



CUY-90-14.90

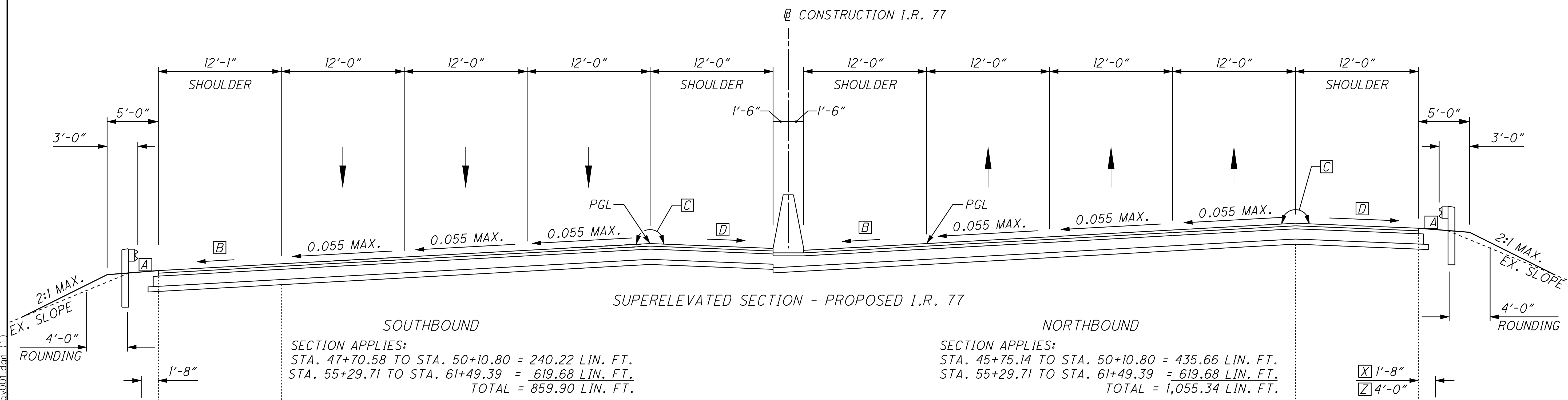
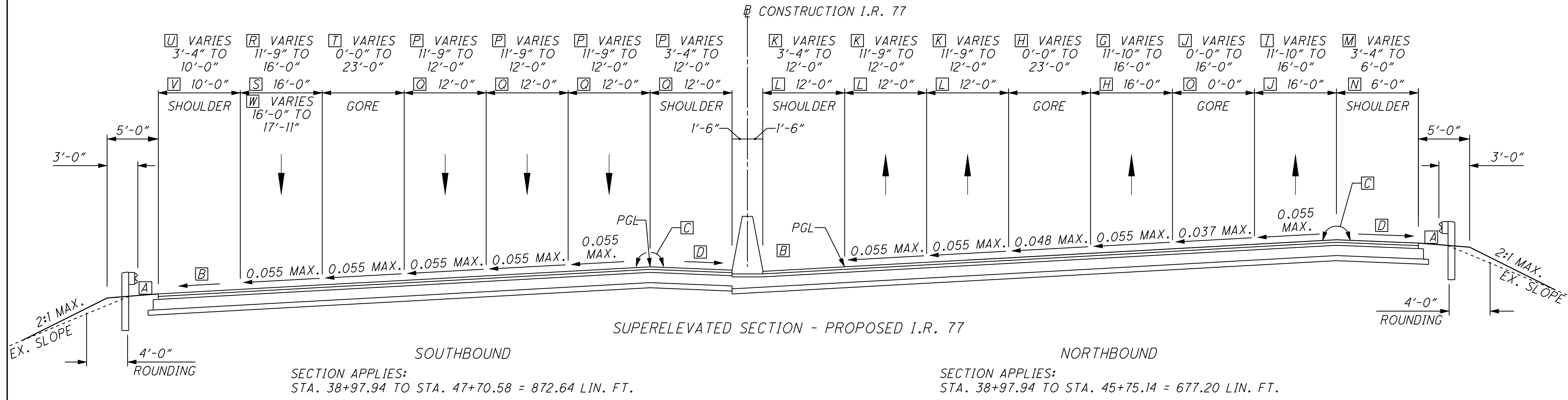
PID 77332/85531

APPENDIX LD-08

**CCG3 Roadway Engineering Conceptual Plans
(Basic Configuration)**

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

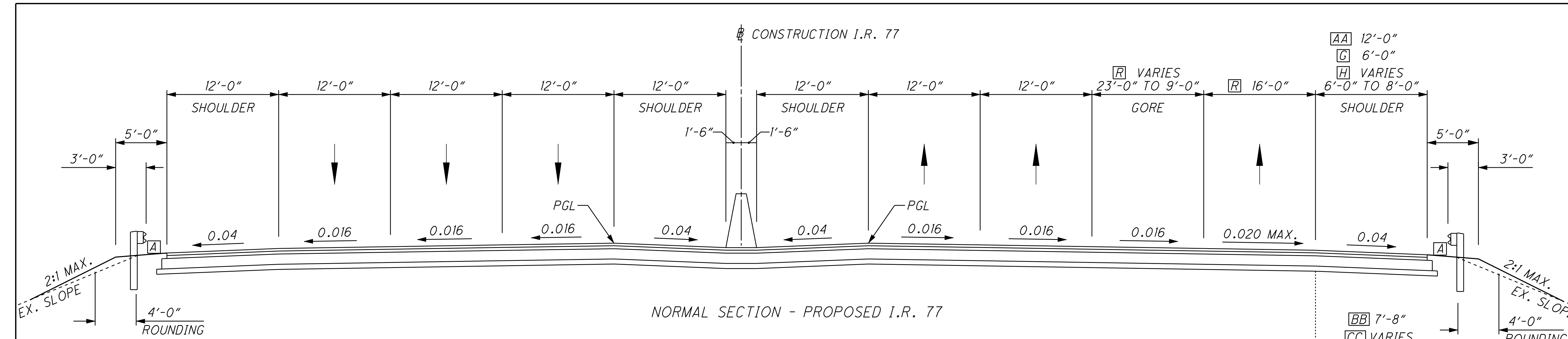
**Innerbelt Bridge
Construction Contract Group 1 (CCG1)**



- | | | |
|---|------------------------------------|------------------------------------|
| [A] 0.08 SLOPE | [G] STA. 39+00.00 TO STA. 42+06.10 | [Q] STA. 44+31.00 TO STA. 47+70.58 |
| [B] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER | [H] STA. 42+06.10 TO STA. 45+75.14 | [R] STA. 38+97.94 TO STA. 44+40.16 |
| [C] 0.07 MAX. BREAK | [I] STA. 39+00.00 TO STA. 41+44.99 | [S] STA. 44+40.16 TO STA. 46+11.75 |
| [D] VARIES 0.04 TO 0.015 | [J] STA. 41+44.99 TO STA. 44+42.79 | [T] STA. 44+40.16 TO STA. 47+70.58 |
| [E] 0.04 SLOPE | [K] STA. 38+97.94 TO STA. 43+87.00 | [U] STA. 38+97.94 TO STA. 41+86.22 |
| [F] WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1. | [L] STA. 43+87.00 TO STA. 45+75.14 | [V] STA. 41+86.22 TO STA. 47+70.58 |
| | [M] STA. 38+97.94 TO STA. 39+00.00 | [W] STA. 46+11.75 TO STA. 47+70.58 |
| | [N] STA. 39+00.00 TO STA. 45+75.14 | [X] STA. 48+25.00 TO STA. 50+10.80 |
| | [O] STA. 44+42.79 TO STA. 45+75.14 | [Y] STA. 47+90.00 TO STA. 50+10.80 |
| | [P] STA. 38+97.94 TO STA. 44+31.00 | [Z] STA. 57+25.00 TO STA. 60+80.00 |

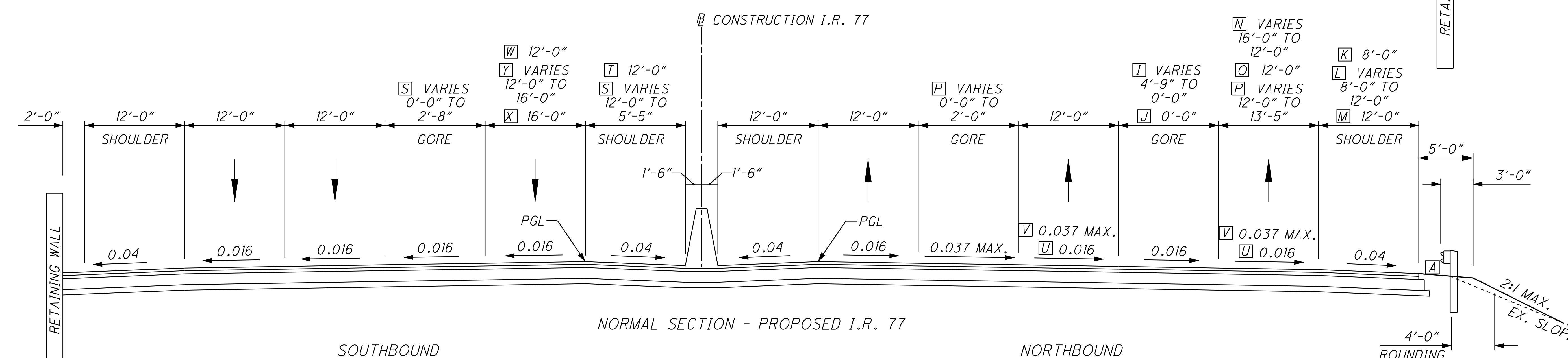
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SOUTHBOUND
SECTION APPLIES:
STA. 61+49.39 TO STA. 65+24.90 = 375.51 LIN. FT.

NORTHBOUND
SECTION APPLIES:
STA. 61+49.39 TO STA. 65+24.90 = 375.51 LIN. FT.

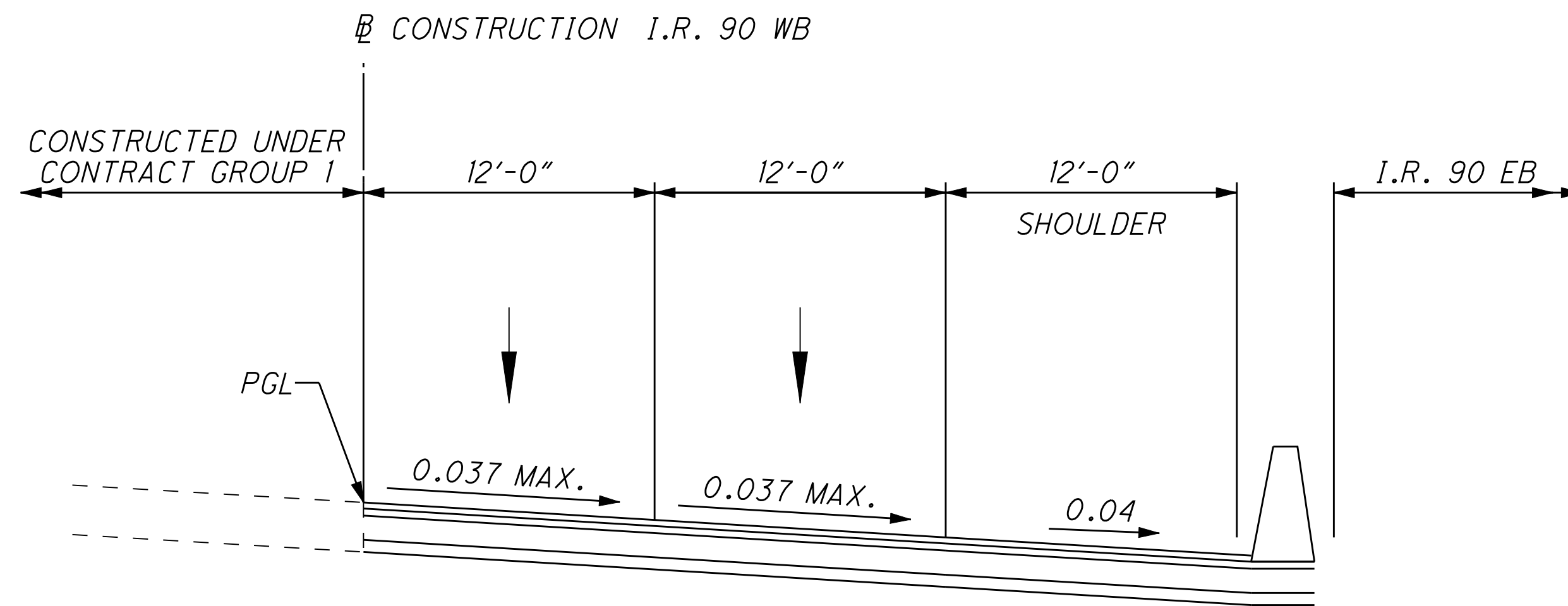


SOUTHBOUND
SECTION APPLIES:
STA. 67+35.62 TO STA. 73+79.15 = 643.53 LIN. FT.

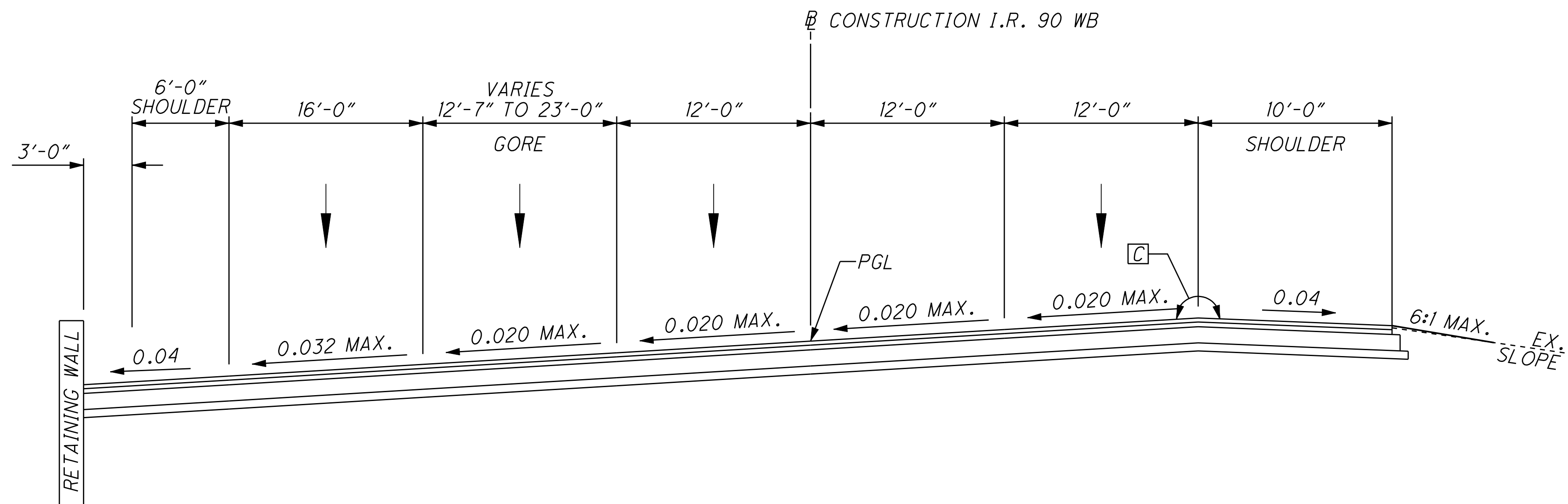
NORTHBOUND
SECTION APPLIES:
STA. 67+35.62 TO STA. 73+79.15 = 643.53 LIN. FT.

- | | | | |
|---|------------------------------------|------------------------------------|-------------------------------------|
| [A] 0.08 SLOPE | [G] STA. 64+10.72 TO STA. 64+75.14 | [R] STA. 61+55.41 TO STA. 65+24.90 | [AA] STA. 61+49.39 TO STA. 61+55.41 |
| [B] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER | [H] STA. 64+75.14 TO STA. 65+24.90 | [S] STA. 70+49.42 TO STA. 73+79.15 | [BB] STA. 61+55.41 TO STA. 62+10.26 |
| [C] 0.07 MAX. BREAK | [I] STA. 67+35.62 TO STA. 69+74.84 | [T] STA. 67+35.62 TO STA. 70+49.42 | [CC] STA. 62+10.26 TO STA. 65+24.90 |
| [E] 0.04 SLOPE | [J] STA. 69+74.84 TO STA. 73+79.15 | [U] STA. 67+35.62 TO STA. 73+03.78 | |
| [F] WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1. | [K] STA. 67+35.62 TO STA. 69+75.00 | [V] STA. 73+03.78 TO STA. 73+79.15 | |
| | [L] STA. 69+75.00 TO STA. 71+75.00 | [W] STA. 67+35.62 TO STA. 70+49.42 | |
| | [M] STA. 71+75.00 TO STA. 73+79.15 | [X] STA. 72+49.42 TO STA. 73+79.15 | |
| | [N] STA. 67+35.62 TO STA. 71+75.00 | [Y] STA. 70+49.42 TO STA. 72+49.54 | |
| | [O] STA. 71+75.00 TO STA. 72+83.18 | [Z] STA. 61+55.47 TO STA. 64+10.72 | |
| | [P] STA. 72+83.18 TO STA. 73+79.15 | | |

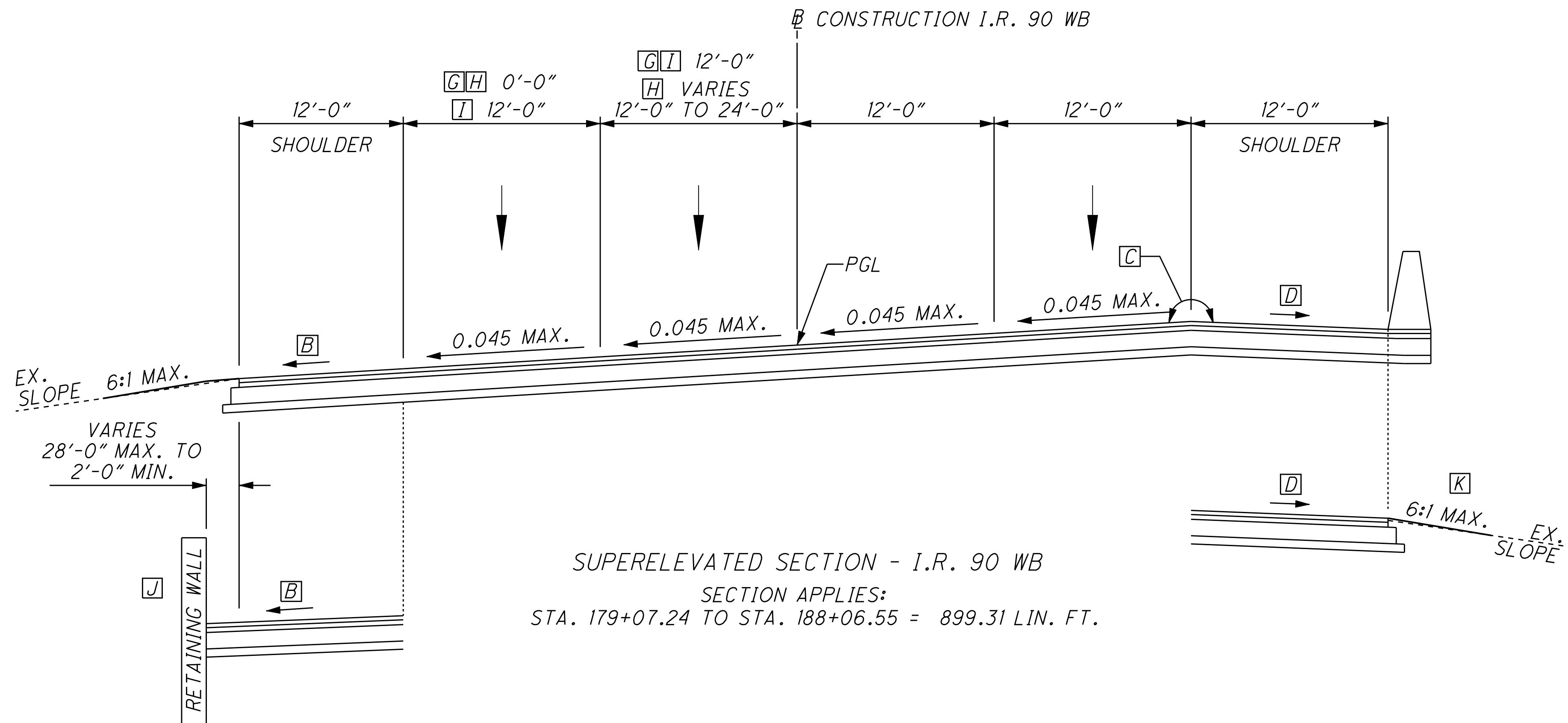
TYPICAL SECTIONS - CONTRACT GROUP 3
I.R. 77
CUY-90-14.90



SUPERELEVATED SECTION - I.R. 90 WB
SECTION APPLIES:
STA. 170+47.50 TO STA. 175+79.99 = 532.49 LIN. FT.



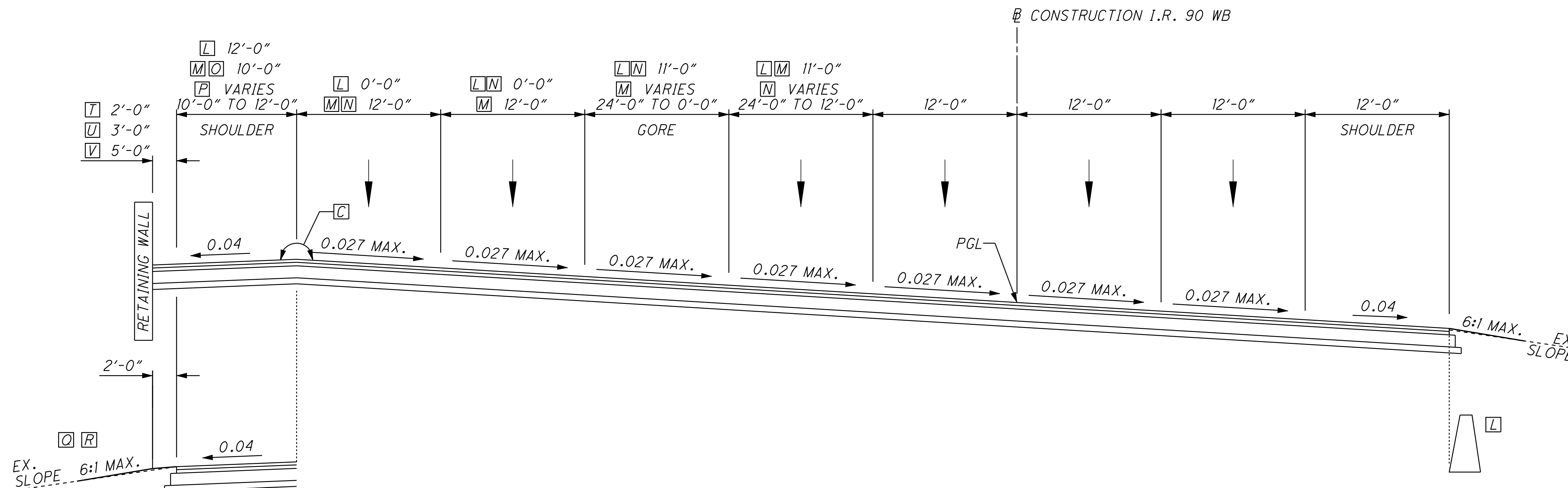
SUPERELEVATED SECTION - I.R. 90 WB
SECTION APPLIES:
STA. 177+40.00 TO STA. 179+07.24 = 167.24 LIN. FT.



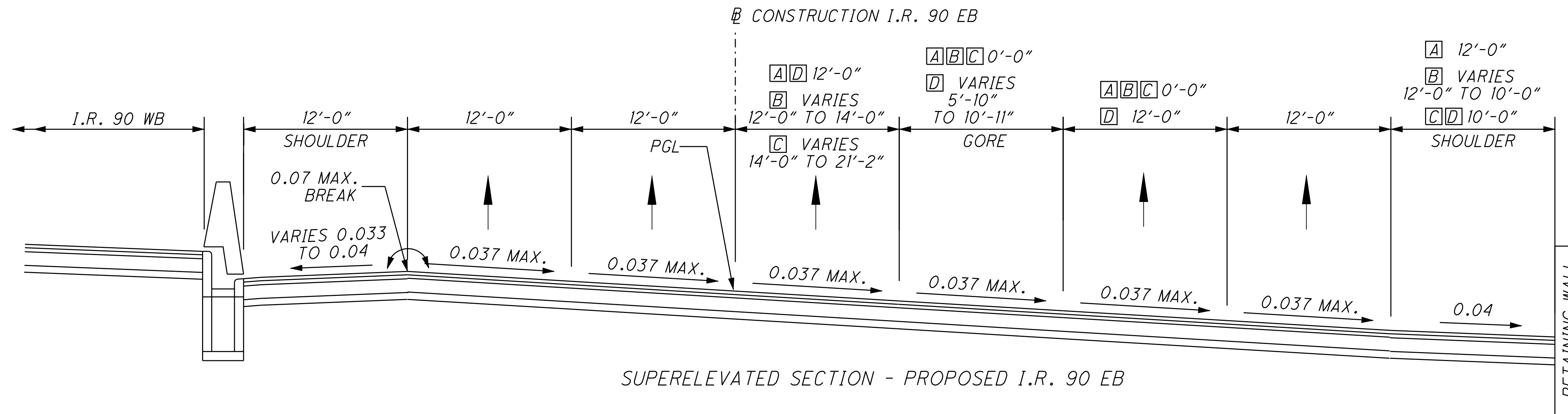
SUPERELEVATED SECTION - I.R. 90 WB
SECTION APPLIES:
STA. 179+07.24 TO STA. 188+06.55 = 899.31 LIN. FT.

- A 0.08 SLOPE
- B 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C 0.07 MAX. BREAK
- D VARIES 0.04 TO 0.025
- E 0.04 SLOPE
- F WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

- G STA. 179+07.24 TO STA. 179+40.00
- H STA. 179+40.00 TO STA. 186+60.00
- I STA. 186+60.00 TO STA. 188+06.55
- J STA. 180+75.24 TO STA. 188+06.55
- K STA. 186+94.12 TO STA. 188+06.55
- L STA. 189+71.15 TO STA. 194+52.41
- M STA. 194+52.41 TO STA. 197+83.67
- N STA. 197+83.67 TO STA. 202+38.35
- O STA. 197+83.67 TO STA. 200+52.49
- P STA. 200+52.49 TO STA. 202+38.35
- Q STA. 190+92.24 TO STA. 194+52.41
- R STA. 198+71.65 TO STA. 201+09.84
- S STA. 196+85.78 TO STA. 202+38.35
- T STA. 189+71.15 TO STA. 190+92.24
- U STA. 196+20.00 TO STA. 198+71.65
- V STA. 201+09.84 TO STA. 202+38.35



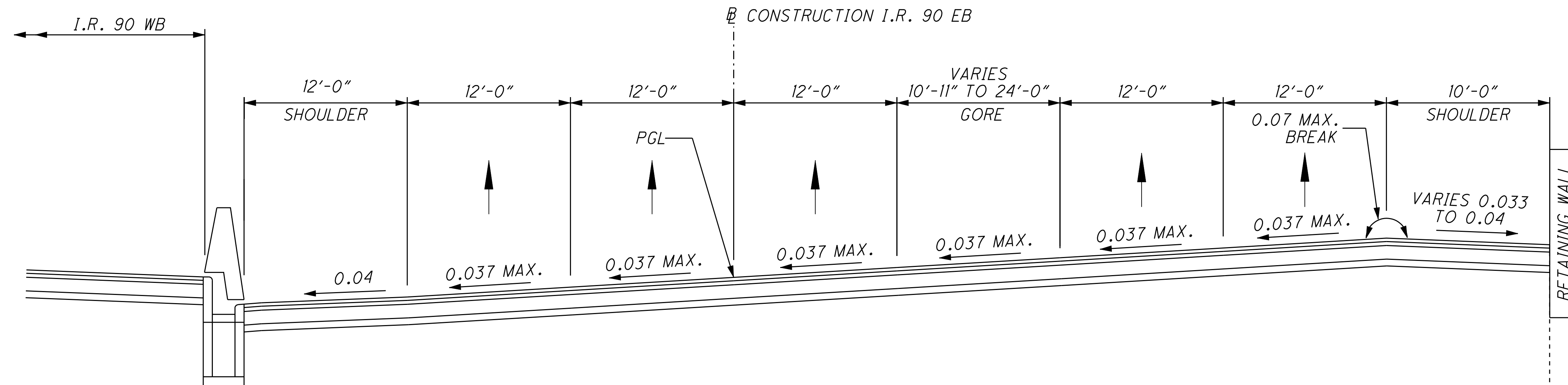
SUPERELEVATED SECTION - I.R. 90 WB
SECTION APPLIES:
I.R. 90 WB STA. 189+71.15 TO STA. 202+38.35 = 1,267.20 LIN. FT.



SUPERELEVATED SECTION - PROPOSED I.R. 90 EB

- Ⓐ STA. 169+60.00 TO STA. 169+92.30
- Ⓑ STA. 169+92.30 TO STA. 171+80.15
- Ⓒ STA. 171+80.15 TO STA. 173+95.71
- Ⓓ STA. 175+55.71 TO STA. 176+30.00

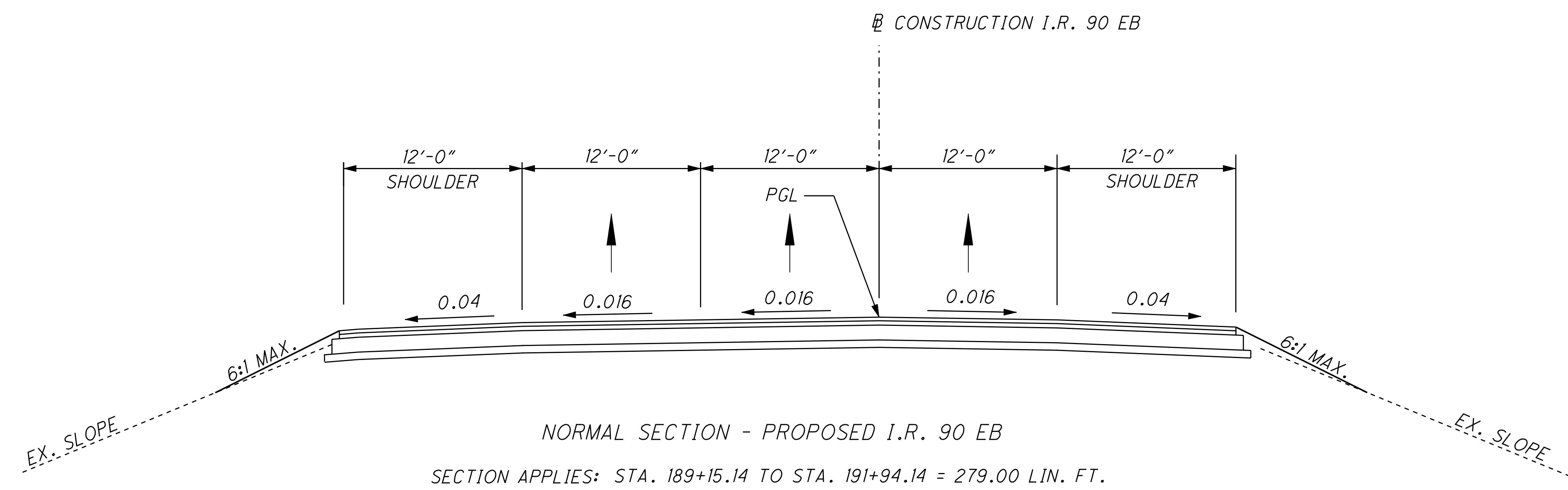
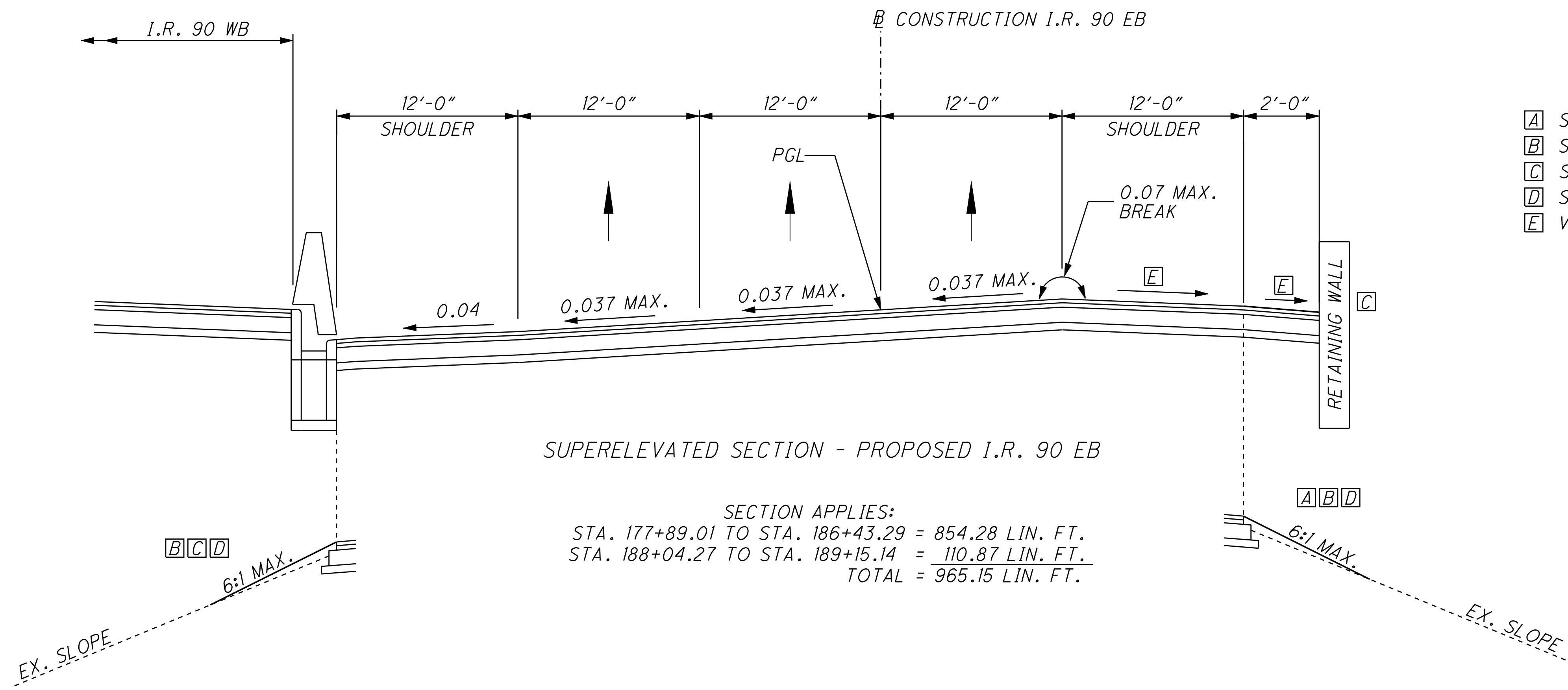
SECTION APPLIES:
 STA. 169+60.00 TO STA. 173+95.71 = 435.71 LIN. FT.
 STA. 175+55.71 TO STA. 176+30.00 = 74.29 LIN. FT.
 TOTAL = 510.00 LIN. FT.



SUPERELEVATED SECTION - PROPOSED I.R. 90 EB

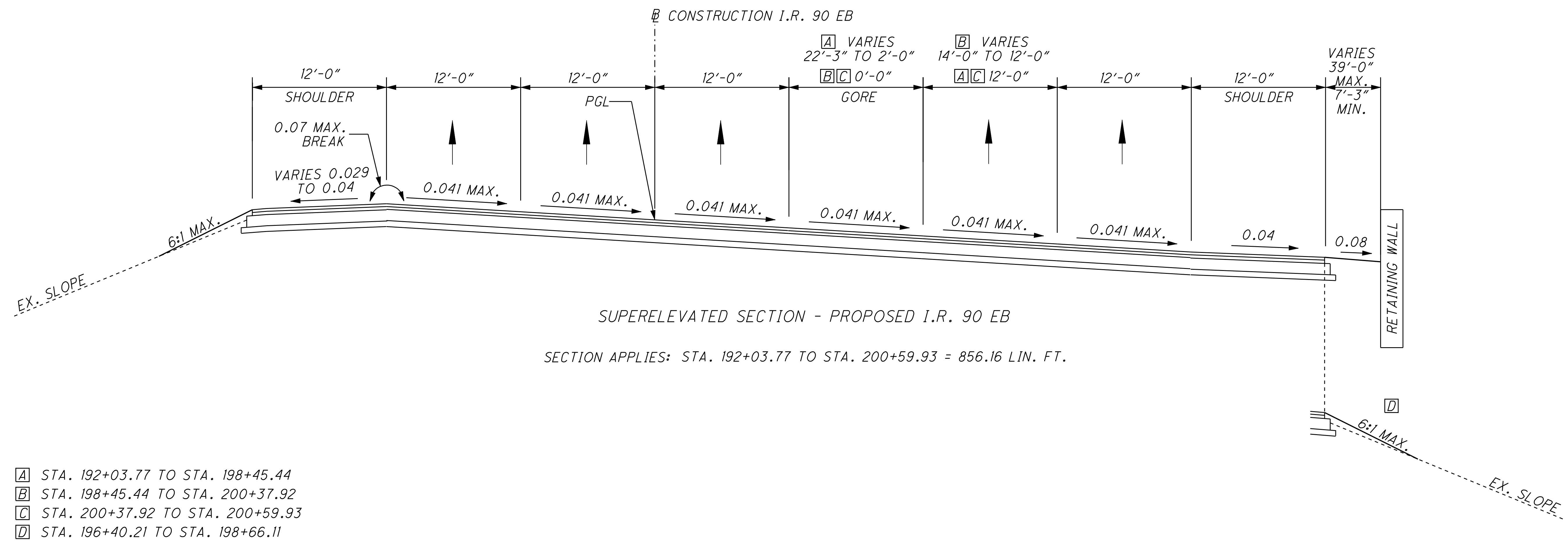
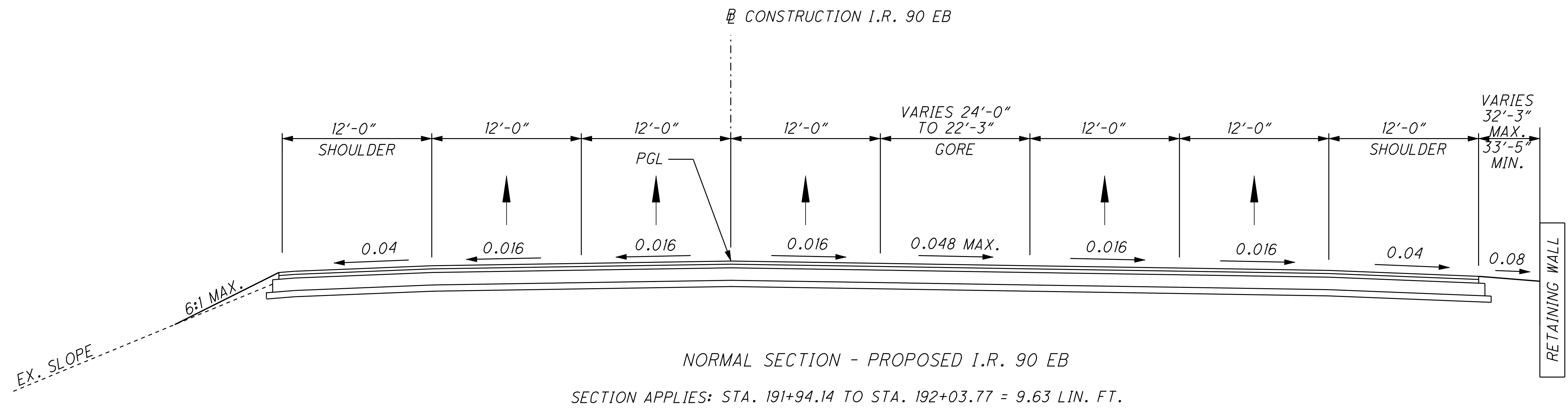
SECTION APPLIES: STA. 176+30.00 TO STA. 177+89.01 = 159.01 LIN. FT.

- Ⓔ STA. 176+60.19 TO STA. 177+89.01



TYPICAL SECTIONS - CONTRACT GROUP 3
 I.R. 90 EB

CUY-90-14.90

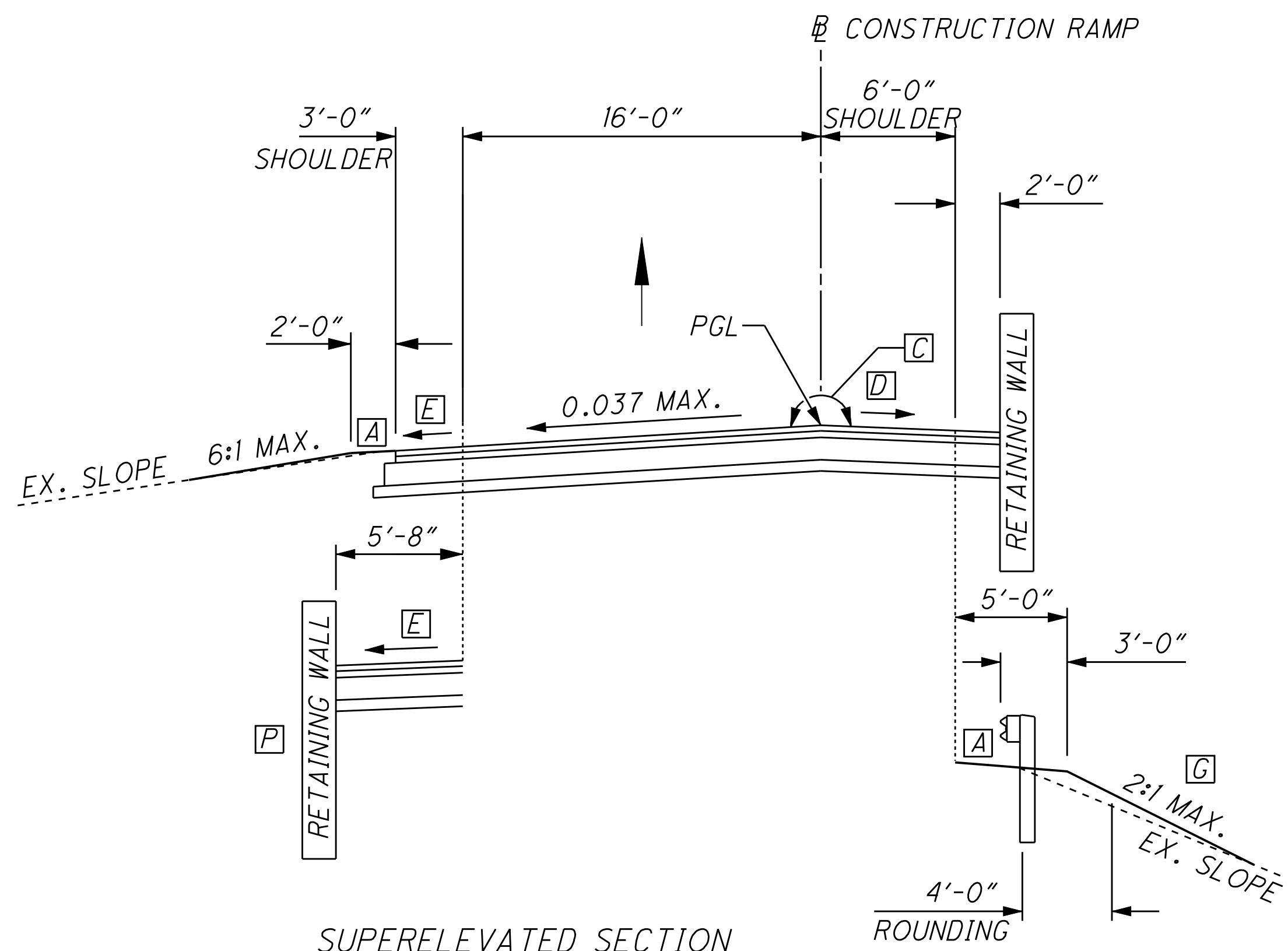


- STA. 192+03.77 TO STA. 198+45.44
- STA. 198+45.44 TO STA. 200+37.92
- STA. 200+37.92 TO STA. 200+59.93
- STA. 196+40.21 TO STA. 198+66.11

TYPICAL SECTIONS - CONTRACT GROUP 3
I.R. 90 EB

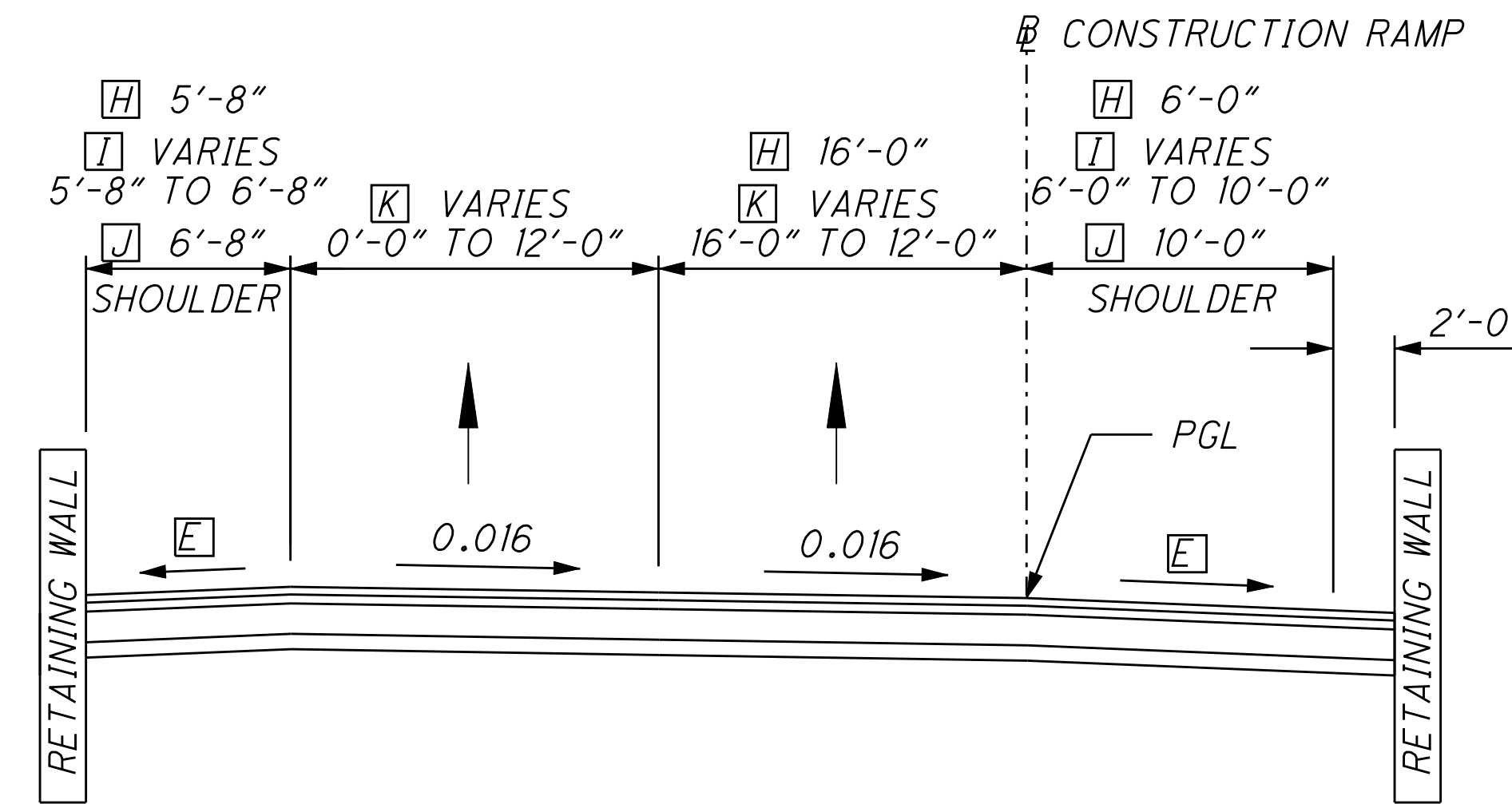
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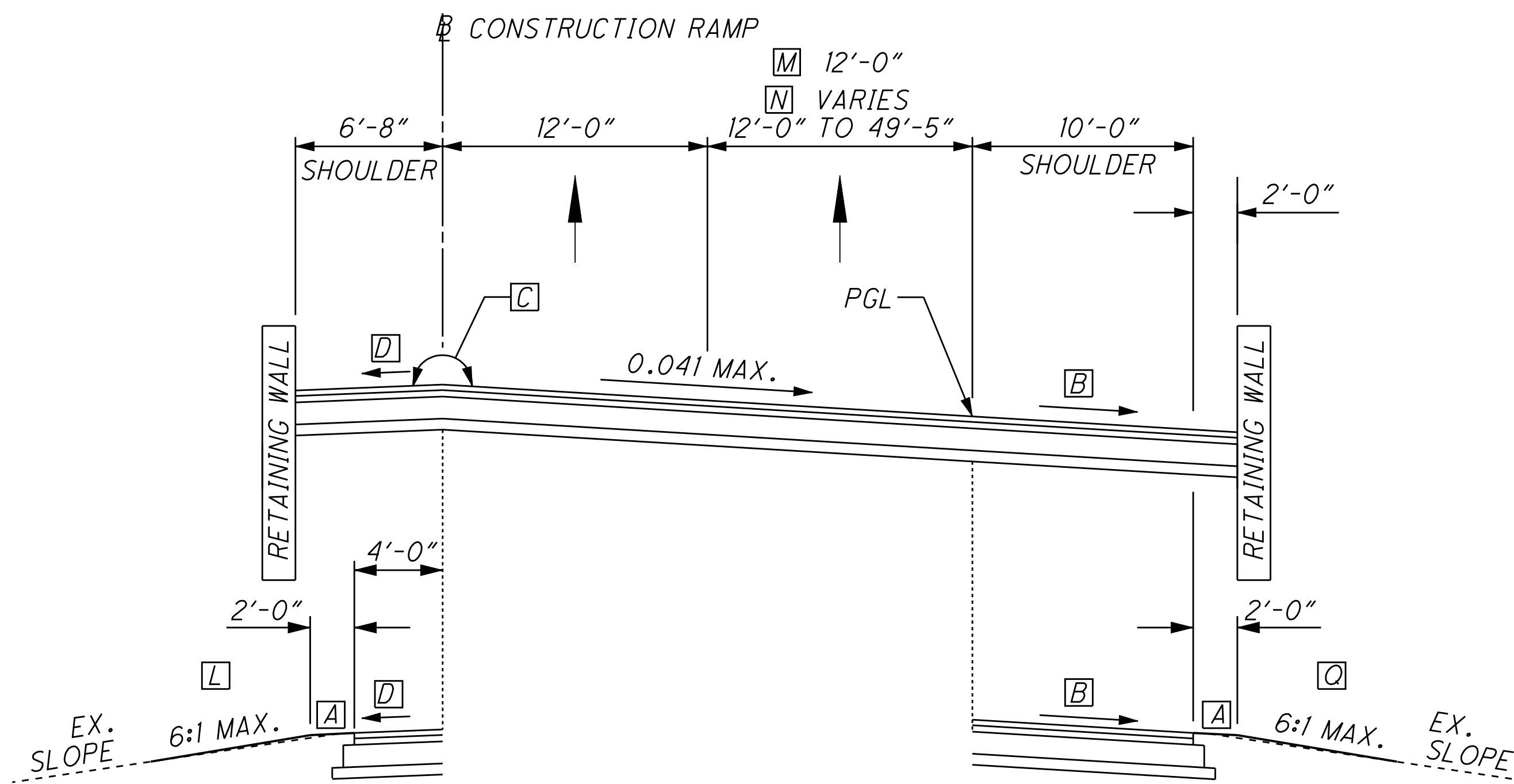
SUPERELEVATED SECTION

SECTION APPLIES:
RAMP HI STA. 144+64.24 TO STA. 146+70.57 = 206.33 LIN. FT.



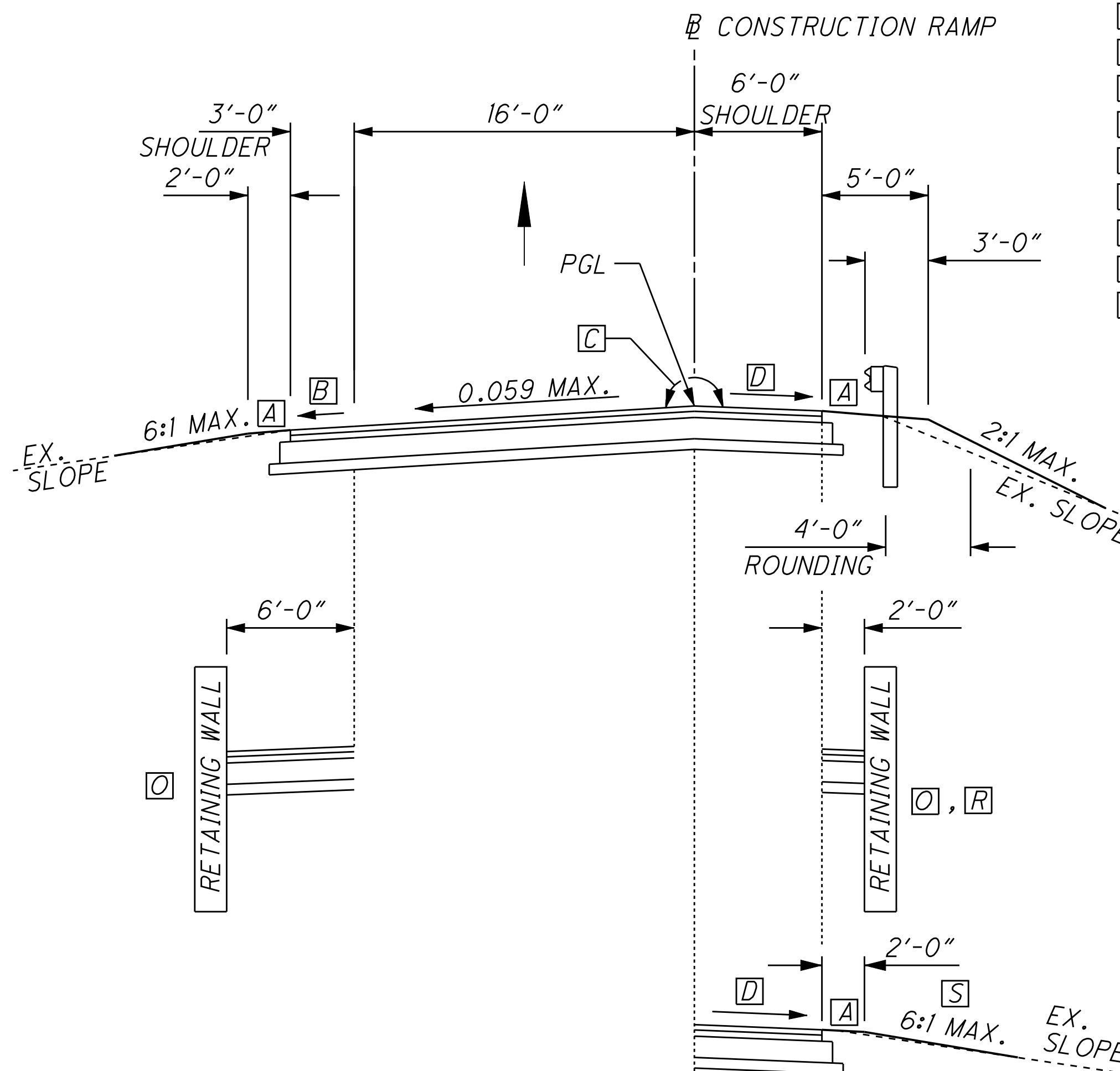
NORMAL CROWN SECTION APPLIES:

RAMP HI - STA. 146+70.57 TO STA. 147+88.57 = 118.00 LIN. FT.



SUPERELEVATED SECTION

SECTION APPLIES:
RAMP HI STA. 147+88.57 TO STA. 150+34.77 = 246.20 LIN. FT.

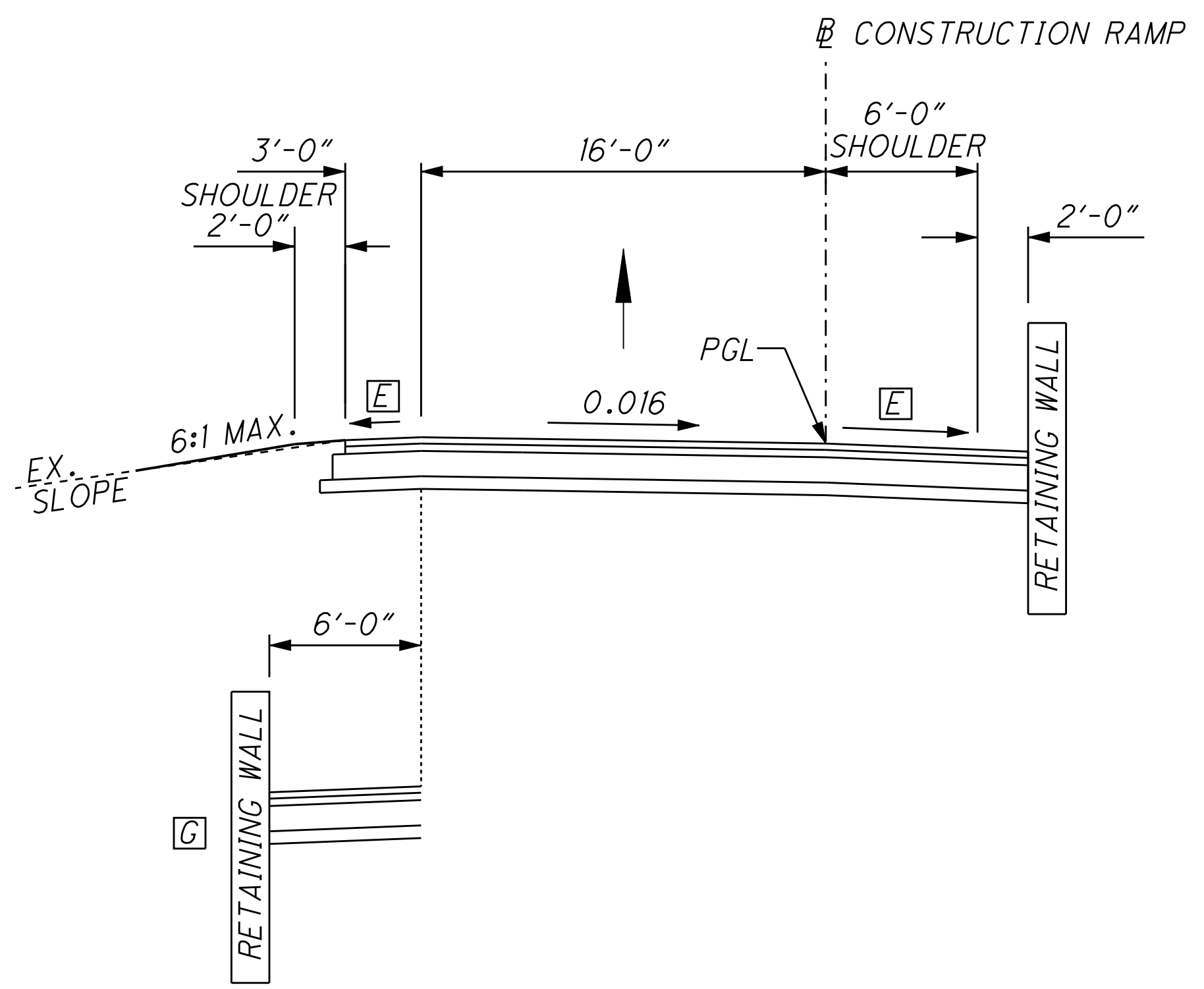


SUPERELEVATED SECTION

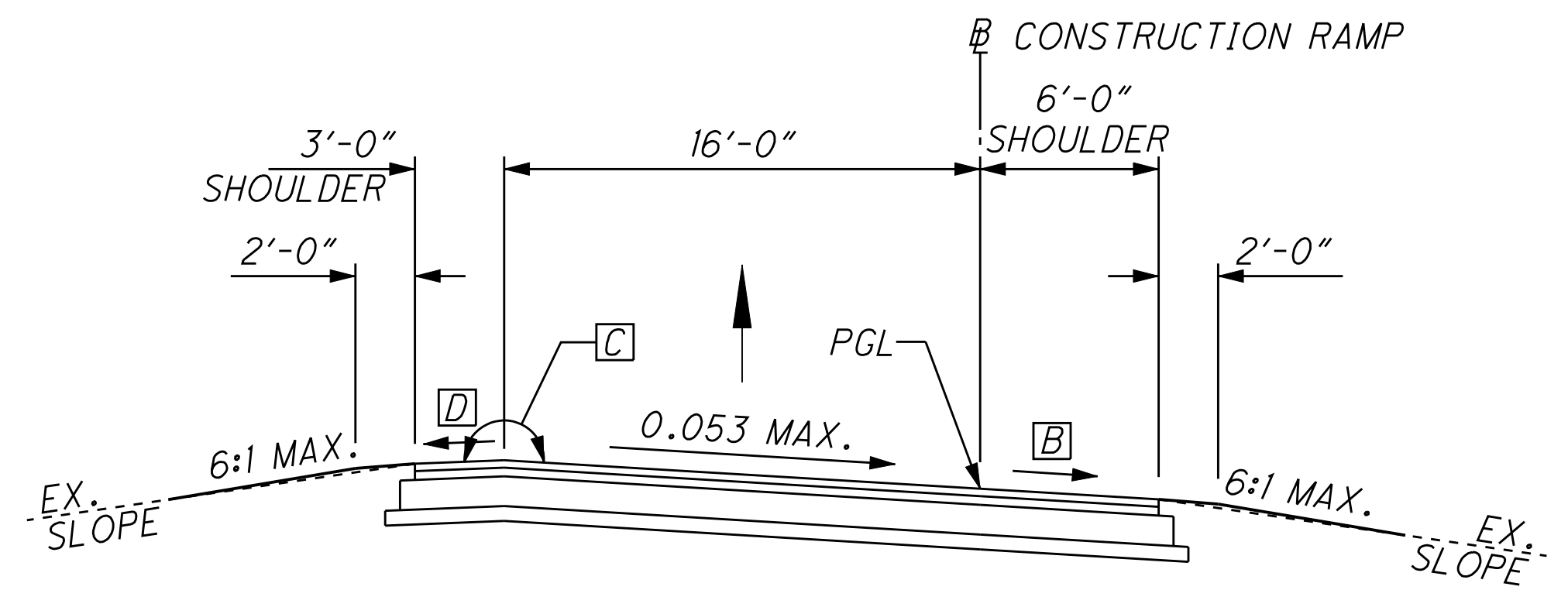
SECTION APPLIES:
RAMP H2 STA. 345+94.34 TO STA. 350+50.00 = 455.66 LIN. FT.
RAMP H2 STA. 359+54.43 TO STA. 359+59.83 = 5.40 LIN. FT.
RAMP H2 STA. 362+16.97 TO STA. 366+24.56 = 407.59 LIN. FT.
TOTAL = 868.65 LIN. FT.

- G STA. 144+59.51 TO STA. 144+99.99
- H STA. 146+70.57 TO STA. 147+00.00
- I STA. 147+00.00 TO STA. 147+50.00
- J STA. 147+50.00 TO STA. 147+88.57
- K STA. 147+00.00 TO STA. 147+88.57
- L STA. 149+25.99 TO STA. 150+34.77
- M STA. 147+88.57 TO STA. 149+66.06
- N STA. 149+66.06 TO STA. 150+34.77
- O STA. 359+54.43 TO STA. 361+00.00
- P STA. 145+96.43 TO STA. 146+70.57
- Q STA. 149+00.07 TO STA. 150+34.77
- R STA. 362+16.97 TO STA. 363+79.76
- S STA. 363+79.87 TO STA. 366+24.56

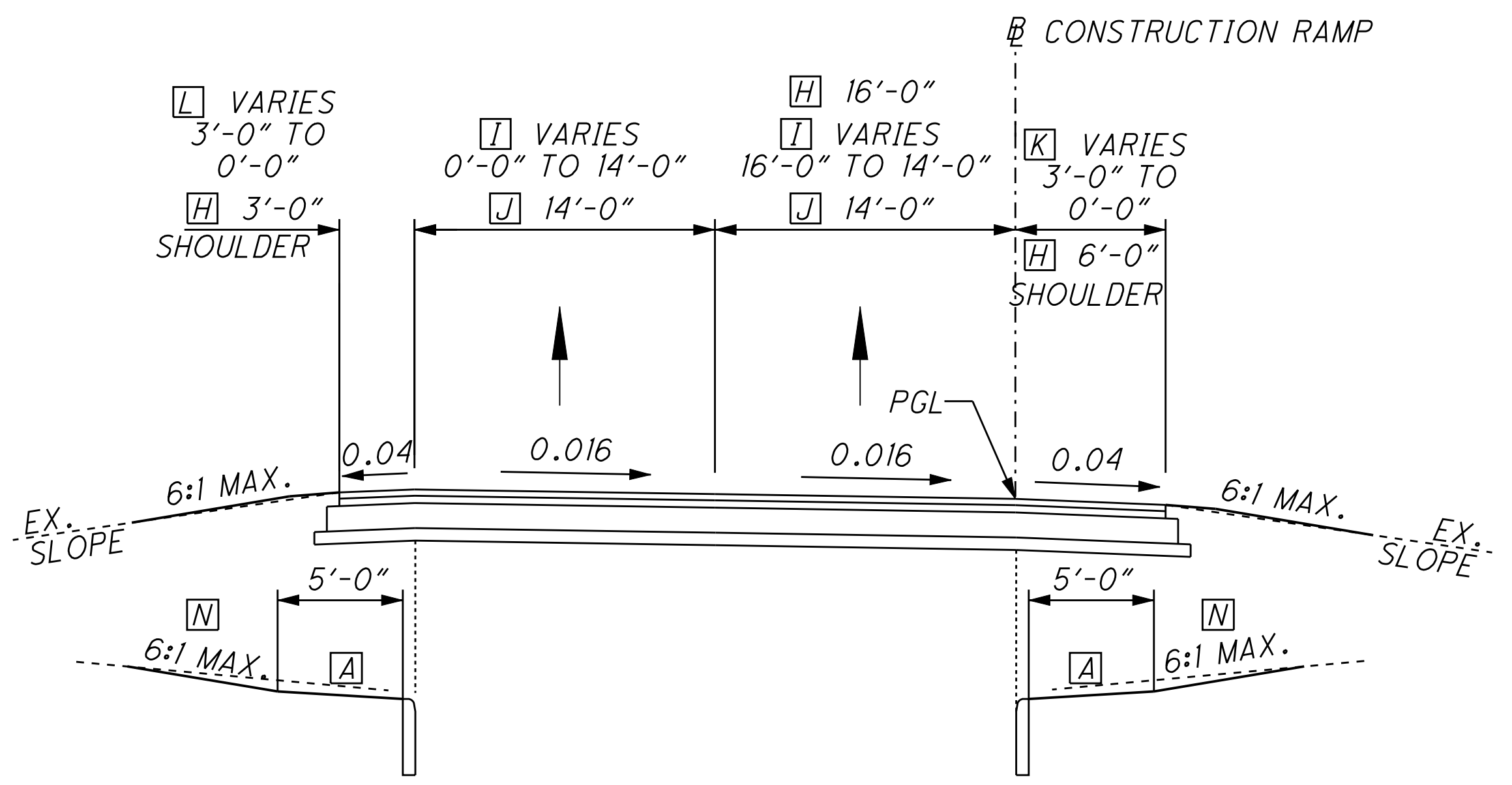
- A 0.08 SLOPE
- B 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C 0.07 MAX. BREAK
- D VARIES 0.04 TO 0.011
- E 0.04 SLOPE
- F WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.



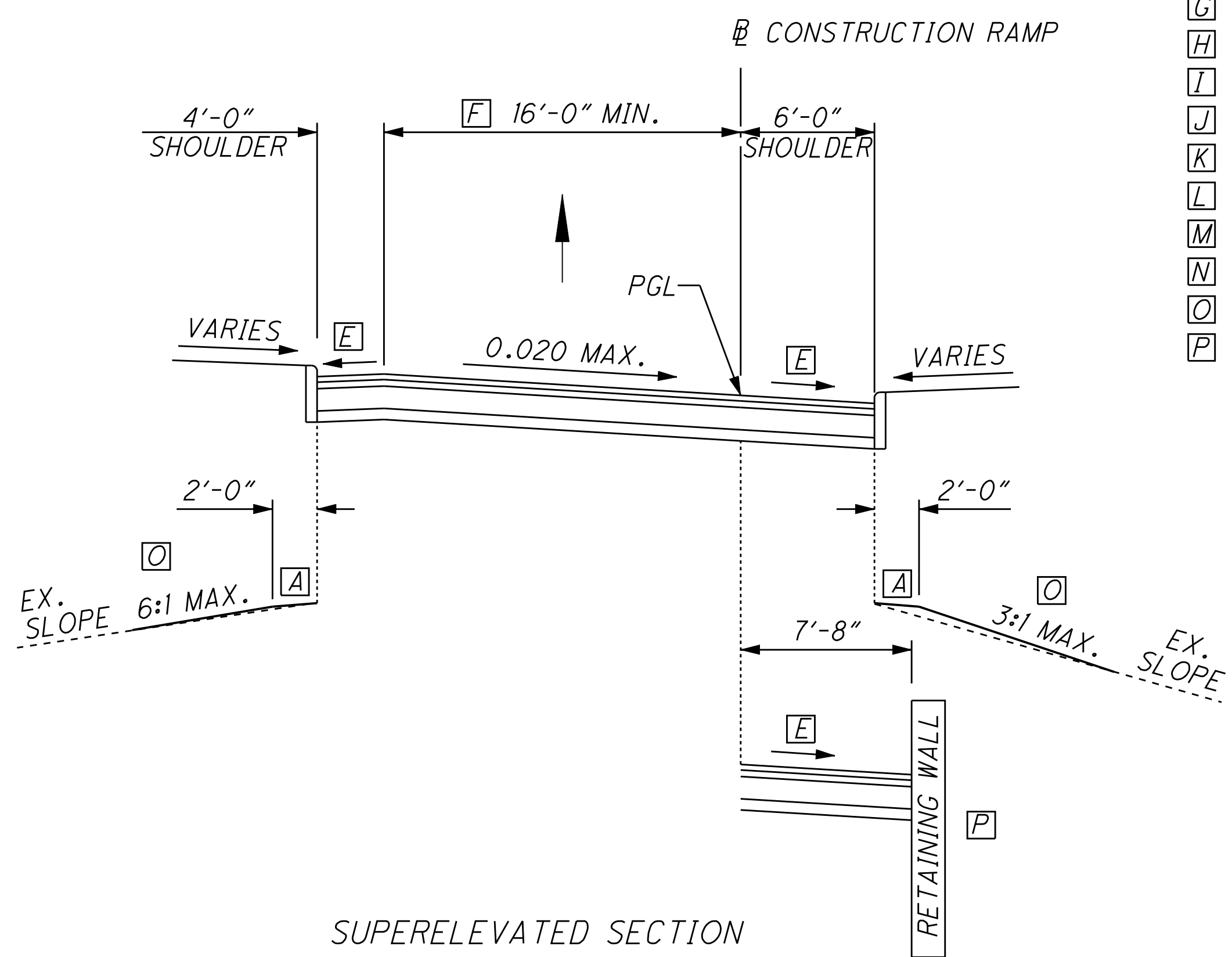
NORMAL CROWN SECTION APPLIES:
RAMP H2 - STA. 359+59.83 TO STA. 362+16.97 = 257.14 LIN. FT.



SUPERELEVATED SECTION SECTION APPLIES:
RAMP H2 STA. 368+90.19 TO STA. 371+28.31 = 238.12 LIN. FT.
RAMP H4 STA. 776+32.05 TO STA. 782+79.27 = 647.22 LIN. FT.
TOTAL = 885.34 LIN. FT.



NORMAL CROWN SECTION APPLIES:
RAMP H2 - STA. 371+28.31 TO STA. 375+51.65 = 423.34 LIN. FT.

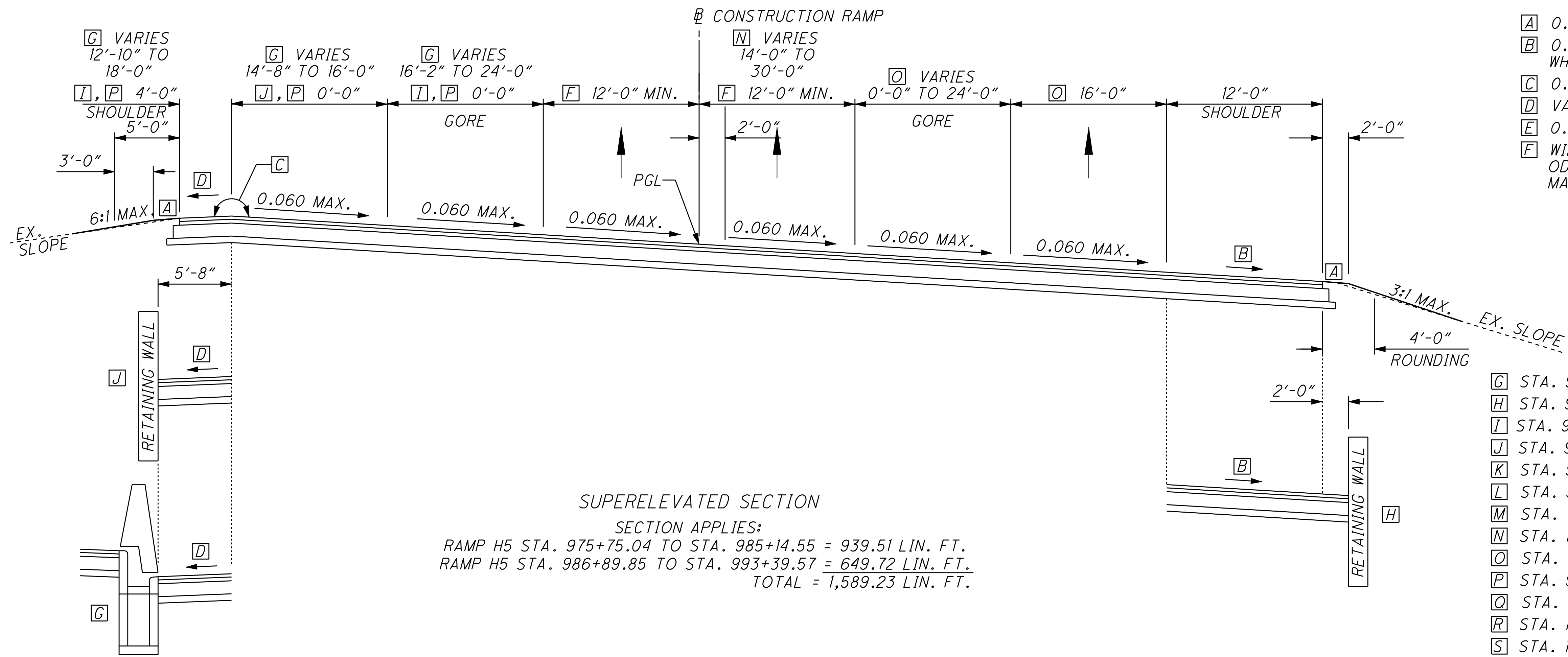


SUPERELEVATED SECTION SECTION APPLIES:
RAMP H3 STA. 556+20.46 TO STA. 561+55.16 = 534.70 LIN. FT.

