

APPENDIX C: Basis for Engineering Documents

Durham-Orange Light Rail Transit Project

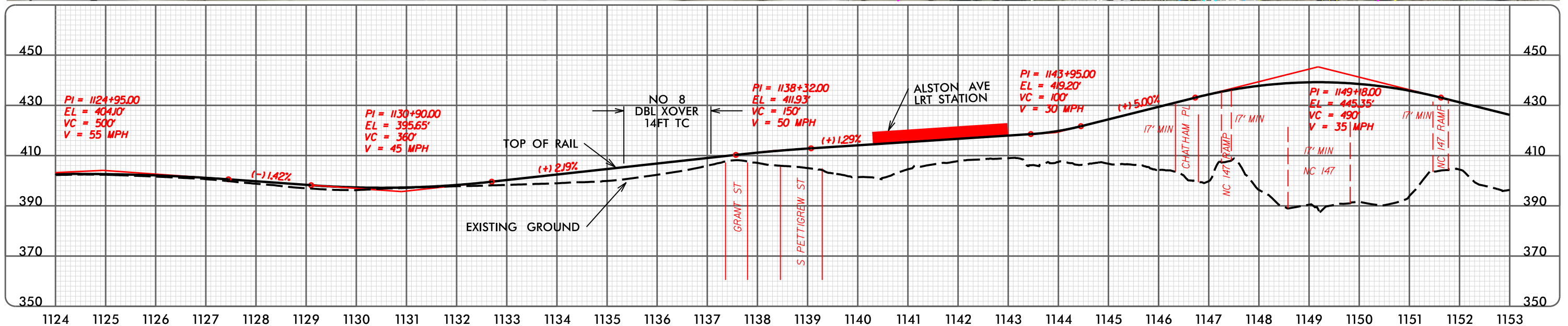
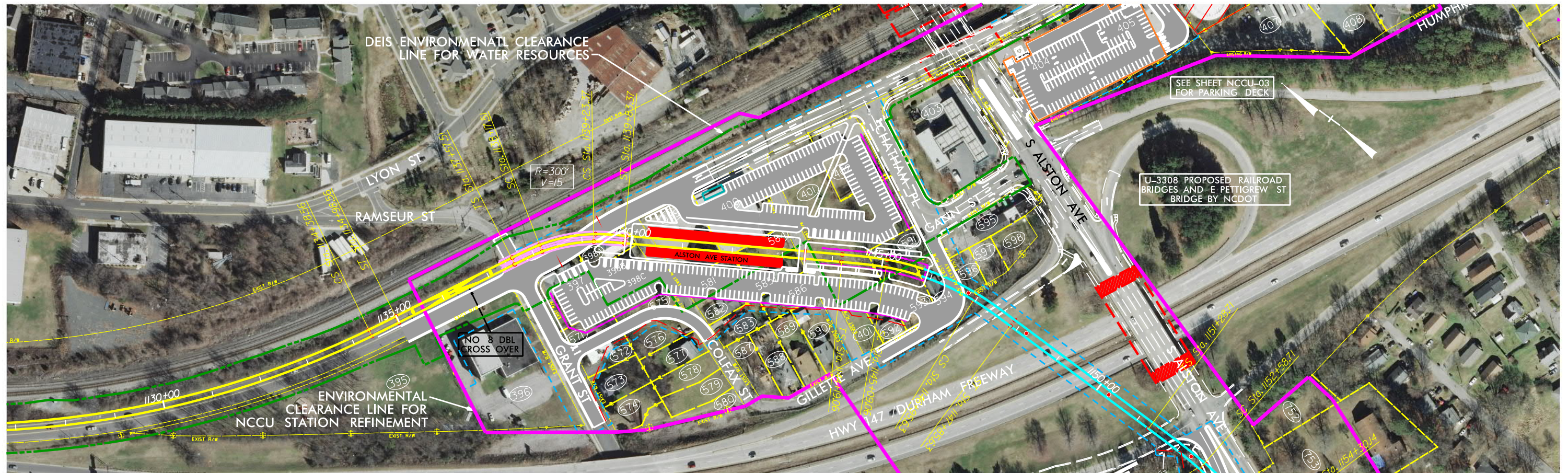


November 2016

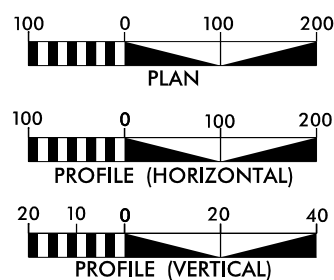
Appendix C: Basis for Engineering Documents

- D-O LRT Project NCCU Station Refinement Plan and Profile
- D-O LRT Project NCCU Station Refinement Illustrative Station Layouts
- D-O LRT Project NCCU Station Refinement Typical Sections
- D-O LRT Project NCCU Station Refinement Cross Sections

NCCR CORRIDOR - ALSTON AVENUE STATION



GRAPHIC SCALES



CONCEPT PLANS ONLY
DO NOT USE FOR CONSTRUCTION
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

LEGEND

- | | |
|--|--|
| █ STATION | ● BRIDGE PIERS |
| — AT-GRADE TRK | --- CONST. LIMITS |
| — ELEVATED TRK | --- FILL LINE |
| — MSE WALL | --- CUT LINE |
| — BALLAST CURB | --- CROSSING PANEL |
| --- CONC. BARRIER | --- NCDOT U-3308 |
| --- ENV. CLEARANCE | --- ENV. CLEARANCE |
| --- FOOTPRINT DEIS | --- NCCU STA. REFINE. |



Prepared in the Office of



URS Corporation - North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, North Carolina 27560
Phone (919)461-1100 Fax (919)461-1415
NC Lic.# C-2243

PLAN AND PROFILE

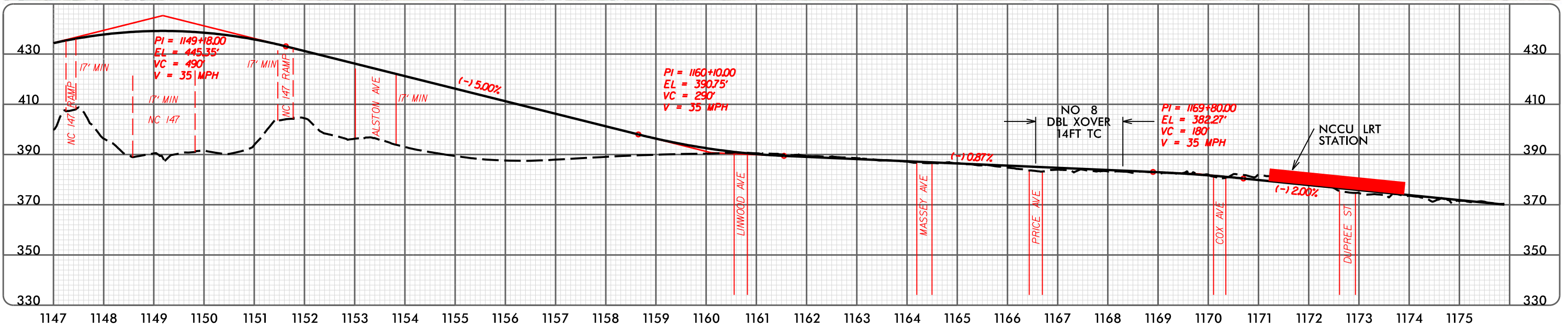
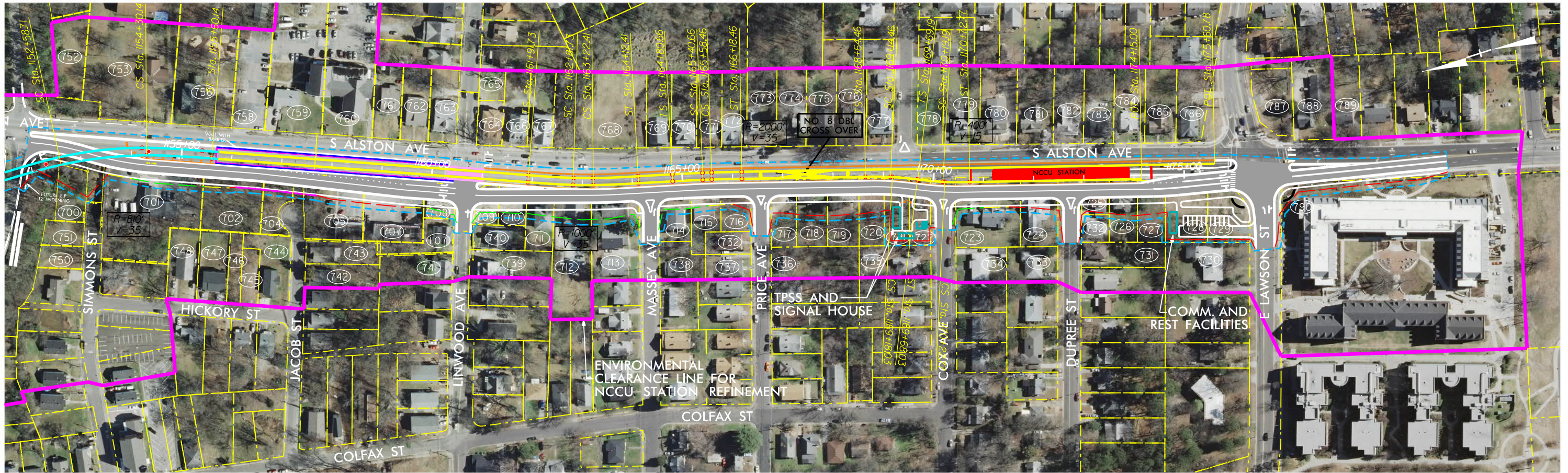
NCCU STATION REFINEMENT

PLAN &
PROFILE

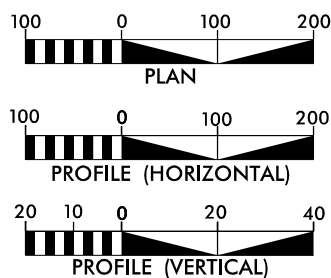
SHEET:
NCCU - 01

10/12/2016

NCRR CORRIDOR - NCCU STATION



GRAPHIC SCALES



CONCEPT PLANS ONLY
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INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

LEGEND

█ STATION	● BRIDGE PIERS
— AT-GRADE TRK	- - - CONST. LIMITS
— ELEVATED TRK	- - - FILL LINE
— MSE WALL	- - - CUT LINE
— BALLAST CURB	— CROSSING PANEL
- - - CONC. BARRIER	- - - NCDOT U-3308
- - - ENV. CLEARANCE	- - - ENV. CLEARANCE
- - - FOOTPRINT DEIS	- - - NCCU STA. REFINE.



