



**CUY-90-14.90**

**PID 77332/85531**

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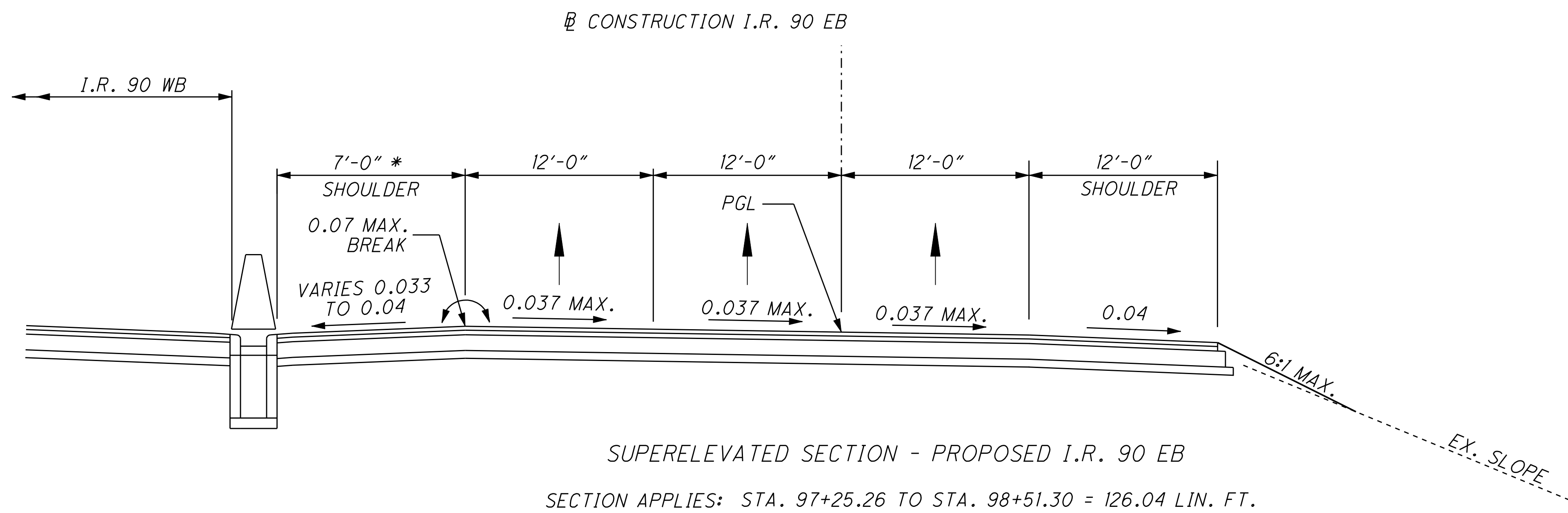
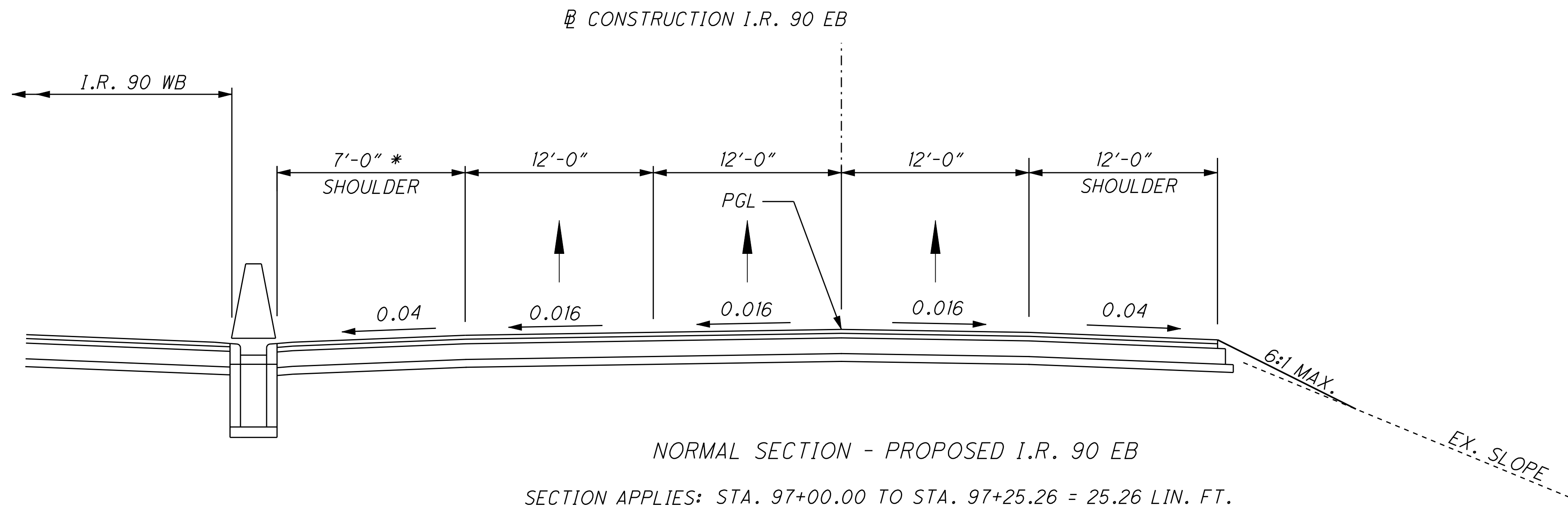
**APPENDIX LD-07**

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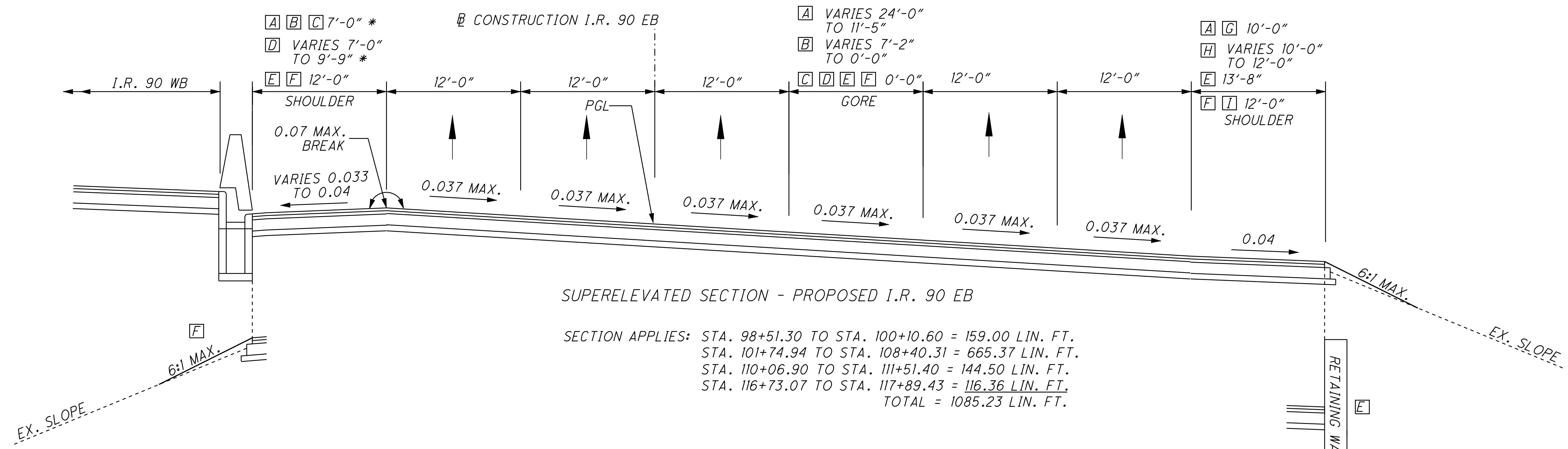
**CCG2 Roadway Engineering Conceptual Plans  
(Basic Configuration)**

State of Ohio  
Department of Transportation  
Jolene M. Molitoris, Director

**Innerbelt Bridge  
Construction Contract Group 1 (CCG1)**

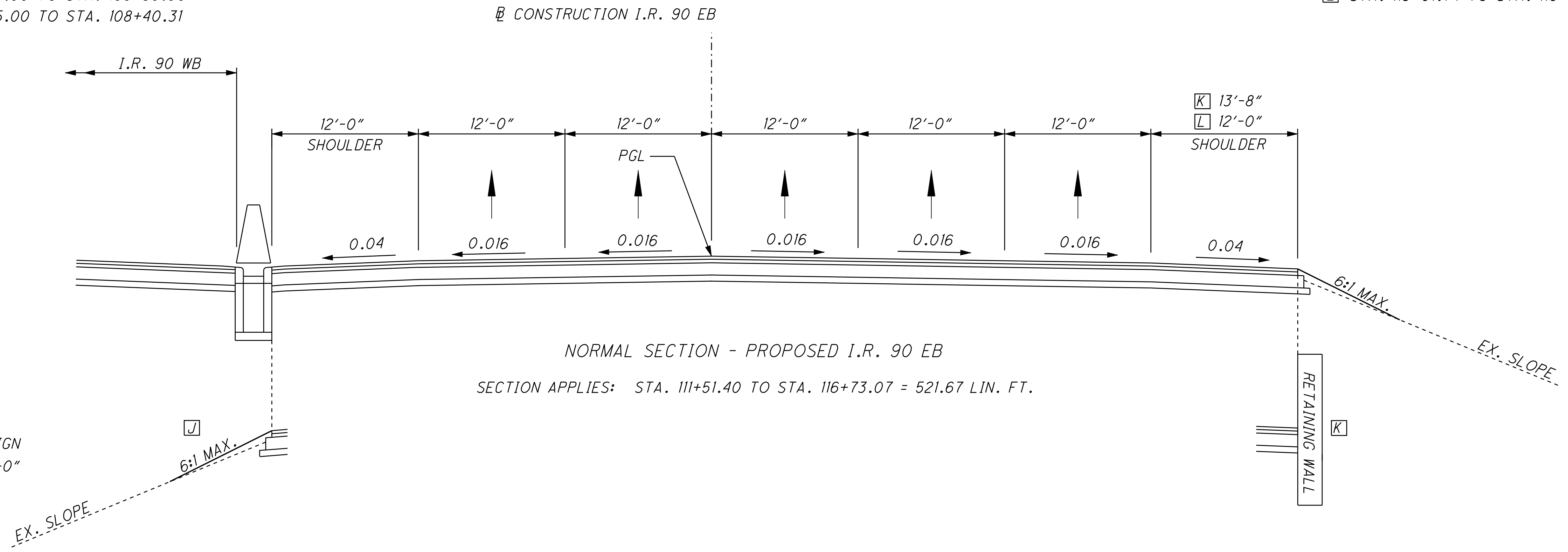


\* NORMAL DESIGN CRITERIA = 12'-0"



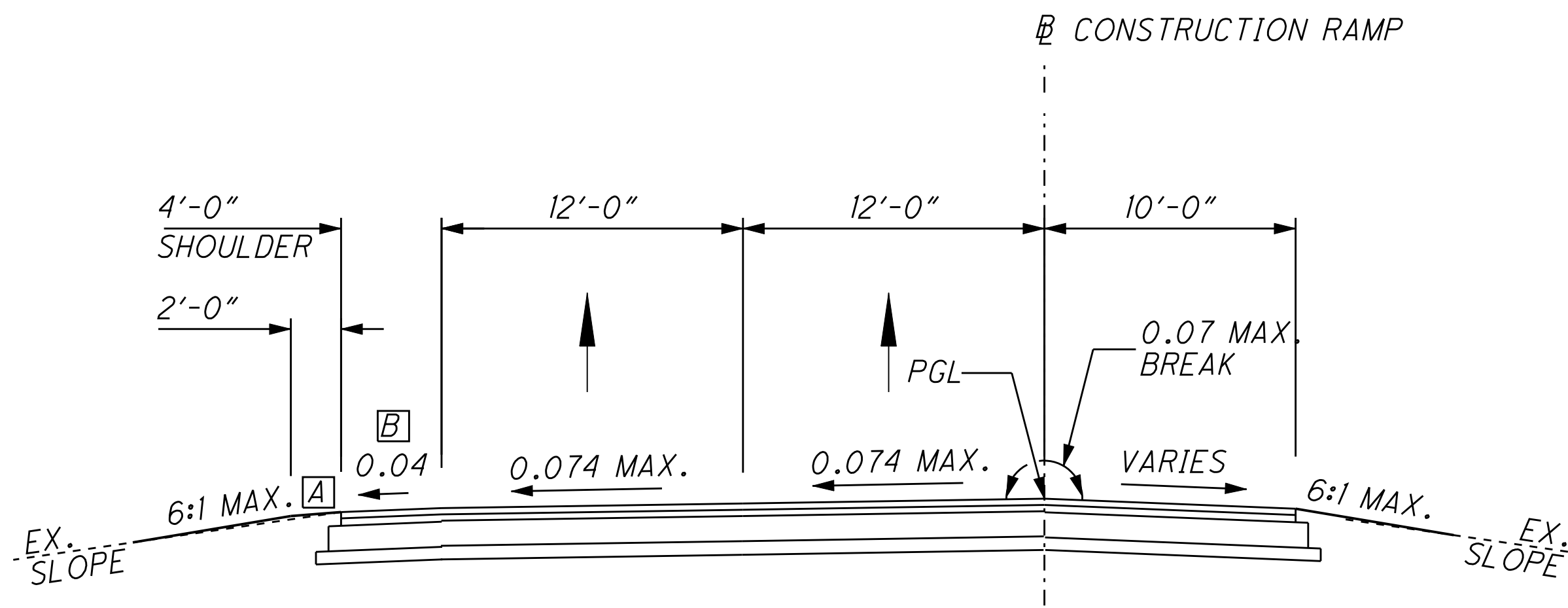
- A STA. 98+51.30 TO STA. 100+10.60
- B STA. 101+74.94 TO STA. 105+34.51
- C STA. 105+34.51 TO STA. 106+32.03
- D STA. 106+32.03 TO STA. 108+40.31
- E STA. 110+06.90 TO STA. 111+51.40
- F STA. 116+73.07 TO STA. 117+89.43
- G STA. 101+74.94 TO STA. 104+35.00
- H STA. 104+35.00 TO STA. 105+35.00
- I STA. 105+35.00 TO STA. 108+40.31

- J STA. 111+83.68 TO STA. 116+73.07
- K STA. 111+51.40 TO STA. 113+01.74
- L STA. 113+01.74 TO STA. 116+73.07

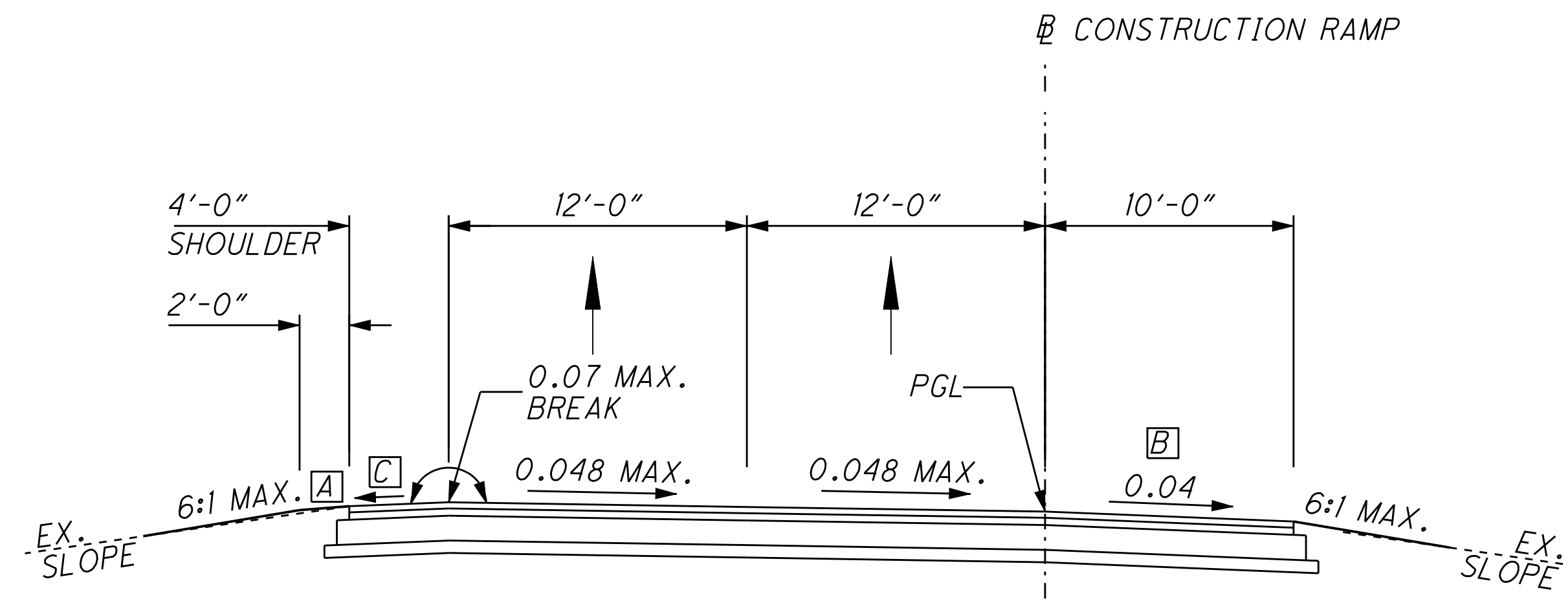


\* NORMAL DESIGN CRITERIA = 12'-0"

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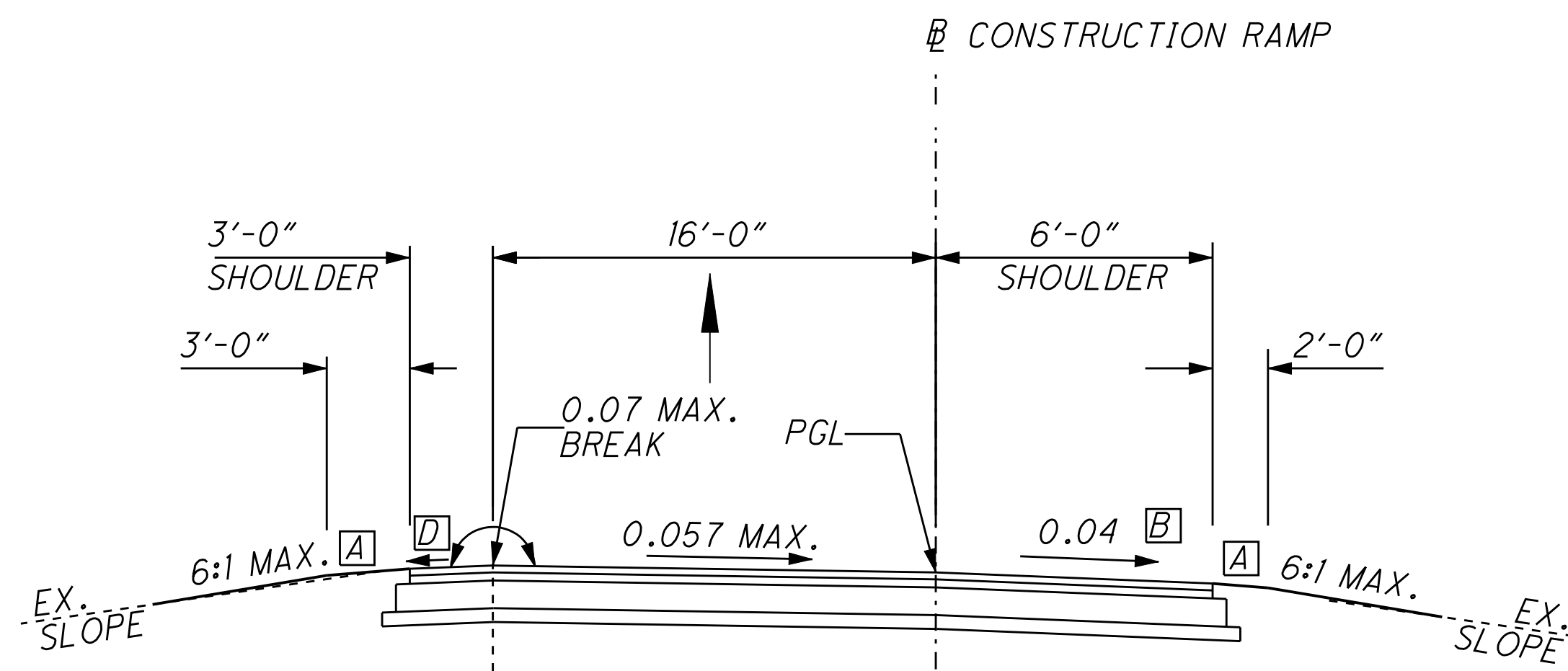


**SUPERELEVATED RAMP SECTION**  
SECTION APPLIES:  
RAMP B1 - STA. 1100+92.58 TO STA. 1104+52.58 = 360.00 LIN. FT.

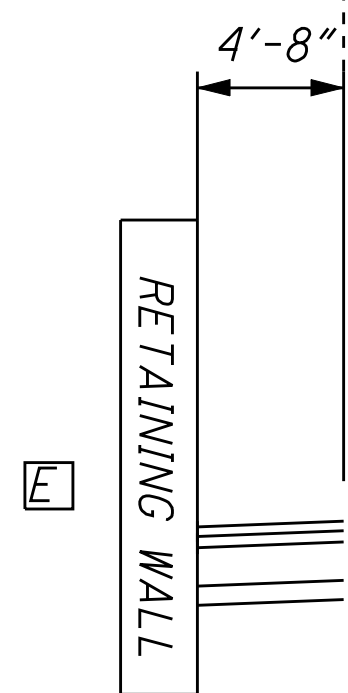


**SUPERELEVATED RAMP SECTION**  
SECTION APPLIES:  
RAMP B1 - STA. 1104+52.58 TO STA. 1106+82.98 = 230.40 LIN. FT.

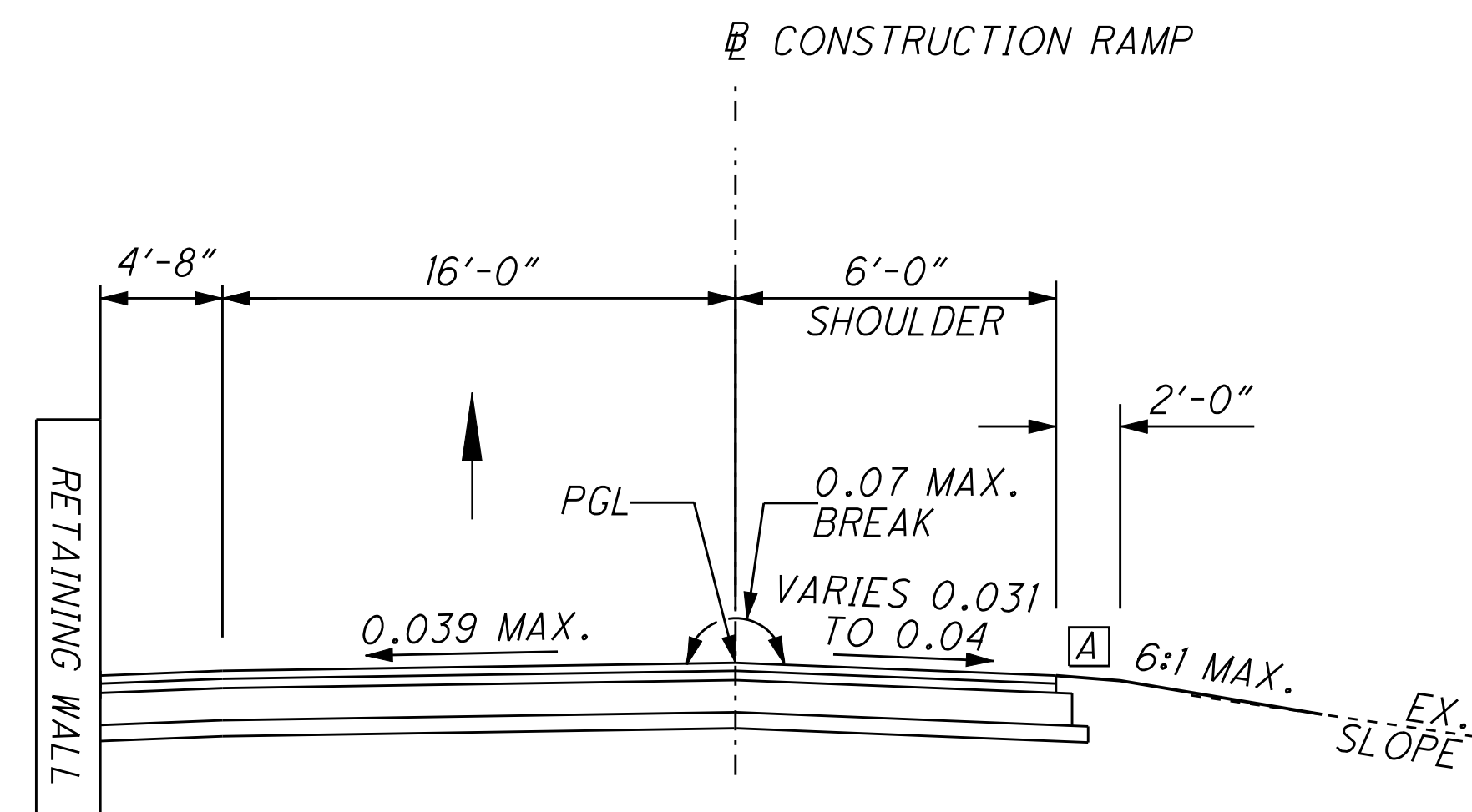
- A** 0.08 SLOPE
- B** OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C** VARIES 0.022 TO 0.04
- D** VARIES 0.013 TO 0.04



