

Information for File #2013-01575-WAB

Applicant: Itasca County Highway Department

Corps Contact: William Baer

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Phone: 651-290-5338

Primary County: Itasca

Sec/Township/Range: Project extends from STA 10+70 within the NW ¼, S21, T150N, R28W, to STA 75+00 within the NE ¼, S22, T150N, R28W

Information Complete On: April 29, 2013

Posting Expires On: June 15, 2013

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. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

Project Purpose:

The project involves reconstructing two segments of Itasca County CSAH 31, with a total project length of 0.85 miles. According to the applicant, the roadway is nearly impassable during poor weather conditions, and continued neglect would likely result in road closure. The purpose of the project is to upgrade the substandard segments by raising the driving surface 1.5 feet.

Project Description:

The project is a road maintenance reconstruction project within a segment of Itasca County CSAH 31. Reconstruction is limited to two portions of the road located within or across wetland areas. According to the applicant, the two segments present safety concerns due to the poor subgrade material and adjacent water levels. The project would involve placing select granular fill and aggregate on top of geotextile fabric. The raised road surface will maintain the current 24-foot gravel driving surface, which would require widening the road base width. The proposed roadway inslopes will be constructed at a 1:4 (V:H) ratio. There are no ditches within the wetland crossing areas.

Name, Area and Types of waters (including wetlands) subject to loss: The project would result in 1.63 acres of permanent wetland impacts associated with the placement of fill for road reconstruction. Permanent wetland impacts include 0.09 acres of coniferous swamp (Type 7) and 1.54 acres of shrub swamp (Type 6). The project would also include temporary impacts to 0.27 acres of shrub swamp and 0.01 acres of coniferous swamp.

Alternatives considered: The applicant considered the no-action or no-construction alternative and determined that the no-action alternative would not meet the project purpose and need and likely result in road closure.

Compensatory mitigation: The applicant has proposed to provide compensatory mitigation for the permanent wetland impacts by debiting wetland credits from the MN Board of Water and Soil Resources Road Replacement Program mitigation bank.

Drawings: See attached.

CSAH 31 Wetland Impacts - CP 3106

Sheet #	Station to Station	Location Number	County	Wetland Type	Wetland Impacts			
					Cut - SF	Fill - SF	Temporary - SF	Total - AC
6,7	11+03 - 24+15	1	Itasca	Type 6 - Shrub Swamp	0	12567	2610	0.35
6,7	10+85 - 24+45	2	Itasca	Type 6 - Shrub Swamp	0	15225	2661	0.41
8	26+80 - 27+35	3	Itasca	Type 7 - Wooded Swamp	0	273	100	0.01
8	28+15 - 29+58	5	Itasca	Type 6 - Shrub Swamp	0	1619	276	0.04
8	30+85 - 33+75	6	Itasca	Type 6 - Shrub Swamp	0	2608	469	0.07
8	28+00 - 40+20	7	Itasca	Type 6 - Shrub Swamp	0	13613	2179	0.36
9	35+75 - 40+33	8	Itasca	Type 6 - Shrub Swamp	0	7468	888	0.19
11	59+30 - 61+80	9	Itasca	Type 7 - Wooded Swamp	0	3753	477	0.10
11	59+00 - 60+85	10	Itasca	Type 6 - Shrub Swamp	0	2144	374	0.06
12	66+25 - 67+97	11	Itasca	Type 6 - Shrub Swamp	0	2250	352	0.06
12	66+55 - 67+65	12	Itasca	Type 6 - Shrub Swamp	0	822	228	0.02
12	70+10 - 74+05	13	Itasca	Type 6 - Shrub Swamp	0	4136	755	0.11
12	69+95 - 74+10	14	Itasca	Type 6 - Shrub Swamp	0	4615	836	0.13

Wetland Impact Summary by Type:

Cut Impacts:

Type 2 = 0.00 Acres
 Type 6 = 0.00 Acres
 Type 7 = 0.00 Acres

Temporary Impacts:

Type 2 = 0.00 Acres
 Type 6 = 0.27 Acres
 Type 7 = 0.01 Acres

Fill Impacts:

Type 2 = 0.00 Acres
 Type 6 = 1.54 Acres
 Type 7 = 0.09 Acres

Total Impacts:

Type 2 = 0.00 Acres
 Type 6 = 1.81 Acres
 Type 7 = 0.11 Acres

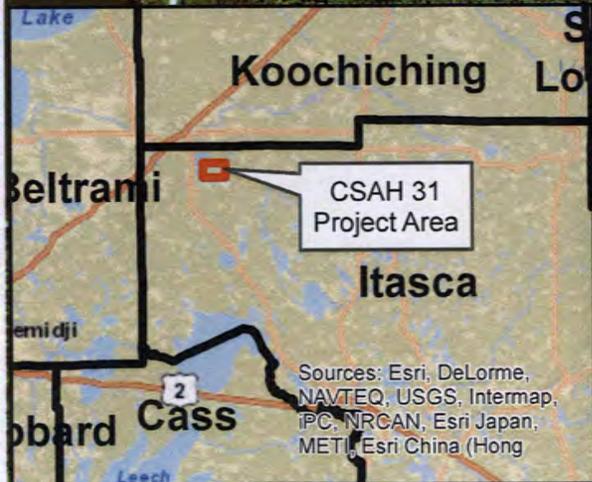
Rainy River Basin, Bigfork River Watershed