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PLAN AND PROFILE

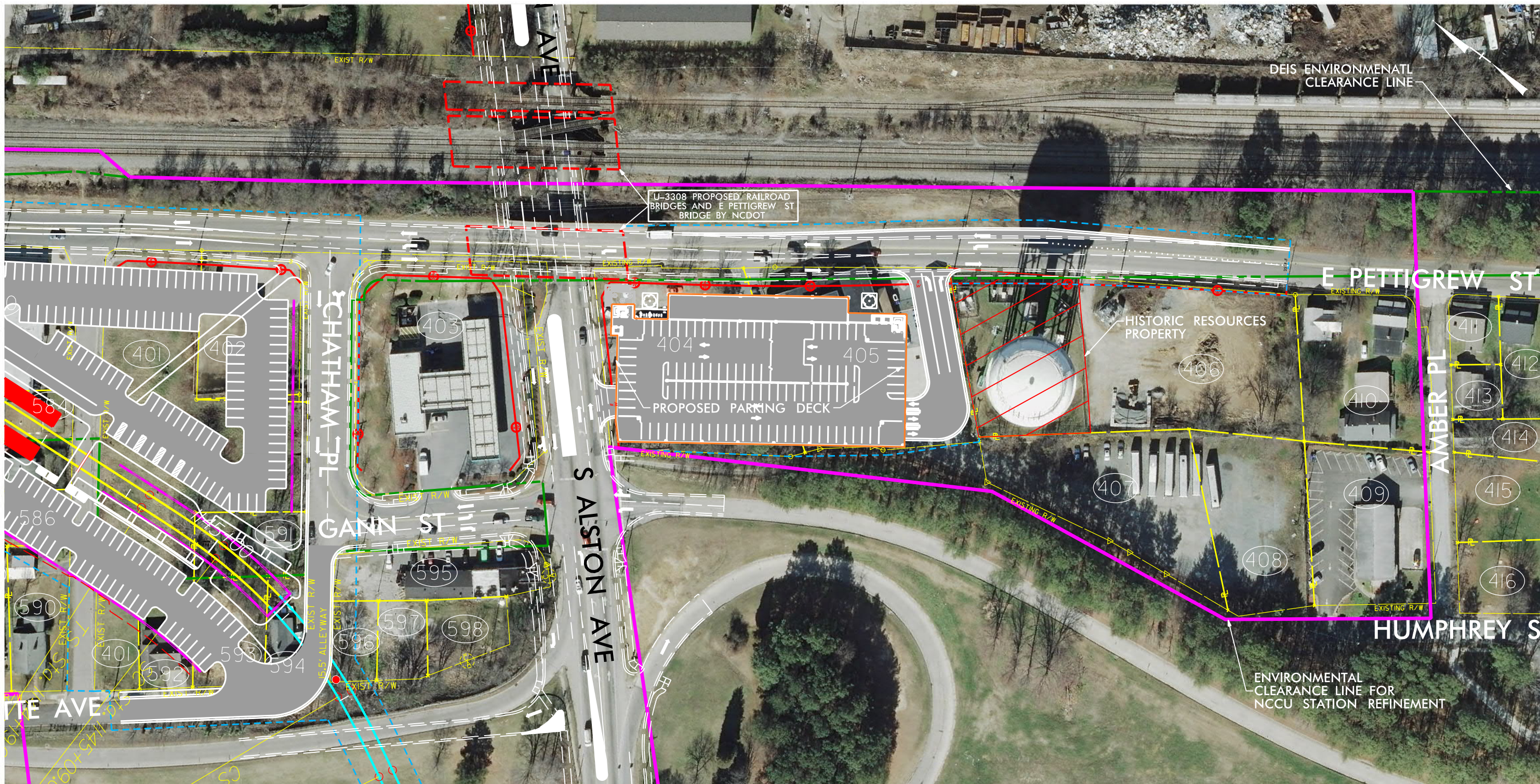
NCCU STATION REFINEMENT

**PLAN &
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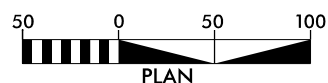
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NCCU - 02

10/11/2016

NCRR CORRIDOR - ALSTON AVENUE PARKING DECK



GRAPHIC SCALES



CONCEPT PLANS ONLY
DO NOT USE FOR CONSTRUCTION
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

LEGEND

█ STATION	● BRIDGE PIERS
--- AT-GRADE TRK	--- CONST. LIMITS
--- ELEVATED TRK	--- FILL LINE
--- MSE WALL	--- CUT LINE
--- BALLAST CURB	--- CROSSING PANEL
--- CONC. BARRIER	--- NCDOT U-3308
--- ENV. CLEARANCE FOOTPRINT DEIS	--- ENV. CLEARANCE NCCU STA. REFINE.



