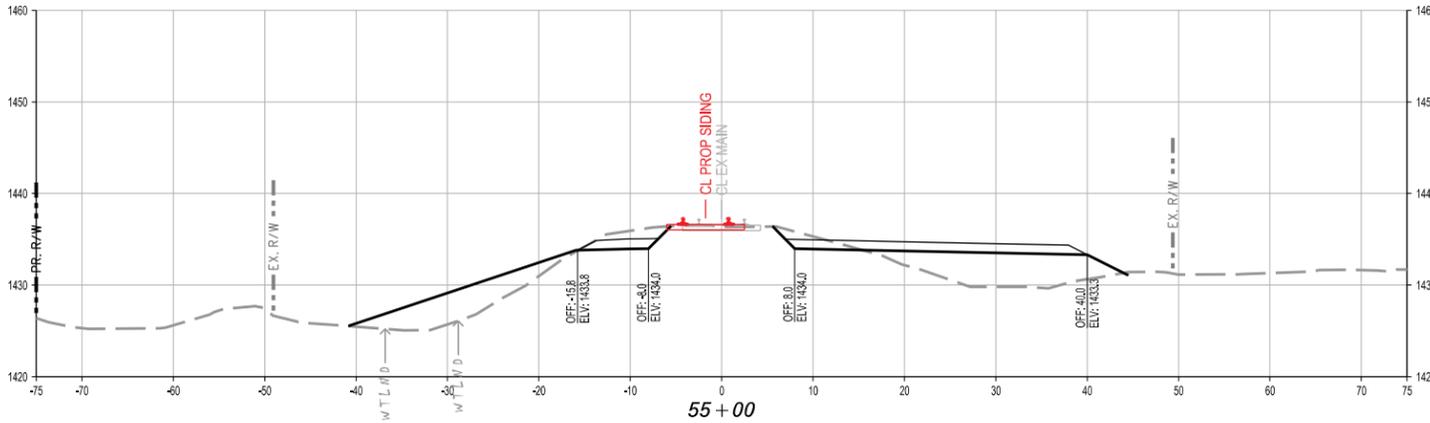
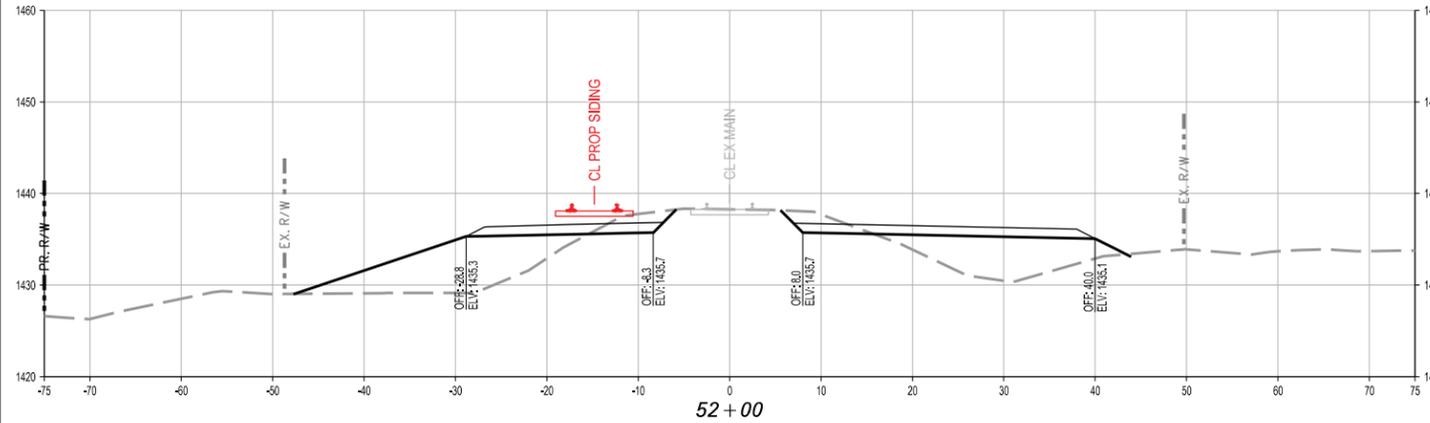
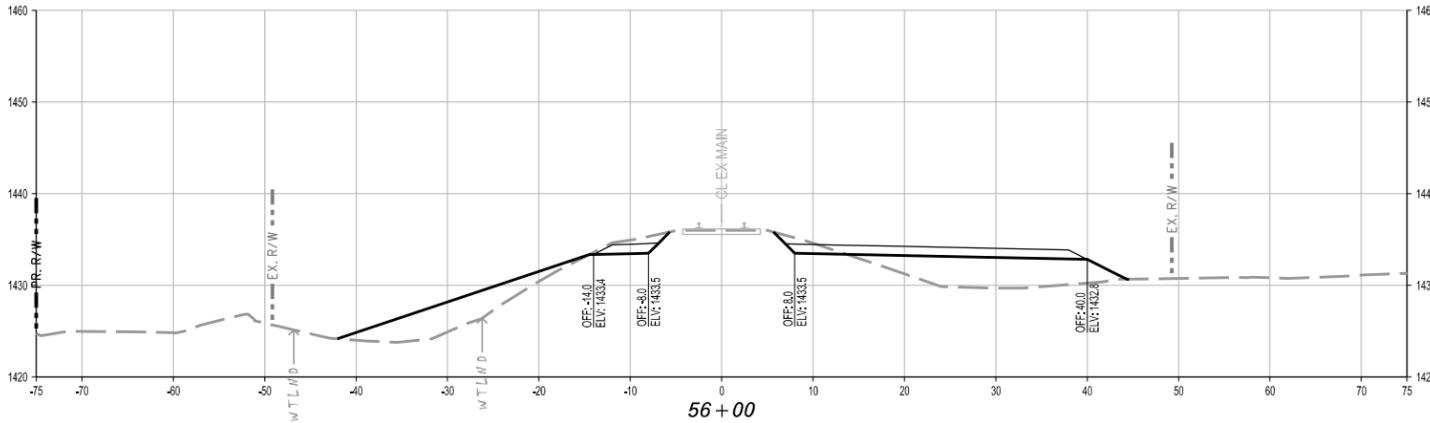
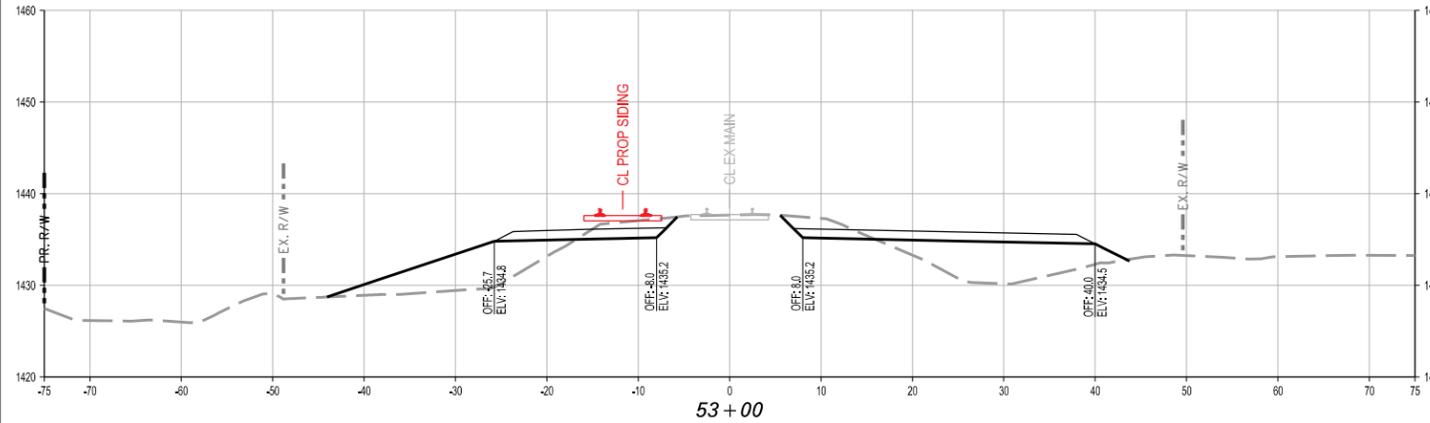
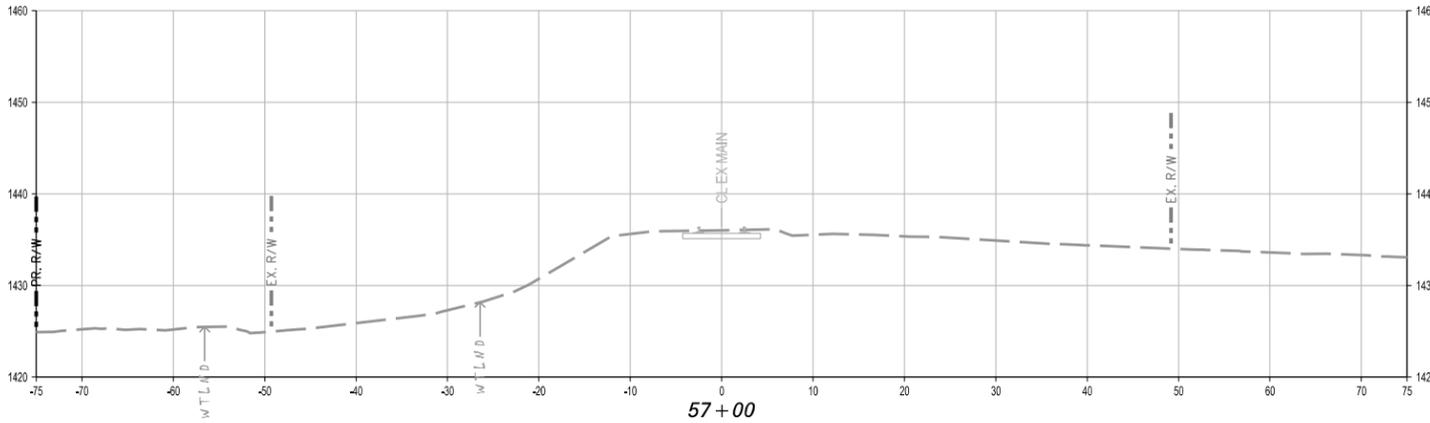
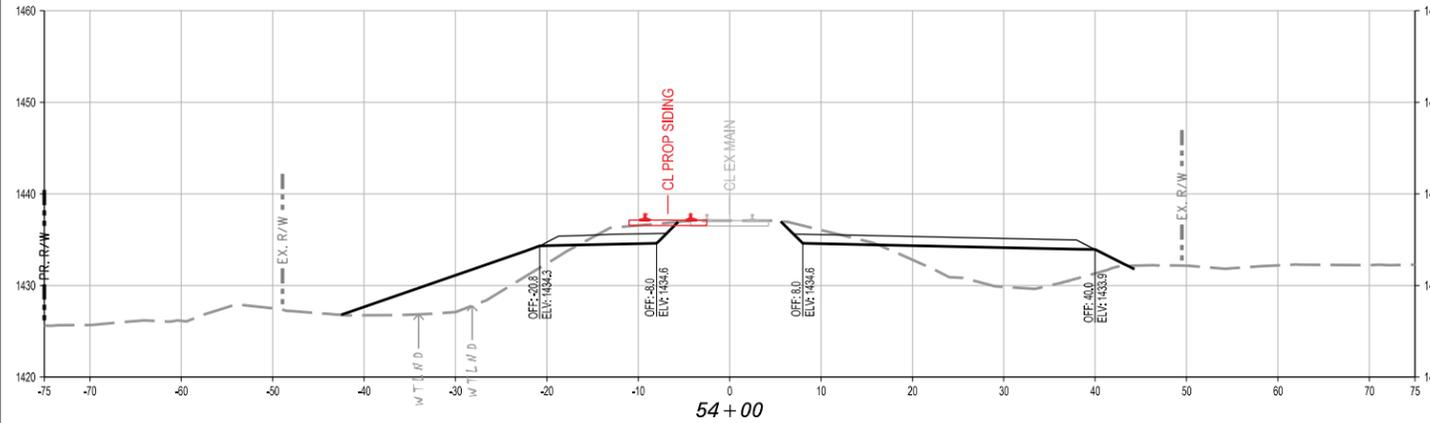
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 CROSS SECTIONS

CONTRACT NO.	
DRAWING NO.	XS-109
REVISION	SHEET 15 OF 16
SCALE	AS SHOWN



START SECTION STA 52+00 TO END SECTION STA 57+00

PROJECT NUMBER	60038643
COST ELEMENT	
LINE ITEM	
CONTRACT DESIGNATOR	
GENERAL ENTRY	
WORK ELEMENT	
FILES\$	
SPLTD RVS\$	
SPENITBLS\$	
STIME\$	
SDATE\$	

REV	DATE	DESCRIPTION	BY	APP
			SUB	APP

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DESIGNED BY	RPR
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APPROVED BY	
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CONTRACT NO.	
DRAWING NO.	XS-110
REVISION	SHEET
	16 OF 16
SCALE	
AS SHOWN	