

SURVEY DATA
SEE SURVEY DATA ON SHEET NOS. S001
THROUGH S021 FOR COMPLETE INFORMATION.

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

OKLAHOMA DEPARTMENT OF TRANSPORTATION
**PRELIMINARY
PLAN REVIEW**
03/12/2021

I-35 DESIGN DATA

AADT 2020 = 28508
AADT 2045 = 40086
DHV (TWO WAY) = 4009
K (DHV/AADT-TWO WAY) = 10%
D (DIRECTIONAL DIST.) = 56%
T (% OF DHV) = 37%
T (% OF ADDT) = 37%
T₃ (% OF ADDT) = 34%
V = 70 MPH
20 YEAR FLEX. ESALS = 68.02M

SH-74 DESIGN DATA

AADT 2020 = 3382
AADT 2045 = 6934
DHV (TWO WAY) = 763
K (DHV/AADT-TWO WAY) = 11%
D (DIRECTIONAL DIST.) = 54%
T (% OF DHV) = 2%
T (% OF ADDT) = 2%
T₃ (% OF ADDT) = 1%
V = 45 MPH
20 YEAR FLEX. ESALS = 0.48M

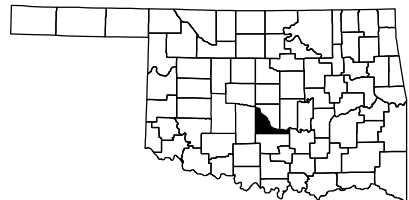
SCALES

0 1/2 1"

PLAN 1" = 50'
PROFILE HORIZONTAL 1" = 50'
PROFILE VERTICAL 1" = 5'
LAYOUT MAP 1" = 2,640'

CONVENTIONAL SYMBOLS

PROPOSED ROAD
RAILROADS
TOWNSHIP AND RANGE
SECTION LINES
QUARTER SECTION LINES
FENCES
GROUND LINE
EXISTING ROADS
BASE LINE
GRADE LINES
TELEPHONE AND TELEGRAPH
POWER LINES
BUILDINGS
OIL WELL
DRAINAGE STRUCTURES - IN PLACE
DRAINAGE STRUCTURES - NEW
RIGHT-OF-WAY LINES - EXISTING
RIGHT-OF-WAY LINES - NEW
CONTROLLED ACCESS
RIGHT-OF-WAY FENCE



LOCATION MAP
ODOT DISTRICT 3

BRIDGE 'A' - LOCATION NO. 4438 0175X - NBI NO. XXXXX (EXISTING NBI NO. 11034)
BRIDGE 'B' - LOCATION NO. 4405 1252WX - NBI NO. XXXXX (EXISTING NBI NO. 16941)
BRIDGE 'C' - LOCATION NO. 4405 1252EX - NBI NO. XXXXX (EXISTING NBI NO. 16940)

PLAN OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT NO. XXX-XXXX(XXX)

INTERCHANGE

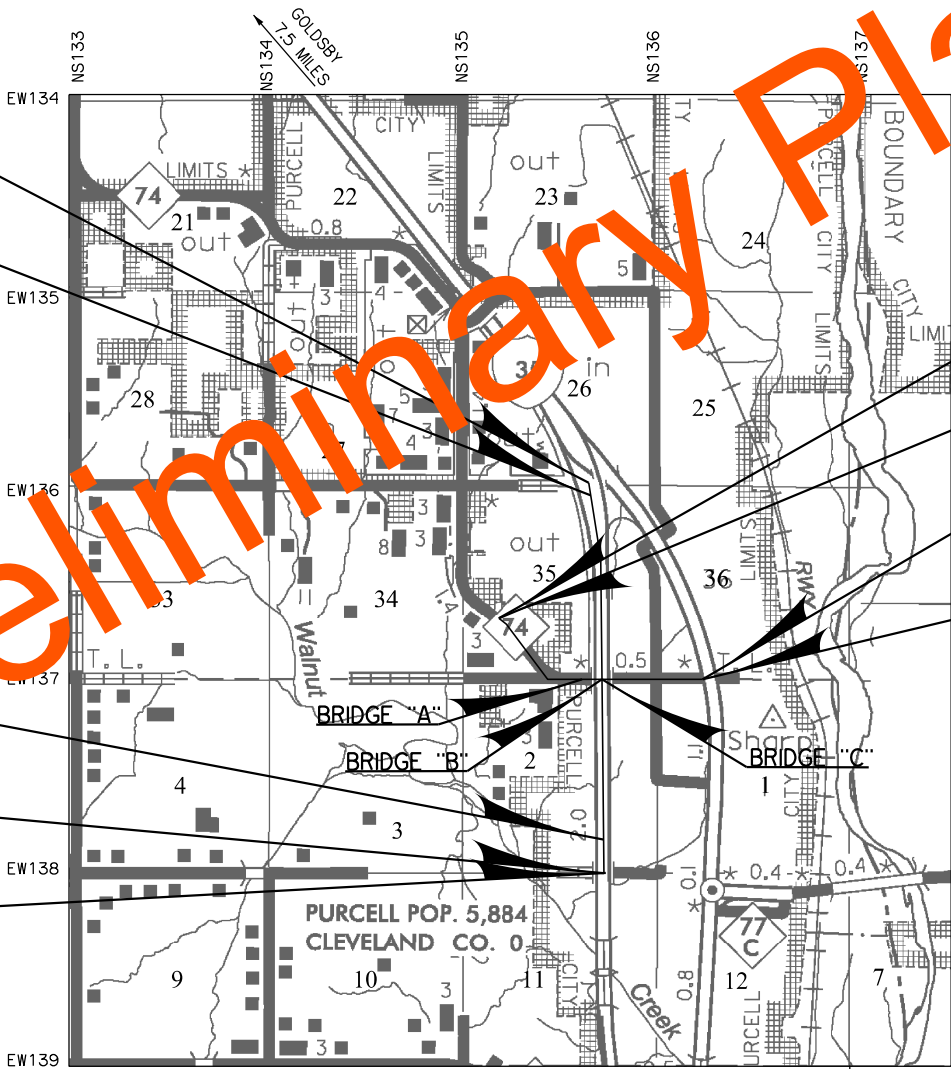
1-35 AND SH-74

McCLAIN COUNTY

I-35 CONTROL SECTION NO. 35-44-05

SH-74 CONTROL SECTION NO. 74-44-38

STATE JOB NO. 32802(04)



PROJECT LENGTH BASED ON I-35 CENTERLINE SURVEY

ROADWAY LENGTH 6,454.58 FT. 1.222 MILES
BRIDGE LENGTH 200.00 FT. 0.037 MILES
PROJECT LENGTH 1.259 MILES
EQUATIONS: NONE
EXCEPTIONS: NONE

PROJECT LENGTH BASED ON SH-74 CONSTRUCTION REFERENCE LINE

ROADWAY LENGTH 5,467.43 FT. 1.035 MILES
BRIDGE LENGTH 0.00 FT. 0.000 MILES
PROJECT LENGTH 1.035 MILES
EQUATIONS: NONE
EXCEPTIONS: NONE

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
0001	TITLE
0002-0015	TYPICAL SECTIONS
B001,B002	GENERAL PLAN AND PROFILE - BRIDGE 'A'
B003,B004	GENERAL PLAN AND ELEVATION - BRIDGE 'B'
B005,B006	GENERAL PLAN AND ELEVATION - BRIDGE 'C'
R001-R022	PLAN AND PROFILE
S001-S021	SURVEY DATA SHEET
X001-X116	CROSS SECTIONS

REQUIRED STANDARD DRAWINGS

ROADWAY	BRIDGE	TRAFFIC
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EST
Comprehensive Engineering Services

PREPARED BY: 615 N. HUDSON, STE. 300
EST, INC. OKLAHOMA CITY, OK 73102
C.A. NO. 3639 (405) 815-3600

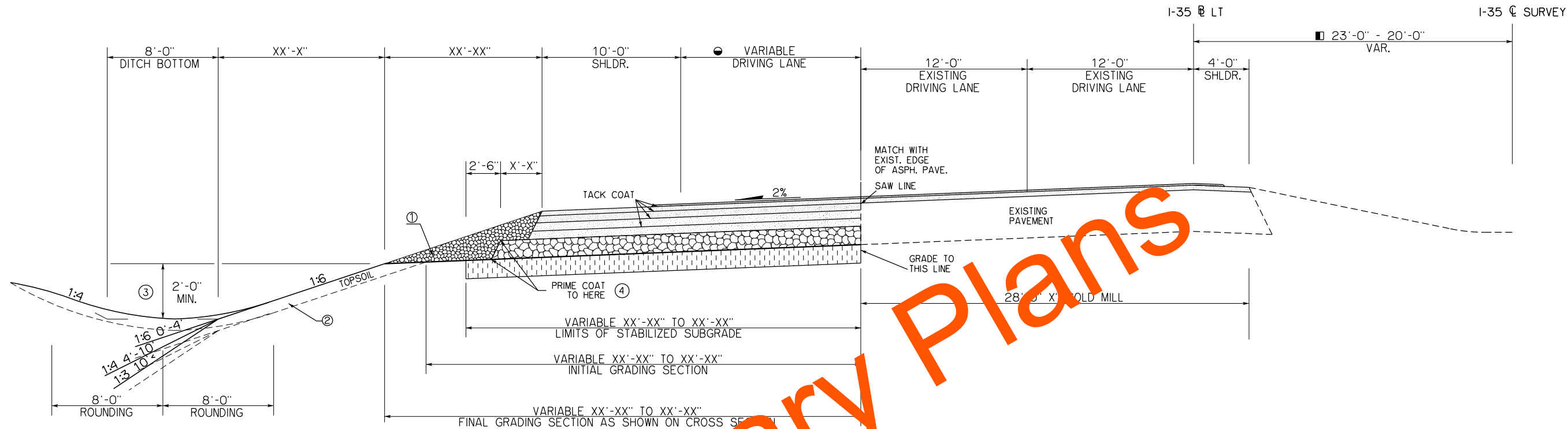
PAUL G. POYNTER, OKLA. REG NO. 19103 DATE
(SHEET NOS. 0001, B001-B006)

THIS DOCUMENT IS
PRELIMINARY IN
NATURE AND IS NOT
A FINAL, SIGNED
AND SEALED
DOCUMENT.

CASSIDY DOESCHER, OKLA. REG NO. 22540 DATE
(SHEET NOS. 0001-0015, R001-R022, X001-X116)

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AND SEALED
DOCUMENT.

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED:	DATE APPROVED:
BY: CHIEF ENGINEER	BY: DIVISION ADMINISTRATOR
SWO 32802(04) PROJECT NO. XXXXXX	SHEET NO. 0001



● 0'-0" TO 11'-1" STA. 2997+45.42 TO STA. 3004+59.20
10'-8" TO 0'-0" STA. 3053+37.20 TO STA. 3060+00.00

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	10'-0" TO 0'-0" DRIVE LANE	10'-0" & 4'-0" SHOULDERS
SURFACE COURSE	2" G.F.S.C. ON SHOULDERS COVERING ALL DRIVING LANES	
BASE C	X" SUPERPAVE TYPE S4 (PG 76-28 OK)	X" SUPERPAVE TYPE S4 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 76-28 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

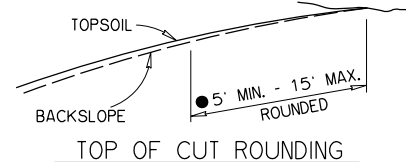
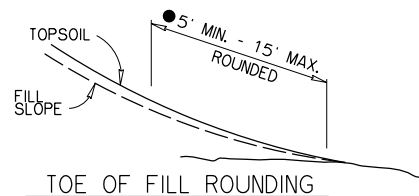
■ SHIFT EXISTING CROWN TO I-35 @ LT
WIDEN MEDIAN FROM 20'-0" TO 23'-0"
STA. 2997+45.42 TO STA. 2999+00.00
STA. 3059+00.00 TO STA. 3060+00.00

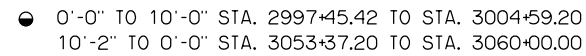
TYPICAL SECTION NO. 1
1-35 @ LT (WIDEN & OVERLAY)
STA. 2997+45.42 TO STA. 3004+59.20
STA. 3053+37.20 TO STA. 3060+00.00

- ① BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED AS TBSC.
- ② TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON THE COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM SALVAGED TOPSOIL, LUMP SUM.
- THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASSLINE BALANCE.
- ③ DISTANCE MEASURED VERTICALLY FROM THE EDGE OF FINISHED GRADE SHOULDER.
- ④ USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.

ROUNDING DETAIL

● INTERSECTION OF CUT AND/OR FILL SLOPES WITH GROUND LINE TO BE ROUNDED AS PART OF FINISHING OPERATIONS. ROUNDED SHALL BE 5' MINIMUM FOR SMALLER CUTS AND FILLS TO 15' MAXIMUM FOR LARGER CUTS AND FILLS OR AS DESIGNATED BY THE ENGINEER. COST OF ROUNDED TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS OF WORK.





PAVT. STRUCTURE		Pavement Requirement	
SURFACE COURSE		10'-0" TO 60'-0" DRIVE LANE	10'-0" & 4'-0" SHOULDERS
BASE COURSE	1" G.F.S.C.M.	ON SHOULDERS COVERING ALL DRIVING LANES	
	X" SUPERPAVE TYPE S4 (PG 76-28 OK)	X" SUPERPAVE TYPE S4 (PG 64-22 OK)	
	X" SUPERPAVE TYPE S3 (PG 76-28 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	

SHIFT EXISTING CROWN TO 1-35 @ RT
WIDEN MEDIAN FROM 20'-0" TO 23'-0"
STA. 2997+45.42 TO STA. 2999+00.00
STA. 3059+00.00 TO STA. 3059+69.40

TYPICAL SECTION NO. 2
1-35 RT (WIDEN & OVERLAY)
STA. 2997+45.42 TO STA. 3004+59.20
STA. 3053+37.20 TO STA. 3059+69.40

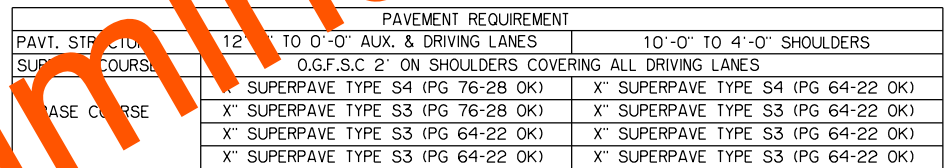
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I-35 & US-74 INTERCHANGE

McCLAIN COUNTY

TYPICAL SECTION
(SHEET 2 OF 14)

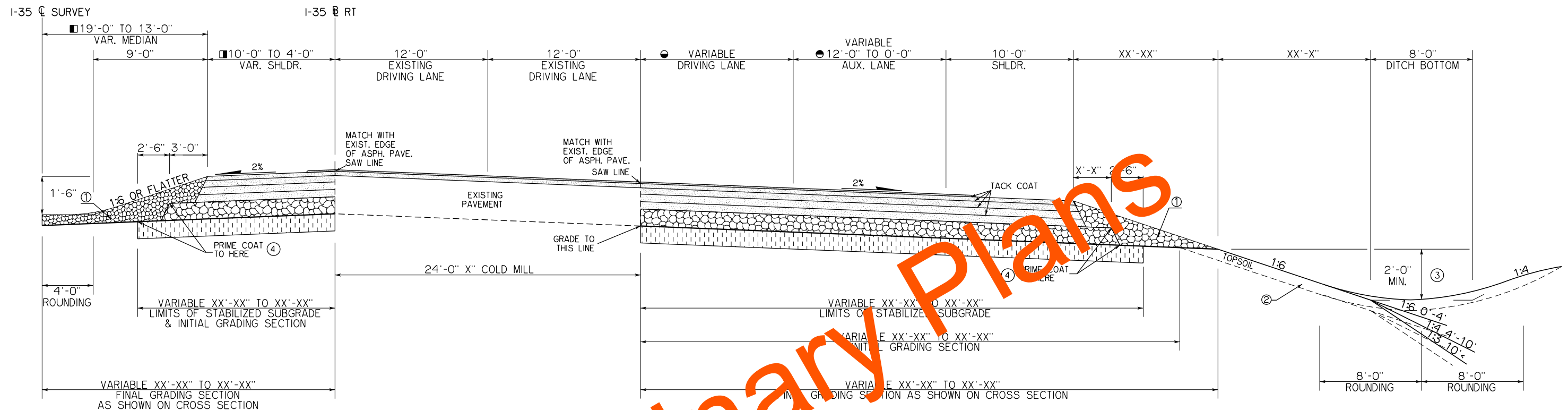


TYPICAL SECTION NO. 3
1-35 @ LT (WIDEN & OVERLAY)
STA. 3004+59.20 TO STA. 3013+00.00
STA. 3047+00.00 TO STA. 3053+37.20

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TYPICAL SECTION
(SHEET 3 OF 14)



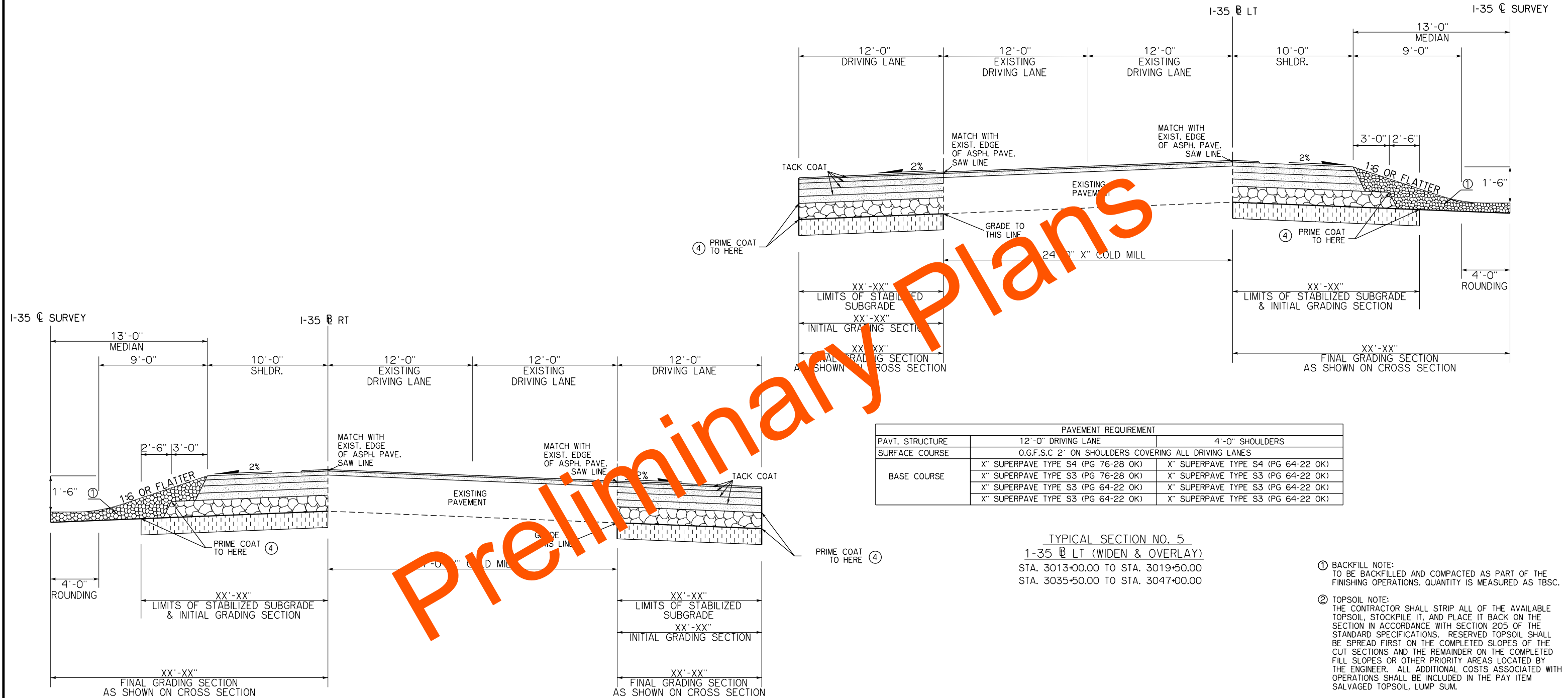
■ 4'-0" TO 10'-0"	STA. 3004+59.20 TO STA. 3007+40.00
10'-0" TO 10'-0"	STA. 3007+40.00 TO STA. 3011+00.00
10'-0" TO 10'-0"	STA. 3042+00.00 TO STA. 3050+01.56
10'-0" TO 4'-0"	STA. 3050+01.56 TO STA. 3053+37.20
■ 19'-0" TO 13'-0"	STA. 3004+59.20 TO STA. 3007+40.00
13'-0" TO 13'-0"	STA. 3007+40.00 TO STA. 3011+00.00
13'-0" TO 13'-0"	STA. 3042+00.00 TO STA. 3050+01.56
13'-0" TO 19'-0"	STA. 3050+01.56 TO STA. 3053+37.20

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 0'-0" AUX. & DRIVING LANES	10'-0" TO 4'-0" SHOULDERS
SURFACE COURSE	O.G.F.S.C 2" ON SHOULDERS COVERING ALL DRIVING LANES	
BASE COURSE	X" SUPERPAVE TYPE S4 (PG 76-28 OK)	X" SUPERPAVE TYPE S4 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 76-28 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 4
1-35 B RT (WIDEN & OVERLAY)
STA. 3004+59.20 TO STA. 3011+00.00
STA. 3042+00.00 TO STA. 3053+37.20

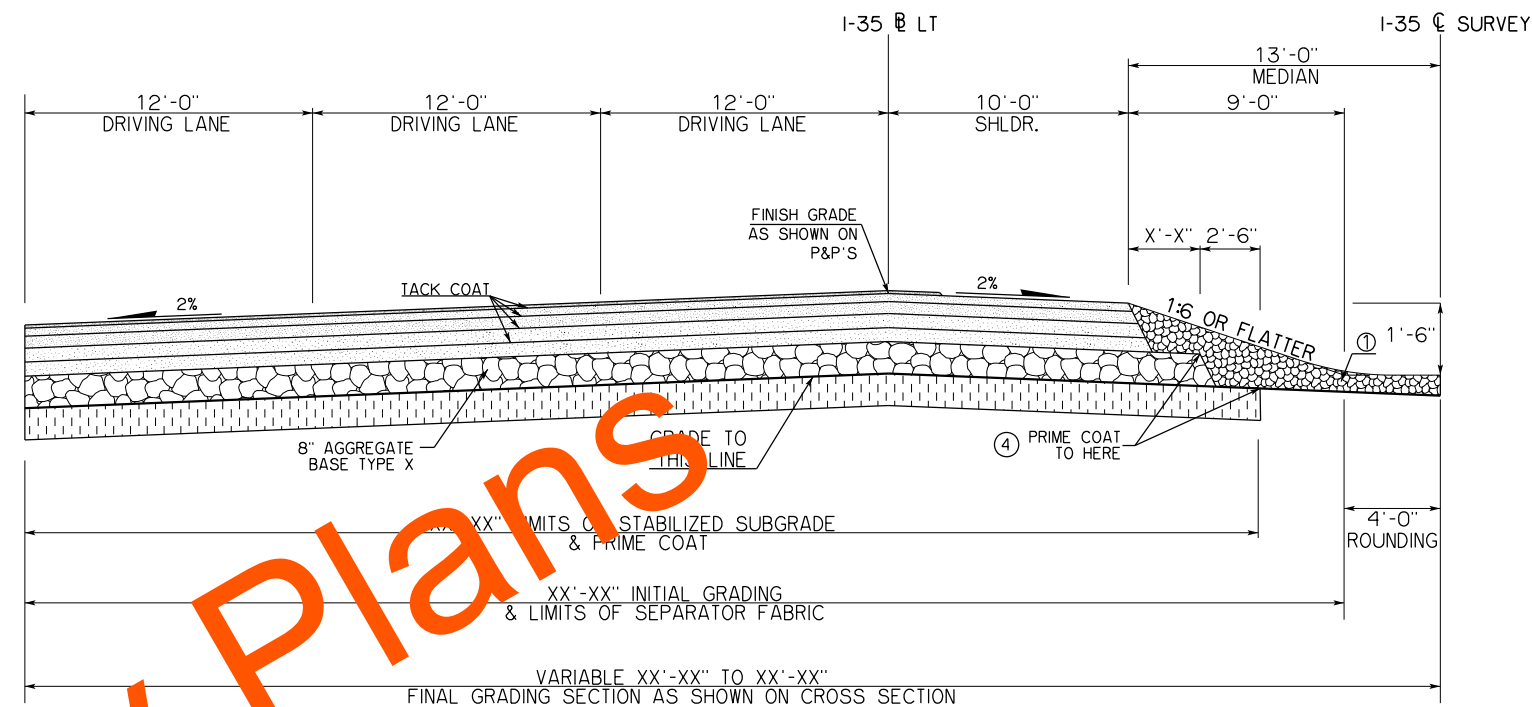
● 10'-0" TO 12'-0"	STA. 3004+59.20 TO STA. 3007+40.00
12'-0" TO 12'-0"	STA. 3007+40.00 TO STA. 3011+00.00
12'-0" TO 12'-0"	STA. 3047+04.35 TO STA. 3050+01.56
12'-0" TO 10'-2"	STA. 3050+01.56 TO STA. 3053+37.20
● 0'-0" TO 0'-0"	STA. 3004+59.20 TO STA. 3008+00.00
0'-0" TO 12'-0"	STA. 3008+00.00 TO STA. 3011+00.00
12'-0" TO 0'-0"	STA. 3042+00.00 TO STA. 3045+00.00
0'-0" TO 0'-0"	STA. 3045+00.00 TO STA. 3053+37.20

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PRELIMINARY
PLAN REVIEW

03/12/2021

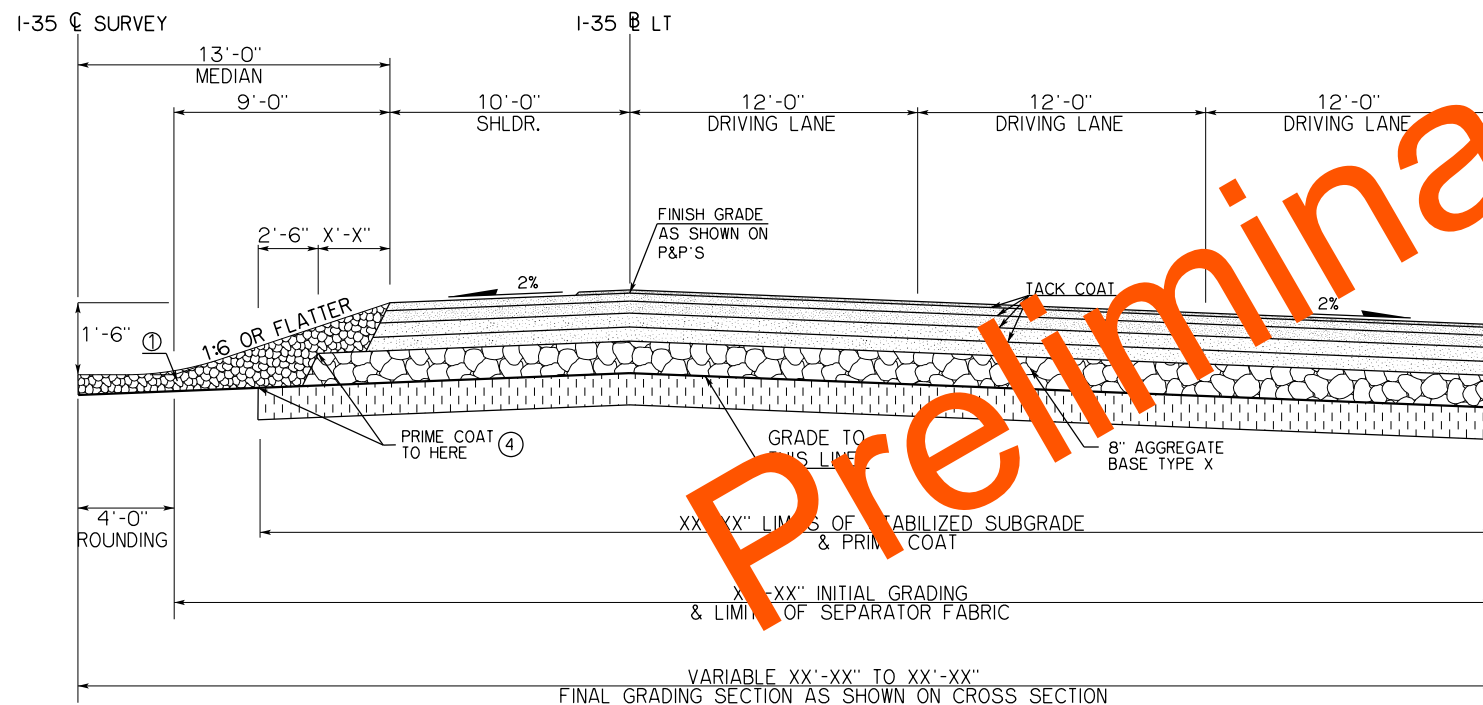


PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" DRIVING LANES	10'-0" SHOULDERS
SURFACE COURSE	O.G.F.S.C 2" ON SHOULDERS COVERING ALL DRIVING LANES	
BASE COURSE	X" SUPERPAVE TYPE S4 (PG 76-28 OK)	X" SUPERPAVE TYPE S4 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 76-28 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 7

1-35 B LT

STA. 3019+50.00 TO STA. 3020+15.19



PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" DRIVING LANES	10'-0" SHOULDERS
SURFACE COURSE	O.G.F.S.C 2" ON SHOULDERS COVERING ALL DRIVING LANES	
BASE COURSE	X" SUPERPAVE TYPE S4 (PG 76-28 OK)	X" SUPERPAVE TYPE S4 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 76-28 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 8

1-35 B RT

STA. 3019+50.00 TO STA. 3022+17.54

STA. 3034+65.34 TO STA. 3035+50.00

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SECTION IN ACCORDANCE WITH SECTION 205 OF THE
STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL
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CUT SECTIONS AND THE REMAINDER ON THE COMPLETED
FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY
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OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM
SALVAGED TOPSOIL, LUMP SUM.

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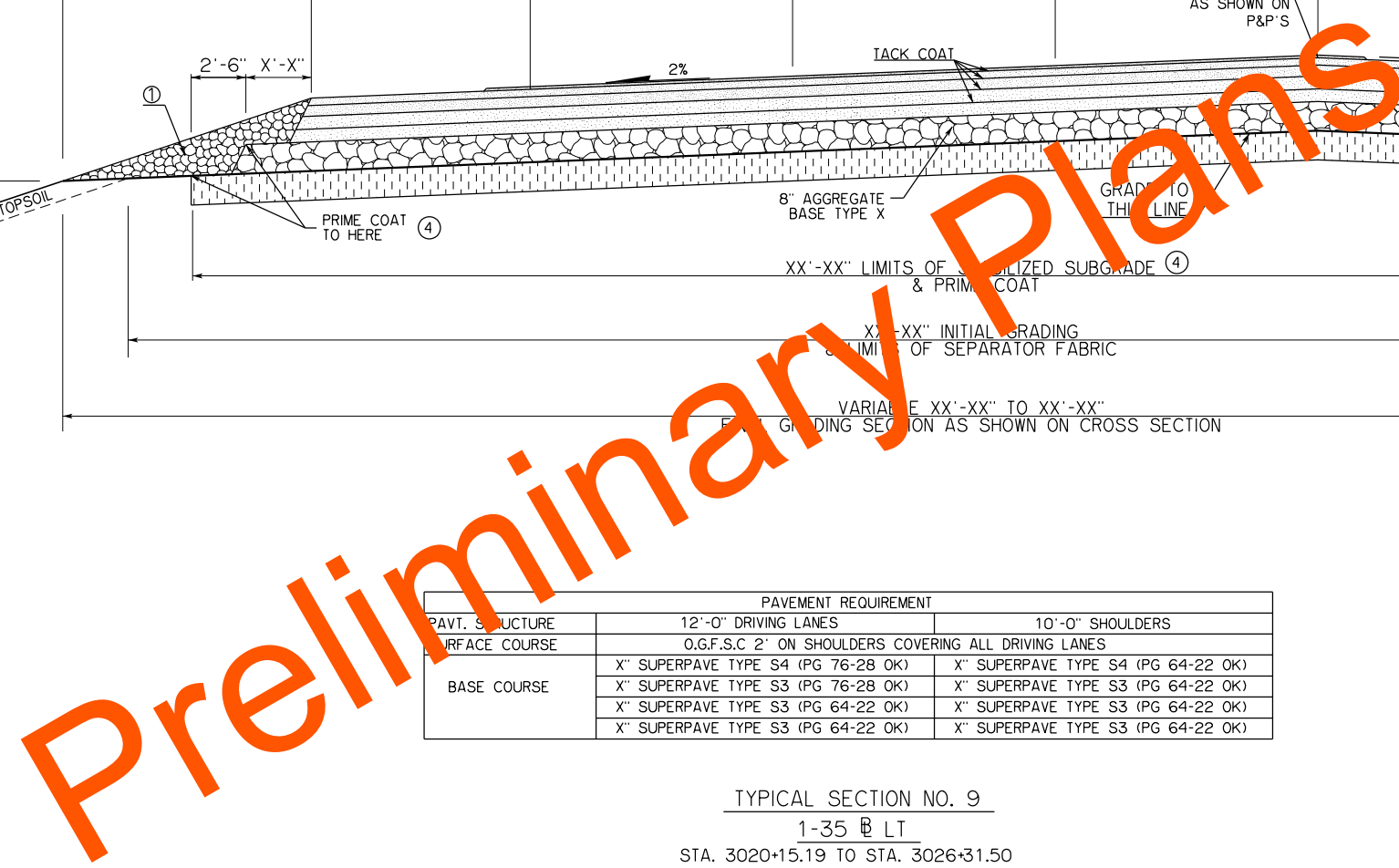
(3) DISTANCE MEASURED VERTICALLY FROM THE EDGE OF
FINISHED GRADE SHOULDER.

(4) USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.

I-35 & US-74 INTERCHANGE

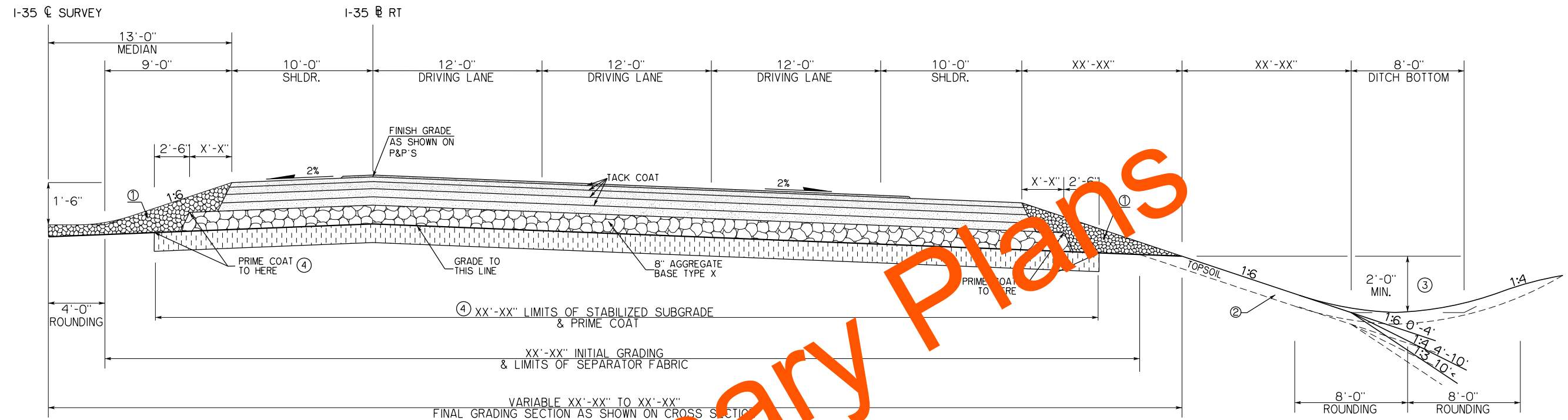
MCCLAIN COUNTY

TYPICAL SECTION
(SHEET 6 OF 14)



TYPICAL SECTION NO. 9
1-35 @ LT
STA. 3020+15.19 TO STA. 3026+31.50
STA. 3028+91.50 TO STA. 3035+50.00

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PAVEMENT REQUIREMENT		
PAV. STRUCTURE	12'-0" DRIVING LANES	10'-0" SHOULDERS
SURFACE COURSE	O.G.F.S.C 2" ON SHOULDERS COVERING ALL DRIVING LANES	
BASE COURSE	X" SUPERPAVE TYPE S4 (PG 76-28 OK)	X" SUPERPAVE TYPE S4 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 76-28 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 10

1-35 RT

STA. 3020+15.19 TO STA. 3026+31.50
STA. 3028+91.50 TO STA. 3035+50.00

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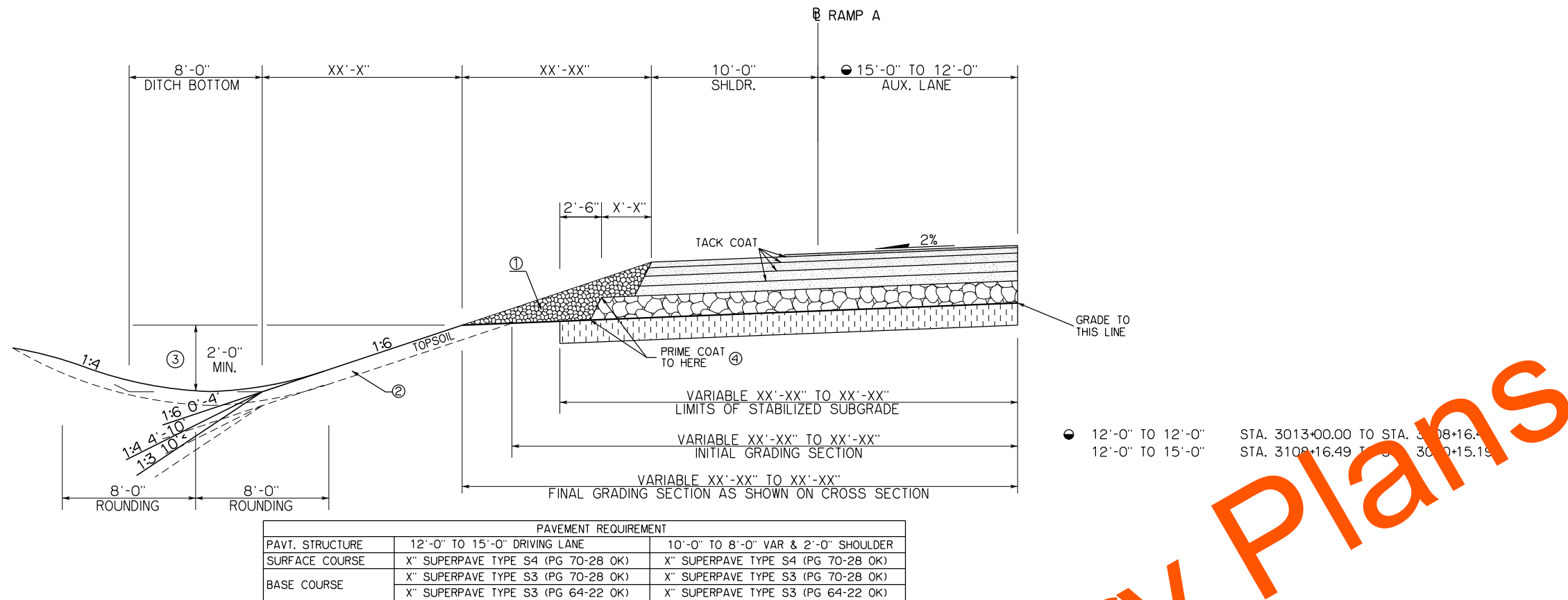
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④ USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.

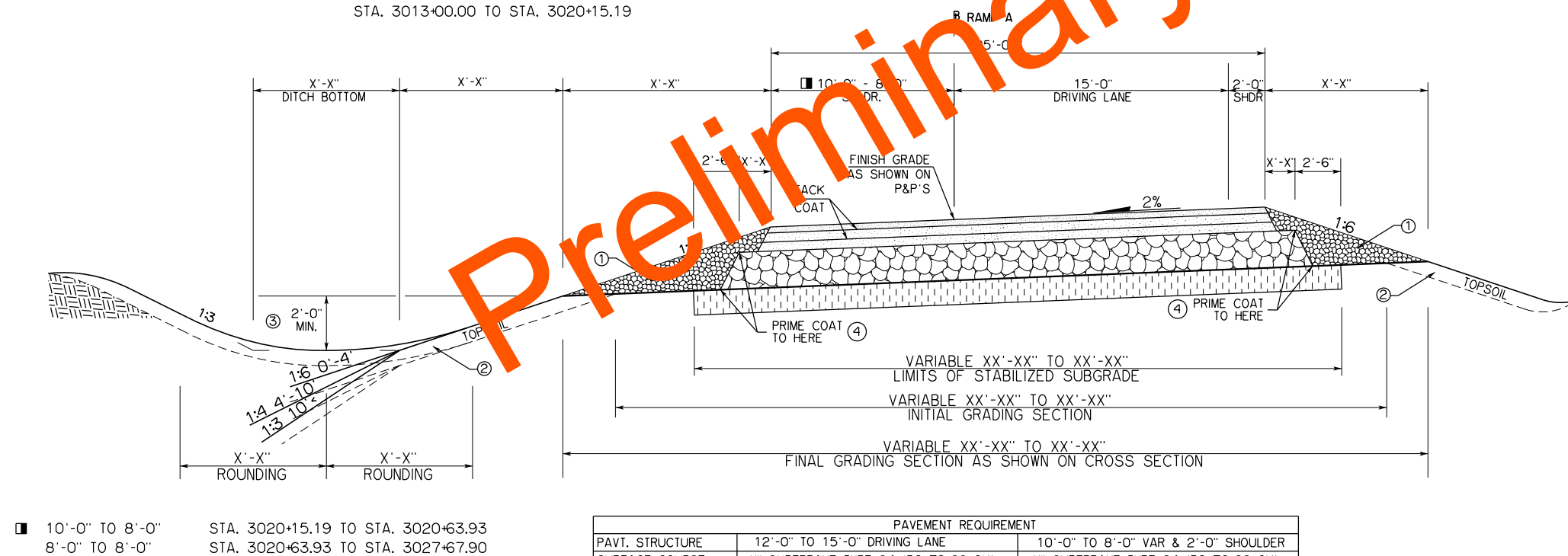
I-35 & US-74 INTERCHANGE

McCLAIN COUNTY

TYPICAL SECTION
(SHEET 8 OF 14)

TYPICAL SECTION NO. 11
RAMP A

STA. 3013+00.00 TO STA. 3020+15.19

TYPICAL SECTION NO. 12
RAMP A

STA. 3020+15.19 TO STA. 3027+67.90

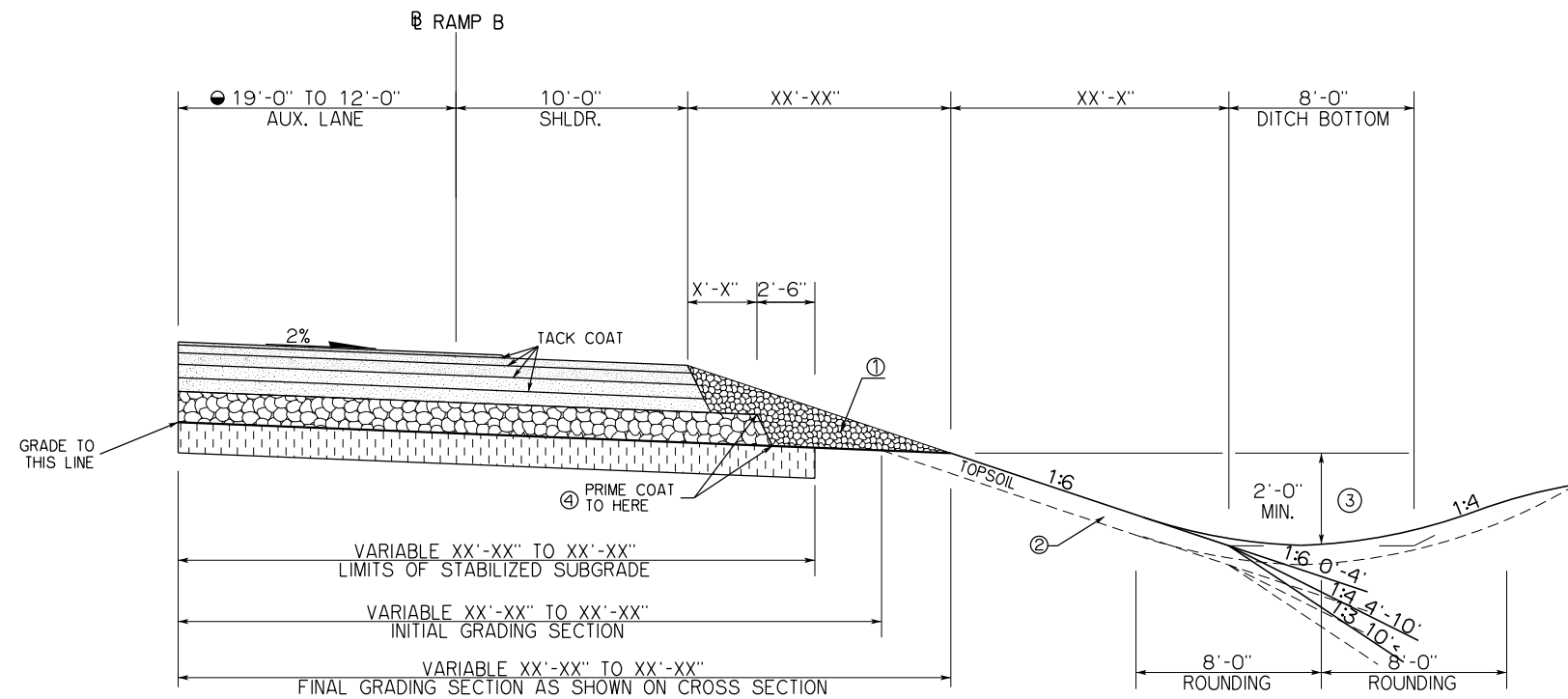
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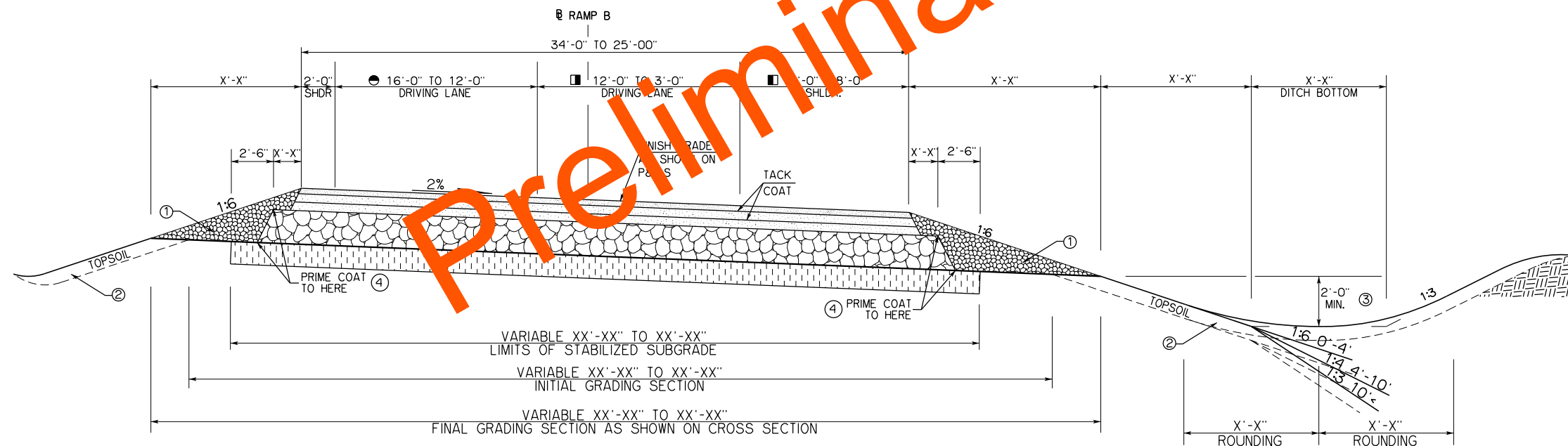
④ USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.



PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 19'-0" DRIVING LANE	10'-0" TO 8'-0" VAR & 2'-0" SHOULDER
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 13
RAMP B

STA. 3011+00.00 TO STA. 3022+17.54

● 12'-0" TO 12'-0" STA. 3011+00.00 TO STA. 3019+50.06
12'-0" TO 19'-0" STA. 3019+50.06 TO STA. 3022+17.54● 16'-0" TO 12'-0" STA. 3022+17.54 TO STA. 3023+58.38
12'-0" TO 12'-0" STA. 3023+58.38 TO STA. 3027+50.06■ 3'-0" TO 3'-0" STA. 3022+17.54 TO STA. 3023+74.22
3'-0" TO 12'-0" STA. 3023+74.22 TO STA. 3025+09.48
12'-0" TO 12'-0" STA. 3029+09.48 TO STA. 3027+50.06

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 15'-0" DRIVING LANES	10'-0" TO 8'-0" VAR & 2'-0" SHOULDER
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 14
RAMP B

STA. 3022+17.54 TO STA. 3027+50.06

■ 10'-0" TO 8'-0" STA. 3022+17.54 TO STA. 3023+15.69
8'-0" TO 8'-0" STA. 3023+15.69 TO STA. 3027+50.06① BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED AS TBSC.② TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON THE COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM SALVAGED TOPSOIL, LUMP SUM.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASSLINE BALANCE.

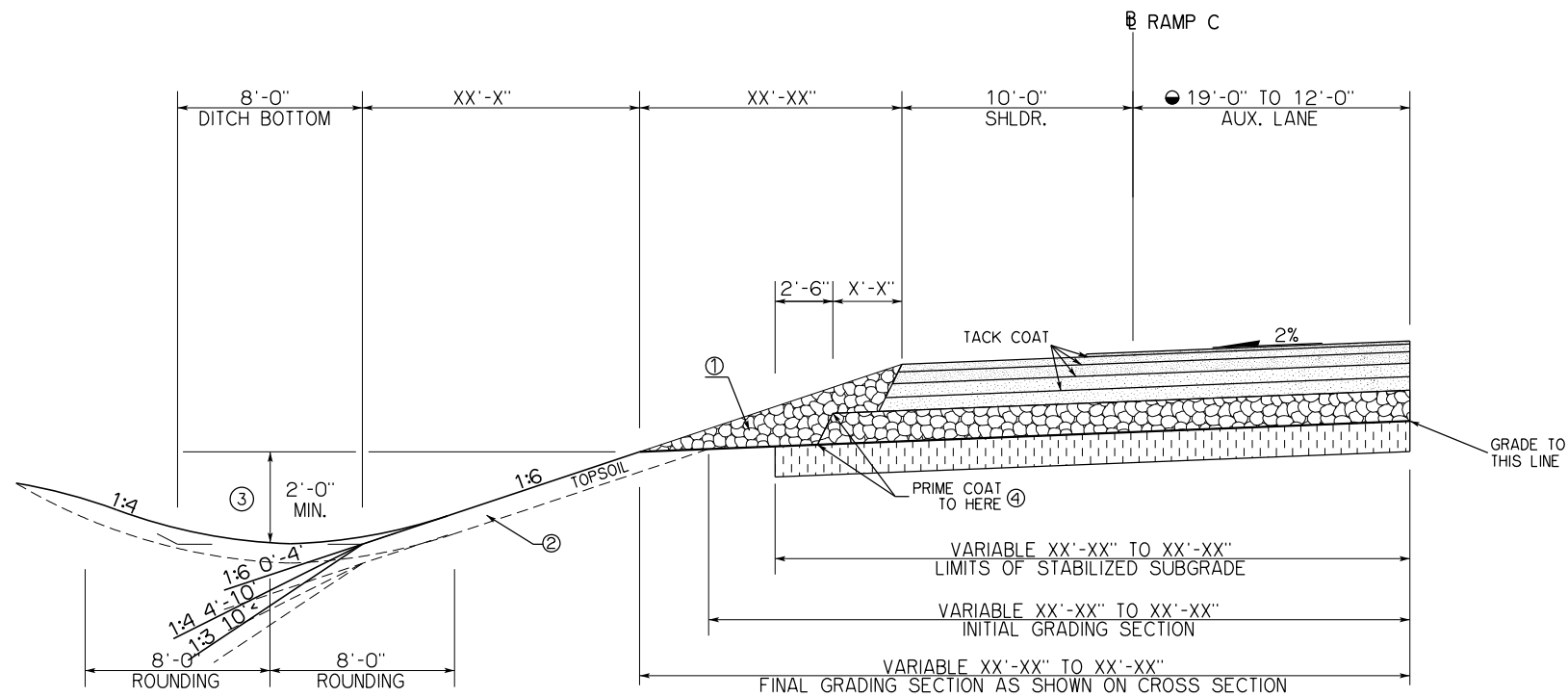
③ DISTANCE MEASURED VERTICALLY FROM THE EDGE OF FINISHED GRADE SHOULDER.

④ USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.

I-35 & US-74 INTERCHANGE

McCLAIN COUNTY

TYPICAL SECTION
(SHEET 10 OF 14)



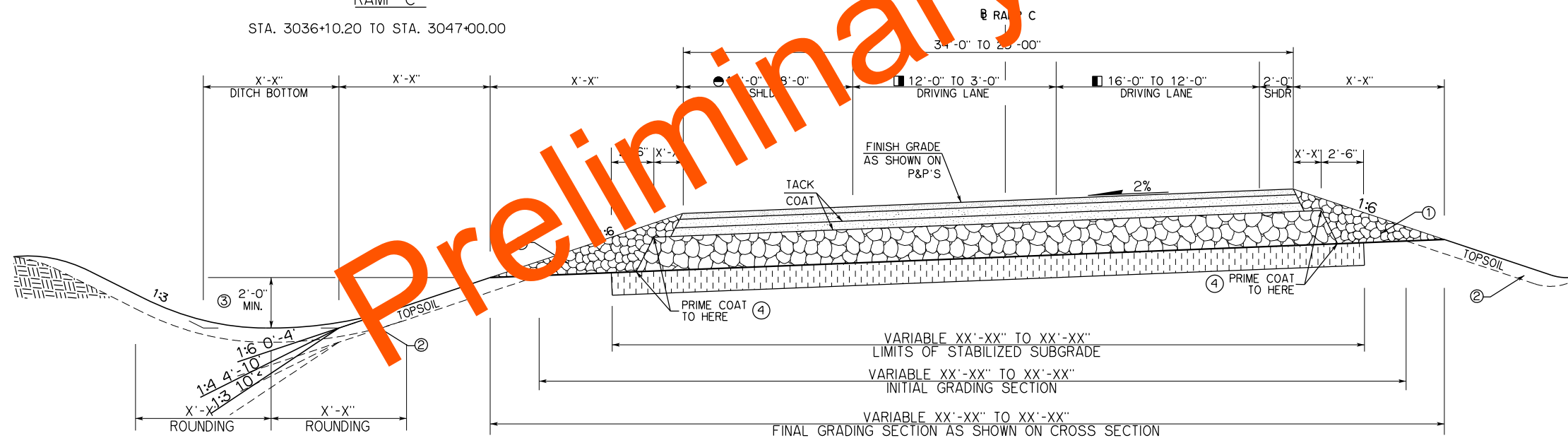
PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 19'-0" DRIVING LANE	10'-0" TO 8'-0" VAR & 2'-0" SHOULDER
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)

TYPICAL SECTION NO. 15

RAMP C

STA. 3036+10.20 TO STA. 3047+00.00

● 19'-0" TO 12'-0" STA. 3036+10.20 TO STA. 3038+62.83
12'-0" TO 12'-0" STA. 3038+62.83 TO STA. 3047+00.00



● 8'-0" TO 8'-0" STA. 3027+58.16 TO STA. 3035+12.13
8'-0" TO 10'-0" STA. 3035+12.13 TO STA. 3036+10.20

■ 12'-0" TO 12'-0" STA. 3027+58.16 TO STA. 3031+55.55
12'-0" TO 3'-0" STA. 3031+55.55 TO STA. 3032+90.55
3'-0" TO 3'-0" STA. 3032+90.55 TO STA. 3036+10.20

■ 12'-0" TO 12'-0" STA. 3027+58.16 TO STA. 3035+12.23
12'-0" TO 16'-0" STA. 3035+12.23 TO STA. 3036+10.20

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 15'-0" DRIVING LANES	10'-0" TO 8'-0" VAR & 2'-0" SHOULDER
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)

TYPICAL SECTION NO. 16

RAMP C

STA. 3027+58.16 TO STA. 3036+10.20

① BACKFILL NOTE:
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② TOPSOIL NOTE:
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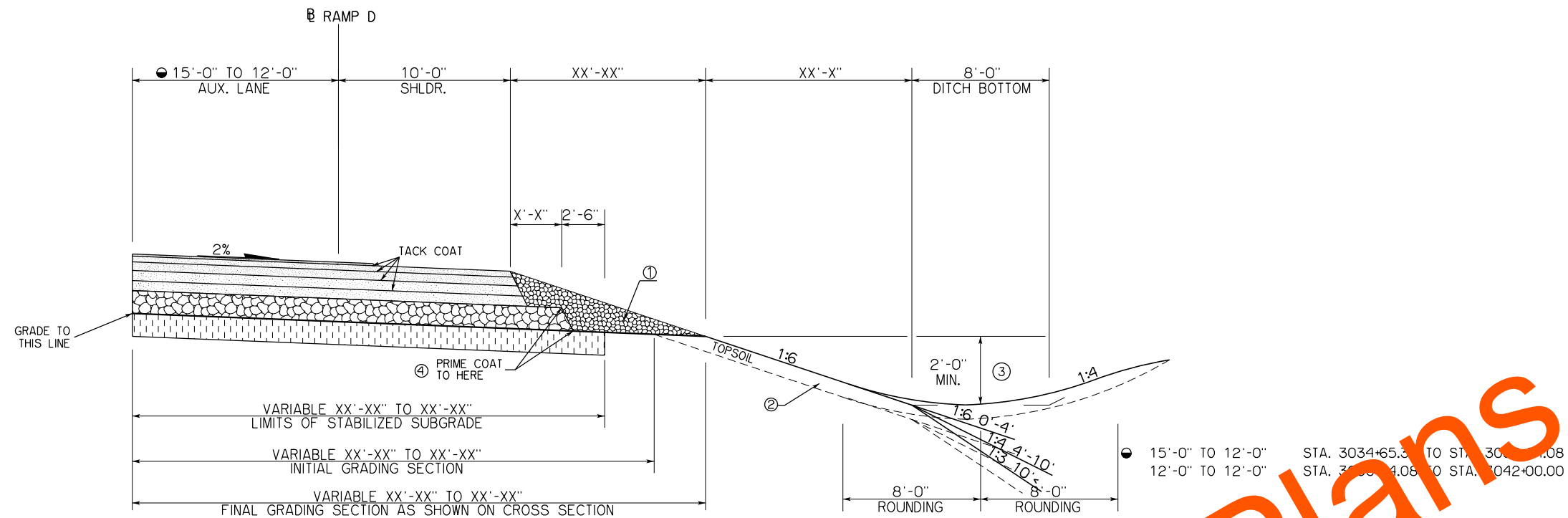
③ DISTANCE MEASURED VERTICALLY FROM THE EDGE OF FINISHED GRADE SHOULDER.

④ USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.

I-35 & US-74 INTERCHANGE

McCLAIN COUNTY

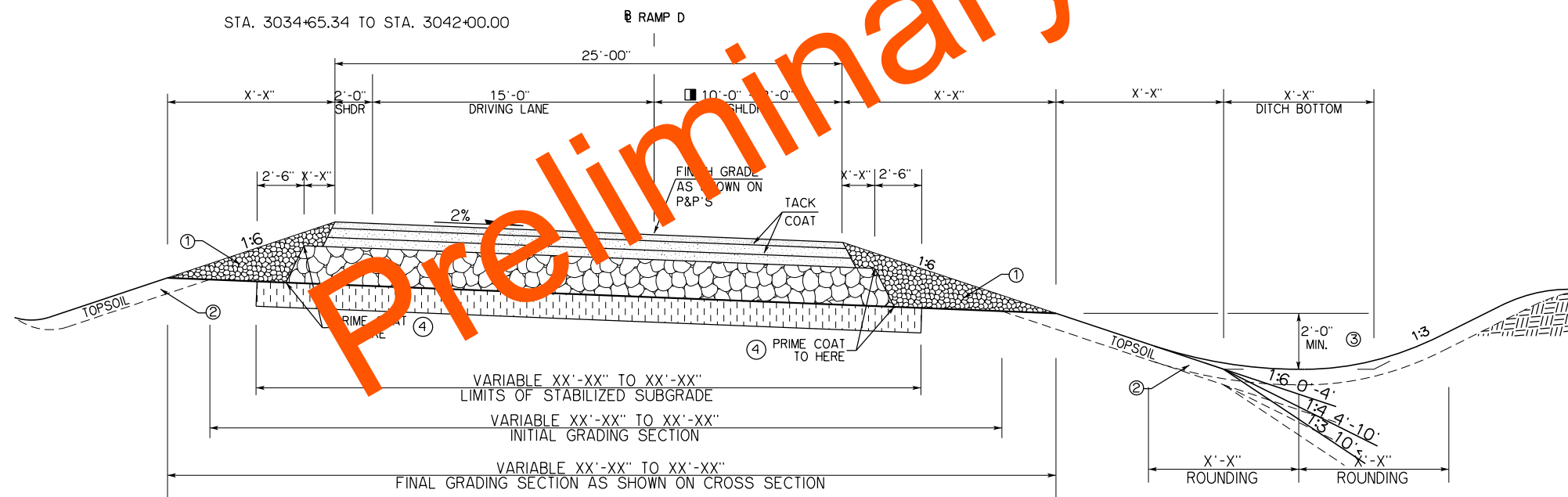
TYPICAL SECTION
(SHEET 11 OF 14)



PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 15'-0" DRIVING LANE	10'-0" TO 8'-0" VAR & 2'-0" SHOULDER
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 17
RAMP D

STA. 3034+65.34 TO STA. 3042+00.00



8'-0" TO 8'-0"
8'-0" TO 10'-0"

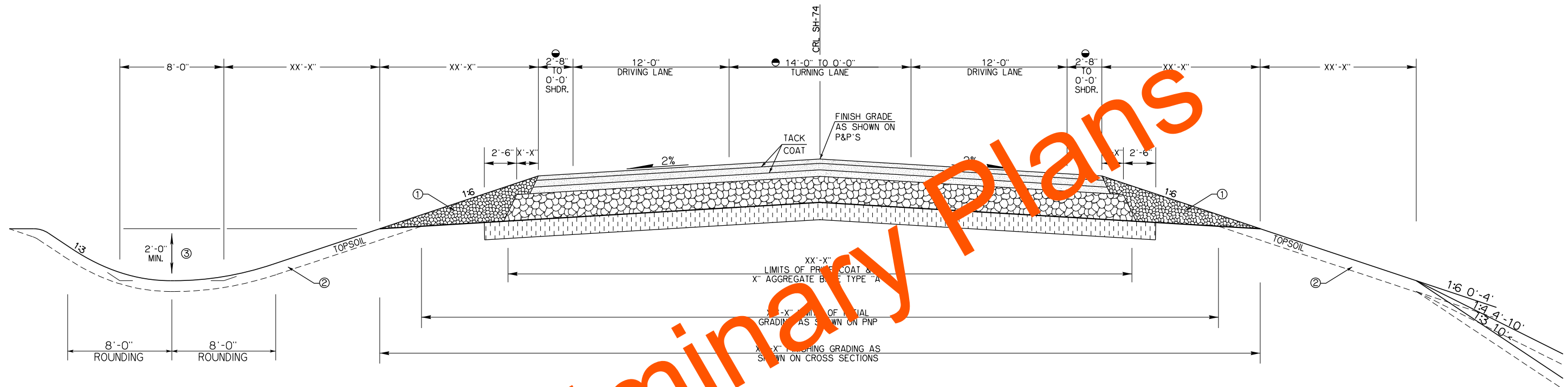
STA. 3027+72.20 TO STA. 3034+16.17
STA. 3034+16.17 TO STA. 3034+65.34

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" TO 15'-0" DRIVING LANE	10'-0" TO 8'-0" VAR & 2'-0" SHOULDER
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 18
RAMP D

STA. 3027+72.20 TO STA. 3034+65.34

- ① BACKFILL NOTE:
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- ② TOPSOIL NOTE:
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- THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASSLINE BALANCE.
- ③ DISTANCE MEASURED VERTICALLY FROM THE EDGE OF FINISHED GRADE SHOULDER.
- ④ USE PRIME COAT ON TOP AND BELOW AGGREGATE BASE.

TYPICAL NO. 19
SH-74

STA. 983+00.00 TO STA. 986+15.00

X" PAVT. STRUCTURE	PAVEMENT REQUIREMENT	
	14'-0" TURNING LANES	12'-0" DRIVING LANES
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

● 0'-0" TO 2'-8" STA. 983+00.00 TO STA. 984+00.00
 ● 2'-8" TO 2'-8" STA. 984+00.00 TO STA. 986+15.00

● 0'-0" TO 14'-0" STA. 983+00.00 TO STA. 986+15.00

① BACKFILL NOTE:
 TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED AS TBSC.

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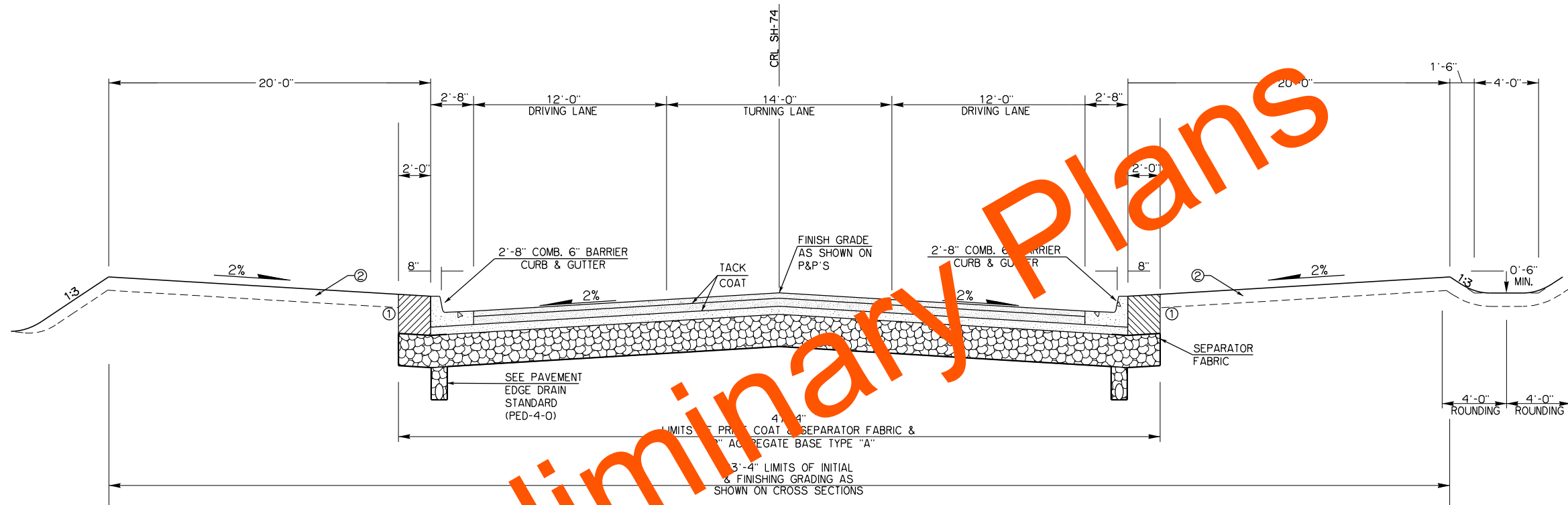
I-35 & US-74 INTERCHANGE

McCLAIN COUNTY

TYPICAL SECTION
(SHEET 13 OF 14)

STATE JOB NO. 32802(04)

SHEET NO. Q014

TYPICAL NO. 20
SH-74

STA. 986+15.00 TO STA. 1037+67.43

PAVEMENT REQUIREMENT		
X" PAVT. STRUCTURE	12'-0" DRIVING LANES	14'-0" TURNING LANE
SURFACE COURSE	X" SUPERPAVE TYPE S4 (PG 70-28 OK)	X" SUPERPAVE TYPE S4 (PG 70-28 OK)
BASE COURSE	X" SUPERPAVE TYPE S3 (PG 70-28 OK)	X" SUPERPAVE TYPE S3 (PG 70-28 OK)
	X" SUPERPAVE TYPE S3 (PG 64-22 OK)	X" SUPERPAVE TYPE S3 (PG 64-22 OK)

① BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED AS TBSC.