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PLAN AND PROFILE

NCCU STATION REFINEMENT

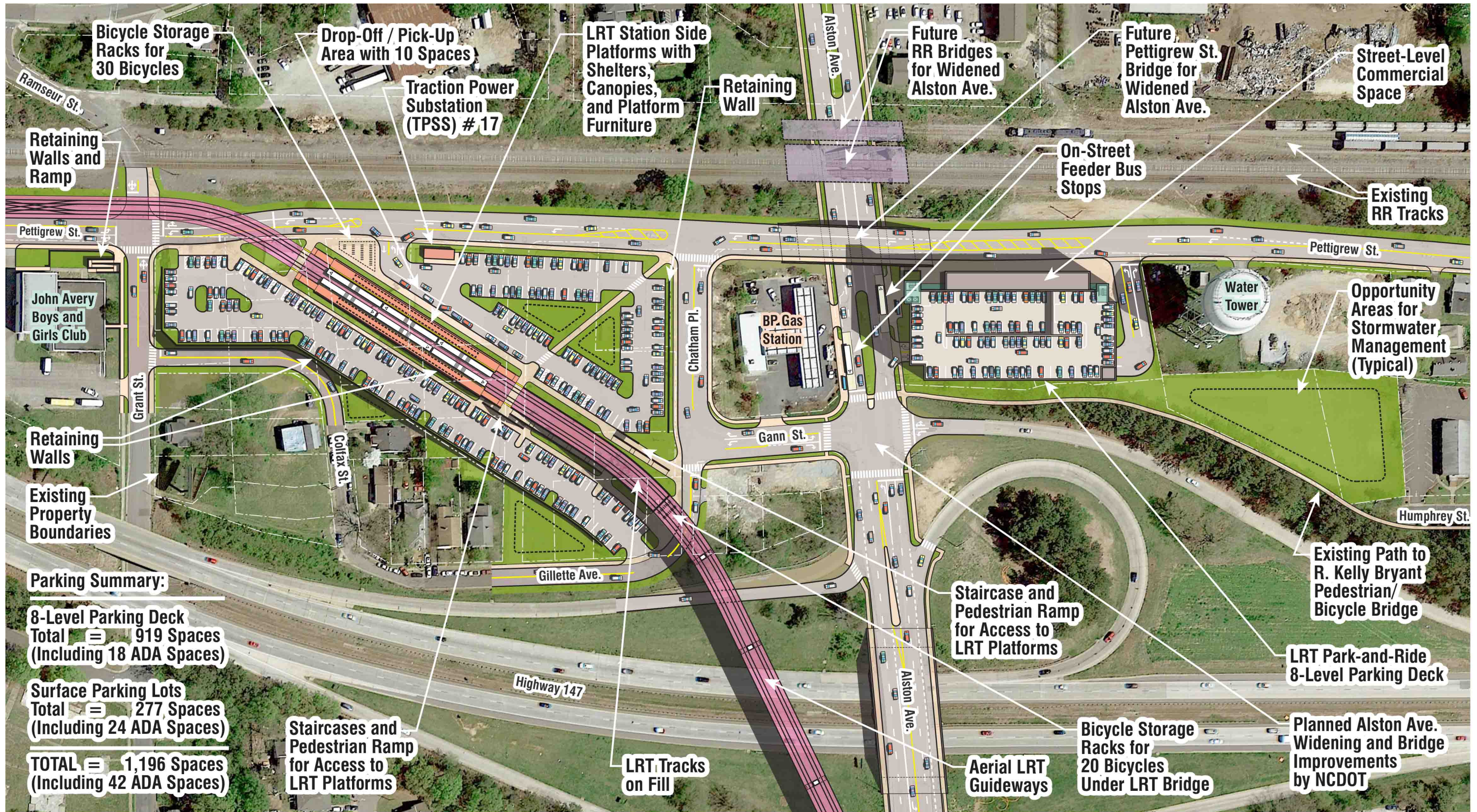
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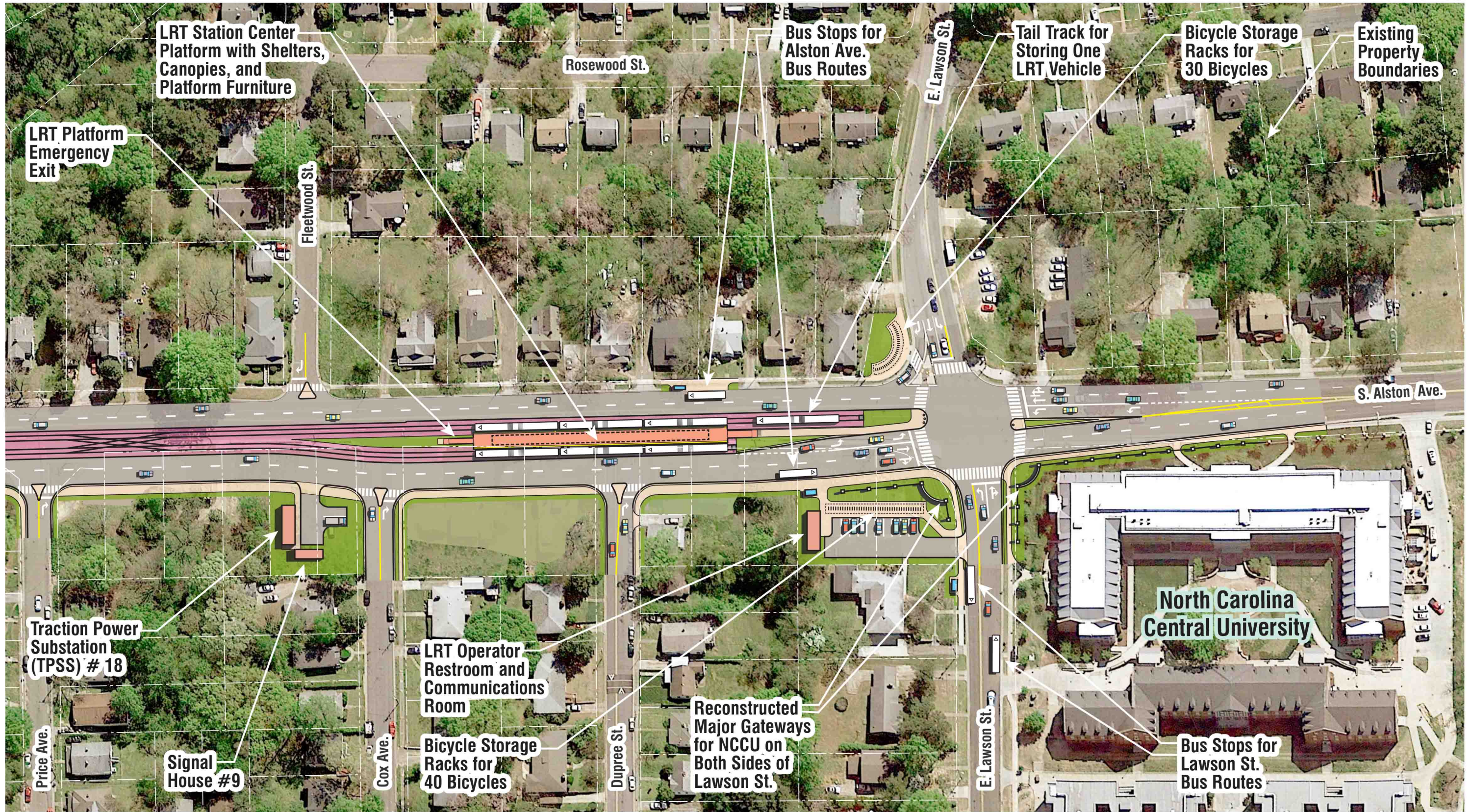
SHEET:
NCCU - 03

10/11/2016

D-O LRT Project NCCU Station Refinement

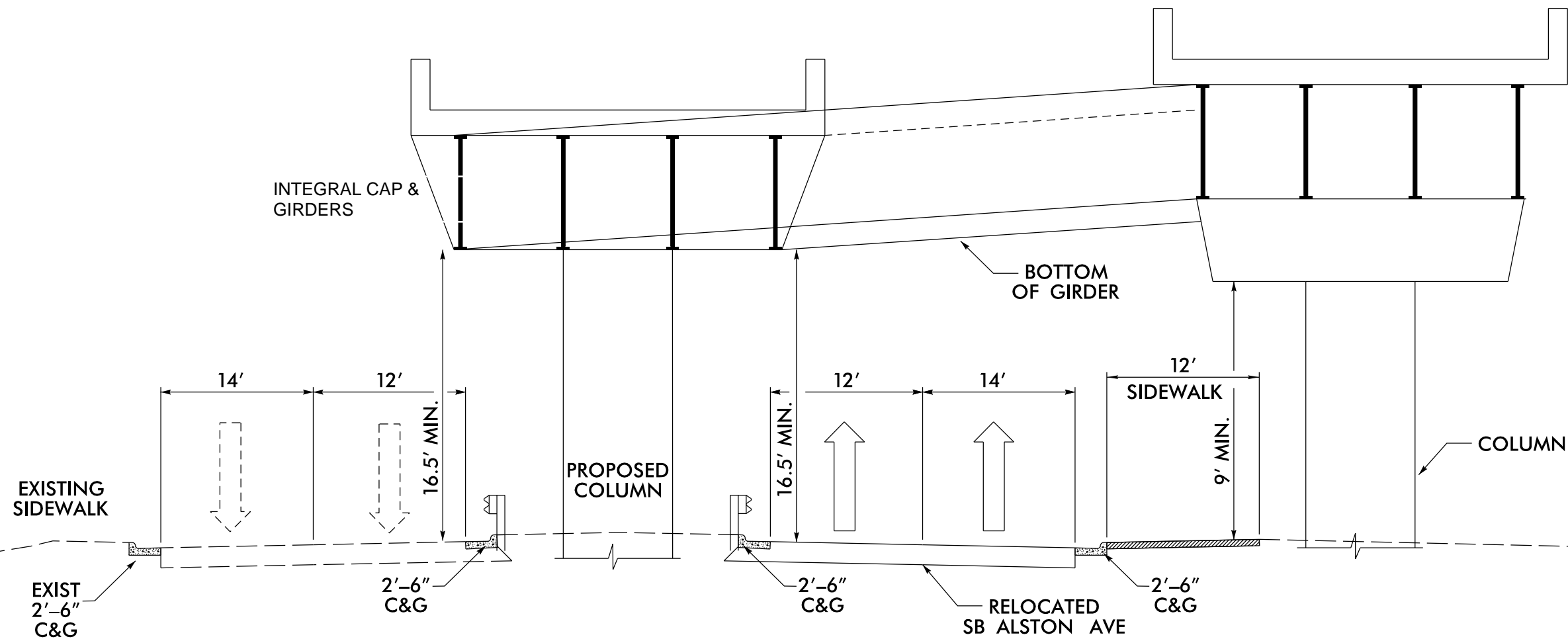
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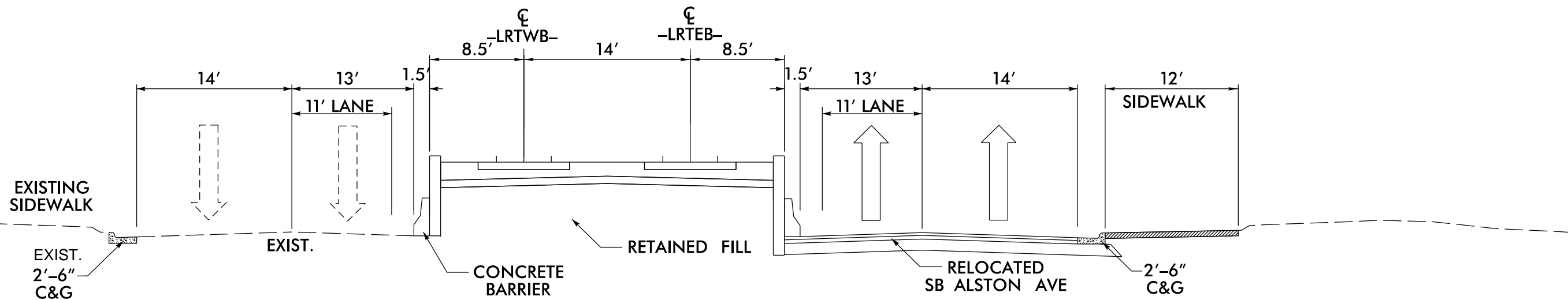