**SUPERELEVATED RAMP SECTION**  
SECTION APPLIES:  
RAMP B2 - STA. 1201+03.31 TO STA. 1204+08.73 = 305.42 LIN. FT.

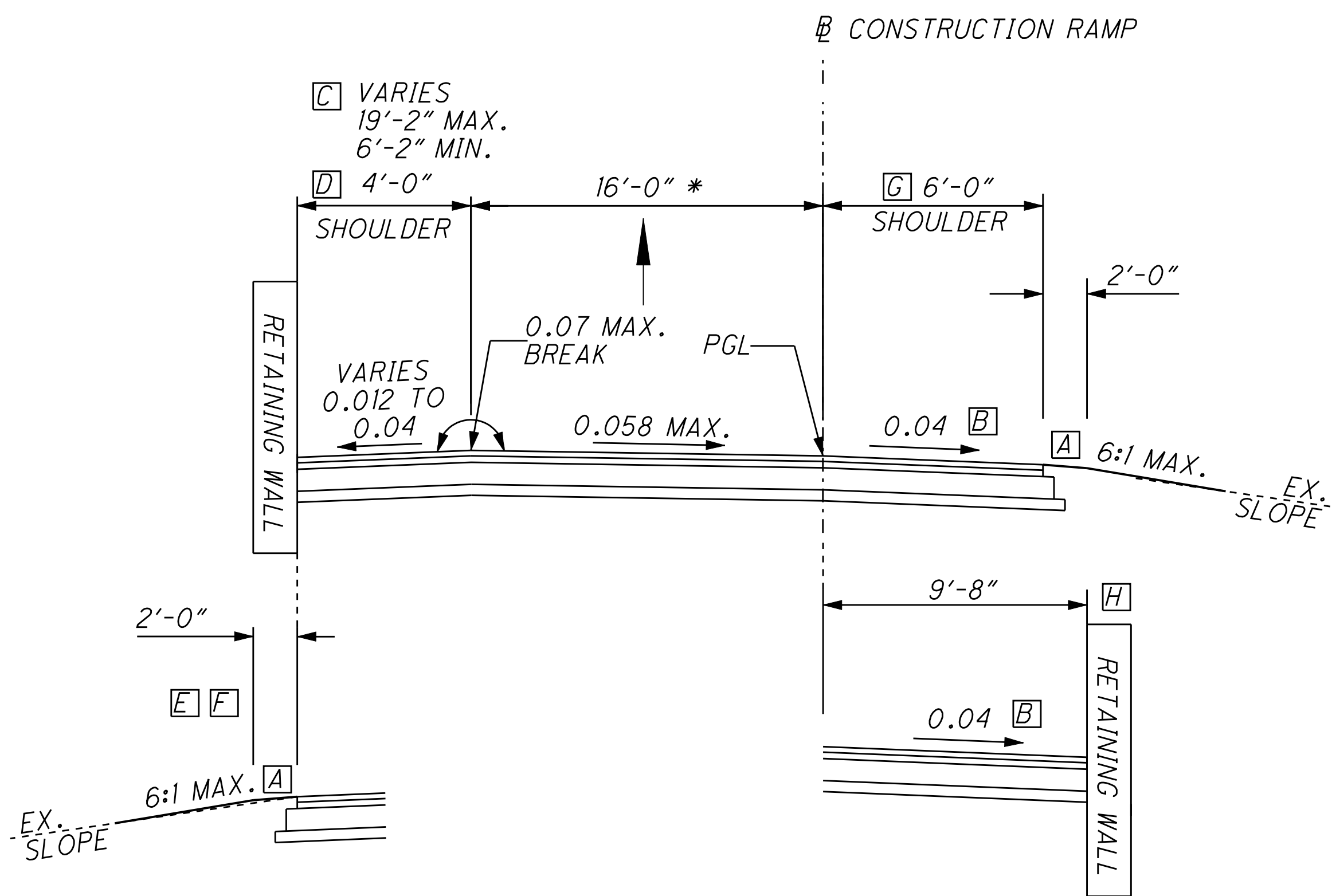


**E** STA. 1201+98.33 TO STA. 1204+08.73



**SUPERELEVATED RAMP SECTION**  
SECTION APPLIES:  
RAMP B2 - STA. 1204+08.73 TO STA. 1206+35.76 = 227.03 LIN. FT.

- [A] 0.08 SLOPE
- [B] OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- [C] STA. 1312+94.10 TO STA. 1316+75.33
- [D] STA. 1316+75.33 TO STA. 1322+63.52
- [E] STA. 1316+75.33 TO STA. 1317+01.67
- [F] STA. 1320+22.88 TO STA. 1322+63.52
- [G] STA. 1313+82.54 TO STA. 1322+63.52
- [H] STA. 1312+94.10 TO STA. 1313+82.54

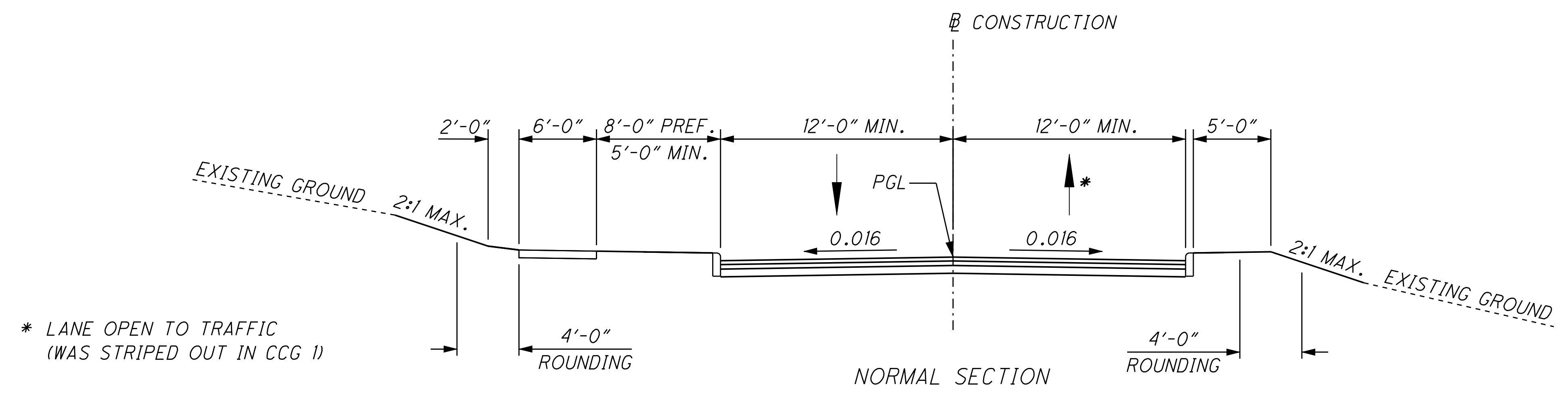


**SUPERELEVATED RAMP SECTION**

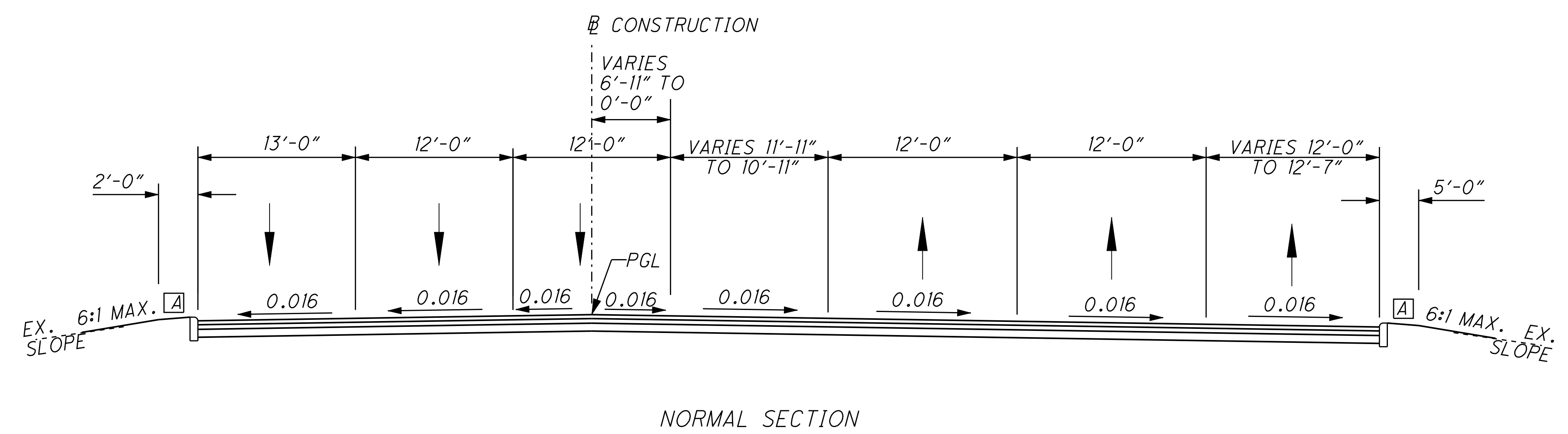
SECTION APPLIES:

RAMP B3 - STA. 1312+94.10 TO STA. 1322+63.52 = 969.42 LIN. FT.

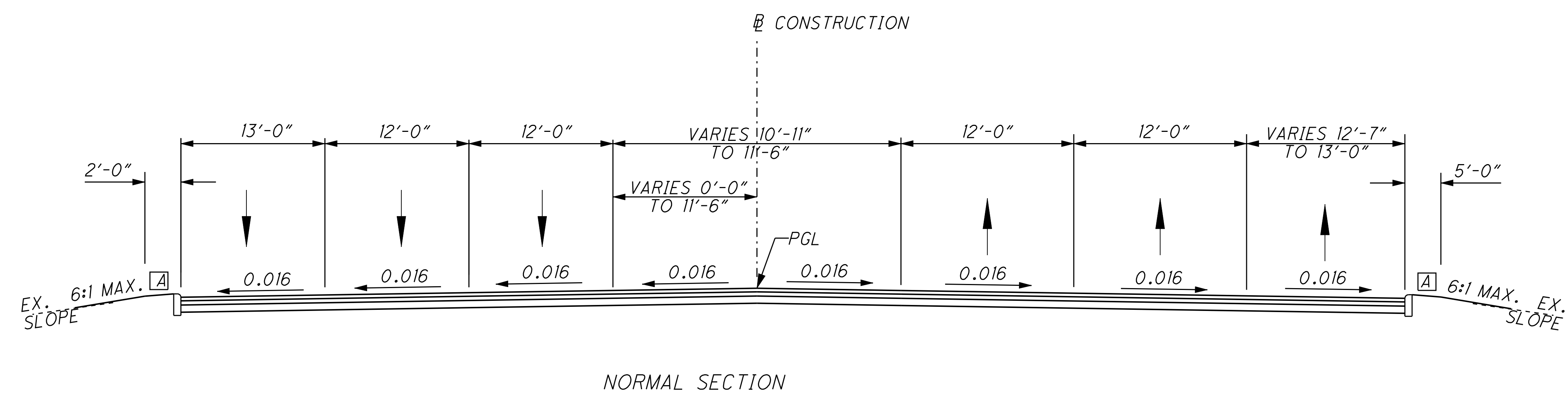
\* WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME ONE.



SECTION APPLIES: WEST 14TH EXTENSION - STA. 102+00.65 TO STA. 105+61.28 = 360.63 LIN. FT.

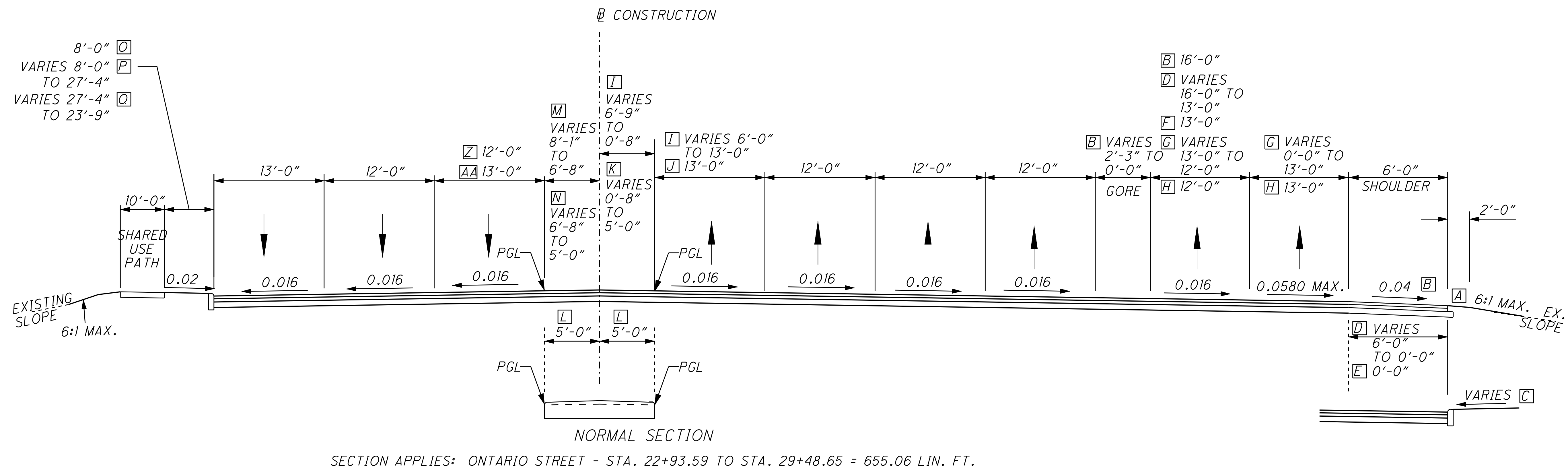
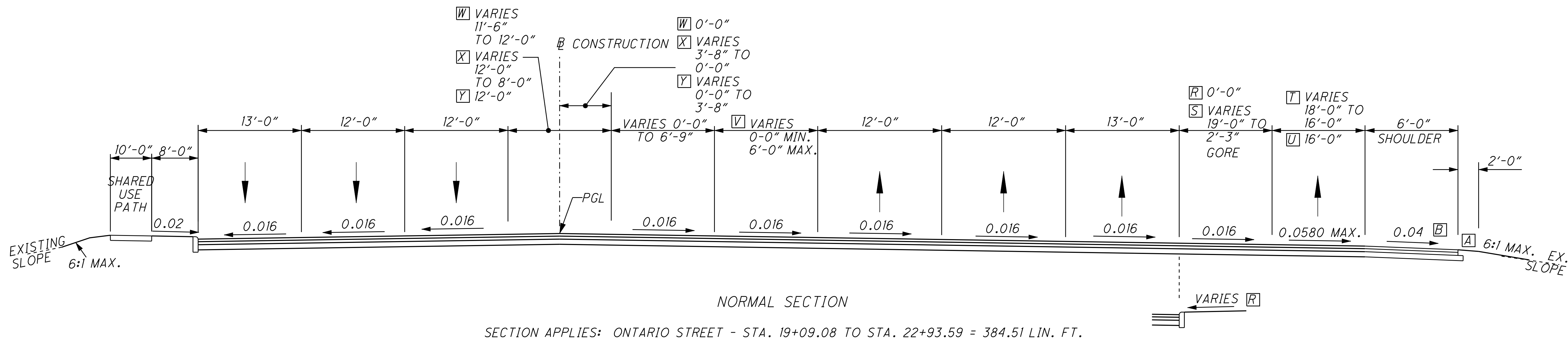


SECTION APPLIES: ONTARIO STREET - STA. 15+63.15 TO STA. 17+17.55 = 154.40 LIN. FT.



SECTION APPLIES: ONTARIO STREET - STA. 17+17.55 TO STA. 19+09.08 = 191.53 LIN. FT.

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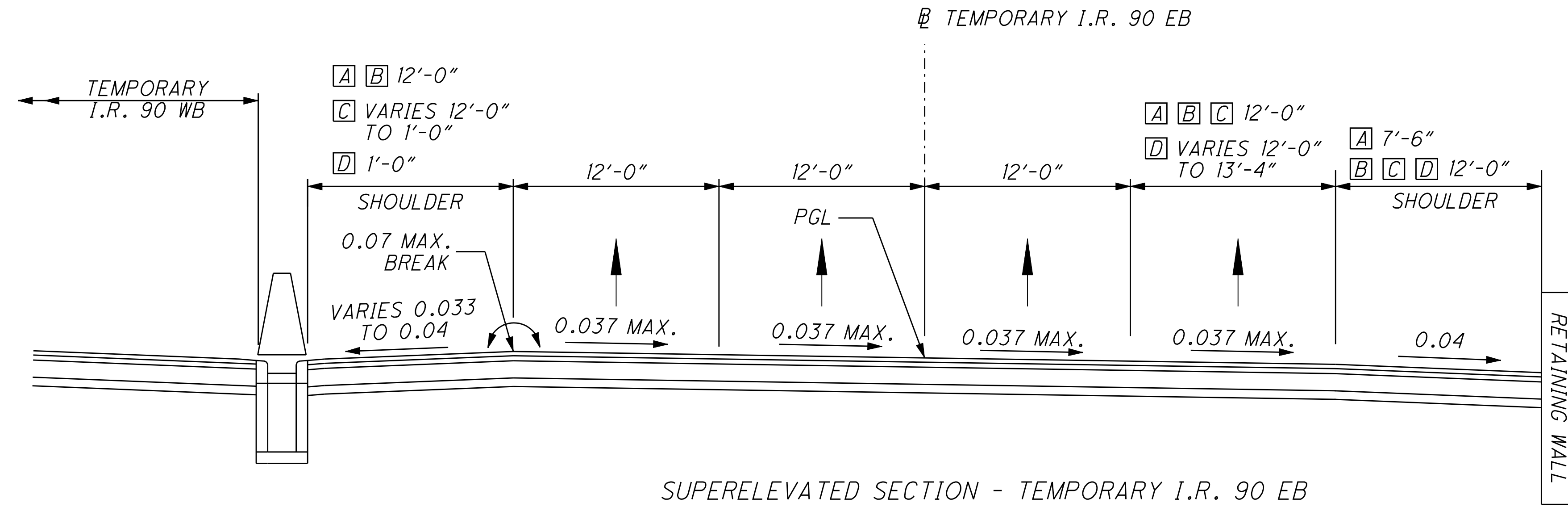
- [A] 0.08 SLOPE
- [B] STA. 22+93.59 TO STA. 23+45.22
- [C] STA. 23+45.22 TO STA. 29+48.65
- [D] STA. 23+45.22 TO STA. 24+69.57
- [E] STA. 24+69.57 TO STA. 29+48.65

- [F] STA. 24+69.57 TO STA. 25+91.18
- [G] STA. 25+91.18 TO STA. 26+41.18
- [H] STA. 26+41.18 TO STA. 29+48.65
- [I] STA. 22+93.59 TO STA. 23+20.01
- [J] STA. 23+20.01 TO STA. 29+48.65

- [K] STA. 23+20.01 TO STA. 24+51.10
- [L] STA. 24+51.10 TO STA. 29+48.65
- [M] STA. 22+93.59 TO STA. 23+24.76
- [N] STA. 23+24.76 TO STA. 24+51.10
- [O] STA. 22+93.59 TO STA. 24+22.13

- [P] STA. 24+22.13 TO STA. 26+99.04
- [Q] STA. 26+99.04 TO STA. 29+48.65
- [R] STA. 19+09.08 TO STA. 21+37.85
- [S] STA. 21+37.85 TO STA. 23+56.41
- [T] STA. 21+37.85 TO STA. 22+63.14

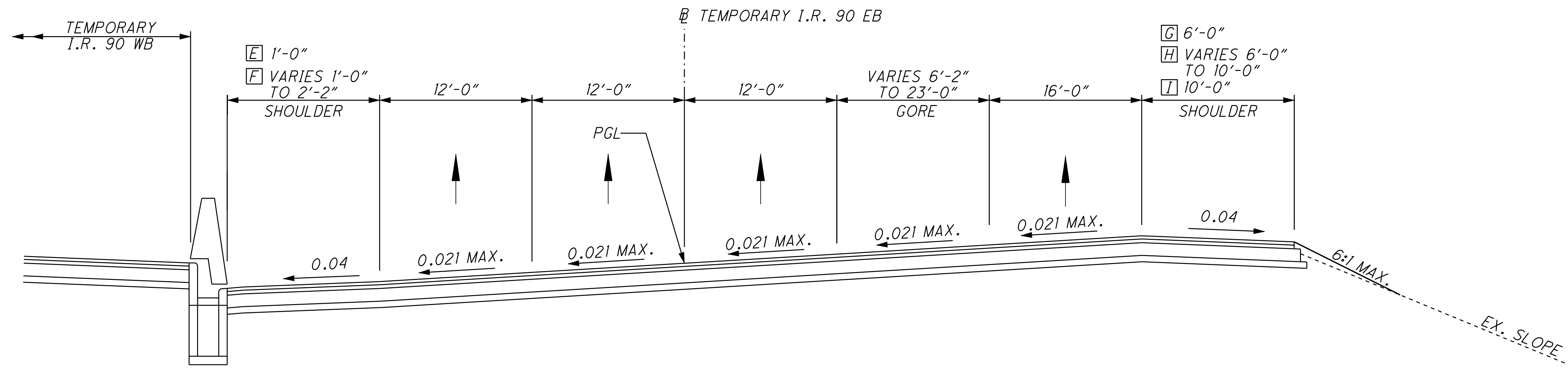
- [U] STA. 22+63.14 TO STA. 22+93.59
- [V] STA. 22+69.13 TO STA. 22+93.59
- [W] STA. 19+09.08 TO STA. 19+27.45
- [X] STA. 22+74.90 TO STA. 22+93.59
- [Y] STA. 19+27.45 TO STA. 22+74.90
- [Z] STA. 22+93.59 TO STA. 23+24.77
- [AA] STA. 23+24.77 TO STA. 29+48.65



SUPERELEVATED SECTION - TEMPORARY I.R. 90 EB

SECTION APPLIES: STA. 1902+73.20 TO STA. 1907+04.85 = 431.65 LIN. FT.

- A STA. 1902+73.20 TO STA. 1902+99.11
- B STA. 1902+99.11 TO STA. 1903+50.00
- C STA. 1903+50.00 TO STA. 1906+26.32
- D STA. 1906+26.32 TO STA. 1907+04.85



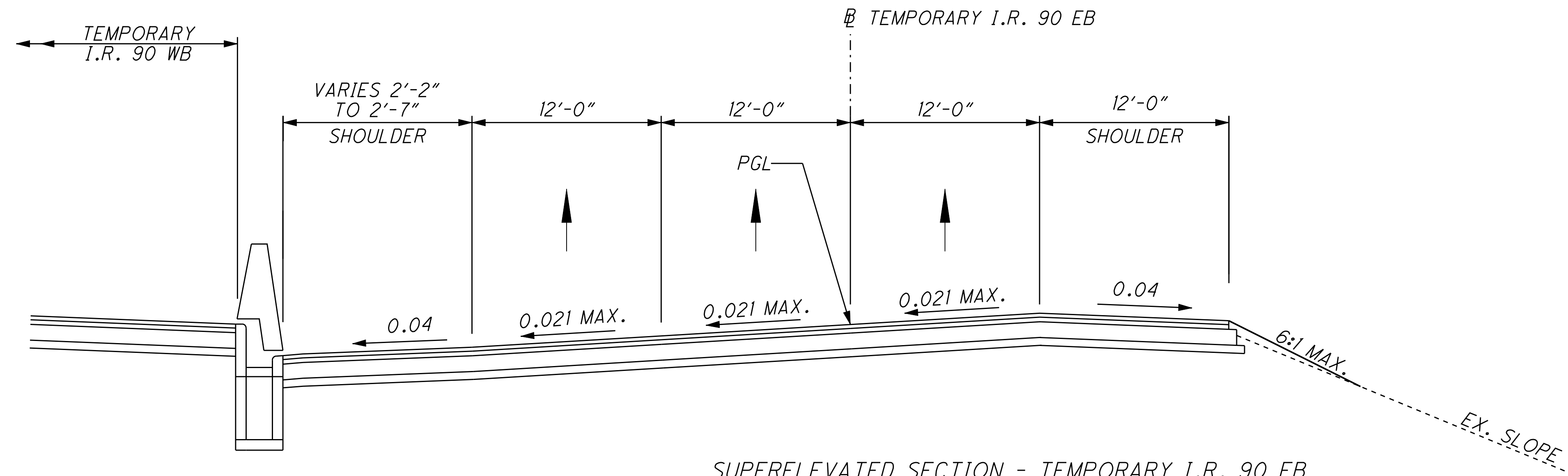
SUPERELEVATED SECTION - TEMPORARY I.R. 90 EB

SECTION APPLIES: STA. 1909+41.07 TO STA. 1910+94.04 = 152.97 LIN. FT.