Total Acreage of Wetlands Impacted **1.91**

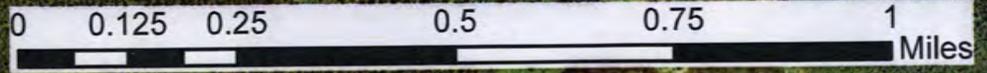
CSAH 31 Construction Segments



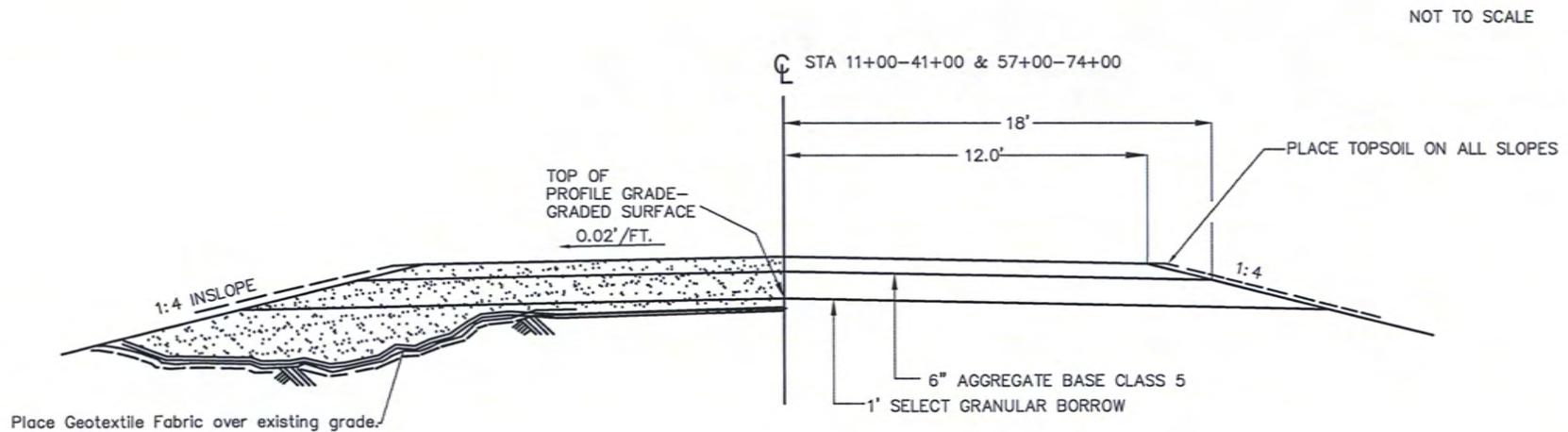
Construction Segments



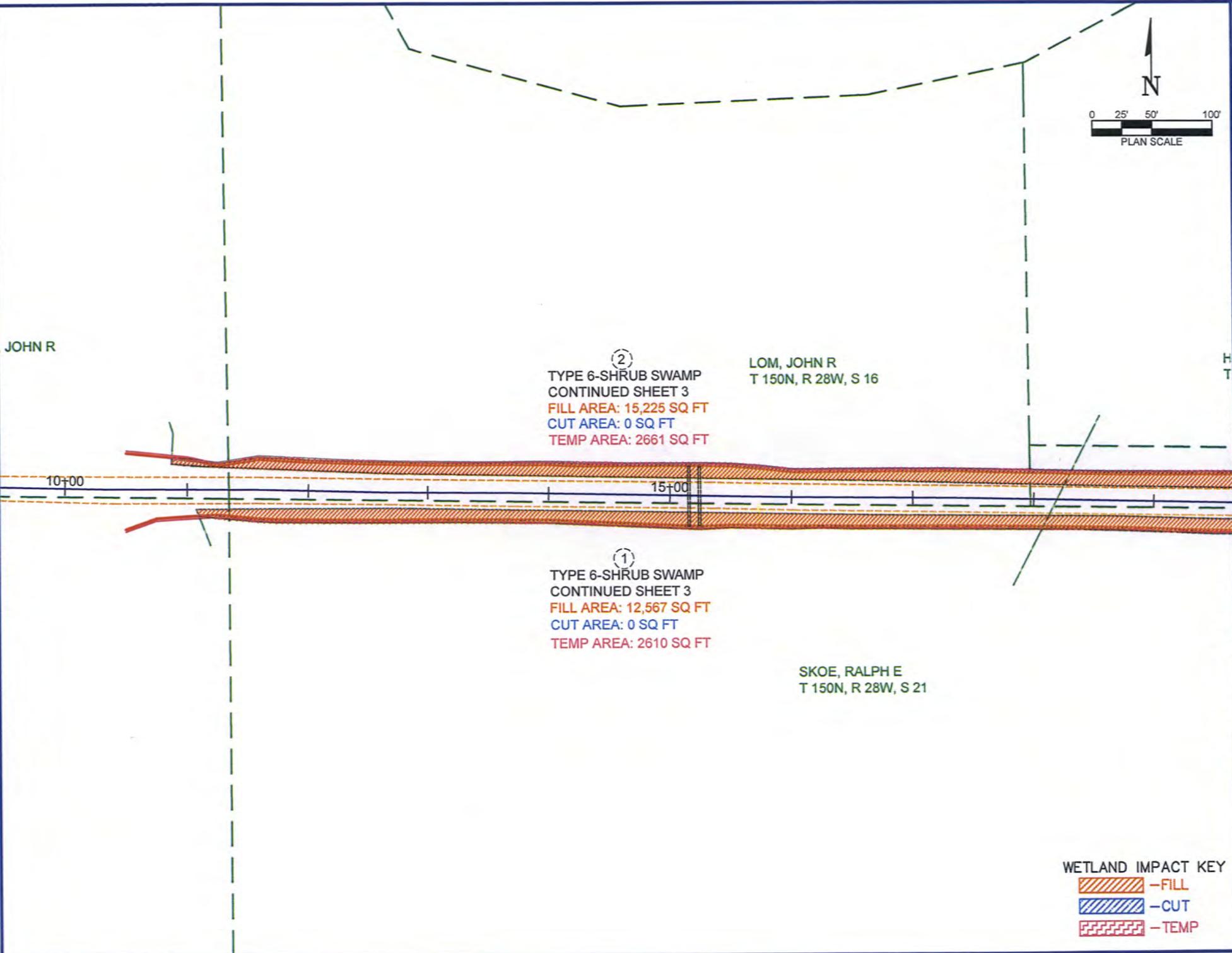
Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong



TYPICAL GRADING SECTIONS



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JOHN R

②
 TYPE 6-SHRUB SWAMP
 CONTINUED SHEET 3
 FILL AREA: 15,225 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 2661 SQ FT

LOM, JOHN R
 T 150N, R 28W, S 16

①
 TYPE 6-SHRUB SWAMP
 CONTINUED SHEET 3
 FILL AREA: 12,567 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 2610 SQ FT

SKOE, RALPH E
 T 150N, R 28W, S 21

WETLAND IMPACT KEY
 [Orange hatched] - FILL
 [Blue hatched] - CUT
 [Red hatched] - TEMP

SHEET 4

CP 3106 WETLAND IMPACTS

DATE: 04-22-2013

WILD-CP3106 A.DWG

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R
W, S 16

E, RALPH E
N, R 28W, S 21

HOLSTEN PROPERTIES LLC
T 150N, R 28W, S 16

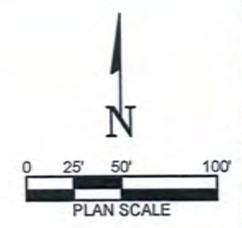
SKOE, RALPH E
T, 150N, R 28W, S 21

②
TYPE 6-SHRUB SWAMP
CONTINUED FROM SHEET 2

①
TYPE 6-SHRUB SWAMP
CONTINUED FROM SHEET 2

20+00

25+00



WETLAND IMPACT KEY

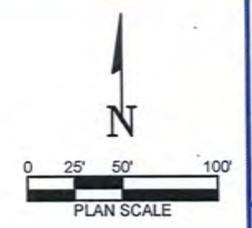
-  - FILL
-  - CUT
-  - TEMP

SHEET 5

CP 3106 WETLAND IMPACTS

DATE: 04-22-2013

WILD-CP3106 A.DWG



STATE OF MINNESOTA
T 150N, R 28W, S 16

USA
T 150N, R 28W, S 21

③
TYPE 7-WOODED SWAMP
FILL AREA: 273 SQ FT
CUT AREA: 0 SQ FT
TEMP AREA: 100 SQ FT

⑦
TYPE 6-SHRUB SWAMP
CONTINUED SHEET 11
FILL AREA: 13,613 SQ FT
CUT AREA: 0 SQ FT
TEMP AREA: 2179 SQ FT

④
TYPE 6-SHRUB SWAMP
FILL AREA: 0 SQ FT
CUT AREA: 0 SQ FT
TEMP AREA: 0 SQ FT

⑤
TYPE 6-SHRUB SWAMP
FILL AREA: 1619 SQ FT
CUT AREA: 0 SQ FT
TEMP AREA: 276 SQ FT

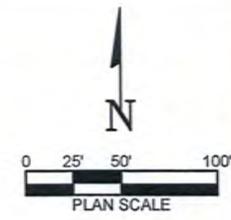
⑥
TYPE 6-SHRUB SWAMP
FILL AREA: 2608 SQ FT
CUT AREA: 0 SQ FT
TEMP AREA: 469 SQ FT

WETLAND IMPACT KEY

- FILL
- CUT
- TEMP

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STATE OF MINNESOTA
T 150N, R 28W, S 16

DAHMES, GENE & ANNE
T 150N, R 28W, S 15

⑦
TYPE 6-SHRUB SWAMP
CONTINUED FROM SHEET 10

TYPE 7-W

35+00

40+00

⑧
TYPE 6-SHRUB SWAMP
FILL AREA: 7468 SQ FT
CUT AREA: 0 SQ FT
TEMP AREA: 888 SQ FT

⑰
TYPE 7-WOOD

USA
T 150N, R 28W, S 21

BRENNY, BRUCE & JOANNE
T 150N, R 28W, S 22

WETLAND IMPACT KEY

-  -FILL
-  -CUT
-  -TEMP

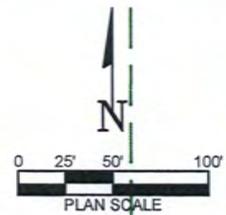
SHEET 7

CP 3106 WETLAND IMPACTS

DATE: 04-22-2013

WTLD-CP3106 A.DWG

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DAHMES, GENE & ANNE

(18)
TYPE 7-WOODED SWAMP

(16)
TYPE 6-SHRUB SWAMP

(17)
TYPE 7-WOODED SWAMP

(15)
TYPE 7-WOODED SWAMP

BRENNY, BRUCE & JOANNE

45+00

50+00

WETLAND IMPACT KEY

- FILL
- CUT
- TEMP

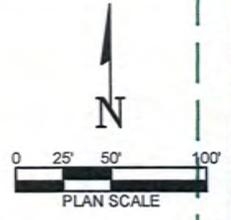
SHEET 8

CP 3106 WETLAND IMPACTS

DATE: 04-22-2013

WILD-CP3106 A.DWG

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SHEET 9

CP 3106 WETLAND IMPACTS

DATE: 04-22-2013

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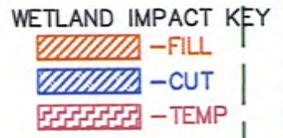


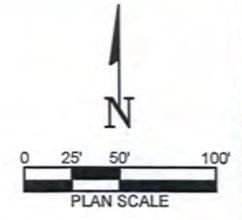
RUSCHMEYER, CLIFFORD & CAROLYN
T 150N, R 28W, S 15