D-O LRT Project NCCU Station Refinement

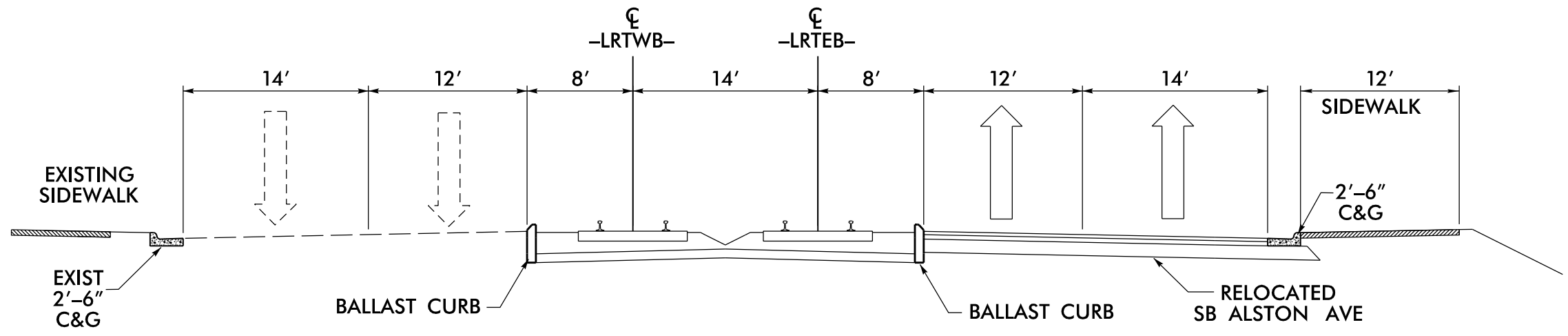
Typical Sections



SECTION A1 – ALSTON AVE LOOKING SOUTH
 STA. 1152+00 TO STA. 1154+30

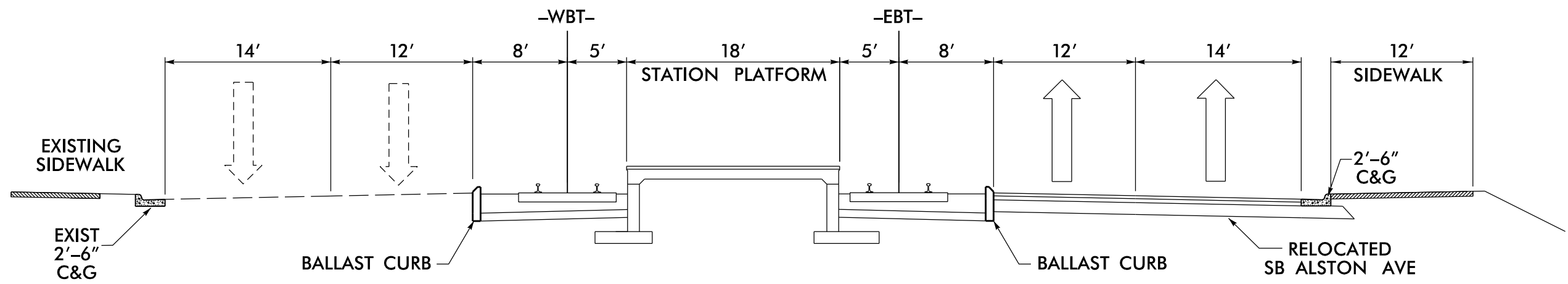


SECTION A2 – ALSTON AVE LOOKING SOUTH
 STA. 1155+73 TO STA. 1160+30



SECTION A3 – ALSTON AVE LOOKING SOUTH

STA. 1160+30 TO STA. 1171+20
 STA. 1173+90 TO STA. 1174+15



SECTION A4 – ALSTON AVE LOOKING SOUTH

WITH STATION CENTER PLATFORM
 STA. 1171+20 TO STA. 1173+90

D-O LRT Project NCCU Station Refinement