- E STA. 1909+41.07 TO STA. 1909+87.83
- F STA. 1909+87.83 TO STA. 1910+94.04
- G STA. 1909+41.07 TO STA. 1909+83.93
- H STA. 1909+83.93 TO STA. 1910+68.11
- I STA. 1910+68.11 TO STA. 1910+94.04

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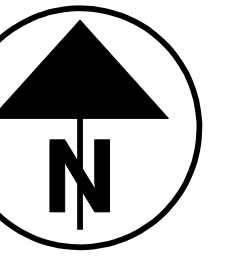
SUPERELEVATED SECTION - TEMPORARY I.R. 90 EB  
 SECTION APPLIES: STA. 1910+94.04 TO STA. 1911+29.31 = 35.27 LIN. FT.

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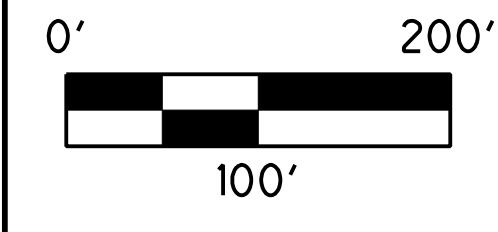
TYPICAL SECTIONS - CONTRACT GROUP 2  
 TEMPORARY I.R. 90 EB

CUY-90-14.90

4  
8

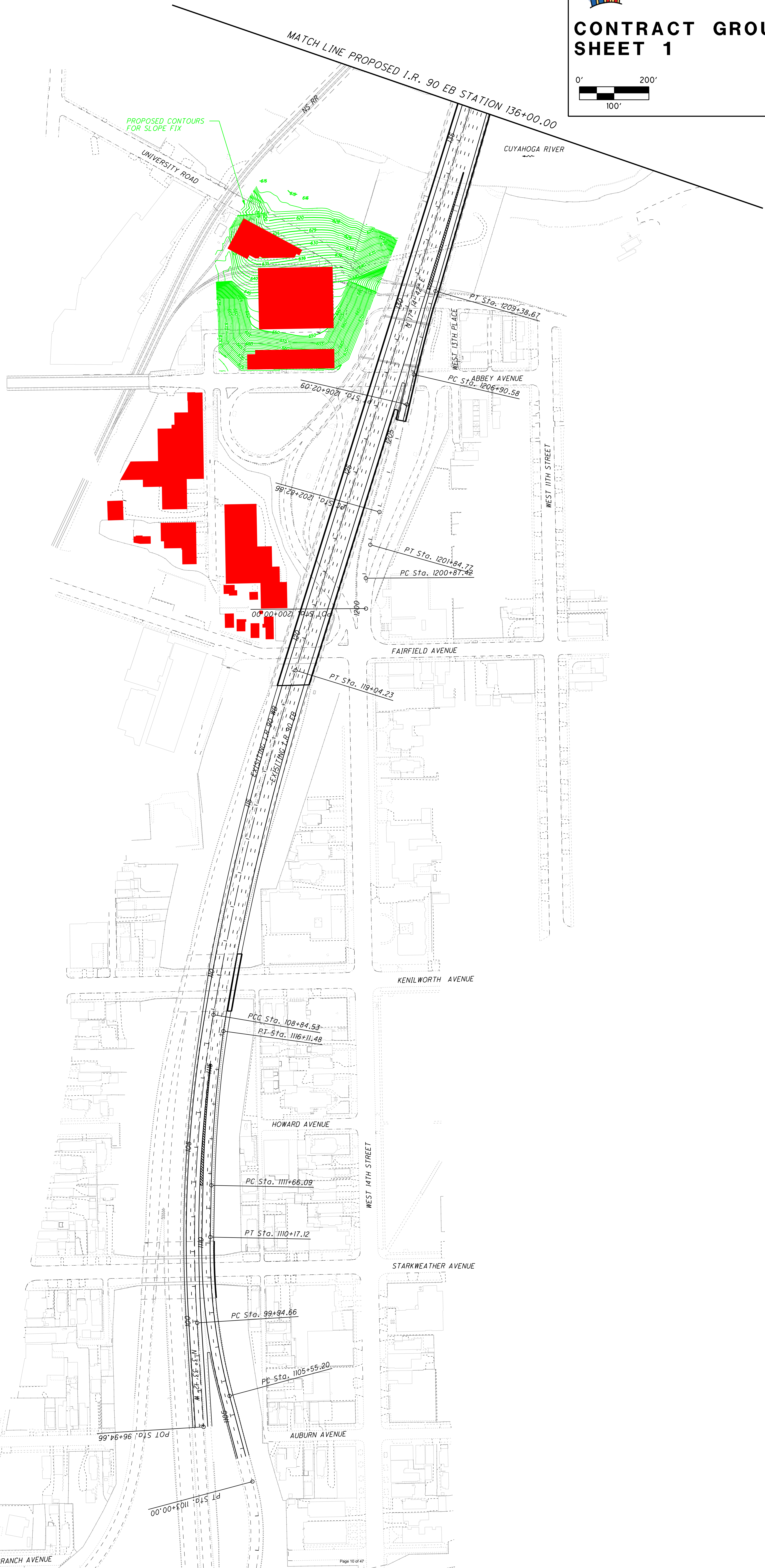


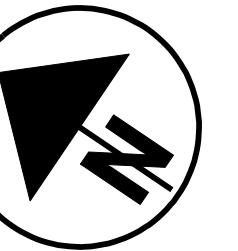
**CONTRACT GROUP 2 - SHEET 1**



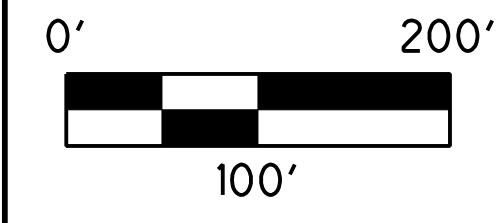
OCTOBER 30, 2009

**DRAFT**





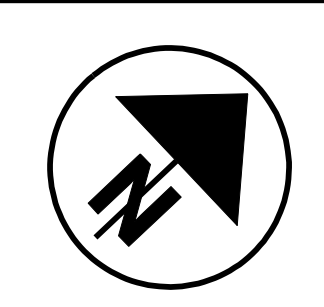
**CONTRACT GROUP 2 -  
SHEET 2**



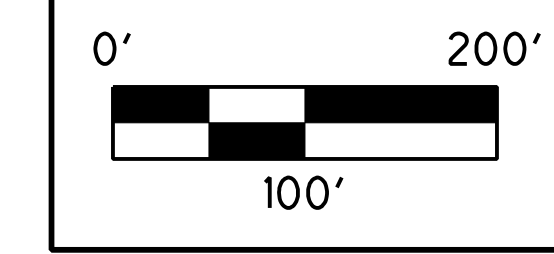
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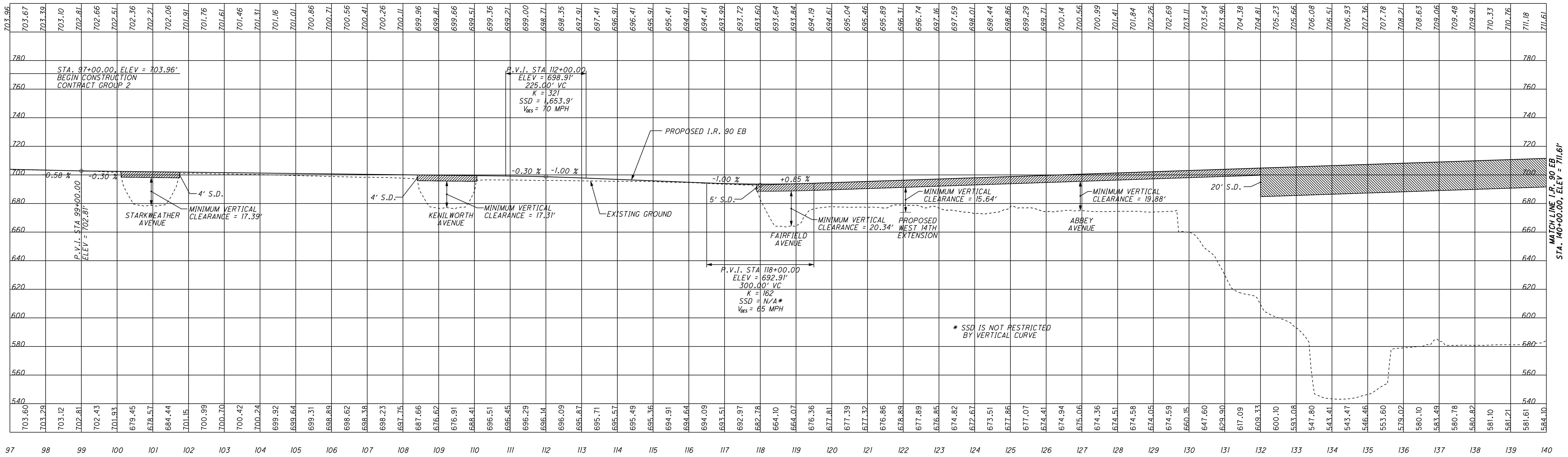
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SHEET 3**



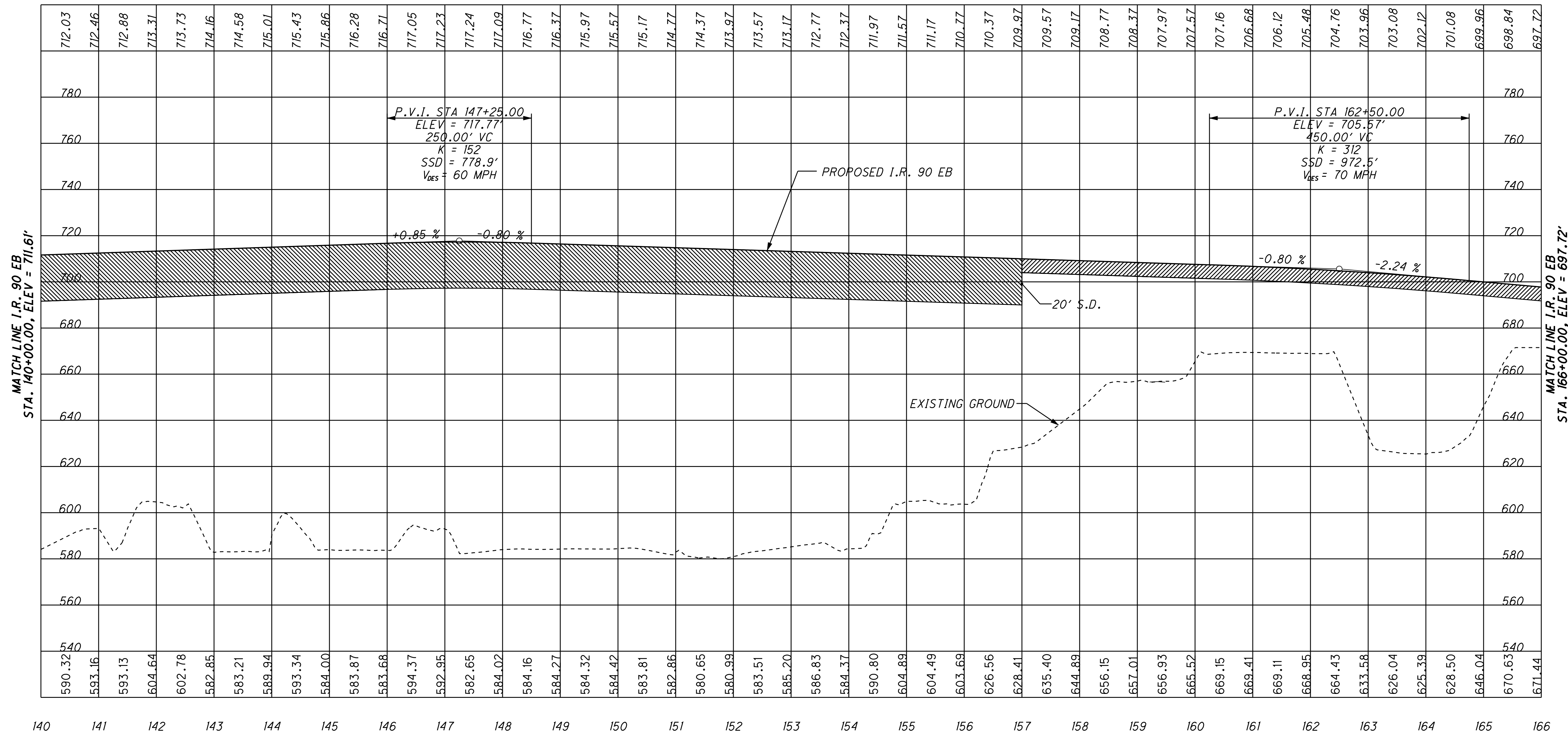
**OCTOBER 30, 2009**  
**DRAFT**



**PROPOSED I.R. 90 EB**



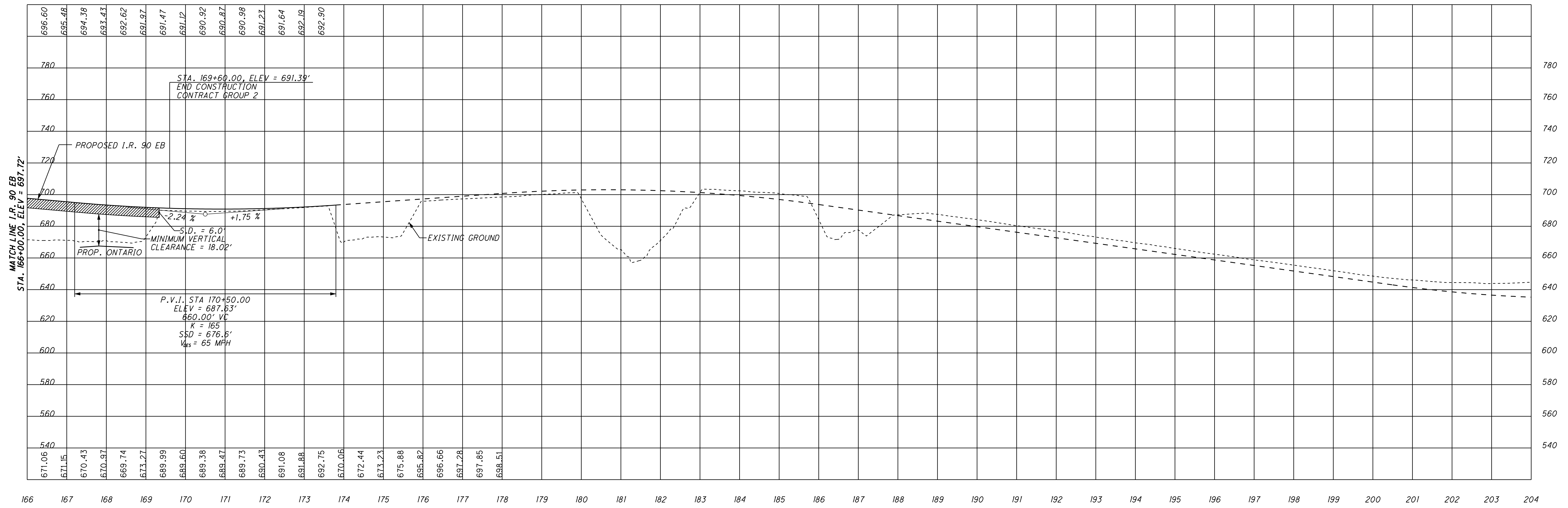
**PROPOSED I.R. 90 EB**



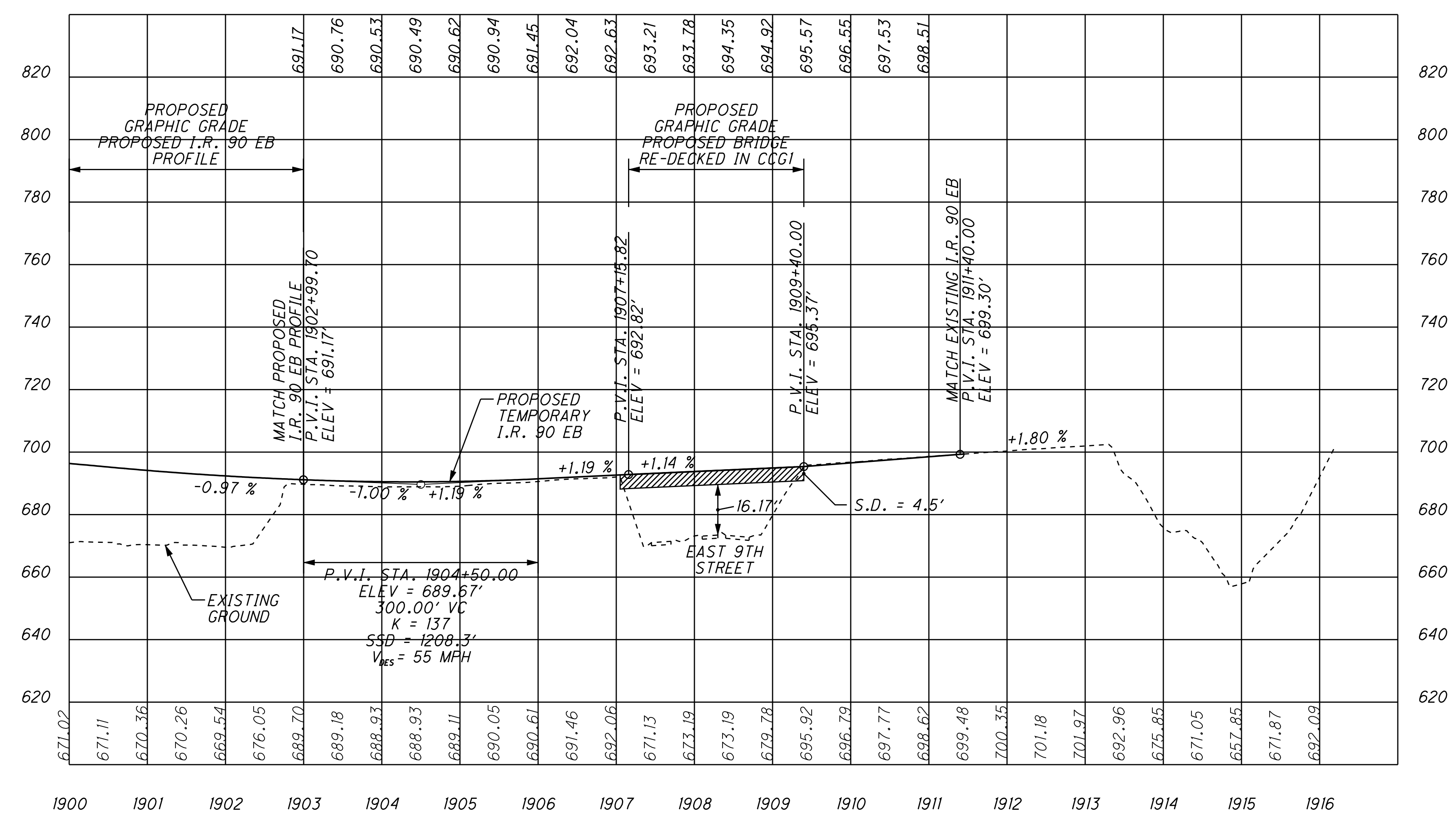
**CONSTRUCTION CONTRACT GROUP 2 PROFILES - SHEET 1**

**DECEMBER 23, 2009 DRAFT**

**PROPOSED I.R. 90 EB**



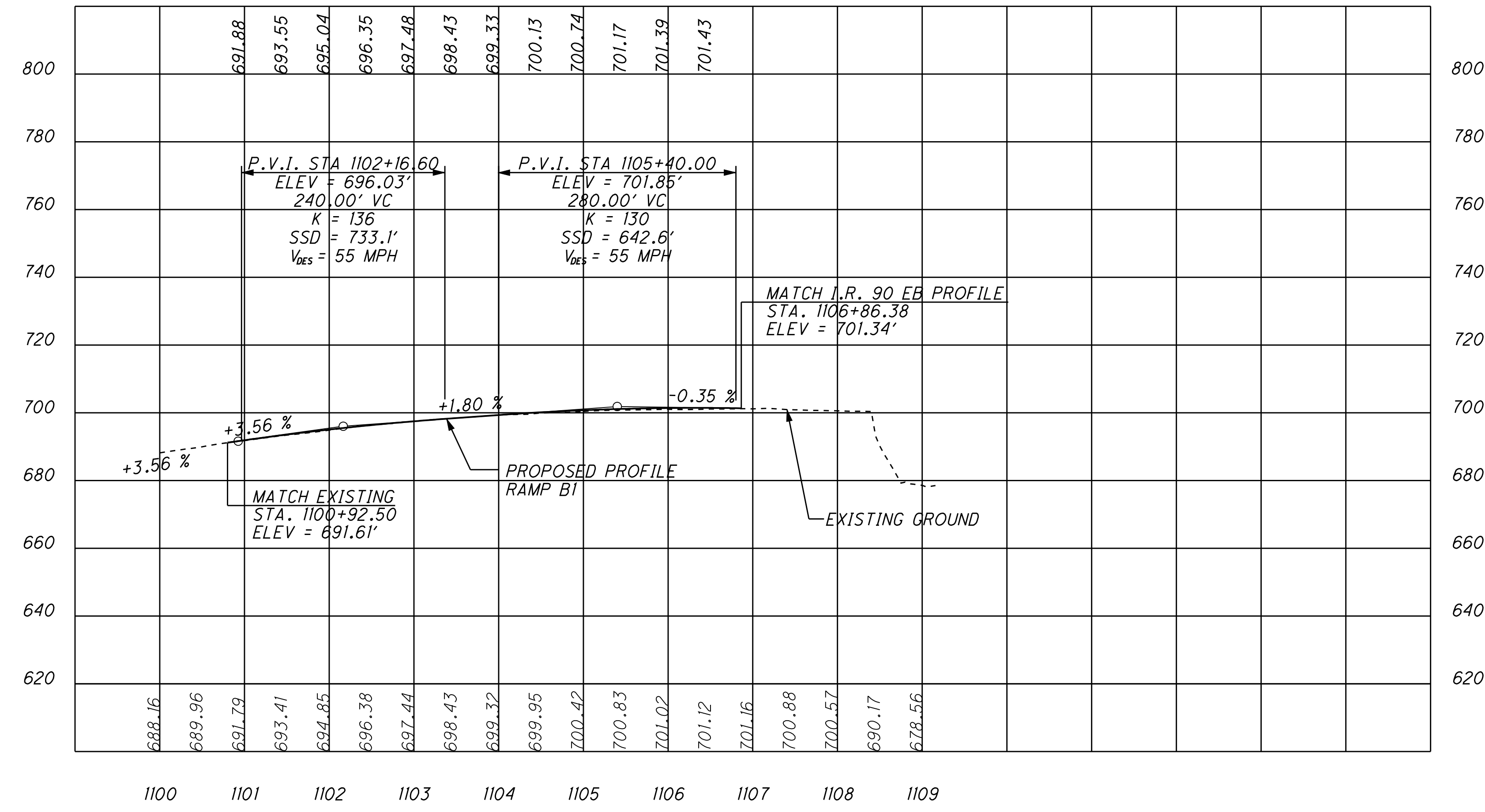
**TEMPORARY I.R. 90 EB**



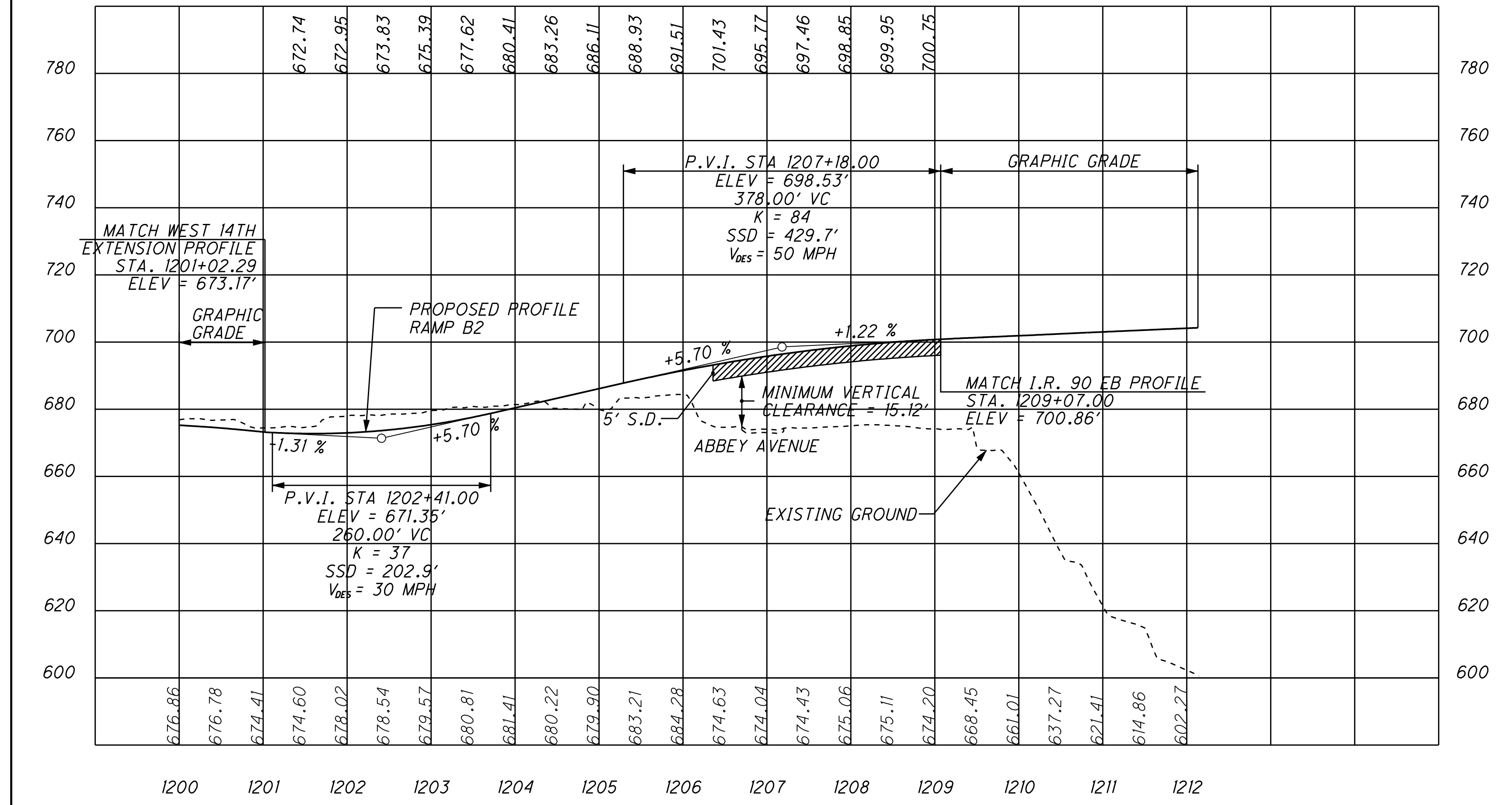
**CONSTRUCTION CONTRACT GROUP 2 PROFILES - SHEET 2**