(9)
 TYPE 7-WOODDED SWAMP
 FILL AREA: 3753 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 477 SQ FT

(10)
 TYPE 6-SHRUB SWAMP
 FILL AREA: 2144 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 374 SQ FT

OPATZ, TIMOTHY W
T 150N, R 28W, S 22





SHEET 10

CP 3106 WETLAND IMPACTS

DATE: 04-22-2013

WTLD-CP3106 A.DWG

(12)
 TYPE 6-SHRUB SWAMP
 FILL AREA: 822 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 228 SQ FT

WEISENHORN, KARL & JULIE
 T 150N, R 28W, S 15

(14)
 TYPE 6-SHRUB SWAMP
 FILL AREA: 4615 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 836 SQ FT

(11)
 TYPE 6-SHRUB SWAMP
 FILL AREA: 2250 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 352 SQ FT

WAJERSKI, DANIEL & FRANCESCA
 T 150N, R 28W, S 22

(13)
 TYPE 6-SHRUB SWAMP
 FILL AREA: 4136 SQ FT
 CUT AREA: 0 SQ FT
 TEMP AREA: 755 SQ FT

WAJERSKI

70+00

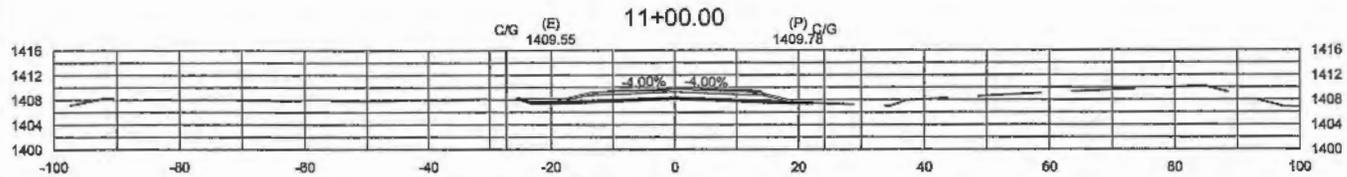
75+00

WETLAND IMPACT KEY

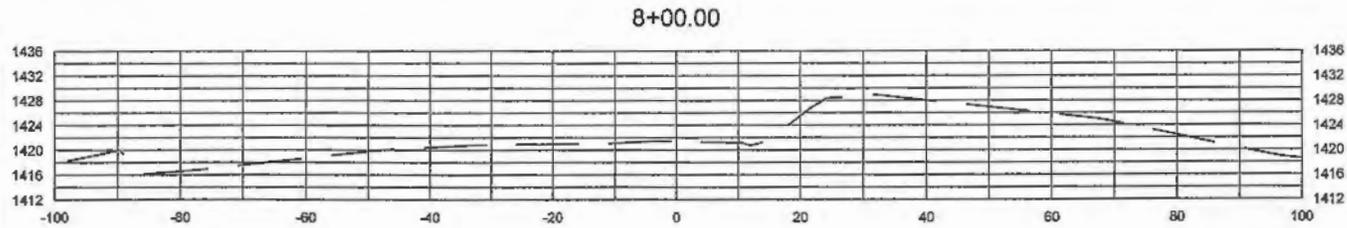
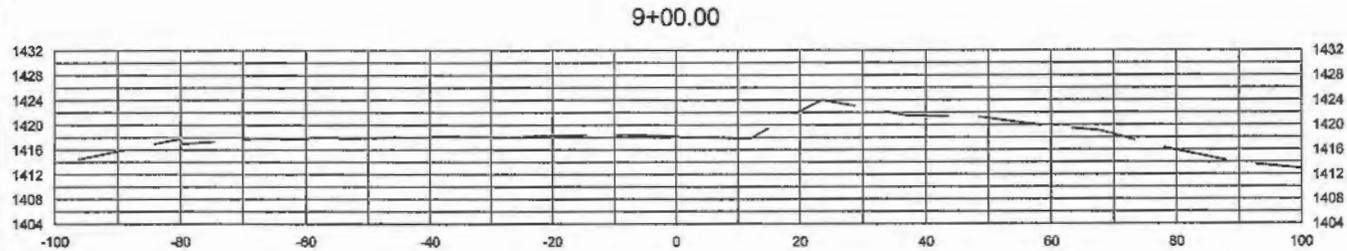
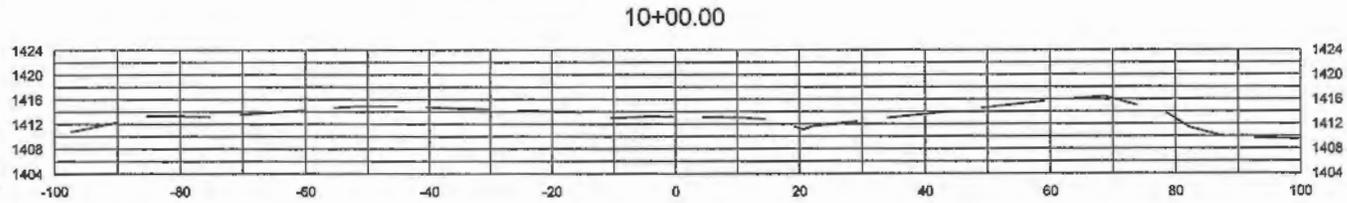
-  - FILL
-  - CUT
-  - TEMP