- G STA. 359+59.83 TO STA. 361+00.00
- H STA. 371+28.31 TO STA. 371+50.00
- I STA. 371+50.00 TO STA. 372+00.00
- J STA. 372+00.00 TO STA. 375+51.65
- K STA. 371+50.00 TO STA. 371+60.63
- L STA. 371+50.00 TO STA. 371+62.67
- M STA. 371+60.63 TO STA. 375+51.65
- N STA. 371+62.67 TO STA. 375+51.65
- O STA. 558+34.97 TO STA. 561+55.16
- P STA. 560+88.95 TO STA. 561+55.16

- A 0.08 SLOPE
- B 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C 0.07 MAX. BREAK
- D VARIES 0.04 TO 0.017
- E 0.04 SLOPE
- F WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

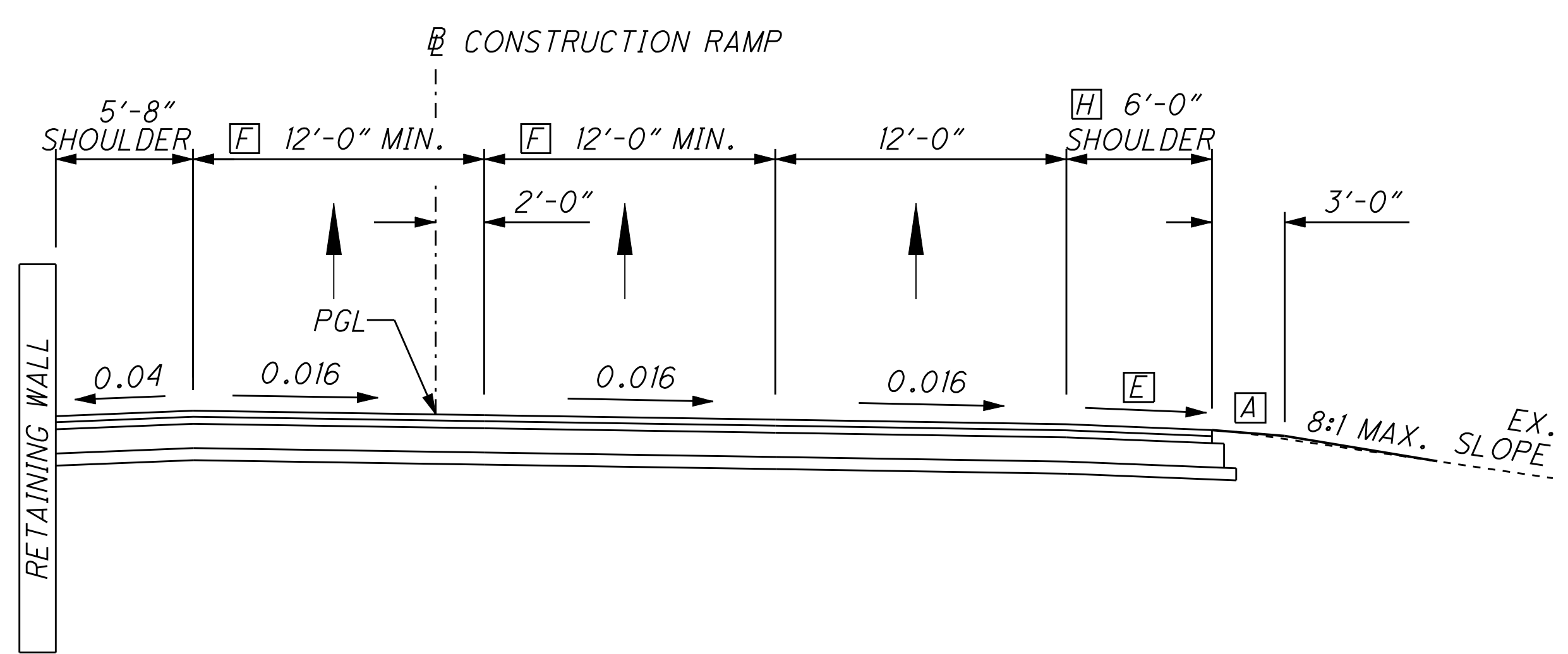
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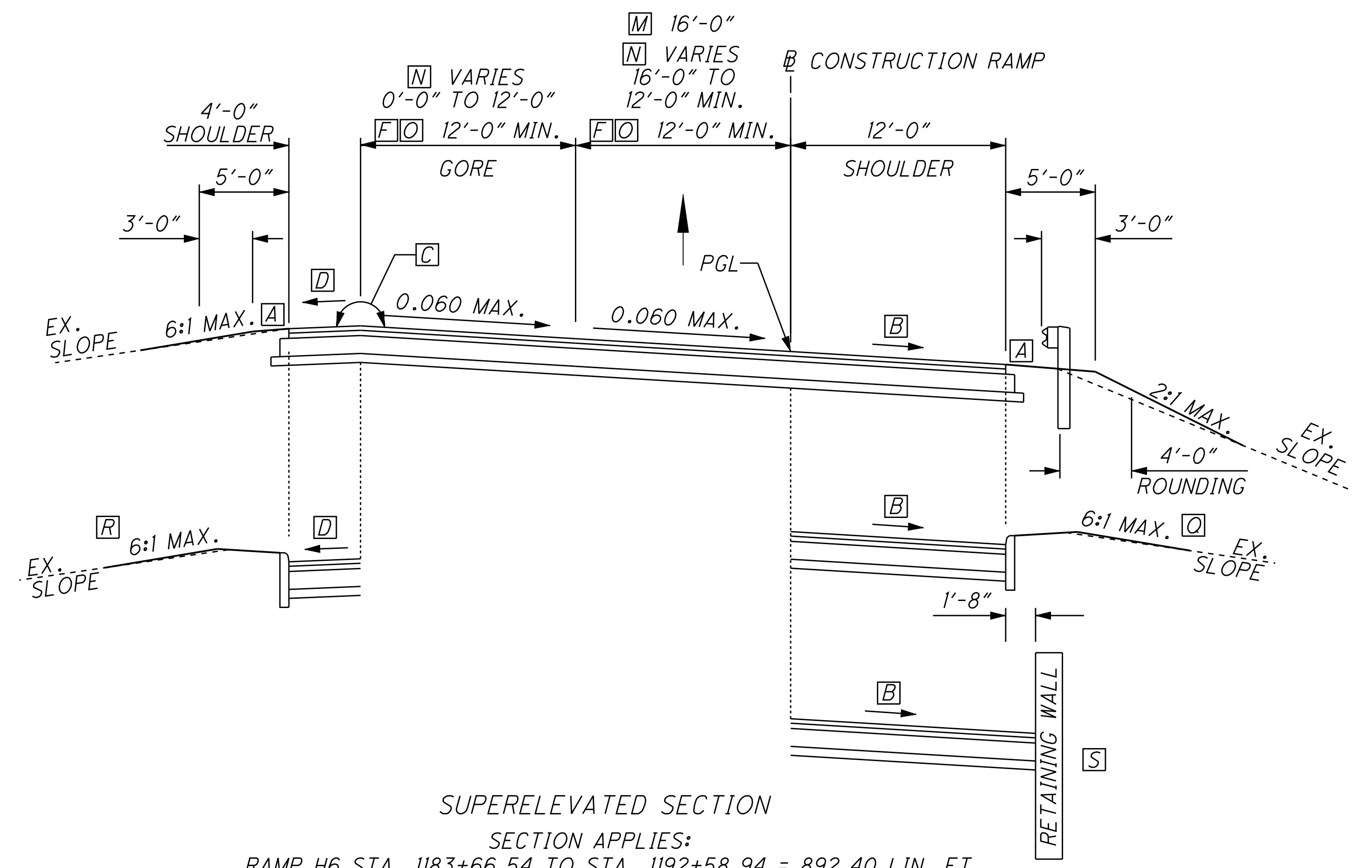
SUPERELEVATED SECTION
 SECTION APPLIES:
 RAMP H5 STA. 975+75.04 TO STA. 985+14.55 = 939.51 LIN. FT.
 RAMP H5 STA. 986+89.85 TO STA. 993+39.57 = 649.72 LIN. FT.
 TOTAL = 1,589.23 LIN. FT.

- [A] 0.08 SLOPE
- [B] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- [C] 0.07 MAX. BREAK
- [D] VARIES 0.04 TO 0.01
- [E] 0.04 SLOPE
- [F] WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

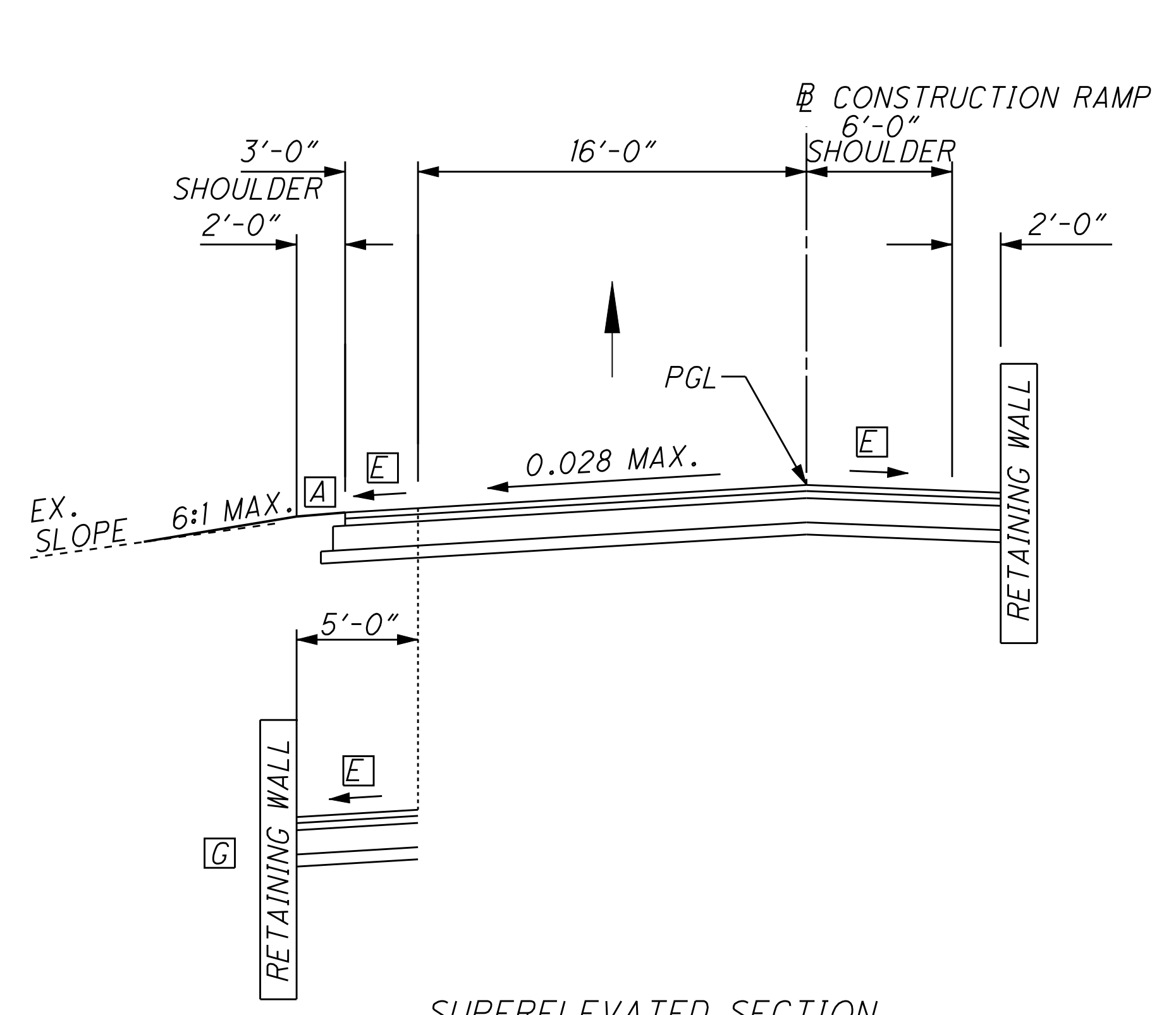
- [G] STA. 975+75.04 TO STA. 976+24.39
- [H] STA. 975+75.04 TO STA. 981+05.36
- [I] STA. 976+24.39 TO STA. 977+40.00
- [J] STA. 977+40.00 TO STA. 988+56.64
- [K] STA. 978+55.15 TO STA. 981+85.23
- [L] STA. 981+85.23 TO STA. 983+90.10
- [M] STA. 1183+66.54 TO STA. 1185+50.00
- [N] STA. 1185+50.00 TO STA. 1186+00.00
- [O] STA. 1186+00.00 TO STA. 1192+58.94
- [P] STA. 988+56.64 TO STA. 993+39.57
- [Q] STA. 1192+10.59 TO STA. 1192+58.94
- [R] STA. 1191+77.92 TO STA. 1192+58.94
- [S] STA. 1186+05.15 TO STA. 1190+20.00



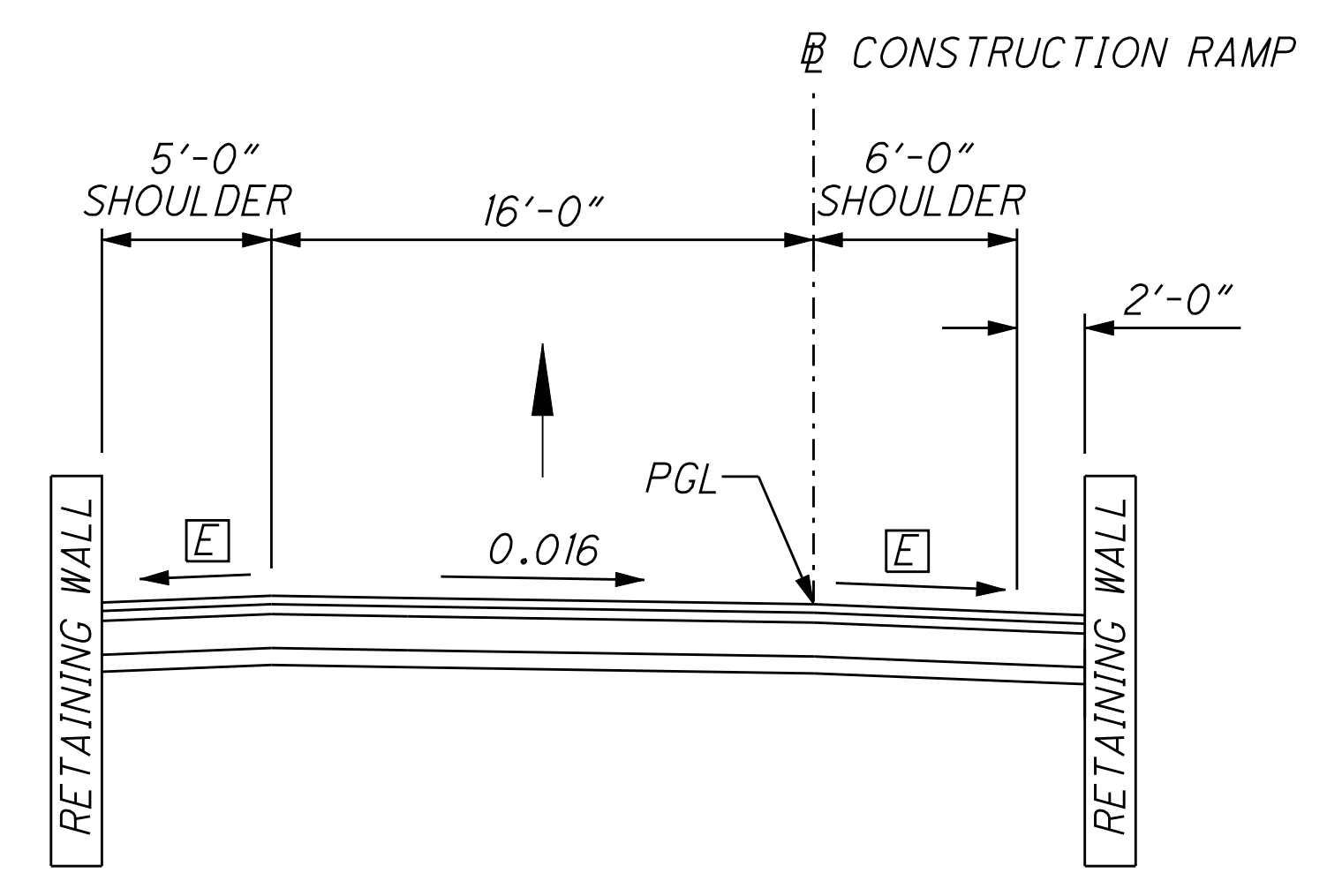
NORMAL CROWN SECTION APPLIES:
 RAMP H5 - STA. 985+14.55 TO STA. 986+89.85 = 175.30 LIN. FT.



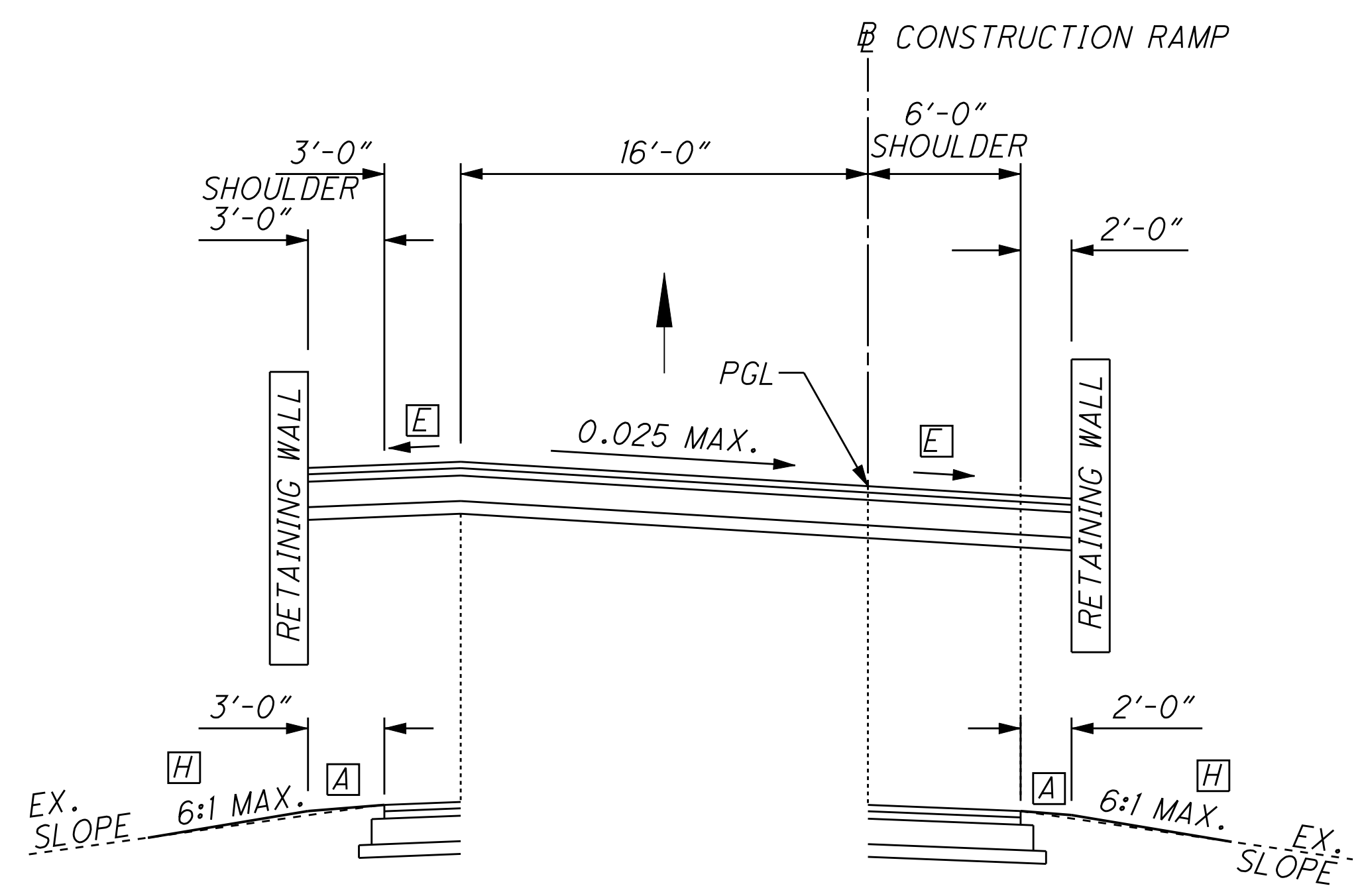
SUPERELEVATED SECTION SECTION APPLIES:
 RAMP H6 STA. 1183+66.54 TO STA. 1192+58.94 = 892.40 LIN. FT.



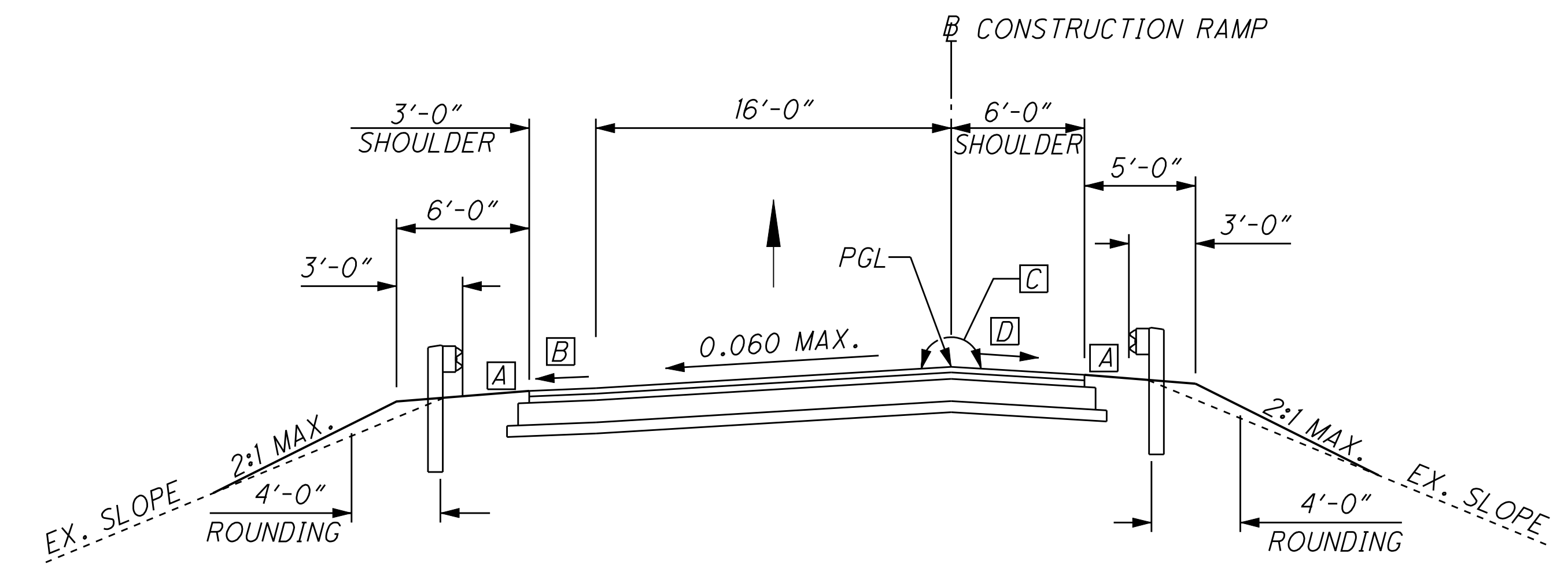
SUPERELEVATED SECTION
SECTION APPLIES:
RAMP J2 STA. 5434+04.99 TO STA. 5435+12.77 = 107.78 LIN. FT.
RAMP J2 STA. 5439+78.76 TO STA. 5441+64.91 = 186.15 LIN. FT.
TOTAL = 293.93 LIN. FT.



NORMAL CROWN SECTION APPLIES:
RAMP J2 - STA. 5441+64.91 TO STA. 5442+39.83 = 74.92 LIN. FT.



SUPERELEVATED SECTION
SECTION APPLIES:
RAMP J2 STA. 5442+39.83 TO STA. 5445+76.80 = 336.97 LIN. FT.

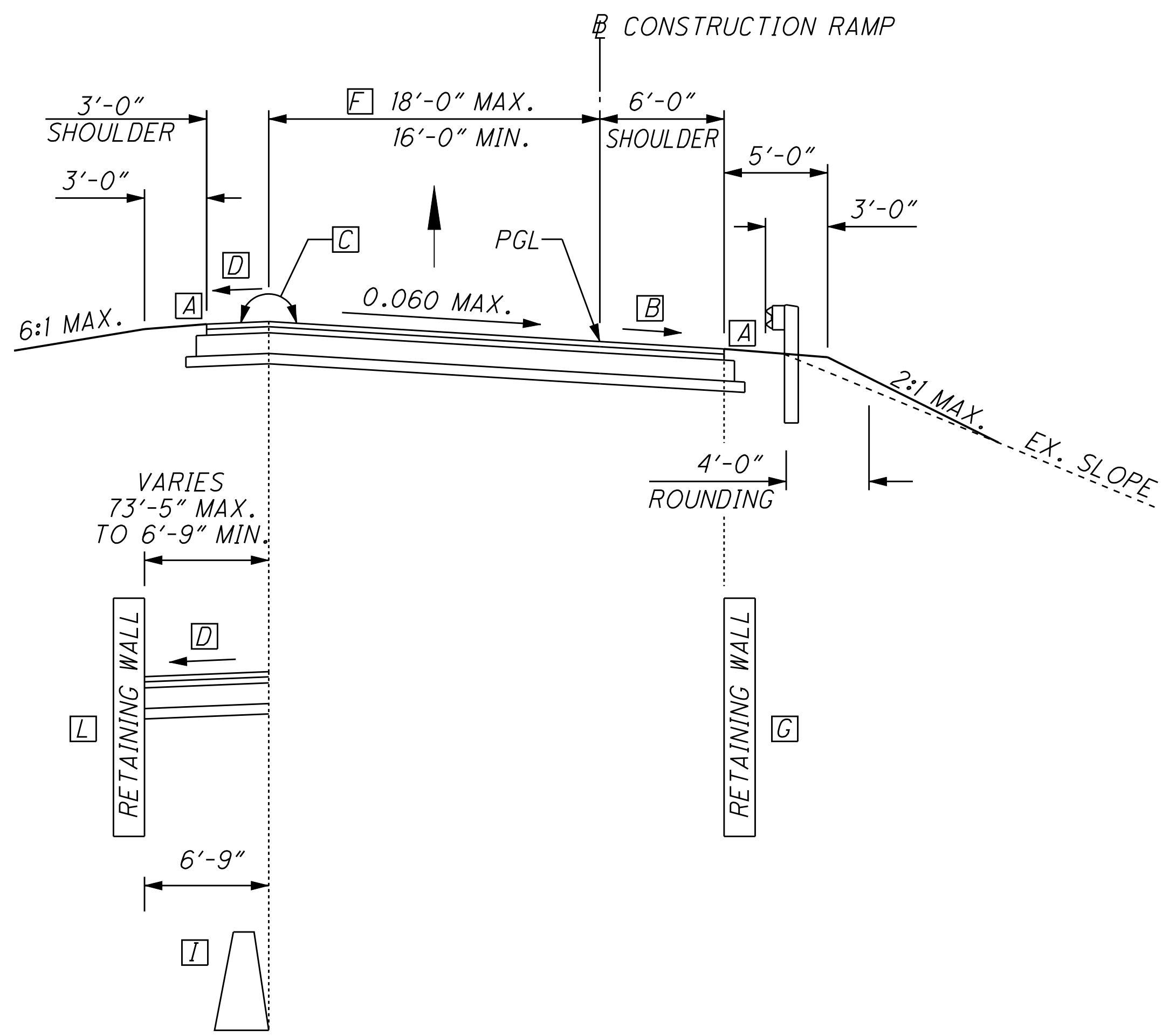


SUPERELEVATED SECTION
SECTION APPLIES:
RAMP J3 STA. 19+34.48 TO STA. 24+25.57 = 491.09 LIN. FT.
RAMP J3 STA. 26+65.38 TO STA. 27+60.45 = 95.07 LIN. FT.
TOTAL = 586.16 LIN. FT.

- A 0.08 SLOPE
- B 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C 0.07 MAX. BREAK
- D VARIES 0.04 TO 0.01
- E 0.04 SLOPE
- F WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

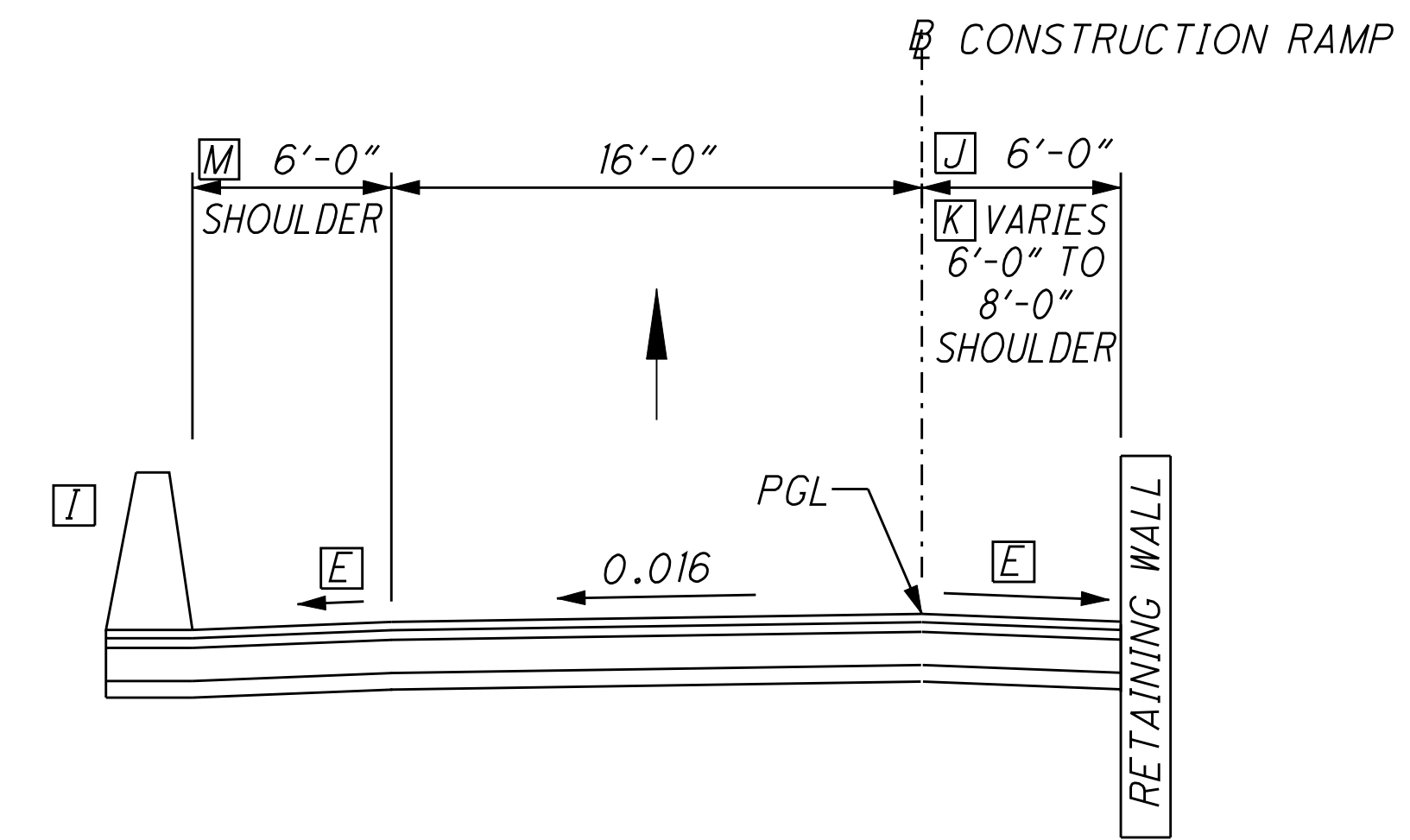
- G STA. 5439+78.76 TO STA. 5441+64.91
- H STA. 5445+24.89 TO STA. 5445+76.80

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SUPERELEVATED SECTION

SECTION APPLIES:
 RAMP A1 STA. 301+33.81 TO STA. 304+00.00 = 266.19 LIN. FT.
 RAMP J3 STA. 16+67.83 TO STA. 19+34.48 = 266.65 LIN. FT.
 TOTAL = 532.84 LIN. FT.

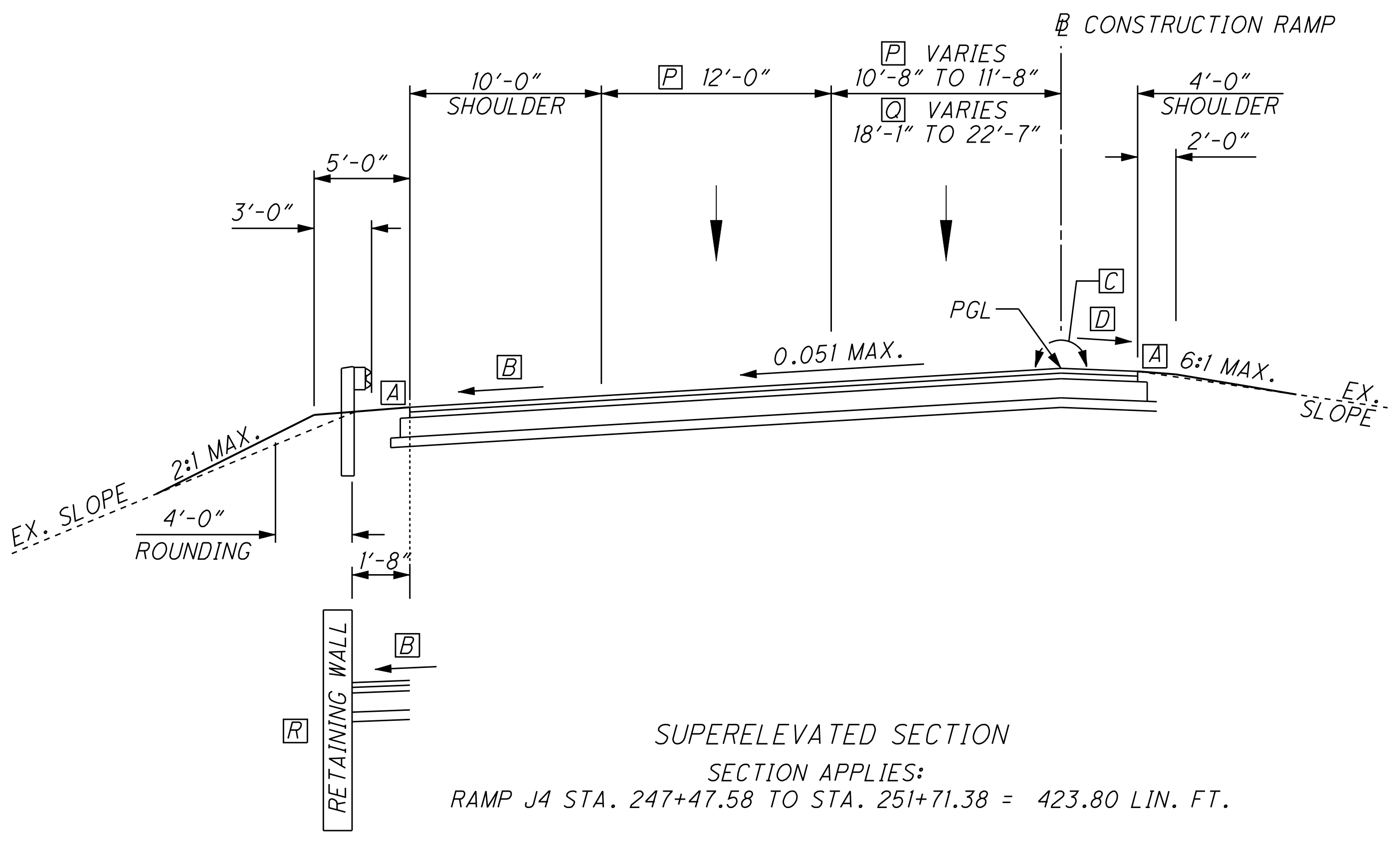


NORMAL CROWN SECTION APPLIES:

RAMP A1 - STA. 304+00.00 TO STA. 307+50.00 = 350.00 LIN. FT.

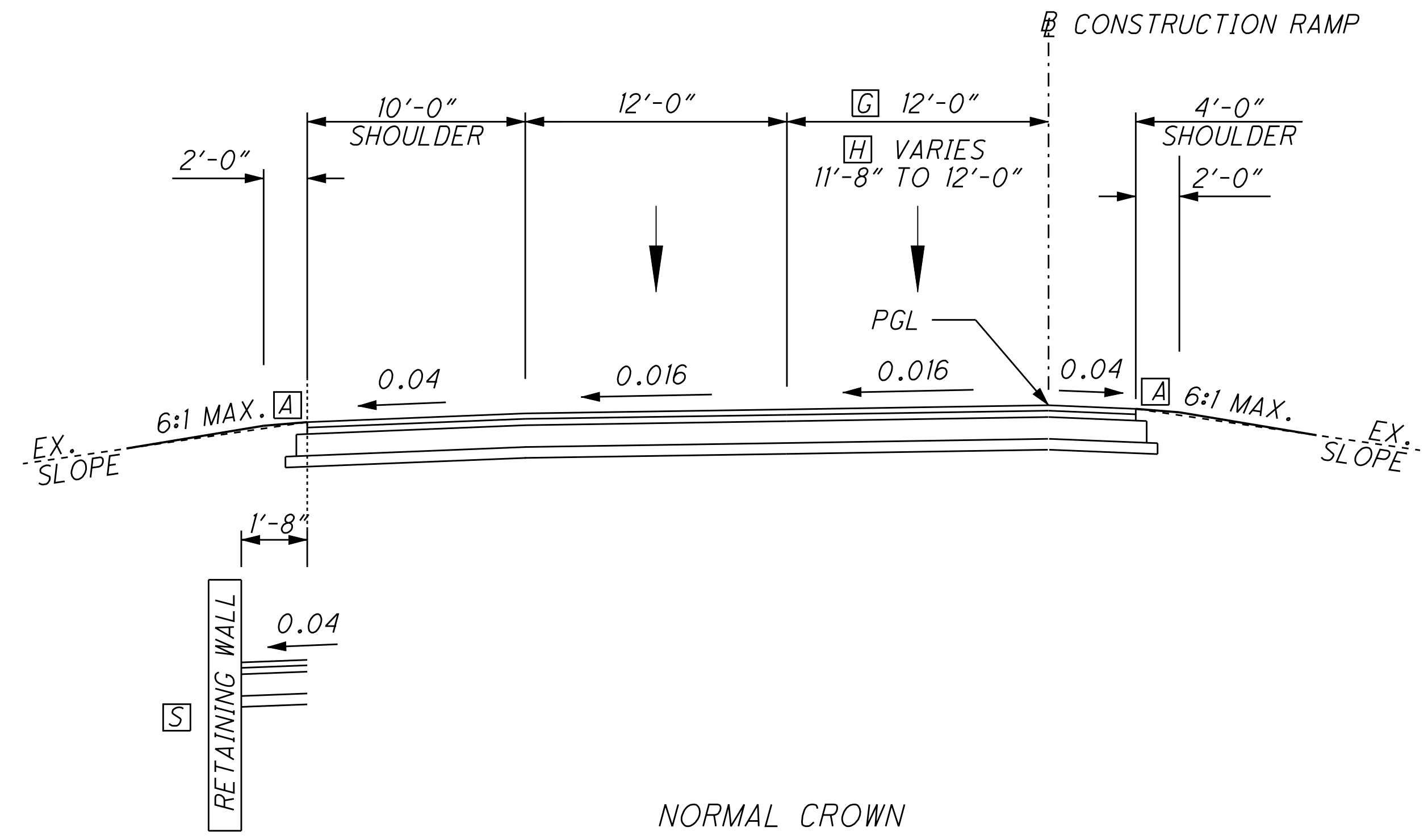
- [A] 0.08 SLOPE
- [B] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- [C] 0.07 MAX. BREAK
- [D] VARIES 0.04 TO 0.01
- [E] 0.04 SLOPE
- [F] WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

- [G] STA. 302+69.35 TO STA. 304+00.00
- [H] STA. 304+00.00 TO STA. 305+59.21
- [I] STA. 303+89.94 TO STA. 304+00.00
- [J] STA. 304+00.00 TO STA. 307+00.00
- [K] STA. 307+00.00 TO STA. 307+50.00
- [L] STA. 301+73.33 TO STA. 303+89.94
- [M] STA. 305+59.21 TO STA. 307+50.00
- [N] STA. 251+93.55 TO STA. 252+80.44
- [O] STA. 251+71.38 TO STA. 251+93.55
- [P] STA. 250+90.21 TO STA. 251+71.38
- [Q] STA. 247+47.58 TO STA. 250+90.21
- [R] STA. 249+75.00 TO STA. 251+71.38
- [S] STA. 251+71.38 TO STA. 252+40.00



SUPERELEVATED SECTION

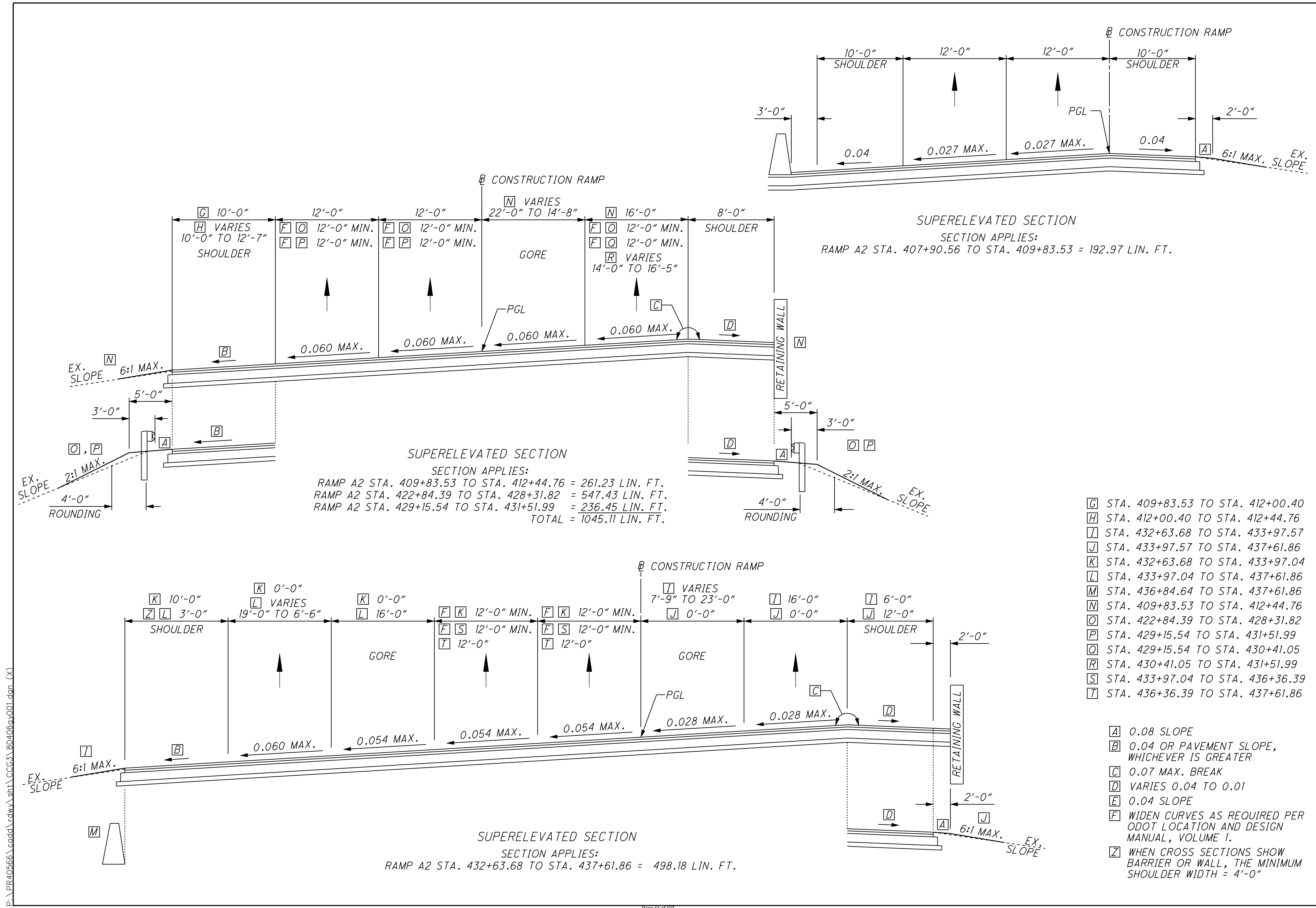
SECTION APPLIES:
 RAMP J4 STA. 247+47.58 TO STA. 251+71.38 = 423.80 LIN. FT.



NORMAL CROWN SECTION APPLIES:

RAMP J4 - STA. 251+71.38 TO STA. 252+80.44 = 109.06 LIN. FT.

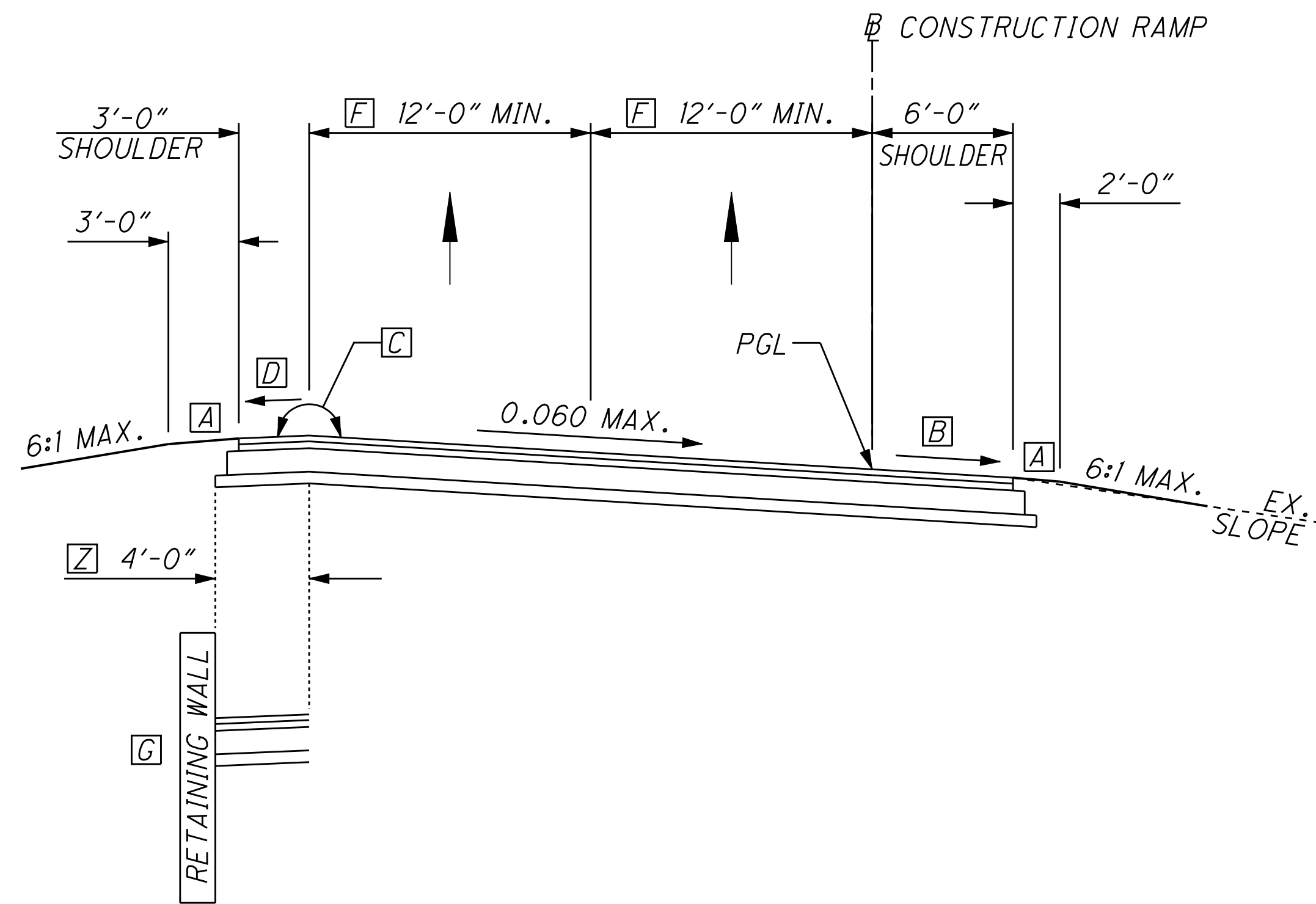
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- [G] STA. 409+83.53 TO STA. 412+00.40
- [H] STA. 412+00.40 TO STA. 412+44.76
- [I] STA. 432+63.68 TO STA. 433+97.57
- [J] STA. 433+97.57 TO STA. 437+61.86
- [K] STA. 432+63.68 TO STA. 433+97.04
- [L] STA. 433+97.04 TO STA. 437+61.86
- [M] STA. 436+84.64 TO STA. 437+61.86
- [N] STA. 409+83.53 TO STA. 412+44.76
- [O] STA. 422+84.39 TO STA. 428+31.82
- [P] STA. 429+15.54 TO STA. 431+51.99
- [Q] STA. 429+15.54 TO STA. 430+41.05
- [R] STA. 430+41.05 TO STA. 431+51.99
- [S] STA. 433+97.04 TO STA. 436+36.39
- [T] STA. 436+36.39 TO STA. 437+61.86

- [A] 0.08 SLOPE
- [B] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- [C] 0.07 MAX. BREAK
- [D] VARIES 0.04 TO 0.01
- [E] 0.04 SLOPE
- [F] WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.
- [Z] WHEN CROSS SECTIONS SHOW BARRIER OR WALL, THE MINIMUM SHOULDER WIDTH = 4'-0"

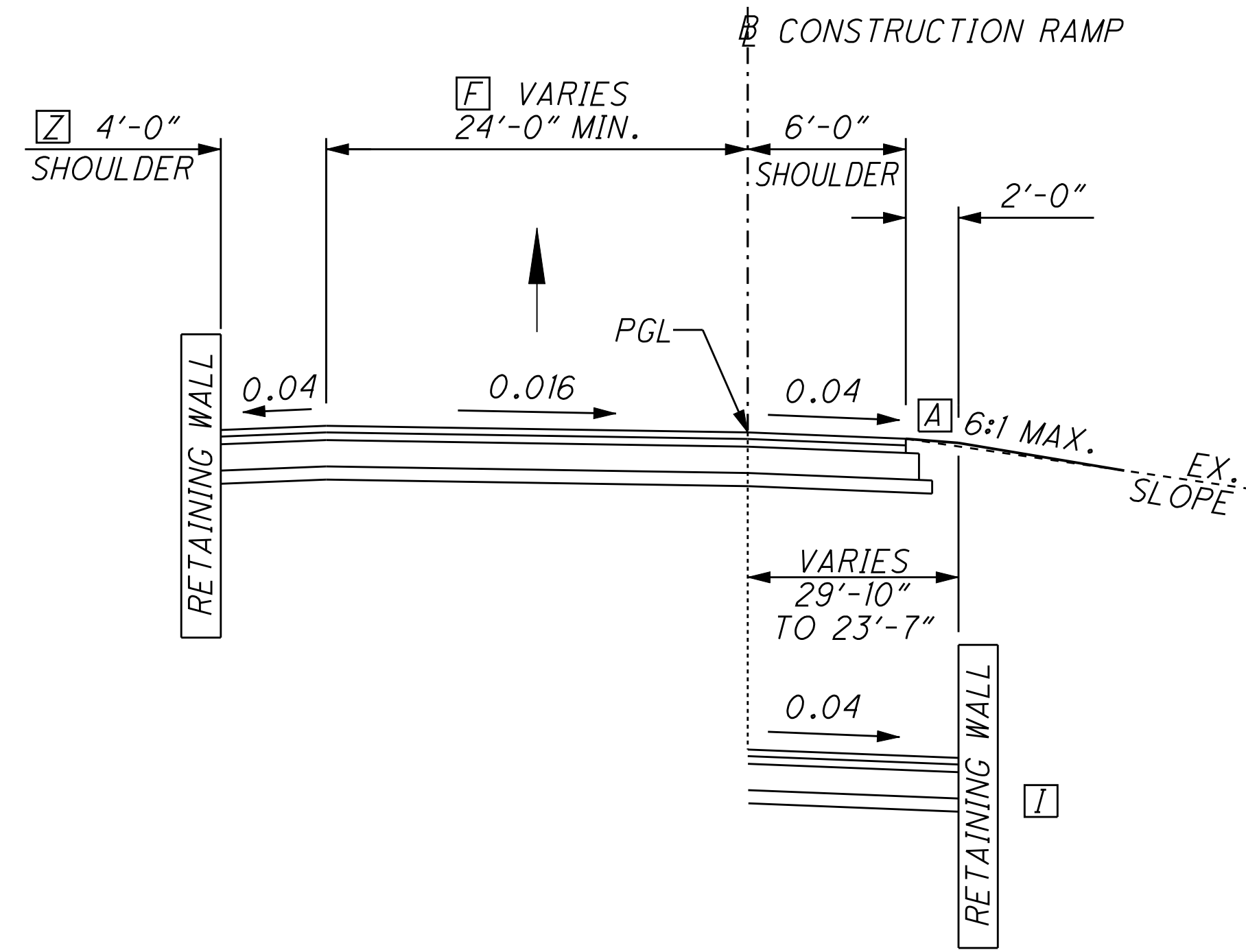
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SUPERELEVATED SECTION

SECTION APPLIES:

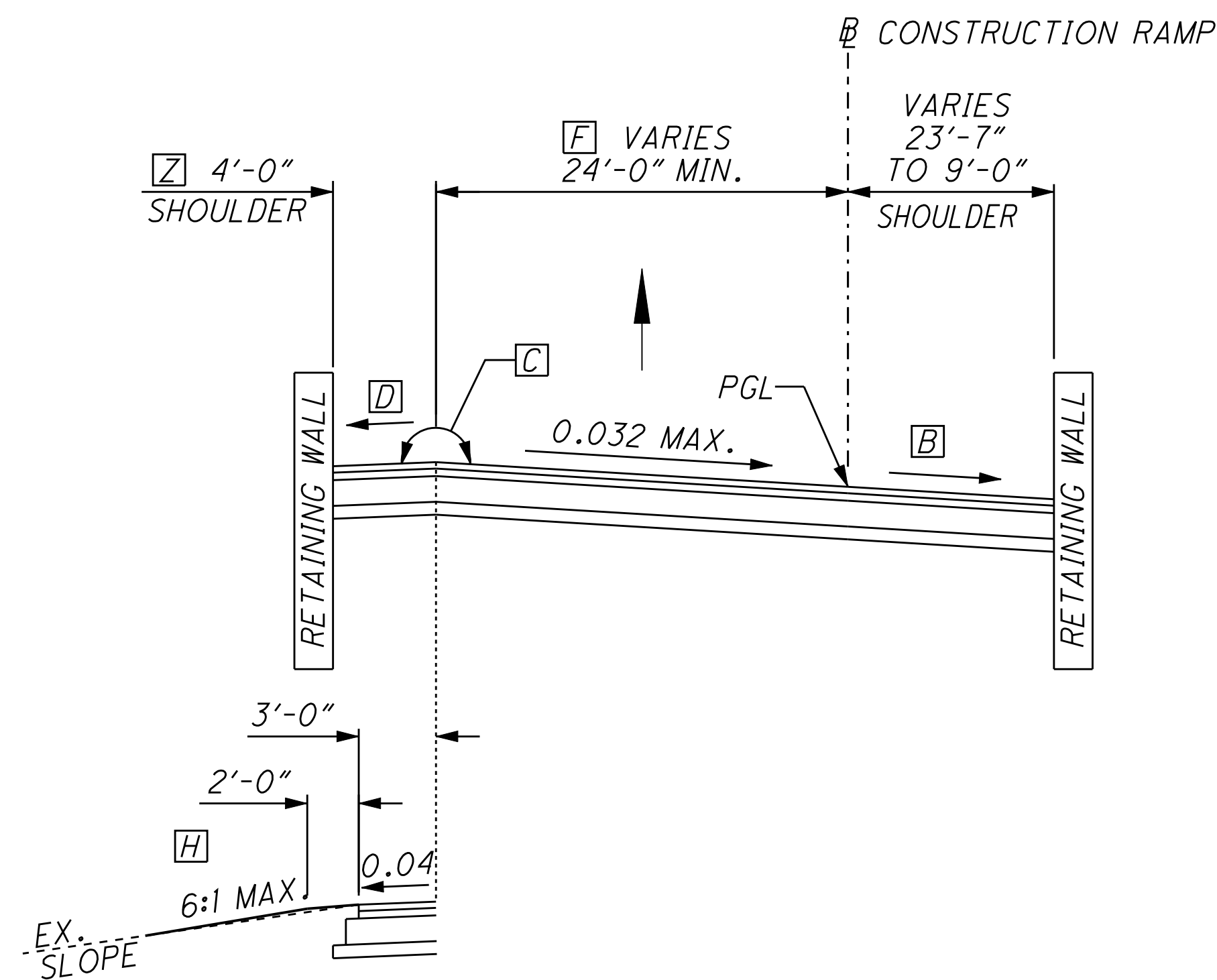
RAMP A3 STA. 500+99.90 TO STA. 504+15.70 = 315.80 LIN. FT.



NORMAL SECTION

SECTION APPLIES:

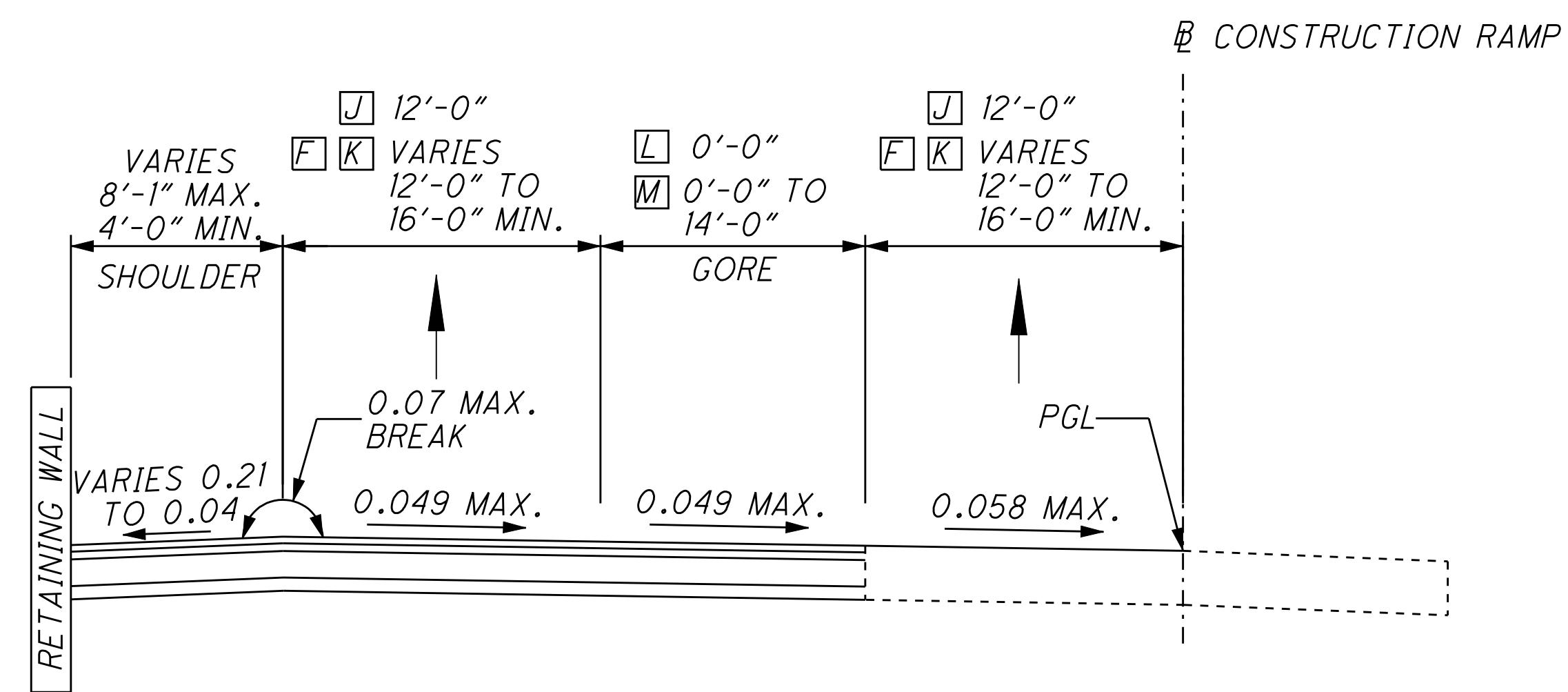
RAMP A3 STA. 504+15.70 TO STA. 507+41.96 = 326.26 LIN. FT.



SUPERELEVATED SECTION

SECTION APPLIES:

RAMP A3 STA. 507+41.96 TO STA. 510+51.33 = 309.37 LIN. FT.



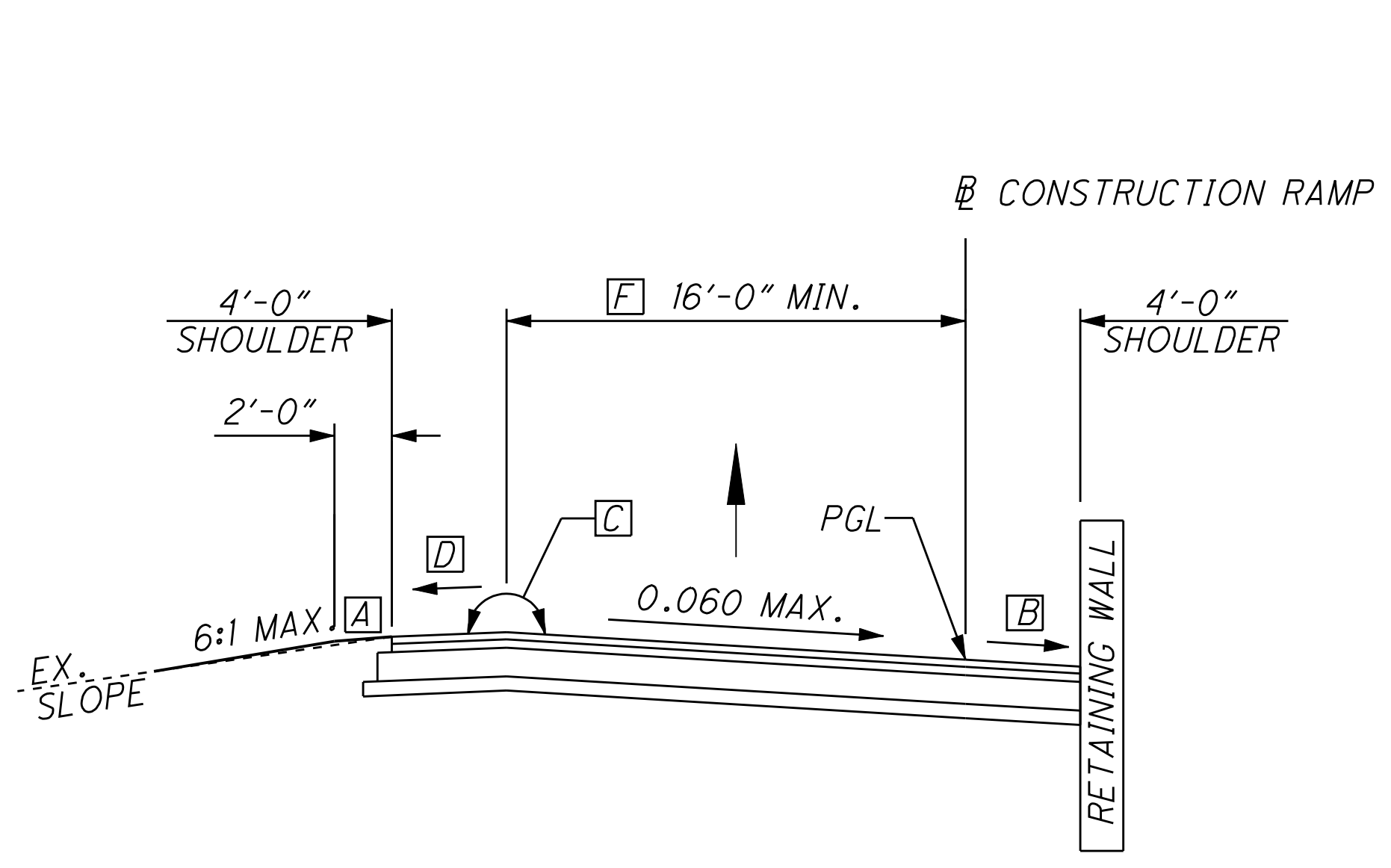
SUPERELEVATED SECTION

SECTION APPLIES:

RAMP B3 - STA. 1312+94.10 TO STA. 1316+74.38 = 380.28 LIN. FT.

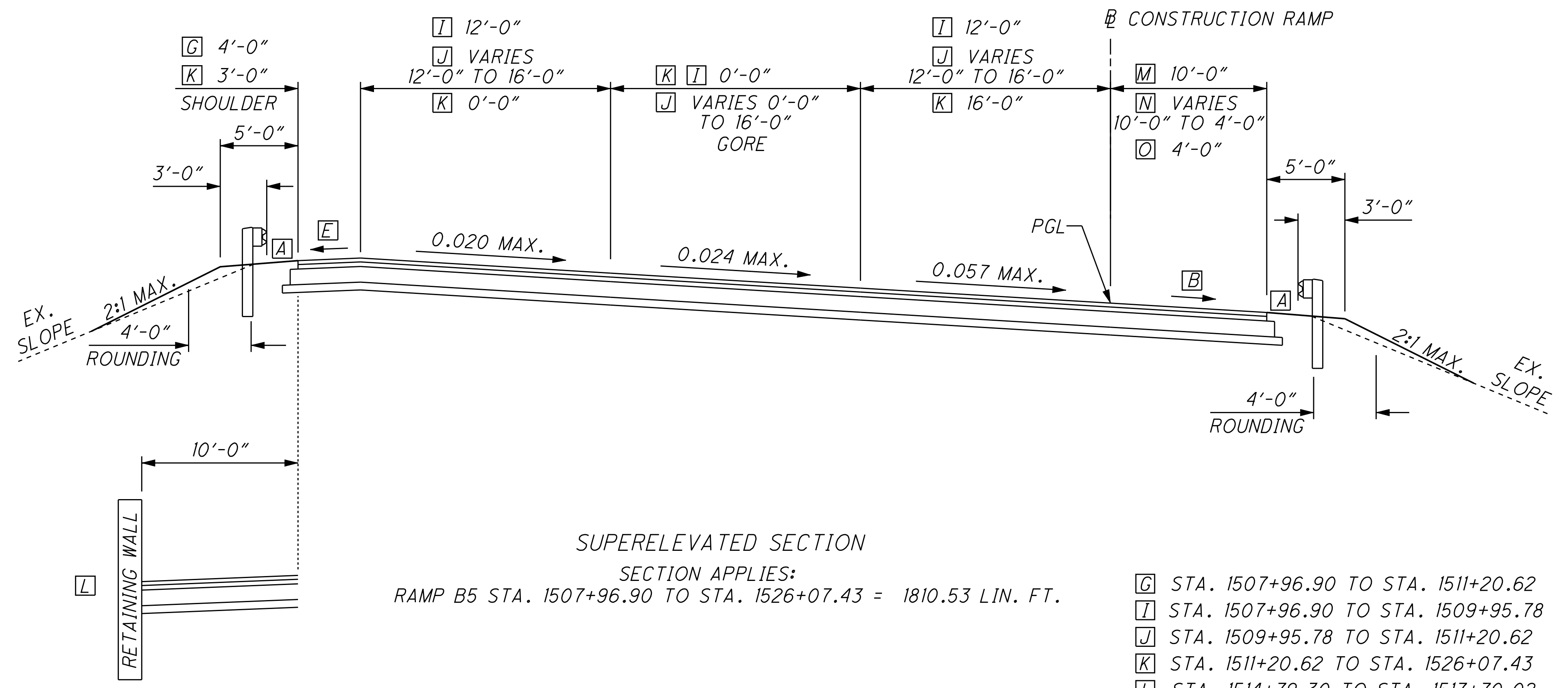
- G STA. 503+61.41 TO STA. 504+50.32
- H STA. 508+86.11 TO STA. 510+51.33
- I STA. 506+88.37 TO STA. 507+41.96
- J STA. 1312+94.10 TO STA. 1314+59.02
- K STA. 1314+59.02 TO STA. 1316+74.38
- L STA. 1312+94.10 TO STA. 1315+63.61
- M STA. 1315+63.61 TO STA. 1316+74.38

- A 0.08 SLOPE
- B 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C 0.07 MAX. BREAK
- D VARIES 0.04 TO 0.01
- E 0.04 SLOPE
- F WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.
- Z WHEN CROSS SECTIONS SHOW BARRIER OR WALL, THE MINIMUM SHOULDER WIDTH = 4'-0"



SUPERELEVATED SECTION

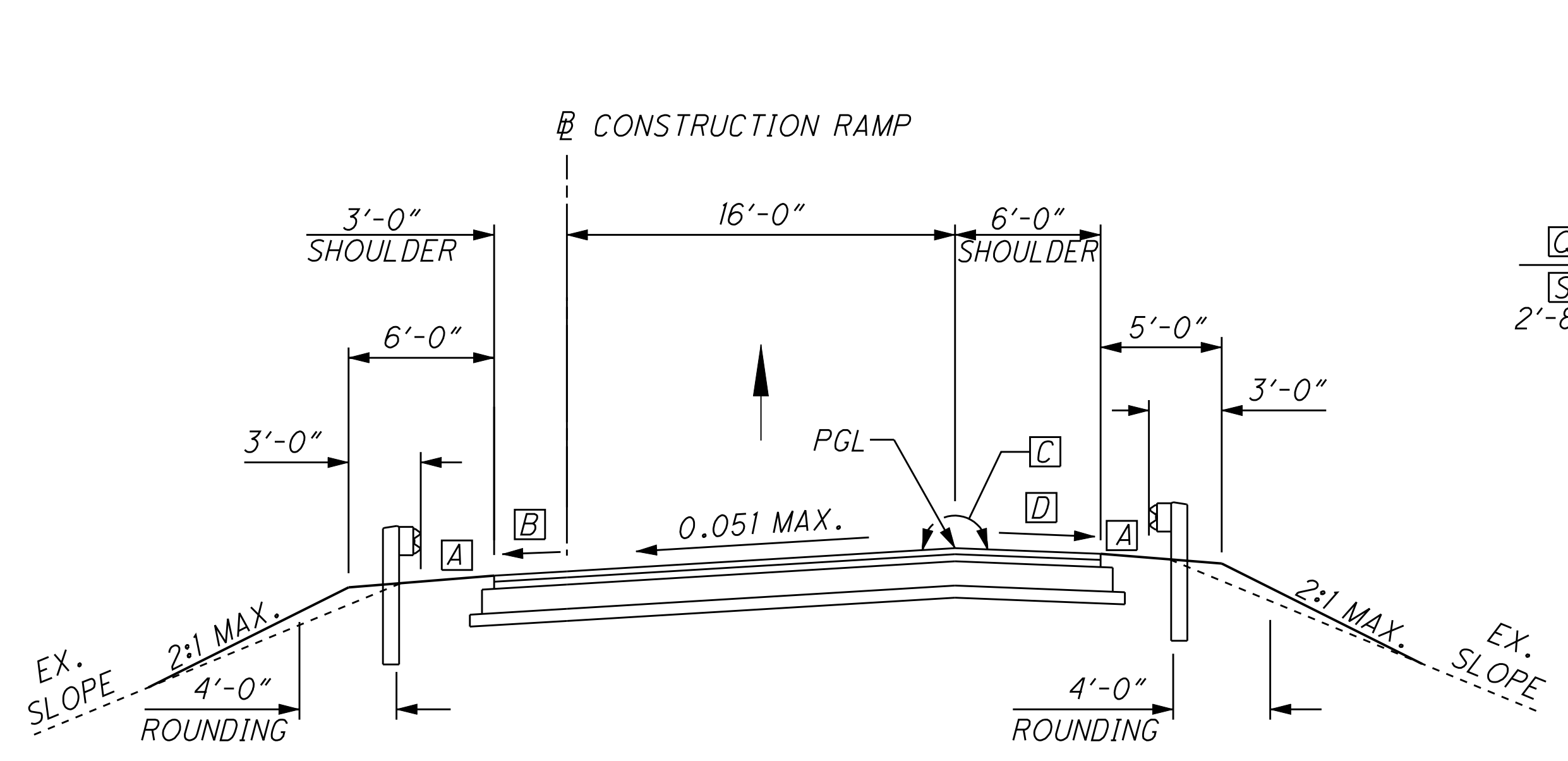
SECTION APPLIES:
RAMP B4 STA. 1403+69.90 TO STA. 1405+36.81 = 166.91 LIN. FT.



SUPERELEVATED SECTION

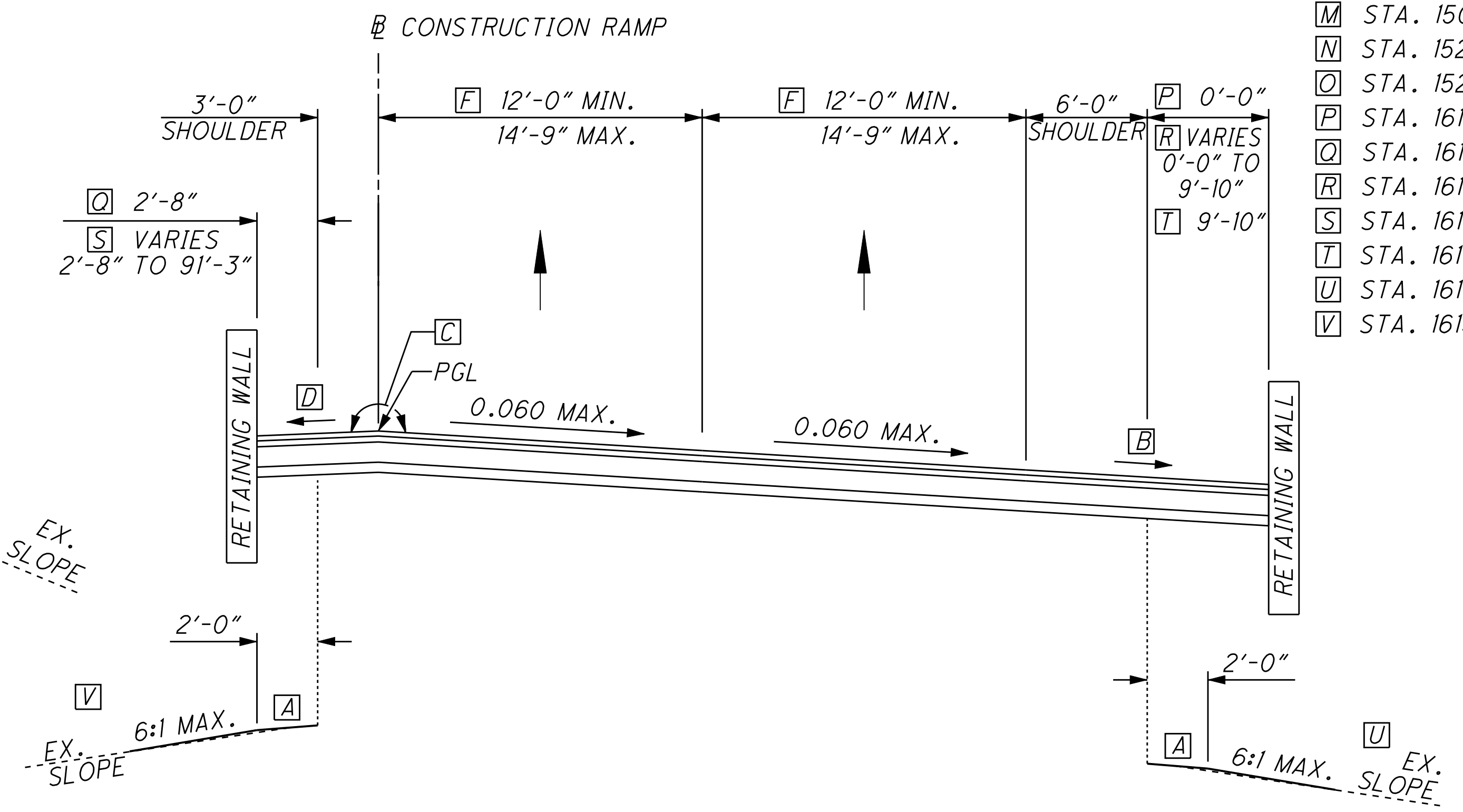
SECTION APPLIES:
RAMP B5 STA. 1507+96.90 TO STA. 1526+07.43 = 180.53 LIN. FT.

- G STA. 1507+96.90 TO STA. 1511+20.62
- I STA. 1507+96.90 TO STA. 1509+95.78
- J STA. 1509+95.78 TO STA. 1511+20.62
- K STA. 1511+20.62 TO STA. 1526+07.43
- L STA. 1514+79.30 TO STA. 1517+70.02
- M STA. 1507+96.90 TO STA. 1523+61.86
- N STA. 1523+61.86 TO STA. 1525+11.86
- O STA. 1525+11.86 TO STA. 1526+07.43
- P STA. 1613+49.52 TO STA. 1614+20.86
- Q STA. 1613+49.52 TO STA. 1615+70.86
- R STA. 1614+20.86 TO STA. 1616+09.60
- S STA. 1615+70.86 TO STA. 1618+49.57
- T STA. 1616+09.60 TO STA. 1619+59.16
- U STA. 1619+59.16 TO STA. 1620+37.80
- V STA. 1615+70.86 TO STA. 1620+37.80



SUPERELEVATED SECTION

SECTION APPLIES:
RAMP B6 STA. 1603+34.47 TO STA. 1607+91.51 = 457.04 LIN. FT.

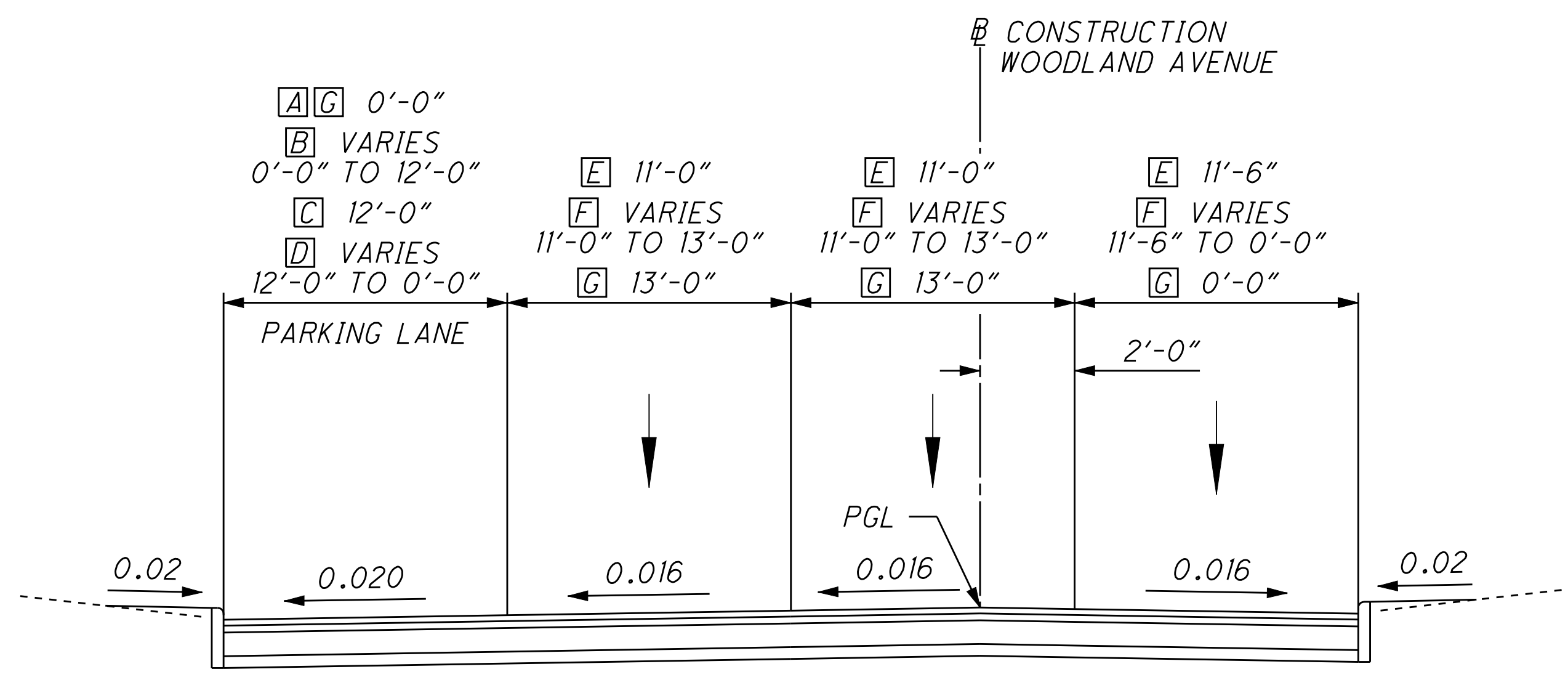


SUPERELEVATED SECTION

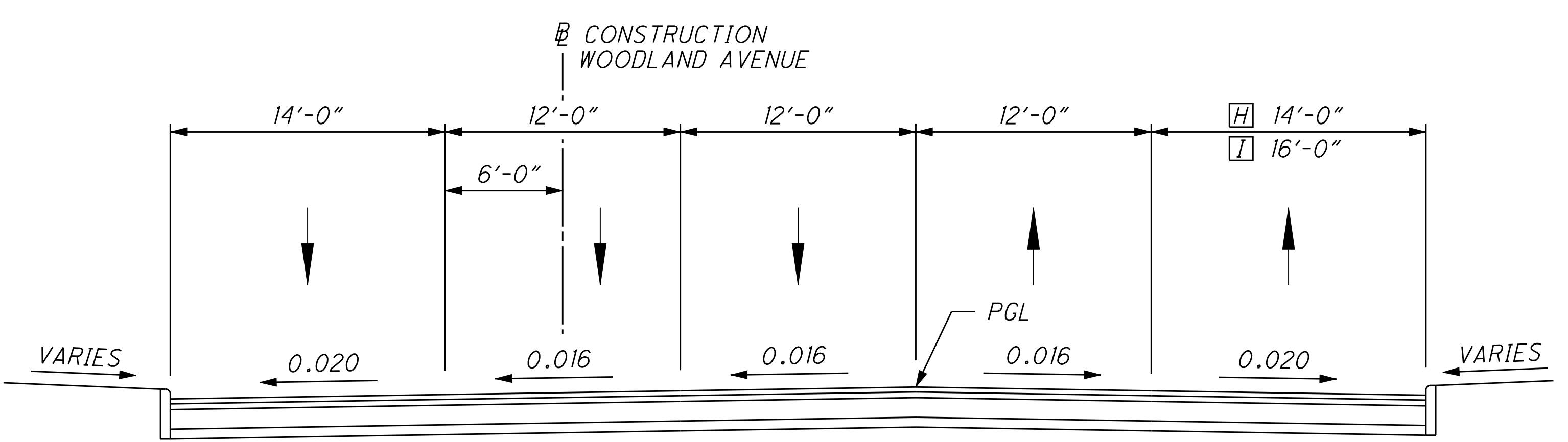
SECTION APPLIES:
RAMP B6 STA. 1613+49.52 TO STA. 1620+37.80 = 688.28 LIN. FT.