② TOPSOIL NOTE:
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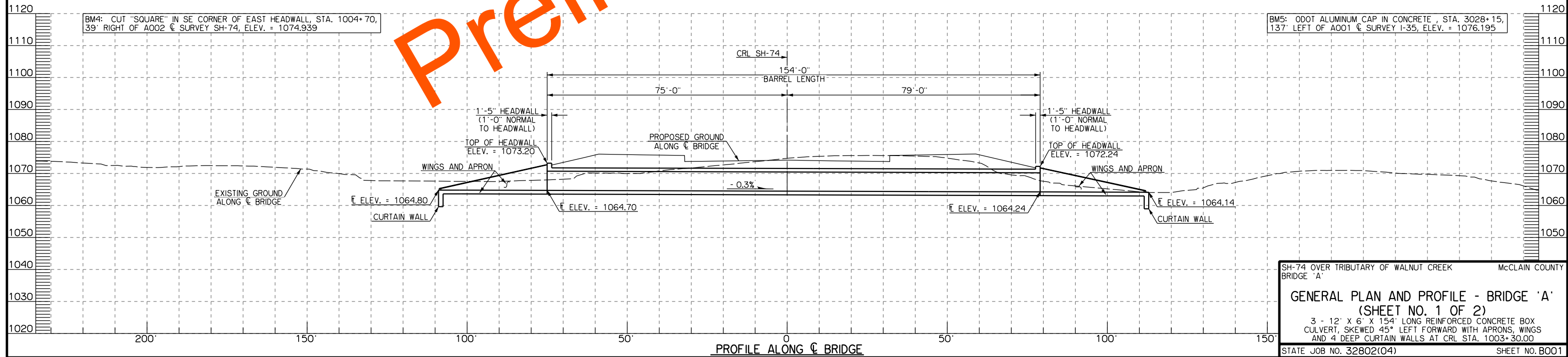
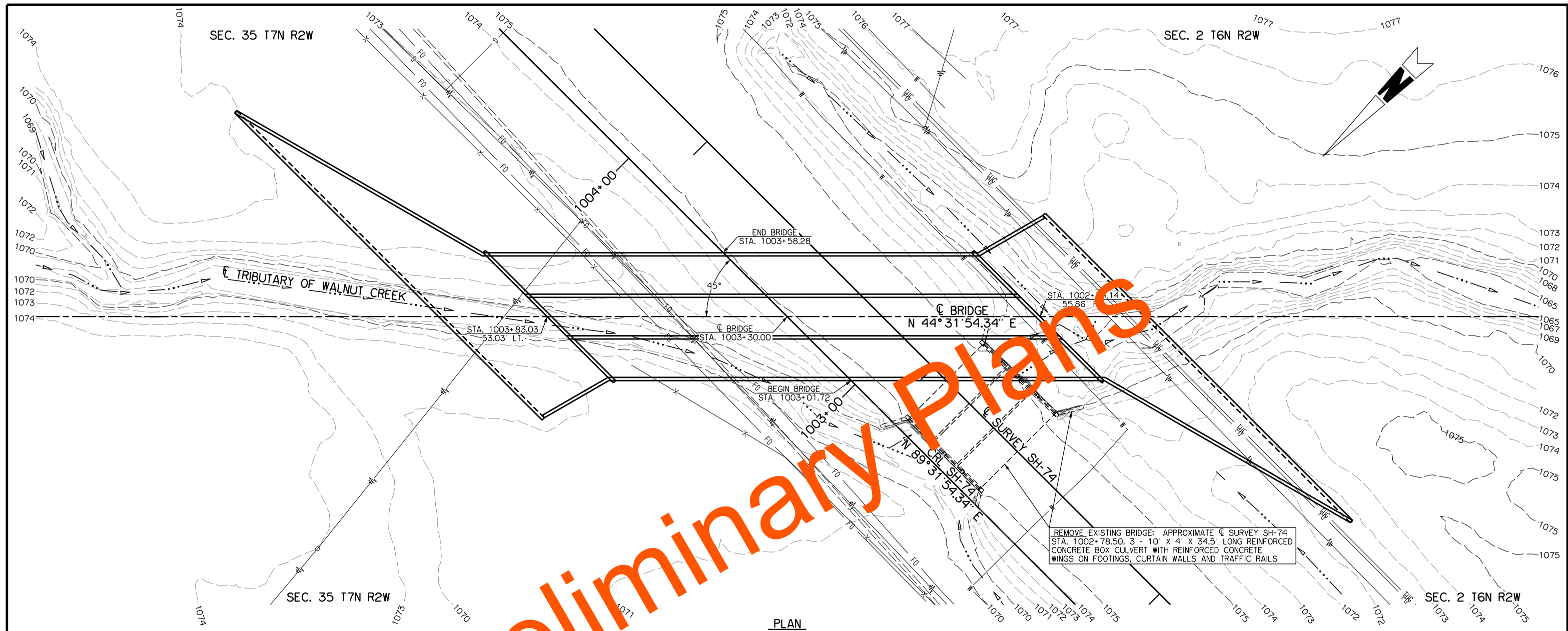
I-35 & US-74 INTERCHANGE

McCLAIN COUNTY

TYPICAL SECTION
(SHEET 14 OF 14)

STATE JOB NO. 32802(04)

SHEET NO. 0015



Preliminary Plans

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
AB01, AB02	NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGES)
BO01, BO02	GENERAL PLAN AND PROFILE - BRIDGE 'A'

UTILITIES

TELEPHONE:
WINDSTREAM COMM. OKLA. CITY, OK. - (405) 228-5230
C.T.S.I. STILLWATER, OK. - (800) 927-2027
TRACE FIBER INC. TULSA, OK. - (800) 778-9140
LEVEL 3 COMM. BROOMFIELD, CO. - (800) 778-9140

ELECTRIC:
CITY OF PURCELL - (405) 527-6561

GAS AND PETROLEUM PIPELINES:
ONG OK WEST - (800) 664-5463

DESIGN DATA

MATERIALS: CLASS AA CONCRETE, f'c = 4 KSI
REINFORCING STEEL, fy = 60 KSI

LOADING: HL-93 AND OKLAHOMA OVERLOAD TRUCK

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

HL-93 INVENTORY RATING FACTOR: 1.00
HL-93 OPERATING RATING FACTOR: 1.30

SUMMARY OF QUANTITIES - BRIDGE 'A'		
ITEM	UNIT	TOTAL
UNCLASSIFIED EXCAVATION	CY	x,xxx.00
STRUCTURAL EXCAVATION UNCLASSIFIED	CY	xxx.00
CLASS AA CONCRETE	CY	xxx.00
REINFORCING STEEL	LB	xx,xxx.00

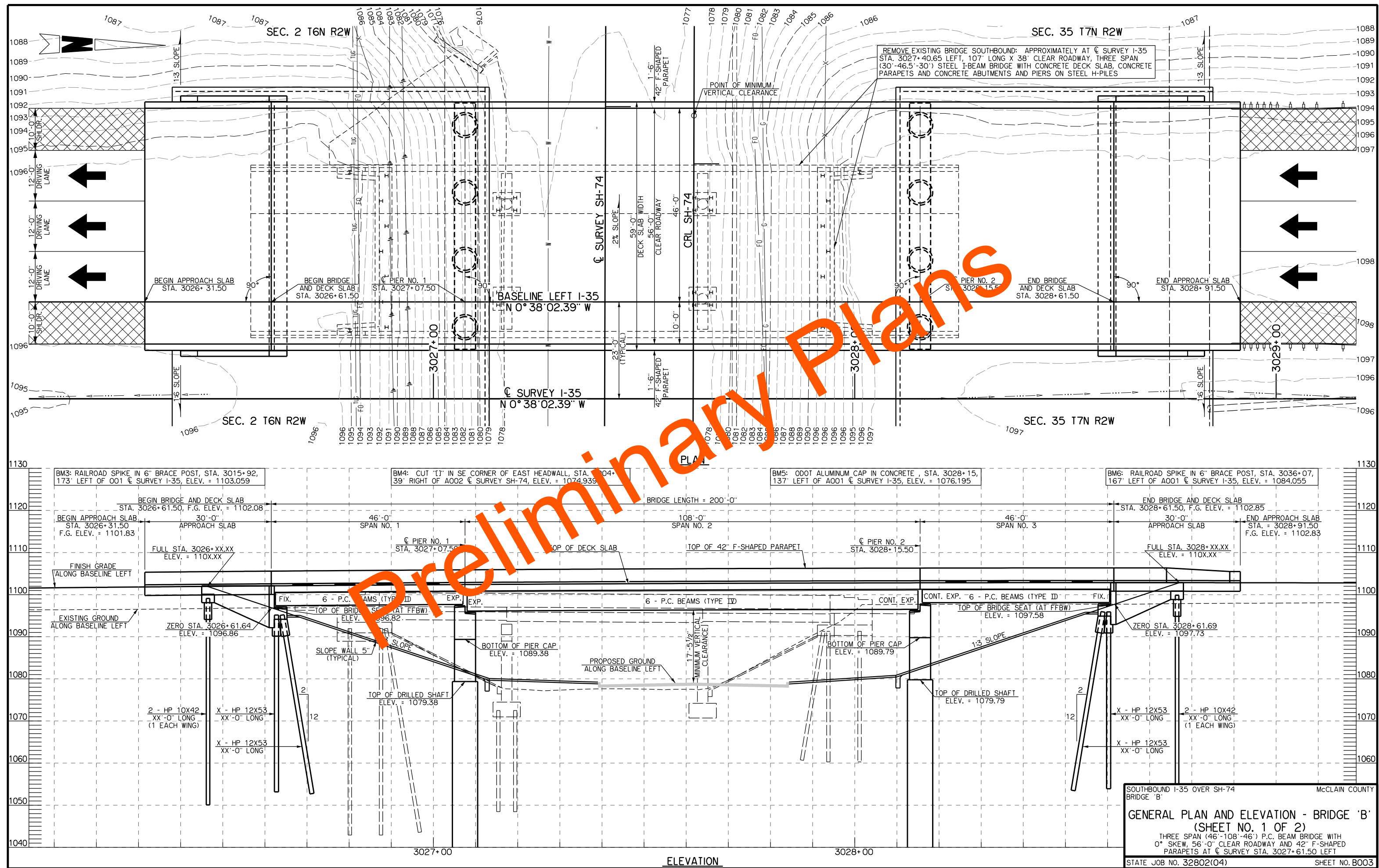
SH-74 OVER TRIBUTARY OF WALNUT CREEK
BRIDGE 'A'

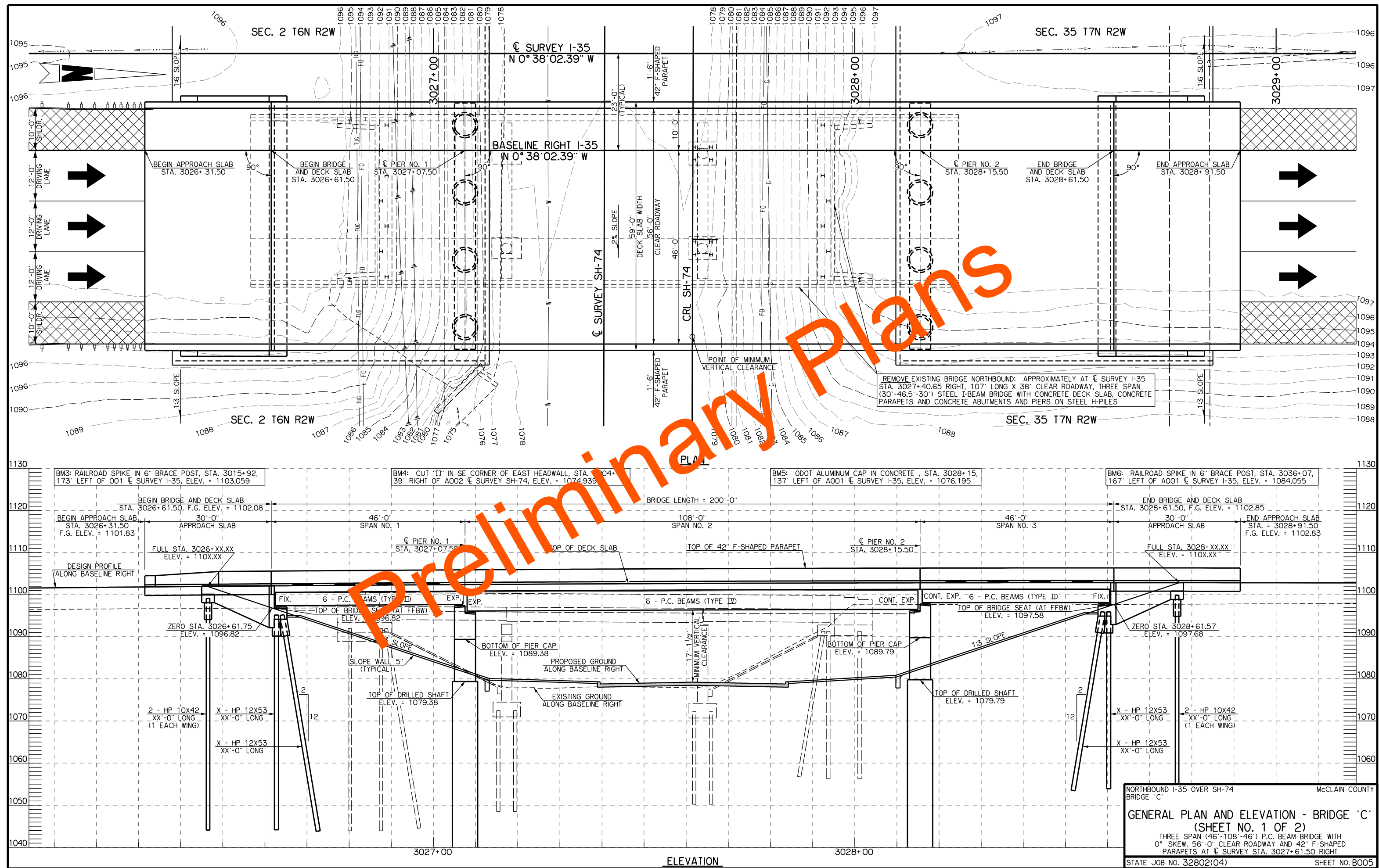
McCLAIN COUNTY

GENERAL PLAN AND PROFILE - BRIDGE 'A'
(SHEET NO. 2 OF 2)
3 - 12' X 6' X 154" LONG REINFORCED CONCRETE BOX
CULVERT, SKEWED 45° LEFT FORWARD WITH APRONS, WINGS
AND 4 DEEP CURTAIN WALLS AT CRL STA. 1003+30.00

STATE JOB NO. 32802(04)

SHEET NO. BO02





SUMMARY OF QUANTITIES - BRIDGE 'C'							
ITEM	UNIT	ABUTMENTS	PIERS	SUPERSTRUCTURE	APPROACH SLABS	SLOPE WALL	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	-	-	-	-	-	-
CLSM BACKFILL	CY	-	-	-	-	-	-
PRESTRESSED CONCRETE BEAMS (TYPE ID	LF	-	-	-	-	-	-
PRESTRESSED CONCRETE BEAMS (TYPE IIX	LF	-	-	-	-	-	-
APPROACH SLAB	SY	-	-	-	-	-	-
SAW-CUT GROOVING	SY	-	-	-	-	-	-
42" F-SHAPED PARAPET	LF	-	-	-	-	-	-
STRUCTURAL STEEL	LB	-	-	-	-	-	-
STAINLESS STEEL FIXED BEARING ASSEMBLY	EA	-	-	-	-	-	-
STAINLESS STEEL EXPANSION BEARING ASSEMBLY	EA	-	-	-	-	-	-
CLASS AA CONCRETE	CY	-	-	-	-	-	-
CLASS A CONCRETE	CY	-	-	-	-	-	-
SLOPE WALL (5")	SY	-	-	-	-	-	-
REINFORCING STEEL	LB	-	-	-	-	-	-
EPOXY COATED REINFORCING STEEL	LB	-	-	-	-	-	-
PILES, FURNISHED (HP 10X42)	LF	-	-	-	-	-	-
PILES, FURNISHED (HP 12X53)	LF	-	-	-	-	-	-
PILES, DRIVEN (HP 10X42)	LF	-	-	-	-	-	-
PILES, DRIVEN (HP 12X53)	LF	-	-	-	-	-	-
WATER REPELLENT (VISUALLY INSPECTED)	SY	-	-	-	-	-	-
DRILLED SHAFT 72" DIAMETER	LF	-	-	-	-	-	-
SEALED EXPANSION JOINTS	LF	-	-	-	-	-	-
SEALER CRACK PREPARATION	LF	-	-	-	-	-	-
SEALER RESIN	GAL	-	-	-	-	-	-
6" PERFORATED PIPE UNDERDRAIN ROUND	LF	-	-	-	-	-	-
6" NON-PERF. PIPE UNDERDRAIN RND.	LF	-	-	-	-	-	-
OUTLET LATERAL HEADWALL	EA	-	-	-	-	-	-

STRUCTURAL AND FOUNDATION DESIGN DATA

MATERIAL:
CLASS A CONCRETE, f'c = 3 KSI
CLASS AA CONCRETE, f'c = 4 KSI
REINFORCING STEEL, fy = 60 KSI
STRUCTURAL STEEL M270 (GRADE 50W), Fy = 50 KSI
STAINLESS STEEL A240 (TYPE 316), Fy = 30 KSI

LOADING:
HL-93 OR OKLAHOMA OVERLOAD TRUCK
20 PSF FUTURE WEARING SURFACE
5 PSF STAY-IN-PLACE FORMS

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE
ANSI/AWS D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL

HL-93 INVENTORY RATING FACTOR: X.XX
HL-93 OPERATING RATING FACTOR: X.XX

ABUTMENTS (HP 12X53 PILING)

ABUTMENTS NO. 1 2
MAXIMUM FACTORED PILE LOAD (TONS/PILE) = XX XX

ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH THE COMPACTED FILL. PILING SHALL BE DRIVEN TO POINT OF BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN IN THE PLANS. THE MAXIMUM FACTORED PILE LOAD IS NOT TO EXCEED THAT AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE MAXIMUM FACTORED PILE LOAD IS OBTAINED. THE LENGTH OF STEEL PILING SHOWN IN THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

PILES
PILES NO. 1 2
DRILLED SHAFTS DIAMETER (INCHES) = 72 XX
FACTORED REACTION (TONS/SHAFT) = XXX XXX
NOMINAL UNIT BEARING RESISTANCE (TSF) = XX.X XX.X
BEARING RESISTANCE FACTOR = 0.70 0.70
FACTORED BEARING RESISTANCE (TONS/SHAFT) = XXXX XXXX
NOMINAL UNIT FRICTION RESISTANCE (TSF) = X.X X.X
FRICTION RESISTANCE FACTOR = 0.45 0.45
FACTORED FRICTION RESISTANCE (TONS/SHAFT) = XXX XXX
DEPTH OF ROCK NEGLECTED FOR FRICTION (FEET) = X X
TOTAL FACTORED RESISTANCE (TONS/SHAFT) = XXXX XXXX

UTILITIES

TELEPHONE:
WINDSTREAM COMM. OKLA. CITY, OK. - (405) 228-2530
C.T.S.I. STILLWATER, OK. - (800) 927-2027
TRACE FIBER INC. TULSA, OK. - (855) 899-8686
LEVEL 3 COMM. BROOMFIELD, CO. - (877) 453-8353

ELECTRIC:
CITY OF PURCELL - (405) 527-6561

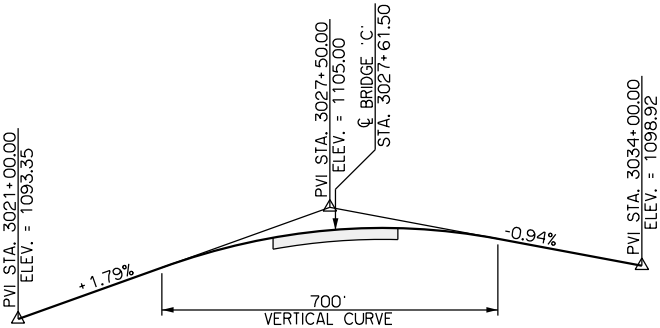
GAS AND PETROLEUM PIPELINES:
ONG OK WEST - (800) 664-5463

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
AB01, AB02 B005, B006	NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGES) GENERAL PLAN AND ELEVATION (BRIDGE 'C')

REQUIRED STANDARD DRAWINGS

2019 ROADWAY	2009 BRIDGE
LECS-5-0 LTU-4-0 PED-4-0 PUD-4-0	FSHP-42-2-00E EJ-SQ-04E EJ-DIL-02E HP1-2-01E B40-C-ABUT-MISC-01E



DESIGN PROFILE DATA

FINISH GRADE ALONG BASELINE RIGHT

NORTHBOUND I-35 OVER SH-74
BRIDGE 'C'

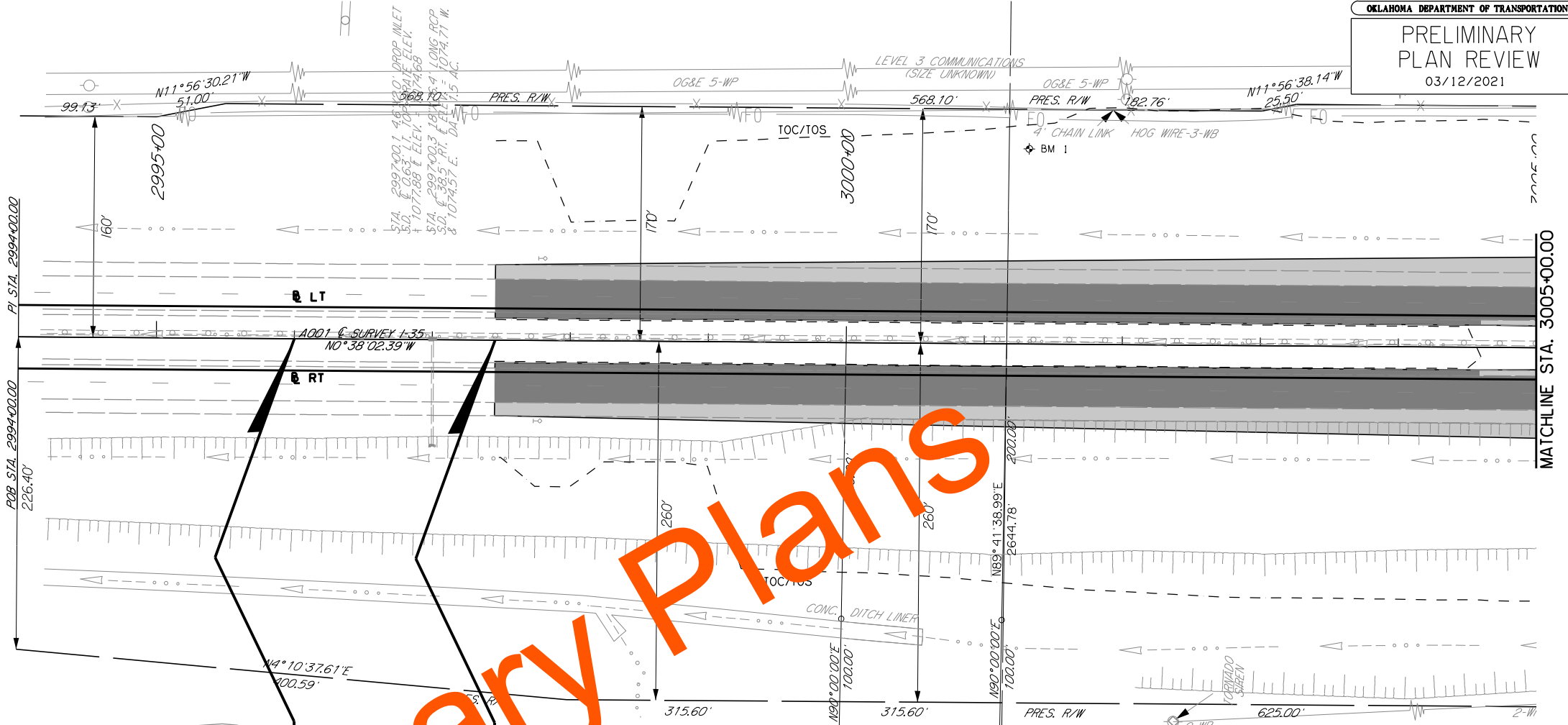
McCLAIN COUNTY

GENERAL PLAN AND ELEVATION - BRIDGE 'C'
(SHEET NO. 2 OF 2)
THREE SPAN (46'-108'-46') P.C. BEAM BRIDGE WITH
0° SKEW, 56'-0" CLEAR ROADWAY AND 42" F-SHAPED
PARAPETS AT C SURVEY STA. 3027+61.50 RIGHT

STATE JOB NO. 32802(04)

SHEET NO. B006

SECTION 2
T-6-N, R-2-W



SECTION 2
T-6-N, R-2-W

SCALE:
1" = 50' HOR
1" = 5' VER

UTILITIES	
COMMUNICATION LINES:	
WINDSTREAM COMM.	405-228-2530
C.T.S.I.	800-927-2027
TRACE FIBER INC.	855-899-8686
COMM. BROOMFIELD CO.	877-453-8353
ELECTRIC LINES:	
OG&E	(XXX)XXX-XXXX
CITY OF PURCELL	405-527-6561
SANITARY SEWER:	
CITY OF PURCELL	405-527-6561
WATERLINES:	
CITY OF PURCELL	405-527-6561
PIPELINES:	
ONG OK WEST	(XXX)XXX-XXXX

B.M. 1- ODOT ALUMINUM CAP IN CONCRETE
STA. 3001+31.31, 141.44' LT & SURVEY I-35 ELEV.= 1095.057

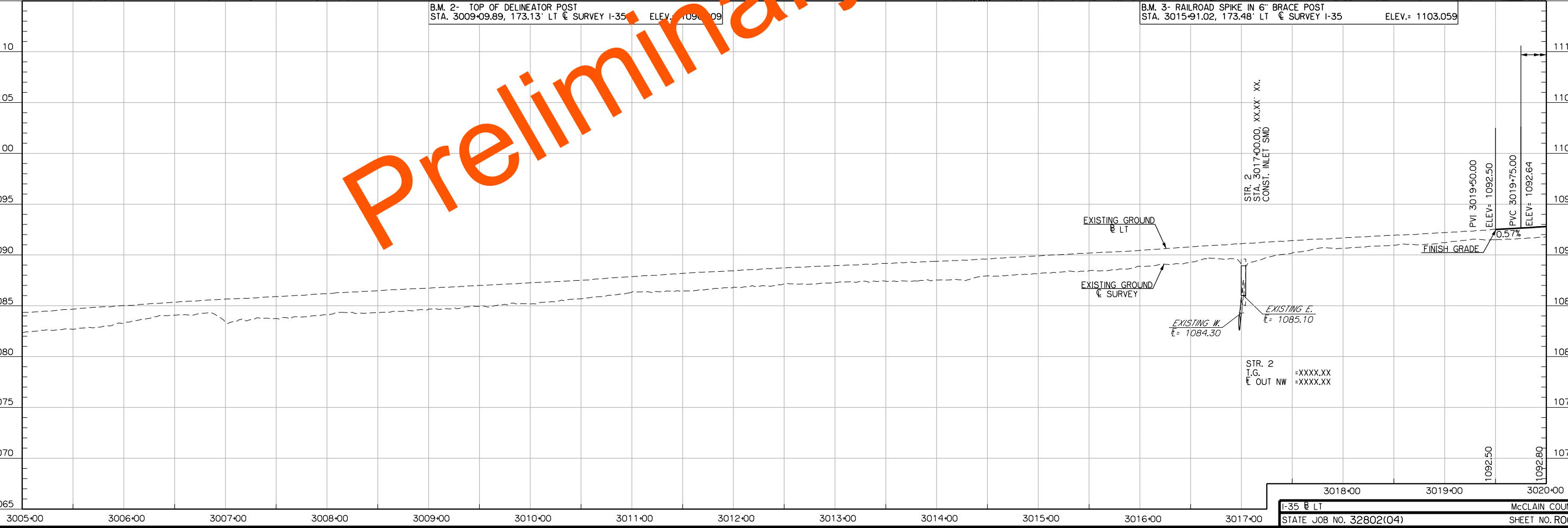
STA. 2996+00.00
BEGIN INCIDENTAL
CONSTRUCTION

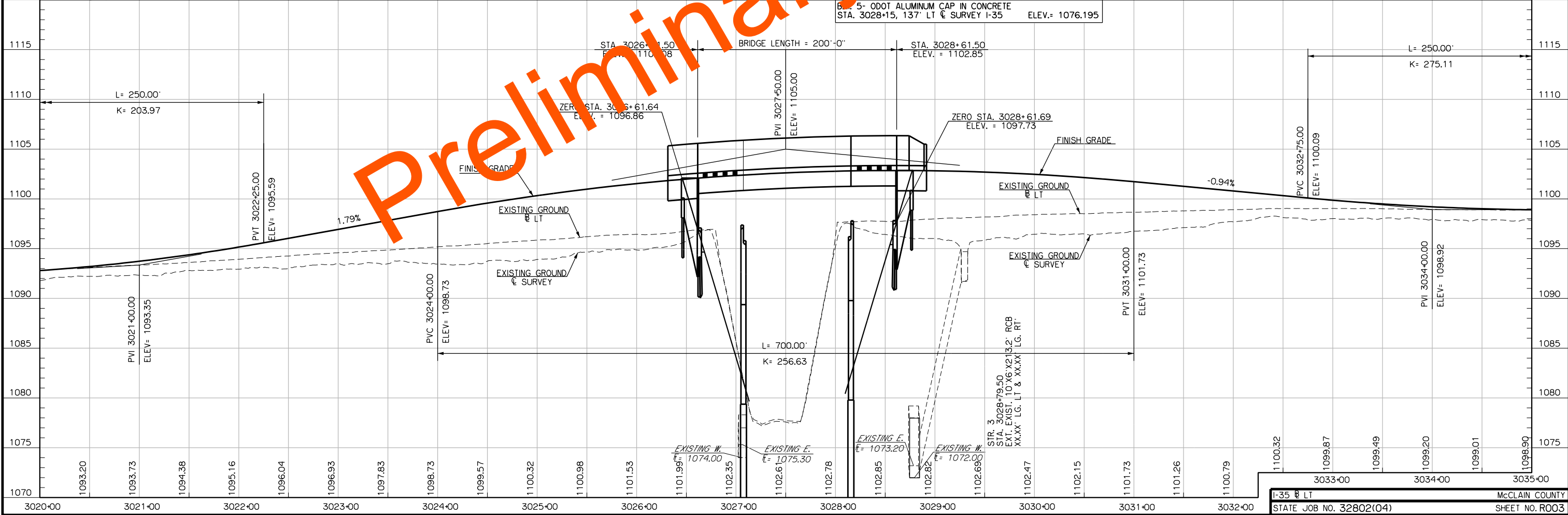
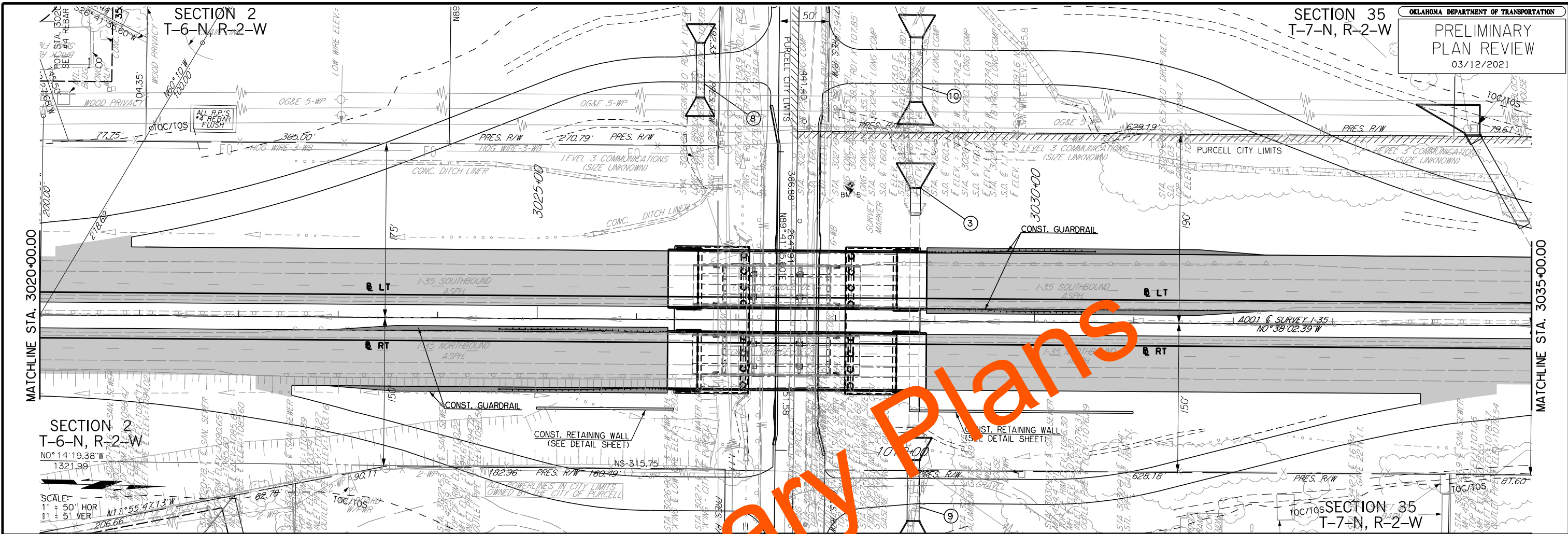
STA. 2997+45.42 END
INCIDENTAL CONSTRUCTION
AND BEGIN PROJECT

EXISTING GROUND
& LT

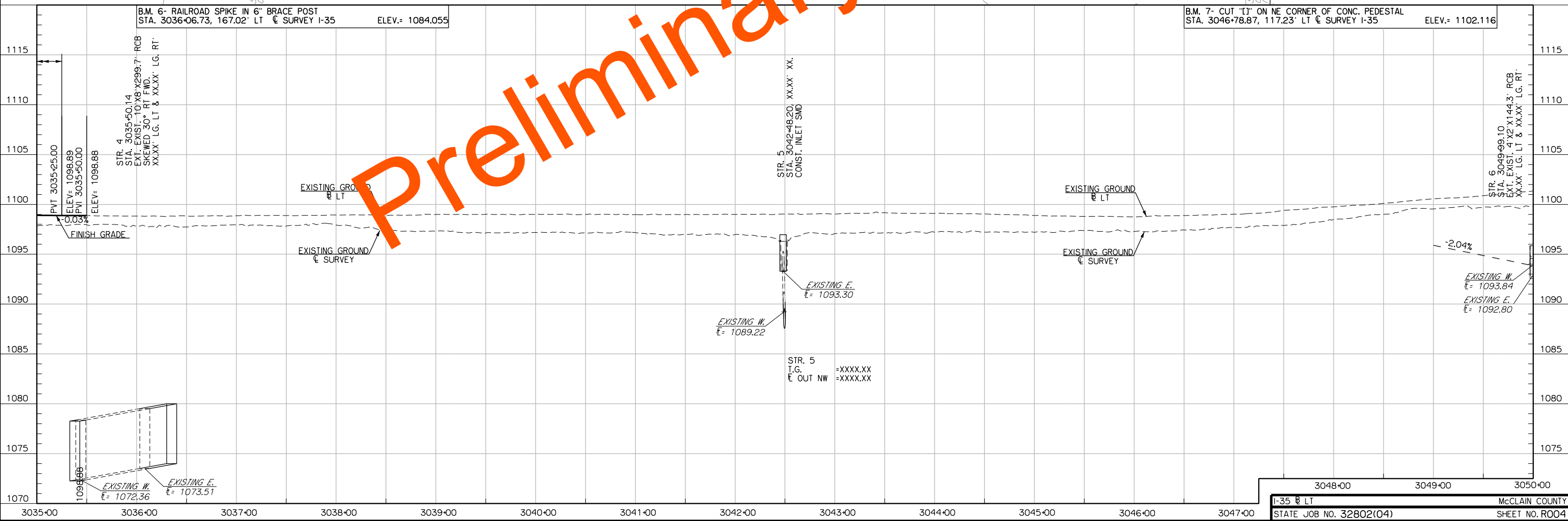
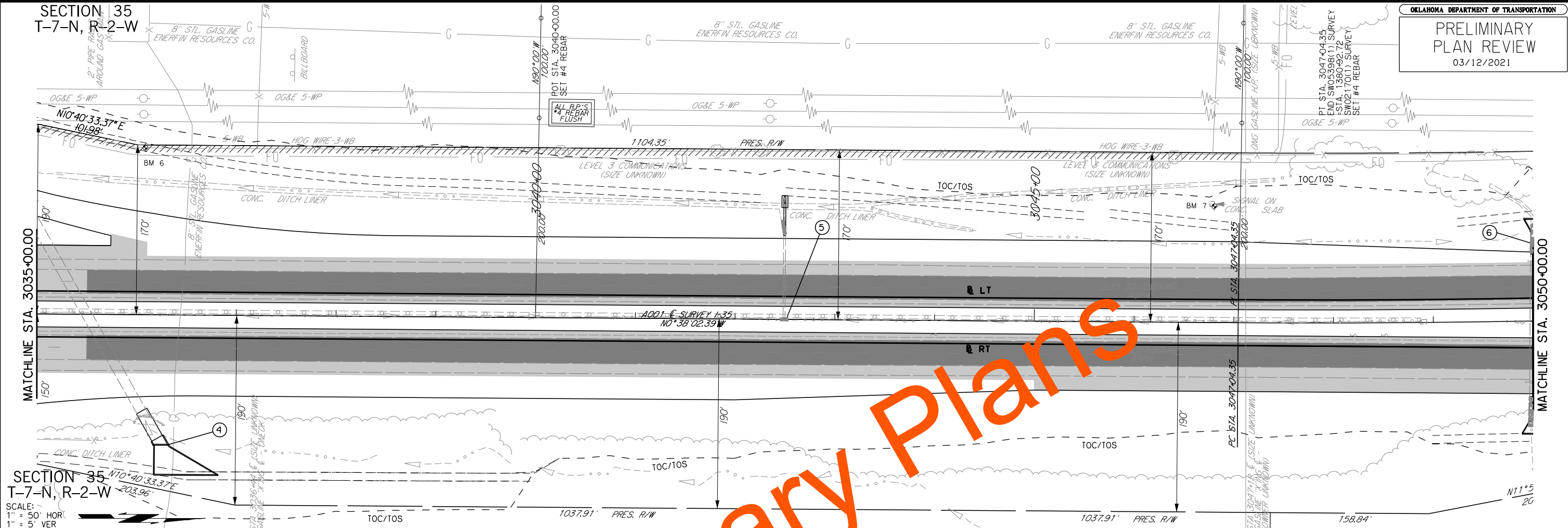
EXISTING GROUND
& SURVEY

SECTION 2
T-6-N, R-2-W

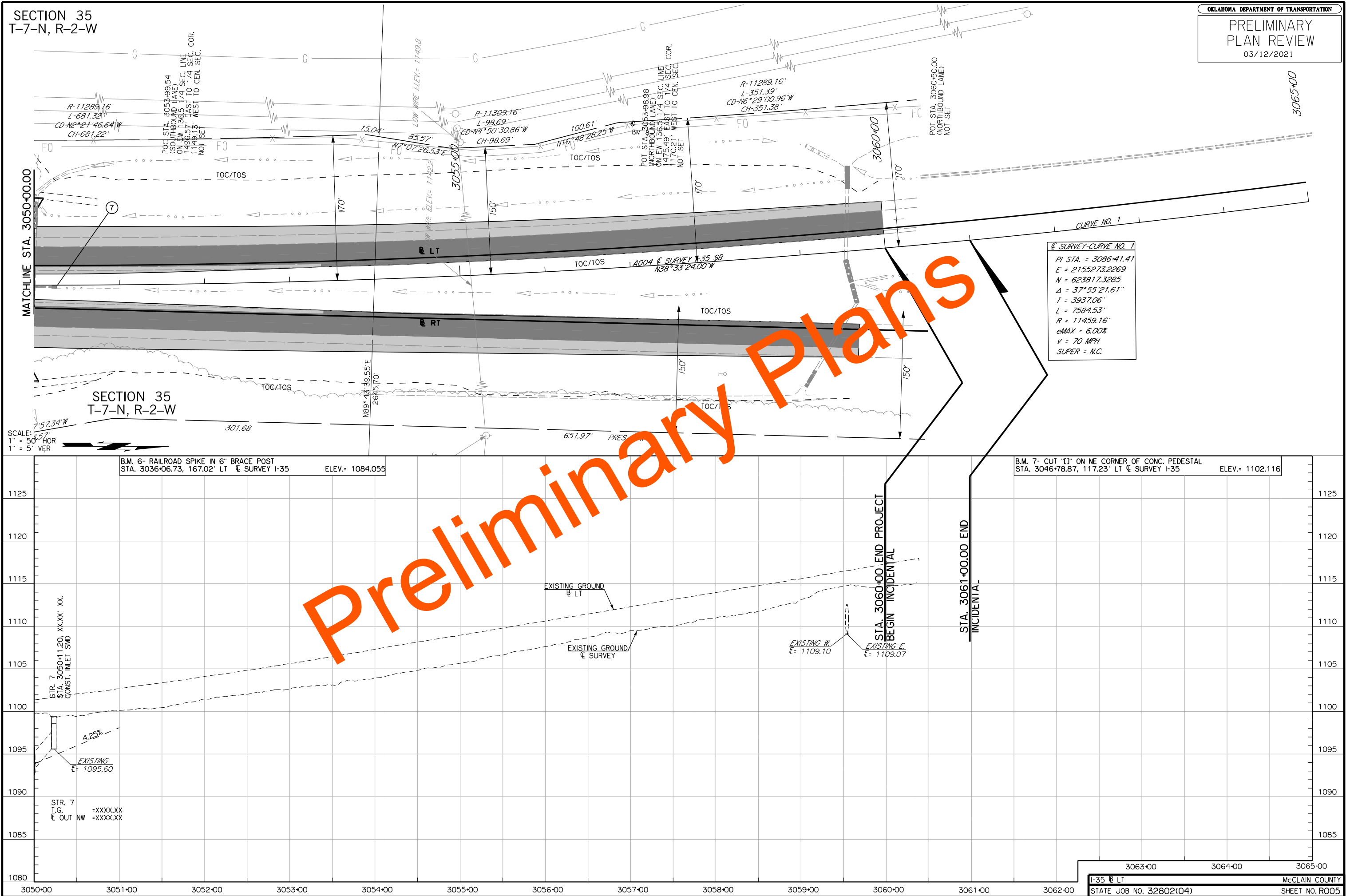




SECTION 35
T-7-N, R-2-W



SECTION 35
T-7-N, R-2-W

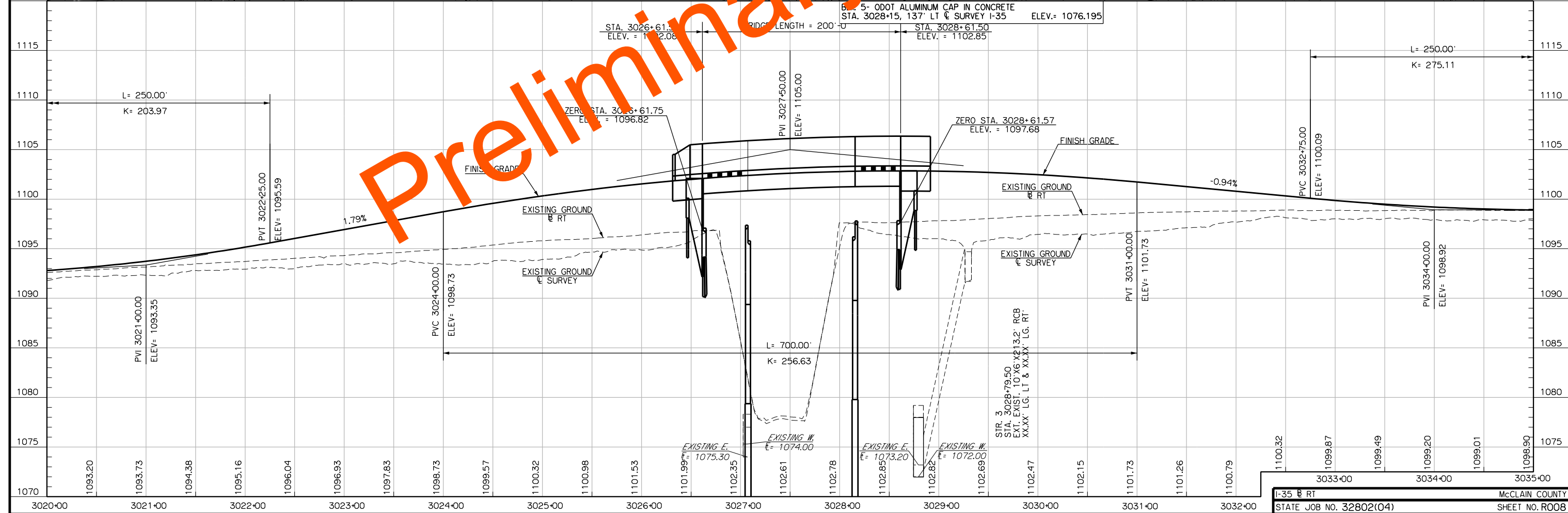
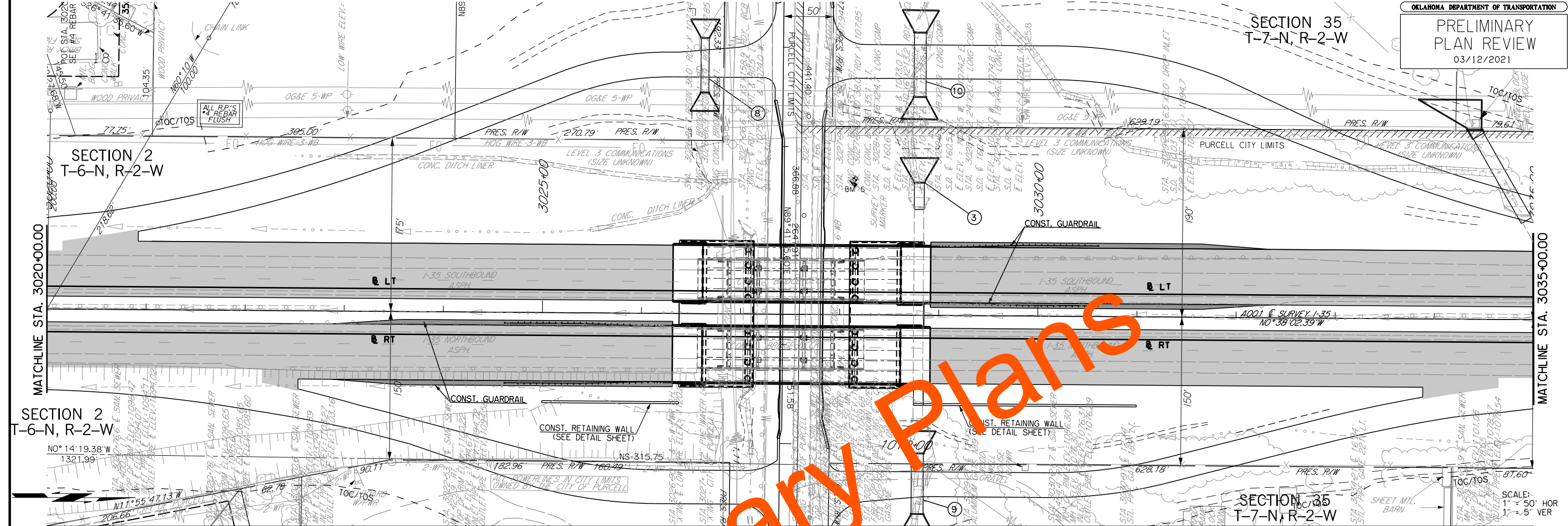


I-35 @ RT	McCLAIN COUNTY
STATE JOB NO. 32802(04)	SHEET NO. R006

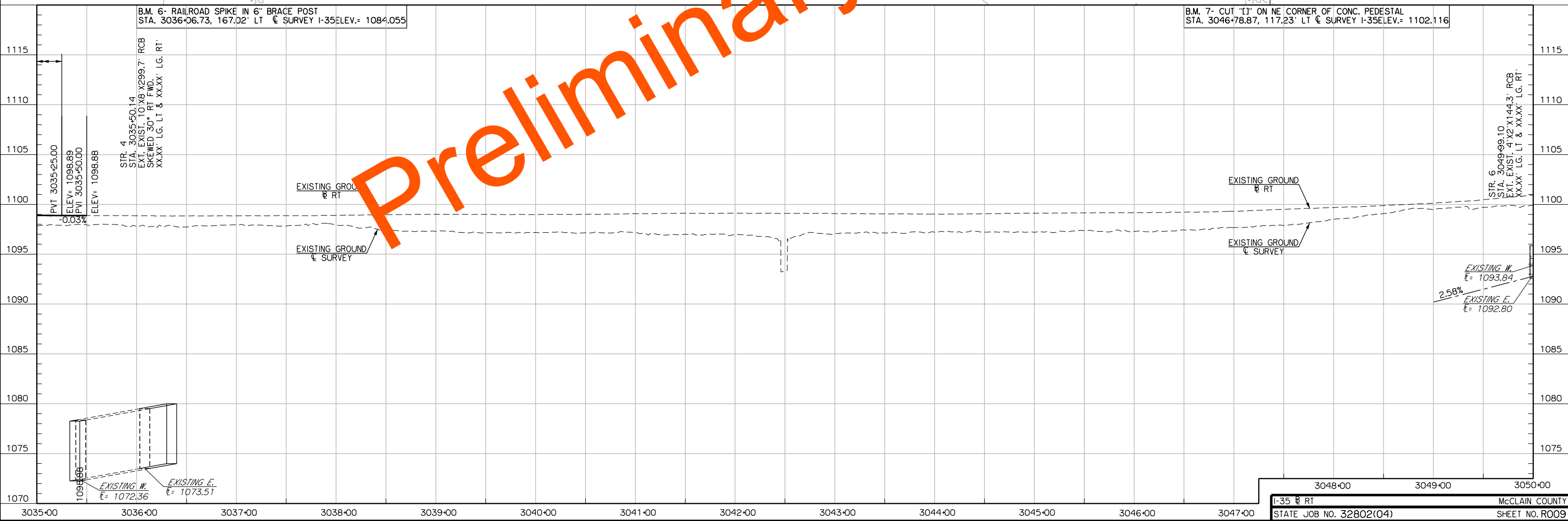
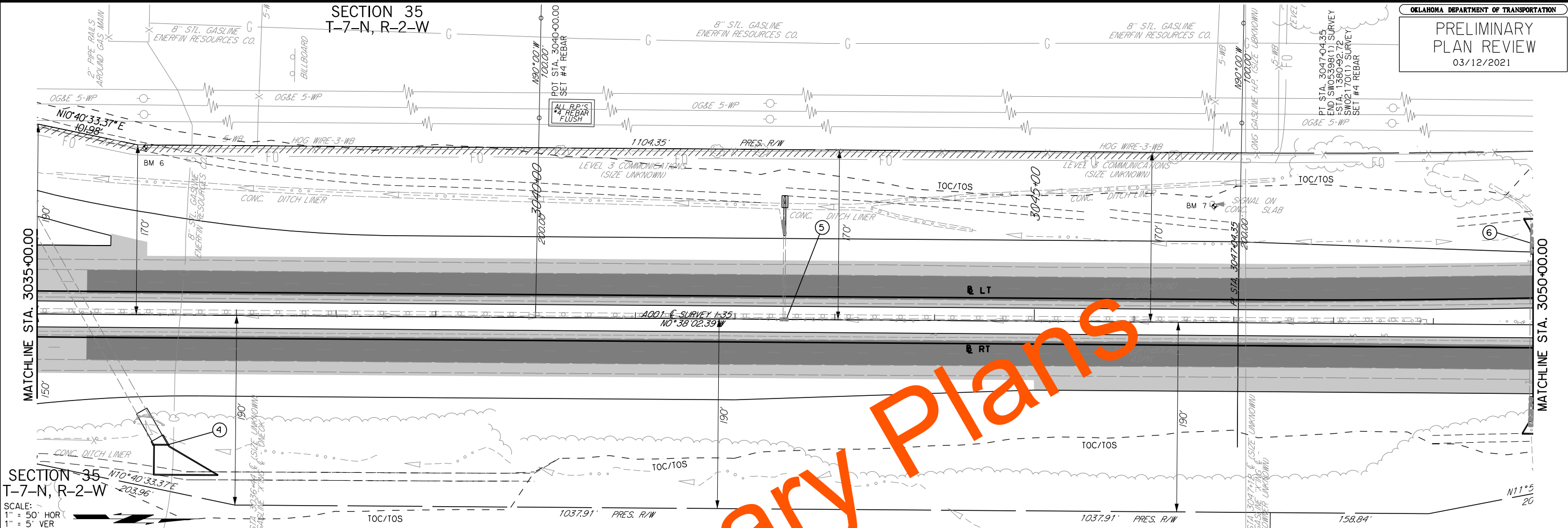
SECTION 35
T-7-N, R-2-W

SECTION 2
T-6-N, R-2-W

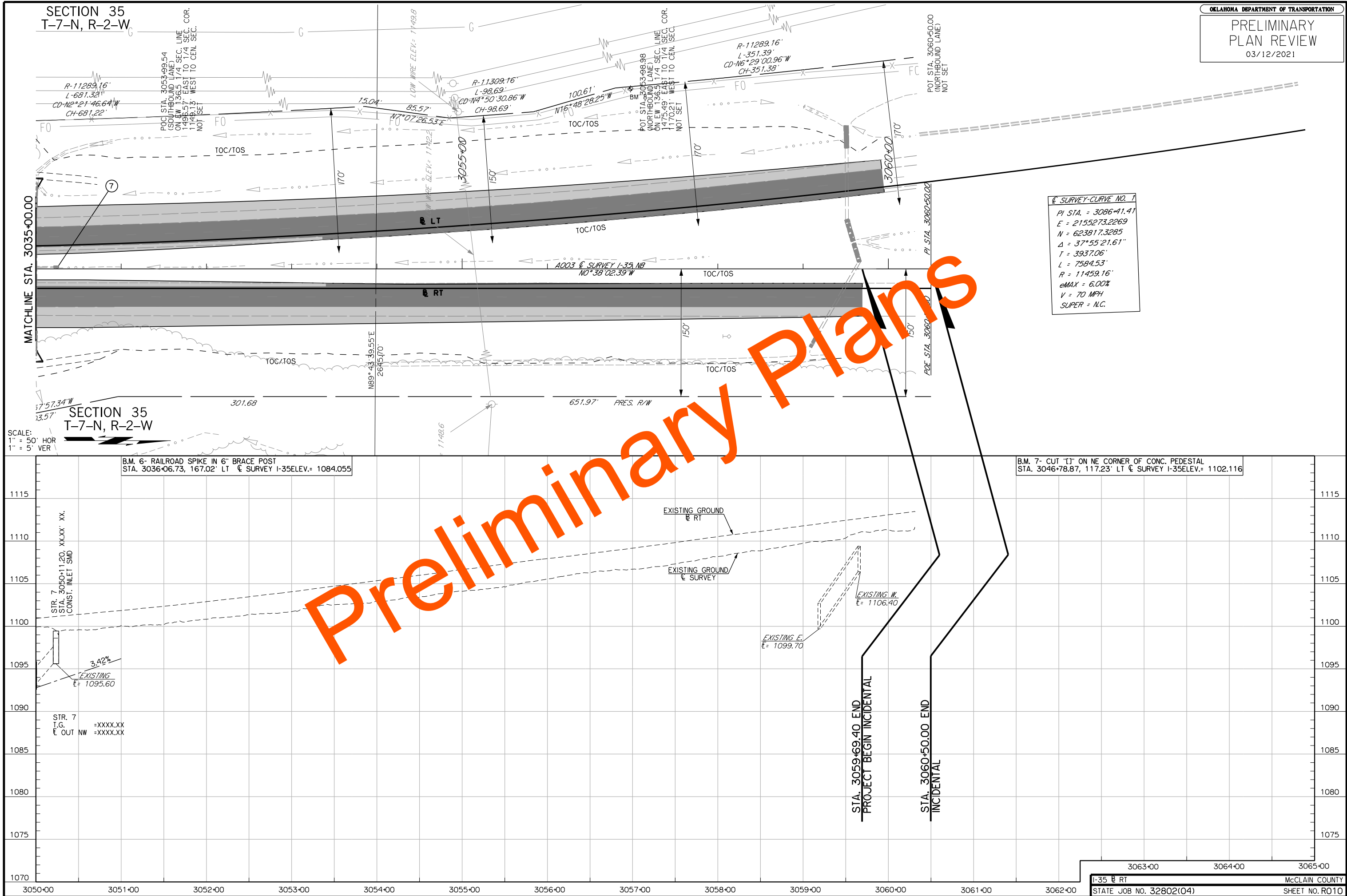
SECTION 35
T-7-N, R-2-W



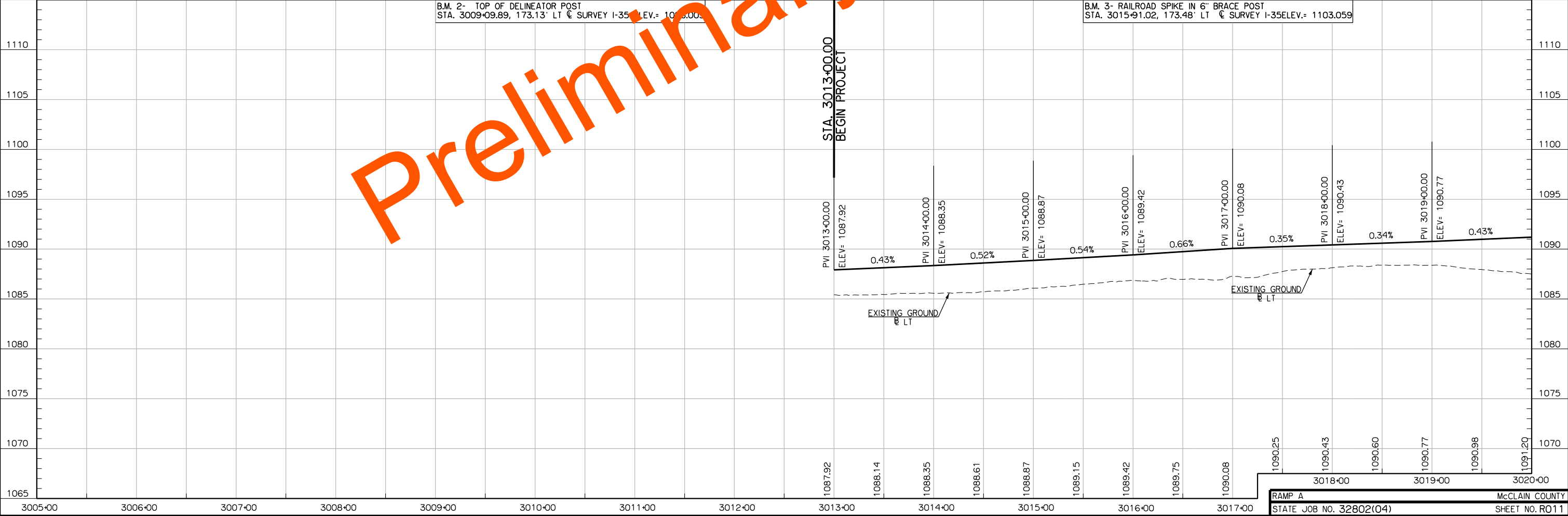
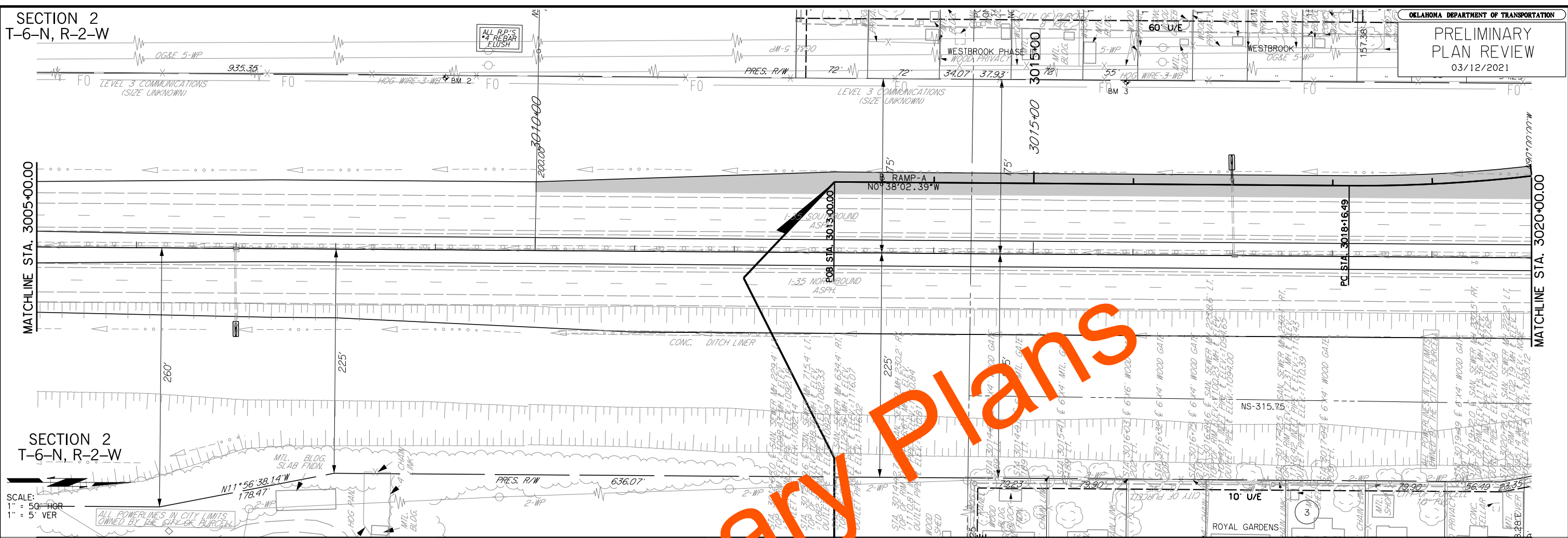
SECTION 35
T-7-N, R-2-W



SECTION 35
T-7-N, R-2-W

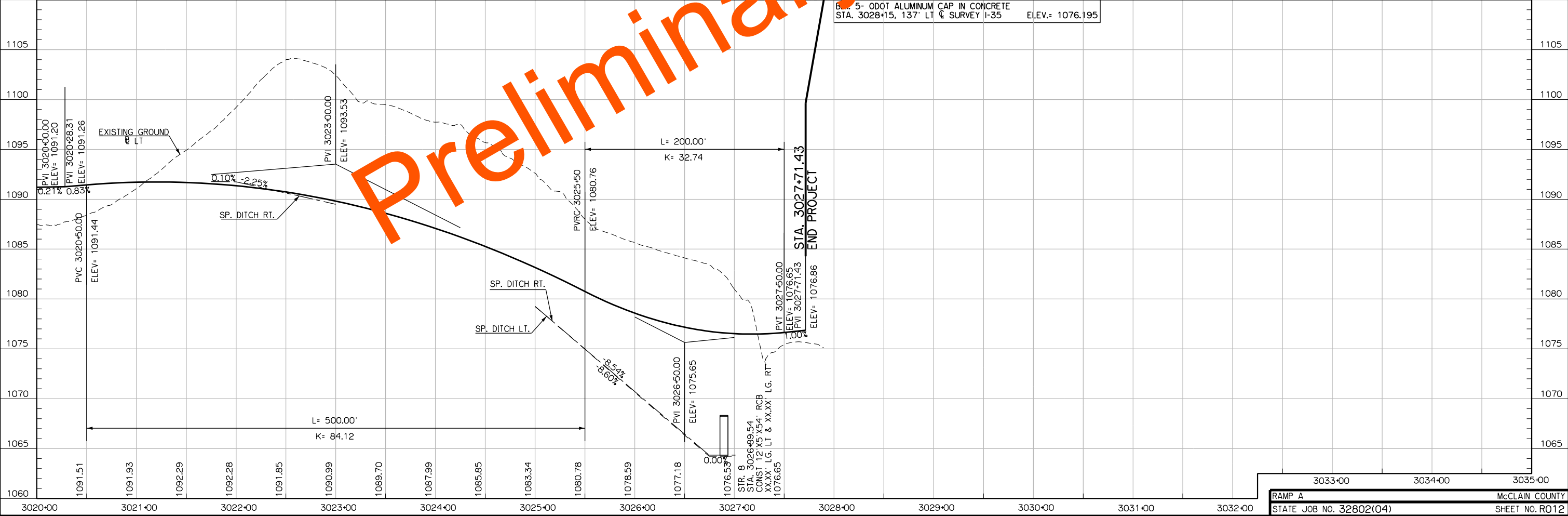
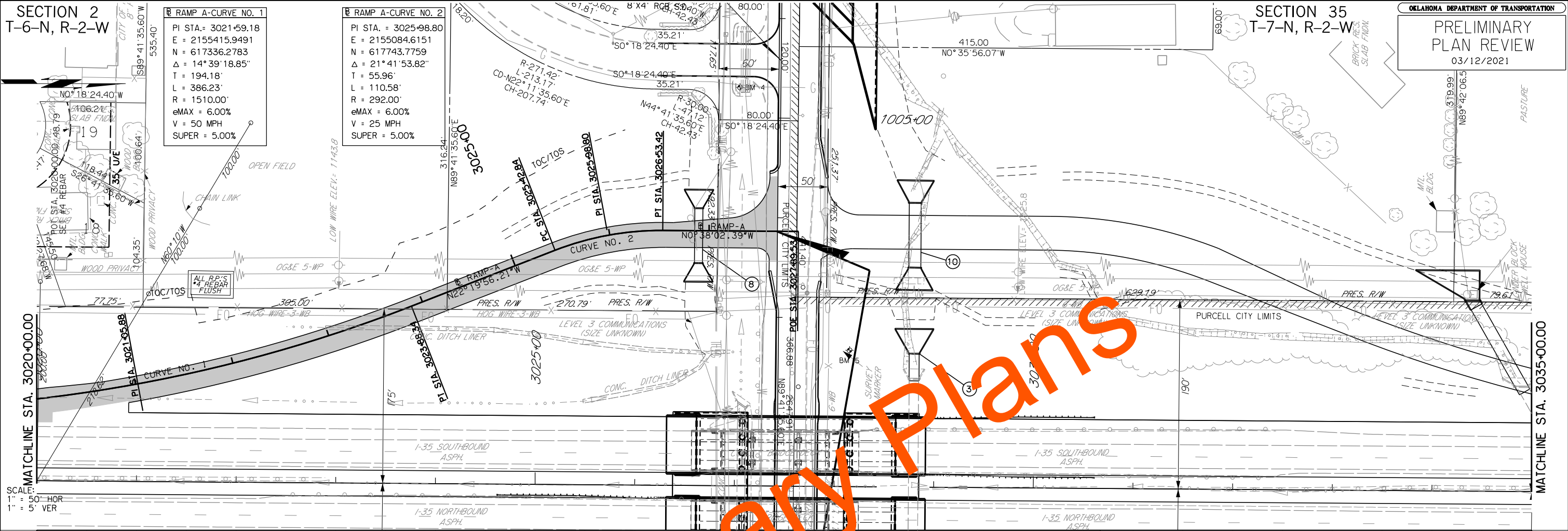


SECTION 2
T-6-N, R-2-W



SECTION 2
T-6-N, R-2-W

SECTION 35
T-7-N, R-2-W



MATCHLINE STA. 3005+00.00

SCALE:
1" = 50' HOR
1" = 5' VER

ALL POWERLINES IN CITY LIMITS
OWNED BY THE CITY OF PURCELL

B.M. 2- TOP OF DELINEATOR POST
STA. 3009+09.89, 173.13' LT @ SURVEY I-35 ELEV.= 1095.00

B.M. 3- RAILROAD SPIKE IN 6" BRACE POST
STA. 3015+91.02, 173.48' LT C SURVEY I-35ELEV.= 1103.059

STA. 3011+00.00
BEGIN PROJECT

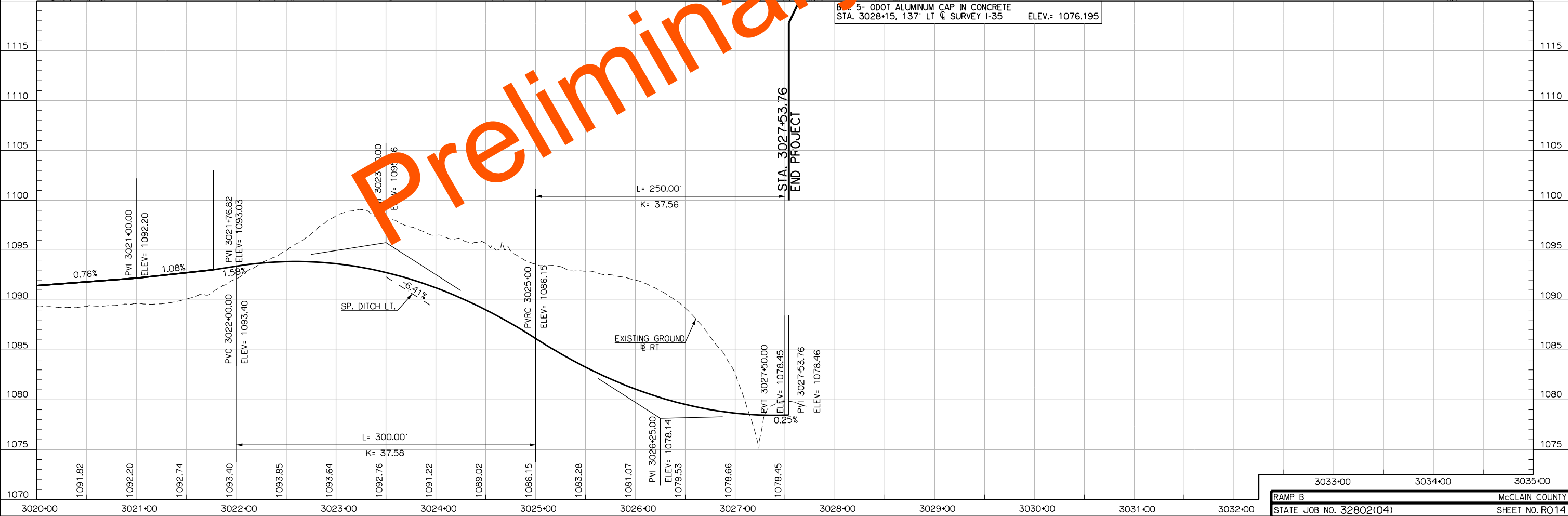
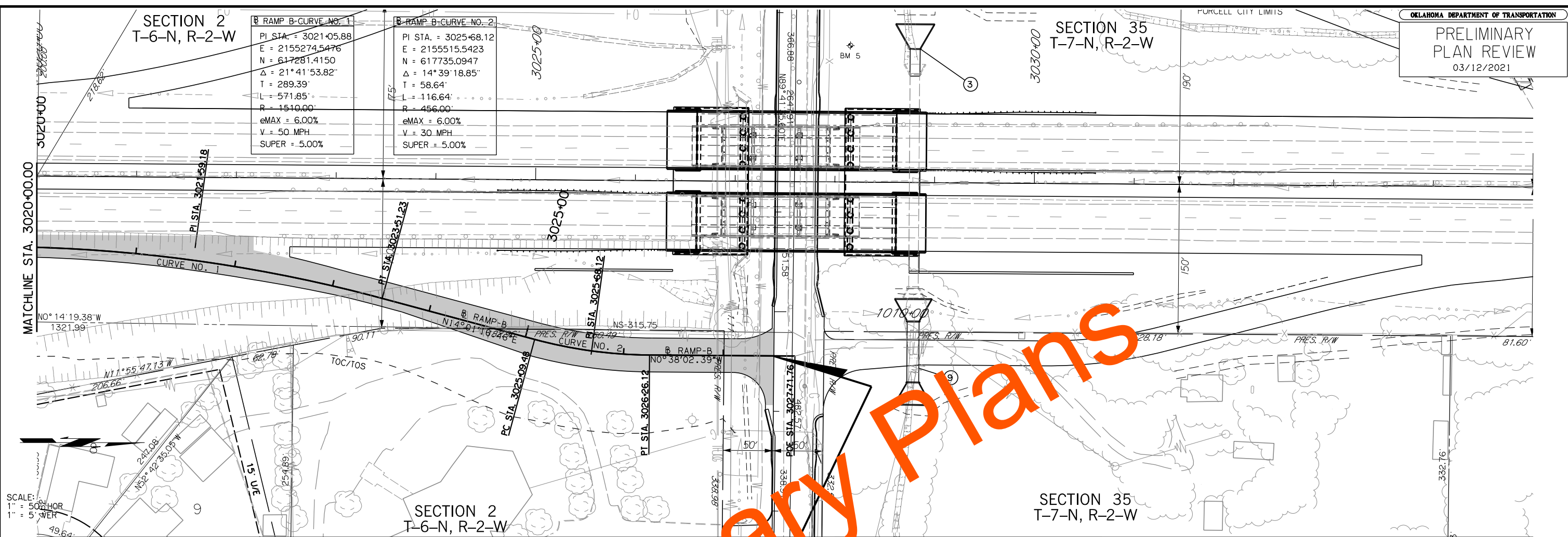
3018+00	3019+00	3020+00
RAMP B		McCLAIN COUNTY
STATE JOB NO. 32802(04)		SHEET NO. R013

SECTION 2
T-6-N, R-2-W

RAMP B-CURVE NO. 1
PI STA. = 3021+05.88
E = 2155274.5476
N = 617281.4150
 $\Delta = 21^\circ 41' 53.82''$
T = 289.39'
L = 571.85'
R = 1510.00'
eMAX = 6.00%
V = 50 MPH
SUPER = 5.00%

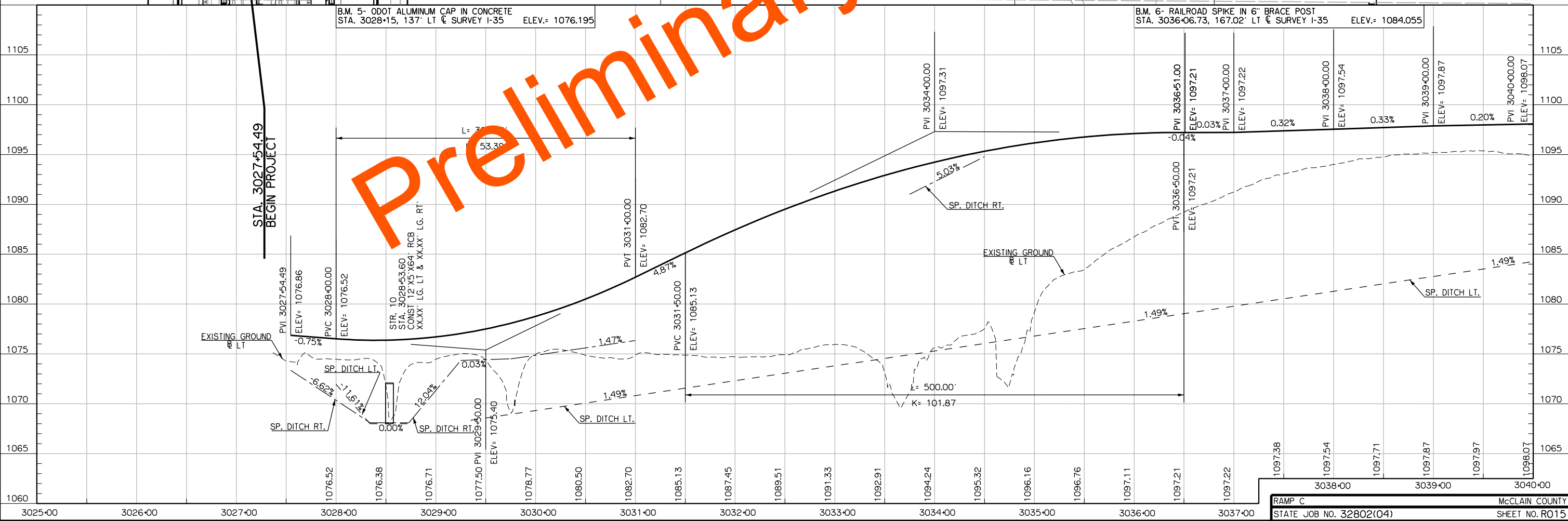
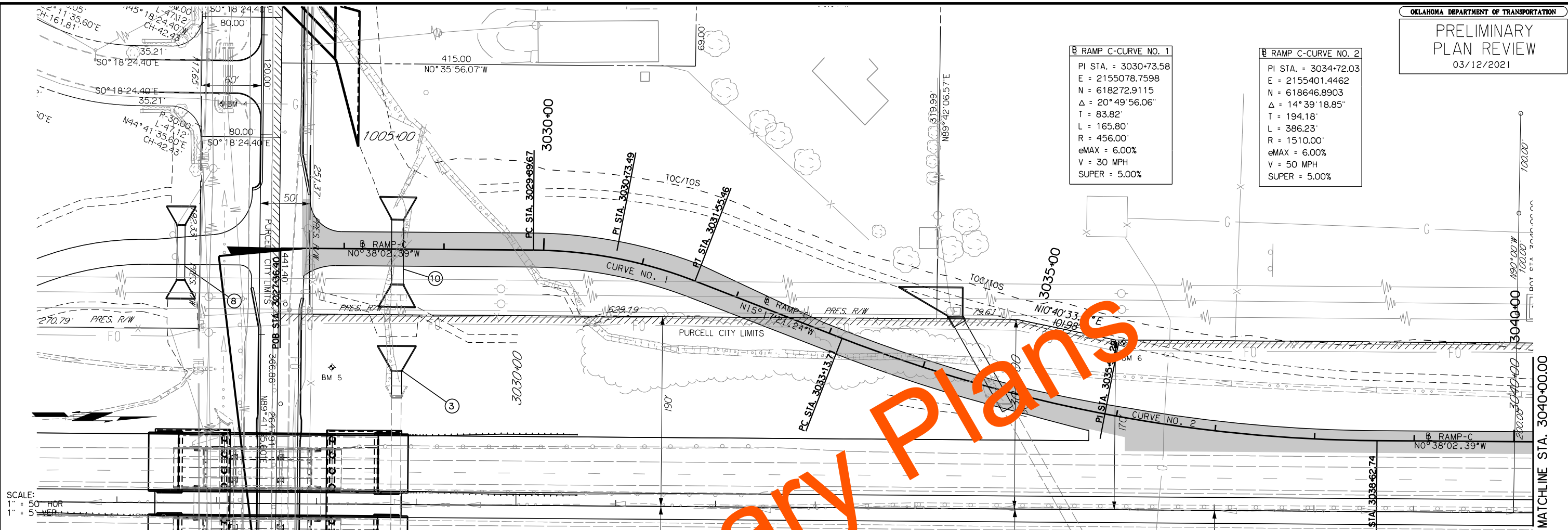
RAMP B-CURVE NO. 2
PI STA. = 3025+68.12
E = 2155515.5423
N = 617735.0947
 $\Delta = 14^\circ 39' 18.85''$
T = 58.64'
L = 116.64'
R = 456.00'
eMAX = 6.00%
V = 30 MPH
SUPER = 5.00%

SECTION 35
T-7-N, R-2-W

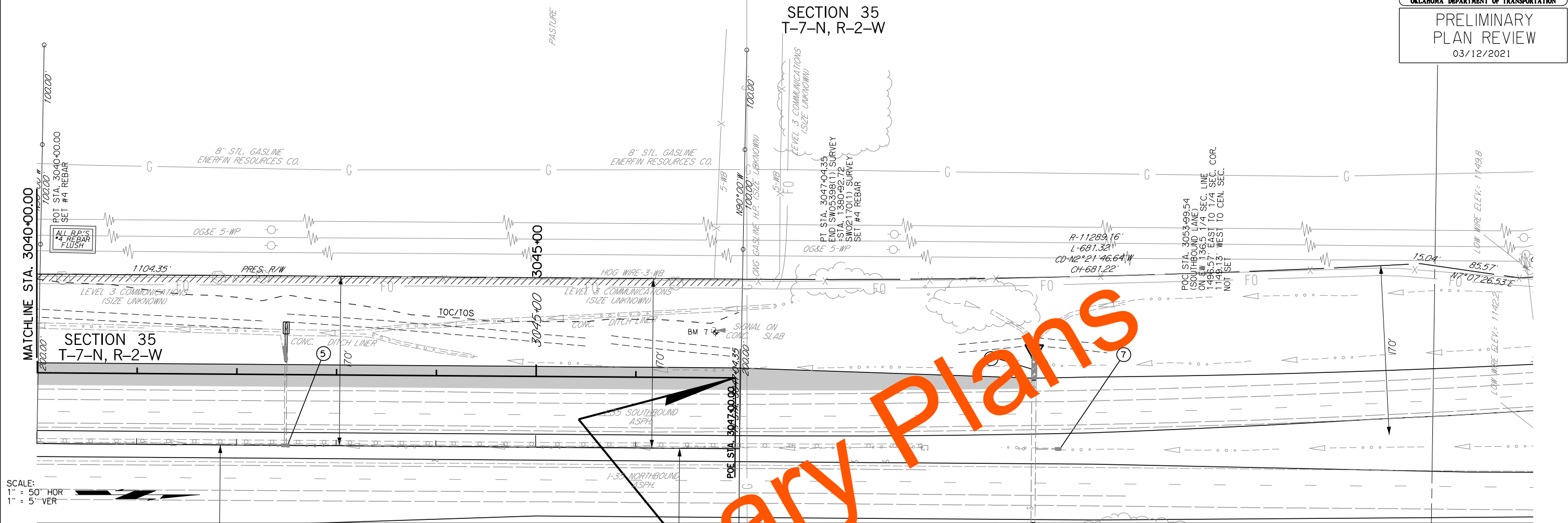


RAMP C-CURVE NO. 1
PI STA. = 3030+73.58
E = 2155078.7598
N = 618272.9115
 $\Delta = 20^\circ 49' 56.06''$
T = 83.82'
L = 165.80'
R = 456.00'
eMAX = 6.00%
V = 30 MPH
SUPER = 5.00%

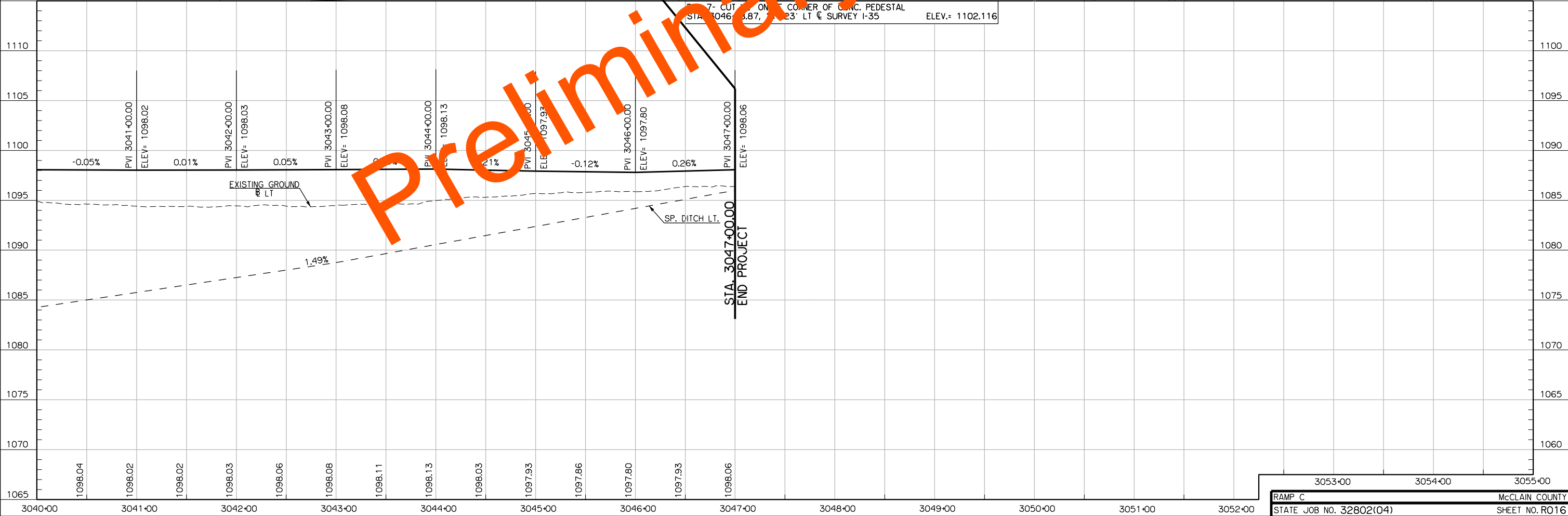
RAMP C-CURVE NO. 2
PI STA. = 3034+72.03
E = 2155401.4462
N = 618646.8903
 $\Delta = 14^\circ 39' 18.85''$
T = 194.18'
L = 386.23'
R = 1510.00'
eMAX = 6.00%
V = 50 MPH
SUPER = 5.00%



SECTION 35
T-7-N, R-2-W

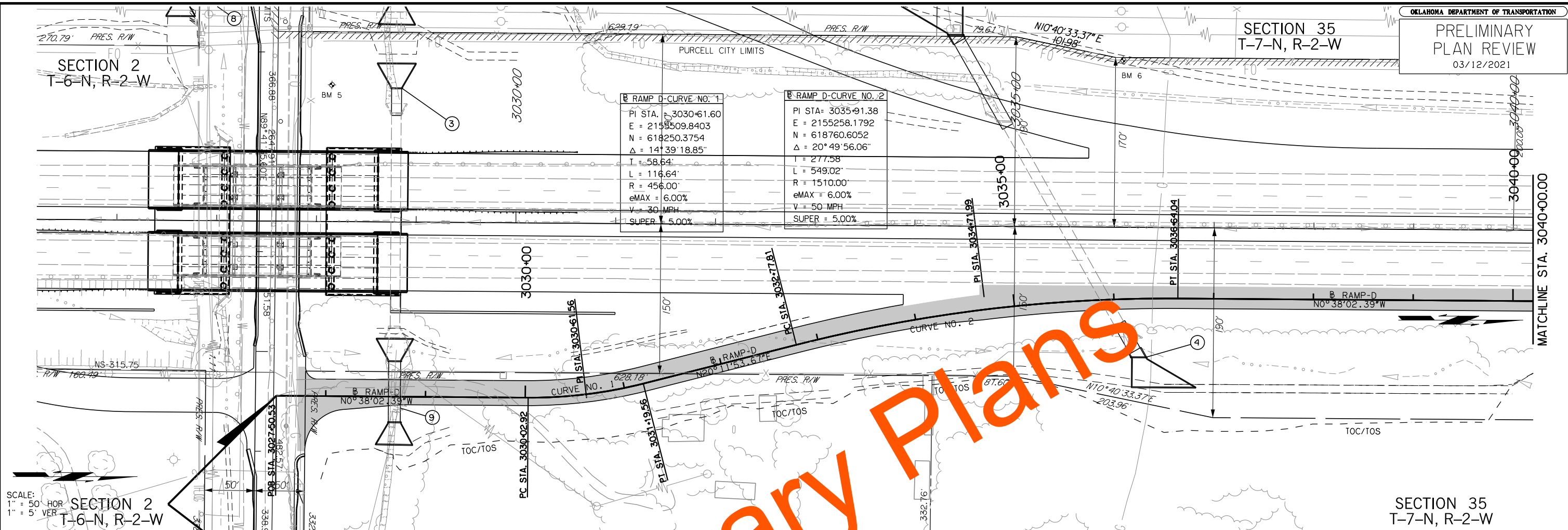


SCALE:
1" = 50' HOR
1" = 5' VER



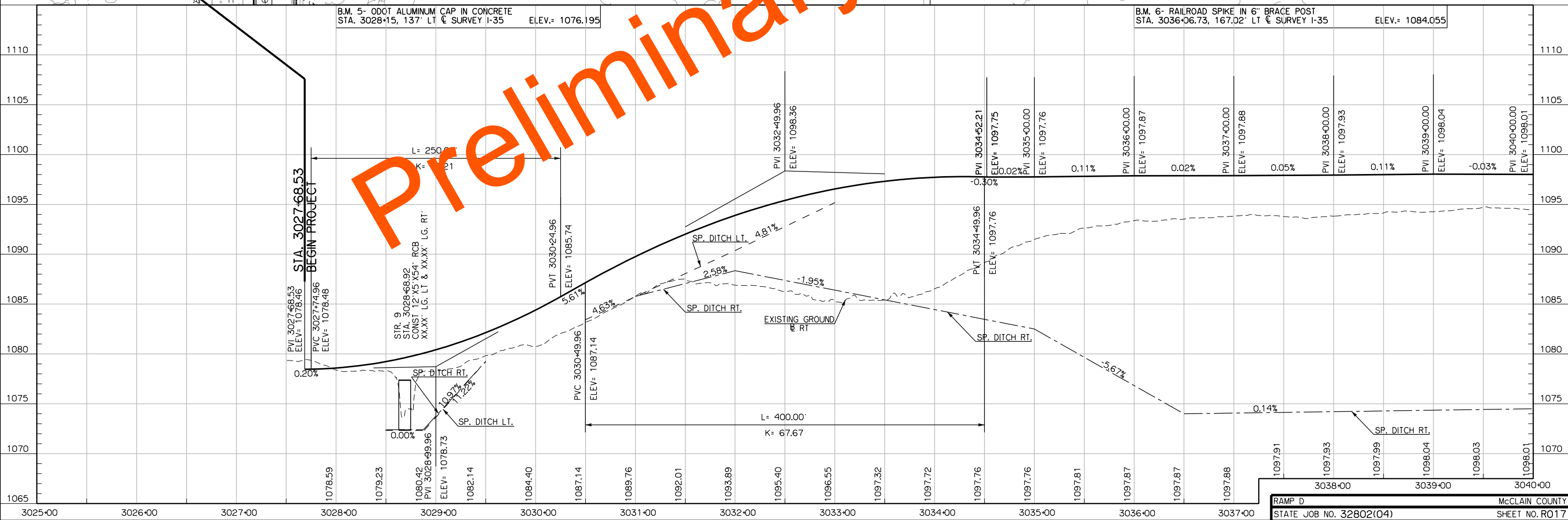
SECTION 35
T-7-N, R-2-W

SECTION 2
T-6-N, R-2-W



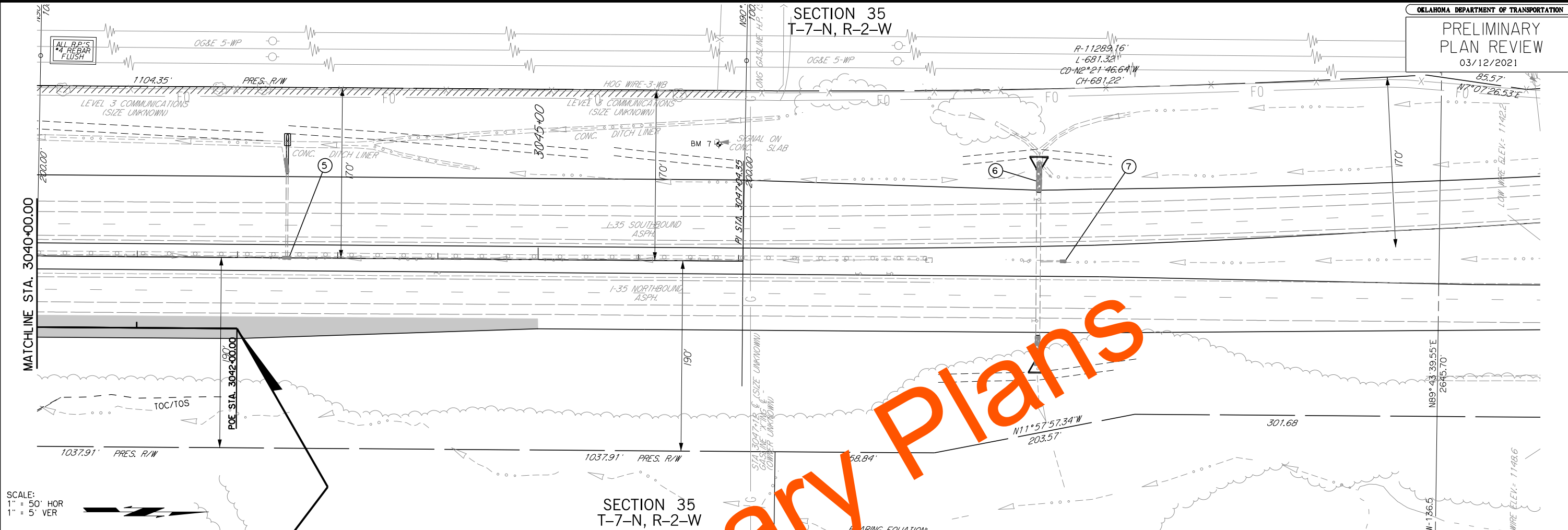
SCALE:
1" = 50' HOR
1" = 5' VER

SECTION 35
T-7-N, R-2-W



SECTION 35
T-7-N, R-2-W

R-11289.16'
L-681.32'
CD-N2°21'46.64"W
CH-681.22'



SCALE:
1" = 50' HOR
1" = 5' VER

SECTION 35
T-7-N, R-2-W

BEARING EQUATION:

7- CUT ON CORNER OF CONC. PEDESTAL
STA. 3046+3.87, 23' LT & SURVEY I-35 ELEV.= 1102.116



PI STA. = 978+18.94
 E = 2152859.9733
 N = 619245.7114
 $\Delta = 15^{\circ}01'18.78''$
 T = 251.44'
 L = 499.99'
 R = 1907.04'
 eMAX = 6.00%
 V = 50 MPH
 SUPER = 4.44%

SECTION 35
T-7-N, R-2-W

SECTION 2
T-6-N, R-2-W

CRL SH-74-CURVE NO.1
PI STA. = 994+88.49
E = 2153887.3939
N = 617926.0748
$\Delta = 52^{\circ}33'54.81''$
T = 587.69'
L = 1091.75'
R = 1190.00'
eMAX = 6.00%
V = 45 MPH
SUPER = 5.00%

STA. 982+00.00 BEGIN
INCIDENTAL CONSTRUCTION

STA. 983+00.00 END
INCIDENTAL CONSTRUCTION
BEGIN PROJECT

STR. 11 T.G. FL OUT	=XXXX.XX =XXXX.XX
STR. 12 T.R. FL IN NW FL OUT SE	=XXXX.XX =XXXX.XX =XXXX.XX
STR. 13 T.G. FL OUT NE	=XXXX.XX =XXXX.XX

STR. 14	
T.R.	=XXXX.X
E IN NW	=XXXX.X
E OUT SE	=XXXX.X
STR. 15	
T.G.	=XXXX.X
E OUT NE	-YYYY.Y

STR. 16	
I.R.	=XXXX.XX
E IN NW	=XXXX.XX
E OUT SE	=XXXX.XX
STR. 17	
I.G.	=XXXX.XX
E OUT NE	XXXX.XX

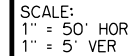
1, 43° LT.
HOLE (4" DIA.)