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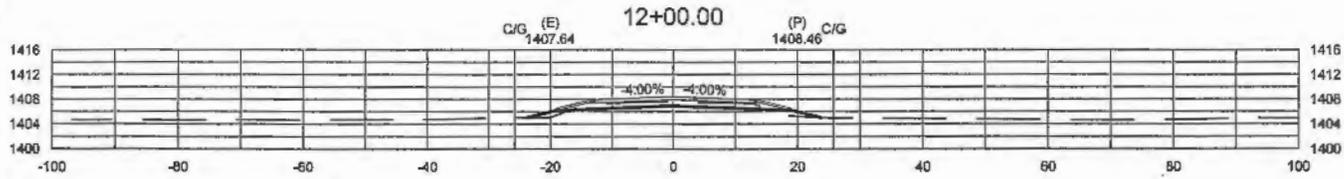
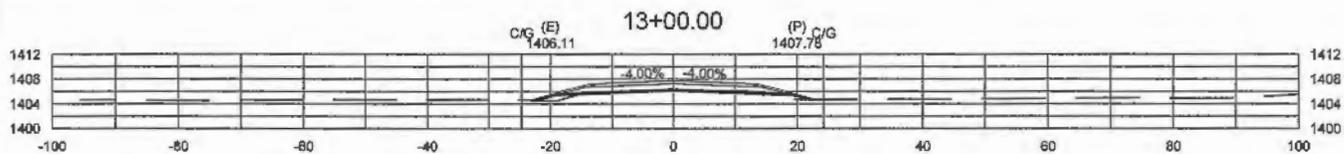
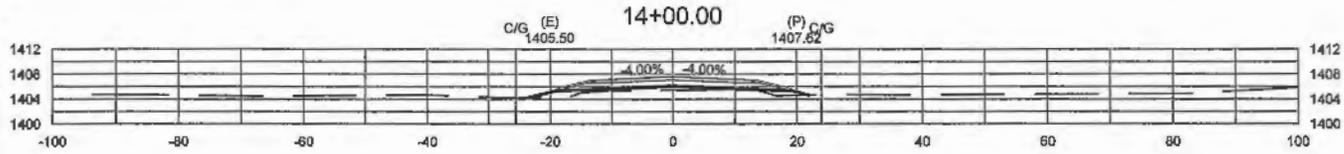
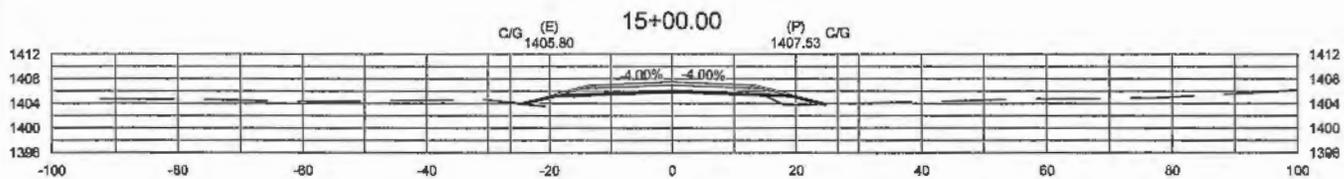
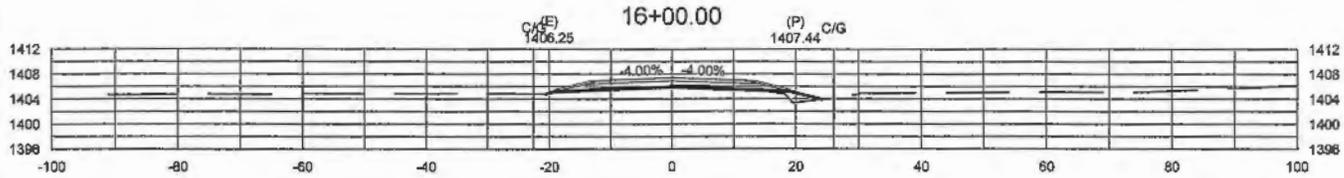
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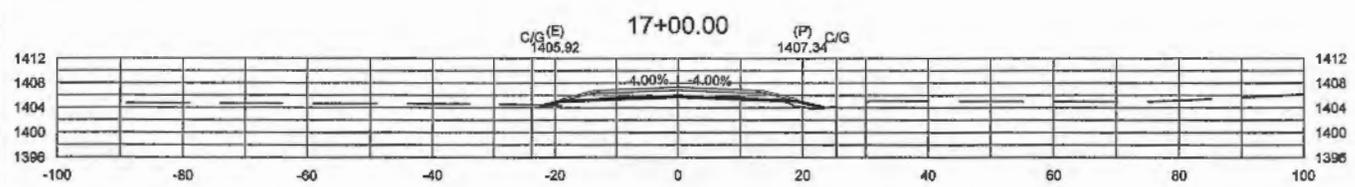
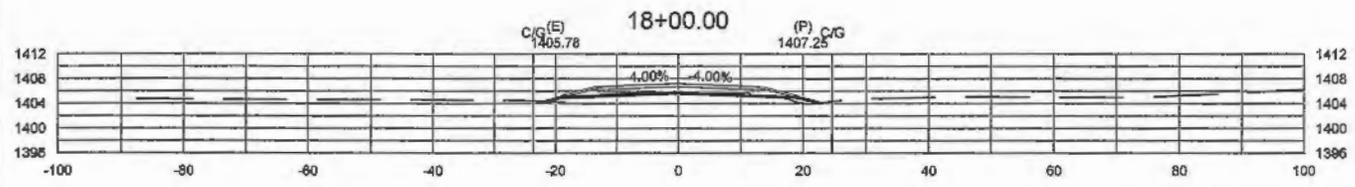
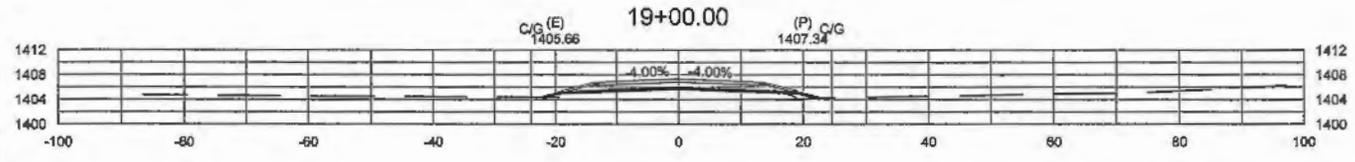
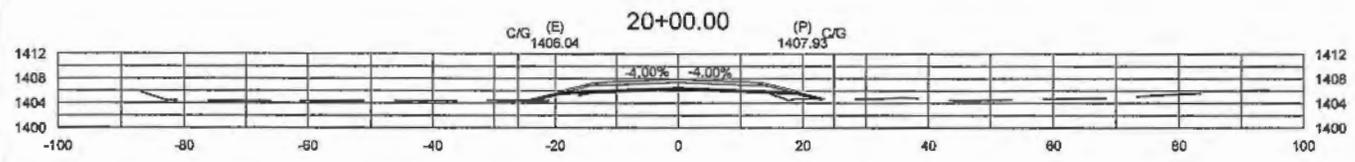
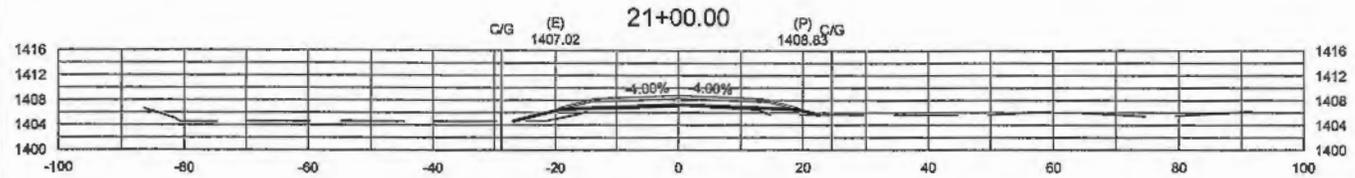