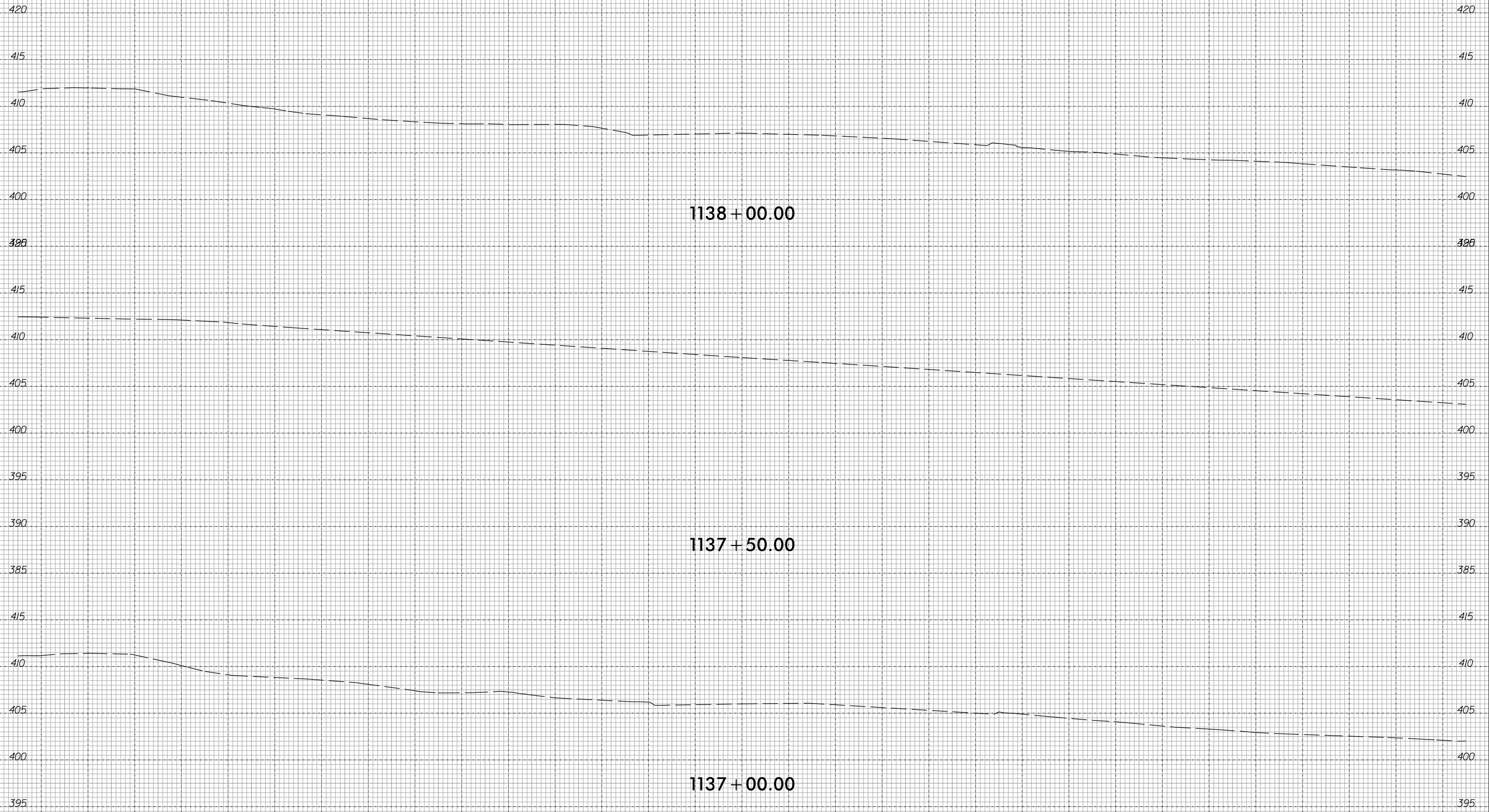
Cross Sections

8/23/99



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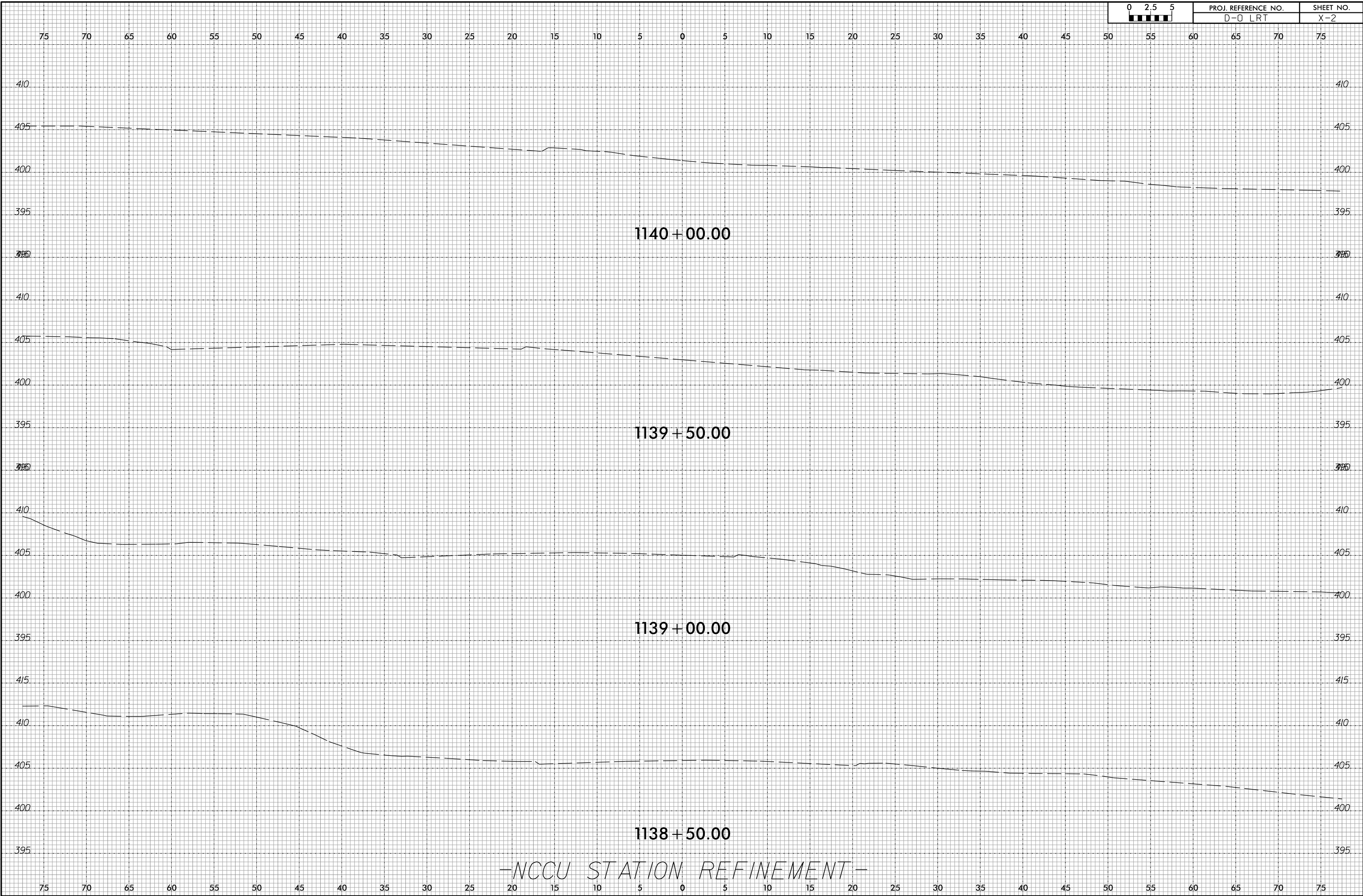
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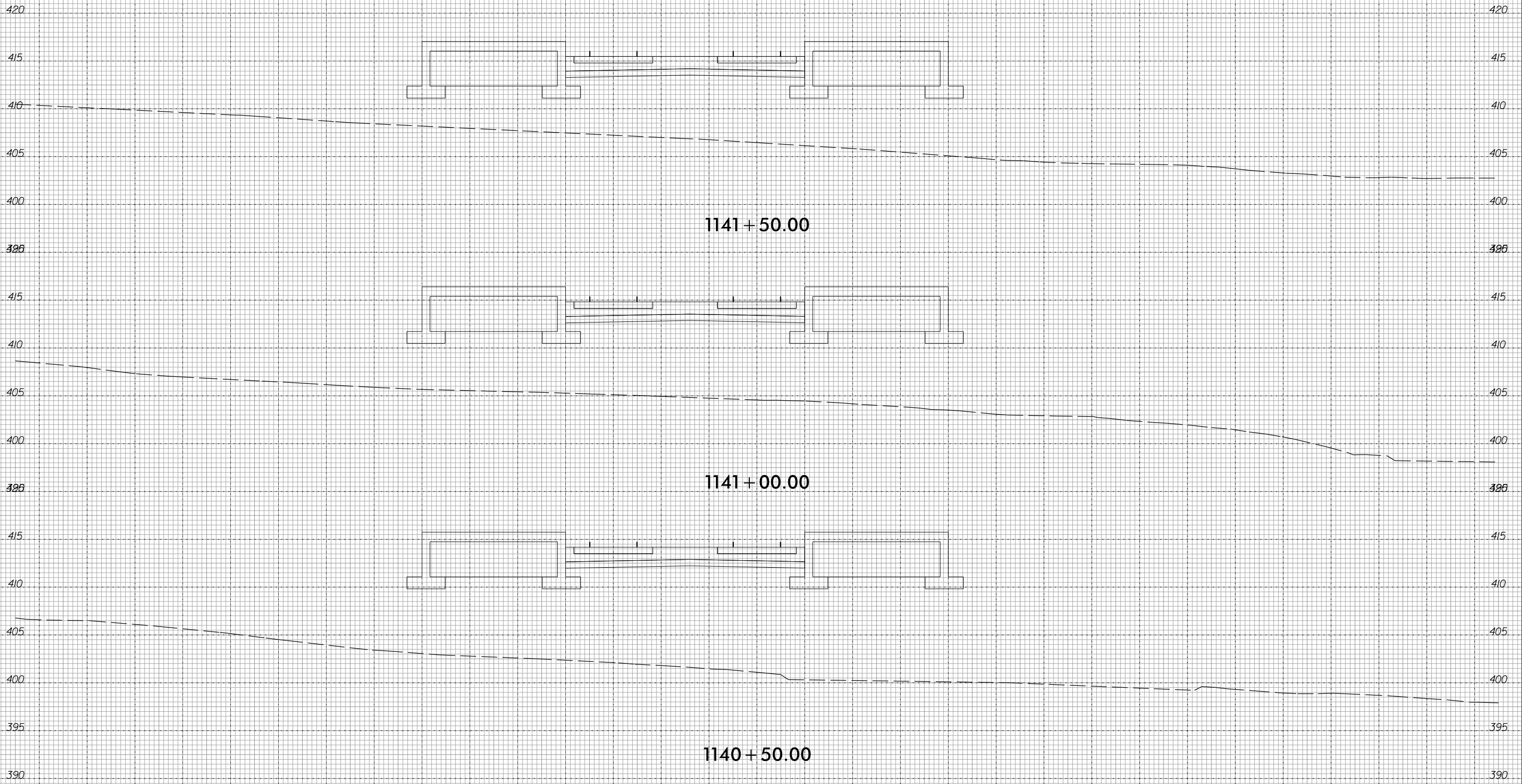


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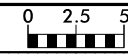
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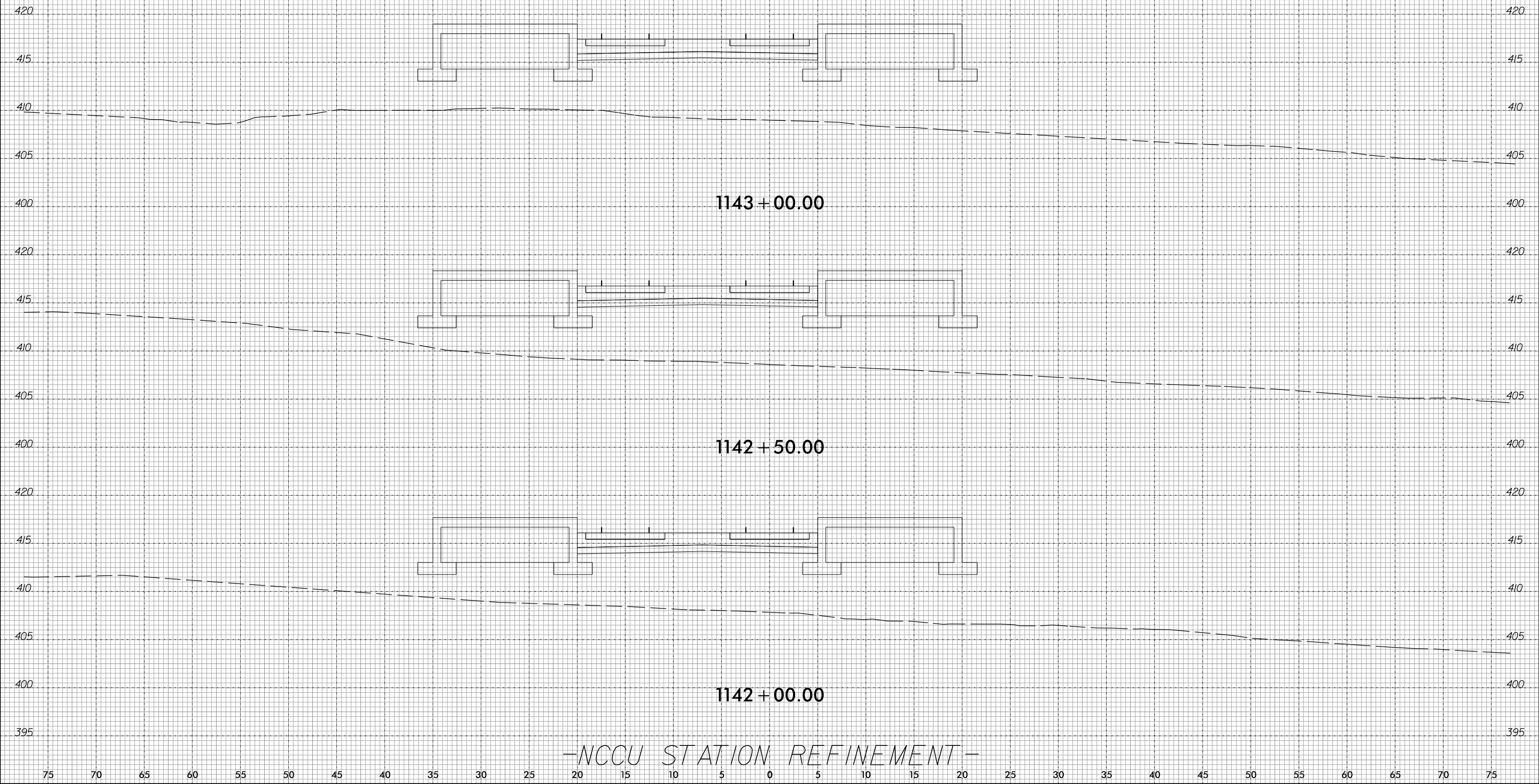
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1143 + 00.00