43' LT. OLE (4" DIA.)	22.17' LT. CL DES 2 (R)
--------------------------	----------------------------

		PVI 99
		ELEV=

I.R.	=XXXX.XX
I IN NW	=XXXX.XX
I OUT SE	=XXXX.XX
STR. 19	
I.G.	=XXXX.XX
I OUT NE	=XXXX.XX

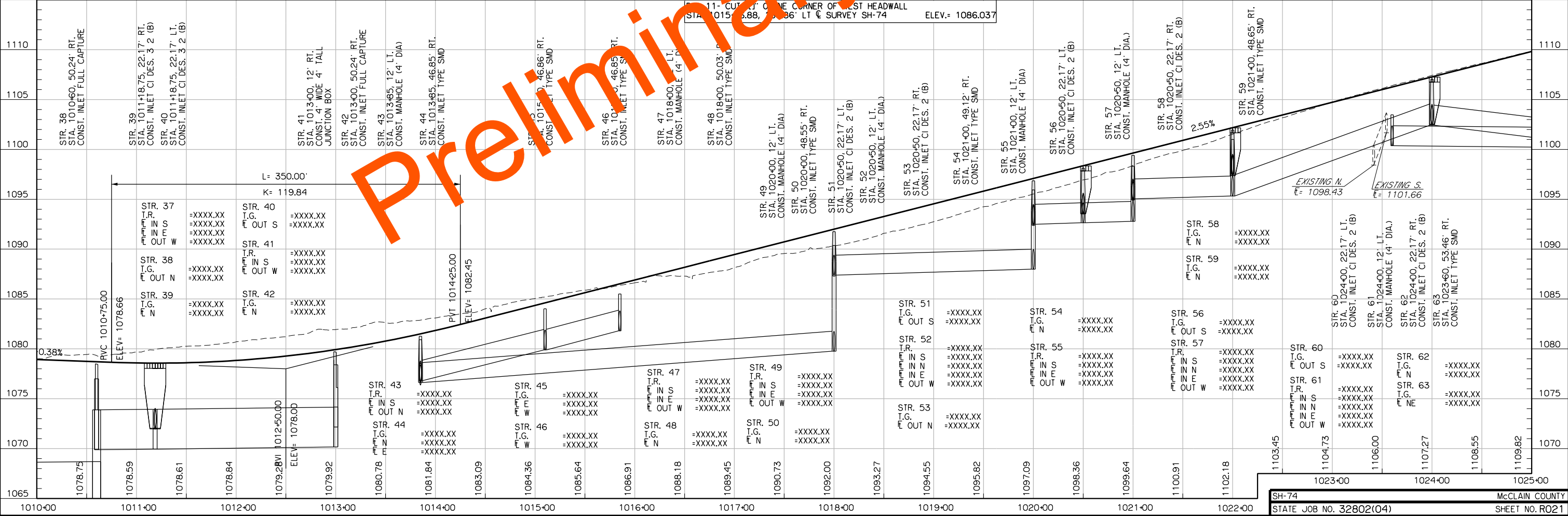
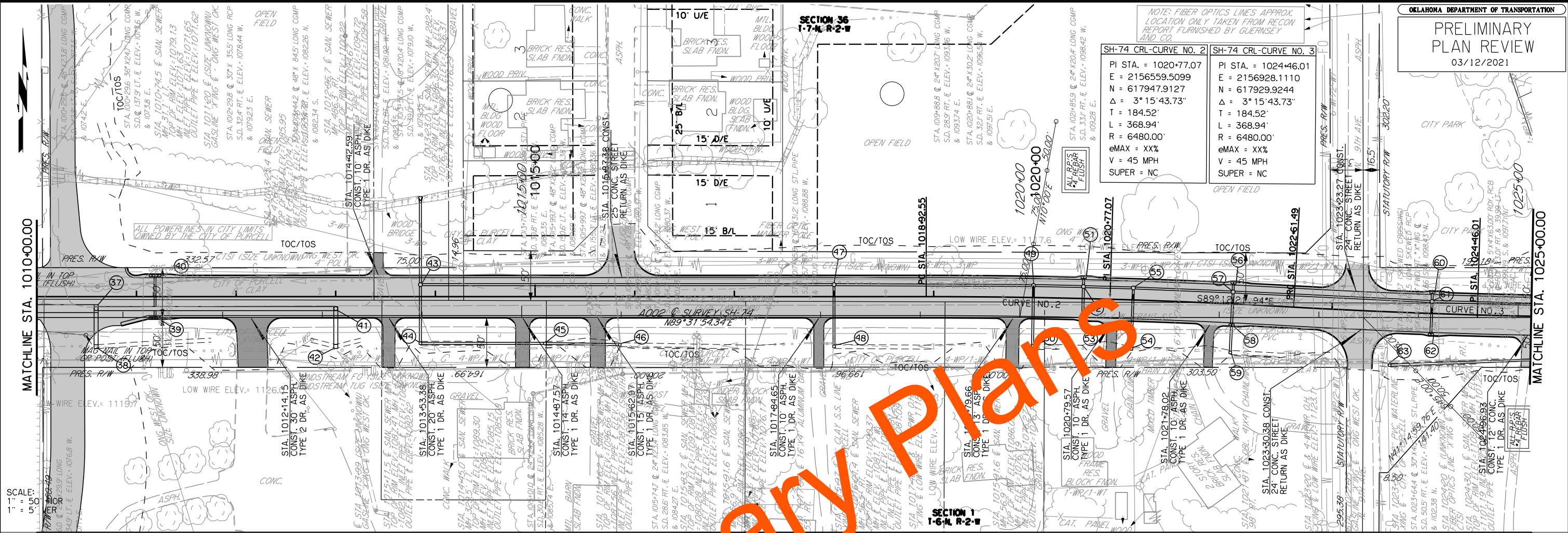
SH-74	McCLAIN COUNTY
STATE JOB NO. 32802(04)	SHEET NO. R019

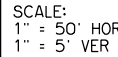


PRELIMINARY
PLAN REVIEW
03/12/2021

SH-74 CRL-CURVE NO. 2	SH-74 CRL-CURVE NO. 3
PI STA. = 1020+77.07 E = 2156559.5099 N = 617947.9127 Δ = 3°15'43.73" T = 184.52' L = 368.94' R = 6480.00' eMAX = XX% V = 45 MPH SUPER = NC	PI STA. = 1024+66.01 E = 2156928.1110 N = 617929.9244 Δ = 3°15'43.73" T = 184.52' L = 368.94' R = 6480.00' eMAX = XX% V = 45 MPH SUPER = NC

NOTE: FIBER OPTICS LINES APPROX.
LOCATION ONLY TAKEN FROM RECON
REPORT FURNISHED BY GUERNSEY
AND CO.



[illegible]

SURVEY CONTROL DATA

1. POSITIONAL CONTROL:

- A. POSITIONAL CONTROL FOR THIS SURVEY IS THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM, NAD83 (2011), LAMBERT PROJECTION (SOUTH ZONE).
- B. ACCURACY - THE POSITIONAL CONTROLS FOR THIS SURVEY MEETS OR EXCEEDS THE FOLLOWING ACCURACY CRITERIA:
1. NETWORK ACCURACY: 0.10 FOOT
 2. LOCAL ACCURACY: 0.05 FOOT

2. BEARINGS:

THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL. THE ANGLE OF VARIANCE BETWEEN GRID NORTH (GN) AND THE ASTRONOMICAL TRUE NORTH (TN) IS DEPICTED DIAGRAMMATICALLY.

3. VERTICAL CONTROLS:

- A. LEVEL DATUM IS NAVD 88 FROM STATIC GPS.
- B. ACCURACY - VERTICAL CONTROL FOR THIS SURVEY MEETS OR EXCEEDS THE FOLLOWING ACCURACY CRITERIA:
1. NETWORK ACCURACY (FROM GPS OR LEVELING): 0.10 FOOT
 2. LOCAL ACCURACY (CONFIRMED BY LEVELING): 0.02 FOOT

SURVEY BEGAN: October 30, 2018
SURVEY COMPLETED: September 5, 2019

SURVEY CREW MEMBERS:

Shawn Smith, Professional Land Surveyor II
Charles W. Pauley, Transportation Specialist Level VI
Jimmie R. Wallace, Transportation Specialist Level IV
Kristy D. Henderson, Transportation Specialist Level IV
Robert R. Barthelemy, Transportation Specialist Level IV
Corey R. Goshe, Transportation Specialist Level IV

EQUIPMENT:

Leica MS60 Total Station
Leica GS15 GPS Sensors
Wild NA-2 Automatic Level
Leica DNA-10 Electronic Level
Leica CS15 & CS20 Data Collectors

SCALES



SURVEY DATA SHEETS 1" = 50'
GEOMETRIC DATA SHEETS 1" = 500'

THIS SURVEY MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, SEPTEMBER 14, 2018.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED JANUARY, 2018 GOVERN.



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SURVEY DATA SHEETS

McCLAIN COUNTY

I - 35

SWO 5398(1)

STATE JOB NO.32802(04)

I-35 SOUTHBOUND RAMP AT SH 74W IN PURCELL

INDEX OF SURVEY SHEETS

S001.	TITLE SHEET
S002-S008.	SURVEY REPORTS
S009-S019.	SURVEY DATA SHEETS
S020-S021.	LAND TIE DATA SHEETS

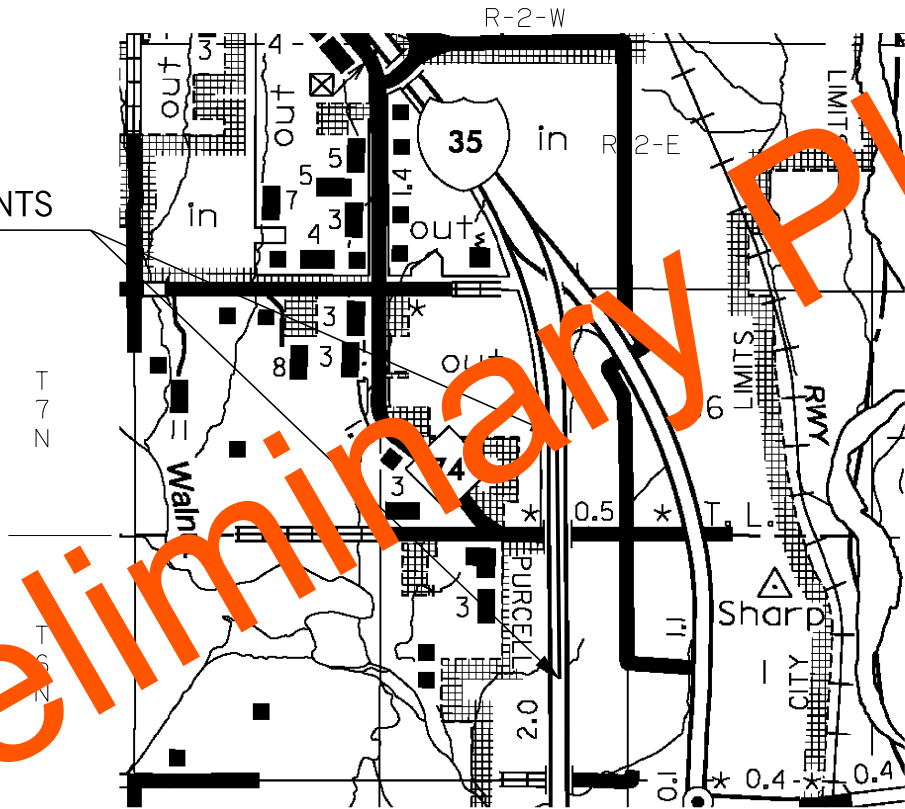
utility company owner's list

Windsream Comm.Okla.Cnty.Ok.I-405-228-2530
C.T.S.J.Stillwater.Ok.I-800-927-2027
Trace Fiber Inc.Tulsa.Ok.I-855-899-8686
Level 3 Comm.Broomfield.Co.I-877-453-8353
ONG OK West I-800-664-5463
City of Purcell I-405-527-6561

"CALL BEFORE YOU DIG"
THE NATIONAL LOCATE NUMBER

••811••

SURVEY EXTENTS



McCLAIN CO

PROJECT LENGTH 4707.28 Ft. 0.89 MI.

BEGINNING STATION : 3000+00.00
ENDING STATION : 3047+07.28

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 5398(1) Job/Piece 32802 (04) Engr. Contract No. _____

LAND SURVEYOR'S CERTIFICATION

I hereby certify that all land and property sub-division distances, angles, corners and monumentation made or used in conjunction with this survey and depicted or recorded herein or hereon were recovered, established or re-established in substantial conformity with:

- applicable instructions contained in the U.S. Government Bureau of Land Management publication "Manual of Surveying Instructions";
- its supplement, "Restoration of Lost or Obliterated Corners and Subdivision of Sections";
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by the State Board of Registration for Professional Engineers and Land Surveyors; and
- sound land surveying practices;

including a thorough search, study, analysis and consideration of all existing records and field evidence.

I further certify that all survey monuments depicted exist and that all land survey work was done by me or under my direct supervision and that it is true, accurate and correct to the best of my knowledge and belief.

Dated this 14th day of July, 2020.

Land Surveyor Shawn Smith
Signature
Shawn Smith
Printed Name



Oklahoma Registered Land Surveyor No. 1663

Certificate of Authorization No. _____ Exp. Date _____

PLS	SMS	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	SMS	SURVEY DATA SHEET SWO 5398(1)	
CHECKED	SMS		
APPROVED	DEA		
CREW	TECUMSEH		
COUNTY	McCLAIN	HIGHWAY	I-35
STATE JOB NO.	32802(04)	SHEET NO.	S001

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SURVEY DIVISION (405) 521-2621 FAX (405) 522-0364

Date: September 5, 2019
To: Mr. Kyle King, Chief of Surveys
From: Shawn Smith, Professional Land Surveyor
Subject: SWO 5398(1) – J/P No. 32802(04) – I-35 – Southbound ramp at S.H. 74W in Purcell.

I. General:
Survey Began: October 30, 2018
Survey Completed: September 5, 2019
The measurement unit for this project was the U.S. Survey Foot.

II. Assignment:
This survey was assigned to and completed by the Tecumseh field crew.

III. Purpose of Survey:
The purpose of this survey was to develop plans for a southbound ramp from I-35 to S.H. 74.

IV. Survey Limits:
Survey began at the POT Sta. 1428+00 and ended at PT sta. 1380+92.72 per FAP No. I-35-2(13)091 plans and SWO2170(1) survey.

V. Alignment:
The centerline of survey was re-established along the existing I-35 as shown on FAP No. I-35-2(13)091 plans and SWO2170(1) survey.

VI. Stationing:
Due to existing stationing running opposite of standard, new stationing was established assigning Sta. 3000+00.00 at existing Sta. 1428+00 and Sta. 3047+07.28 at Sta. 1380+92.72.

SWO 5398(1) I-35 McClain County
Historical Letter & Written Report
Page 2 of 4

- VII. Horizontal Control:
Horizontal control for this survey is the Oklahoma State Plane Coordinate System, NAD 83(2011), Lambert Projection, South Zone, from ODOT monuments established in SWO4130(1), SWO4331(1) and SWO4976(1) surveys. Static sessions were collected and processed in OPUS Projects to verify positions.
- VIII. Vertical Control:
Vertical control was taken from static sessions processed in OPUS Projects utilizing new control along with ODOT monument M-44-541. Level Datum is NAVD83.
- IX. Photo Controls:
Aerial control targets were established by consultant.
- X. Topography and DTM:
Topography and DTM data were collected by aerial imagery provided by consultant and supplemented by conventional field methods.
- XI. Land Ties:
Complete land tie information was obtained by conventional field methods within Sections 35 and 36, Township 7 North, Range 2 West, I.M. and Sections 35 and 36, Township 7 North, Range 2 West, I.M.
- XII. Existing Right of Way:
The right of way along I-35 and S.H. 74 was established from existing plans, right of way documents and right of way occupation. Right of way documents were acquired from ODOT right of way division along with the McClain County courthouse. Statutory right of way in this area is 16.5 feet each side. A search was made to determine if additional right of way had been taken, but none was found.
- XIII. Utilities:
Call OKIE was contacted throughout the course of this project. All utilities marked, along with any overhead lines, are depicted on the submitted digital file.
- XIV. Potential Environment Contamination:
During the course of the survey, the project site was carefully checked for any areas of environmental concern. No areas were found.

SWO 5398(1) I-35 McClain County
Historical Letter & Written Report
Page 3 of 4

- XV. Drainage:
Drainage areas for all drains crossing the Survey Centerline were taken from USGS quad maps that have been scanned into a Microstation Design File.
High water information was gathered by conventional field methods. The results are shown on the submitted digital file.
- XVI. Survey Data Sheets:
Survey Data Sheets were submitted in the form of a Microstation Design File as per ODOT Survey Division Standards. These were incorporated into a set of design drawings and are in substantial conformity with the ODOT Survey Division Standards for Survey Data Sheets.
- XVII. Submission of Survey Data:
1 Survey Data Sheets
2 Historical Letter & Written Report
3 Form SD-7, Public and Privately Owned Utilities List
4 Form SD-9, Final Cost Report of Survey
5 Form SD-11, Survey Control Monument Record
6 Form SD-20, Survey Control Data Statement
7 Form SD-41, Surveyor's Certification
8 Cogo Point List
9 Alignment Report
10 Benchmark & Check Levels List
11 Oklahoma Certified Corner Record Forms
12 Ownership List
13 OSSDA Field Form

PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	SMS		SURVEY DATA SHEET SWO 5398(1) COUNTY <u>McCLAIN</u> HIGHWAY <u>I-35</u> STATE JOB NO. <u>32802(04)</u> SHEET NO. <u>S002</u>	
CHECKED	SMS			
APPROVED	DEA			
CREW	TECUMSEH			

SWO 5398(1) I-35 McClain County
Historical Letter & Written Report
Page 4 of 4

XVIII. Personnel:
Shawn Smith, PLS Professional Land Surveyor Lv. II
Charles W. Pauley, Transportation Specialist Lv. VI
Jimmie R. Wallace, Jr., Transportation Specialist Lv. IV
Corey R. Goshe, Transportation Specialist Lv. IV
Robert R. Barthelemy, Transportation Specialist Lv. IV
Kristy D. Henderson, Transportation Specialist Lv. IV

Shawn Smith

Shawn Smith, PLS
ODOT Survey Division
Tecomseh Survey Office

STATE OF OKLAHOMA S.D. FORM NO. 11
DEPARTMENT OF HIGHWAYS REVISED 01/01/2015
SURVEY DIVISION
POSITION AND DESCRIPTION OF SURVEY MONUMENTS

COUNTY McClain Monument Number M-44-842 SWO 5398(1) DATE 12-26-2018

TYPE OF MONUMENT Aluminum Cap in Concrete MONUMENT SET FOR Primary control

WRITTEN DESCRIPTION OF LOCATION: From the Jct. of SH 39W and Interstate 35,
monument is approx. 1.3 mi. north along I-35 and approx. 27' east of west R/W fe.
and approx. 87' west of an asph. shld. Metal survey sign 27' W in R/W fe. line

ESTABLISHED BY: Shawn Smith PLS

COORDINATE SYSTEM: Oklahoma State Plane ZONE: South
COORDINATES (FEET) X 2155226.07011 Y 815306.47808

GEODETIC POSITION
LATITUDE 36°01'20.96734" NORTH
LONGITUDE 97°22'34.84893" WEST
ELLIPSOIDAL HEIGHT 1009.240
METHOD USED TO ESTABLISHED: GPS Static (OPUS Projects Beta)

SOURCE: NAD83(2011)

ORTHOMETRIC HEIGHT
1095.057 FEET GEOID MODEL: 12B GEOID SEPARATION: -85.817 FEET
METHOD USED TO ESTABLISHED: GPS Static (OPUS Projects Beta), Differential Leveling

SOURCE: NAVD83

GENERAL VICINITY:
SEC 2
R 2 W
T
6
N

△ = CONTROL MONUMENT
⊙ = LAND CORNER
□ = OTHER

DETAILED SKETCH:

PLS	SMS	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	SMS	
CHECKED	SMS	
APPROVED	DEA	
CREW	TECUMSEH	SURVEY DATA SHEET SWO <u>5398(1)</u>
COUNTY	<u>McCLAIN</u>	
HIGHWAY	<u>I-35</u>	STATE JOB NO. <u>32802(04)</u> SHEET NO. <u>S003</u>

CHECK LEVELS						BENCHMARK LIST		NAVD 88 DATUM SHEET 1 OF 2	
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	ADJ. ELEV.	PUBLISHED ELEV.	BM DESCRIPTION		
M-44-842									
BM 1						1095.057	ODOT Aluminum Cap in Concrete. 141' LT Sta. 3001+31		
TO	0.962	0.976	0.969	0.952					
BM 2					1096.009		Top of Delineator Post. 173' LT Sta. 3009+09		
TO	7.067	7.066	7.067	7.050					
BM 3					1103.059		Railroad Spike in 6" Brace Post. 173' LT Sta. 3015+92		
TO	-28.097	-28.110	-28.104	-28.120					
BM 4					1074.939		Cut 'T' in SE Corner of East Headwall. 39' RT Sta. 1004+70		
TO	1.272	1.274	1.273	1.256					
M-44-844									
BM 5					1076.195	1076.195	ODOT Aluminum Cap in Concrete. 137' LT Sta. 3028+15		
TO	7.851	7.855	7.853	7.860					
BM 6					1084.055		Railroad Spike in 6" Brace Post. 167' LT Sta. 3036+07		
TO	18.050	18.059	18.055	18.061					
BM 7					1102.116		Cut 'T' on NE Corner of Concrete Pedestal. 116' LT Sta. 3046+80		
TO	15.401	15.411	15.406	15.413					
BM 8					1117.529		Railroad Spike in 6" Brace Post. Outside of survey limits.		
TO	24.407	24.402	24.405	24.411					
BM 9					1141.940		Top of Delineator Post. Outside of survey limits.		
TO	-10.806	-10.795	-10.801	-10.794					
M-44-843									
BM 10					1131.146	1131.146	ODOT Aluminum Cap in Concrete. Outside of survey limits.		

M-44-844					1076.195		ODOT Aluminum Cap in Concrete. 137' LT Sta. 3028+15		
BM 5									
TO	9.826	9.830	9.828	9.842					
BM 11					1086.037		Cut 'T' on NE Corner of West Headwall. 168' LT Sta. 1011+70		
TO	24.817	24.816	24.817	24.830					
BM 12					1110.867		Cut 'T' on South Face of Concrete Curb. 117' LT Sta. 1013+13		
TO	37.854	37.855	37.855	37.868					
M-44-845									
BM 13					1148.700		ODOT Aluminum Cap in Concrete. 137' RT Sta. 1005+12		

U:\SW06398(1)_IP32802(04)\Final\report\sw06398_1_v1_sogo.txt				Tuesday, July 14, 2020 2:38 PM	
Report Results					
PT#	EASTING	NORTHING	ELEV		
1	2155226.00200	618176.45600	1095.06		
2	2155186.14700	618000.41600	1096.01		
3	2155177.51700	617668.81900	1103.06		
4	2154469.05700	617874.69900	1074.94		
5	2155200.00000	618000.41600	1076.19		
6	2155161.00100	617881.86000	1084.06		
7	2155200.00000	618000.41600	1102.12		
8	2155194.71000	620001.36100	1117.53		
9	2155195.57800	622046.75400	1141.94		
10	2155195.57800	622518.58300	1131.15		
11	2156000.07400	618090.87900	1086.04		
12	2157000.07500	617680.82400	1110.87		
13	2157001.73300	617899.53800	1148.73		
200	2155268.84499	618176.44951			
201	2155267.55845	618292.71264			
202	2155357.77989	618176.88829			
203	2155346.71479	617176.92707			
204	2155328.51940	617816.83338			
205	2155338.31219	617935.65882			
206	2155324.58458	619176.20463			
207	2155316.79085	619880.51049			
208	2154469.18808	617909.82853			
209	2154732.16295	617911.97794			
210	2154881.55110	617912.95864			
211	2184971.54757	617912.93431			
212	2155489.96711	617918.17110			
213	2155828.93354	617920.94131			
214	2155993.91372	617922.28961			
215	2156198.90702	617928.92406			
216	2156293.59073	617928.55543			
217	2156469.09130	617926.17301			
218	2156493.88902	617926.17301			
219	2156813.88048	617928.99080			
220	2157077.37434	617931.14421			
221	2157145.24275	617931.69887			
222	2157365.23762	617933.49678			
223	2157469.05790	617934.34525			
224	2157565.55794	617935.13390			
225	2157740.55386	617936.56406			
226	2157868.85587	617937.61261			
227	2157968.05353	617938.42984			
228	2158134.65172	617939.78483			
229	2158280.93668	617940.98034			
230	2158382.94009	616612.75510			
231	2152659.36473	619397.29342			
232	2152859.97330	619245.71136			
233	2153014.43820	619047.31400			
234	2153556.21703	618351.44402			
235	2153903.64094	617905.20683			
236	2154166.05815	617907.35144			
237	2153885.95861	617927.91521			
238	2154166.76073	617940.18392			
239	2154246.59087	617929.81338			
240	2155275.48406	614576.48624			
241	2155301.90112	621226.07913			
242	2155273.22692	623817.32547			
243	2152819.30979	626896.07515			
244	2155288.02385	620574.99664			
245	2155309.10475	620575.09688			
246	2154782.67249	623213.64667			

PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION	
DRAWN	SMS		SURVEY DIVISION	
CHECKED	SMS		SURVEY DATA SHEET	
APPROVED	DEA			
CREW	TECUMSEH			
COUNTY	McCLAIN	HIGHWAY	1-35	STATE JOB NO. 32802(04) SHEET NO. S005

U:\SW06388(1)_JP32802(04)\Finalreport\sw06388_1_vf_sogo.txt			Tuesday, July 14, 2020 2:38 PM
7600	2155209.84417	614723.79997	
7601	2155197.55809	615291.80519	
7602	2155195.53897	615474.55007	
7603	2155190.25955	615499.49322	
7604	2155177.93942	616612.84694	
7605	2155164.18842	617855.50671	
7606	2154971.16899	617352.99497	
7607	2154854.22236	617852.97351	
7608	2154731.09946	617851.96728	
7609	2154166.24368	617847.35181	
7610	2154468.74947	617959.82686	
7611	2154596.62034	617960.87189	
7612	2154896.60721	617963.32353	
7613	2155147.97169	617965.97781	
7614	2155140.12876	618674.13287	
7615	2155159.02103	618774.34805	
7616	2155146.80126	619878.63242	
7617	2155631.05116	614978.51982	
7618	2155627.55901	615294.10050	
7619	2155621.61339	615804.28817	
7620	2155594.97914	615978.99018	
7621	2155577.94094	616614.92272	
7622	2155492.86854	617524.73718	
7623	2155490.84407	617707.68567	
7624	2155489.06828	617868.16209	
7625	2155490.17546	617868.16209	
7626	2155829.14720	617870.94139	
7627	2155994.13160	617872.28972	
7628	2156194.12068	617873.92414	
7629	2156394.06944	617875.55822	
7630	2156494.06700	617876.37545	
7631	2156797.55957	617878.85575	
7632	2156799.61530	617883.47318	
7633	2156832.69115	617282.52263	
7634	2156830.93591	617773.61928	
7635	2156839.43555	617773.64966	
7636	2156932.66723	617879.95992	
7637	2157077.55305	617881.14400	
7638	2157145.42146	617881.69866	
7639	2157365.41632	617883.49657	
7640	2157565.73665	617885.13369	
7641	2157740.73257	617886.56385	
7642	2157869.03458	617887.61240	
7643	2157969.03225	617888.42963	
7644	2158134.85742	617889.78484	
7645	2158141.05650	617889.83550	
7646	2158249.27525	617816.04544	
7647	2158326.55524	617288.19226	
7648	2158095.43609	618334.47606	
7649	2158169.44362	617990.07083	
7650	2157572.99748	617985.19637	
7651	2156829.93517	617979.12368	
7652	2156826.58924	618281.30760	
7653	2156774.62237	618503.19814	
7654	2156779.59696	618019.97759	
7655	2156755.27445	617993.24561	
7656	2155910.47710	617971.60940	
7657	2155895.52048	617971.48716	
7658	2155820.52388	617970.97425	
7659	2155487.96176	617968.15538	
7660	2155480.10795	618677.89500	
7661	2155517.89248	618878.32536	
7662	2155504.65035	620074.99919	

U:\SW06388(1)_JP32802(04)\Finalreport\sw06388_1_vf_sogo.txt			Tuesday, July 14, 2020 2:38 PM
7664	2155572.01871	617150.10718	
7664	2154166.11009	617896.43695	
7665	2154108.51727	617812.58123	
7666	2152957.28553	617911.79086	
7667	2152748.53838	617910.69990	
7668	2152839.89859	617938.95160	
7669	2154016.36062	617945.10005	
7670	2153516.76444	619320.72769	
7671	2152974.98561	619016.59766	
7672	2152629.22167	619357.40112	
7673	2152689.50780	619437.18572	
7674	2152053.89079	619078.03034	
7675	2154061.78130	619084.17360	
7676	2153603.56014	618388.30363	
7677	2154460.66775	617969.82652	
7678	2155462.44419	620274.14584	
7679	2155459.10604	620575.80986	
7680	2155451.89194	621227.73889	
7681	2155118.71478	620559.27348	
7682	2155120.93042	620574.20072	
7683	2155131.19220	620659.10677	
7684	2155125.86214	620757.44428	
7685	2155093.76946	620853.75621	
7686	2155054.09245	621202.88521	
7687	2155214.39693	614673.84369	
7688	2155215.49385	614574.71582	
7689	2155601.87207	614578.99140	
8000	2151520.08136	616593.56477	
8001	2152846.16227	616600.74637	
8002	2152840.05101	617922.45236	
8003	2154172.24338	616607.73936	
8004	2155495.39875	616614.99438	
8005	2155489.89086	617938.7042	
8006	2156810.58415	616621.36075	
8007	2156140.05859	61625.32742	
8008	2158134.85742	617889.78484	
8009	2159461.11427	617889.78484	
8010	215773.01136	617889.78484	
8011	215773.01136	617889.78484	
8012	2155577.51968	616650.77870	
8013	2155176.72299	616722.77429	
8014	2155017.99520	616721.82441	
8015	2155017.99520	616721.82441	
8016	2155017.99520	616721.82441	
8017	2155017.99520	616721.82441	
8018	2155017.99520	616721.82441	
8019	2155017.99520	616721.82441	
8020	2155017.99520	616721.82441	
8021	2155017.99520	616721.82441	
8022	2155017.99520	616721.82441	
8023	2155017.99520	616721.82441	
8024	2155017.99520	616721.82441	
8025	2155017.99520	616721.82441	
8026	2155017.99520	616721.82441	
8027	2155017.99520	616721.82441	
8028	2155017.99520	616721.82441	
8029	2155017.99520	616721.82441	
8030	2155017.99520	616721.82441	
8031	2155017.99520	616721.82441	
8032	2155017.99520	616721.82441	
8033	2155017.99520	616721.82441	
8034	2155017.99520	616721.82441	
8035	2155017.99520	616721.82441	
8036	2155017.99520	616721.82441	

U:\SW06388(1)_JP32802(04)\Finalreport\sw06388_1_vf_sogo.txt			Tuesday, July 14, 2020 2:38 PM
8037	2155172.46279	617107.76313	
8038	2155171.41990	617202.00796	
8039	2155034.95029	617151.54653	
8040	2155013.00626	617173.37668	
8041	2155170.55959	617279.75260	
8042	2155066.21109	617279.19388	
8043	2155065.57253	617278.65503	
8044	2155066.14118	617172.45004	
8045	2155065.16391	617276.88591	
8046	2154696.20606	617426.71184	
8047	2154850.95110	617583.04205	
8048	2155167.18472	617584.73527	
8049	2154863.75135	617595.98011	
8050	2154942.21969	617789.32593	
8051	2154942.09217	617823.95343	
8052	2154971.87011	617853.69562	
8053	2154971.44177	617933.69448	
8054	2154851.44349	617933.05197	
8055	2154851.87183	617853.05311	
8056	2154882.09203	617823.21417	
8057	2154882.22055	617789.00467	
8058	2154821.09839	617638.17575	
8059	2154689.94503	617505.61335	
8060	2154653.63210	617469.91047	
8061	2154575.16477	617276.56466	
8062	2154169.07034	617274.39029	
8063	2154554.65695	617639.46039	
8064	2154901.81058	617639.10549	
8065	2154167.34289	617637.38493	
8066	2154730.34409	617809.34456	
8067	2154732.52519	617932.41524	
8068	2154596.92540	617931.68919	
8069	2154896.92110	617933.29547	
8070	2154593.16242	618291.66952	
8071	2154718.16069	618292.33891	
8072	2154717.58573	618347.32580	
8073	2154715.02492	618592.31249	
8074	2154821.02357	618592.86413	
8075	2154823.58421	618347.90335	
8076	2154892.58323	618348.27280	
8077	2155141.00964	618594.52940	
8078	2155711.93914	616615.61809	
8079	2155711.05730	616695.51323	
8080	2155577.06425	616694.14787	
8081	2155576.18015	616774.04298	
8082	2155710.17319	616775.40834	
8083	2155709.28909	616855.20345	
8084	2155875.29605	616853.93809	
8085	2155574.41195	616933.82320	
8086	2155708.40499	616935.19555	
8087	2155707.52089	617015.09366	
8088	2155573.52785	617013.72831	
8089	2155572.64374	617093.62341	
8090	2155706.64810	617094.59589	
8091	2155705.77199	617174.26493	
8092	2155705.71839	617179.18706	
8093	2155567.19197	617172.95283	
8094	2155524.47280	617275.14934	
8095	2155721.04553	617225.45382	
8096	2155767.16792	617253.78142	
8097	2155766.98097	617497.94178	
8098	2155511.49462	617436.57703	
8099	2155995.99364	617439.17120	
8100	2155996.26733	617375.12102	

PLS	SMS	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	SMS	
CHECKED	SMS	
APPROVED	DEA	
CREW	TECUMSEH	SURVEY DATA SHEET SWO 5398(11)
COUNTY	McCLAIN	
HIGHWAY		1-35
STATE JOB NO.		32802(04)
SHEET NO.		S006

U:\SW06388(1)_JP32802(04)\Finalreport\sw06388_1_vf.sogo.txt				Tuesday, July 14, 2020 2:38 PM
8101	2155895.39989	617578.11917		
8102	2155994.71170	617729.16846		
8103	2155829.71406	617798.28501		
8104	2155820.87825	617928.24262		
8105	2155828.85943	617928.28318		
8106	2155895.87410	617928.64419		
8107	2155910.84136	617928.72433		
8108	2155992.84017	617929.16874		
8109	2156153.82730	617940.23959		
8110	2156156.37568	617580.24287		
8111	2156295.84666	617378.31403		
8112	2156295.12111	617581.31274		
8113	2156495.11968	617581.84816		
8114	2156293.83448	617941.31044		
8115	2156492.83200	617941.84586		
8116	2156815.11509	617582.56152		
8117	2156816.19127	617282.46001		
8118	2157079.68927	617282.46006		
8119	2157292.55712	617284.64748		
8120	2157391.26565	617645.96517		
8121	2157266.26569	617645.87029		
8122	2157266.17548	617671.09074		
8123	2157266.50788	617578.09134		
8124	2157146.51020	617577.08195		
8125	2157028.82603	617944.59614		
8126	2157077.32564	617944.76820		
8127	2157145.19493	617945.07960		
8128	2157265.13261	617946.08599		
8129	2157565.51550	617947.00811		
8130	2157572.42042	617947.04438		
8131	2157740.51366	617947.81103		
8132	2157566.40903	617697.00970		
8133	2157566.49888	617672.00986		
8134	2157741.40719	617697.81263		
8135	2157742.87914	617285.97705		
8136	2157871.18328	617286.46400		
8137	2157869.56791	617728.40105		
8138	2157869.06751	617878.40016		
8139	2157969.56686	617728.85987		
8140	2157969.06646	617878.85897		
8141	2157868.81721	617948.29971		
8142	2157968.81626	617948.85853		
8143	2157971.18251	617286.84352		
8144	2158137.33529	617287.47412		
8145	2157750.68854	617986.64855		
8146	2157746.86420	618331.62735		
8147	2157839.54109	618332.28721		
8148	2157837.56669	618502.97676		
8149	2157567.28867	618500.16473		
8150	2157522.99914	617984.78776		
8151	2157520.89298	618174.77608		
8152	2157448.44540	618174.18400		
8153	2157450.55156	617984.19568		
8154	2157275.08408	617983.57852		
8155	2157272.97792	618172.56724		
8156	2157296.50051	618172.93406		
8157	2157297.60667	617982.94573		
8158	2157217.59780	617982.29186		
8159	2157150.58227	618171.74971		
8160	2157095.25740	618208.20524		
8161	2156967.35848	618150.51369		
8162	2156987.28288	618092.89825		
8163	2157121.93541	618132.78753		
8164	2157148.61343	618057.26682		
				-5-

U:\SW06388(1)_JP32802(04)\Finalreport\sw06388_1_vf.sogo.txt				Tuesday, July 14, 2020 2:38 PM
8165	2157007.19922	618037.30538		
8166	2157027.10784	617980.72508		
8167	2157175.29144	617981.94611		
8168	2156947.53902	618206.83097		
8169	2156809.97081	618291.53784		
8170	2156662.75110	618460.74817		
8171	2156434.64403	618248.53226		
8172	2156220.66698	618242.42939		
8173	2156092.49623	618241.70029		
8174	2156093.39510	618160.55134		
8175	2156229.19690	618160.42114		
8176	2156229.71390	618080.43281		
8177	2156094.28120	618080.55624		
8178	2156095.01056	618014.71028		
8179	2156120.28710	617989.94567		
8180	2156220.29553	617990.42469		
8181	2155910.28755	617988.72127		
8182	2156020.28772	617989.31024		
8183	2156045.01046	618014.44257		
8184	2156044.28364	618080.05854		
8185	2155909.29070	618079.71374		
8186	2155908.40461	618158.71084		
8187	2156043.39755	618160.05363		
8188	2156042.51146	618240.04873		
8189	2155907.51852	618238.70593		
8190	2155902.52317	618598.49771		
8191	2155898.42609	619058.65563		
8192	2156801.41314	619063.49041		
8193	2155898.91680	619818.04463		
8194	2155506.40792	619916.16383		
8195	2155481.01087	618596.68324		
8196	2155812.76970	618598.38056		
8197	2155814.62072	618511.08956		
8198	2155889.61965	618519.41055		
8199	2154167.61952	617579.34700		
8200	2153955.91952	617584.71700		
8201	2153956.91952	617579.34700		
8202	2157749.47498	617579.45211		
8203	2157749.45211	617579.45211		
8204	2153956.91952	617579.45211		
8205	2153956.91952	617579.45211		
8206	2153956.91952	617579.45211		
8207	2153956.91952	617579.45211		
8208	2153956.91952	617579.45211		
8209	2153956.91952	617579.45211		
8210	2153956.91952	617579.45211		
8211	2152610.29916	618985.51028		
8212	2152197.22103	618985.43286		
8213	2152193.27861	619686.80453		
8214	2152827.11317	619322.96864		
8215	2152821.75447	619902.04646		
8216	2154145.67182	619909.49627		
8217	2154165.12176	618010.56704		
9001	2151397.83991	612629.08002		
9002	2154191.14101	612636.59952		
9003	2156842.86991	612654.62292		
9004	2159480.07577	612650.15131		
9005	2159467.72494	615202.91527		
9006	2156823.27511	615300.48312		
9007	2154178.59110	615286.26572		
9008	2151526.01401	615272.20682		
9009	2151514.14871	617915.52272		
9010	2154165.95331	617929.38162		
9011	2156813.82841	617942.55922		
				-6-

U:\SW06388(1)_JP32802(04)\Finalreport\sw06388_1_vf.sogo.txt				Tuesday, July 14, 2020 2:38 PM
9012	2159455.39411	617955.67922		
9013	2159425.89661	620594.98257		
9014	2156784.57811	620582.11032		
9015	2154138.91132	620569.53448		
9016	2154192.39991	620556.95462		
9017	2154160.60741	623206.28962		
9018	2154111.85621	623210.96802		
9019	2154156.88941	623221.52992		
9020	2159396.39911	623234.28592		
				-7-

PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
DRAWN	SMS			
CHECKED	SMS		SURVEY DATA SHEET SWO 5398(11)	
APPROVED	DEA			
CREW	TECUMSEH			
COUNTY	McCLAIN	HIGHWAY	I-35	STATE JOB NO. 32802(04) SHEET NO. S007

Horizontal Alignment Review Report

Report Created: 7/20/2020
Time: 9:21am

Project: swo5398_1_v2
Description: swo5398_1_v2
File Name: C:\SWO5398(1)_JP328(2)(04)\Summer 2020 Revision\civil\swo5398_1_v2.alg
Last Revised: 325248 7/20/2020 9:20:48 AM
Input Grid Factor: 1.00000000

Note: All units in this report are in feet unless specified otherwise.

Alignment Name: A001
Alignment Description: CL I 35
Alignment Style: Centerline

	Station	Northing	Easting
Element: Linear			
POB (340)	2994+00.00	614576.48624	2155375.48406
POE (307)	3047+04.35	619880.51349	2155316.79085
Tangential Direction:	N 0°38'02.39" W		
Tangential Length:	5304.35		

Alignment Name: A002
Alignment Description: CL SH 74
Alignment Style: Centerline

	Station	Northing	Easting
Element: Circular			
PC ()	975+67.50	619397.29342	2152659.36473
PI ()	978+18.94	619245.71136	2152859.67330
CC ()	617875.78556	2151509.68139	
PT ()	980+67.49	619047.31400	2153014.43820
Radius:	1907.04		
Delta:	15°01'18.78" Right		
Degree of Curvature (Arc):	3°00'15.94"		
Length:	409.09		
Tangent:	251.44		
Chord:	498.56		
Middle Ordinate:	16.36		
External:	16.50		
Tangent Direction:	S 52°55'29.04" E		
Radial Direction:	S 37°04'30.36" W		
Chord Direction:	S 45°24'50.25" E		
Radial Direction:	S 52°05'49.14" W		
Tangent Direction:	S 37°54'10.86" E		

Element: Linear			
PT ()	980+67.49	619047.31400	2153014.43820

PC ()	989+40.40	618351.44402	2153556.21703
Tangential Direction:	S 37°54'10.86" E		
Tangential Length:	881.91		
Element: Circular			
PC ()	989+40.40	618351.44402	2153556.21703
PI ()	995+14.93	617905.20683	2153903.64094
CC ()	619054.94029	2154459.79964	
PT ()	1000+00.00	617909.82853	2154469.15808
Radius:	1145.15		
Delta:	52°33'54.81" Left		
Degree of Curvature (Arc):	5°00'12.03"		
Length:	1050.60		
Tangent:	565.54		
Chord:	1014.14		
Middle Ordinate:	118.38		
External:	132.03		
Tangent Direction:	S 37°54'10.86" E		
Radial Direction:	S 52°05'49.14" W		
Chord Direction:	S 64°11'08.28" E		
Radial Direction:	S 0°28'05.61" W		
Tangent Direction:	N 89°31'54.34" W		

Element: Linear			
PT ()	1000+00.00	617909.82853	2154469.15808
POE (309)	3038+00.00	617940.88600	2158280.93068
Tangential Direction:	S 89°31'54.34" W		
Tangential Length:	1000.00		

Alignment Name: A003
Alignment Description: CL Northbound Lane
Alignment Style: Centerline

	Station	Northing	Easting
Element: Linear			
POB (307)	3047+04.35	619880.51349	2155316.79085
POE (341)	3080+50.00	621228.07913	2155301.90112
Tangential Direction:	N 0°38'02.39" W		
Tangential Length:	1345.65		

Alignment Name: A004
Alignment Description: CL Southbound Lane
Alignment Style: Centerline

	Station	Northing	Easting
Element: Circular			
PC (307)	3047+04.35	619880.51349	2155316.79085
PI ()	3086+41.41	623817.32847	2155273.22692
CC ()	619753.71674	2143858.33638	

PT (343)	3122+88.88	626896.07515	2152819.30579
Radius:	11459.16		
Delta:	37°55'21.61" Left		
Degree of Curvature (Arc):	0°30'00.00"		
Length:	7584.53		
Tangent:	3937.06		
Chord:	7448.85		
Middle Ordinate:	621.80		
External:	657.47		
Tangent Direction:	N 0°38'02.39" W		
Radial Direction:	N 89°21'57.81" E		
Chord Direction:	N 19°35'43.19" W		
Radial Direction:	N 51°28'36.00" E		
Tangent Direction:	N 38°33'24.00" W		

PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	SMS		
CHECKED	SMS		
APPROVED	DEA		
CREW	TECUMSEH		SURVEY DATA SHEET SWO 5398(1)
COUNTY	McCLAIN	HIGHWAY 1-35	
		STATE JOB NO. 32802(04)	SHEET NO. S008

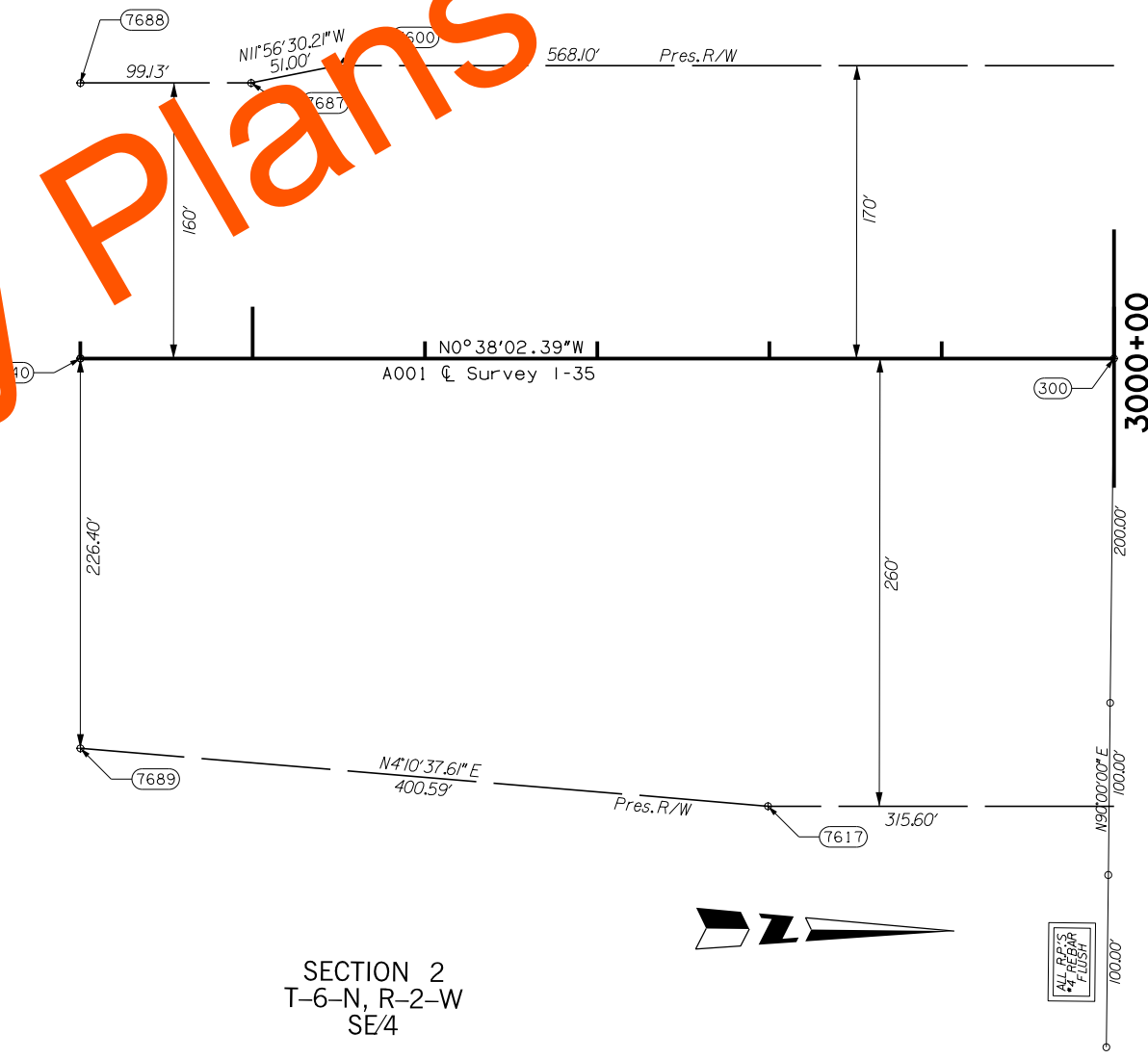
Preliminary Plans

SECTION 2
T-6-N, R-2-W
SE/4

POT Sta. 2994+00.00
Not Set

2995+00

3000+00



SECTION 2
T-6-N, R-2-W
SE/4

SCALE			0	50	100	150	200	250 Feet
PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION					
DRAWN	SMS		SURVEY DIVISION					
CHECKED	SMS		SURVEY DATA SHEET					
APPROVED	DEA							
CREW	TECUMSEH							
COUNTY	McCLAIN	HIGHWAY	I-35	STATE JOB NO.	32802(04)	SHEET NO.	S009	

SECTION 2
T-6-N, R-2-W
SE/4

3000+00
POB Sta. 3000+00.00
Begin SW05398(1) Survey
=Sta. 1428+00.00
SW02170(1) Survey
Set #4 Rebar

POT Sta. 3001+16.27
0+137.5 1/4 Sec. Line
145.74' E to 1/4 Sec. Cor.
1189.04' W to Cen. Sec.
Set #4 Rebar

3005+00

3010+00

SECTION 2
T-6-N, R-2-W
NE/4

1006.83'
S89°41'35.60"W

(8011) (8014) 72' 72'

160.37' 10' U/E 6 7 159.96'

Westbrook Phase II

Pres. R/W 72' 72'

(8012) (8013)

175'

3014+00

225'

Pres. R/W

SECTION 2
T-6-N, R-2-W
NE/4



SCALE 0 50 100 150 200 250 Feet

PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	SMS		SURVEY DIVISION
CHECKED	SMS		
APPROVED	DEA		SURVEY DATA SHEET
CREW	TECUMSEH		SWO 5398(11)
COUNTY	McCLAIN	HIGHWAY	I-35 STATE JOB NO. 32802(04) SHEET NO. S010

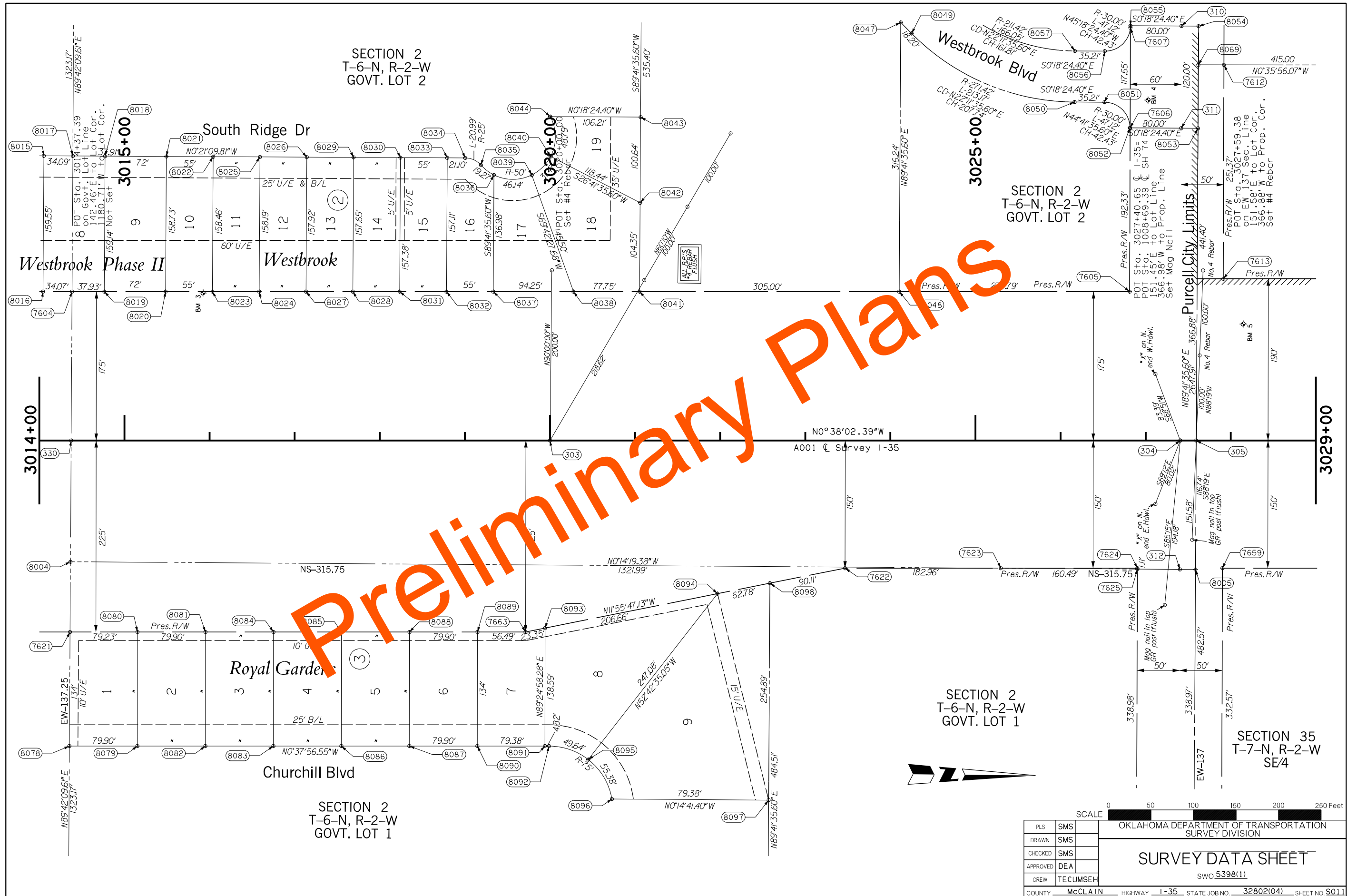
BEARING EQUATION:
N 0°38'02.39" W this survey =
S 0°24'57" E on F.A.P. No. 1-35-2(13)091 Plans =
S 0°24'57" E on S.W.O. 2170(1) Survey

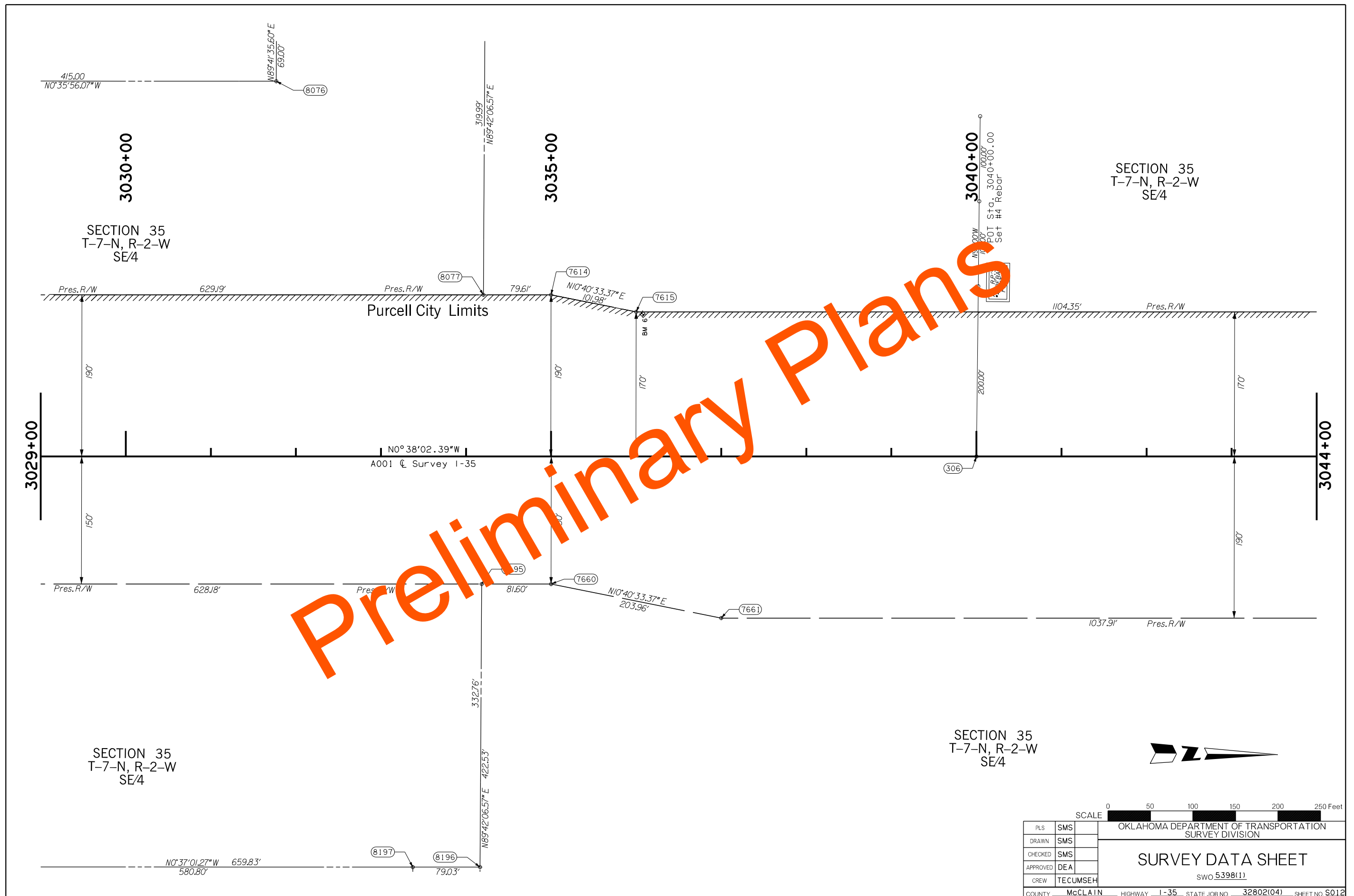
STATION EQUATION:
Sta. 3000+00 this survey =
Sta. 1428+00 on F.A.P. No. 1-35-2(13)091 Plans =
Sta. 1428+00 on S.W.O. 2170(1) Survey.

ALL REBARS
FRESH

SECTION 2
T-6-N, R-2-W
SE/4

EW-137.5
ALL REBARS
FRESH





3045+00

SECTION 35
T-7-N, R-2-W
SE/4

3050+00

3055+00

CURVE DATA - C3
P.I. Sta. 3086+41.41
X=2155273.2269
Y=623817.3285
Δ=37°55'21.61" Lt.
D=0°30'00"
T=3937.06'
L=7584.53'
R=11459.16'
E=657.47'

3044+00

A001 C Survey I-35
N0°38'02.39"W

(307)

BM 7

(7616)

PT Sta. 3047+04.35
End SW05398(1) Survey
Sta. 1380+92.72
SW02170(1) Survey
Set #4 Rebar

N9°00'00"W
100.00'

170'

190'

N89°43'08.55"E
382.51'

BEARING EQUATION:

N 0°38'02.39" W this survey =
S 0°24'57" E on F.A.P. No. 1-35-2(13)091 Plans =
S 0°24'57" E on S.W.O. 2170(1) Survey

STATION EQUATION:

Sta. 3047+04.35 this survey =
Sta. 1380+92.72 on F.A.P. No. 1-35-2(13)091 Plans =
Sta. 1380+92.72 on S.W.O. 2170(1) Survey.

R=11289.16'
L=681.32'
CD=N2°21'46.64"W
CH=681.22'

POC Sta. 3053+99.54
(Southbound Lane)
On EW 136.5 1/4 Sec. Line
1496.57' East to 1/4 Sec. Cor.
1149.13' West to Cen. Sec.
Not Set

POT Sta. 3053+98.98
(Northbound Lane)
On EW 136.5 1/4 Sec. Line
1475.49' East to 1/4 Sec. Cor.
1170.21' West to Cen. Sec.
Not Set

(7681)

(7682)

(7683)

(7685)

R=11289.16'
L=351.39'
CD=N6°29'00.96"W
CH=351.38'

BM 8

A004 C Survey I-35
Southbound Lane
C3

A003 C Survey I-35
Northbound Lane
N0°38'02.39"W

(345)

(7679)

N89°43'39.55"E
2645.70'

EW-136.5

651.97' Pres.R/W

3058+00

3058+00

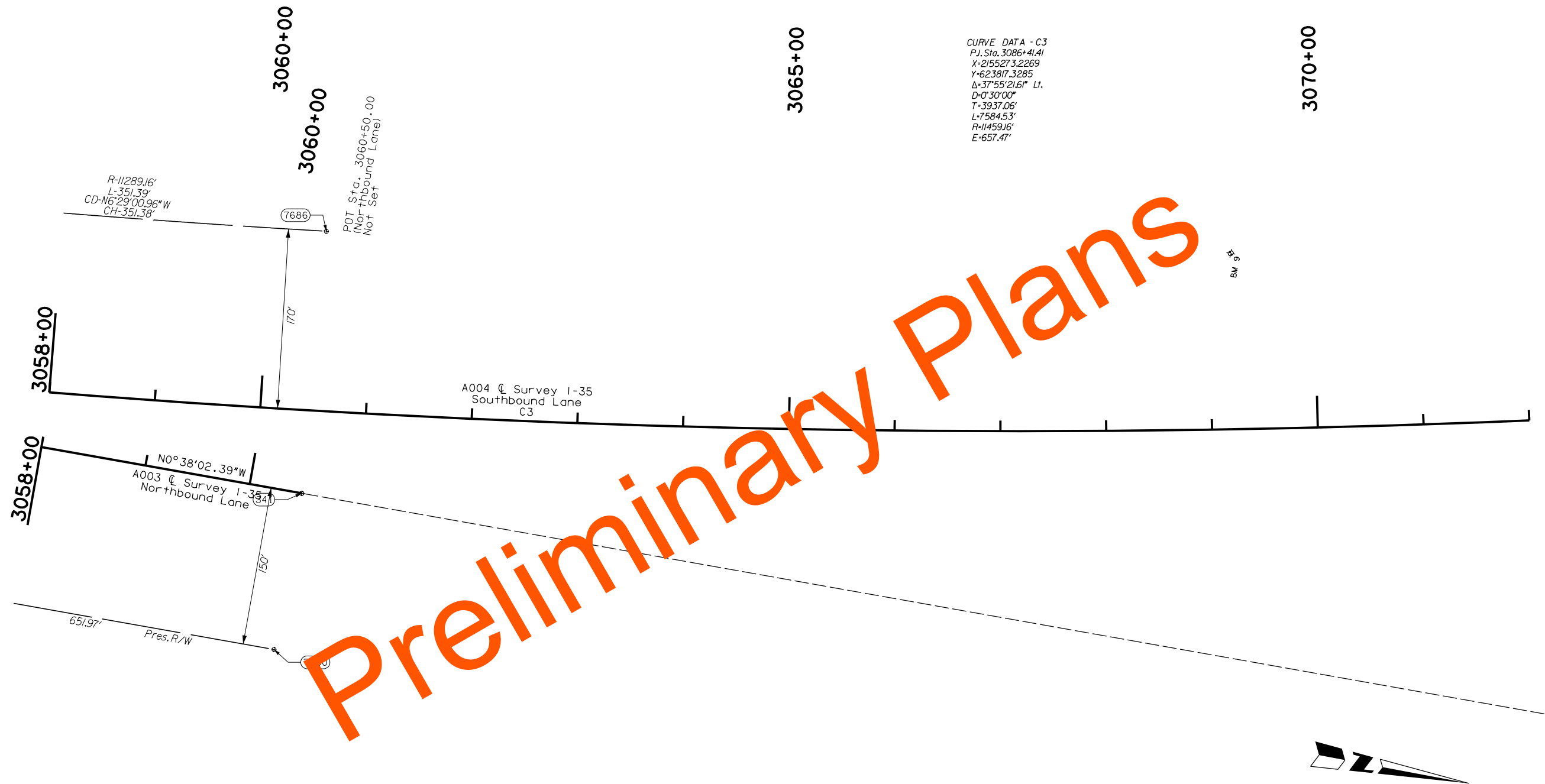


SCALE 0 50 100 150 200 250 Feet

PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	SMS		SURVEY DIVISION
CHECKED	SMS		
APPROVED	DEA		
CREW	TECUMSEH		
COUNTY	McCLAIN	HIGHWAY	I-35
STATE	JOB NO.	32802(04)	SHEET NO. S013

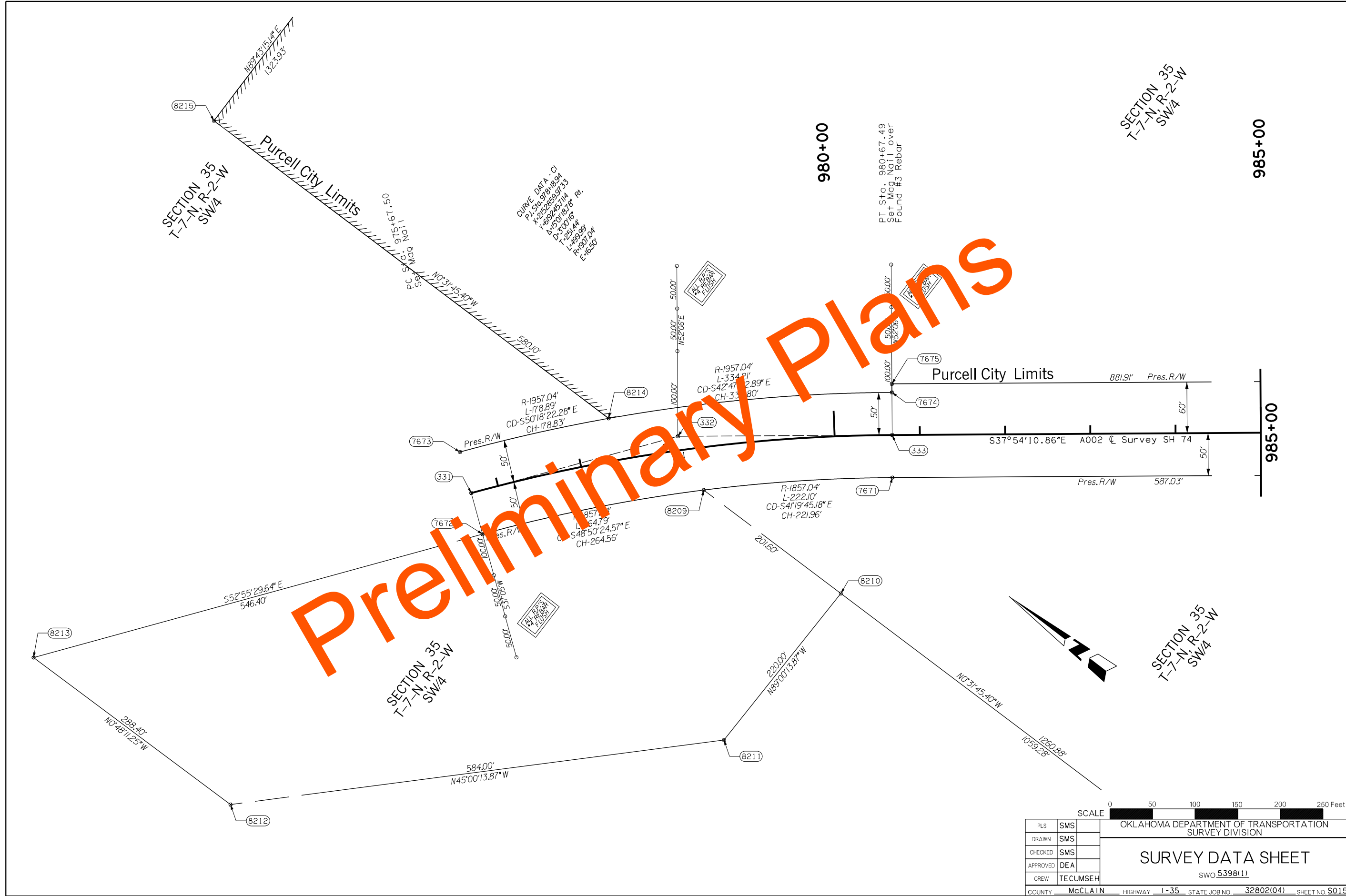
SURVEY DATA SHEET

SWO 5398(1)

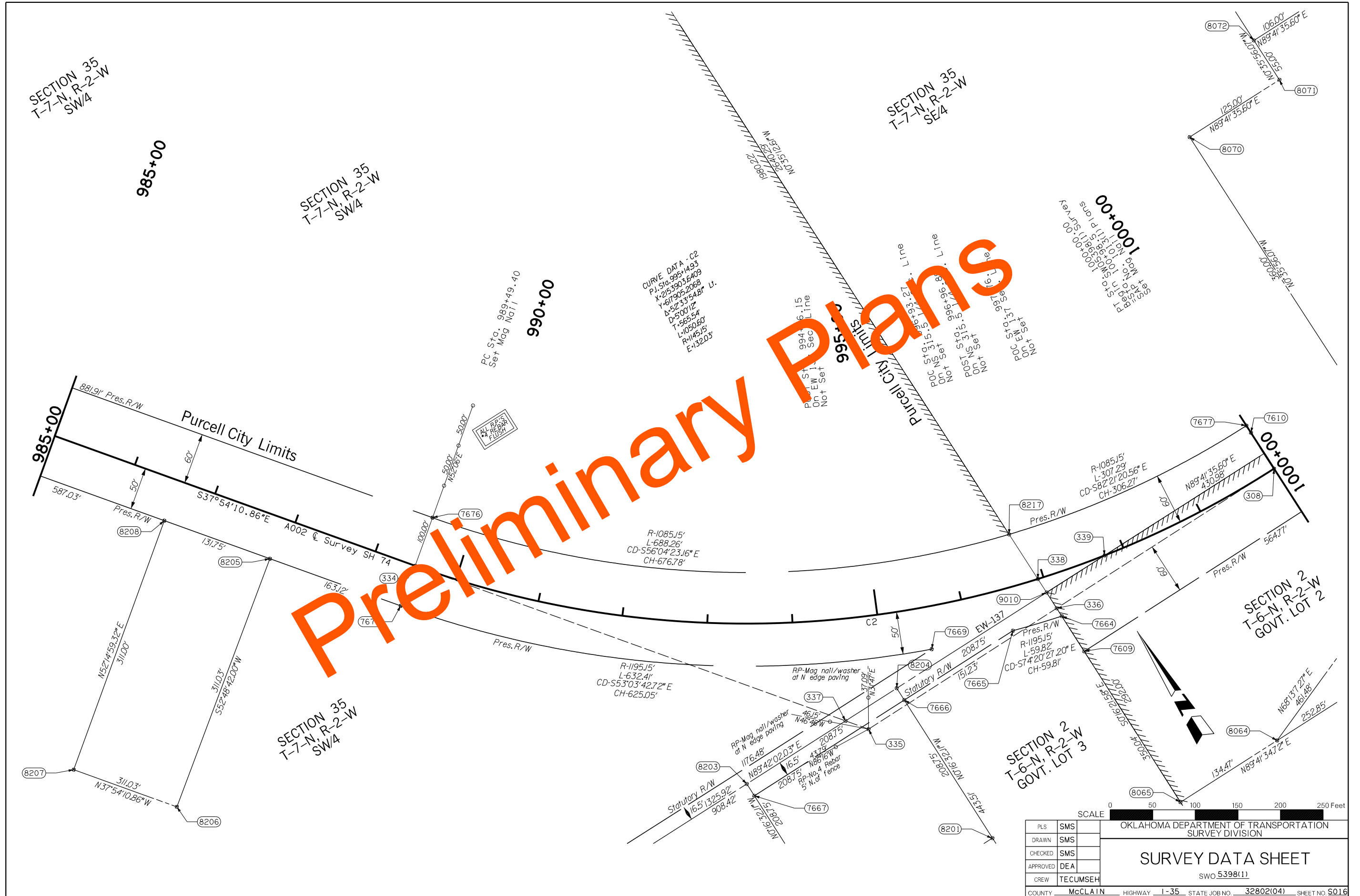


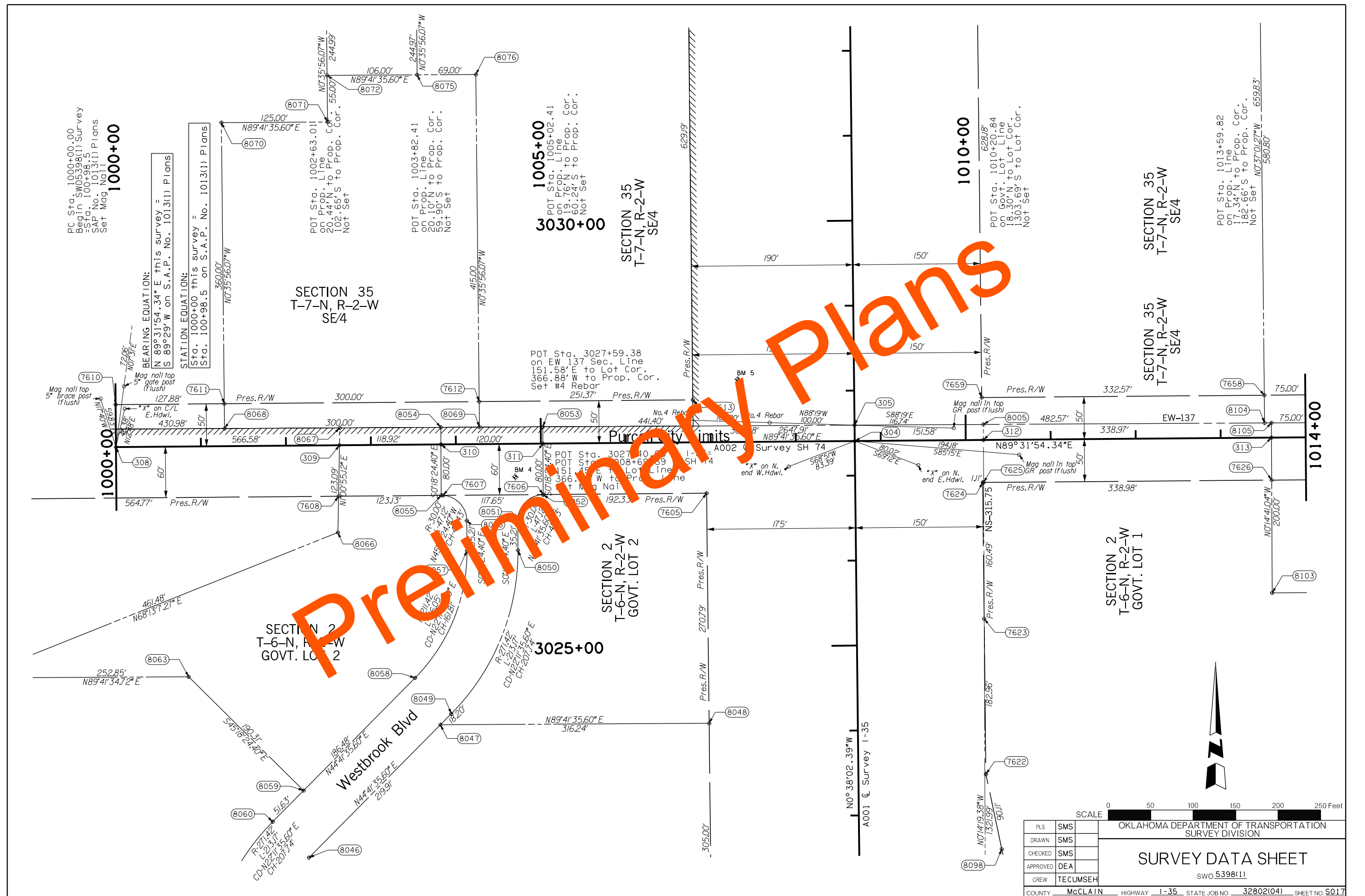
SCALE			0	50	100	150	200	250 Feet			
PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION								
DRAWN	SMS										
CHECKED	SMS		SURVEY DATA SHEET								
APPROVED	DEA										
CREW	TECUMSEH										
			SWO <u>5398(1)</u>								
COUNTY	<u>McCLAIN</u>		HIGHWAY	<u>I-35</u>		STATE JOB NO.	<u>32802(04)</u>		SHEET NO.	<u>S014</u>	

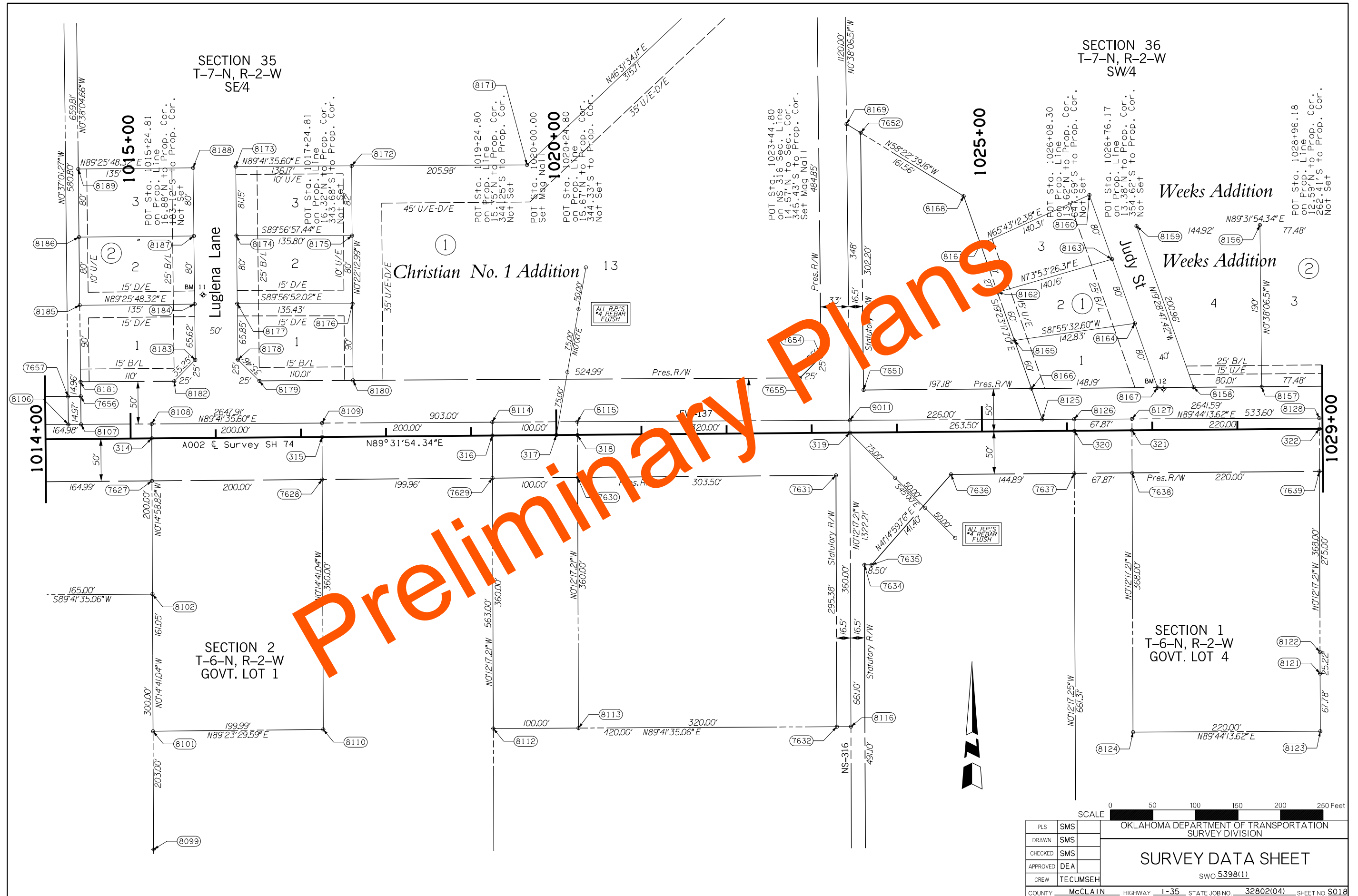
SWO 5398(11)

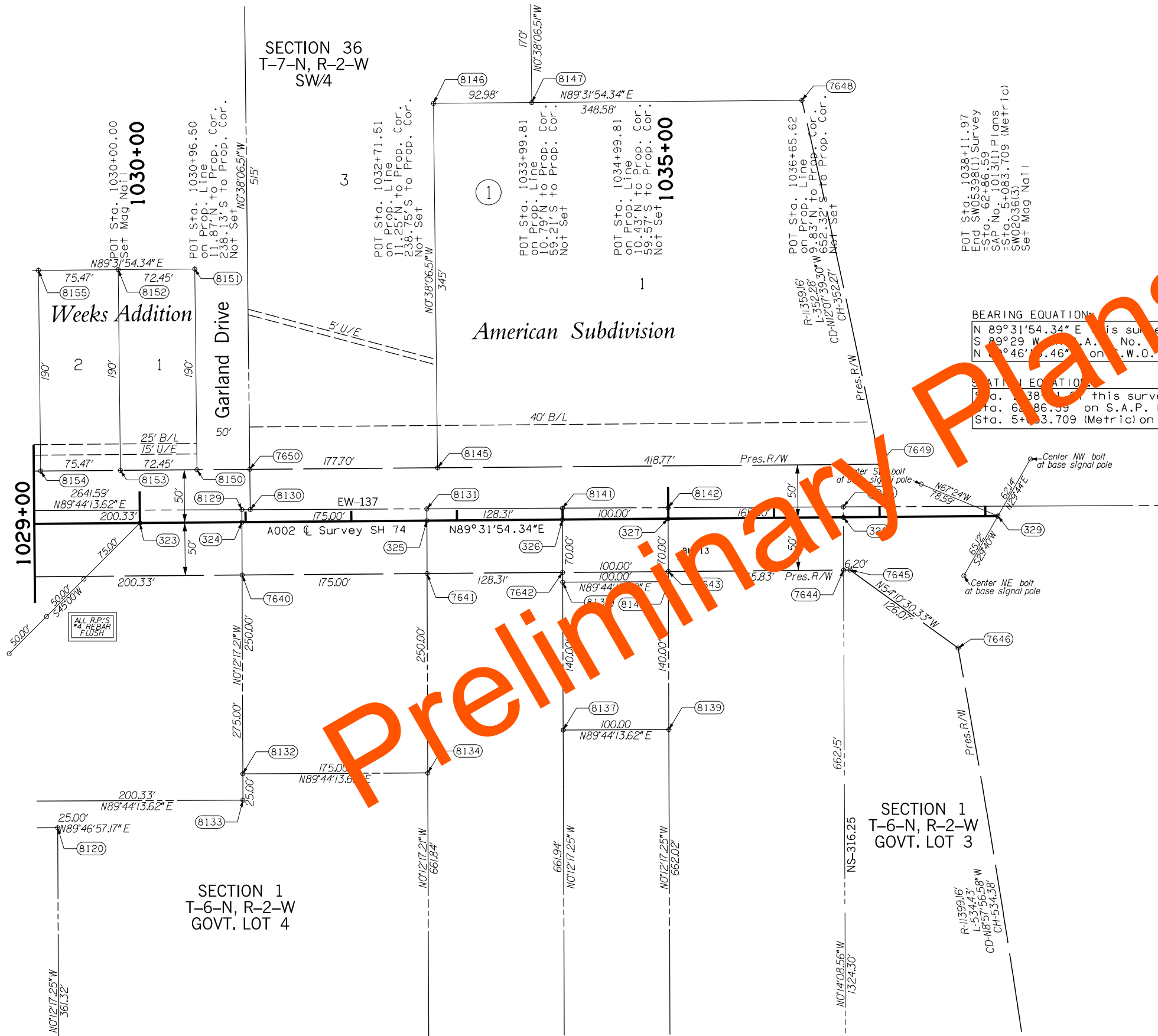


SCALE		0	50	100	150	200	250
PLS	SMS	OKLAHOMA DEPARTMENT OF TRANSPORTATION					
DRAWN	SMS	SURVEY DIVISION					
CHECKED	SMS	SURVEY DATA SHEET					
APPROVED	DEA	SWO 5398(11)					
CREW	TECUMSEH						
COUNTY	McCLAIN	HIGHWAY	I-35	STATE JOB NO.	32802(04)	SHEET NO.	S015









BEARING EQUATION:
N 89°31'54.34" E this survey =
S 89°29' W on S.A.P. No. 1013(1) Plans =
N 89°46' 13.46" on S.W.O. 2036(3) Survey

BEARING EQUATION:
Sta. 1038+11.97 this survey =
Sta. 62+86.59 on S.A.P. No. 1013(1) Plans =
Sta. 5+083.709 (Metric) on S.W.O. 2036(3) Survey.