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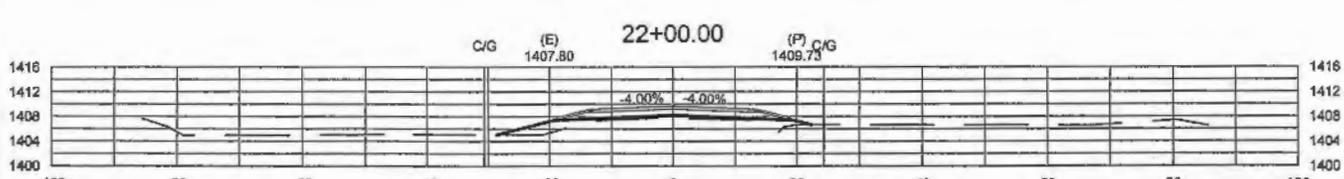
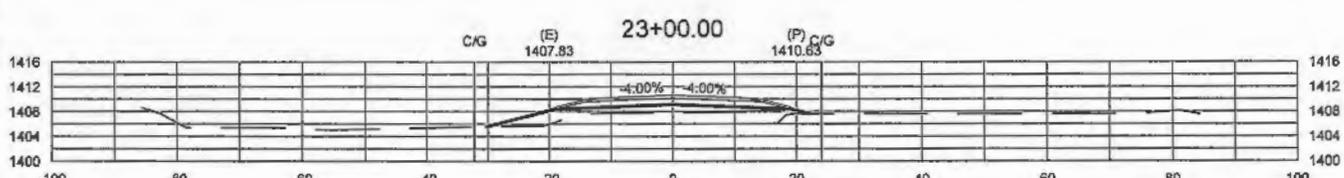
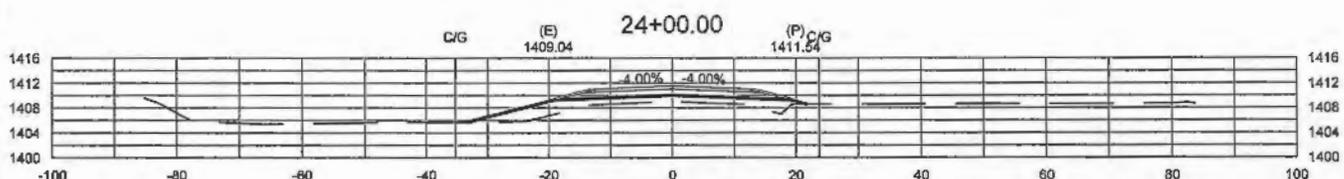
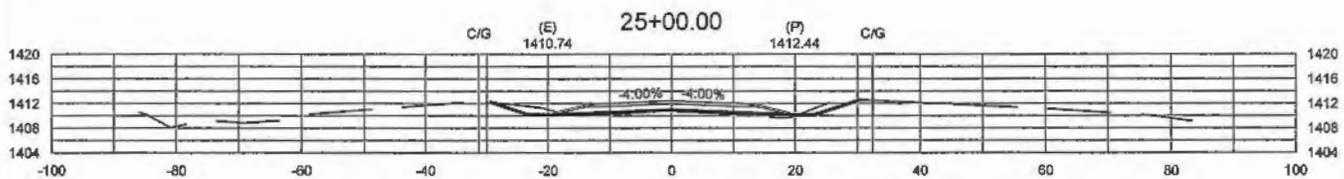
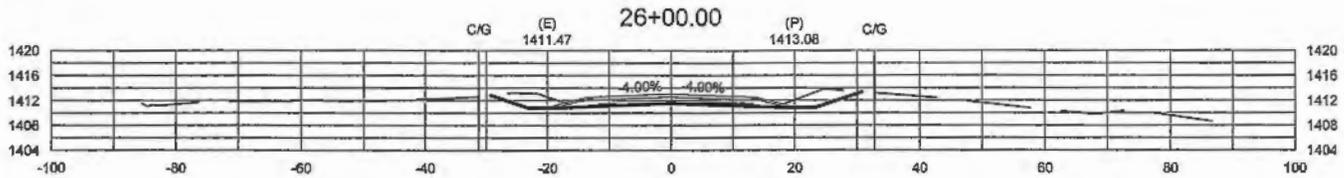
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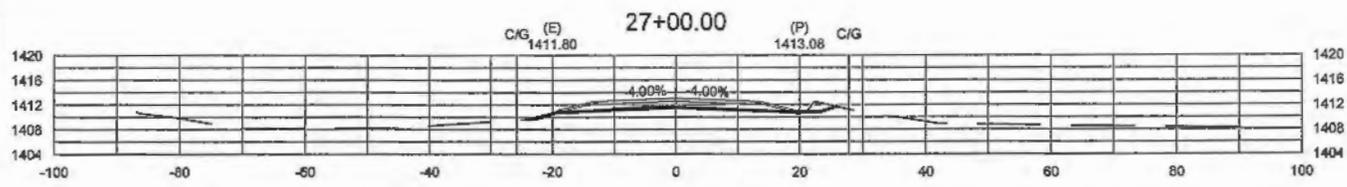
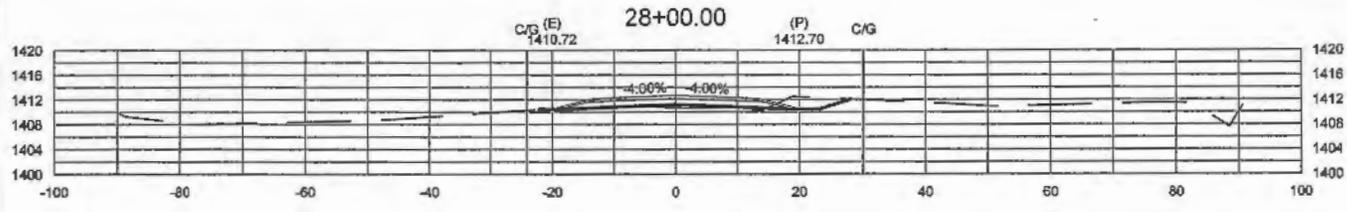
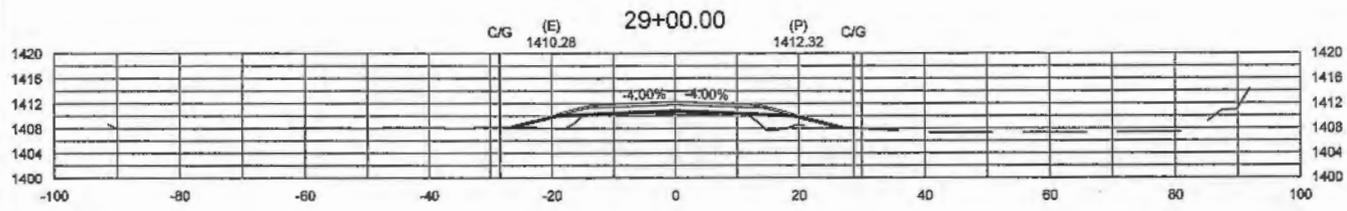
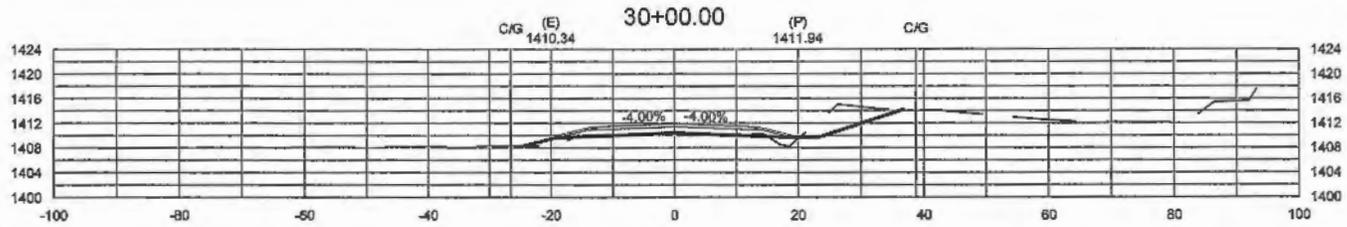
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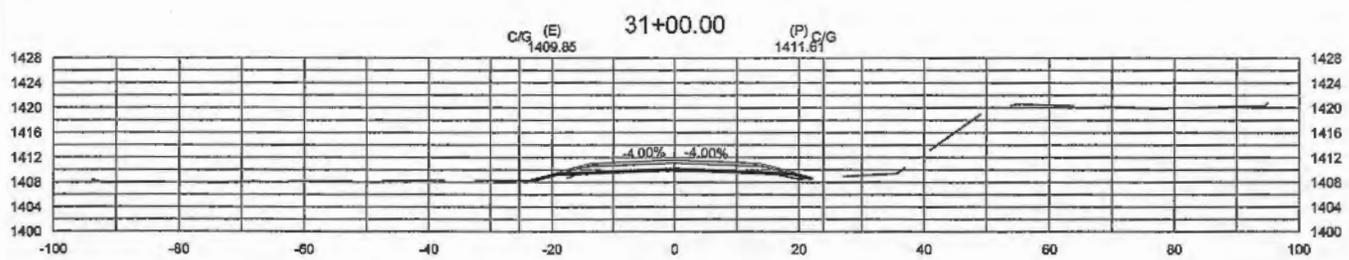