- A 0.08 SLOPE
- B 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- C 0.07 MAX. BREAK
- D VARIES 0.04 TO 0.01
- E 0.04 SLOPE
- F WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

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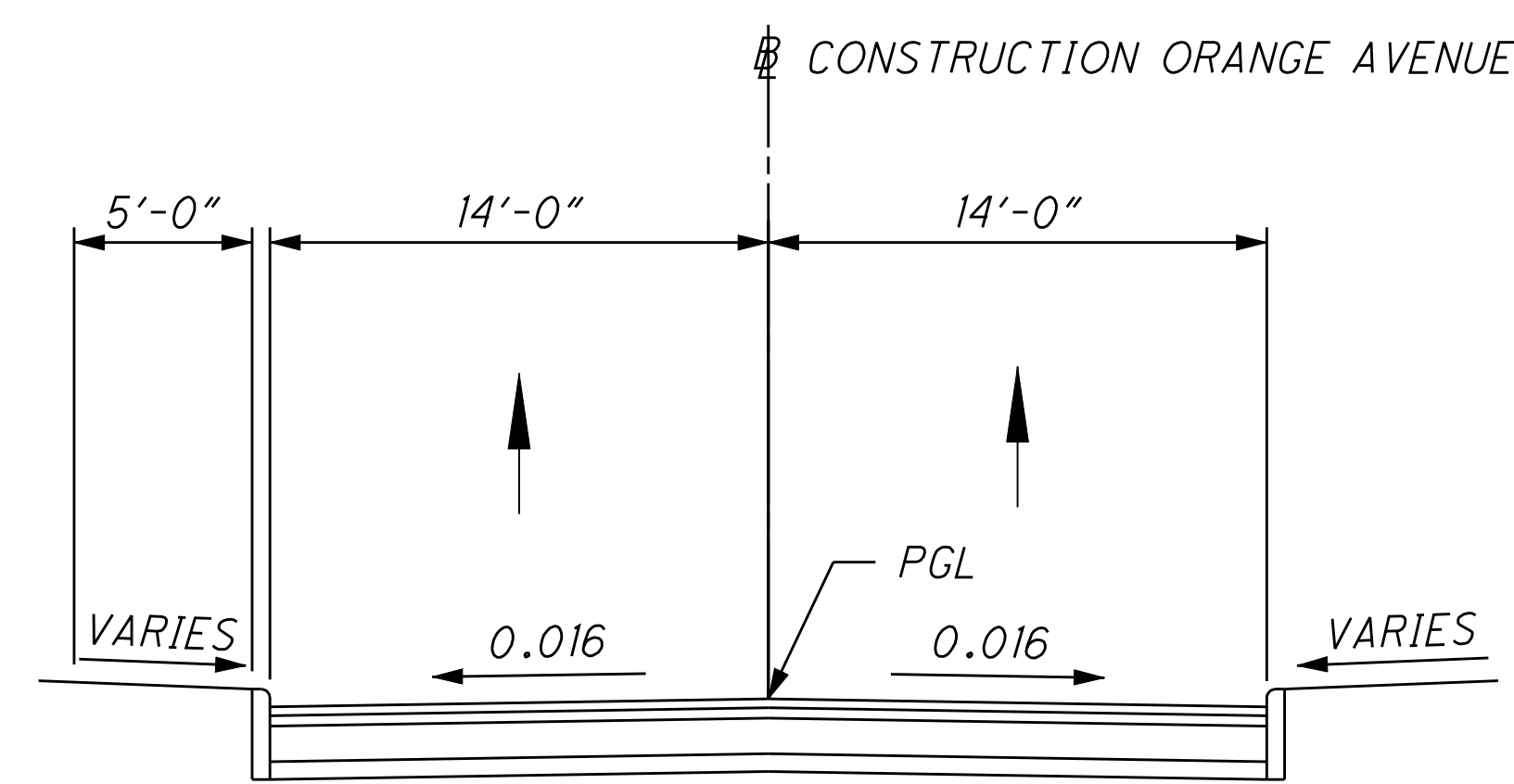


WOODLAND AVENUE
SECTION APPLIES:
STA. 700+46.63 TO STA. 717+90.03 = 1,743.40 LIN. FT.

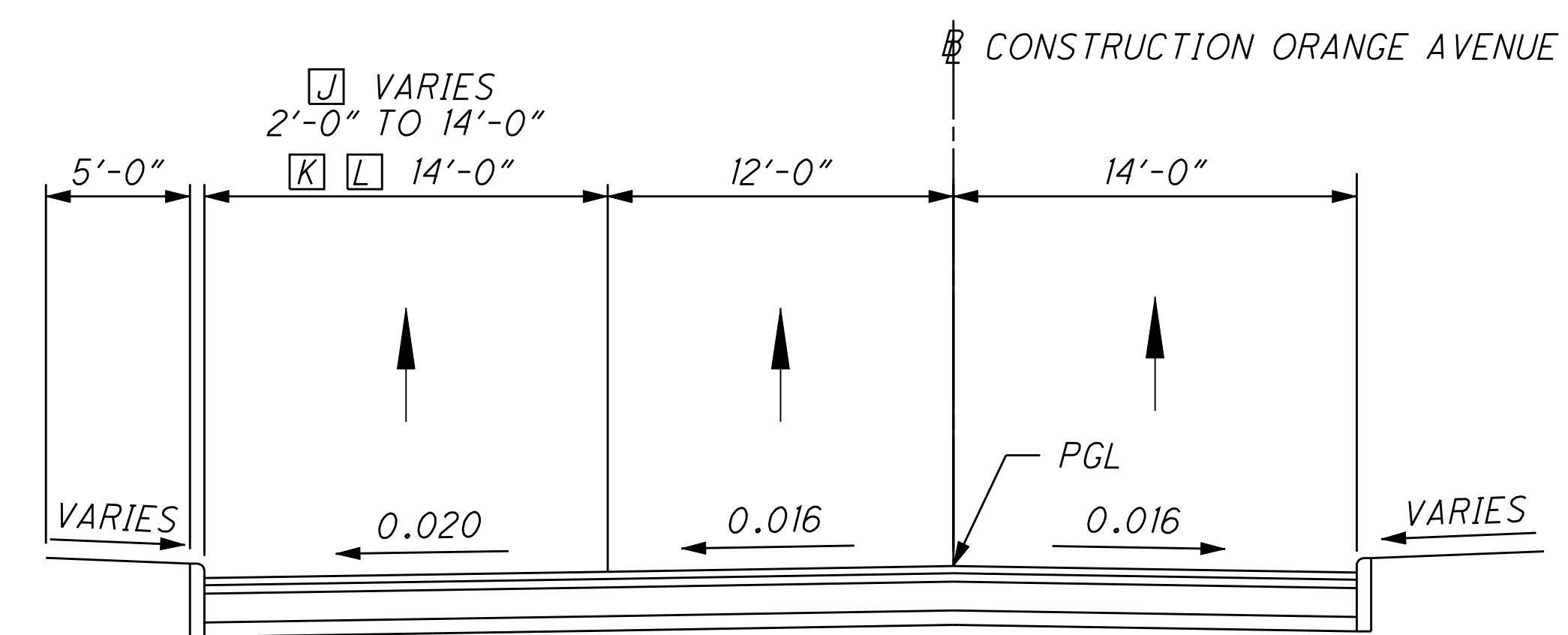


WOODLAND AVENUE
SECTION APPLIES:
STA. 721+02.06 TO STA. 725+61.25 = 459.19 LIN. FT.
STA. 727+61.64 TO STA. 728+21.86 = 60.22 LIN. FT.
TOTAL = 519.41 LIN. FT.

- [A] STA. 711+55.93 TO STA. 713+52.00
- [B] STA. 713+52.00 TO STA. 713+92.00
- [C] STA. 713+92.00 TO STA. 716+64.00
- [D] STA. 716+64.00 TO STA. 717+00.00
- [E] STA. 700+46.63 TO STA. 716+40.00
- [F] STA. 716+40.00 TO STA. 717+00.00
- [G] STA. 717+00.00 TO STA. 717+90.03
- [H] STA. 721+02.06 TO STA. 725+61.25
- [I] STA. 727+14.64 TO STA. 728+21.86
- [J] STA. 402+88.15 TO STA. 403+38.20
- [K] STA. 403+38.20 TO STA. 405+88.24
- [L] STA. 416+75.44 TO STA. 423+50.00

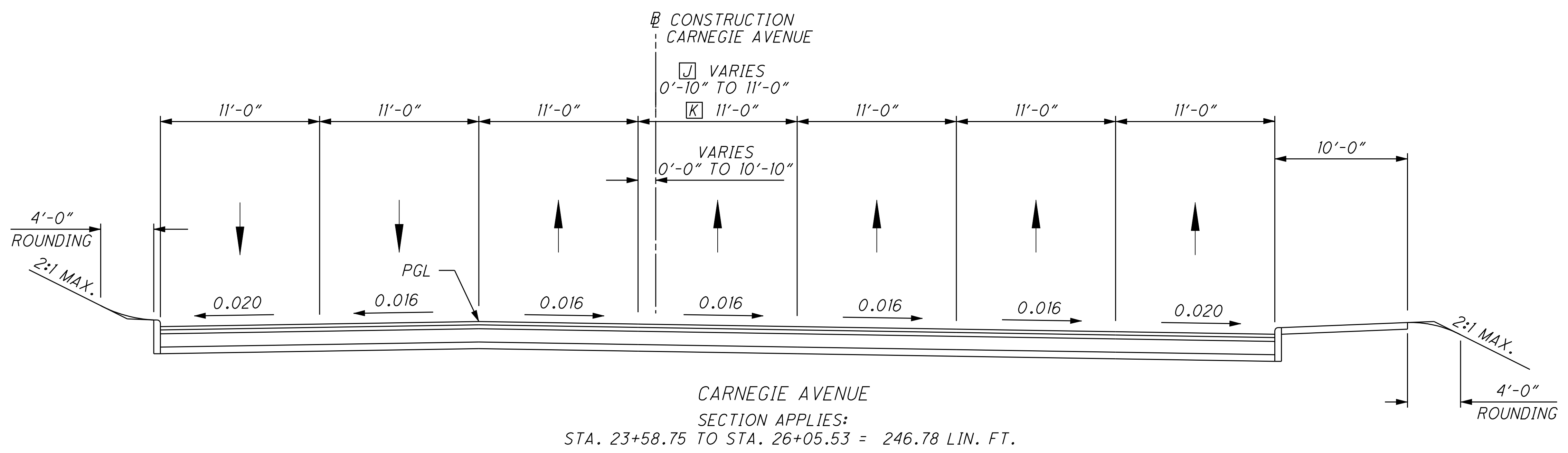
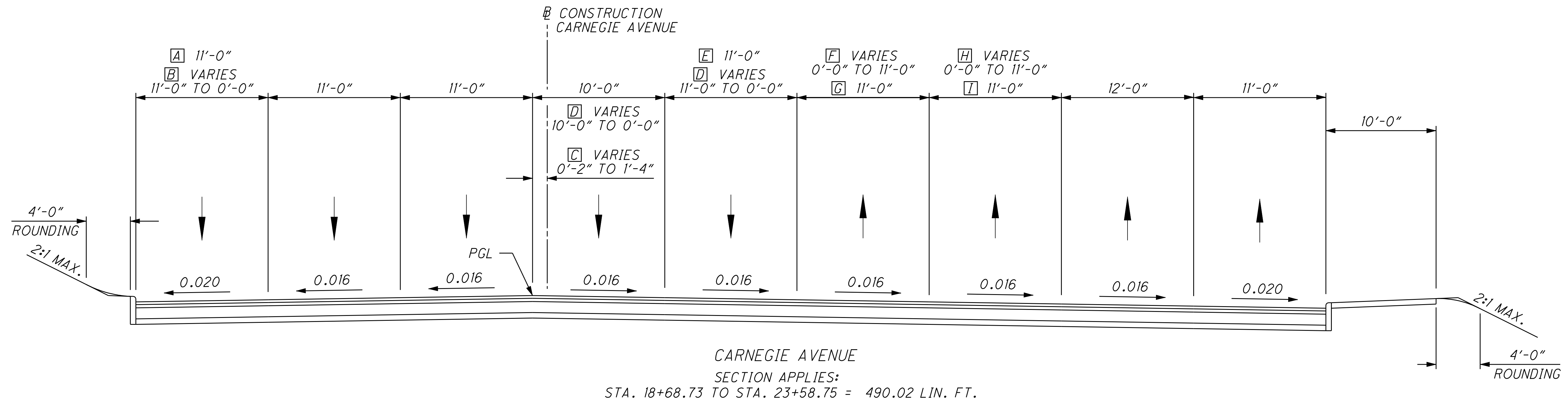


ORANGE AVENUE
SECTION APPLIES:
STA. 401+83.81 TO STA. 402+88.15 = 104.34 LIN. FT.
STA. 407+25.24 TO STA. 413+47.69 = 622.45 LIN. FT.
TOTAL = 726.79 LIN. FT.



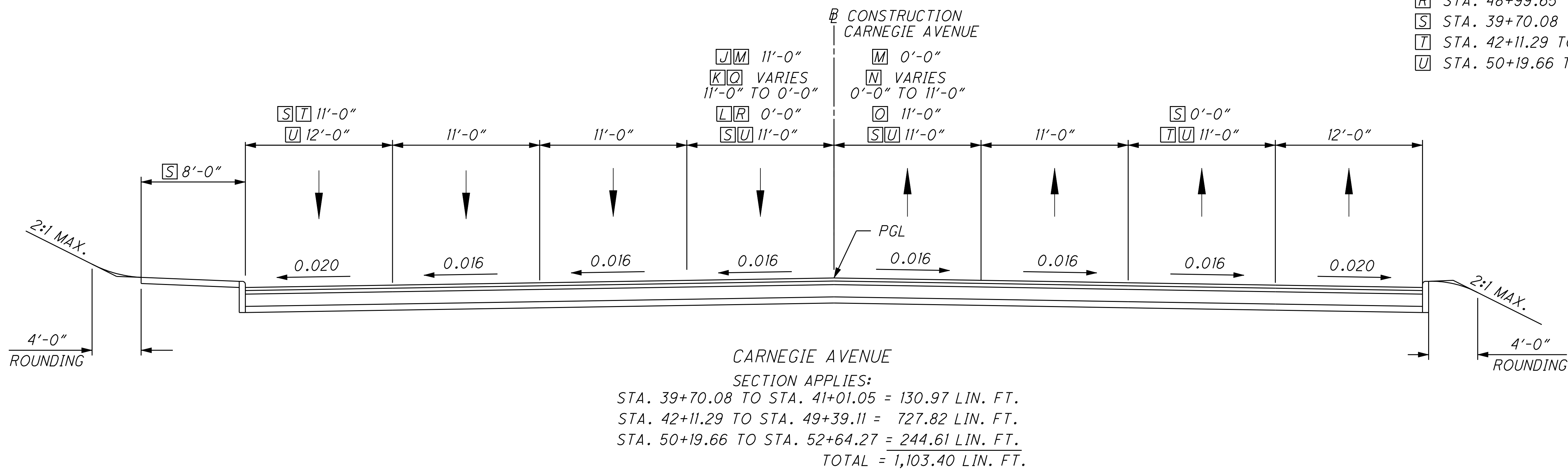
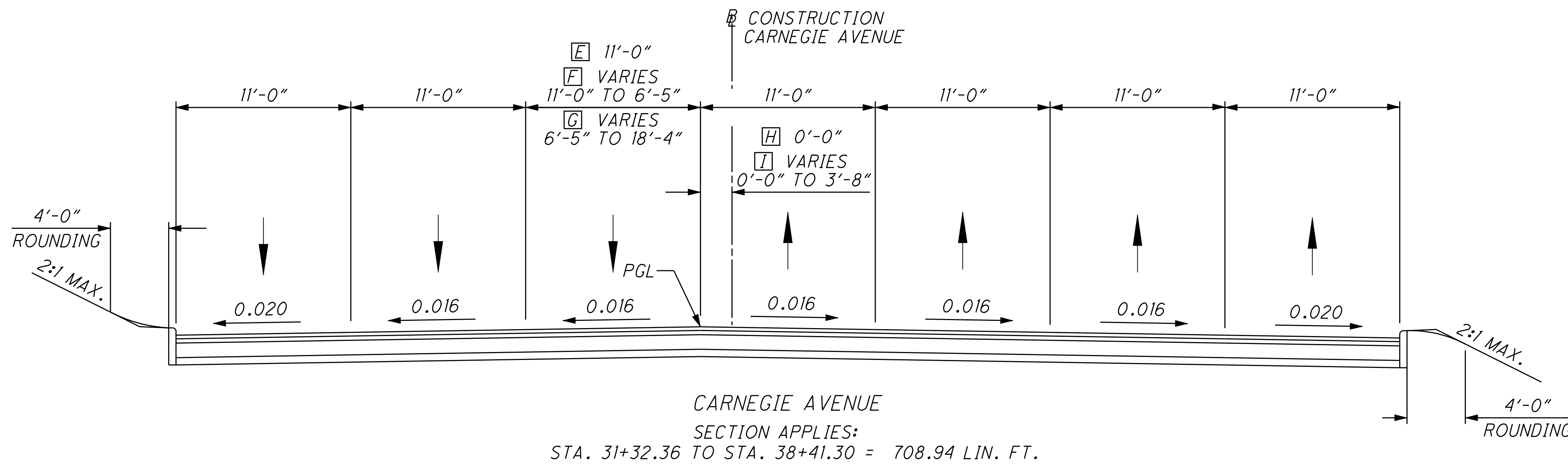
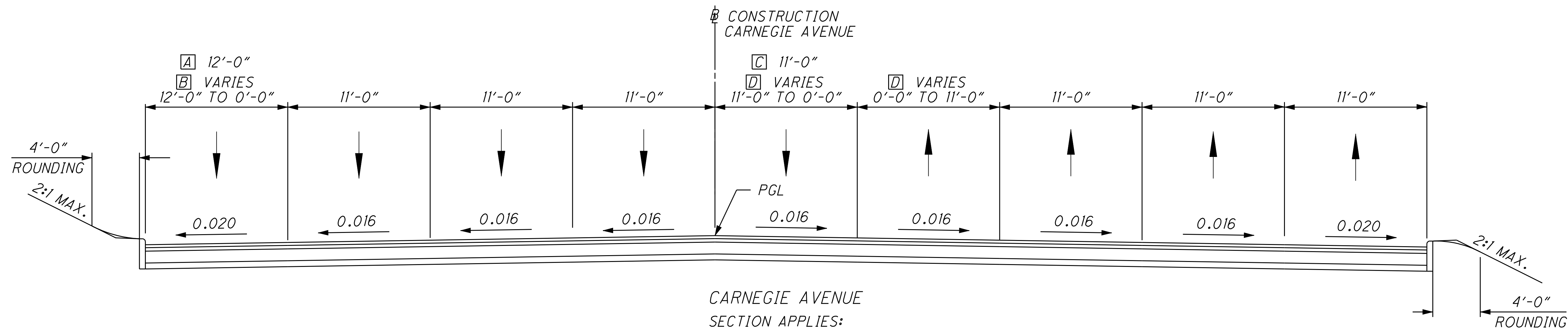
ORANGE AVENUE
SECTION APPLIES:
STA. 402+88.15 TO STA. 405+88.24 = 300.09 LIN. FT.
STA. 416+75.44 TO STA. 423+50.00 = 674.56 LIN. FT.
TOTAL = 974.65 LIN. FT.

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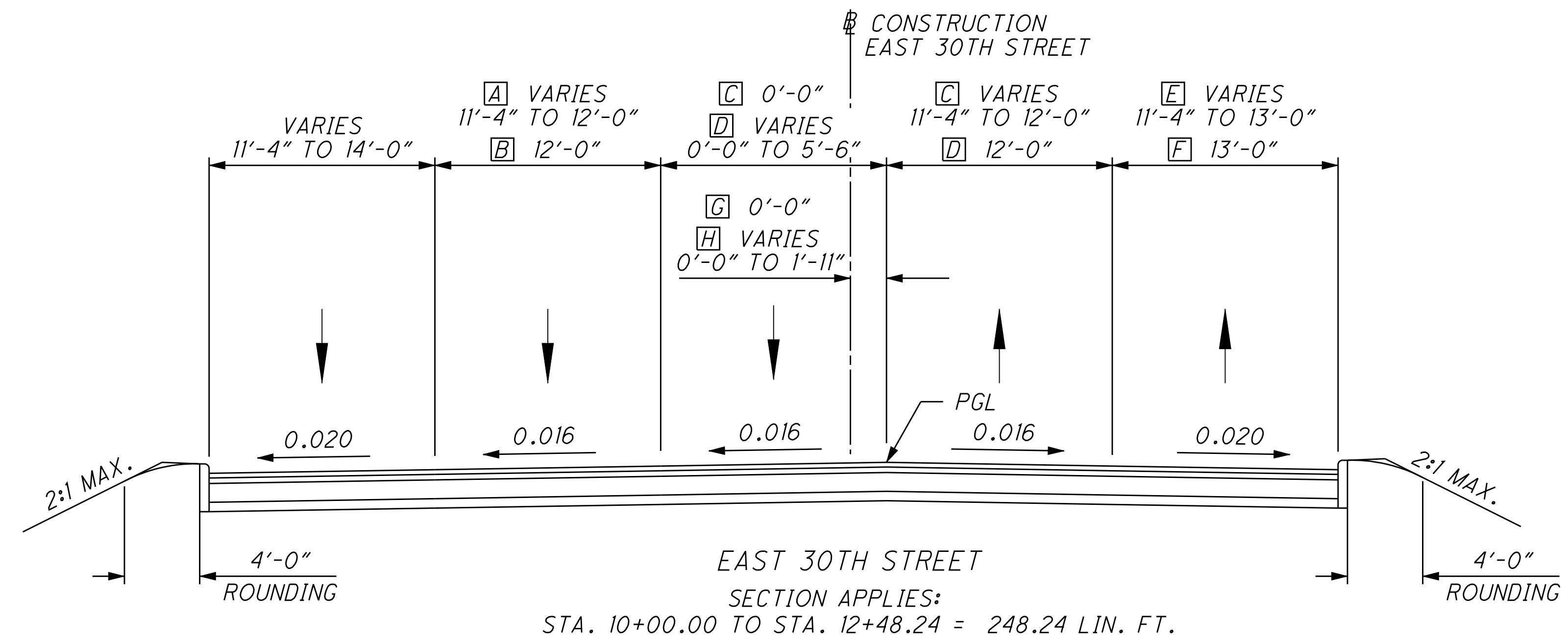
- A STA. 18+68.73 TO STA. 22+95.65
- B STA. 22+95.65 TO STA. 23+43.59
- C STA. 18+68.73 TO STA. 22+66.36
- D STA. 22+20.44 TO STA. 22+66.36
- E STA. 18+68.73 TO STA. 23+58.75
- F STA. 22+20.44 TO STA. 23+13.88
- G STA. 23+13.88 TO STA. 23+58.75
- H STA. 22+68.75 TO STA. 23+44.10
- I STA. 23+44.10 TO STA. 23+58.75
- J STA. 23+58.75 TO STA. 25+42.26
- K STA. 25+42.26 TO STA. 26+05.53

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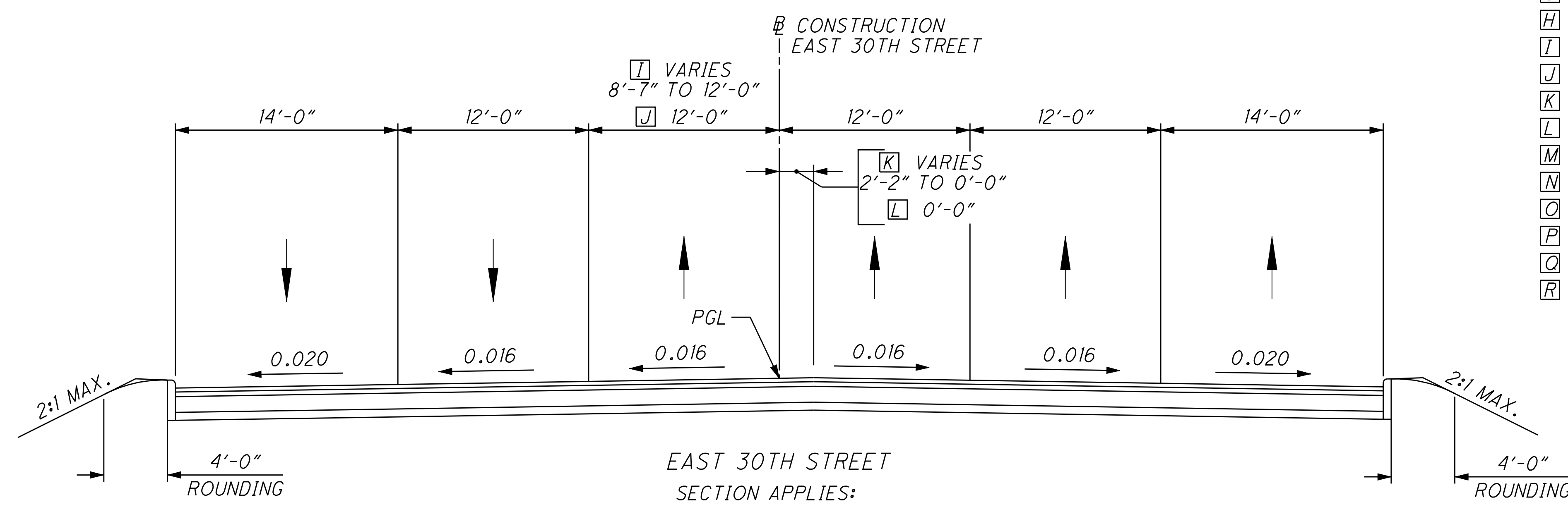
- A STA. 27+32.46 TO STA. 29+52.46
- B STA. 29+52.46 TO STA. 30+02.46
- C STA. 27+32.36 TO STA. 30+82.35
- D STA. 30+82.36 TO STA. 31+32.36
- E STA. 31+32.36 TO STA. 32+76.09
- F STA. 32+76.09 TO STA. 36+84.13
- G STA. 36+84.13 TO STA. 38+41.30
- H STA. 31+32.36 TO STA. 32+41.16
- I STA. 32+41.16 TO STA. 38+41.30
- J STA. 42+11.29 TO STA. 44+08.27
- K STA. 44+08.27 TO STA. 44+58.27
- L STA. 44+58.27 TO STA. 44+96.11
- M STA. 42+11.29 TO STA. 42+37.39
- N STA. 42+37.39 TO STA. 42+87.39
- O STA. 42+87.39 TO STA. 49+39.11
- P STA. 45+58.91 TO STA. 48+49.65
- Q STA. 48+49.65 TO STA. 48+99.65
- R STA. 48+99.65 TO STA. 49+39.11
- S STA. 39+70.08 TO STA. 41+01.05
- T STA. 42+11.29 TO STA. 49+39.11
- U STA. 50+19.66 TO STA. 52+64.27

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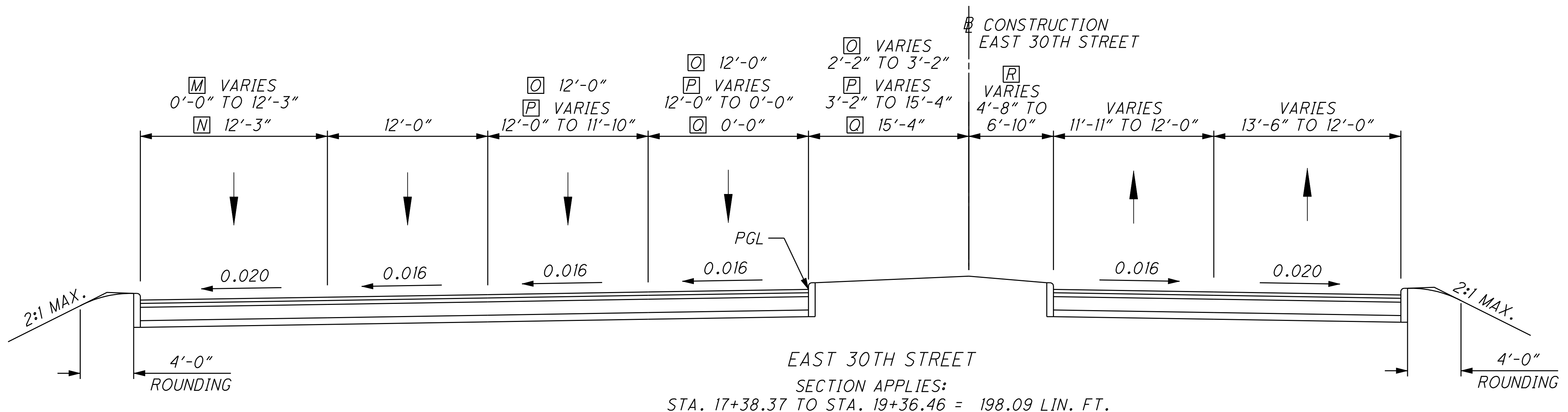


EAST 30TH STREET
SECTION APPLIES:
STA. 10+00.00 TO STA. 12+48.24 = 248.24 LIN. FT.

- A STA. 10+00.00 TO STA. 11+88.17
- B STA. 11+88.17 TO STA. 12+48.24
- C STA. 10+00.00 TO STA. 11+30.80
- D STA. 11+30.80 TO STA. 12+48.24
- E STA. 10+00.00 TO STA. 11+02.07
- F STA. 11+02.07 TO STA. 12+48.24
- G STA. 10+00.00 TO STA. 10+87.82
- H STA. 10+87.82 TO STA. 12+48.24
- I STA. 13+33.45 TO STA. 14+15.24
- J STA. 14+15.24 TO STA. 16+48.59
- K STA. 13+33.45 TO STA. 14+21.79
- L STA. 14+21.79 TO STA. 16+48.59
- M STA. 18+62.12 TO STA. 19+12.13
- N STA. 19+12.13 TO STA. 19+36.46
- O STA. 17+38.37 TO STA. 18+76.50
- P STA. 18+76.50 TO STA. 19+36.46
- Q STA. 19+26.50 TO STA. 19+36.46
- R STA. 17+38.37 TO STA. 17+90.96

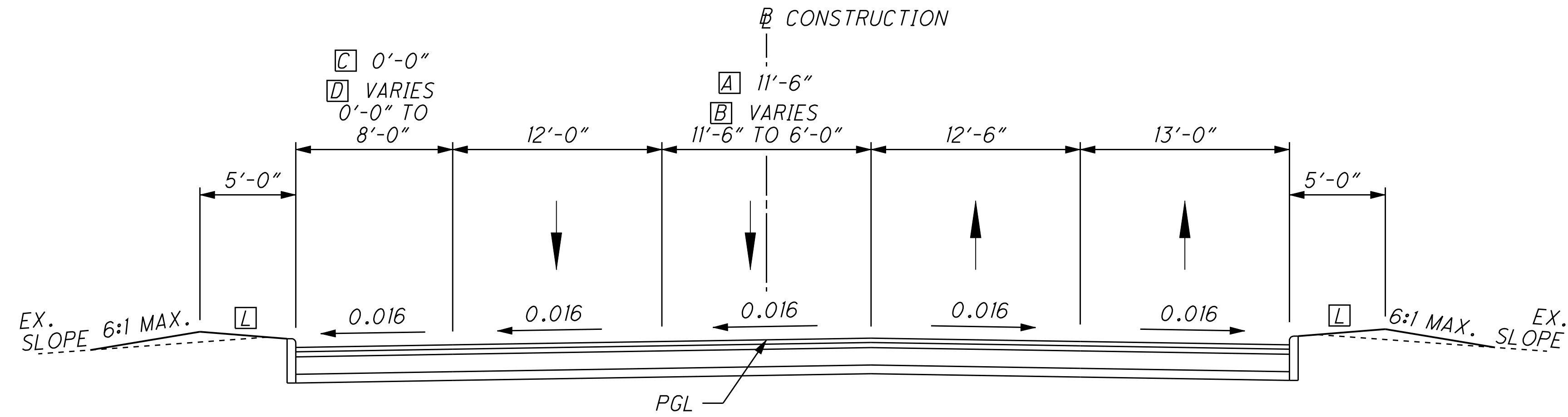


EAST 30TH STREET
SECTION APPLIES:
STA. 13+33.45 TO STA. 16+48.59 = 315.14 LIN. FT.

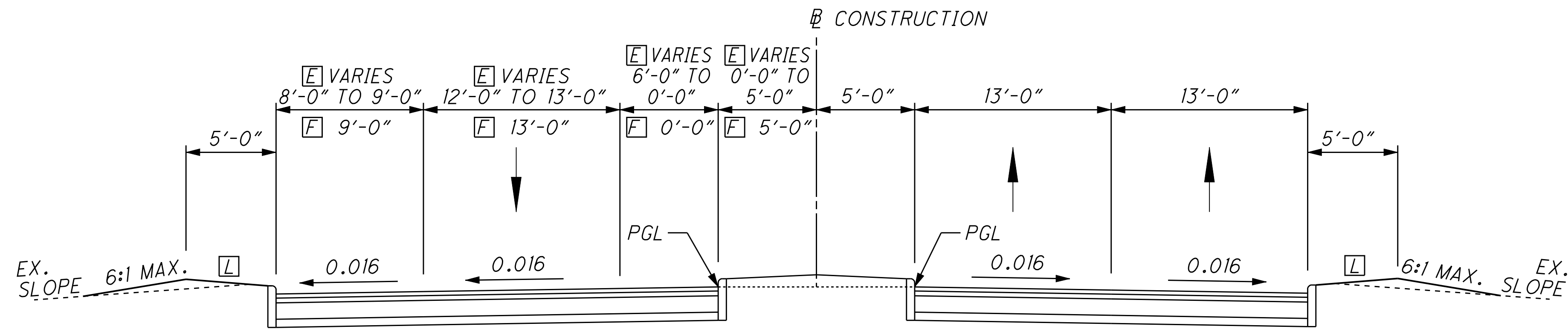


EAST 30TH STREET
SECTION APPLIES:
STA. 17+38.37 TO STA. 19+36.46 = 198.09 LIN. FT.

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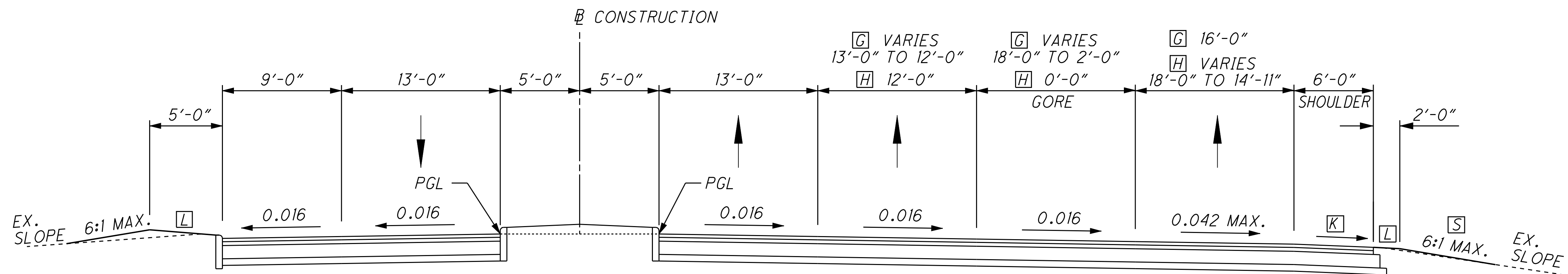


EAST 14TH STREET
SECTION APPLIES:
STA. 15+64.76 TO STA. 18+87.63 = 322.87 LIN. FT.



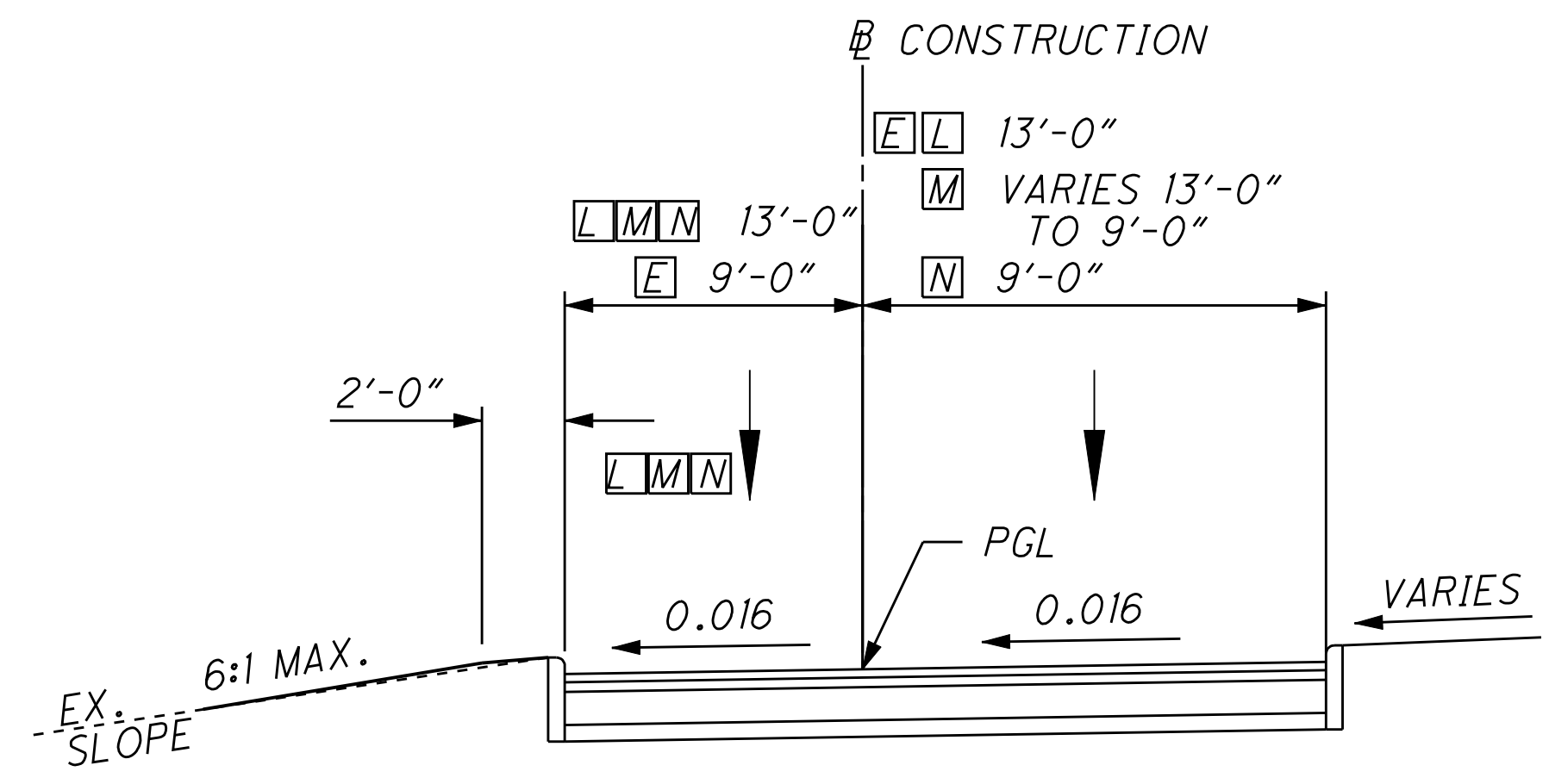
EAST 14TH STREET
SECTION APPLIES:
STA. 18+87.63 TO STA. 20+70.44 = 182.81 LIN. FT.

- A STA. 15+64.76 TO STA. 18+63.25
- B STA. 18+63.25 TO STA. 18+87.63
- C STA. 15+64.76 TO STA. 17+13.25
- D STA. 17+13.25 TO STA. 18+87.63
- E STA. 18+87.63 TO STA. 19+13.25
- F STA. 19+13.25 TO STA. 20+70.44
- G STA. 20+70.44 TO STA. 23+10.04
- H STA. 23+10.04 TO STA. 24+16.97

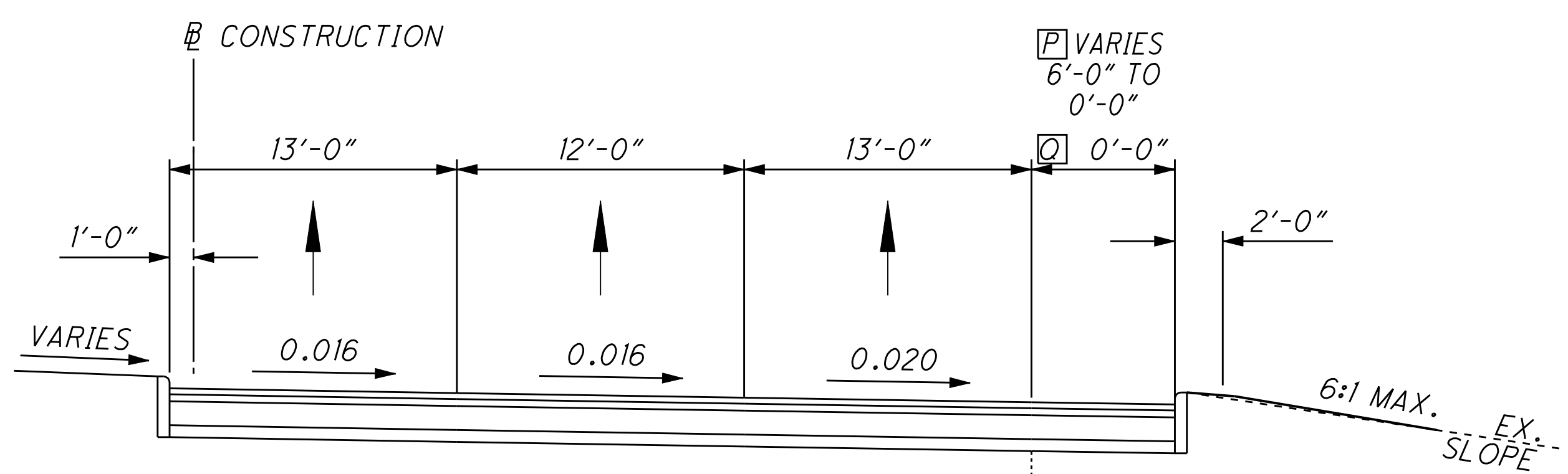


EAST 14TH STREET
SECTION APPLIES:
STA. 20+70.44 TO STA. 24+16.97 = 346.53 LIN. FT.

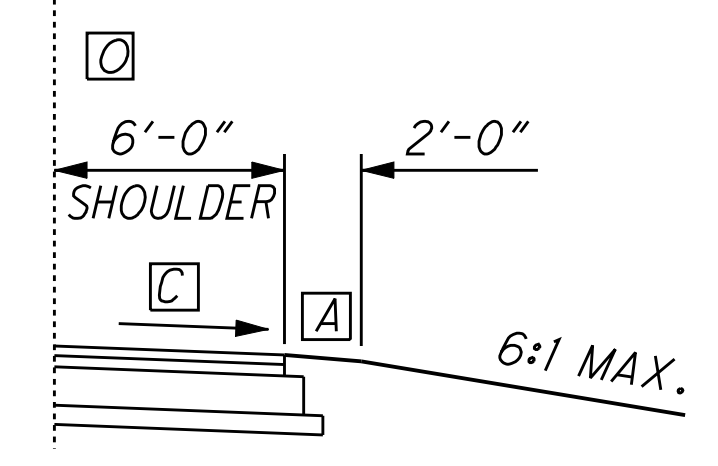
- K 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- L 0.08 SLOPE



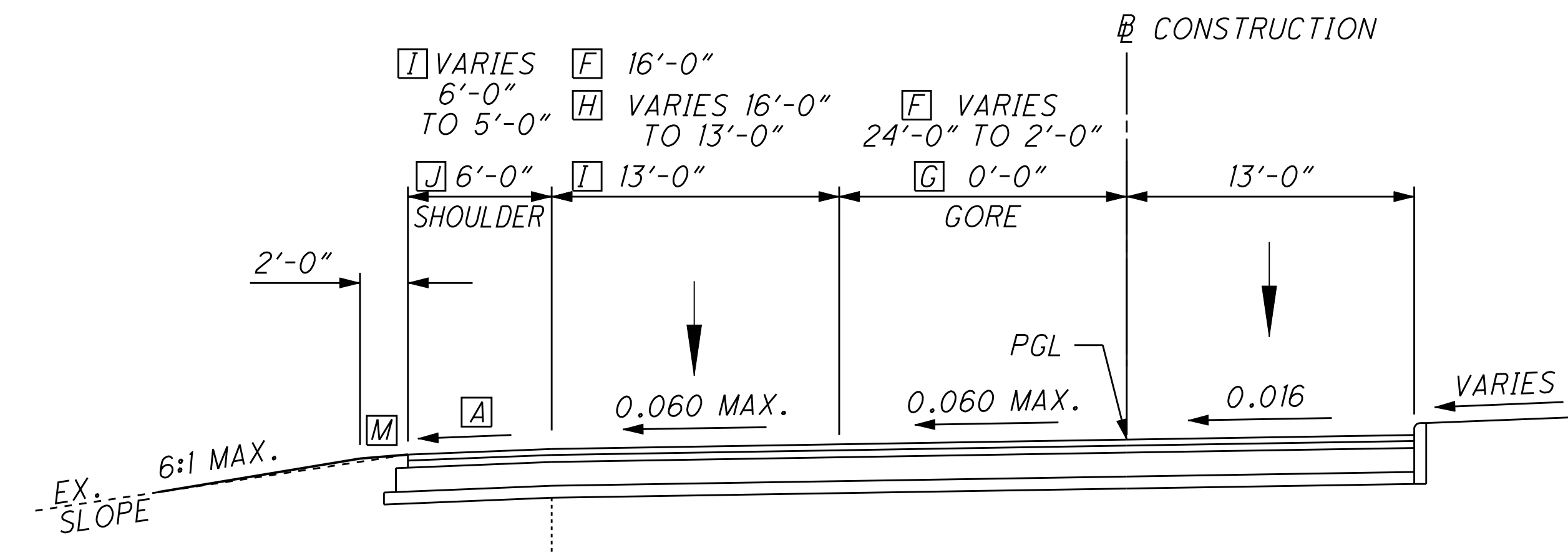
EAST 14TH STREET SB
SECTION APPLIES:
STA. 10+00.00 TO STA. 11+84.63 = 184.63 LIN. FT.
STA. 14+43.75 TO STA. 17+62.04 = 318.29 LIN. FT.
TOTAL = 502.92 LIN. FT.



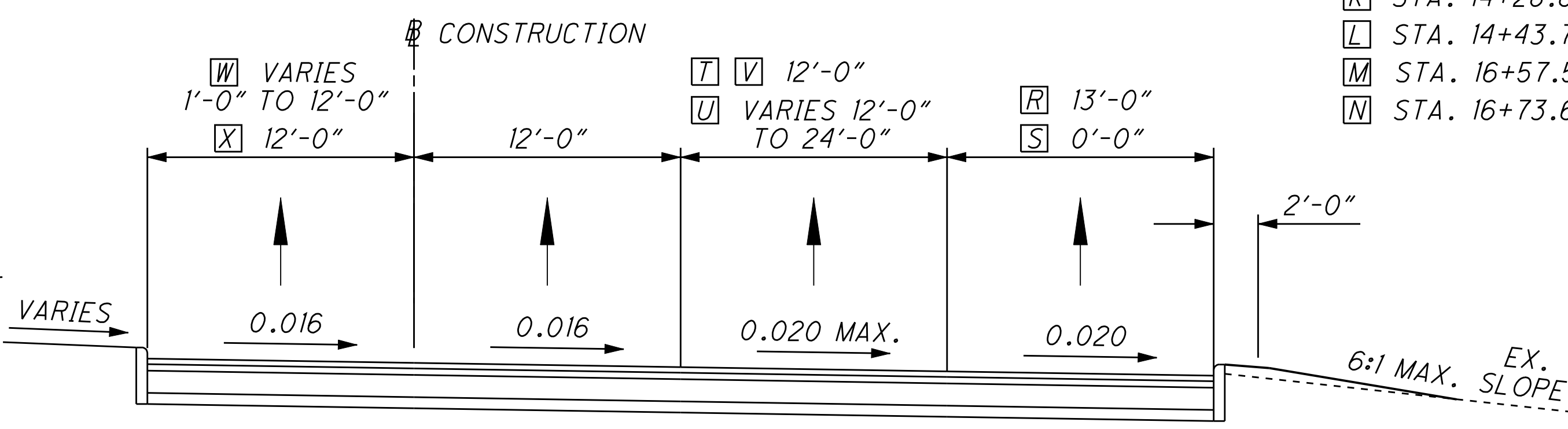
EAST 14TH STREET NB
SECTION APPLIES:
STA. 10+00.00 TO STA. 15+19.55 = 519.55 LIN. FT.



- [E] STA. 10+00.00 TO STA. 11+84.63
- [F] STA. 11+84.63 TO STA. 13+37.01
- [G] STA. 13+37.01 TO STA. 14+43.75
- [H] STA. 13+37.01 TO STA. 13+92.33
- [I] STA. 13+92.33 TO STA. 14+43.75
- [J] STA. 11+84.63 TO STA. 13+92.33
- [K] STA. 14+28.68 TO STA. 14+43.75
- [L] STA. 14+43.75 TO STA. 16+57.50
- [M] STA. 16+57.50 TO STA. 16+73.62
- [N] STA. 16+73.62 TO STA. 17+62.04

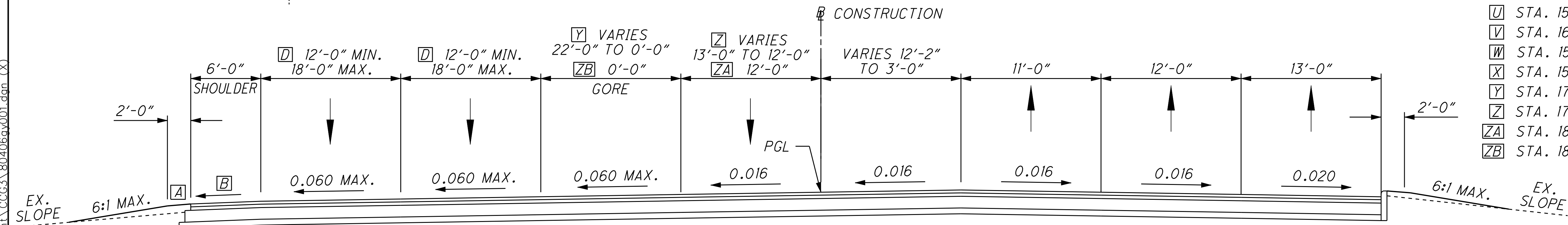


EAST 14TH STREET B
SECTION APPLIES:
STA. 11+84.63 TO STA. 14+43.75 = 259.12 LIN. FT.



EAST 14TH STREET NB
SECTION APPLIES:
STA. 15+19.55 TO STA. 18+02.75 = 283.20 LIN. FT.

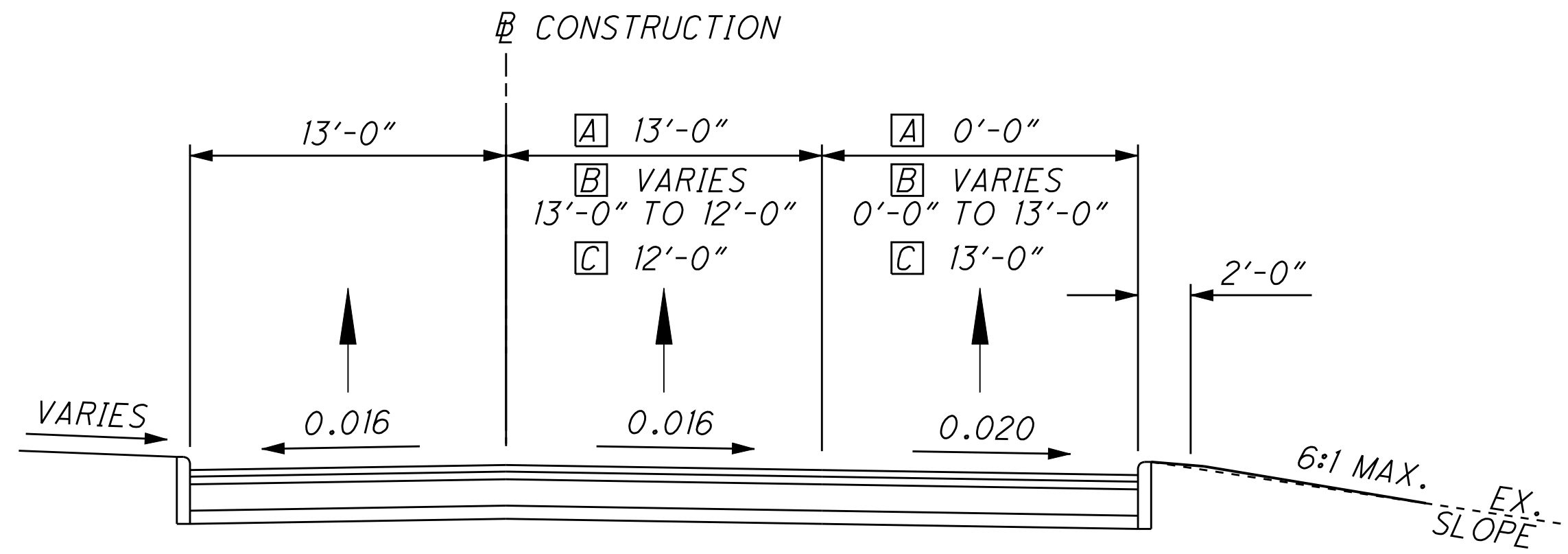
- [O] STA. 10+00.00 TO STA. 10+53.50
- [P] STA. 10+53.50 TO STA. 10+68.43
- [Q] STA. 10+68.43 TO STA. 15+19.55
- [R] STA. 15+19.55 TO STA. 16+89.41
- [S] STA. 16+89.41 TO STA. 18+02.75
- [T] STA. 15+19.55 TO STA. 15+81.69
- [U] STA. 15+81.69 TO STA. 16+89.41
- [V] STA. 16+89.41 TO STA. 18+02.75
- [W] STA. 15+19.55 TO STA. 15+69.55
- [X] STA. 15+69.55 TO STA. 18+02.75
- [Y] STA. 17+62.04 TO STA. 18+69.51
- [Z] STA. 17+62.04 TO STA. 18+11.49
- [ZA] STA. 18+11.49 TO STA. 19+36.09
- [ZB] STA. 18+69.51 TO STA. 19+36.09



EAST 14TH STREET SB
SECTION APPLIES:
STA. 17+62.04 TO STA. 19+36.09 = 177.05 LIN. FT.

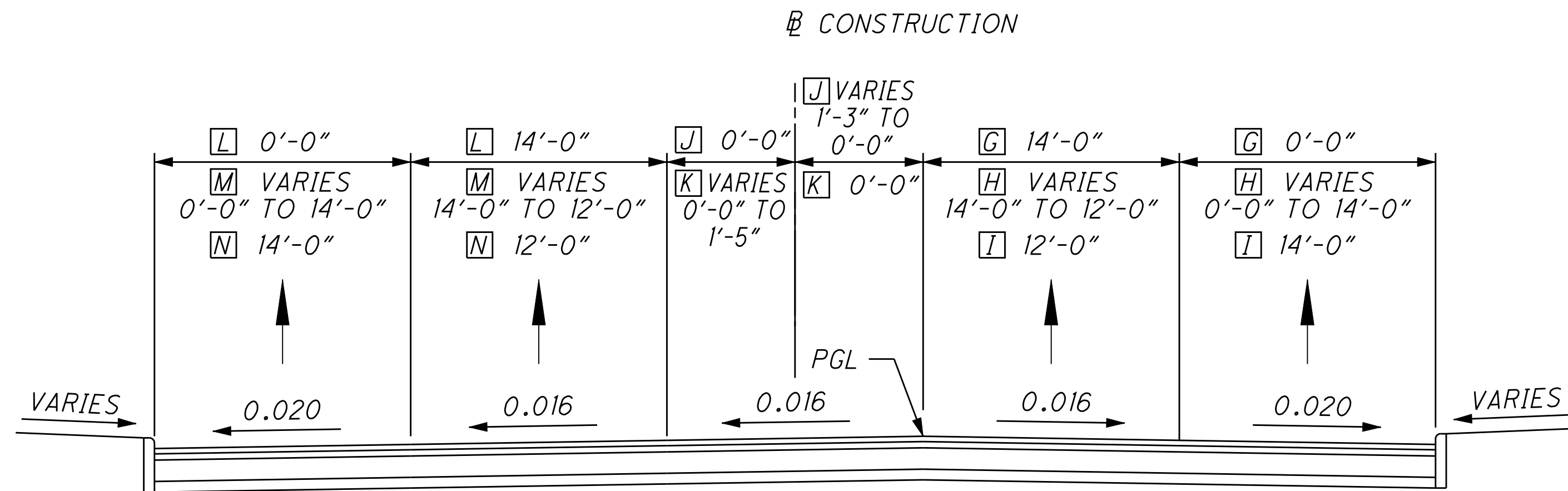
- [A] 0.08 SLOPE
- [B] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER
- [C] 0.04 SLOPE
- [D] WIDEN CURVES AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1.

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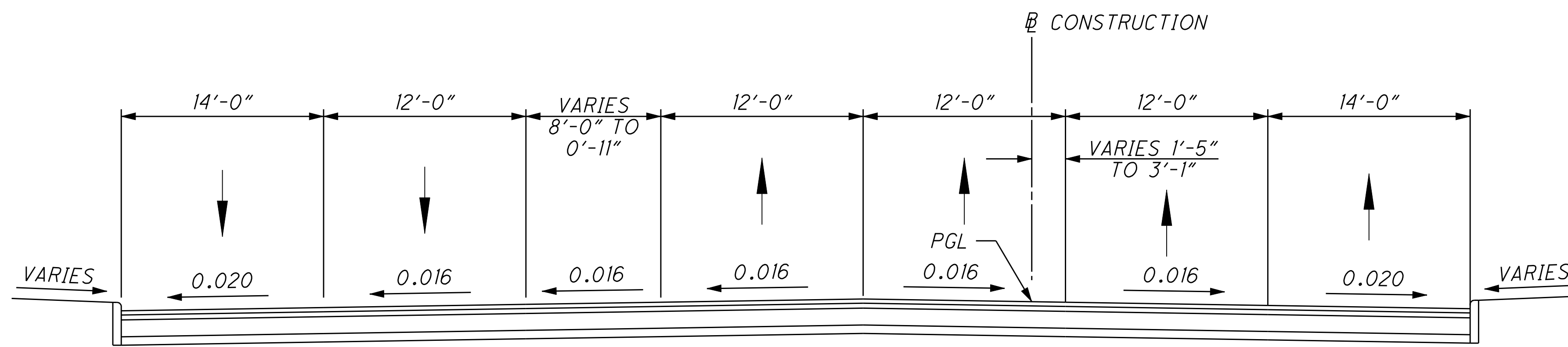
- A STA. 21+05.94 TO STA. 22+29.62
- B STA. 22+29.62 TO STA. 22+80.16
- C STA. 22+80.16 TO STA. 24+52.24

EAST 18TH BETWEEN I-77 RAMPS AND CARNEGIE STREET
SECTION APPLIES:
STA. 21+05.94 TO STA. 24+52.24 = 346.30 LIN. FT.

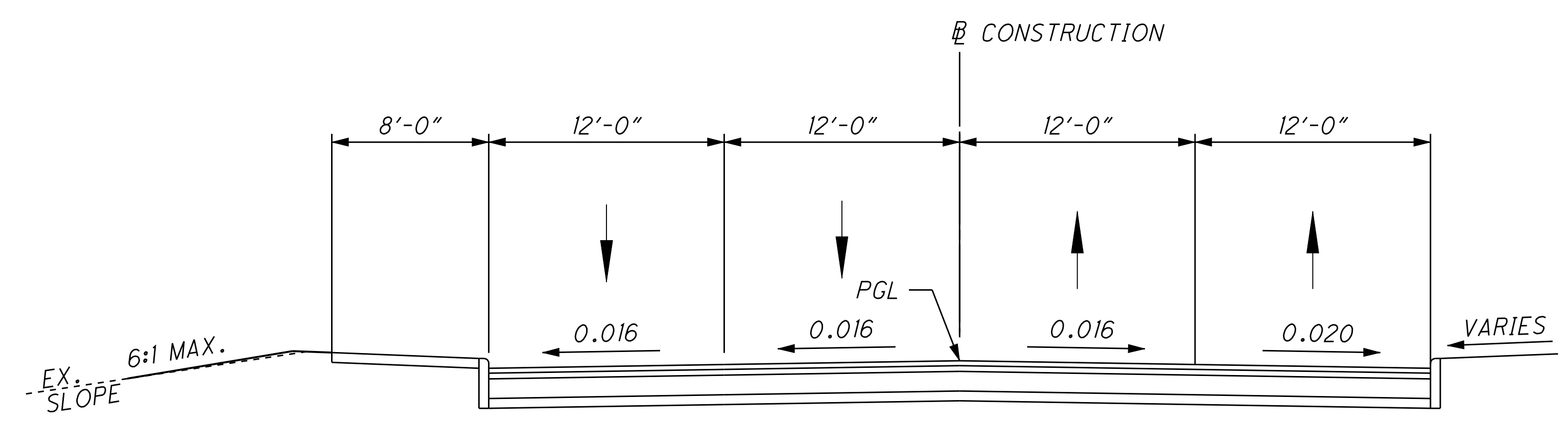


- G STA. 801+33.68 TO STA. 802+02.29
- H STA. 802+02.29 TO STA. 802+52.78
- I STA. 802+52.78 TO STA. 804+76.38
- J STA. 801+33.68 TO STA. 804+05.89
- K STA. 804+05.89 TO STA. 804+76.38
- L STA. 801+33.68 TO STA. 802+02.55
- M STA. 802+02.55 TO STA. 802+52.05
- N STA. 802+52.05 TO STA. 804+76.38

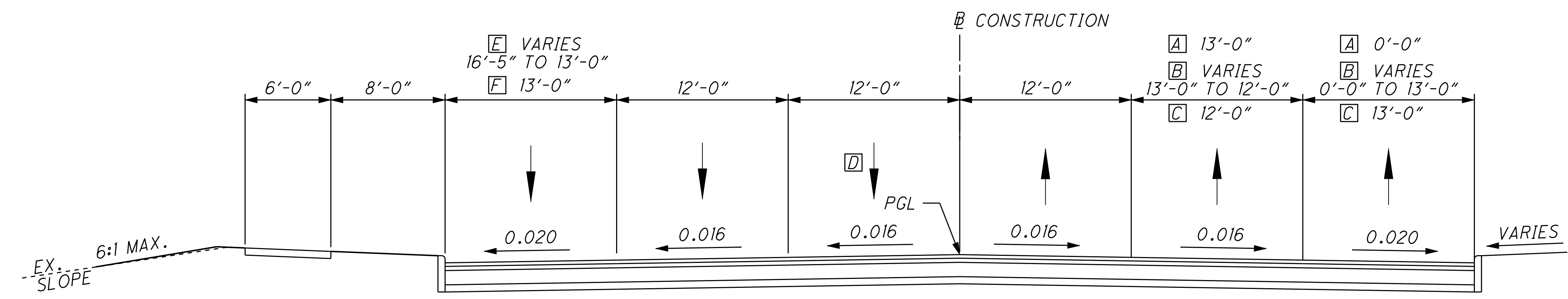
EAST 22ND STREET TO EAST 14TH STREET
SECTION APPLIES:
STA. 801+33.68 TO STA. 804+76.38 = 342.70 LIN. FT.



EAST 22ND STREET TO EAST 14TH STREET
SECTION APPLIES:
STA. 804+76.38 TO STA. 805+73.97 = 97.59 LIN. FT.



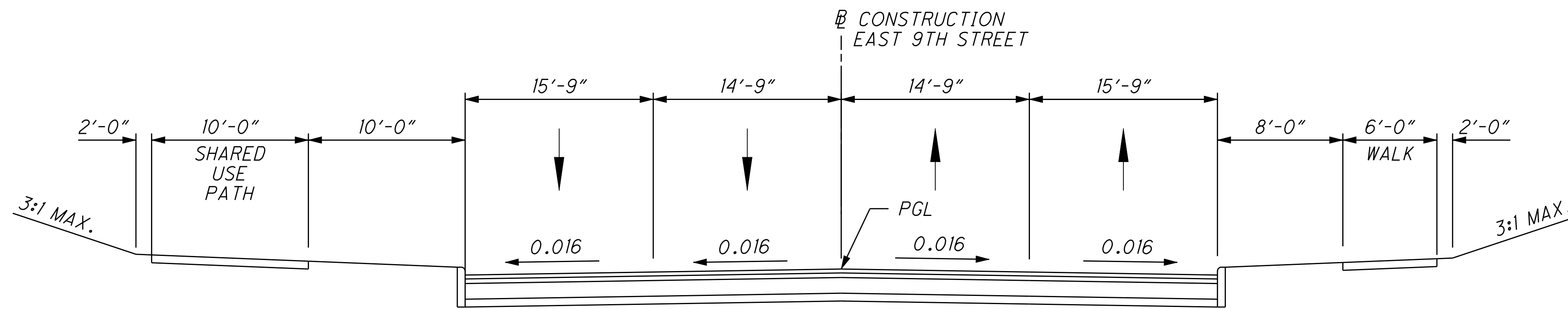
EAST 18TH STREET NORTH OF CARNEGIE
SECTION APPLIES:
STA. 30+70.47 TO STA. 31+06.67 = 36.20 LIN. FT.



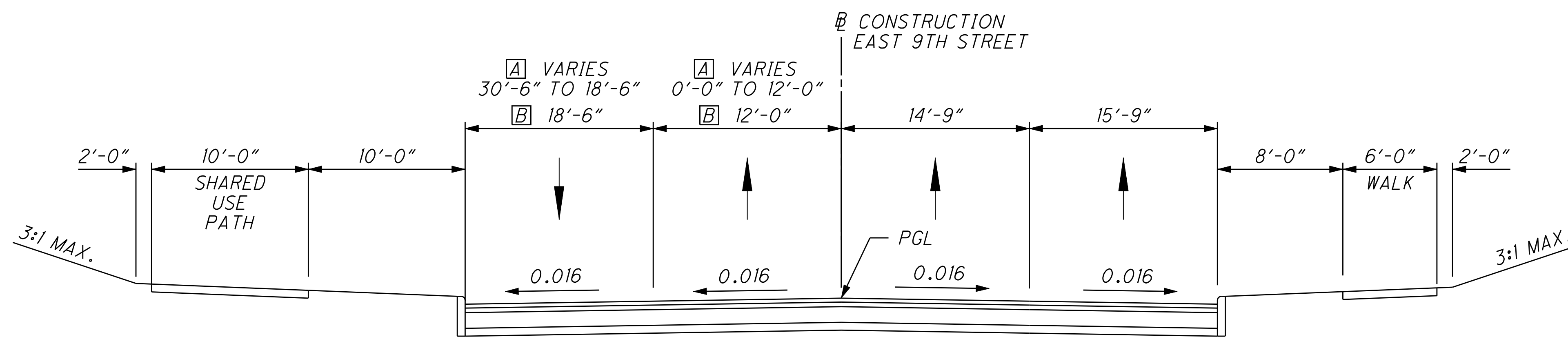
ORANGE AVENUE
SECTION APPLIES:
STA. 10+81.97 TO STA. 17+36.91 = 654.94 LIN. FT.

- A STA. 10+81.97 TO STA. 11+04.06
- B STA. 11+04.06 TO STA. 11+54.06
- C STA. 11+54.06 TO STA. 17+36.91
- D DIRECTION REVERSED FROM STA. 13+55.42 TO STA. 17+36.91
- E STA. 10+81.97 TO STA. 11+83.32
- F STA. 11+83.32 TO STA. 17+36.91

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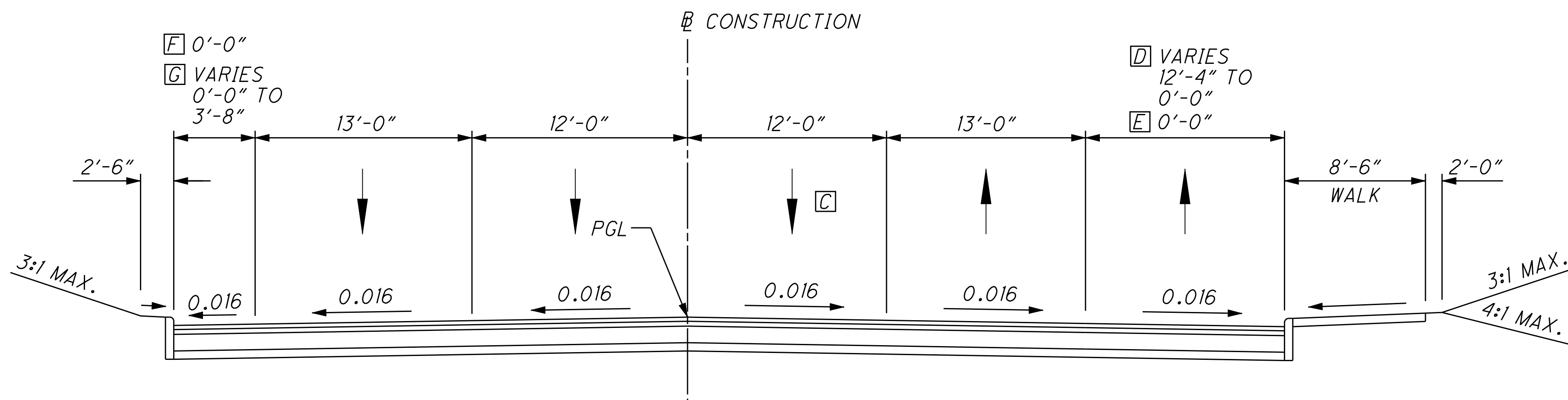


EAST 9TH STREET
SECTION APPLIES:
STA. 26+60.13 TO STA. 27+69.77 = 109.64 LIN. FT.



EAST 9TH STREET
SECTION APPLIES:
STA. 27+69.77 TO STA. 29+01.00 = 131.23 LIN. FT.

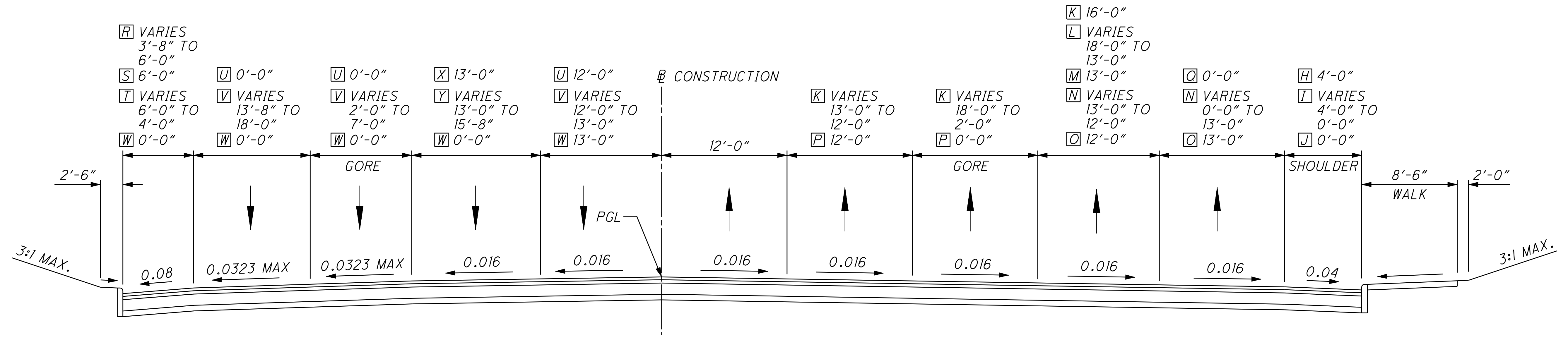
- Ⓐ STA. 27+69.77 TO STA. 28+19.77
- Ⓑ STA. 28+19.77 TO STA. 29+01.00



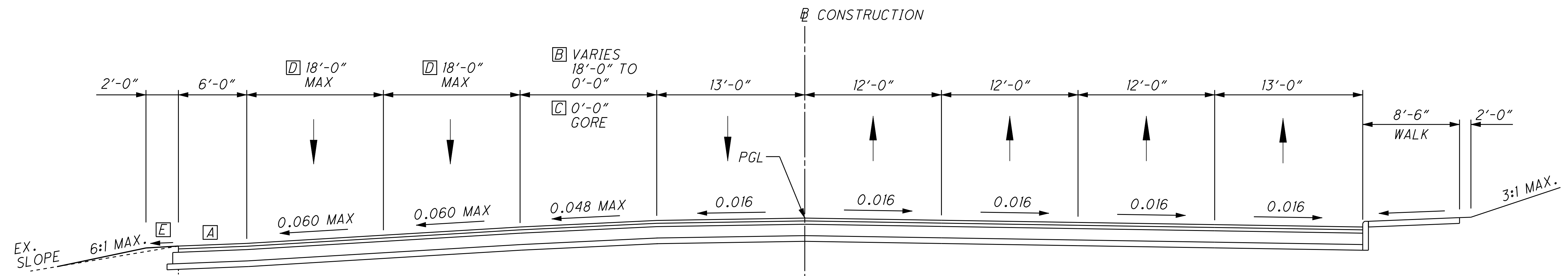
EAST 9TH STREET
SECTION APPLIES:
STA. 30+74.05 TO STA. 33+77.31 = 303.26 LIN. FT.

- Ⓒ DIRECTION REVERSED FROM STA. 32+65.00 TO STA. 33+77.31
- Ⓓ STA. 30+74.05 TO STA. 31+46.74
- Ⓔ STA. 31+46.74 TO STA. 33+77.31
- Ⓕ STA. 30+74.05 TO STA. 33+16.30
- Ⓖ STA. 33+16.30 TO STA. 33+77.31

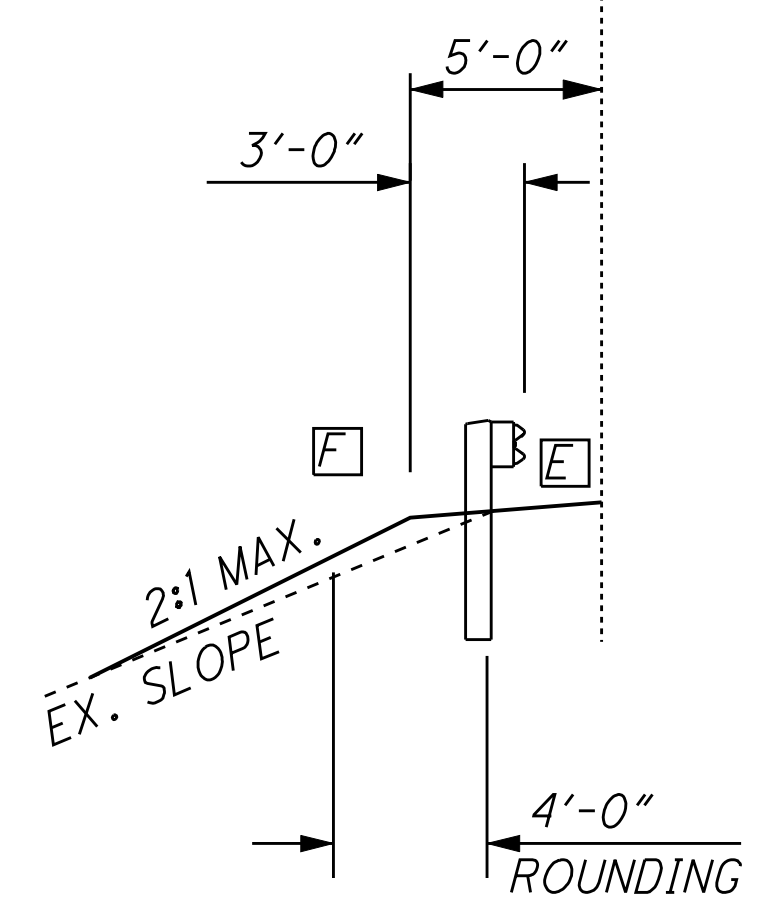
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EAST 9TH STREET
SECTION APPLIES:
STA. 33+77.31 TO STA. 39+55.40 = 578.09 LIN. FT.

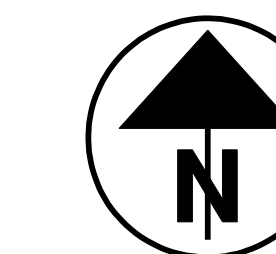


EAST 9TH STREET
SECTION APPLIES:
STA. 39+55.40 TO STA. 40+90.01 = 134.61 LIN. FT.