PLS	SMS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	SMS		
CHECKED	SMS		
APPROVED	DEA		
CREW	TECUMSEH		SURVEY DATA SHEET SWO 5398(11)
COUNTY	McCLAIN	HIGHWAY	

STATE JOB NO. 32802(04) SHEET NO. S019

Section Corner – ODOT Monument No. M-44-854
Found and accepted 1" steel pipe as shown on
corner record filed by David L.M. Louy, PLS 1310.

1/4 Section Corner – ODOT Monument No. M-44-855
Found and accepted #4 rebar as shown on corner
record filed by Shaun Christopher Axton, PLS 1494.

Section Corner – ODOT Monument No. M-44-856
Found and accepted #3 rebar as shown on corner
record filed by Bobby L. Curtis, PLS 603, Garren
Dodson, PLS 696 and T. Wayne Fisch, PLS 1378.

1/4 Section Corner – ODOT Monument No. M-44-857
Found and accepted #3 rebar as shown on corner
record filed by T. Wayne Fisch, PLS 1378.

1/4 Section Corner – ODOT Monument No. M-44-853
Found and accepted 120d nail as shown on corner
record filed by Brad Kagan, PLS 1389.

1/4 Section Corner – ODOT Monument No. M-44-855
Found and accepted #3 rebar as shown on corner
record filed by Bobby L. Curtis, PLS 603 and Garren
Dodson, PLS 696.

Angle Of Variance
At Center Section
X= 2159425.897
Y= 620594.983
Lat.= 35°03'59.460"
Long.= 97°36'22.085"
θ = 0°21'43.28"

Angle Of Variance
At Center Section
X= 2154138.911
Y= 620569.534
Lat.= 35°03'59.460"
Long.= 97°36'22.085"
θ = 0°21'43.28"

Section Corner – ODOT Monument No. M-44-848
Found and accepted #3 rebar as shown on corner
record filed by Brad Kagan, PLS 1389, Shaun
Christopher Axton, PLS 1494 and Darrel Ray
Mason, PLS 1690. Also found #3 rebar 0.2' north
and 1.3' east of corner.

1/4 Section Corner – ODOT Monument No. M-44-849
Found and accepted 80d nail. This monument
appears to match the location shown on corner
record filed by Melfred Roy Loyall, Jr., PLS 1317,
Shaun Christopher Axton, PLS 1494 and Darrel Ray
Mason, PLS 1690. Also found mag nail 1.9' north and
0.8' west of corner as shown on corner record filed by
Randall A. Mansfield, PLS 1613.

Section Corner – ODOT Monument No. M-44-850
Found and accepted 3/4" pipe. This monument
matches the location shown on corner record filed
by Farrel G. Thomas, PLS 491 and Garren Dodson,
PLS 696. Also found #3 rebar 1.0' north and 4.5'
west of corner.

1/4 Section Corner – ODOT Monument No. M-44-851
Found and accepted #3 rebar as shown on corner
record filed by Bobby L. Curtis, PLS 603 and Steve
Roland Schuelein, PLS 1256. Also found #4 rebar
with cap 6.6' north and 2.8' west of corner as shown
on corner record filed by T. Wayne Fisch, PLS 1378.
Also found #3 rebar with cap PLS 1564 3.2' west
of corner.

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

SCALE		0	500	1000	1500	2000	2500 Feet
PLS	SMS	OKLAHOMA DEPARTMENT OF TRANSPORTATION					
DRAWN	SMS	SURVEY DIVISION					
CHECKED	SMS	SURVEY DATA SHEET					
APPROVED	DEA	SWO 5398(11)					
CREW	TECUMSEH						
COUNTY	McCLAIN	HIGHWAY	1-35	STATE JOB NO.	32802(04)	SHEET NO.	S020

Section Corner – ODOT Monument No. M-44-848
Found and accepted #3 rebar as shown on corner record filed by Brad Kagan, PLS 1389, Shaun Christopher Axton, PLS 1494 and Darrel Ray Mason, PLS 1690. Also found #3 rebar 0.2' north and 1.3' east of corner.

1/4 Section Corner – ODOT Monument No. M-44-849
Found and accepted 80d nail. This monument appears to match the location shown on corner record filed by Melfred Roy Loyall, Jr., PLS 1317, Shaun Christopher Axton, PLS 1494 and Darrel Ray Mason, PLS 1690. Also found mag nail 1.9' north and 0.8' west of corner as shown on corner record filed by Randall A. Mansfield, PLS 1613.

Section Corner – ODOT Monument No. M-44-850
Found and accepted 3/4" pipe. This monument matches the location shown on corner record filed by Farrel G. Thomas, PLS 491 and Garren Dodson, PLS 696. Also found #3 rebar 1.0' north and 4.5' west of corner.

1/4 Section Corner – ODOT Monument No. M-44-851
Found and accepted #3 rebar as shown on corner record filed by Bobby L. Curtis, PLS 603 and Steve Roland Schuelein, PLS 1256. Also found #4 rebar with cap 6.6' north and 2.8' west of corner as shown on corner record filed by T. Wayne Fisch, PLS 1378. Also found #3 rebar with cap PLS 1564 3.2' west of corner.

1/4 Section Corner – ODOT Monument No. M-44-847
Found and accepted #4 rebar as shown on corner record filed by Floyd Drannon, PLS 1503. Also found 2" steel pipe 5.3' north and 1.6' east of corner as shown on corner record filed by Darrel Ray Mason, PLS 1690.

1/4 Section Corner – ODOT Monument No. M-44-846
Found and accepted #4 rebar as shown on corner record filed by Darrel Ray Mason, PLS 1690. Also found #3 rebar 4.1' south and 3.1' east of corner as shown on corner record filed by T. Wayne Fisch, PLS 1378. Also found #5 rebar 1.1' south and 17.5' east of corner.

Angle Of Variance
At Center Section
X = 2159467.735
Y = 615302.915
Lat. = 35°02'24.055"
Long. = 97°36'21.805"
θ = 0°21'43.33"

Section Corner – ODOT Monument No. M-44-610
Found and accepted #4 rebar as shown on corner record filed by Derrick E. Anderson, PLS 1551. Also found aluminum cap 13.8' west of corner as shown on corner record filed by Bill J. Casey, PLS 1122.

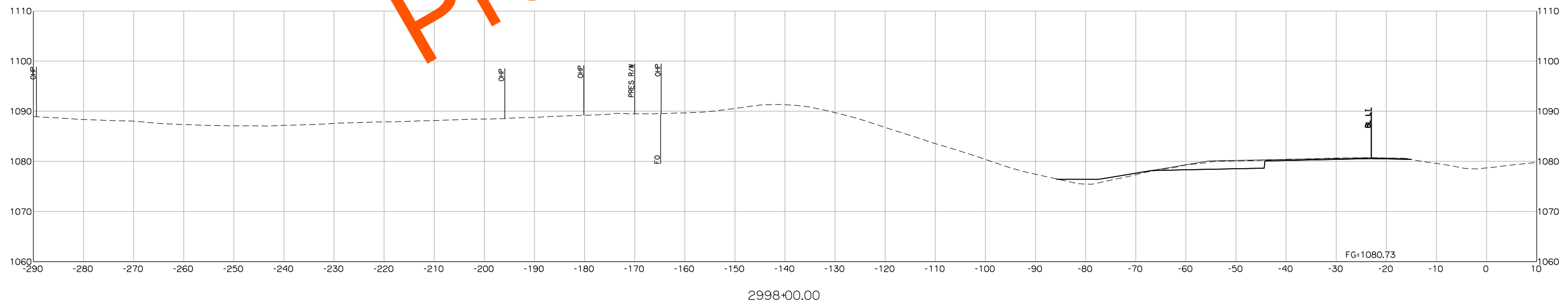
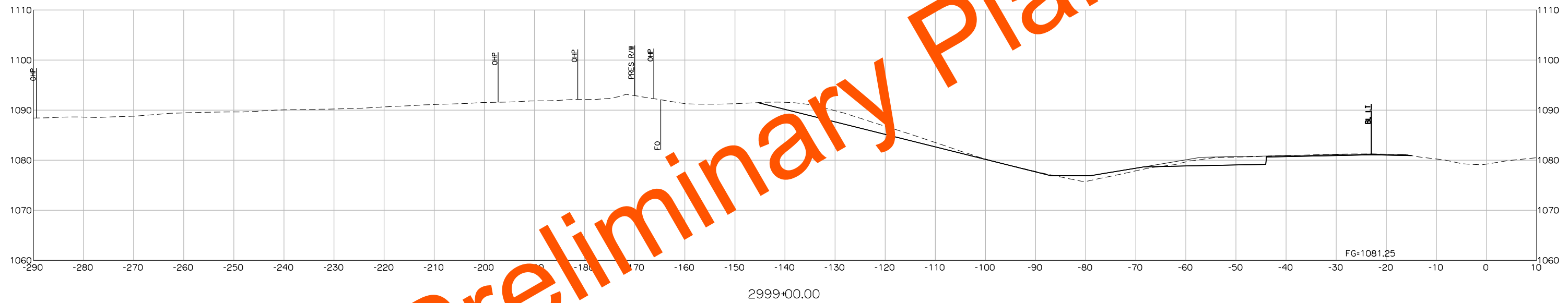
1/4 Section Corner – ODOT Monument No. M-44-612
Found and accepted #3 rebar as shown on corner record filed by Timothy G. Pollard, PLS 1474, Derrick E. Anderson, PLS 1551 and Darrel Ray Mason, PLS 1690.

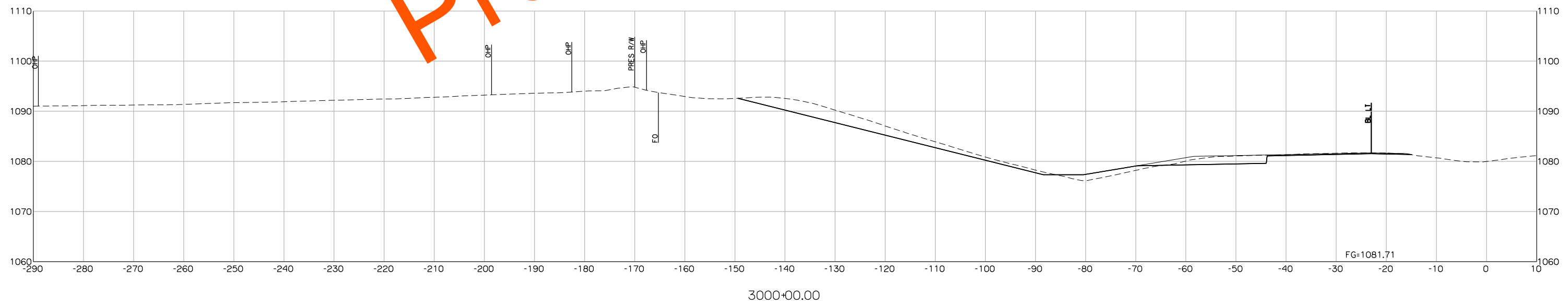
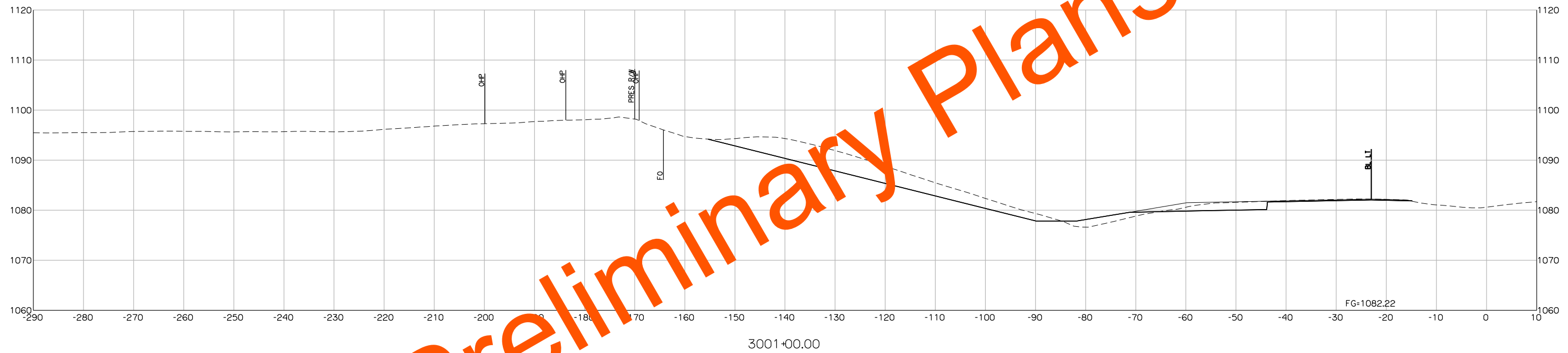
Section Corner – ODOT Monument No. M-44-613R
Found and accepted #3 rebar as shown on corner record filed by Timothy G. Pollard, PLS 1474, T. Wayne Fisch, PLS 1378, Derrick E. Anderson, PLS 1551 and R. Wesley Bennett, PLS 1562. Also found #3 rebar 31.4' east of corner.

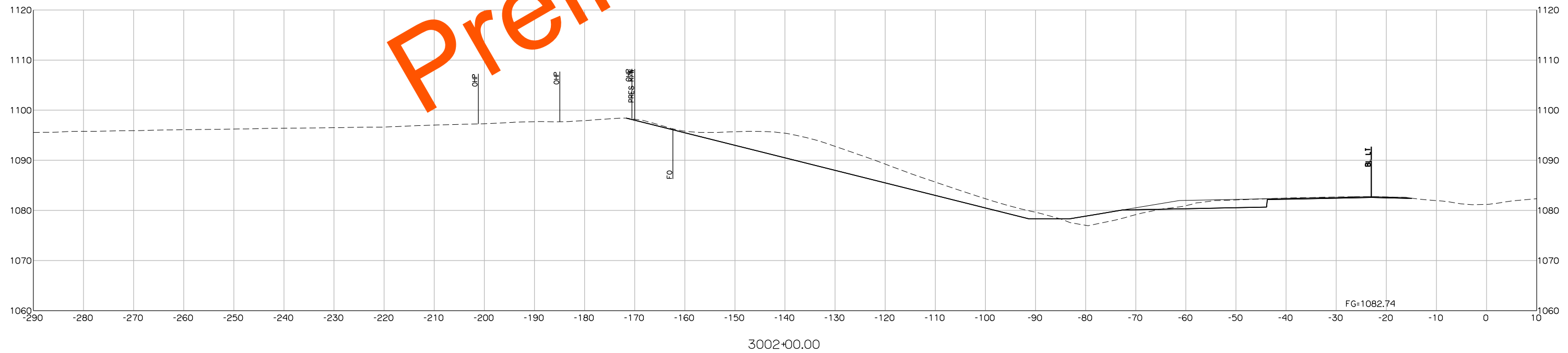
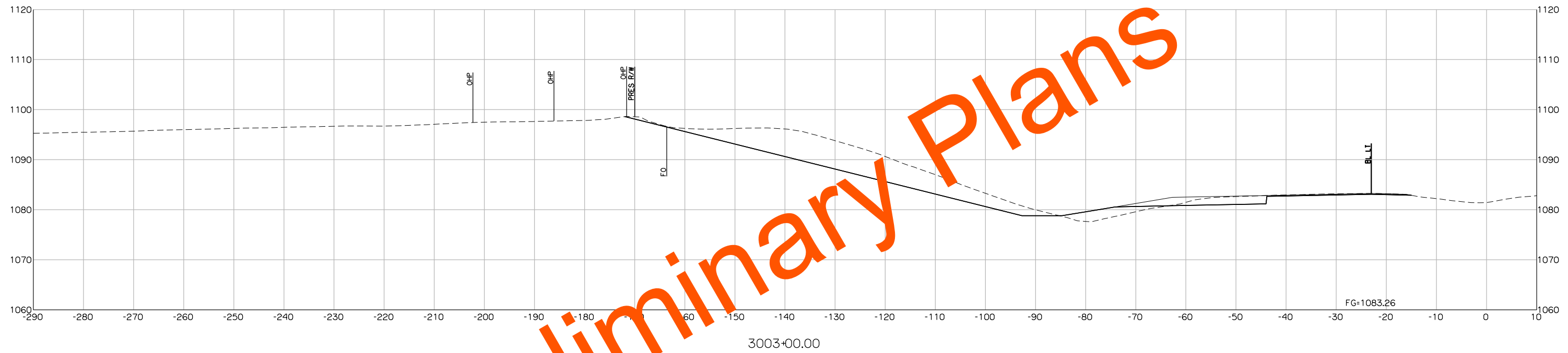
1/4 Section Corner – ODOT Monument No. M-44-732
Set #4 rebar with cap at the location shown on corner record filed by R. Wesley Bennett, PLS 1562. Also found #4 rebar set for witness corner and filed by T. Wayne Fisch, PLS 1378.

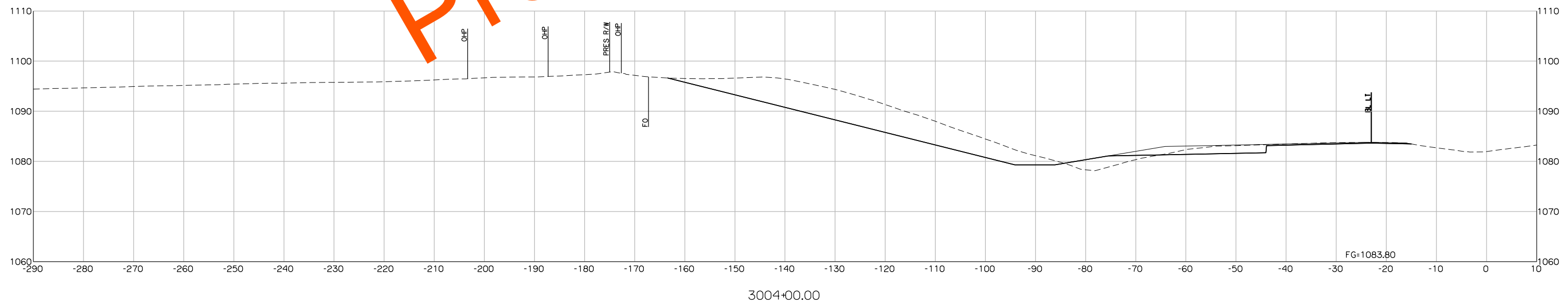
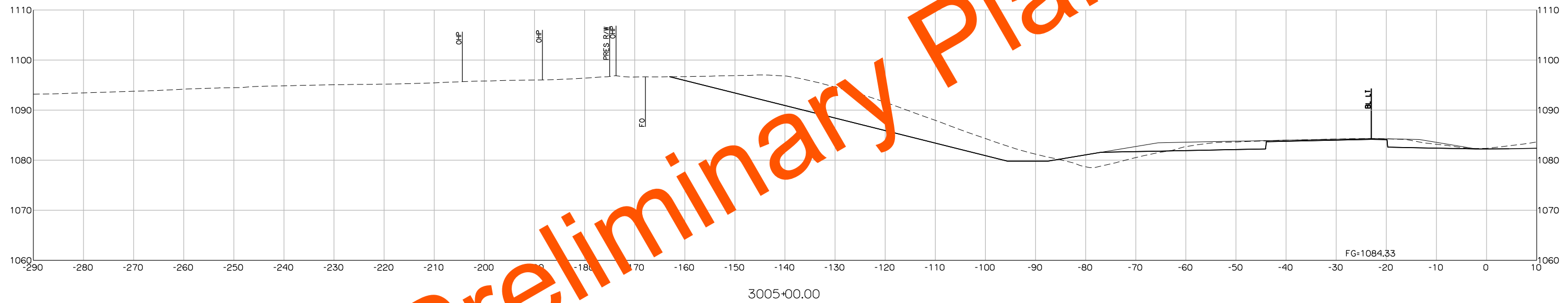
SCALE		0	500	1000	1500	2000	2500 Feet
PLS	SMS	OKLAHOMA DEPARTMENT OF TRANSPORTATION					
DRAWN	SMS	SURVEY DIVISION					
CHECKED	SMS	SURVEY DATA SHEET					
APPROVED	DEA	SWO 5398(1)					
CREW	TECUMSEH						
COUNTY	McCLAIN	HIGHWAY	1-35	STATE JOB NO.	32802(04)	SHEET NO.	5021

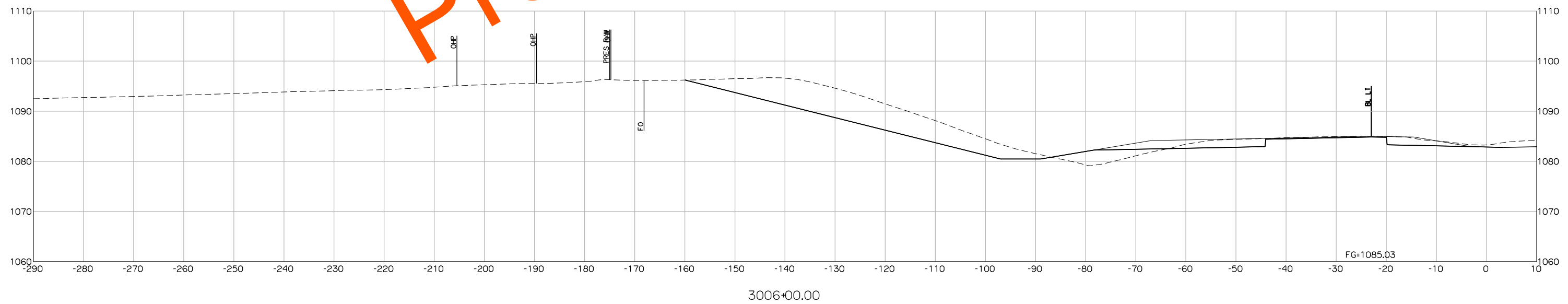
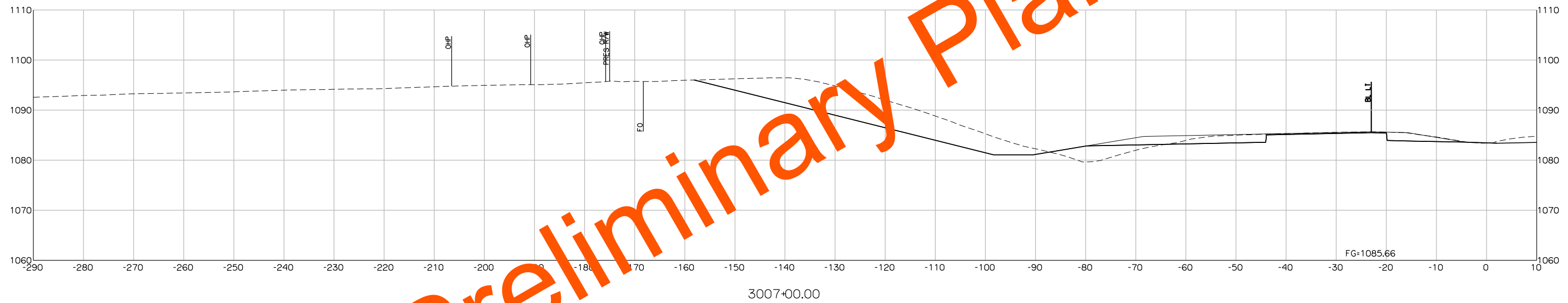
NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

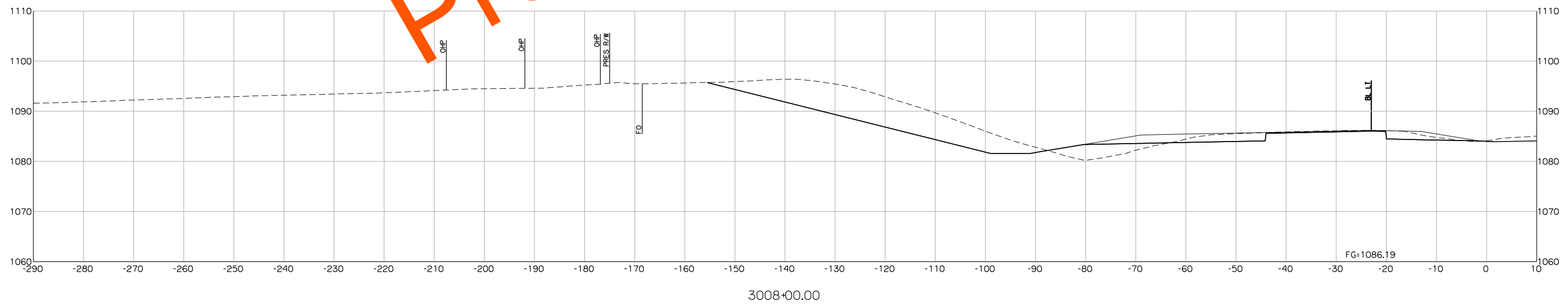
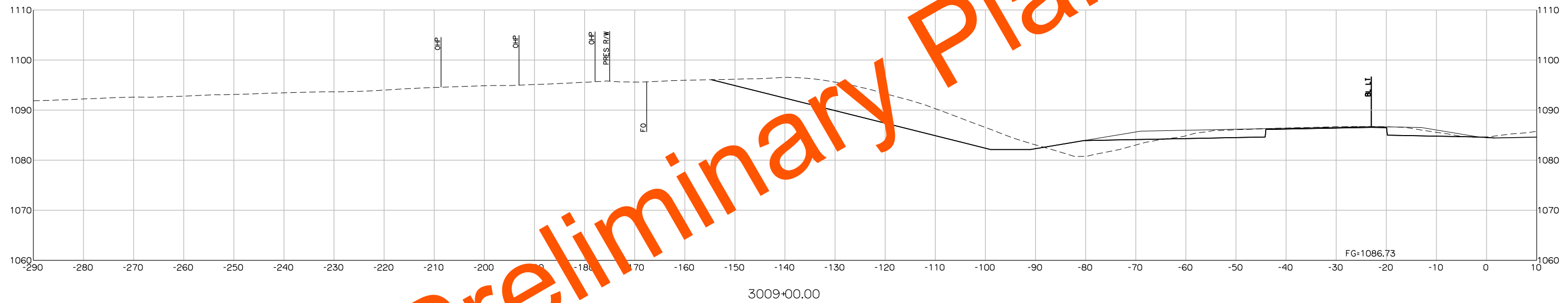


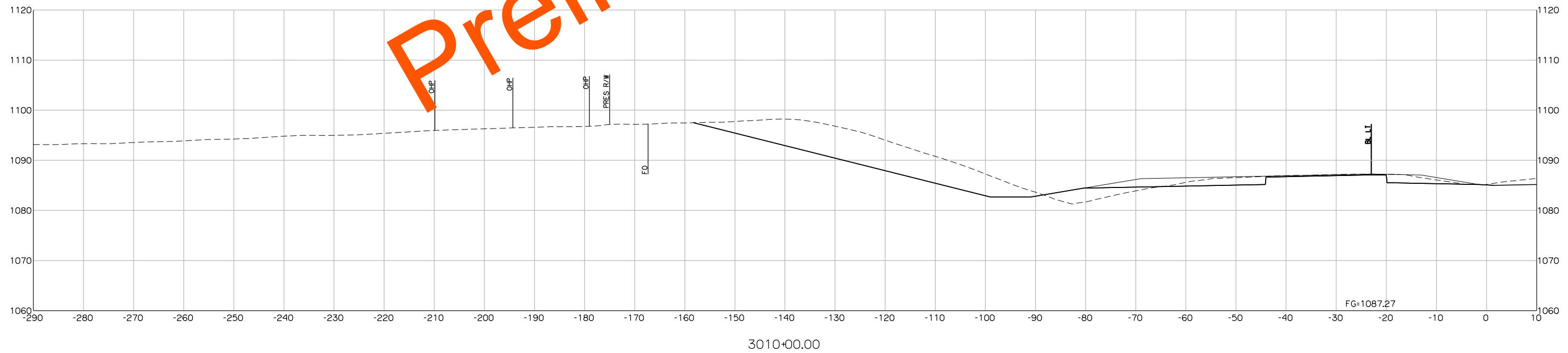
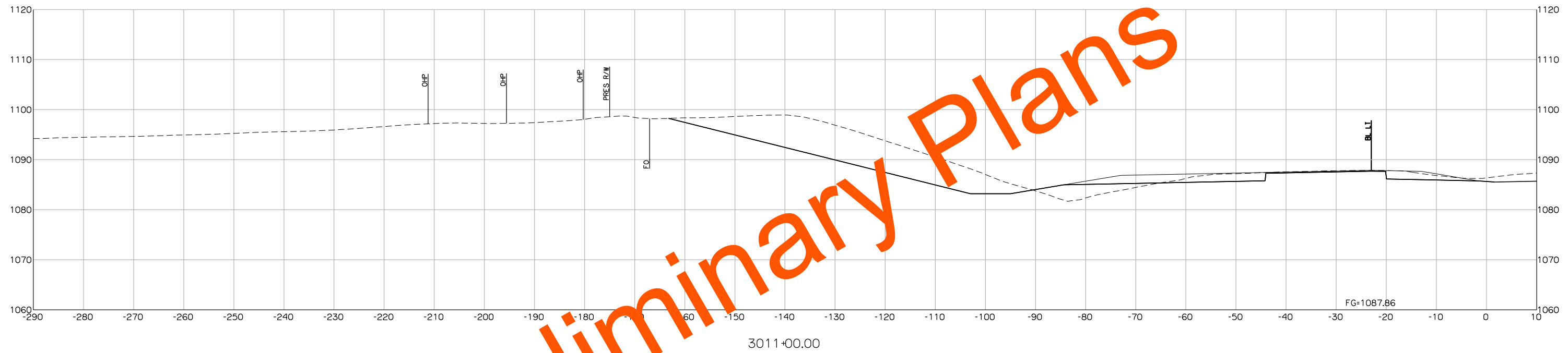


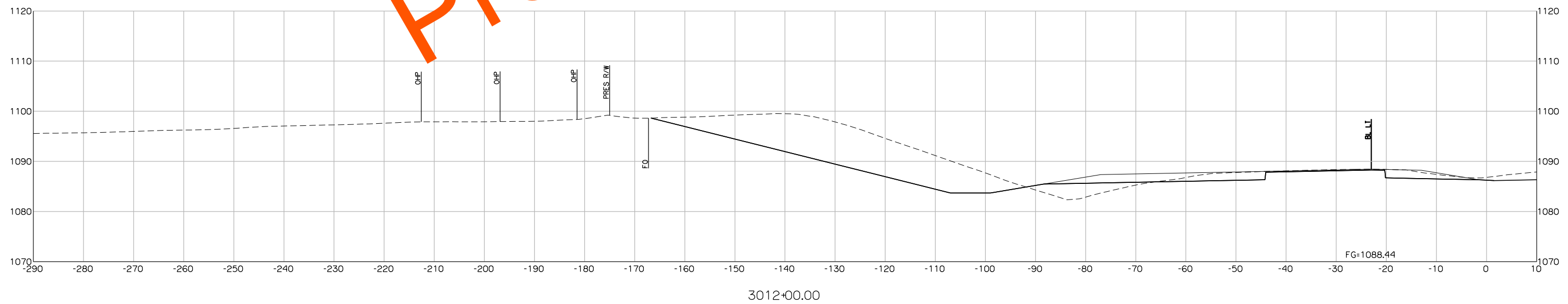
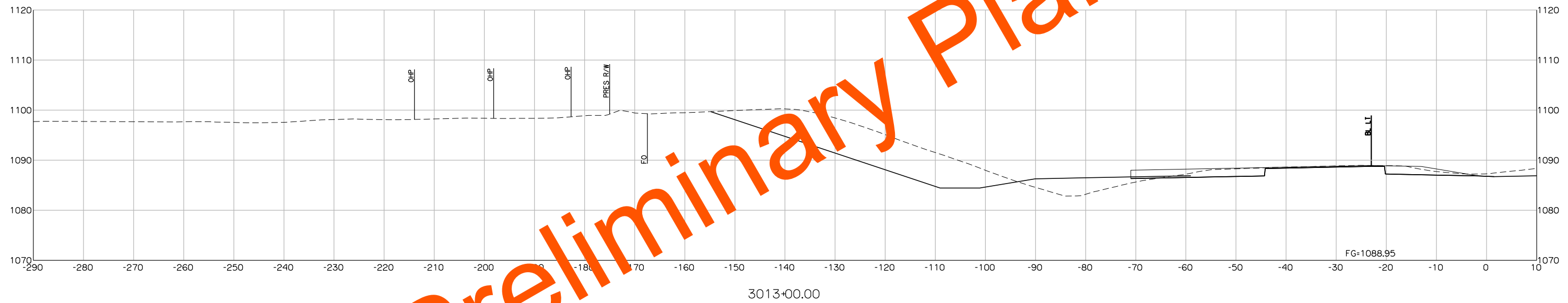


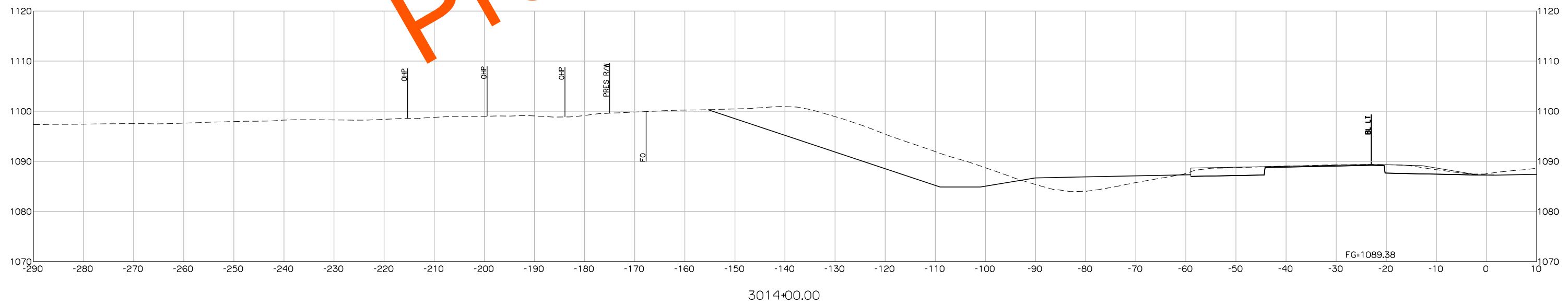
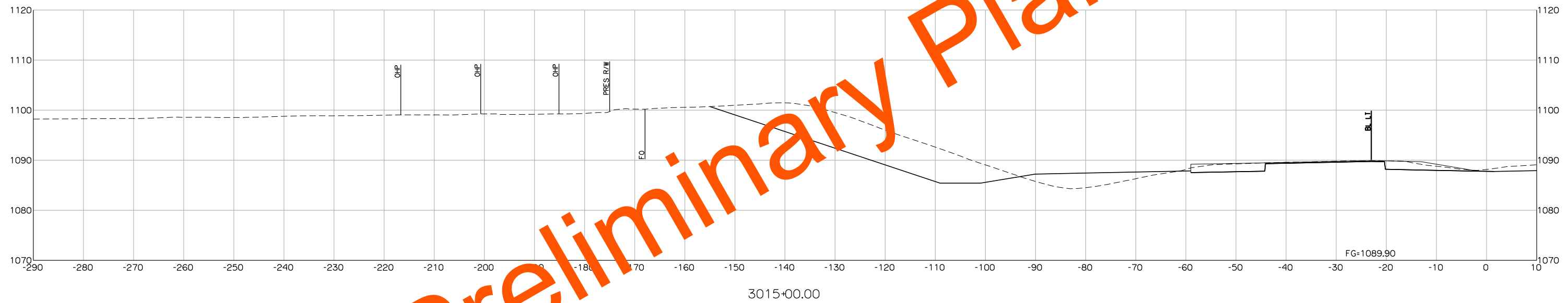


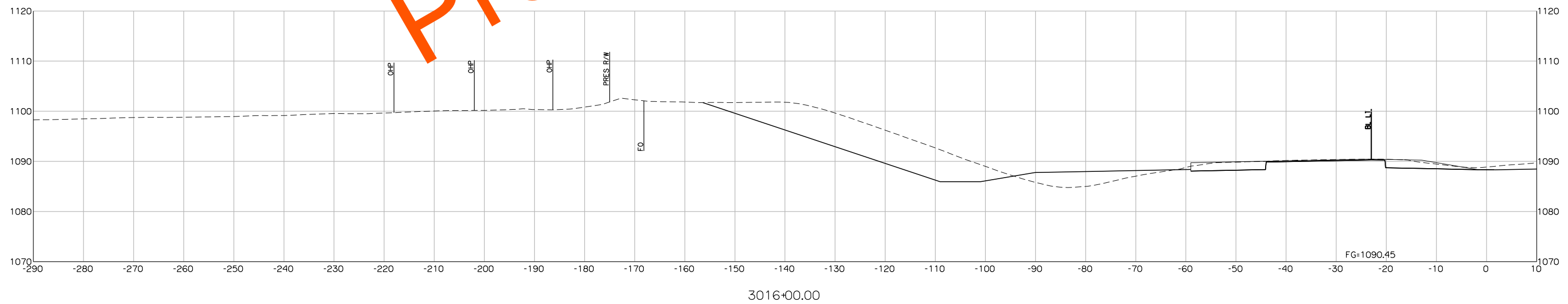
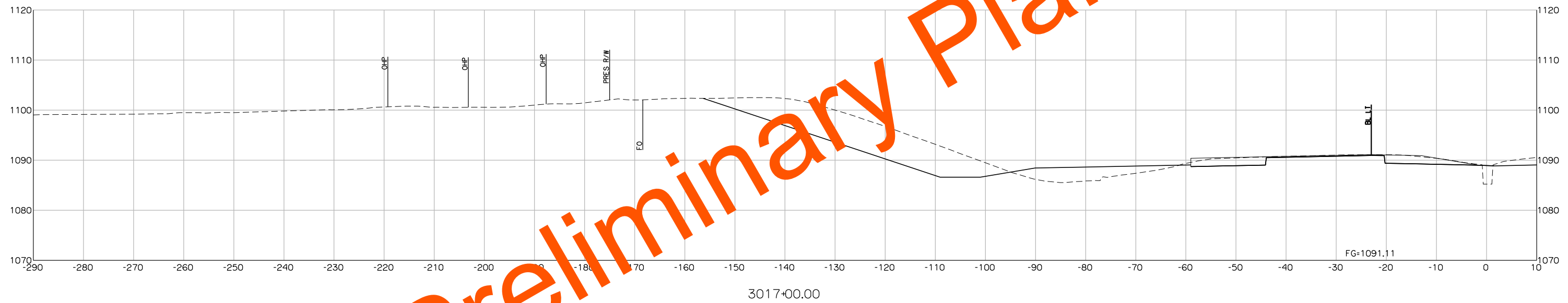


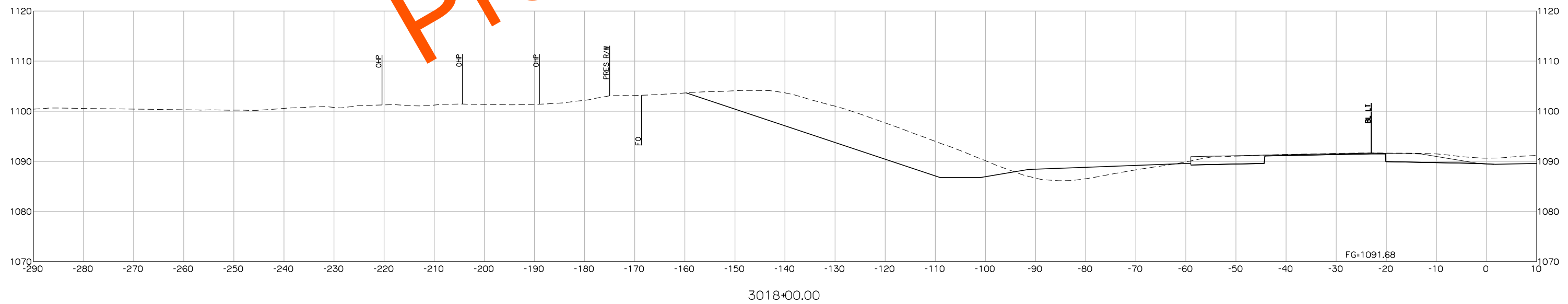
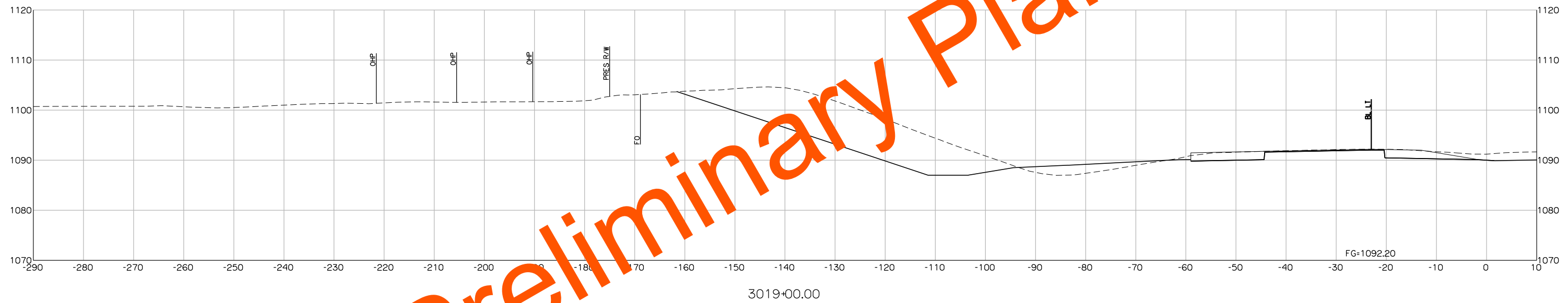


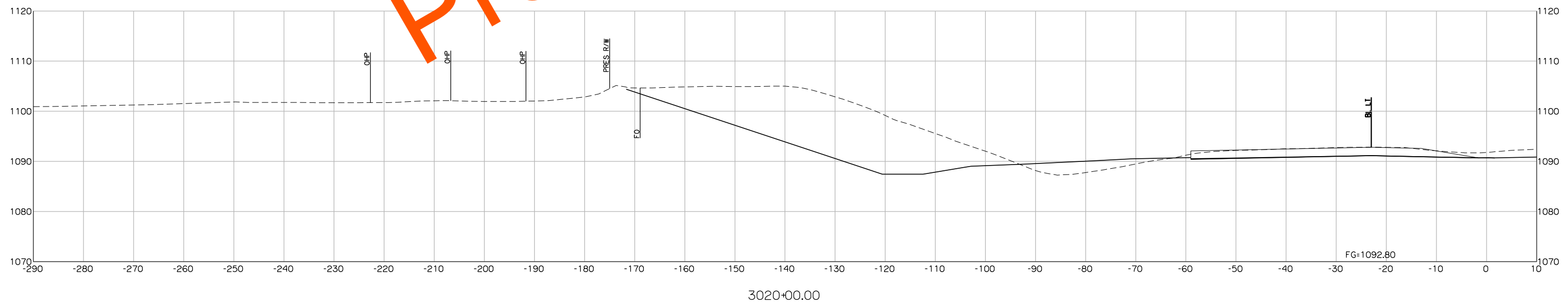
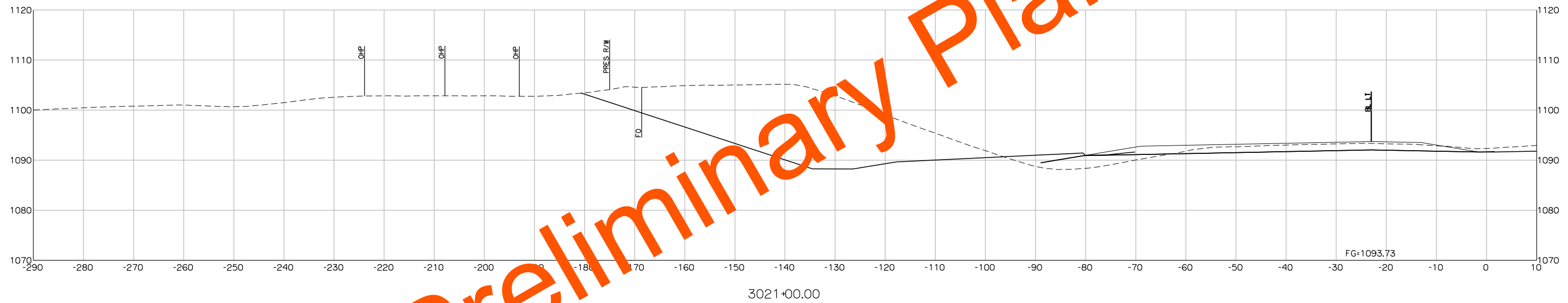


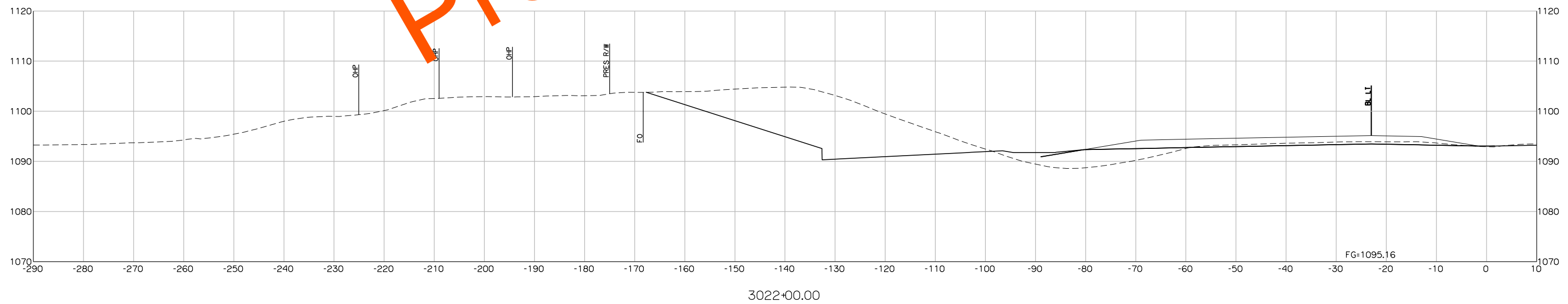
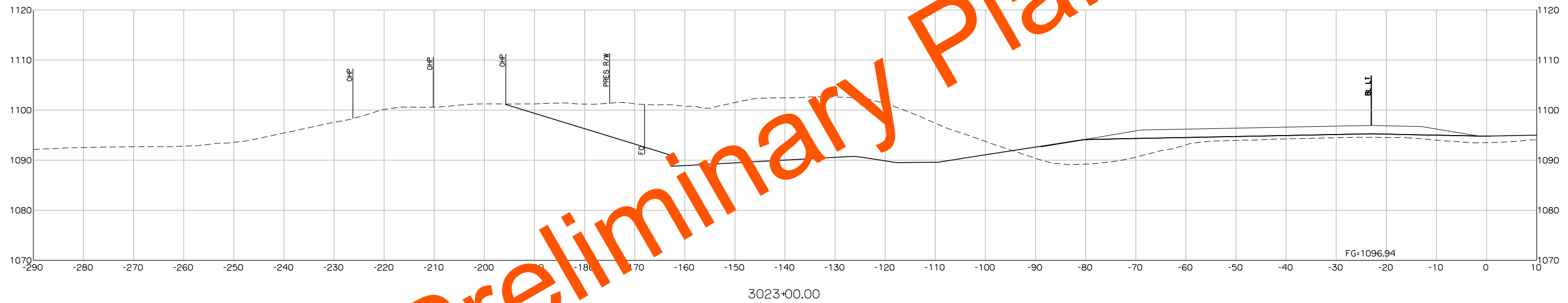


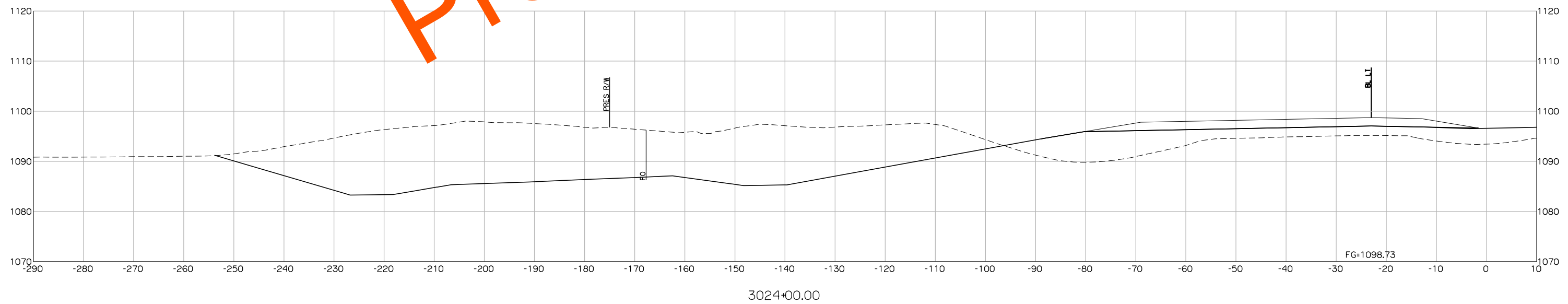
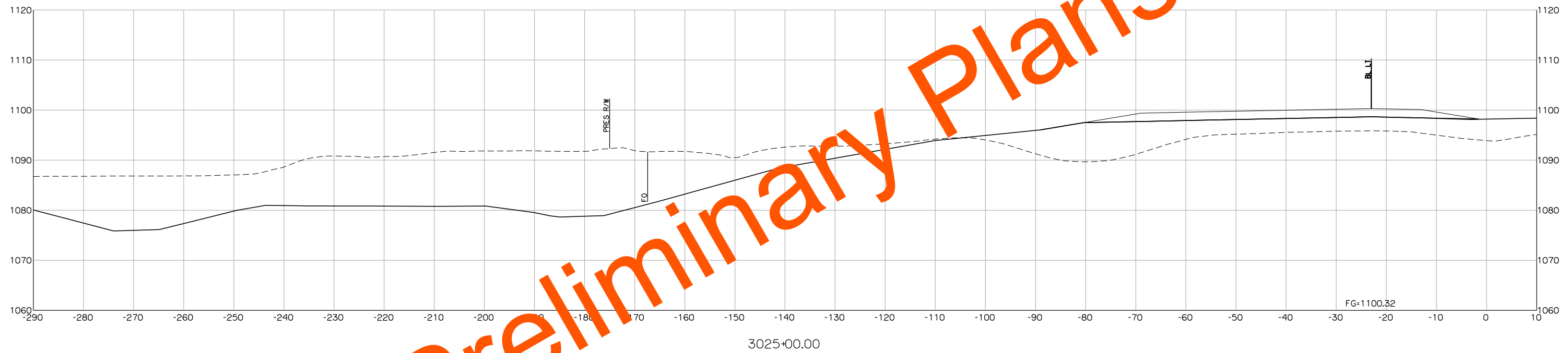


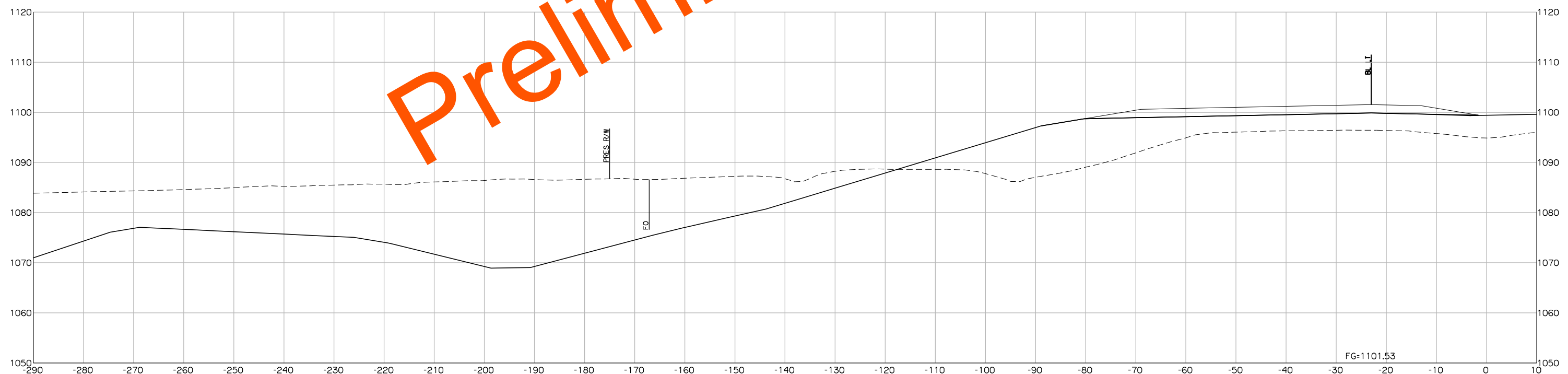
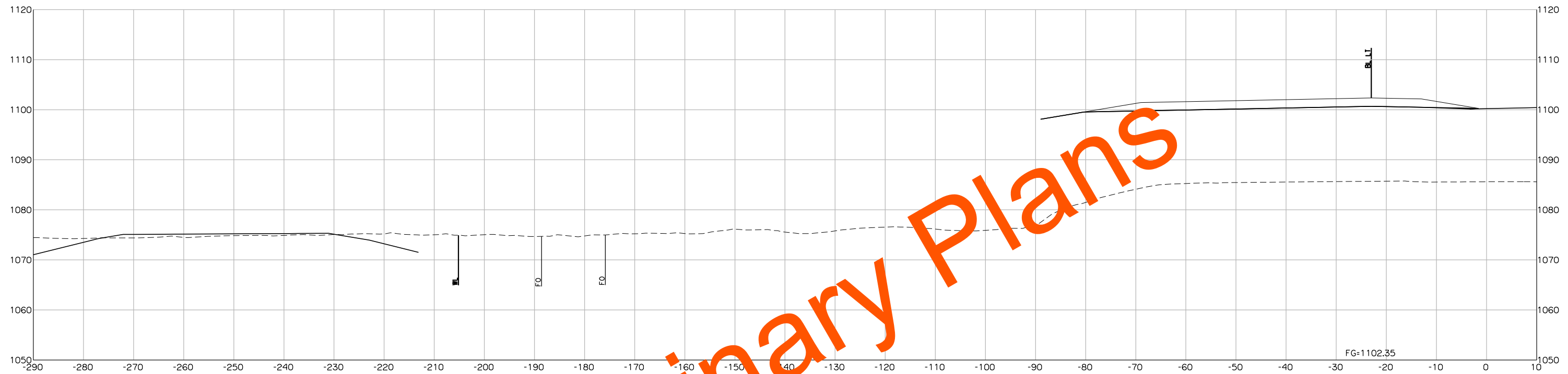


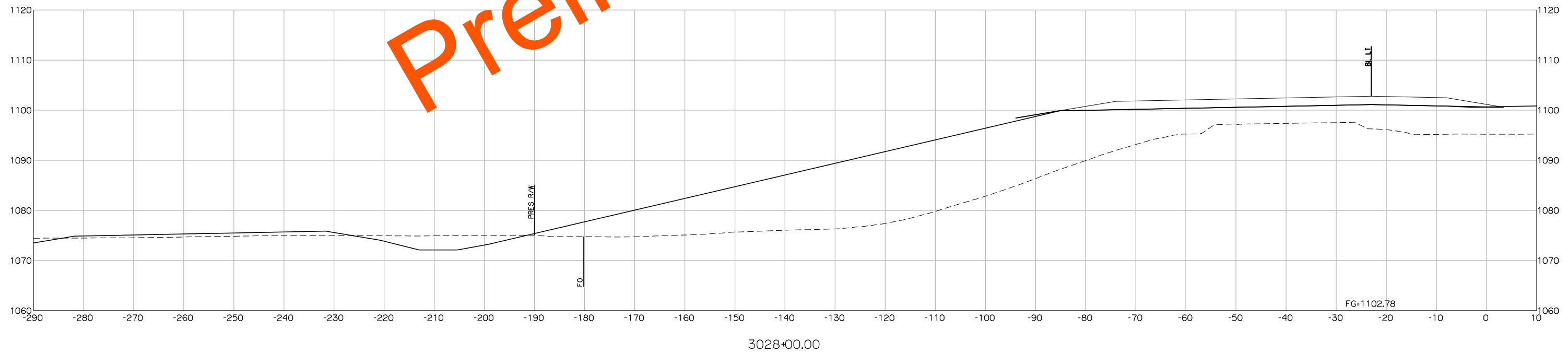
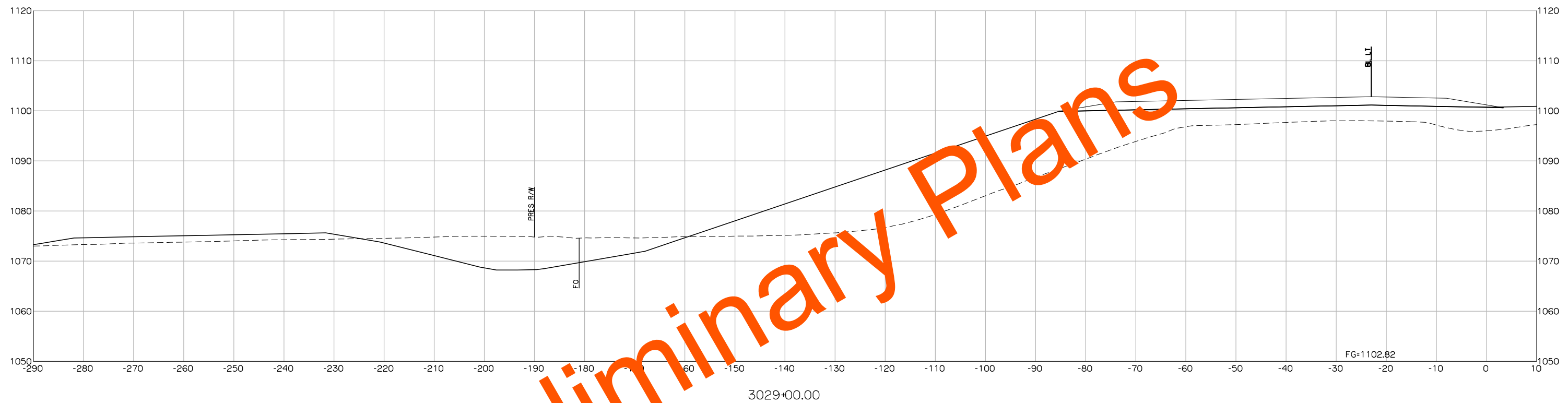


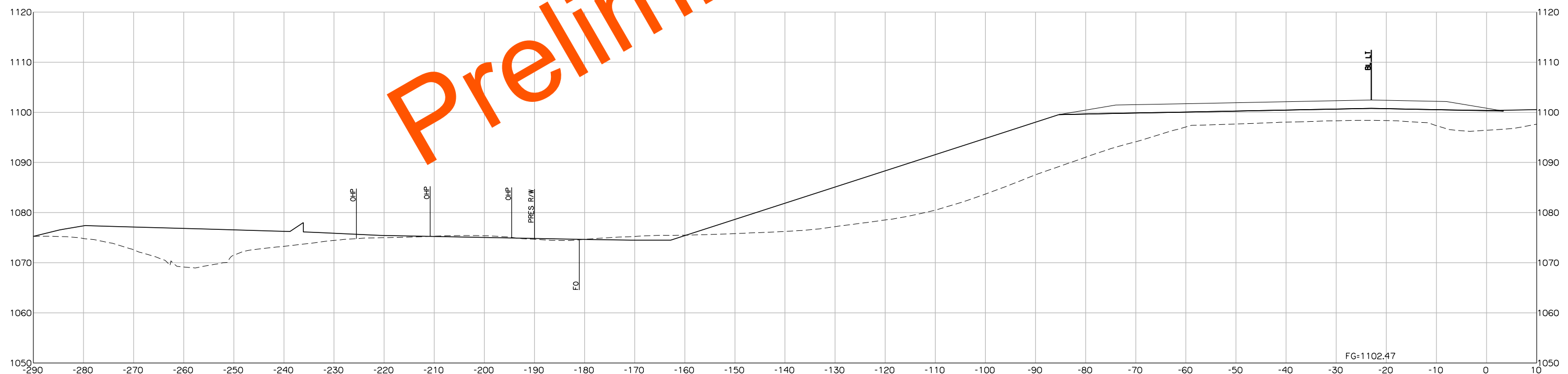
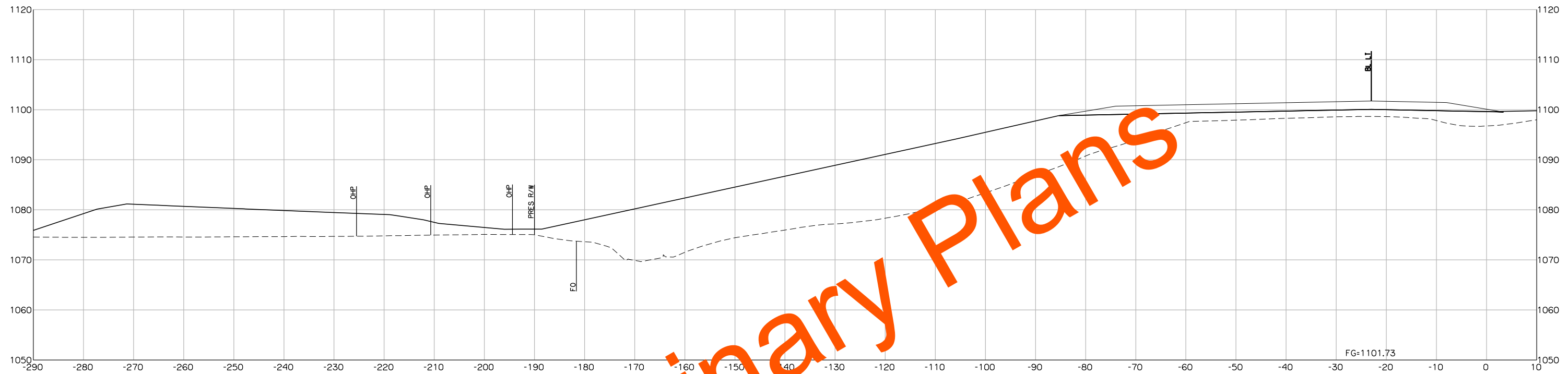


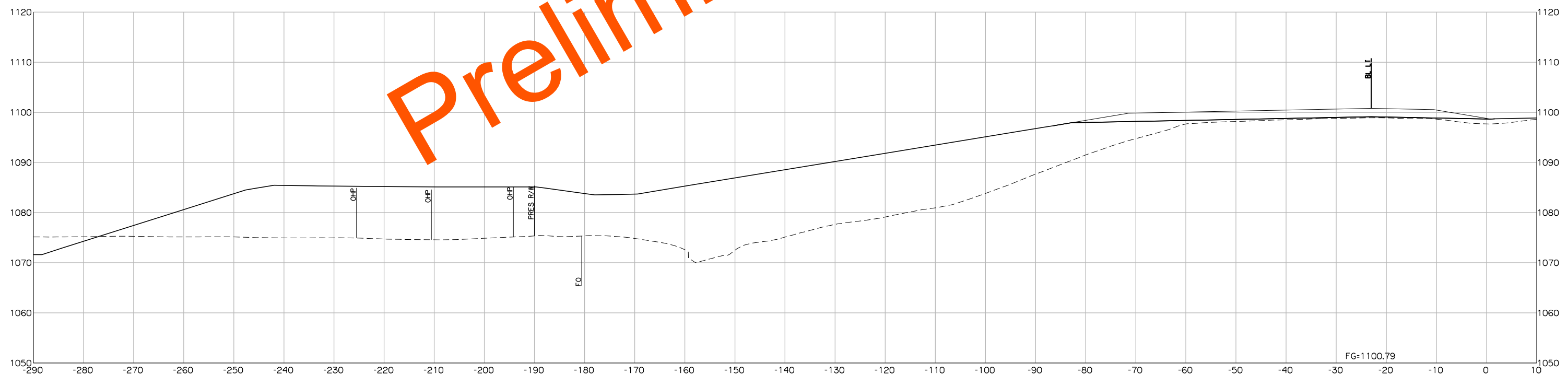
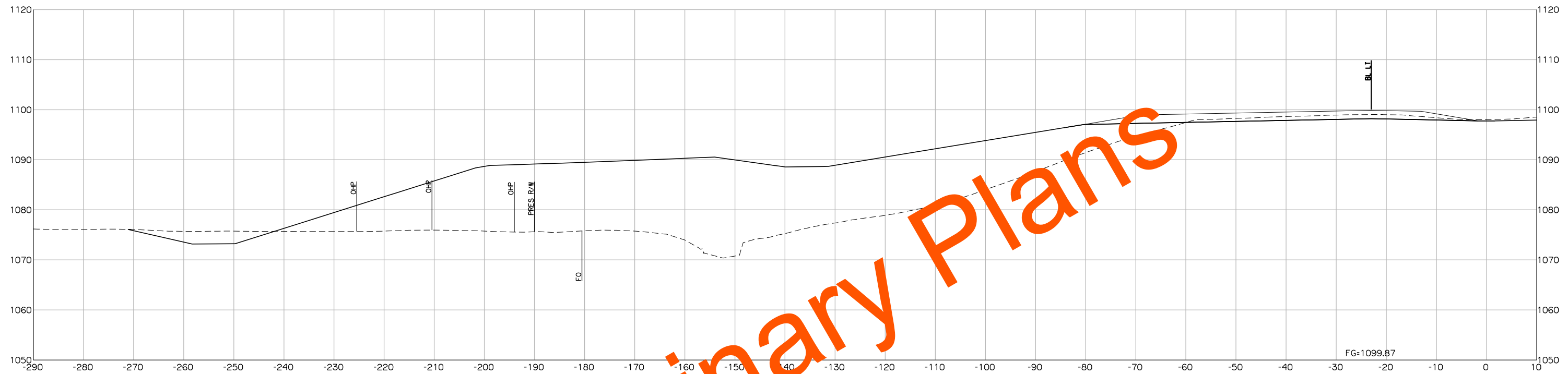


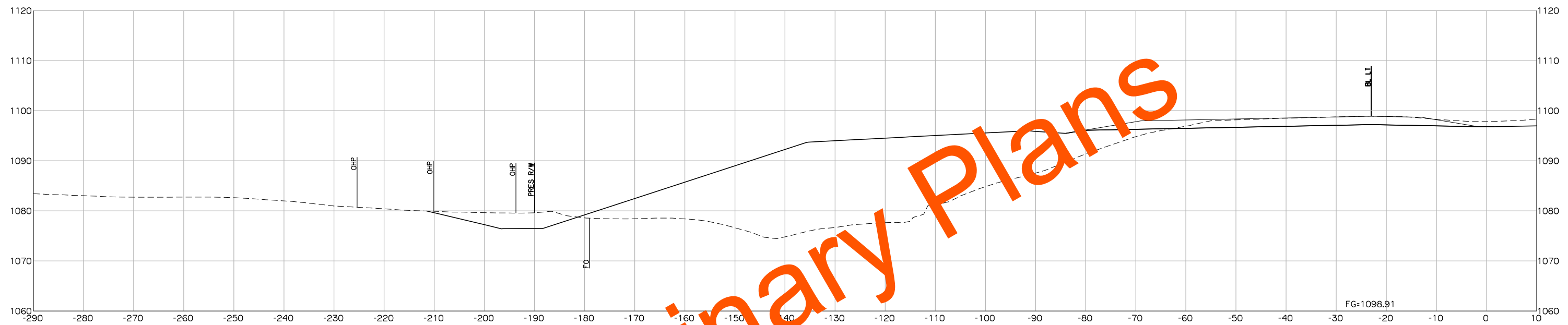




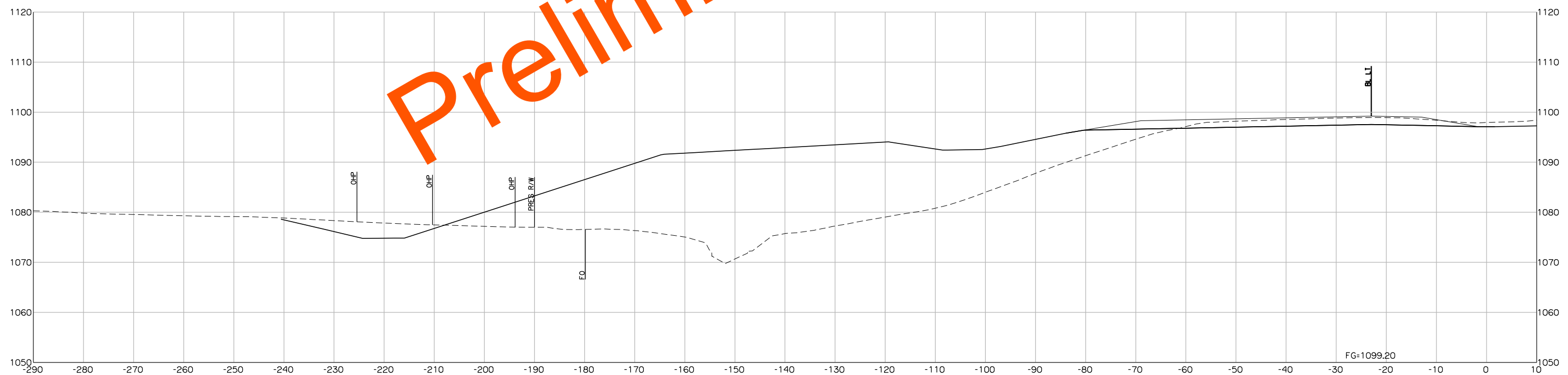




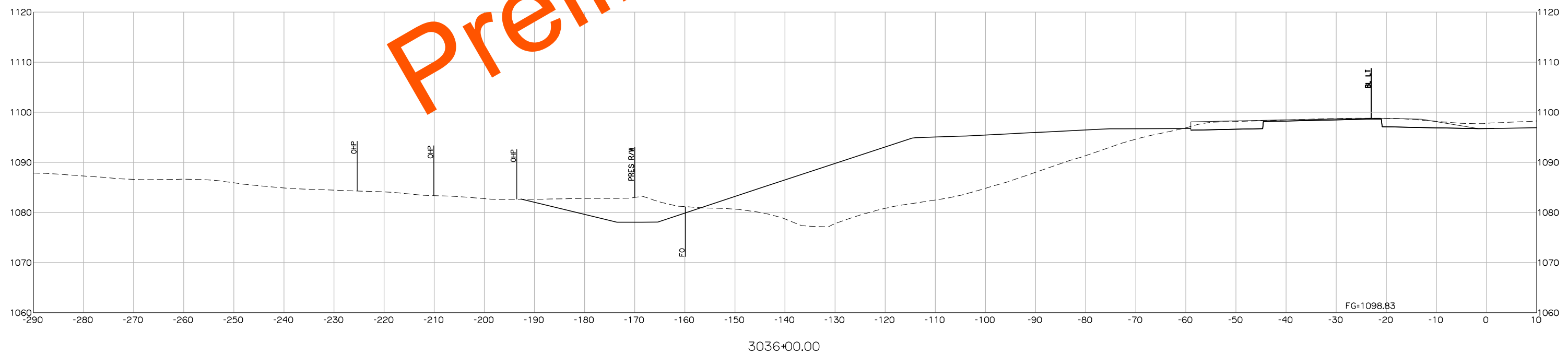
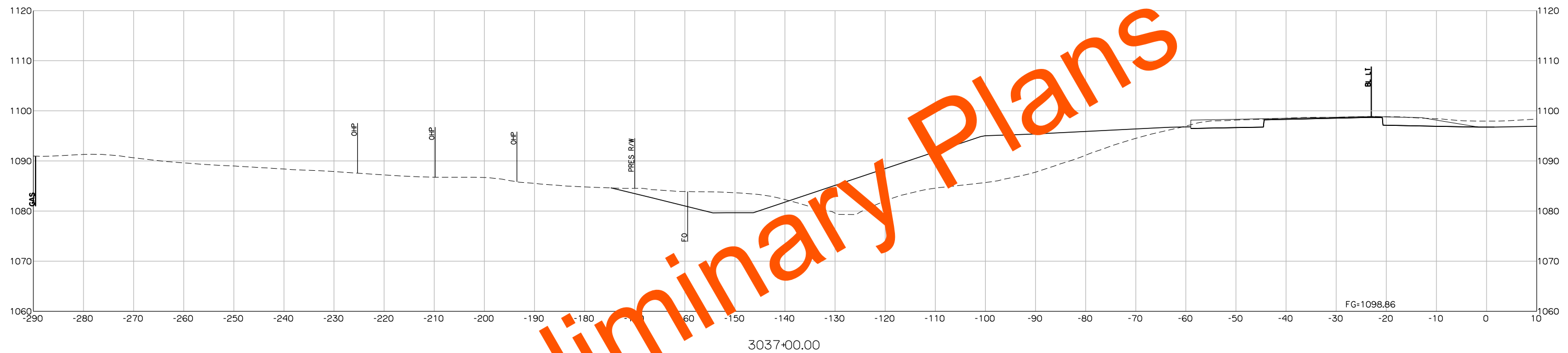