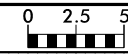
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1142 + 00.00

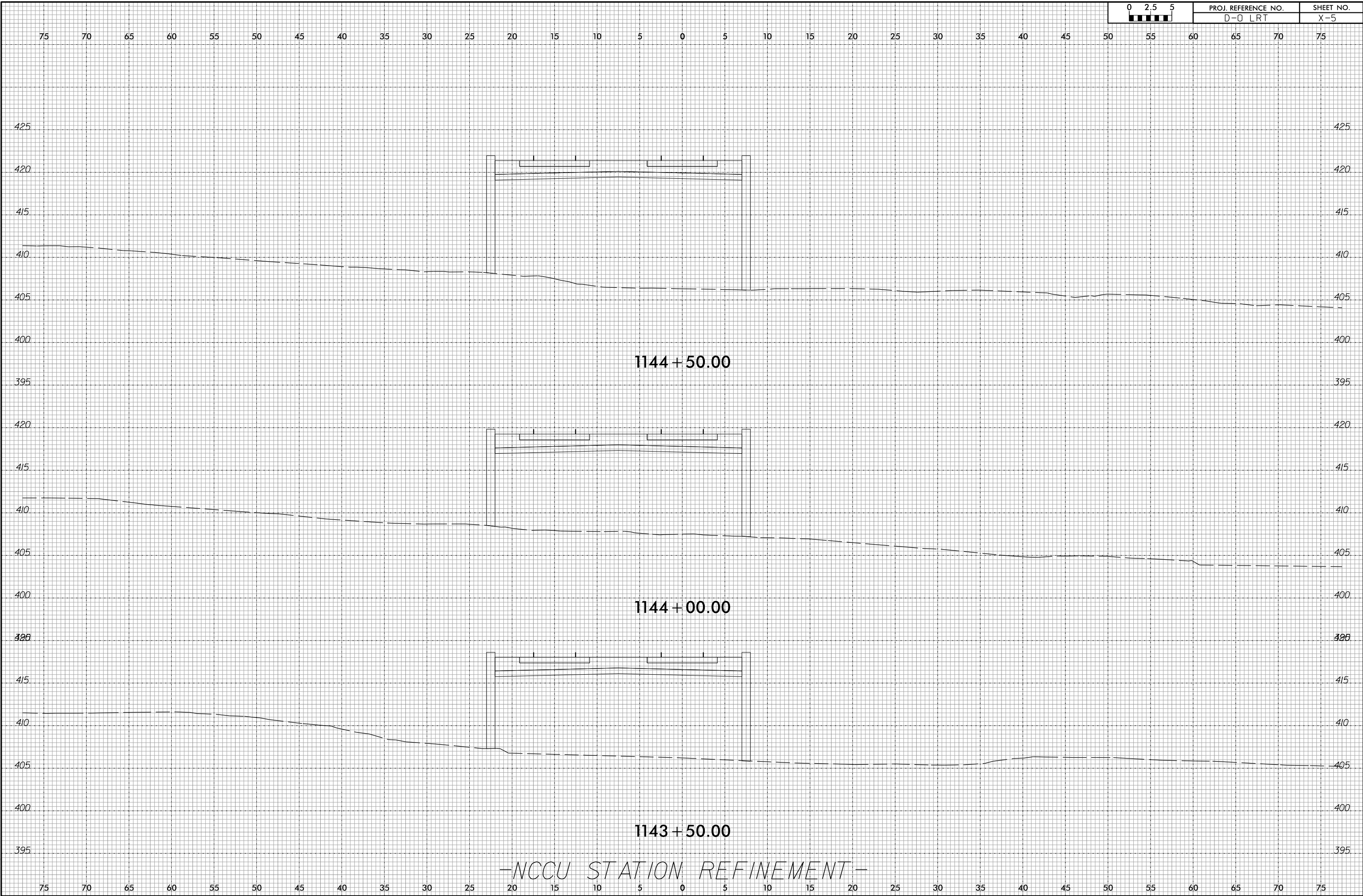
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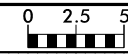
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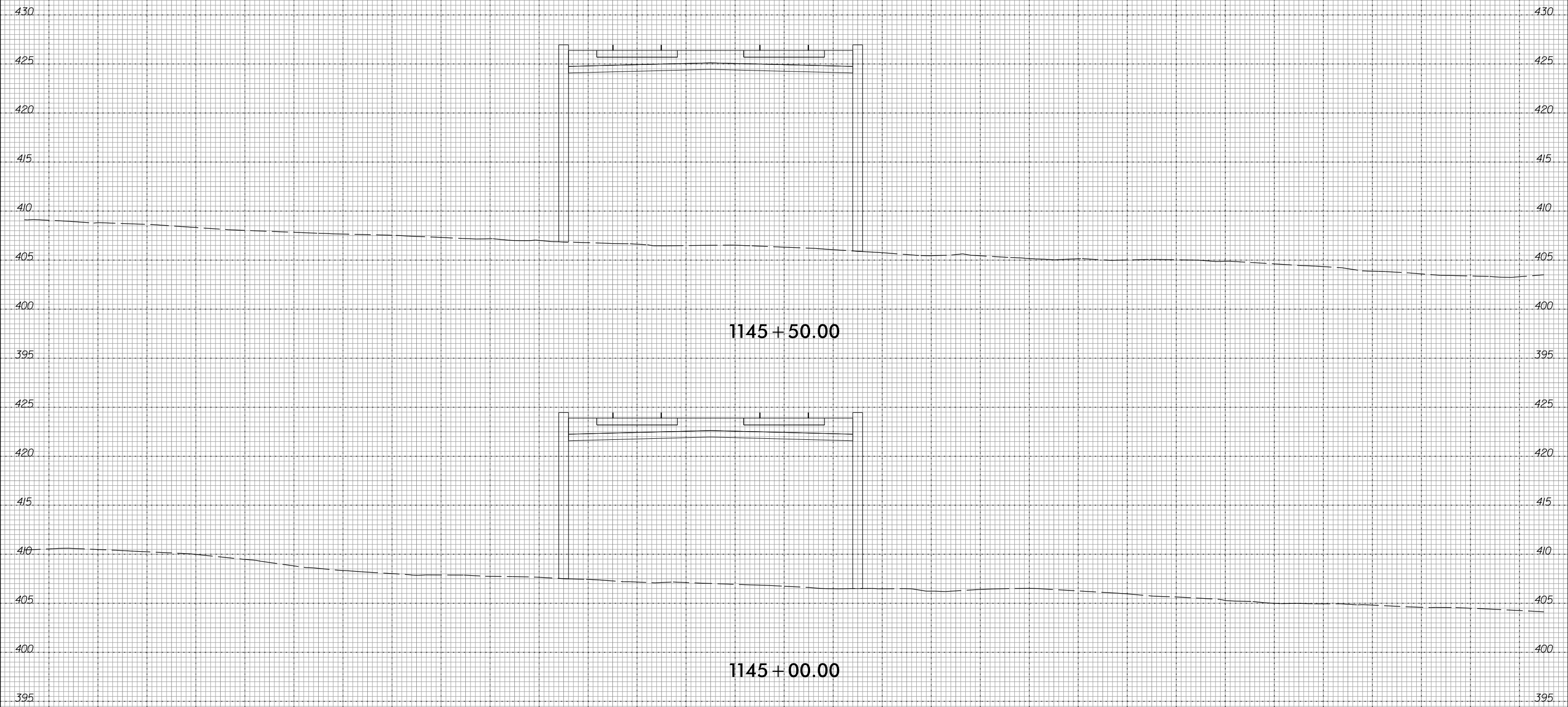
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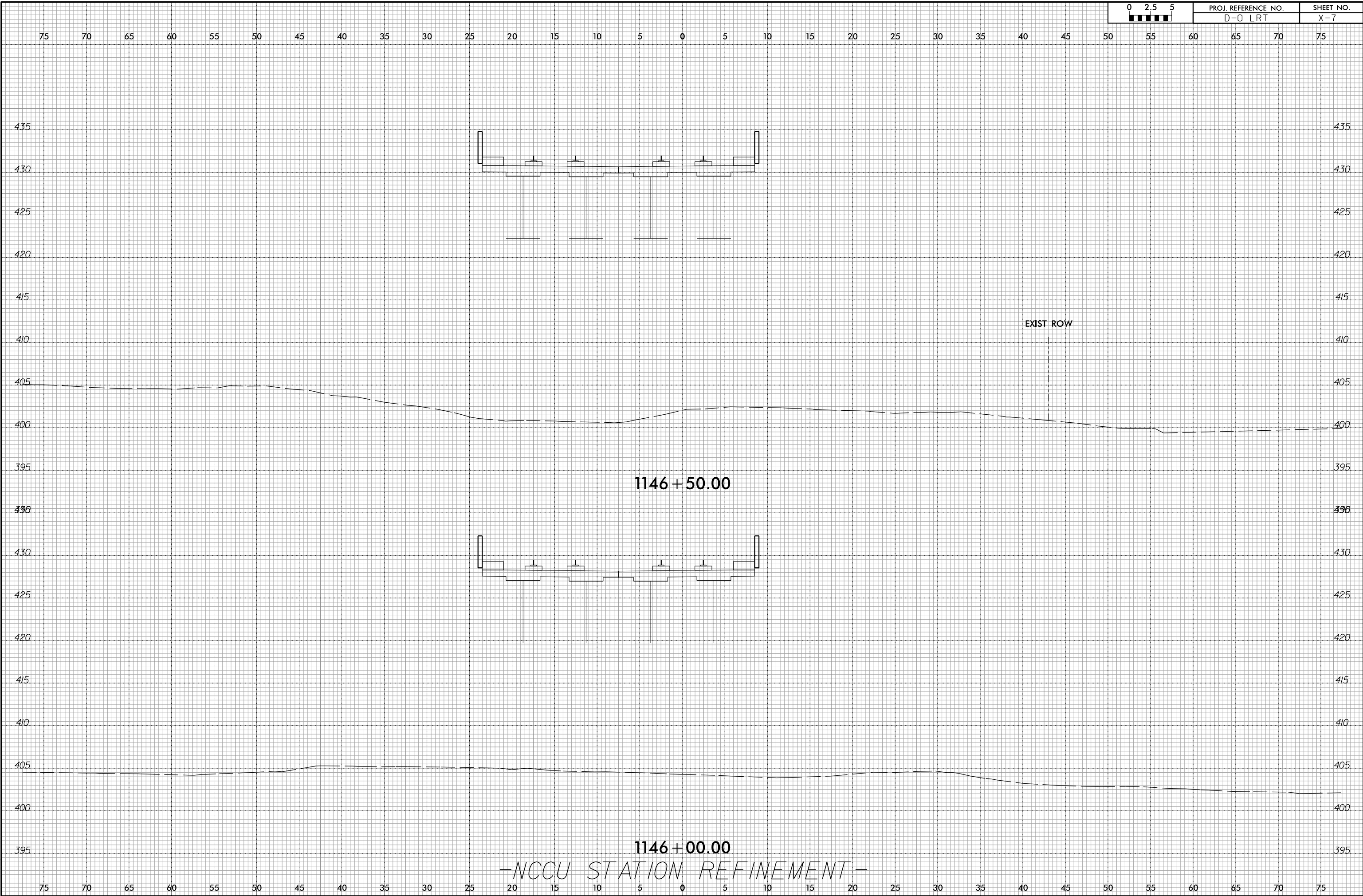
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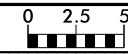