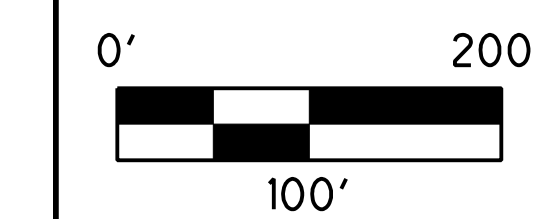


- | | |
|--|------------------------------------|
| [A] 0.04 OR PAVEMENT SLOPE, WHICHEVER IS GREATER | [M] STA. 36+74.29 TO STA. 37+22.74 |
| [B] STA. 39+55.40 TO STA. 40+21.85 | [N] STA. 37+22.74 TO STA. 37+72.74 |
| [C] STA. 40+21.85 TO 40+90.01 | [O] STA. 37+72.74 TO STA. 39+55.40 |
| [D] WIDEN CURVE AS REQUIRED PER ODOT LOCATION AND DESIGN MANUAL, VOLUME 1. | [P] STA. 35+37.08 TO STA. 39+55.40 |
| [E] 0.08 SLOPE | [Q] STA. 33+77.31 TO STA. 37+22.74 |
| [F] STA. 39+55.40 TO STA. 39+82.06 | [R] STA. 33+77.31 TO STA. 34+15.00 |
| [G] STA. 33+77.31 TO STA. 34+15.00 | [S] STA. 34+15.00 TO STA. 34+82.73 |
| [H] STA. 33+77.31 TO STA. 34+81.67 | [T] STA. 34+82.73 TO STA. 35+46.12 |
| [I] STA. 34+81.67 TO STA. 35+82.74 | [U] STA. 33+77.31 TO STA. 34+56.30 |
| [J] STA. 35+82.74 TO STA. 39+55.40 | [V] STA. 34+56.30 TO STA. 35+46.12 |
| [K] STA. 33+77.31 TO STA. 35+37.08 | [W] STA. 35+46.12 TO STA. 39+55.40 |
| [L] STA. 35+37.08 TO STA. 36+74.29 | [X] STA. 33+77.31 TO STA. 34+15.00 |
| | [Y] STA. 34+15.00 TO STA. 34+56.30 |

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CONTRACT GROUP 3 - SHEET 2

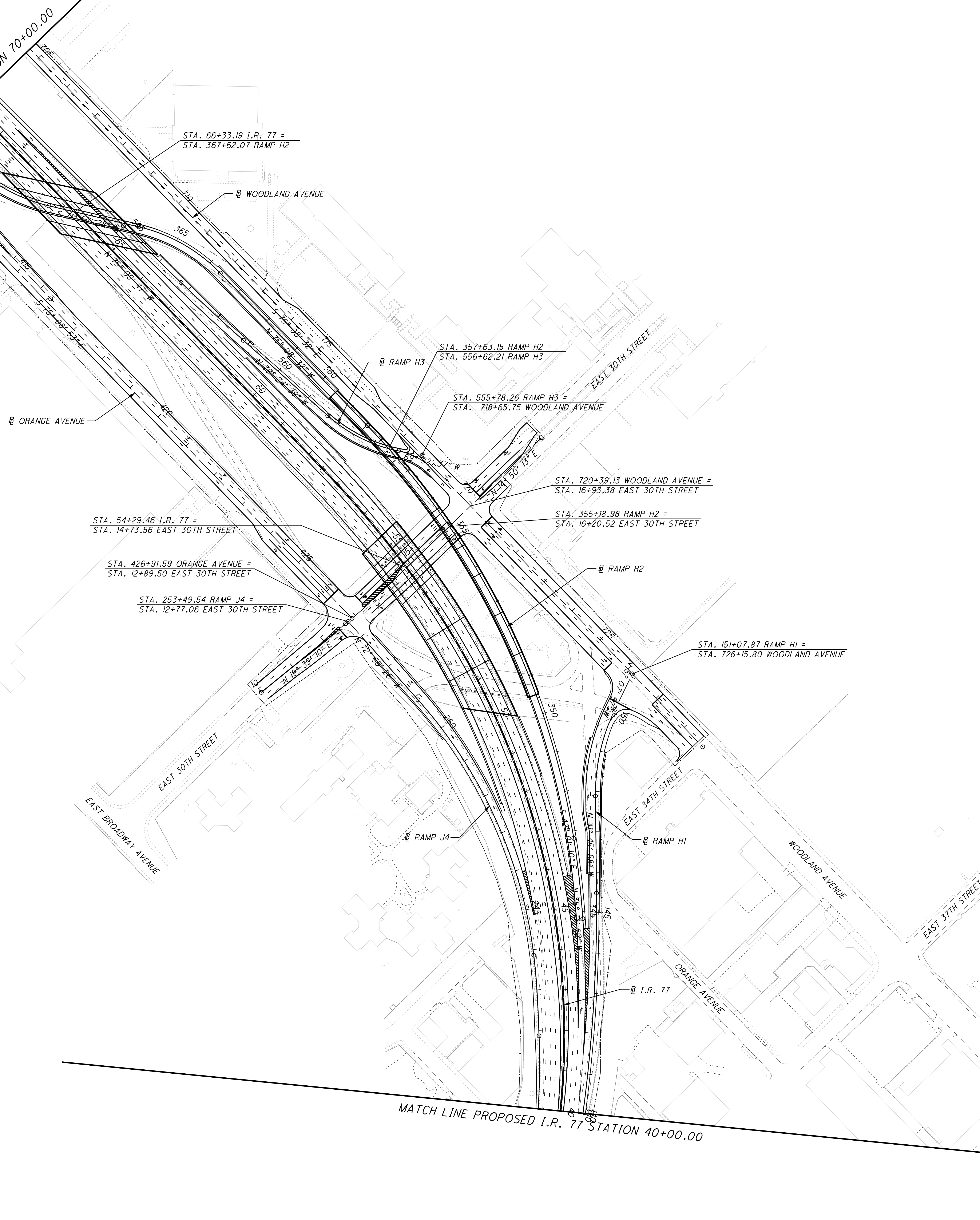


DECEMBER 23, 2009
DRAFT

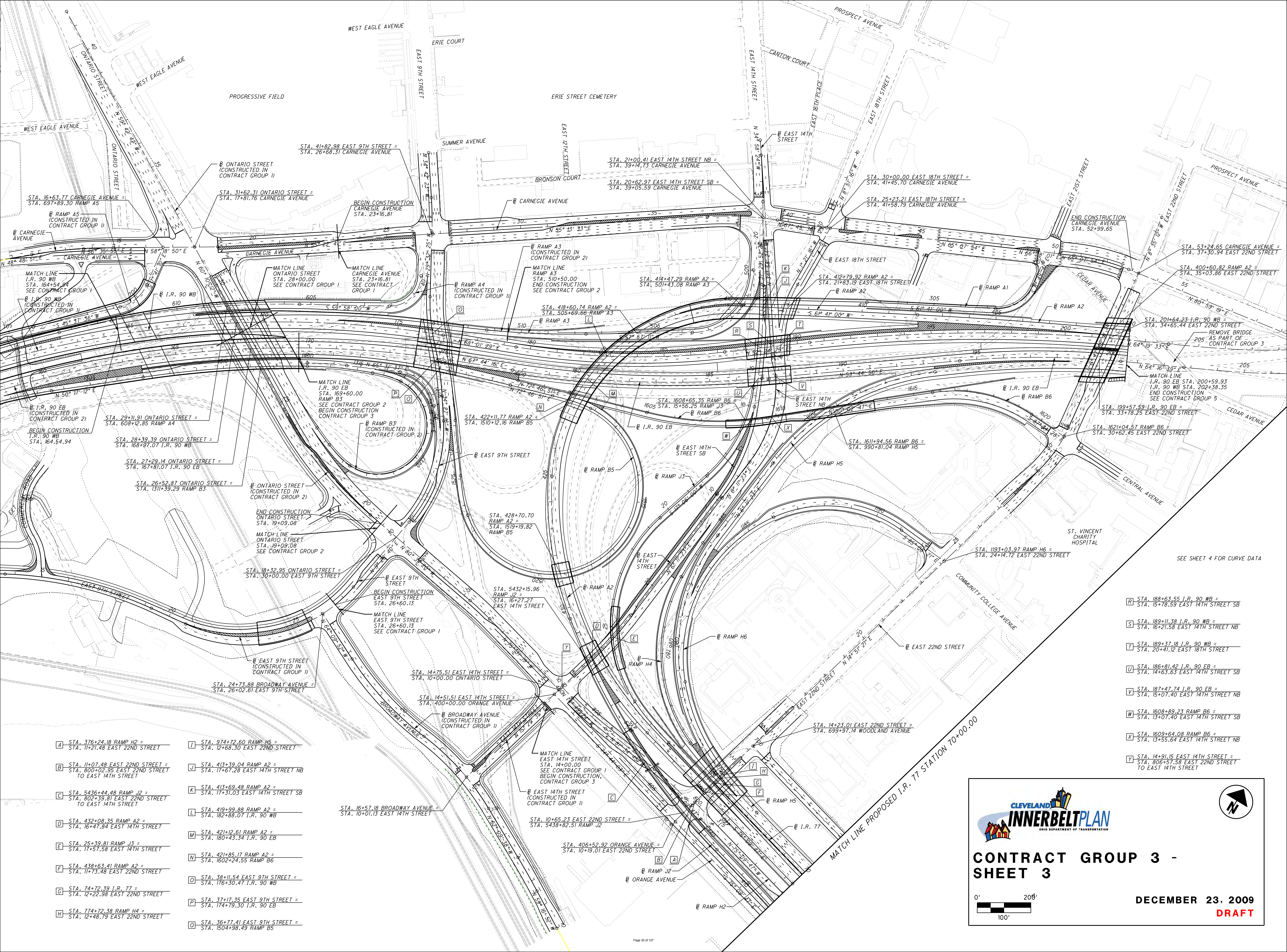
MATCH LINE PROPOSED I.R. 77 STATION 70+00.00

MATCH LINE PROPOSED I.R. 77 STATION 40+00.00

<p>I.R. 77</p> <p>P.I. STA. 46+86.03 Δ = 41° 59' 20" (LT) Dc = 3° 00' 00" R = 1,909.86' T = 732.91' L = 1,399.63' E = 135.80' P.C.C. STA. 39+53.11 P.C.C. STA. 53+52.74 V_{DES} = 60 MPH e_{MAX} = 0.055 WIDENING = N/A</p> <p>P.I. STA. 55+53.28 Δ = 9° 00' 20" (LT) Dc = 2° 15' 00" R = 2,546.48' T = 200.54' L = 400.25' E = 7.88' P.C.C. STA. 53+52.74 P.T. STA. 57+52.99 V_{DES} = 60 MPH e_{MAX} = 0.048 WIDENING = N/A</p> <p>RAMP HI</p> <p>P.I. STA. 142+24.94 Δ = 9° 43' 30" (LT) Dc = 1° 30' 00" R = 3,819.72' T = 324.94' L = 648.33' E = 13.80' P.C. STA. 139+00.00 P.T. STA. 145+48.33 V_{DES} = 60 MPH e_{MAX} = 0.037 WIDENING = N/A</p> <p>P.I. STA. 149+01.59 Δ = 26° 38' 01" (RT) Dc = 12° 00' 00" R = 477.46' T = 113.02' L = 221.95' E = 13.19' P.C. STA. 147+88.57 P.T. STA. 150+10.52 V_{DES} = 25 MPH e_{MAX} = 0.041 WIDENING = N/A</p>	<p>RAMP H2</p> <p>P.I. STA. 342+16.95 Δ = 11° 58' 09" (LT) Dc = 2° 15' 00" R = 2,546.48' T = 266.95' L = 531.97' E = 13.95' P.C. STA. 339+50.00 C.S. STA. 344+81.97 V_{DES} = 60 MPH e_{MAX} = 0.048 WIDENING = N/A</p> <p>P.I. STA. 345+86.80 Δ = 34° 45' 39" (LT) Dc = 3° 00' 00" R = 1,909.86' T = 597.80' L = 1,158.70' E = 13.80' S.C. STA. 346+81.97 P.T. STA. 358+40.66 V_{DES} = 45 MPH e_{MAX} = 0.039 WIDENING = N/A</p> <p>P.I. STA. 352+79.76 Δ = 34° 45' 39" (LT) Dc = 3° 00' 00" R = 1,909.86' T = 597.80' L = 1,158.70' E = 13.80' S.C. STA. 346+81.97 P.T. STA. 358+40.66 V_{DES} = 45 MPH e_{MAX} = 0.039 WIDENING = N/A</p> <p>P.I. STA. 364+85.42 Δ = 32° 54' 00" (LT) Dc = 14° 00' 00" R = 409.26' T = 120.84' L = 235.00' E = 17.47' P.C. STA. 363+64.58 P.T. STA. 365+99.58 V_{DES} = 35 MPH e_{MAX} = 0.059 WIDENING = N/A</p> <p>P.I. STA. 369+49.04 Δ = 32° 52' 46" (RT) Dc = 14° 00' 00" R = 409.25' T = 120.76' L = 234.85' E = 17.44' P.C. STA. 368+28.28 P.T. STA. 370+63.13 V_{DES} = 35 MPH e_{MAX} = 0.059 WIDENING = N/A</p>	<p>RAMP H3</p> <p>P.I. STA. 557+38.34 Δ = 30° 42' 44" (RT) Dc = 15° 30' 00" R = 369.65' T = 101.51' L = 198.14' E = 13.69' P.C. STA. 556+36.82 P.T. STA. 558+34.97 V_{DES} = 30 MPH e_{MAX} = 0.016 WIDENING = N/A</p> <p>P.I. STA. 562+75.31 Δ = 2° 06' 07" (RT) Dc = 1° 00' 00" R = 5,729.58' T = 105.11' L = 210.21' E = 0.96' P.C. STA. 561+14.79 C.S. STA. 563+25.00 V_{DES} = 50 MPH e_{MAX} = 0.020 WIDENING = N/A</p> <p>P.I. STA. 563+91.67 Ls = 200.00' Dc = 3° 00' 00" R = 1,909.86' LT = 133.34' ST = 66.67' x = 199.99' y = 1.16' k = 100.00' p = 0.29' C.S. STA. 563+25.00 P.T. STA. 565+25.00</p>
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<p>RAMP J2</p> <p>P.I. STA. 5443+40.09 Δ = 4° 00' 32" (RT) Dc = 2° 00' 00" R = 2,864.79' T = 100.26' L = 200.44' E = 1.75' P.C. STA. 5442+39.83 P.C.C. STA. 5444+40.27 V_{DES} = 40 MPH e_{MAX} = 0.025 WIDENING = N/A</p>	<p>RAMP J4</p> <p>P.I. STA. 243+19.60 Ls = 200.00' Dc = 4° 55' 45" R = 1,162.38' T = 99.89' L = 199.70' E = 1.74' P.C. STA. 5446+36.29 P.T. STA. 5448+35.98 V_{DES} = 40 MPH e_{MAX} = 0.025 WIDENING = N/A</p>	<p>EAST 30TH STREET</p> <p>P.I. STA. 13+28.92 Ls = 200.00' Dc = 4° 48' 56" (LT) R = 1,432.39' T = 60.23' L = 120.39' E = 1.27' P.C. STA. 12+68.68 C.S. STA. 13+89.08 V_{DES} = 30 MPH e_{MAX} = 0.016 WIDENING = N/A</p>
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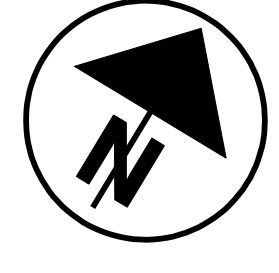


SEE SHEET 4 FOR CURVE DATA

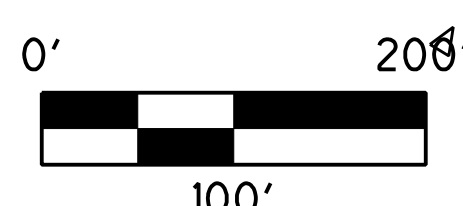
- [R] STA. 188+63.55 I.R. 90 WB = STA. 15+78.59 EAST 14TH STREET SB
- [S] STA. 189+11.38 I.R. 90 WB = STA. 16+21.58 EAST 14TH STREET NB
- [T] STA. 189+37.18 I.R. 90 WB = STA. 20+41.12 EAST 18TH STREET
- [U] STA. 186+81.42 I.R. 90 EB = STA. 14+63.63 EAST 14TH STREET SB
- [V] STA. 187+47.74 I.R. 90 EB = STA. 15+07.40 EAST 14TH STREET NB
- [W] STA. 1608+89.23 RAMP B6 = STA. 13+07.40 EAST 14TH STREET SB
- [X] STA. 1609+64.08 RAMP B6 = STA. 13+55.64 EAST 14TH STREET NB
- [Y] STA. 14+91.15 EAST 14TH STREET = STA. 806+57.58 EAST 22ND STREET TO EAST 14TH STREET



CLEVELAND INNERBELT PLAN
OHIO DEPARTMENT OF TRANSPORTATION



CONTRACT GROUP 3 - SHEET 3



DECEMBER 23, 2009
DRAFT

PROPOSED I.R. 90 EB

P.I. STA. 160+10.81
Δ = 48° 45' 28" (RT)
Dc = 1° 30' 00"
R = 3,819.72'
T = 1,731.00'
L = 3,250.51'
E = 373.92'
P.C. STA. 142+79.81
P.T. STA. 175+30.32
e_max = 0.037
V_max = 60 MPH
WIDENING = N/A

P.I. STA. 182+31.35
Δ = 13° 59' 20" (LT)
Dc = 1° 30' 00"
R = 3,819.72'
T = 468.63'
L = 932.59'
E = 28.64'
P.C. STA. 177+62.73
P.T. STA. 186+95.32
e_max = 0.037
V_max = 60 MPH
WIDENING = N/A

P.I. STA. 197+37.95
Δ = 10° 31' 43" (RT)
Dc = 1° 45' 00"
R = 3,274.04'
T = 301.67'
L = 601.64'
E = 13.87'
P.C. STA. 194+36.29
P.T. STA. 200+37.92
e_max = 0.041
V_max = 60 MPH
WIDENING = N/A

PROPOSED I.R. 90 WB

P.I. STA. 161+43.75
Δ = 49° 02' 41" (RT)
Dc = 1° 30' 00"
R = 3,819.72'
T = 1,742.54'
L = 3,269.64'
E = 378.70'
P.C. STA. 144+01.20
P.T. STA. 176+70.85
e_max = 0.037
V_max = 60 MPH
WIDENING = N/A

P.I. STA. 183+38.73
Δ = 15° 37' 04" (LT)
Dc = 2° 00' 00"
R = 2,864.79'
T = 392.88'
L = 780.89'
E = 26.81'
P.C. STA. 179+45.85
P.T. STA. 187+26.74
e_max = 0.045
V_max = 60 MPH
WIDENING = N/A

P.I. STA. 196+43.69
Δ = 11° 55' 09" (RT)
Dc = 1° 00' 00"
R = 5,729.58'
T = 598.11'
L = 1,191.91'
E = 31.13'
P.C. STA. 190+45.58
P.T. STA. 202+37.49
e_max = 0.027
V_max = 60 MPH
WIDENING = N/A

RAMP A1

P.I. STA. 301+93.40
Δ = 70° 30' 41" (RT)
Dc = 39° 30' 52"
R = 145.00'
T = 102.50'
L = 178.45'
E = 32.57'
P.C. STA. 300+90.90
P.T. STA. 302+69.35
e_max = 0.060
V_max = 25 MPH
WIDENING = 2'/LANE

RAMP A2

P.I. STA. 403+96.44
Δ = 2° 38' 33" (LT)
Dc = 0° 20' 00"
R = 17,188.73'
T = 396.44'
L = 792.75'
E = 4.57'
P.C. STA. 400+00.00
P.T. STA. 407+92.75
e_max = 0.016
V_max = 60 MPH
WIDENING = N/A

RAMP A2 (CONTINUED)

P.I. STA. 421+19.73
Δ = 89° 35' 47" (LT)
Dc = 8° 30' 00"
R = 674.07'
T = 669.34'
L = 1,054.08'
E = 275.87'
P.C. STA. 414+50.40
P.R.C. STA. 425+04.47
e_max = 0.060
V_max = 45 MPH
WIDENING = 2'/LANE

P.I. STA. 430+61.40
Δ = 47° 15' 00" (LT)
Dc = 4° 30' 00"
R = 1,273.24'
T = 556.93'
L = 1,050.00'
E = 116.47'
P.R.C. STA. 425+04.47
P.T. STA. 435+54.47
e_max = 0.054
V_max = 50 MPH
WIDENING = N/A

RAMP A3

P.I. STA. 502+29.29
Δ = 89° 27' 03" (RT)
Dc = 24° 45' 00"
R = 231.50'
T = 229.29'
L = 361.42'
E = 94.33'
P.C. STA. 500+00.00
P.T. STA. 503+61.42
e_max = 0.060
V_max = 30 MPH
WIDENING = 2'/LANE

RAMP B3

P.I. STA. 1310+06.09
Δ = 9° 22' 50" (RT)
Dc = 1° 31' 38"
R = 3,751.72'
T = 123.04'
L = 245.47'
E = 5.27'
P.C. STA. 1306+98.29
P.C.C. STA. 1313+12.53
e_max = 0.055
V_max = 60 MPH
WIDENING = N/A

P.I. STA. 1314+35.57
Δ = 9° 49' 08" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 123.04'
L = 245.47'
E = 5.27'
P.C. STA. 1313+12.53
P.C.C. STA. 1313+12.53
e_max = 0.024
V_max = 45 MPH
WIDENING = N/A

P.I. STA. 1320+09.13
Δ = 220° 40' 33" (RT)
Dc = 31° 00' 00"
R = 184.83'
Ls = 110.00'
θ s = 17° 03' 00"
LT = 73.68'
ST = 36.98'
x = 109.03'
y = 10.84'
k = 54.84'
p = 2.72'
Δ c = 186° 34' 33" (RT)
Lc = 601.86'
Ts = 451.13'
Es = 253.60'
T.S. STA. 1315+58.00
S.C. STA. 1316+68.00
C.S. STA. 1322+69.86
S.T. STA. 1323+79.86
e_max = 0.034
V_max = 35 MPH
WIDENING = N/A

RAMP B3 (CONTINUED)

P.I. STA. 1324+19.00
Δ = 4° 41' 38" (RT)
Dc = 6° 00' 00"
R = 954.93'
T = 39.14'
L = 78.23'
E = 0.80'
P.C. STA. 1323+79.86
P.T. STA. 1324+58.09
e_max = 0.060
V_max = 30 MPH
WIDENING = N/A

RAMP B4

P.I. STA. 1400+73.92
Δ = 5° 51' 34" (RT)
Dc = 3° 58' 00"
R = 1,444.39'
T = 73.92'
L = 147.72'
E = 1.89'
P.C. STA. 1400+00.00
P.T. STA. 1401+47.72
e_max = 0.034
V_max = 40 MPH
WIDENING = N/A

RAMP B5

P.I. STA. 1404+61.72
Δ = 76° 13' 01" (RT)
Dc = 39° 30' 52"
R = 145.00'
T = 113.73'
L = 192.88'
E = 39.28'
P.C. STA. 1403+47.99
P.T. STA. 1405+40.88
e_max = 0.060
V_max = 25 MPH
WIDENING = 2'/LANE

RAMP B5

P.I. STA. 1502+70.17
Δ = 11° 32' 43" (RT)
Dc = 2° 10' 00"
R = 2,644.42'
T = 267.34'
L = 532.86'
E = 13.48'
P.C. STA. 1500+02.84
P.T. STA. 1505+35.70
e_max = 0.037
V_max = 50 MPH
WIDENING = N/A

P.I. STA. 1506+53.32
Δ = 1° 34' 05" (RT)
Dc = 17° 30' 00"
R = 8,594.37'
T = 117.62'
L = 235.23'
E = 0.80'
P.C. STA. 1505+35.70
P.T. STA. 1507+70.93
e_max = 0.016
V_max = 50 MPH
WIDENING = N/A

P.I. STA. 1513+28.75
Δ = 250° 05' 32" (RT)
Dc = 17° 30' 00"
R = 327.40'
Ls = 150.00'
θ s = 13° 07' 30"
LT = 100.28'
ST = 50.25'
x = 149.21'
y = 11.41'
k = 74.87'
p = 2.86'
Δ c = 223° 50' 32" (RT)
Lc = 1,279.10'
Ts = 395.99'
Es = 133.24'
T.S. STA. 1509+32.77
S.C. STA. 1510+33.04
C.S. STA. 1523+61.86
S.T. STA. 1524+12.12
e_max = 0.057
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 1515+28.75
Δ = 250° 05' 32" (RT)
Dc = 17° 30' 00"
R = 327.40'
Ls = 150.00'
θ s = 13° 07' 30"
LT = 100.28'
ST = 50.25'
x = 149.21'
y = 11.41'
k = 74.87'
p = 2.86'
Δ c = 223° 50' 32" (RT)
Lc = 1,279.10'
Ts = 395.99'
Es = 133.24'
T.S. STA. 1509+32.77
S.C. STA. 1510+33.04
C.S. STA. 1523+61.86
S.T. STA. 1524+12.12
e_max = 0.057
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 1526+15.39
Δ = 1° 02' 07" (RT)
Dc = 0° 30' 00"
R = 11,459.16'
T = 103.53'
L = 207.05'
E = 0.47'
P.C. STA. 1525+11.86
P.T. STA. 1527+18.92
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 1526+15.39
Δ = 1° 02' 07" (RT)
Dc = 0° 30' 00"
R = 11,459.16'
T = 103.53'
L = 207.05'
E = 0.47'
P.C. STA. 1525+11.86
P.T. STA. 1527+18.92
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

RAMP B6

P.I. STA. 1607+24.51
Δ = 22° 44' 05" (LT)
Dc = 5° 00' 00"
R = 1,145.92'
T = 230.38'
L = 454.69'
E = 22.93'
P.C. STA. 1604+94.13
P.T. STA. 1609+48.22
e_max = 0.051
V_max = 45 MPH
WIDENING = N/A

P.I. STA. 1617+74.53
Δ = 42° 56' 25" (RT)
Dc = 11° 00' 00"
R = 520.87'
T = 203.67'
L = 388.30'
E = 38.40'
P.C. STA. 1615+70.86
P.T. STA. 1619+59.16
e_max = 0.060
V_max = 40 MPH
WIDENING = 2.75'/LANE

RAMP H4

P.I. STA. 775+42.88
Δ = 8° 00' 00" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 100.16'
L = 200.00'
E = 52.65'
P.C. STA. 774+42.72
P.T. STA. 776+42.72
e_max = 0.052
V_max = 40 MPH
WIDENING = N/A

P.I. STA. 780+12.79
Δ = 65° 42' 59" (RT)
Dc = 10° 00' 00"
R = 572.96'
T = 307.07'
L = 657.16'
E = 109.12'
P.C. STA. 776+42.72
P.T. STA. 782+99.88
e_max = 0.053
V_max = 35 MPH
WIDENING = N/A

P.I. STA. 783+74.95
Δ = 6° 00' 00" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 75.07'
L = 150.00'
E = 1.97'
P.C. STA. 782+99.88
P.T. STA. 784+49.88
e_max = 0.034
V_max = 35 MPH
WIDENING = N/A

RAMP H5

P.I. STA. 973+83.24
Δ = 5° 00' 00" (RT)
Dc = 2° 30' 00"
R = 2,291.83'
T = 100.06'
L = 200.00'
E = 2.18'
P.C. STA. 972+83.18
P.T. STA. 974+83.18
e_max = 0.051
V_max = 60 MPH
WIDENING = 2'/LANE

P.I. STA. 980+46.29
Δ = 76° 21' 09" (RT)
Dc = 8° 00' 00"
R = 716.20'
T = 563.11'
L = 954.41'
E = 194.86'
P.C. STA. 974+83.18
P.T. STA. 984+37.59
e_max = 0.060
V_max = 45 MPH
WIDENING = 2'/LANE

P.I. STA. 991+52.66
Δ = 46° 24' 48" (RT)
Dc = 6° 30' 00"
R = 881.47'
T = 377.92'
L = 714.05'
E = 77.60'
P.C. STA. 987+74.74
P.T. STA. 994+88.79
e_max = 0.057
V_max = 45 MPH
WIDENING = 2'/LANE

P.I. STA. 991+52.66
Δ = 46° 24' 48" (RT)
Dc = 6° 30' 00"
R = 881.47'
T = 377.92'
L = 714.05'
E = 77.60'
P.C. STA. 987+74.74
P.T. STA. 994+88.79
e_max = 0.057
V_max = 45 MPH
WIDENING = 2'/LANE

RAMP H6

P.I. STA. 1182+94.80
Δ = 75° 00' 00" (RT)
Dc = 10° 00' 00"
R = 572.96'
T = 439.65'
L = 750.00'
E = 149.24'
P.C. STA. 1178+55.15
P.T. STA. 1186+05.15
e_max = 0.059
V_max = 40 MPH
WIDENING = N/A

P.I. STA. 1188+82.29
Δ = 60° 15' 57" (RT)
Dc = 12° 00' 00"
R = 477.46'
T = 277.14'
L = 502.22'
E = 74.61'
P.C. STA. 1186+05.15
P.T. STA. 1191+07.37
e_max = 0.057
V_max = 35 MPH
WIDENING = 3'/LANE

RAMP J2

P.I. STA. 5435+61.54
Δ = 23° 06' 15" (LT)
Dc = 5° 15' 00"
R = 2,546.48'
T = 100.16'
L = 1,026.85'
E = 52.65'
P.C. STA. 5430+41.04
P.T. STA. 5440+67.90
e_max = 0.028
V_max = 40 MPH
WIDENING = N/A

P.I. STA. 5443+40.09
Δ = 4° 00' 32" (RT)
Dc = 2° 00' 00"
R = 2,864.79'
T = 100.26'
L = 200.44'
E = 1.75'
P.C. STA. 5442+39.83
P.T. STA. 5444+40.27
e_max = 0.025
V_max = 40 MPH
WIDENING = N/A

RAMP J3

P.I. STA. 16+27.64
Δ = 40° 56' 29" (RT)
Dc = 10° 45' 00"
R = 532.98'
T = 198.96'
L = 380.85'
E = 35.93'
P.C. STA. 14+28.68
P.T. STA. 18+09.53
e_max = 0.060
V_max = 40 MPH
WIDENING = N/A

P.I. STA. 25+94.53
Δ = 91° 28' 11" (LT)
Dc = 10° 45' 00"
R = 532.98'
Lc = 750.88'
Es = 232.87'
P.C. STA. 20+44.58
P.T. STA. 27+95.46
e_max = 0.060
V_max = 40 MPH
WIDENING = N/A

P.I. STA. 28+62.35
Δ = 200.00'
θ s = 10° 45' 00"
LT = 133.58'
ST = 66.89'
x = 199.30'
y = 12.48'
k = 99.88'
p = 3.12'

P.I. STA. 28+62.35
Δ = 200.00'
θ s = 10° 45' 00"
LT = 133.58'
ST = 66.89'
x = 199.30'
y = 12.48'
k = 99.88'
p = 3.12'

P.I. STA. 28+62.35
Δ = 200.00'
θ s = 10° 45' 00"
LT = 133.58'
ST = 66.89'
x = 199.30'
y = 12.48'
k = 99.88'
p = 3.12'

CARNEGIE AVENUE

P.I. STA. 38+29.35
Δ = 22° 36' 03" (RT)
Dc = 4° 48' 00"
R = 1,193.66'
T = 131.79'
L = 262.52'
E = 7.25'
P.C. STA. 36+97.56
P.T. STA. 39+60.08
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 51+80.30
Δ = 15° 05' 25" (RT)
Dc = 7° 30' 00"
R = 763.94'
T = 106.39'
L = 211.43'
E = 7.37'
P.C. STA. 50+73.91
P.T. STA. 52+85.34
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

ONTARIO STREET

P.I. STA. 14+19.96
Δ = 5° 00' 00" (LT)
Dc = 5° 00' 00"
R = 1,145.92'
T = 50.03'
L = 100.00'
E = 1.09'
P.C. STA. 13+69.93
P.T. STA. 14+69.93
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 22+17.88
Δ = 20° 21' 07" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 257.11'
L = 508.80'
E = 22.89'
P.C. STA. 19+60.77
P.T. STA. 24+69.57
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

EAST 9TH STREET

P.I. STA. 24+68.44
Δ = 73° 48' 00" (LT)
Dc = 10° 45' 00"
R = 532.98'
T = 400.18'
L = 686.51'
E = 133.51'
P.C. STA. 20+68.27
P.T. STA. 27+54.78
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 32+89.03
Δ = 43° 55' 58" (LT)
Dc = 10° 45' 00"
R = 532.98'
T = 214.98'
L = 408.68'
E = 41.72'
P.C. STA. 30+74.05
P.T. STA. 34+82.73
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 36+72.07
Δ = 9° 36' 05" (LT)
Dc = 5° 00' 00"
R = 1,145.92'
T = 96.24'
L = 192.03'
E = 4.03'
P.C. STA. 35+75.83
P.T. STA. 37+67.86
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 38+59.07
Δ = 14° 30' 58" (RT)
Dc = 8° 00' 00"
R = 716.20'
T = 91.21'
L = 181.45'
E = 5.79'
P.C. STA. 37+67.86
P.T. STA. 39+49.31
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 42+54.27
Δ = 5° 09' 58" (LT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 64.62'
L = 129.15'
E = 1.46'
P.C. STA. 41+89.65
P.T. STA. 43+18.80
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

EAST 14TH STREET NB

P.I. STA. 13+48.32
Δ = 41° 09' 46" (LT)
Dc = 12° 00' 00"
R = 477.46'
T = 179.29'
L = 343.02'
E = 32.55'
P.C. STA. 11+69.03
P.T. STA. 15+12.06
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

EAST 14TH STREET SB

P.I. STA. 11+82.62
Δ = 28° 36' 36" (LT)
Dc = 8° 00' 00"
R = 716.20'
T = 182.62'
L = 357.63'
E = 22.92'
P.C. STA. 10+00.00
P.T. STA. 13+57.63
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 15+85.03
Δ = 9° 04' 38" (LT)
Dc = 2° 00' 00"
R = 2,864.79'
T = 227.41'
L = 453.87'
E = 9.01'
P.C. STA. 13+57.63
P.T. STA. 18+11.49
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 22+11.19
Δ = 3° 28' 32" (LT)
Dc = 2° 00' 00"
R = 2,864.79'
T = 86.91'
L = 173.78'
E = 1.32'
P.C. STA. 21+24.28
P.T. STA. 22+98.05
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

EAST 14TH STREET

P.I. STA. 17+47.21
Δ = 9° 18' 12" (LT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 116.55'
L = 232.59'
E = 4.73'
P.C. STA. 16+30.66
P.T. STA. 18+63.25
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

EAST 18TH STREET

P.I. STA. 21+44.24
Δ = 33° 37' 07" (RT)
Dc = 12° 00' 00"
R = 477.46'
T = 144.24'
L = 280.16'
E = 21.31'
P.C. STA. 20+00.00
P.T. STA. 22+80.16
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

EAST 22ND STREET

P.I. STA. 30+00.81
Δ = 21° 39' 06" (LT)
Dc = 11° 00' 00"
R = 520.87'
T = 99.61'
L = 196.83'
E = 9.44'
P.C. STA. 29+01.20
P.T. STA. 30+98.04
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 30+00.81
Δ = 21° 39' 06" (LT)
Dc = 11° 00' 00"
R = 520.87'
T = 99.61'
L = 196.83'
E = 9.44'
P.C. STA. 29+01.20
P.T. STA. 30+98.04
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

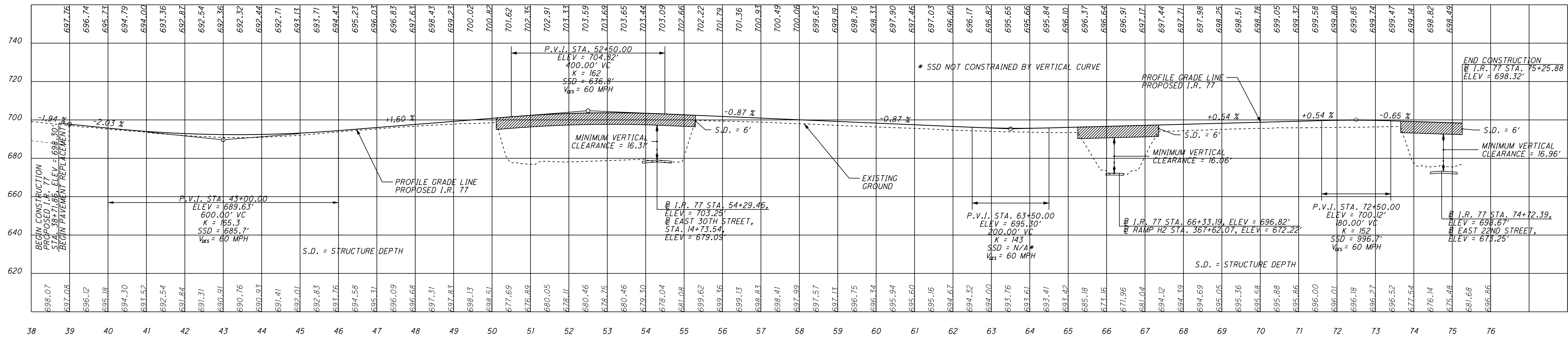
P.I. STA. 30+00.81
Δ = 21° 39' 06" (LT)
Dc = 11° 00' 00"
R = 520.87'
T = 99.61'
L = 196.83'
E = 9.44'
P.C. STA. 29+01.20
P.T. STA. 30+98.04
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

ORANGE AVENUE

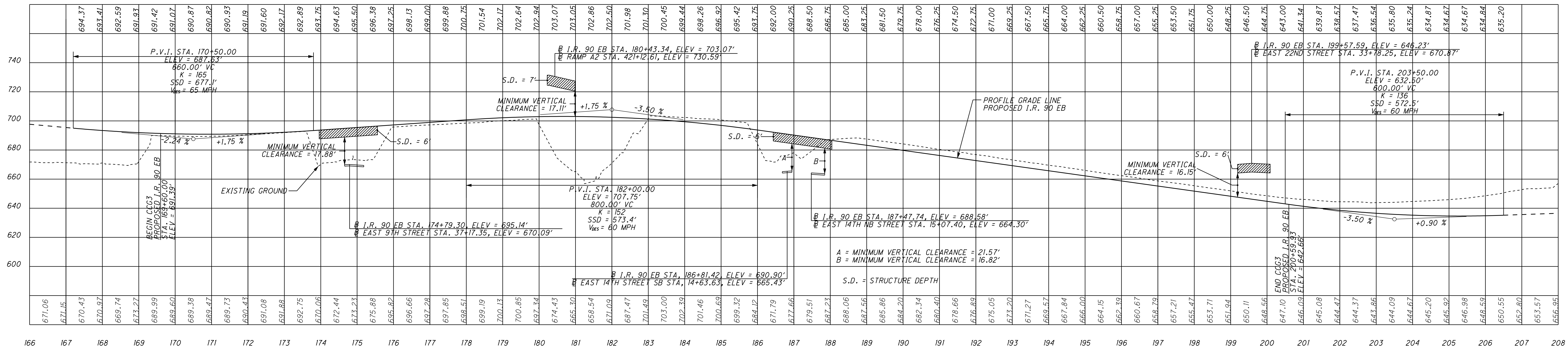
P.I. STA. 801+15.79
Δ = 6° 24' 58" (LT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 80.29'
L = 160.40'
E = 2.25'
P.C. STA. 800+35.50
P.T. STA. 801+95.91
e_max = 0.016
V_max = 30 MPH
WIDENING = N/A

P.I. STA. 805+16.25
Δ = 6° 45' 21" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 84.54'
L

PROPOSED I.R. 77



PROPOSED I.R. 90 EB

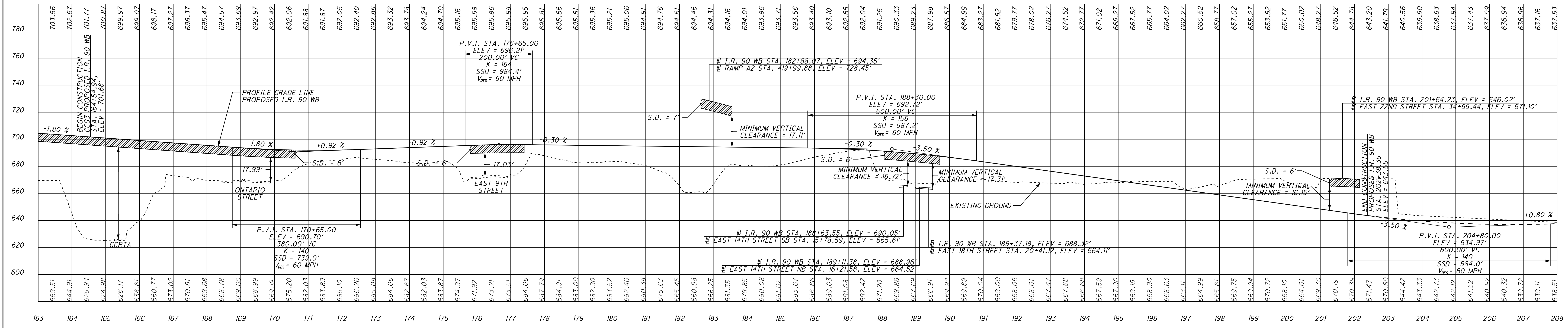


CLEVELAND INNERBELT PLAN
OHIO DEPARTMENT OF TRANSPORTATION

CONSTRUCTION CONTRACT GROUP 3 PROFILES - SHEET 1

DECEMBER 23, 2009
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PROPOSED I.R. 90 WB

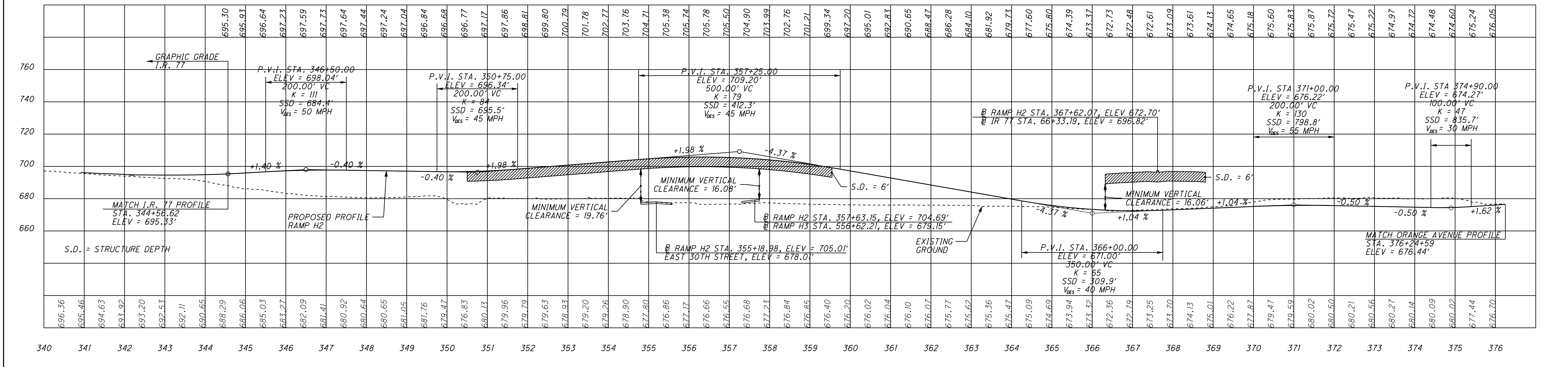



**CLEVELAND
INNERBELT PLAN**
OHIO DEPARTMENT OF TRANSPORTATION

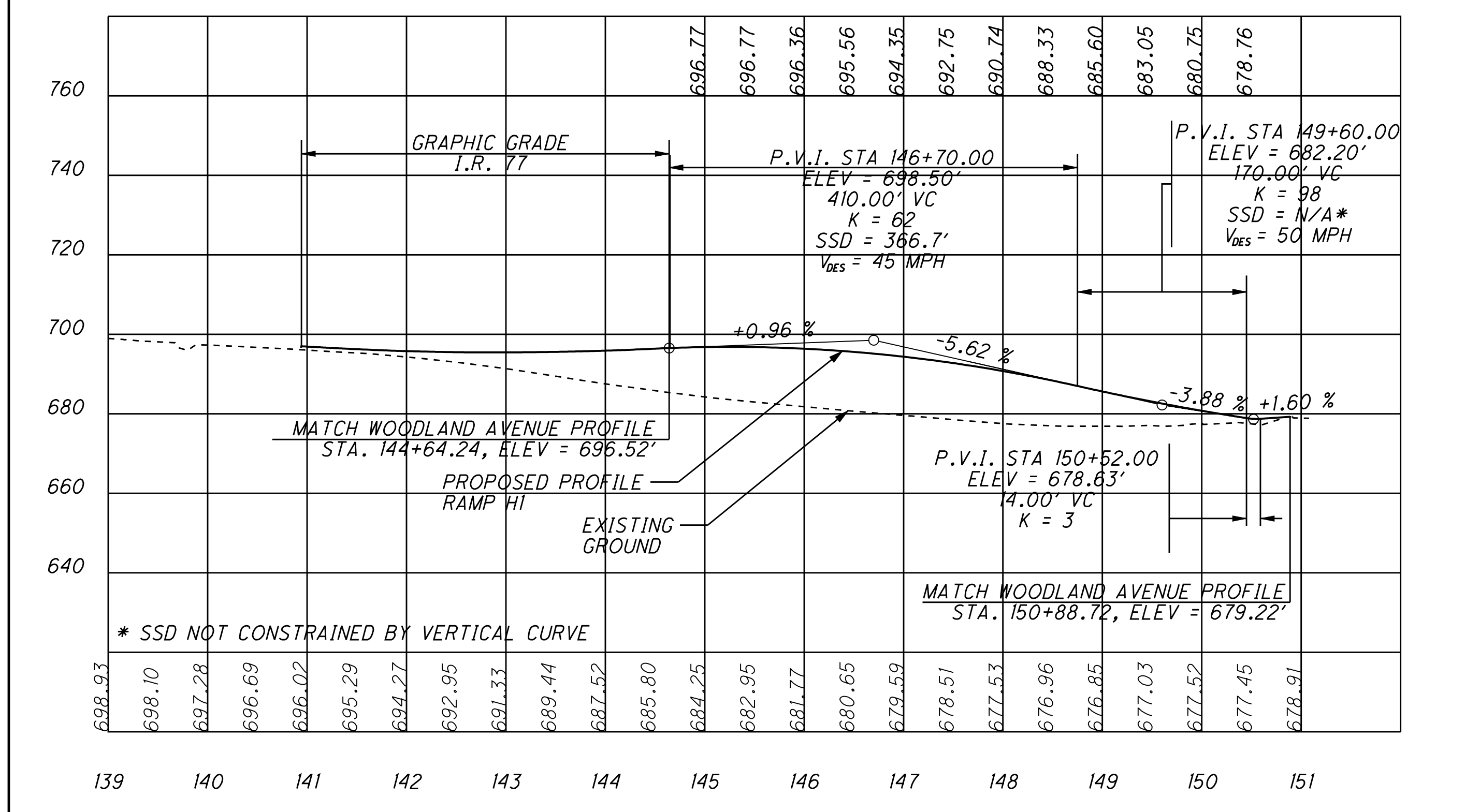
**CONSTRUCTION CONTRACT
GROUP 3 PROFILES -
SHEET 2**

**DECEMBER 23, 2009
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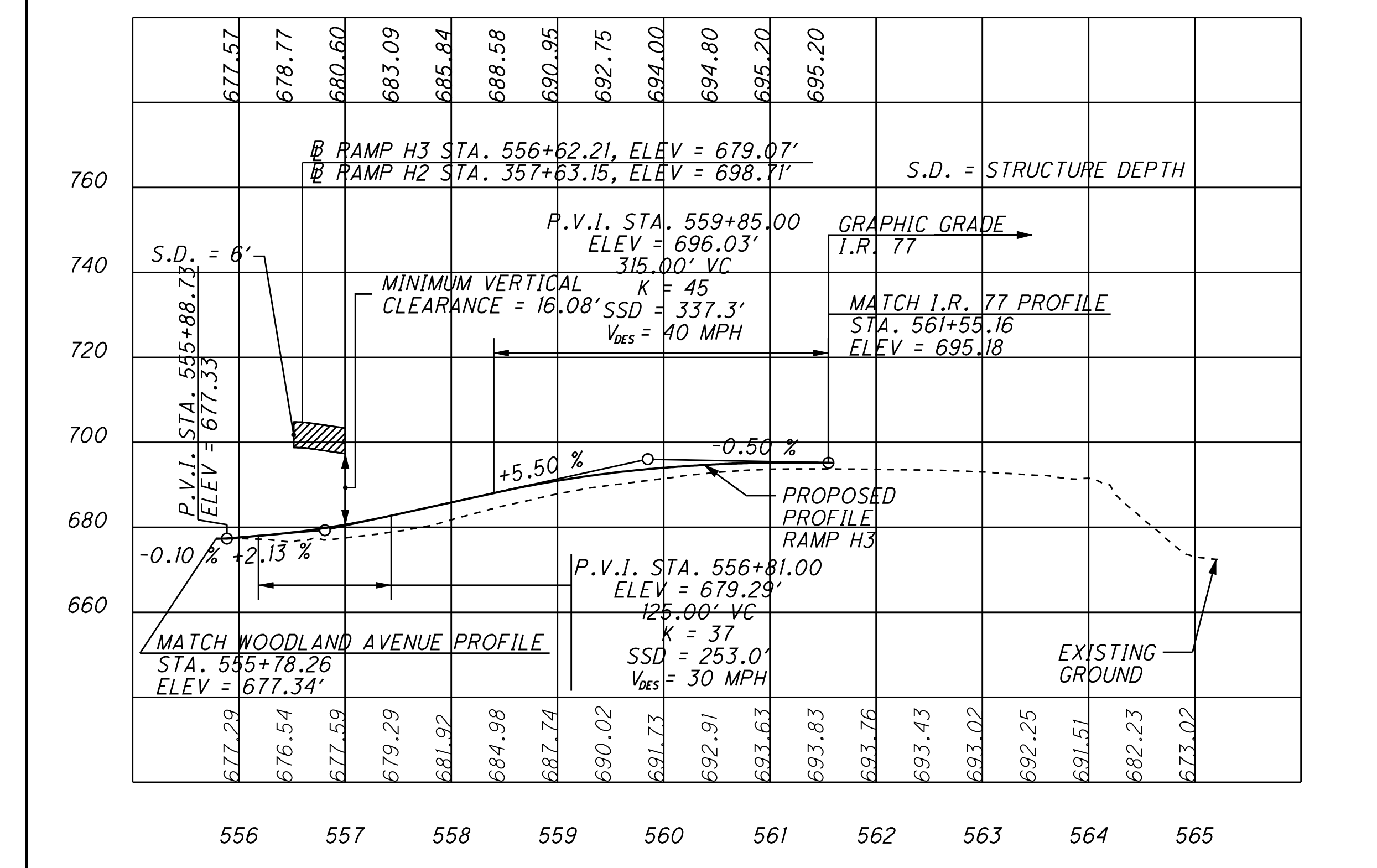
RAMP H2



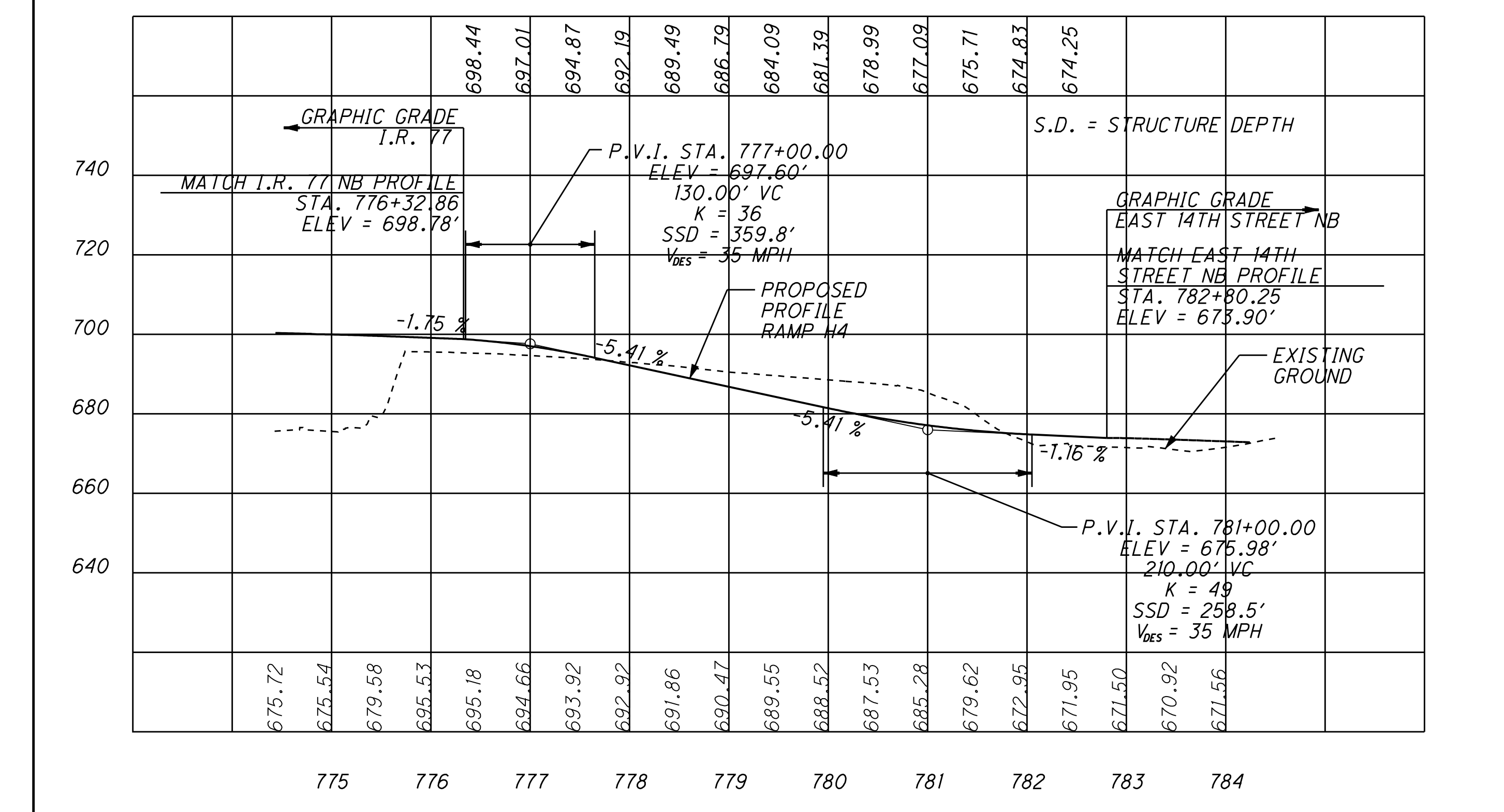
RAMP H1



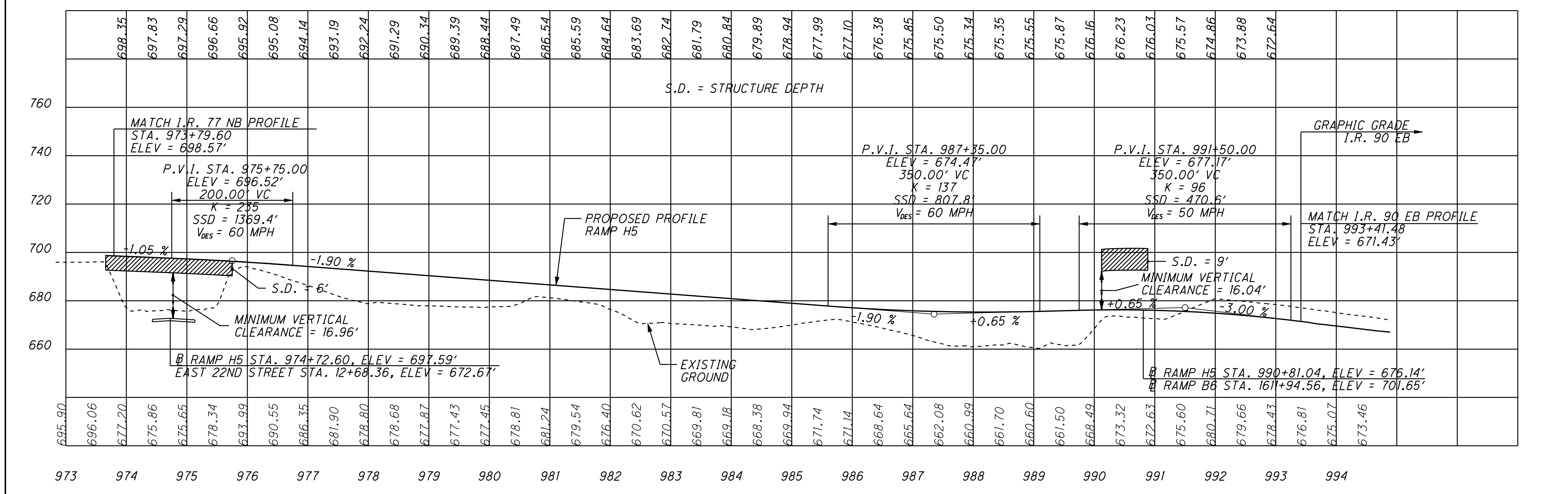
RAMP H3



RAMP H4



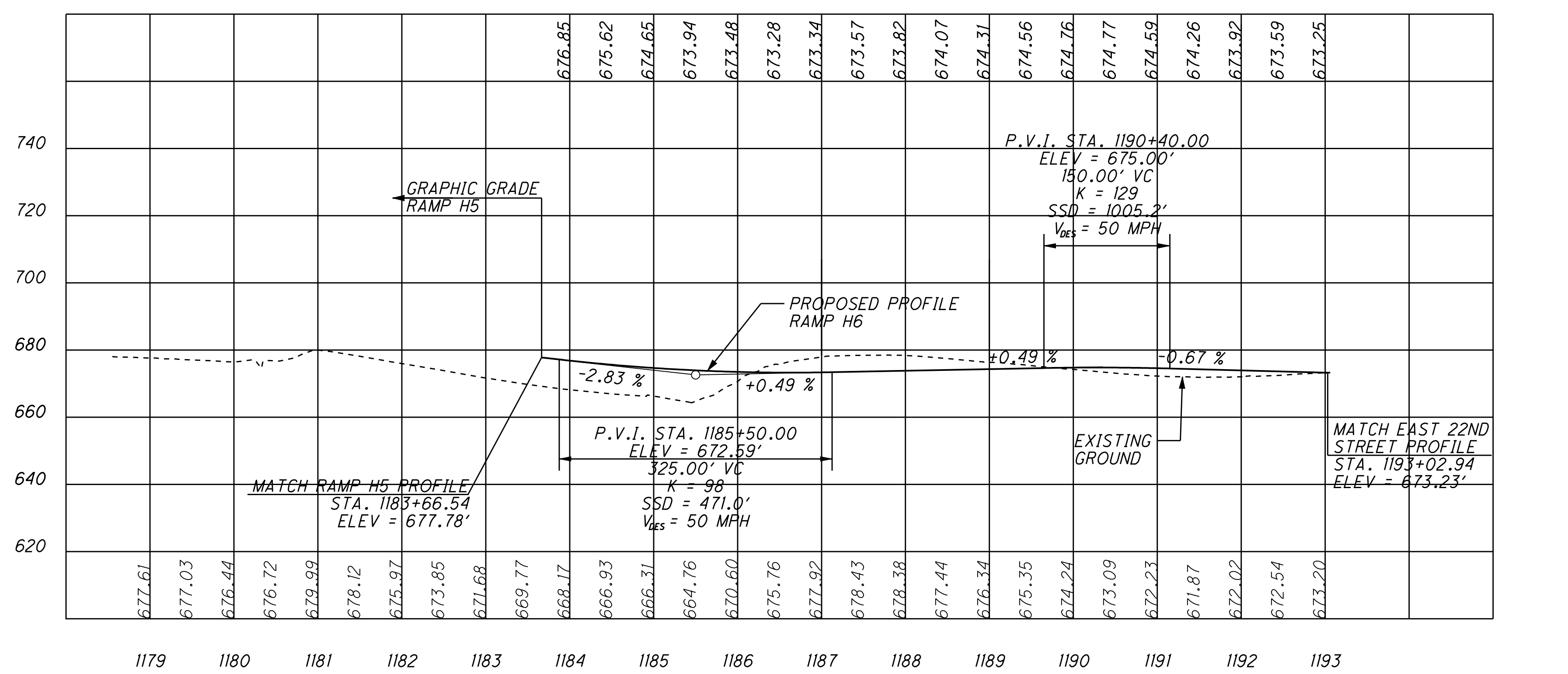
RAMP H5



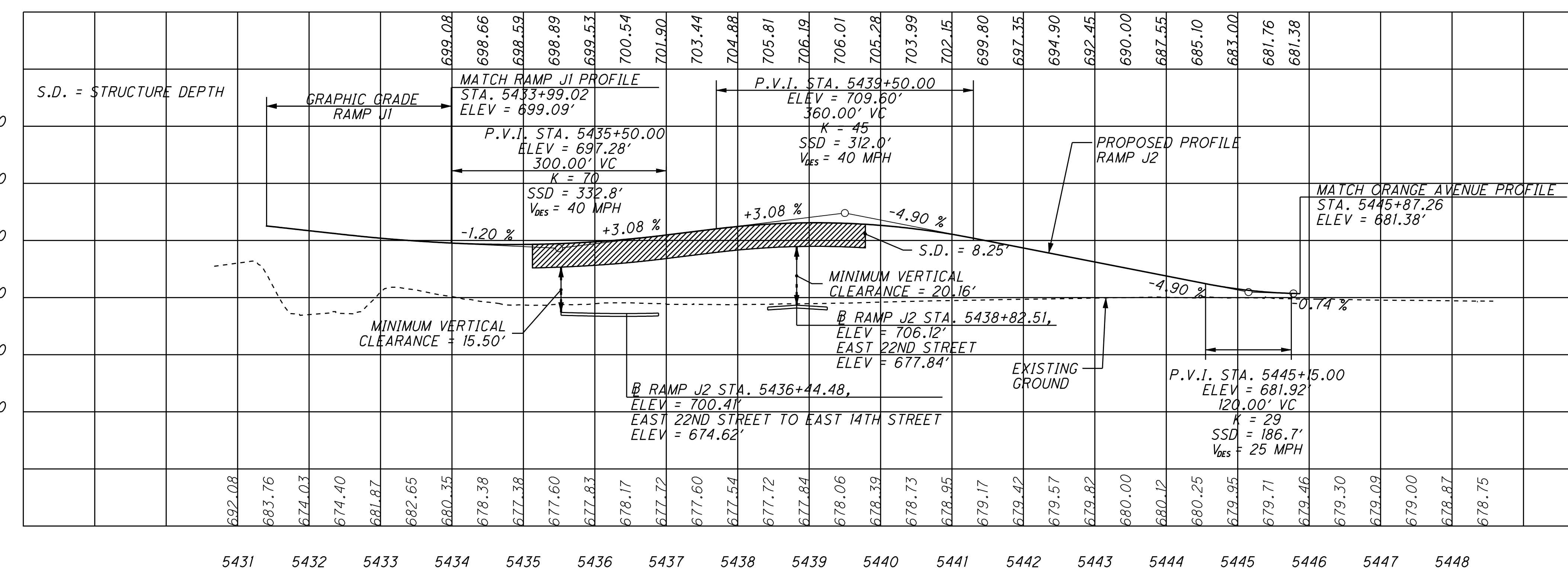
**CONSTRUCTION CONTRACT
GROUP 3 PROFILES -
SHEET 3**

DECEMBER 23, 2009
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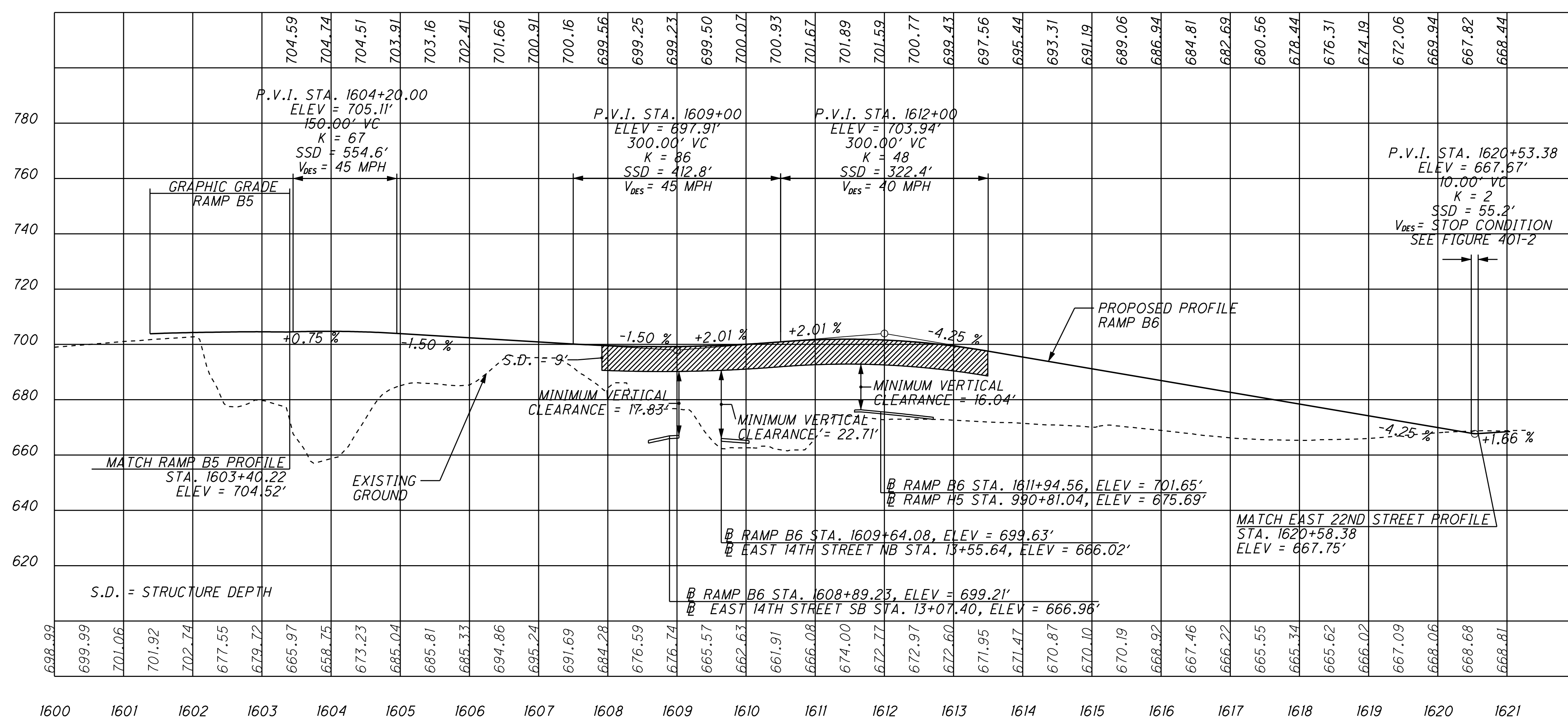
RAMP H6



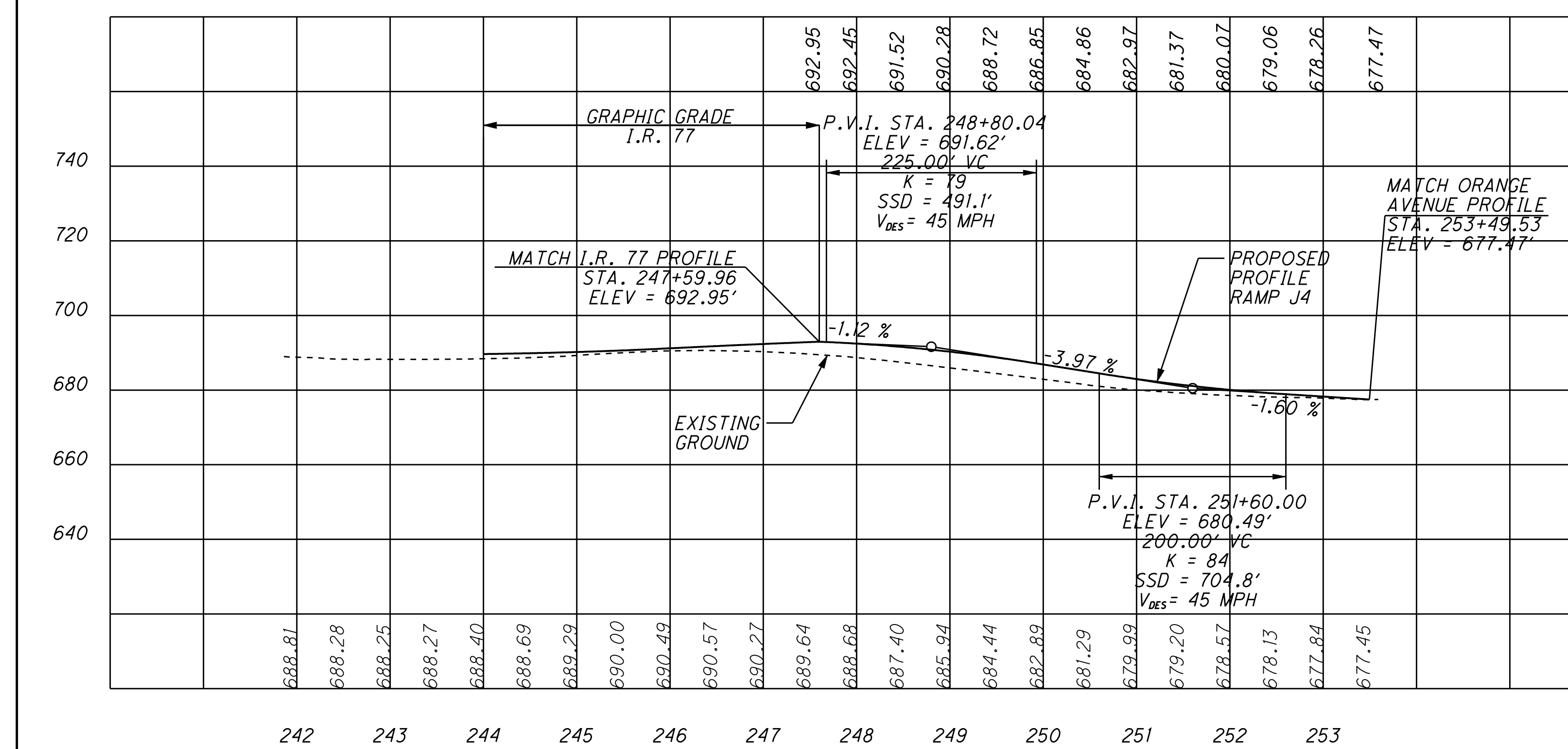
RAMP J2



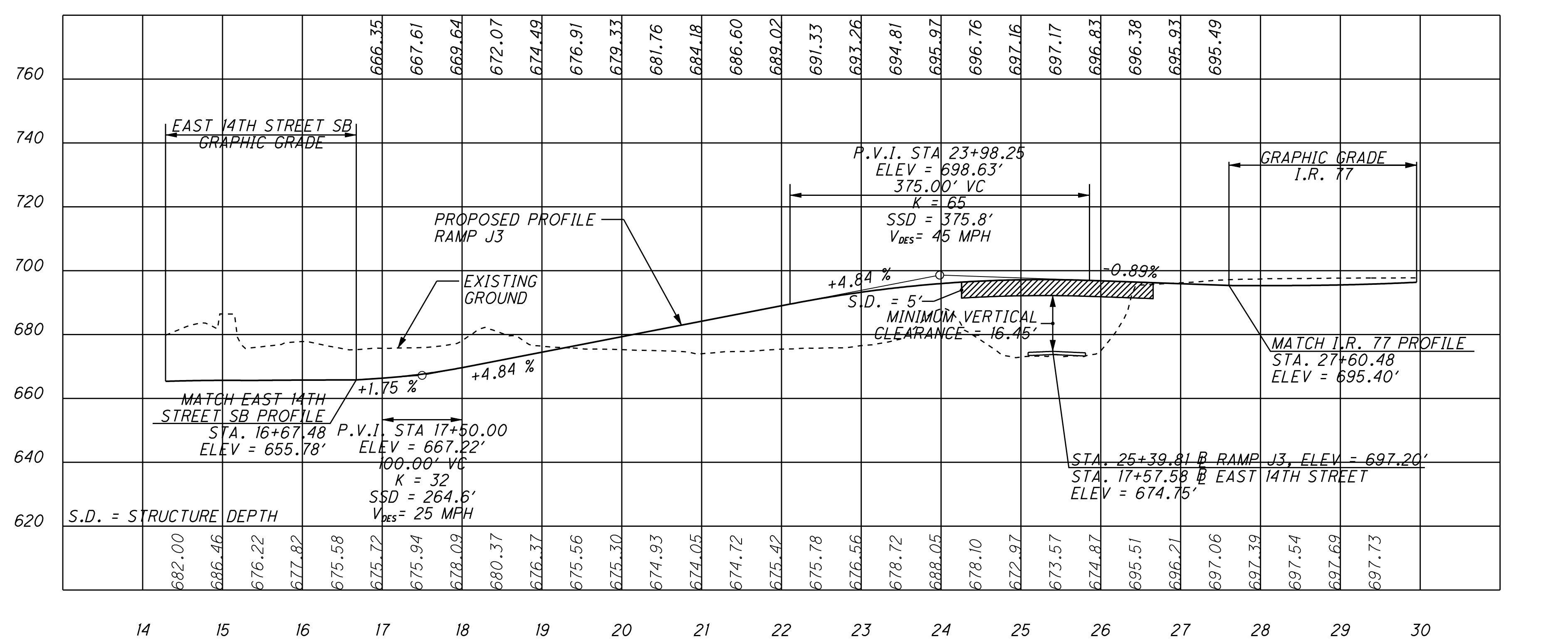
RAMP B6



RAMP J4



RAMP J3

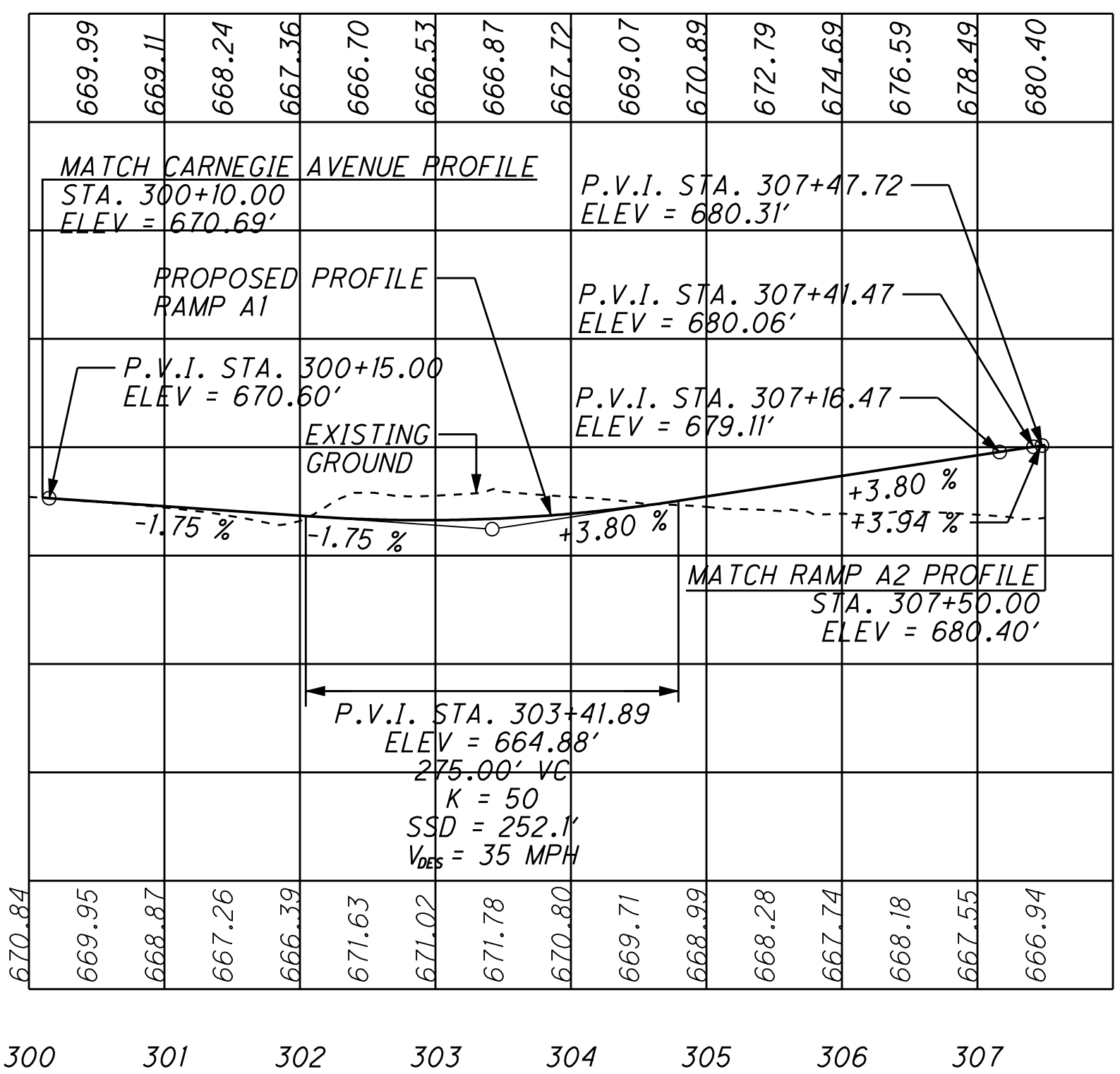


CLEVELAND INNERBELT PLAN
OHIO DEPARTMENT OF TRANSPORTATION

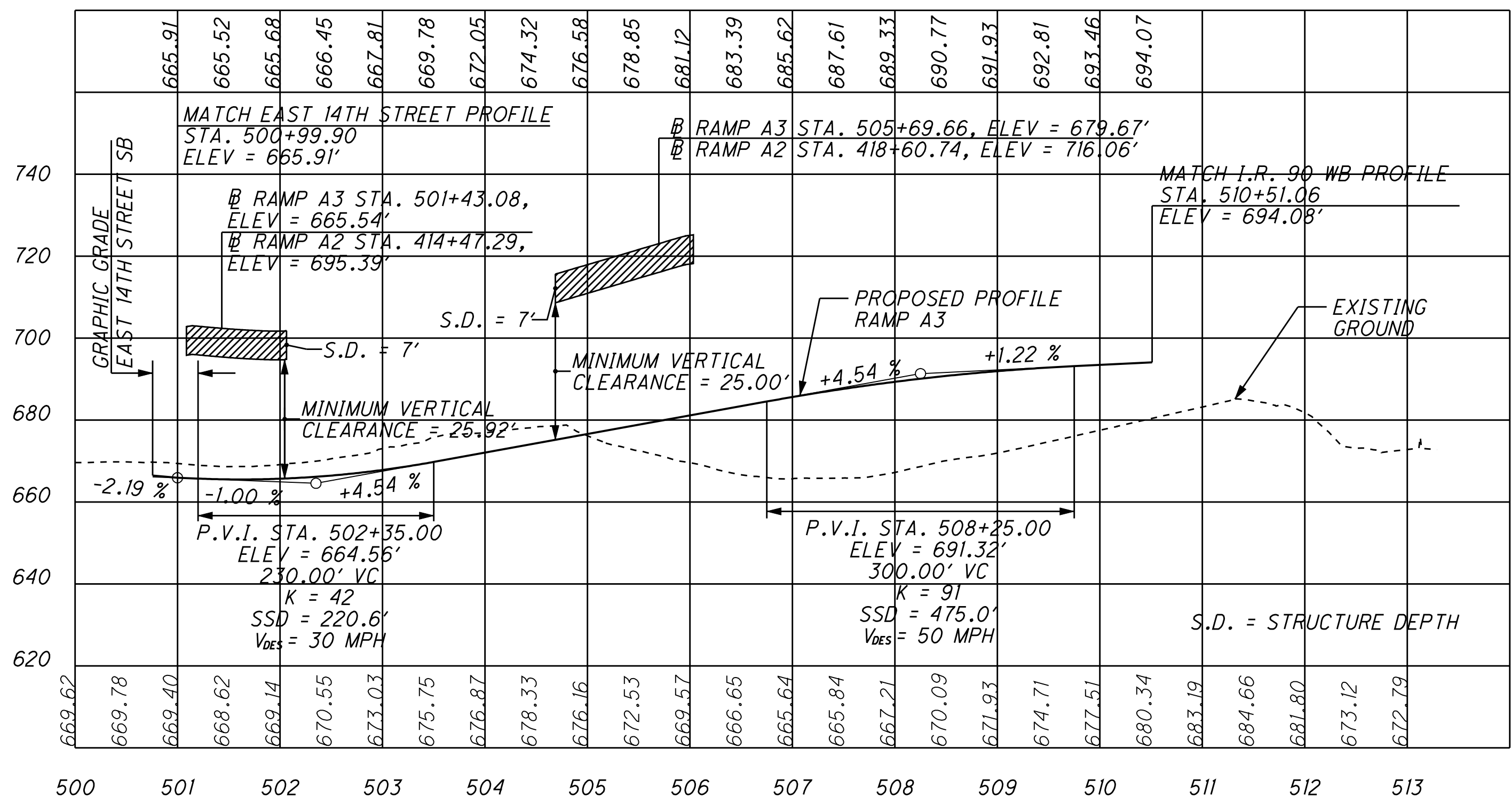
CONSTRUCTION CONTRACT GROUP 3 PROFILES - SHEET 4