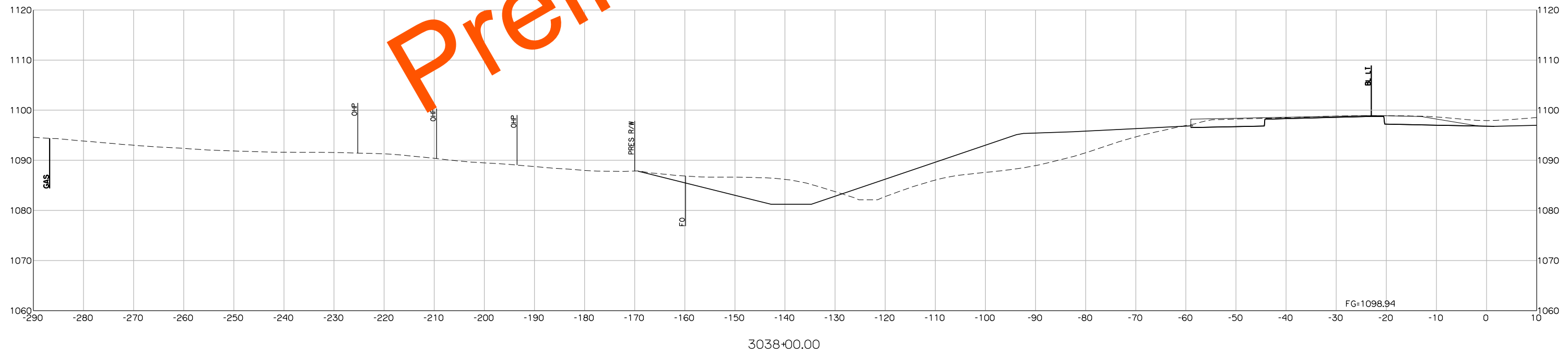
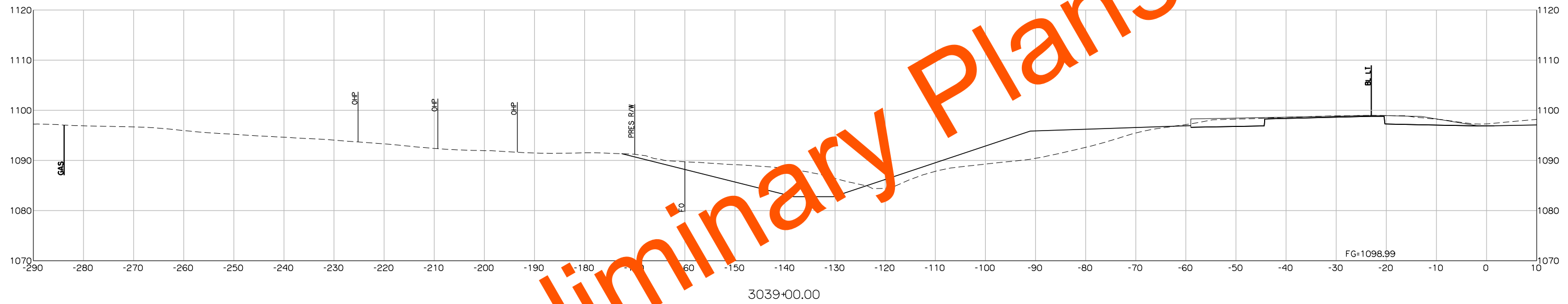


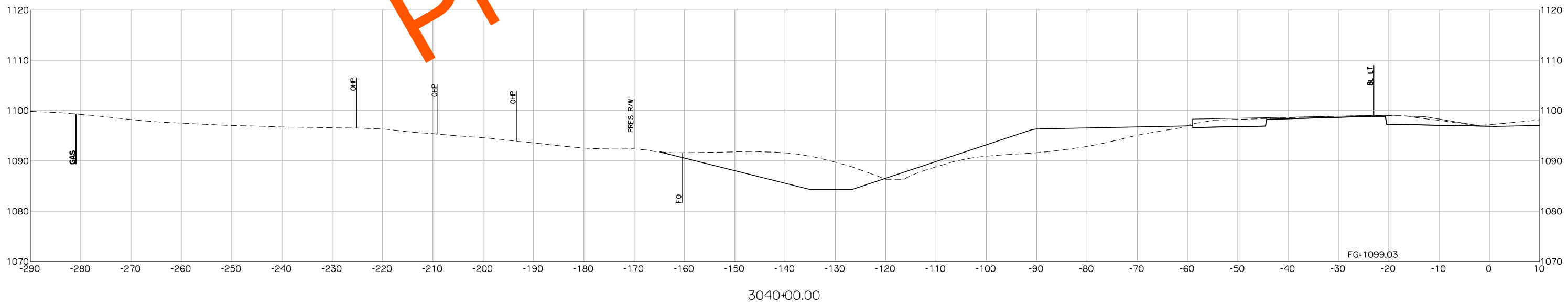
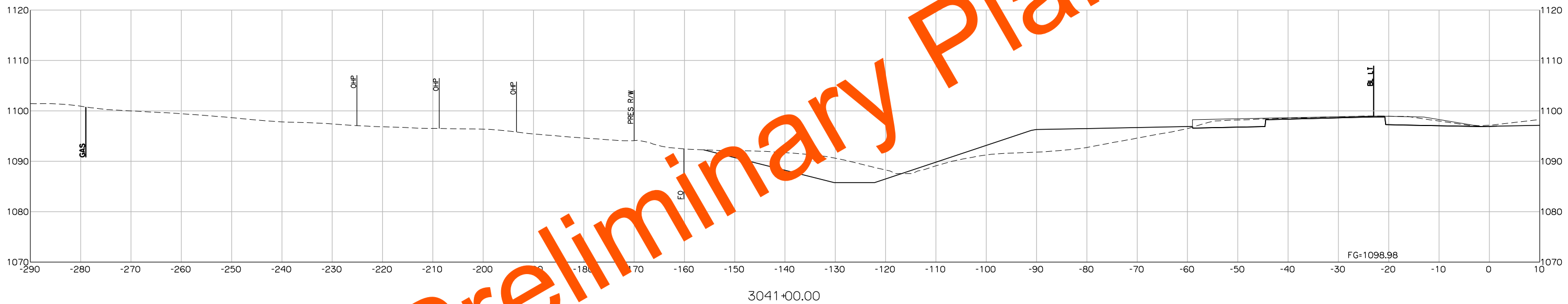
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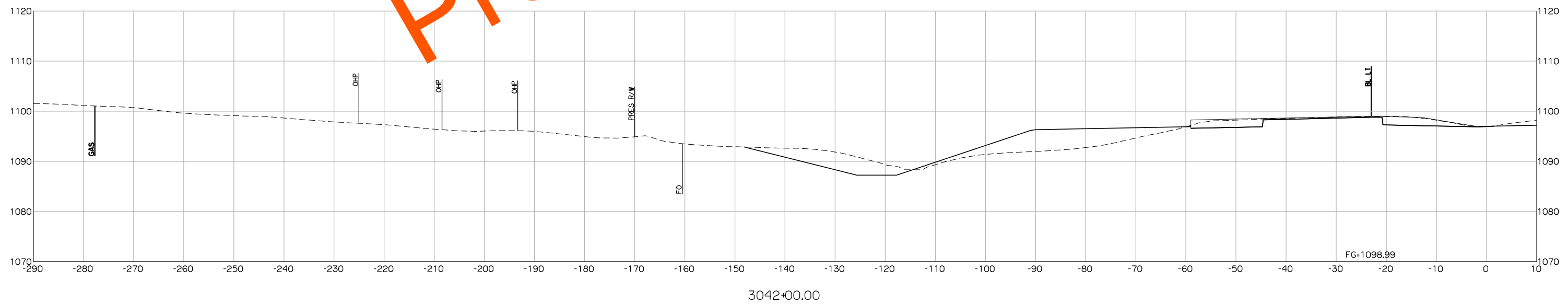
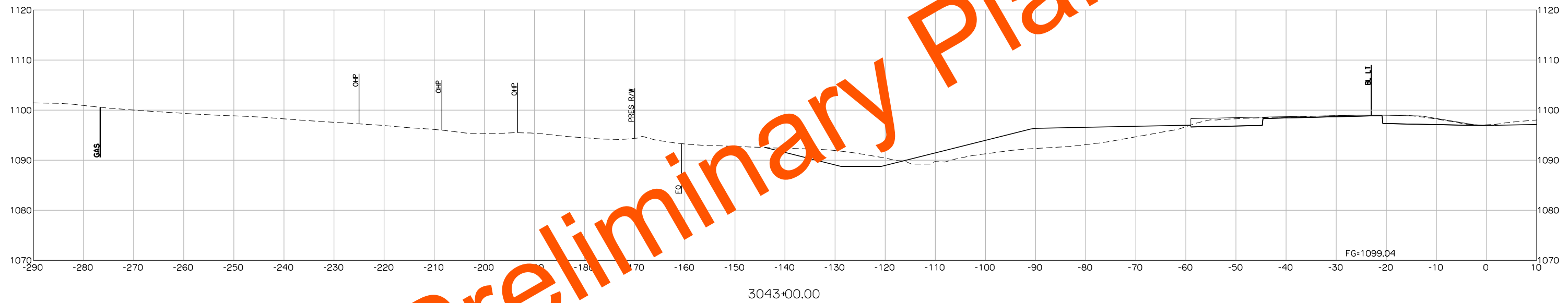


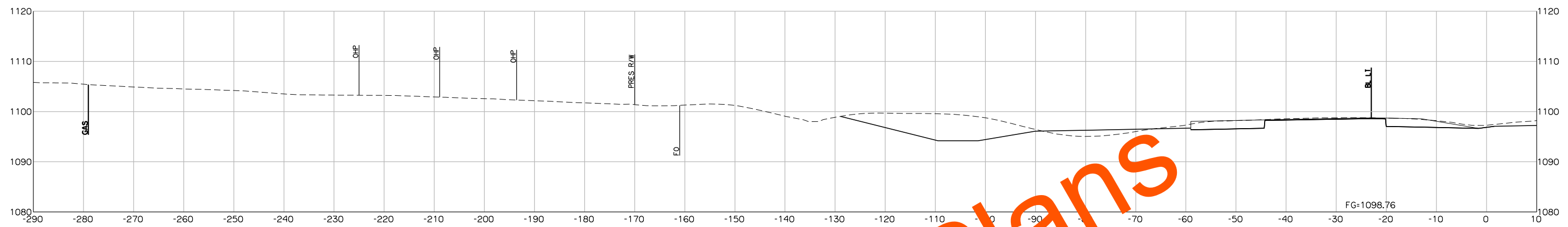
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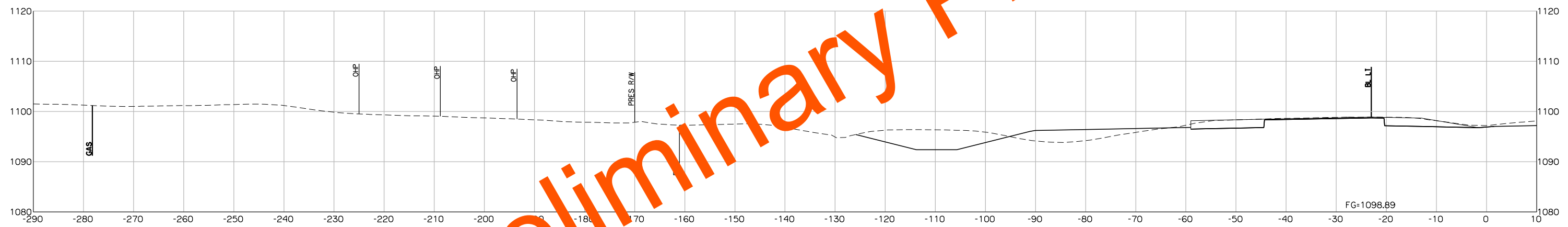




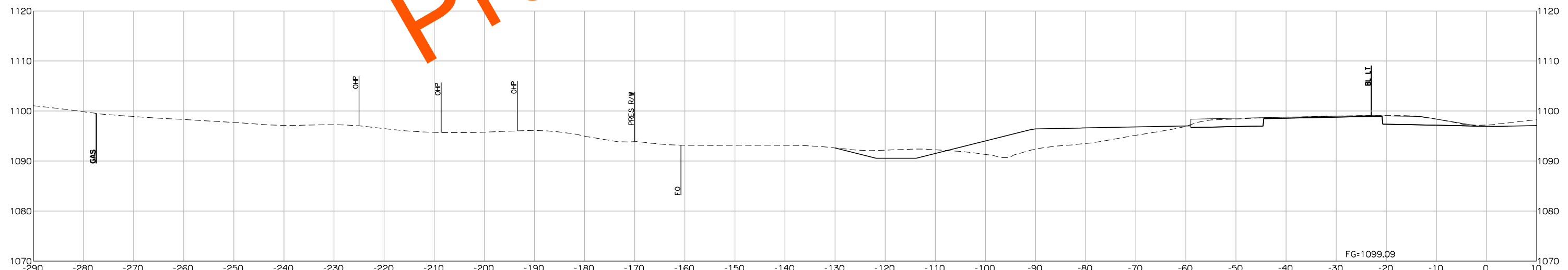




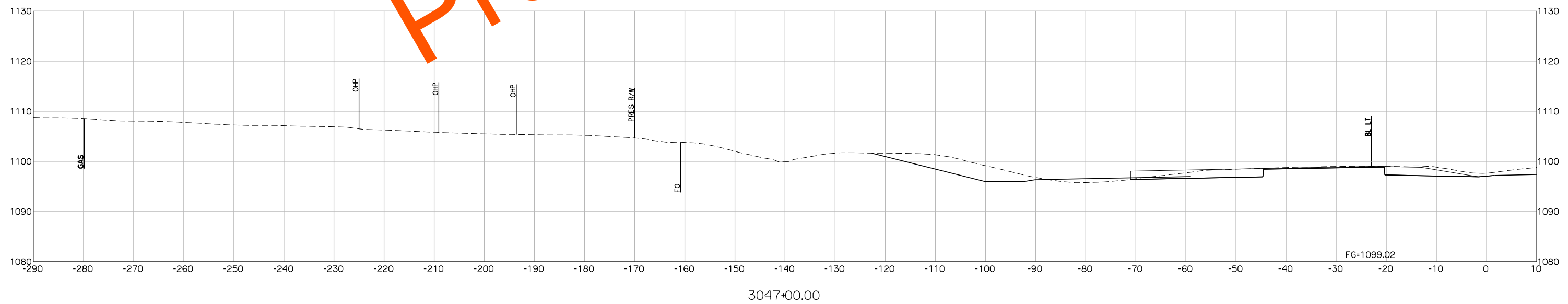
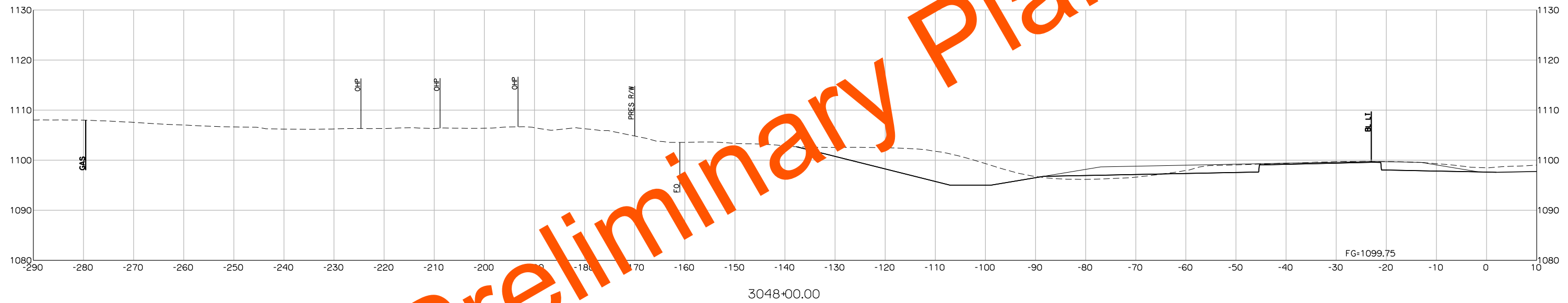
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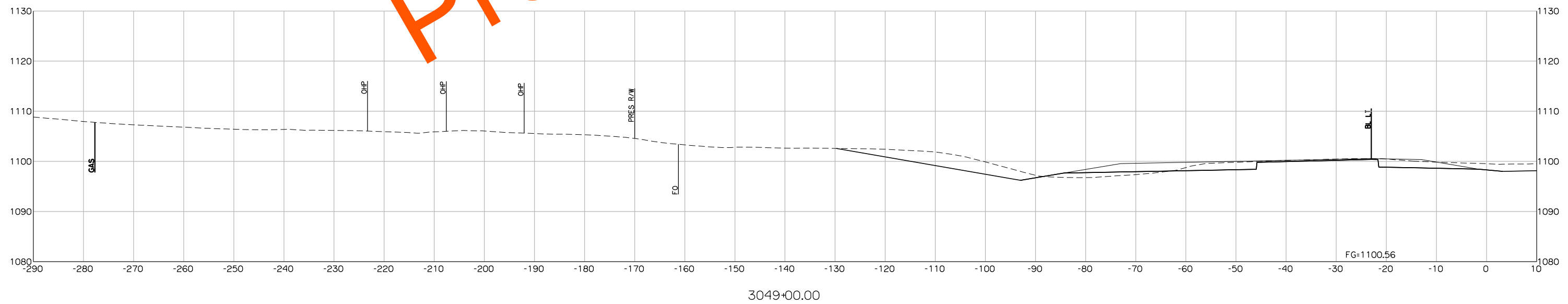
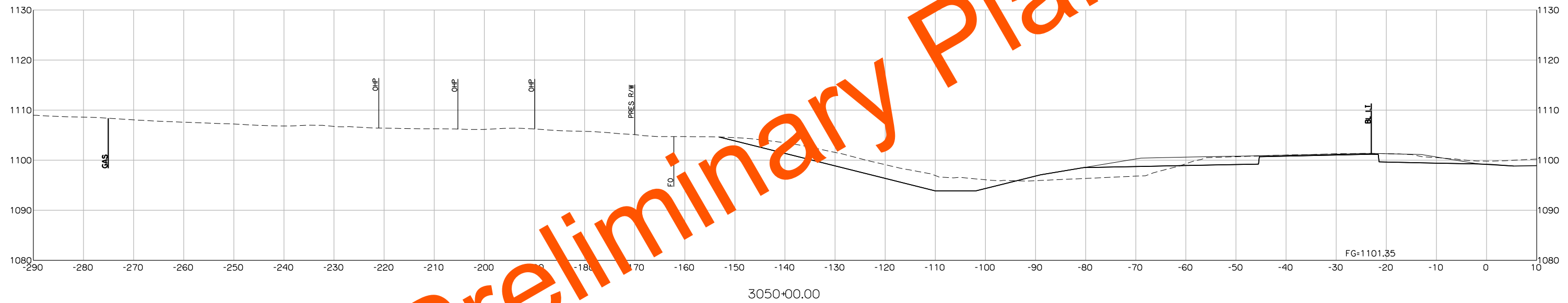


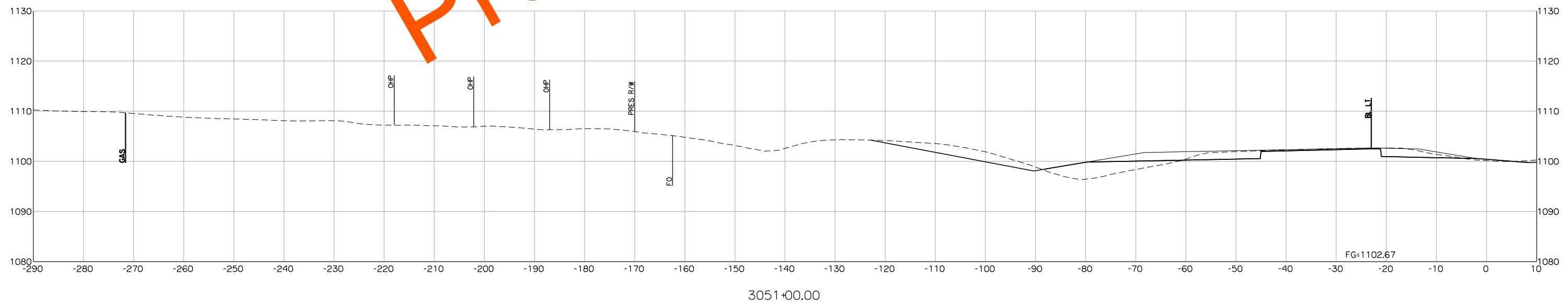
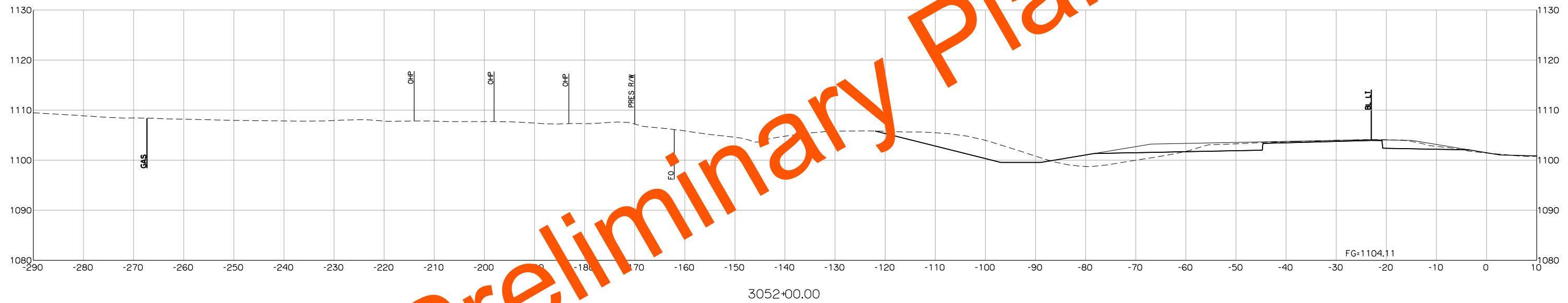
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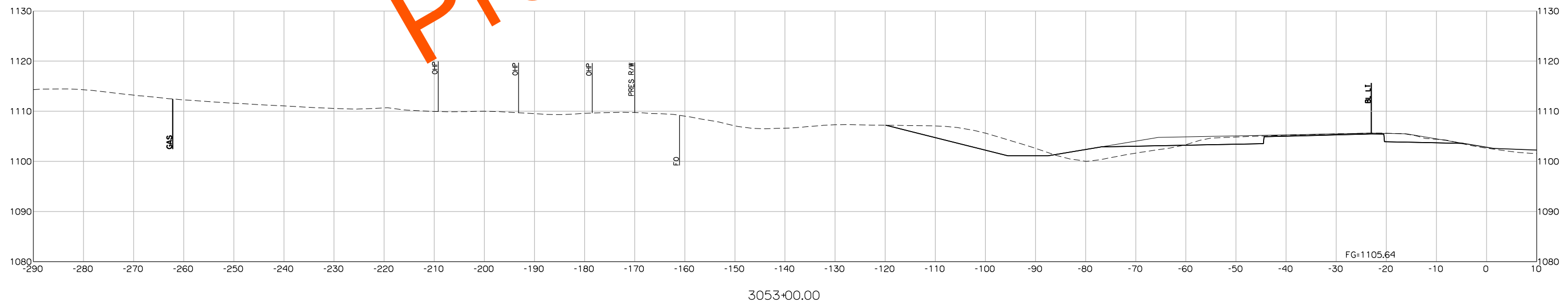
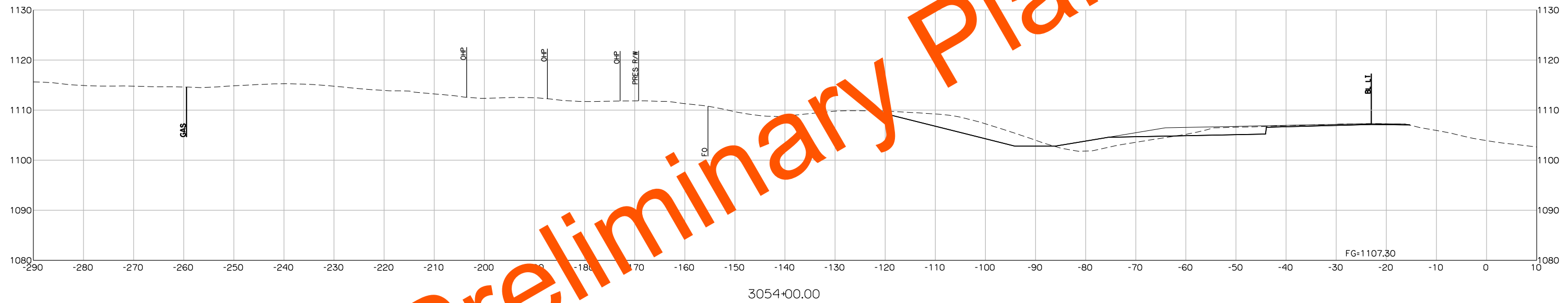


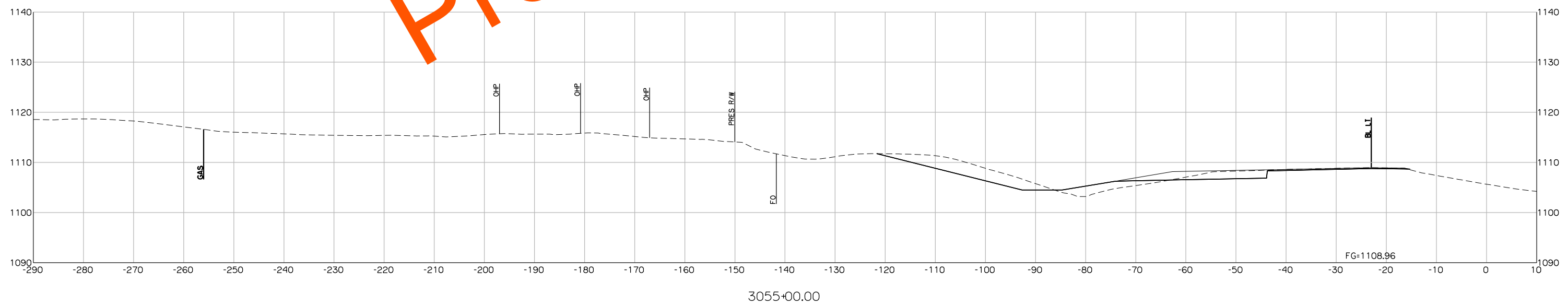
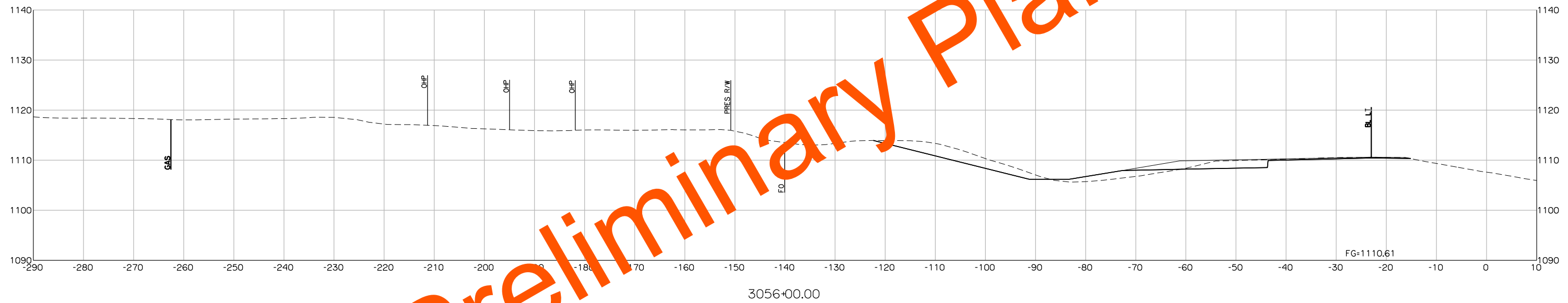
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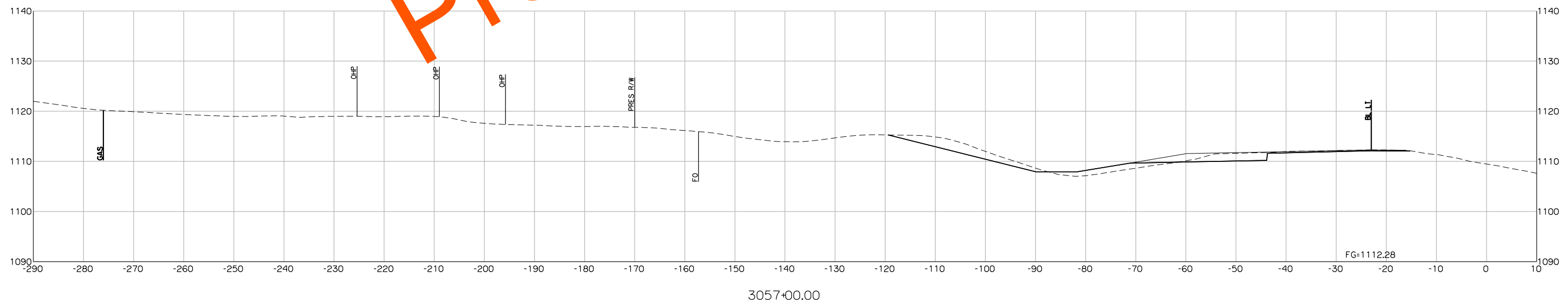
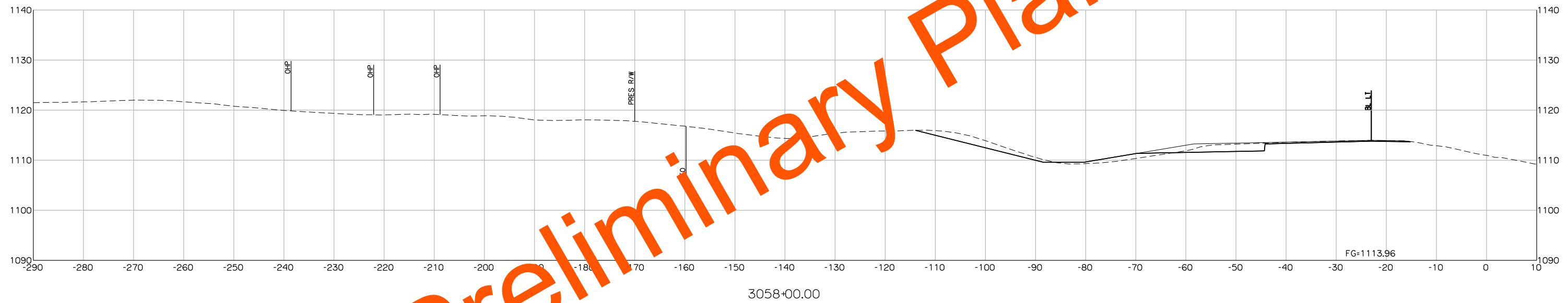




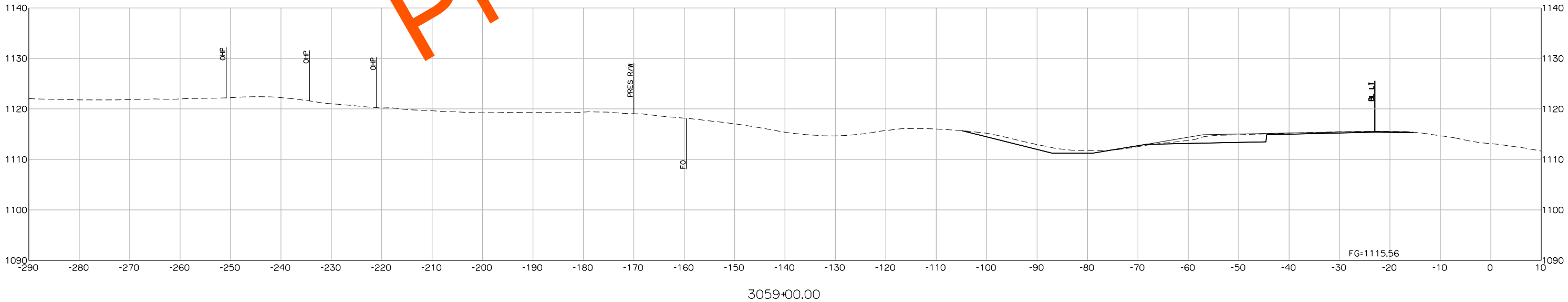




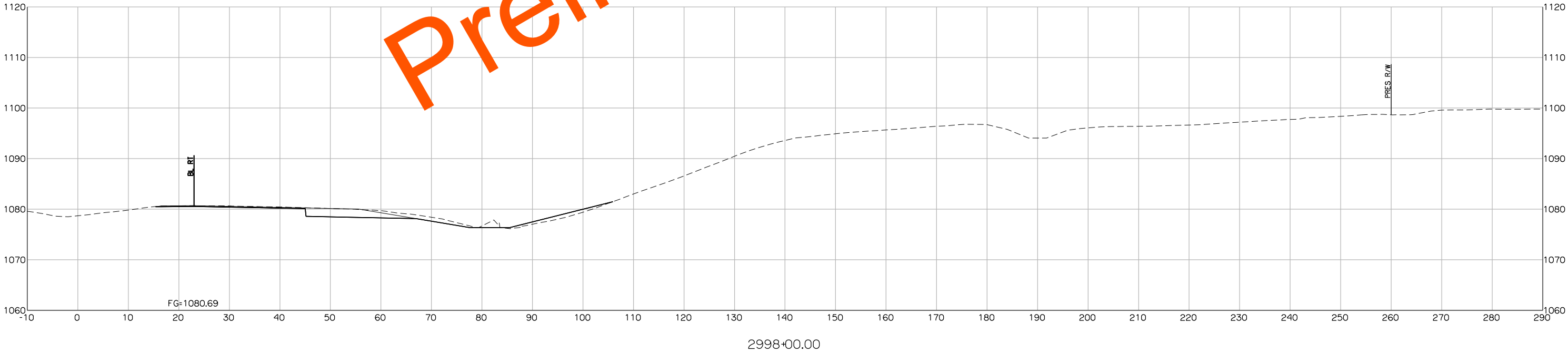
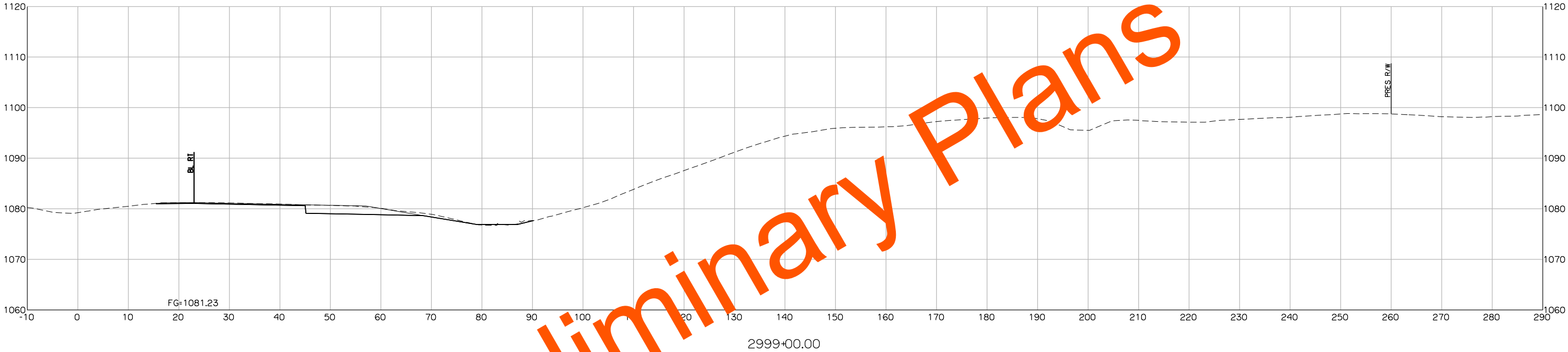


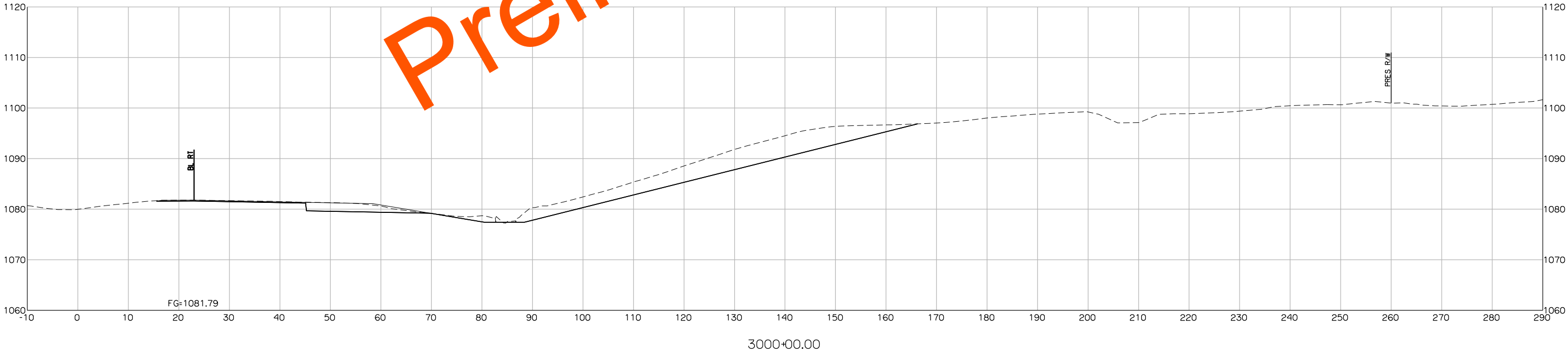
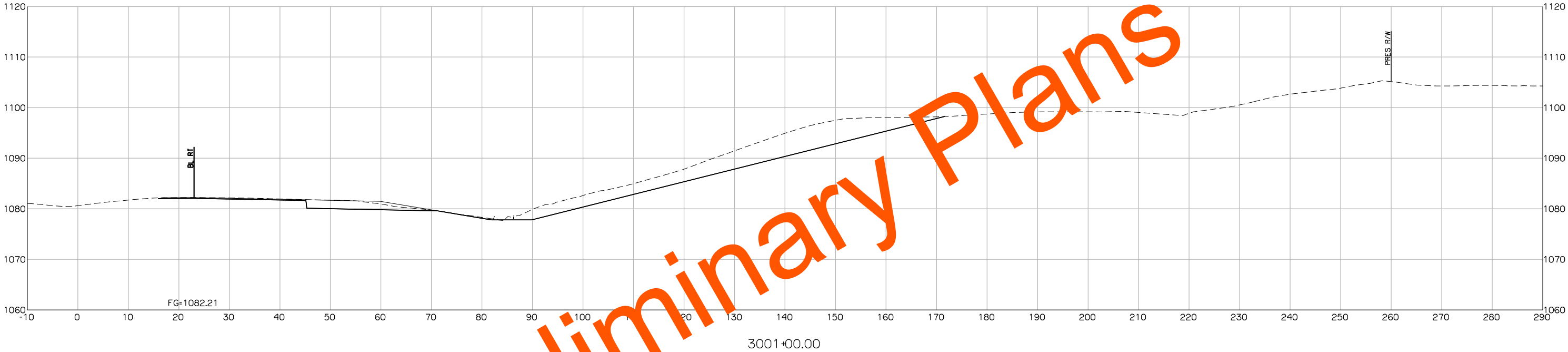


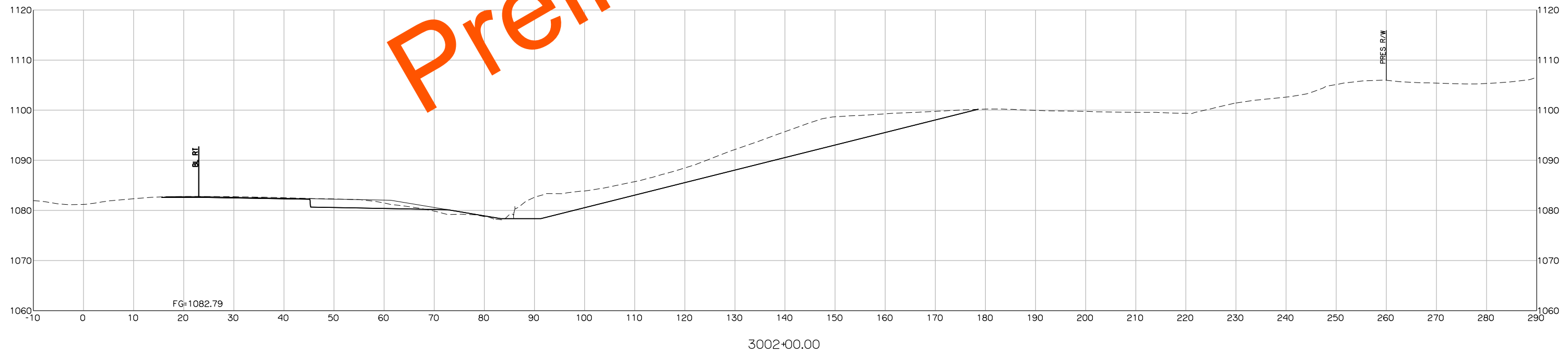
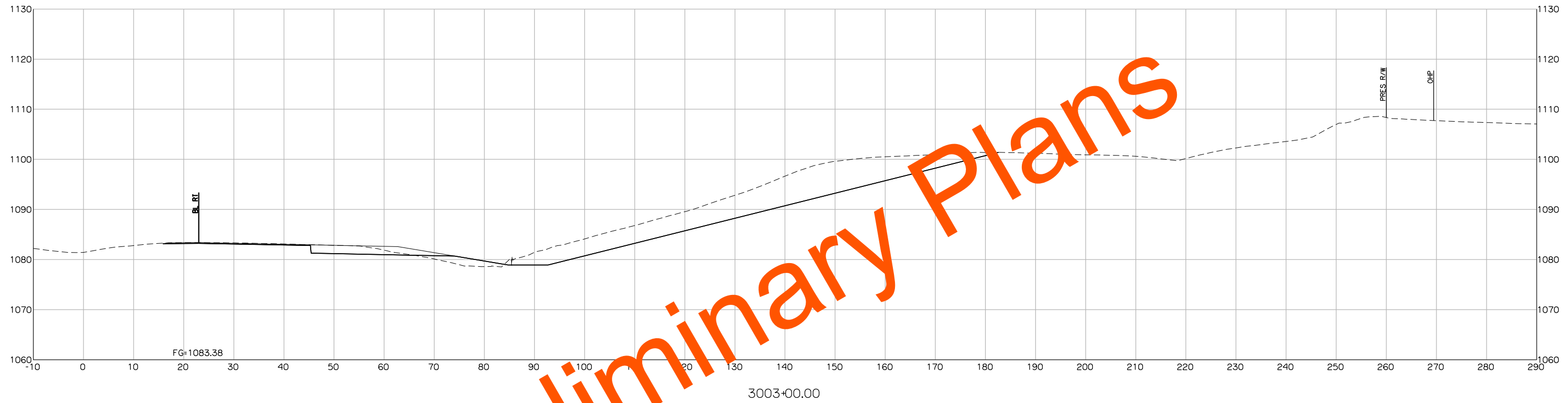
Preliminary Plans

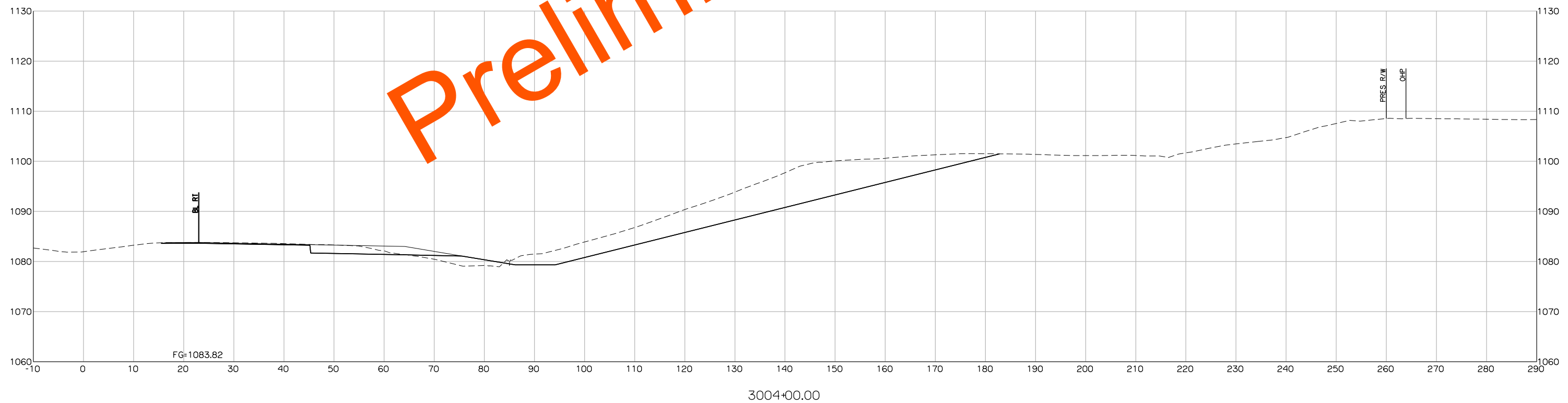
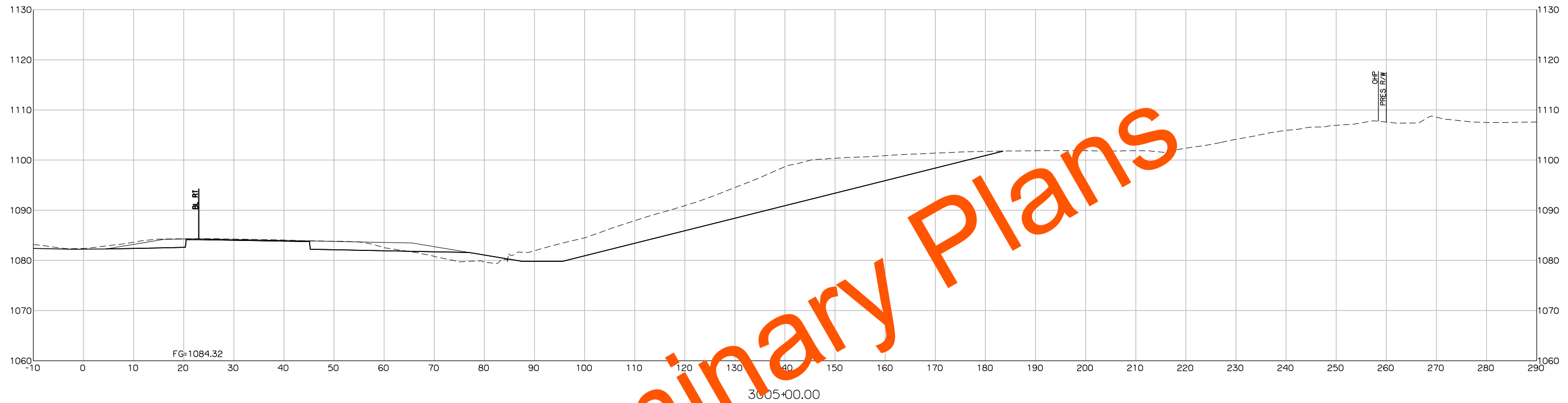


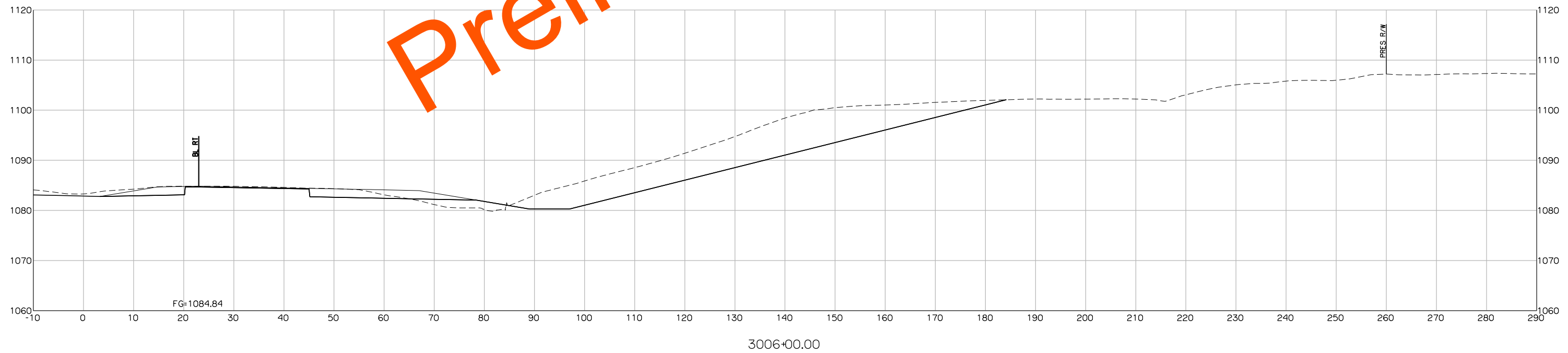
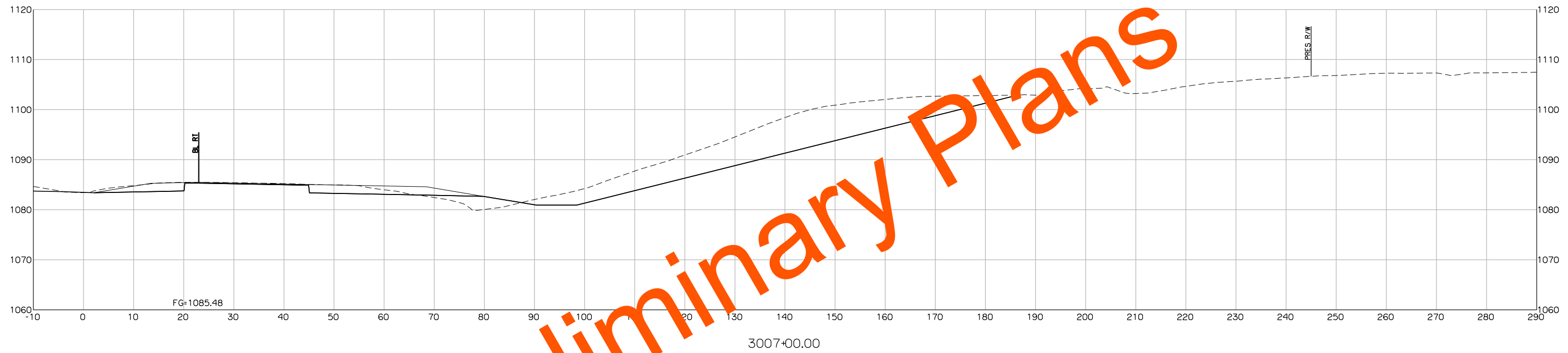
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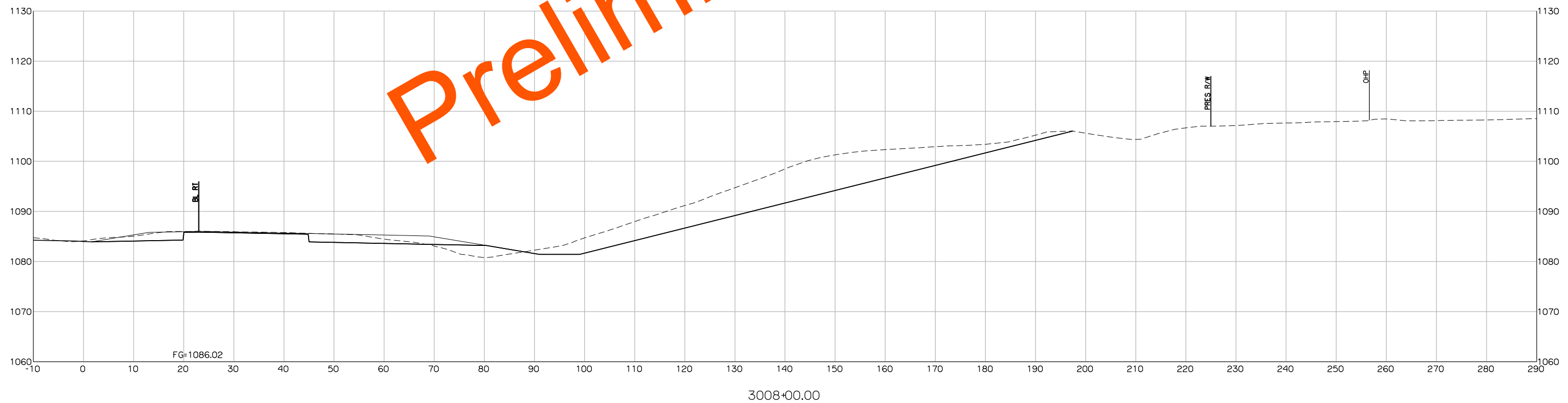
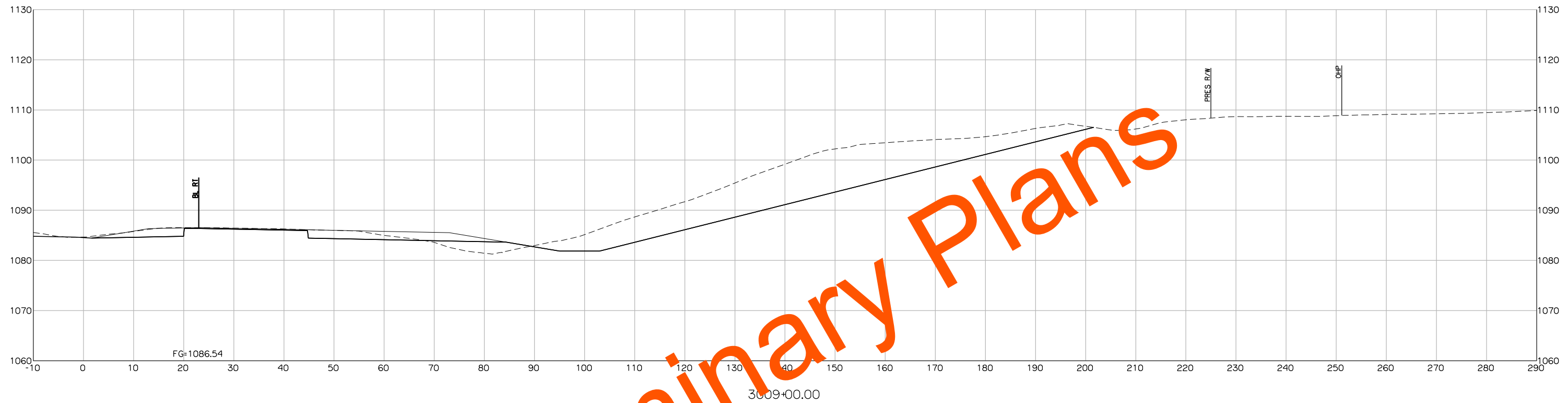


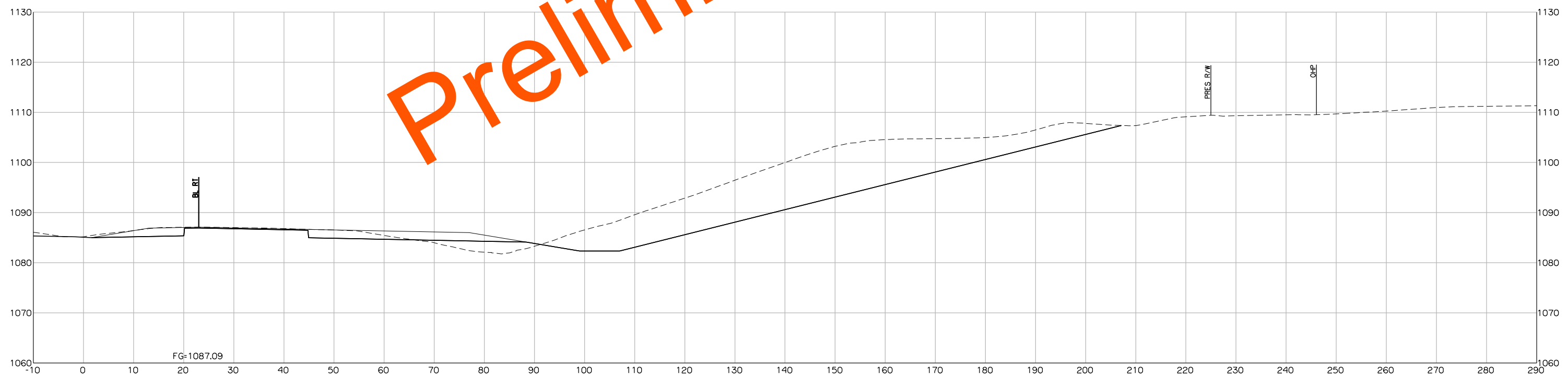
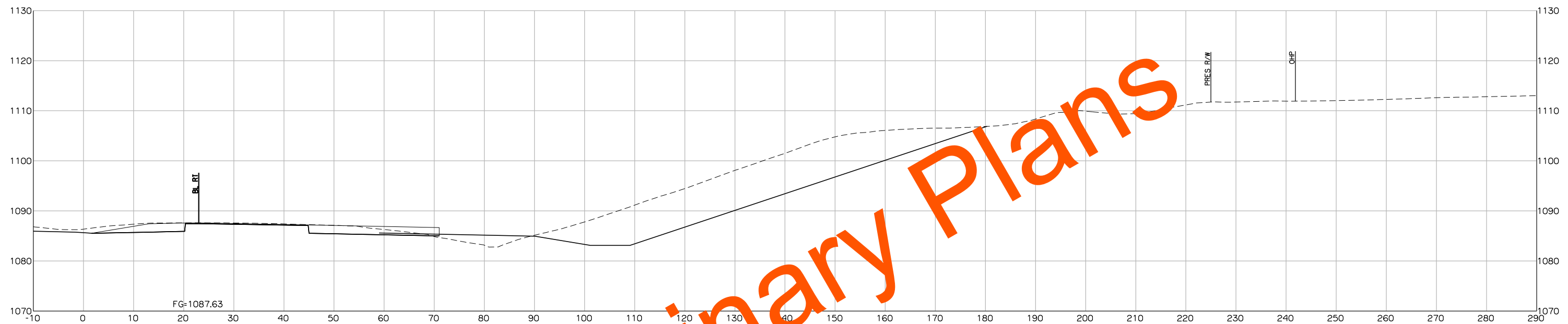




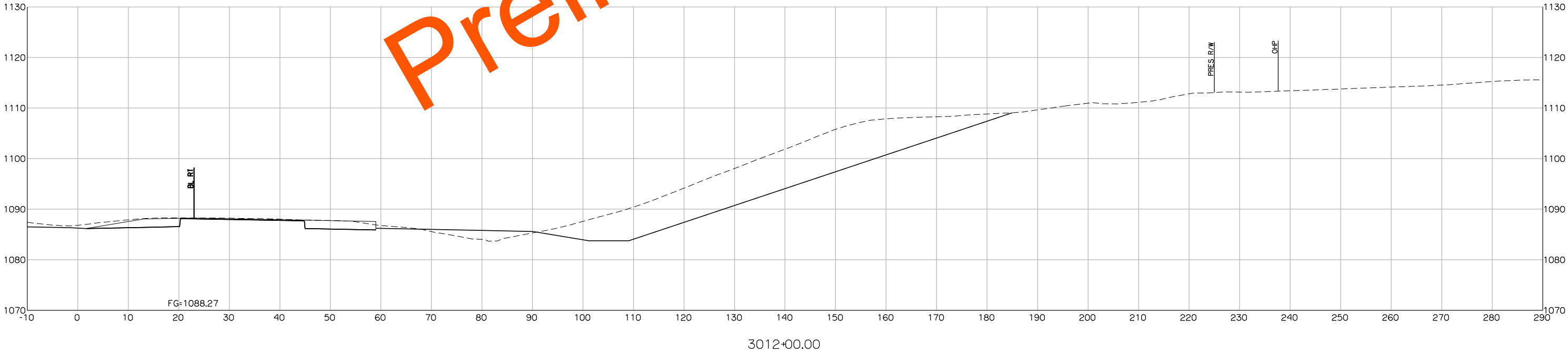
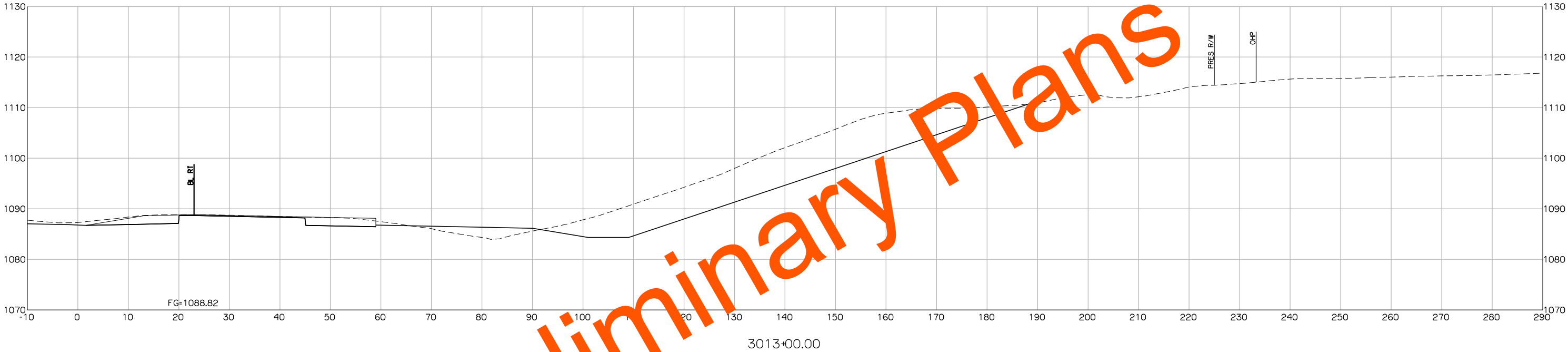


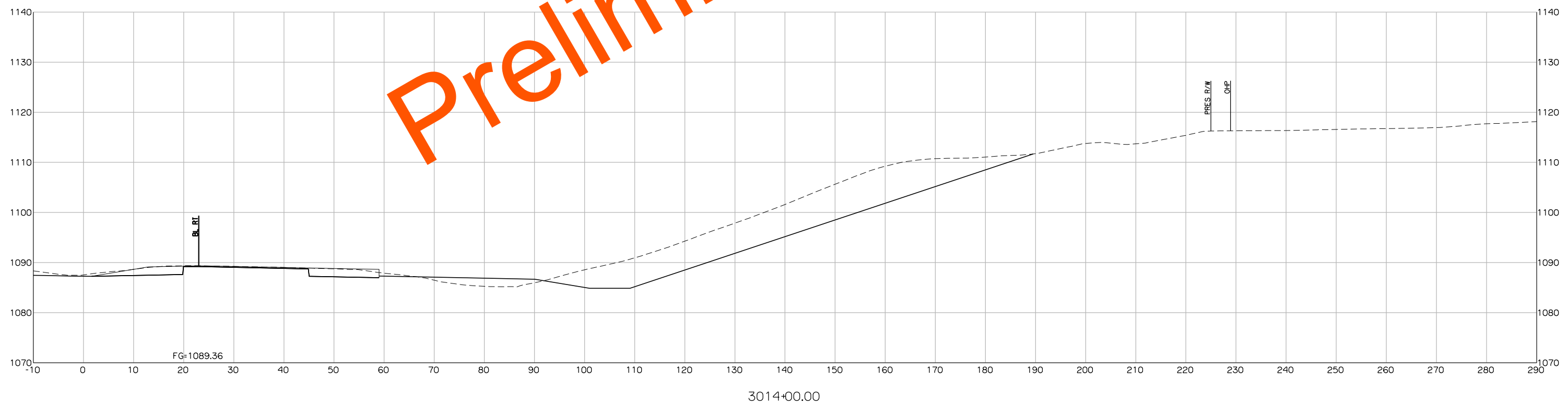
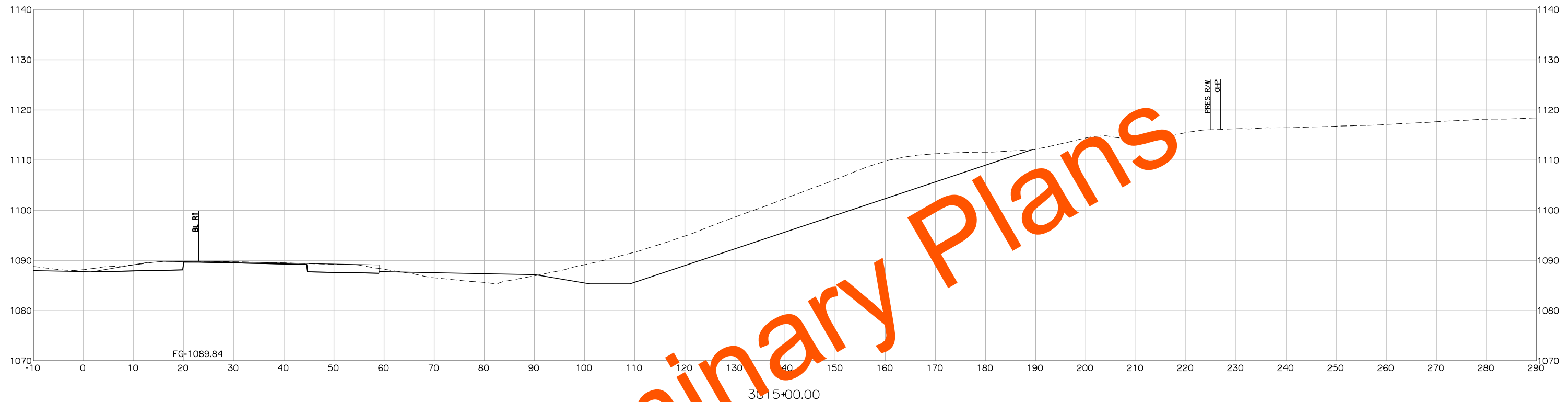


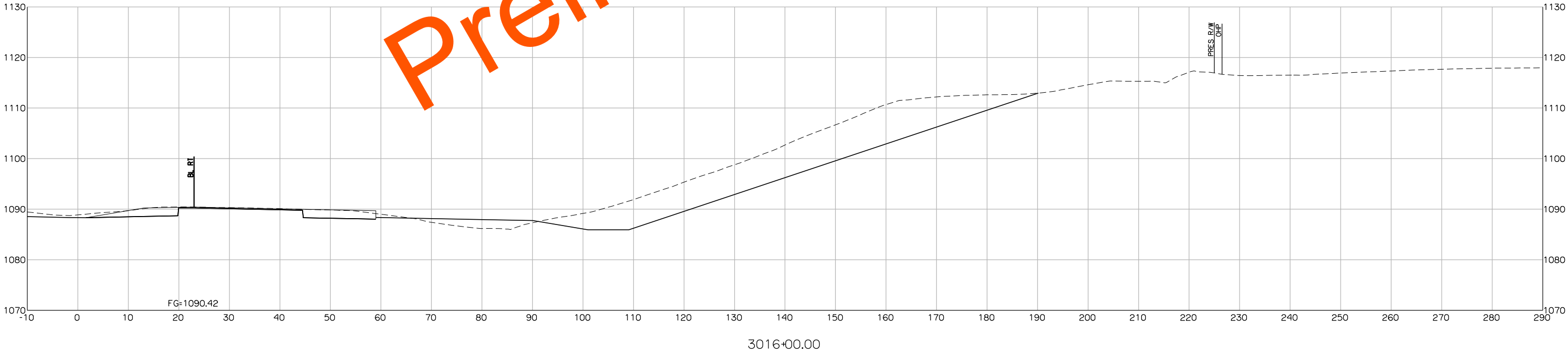
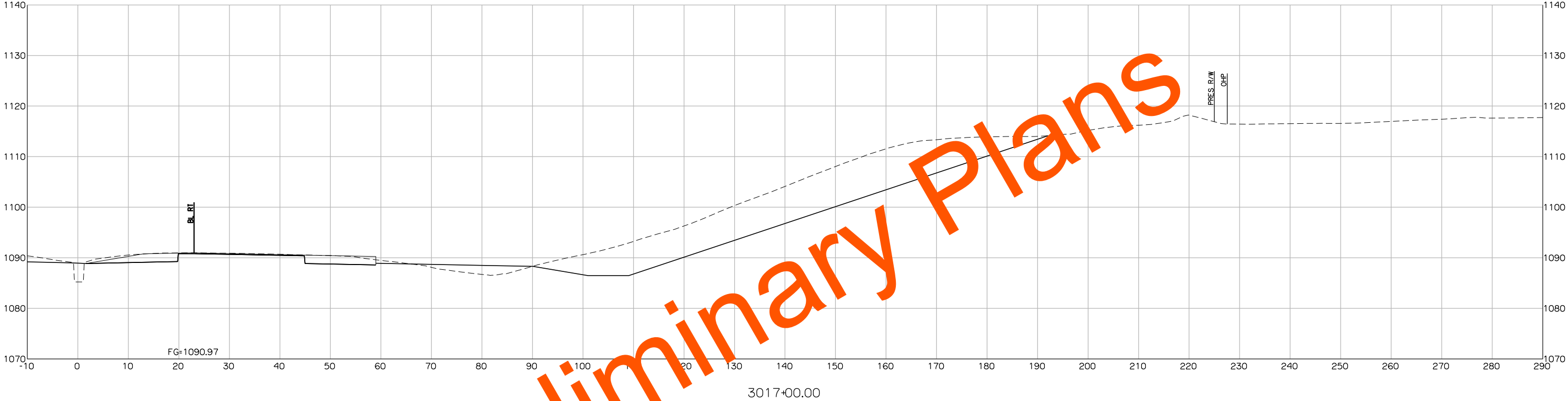


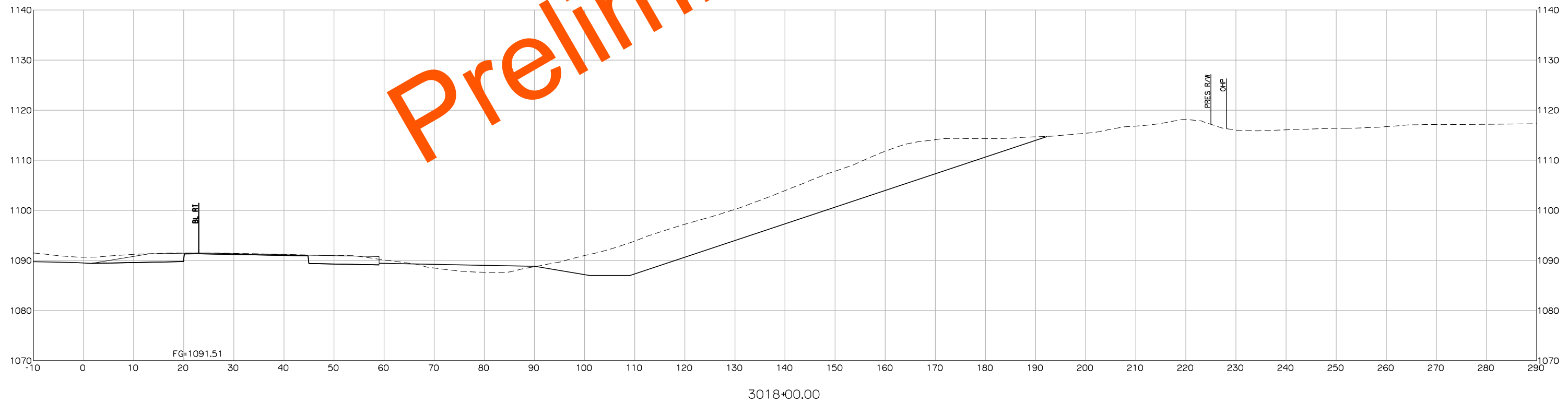
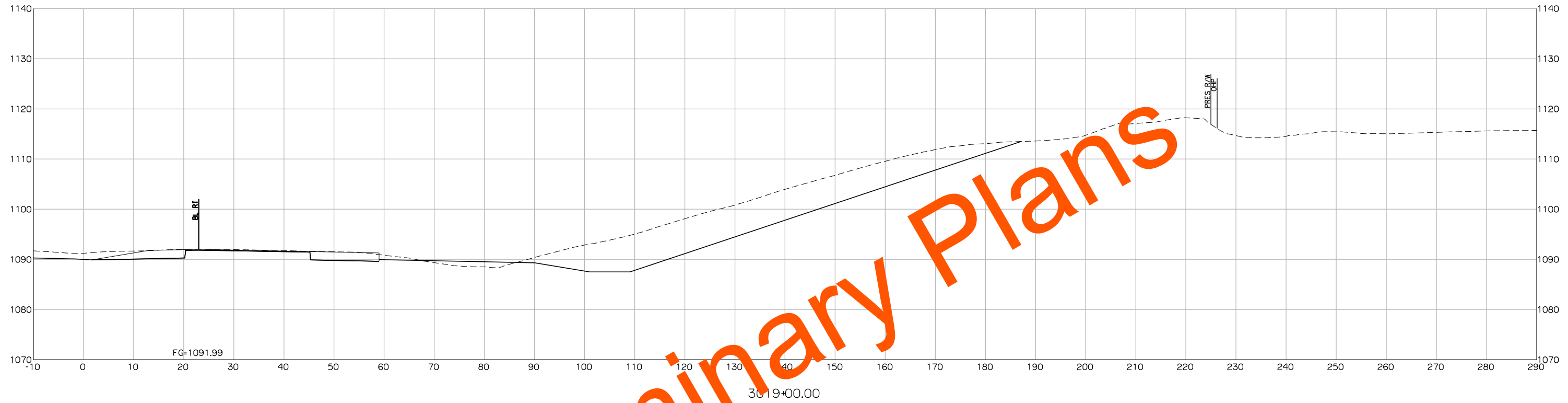


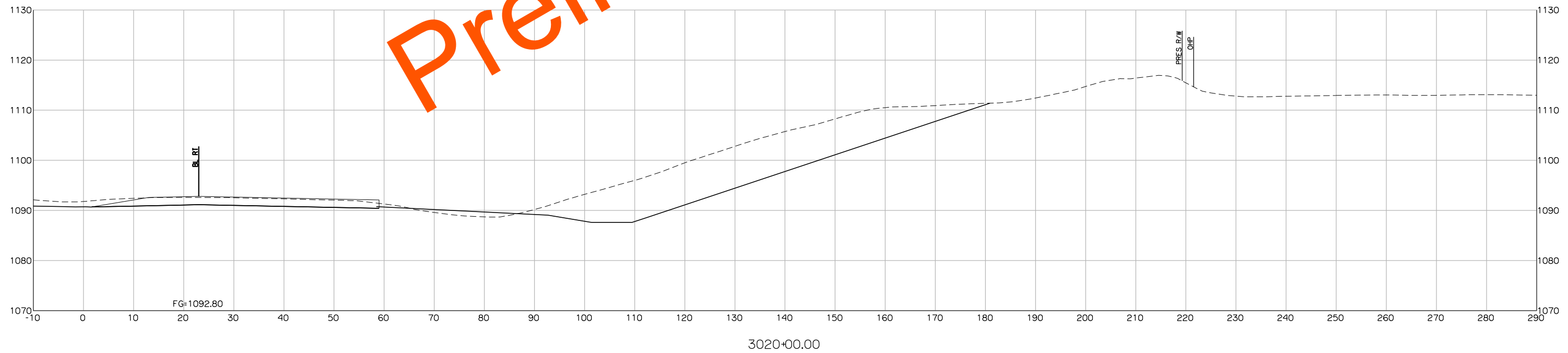
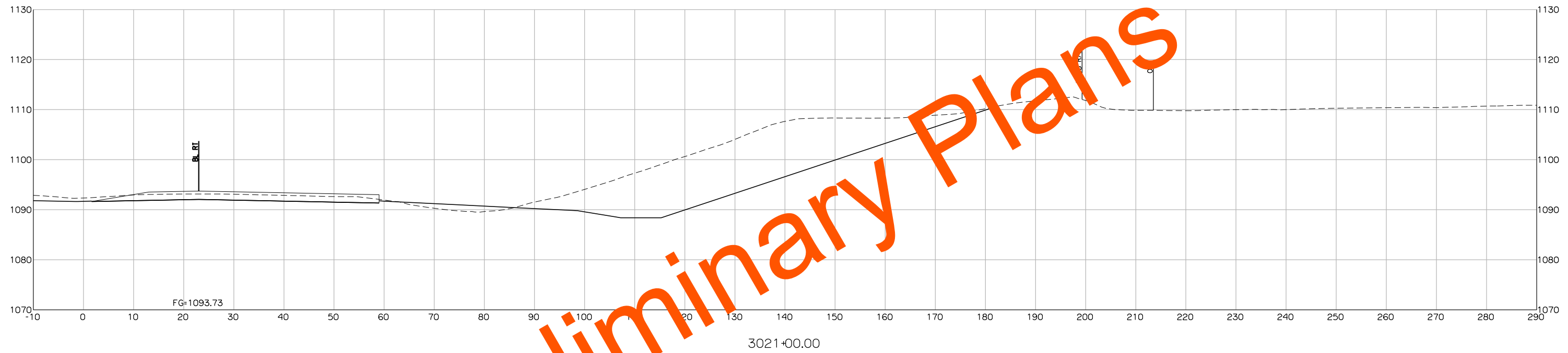
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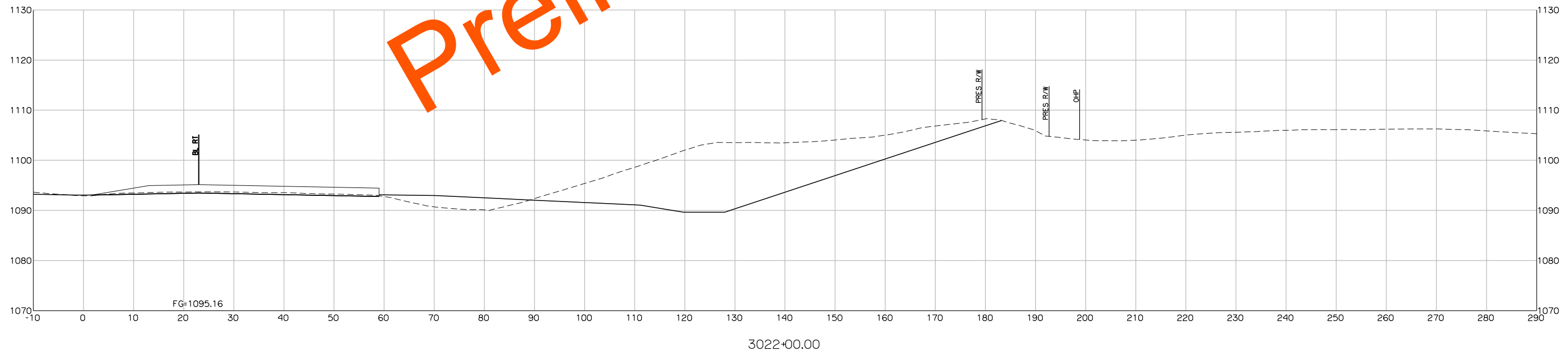
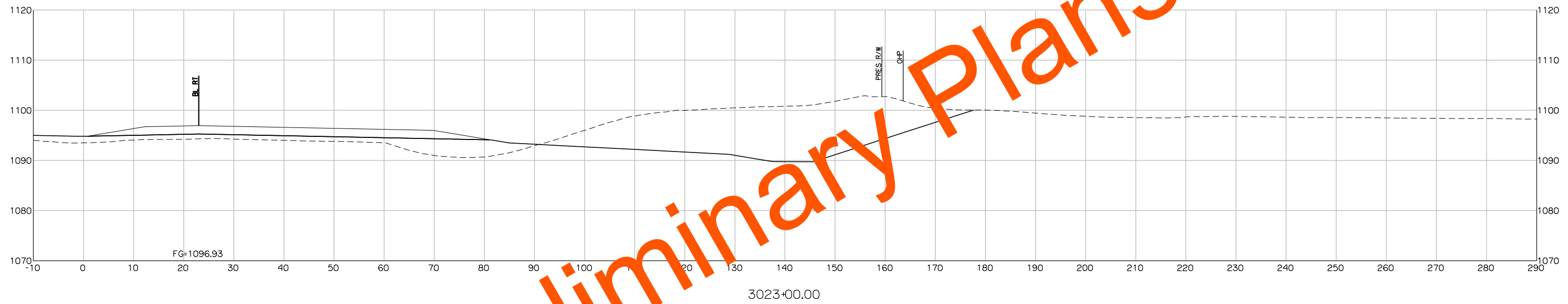