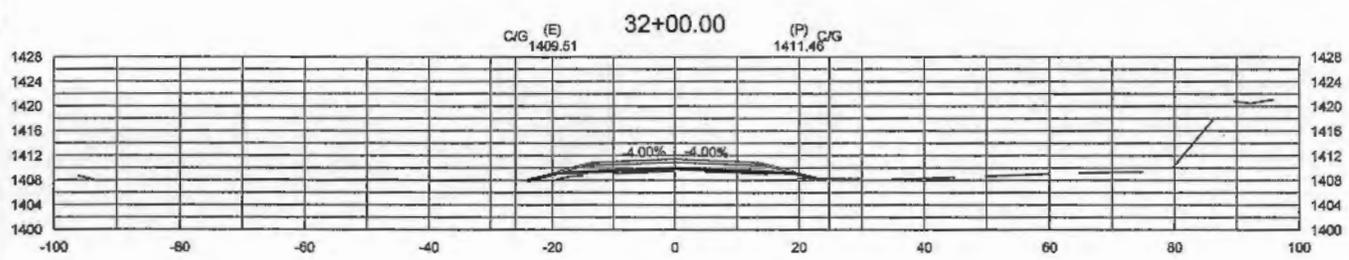
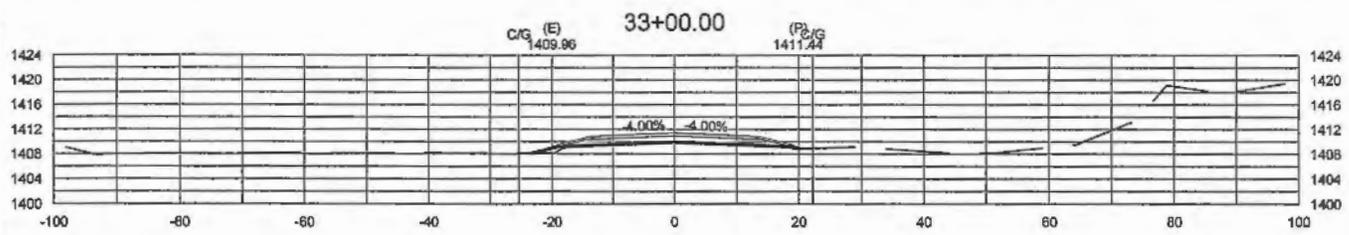
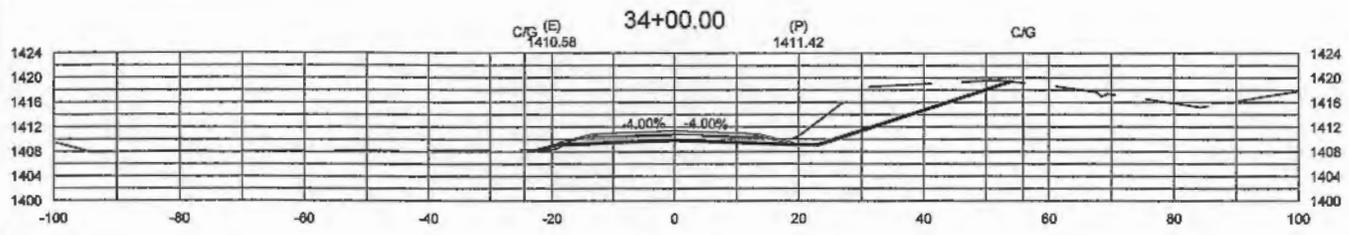
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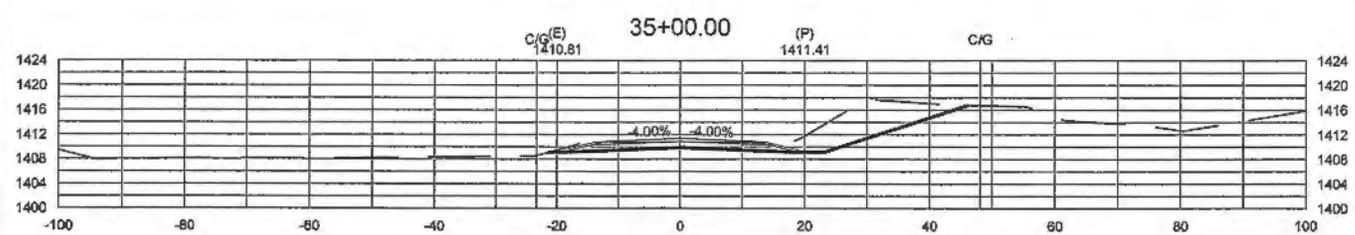
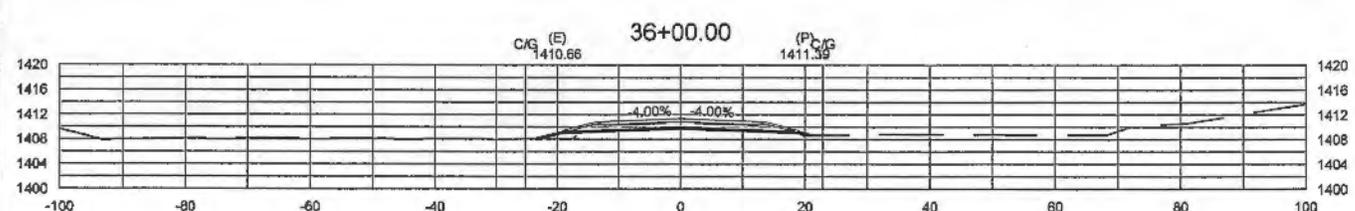
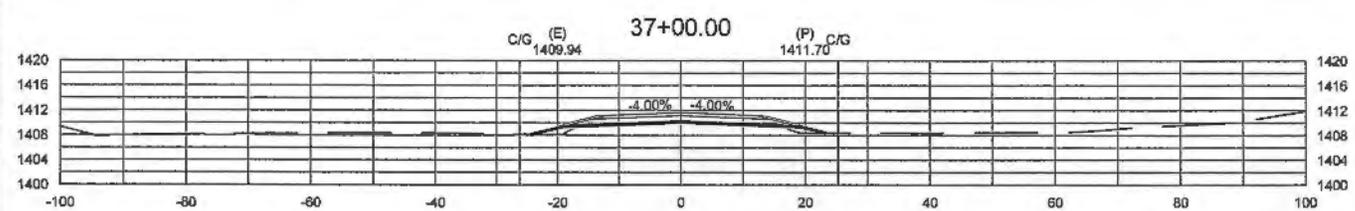
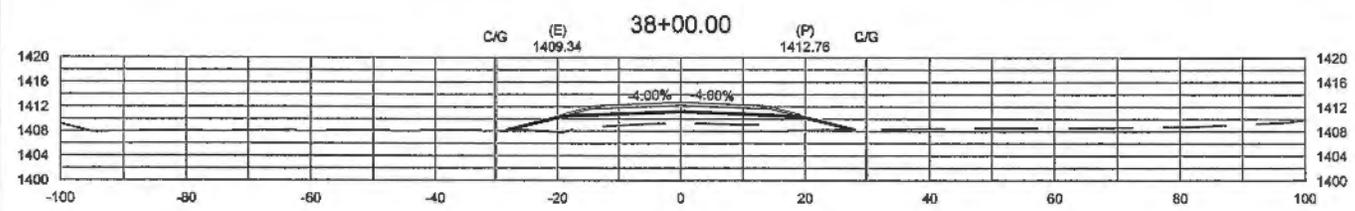
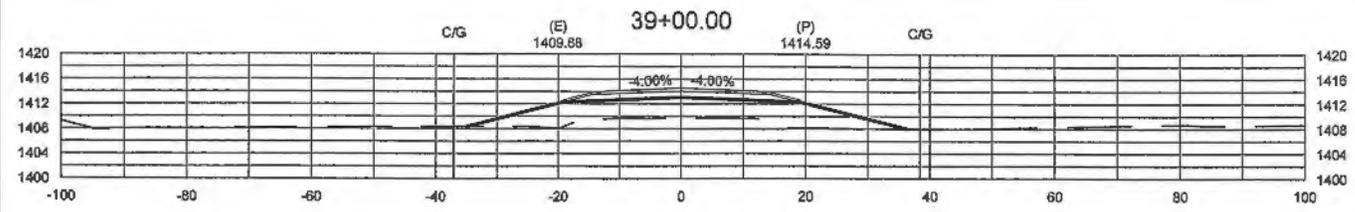
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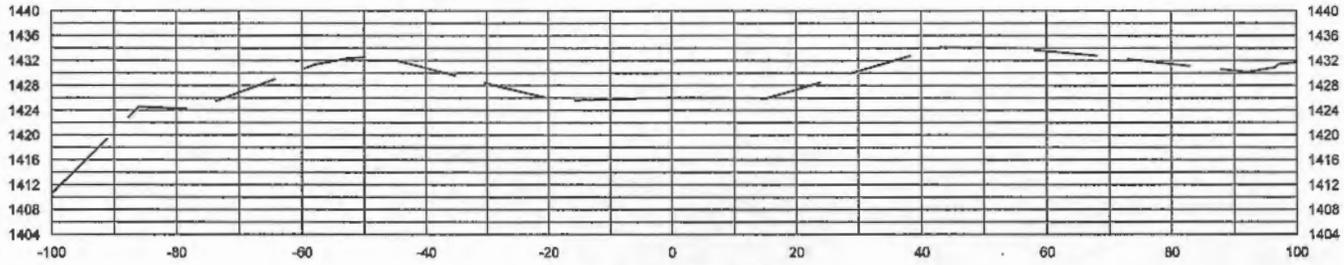