DECEMBER 23, 2009 DRAFT

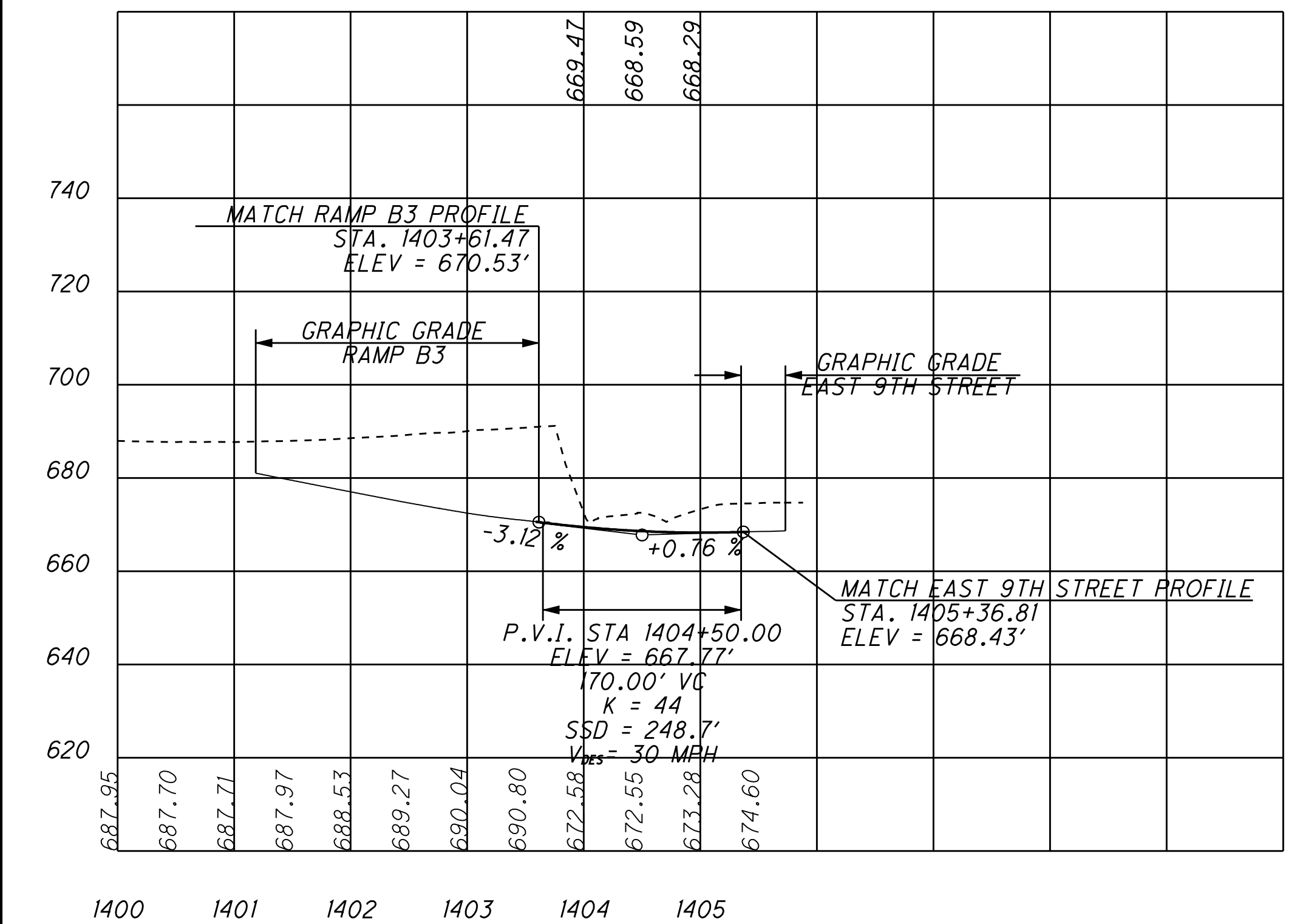
RAMP A1



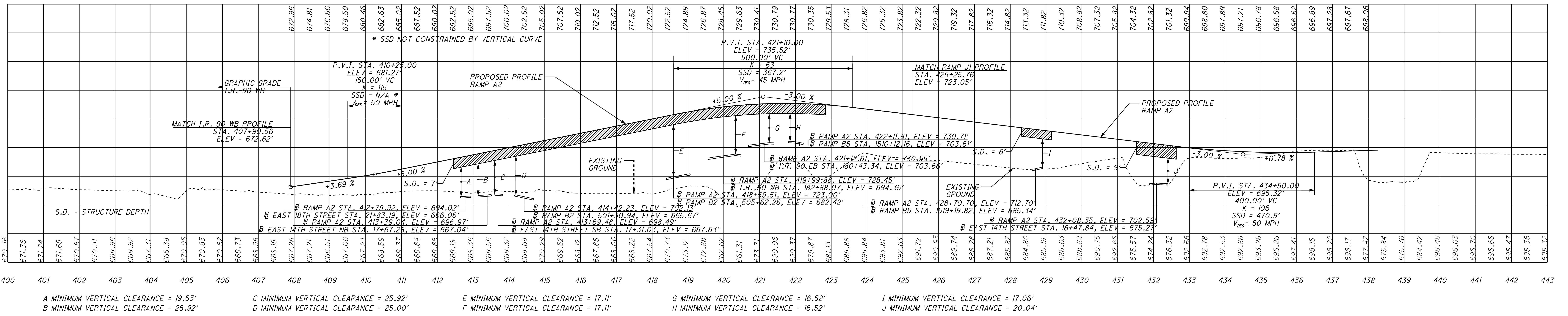
RAMP A3



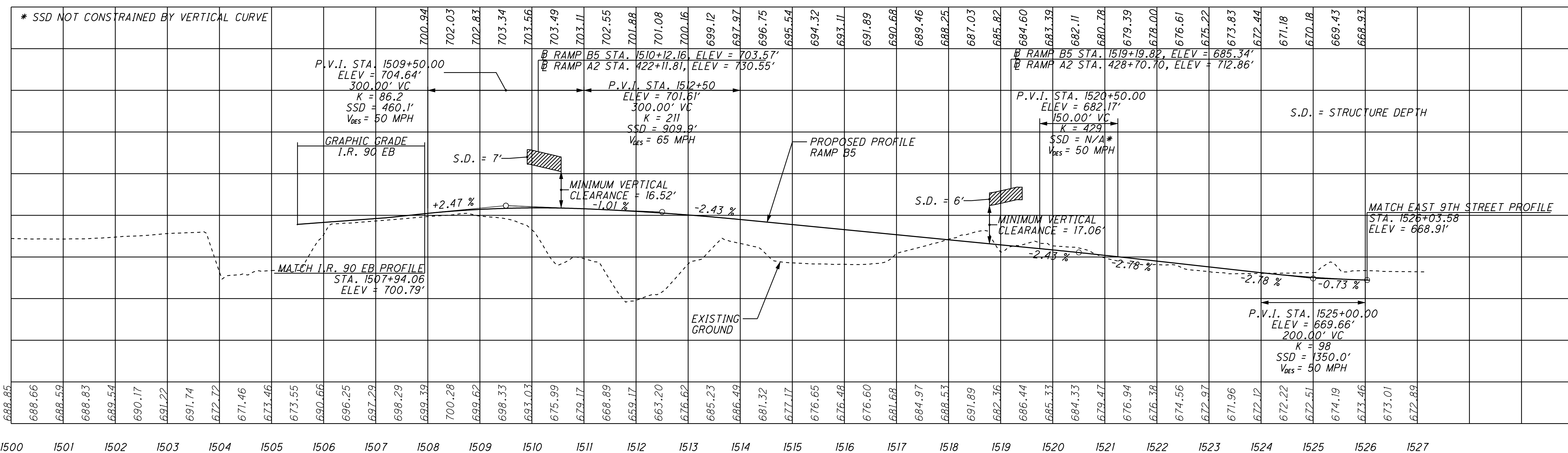
RAMP B4



RAMP A2



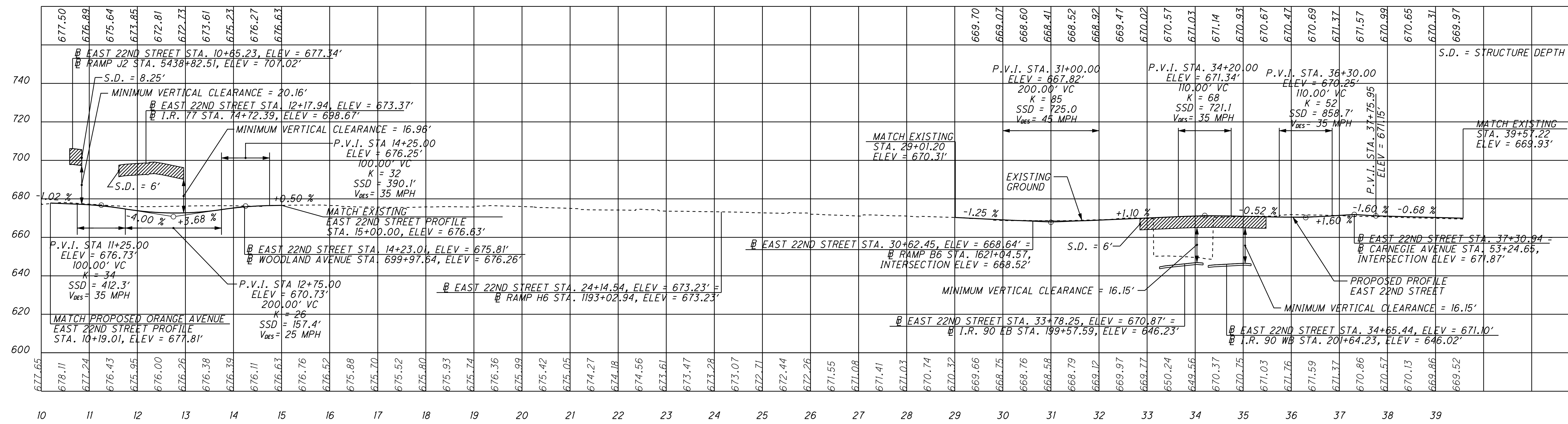
RAMP B5



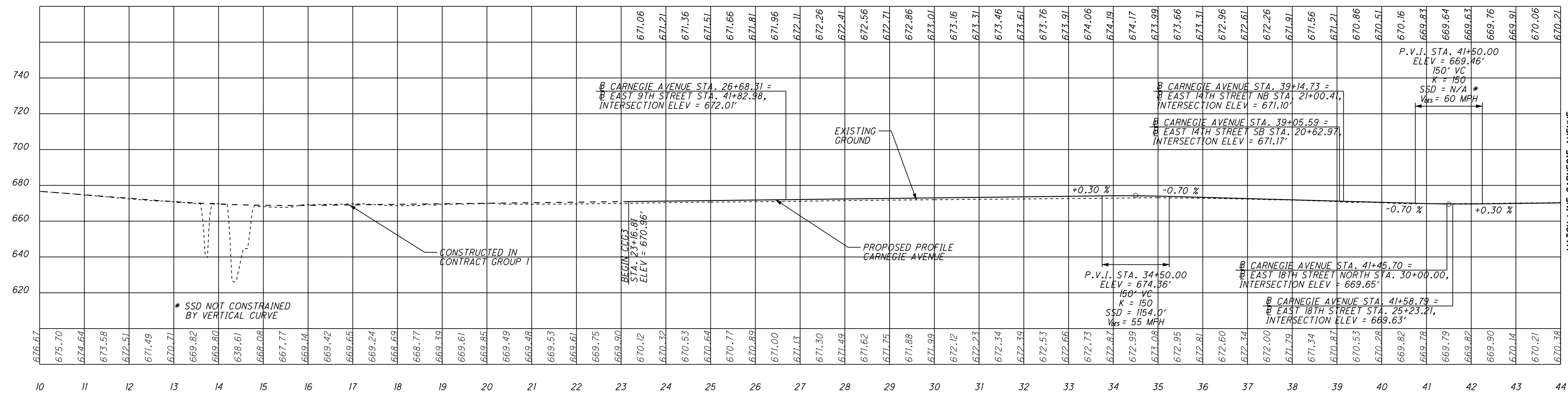
**CONSTRUCTION CONTRACT
GROUP 3 PROFILES -
SHEET 5**

**DECEMBER 23, 2009
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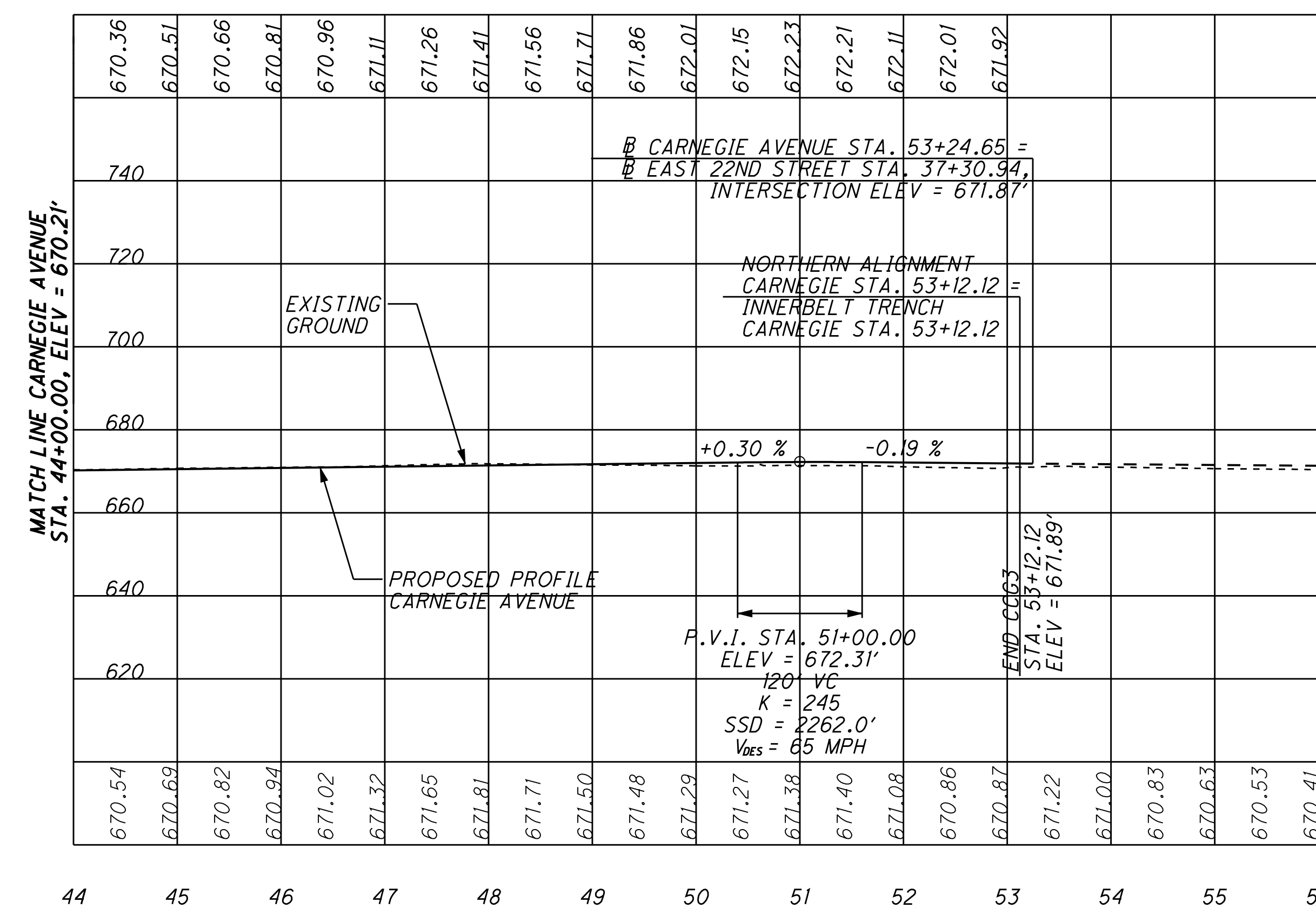
EAST 22ND STREET



CARNEGIE AVENUE



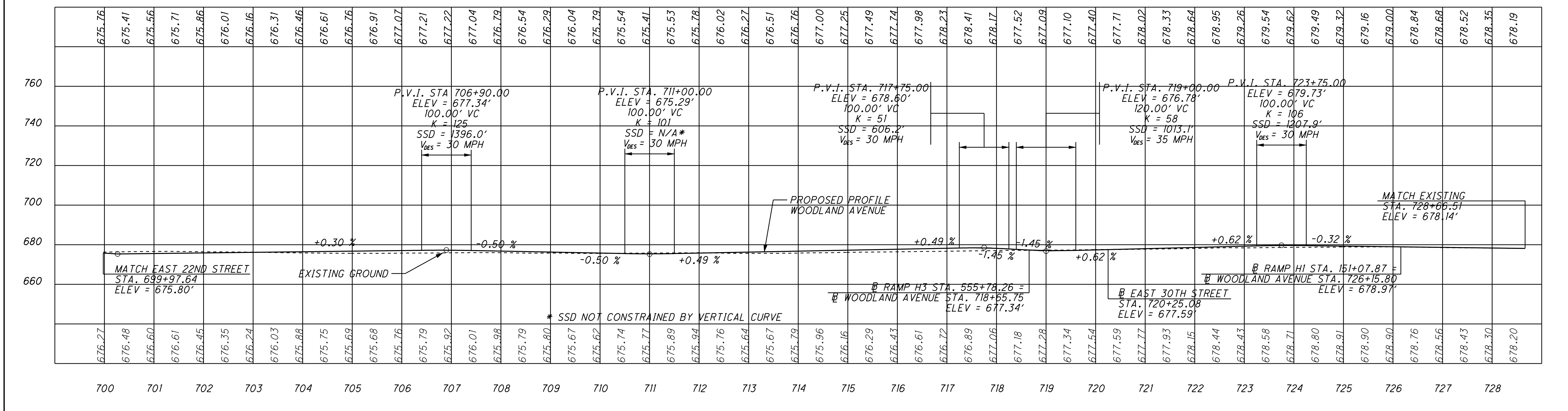
CARNEGIE AVENUE



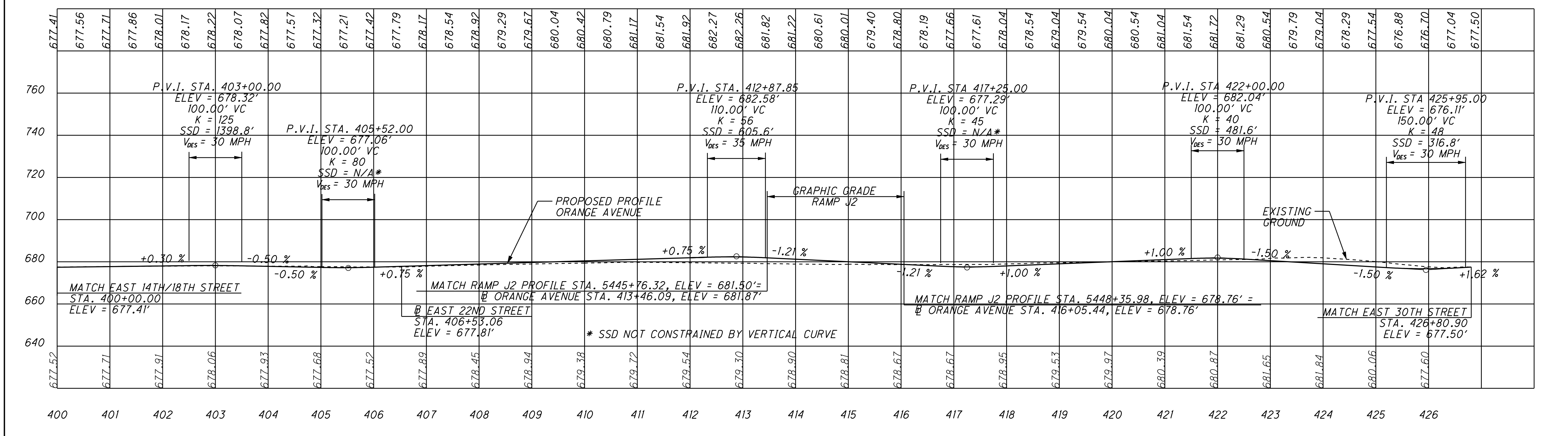
CONSTRUCTION CONTRACT GROUP 3 PROFILES - SHEET 6

DECEMBER 23, 2009
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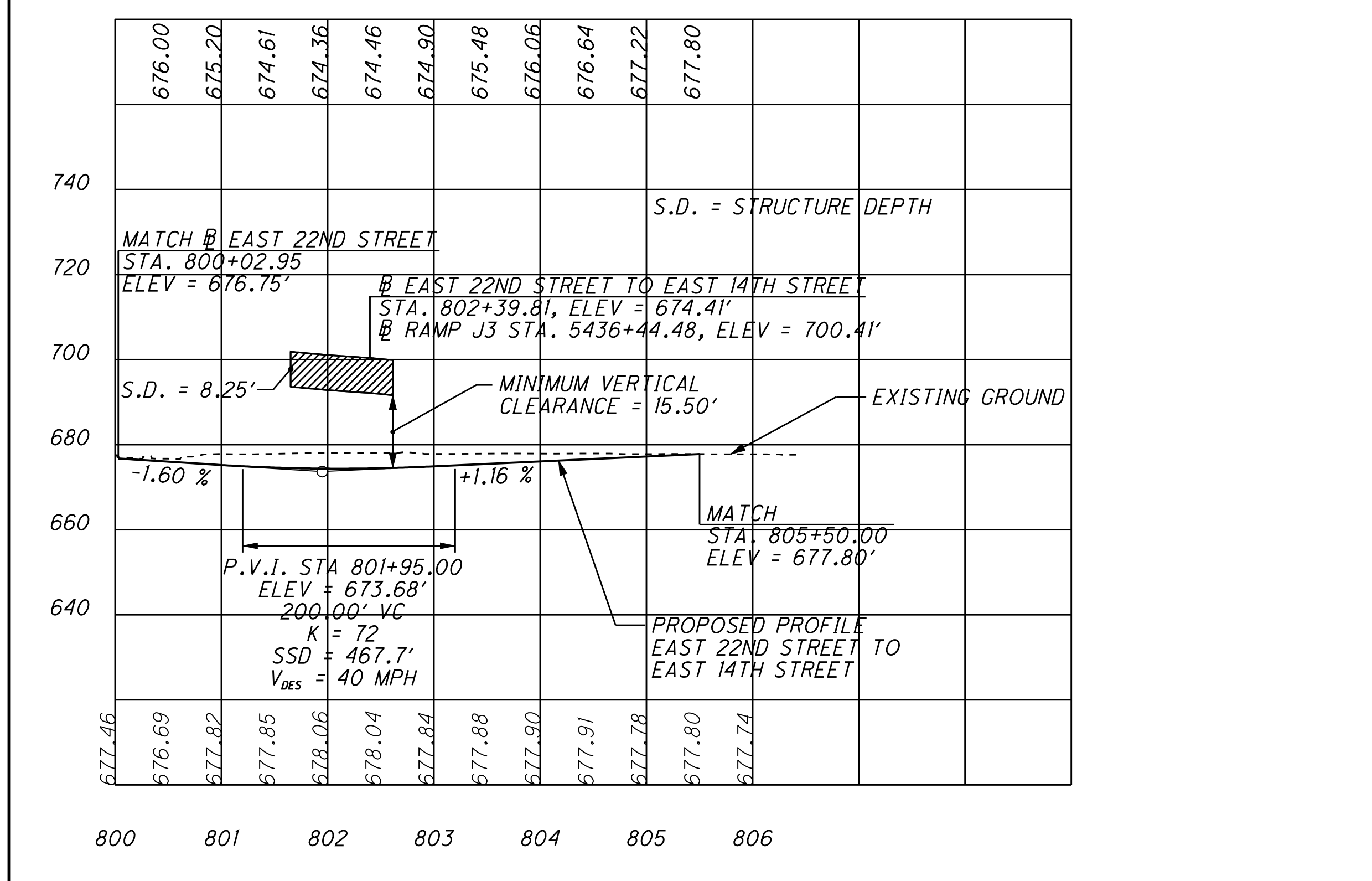
WOODLAND AVENUE



ORANGE AVENUE



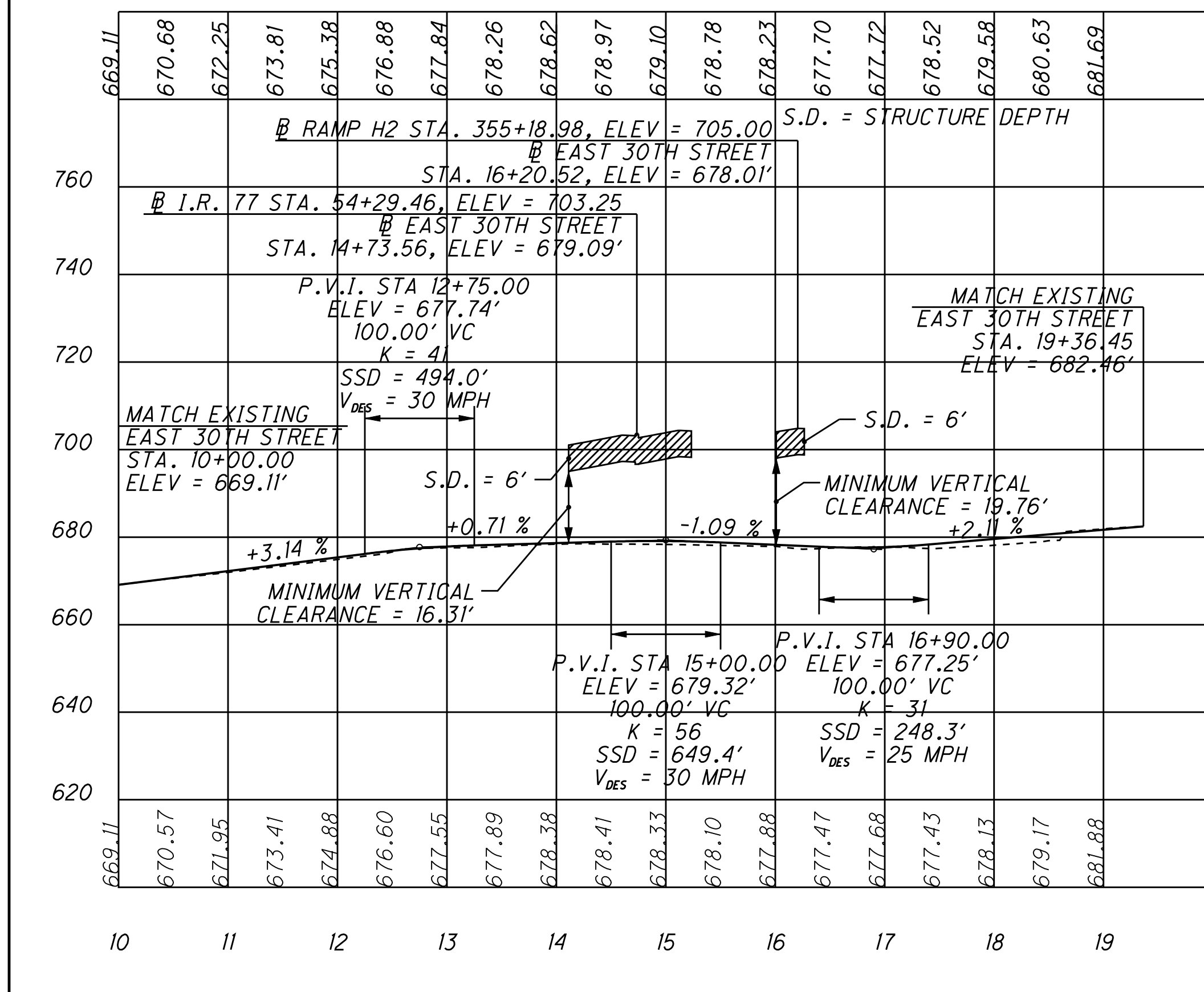
EAST 22ND STREET TO EAST 14TH STREET



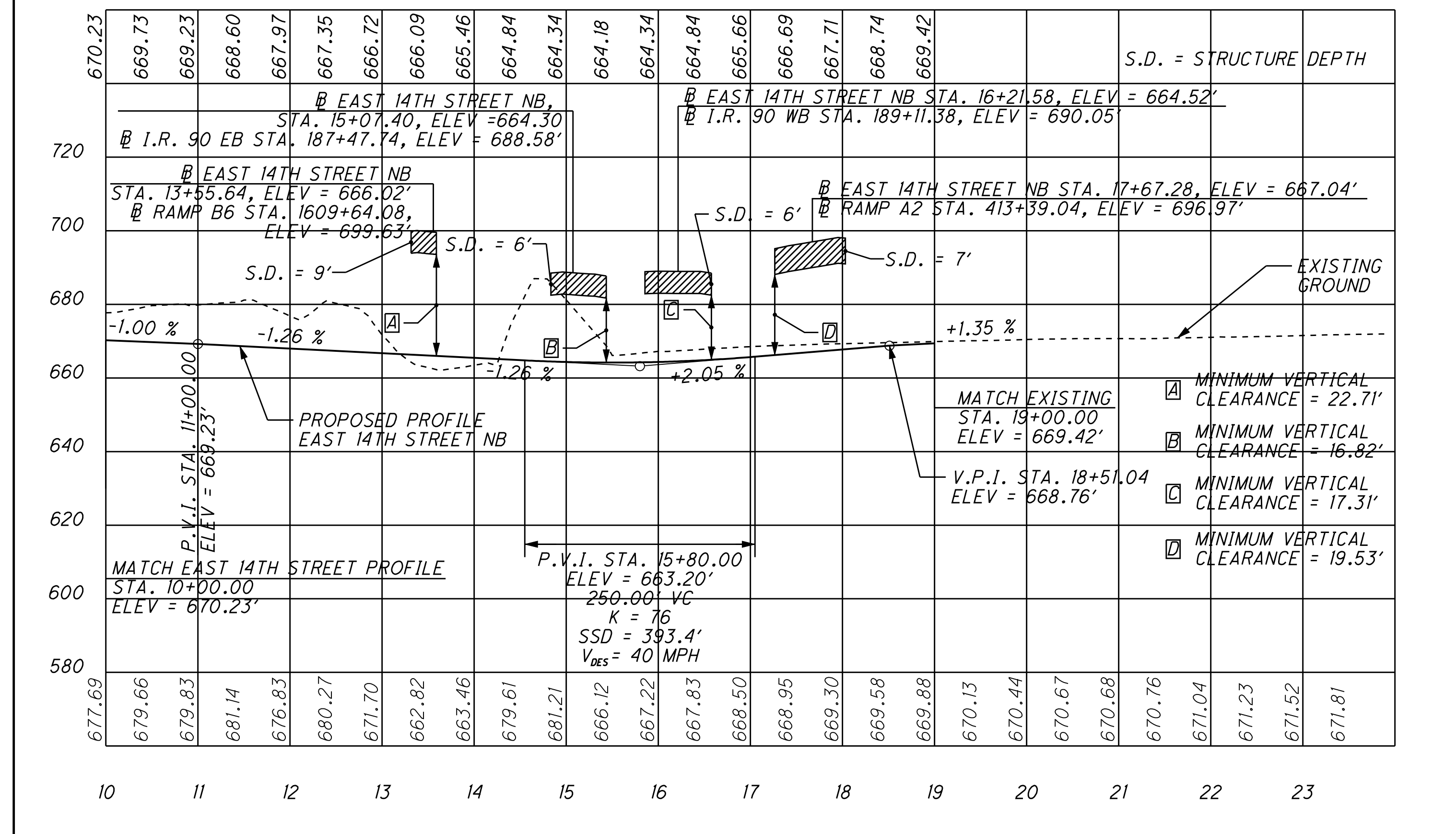
**CONSTRUCTION CONTRACT
GROUP 3 PROFILES -
SHEET 7**

DECEMBER 23, 2009
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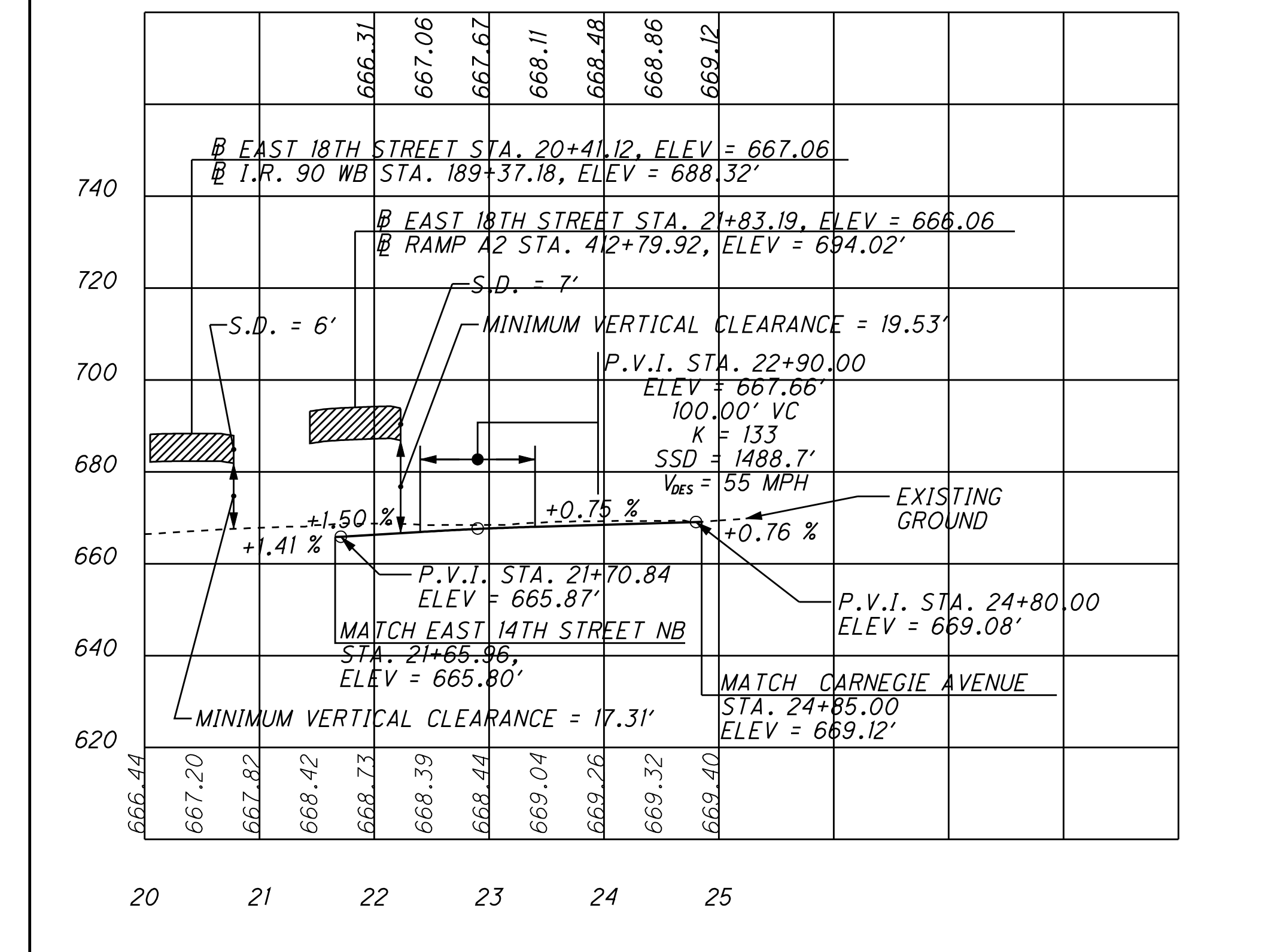
EAST 30TH STREET



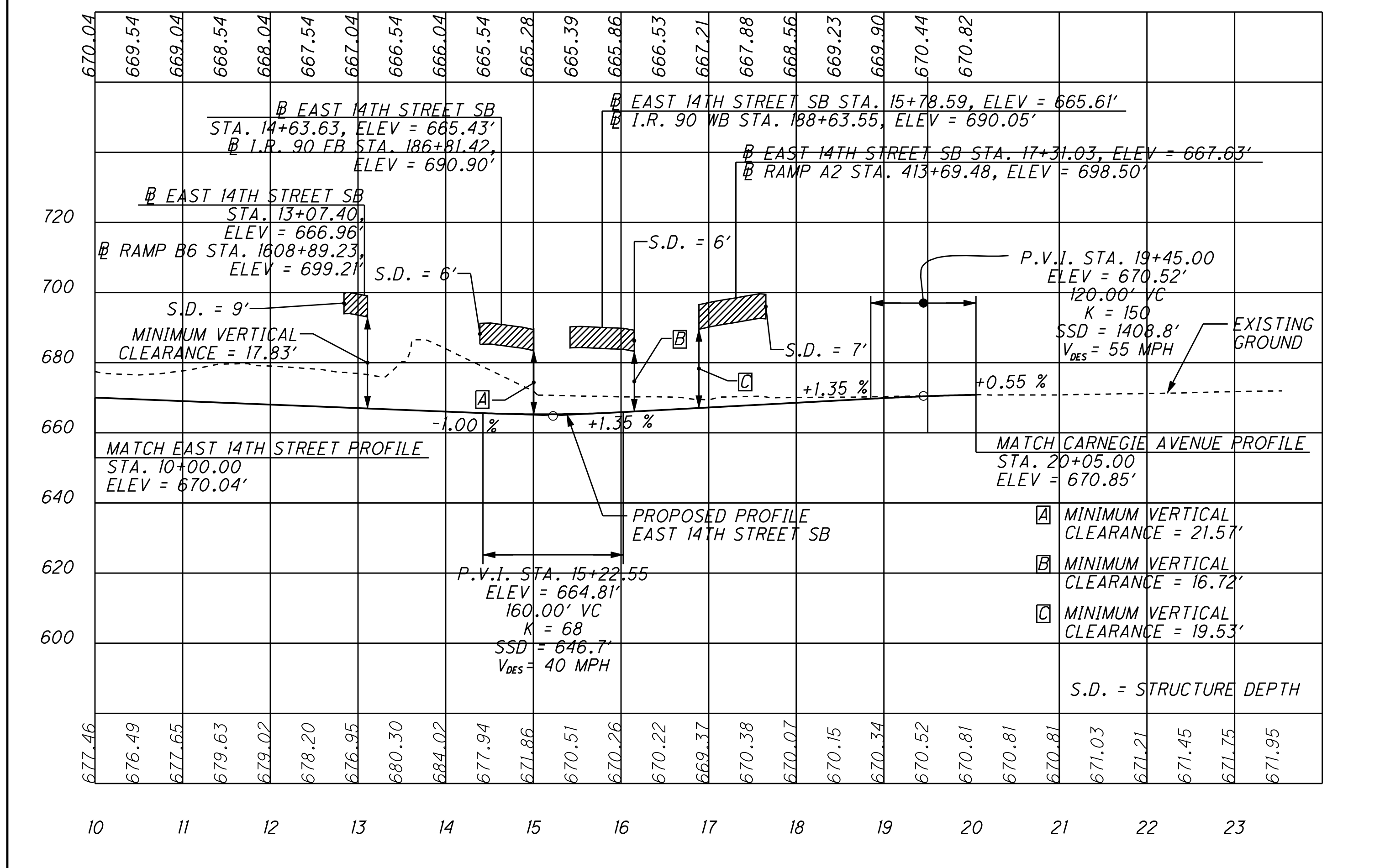
EAST 14TH STREET NB



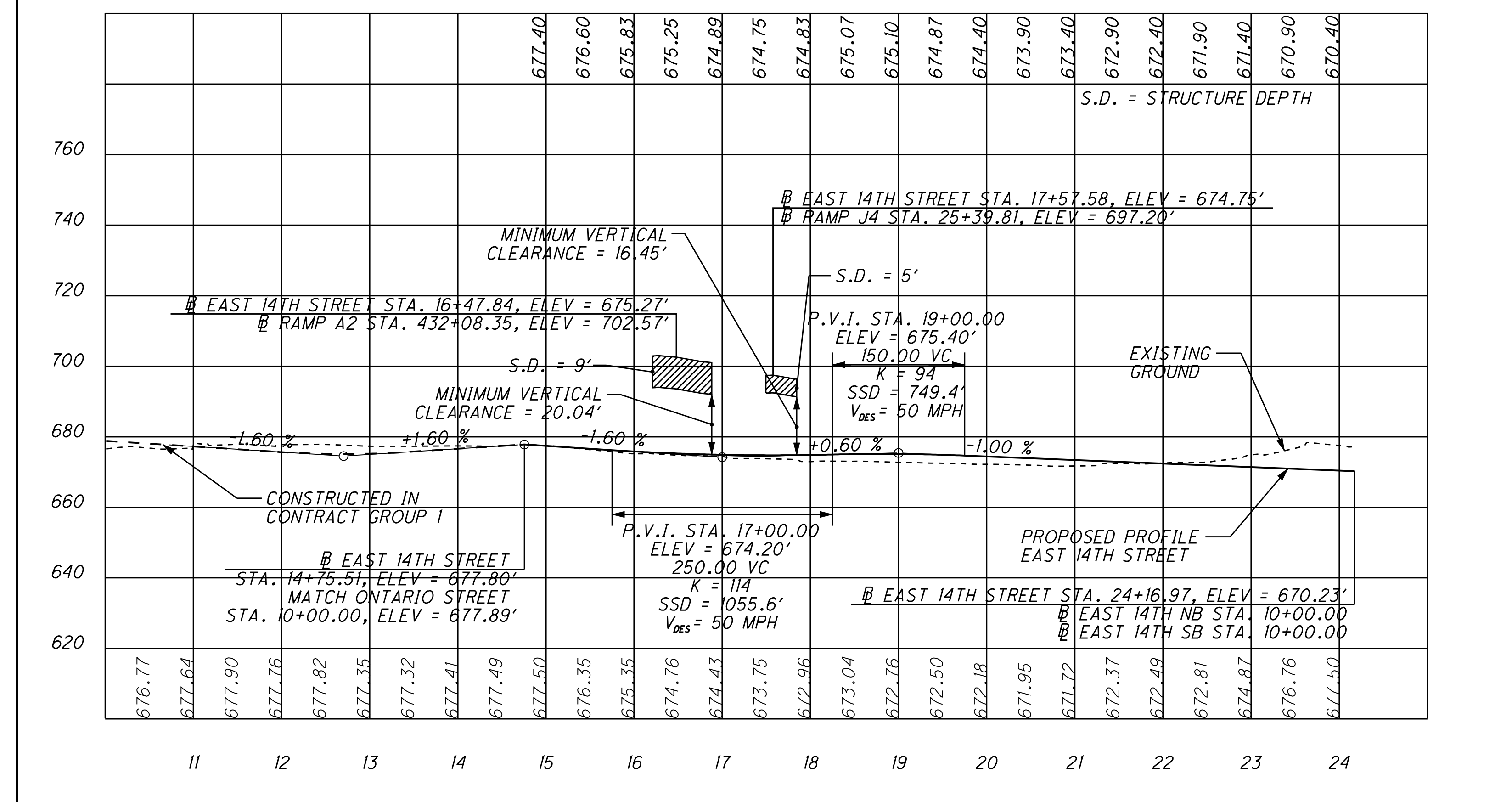
EAST 18TH STREET



EAST 14TH STREET SB



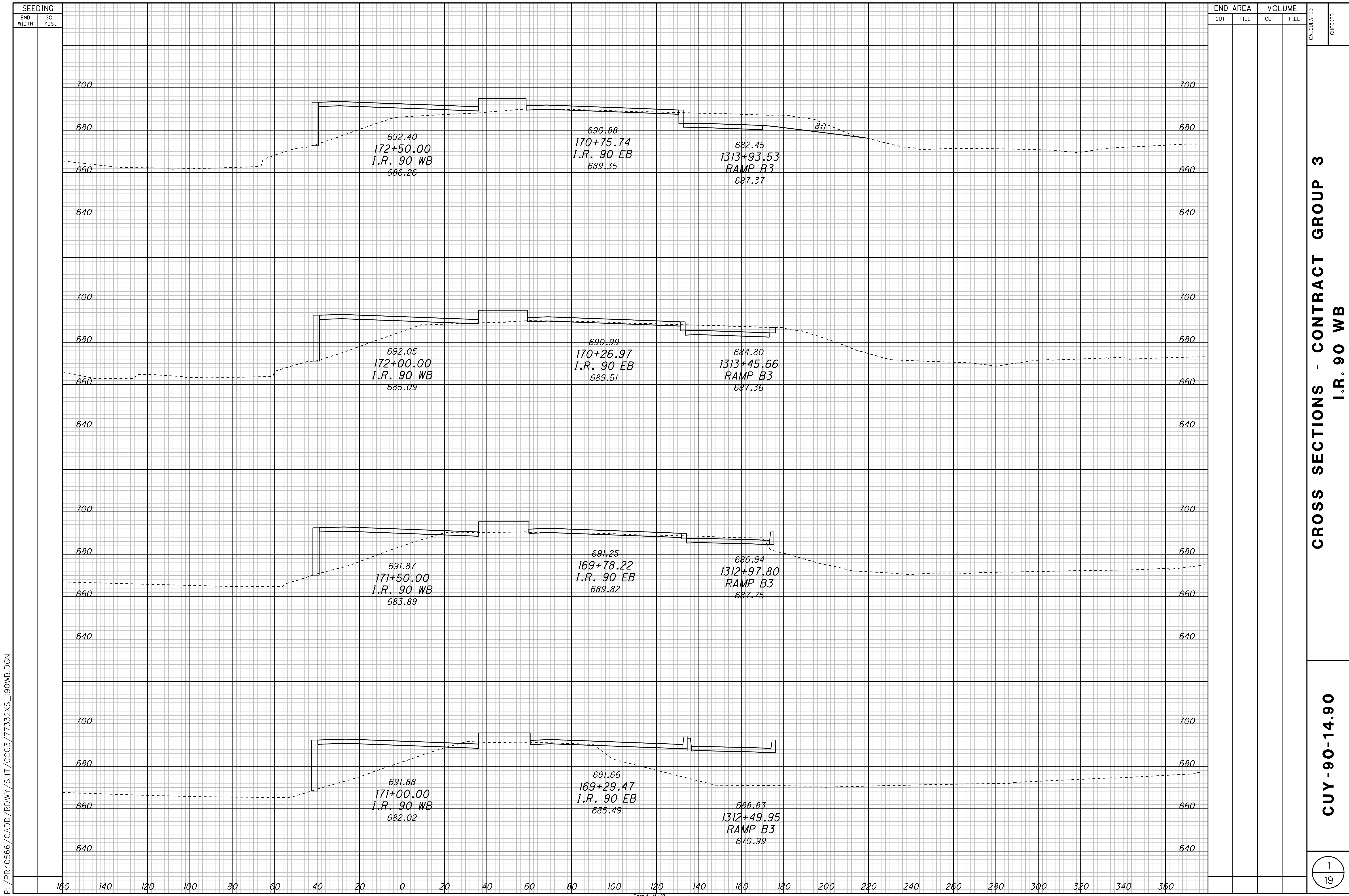
EAST 14TH STREET



CLEVELAND INNERBELT PLAN
OHIO DEPARTMENT OF TRANSPORTATION

CONSTRUCTION CONTRACT GROUP 3 PROFILES - SHEET 9

DECEMBER 23, 2009
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P:\PR40566\CADD\RDWY\SHT\CCG3\77332XS_190WB.DGN

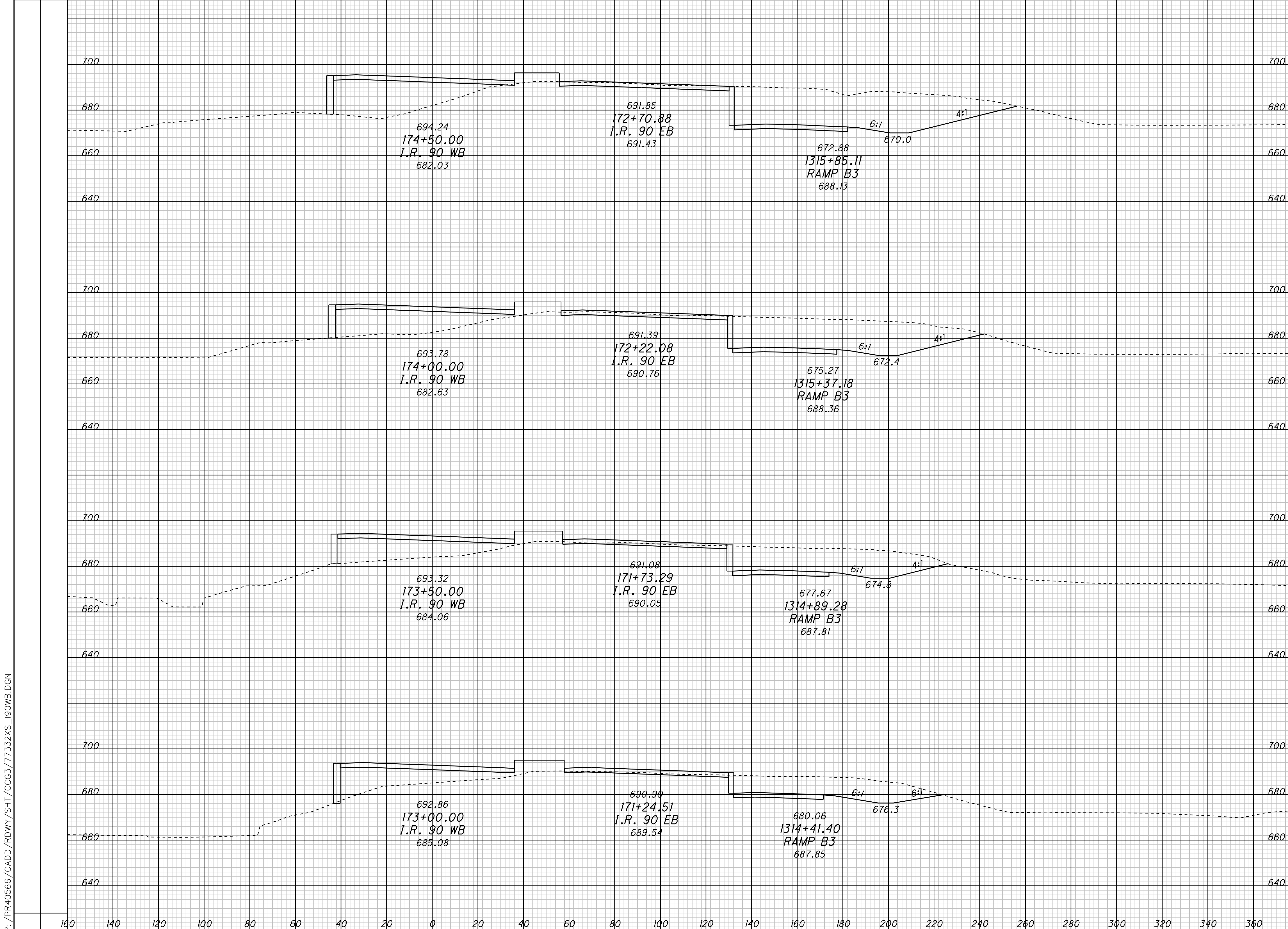
SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB**

CUY-90-14.90

SEEDING
END WIDTH SO. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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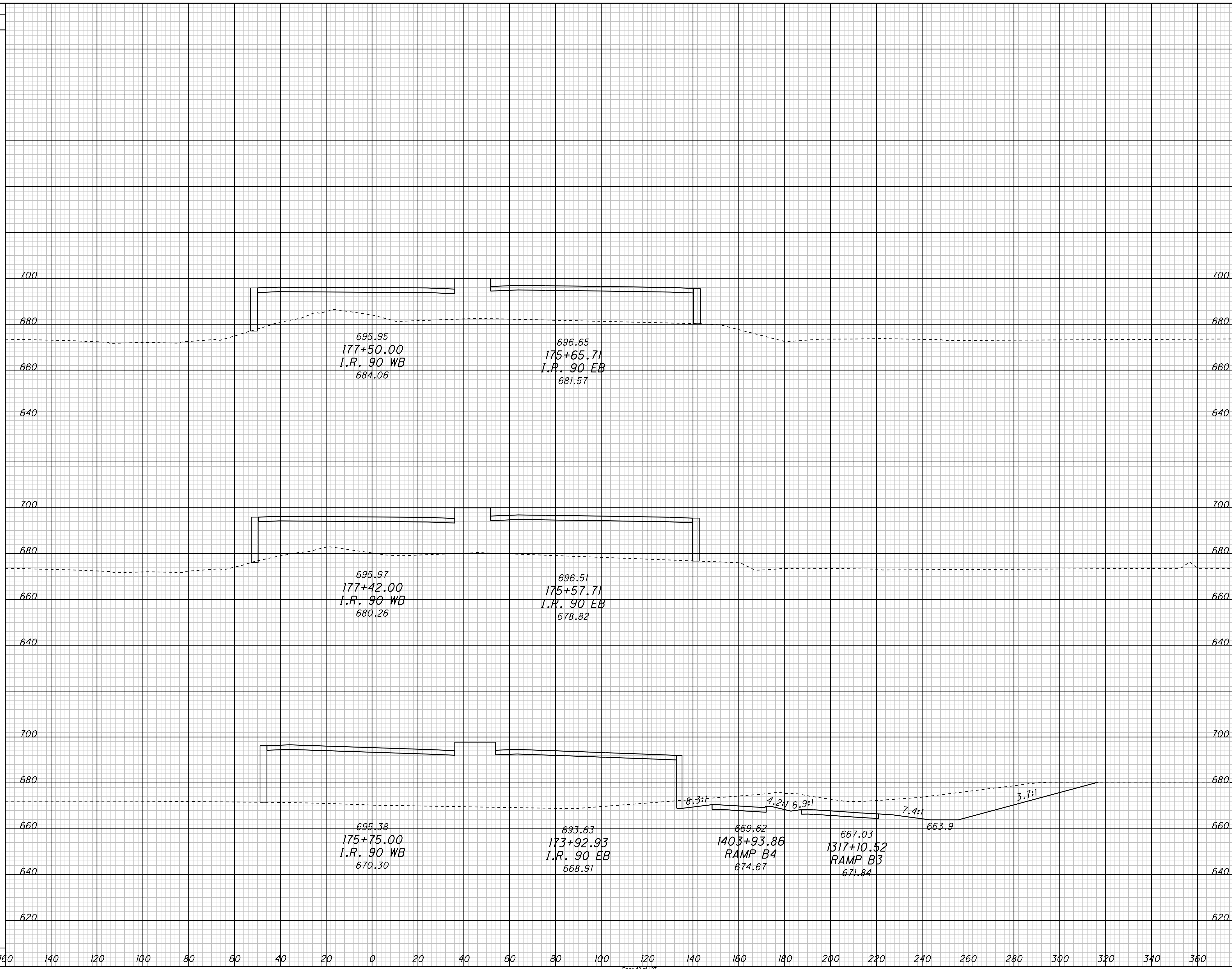
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY-90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

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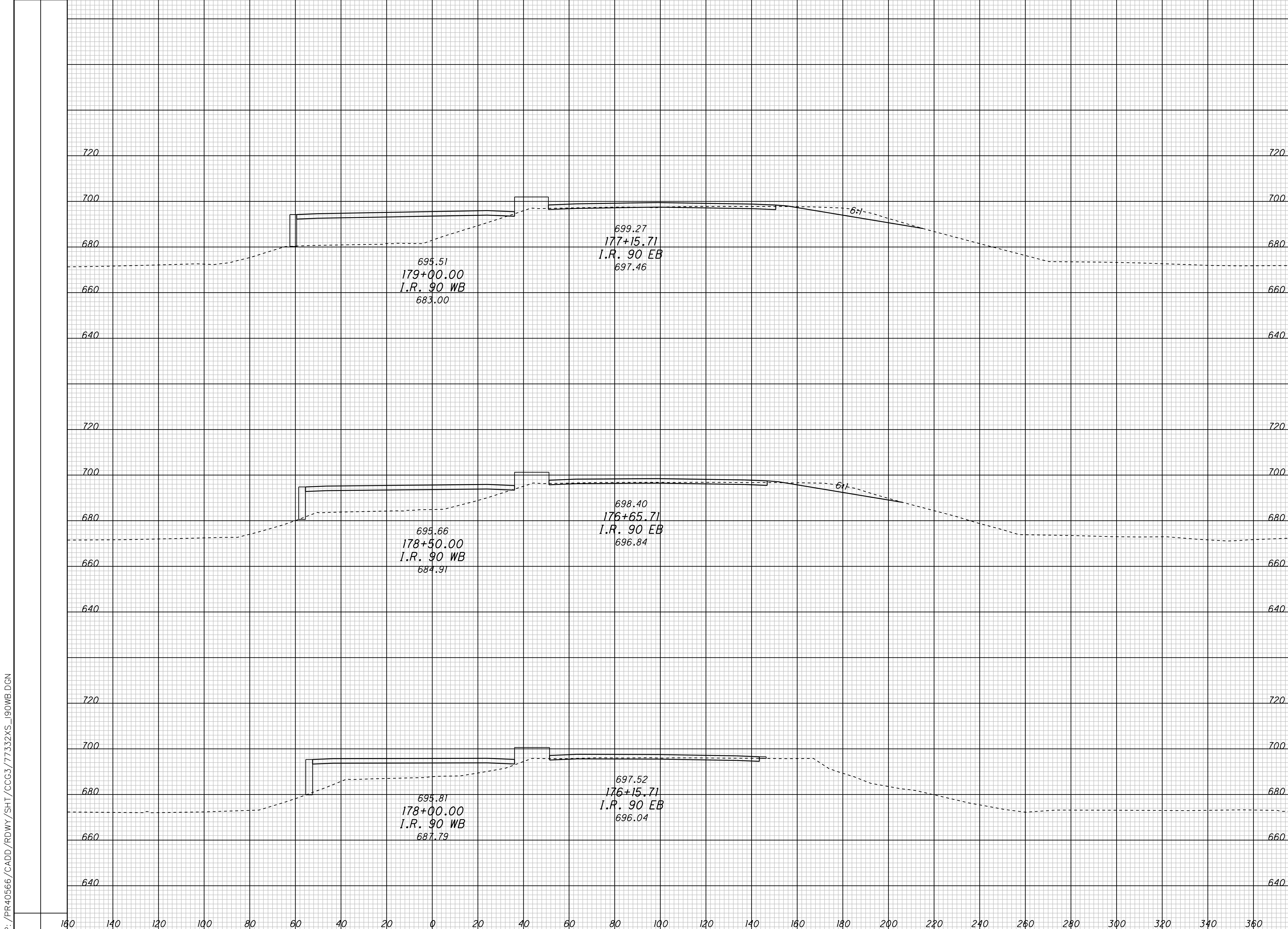
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY -90 -14.90

3
19

SEEDING
END WIDTH SQ. YDS.

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CUT	FILL	CUT	FILL		

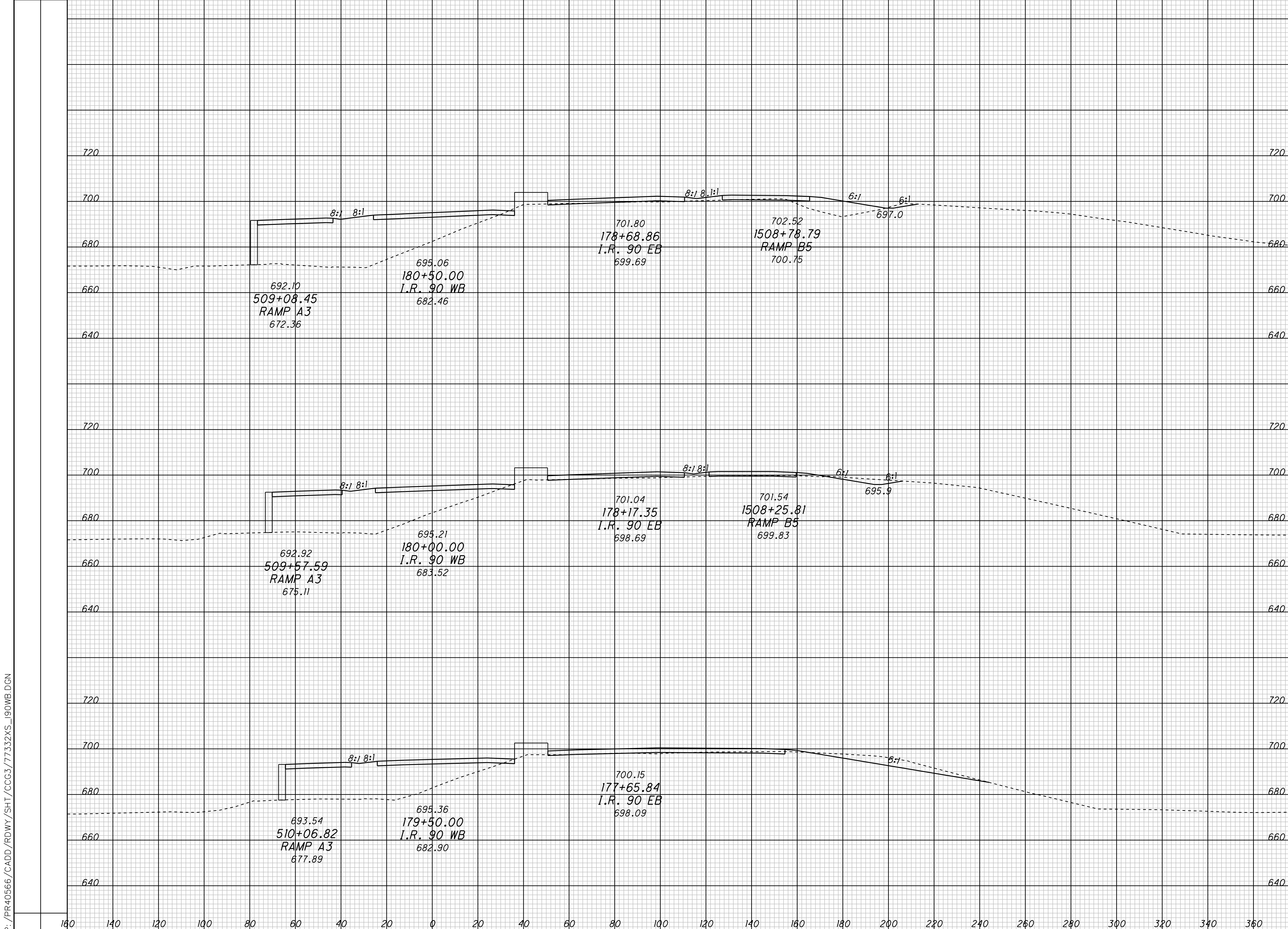


**CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB**

CUY -90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



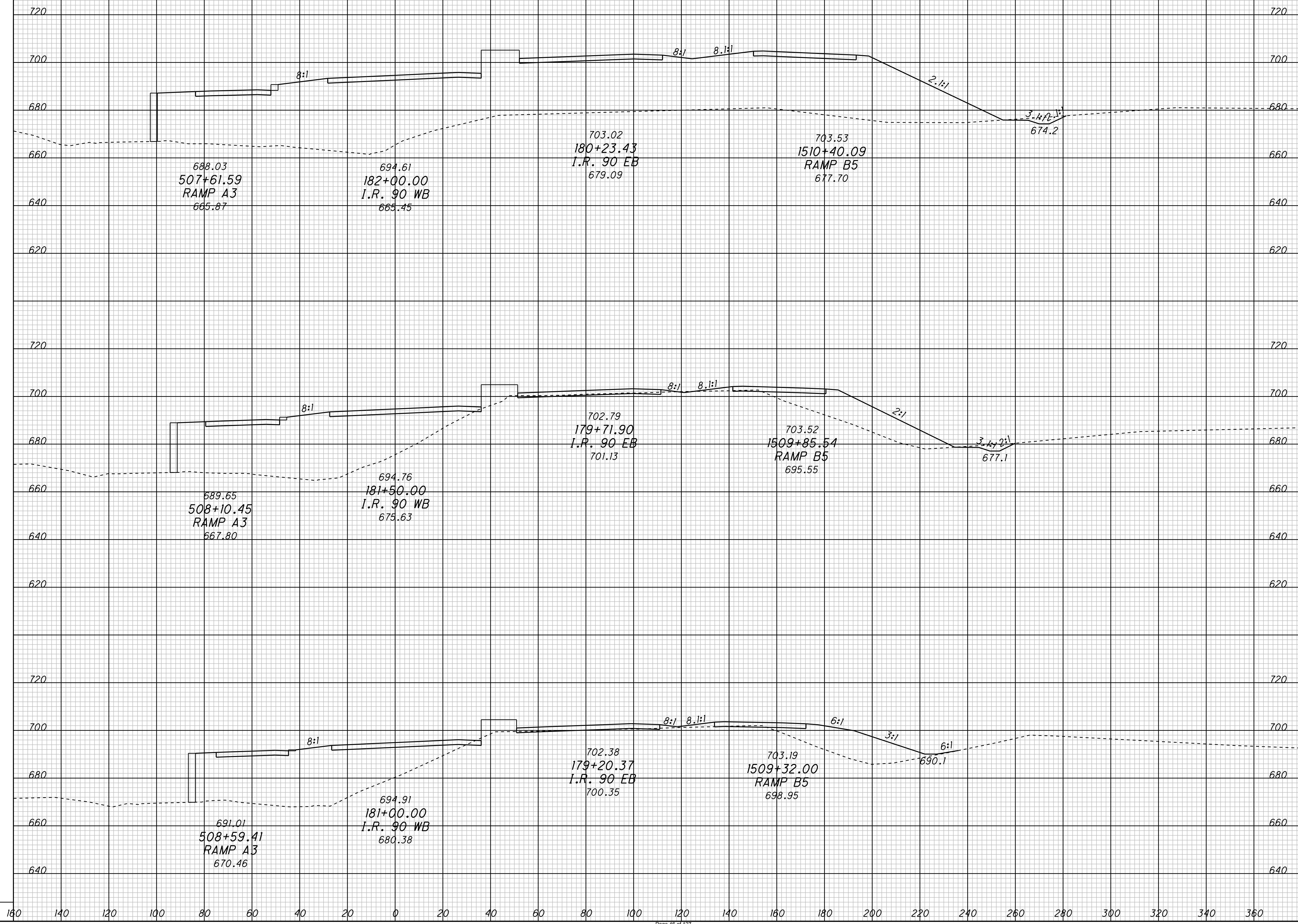
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY -90-14.90

5
19

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



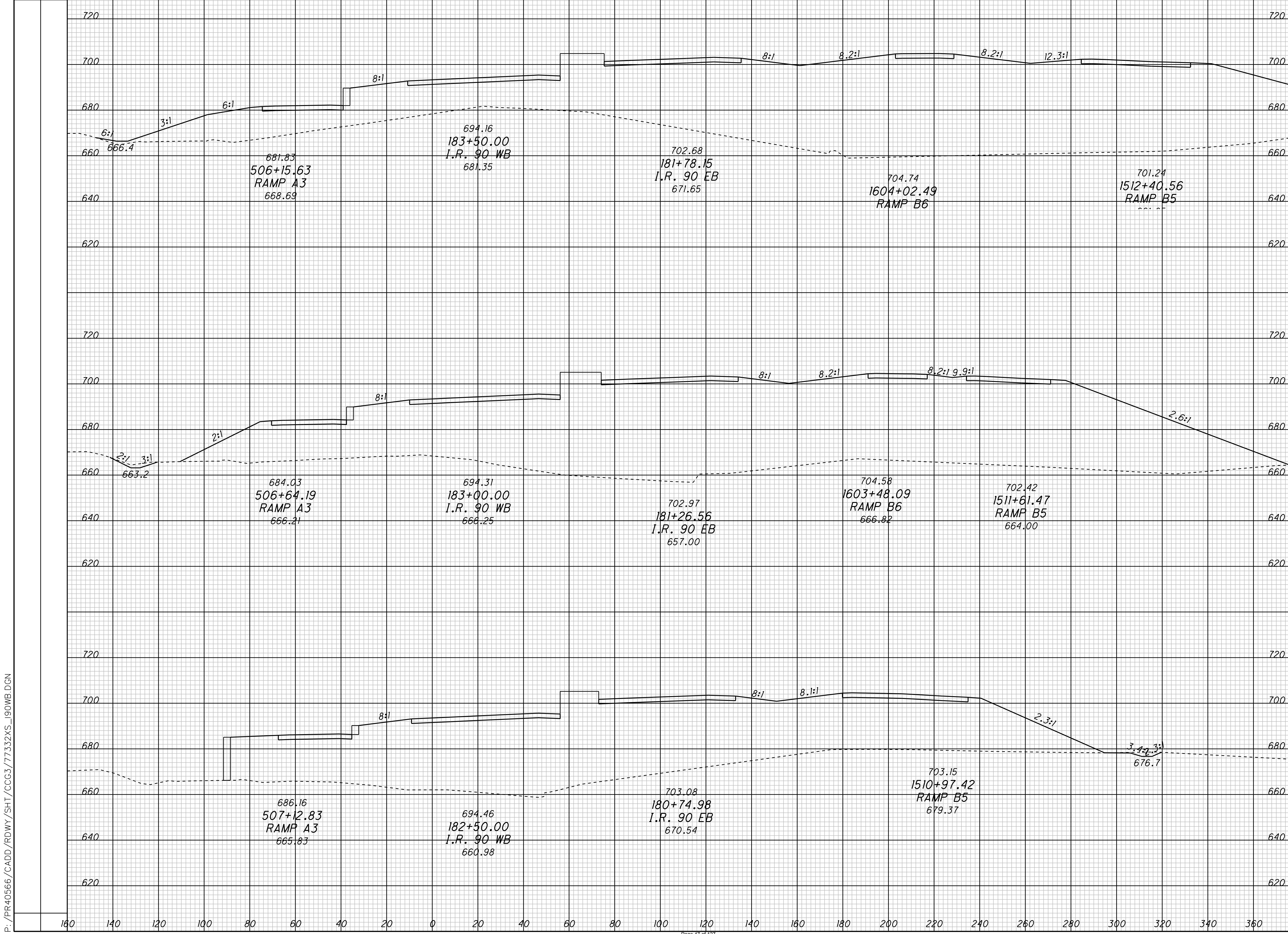
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY -90 -14.90

6
19

SEEDING
END WIDTH SQ. YDS.