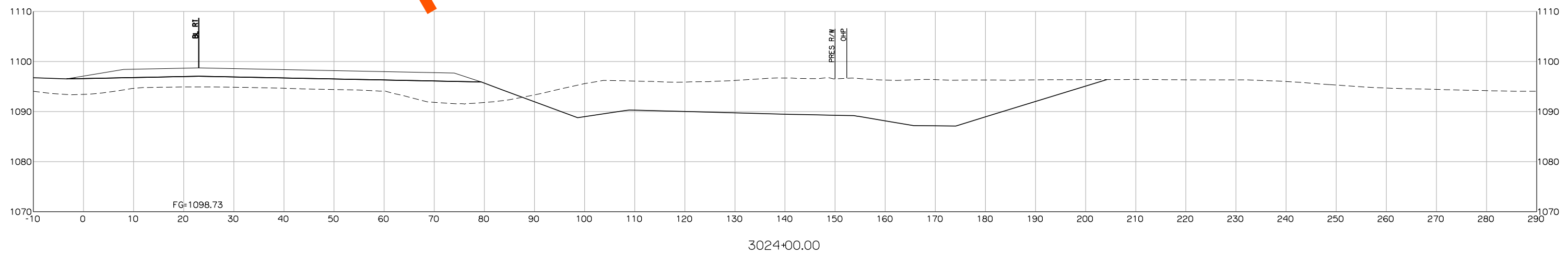
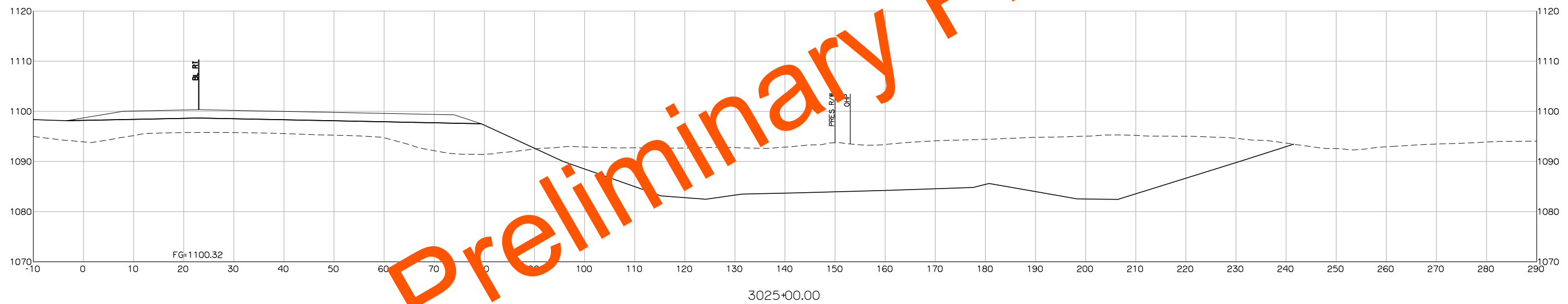


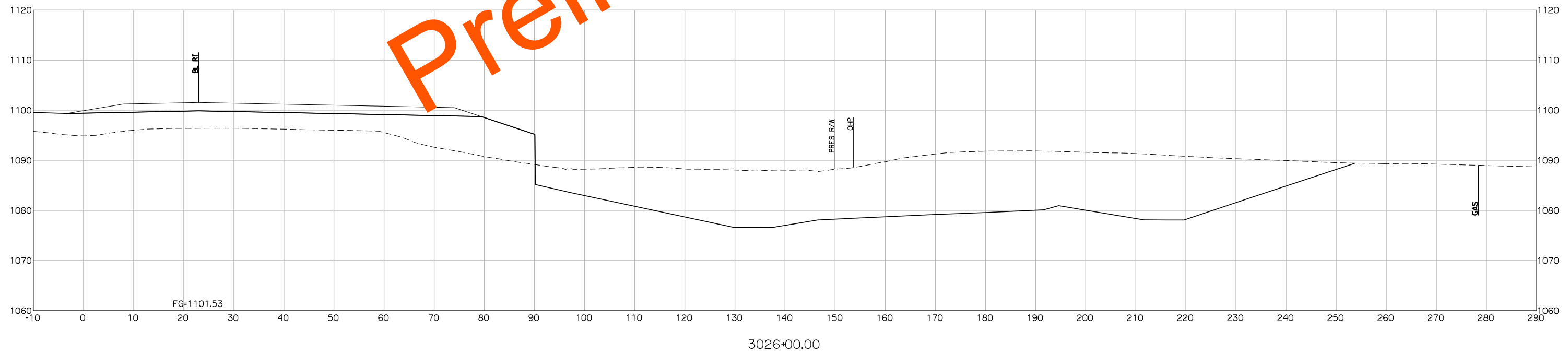
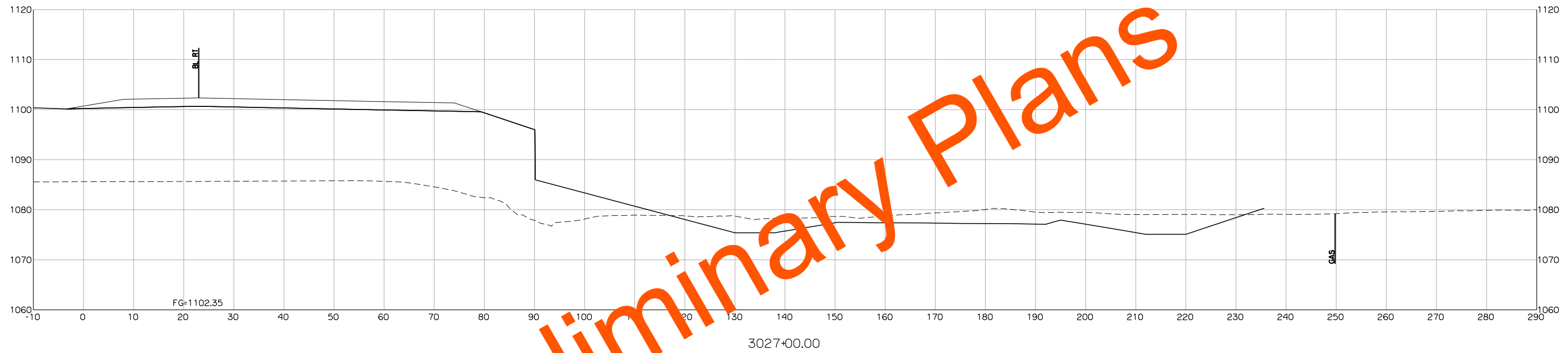


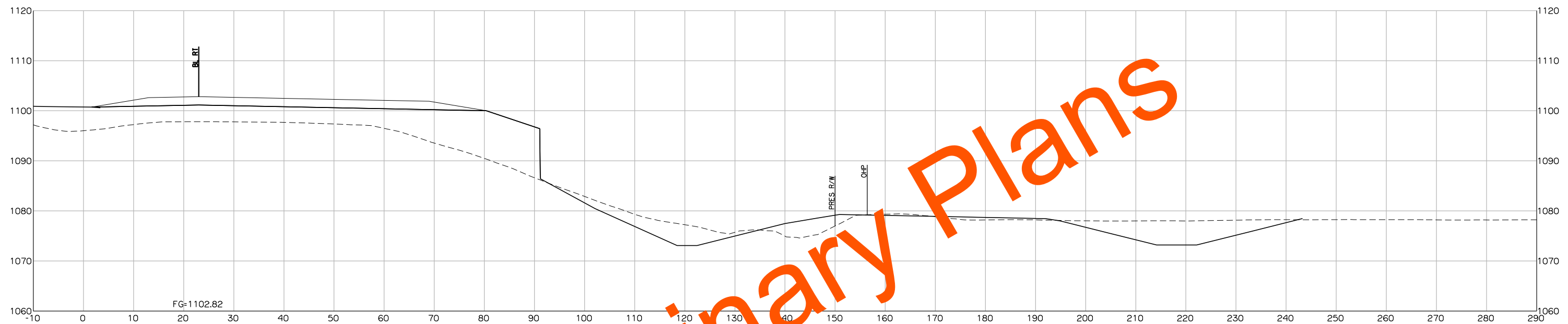




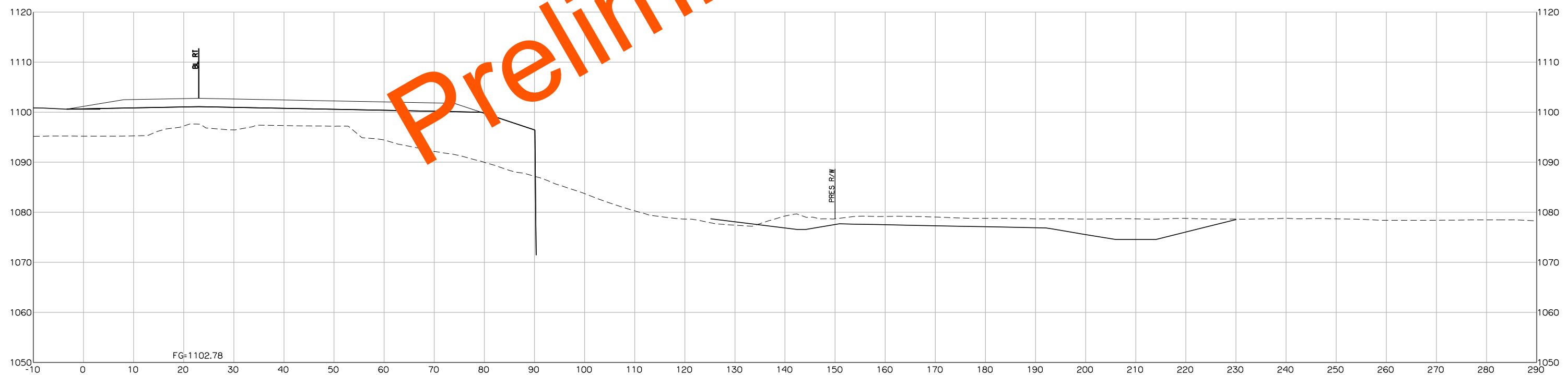




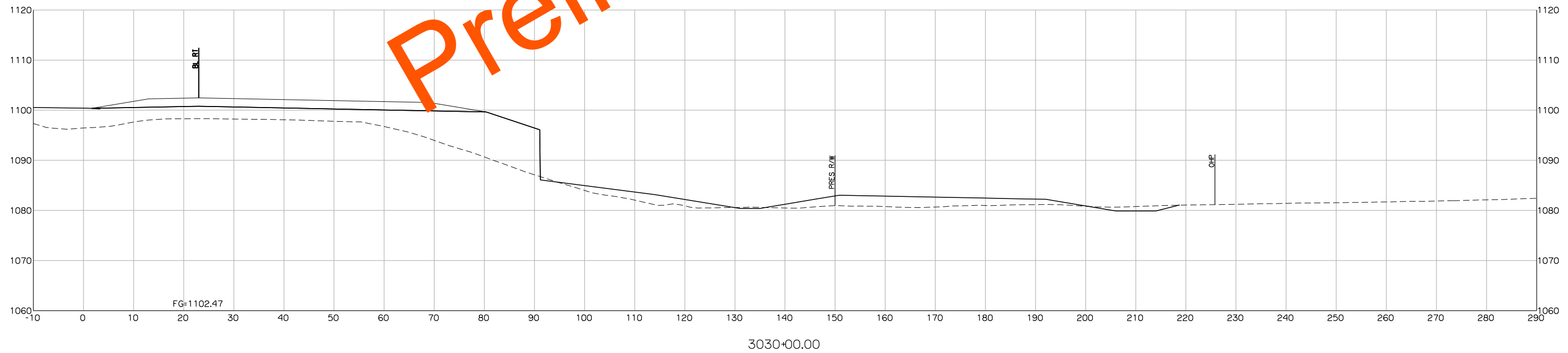
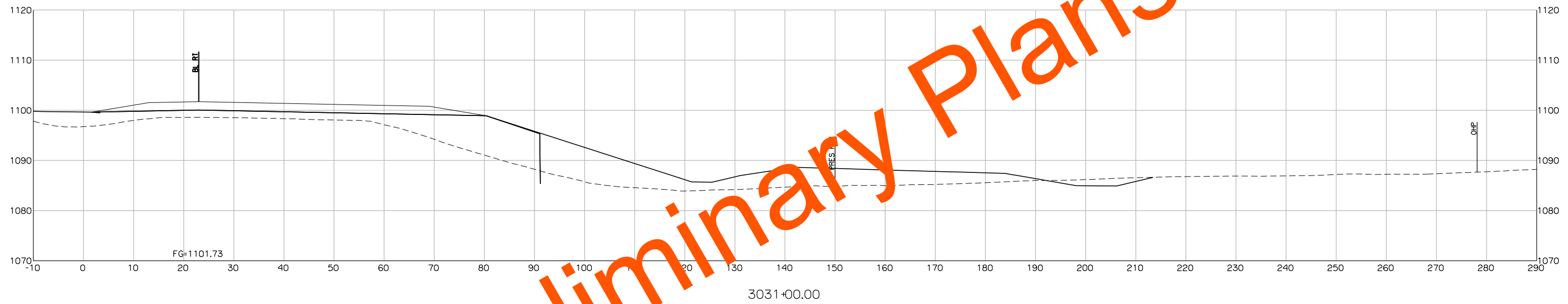


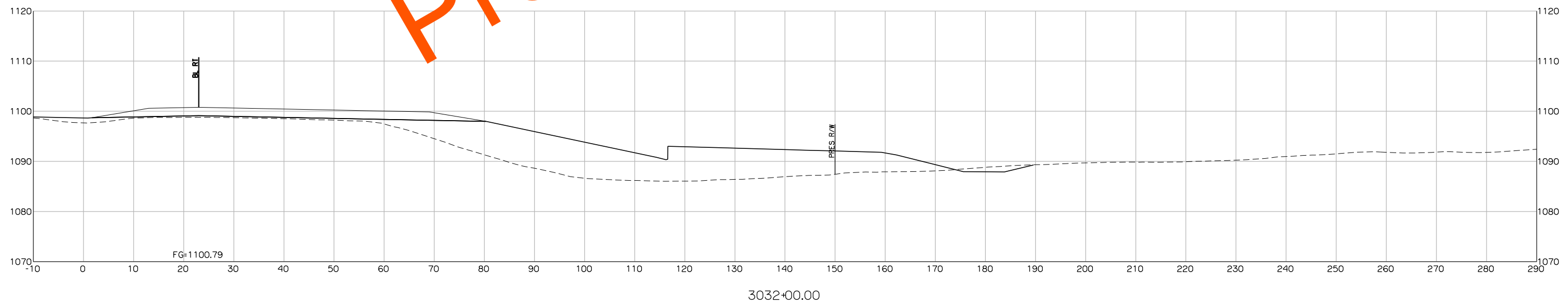
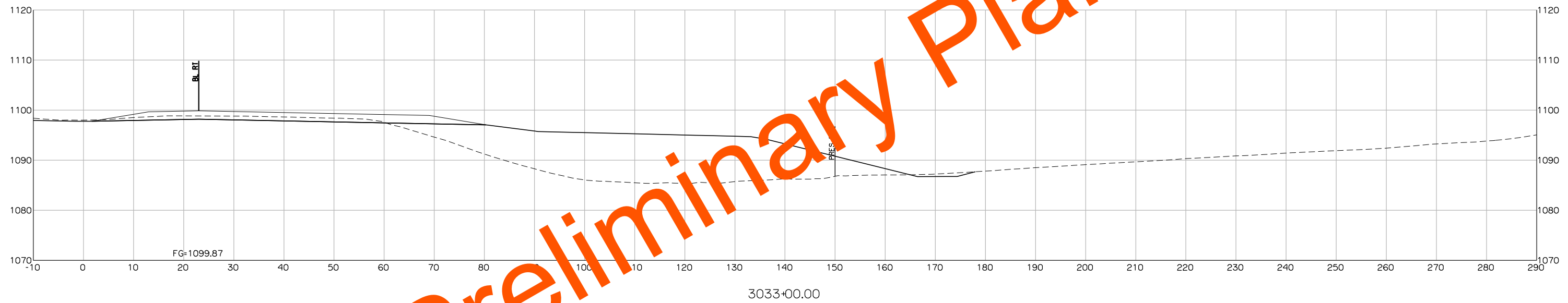


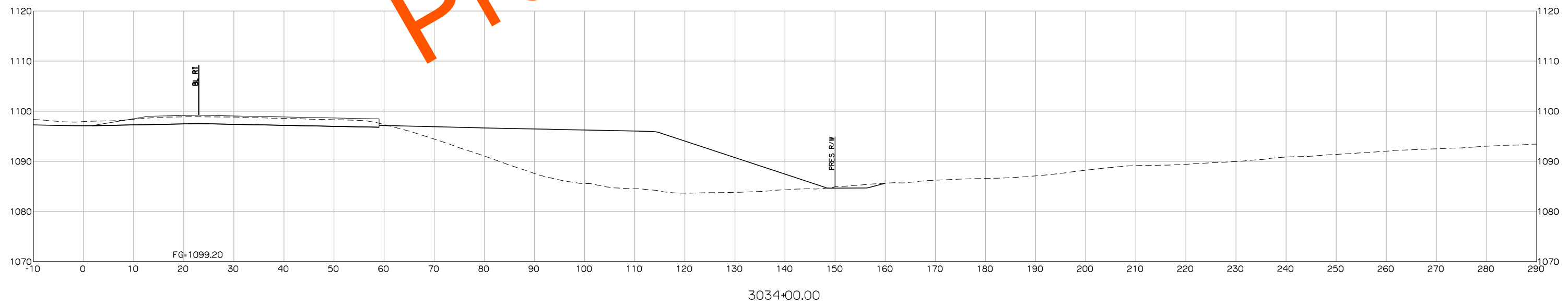
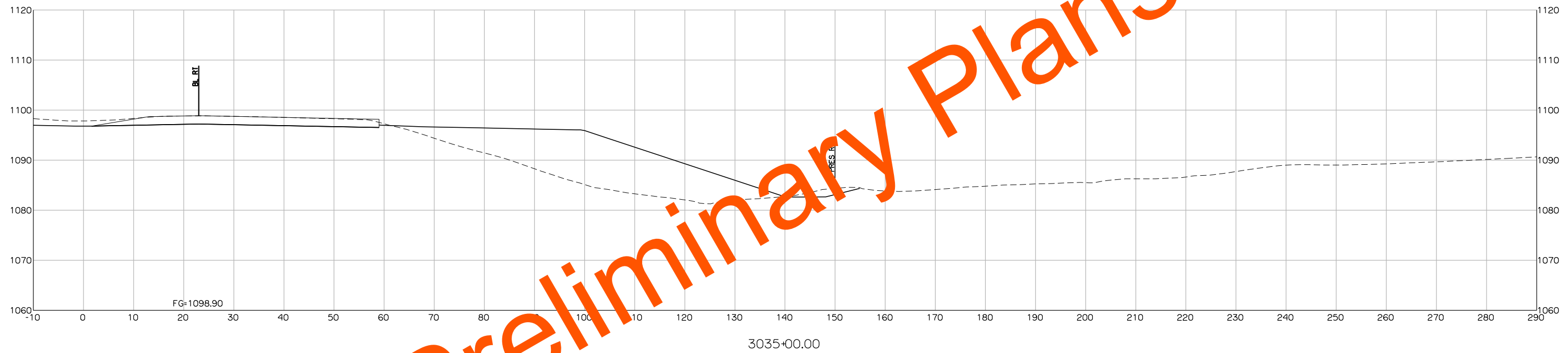
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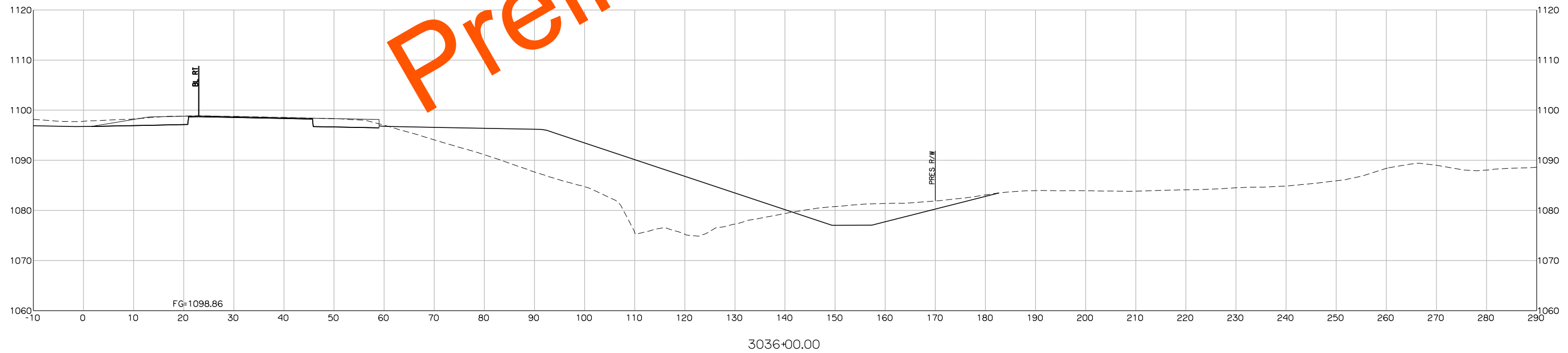
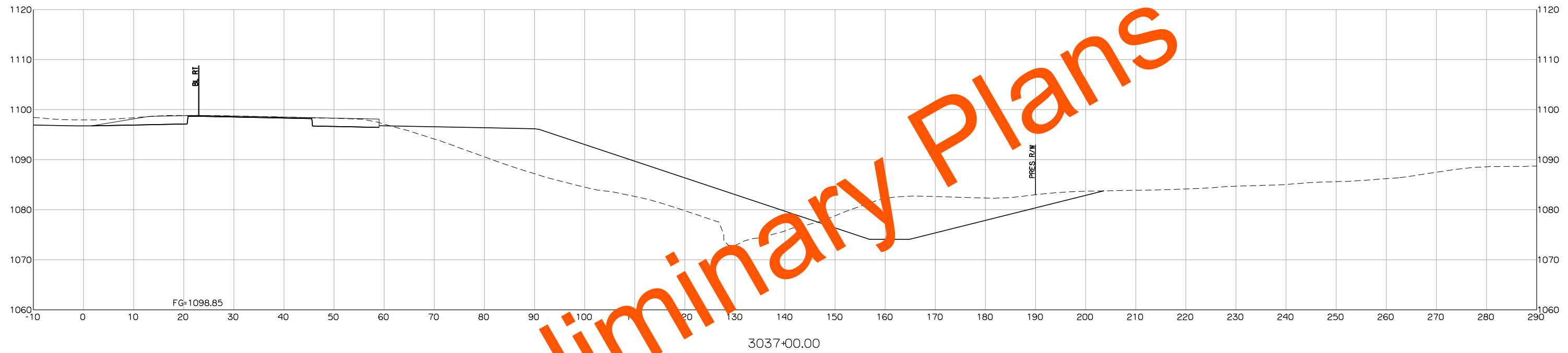


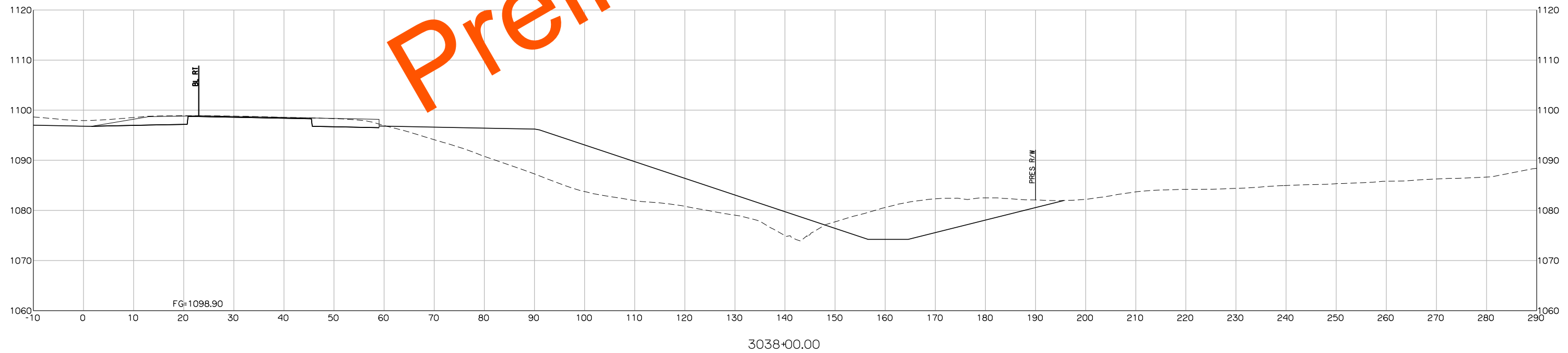
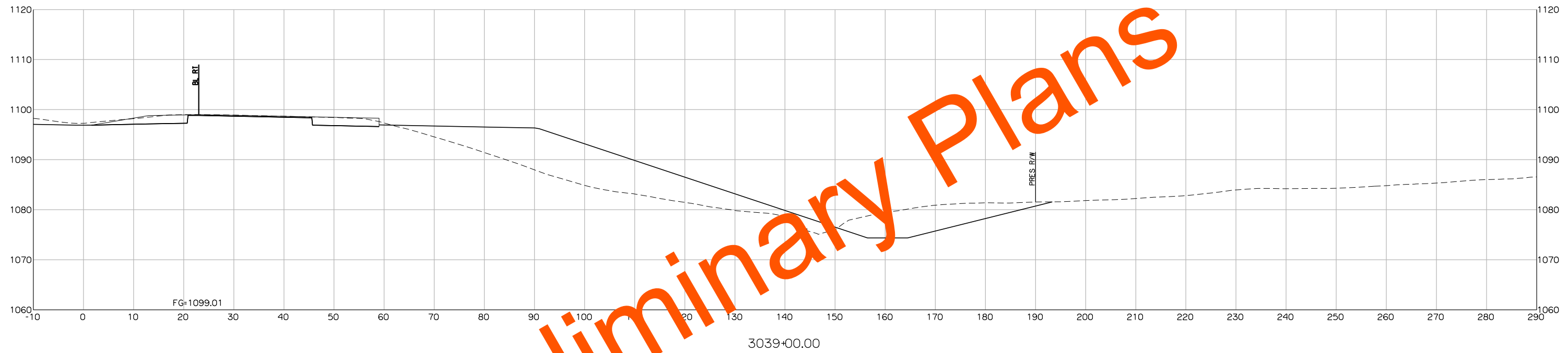
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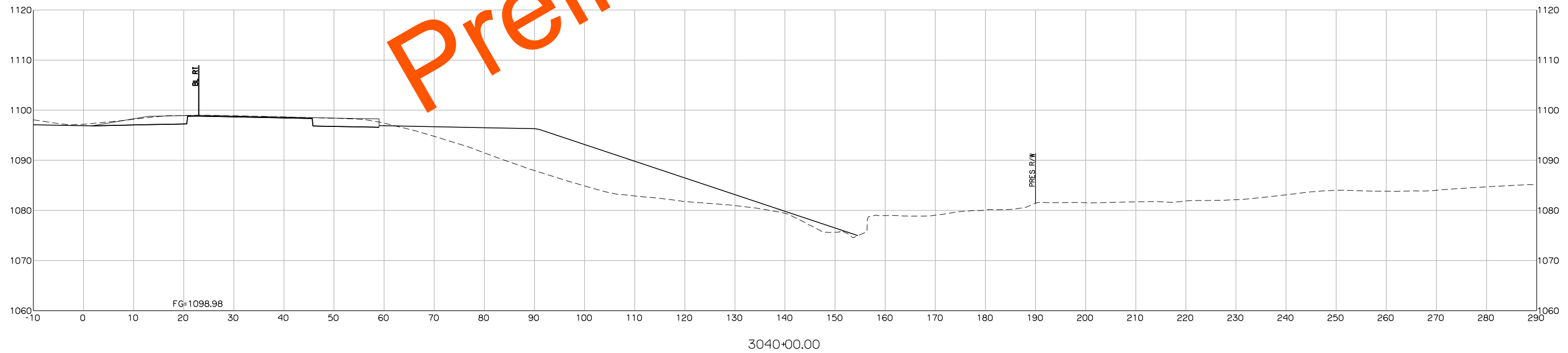
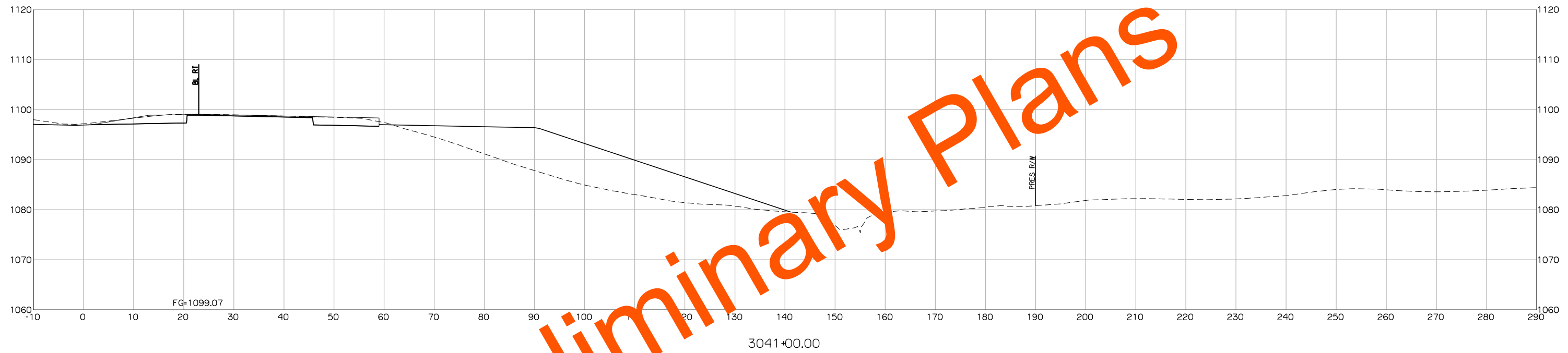


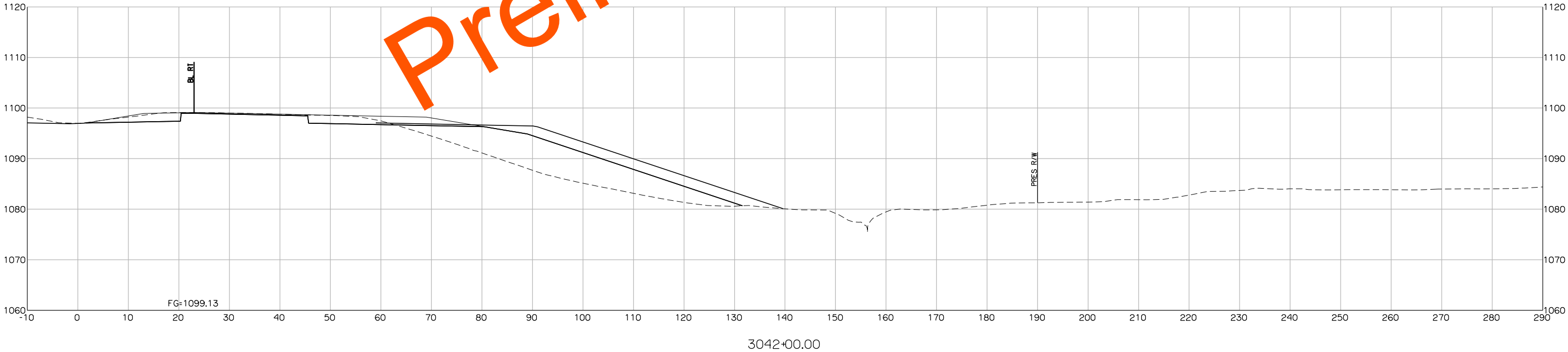
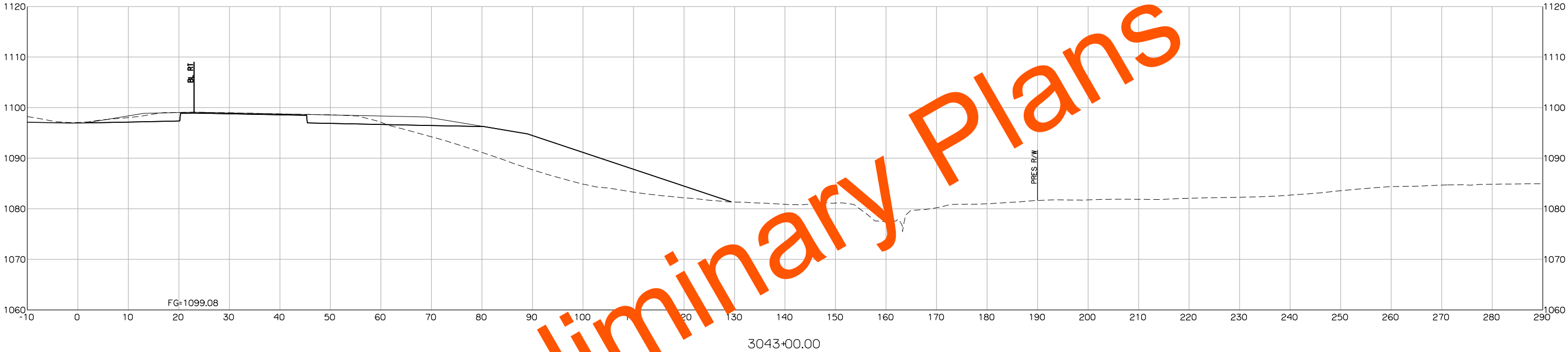


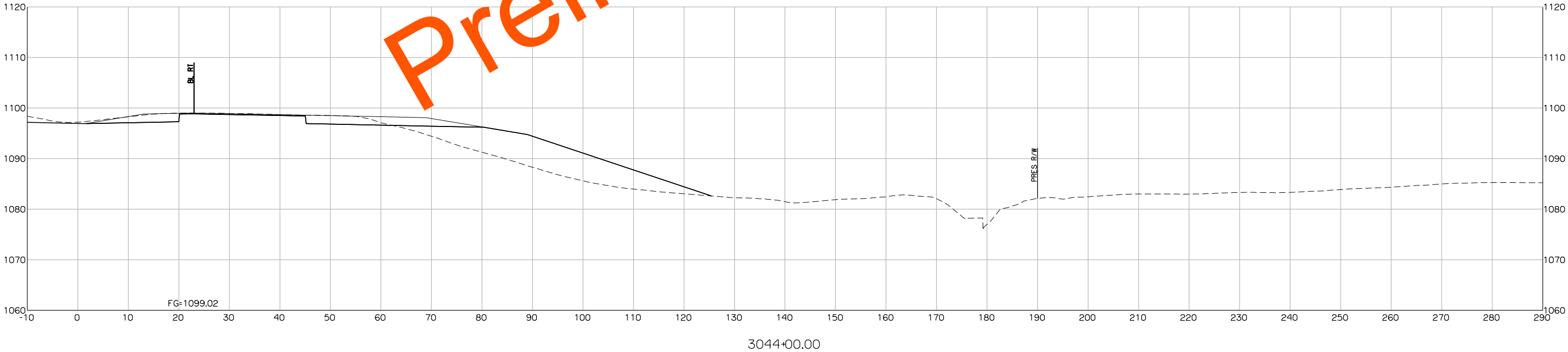
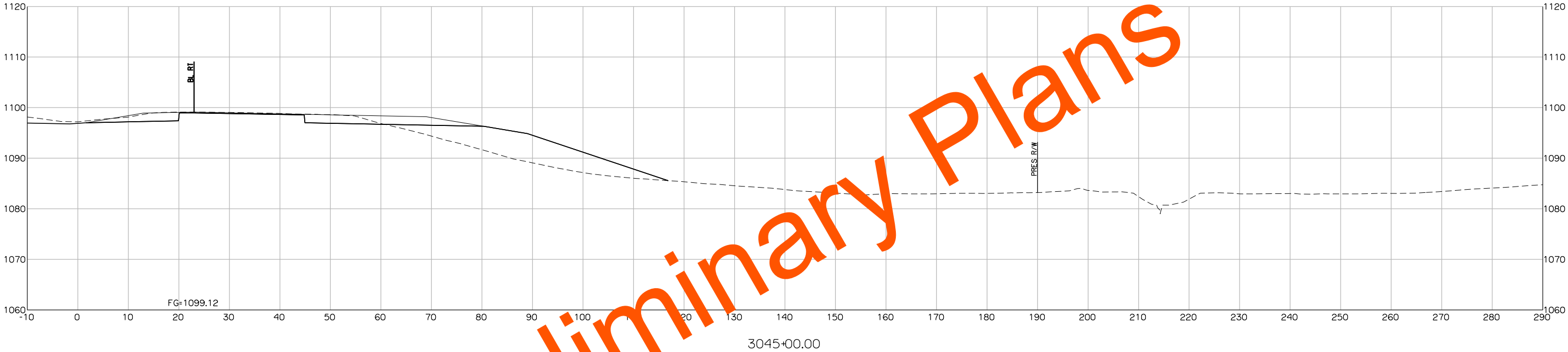


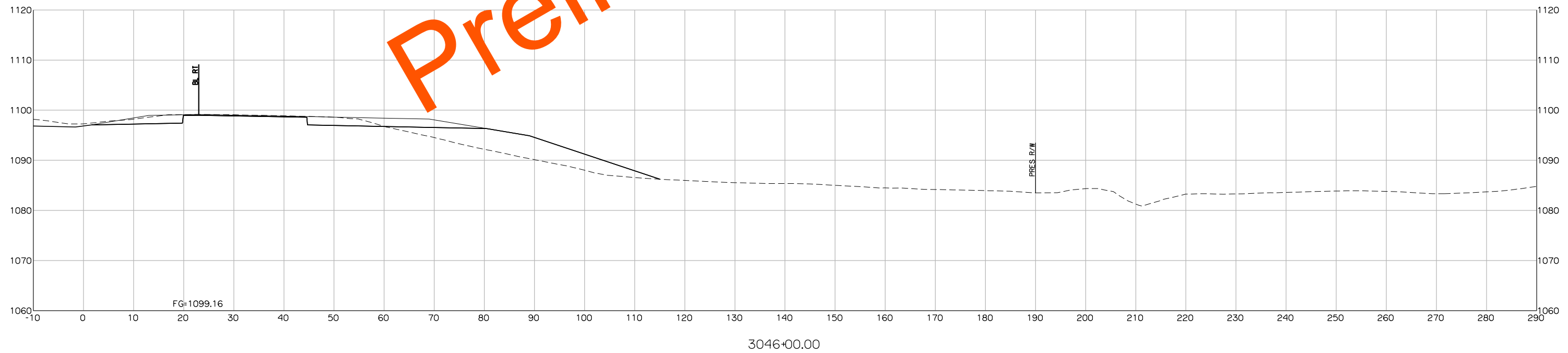
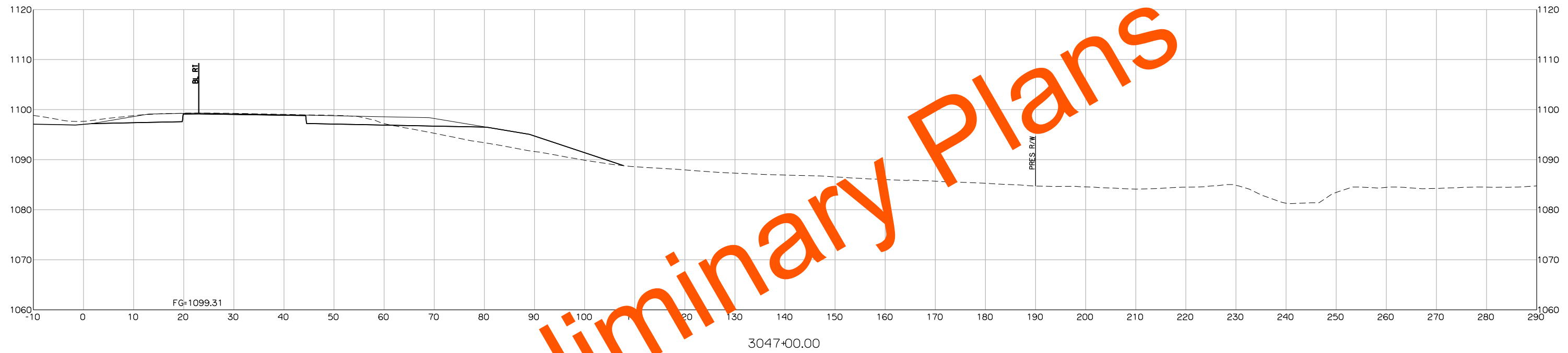


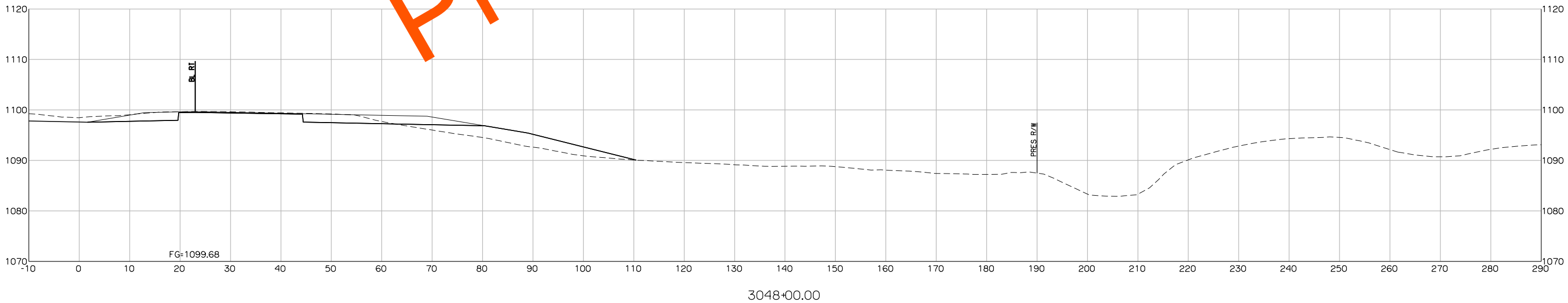
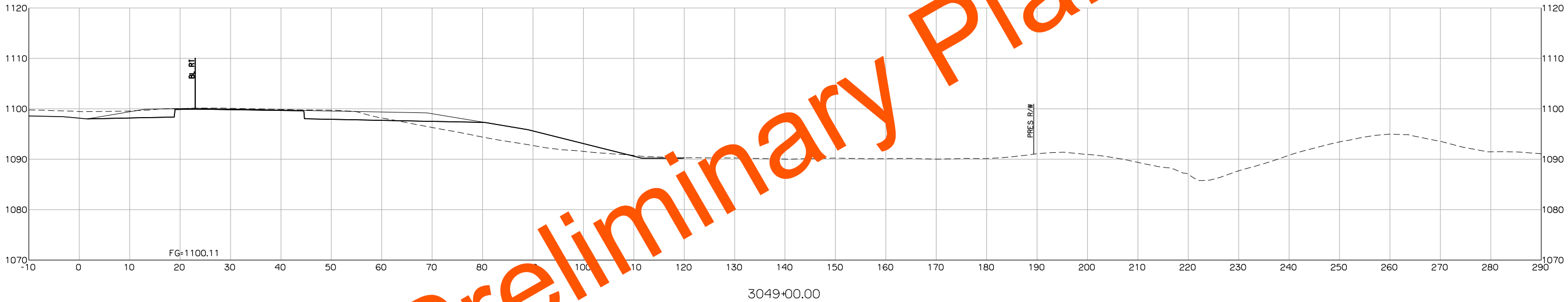


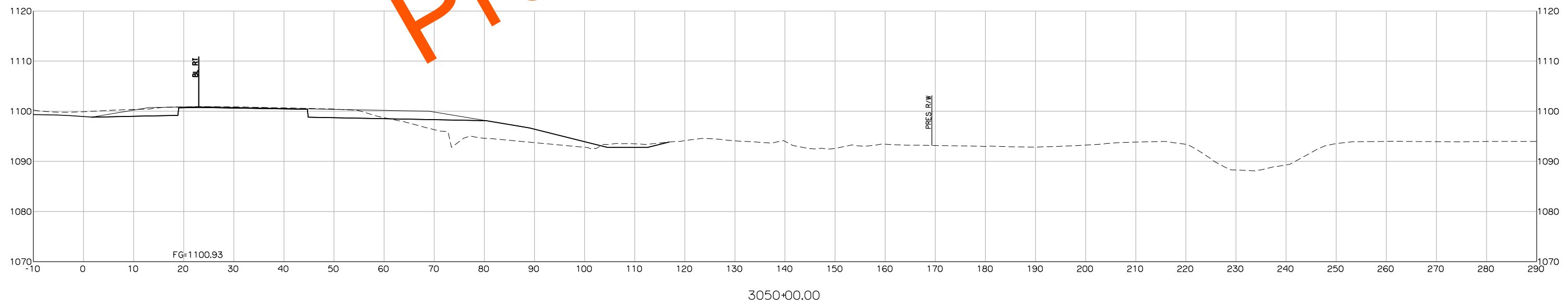
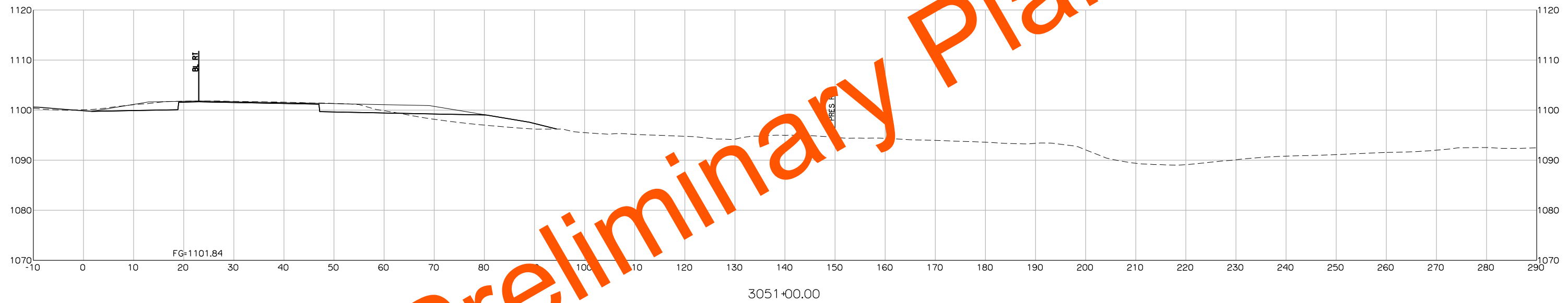


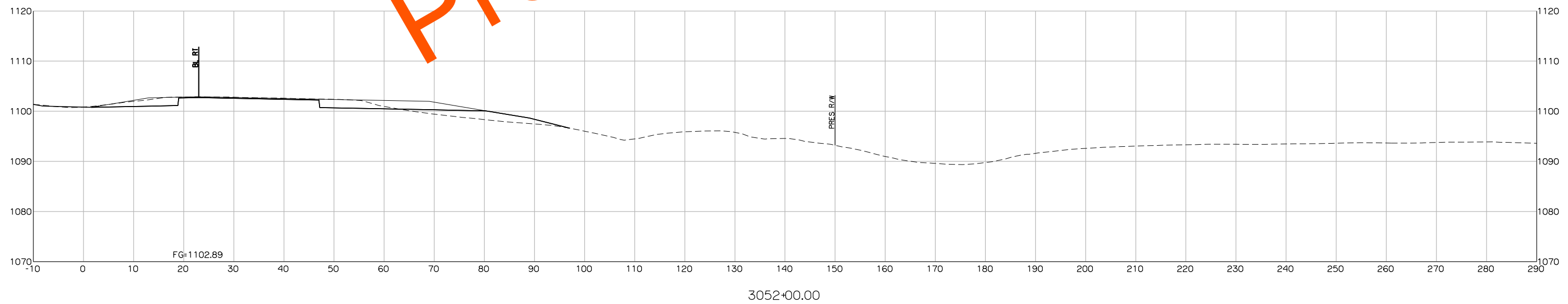
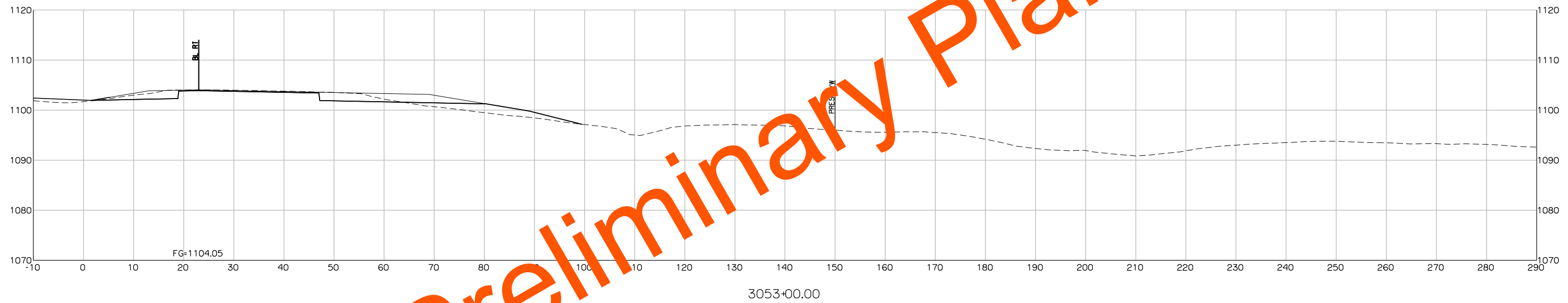


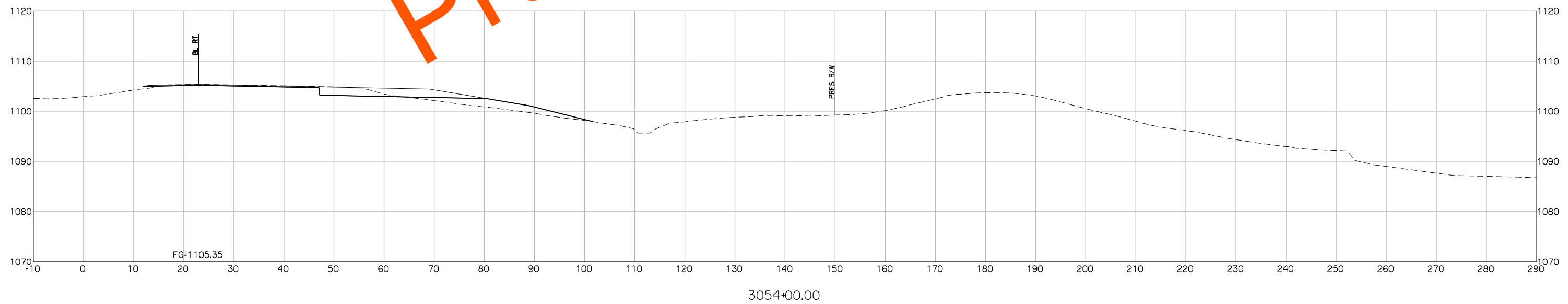
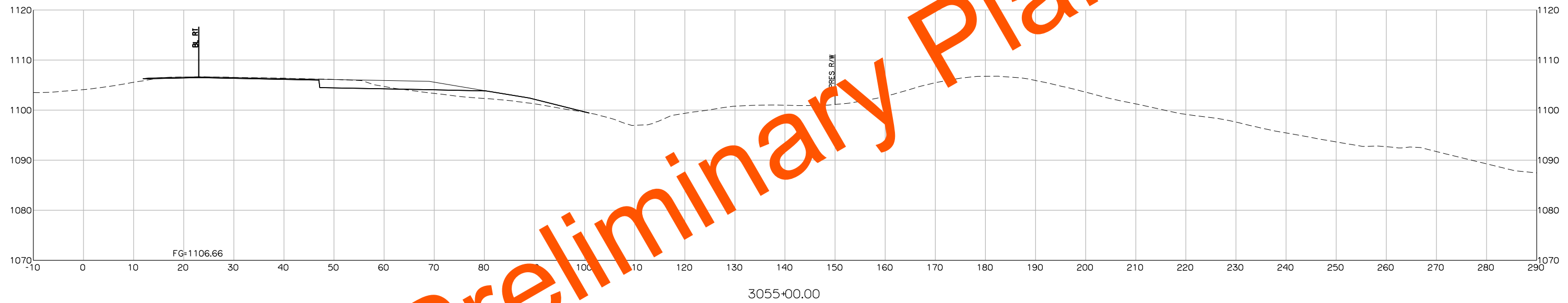


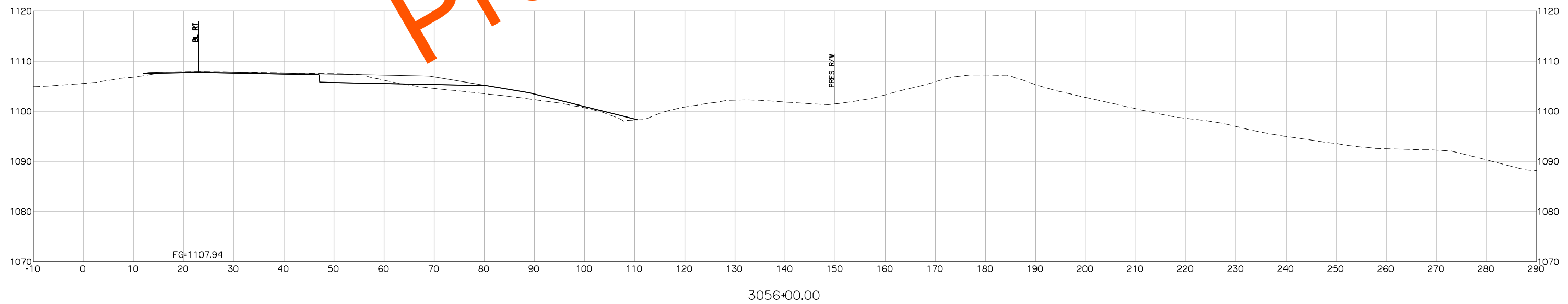
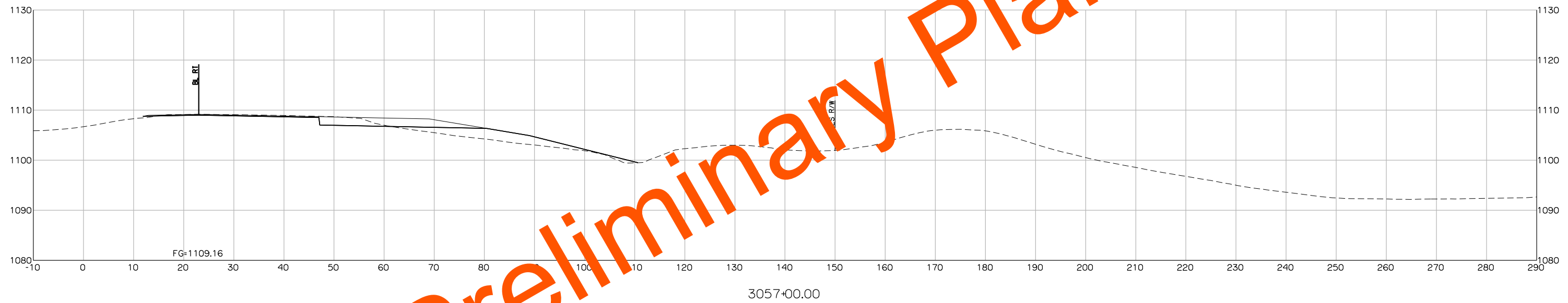


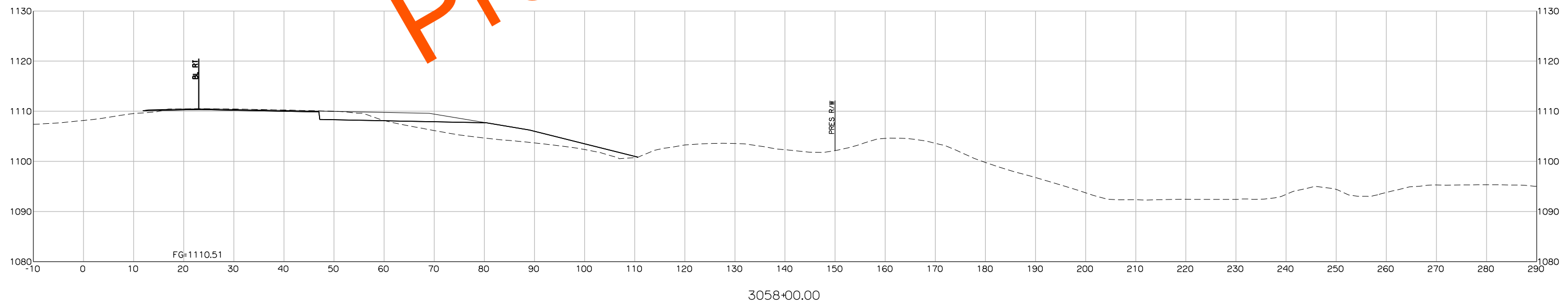
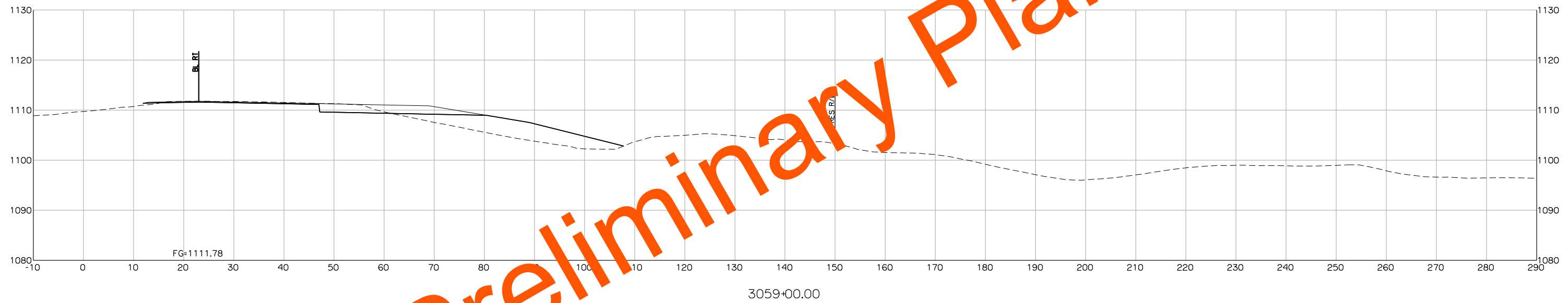


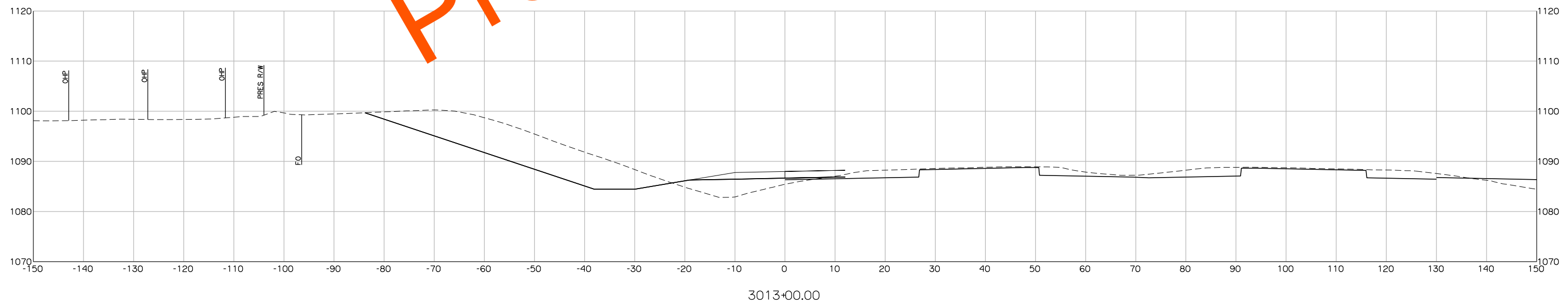
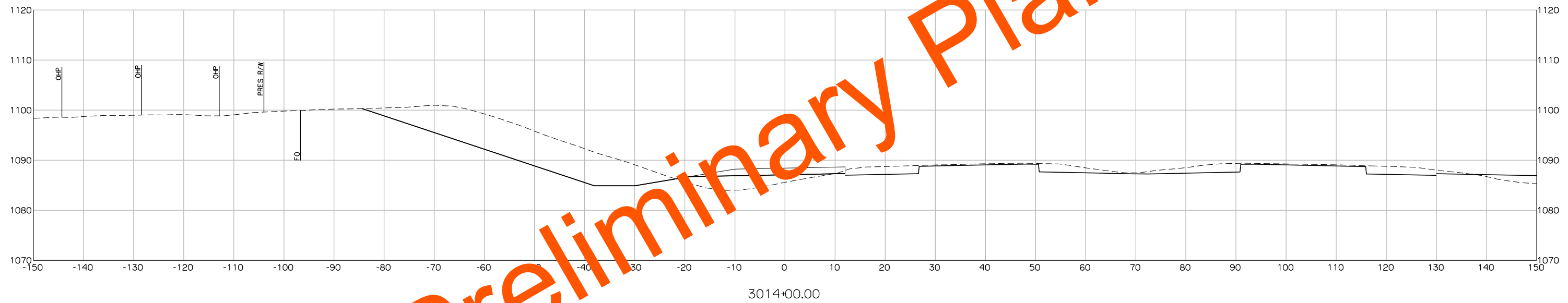


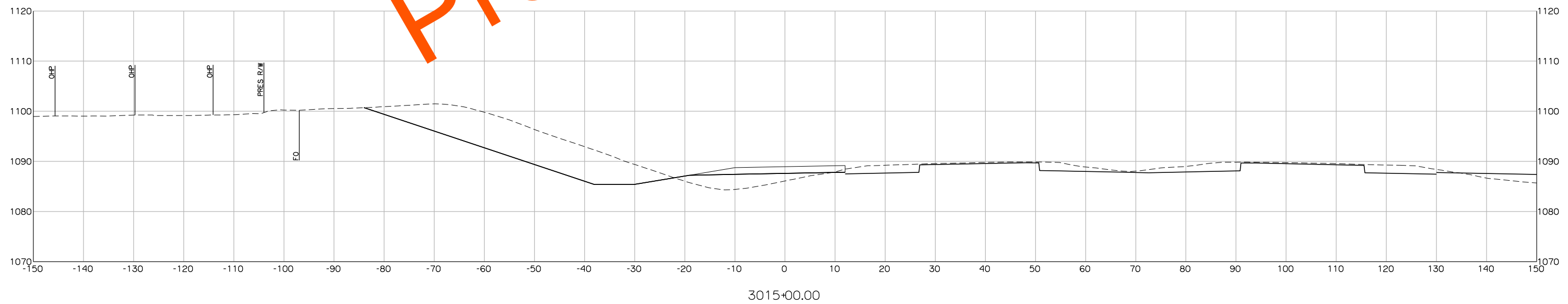
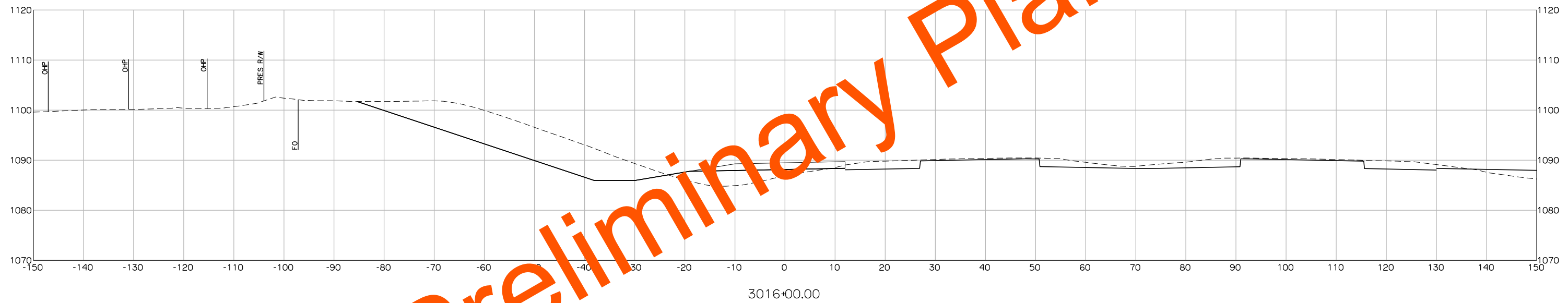


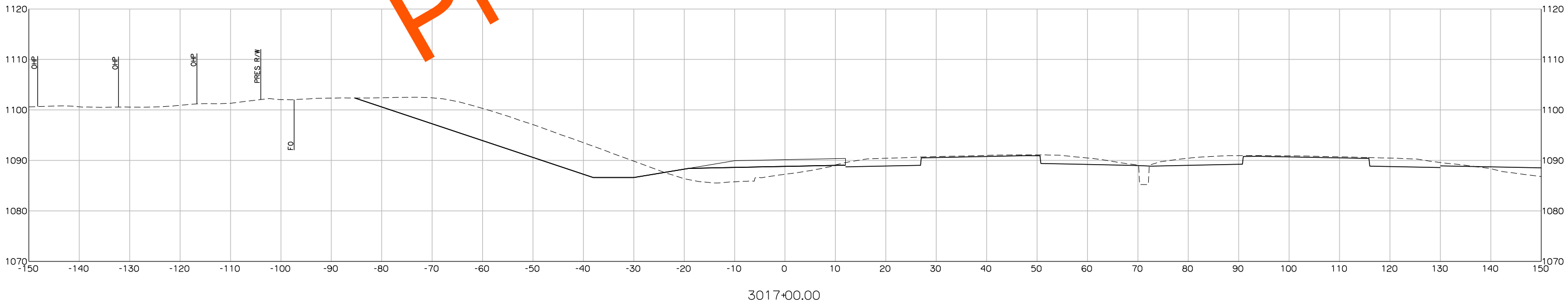
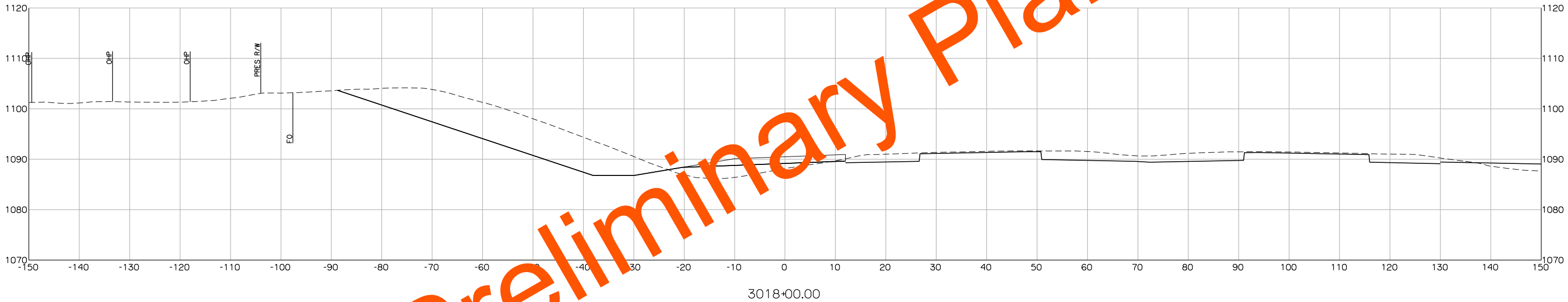


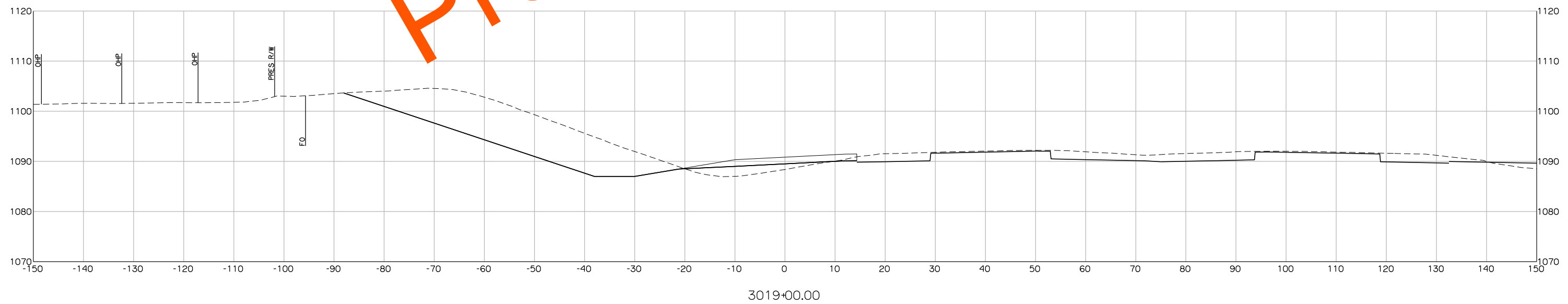
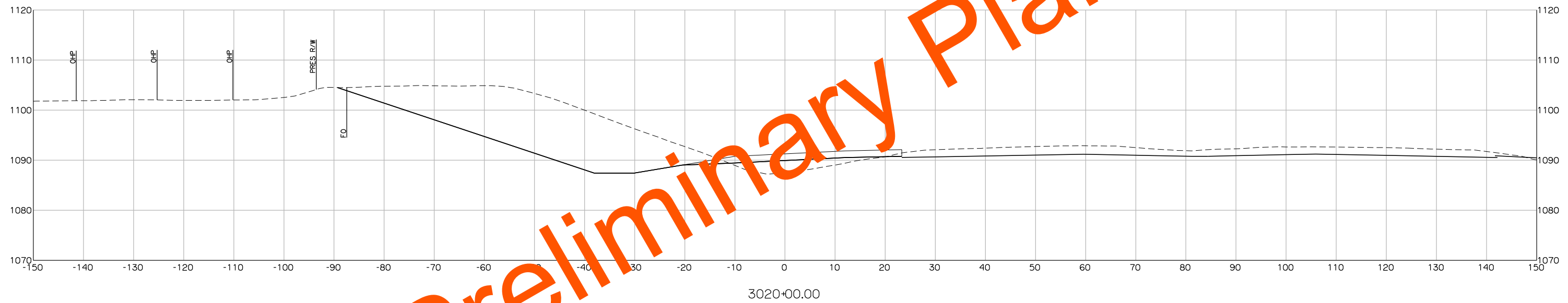


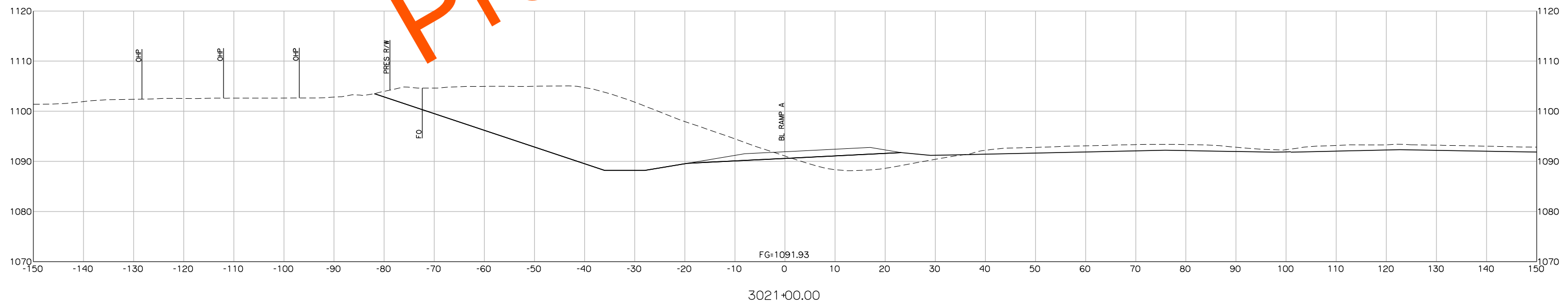
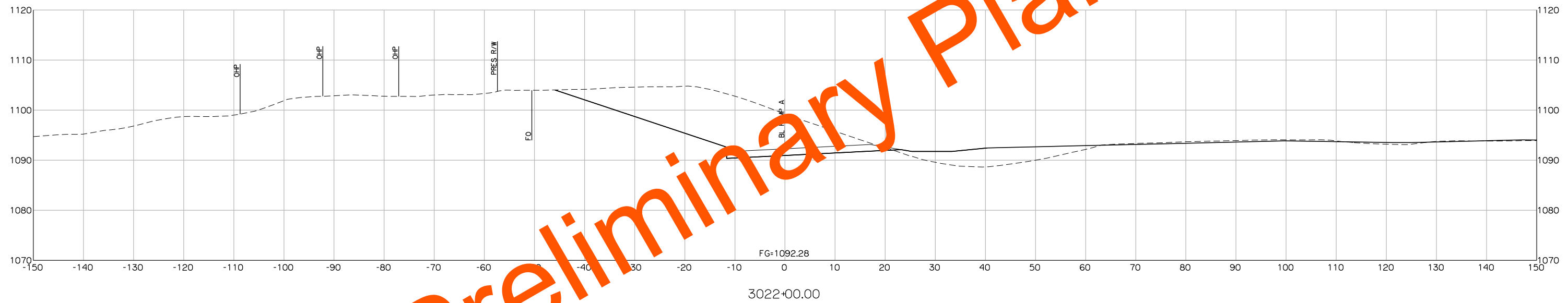


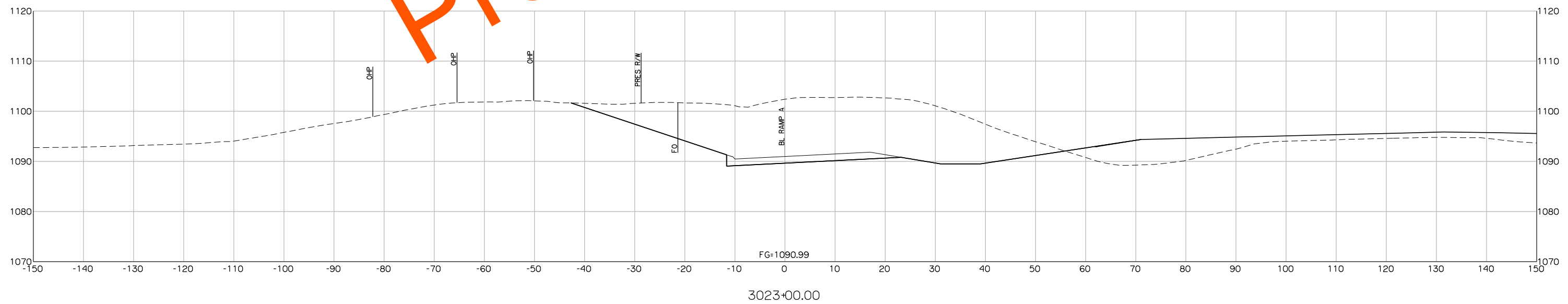
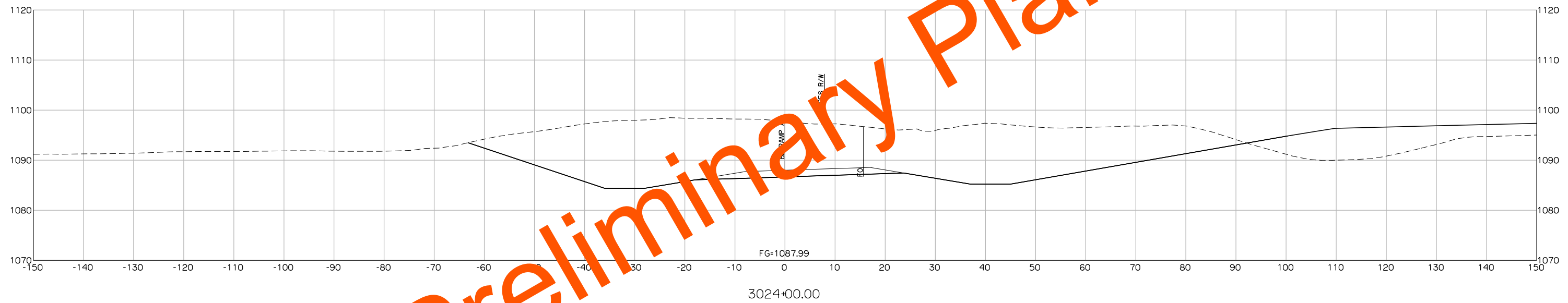


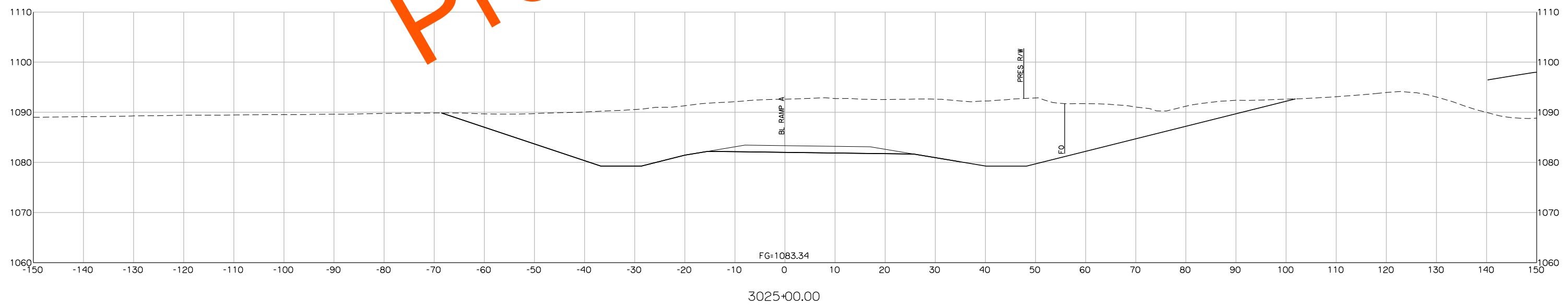
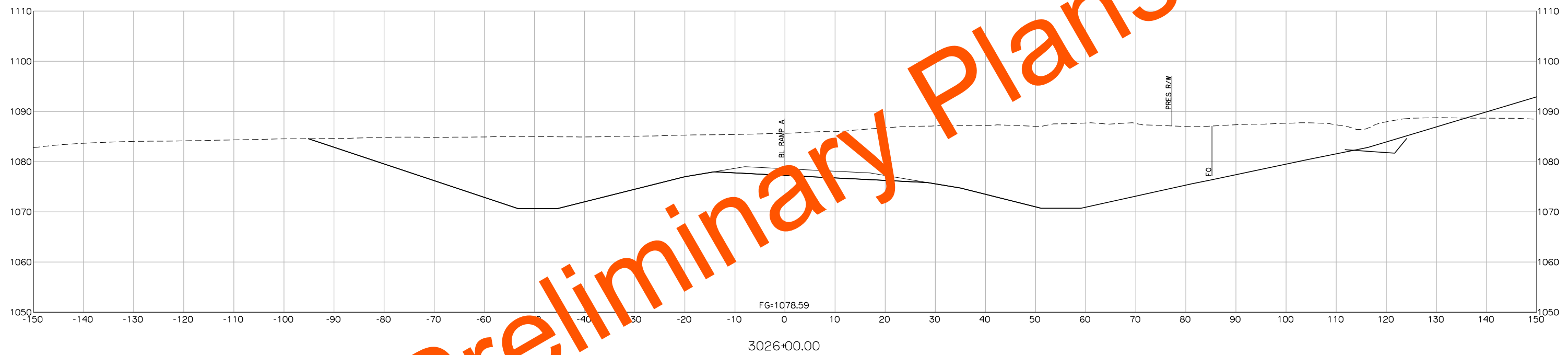