DECEMBER 23, 2009  
DRAFT

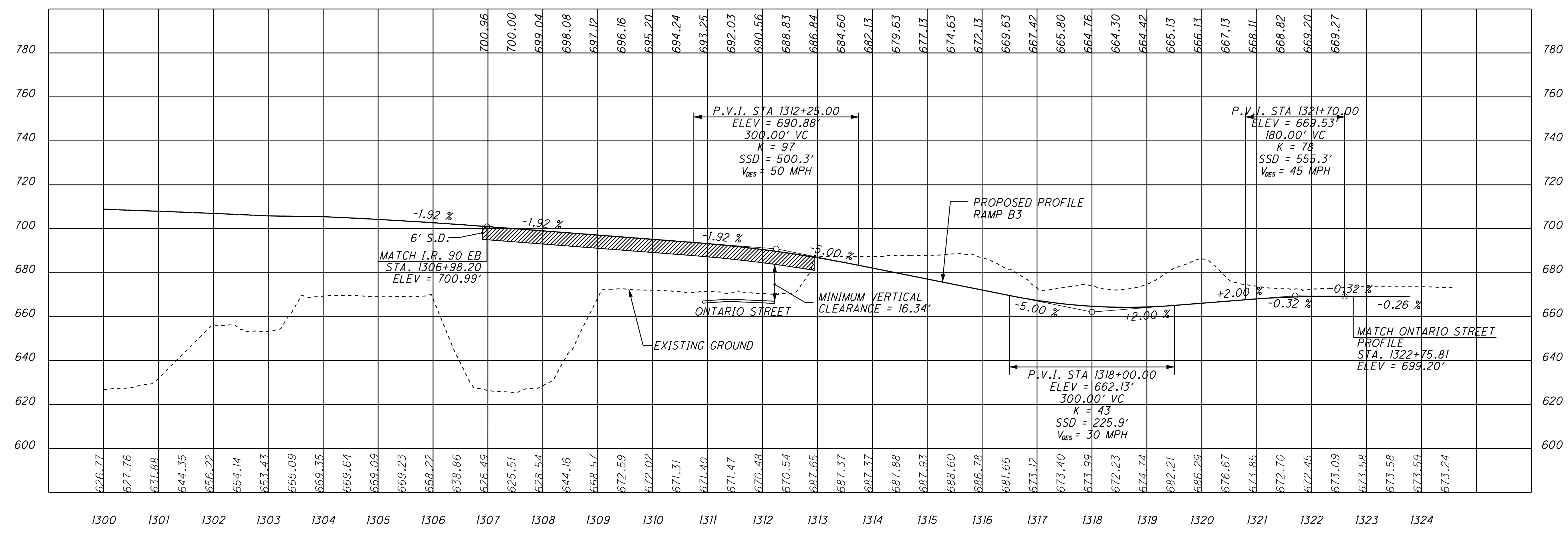
### RAMP B1



### RAMP B2



### RAMP B3

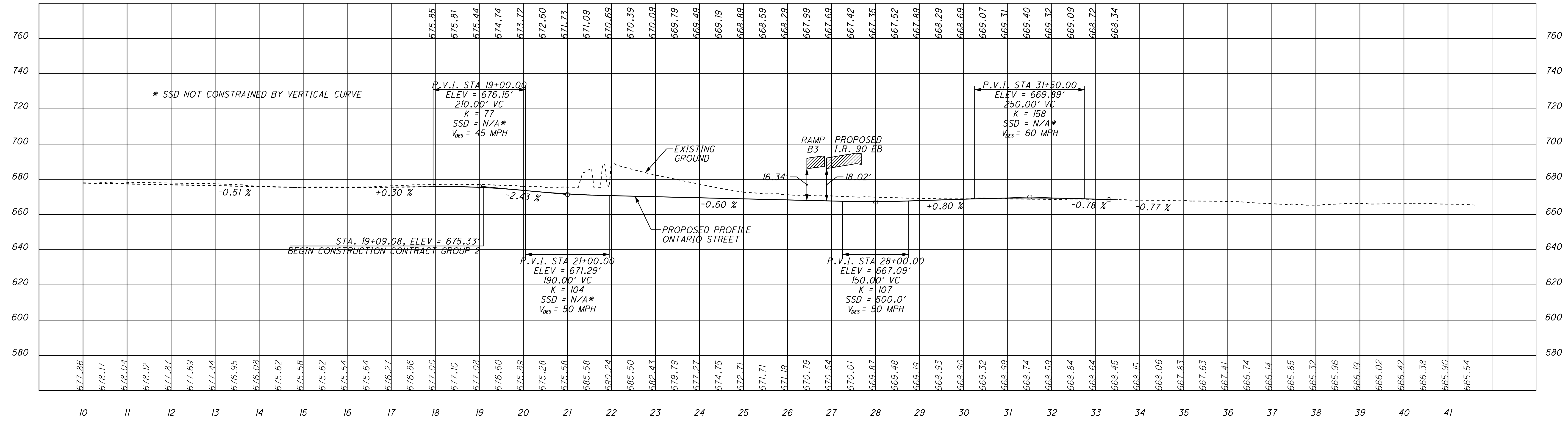


**CLEVELAND  
INNERBELT PLAN**  
OHIO DEPARTMENT OF TRANSPORTATION

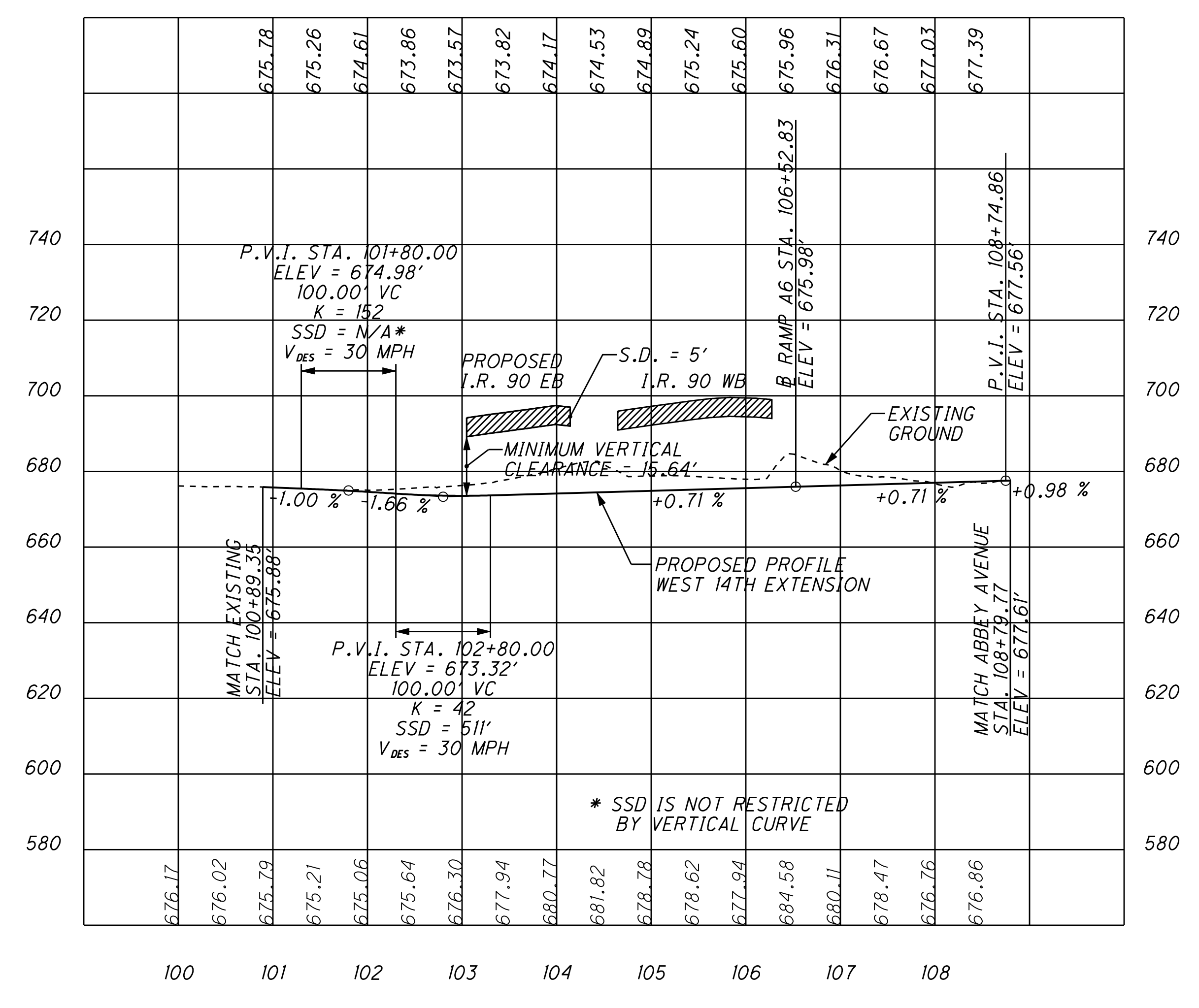
**CONSTRUCTION CONTRACT  
GROUP 2 PROFILES -  
SHEET 3**

**DECEMBER 23, 2009  
DRAFT**

# ONTARIO STREET



# WEST 14TH EXTENSION

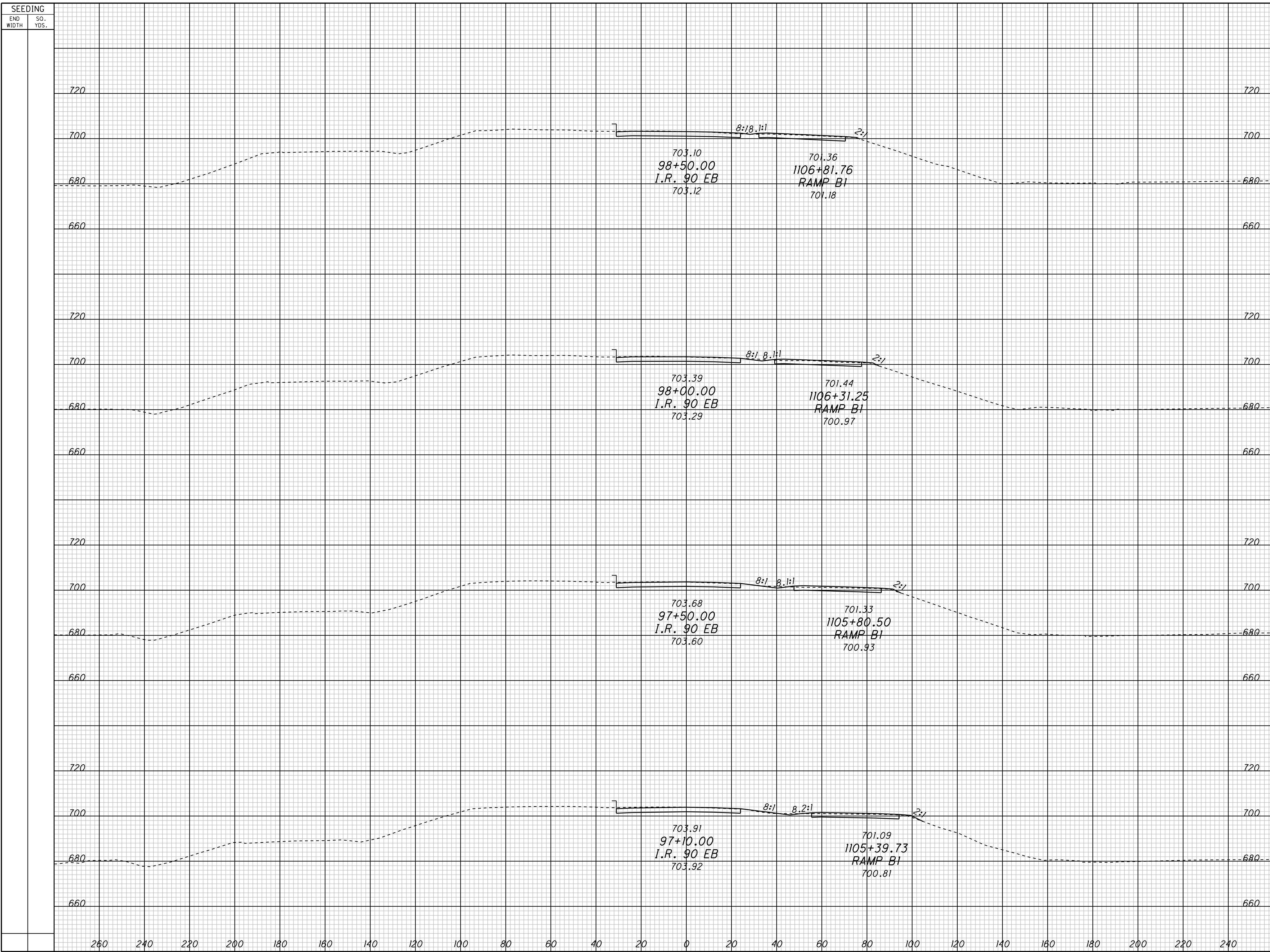


**CONSTRUCTION CONTRACT GROUP 2 PROFILES - SHEET 4**

DECEMBER 23, 2009  
DRAFT



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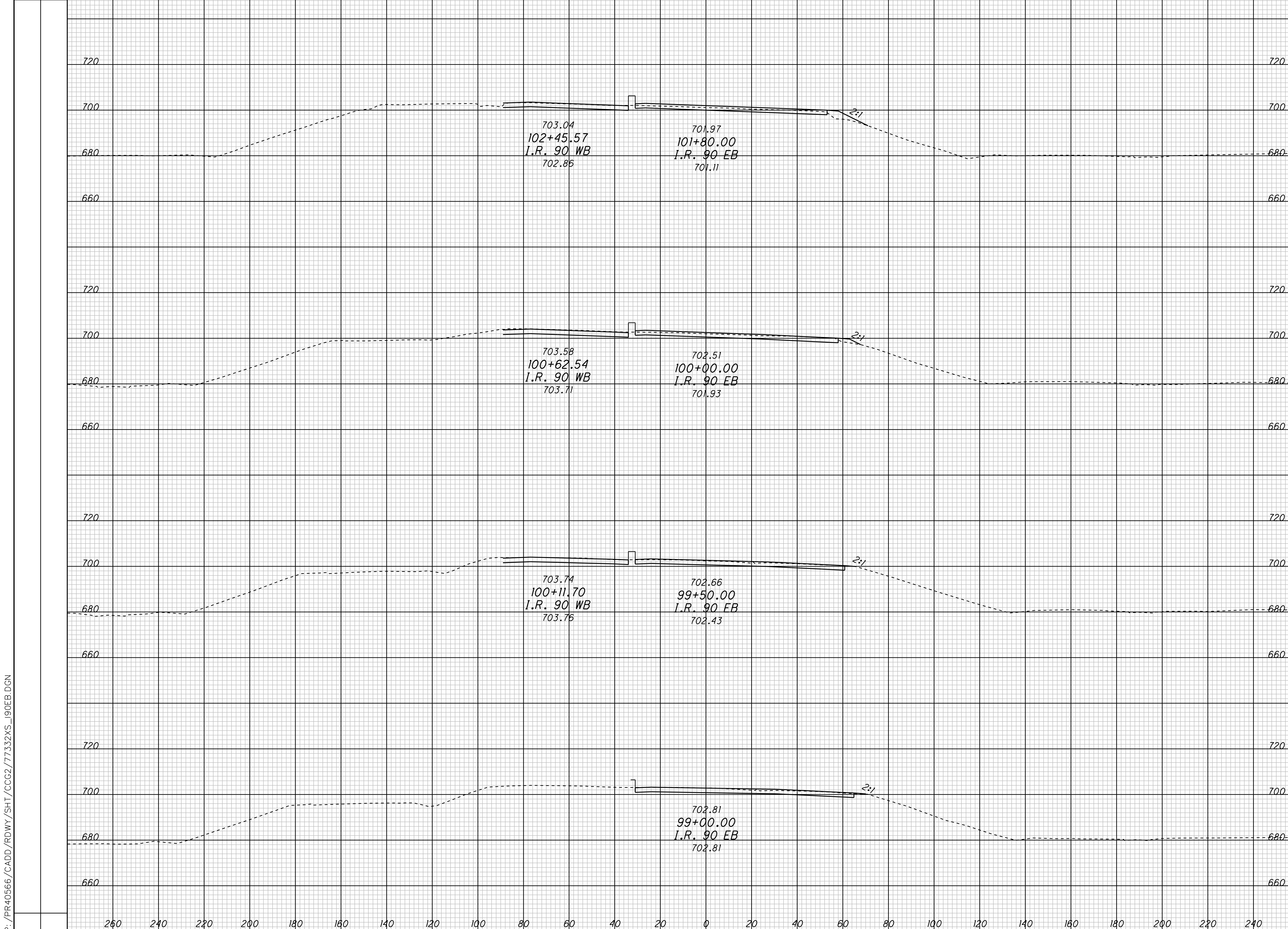
SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 2**  
**I.R. 90 EB**

**CUY-90-14.90**

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED CHECKED



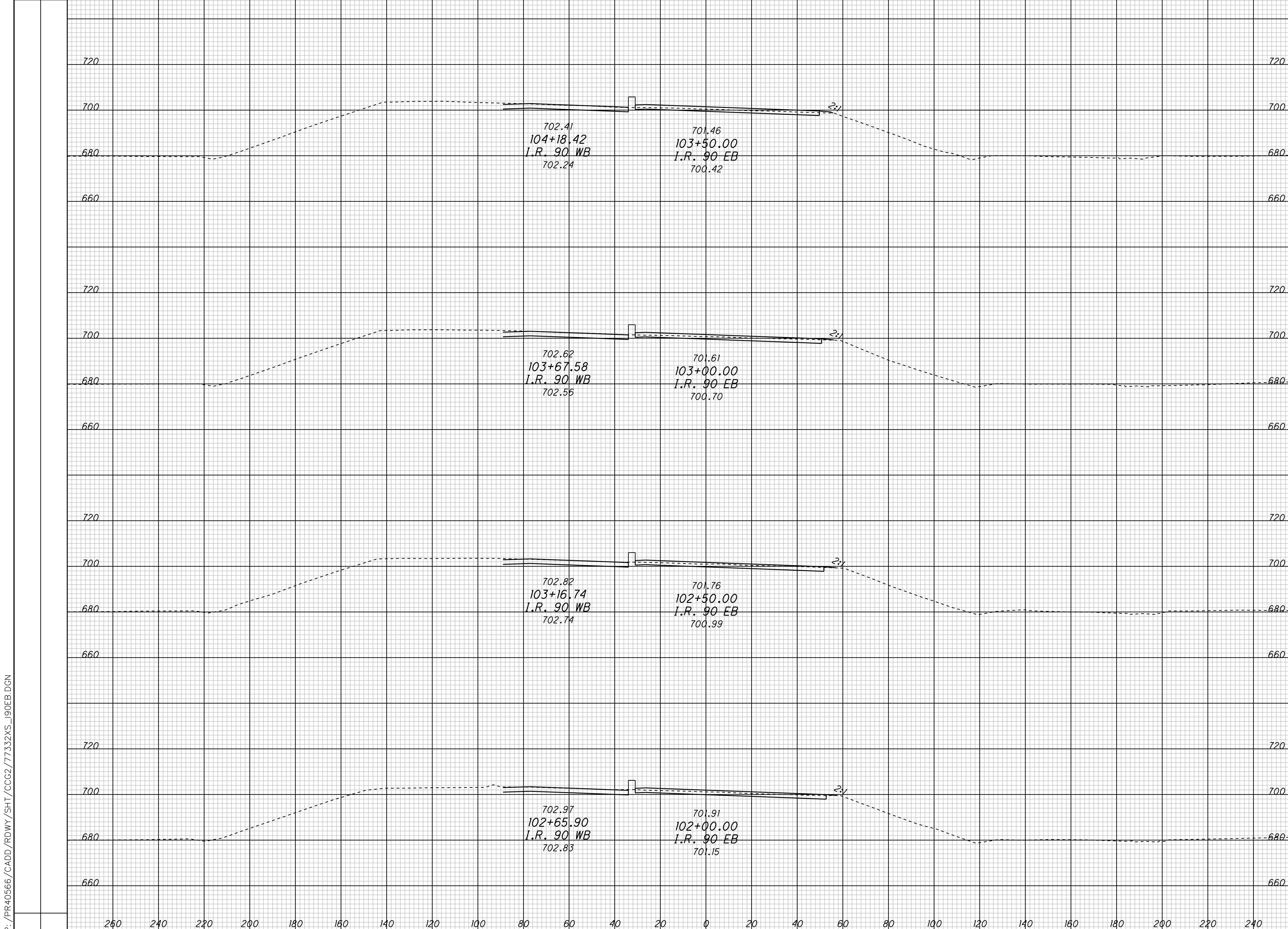
CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