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CUT FILL CUT FILL
CALCULATED CHECKED



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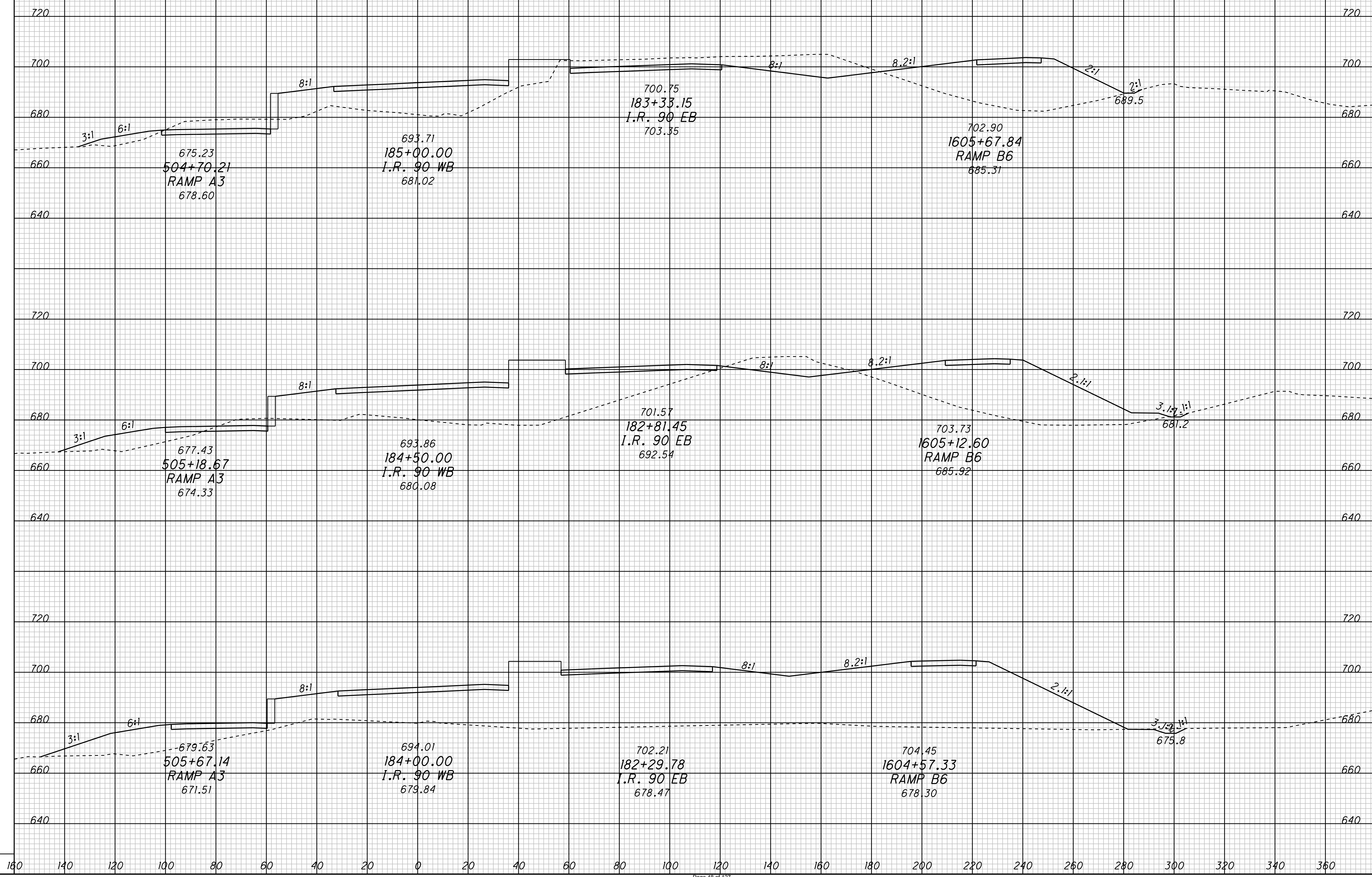
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I.R. 90 WB

CUY-90-14.90

7
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CUT FILL CUT FILL
CALCULATED CHECKED



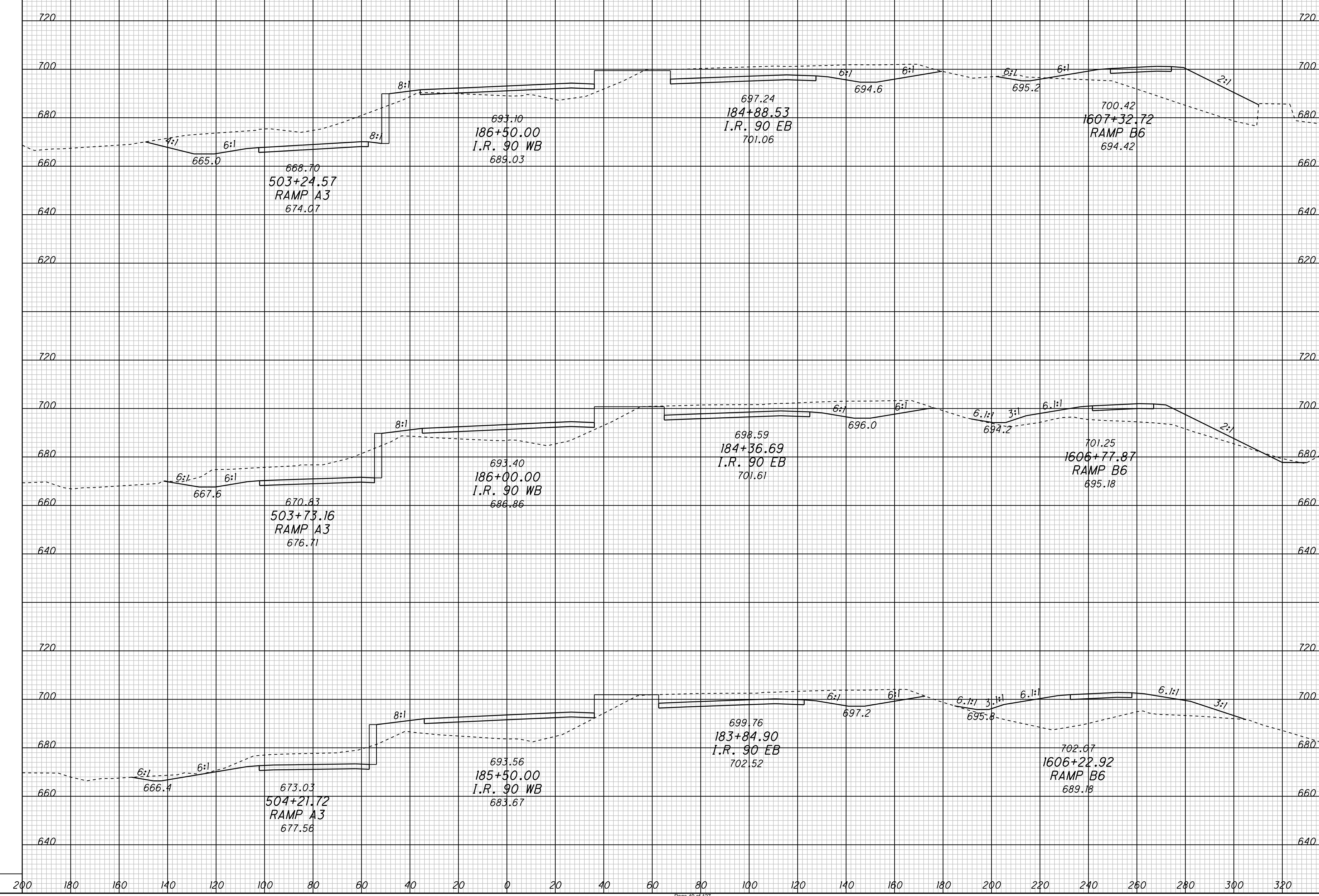
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I.R. 90 WB

CUY -90-14.90

8
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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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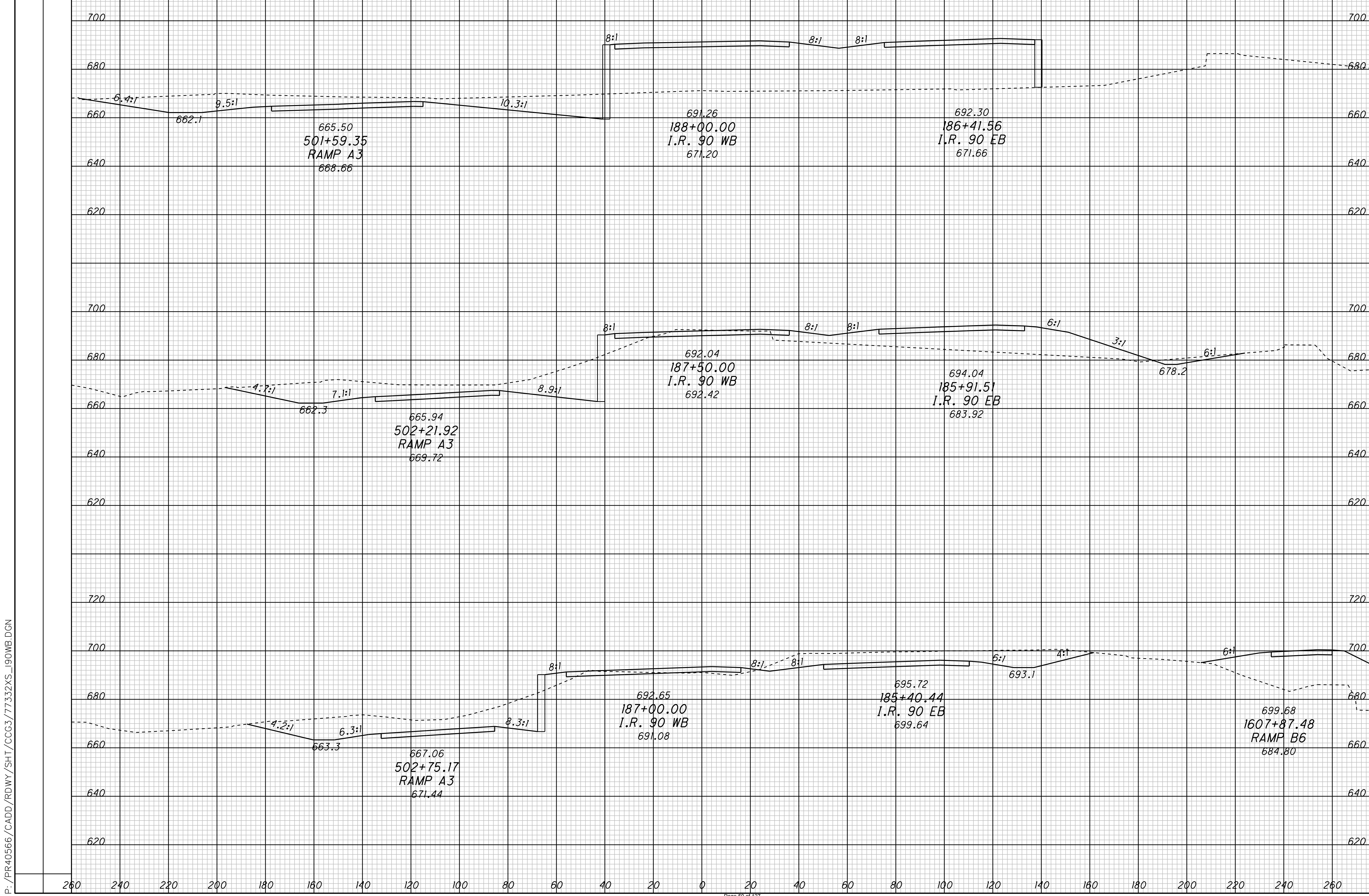
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I.R. 90 WB

CUY-90-14.90

9
19

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

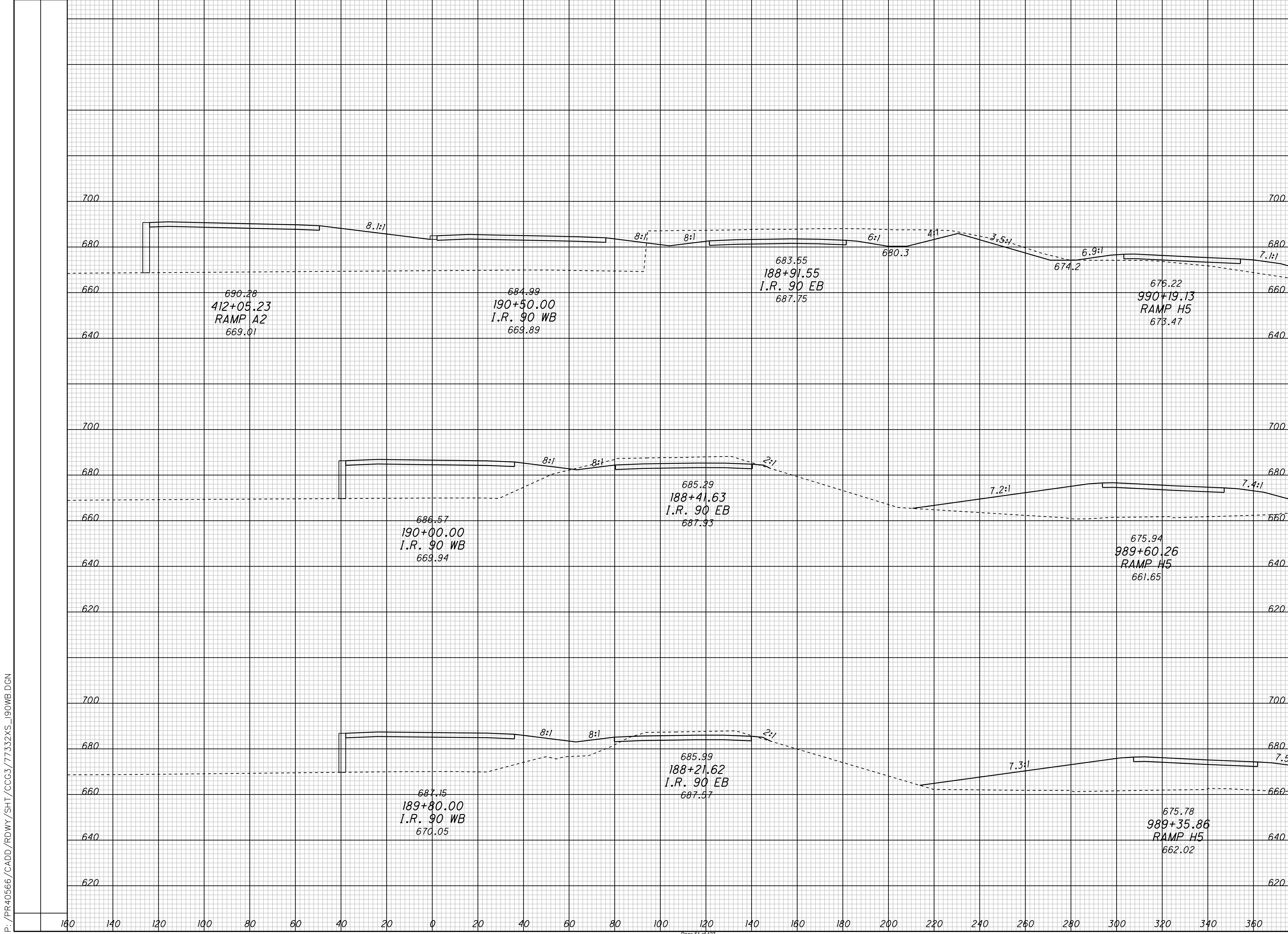
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19

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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

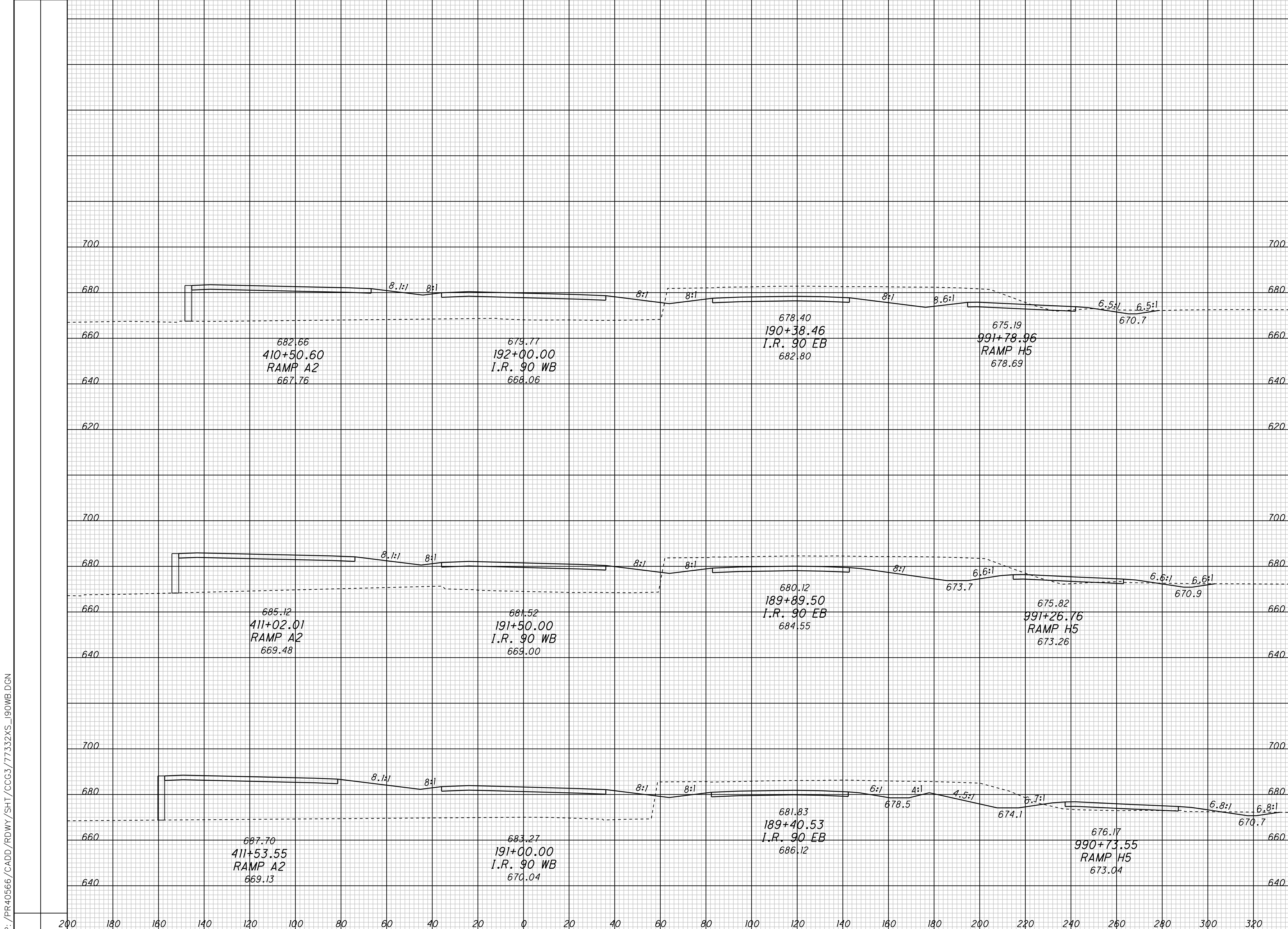
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CUT FILL CUT FILL
CALCULATED CHECKED



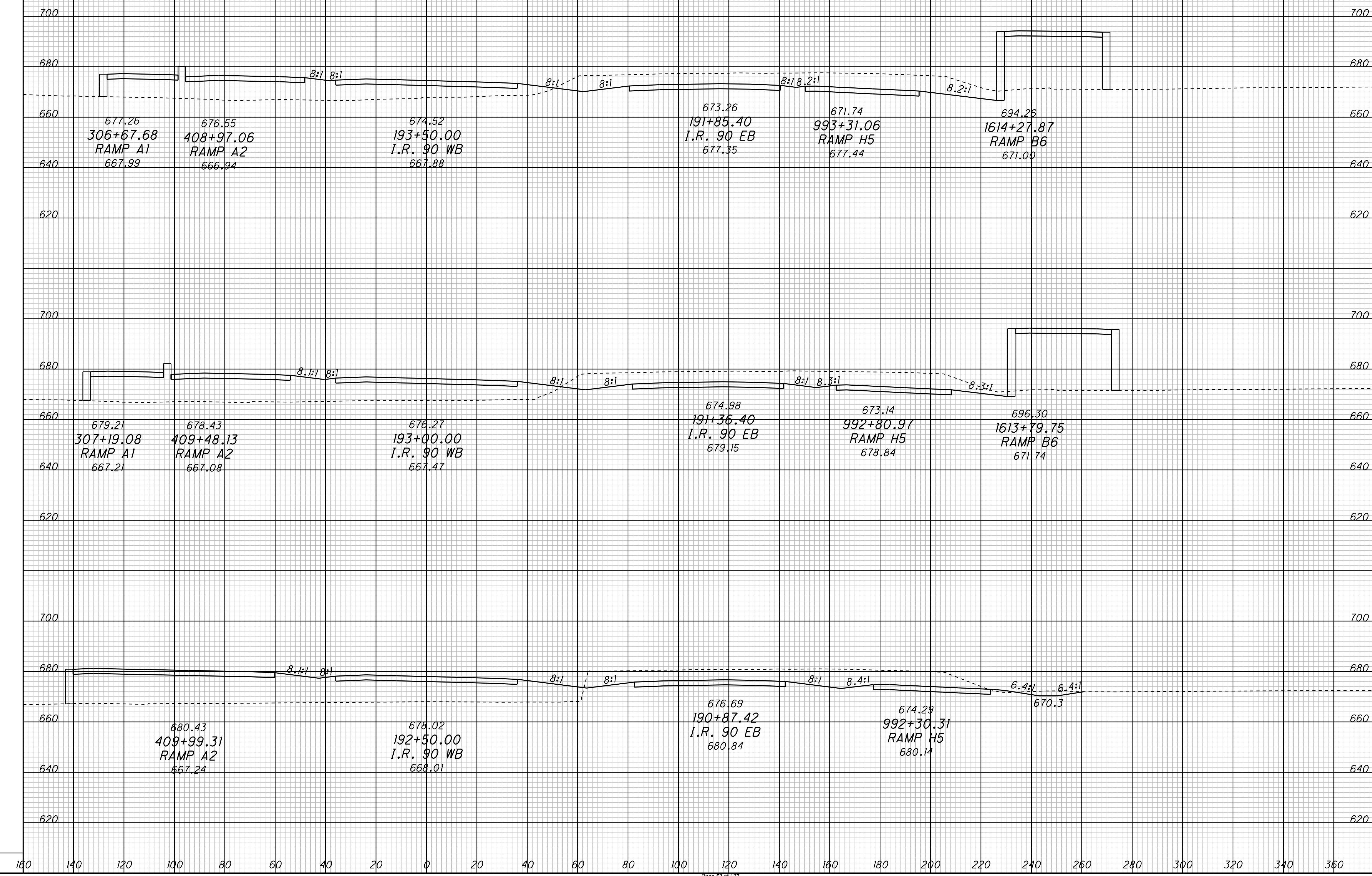
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY-90-14.90

12
19

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



677.26
306+67.68
RAMP A1
667.99

676.55
408+97.06
RAMP A2
666.94

674.52
193+50.00
I.R. 90 WB
667.88

673.26
191+85.40
I.R. 90 EB
677.35

671.74
993+31.06
RAMP H5
677.44

694.26
1614+27.87
RAMP B6
671.00

679.21
307+19.08
RAMP A1
667.21

678.43
409+48.13
RAMP A2
667.08

676.27
193+00.00
I.R. 90 WB
667.47

674.98
191+36.40
I.R. 90 EB
679.15

673.14
992+80.97
RAMP H5
678.84

696.30
1613+79.75
RAMP B6
671.74

680.43
409+99.31
RAMP A2
667.24

678.02
192+50.00
I.R. 90 WB
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190+87.42
I.R. 90 EB
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674.29
992+30.31
RAMP H5
680.14

670.3

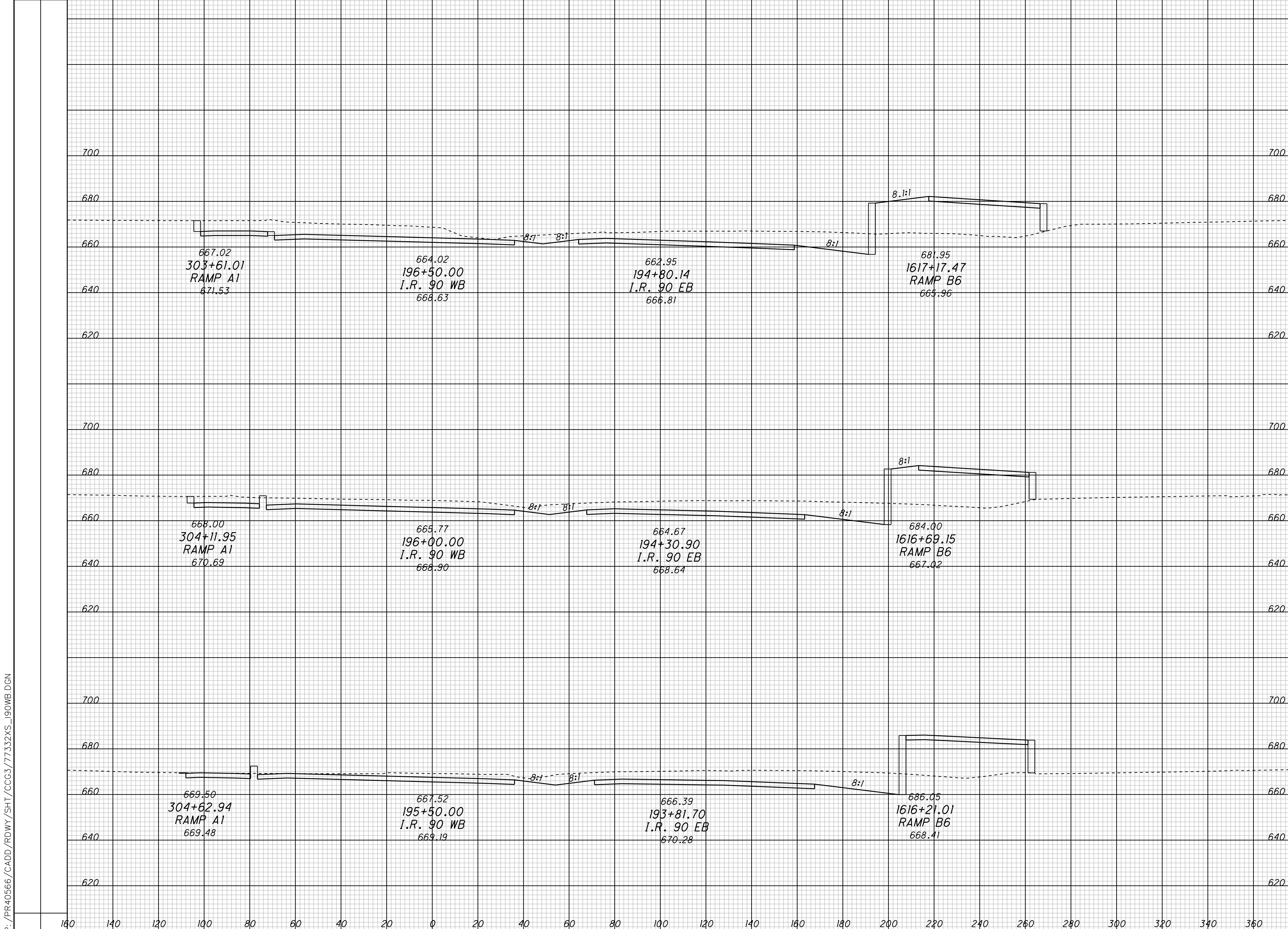
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CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY-90-14.90

SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



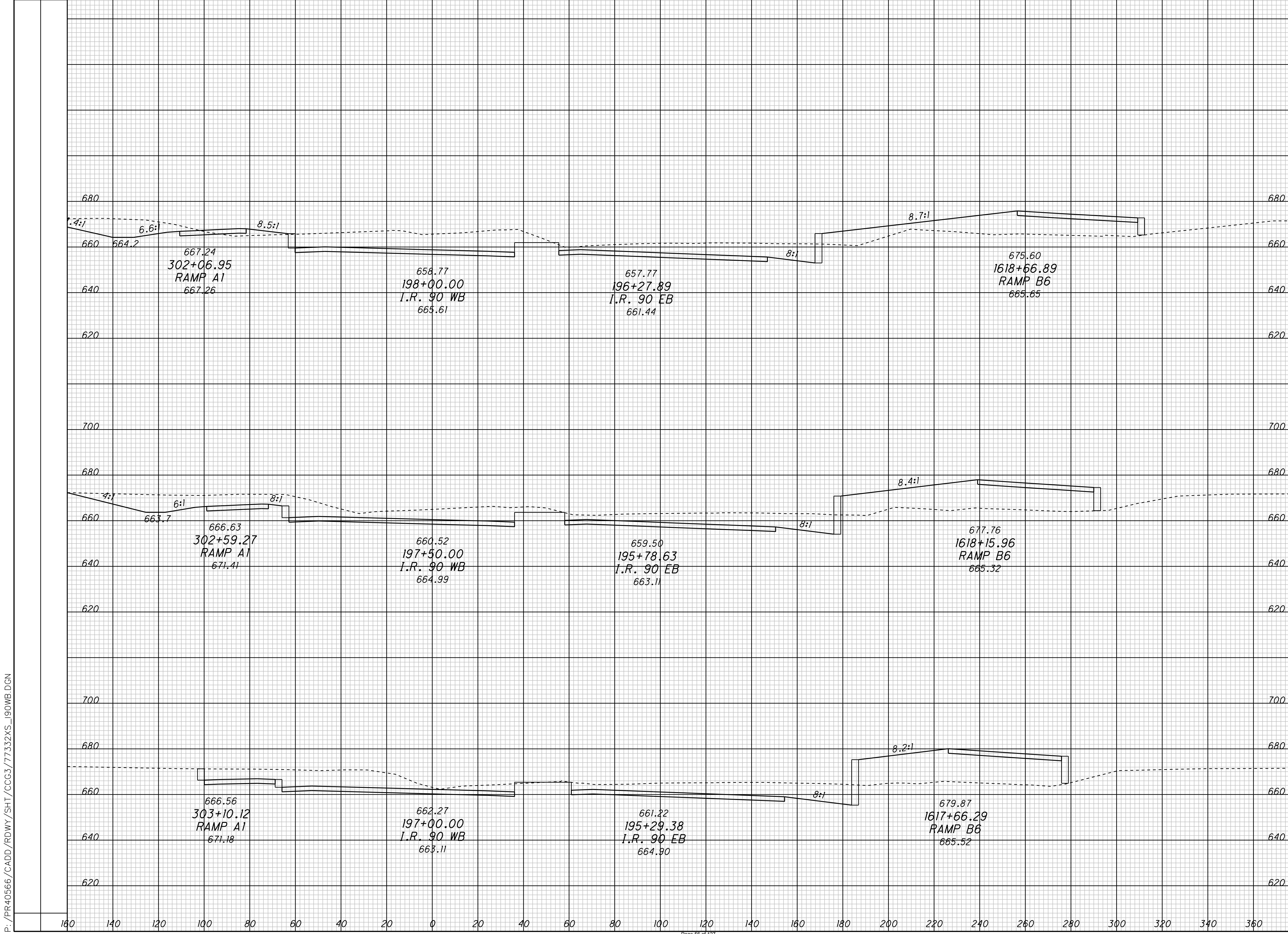
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY-90-14.90

15
19

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



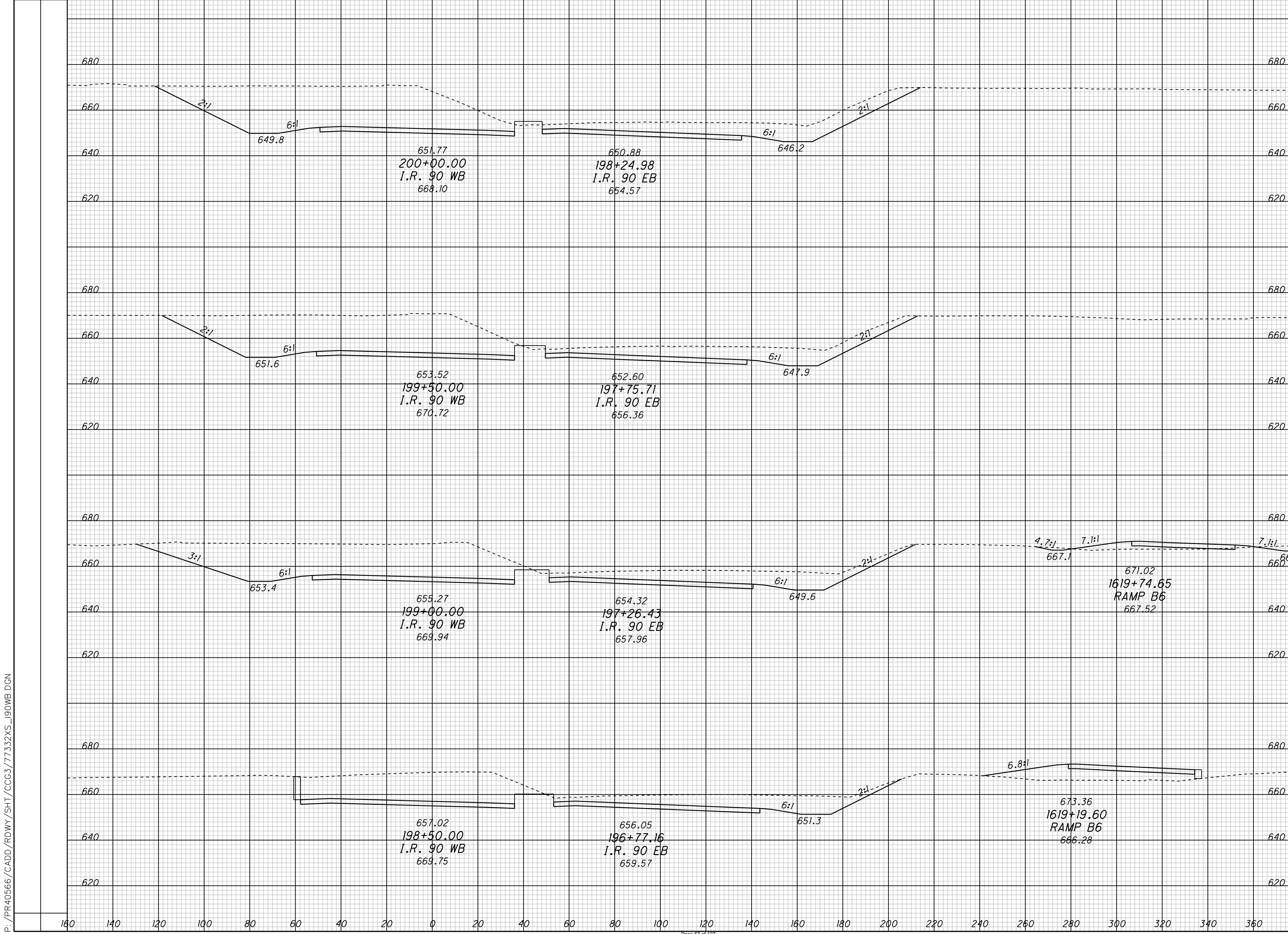
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY-90-14.90

16
19

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

CUY -90 -14.90

17
19

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

CROSS SECTIONS - CONTRACT GROUP 3
I.R. 90 WB

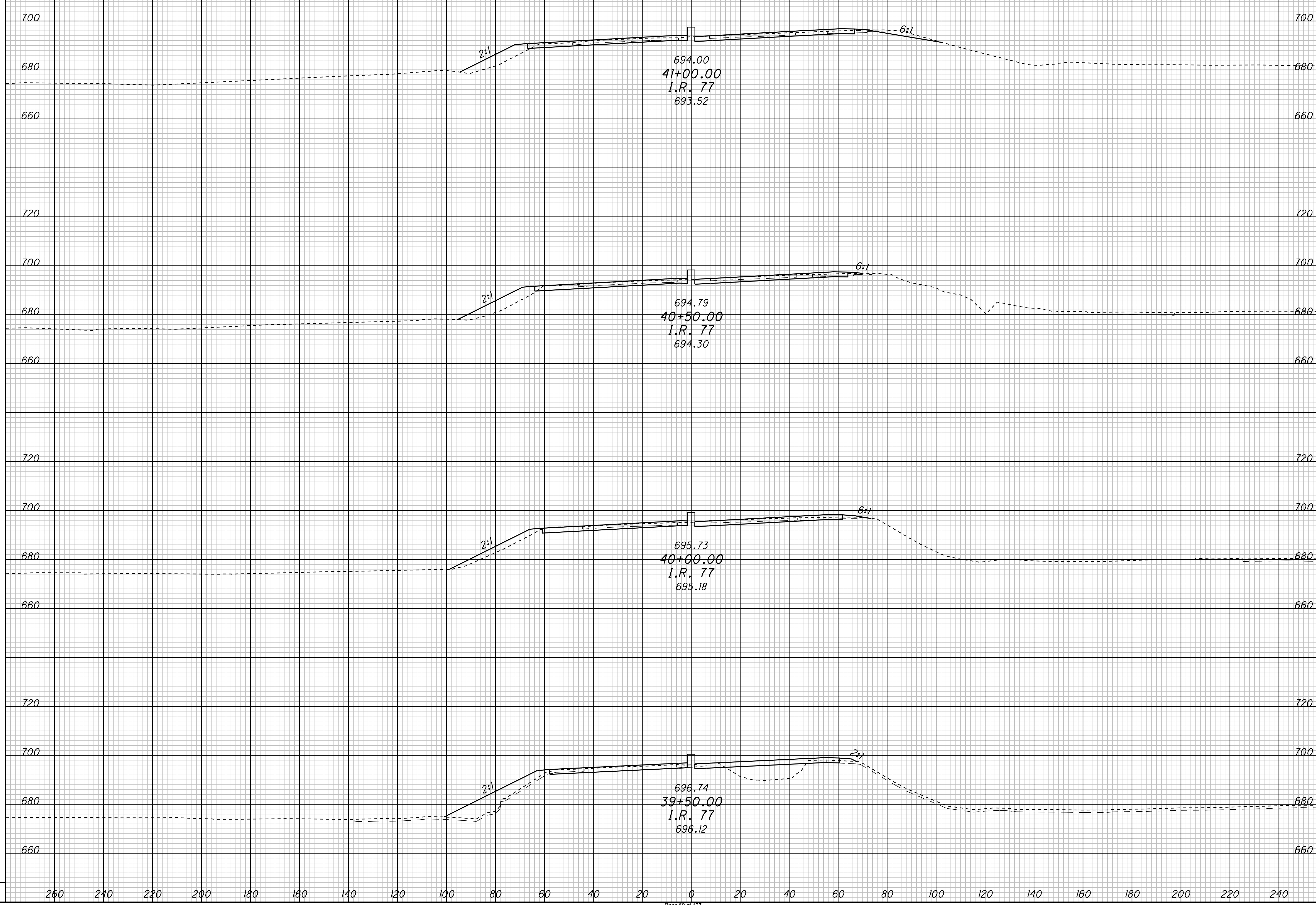
CUY -90-14.90

19
19

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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



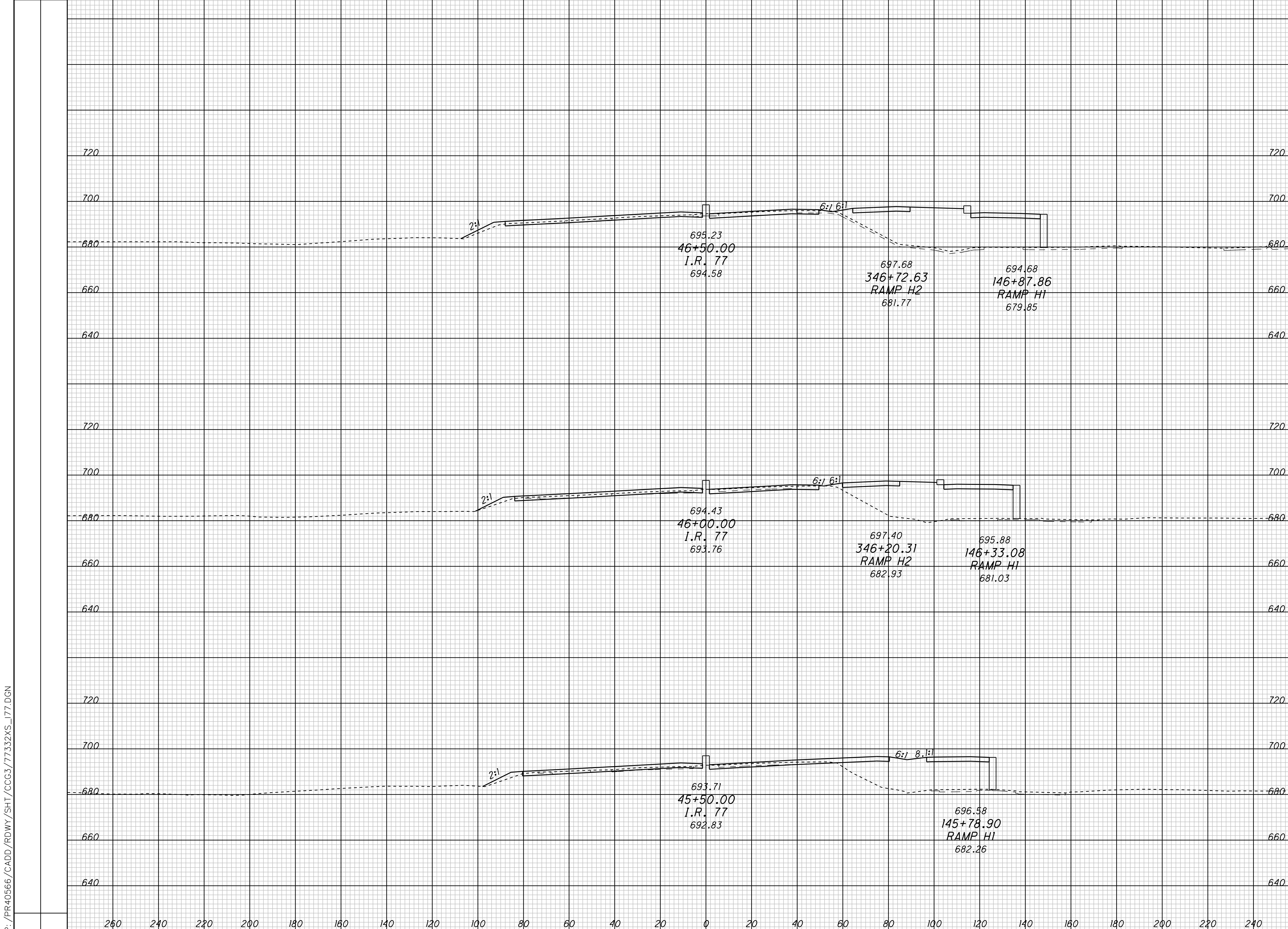
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

1
17

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

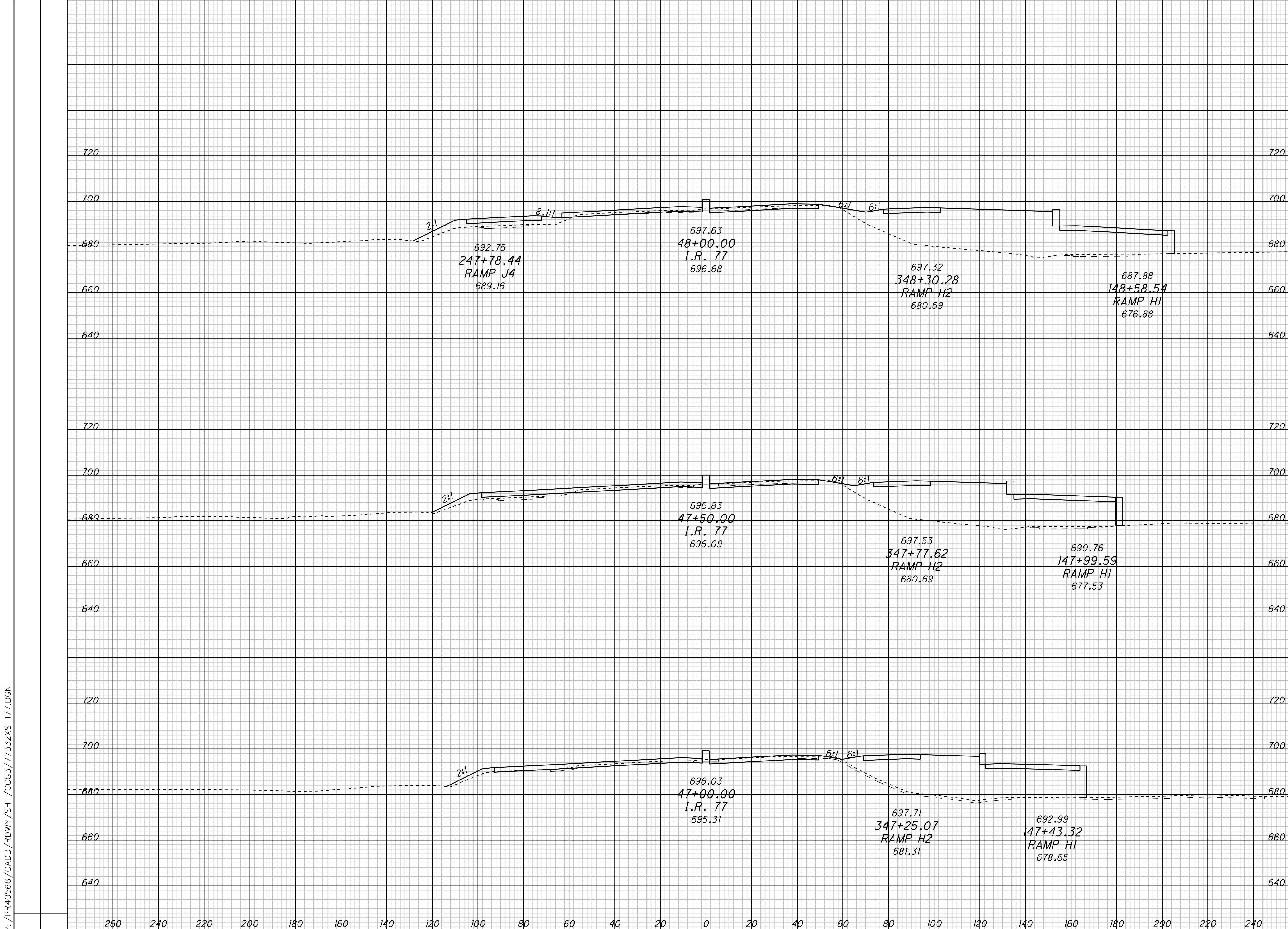
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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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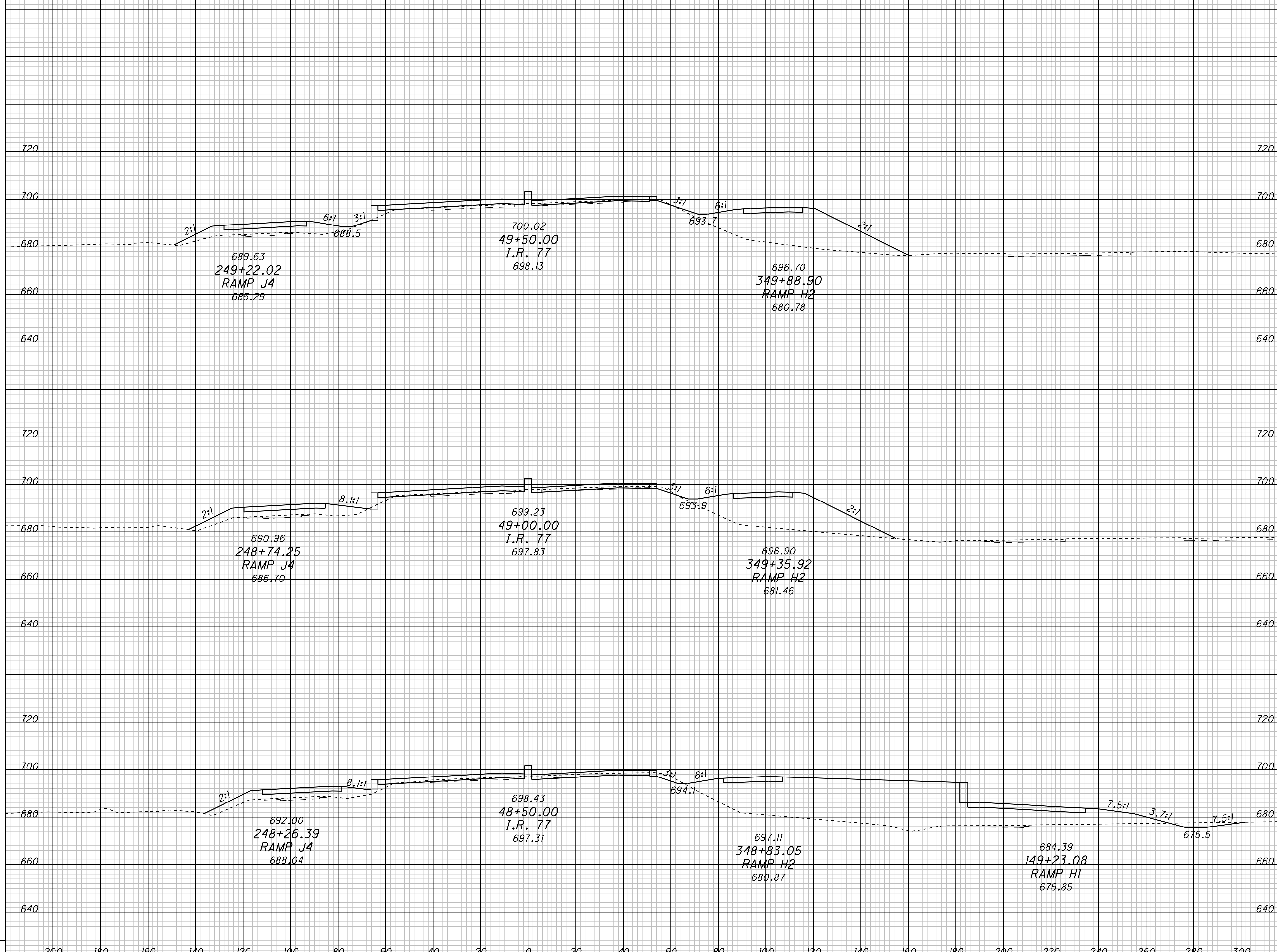
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

5
17

SEEDING
END WIDTH SO. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

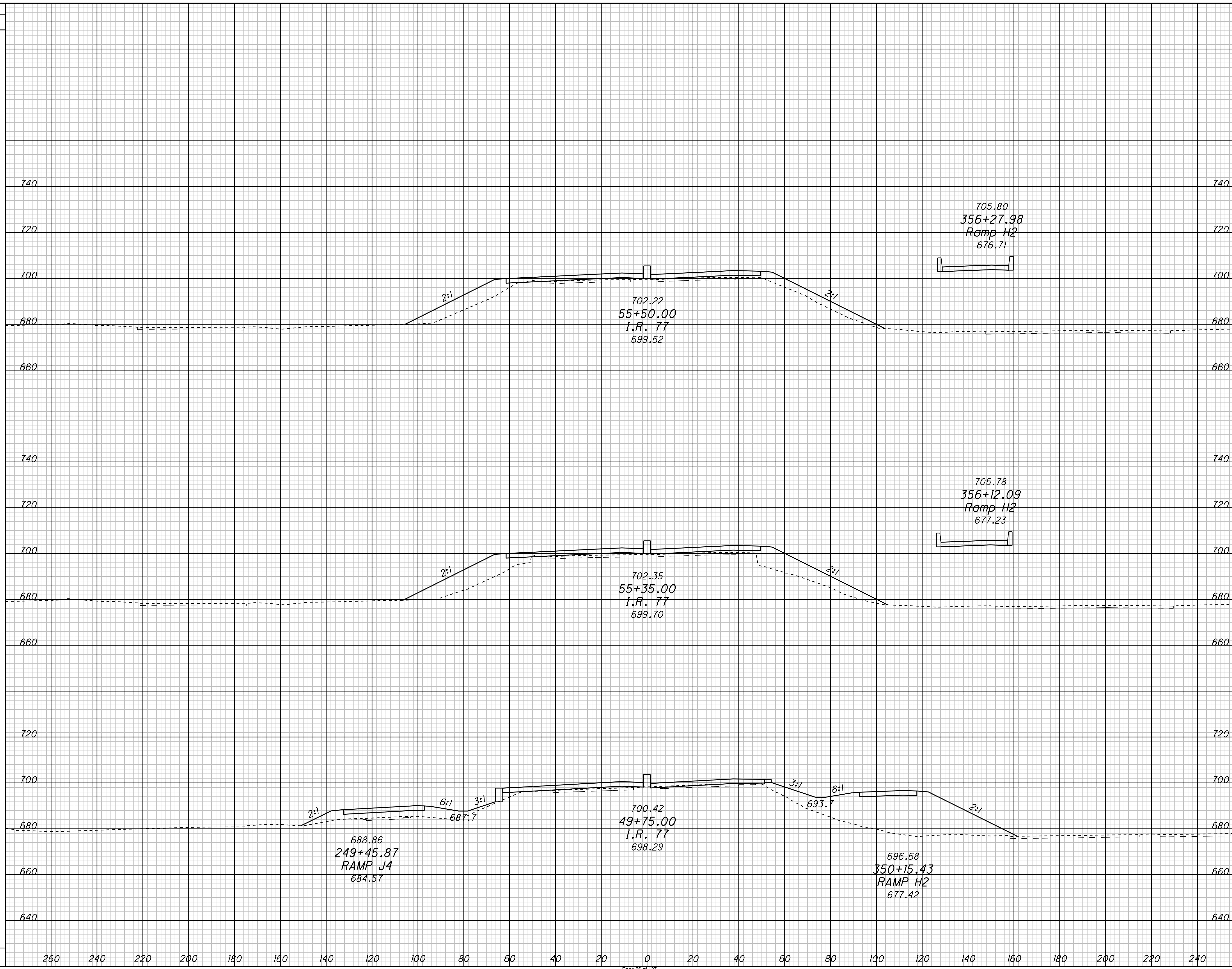
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17

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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

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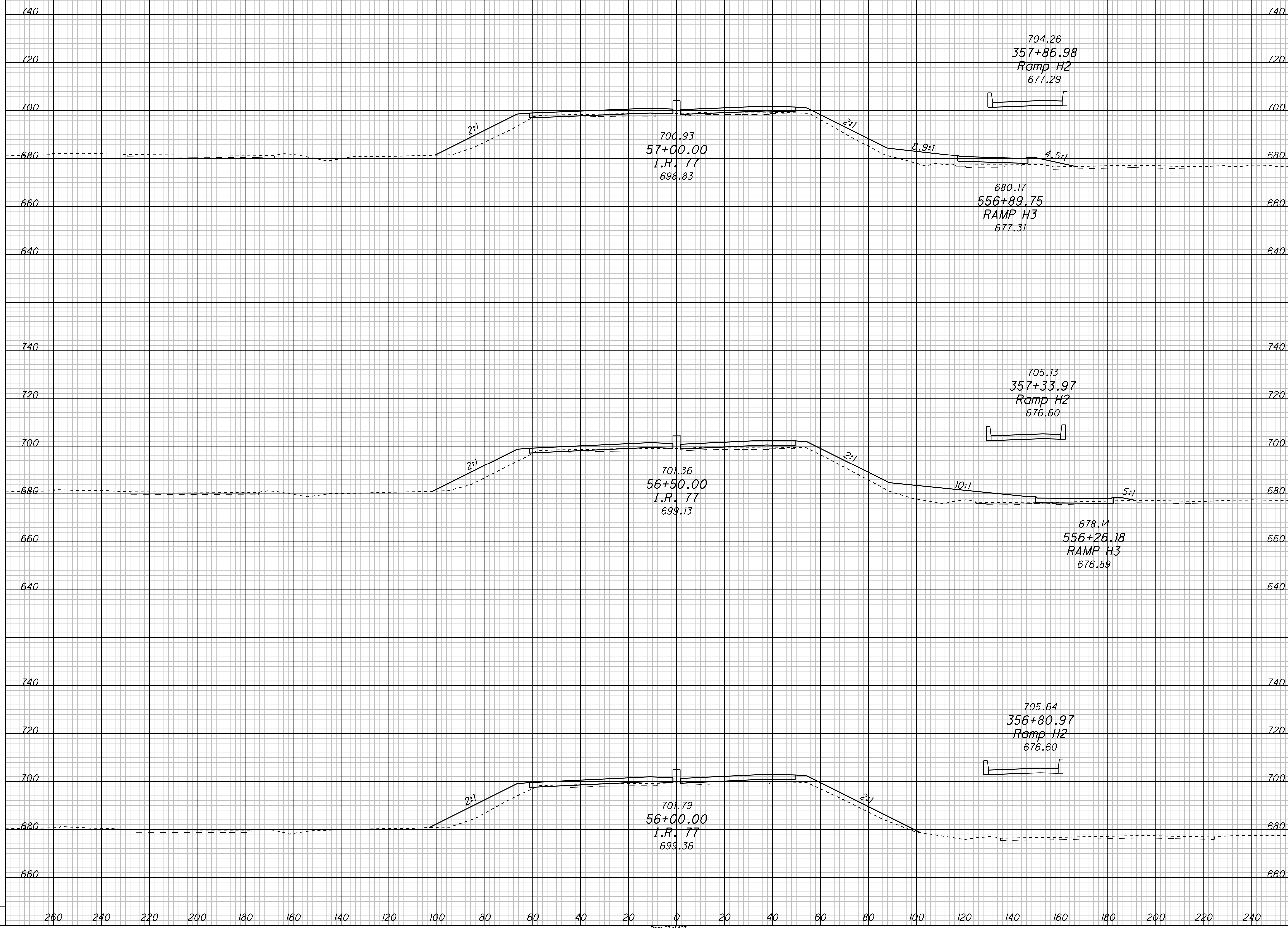
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

7
17

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

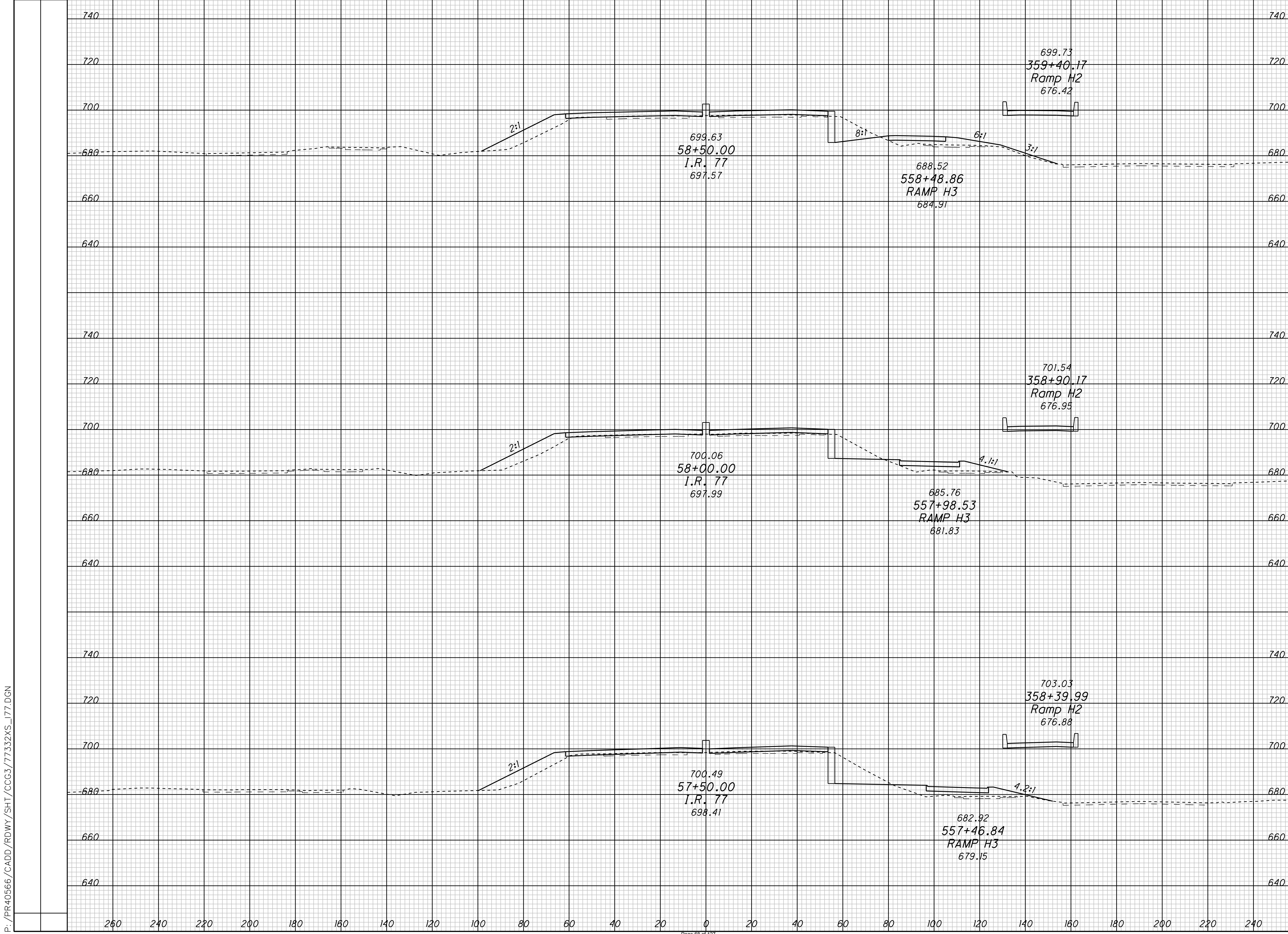
CUY-90-14.90

8
17

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SEEDING
END WIDTH SO. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY-90-14.90

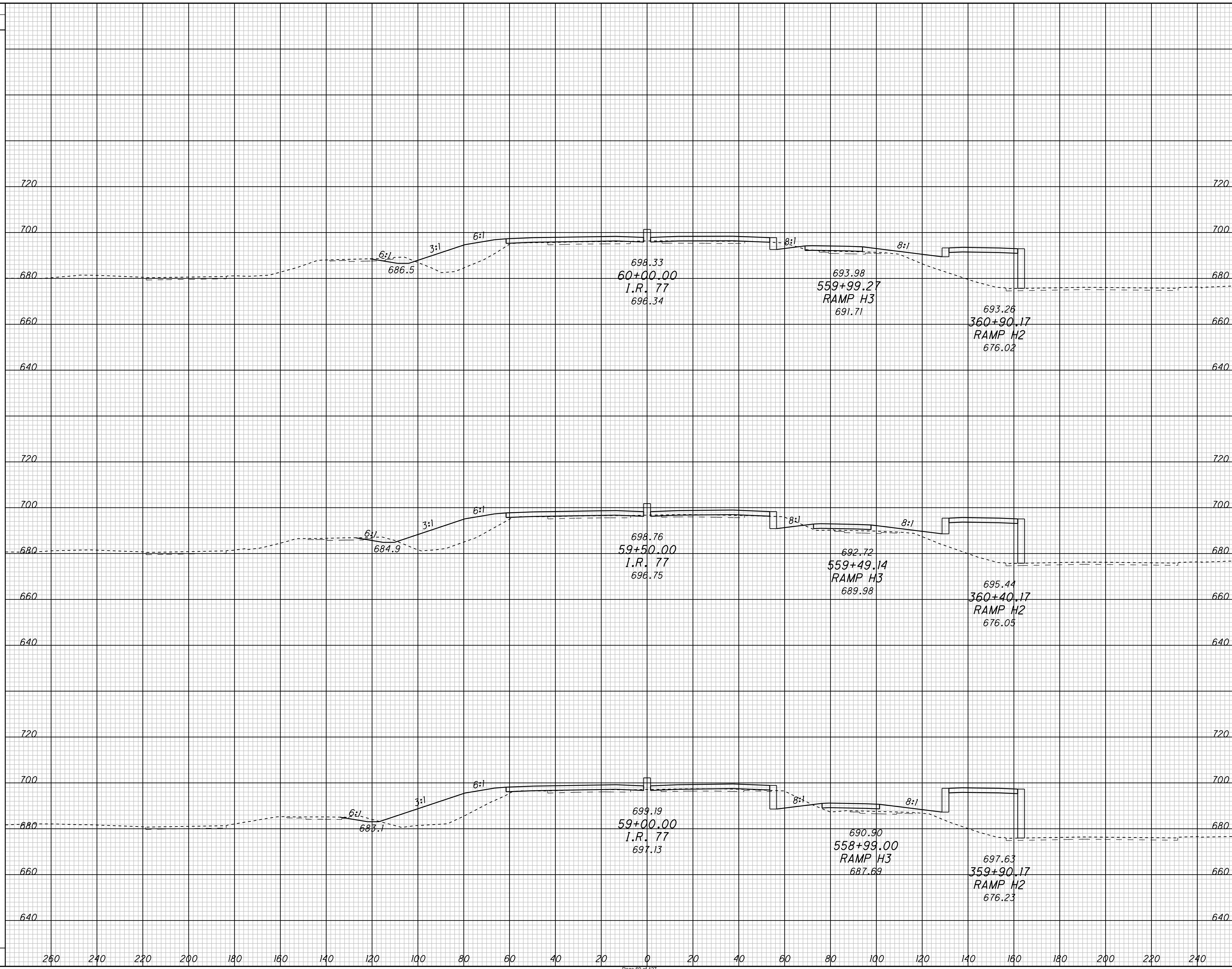
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SEEDING
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CUT FILL CUT FILL
CALCULATED CHECKED

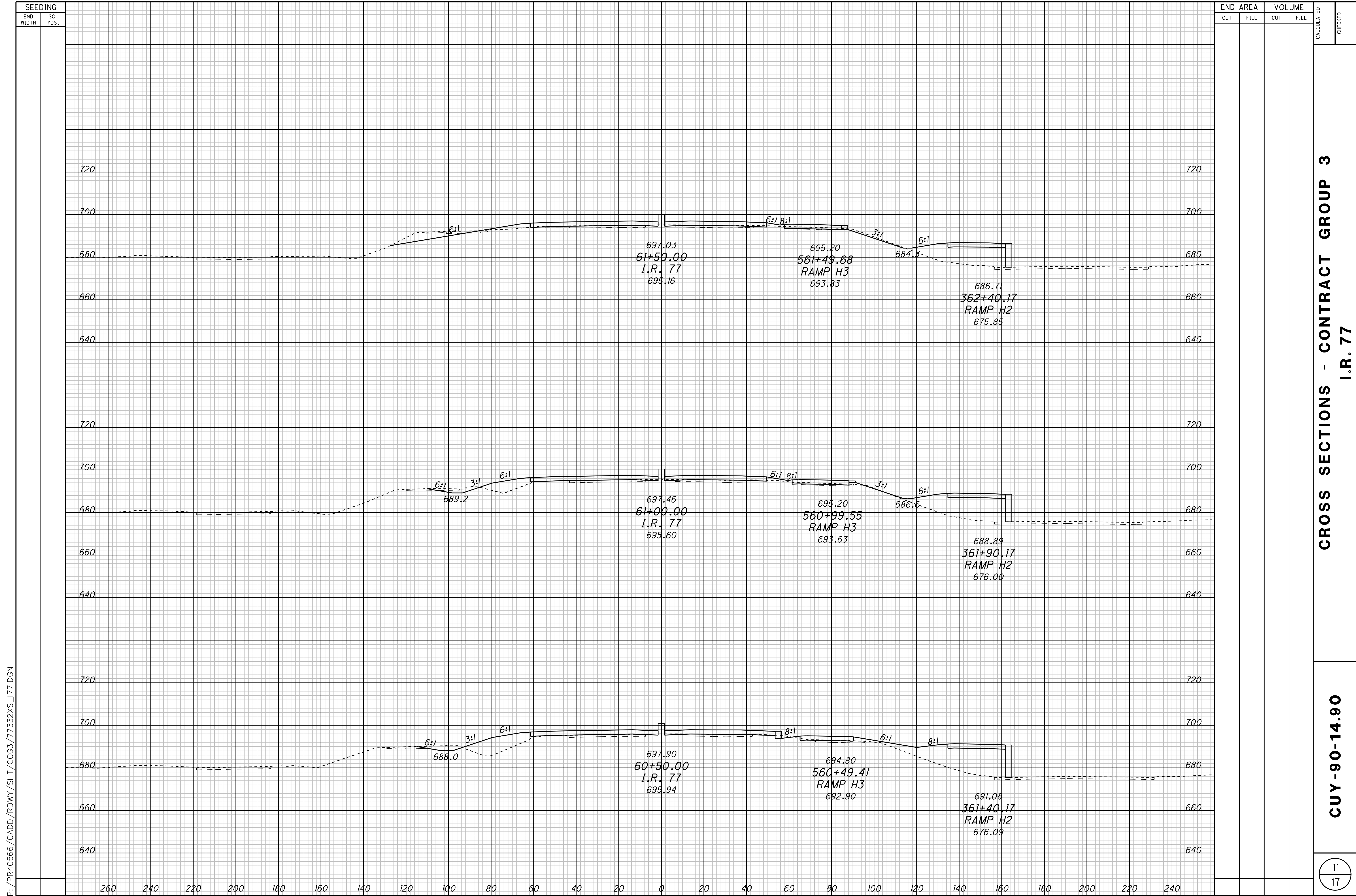
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CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

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17



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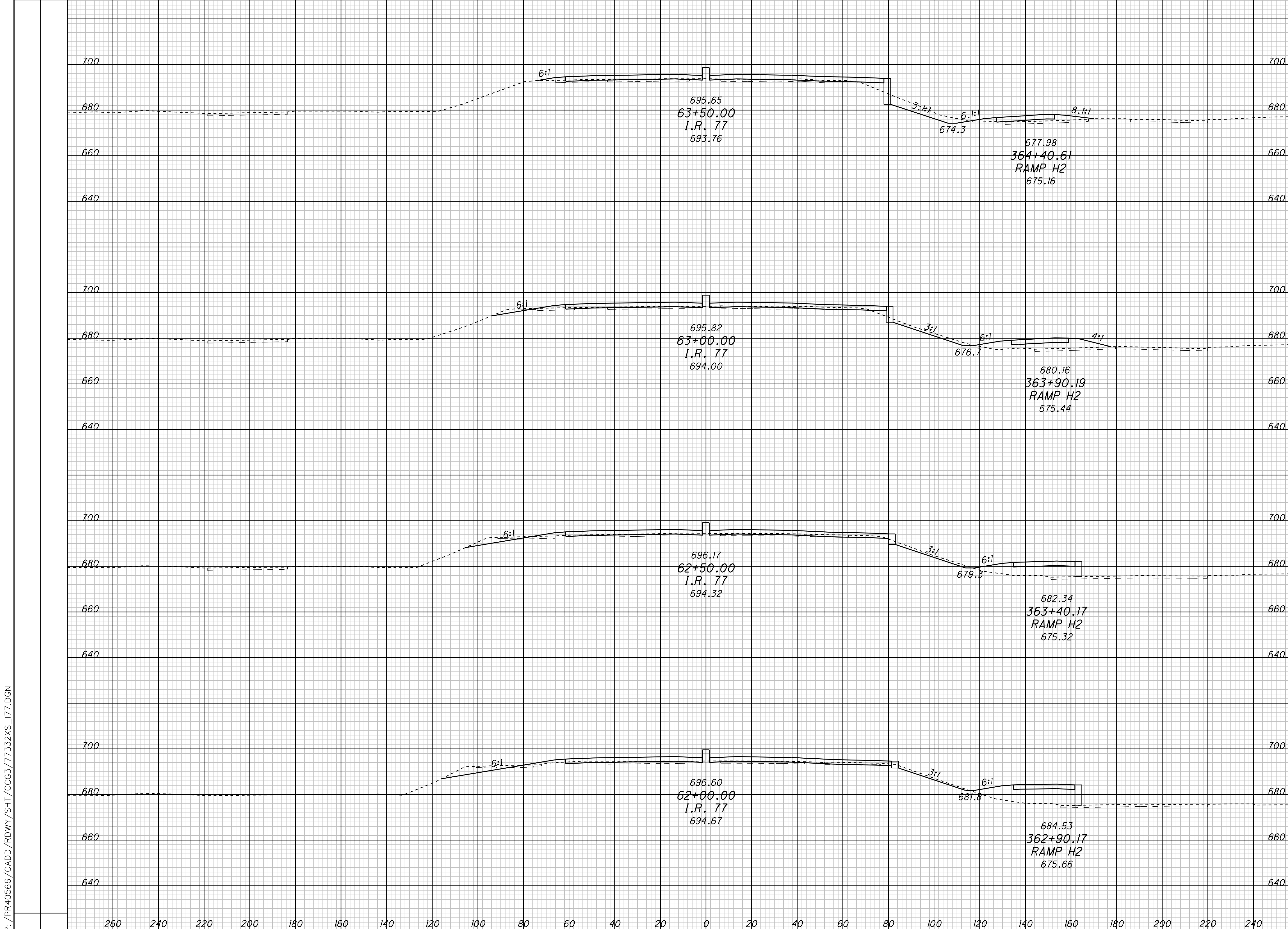
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

11
17

SEEDING
END WIDTH SQ. YDS.

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CUT FILL CUT FILL
CALCULATED CHECKED



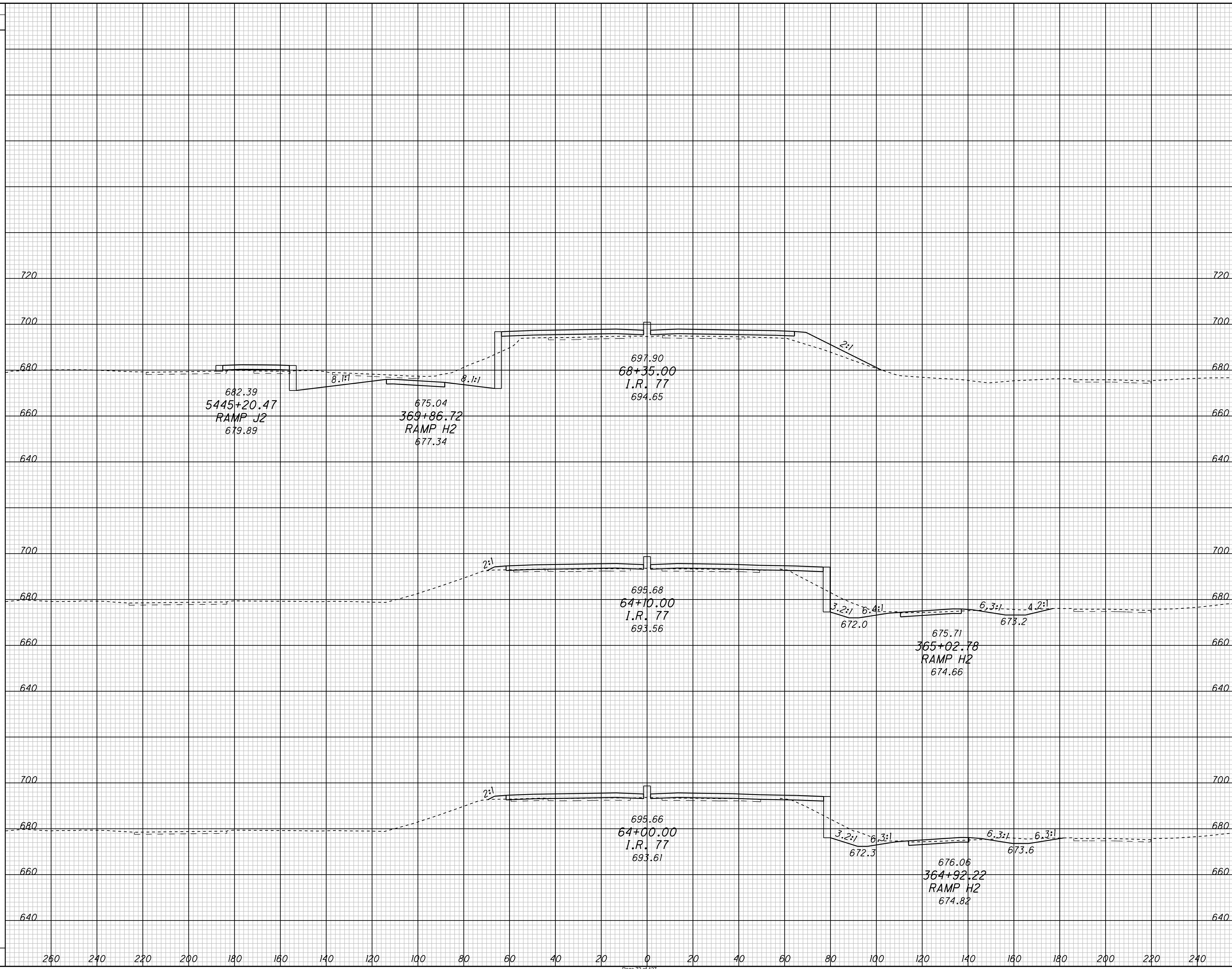
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

12
17

SEEDING
END WIDTH SQ. YDS.

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CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

13
17

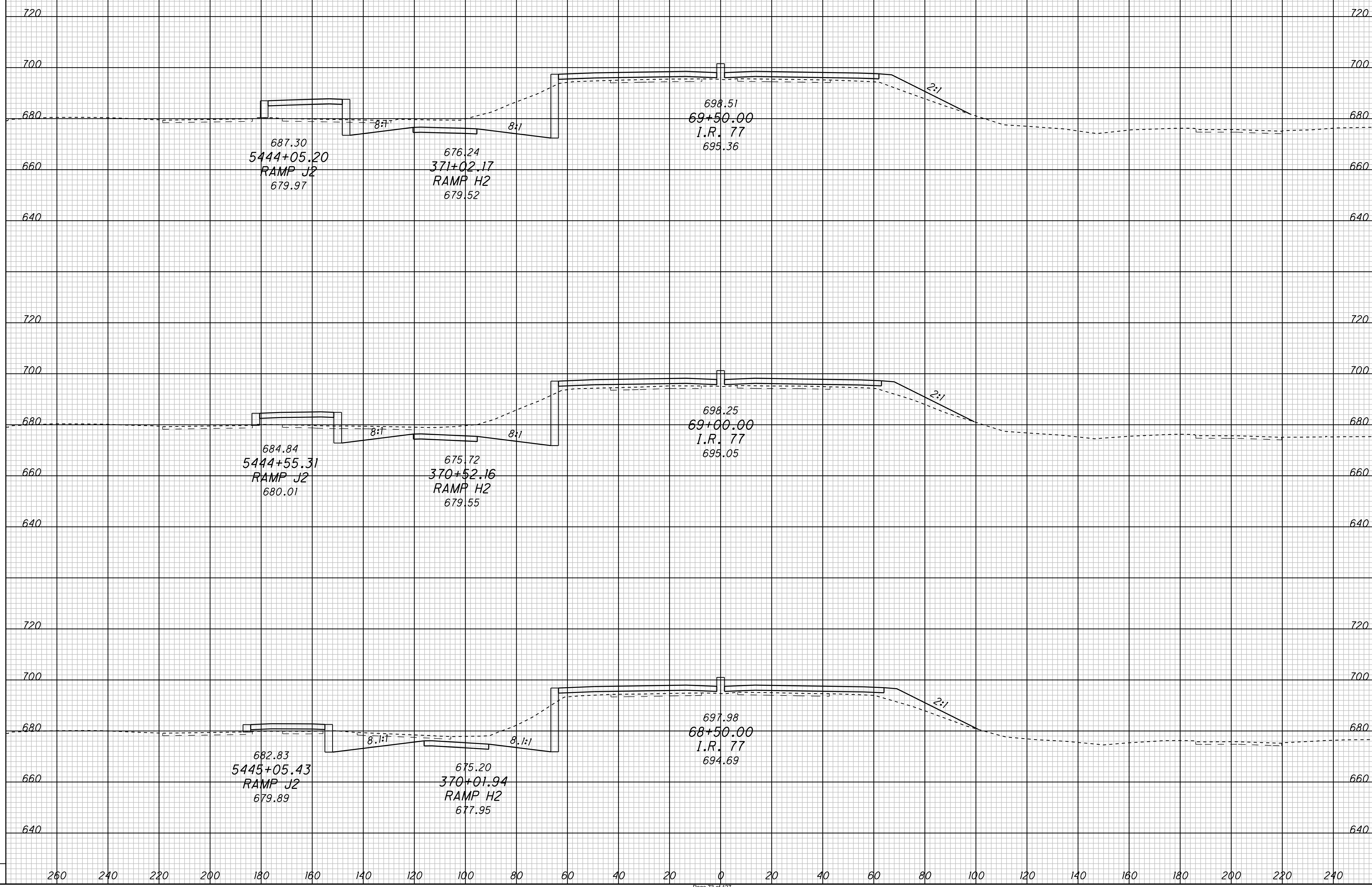
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SEEDING

END WIDTH SO. YDS.

END AREA VOLUME
CUT FILL CUT FILL

CALCULATED
CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

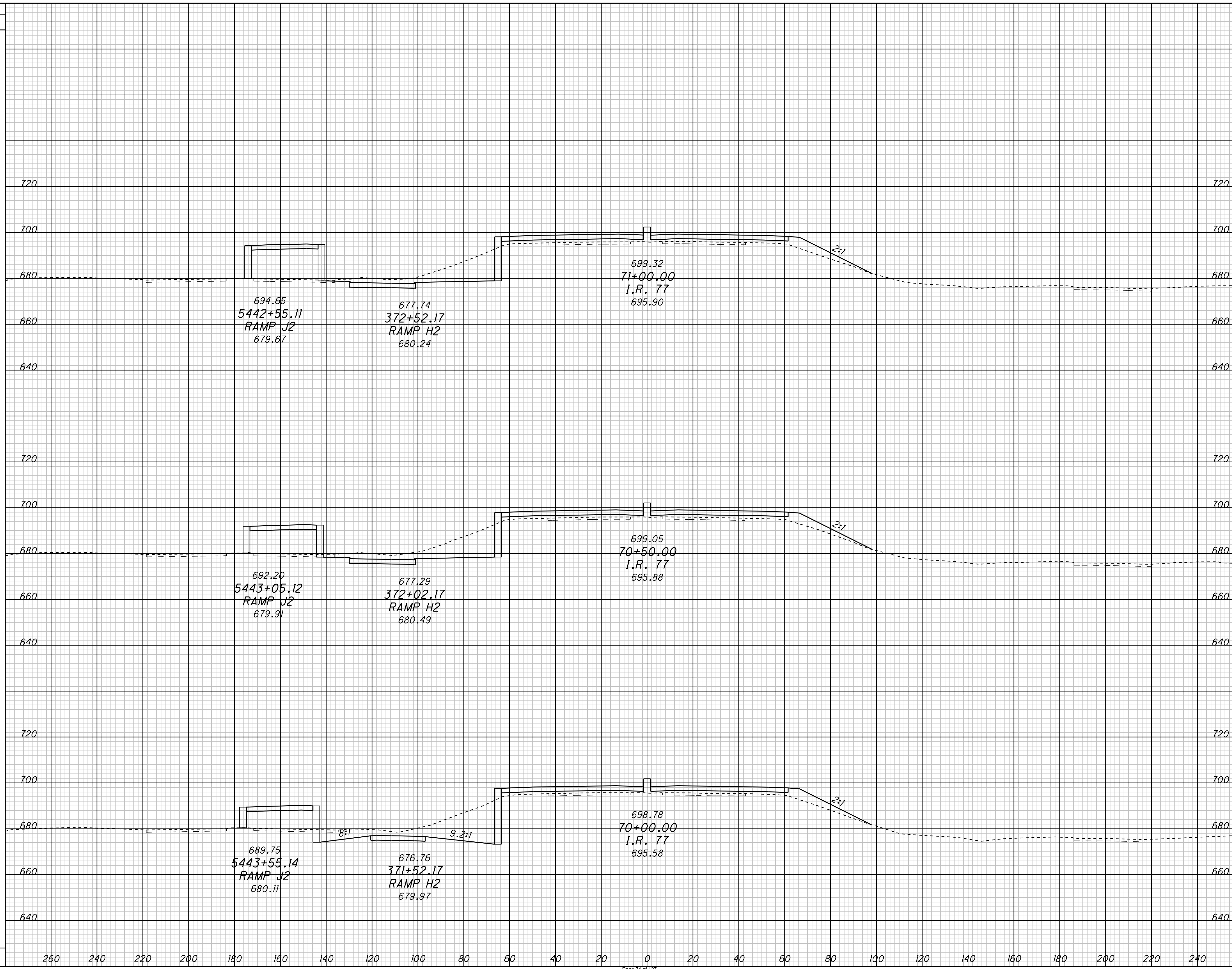
14
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SEEDING

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END AREA VOLUME
CUT FILL CUT FILL

CALCULATED
CHECKED



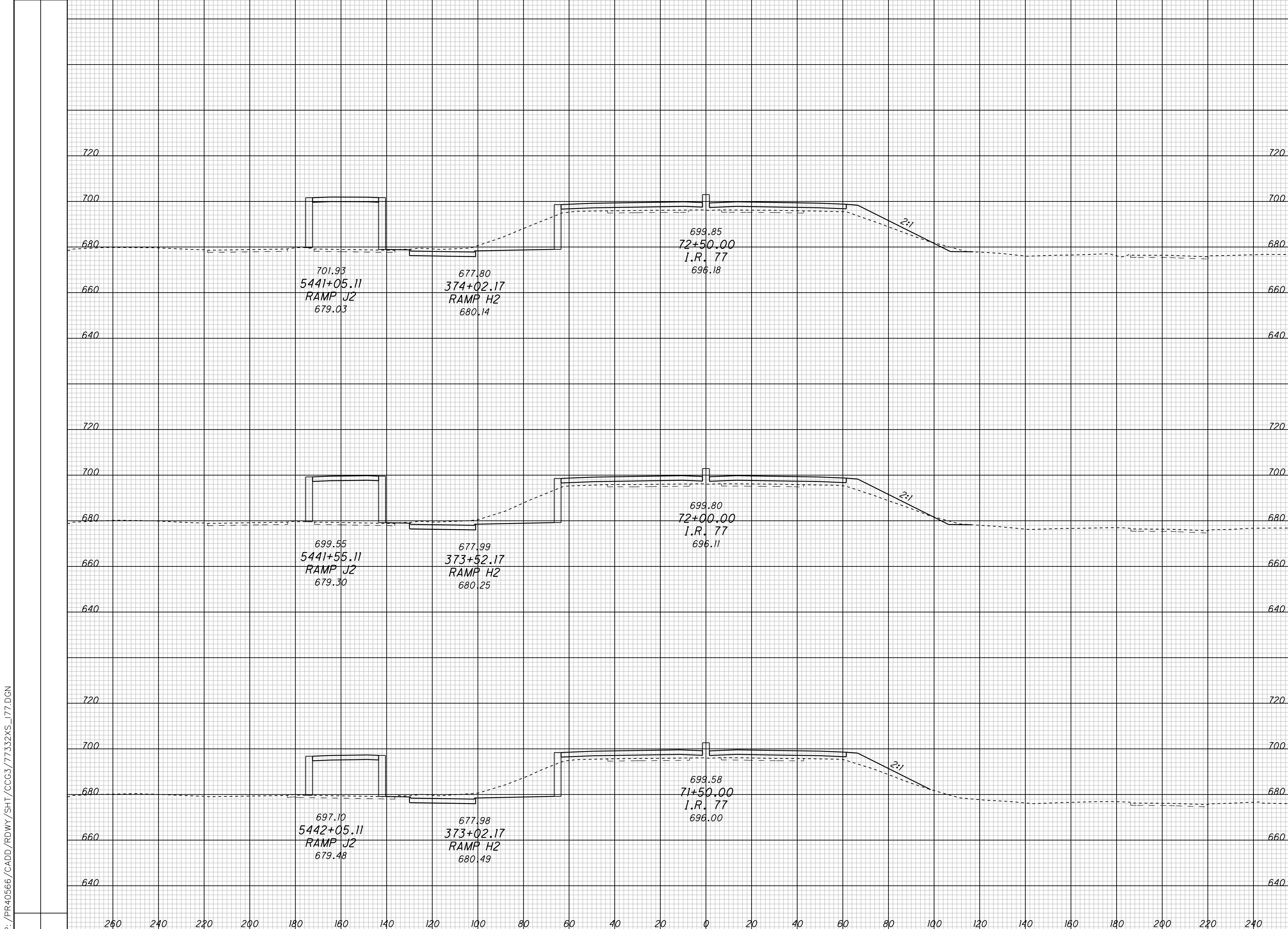
CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

15
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SEEDING
END WIDTH SQ. YDS.