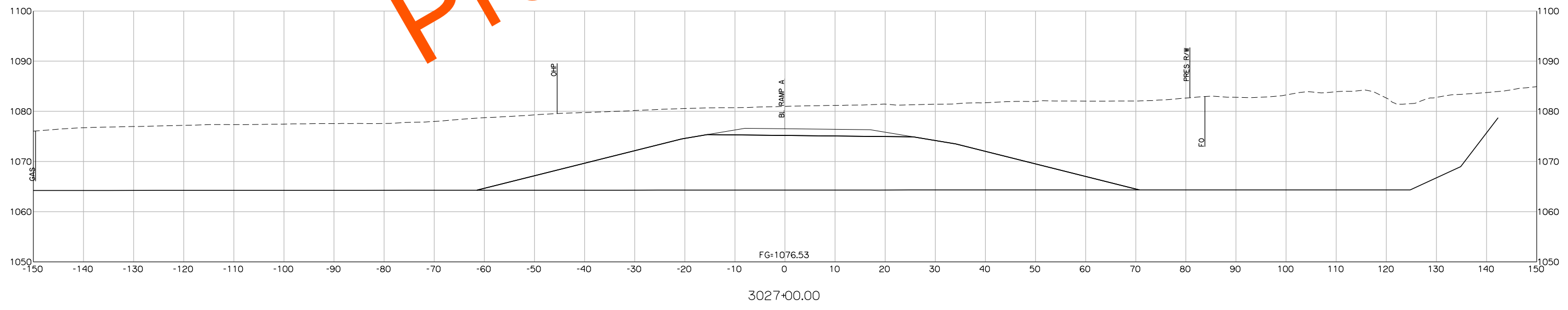
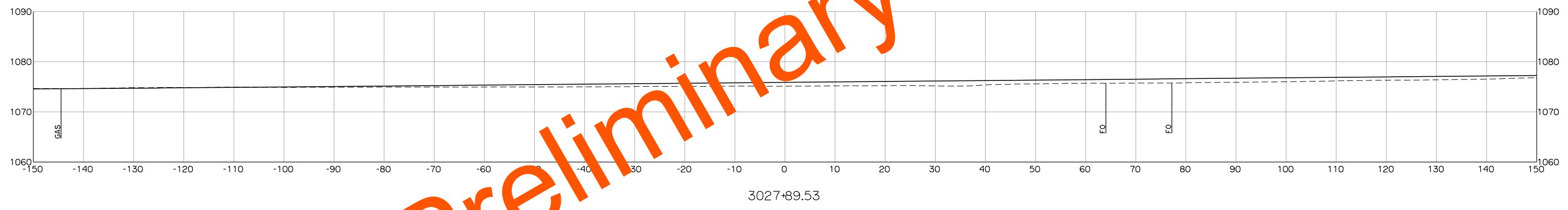


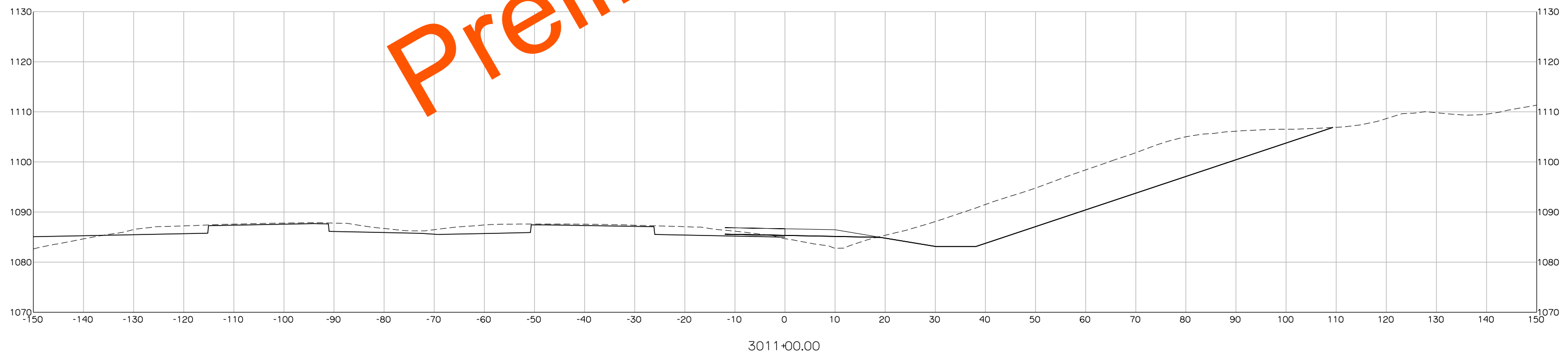
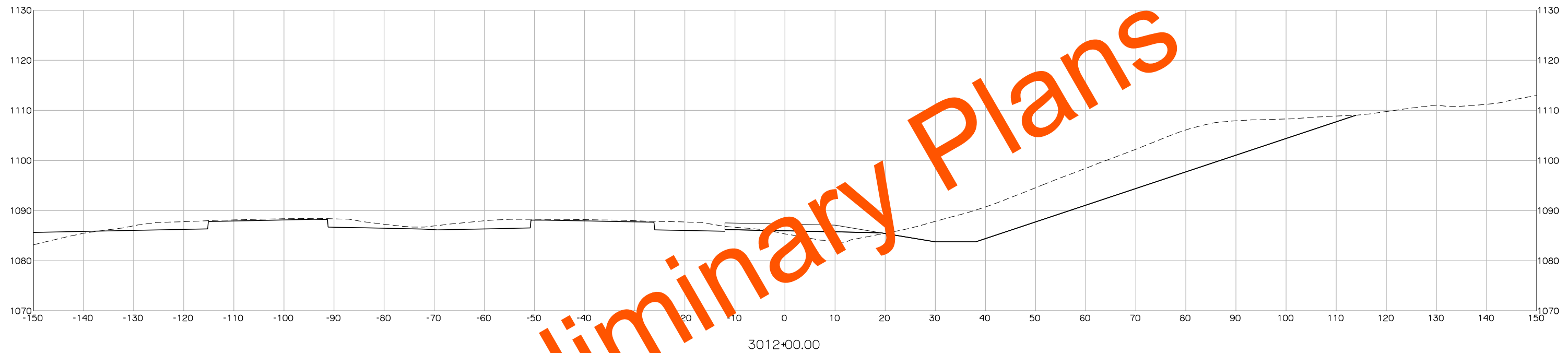


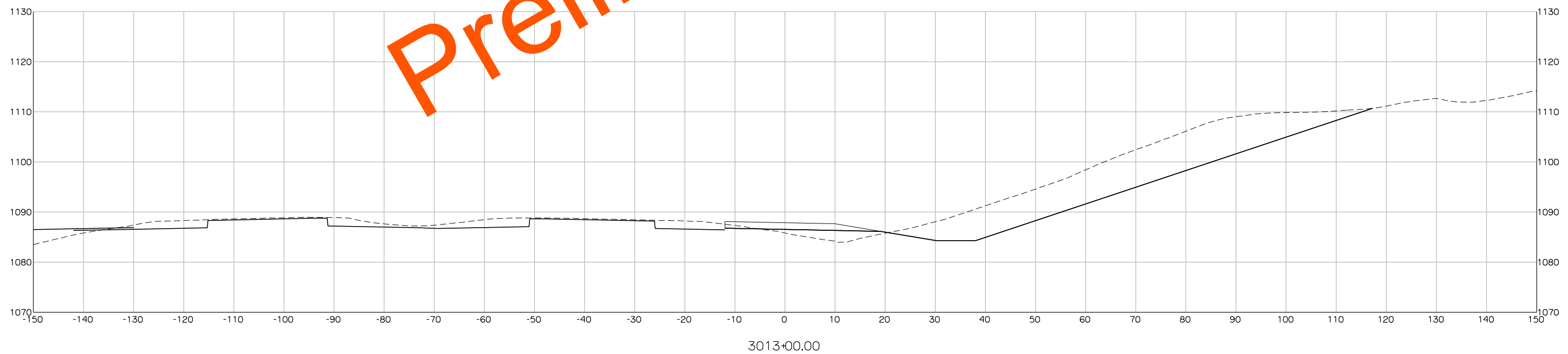
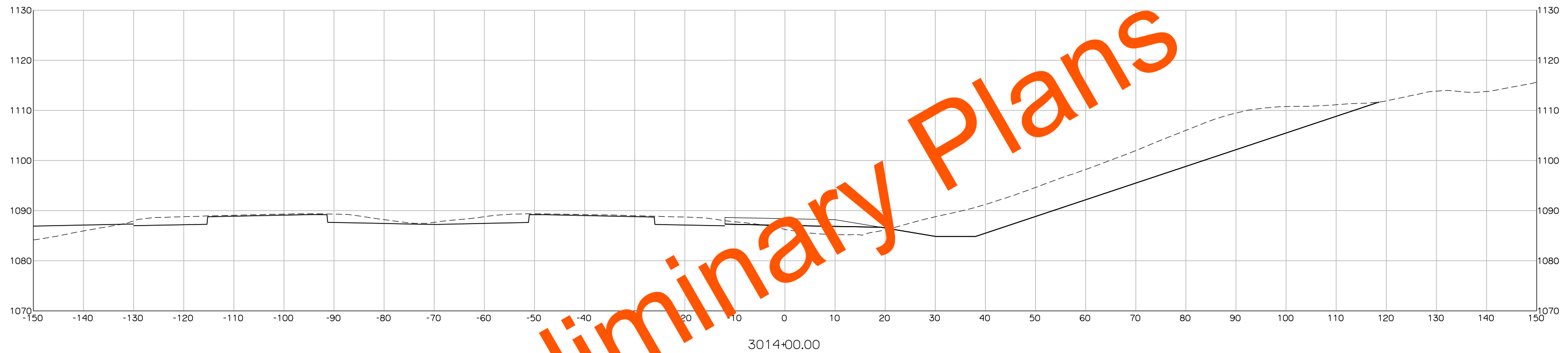


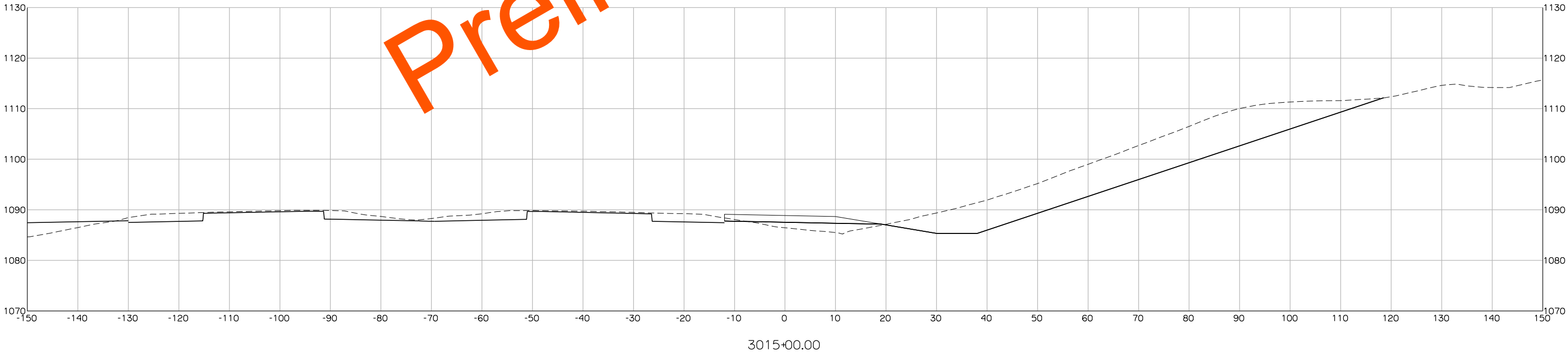
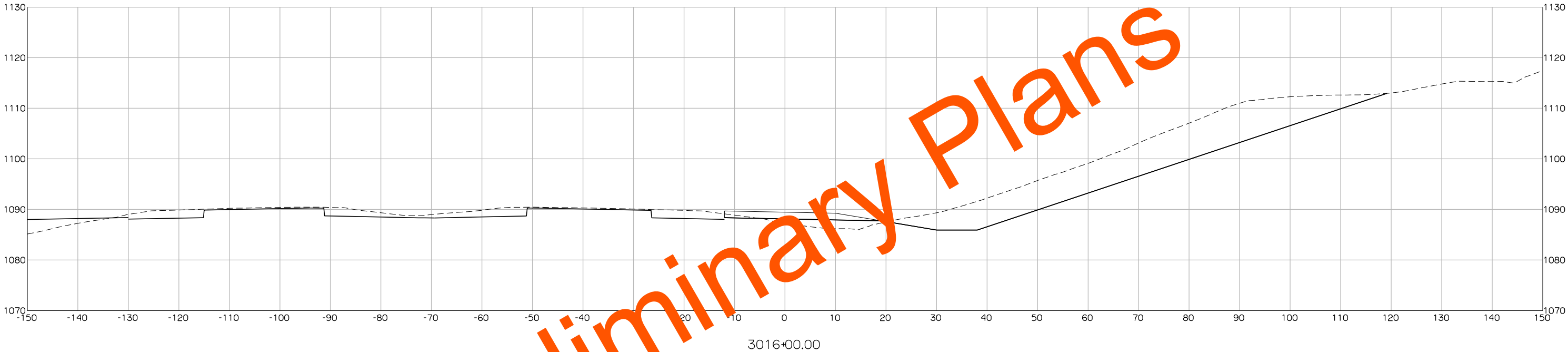


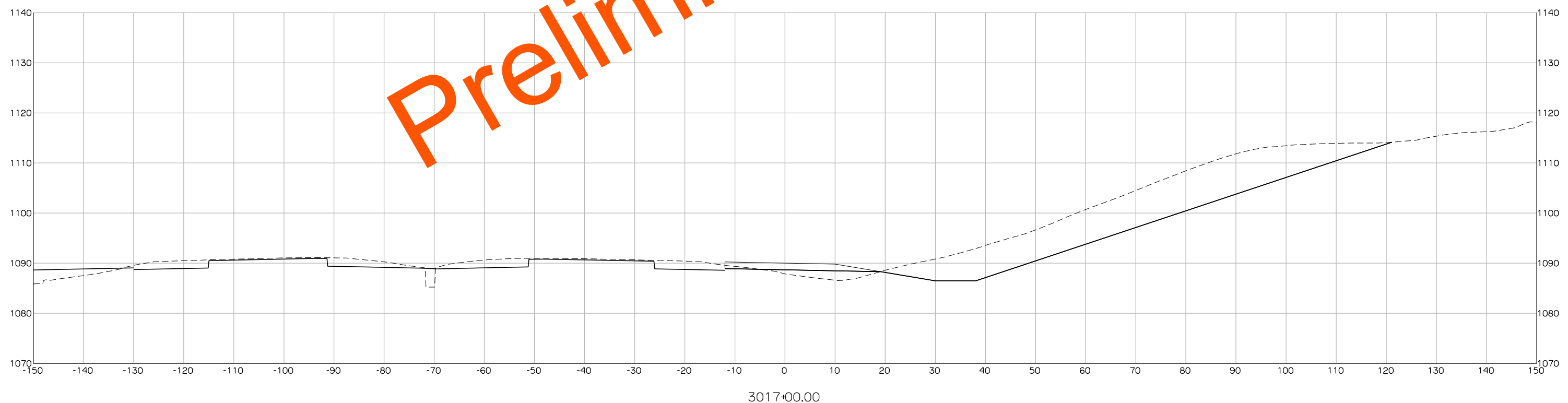
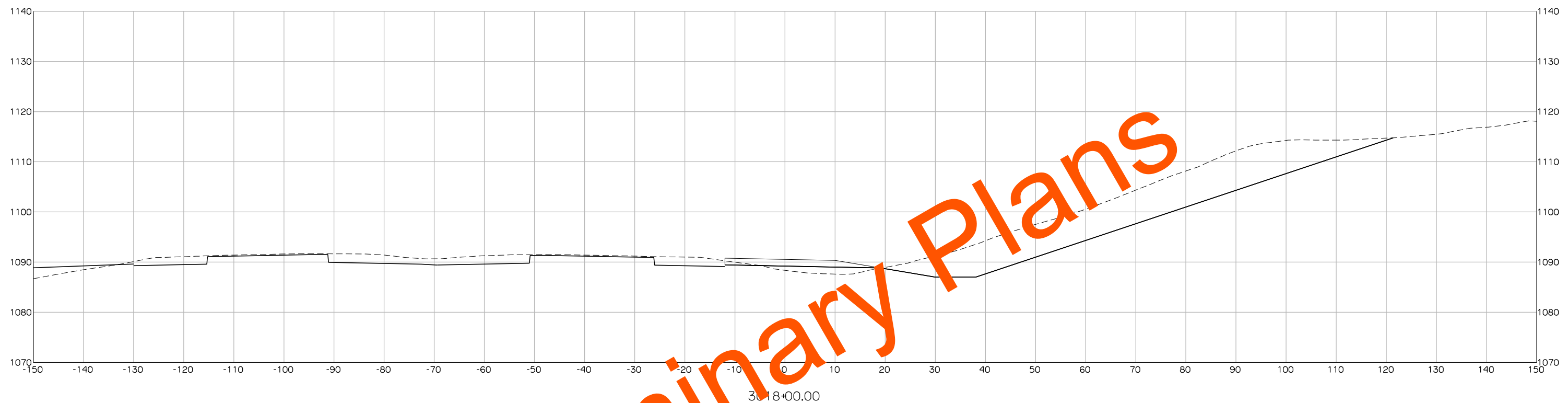
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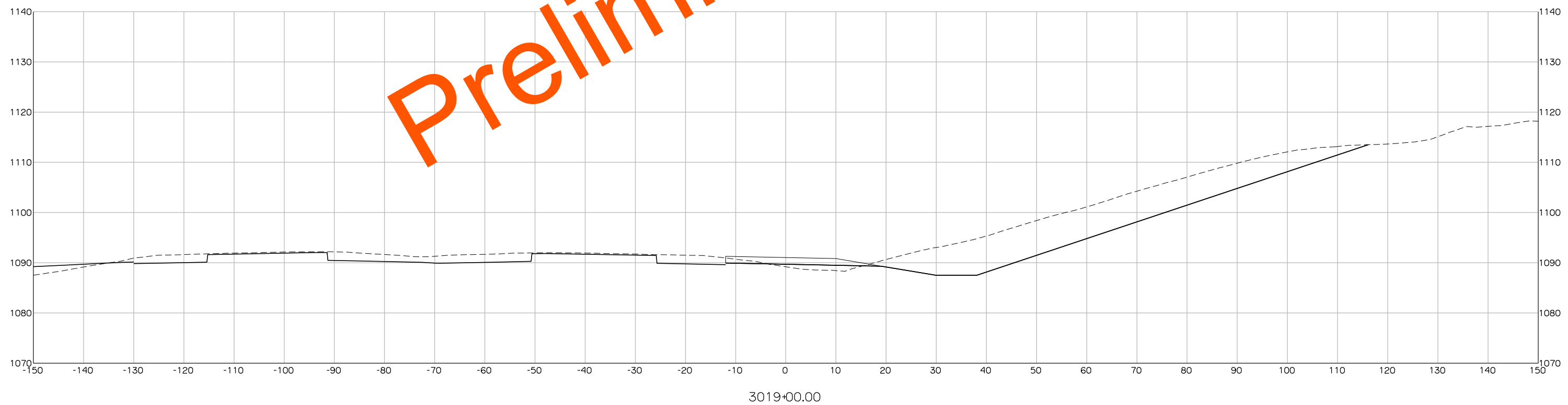
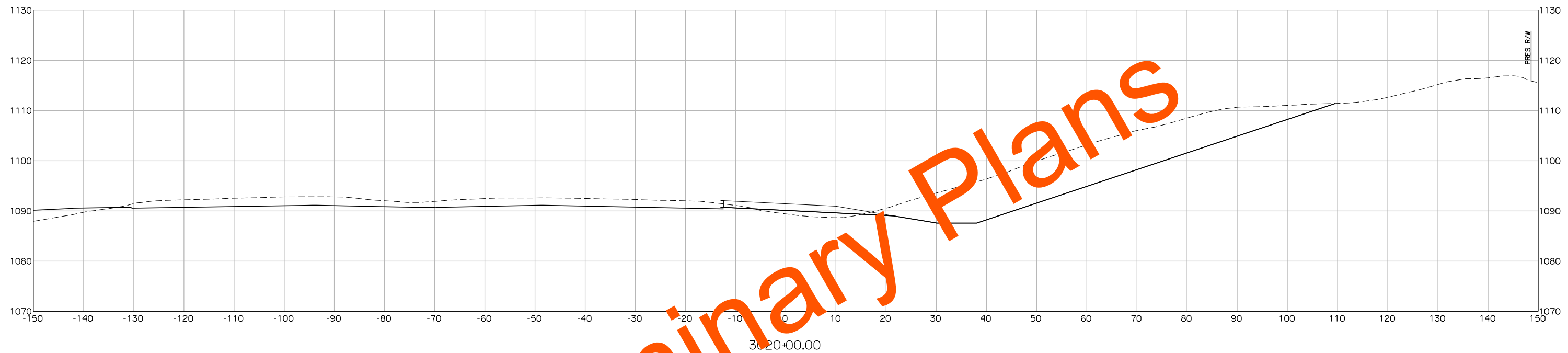


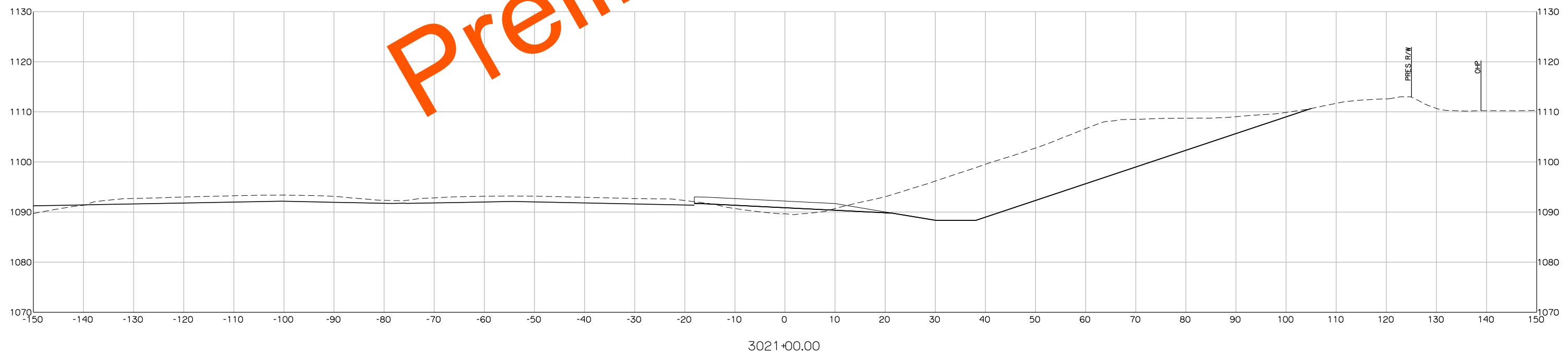
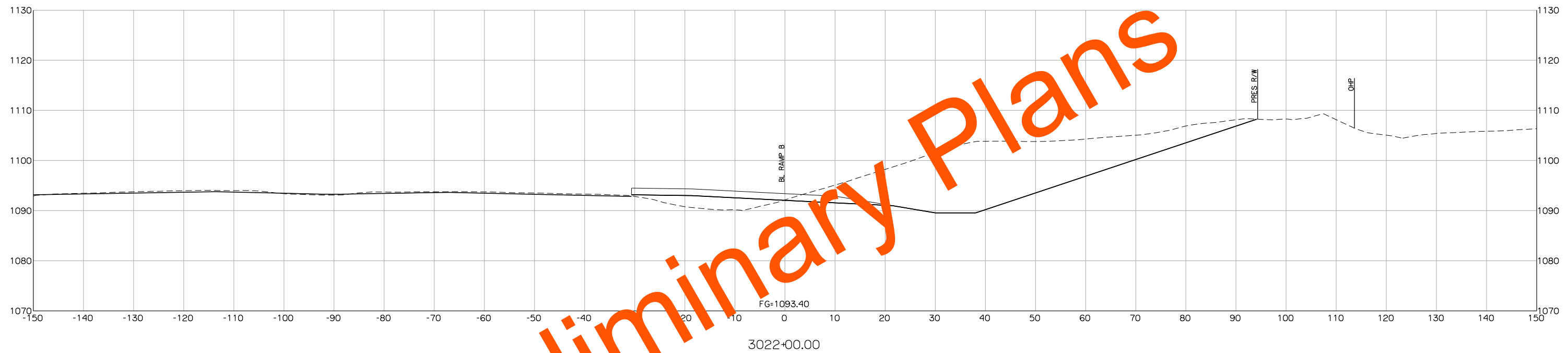


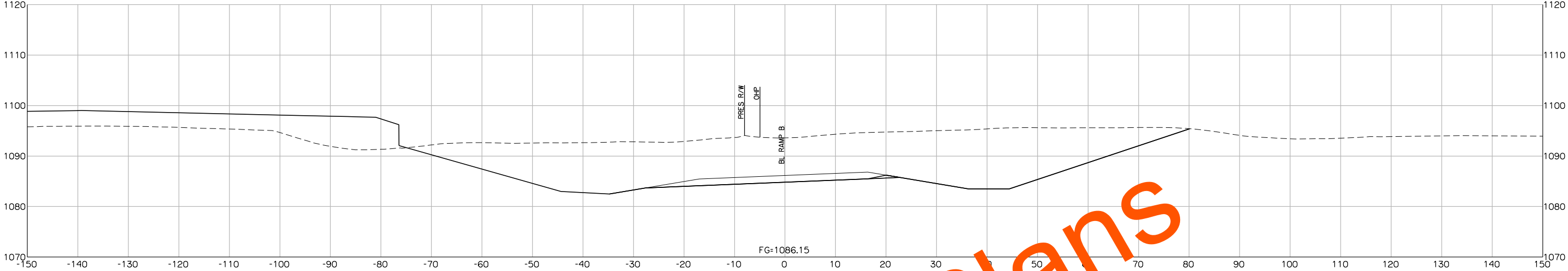




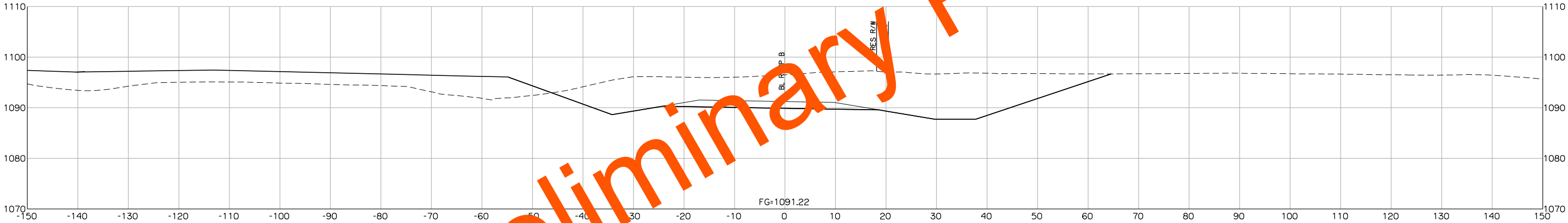




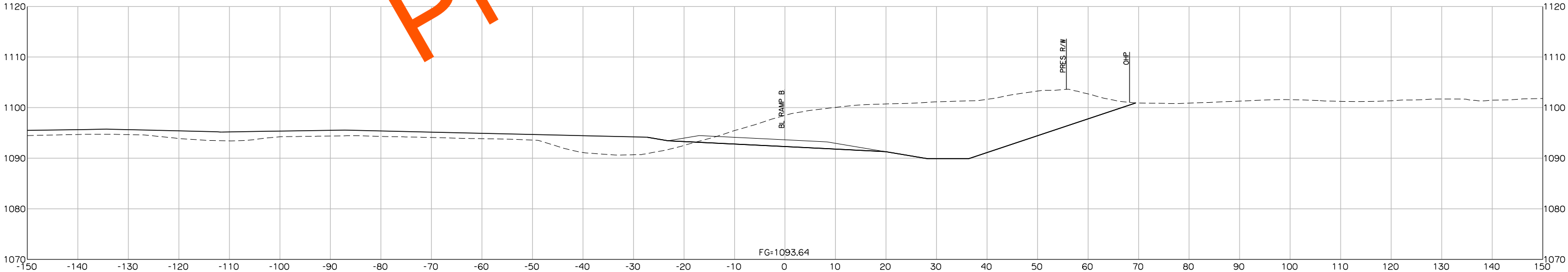




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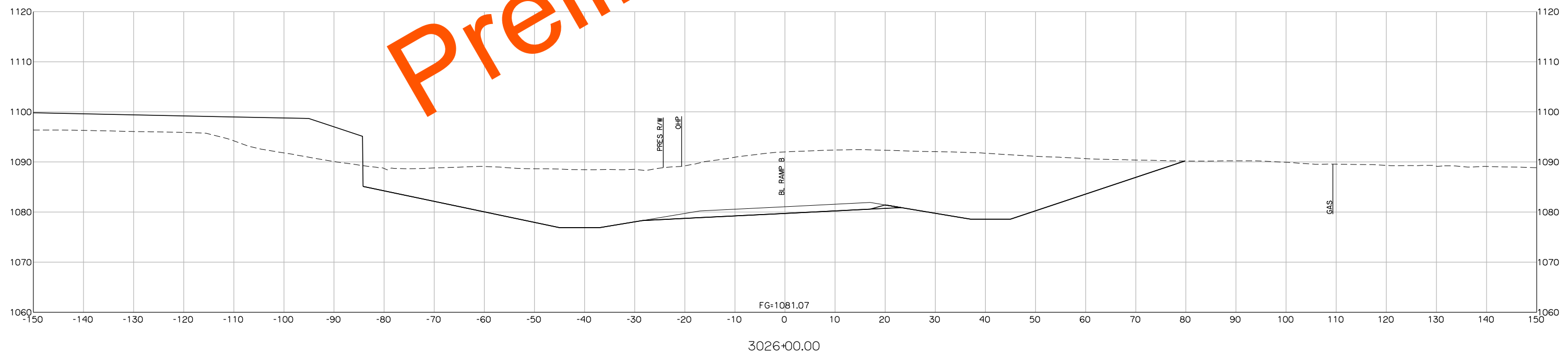
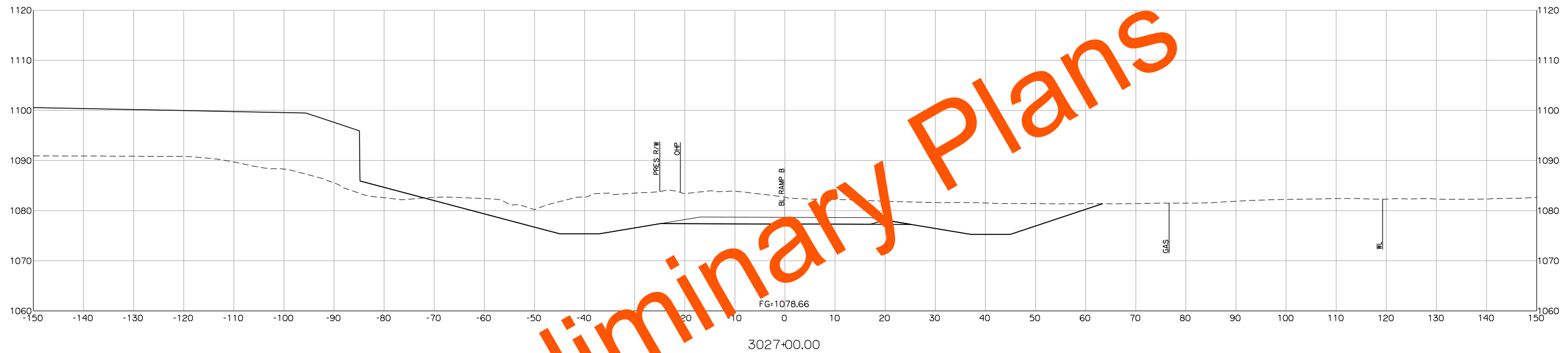


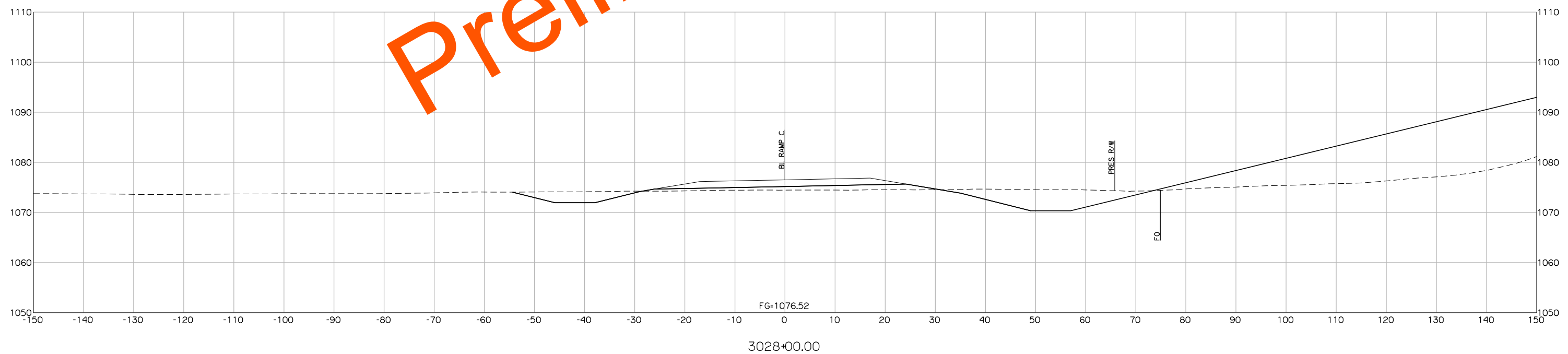
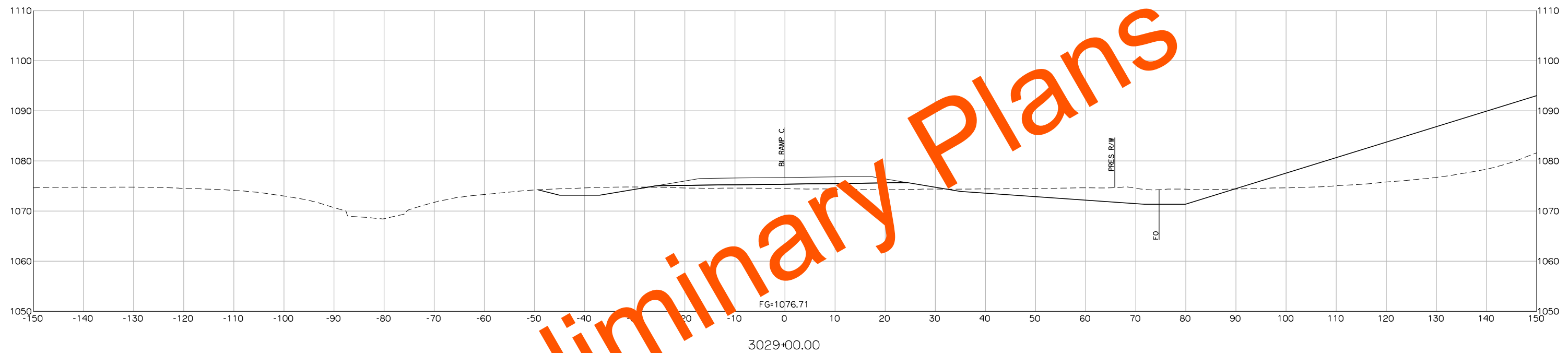
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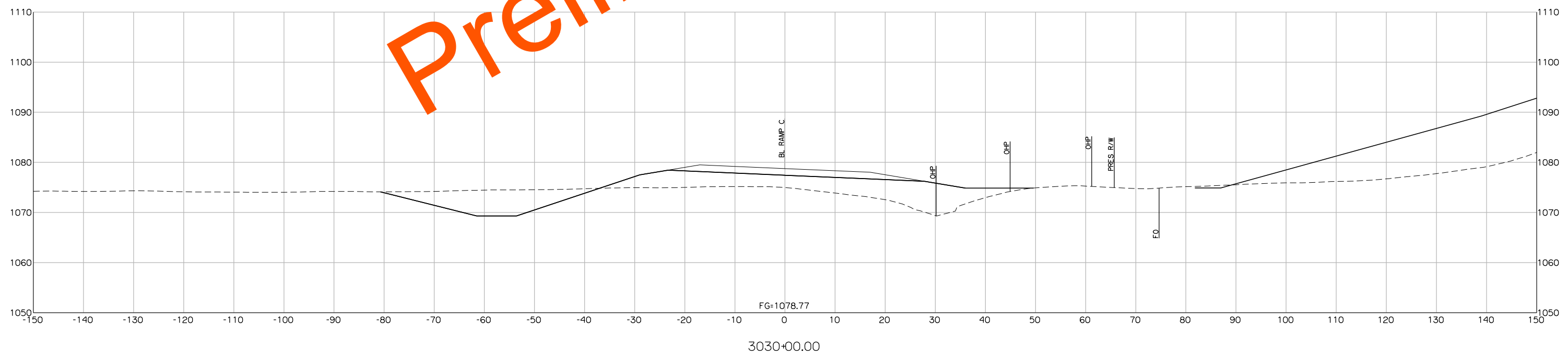
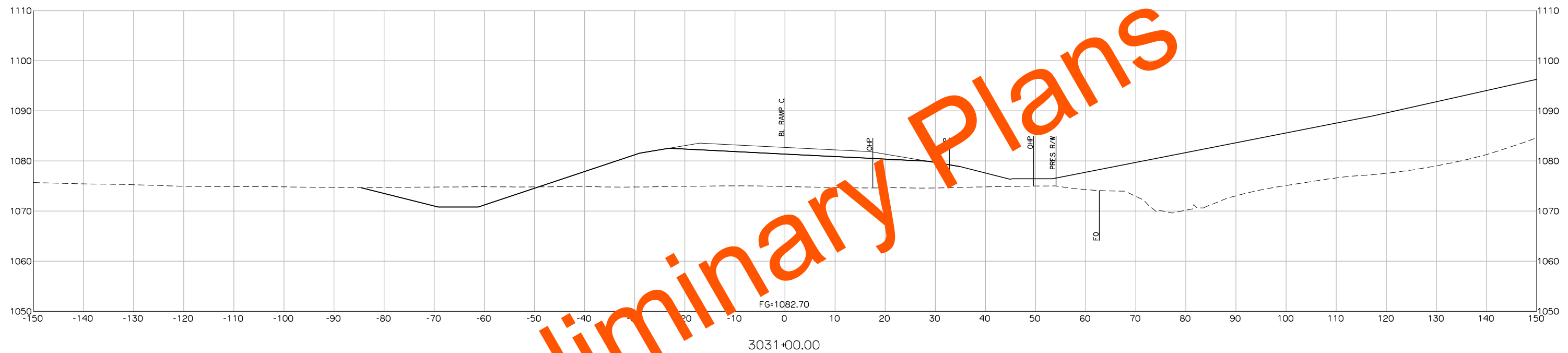


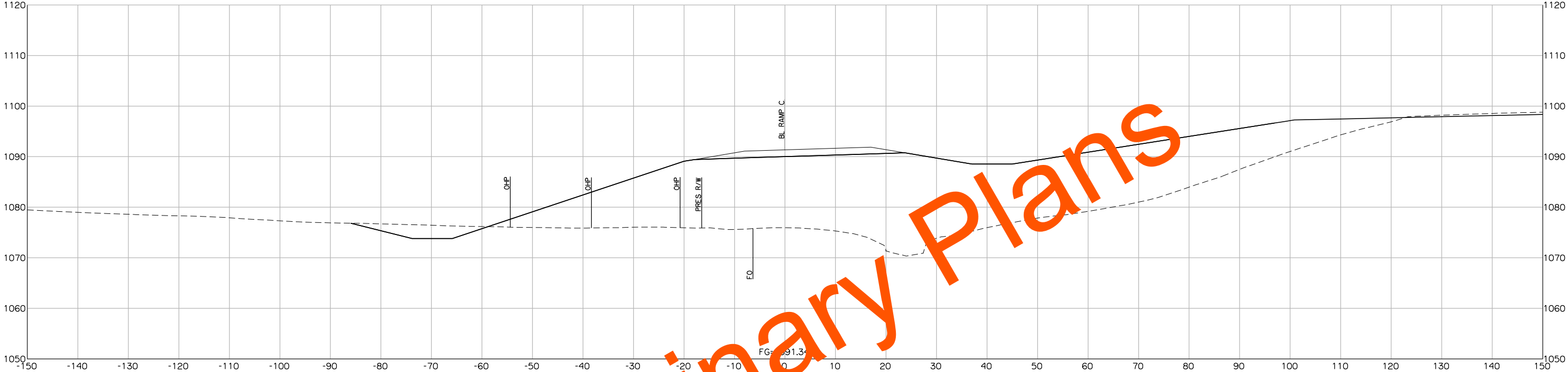
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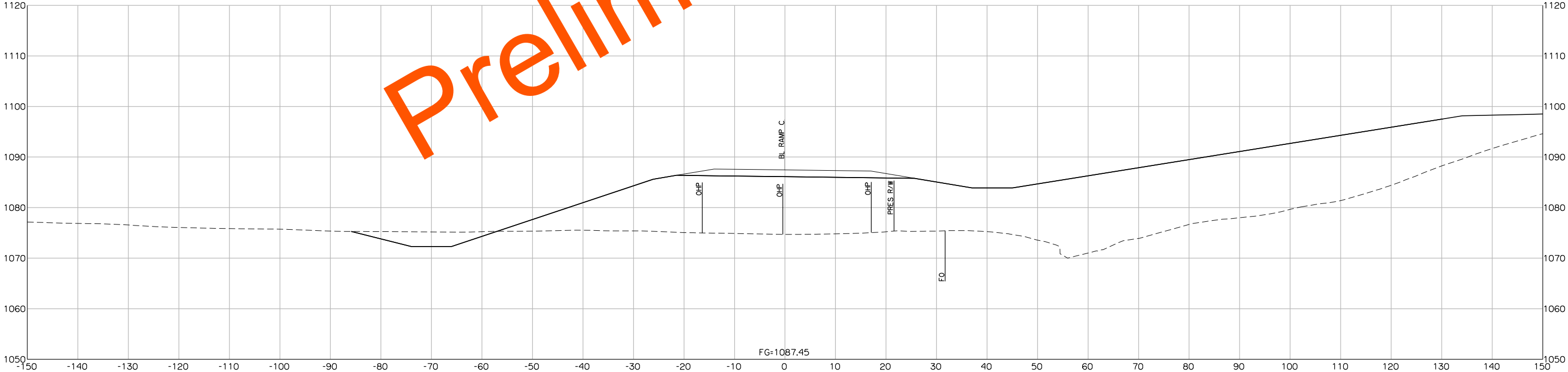




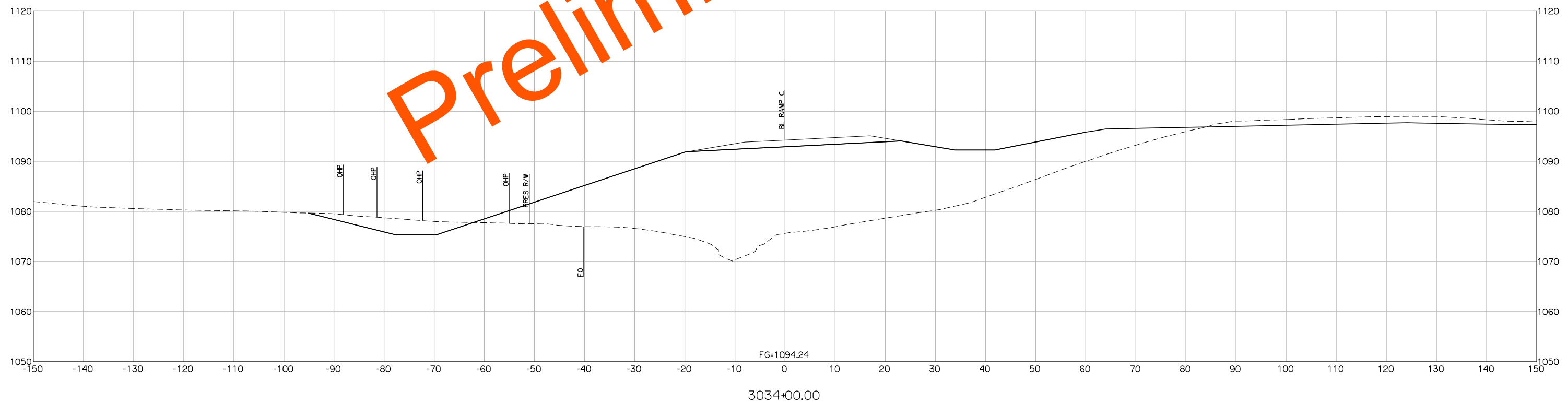
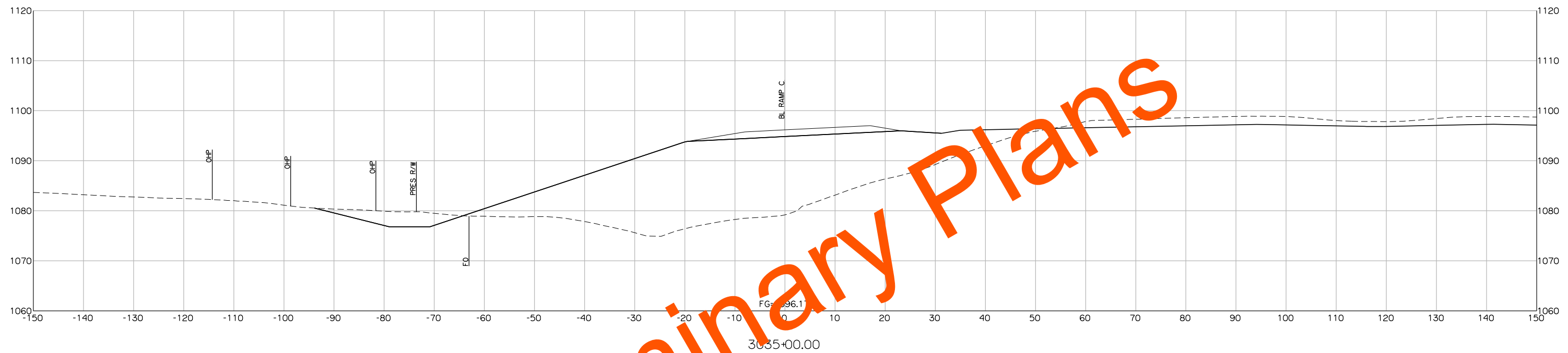


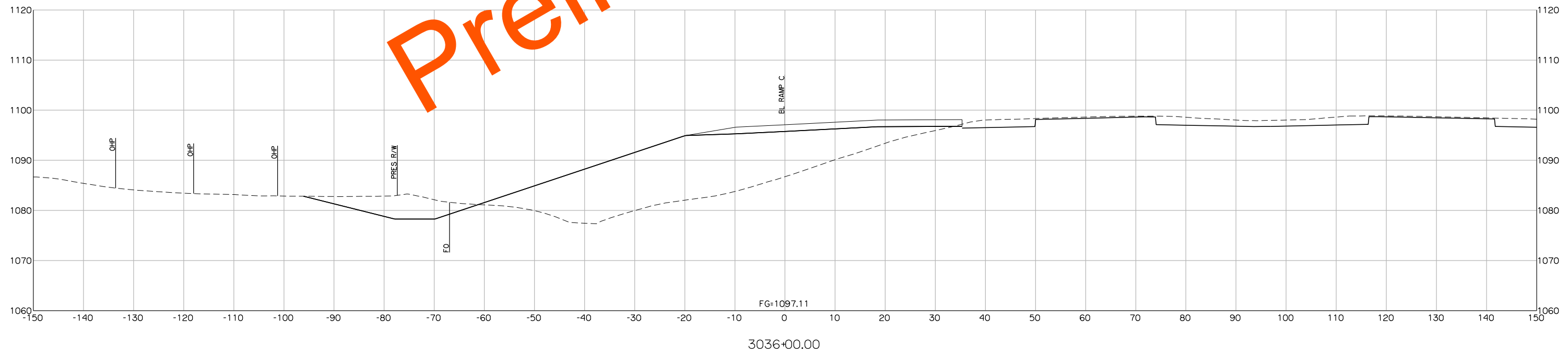
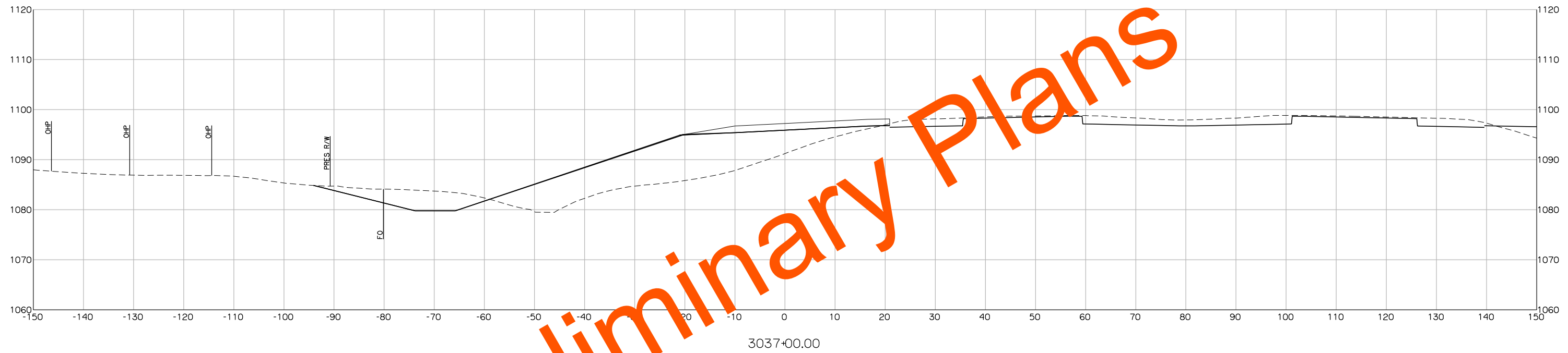


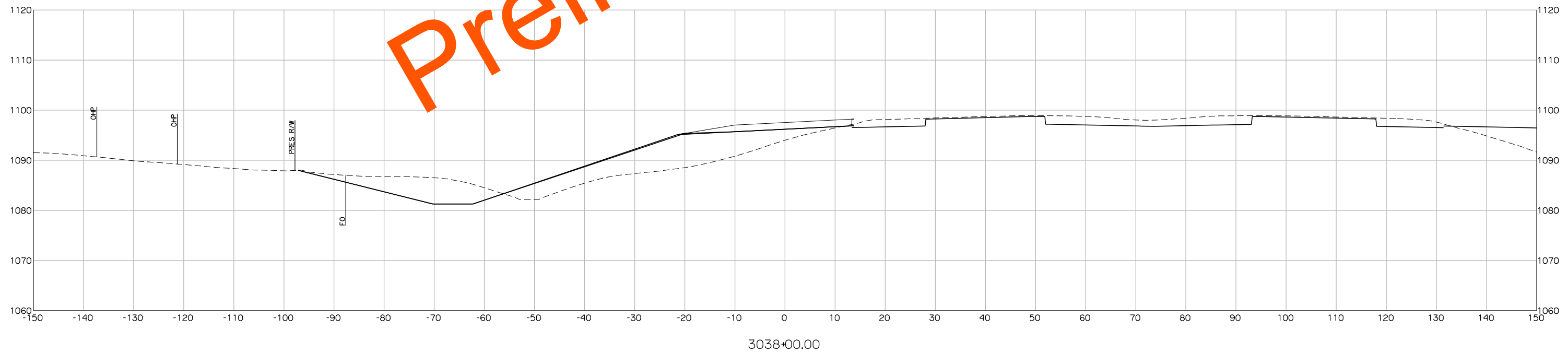
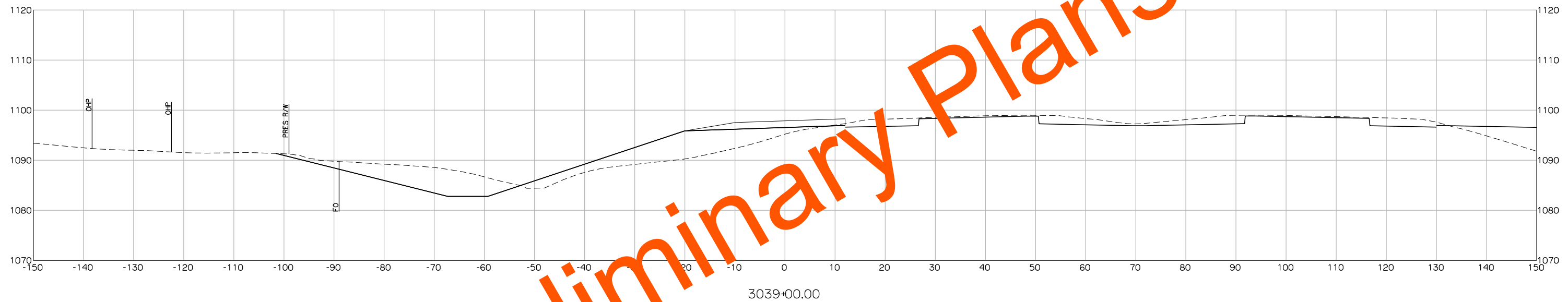
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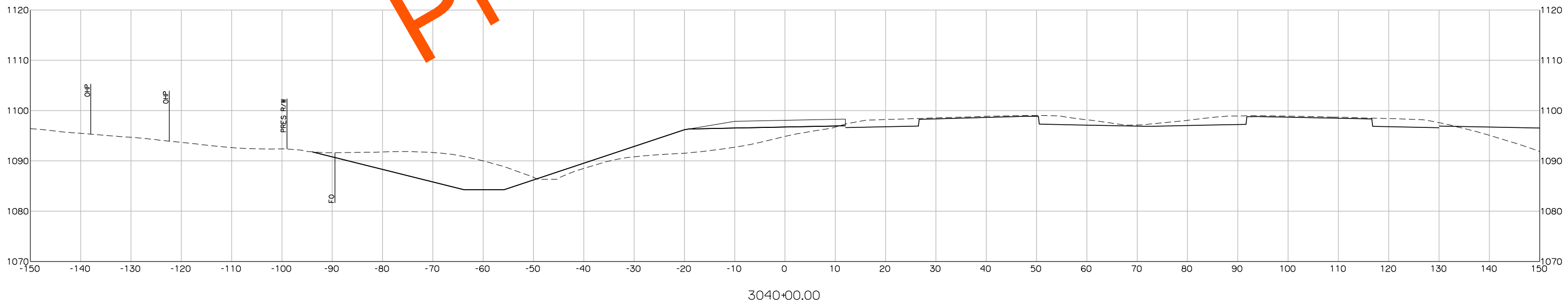
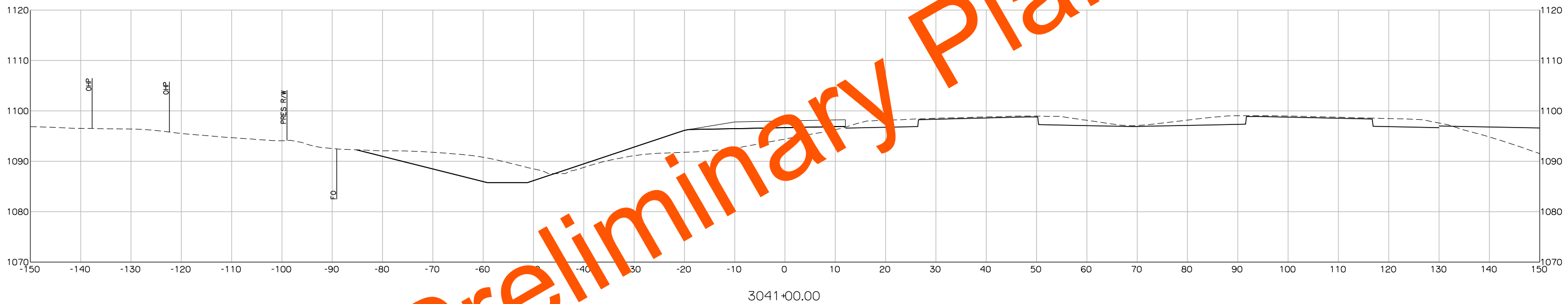


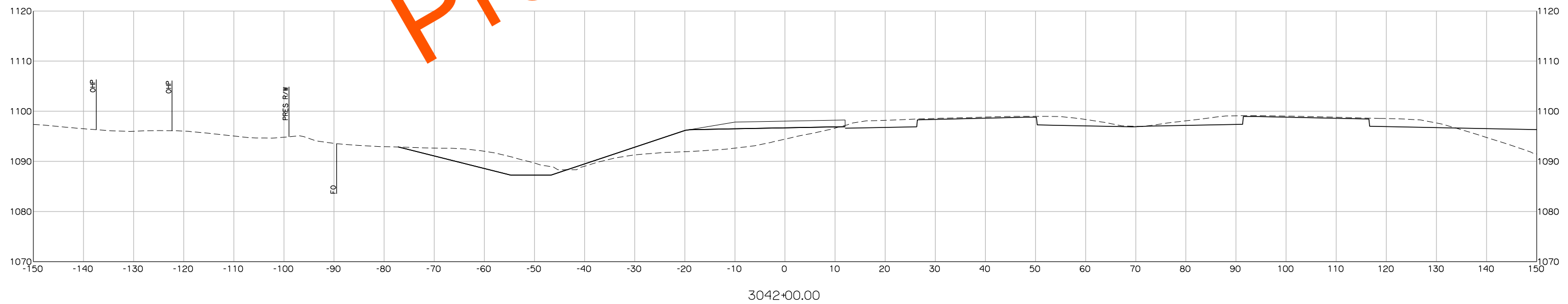
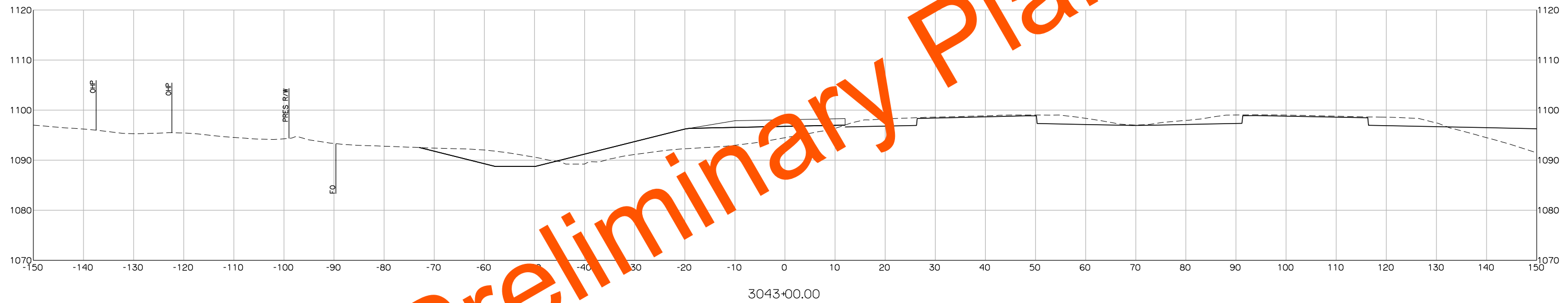
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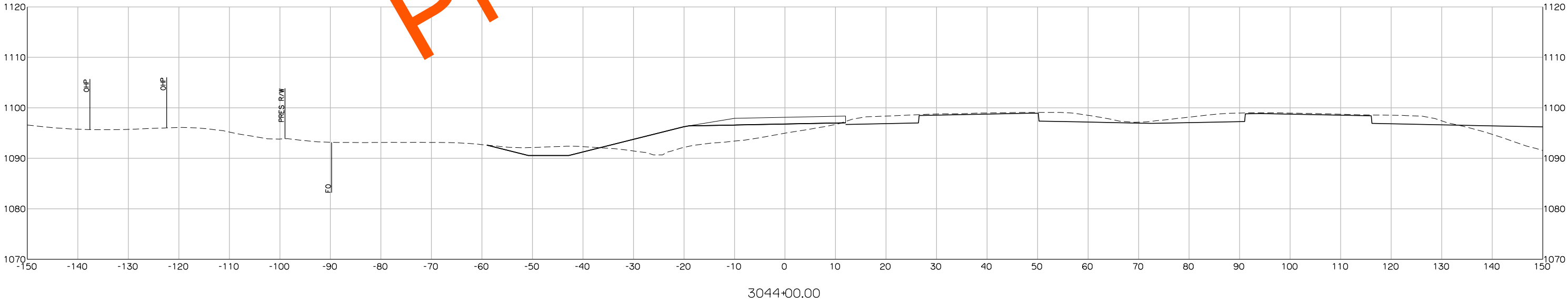
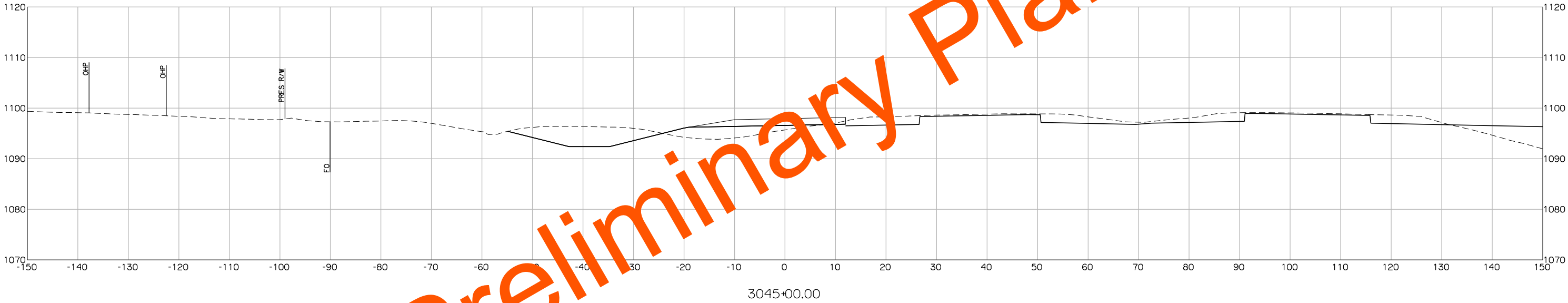
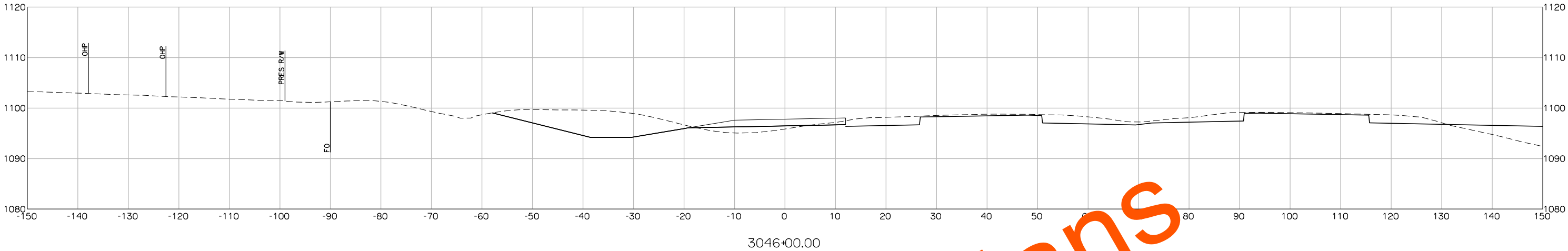




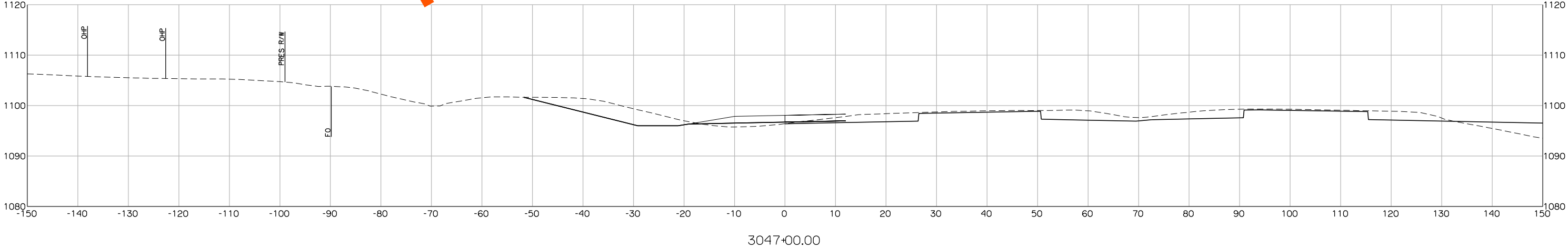


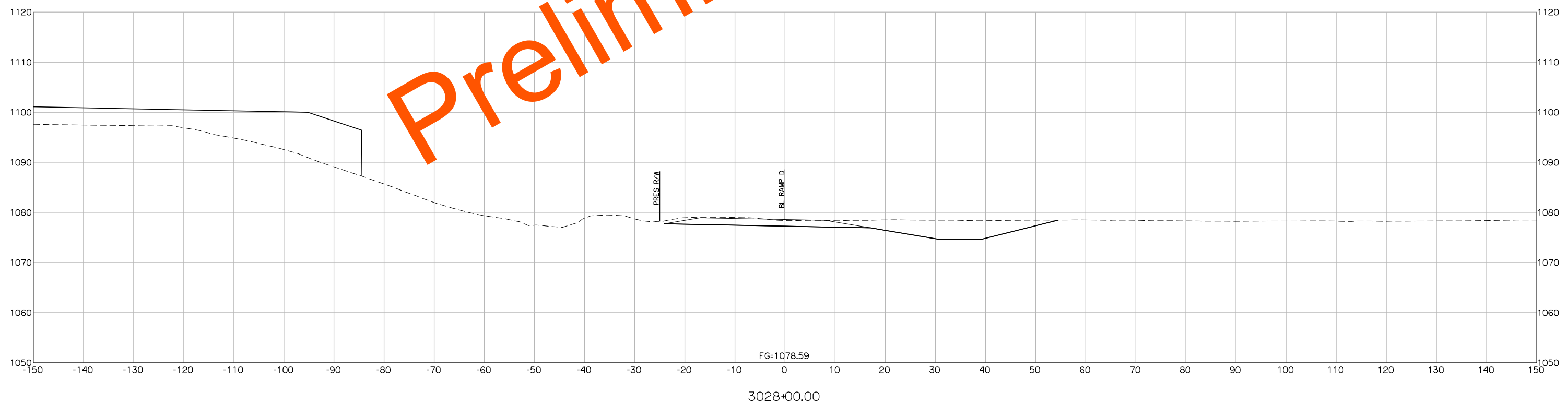
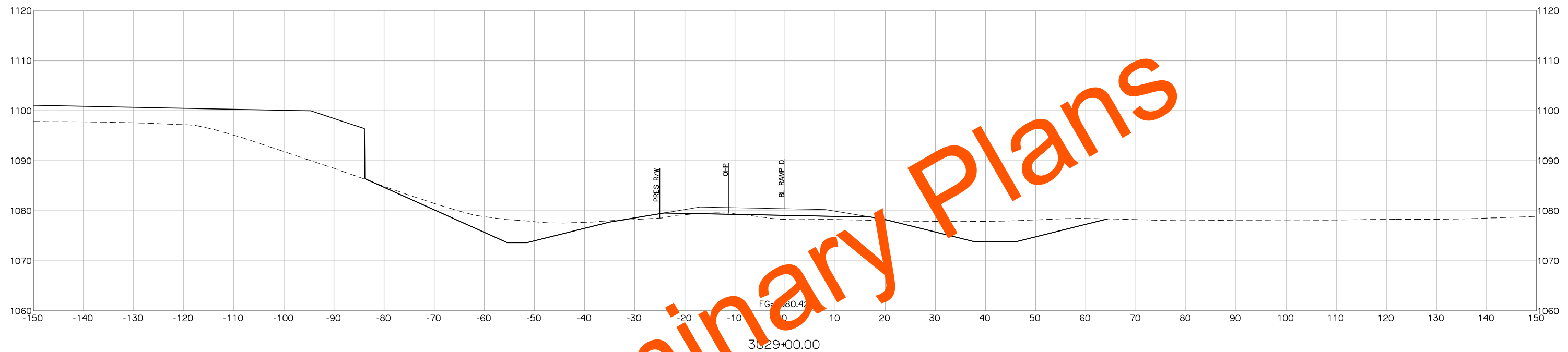


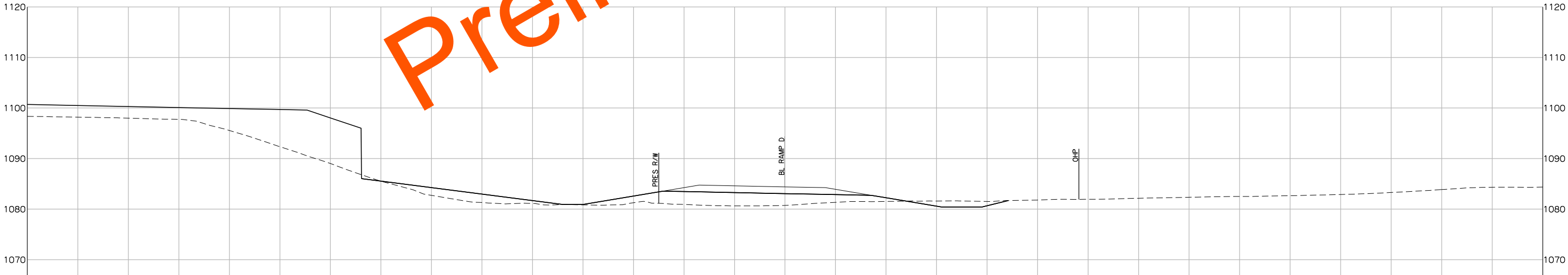
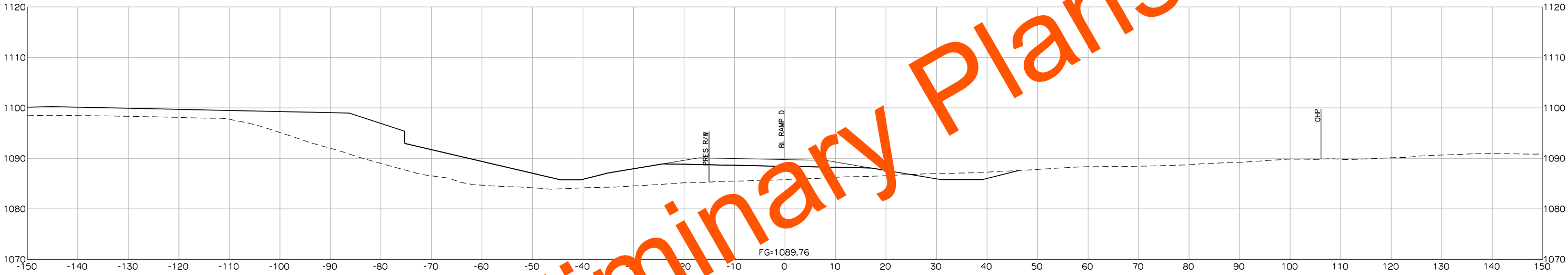


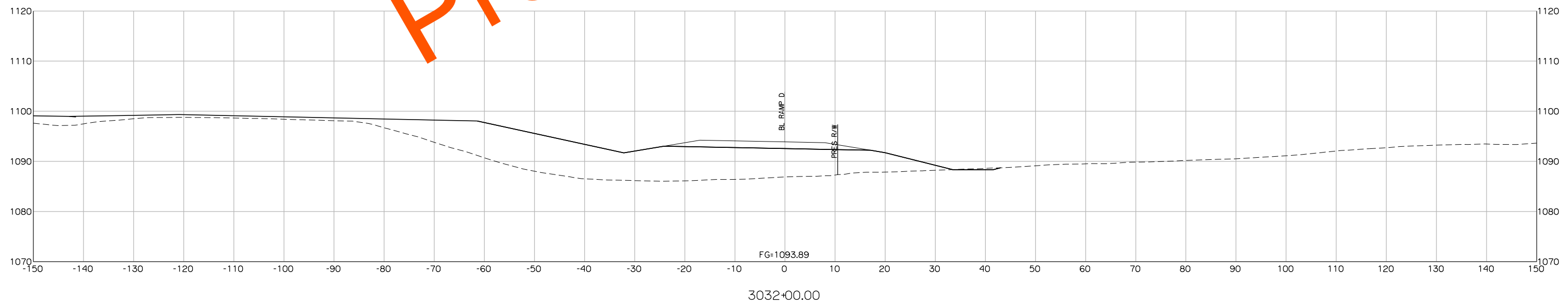
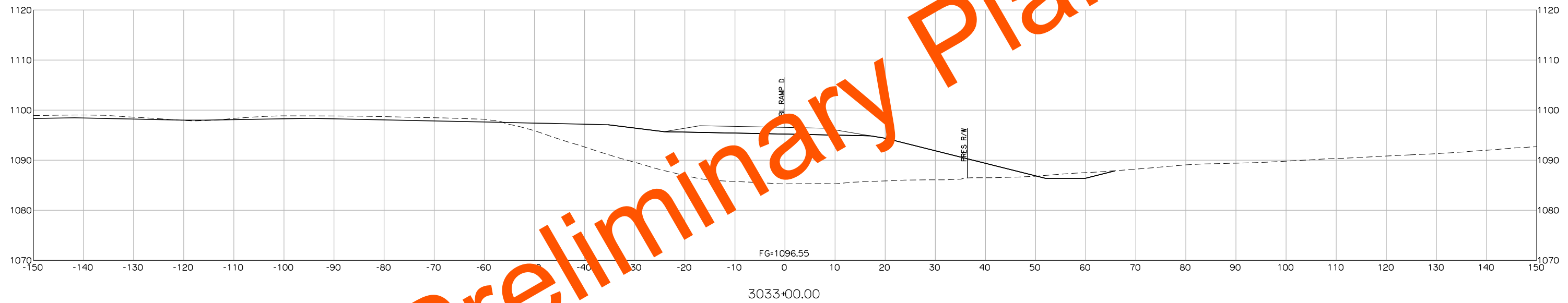


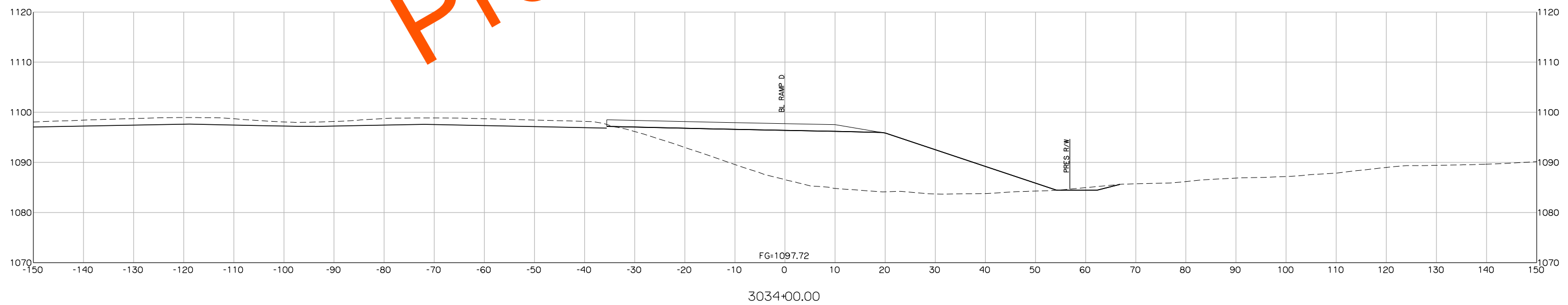
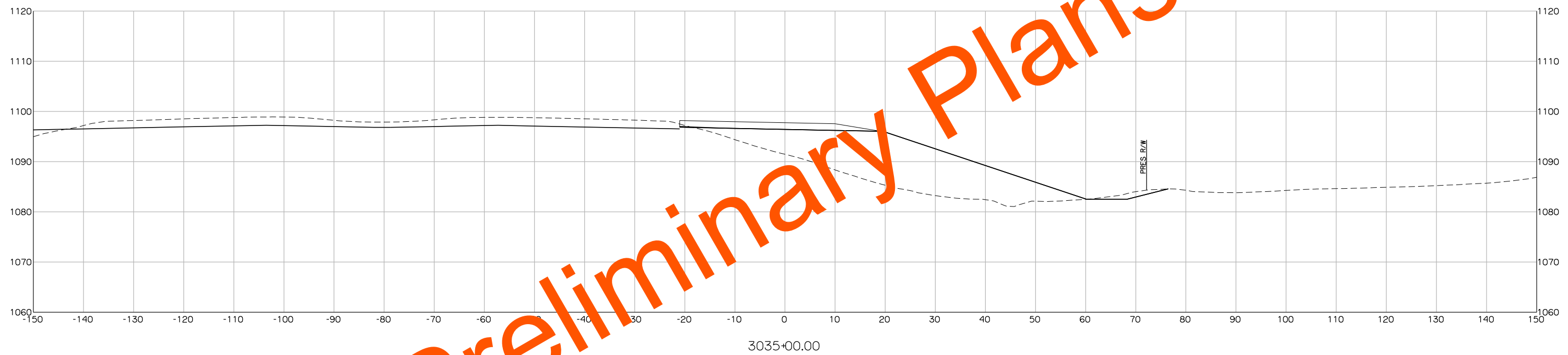
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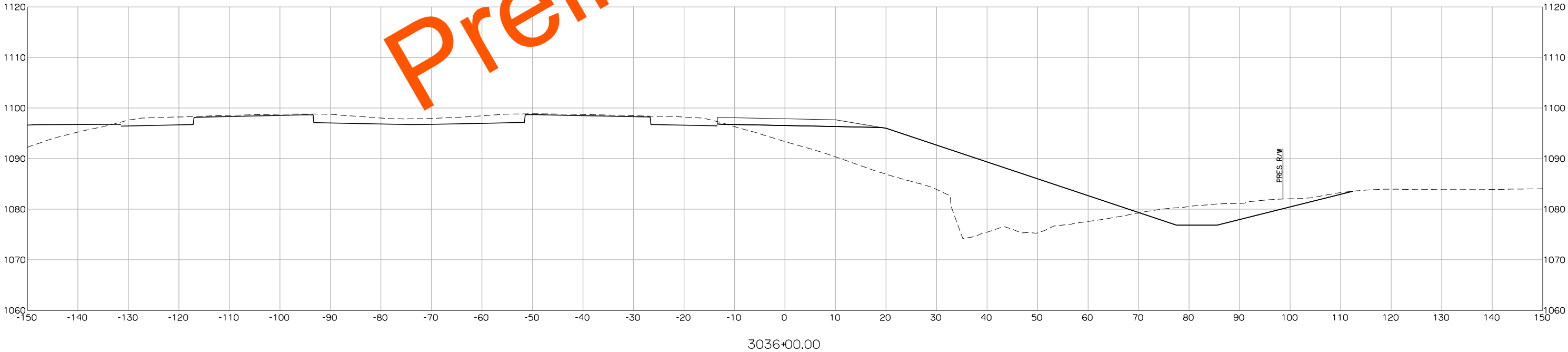
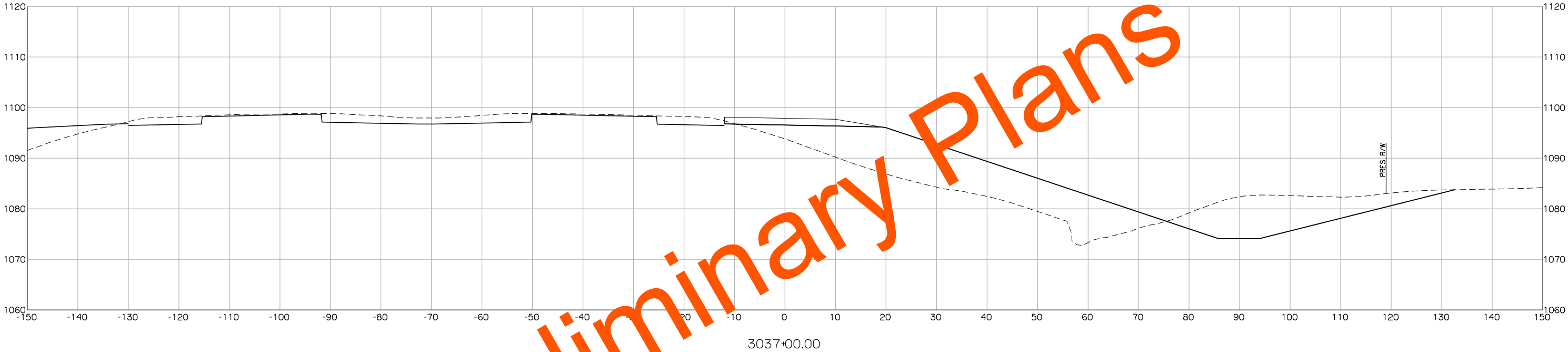