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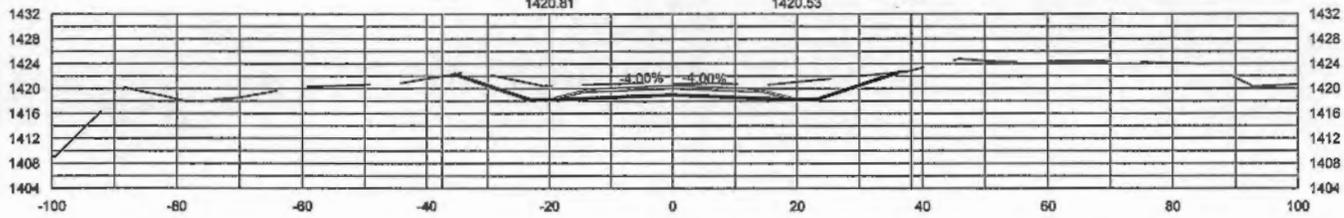
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42+00.00

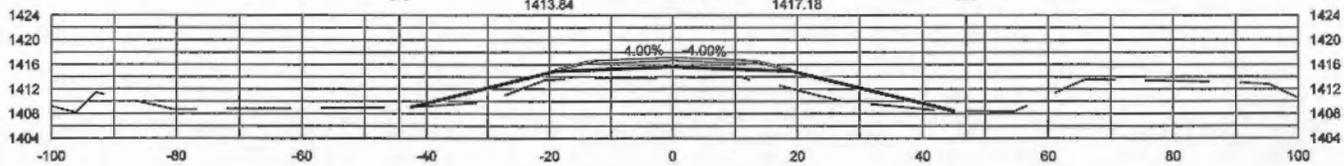


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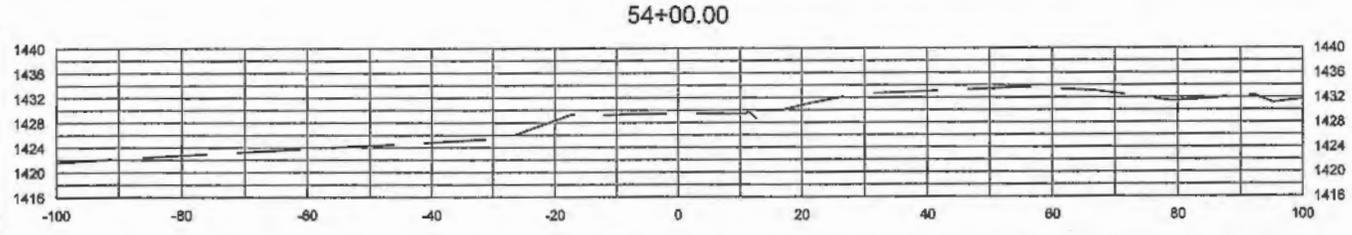
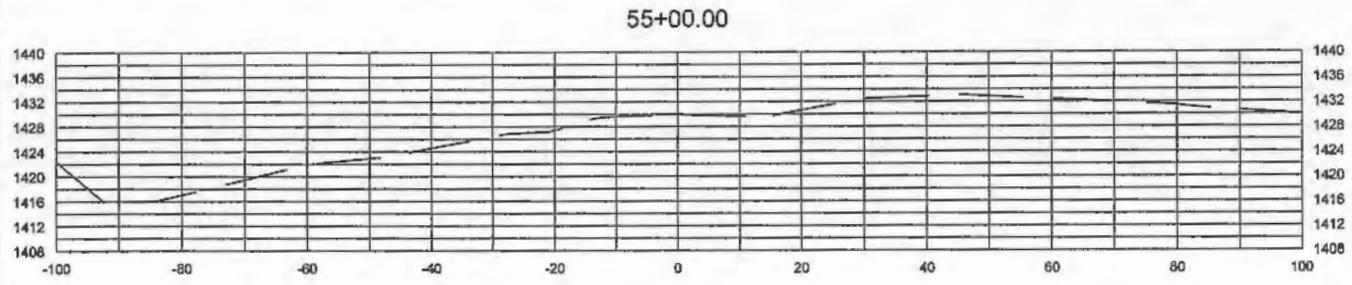
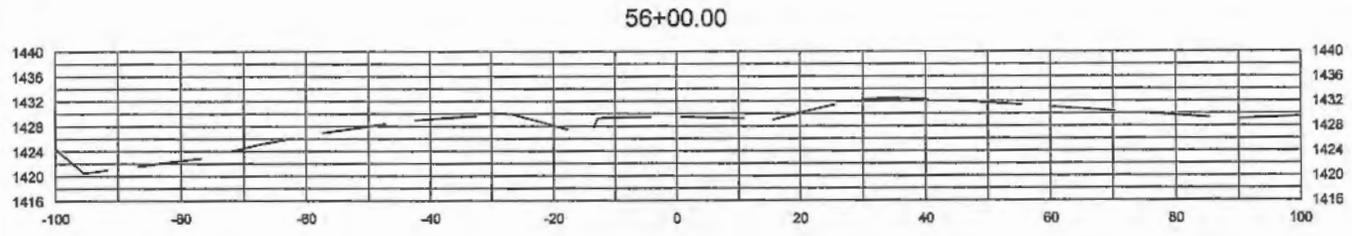
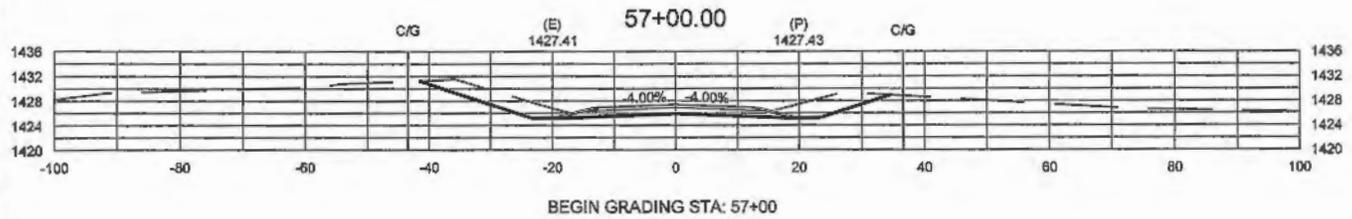
41+00.00