2  
11

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED CHECKED

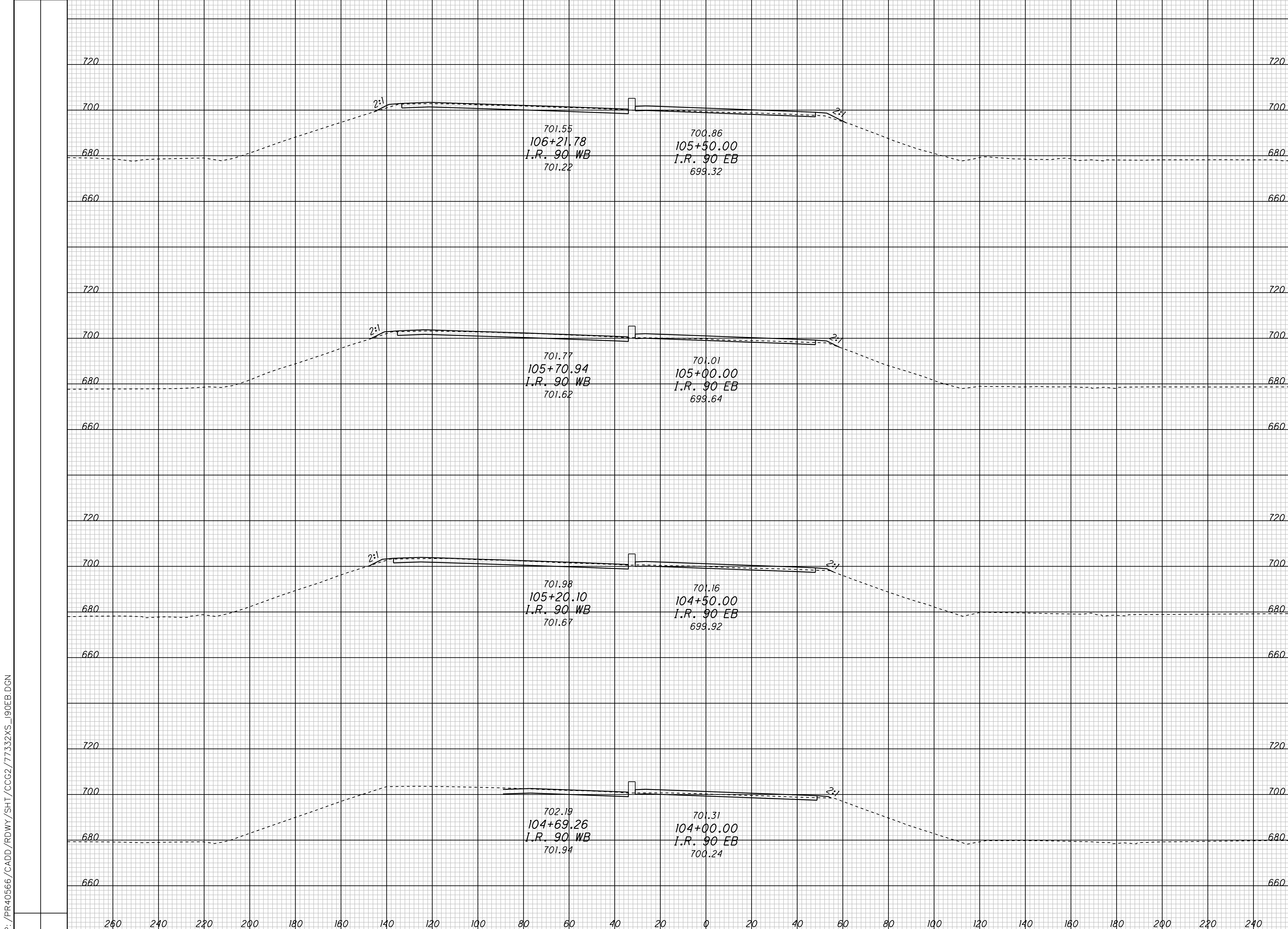


CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED CHECKED



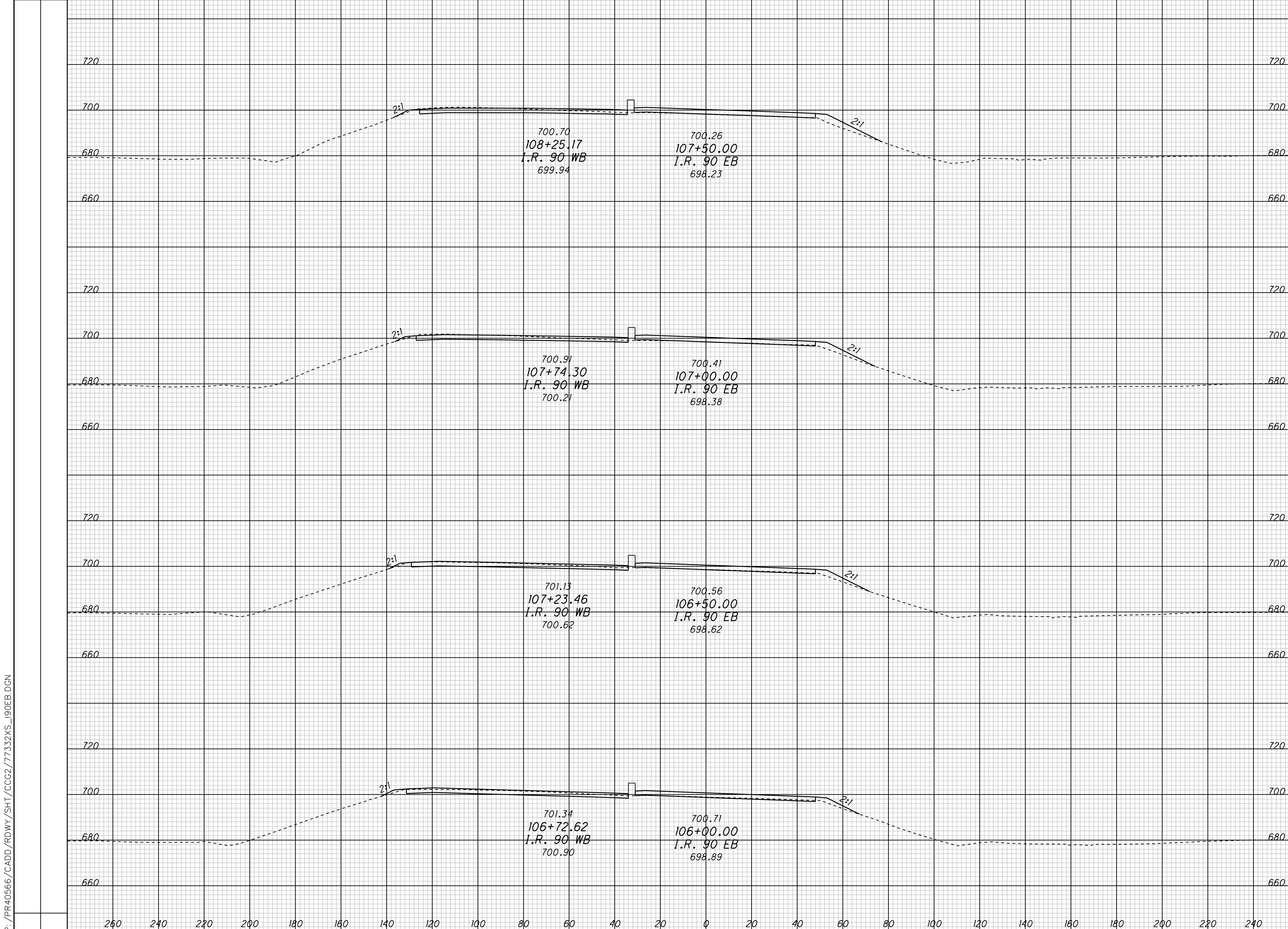
CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

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SEEDING  
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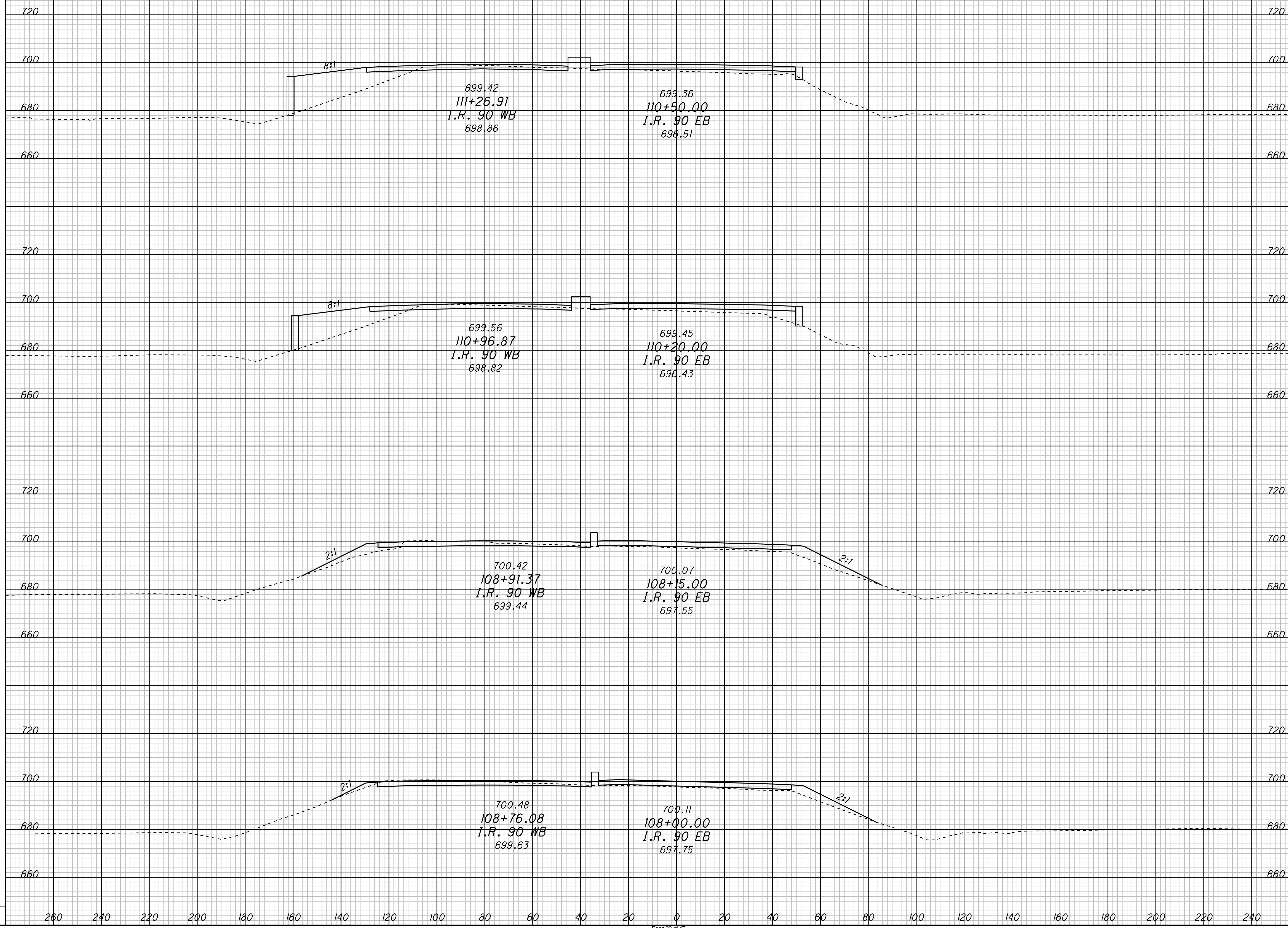


CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
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CALCULATED CHECKED



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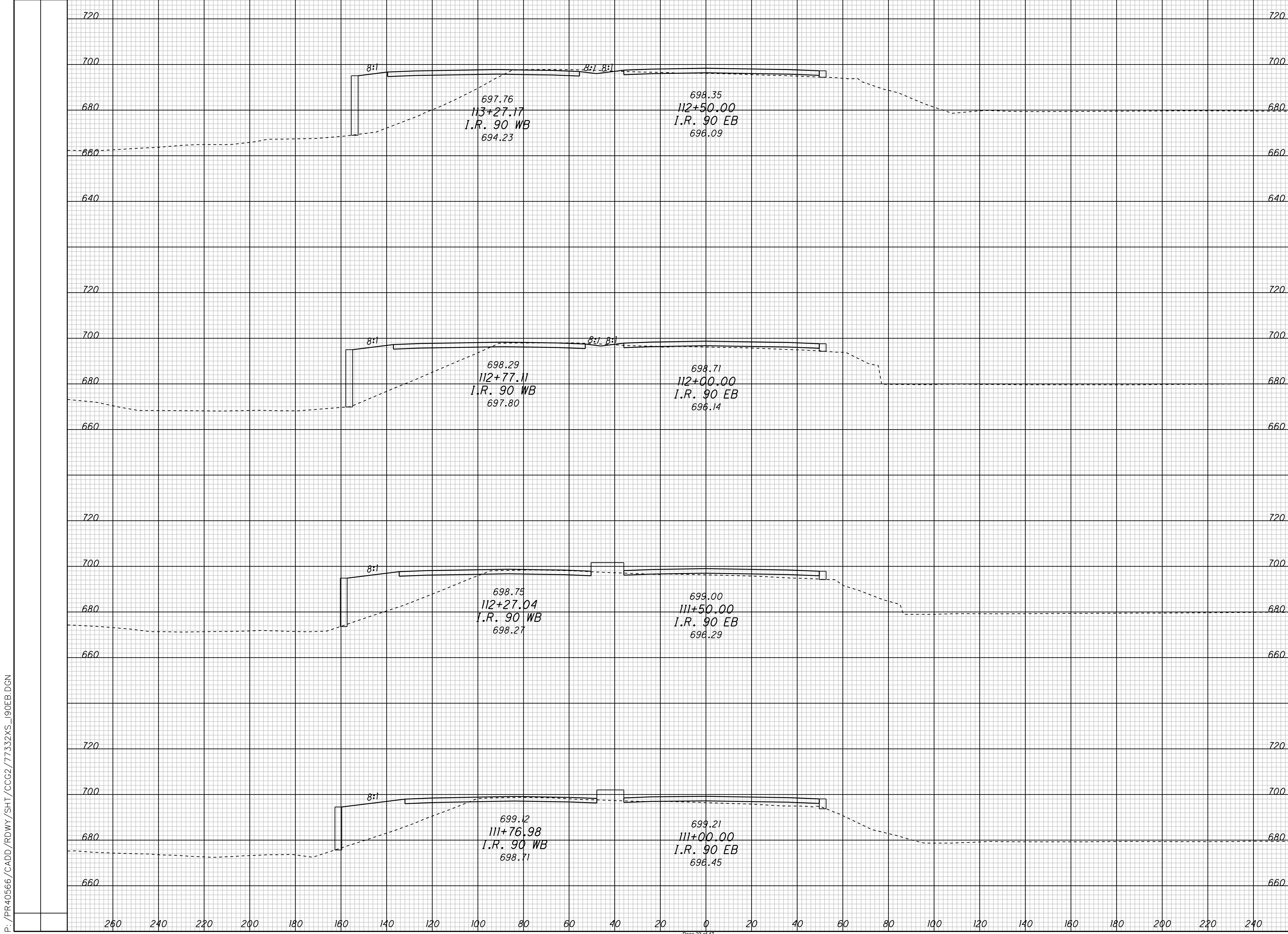
CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

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SEEDING  
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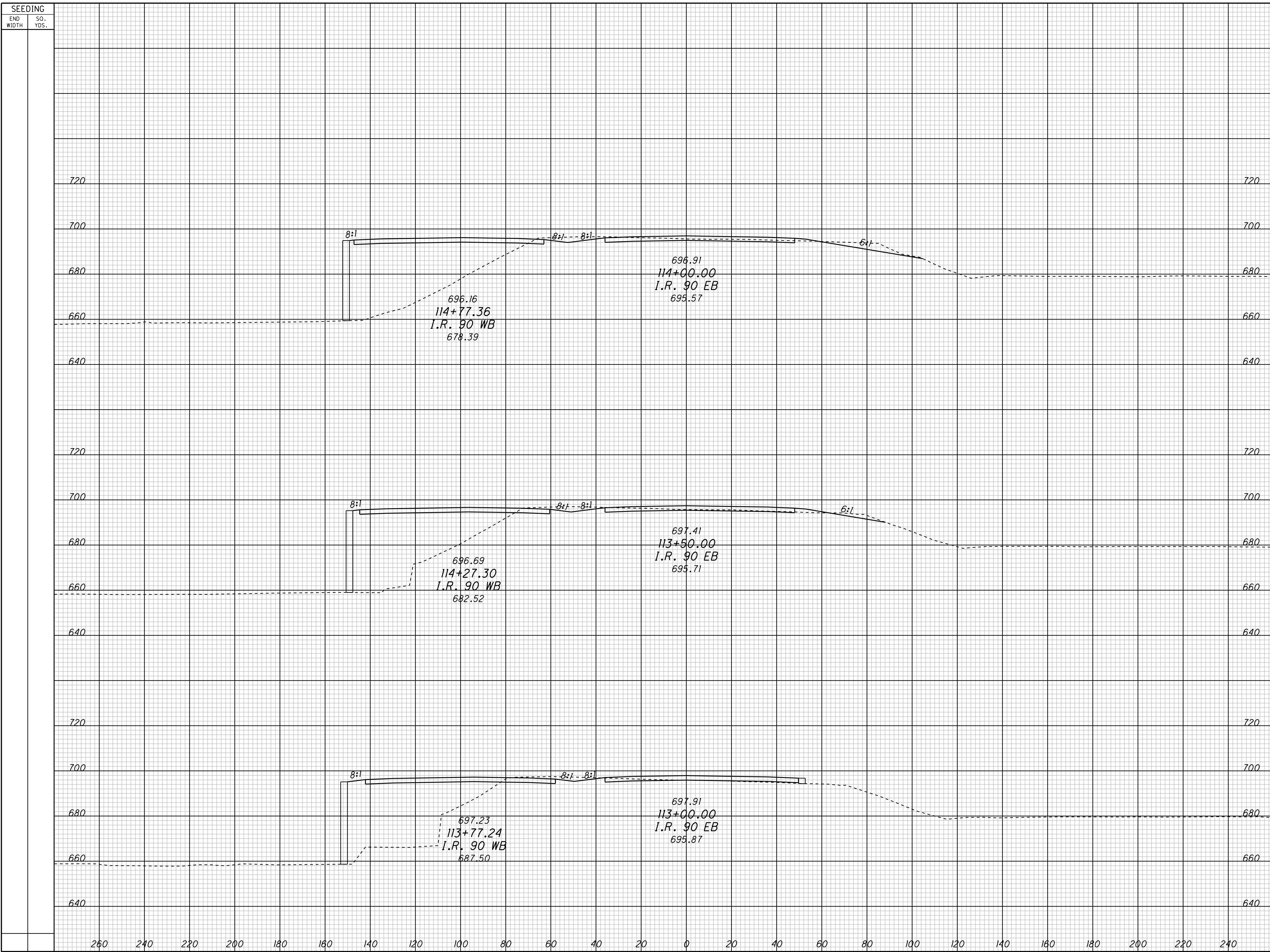


CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

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11

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SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 2**  
I.R. 90 EB

**CUY-90-14.90**

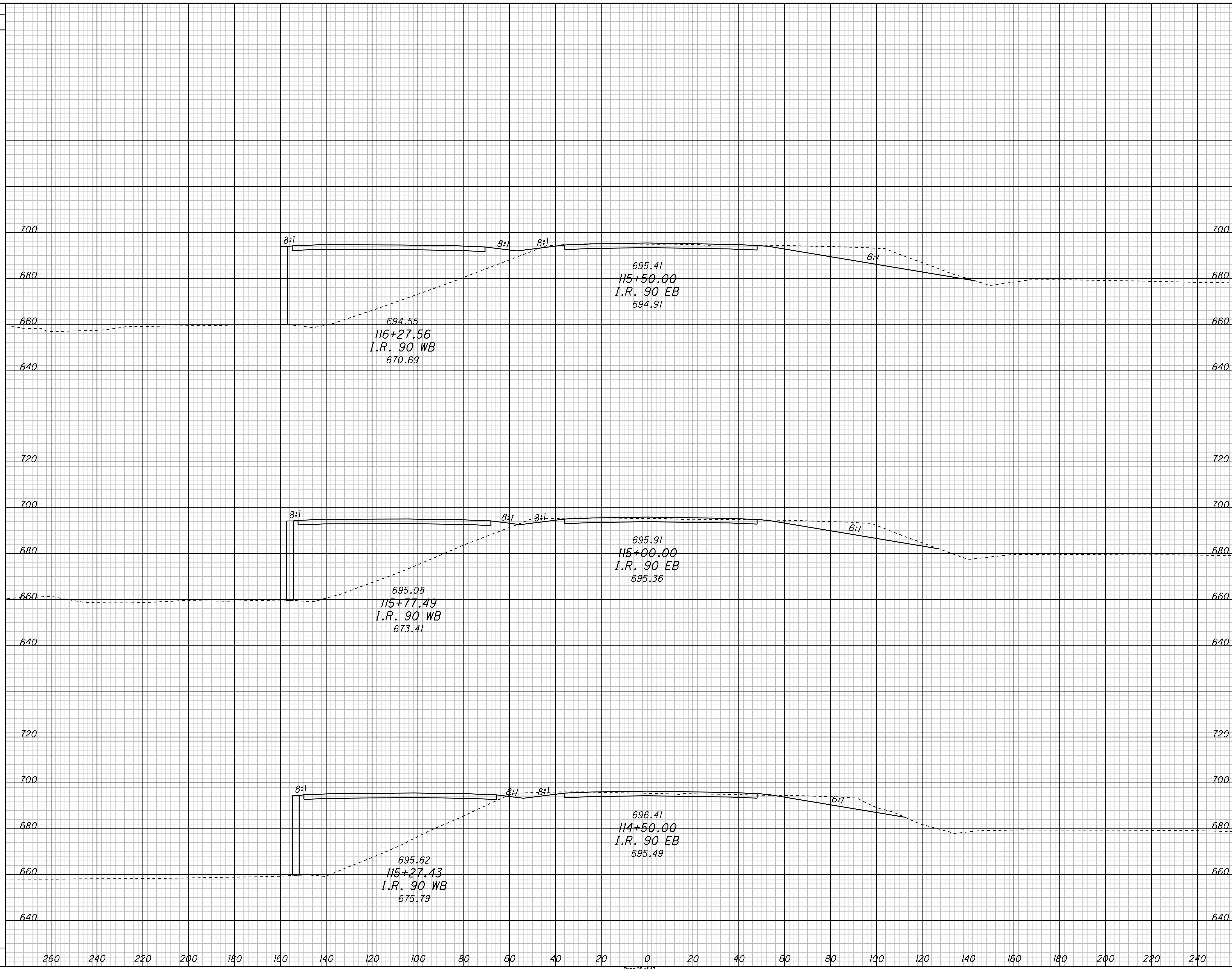
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SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
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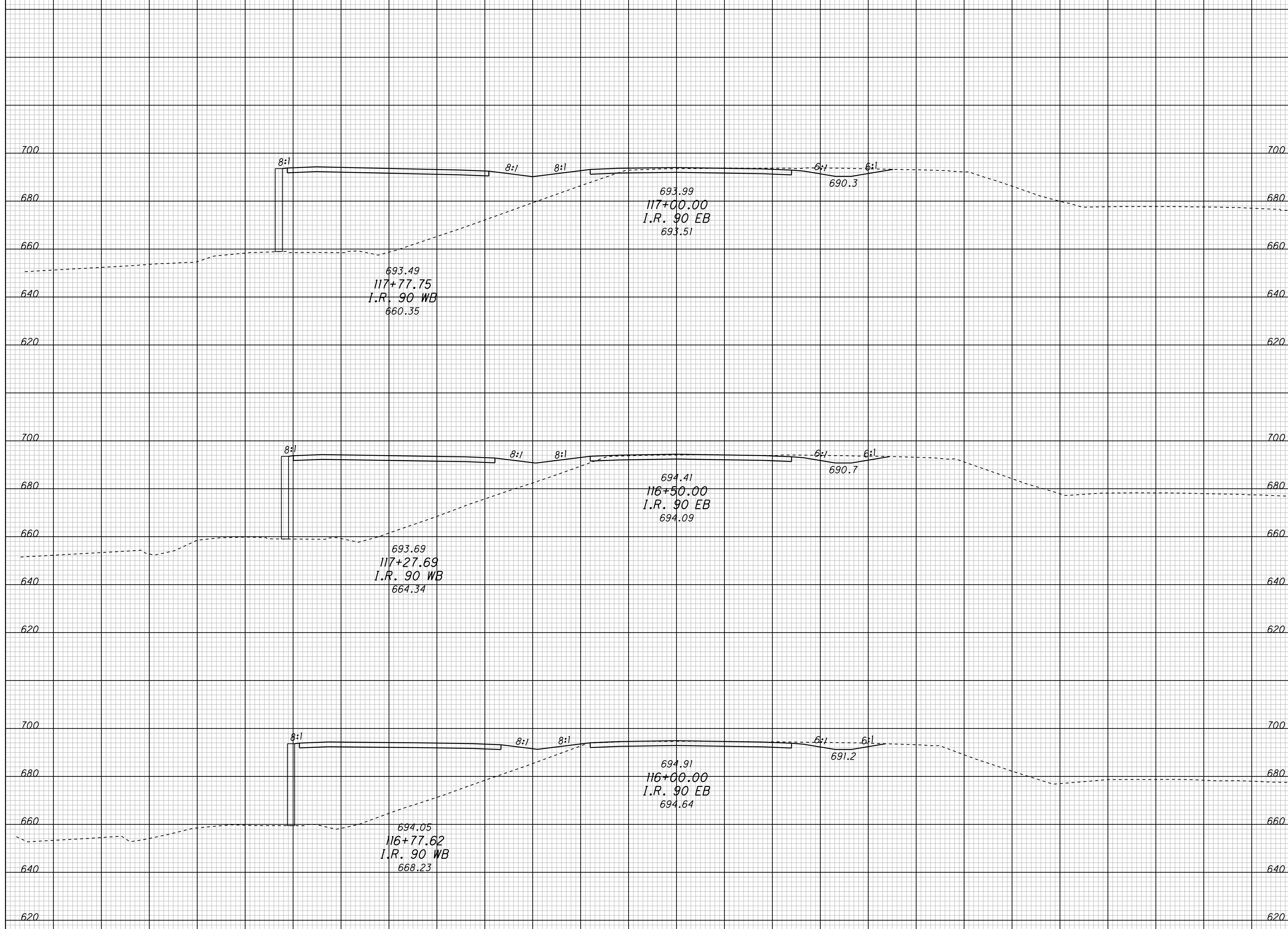
CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

9  
11

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
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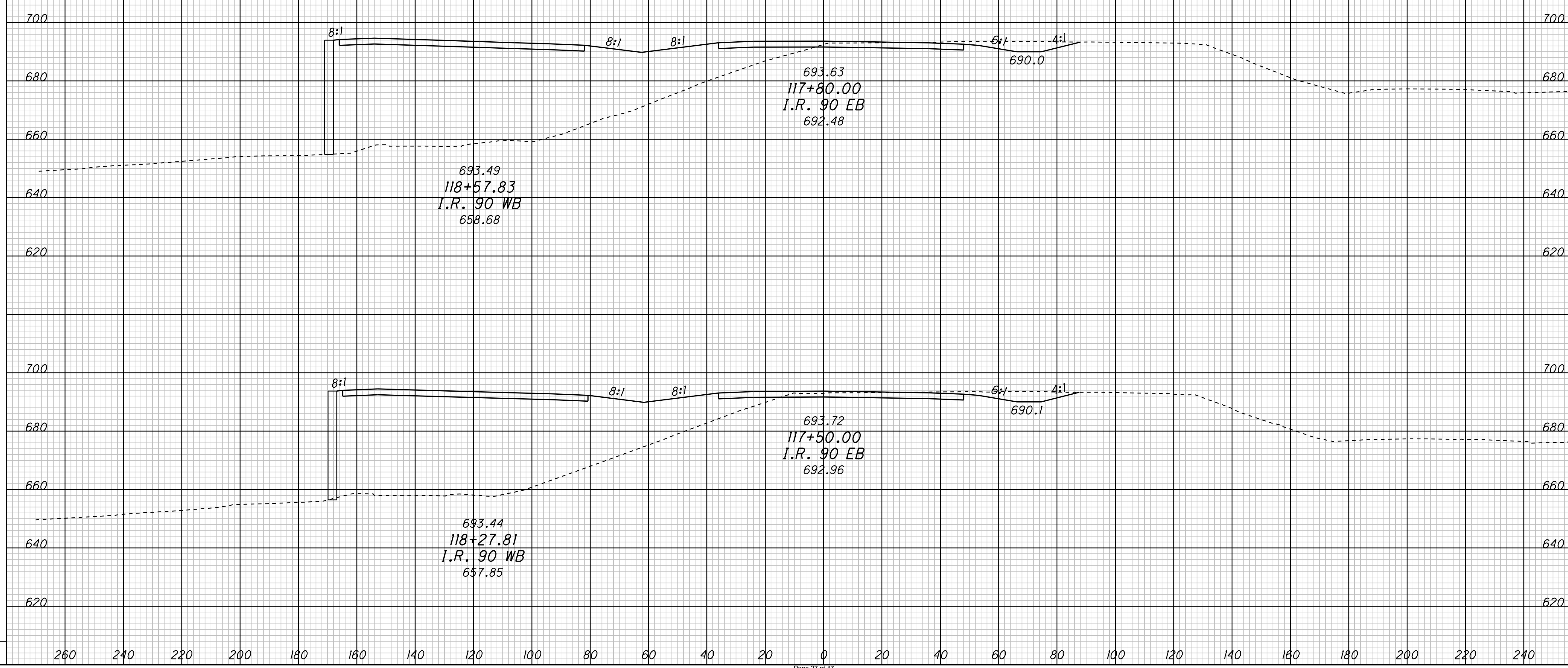
CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90