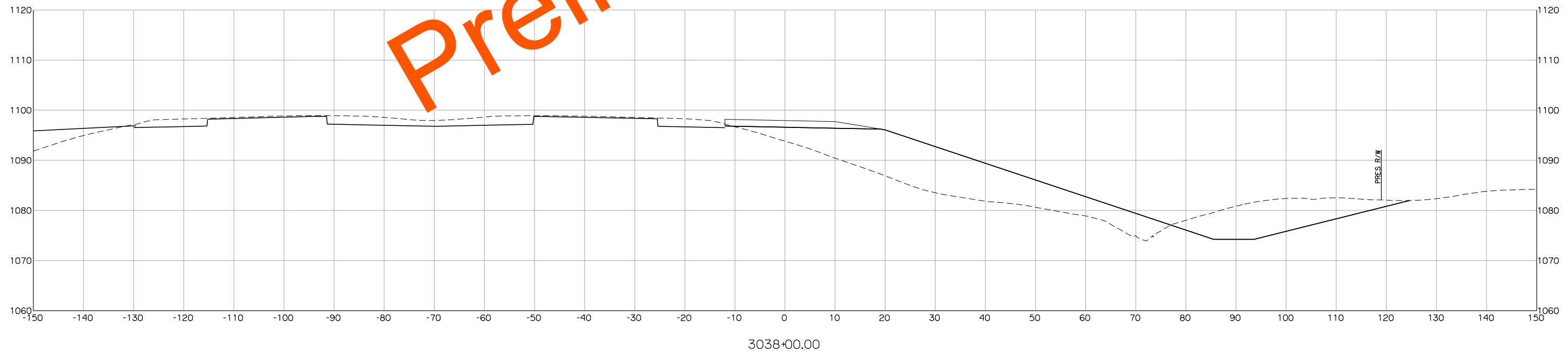
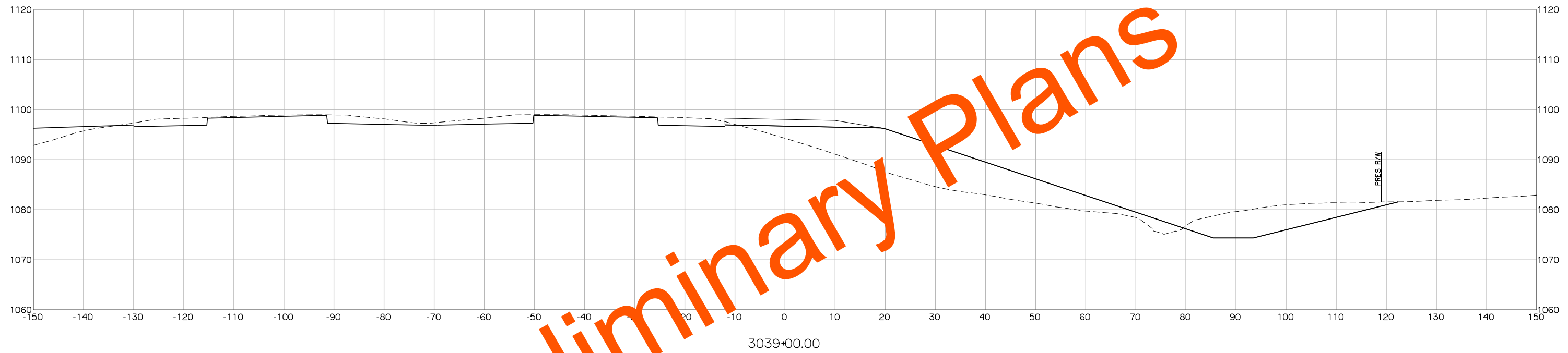


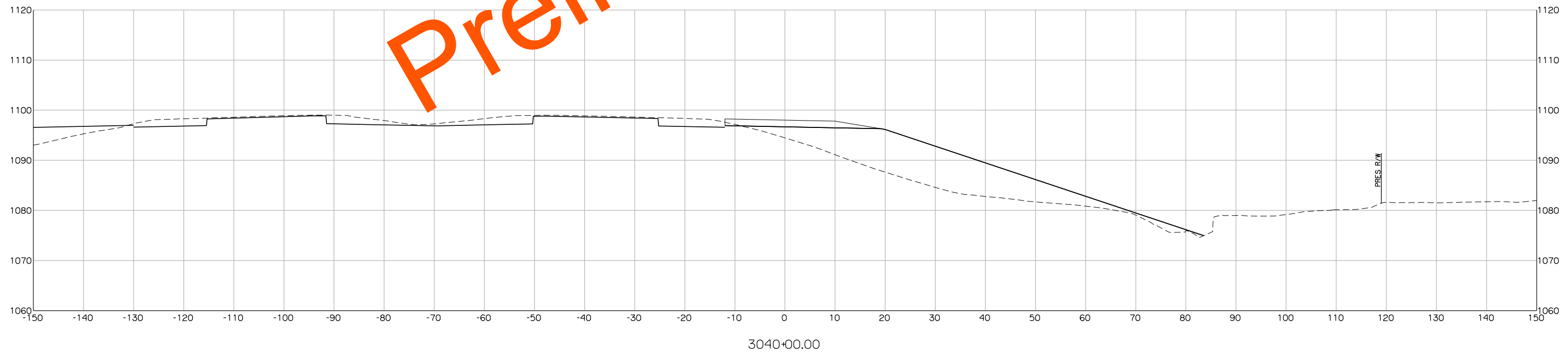
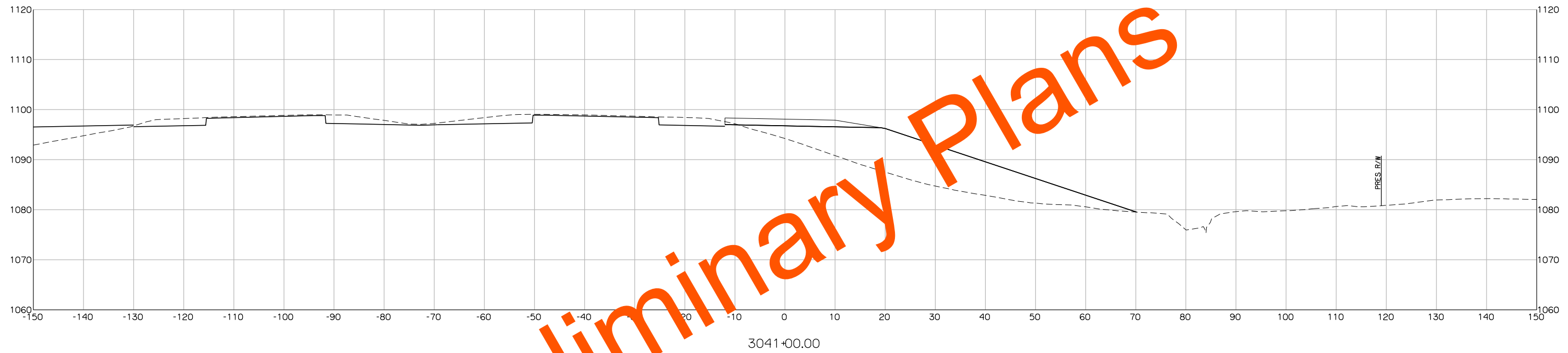




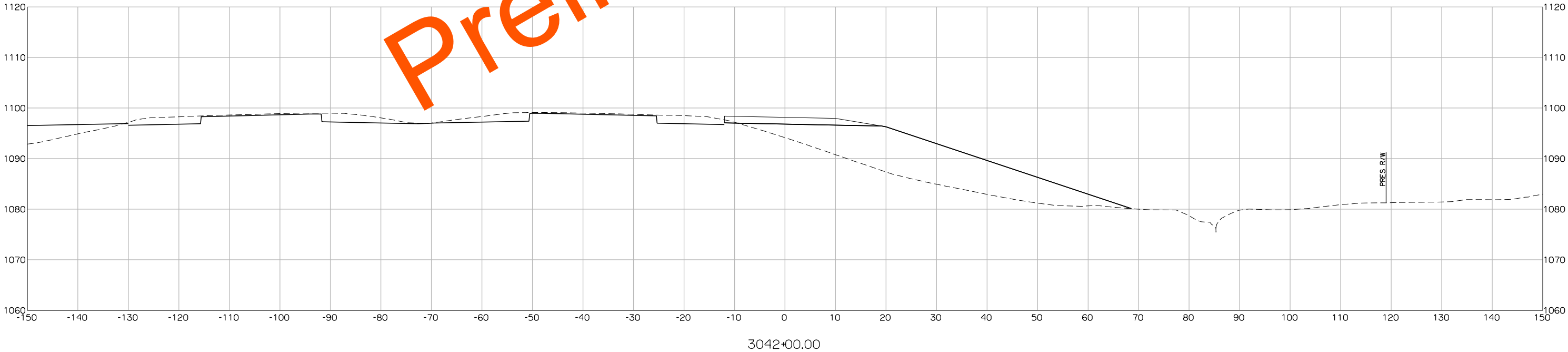


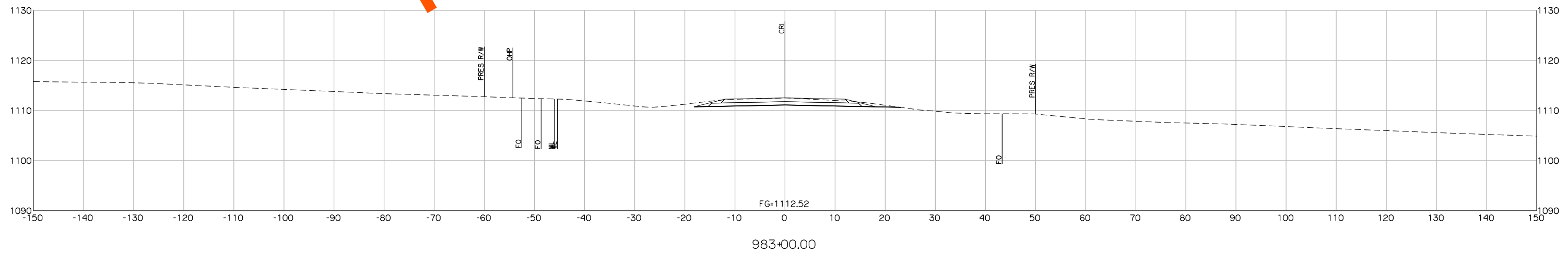
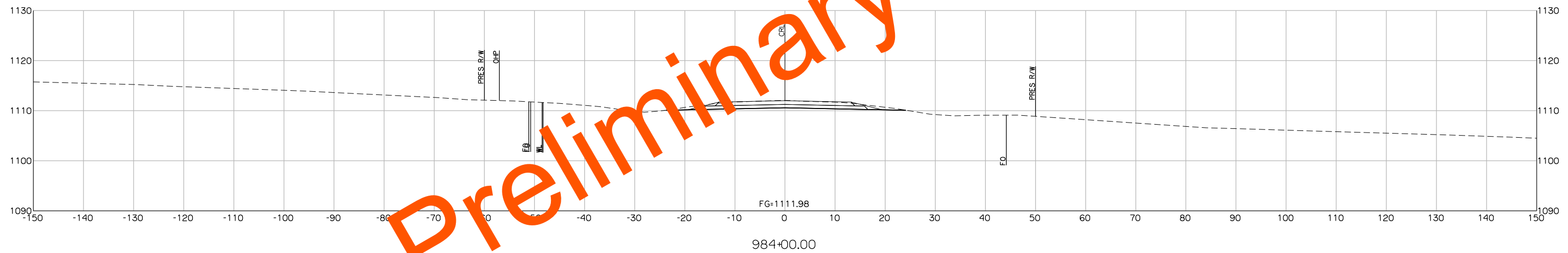
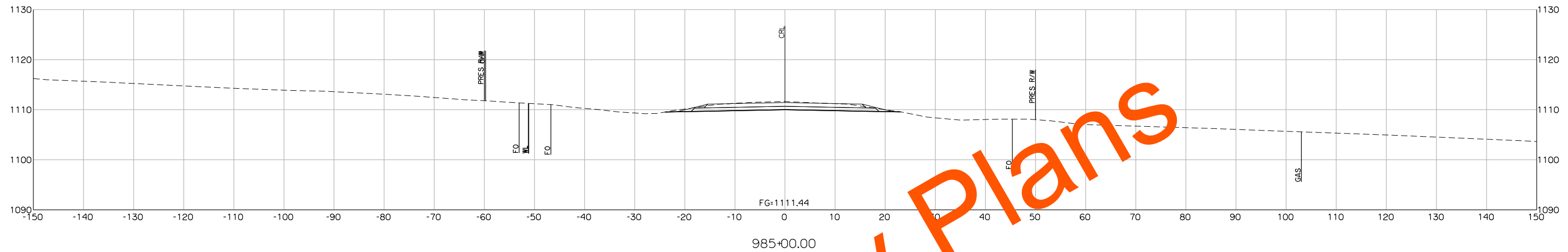


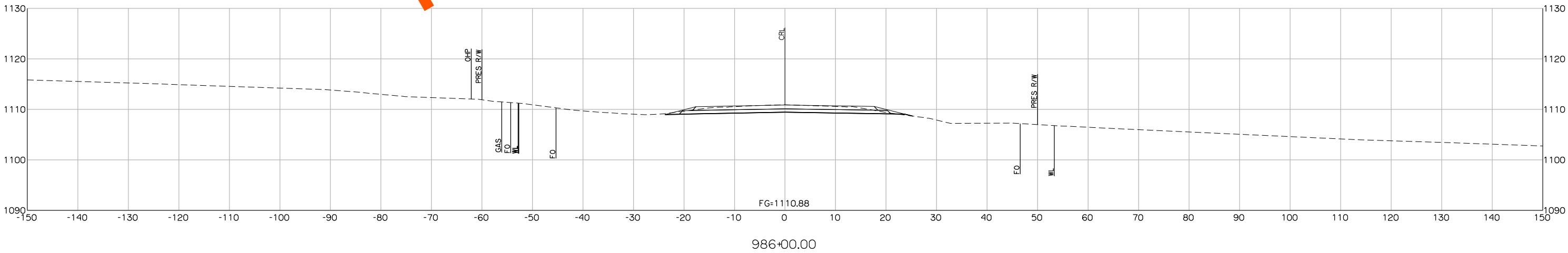
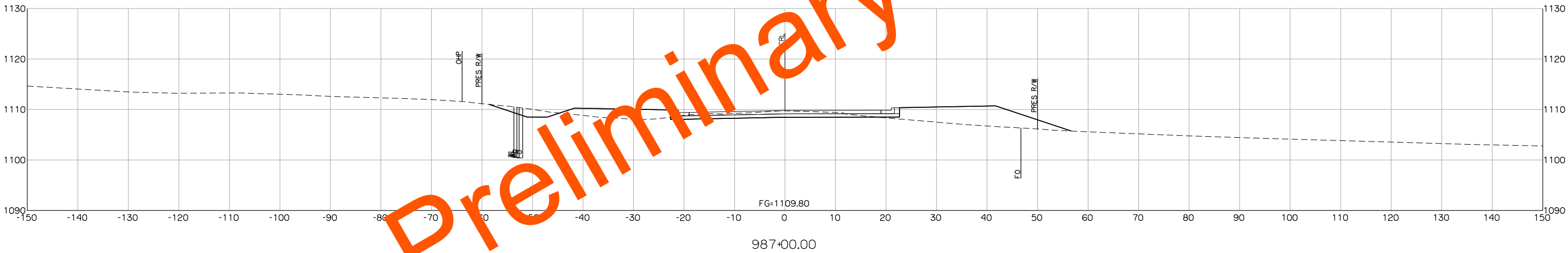
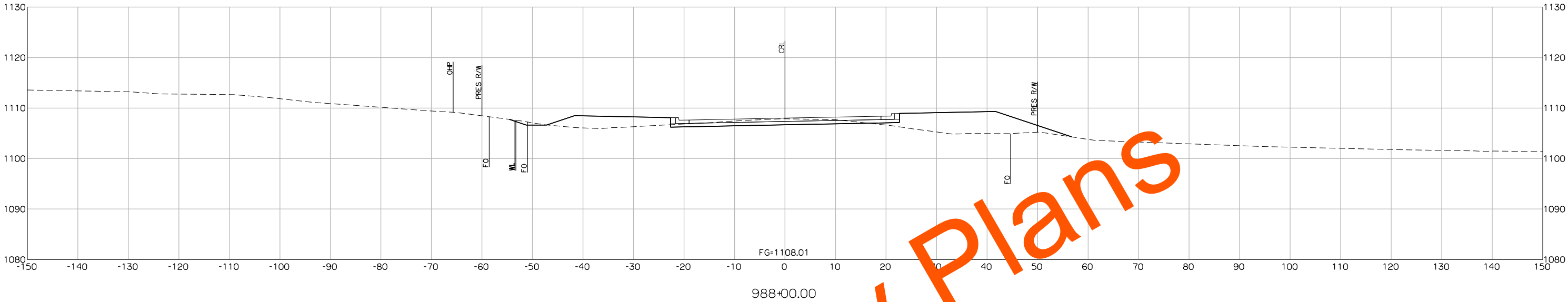


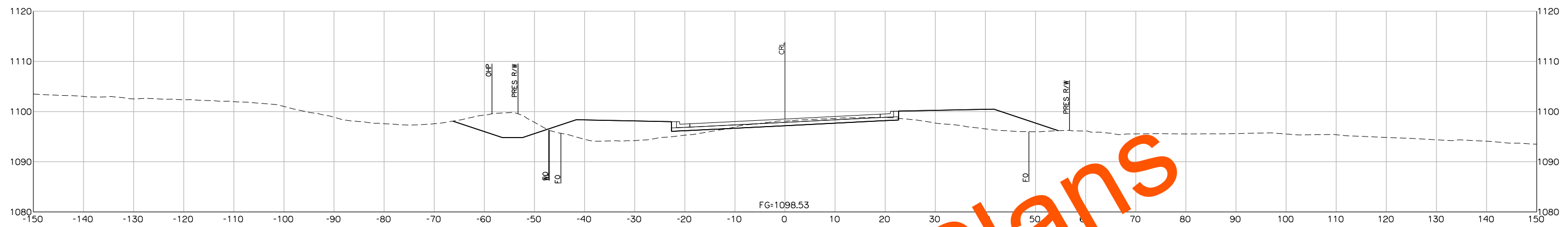


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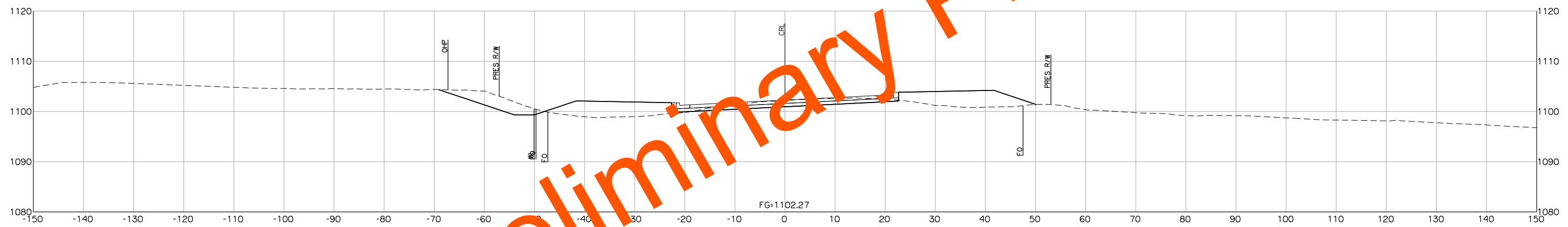




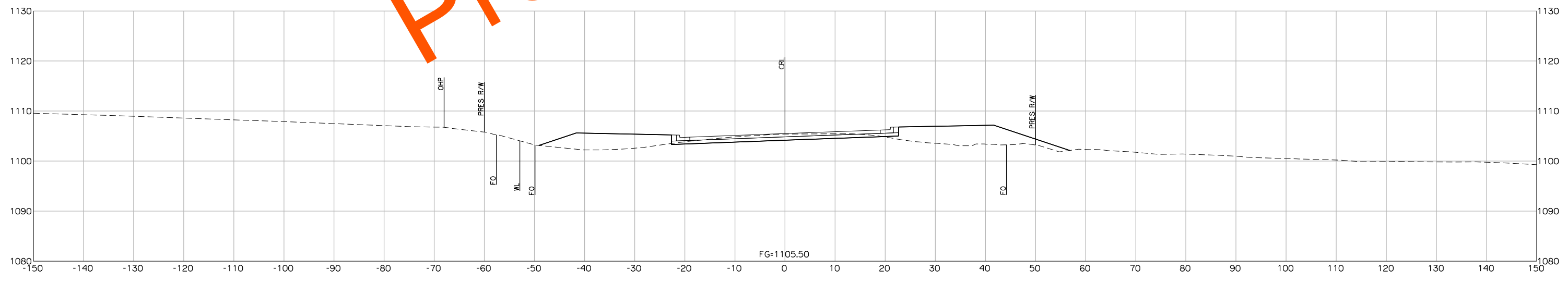




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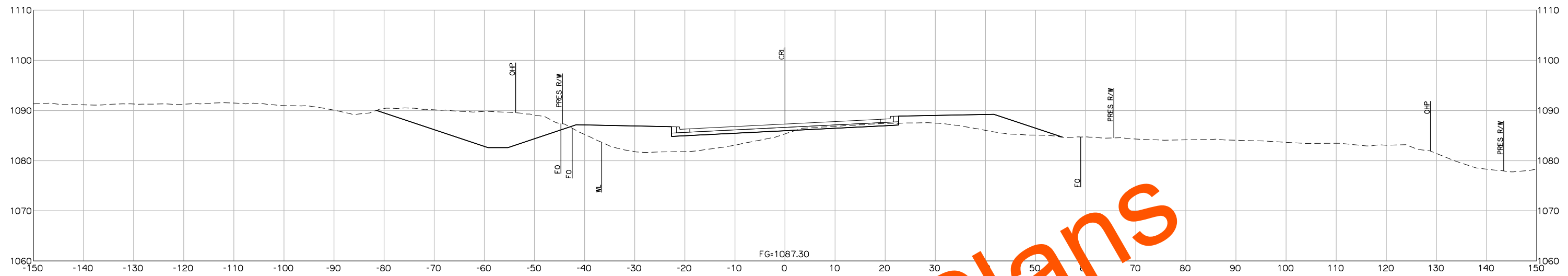


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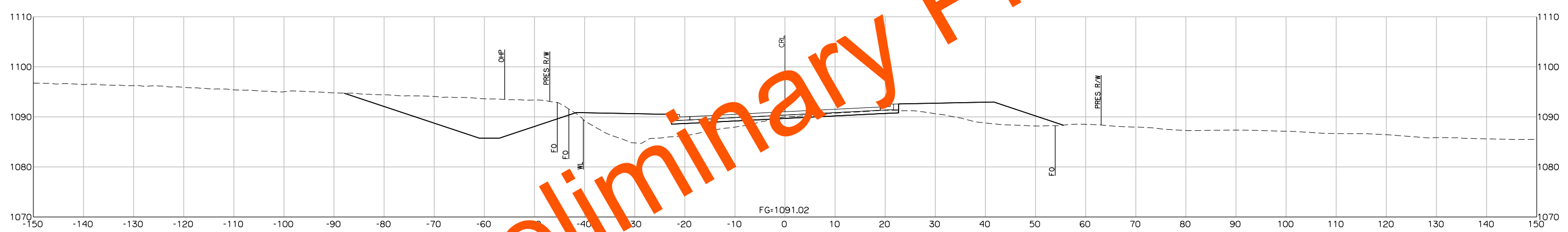


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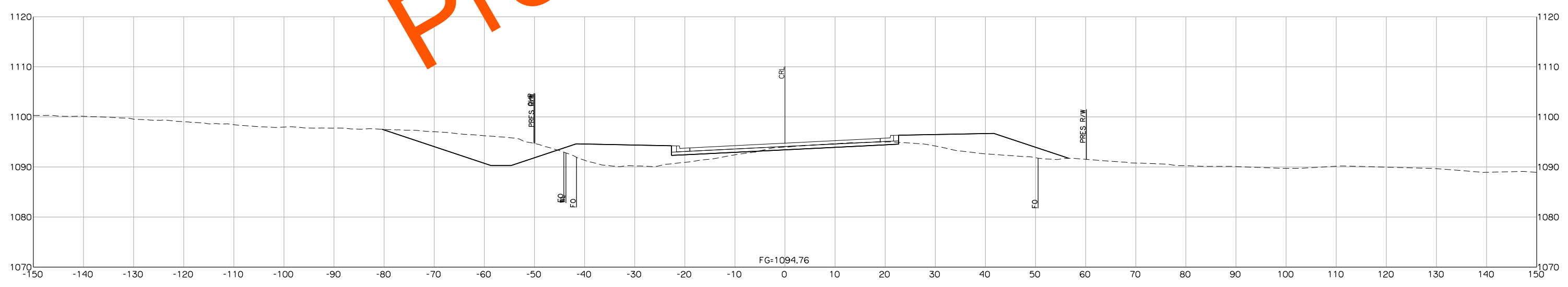
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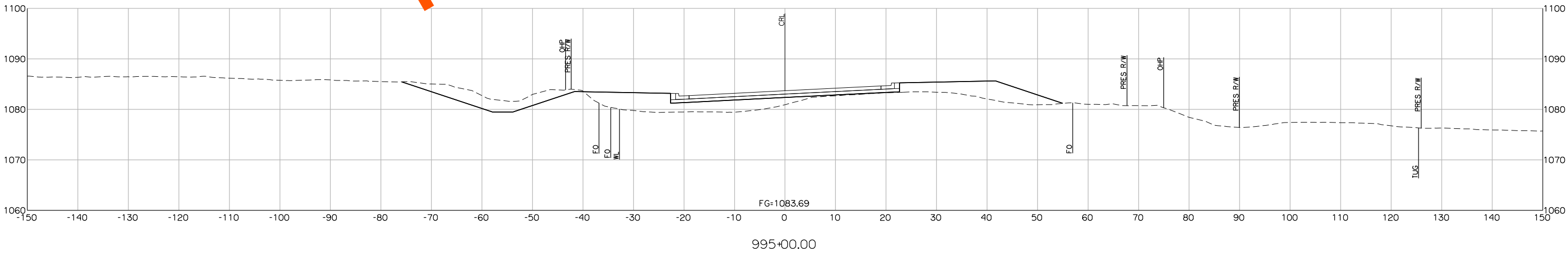
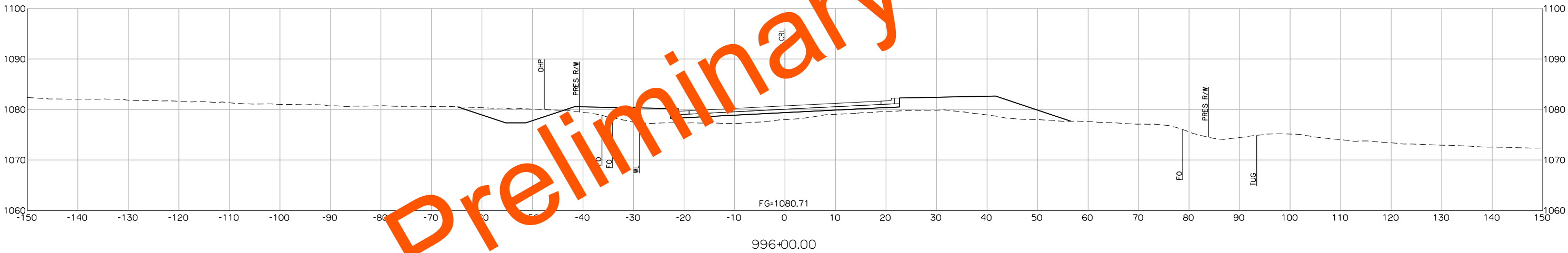
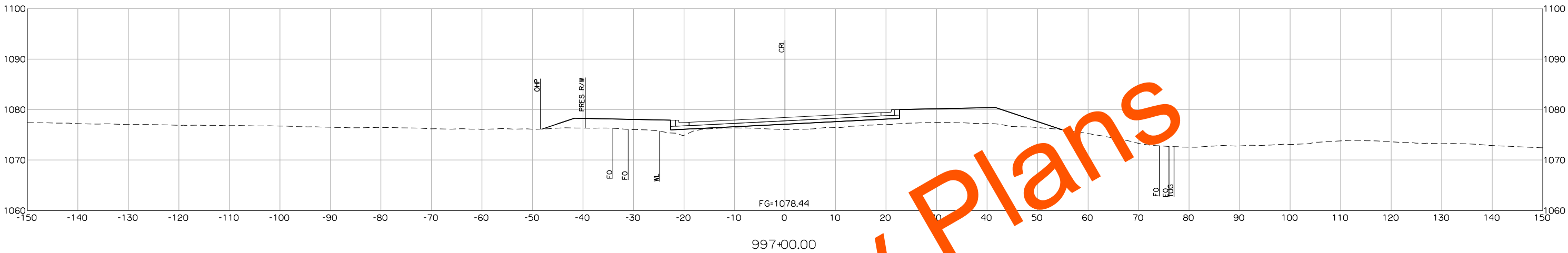
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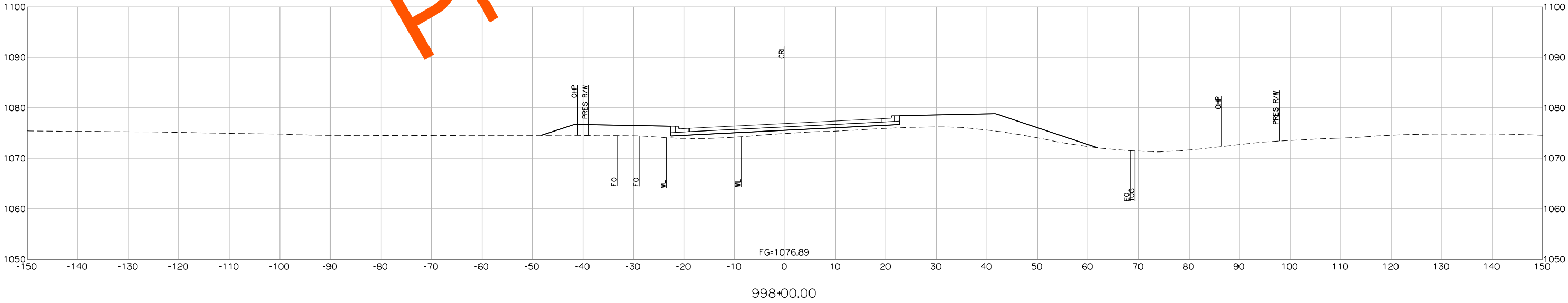
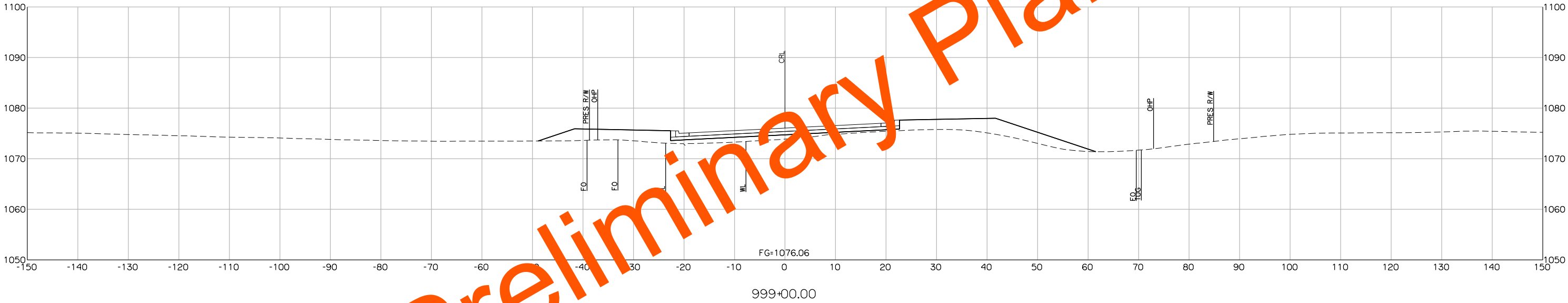
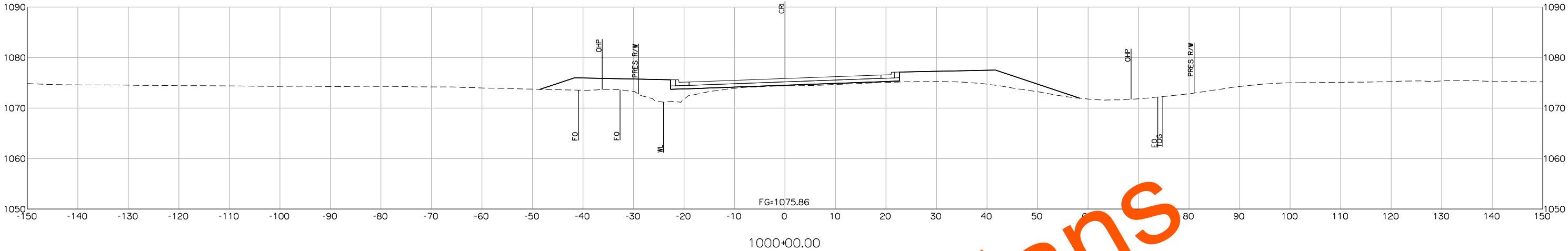


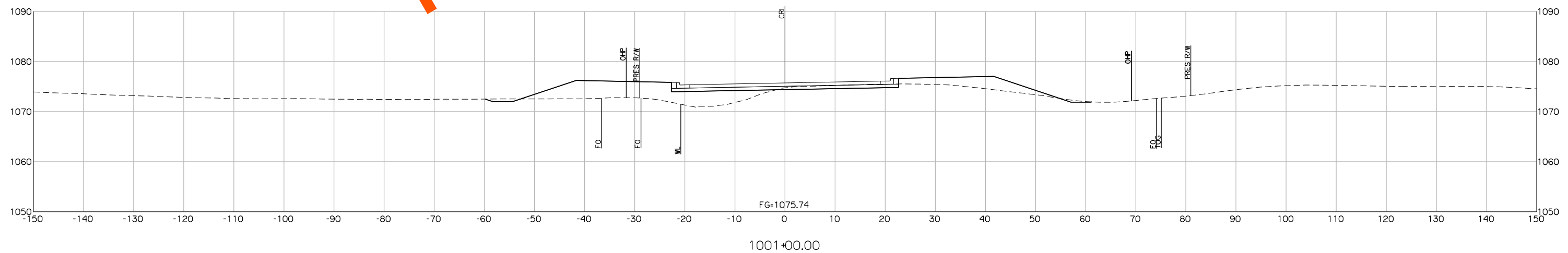
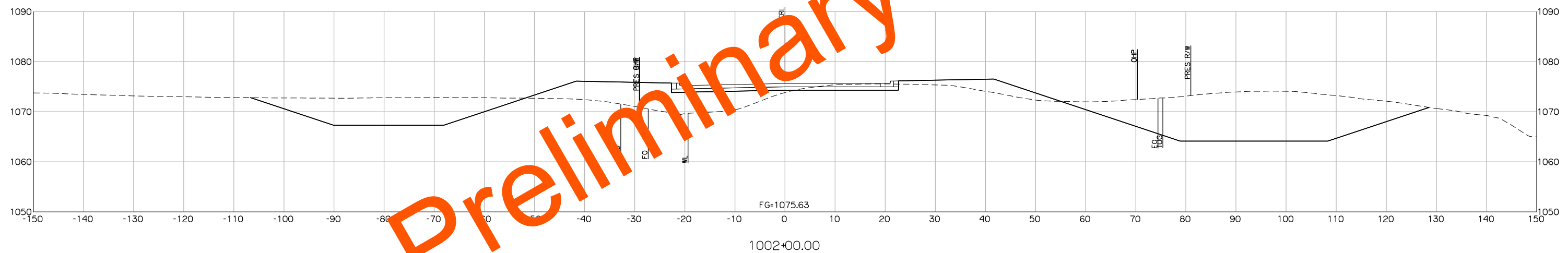
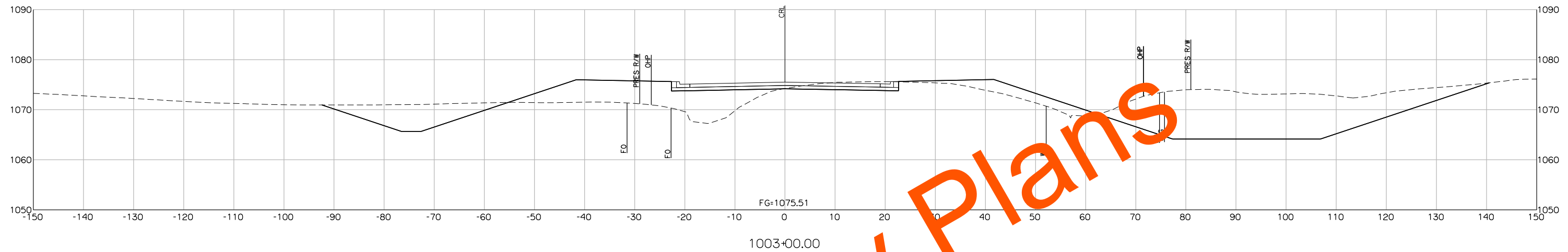
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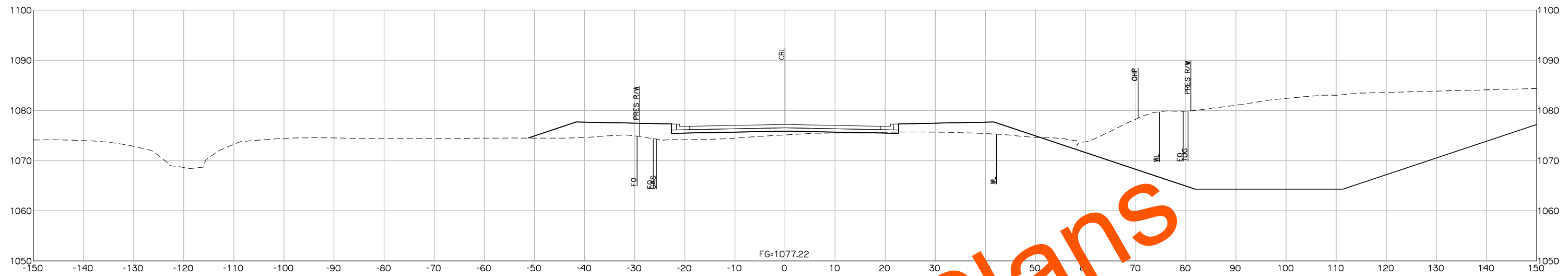


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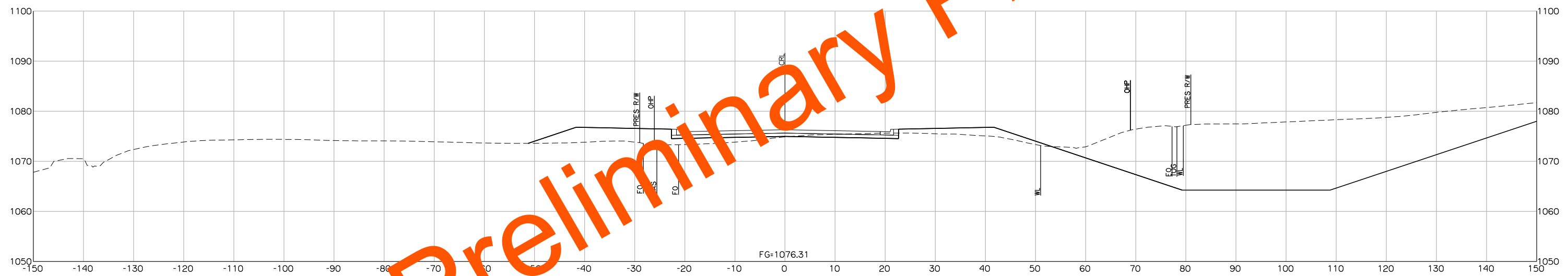




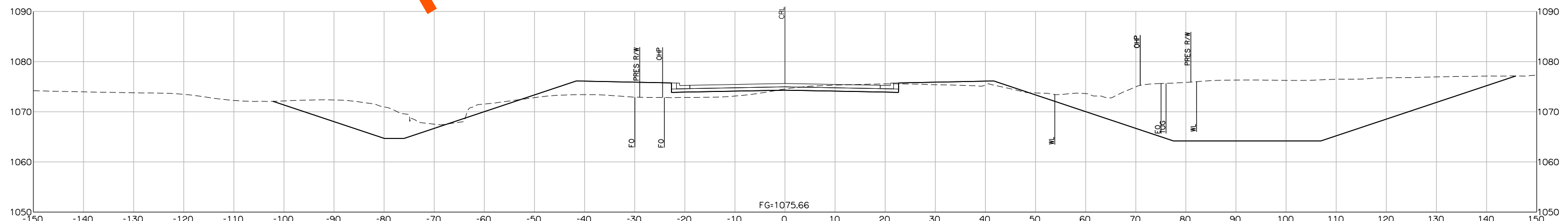




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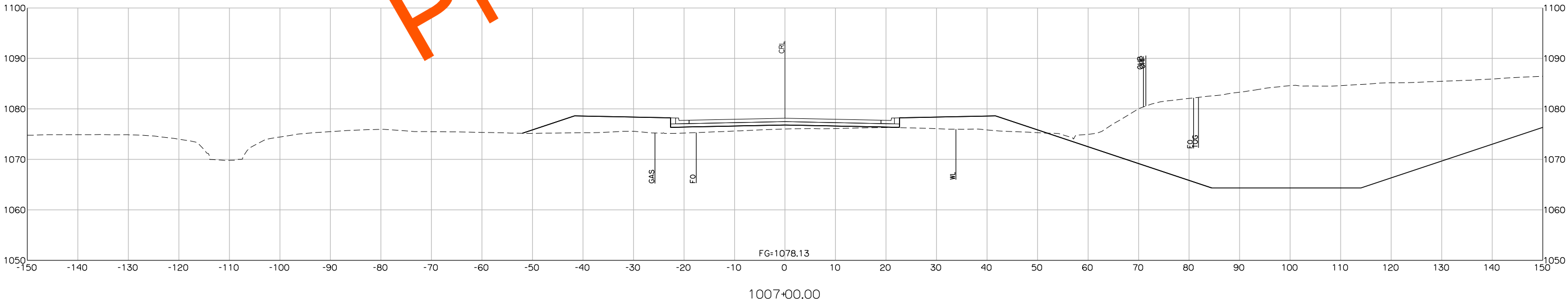
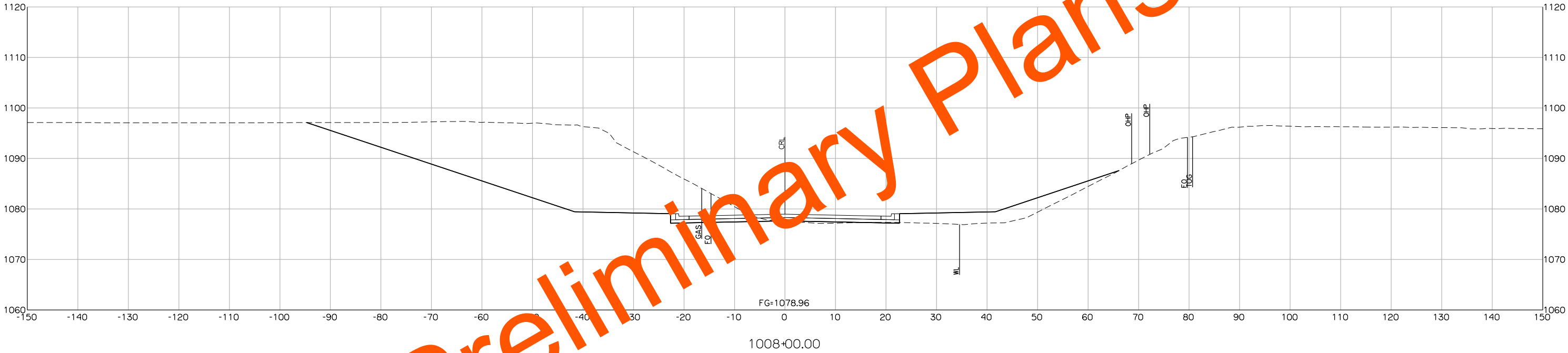


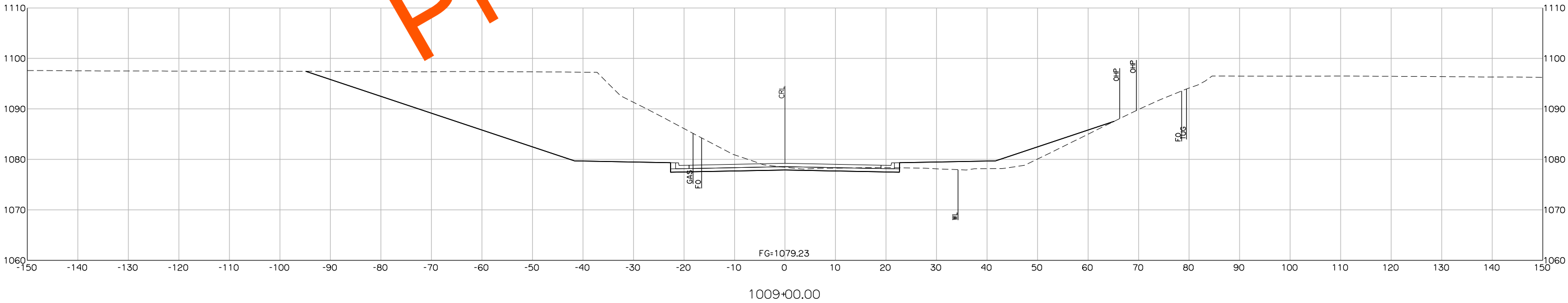
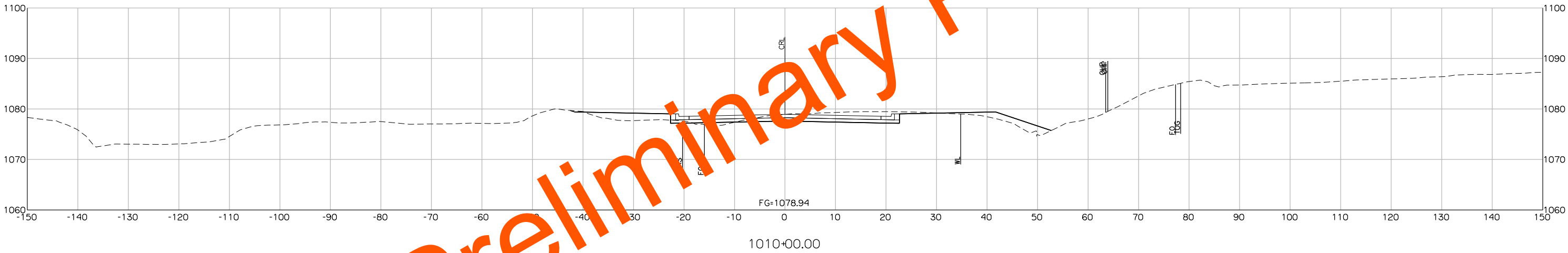
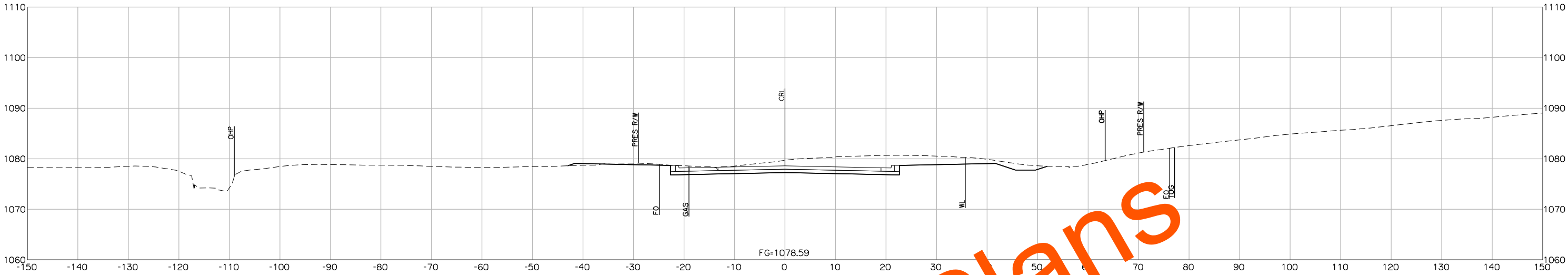
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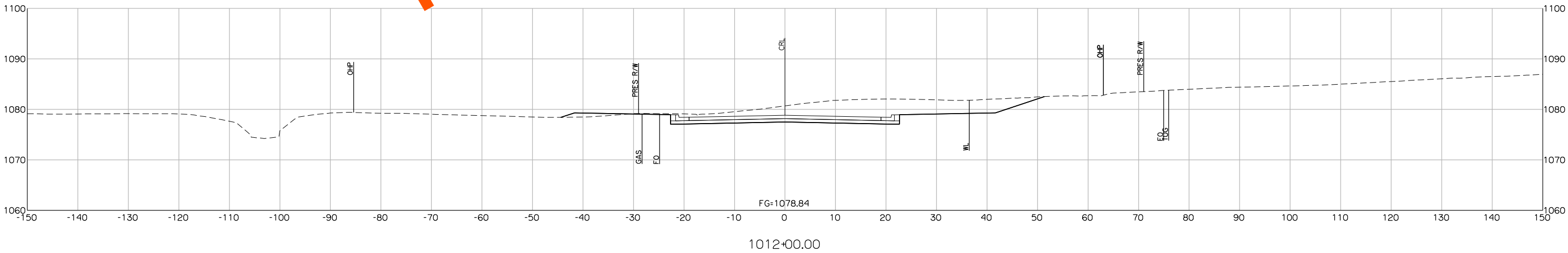
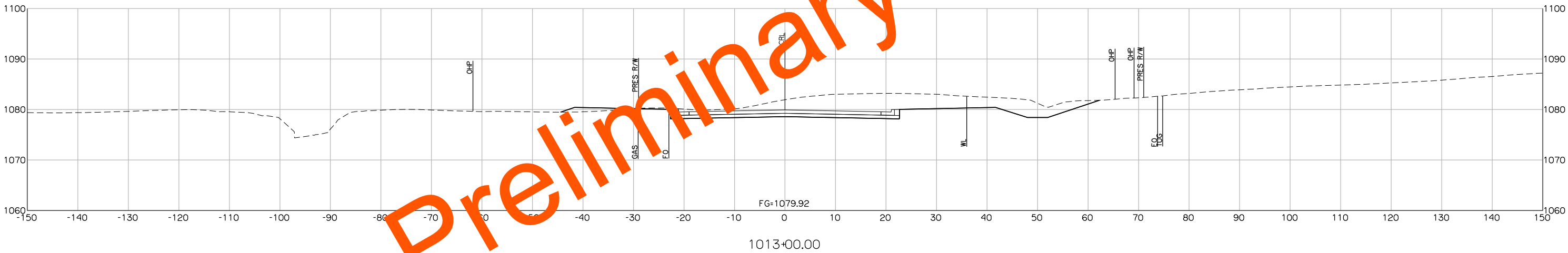
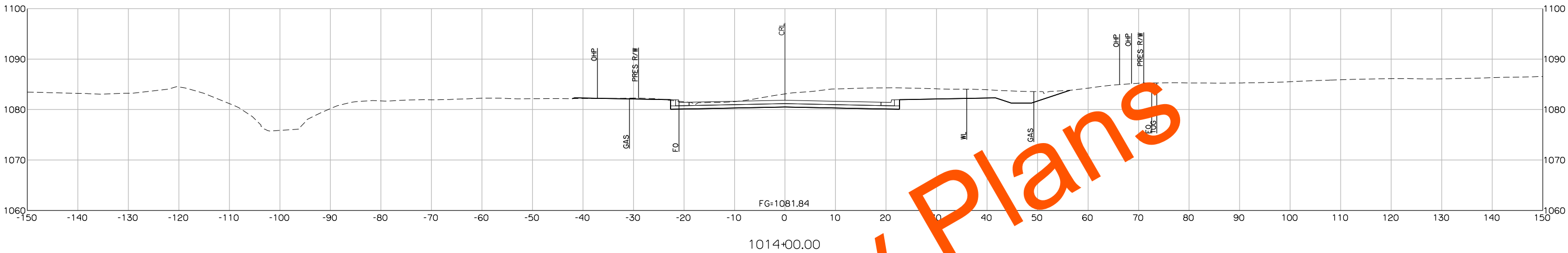


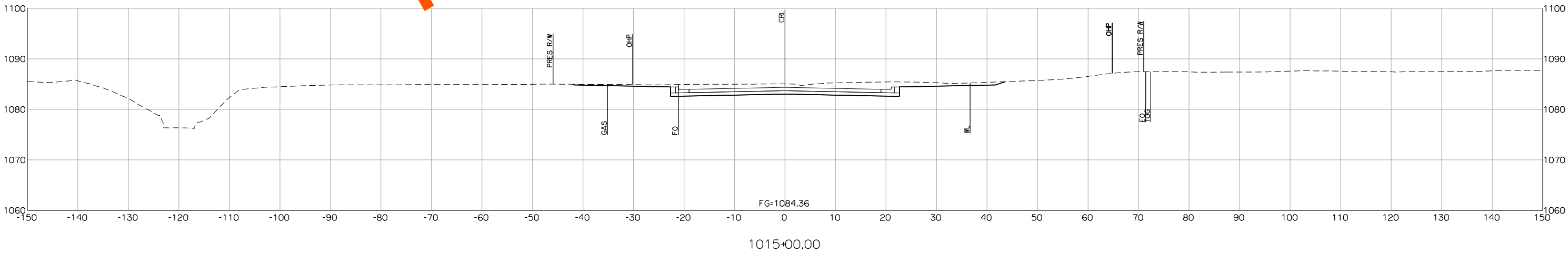
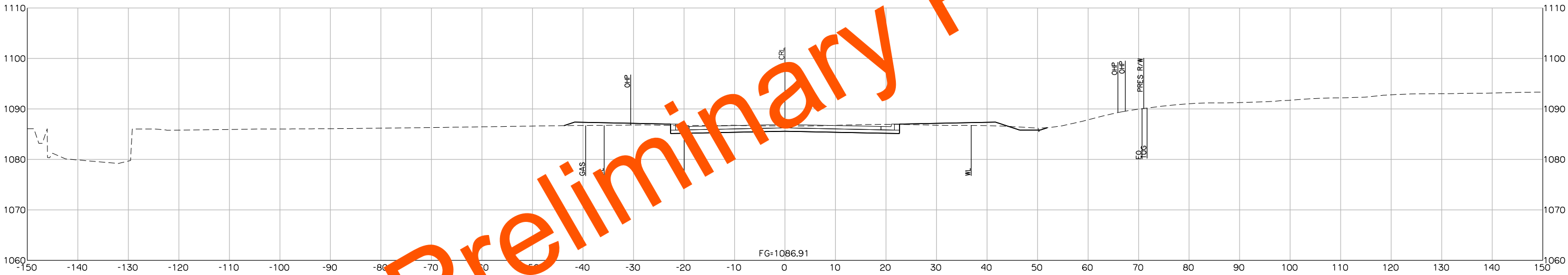
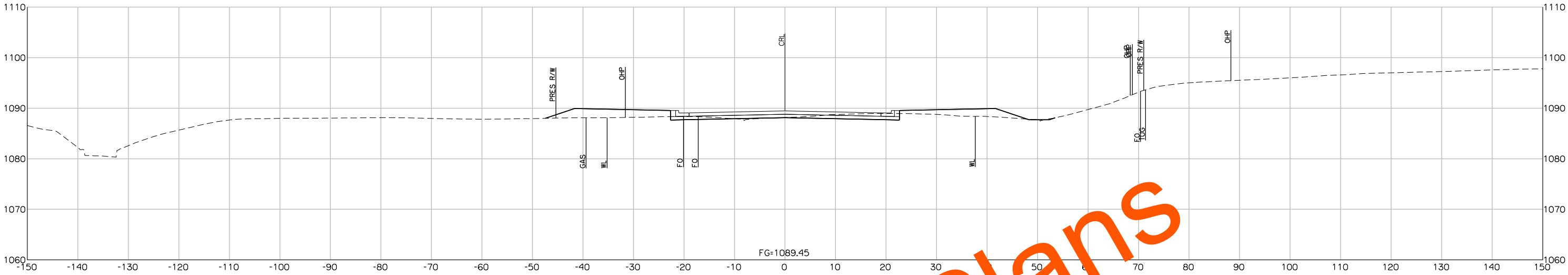
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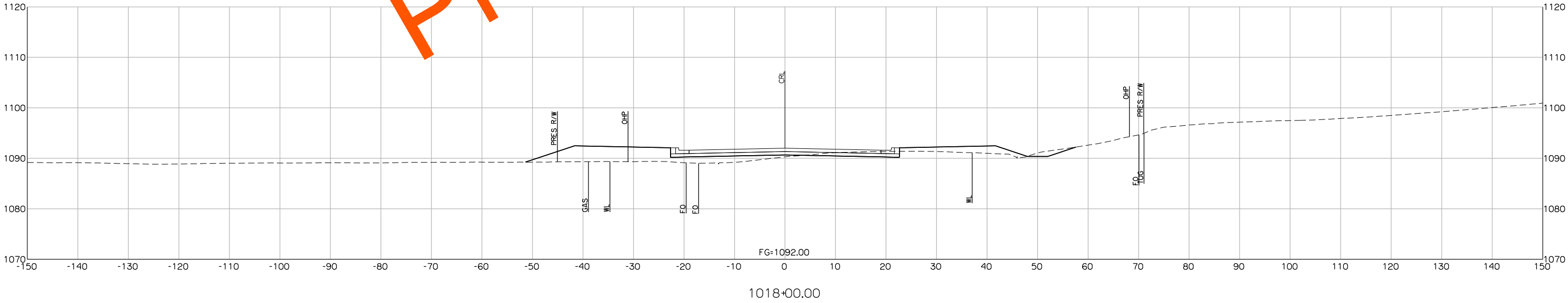
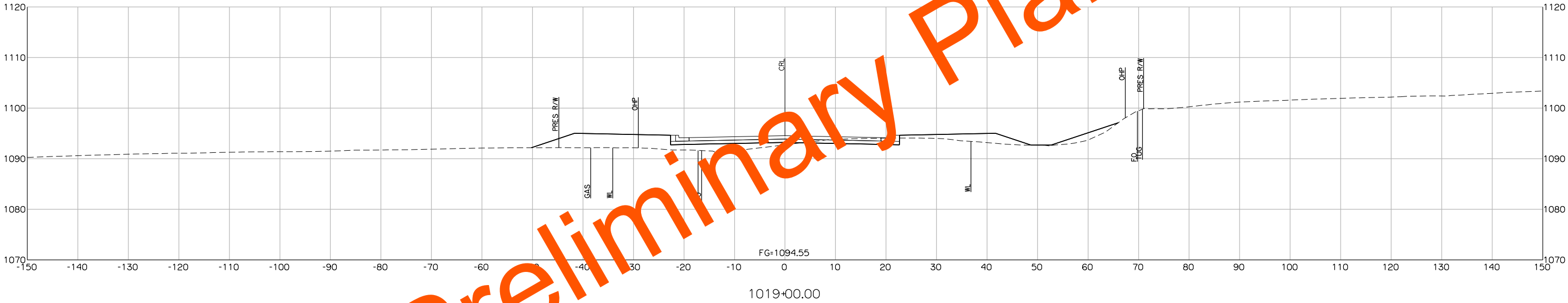
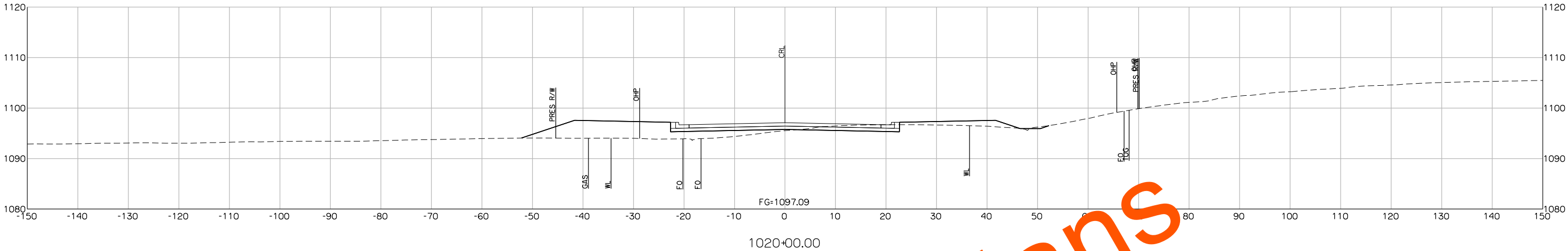
Preliminary Plans

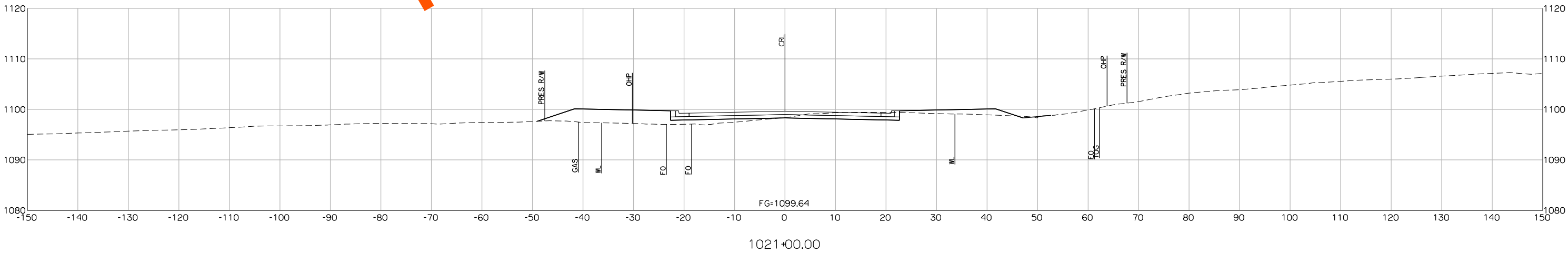
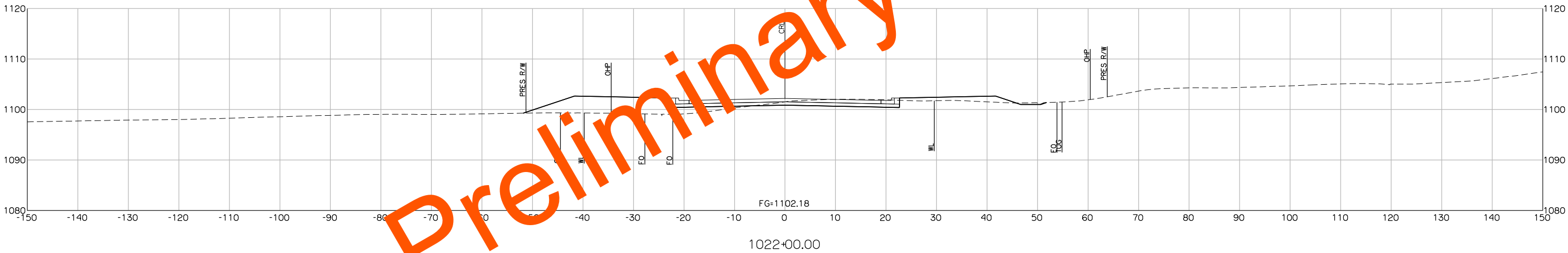
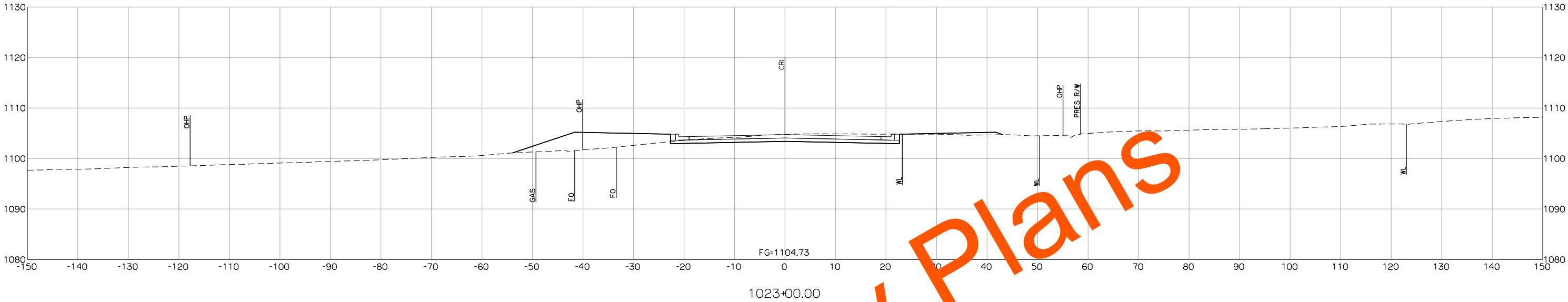


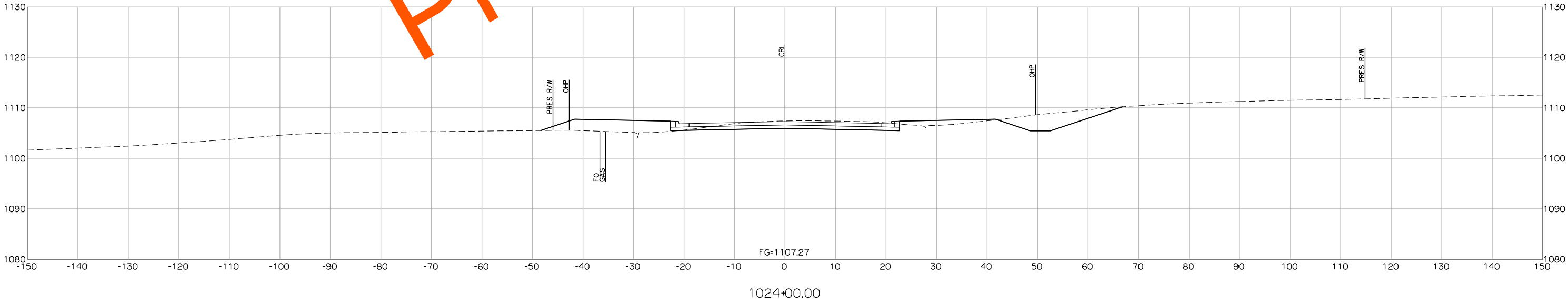
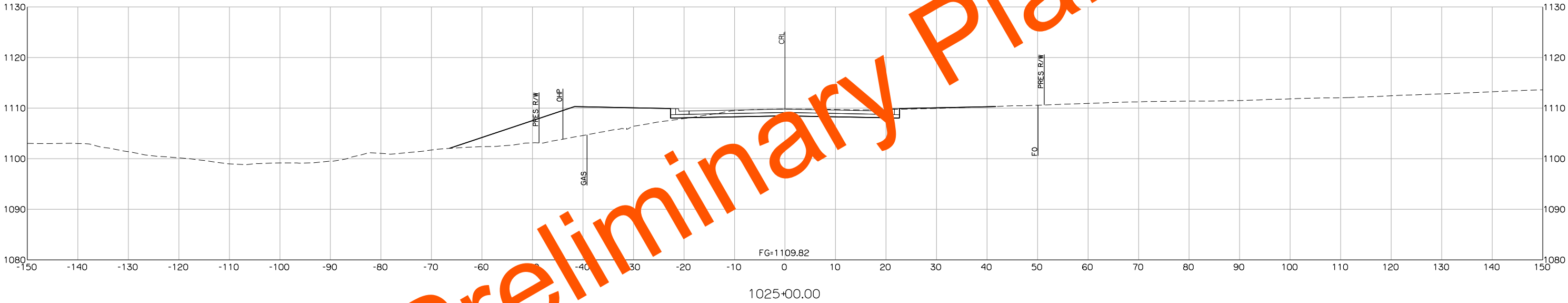
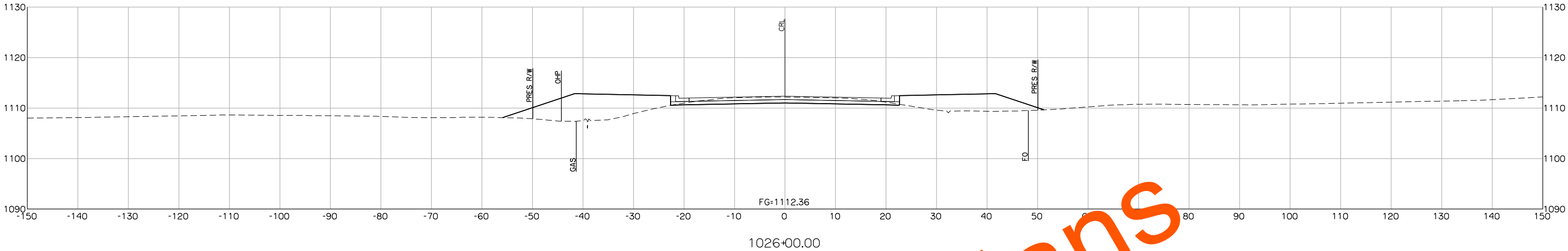


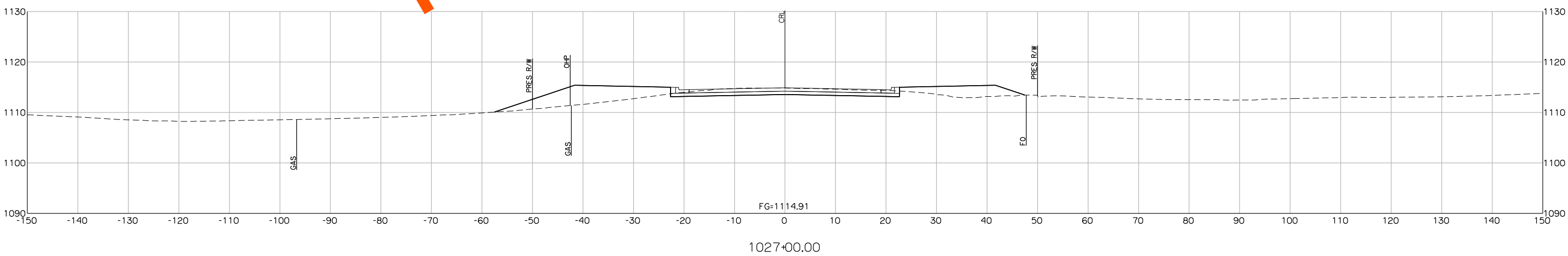
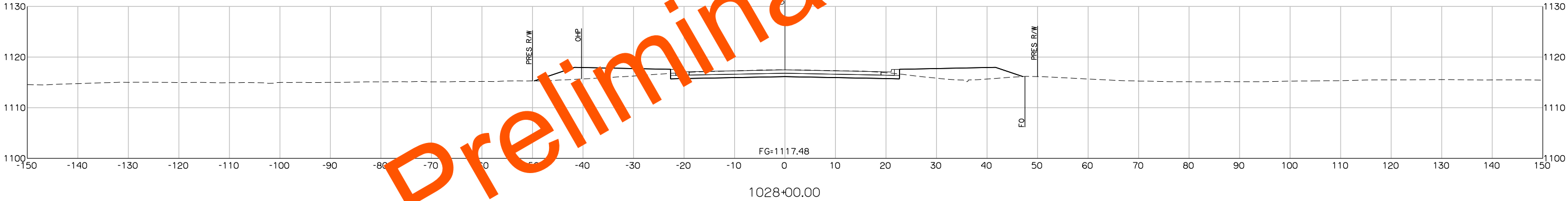
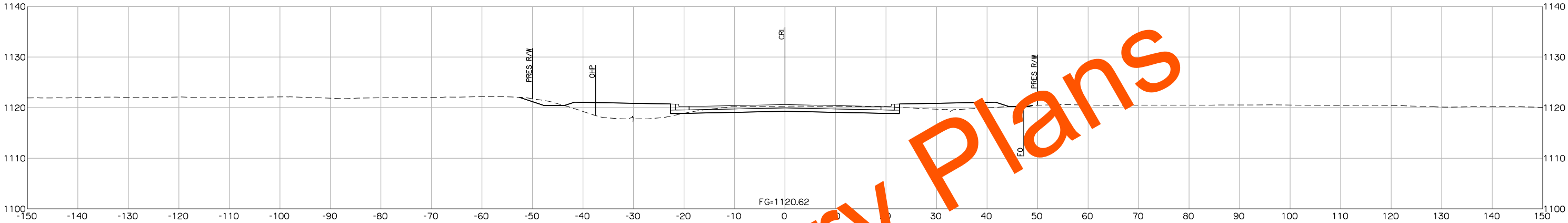


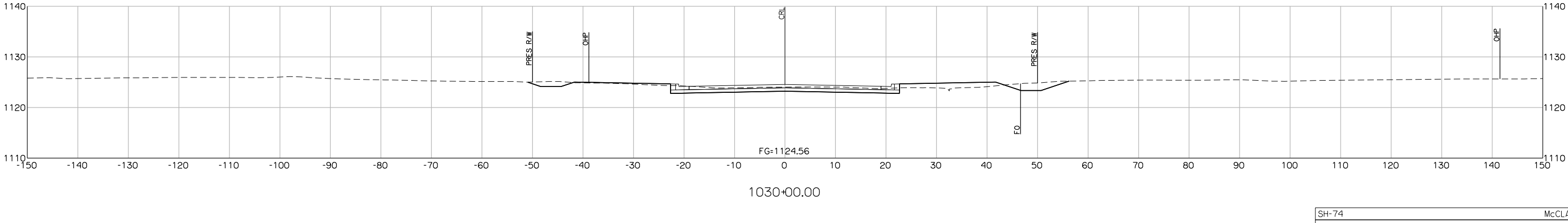
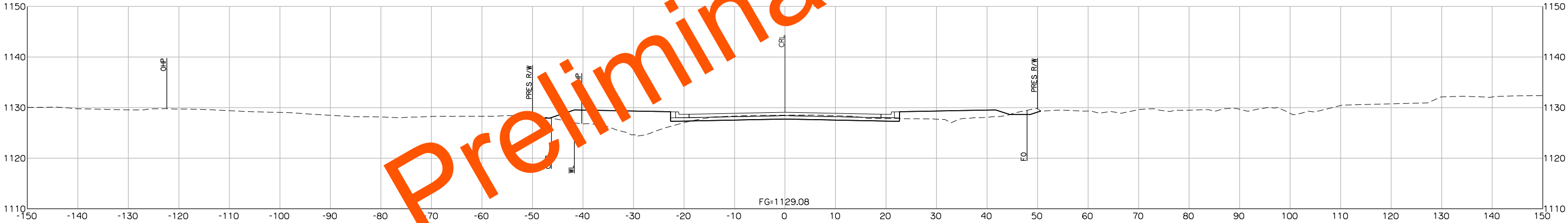
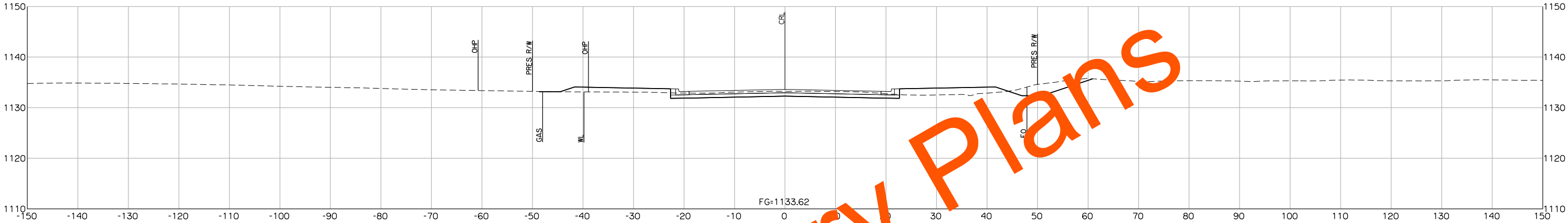


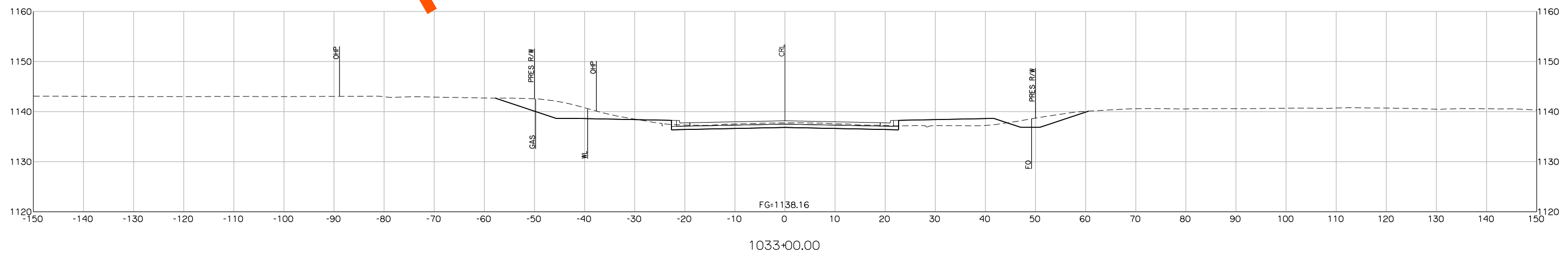
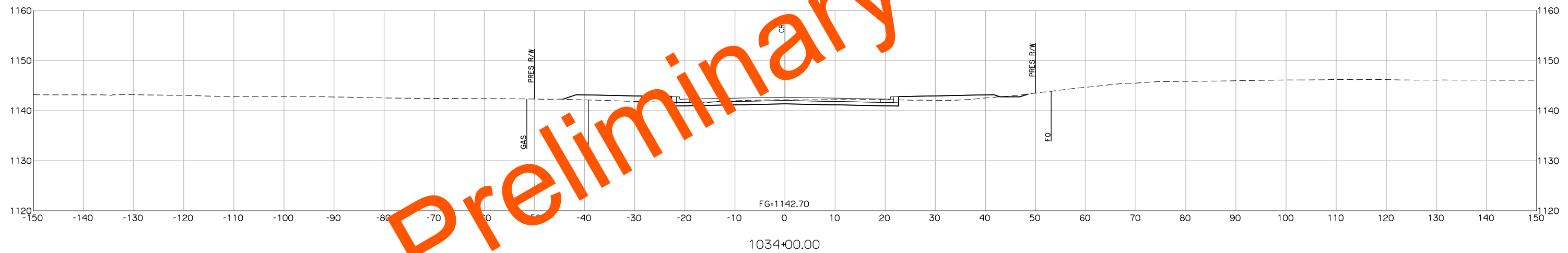
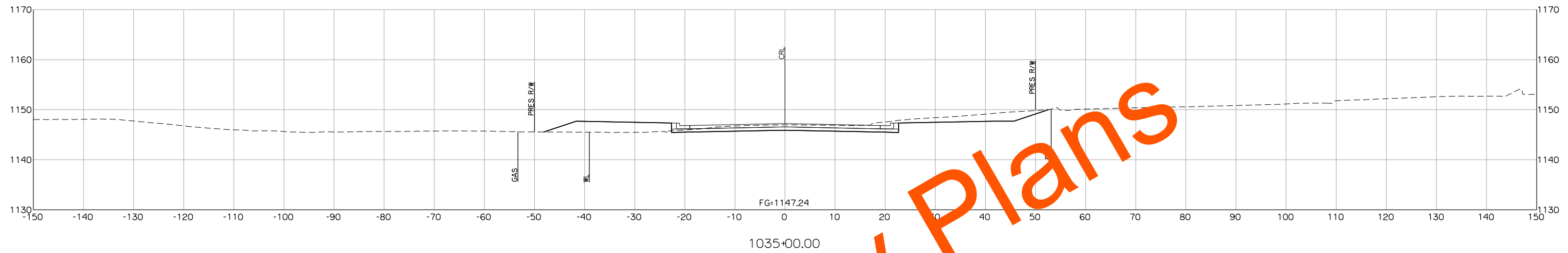












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