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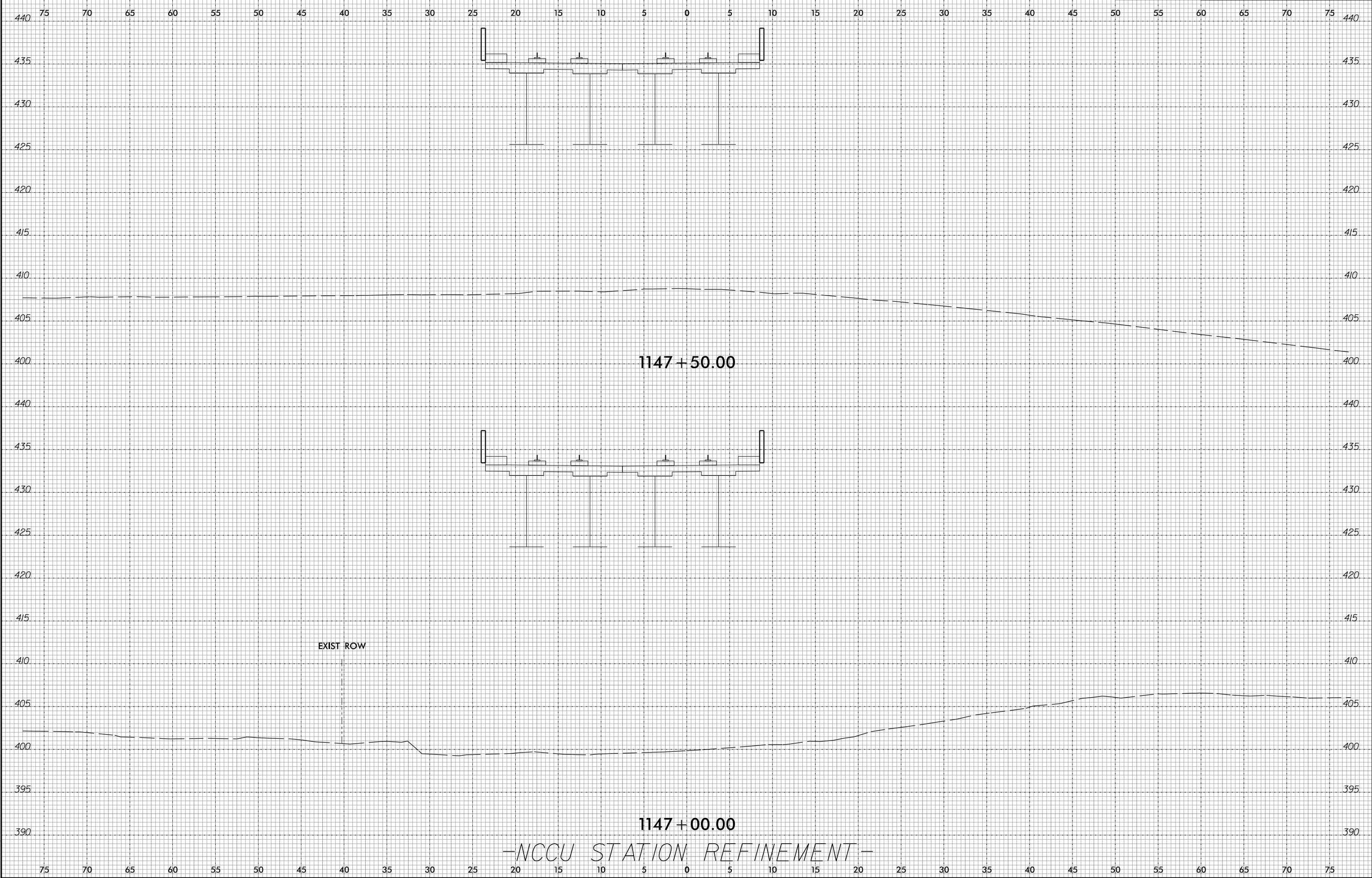
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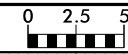


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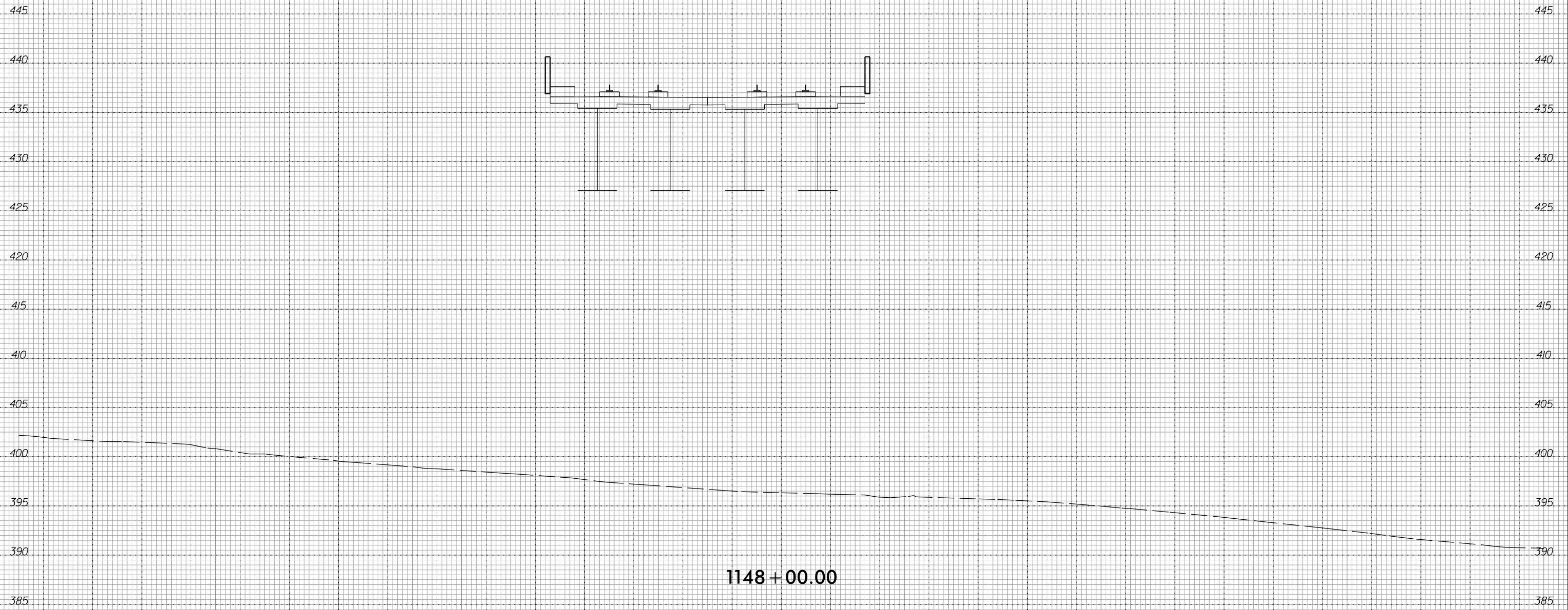
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1148 + 00.00