10  
11

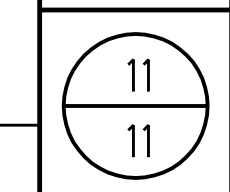
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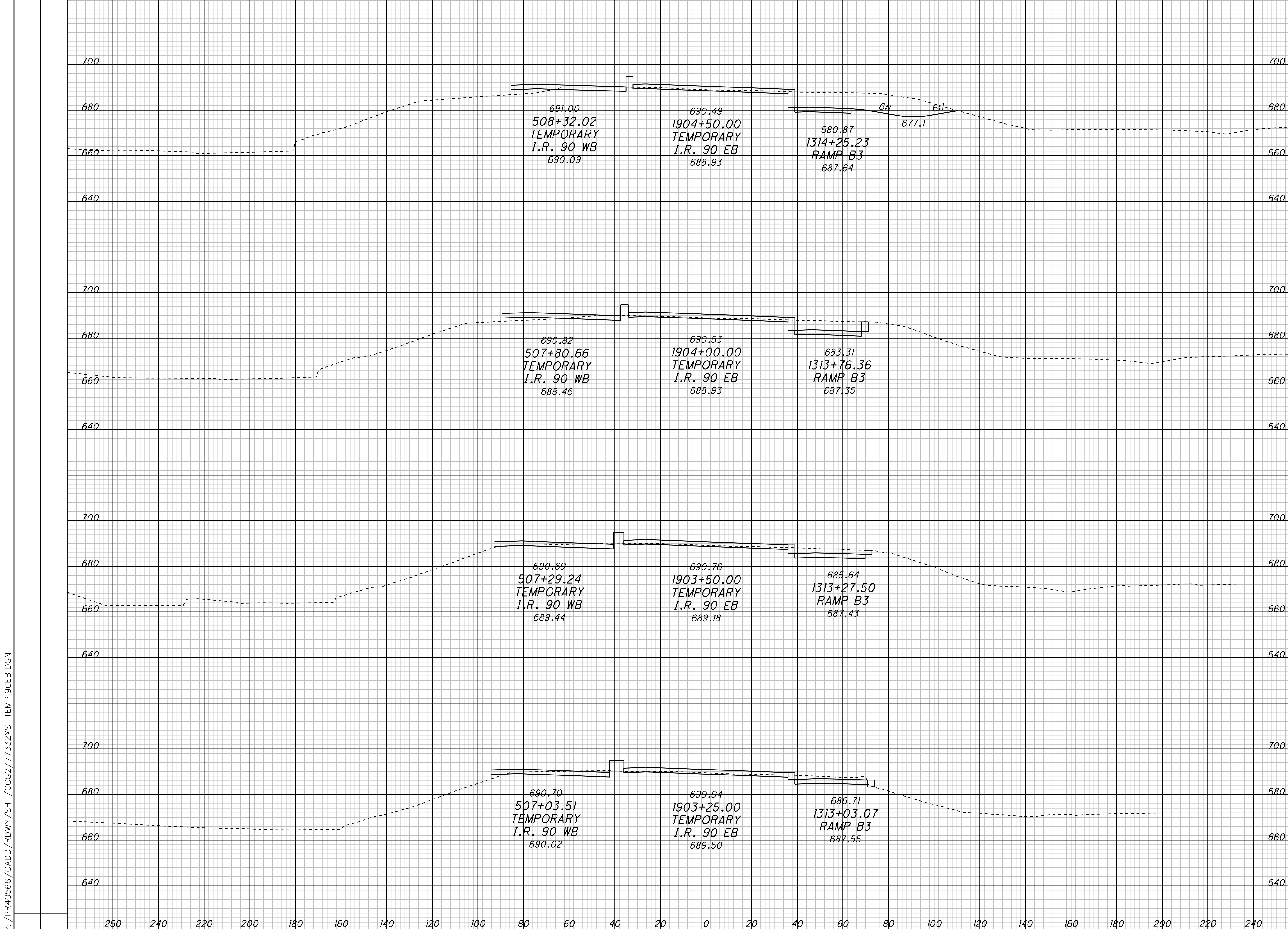
CROSS SECTIONS - CONTRACT GROUP 2  
I.R. 90 EB

CUY-90-14.90



SEEDING  
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END AREA VOLUME  
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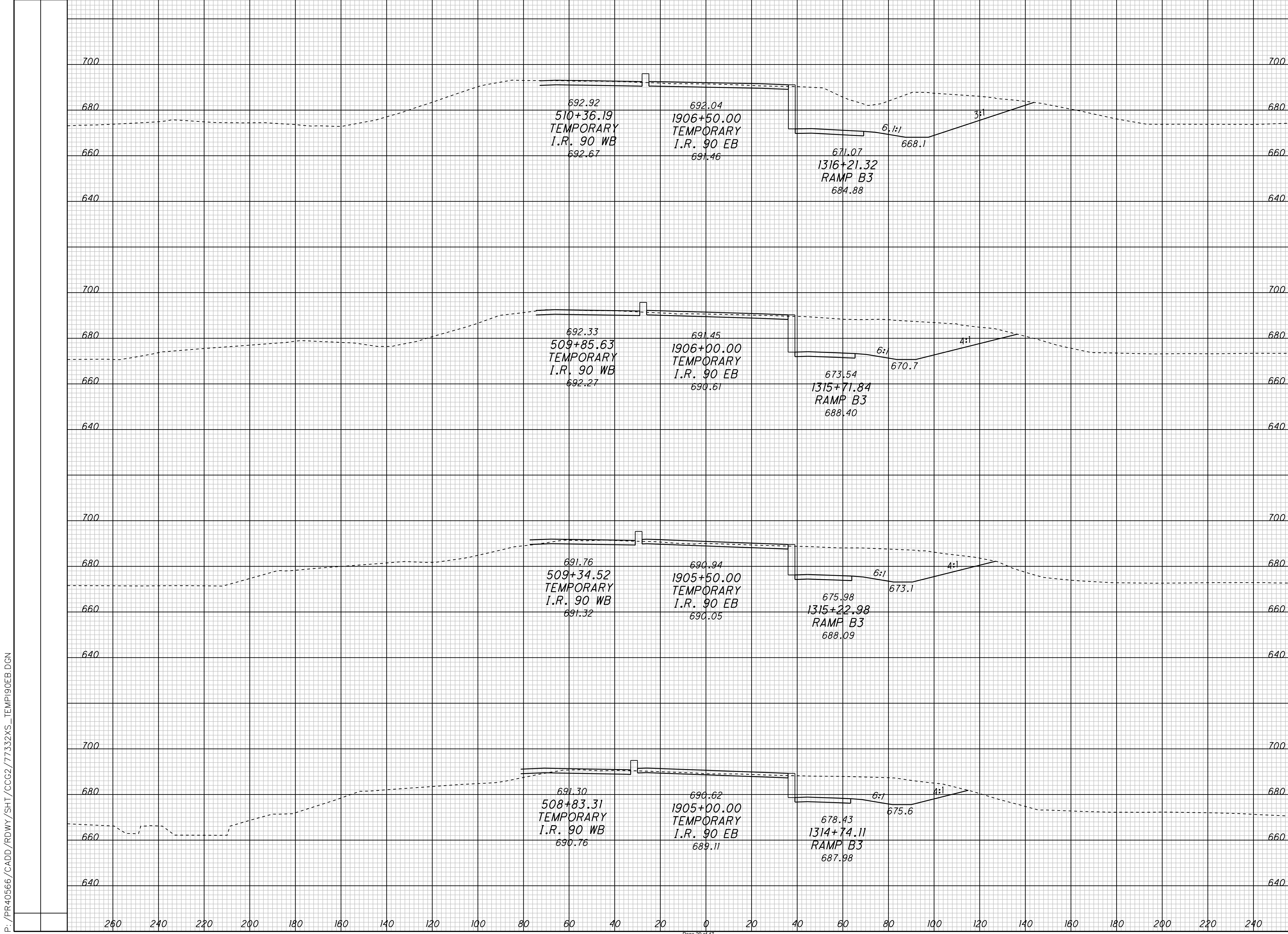


CROSS SECTIONS - CONTRACT GROUP 2  
TEMPORARY I.R. 90 EB

CUY-90-14.90

SEEDING  
END WIDTH SQ. YDS.

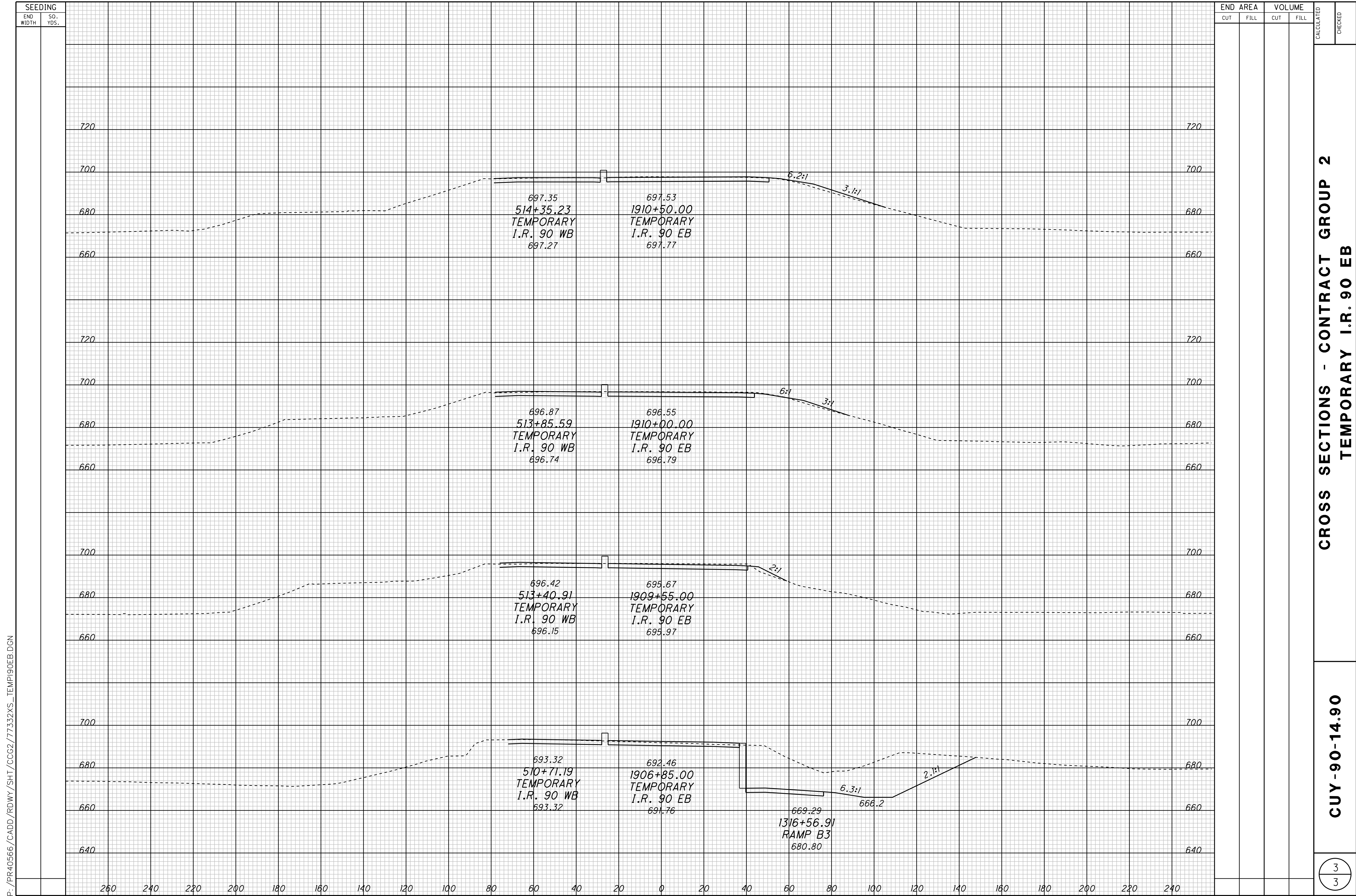
END AREA VOLUME  
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CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 2  
TEMPORARY I.R. 90 EB

CUY-90-14.90

2  
3



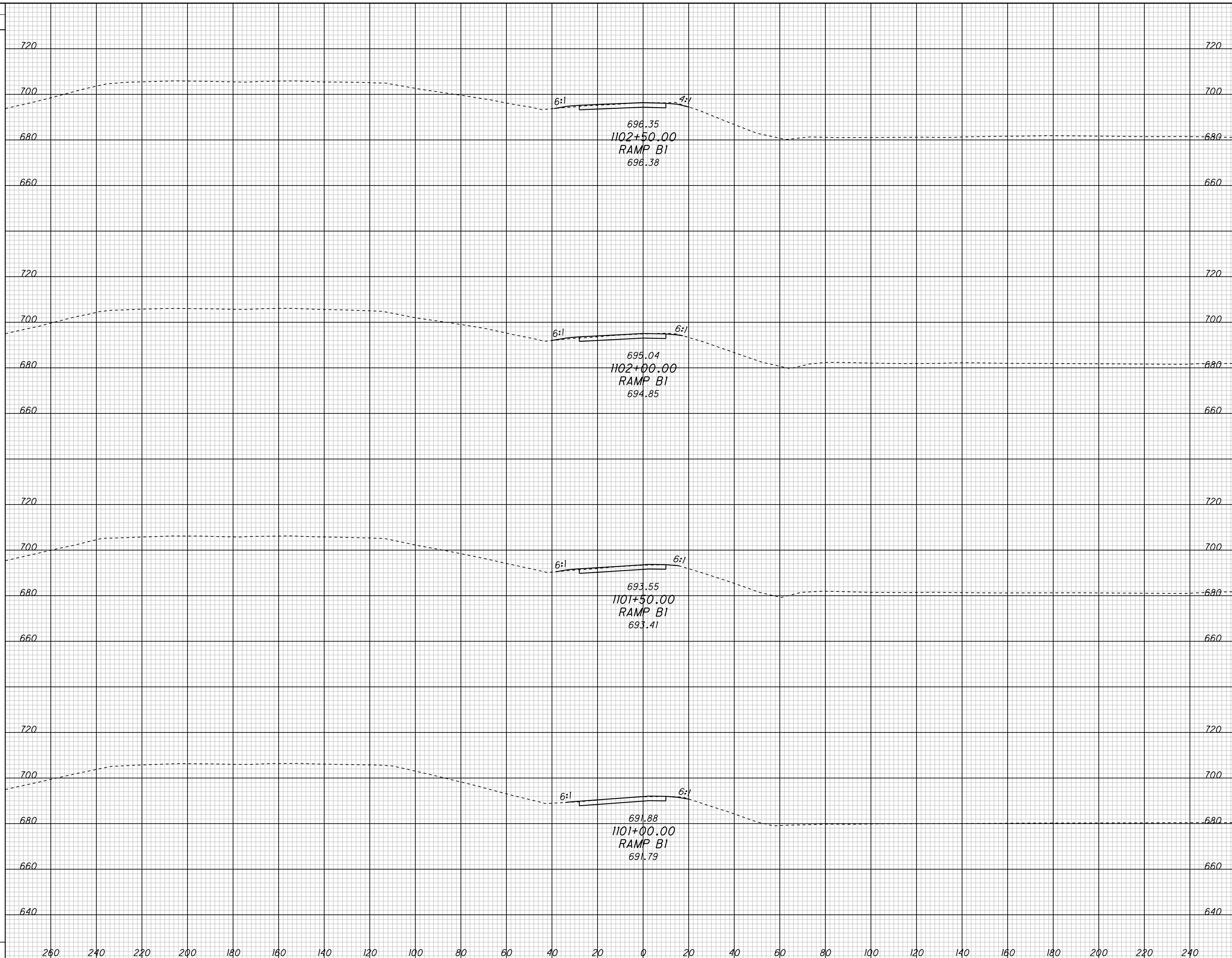
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SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

CROSS SECTIONS - CONTRACT GROUP 2  
TEMPORARY I.R. 90 EB

CUY-90-14.90

SEEDING  
END WIDTH SQ. YDS.  
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END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B1**

**CUY-90-14.90**

1  
3

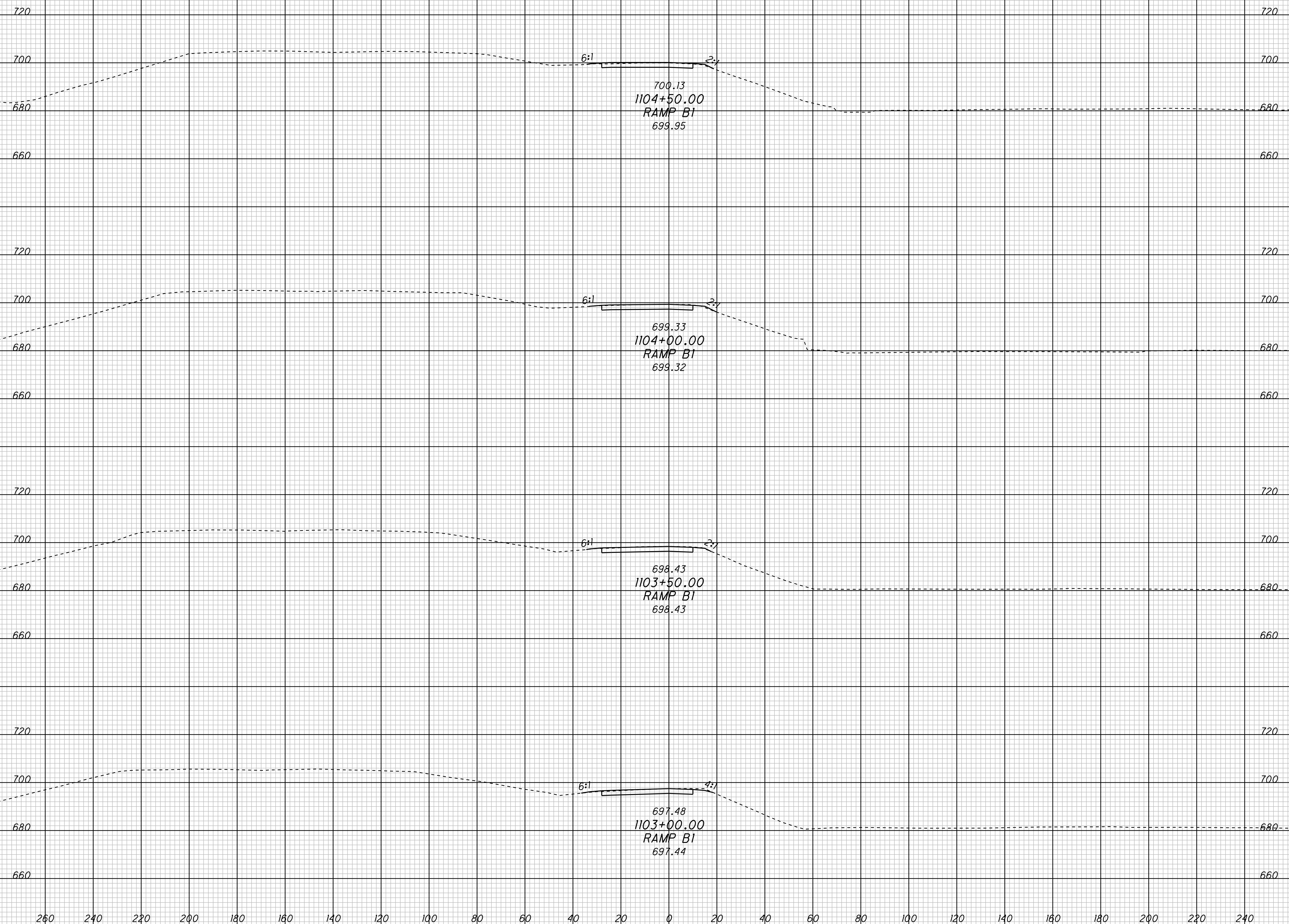
SEEDING  
END  
WIDTH

SO.  
YDS.

END AREA  
CUT FILL

VOLUME  
CUT FILL

CALCULATED  
CHECKED



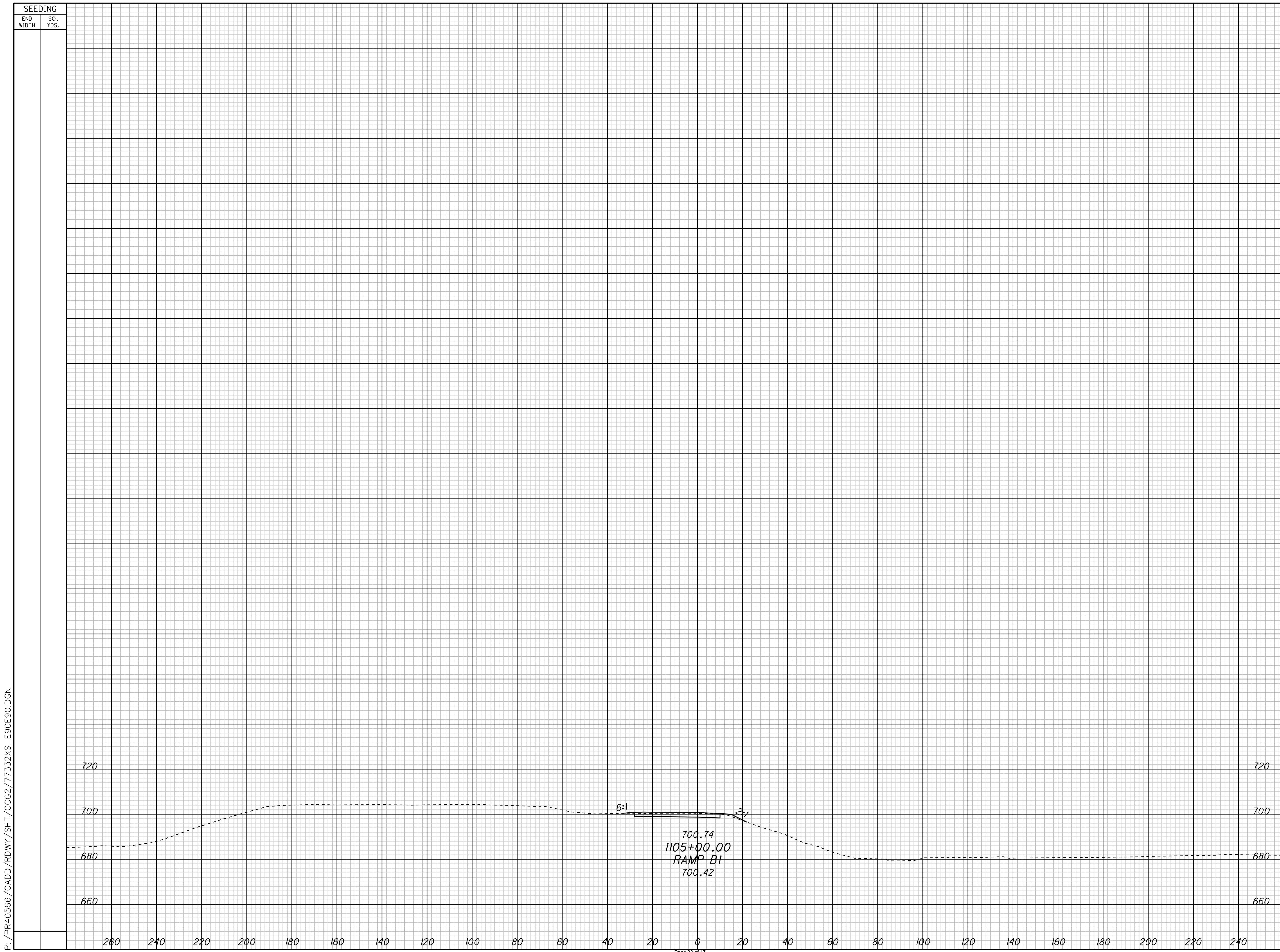
**CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B1**

**CUY-90-14.90**

**2  
3**

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720		720
700	6:1	2:1
680	700.74 1105+00.00 RAMP B1 700.42	680
660		660
260	240	220
200	180	160
140	120	100
80	60	40
20	0	20
40	60	80
100	120	140
160	180	200
220	240	

SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL		
CROSS SECTIONS - CONTRACT GROUP 2							RAMP B1
CUY-90-14.90						3 3	

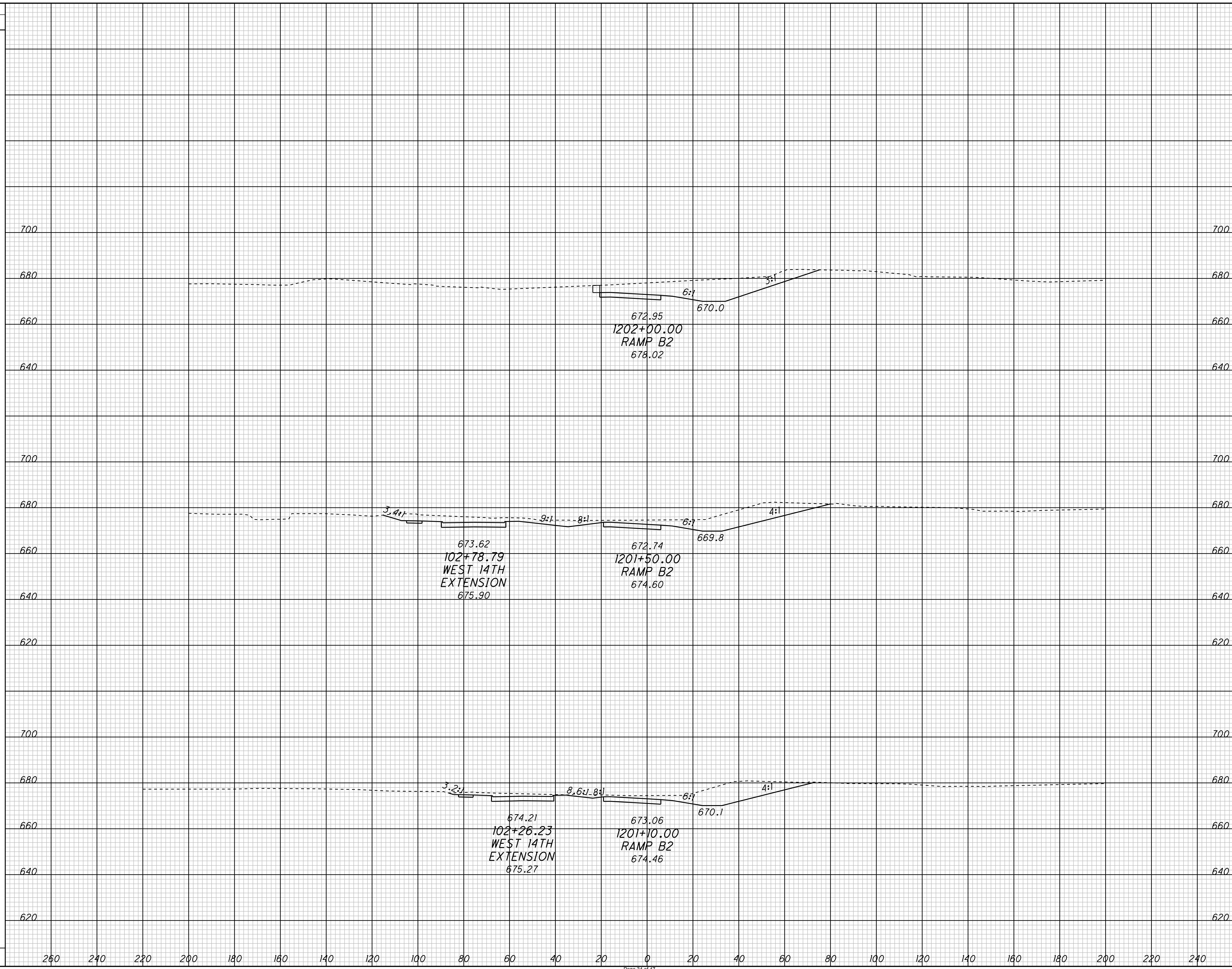
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END WIDTH SQ. YDS.

END AREA VOLUME

CUT FILL CUT FILL CALCULATED CHECKED

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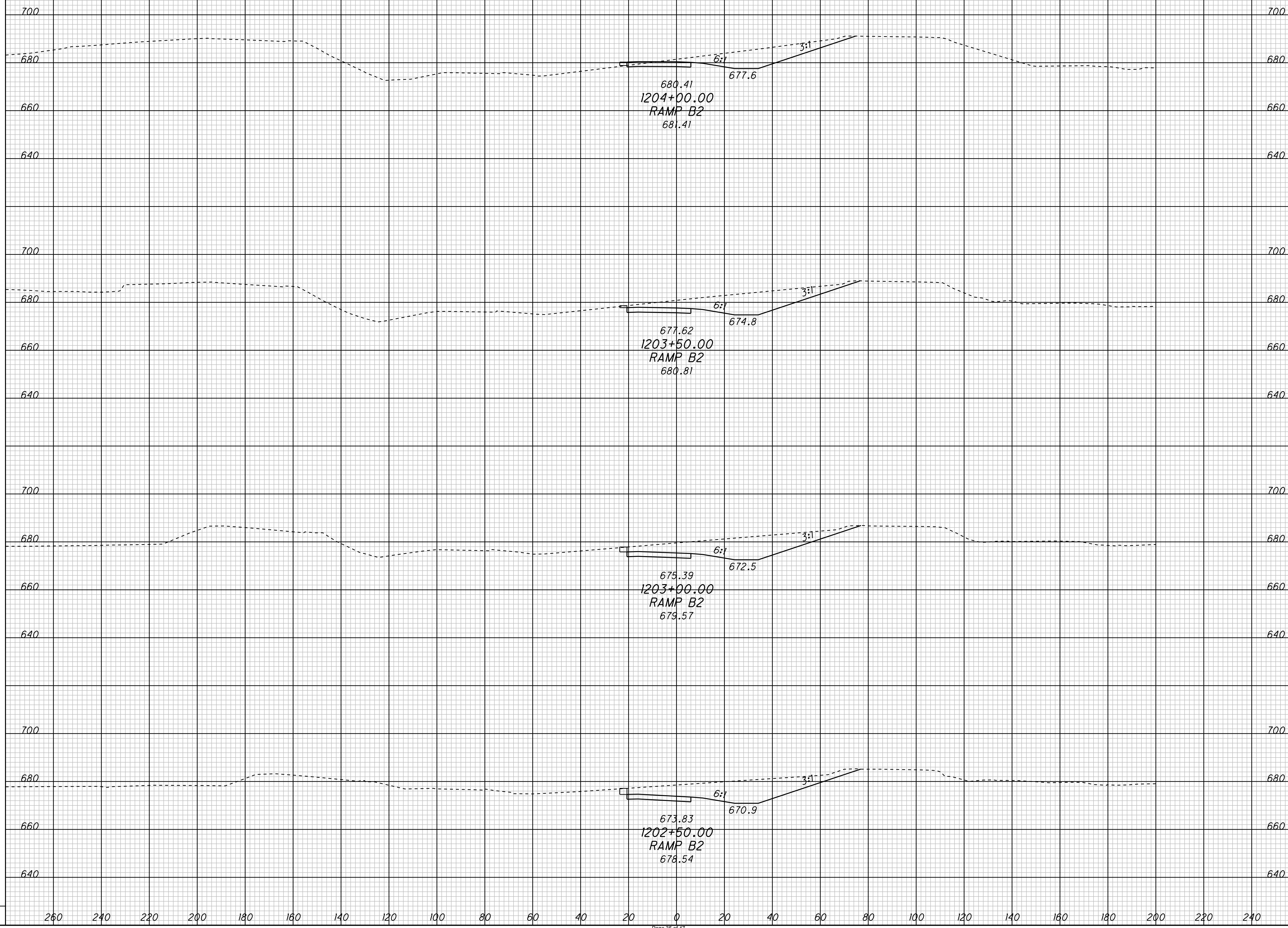
CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B2

CUY-90-14.90

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4

SEEDING  
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CUT FILL CUT FILL  
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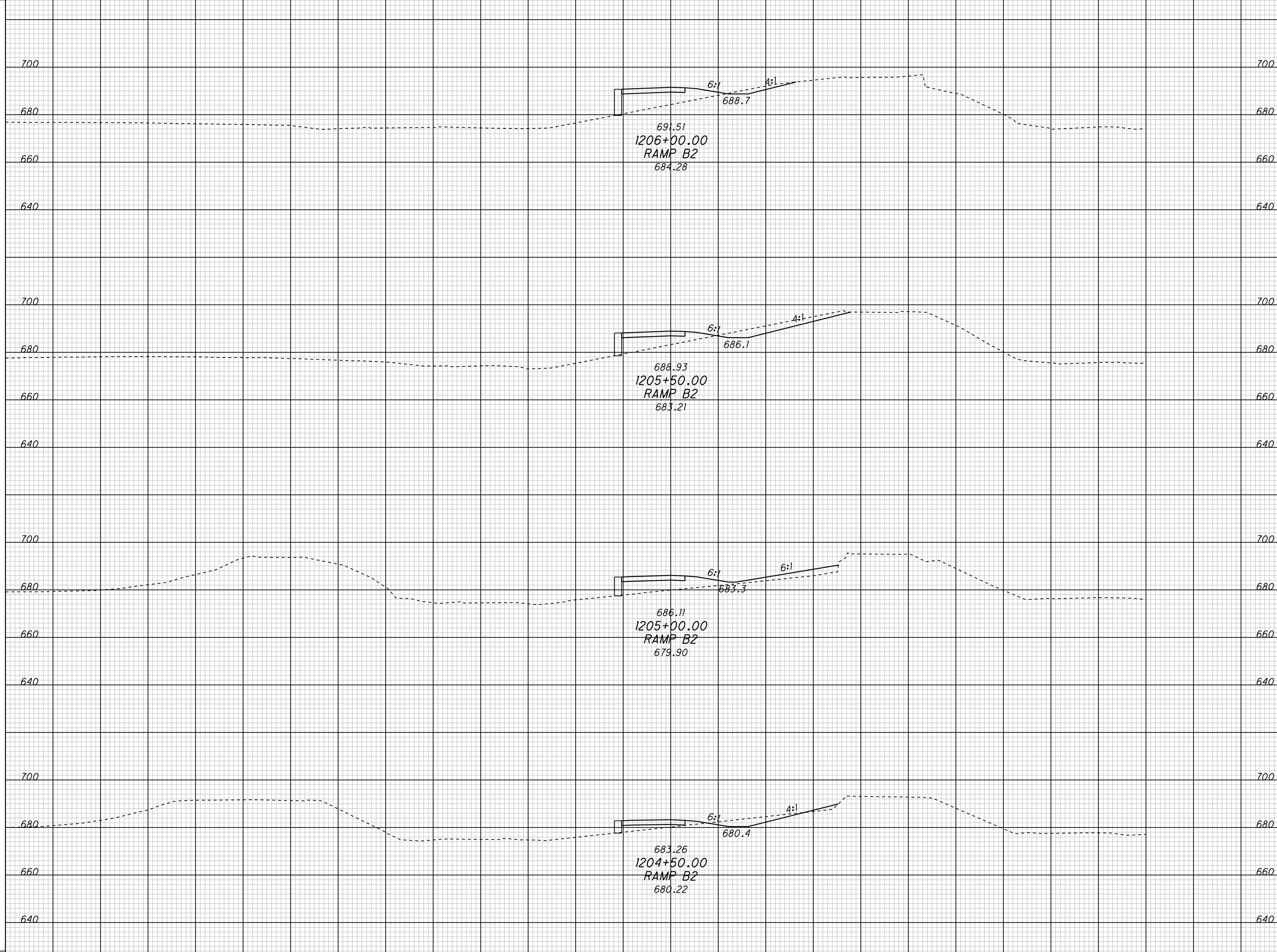


CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B2

CUY-90-14.90

SEEDING  
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END AREA VOLUME  
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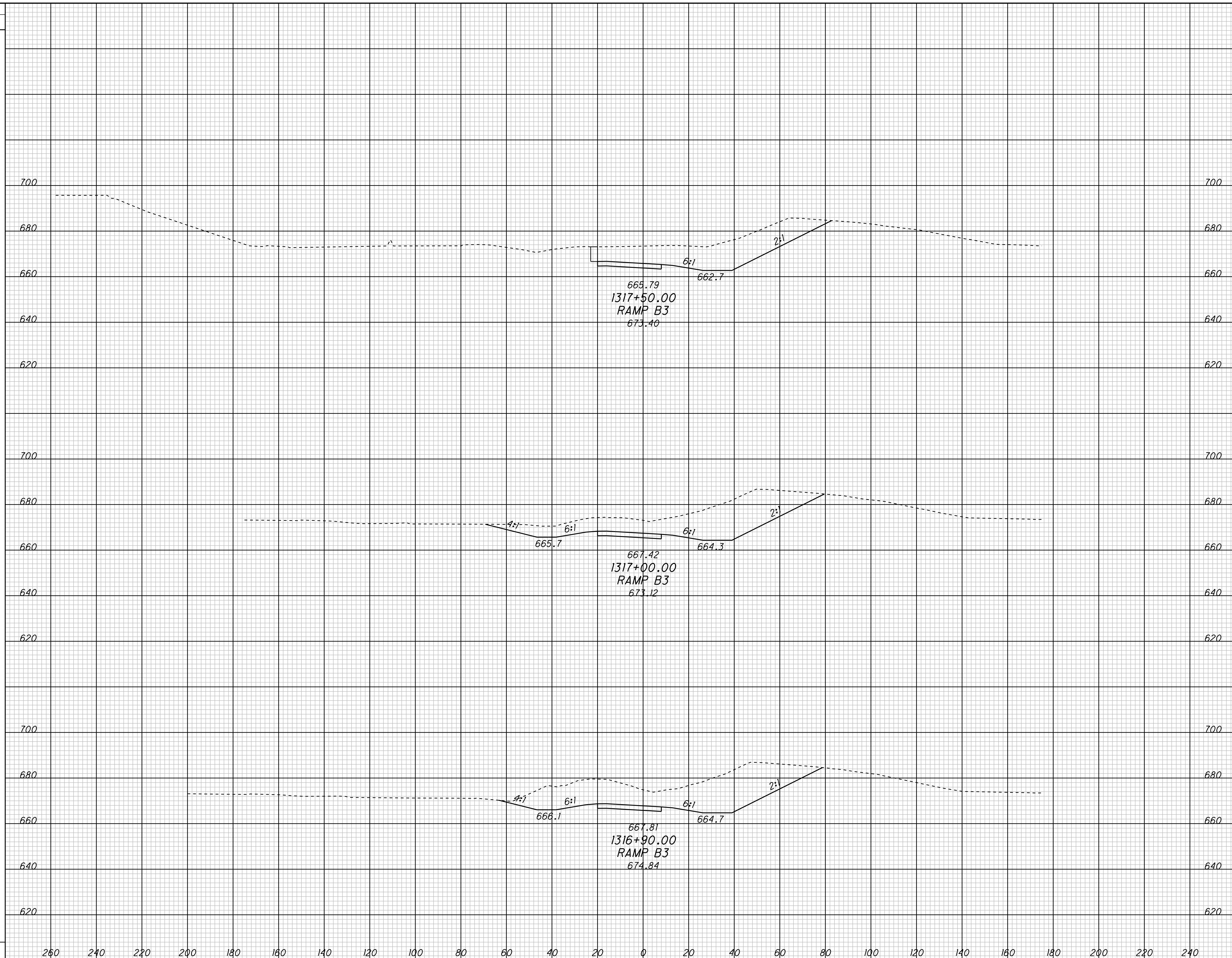
CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B2

CUY -90-14.90

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4



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END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B3**

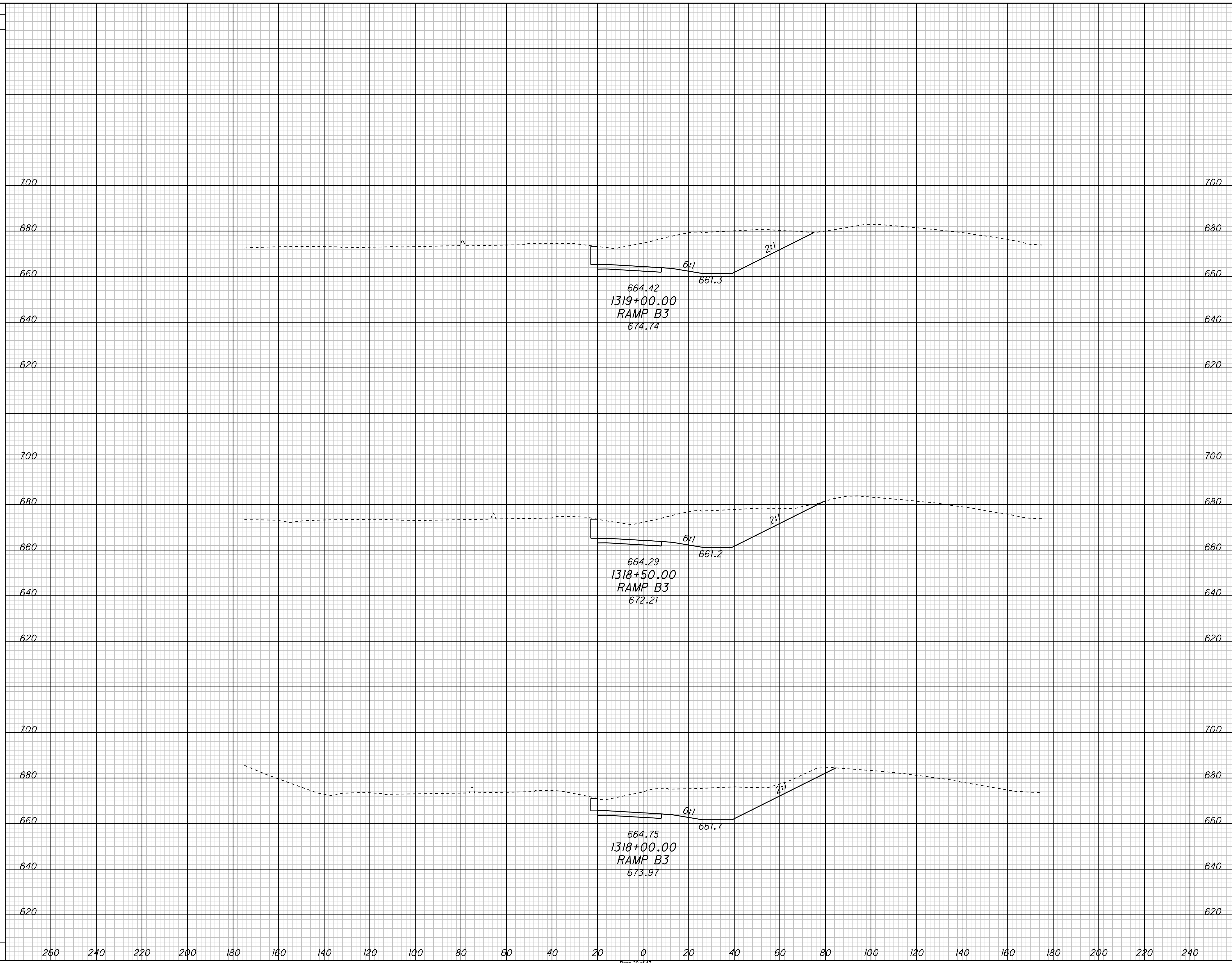
**CUY -90 -14.90**

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SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B3

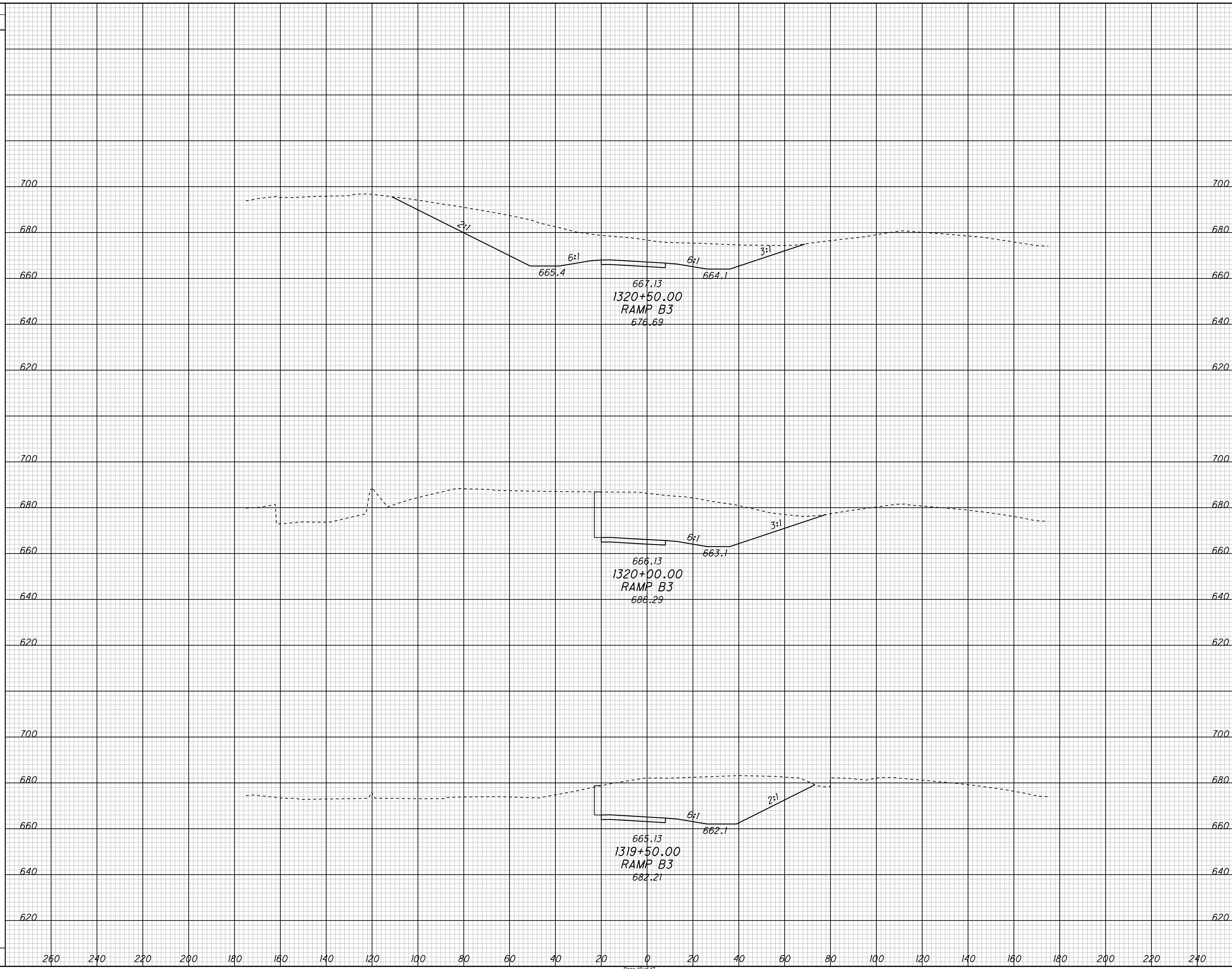
CUY -90-14.90

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SEEDING  
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END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED CHECKED

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CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B3