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CUT FILL CUT FILL
CALCULATED CHECKED

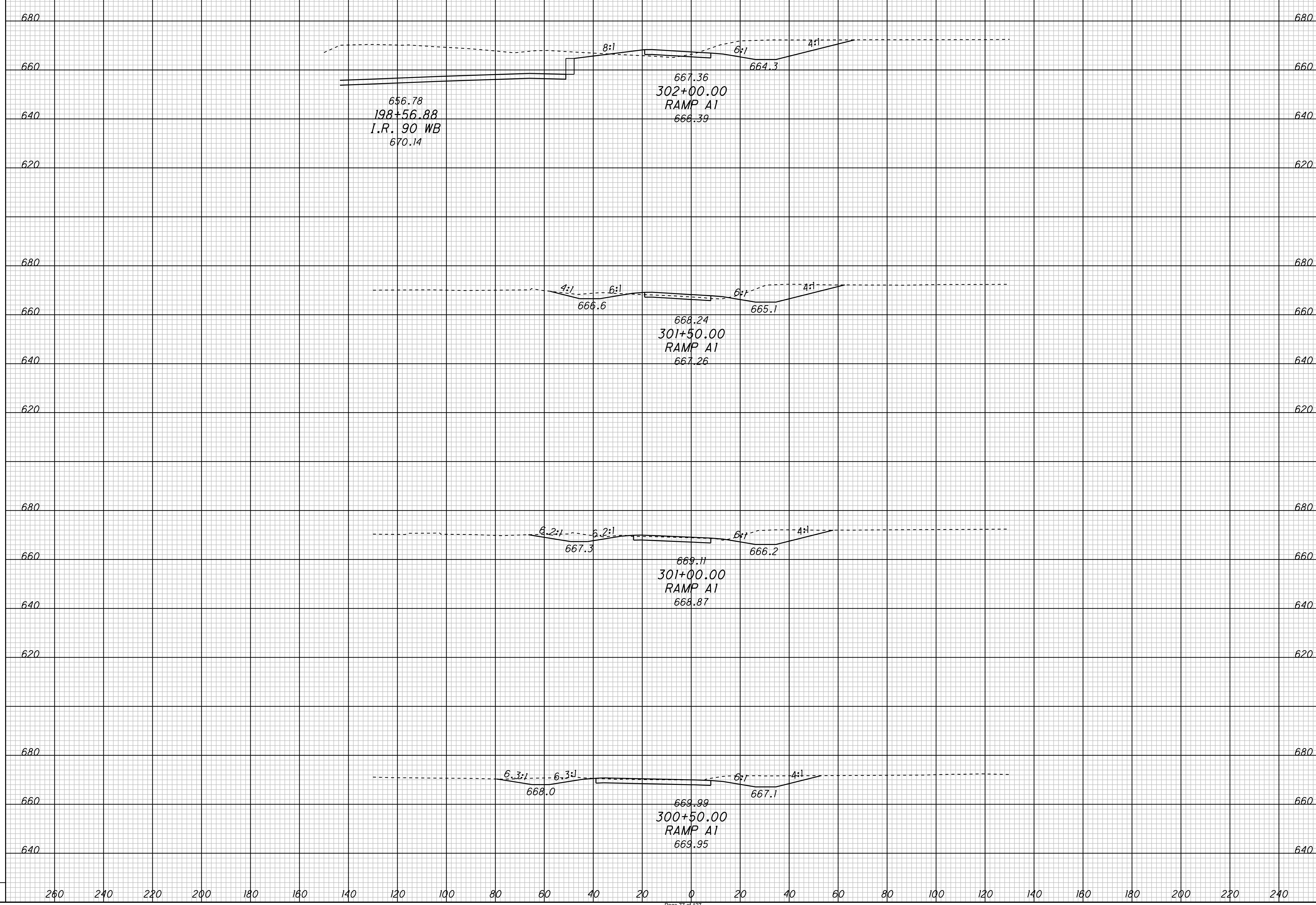


CROSS SECTIONS - CONTRACT GROUP 3
I.R. 77

CUY -90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



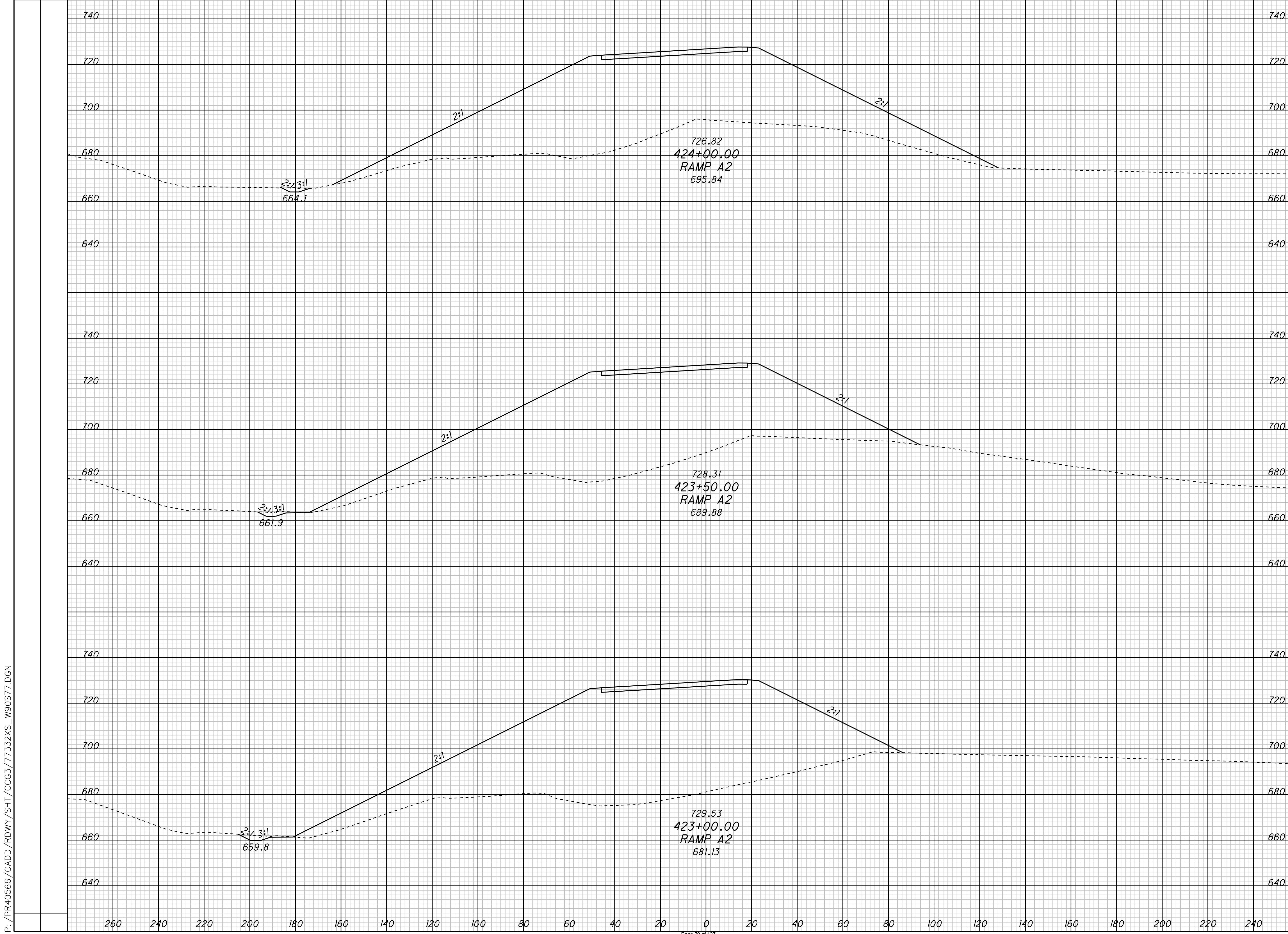
CROSS SECTIONS - CONTRACT GROUP 3
RAMP A1

CUY-90-14.90

1
2

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

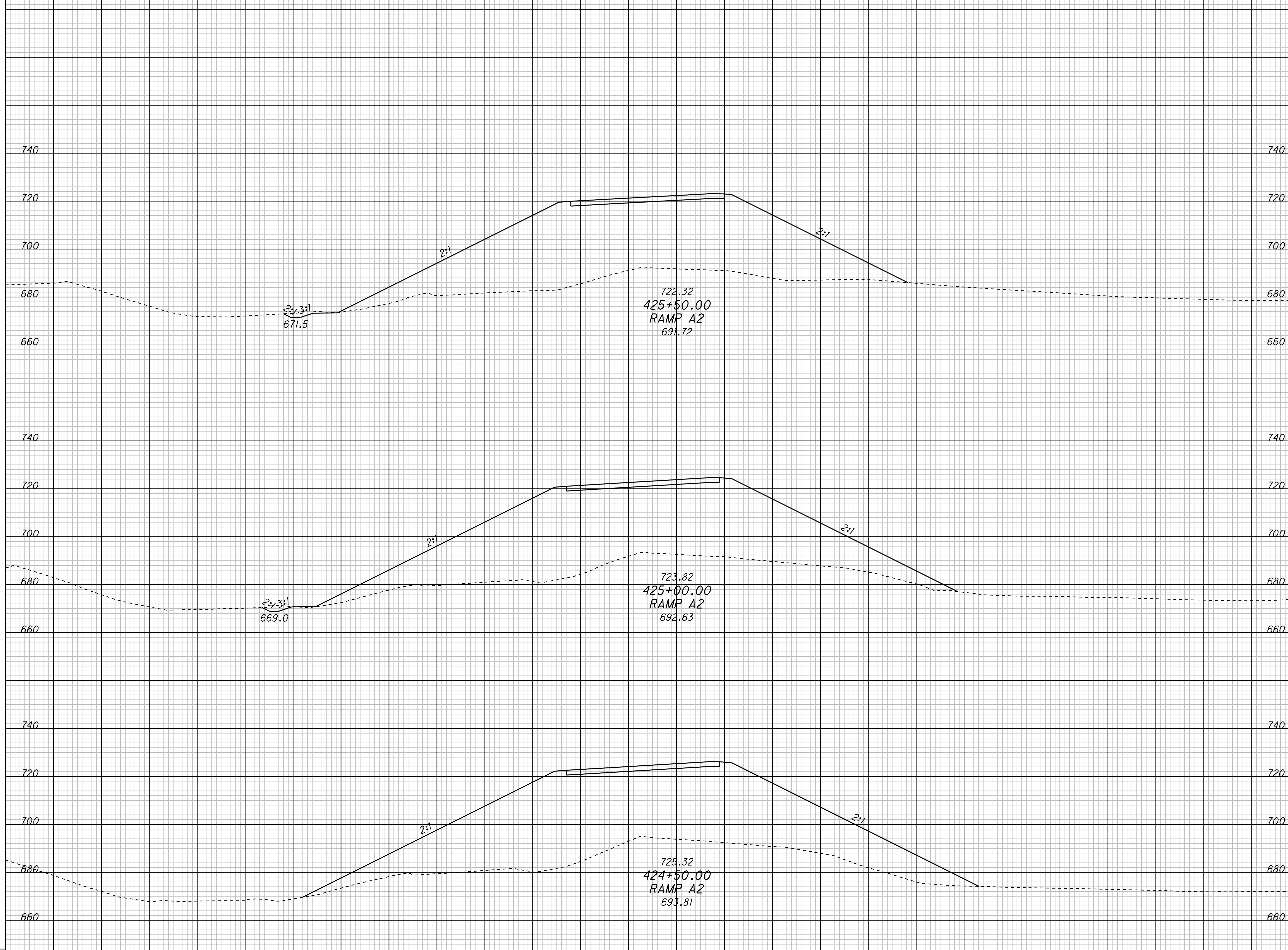


CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

CUY -90-14.90

SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

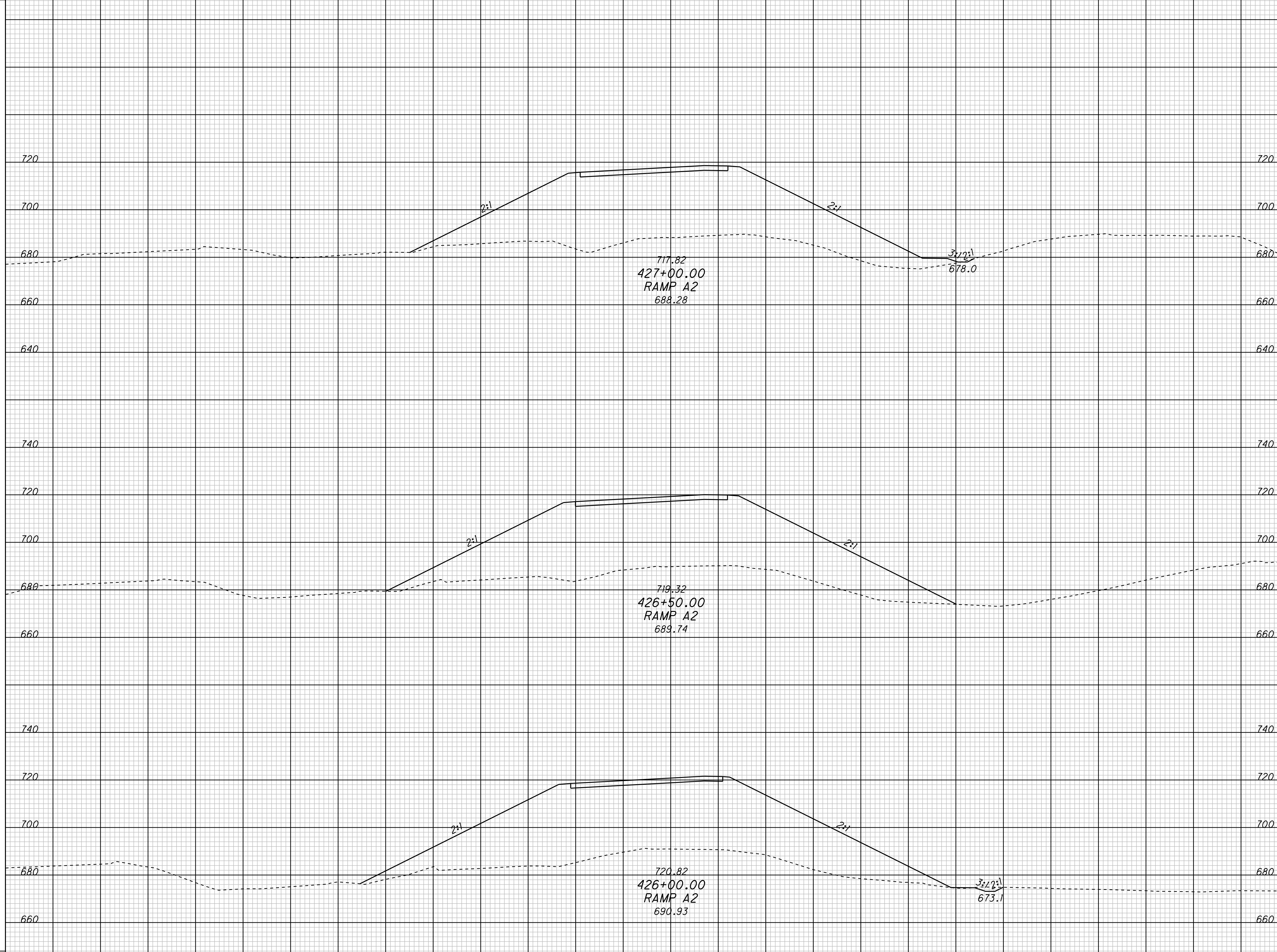
CUY -90-14.90

2
10

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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

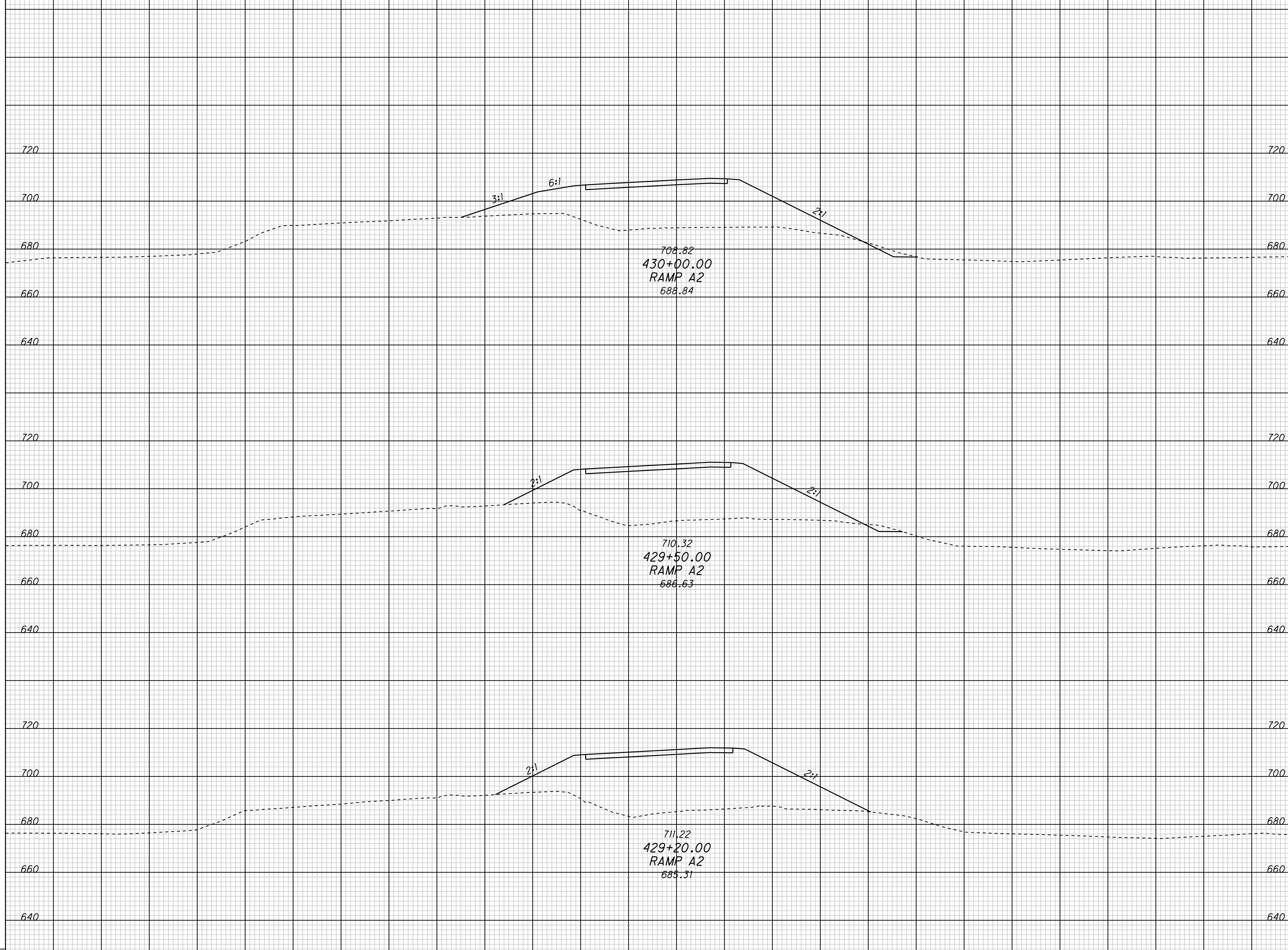
CUY -90-14.90

3
10

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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



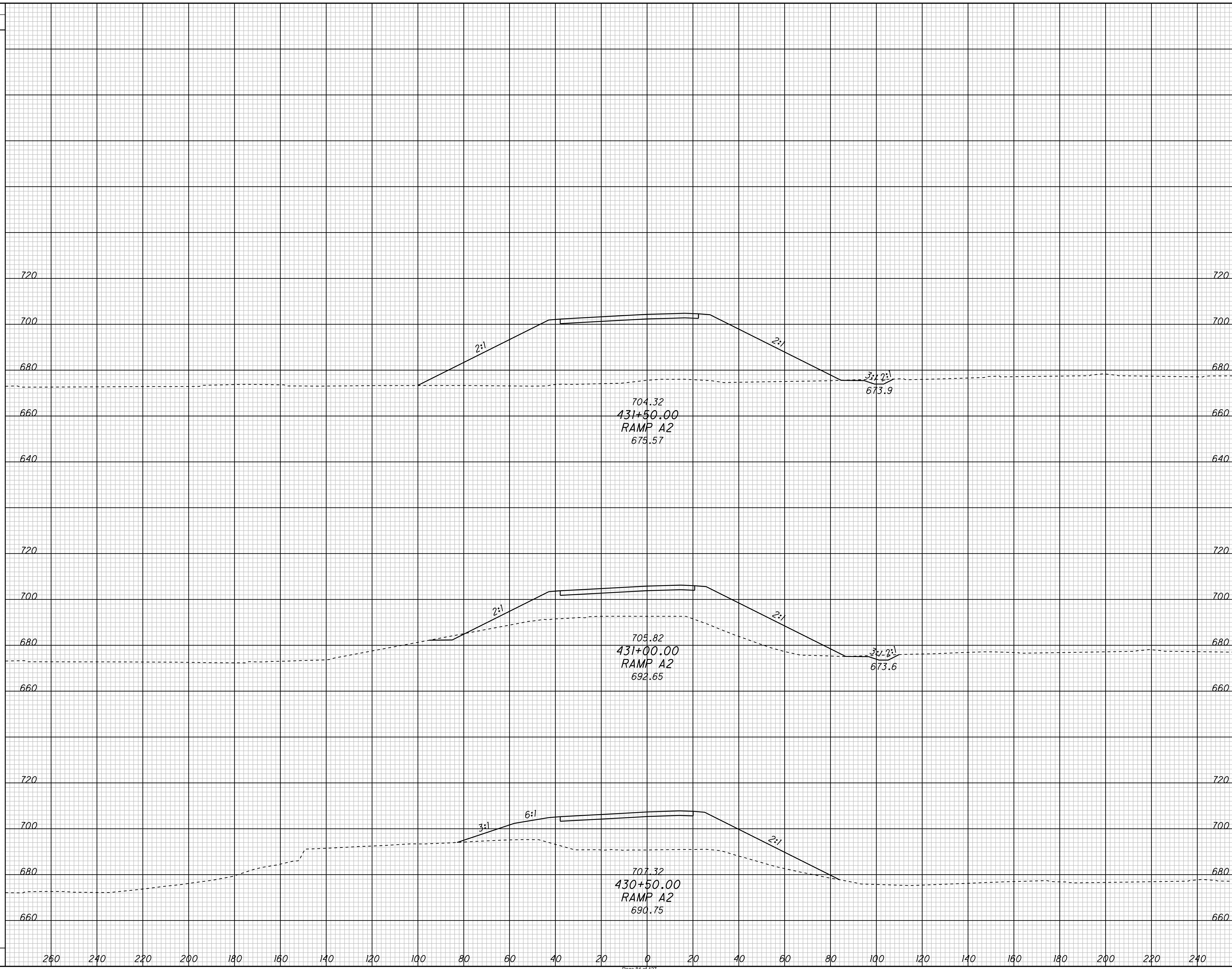
CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

CUY -90-14.90

5
10

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



704.32
431+50.00
RAMP A2
675.57

3:1 2:1
673.9

705.82
431+00.00
RAMP A2
692.65

3:1 2:1
673.6

707.32
430+50.00
RAMP A2
690.75

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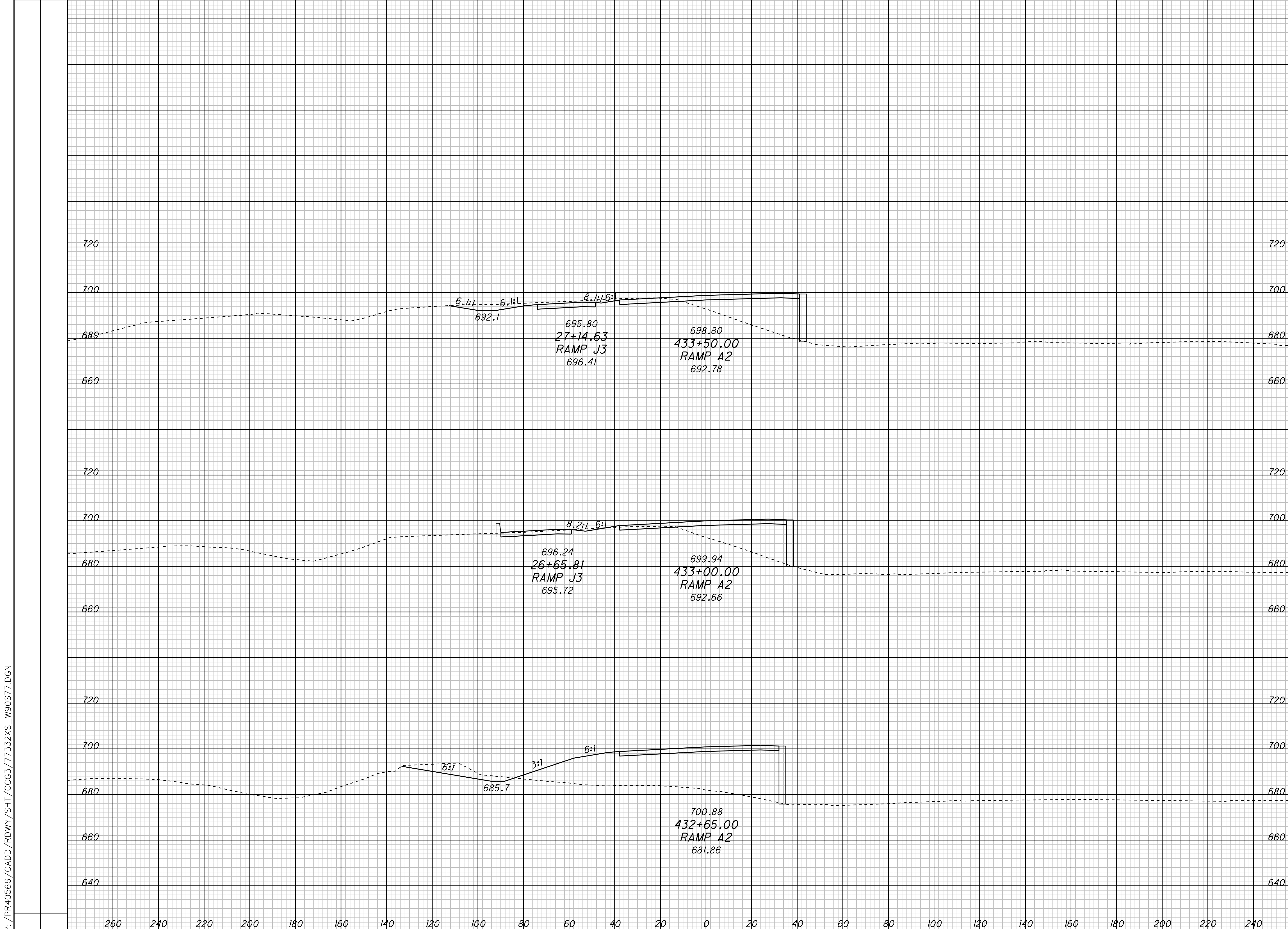
CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

CUY -90-14.90

6
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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

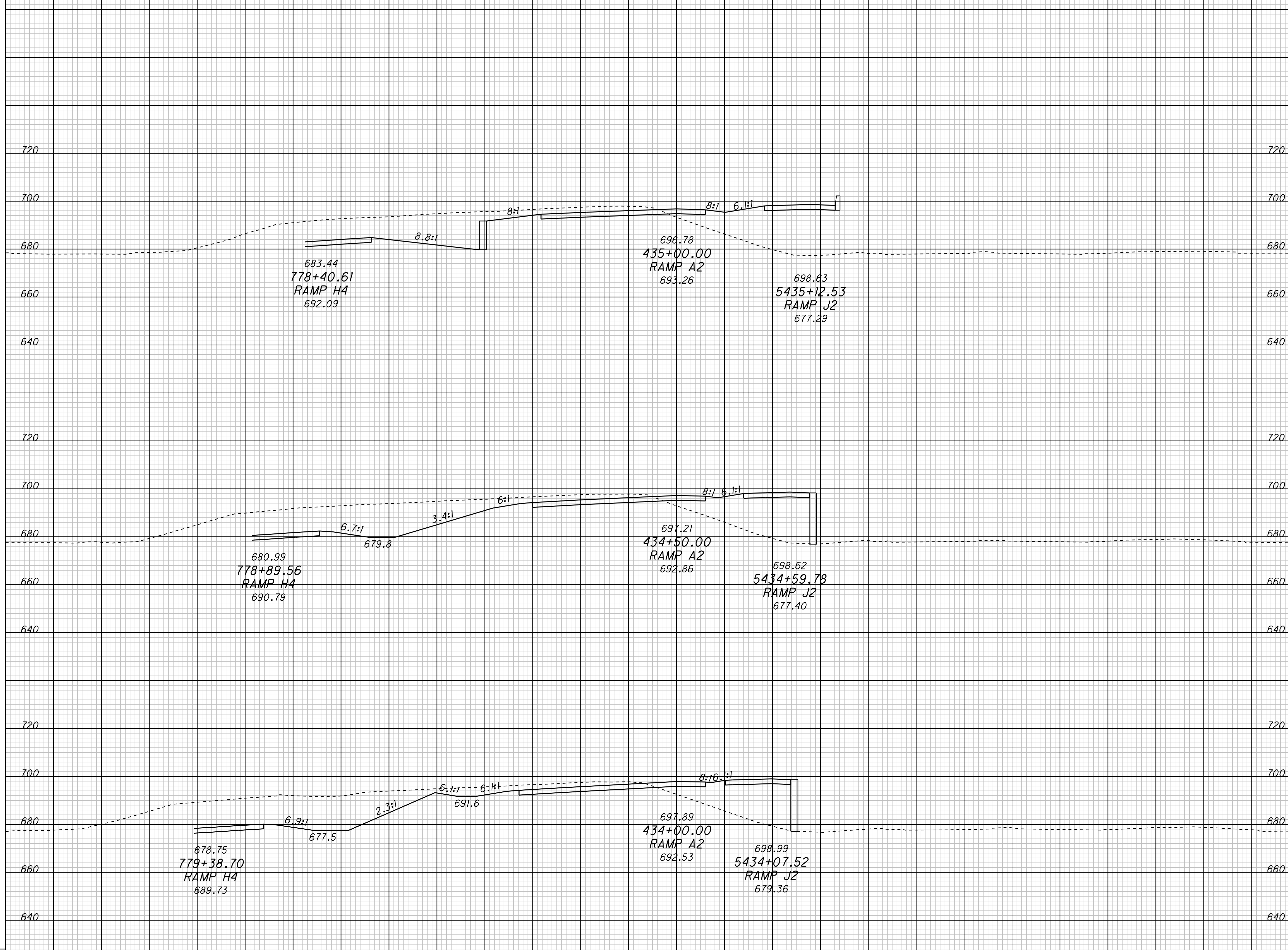
CUY -90-14.90

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10

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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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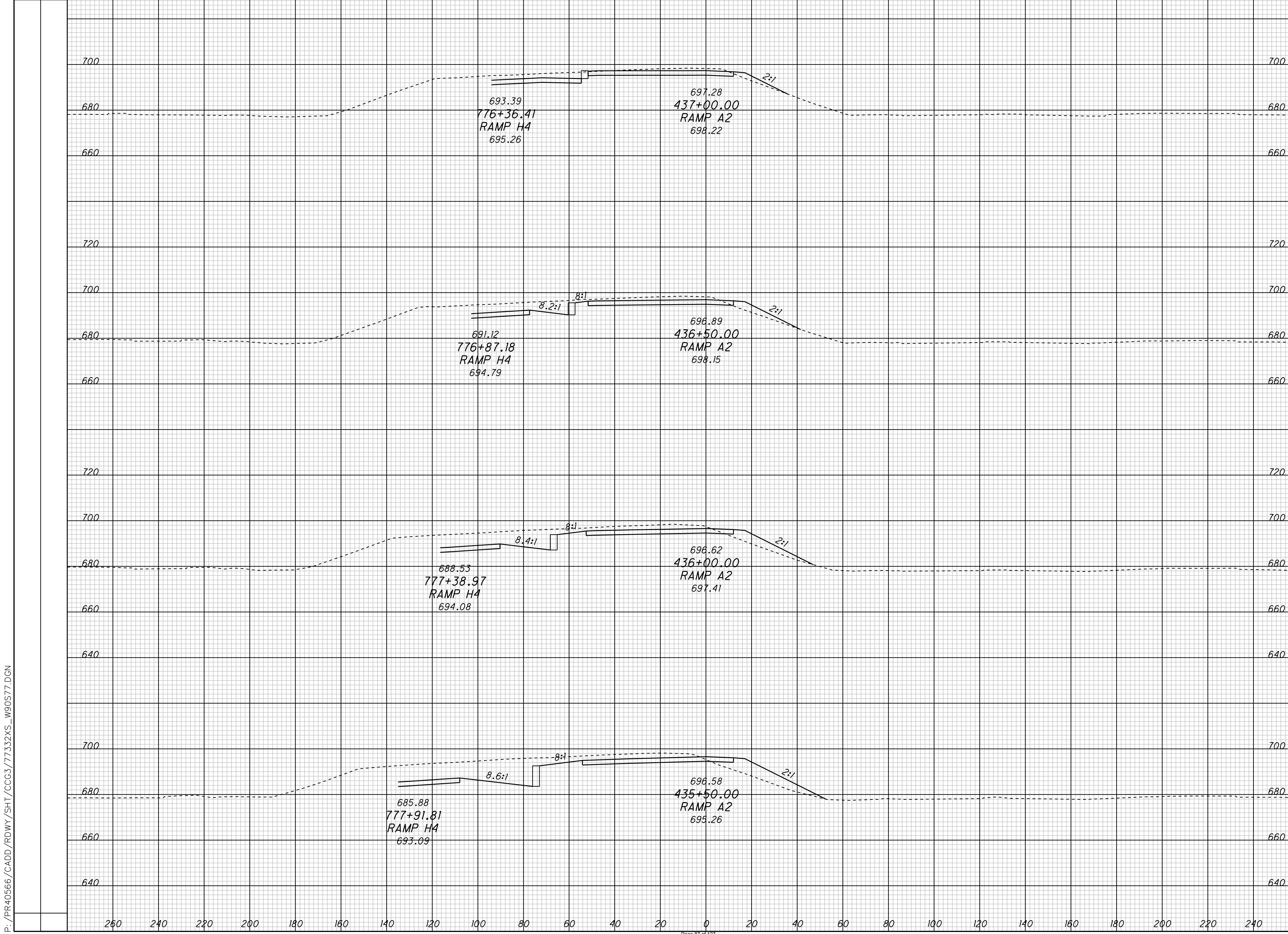
CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

CUY-90-14.90

8
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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



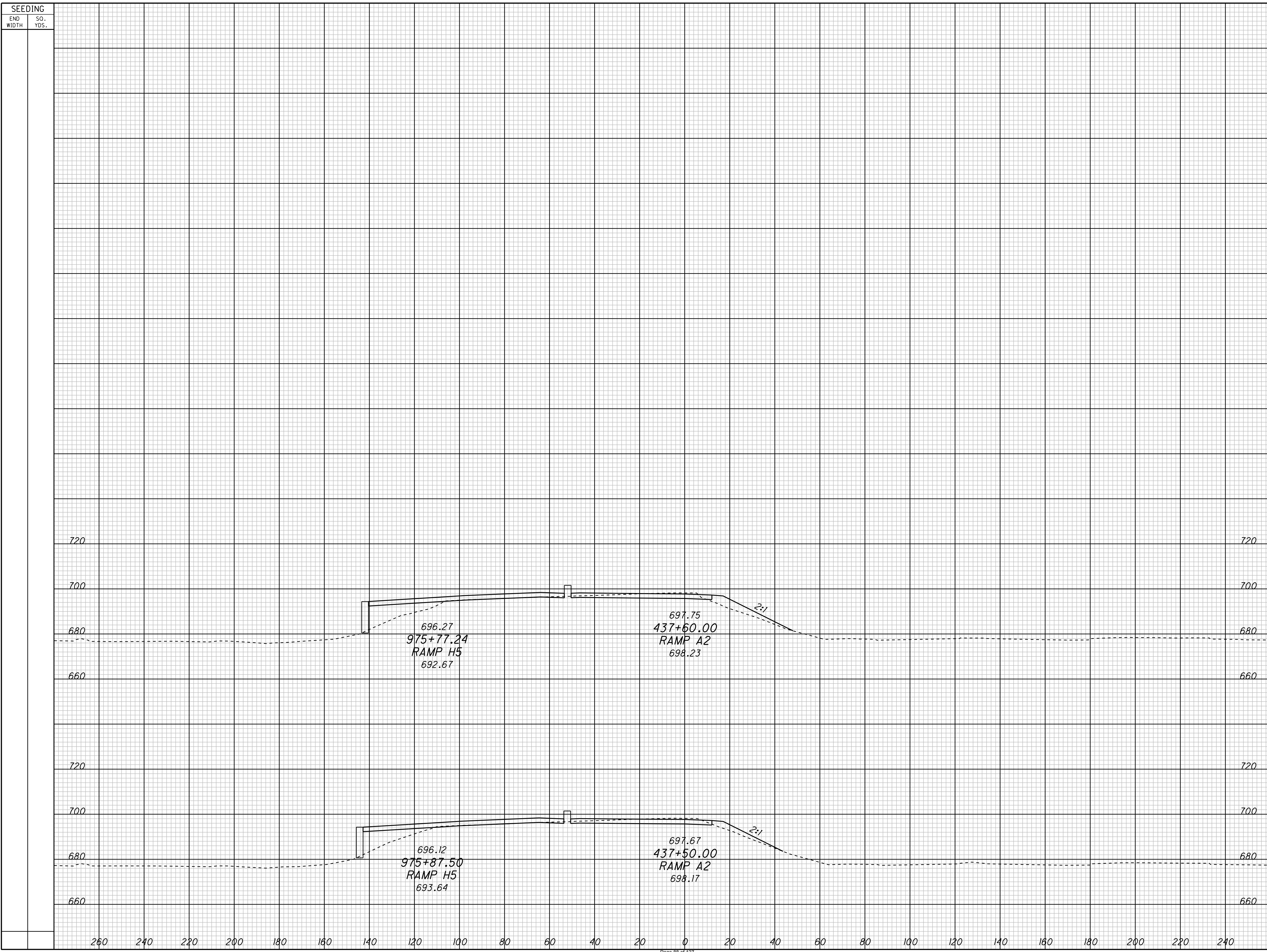
CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2

CUY-90-14.90

9
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SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

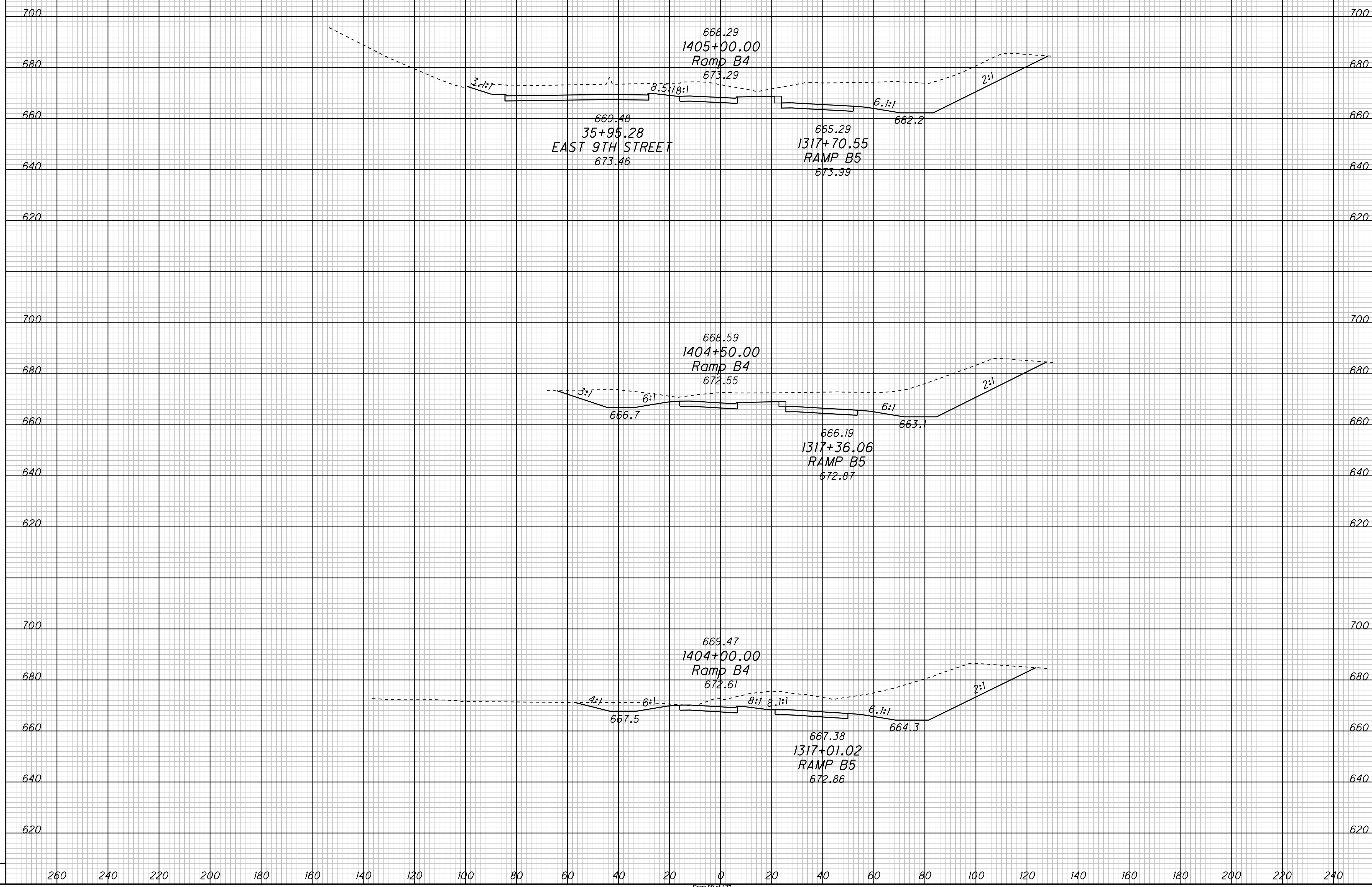
**CROSS SECTIONS - CONTRACT GROUP 3
RAMP A2**

CUY -90-14.90

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10

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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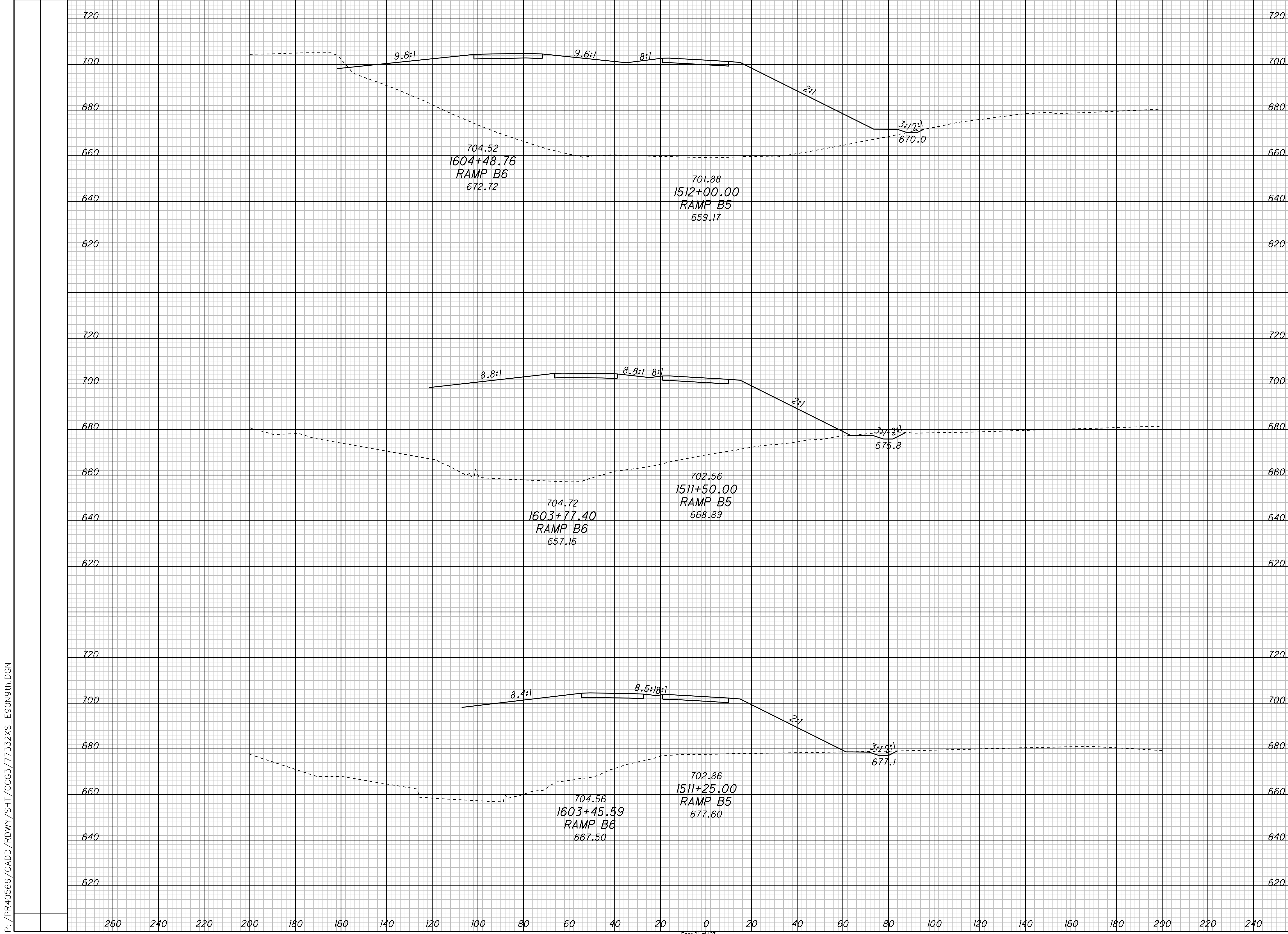
CROSS SECTIONS - CONTRACT GROUP 3
RAMP B4

CUY -90-14.90

1
2

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

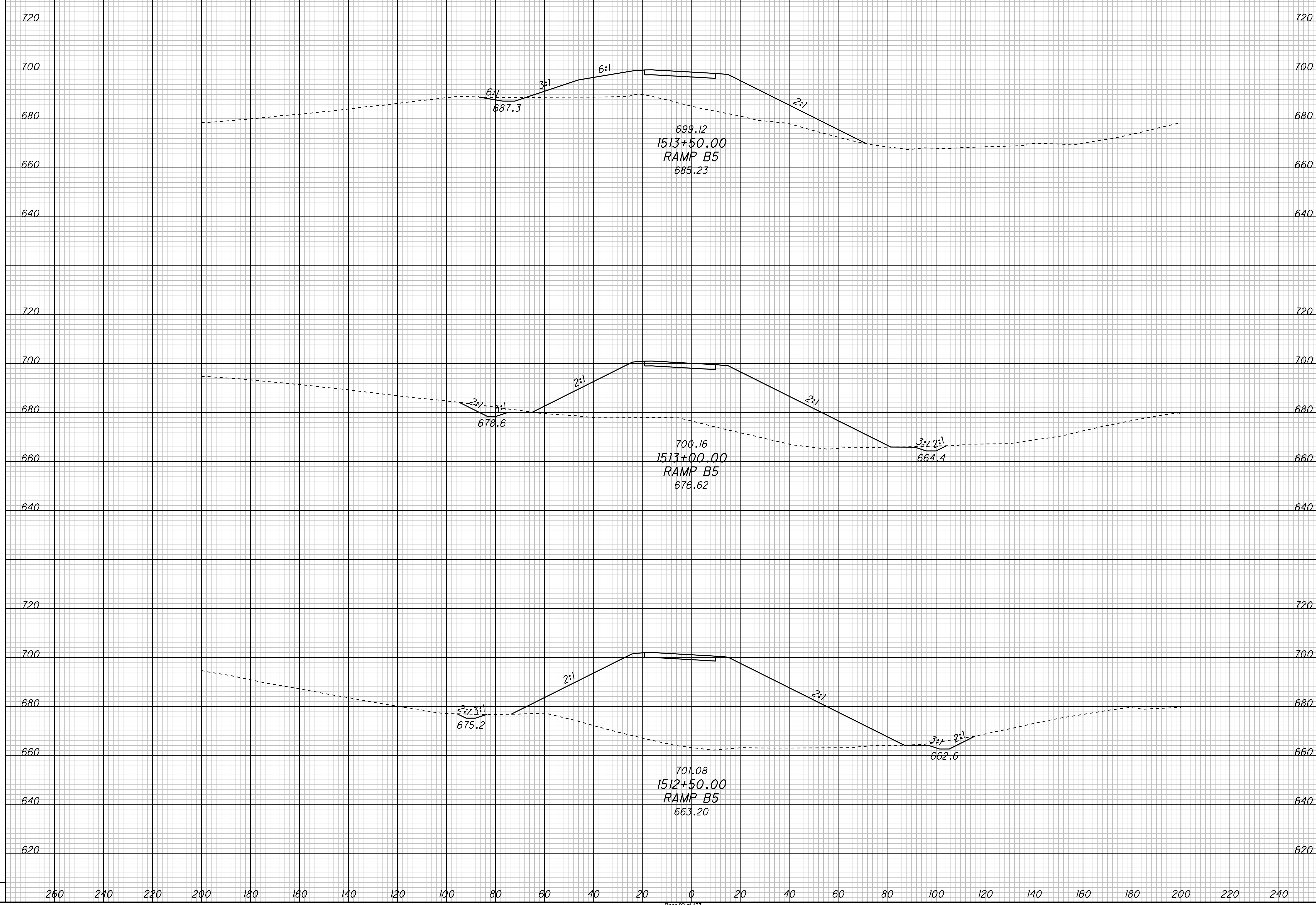


CROSS SECTIONS - CONTRACT GROUP 3
RAMP B5

CUY-90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

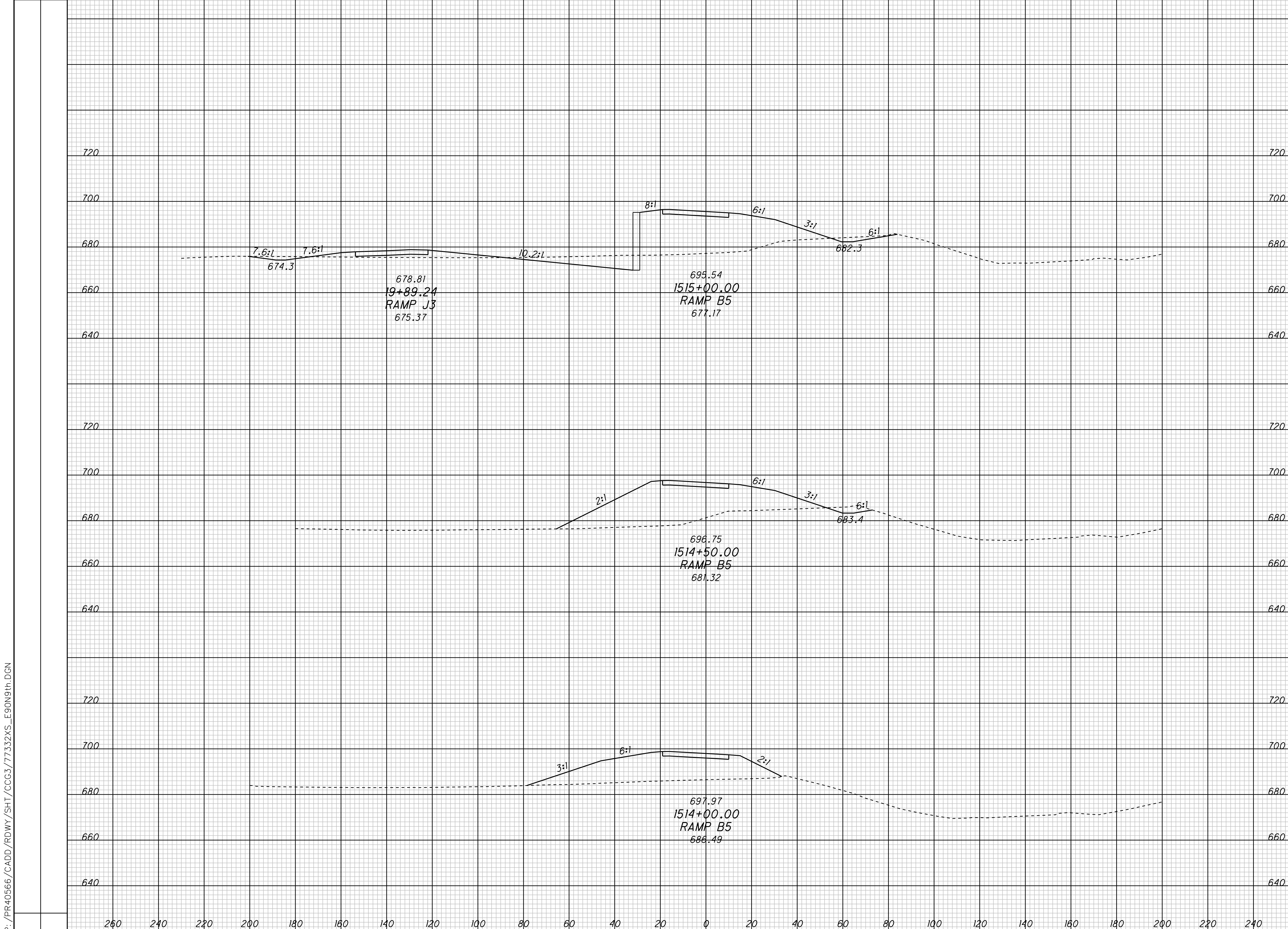


CROSS SECTIONS - CONTRACT GROUP 3
RAMP B5

CUY -90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



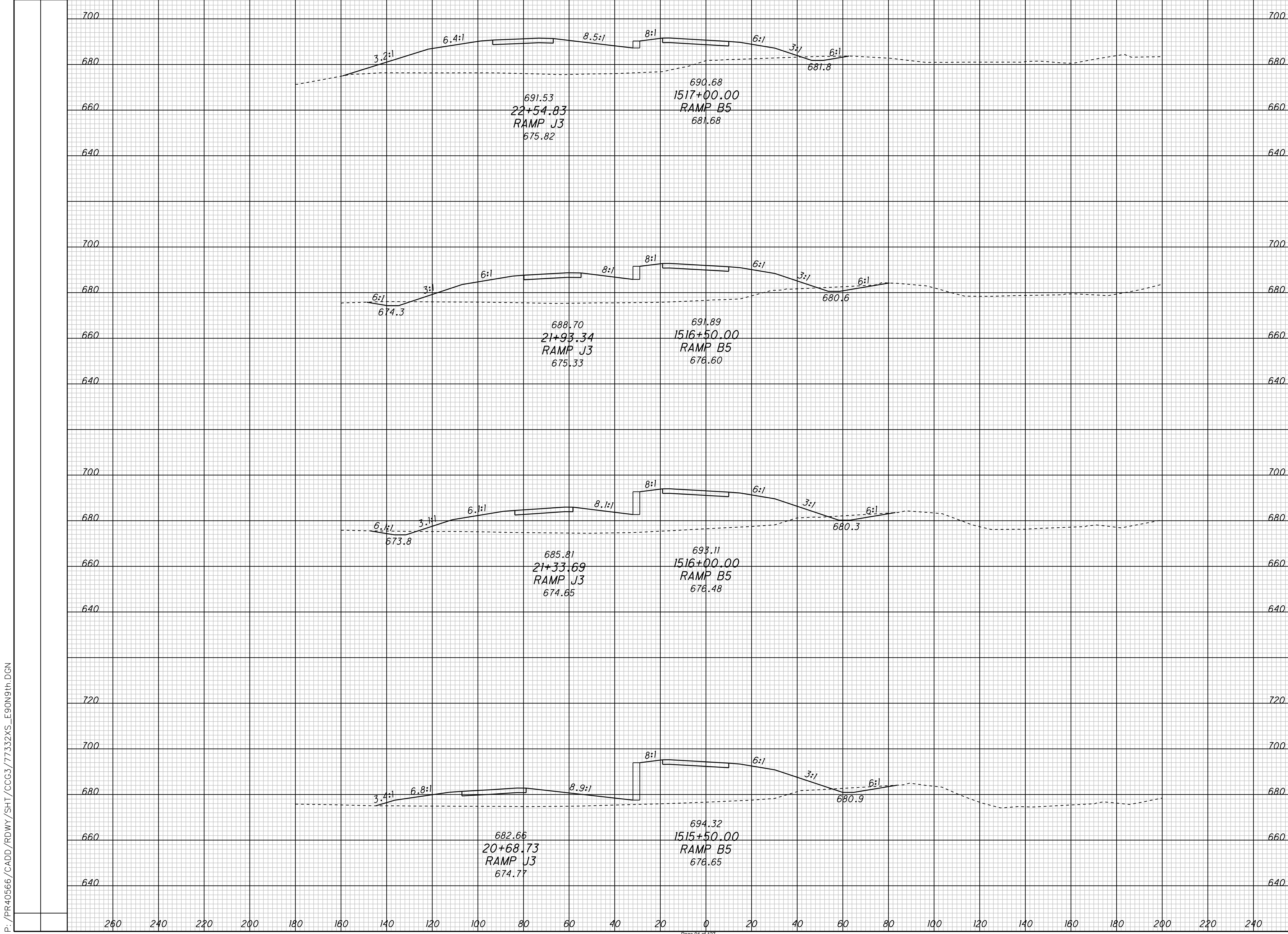
CROSS SECTIONS - CONTRACT GROUP 3
RAMP B5

CUY-90-14.90

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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
RAMP B5

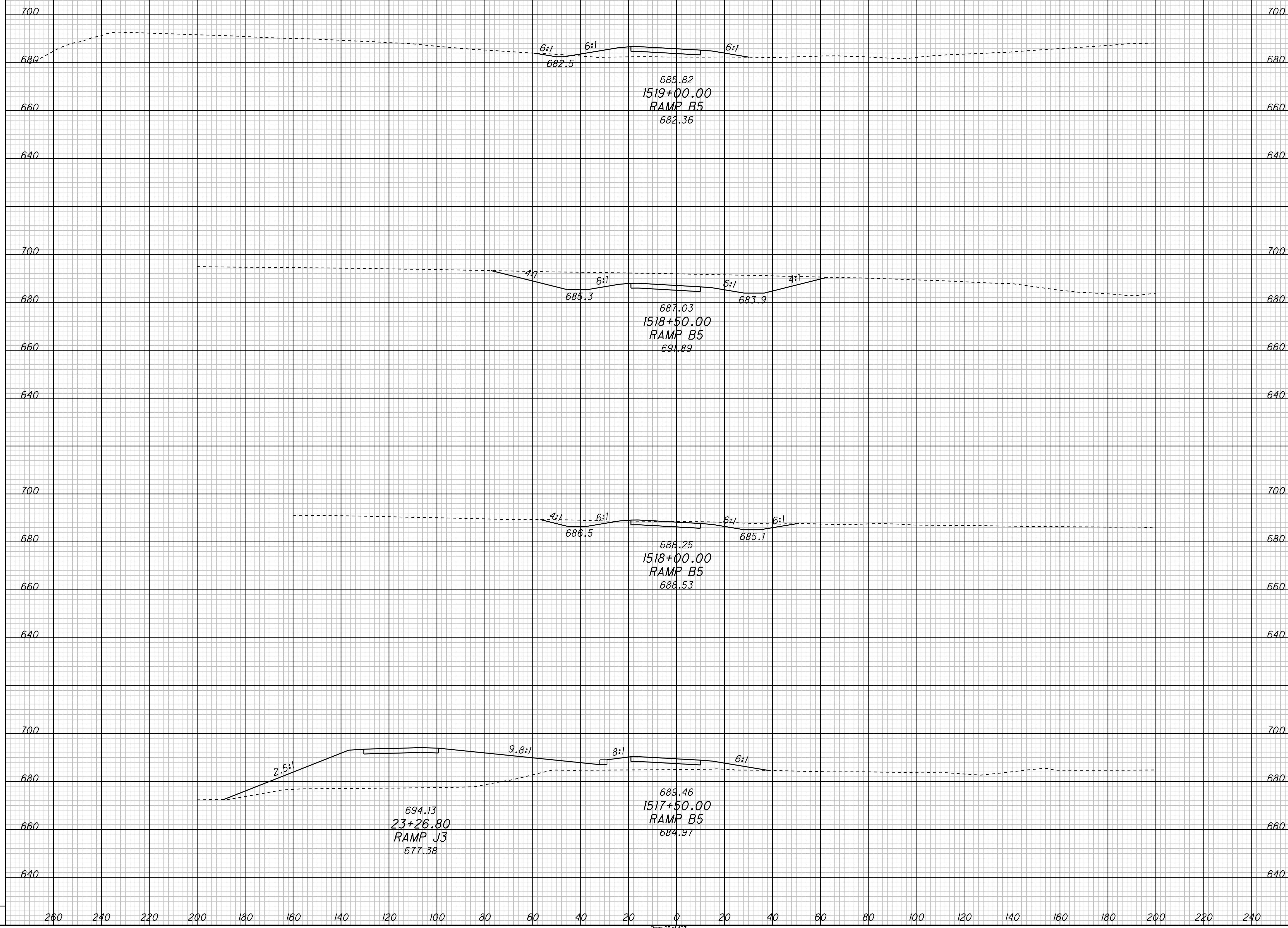
CUY -90-14.90

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SEEDING
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END AREA VOLUME
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CALCULATED CHECKED



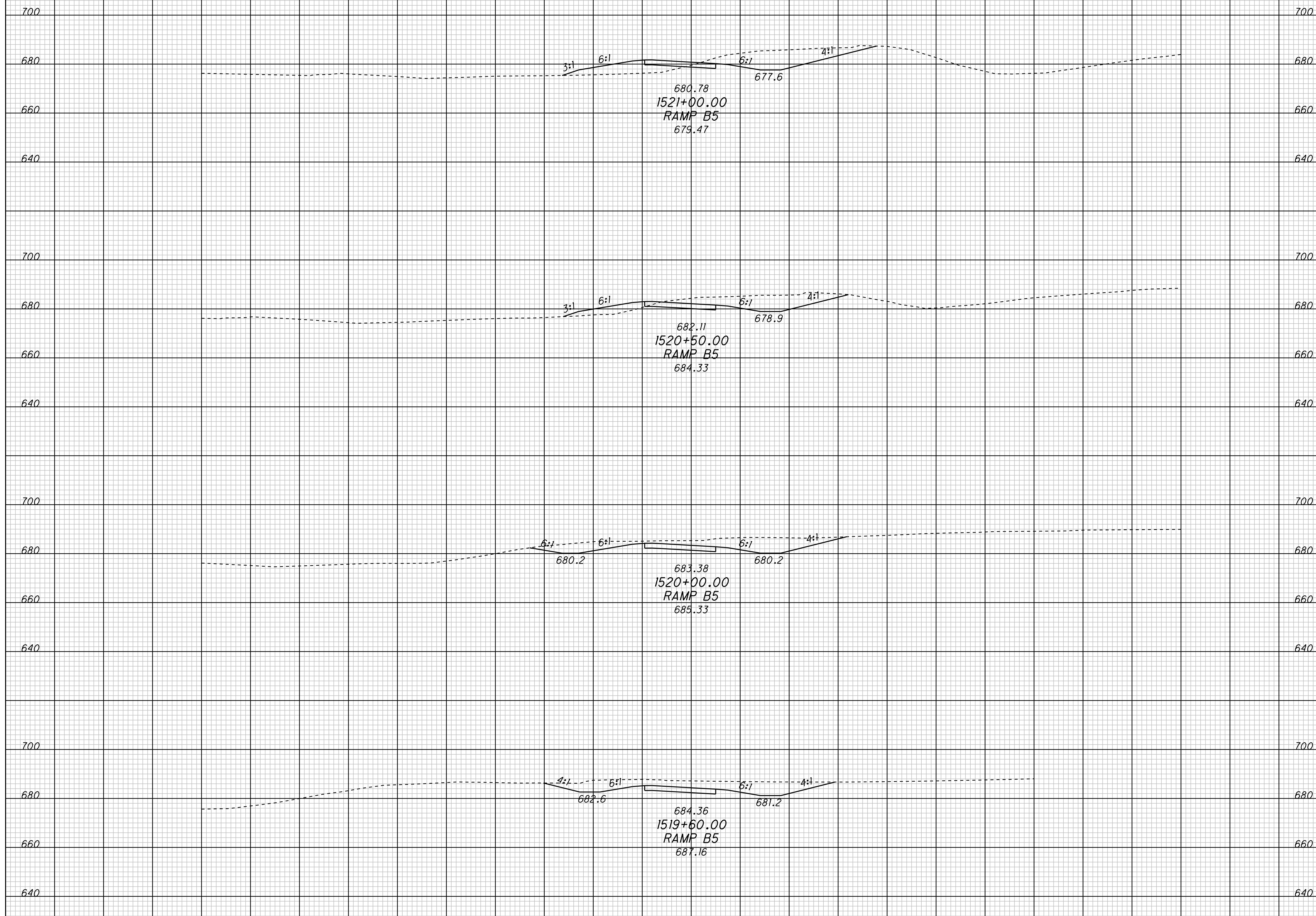
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RAMP B5

CUY -90-14.90

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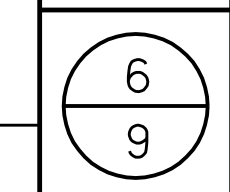
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END AREA VOLUME
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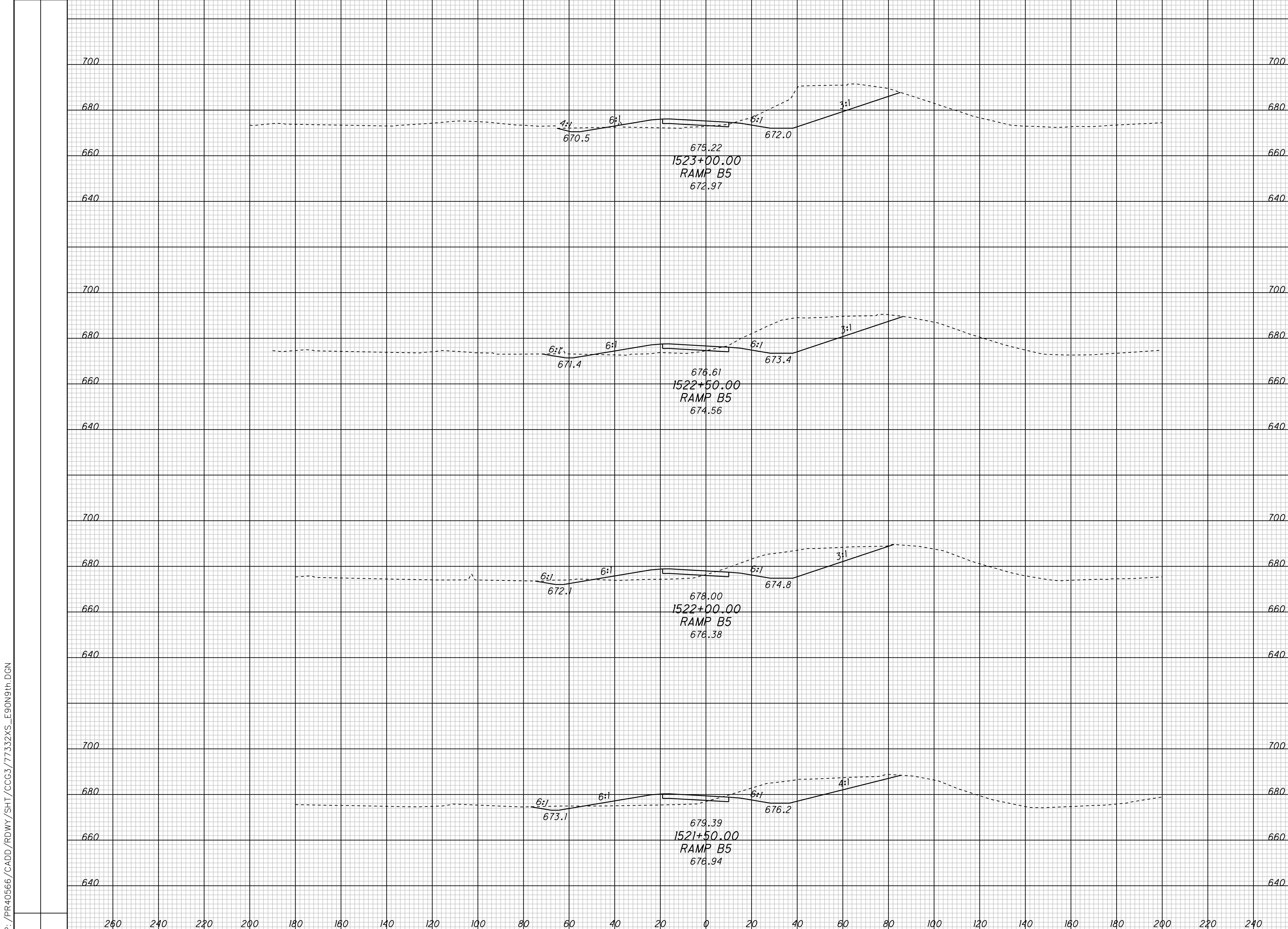
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RAMP B5

CUY-90-14.90



SEEDING
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END AREA VOLUME
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CALCULATED CHECKED



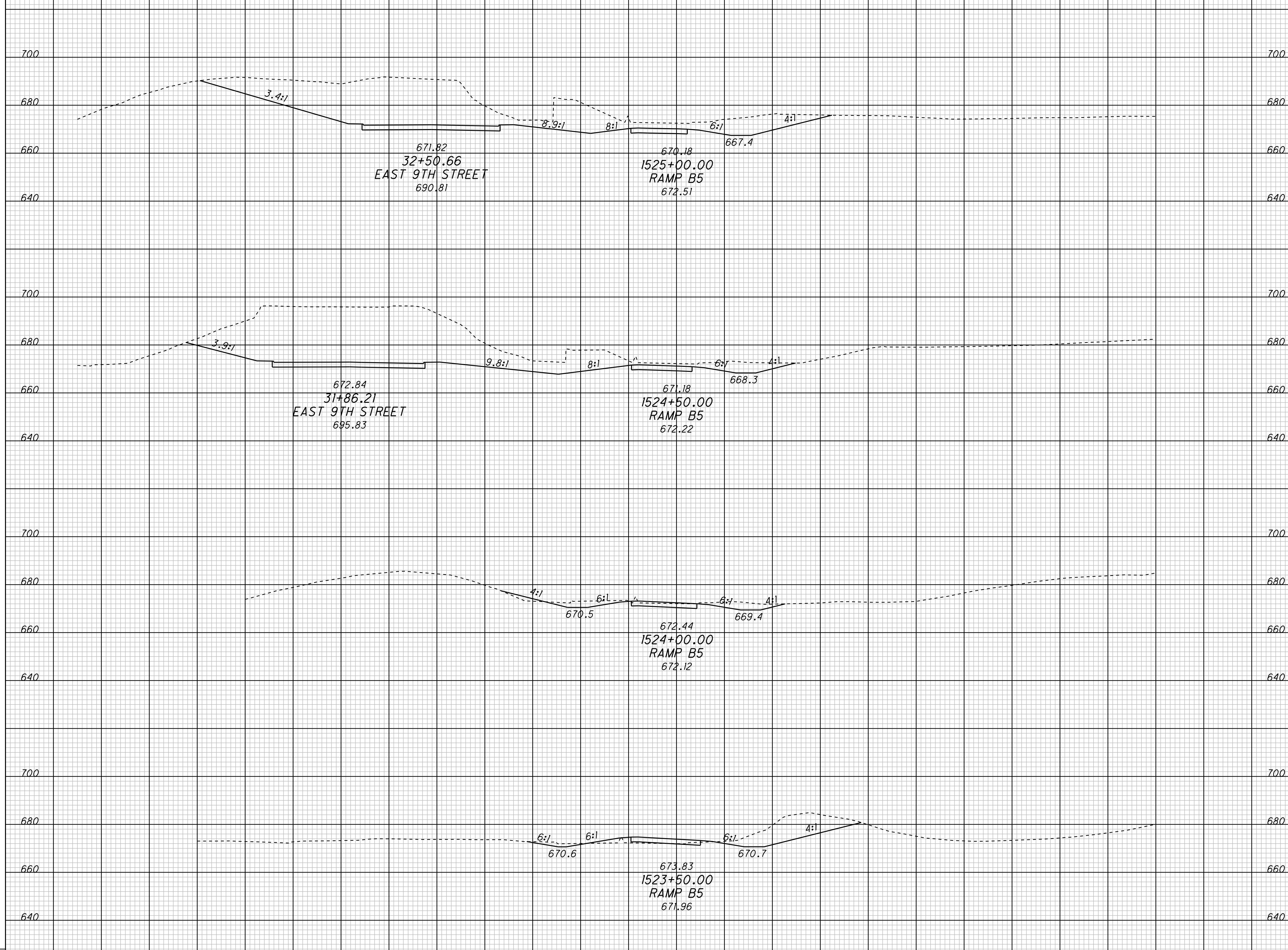
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RAMP B5

CUY -90-14.90

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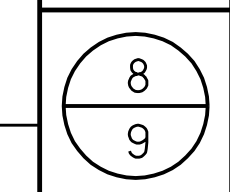
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CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
RAMP B5