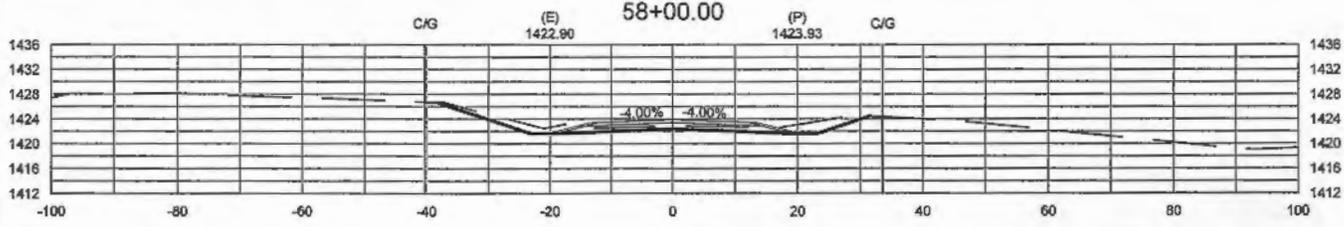
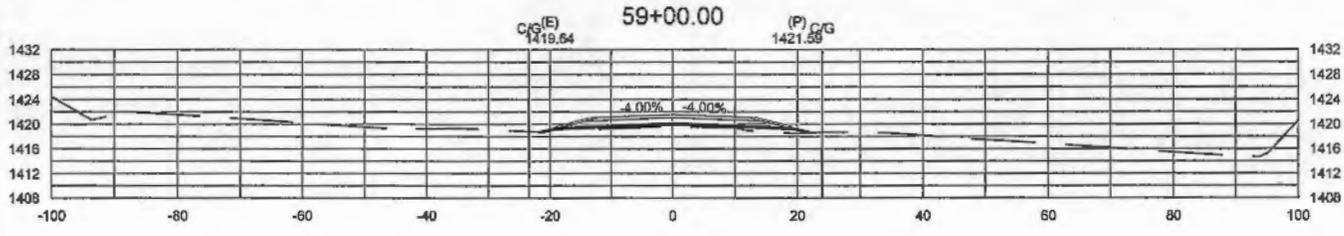
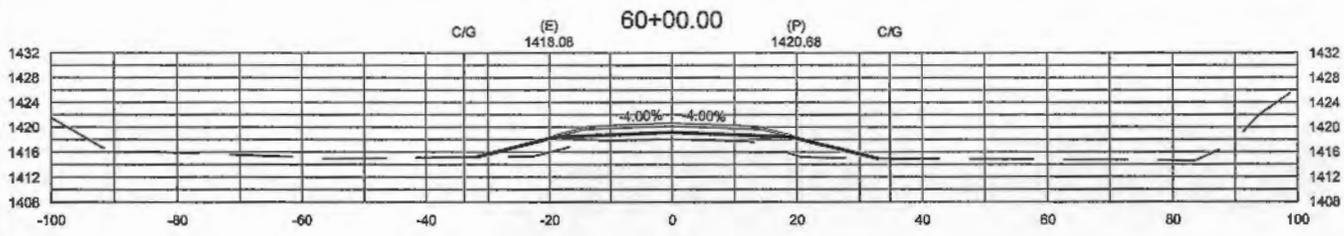
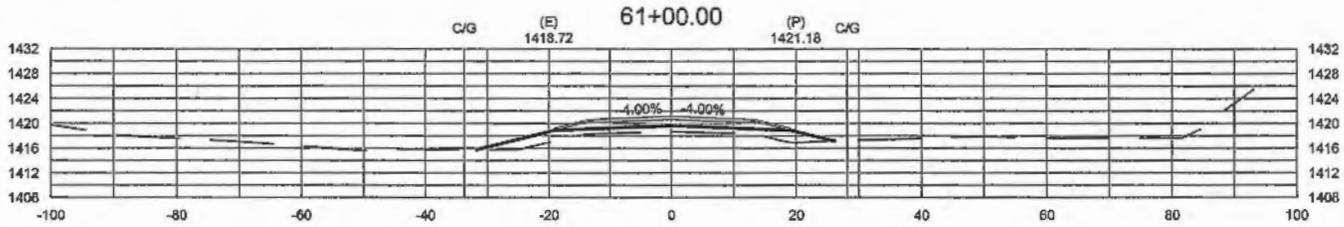
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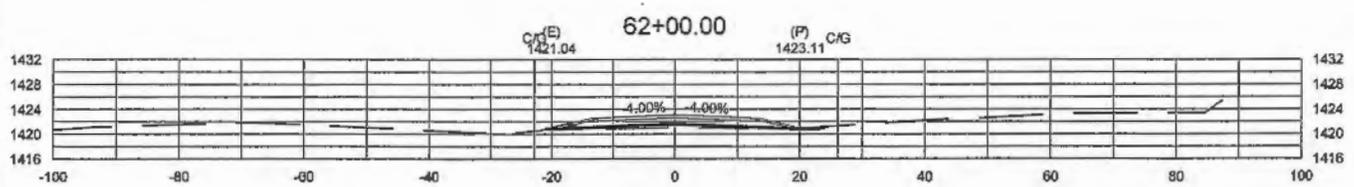
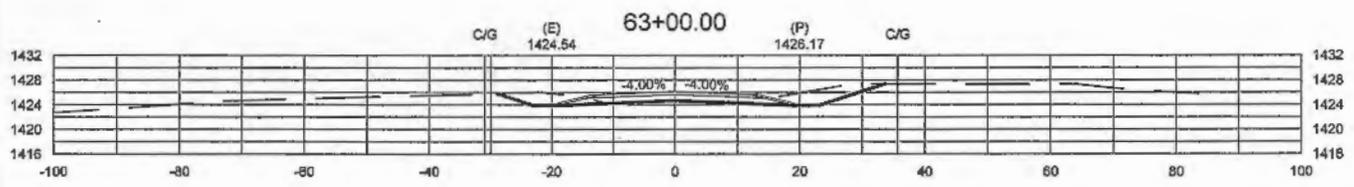
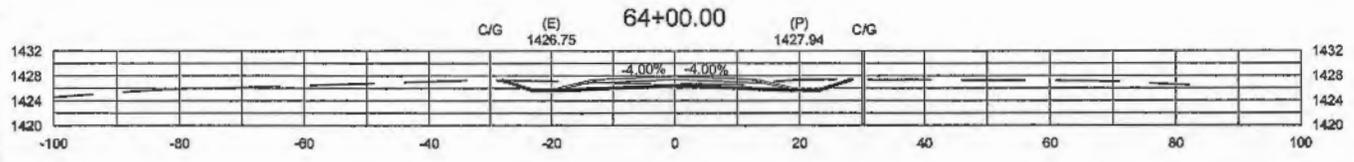
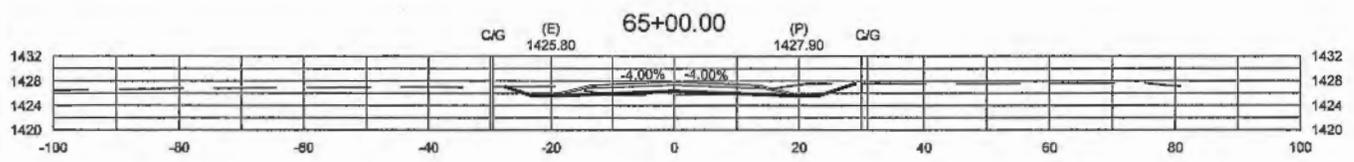
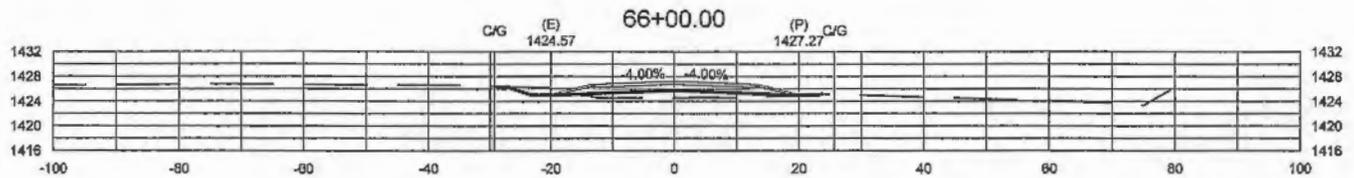
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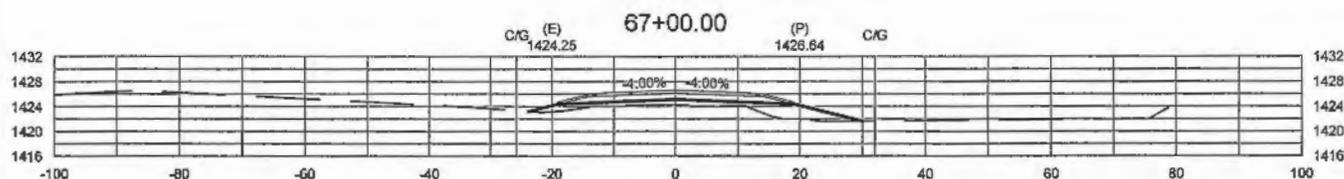
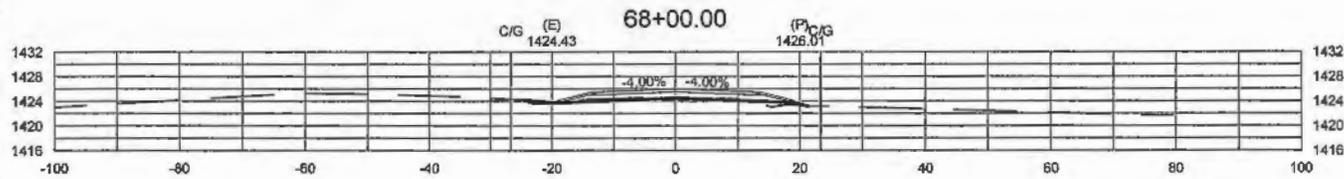
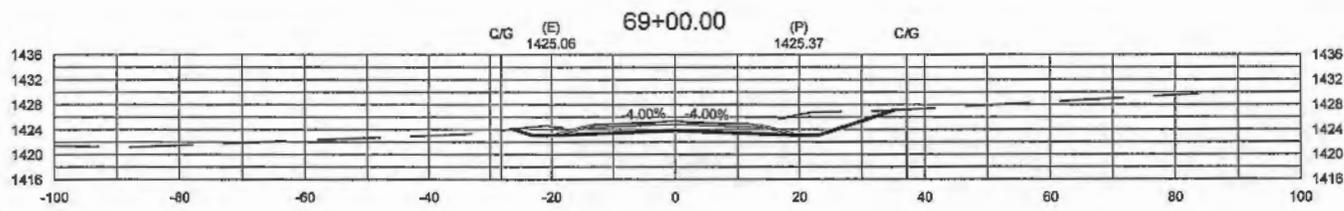
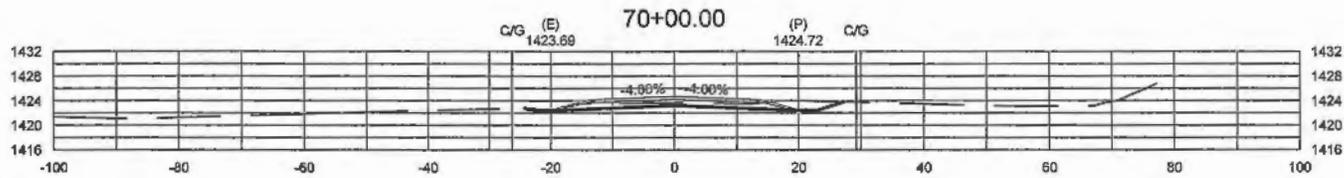
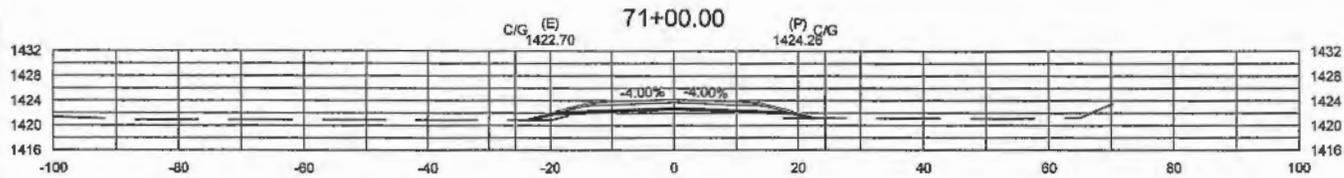
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