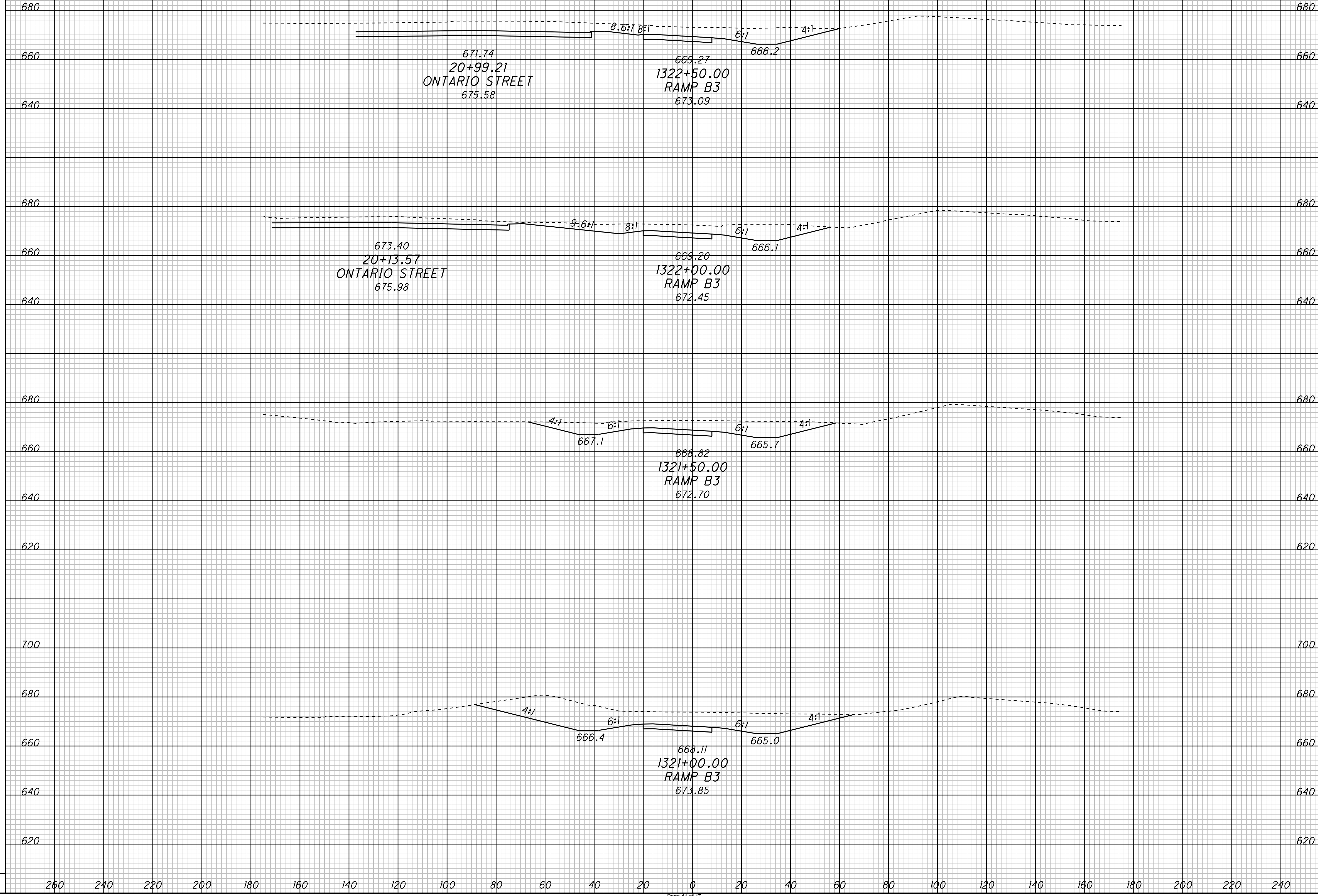
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SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
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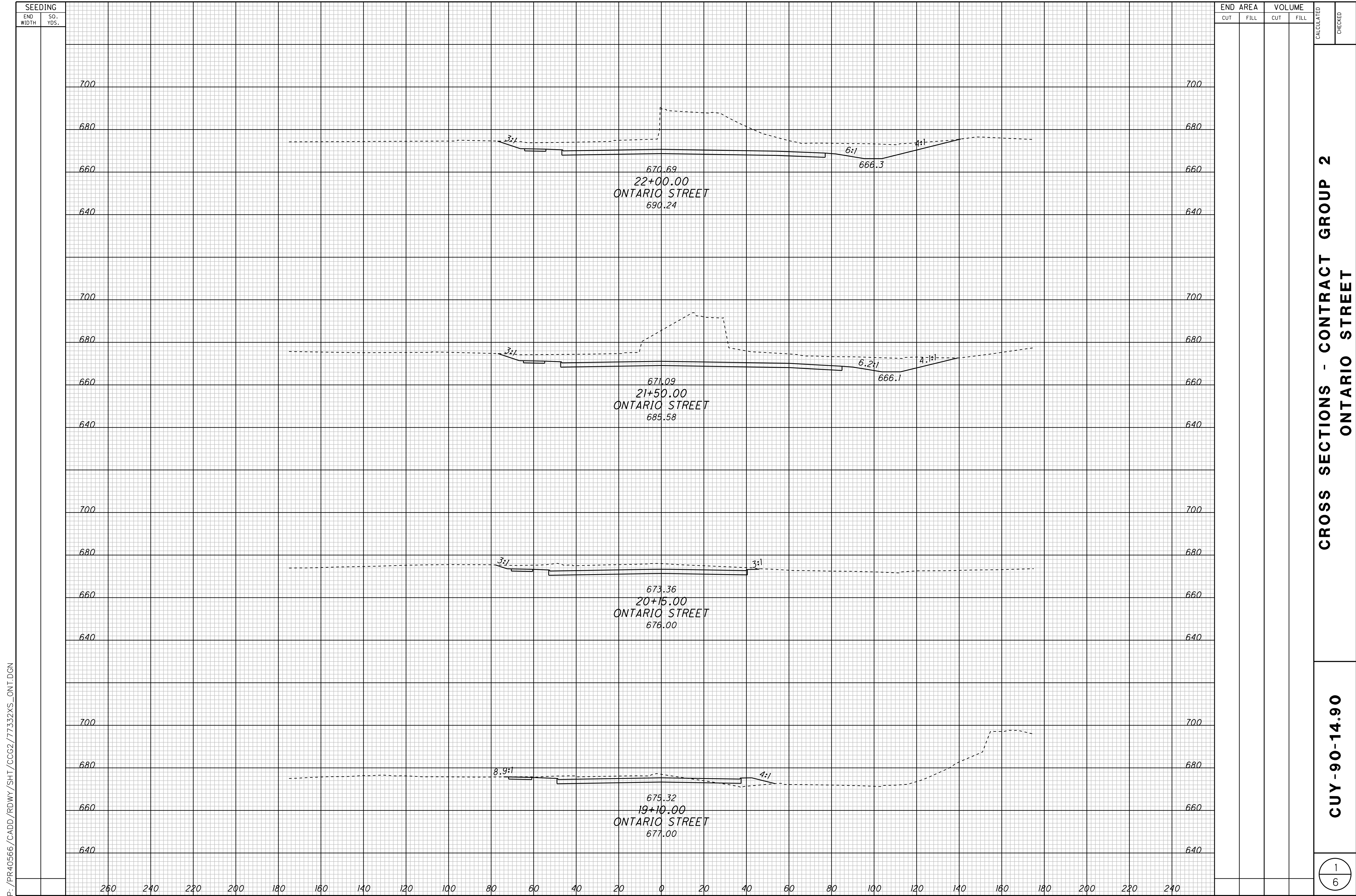


CROSS SECTIONS - CONTRACT GROUP 2  
RAMP B3

CUY-90-14.90

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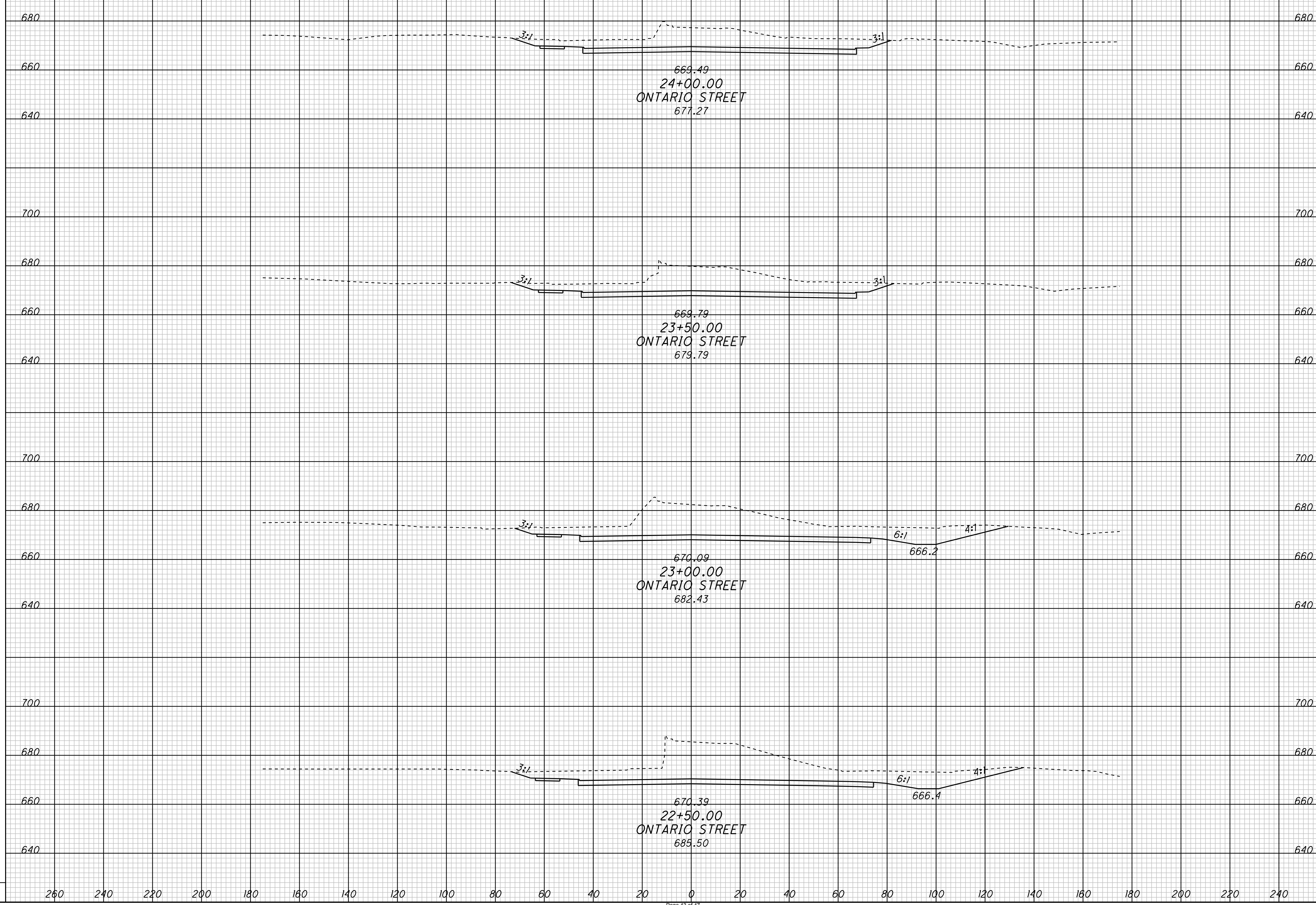
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END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

CROSS SECTIONS - CONTRACT GROUP 2  
ONTARIO STREET

CUY-90-14.90

SEEDING  
END WIDTH SQ. YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED CHECKED

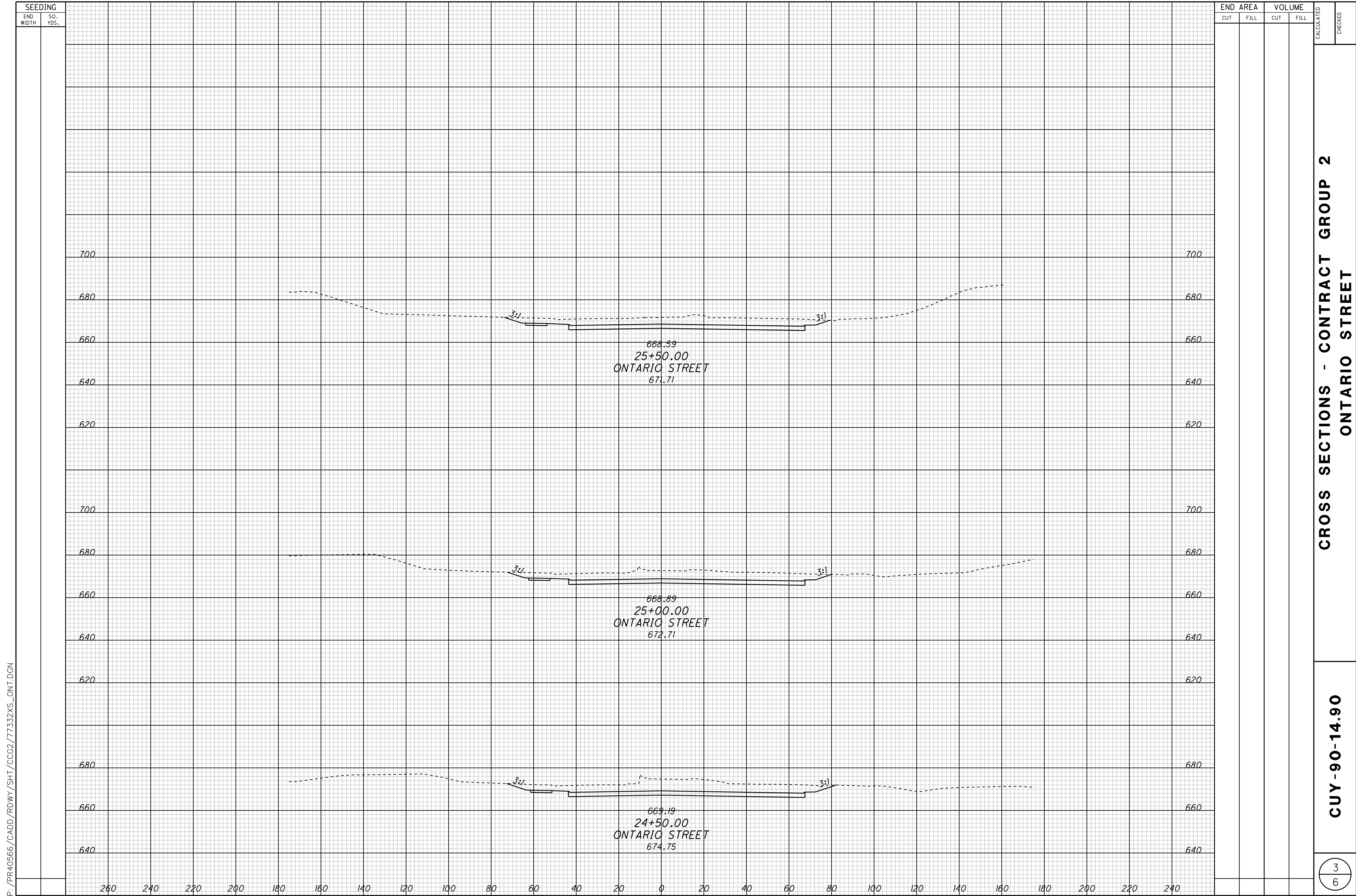


CROSS SECTIONS - CONTRACT GROUP 2  
ONTARIO STREET

CUY -90-14.90

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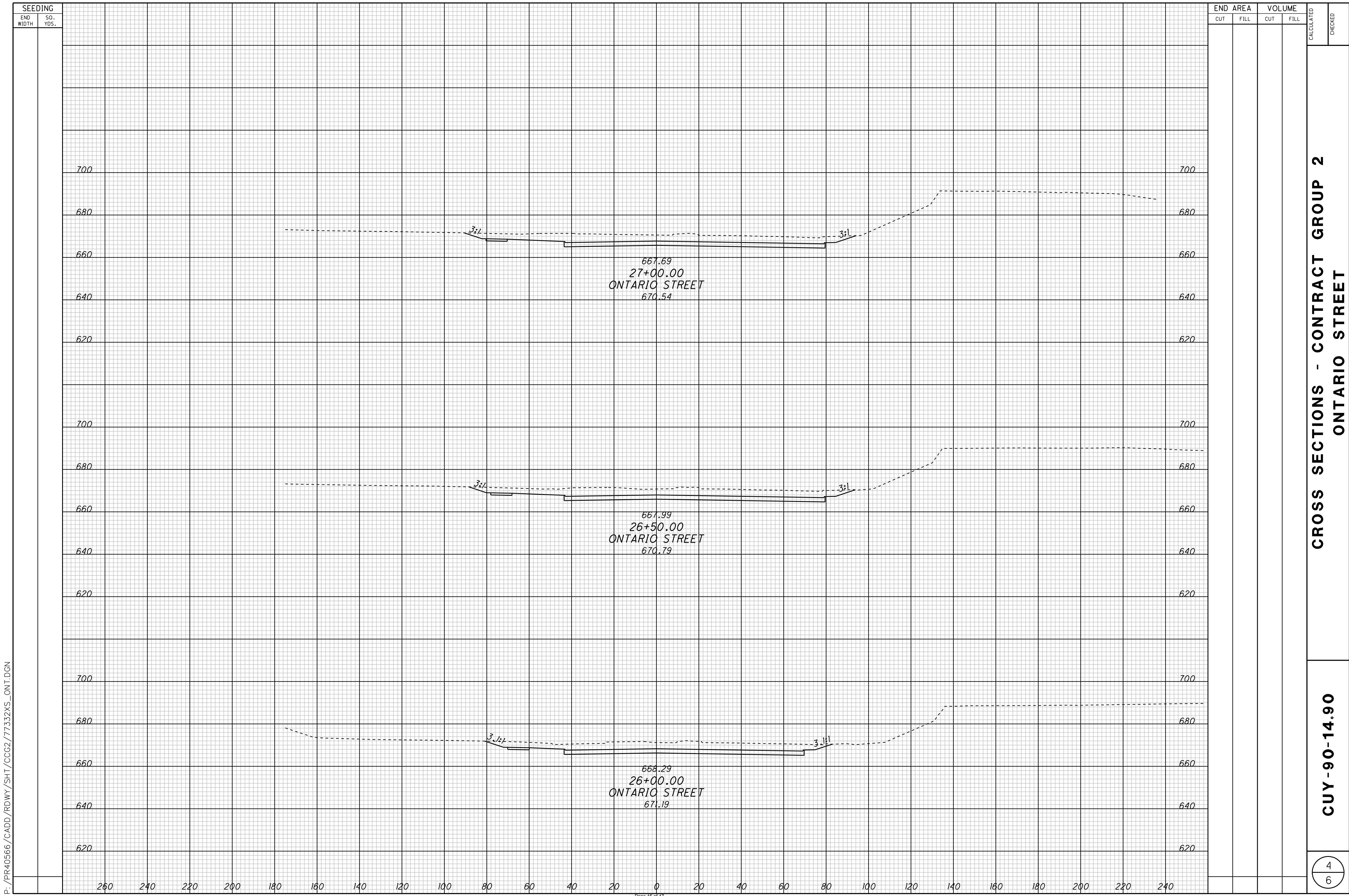


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SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 2**  
**ONTARIO STREET**

**CUY-90-14.90**



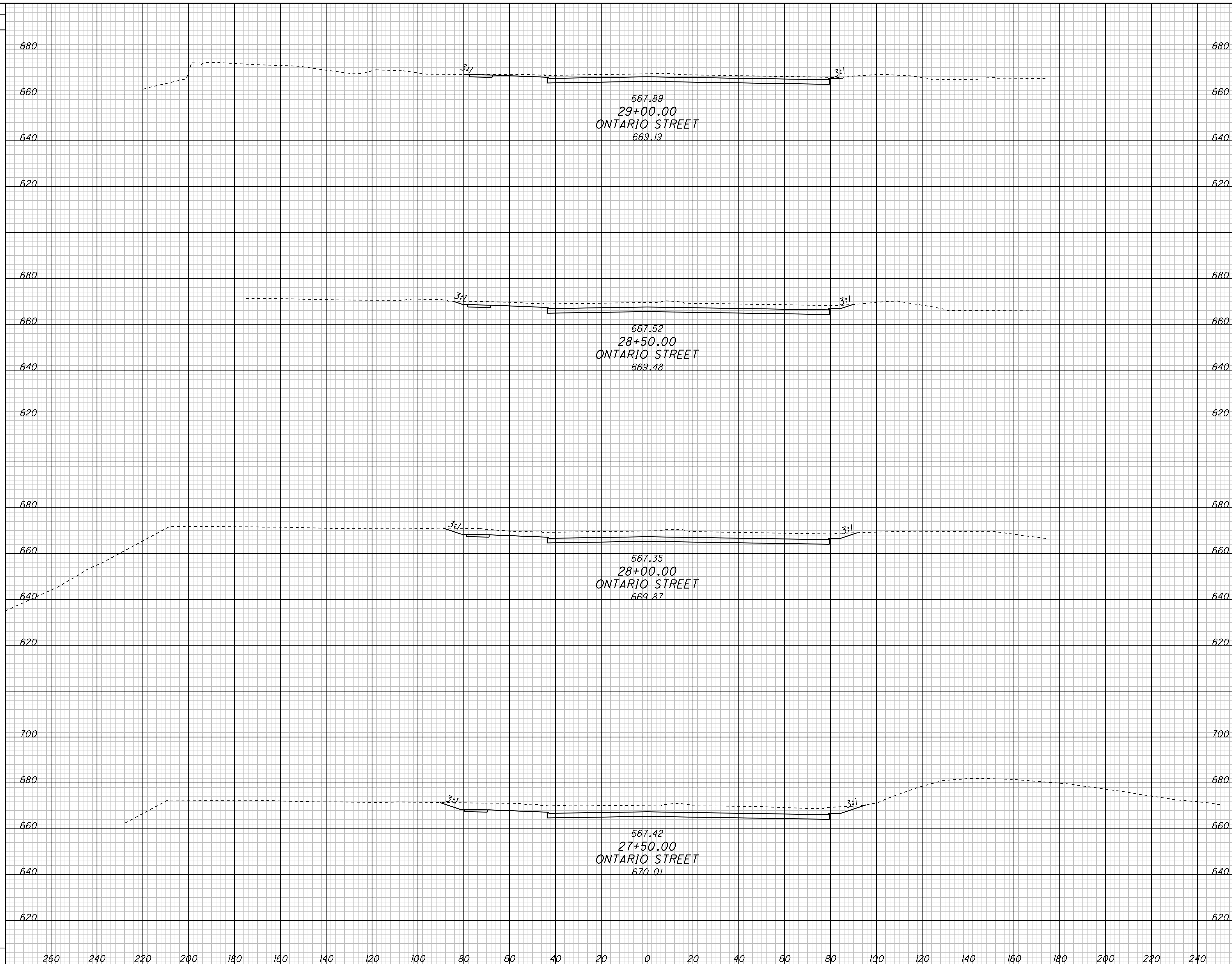
**CROSS SECTIONS - CONTRACT GROUP 2**  
**ONTARIO STREET**

**CUY-90-14.90**

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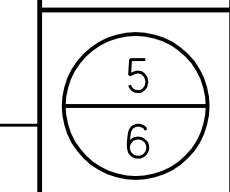
SEEDING  
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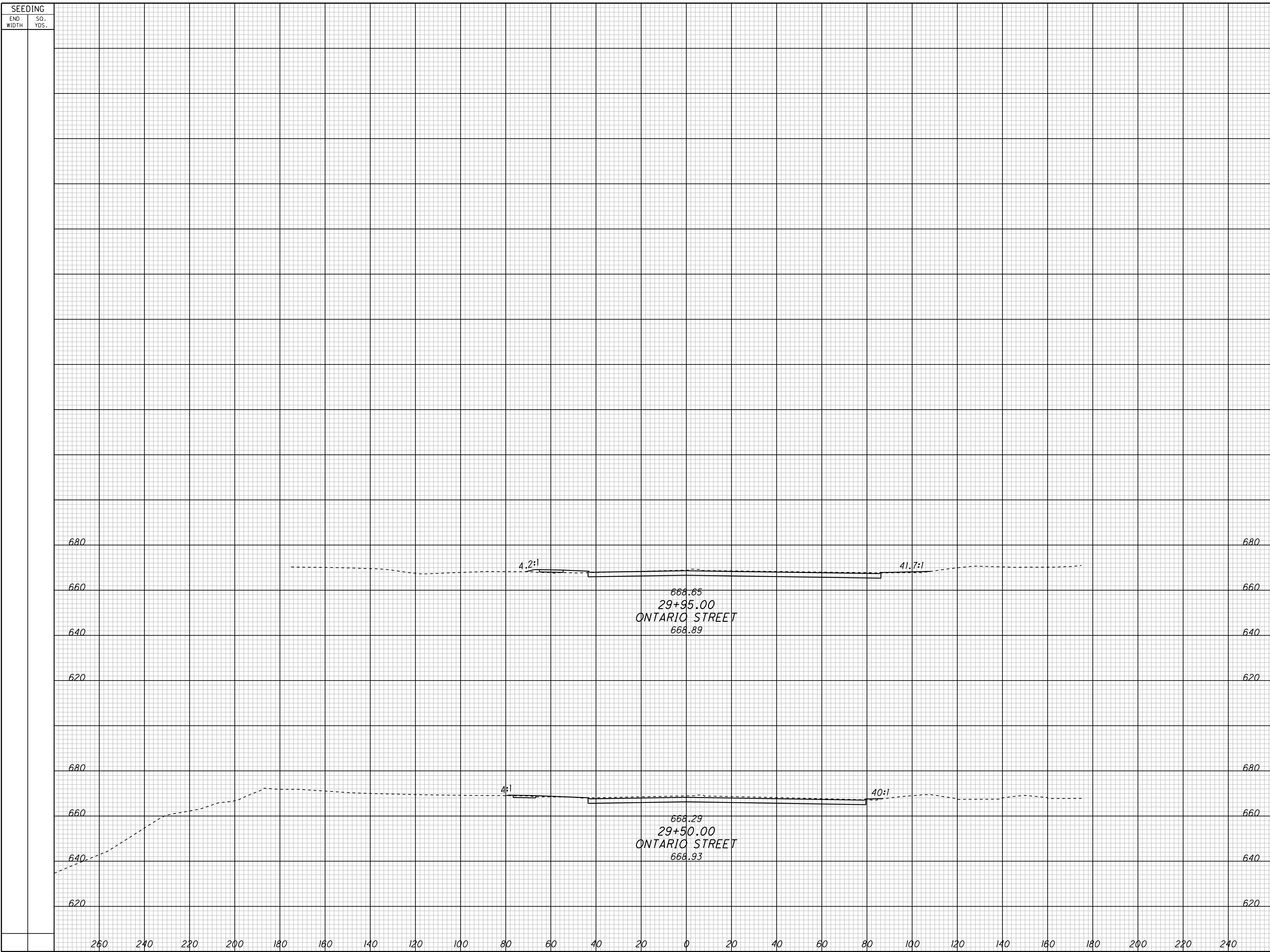
END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



CROSS SECTIONS - CONTRACT GROUP 2  
ONTARIO STREET

CUY-90-14.90





SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 2  
ONTARIO STREET**

**CUY-90-14.90**