CUY-90-14.90

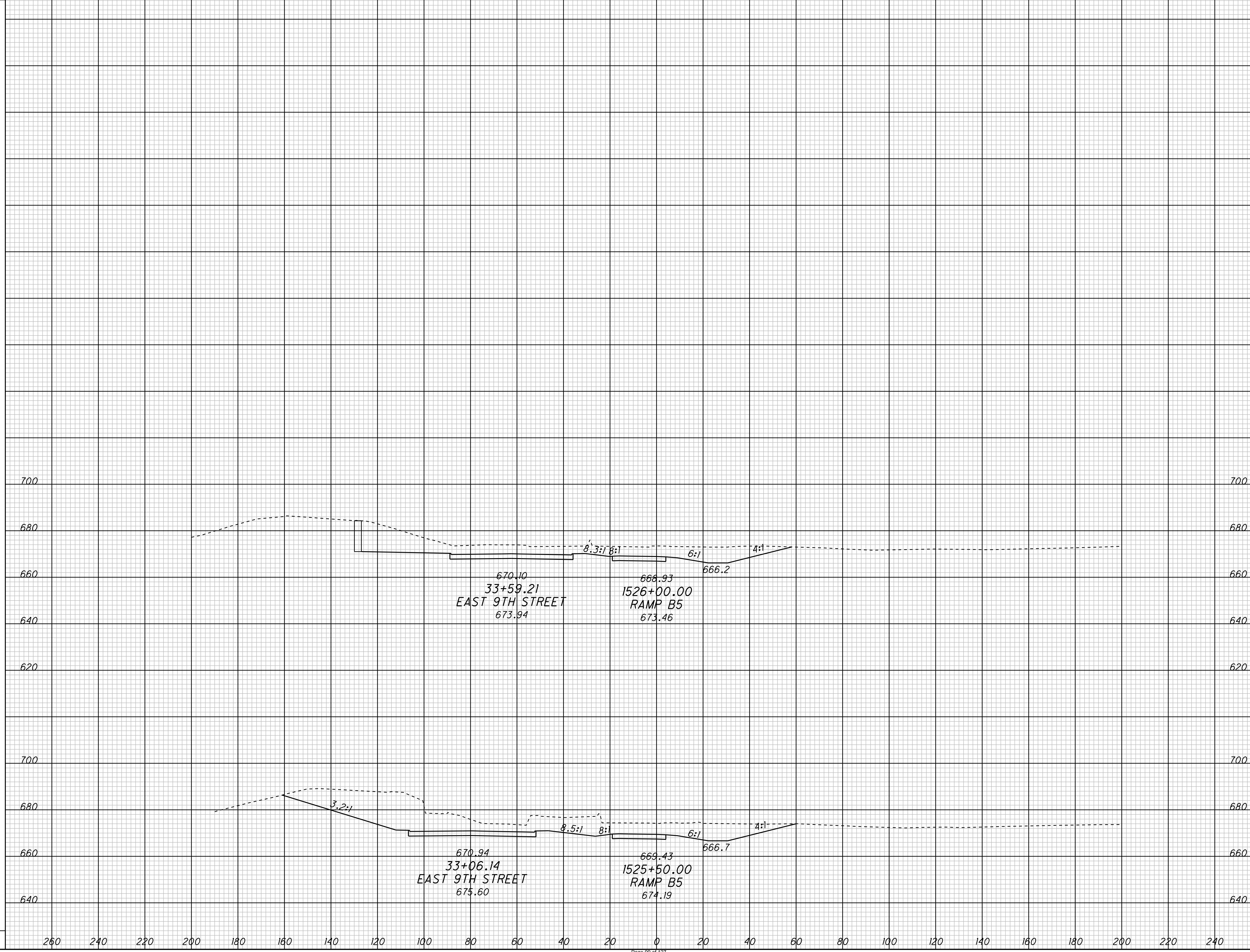


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SEEDING
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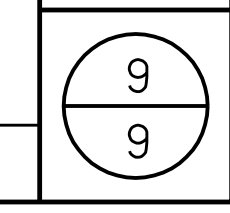
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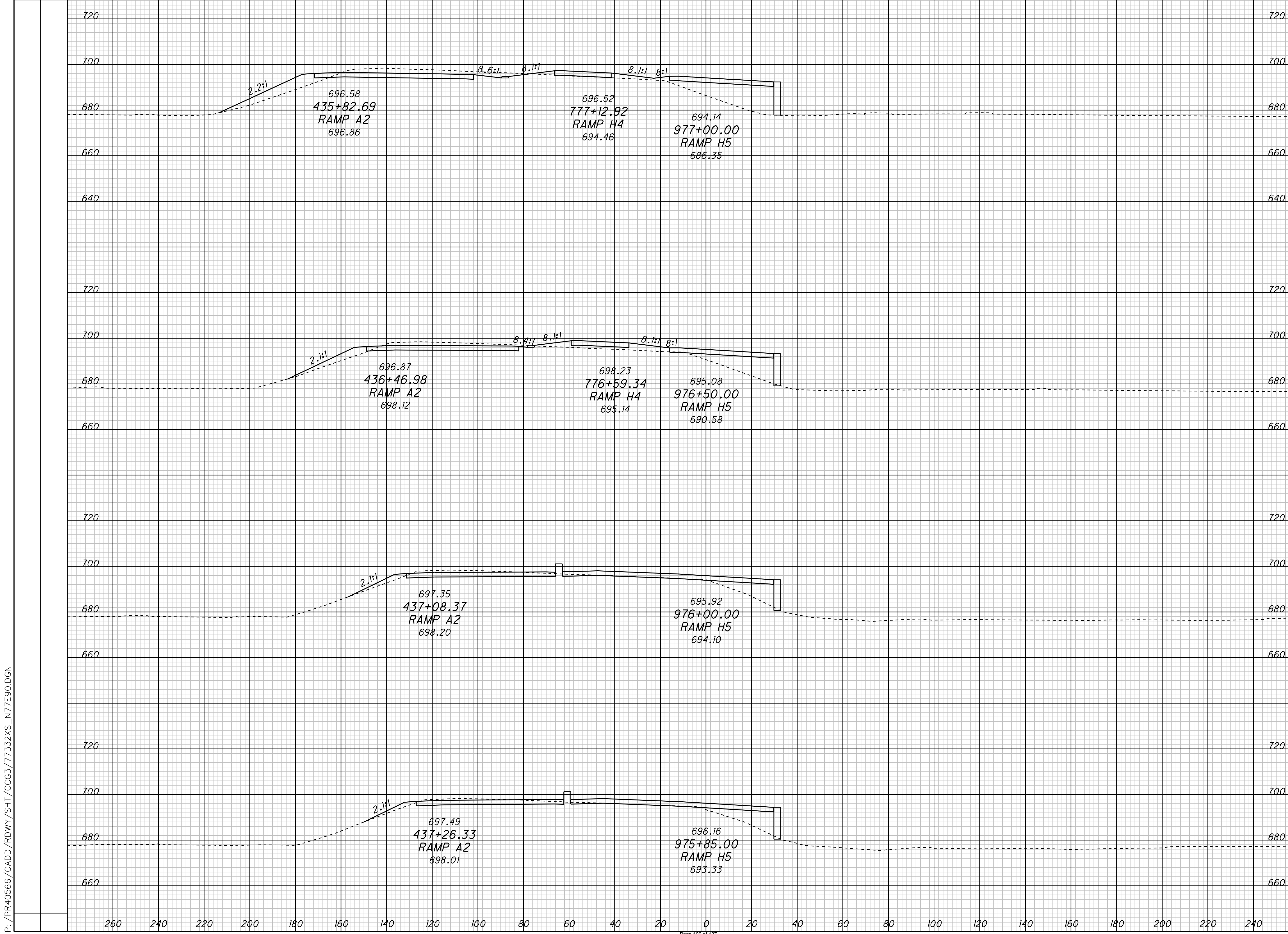
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RAMP B5

CUY -90-14.90



SEEDING
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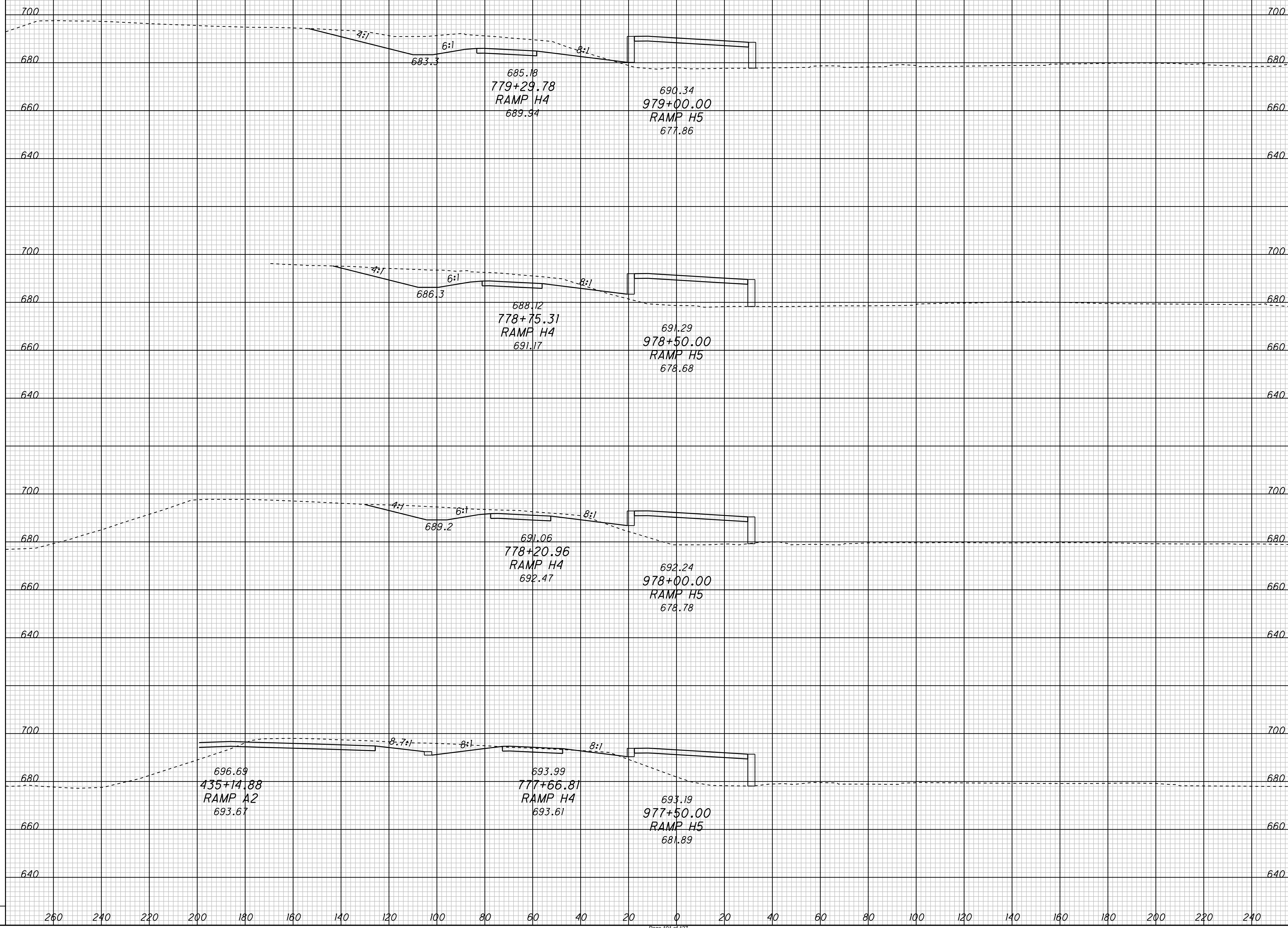


CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY -90-14.90

SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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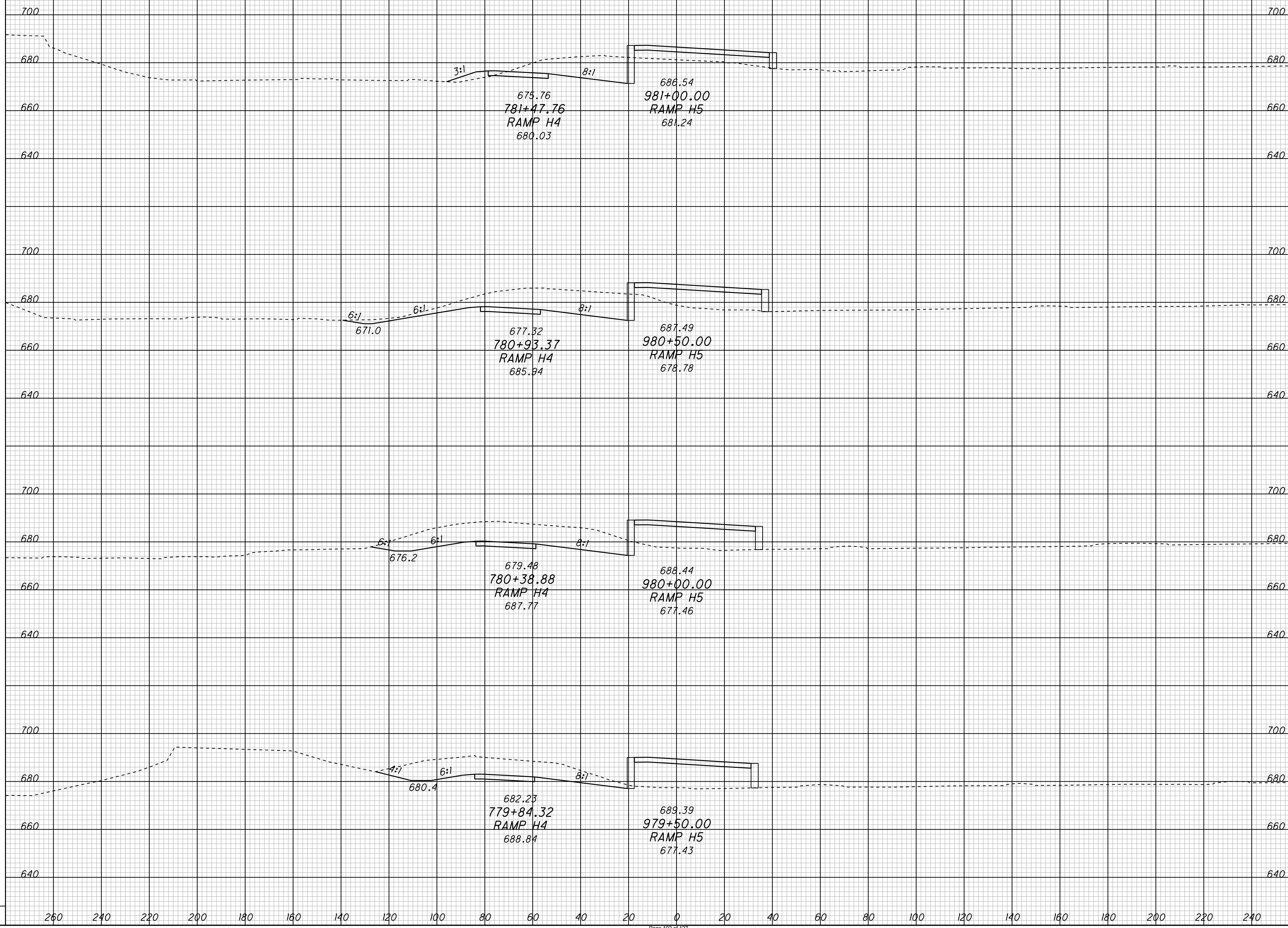
CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY-90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
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CALCULATED CHECKED

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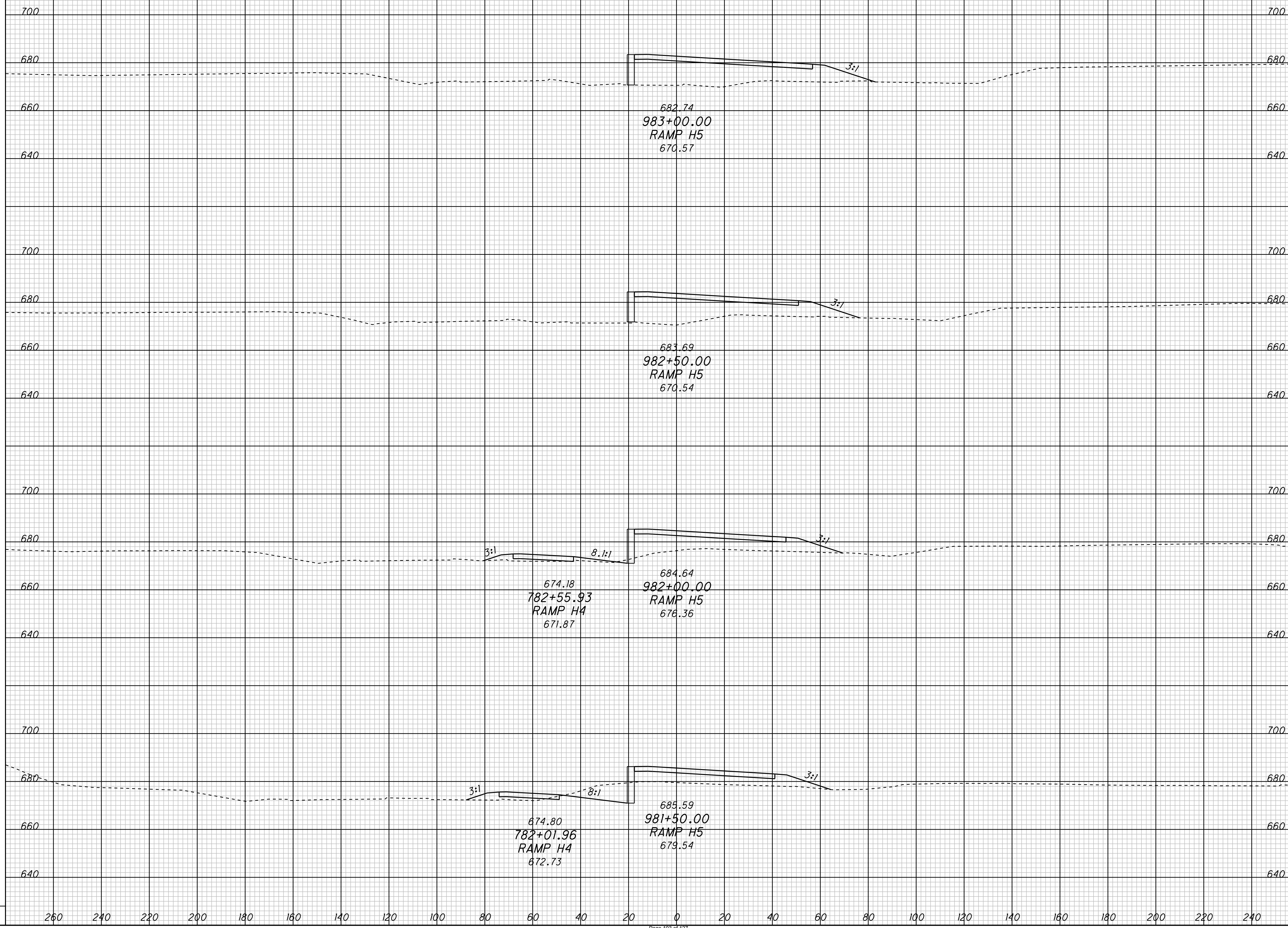


CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY-90-14.90

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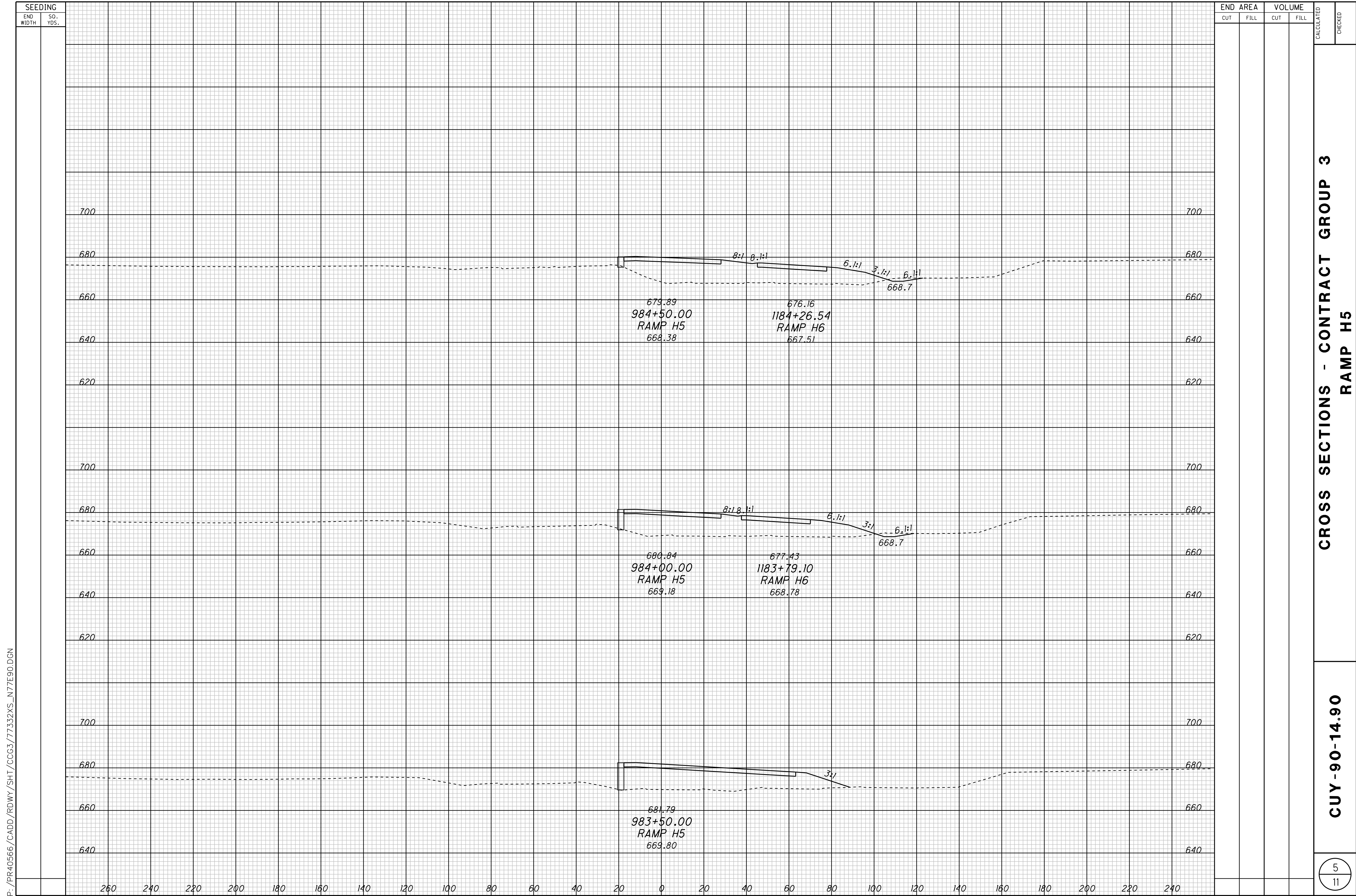
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CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY-90-14.90



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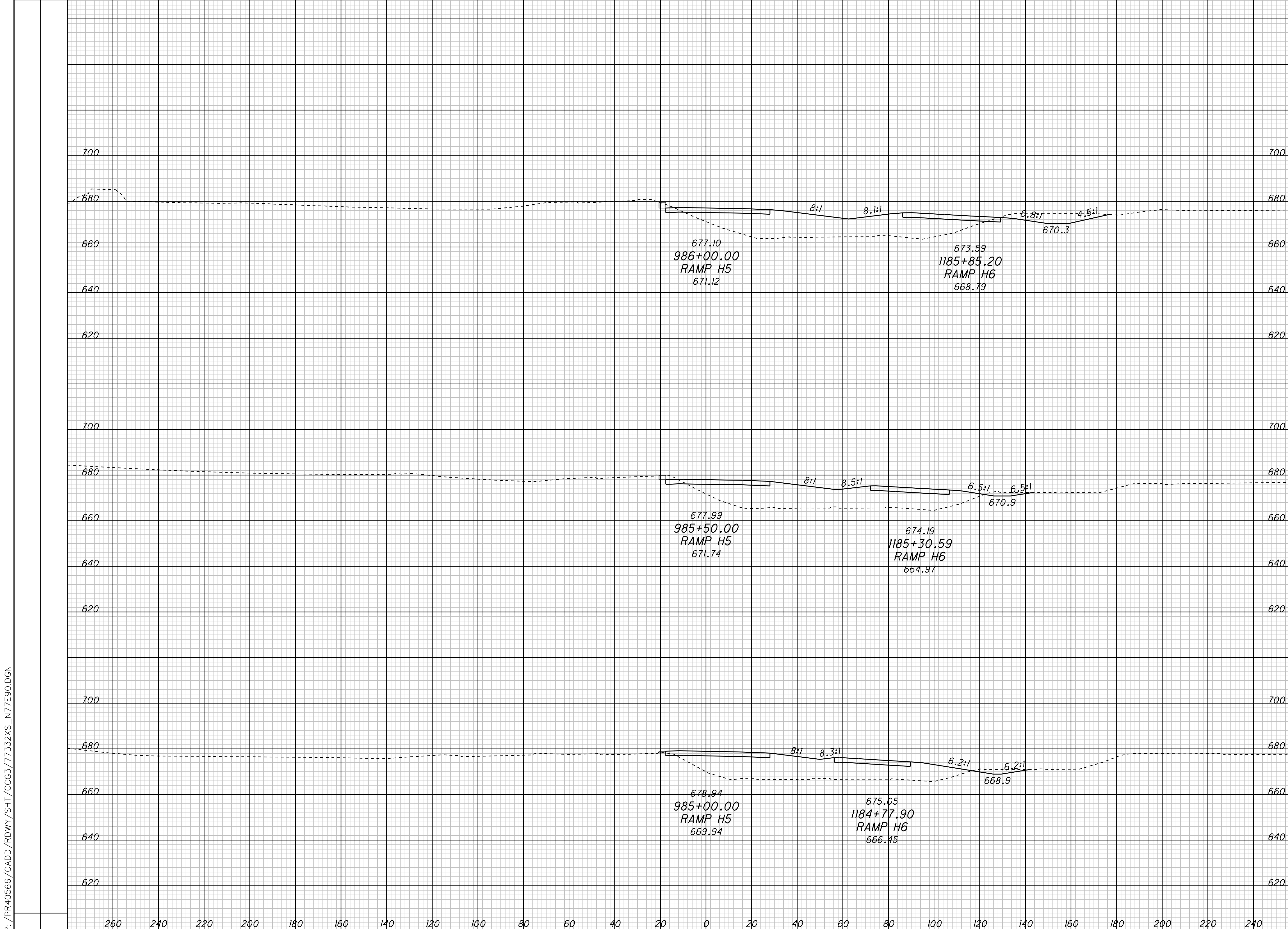
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END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5**

CUY -90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

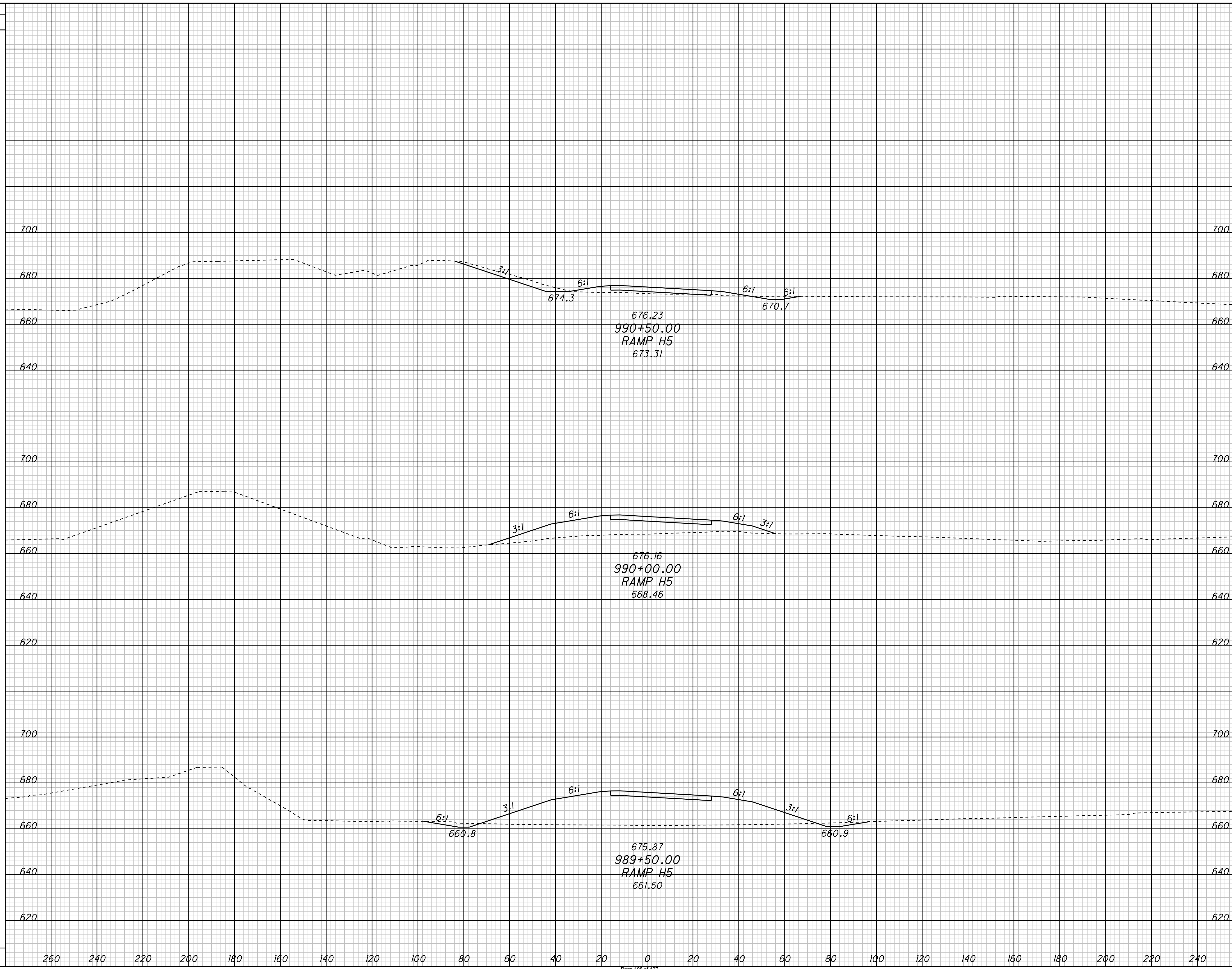


CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY-90-14.90

SEEDING
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END AREA VOLUME
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CALCULATED CHECKED

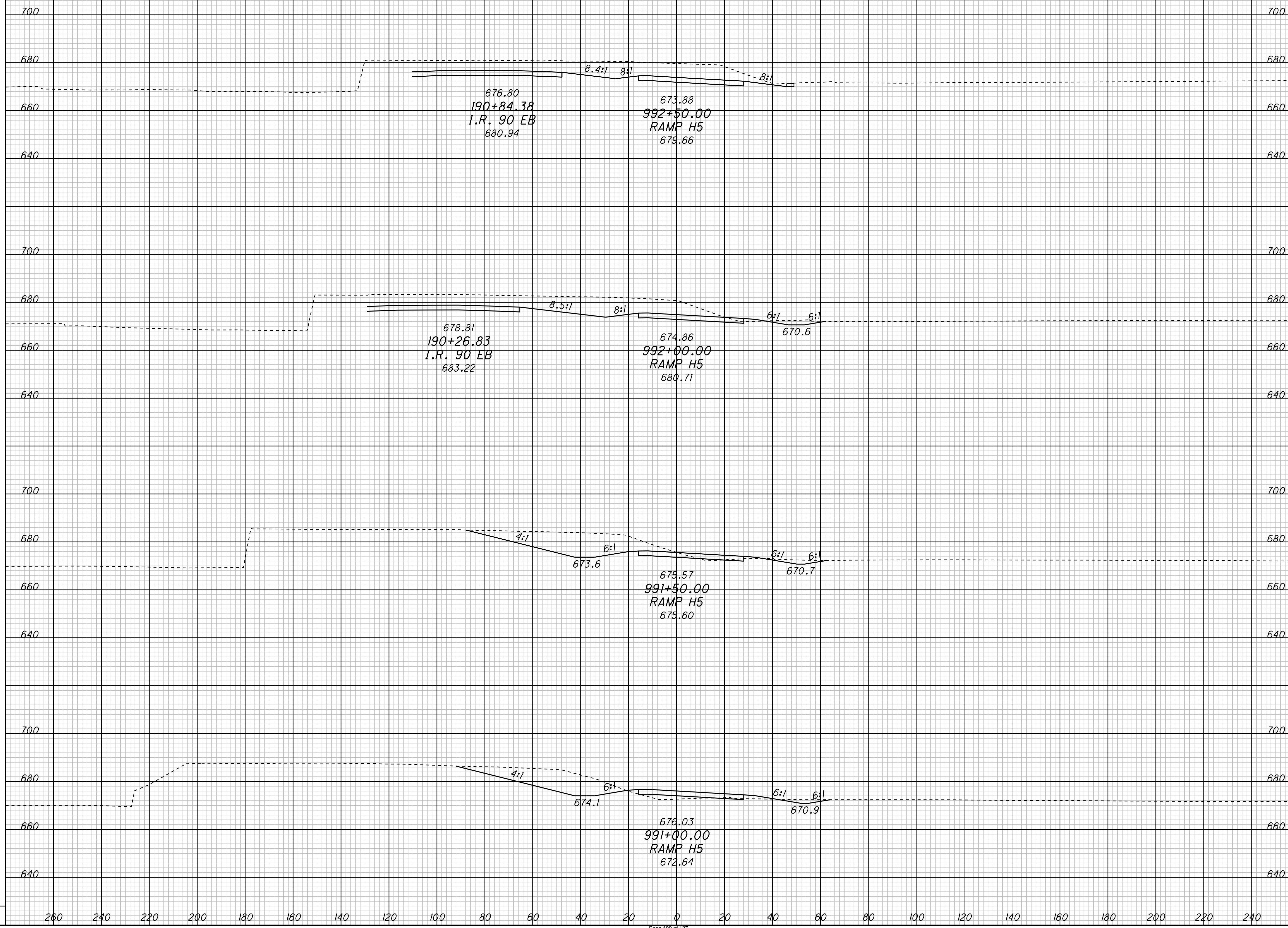


CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY-90-14.90

SEEDING
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END AREA VOLUME
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CALCULATED CHECKED

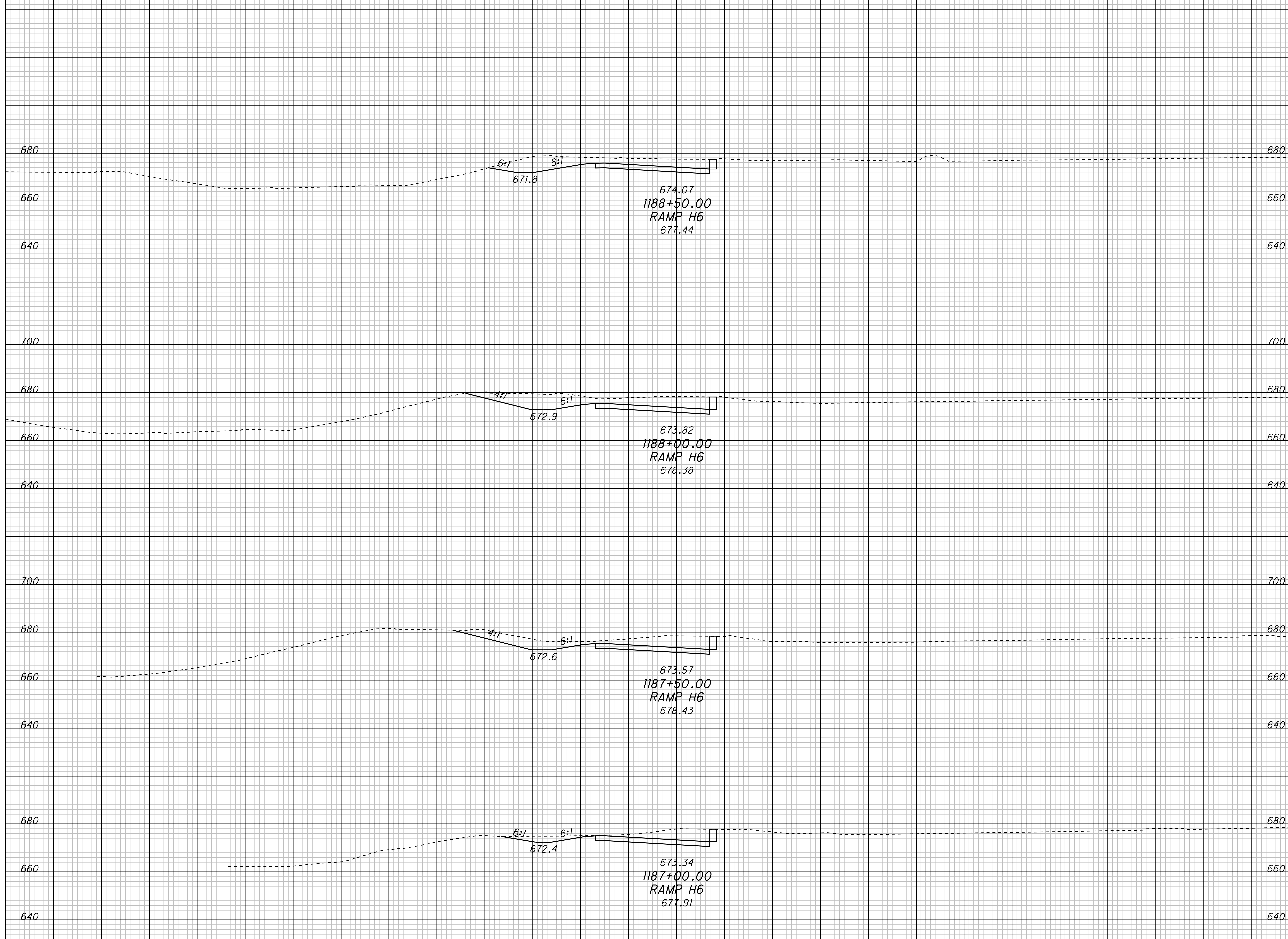


CROSS SECTIONS - CONTRACT GROUP 3
RAMP H5

CUY -90-14.90

SEEDING
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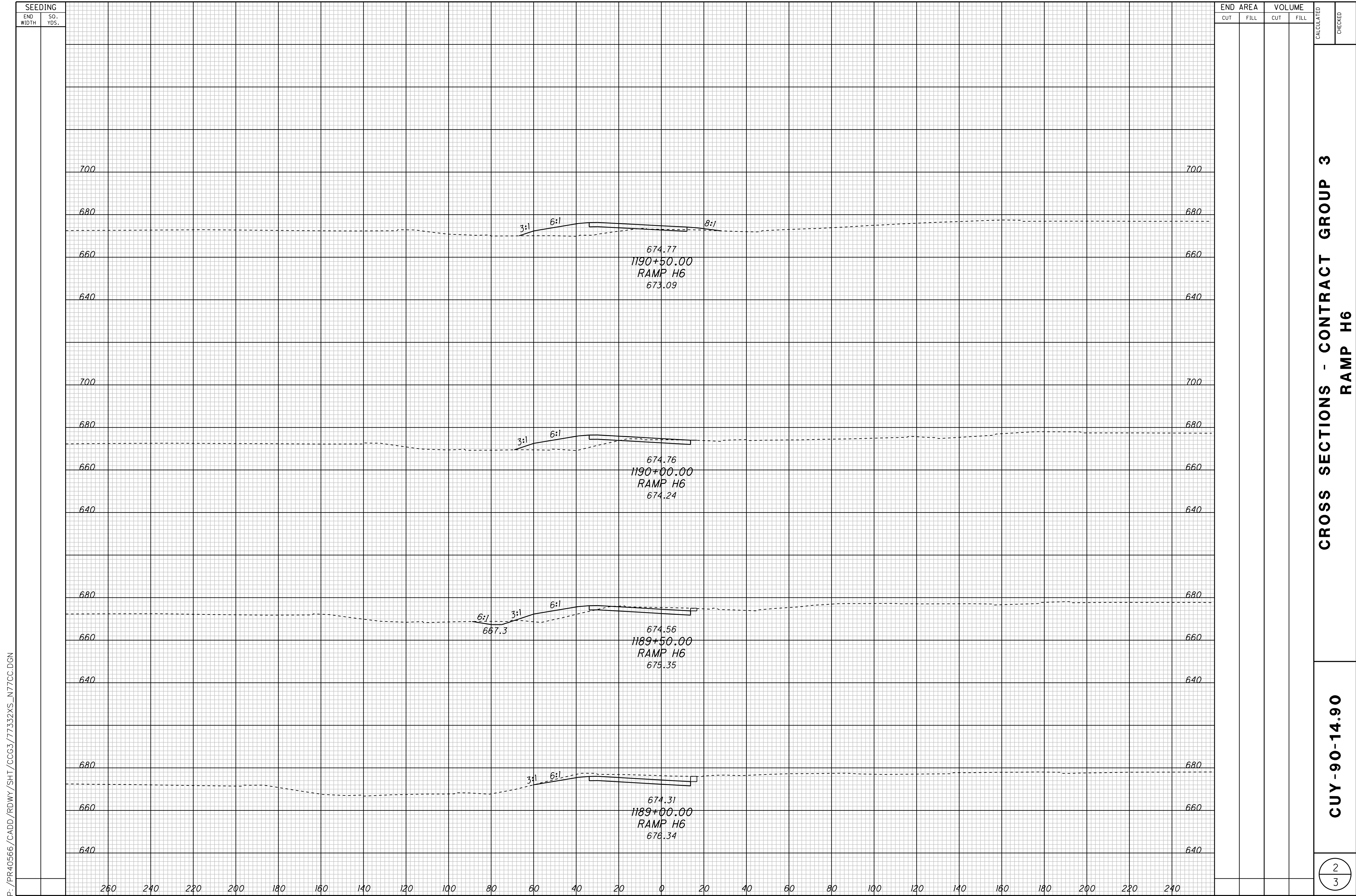
END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
RAMP H6

CUY -90-14.90

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CROSS SECTIONS - CONTRACT GROUP 3
RAMP H6

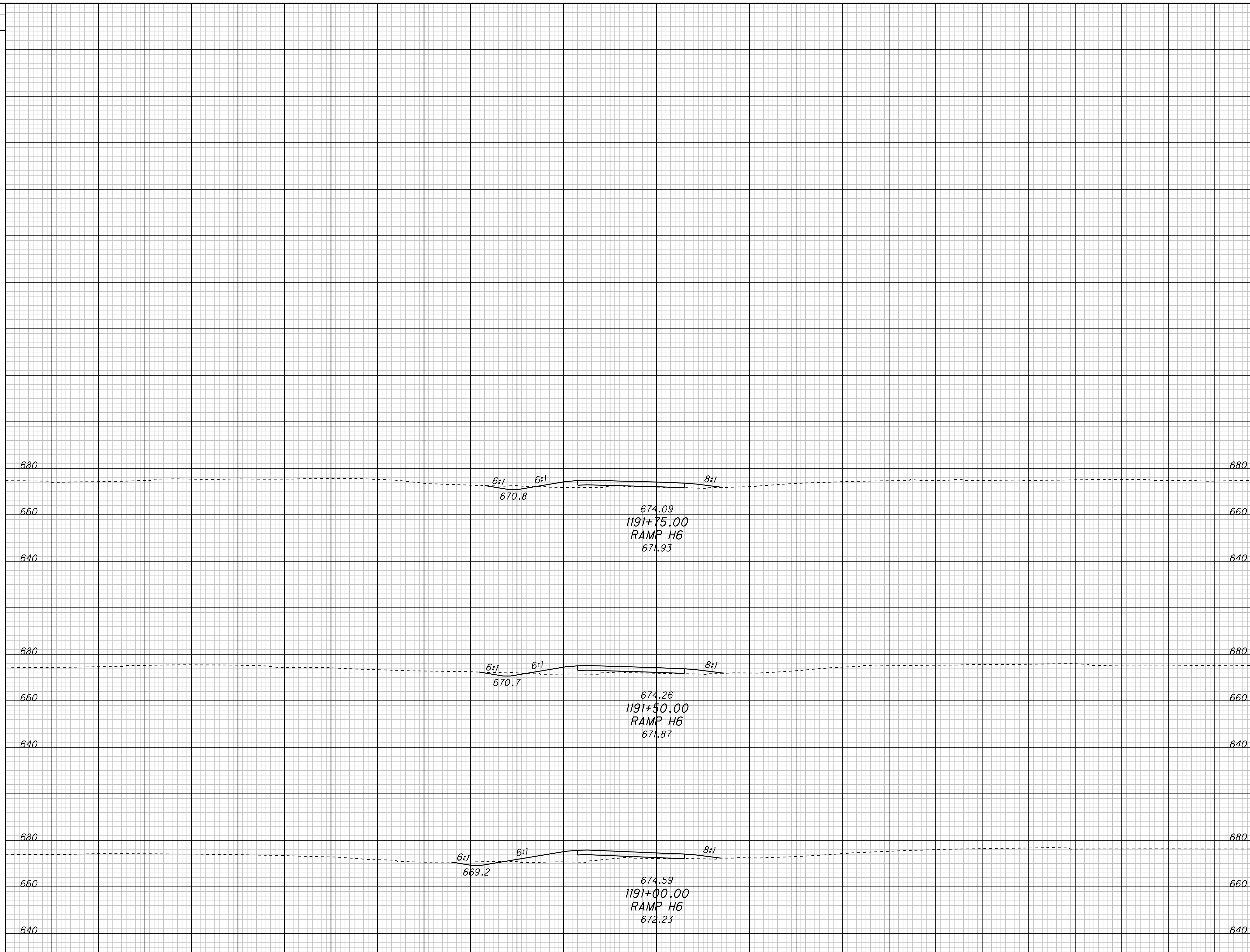
CUY -90-14.90

SEEDING

END WIDTH SO. YDS.

END AREA VOLUME

CUT FILL CUT FILL CALCULATED CHECKED



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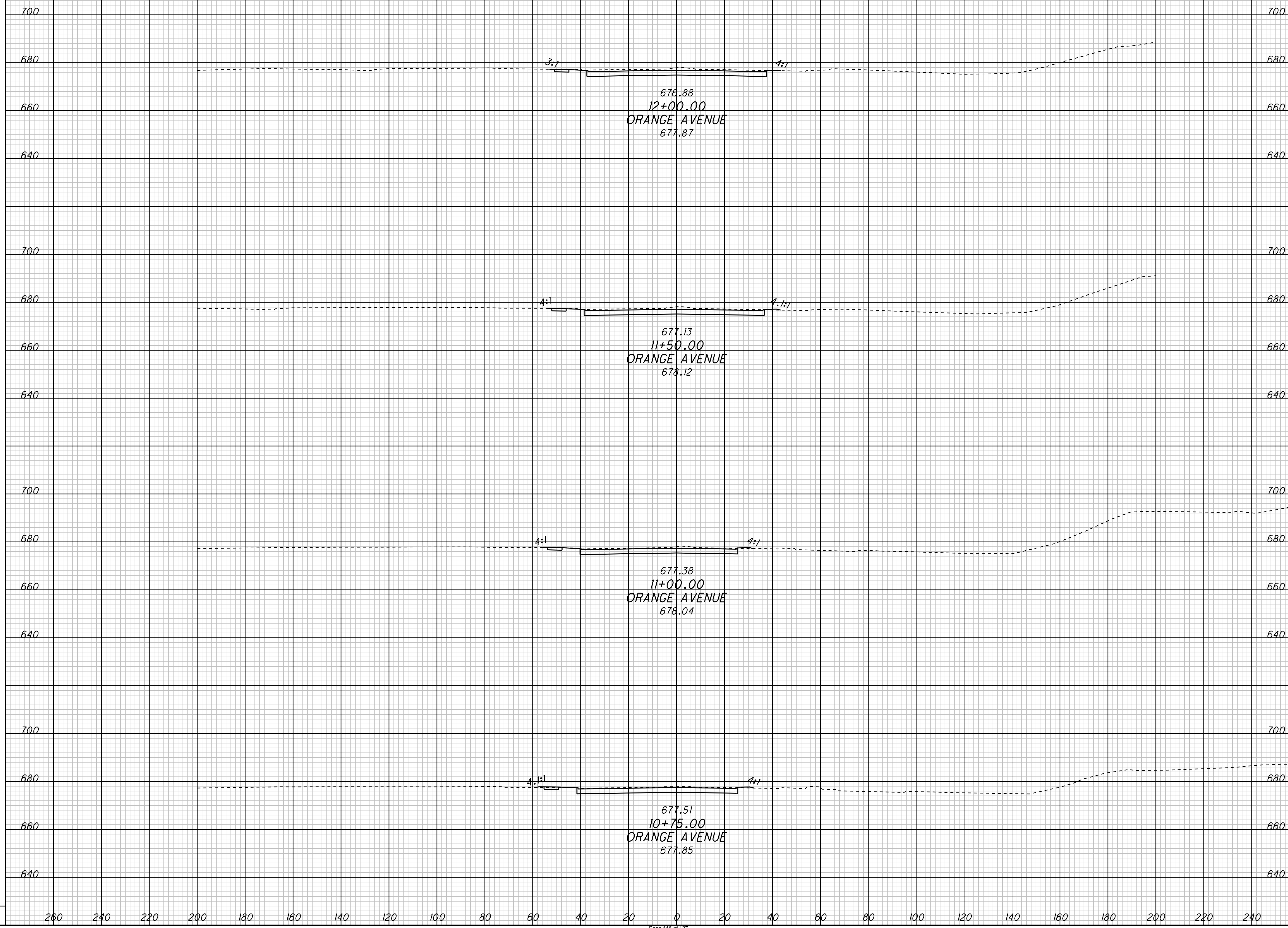
CROSS SECTIONS - CONTRACT GROUP 3
RAMP H6

CUY -90-14.90

3
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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



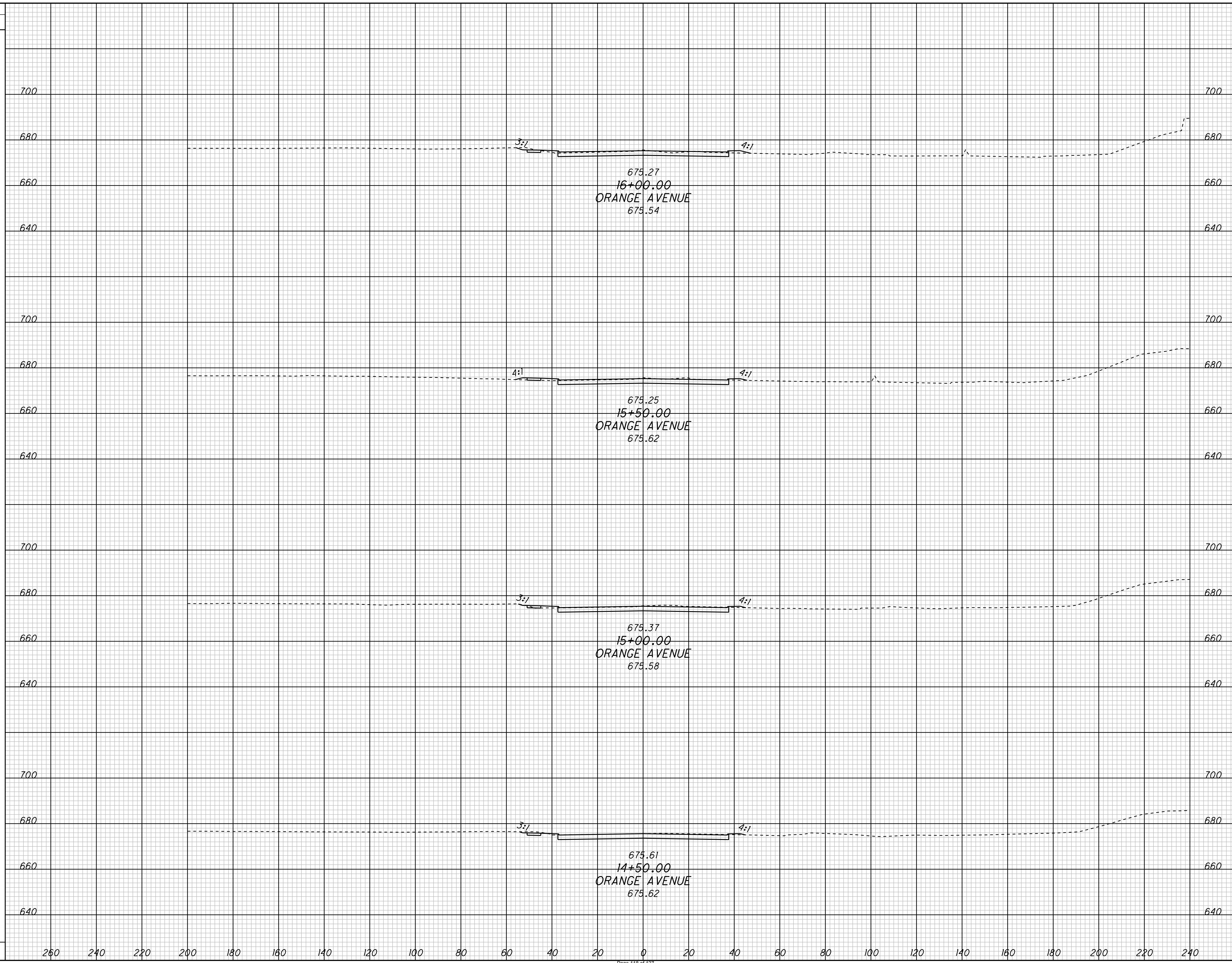
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CROSS SECTIONS - CONTRACT GROUP 3
ORANGE AVENUE

CUY-90-14.90

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CROSS SECTIONS - CONTRACT GROUP 3
ORANGE AVENUE

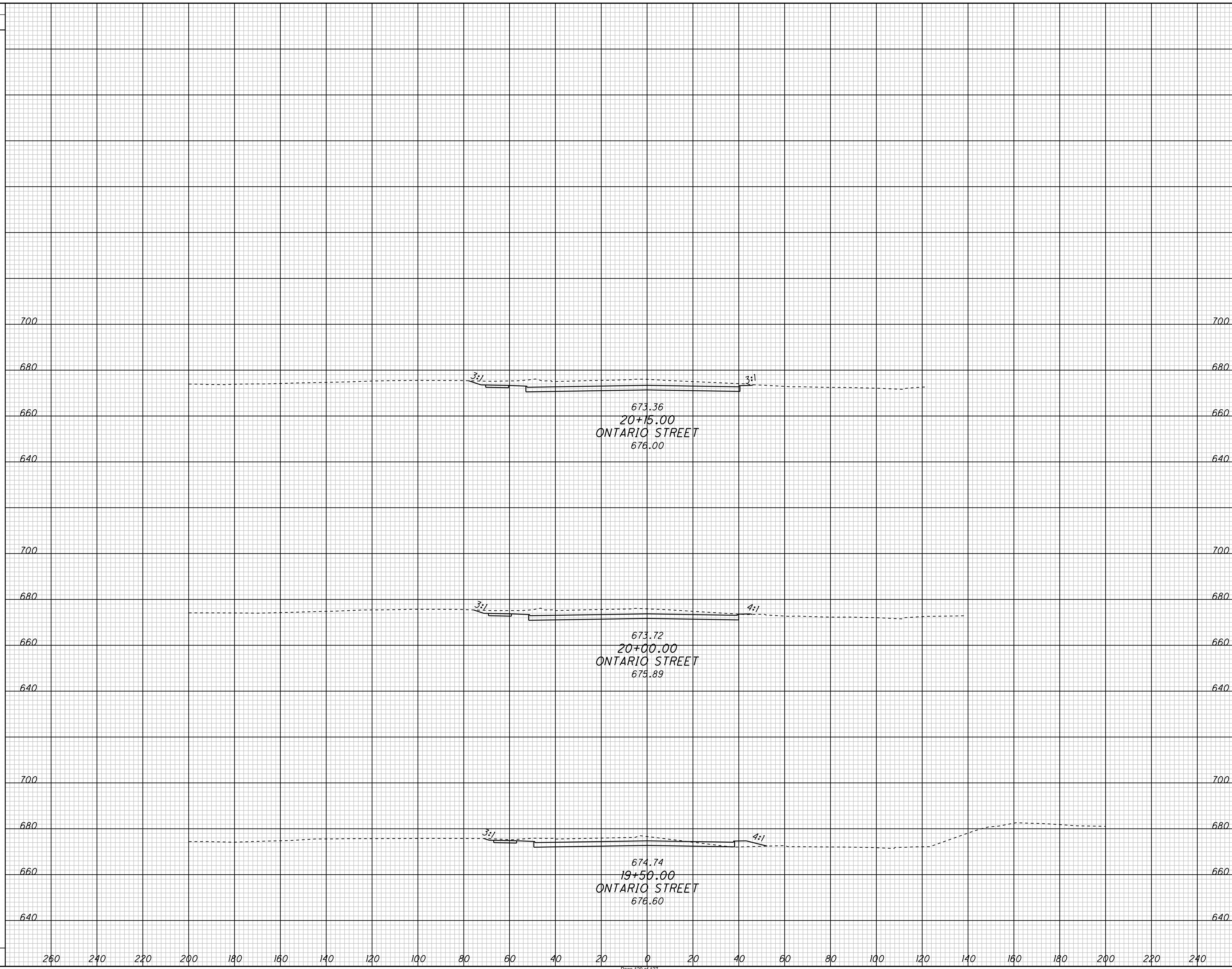
CUY -90-14.90

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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

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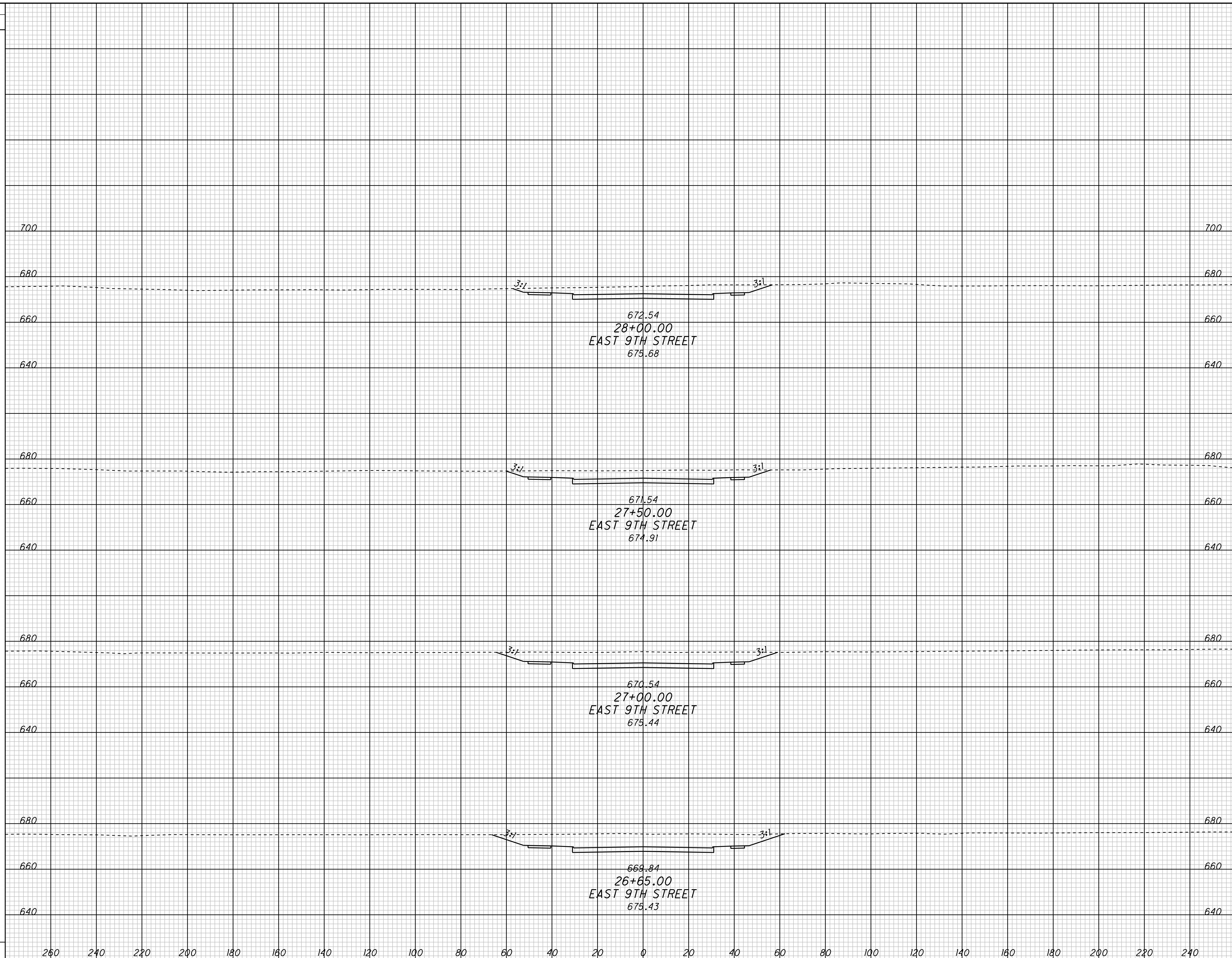


CROSS SECTIONS - CONTRACT GROUP 3
ONTARIO STREET

CUY -90-14.90

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

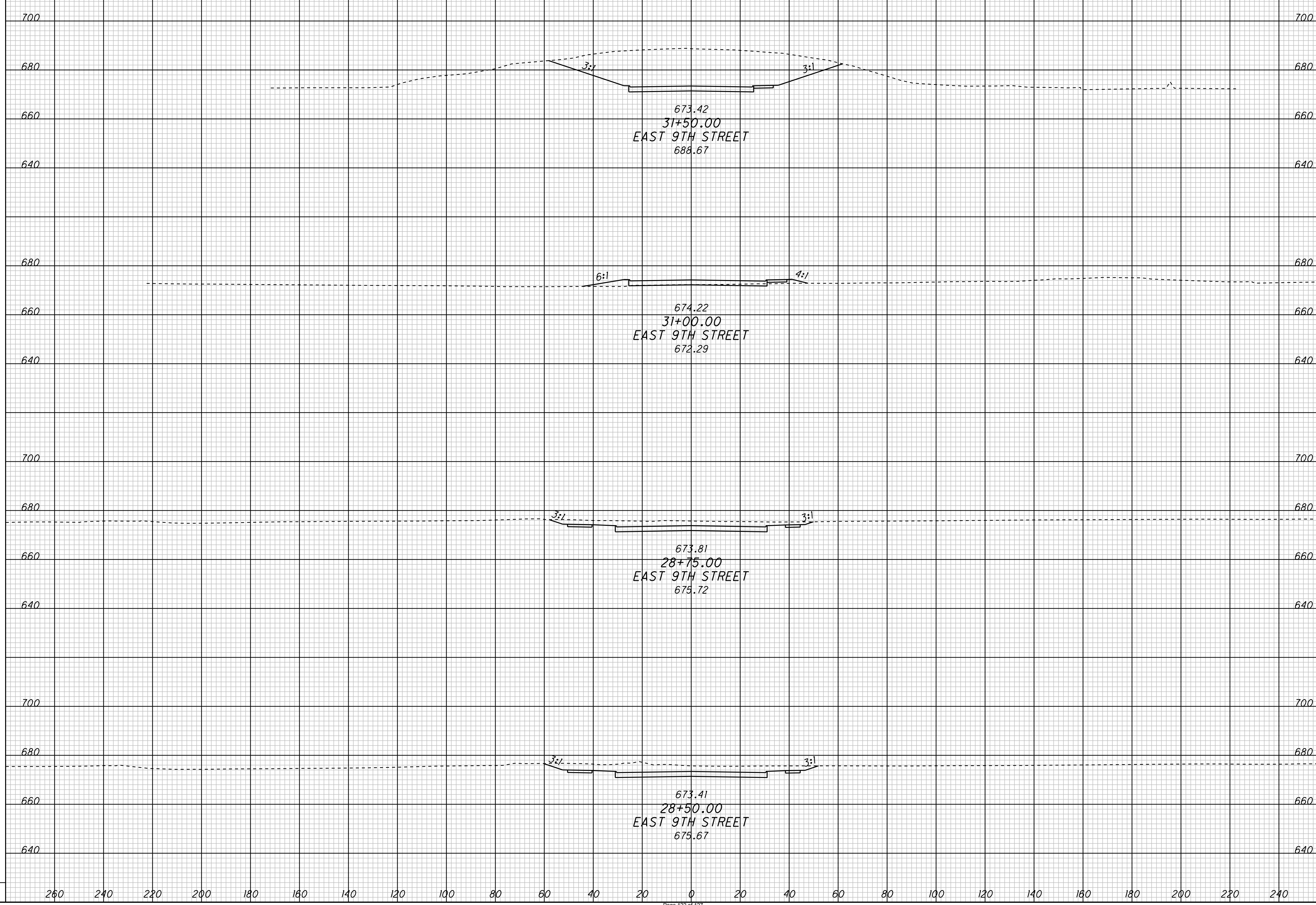
CROSS SECTIONS - CONTRACT GROUP 3
EAST 9TH STREET

CUY -90-14.90

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7

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



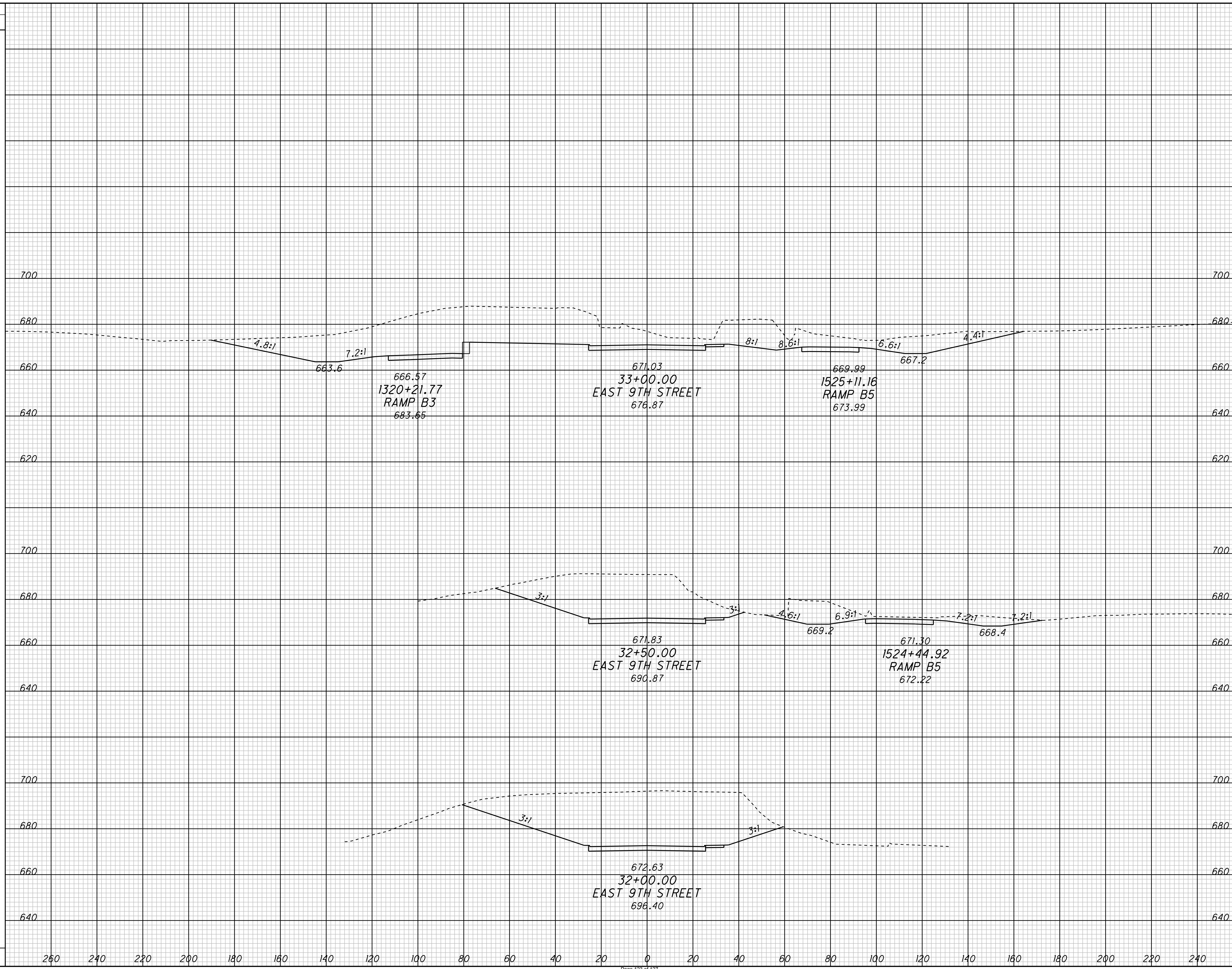
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CROSS SECTIONS - CONTRACT GROUP 3
EAST 9TH STREET

CUY -90-14.90

SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



CROSS SECTIONS - CONTRACT GROUP 3
EAST 9TH STREET

CUY -90-14.90

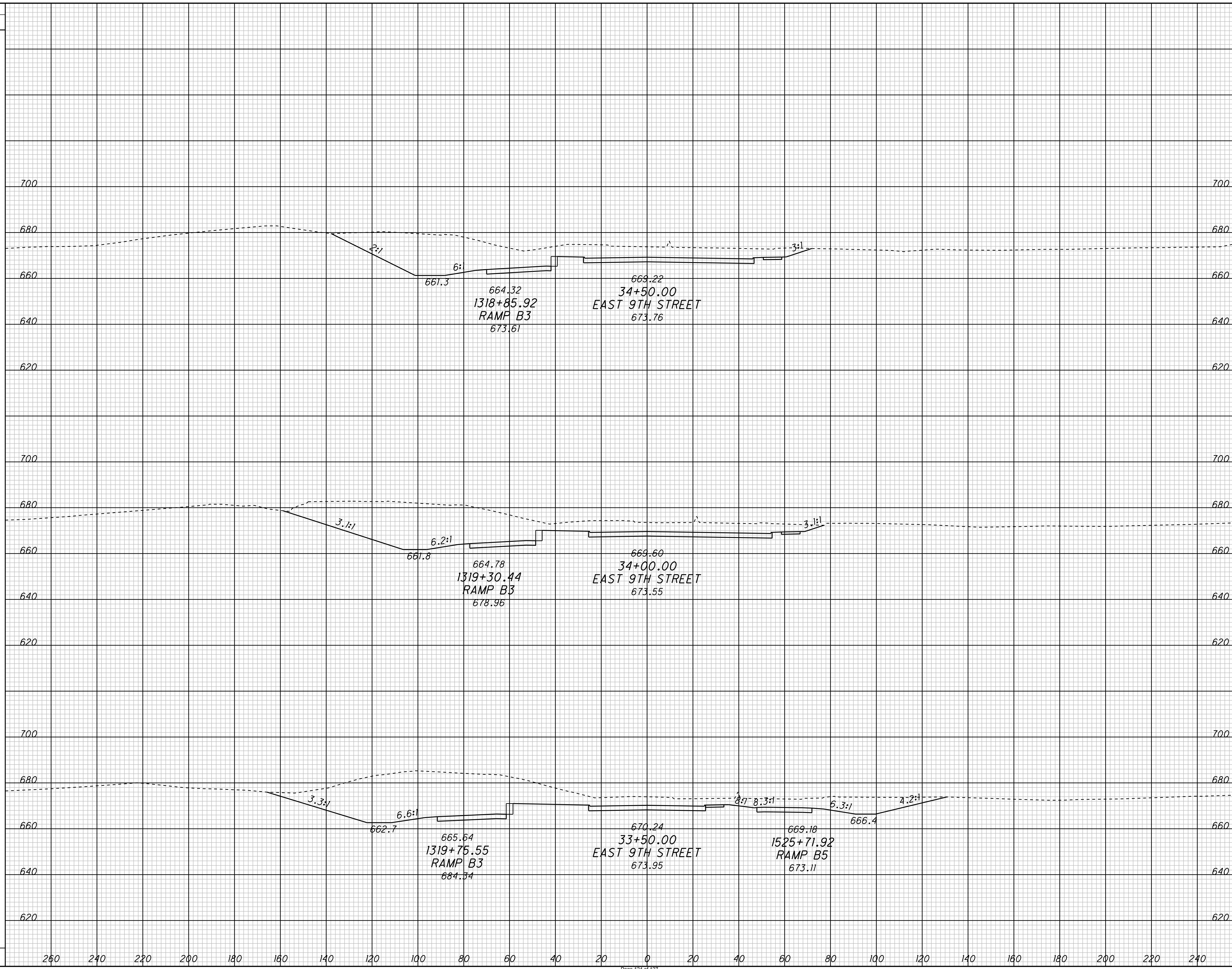
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SEEDING
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END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED

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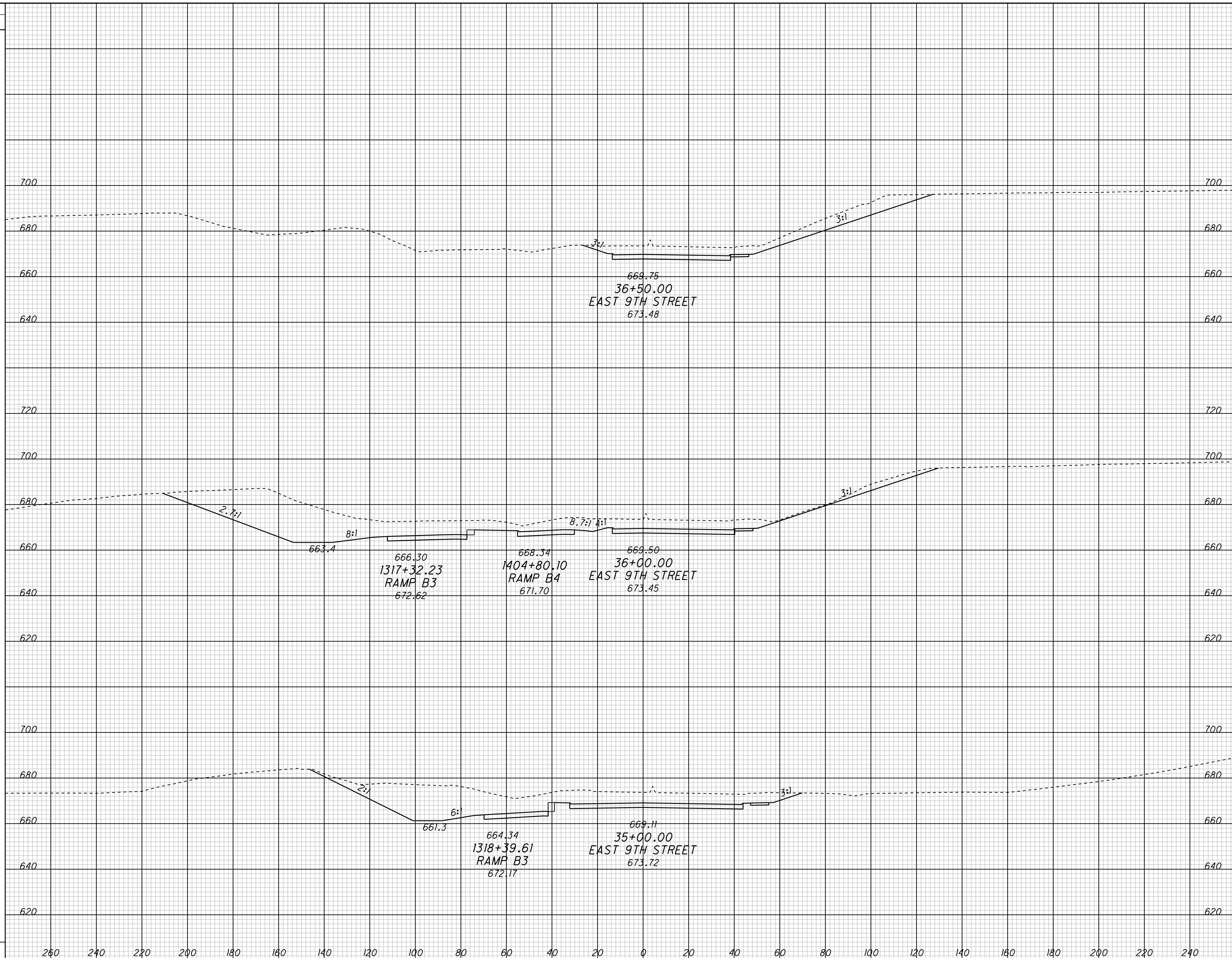


CROSS SECTIONS - CONTRACT GROUP 3
EAST 9TH STREET

CUY -90-14.90

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

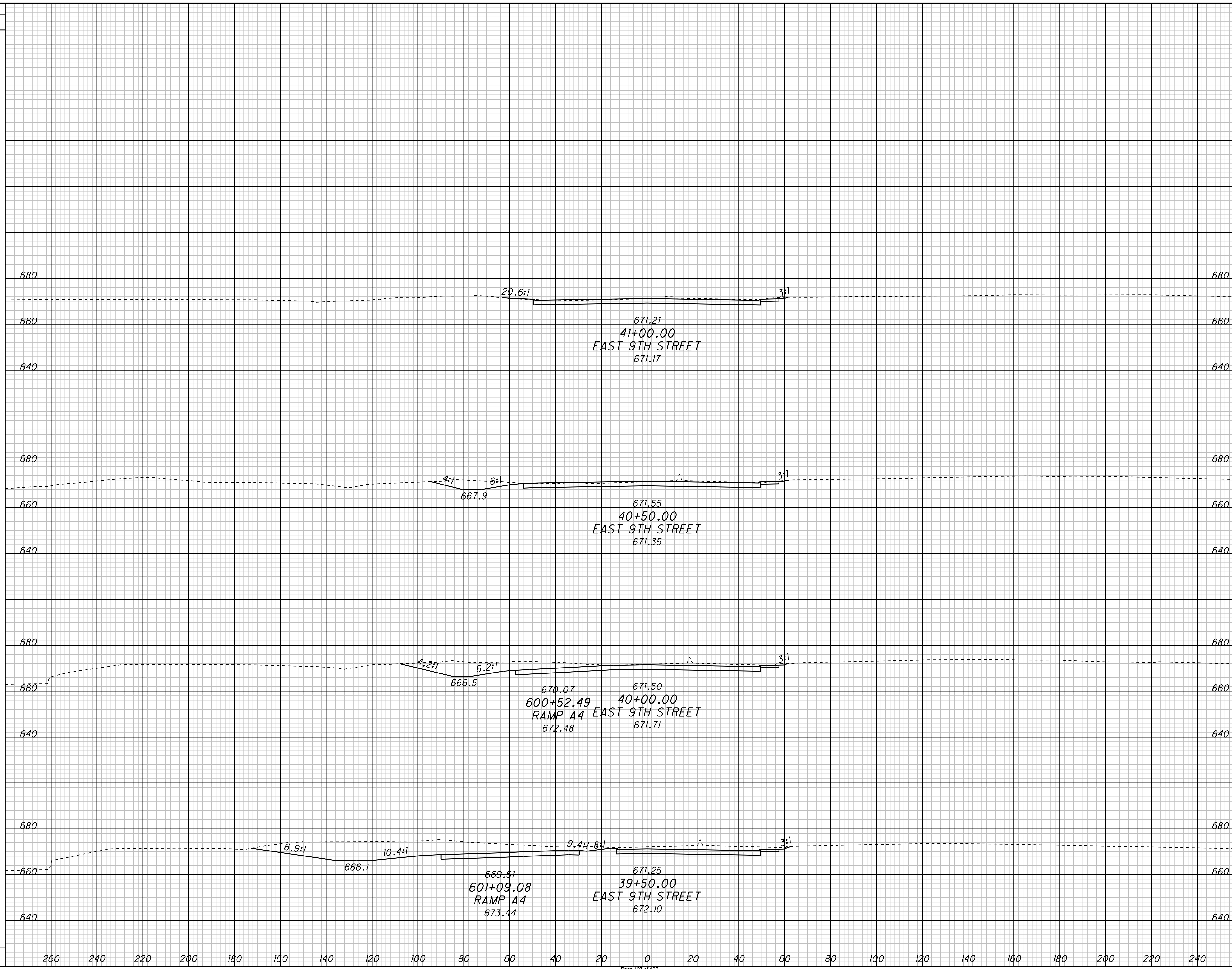
**CROSS SECTIONS - CONTRACT GROUP 3
EAST 9TH STREET**

CUY-90-14.90

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SEEDING
END WIDTH SQ. YDS.

END AREA VOLUME
CUT FILL CUT FILL
CALCULATED CHECKED



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CROSS SECTIONS - CONTRACT GROUP 3
EAST 9TH STREET

CUY -90-14.90

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