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1148 + 50.00
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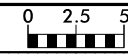
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1149 + 50.00

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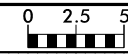


1150+00.00

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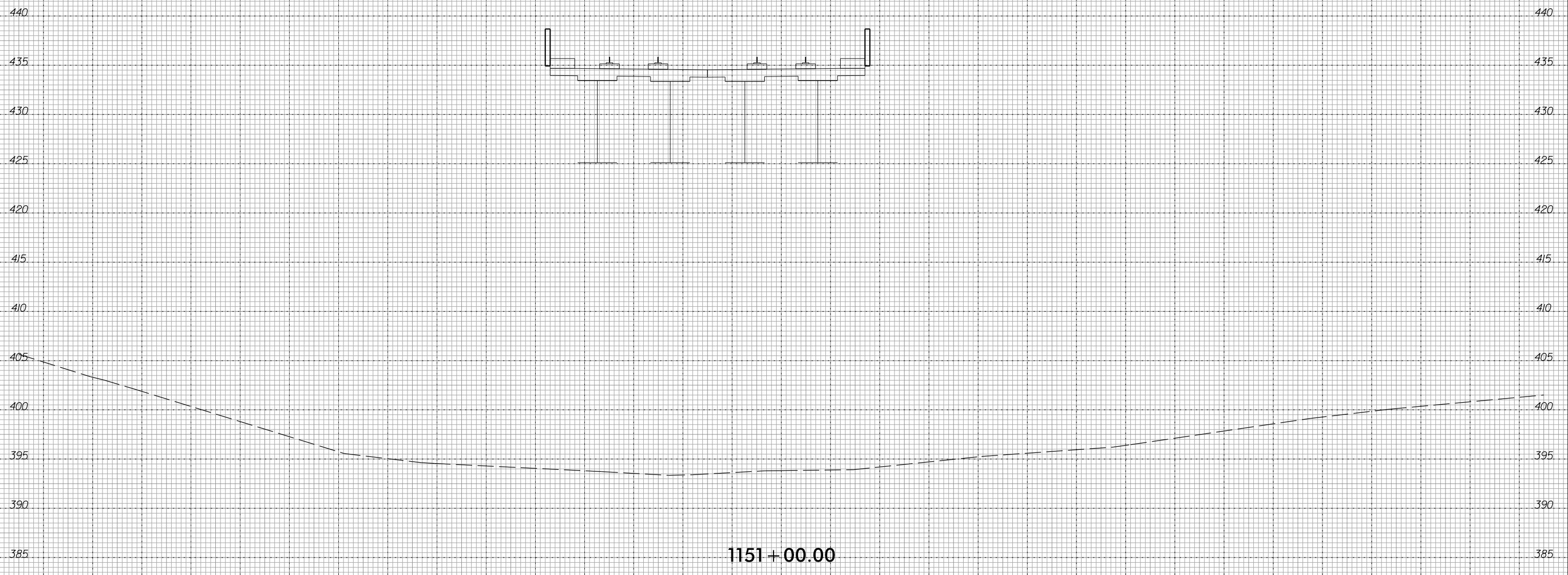
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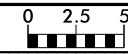
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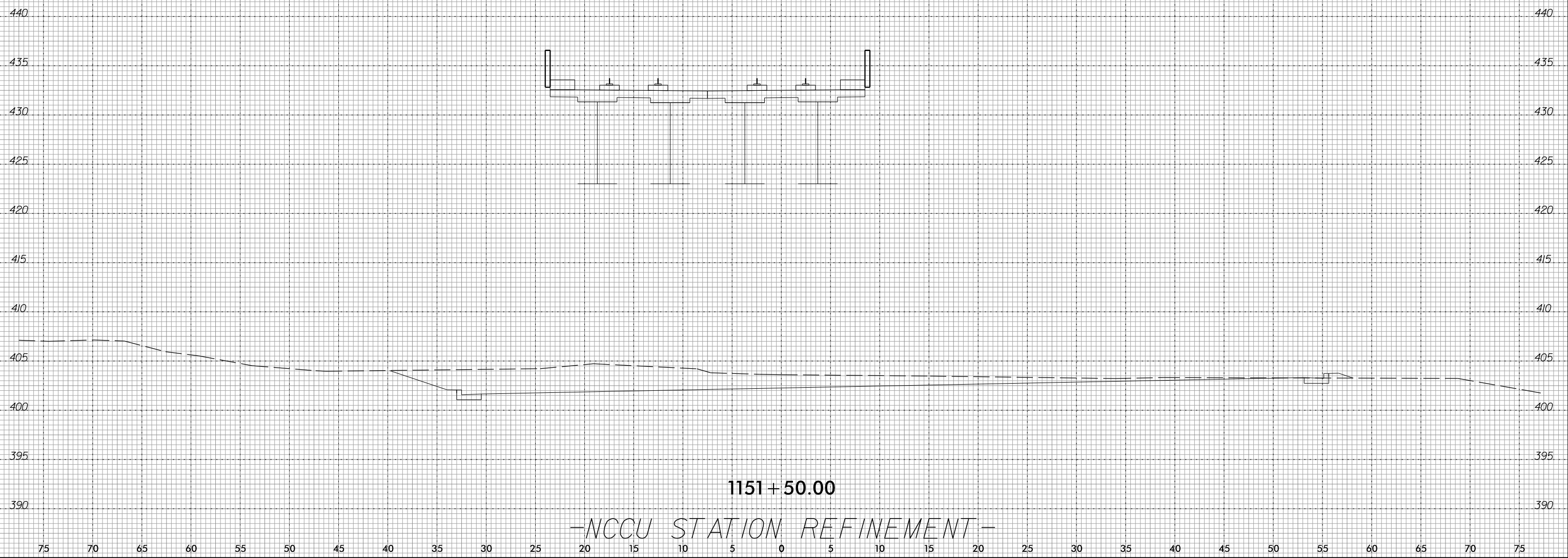
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1151 + 50.00

-NCCU STATION REFINEMENT-

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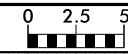
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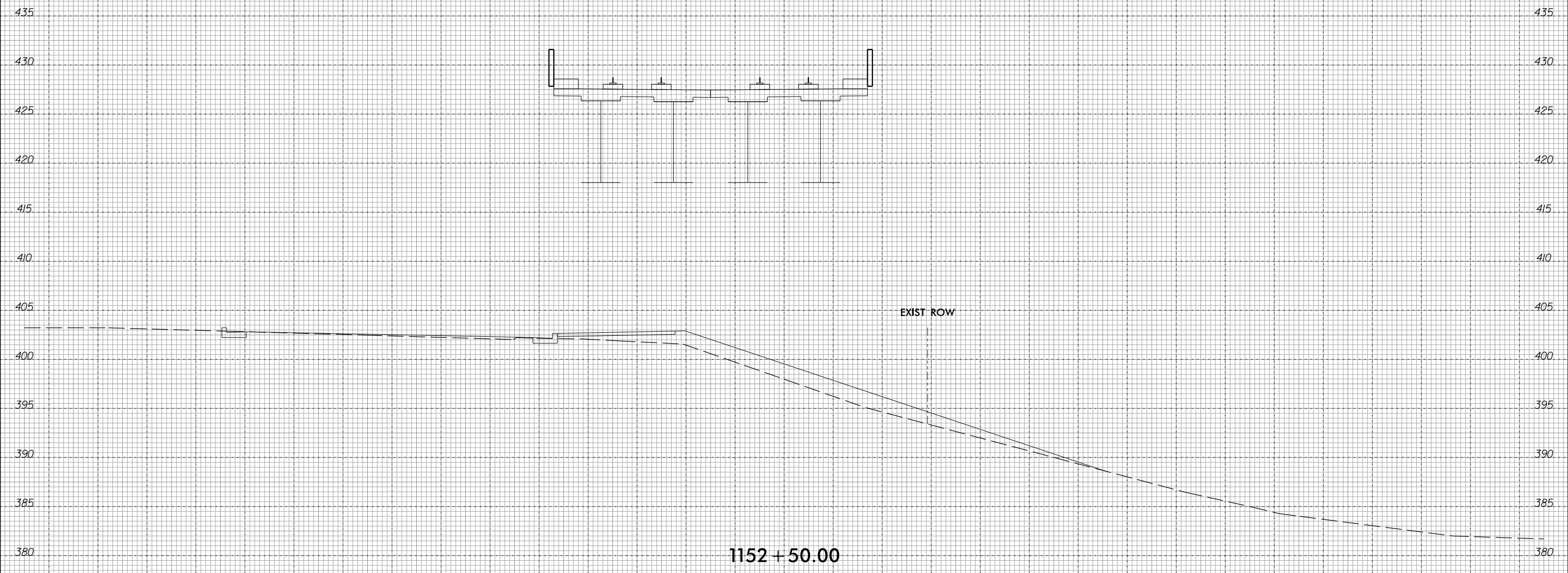
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EXIST ROW

1152 + 50.00

-NCCU STATION REFINEMENT-

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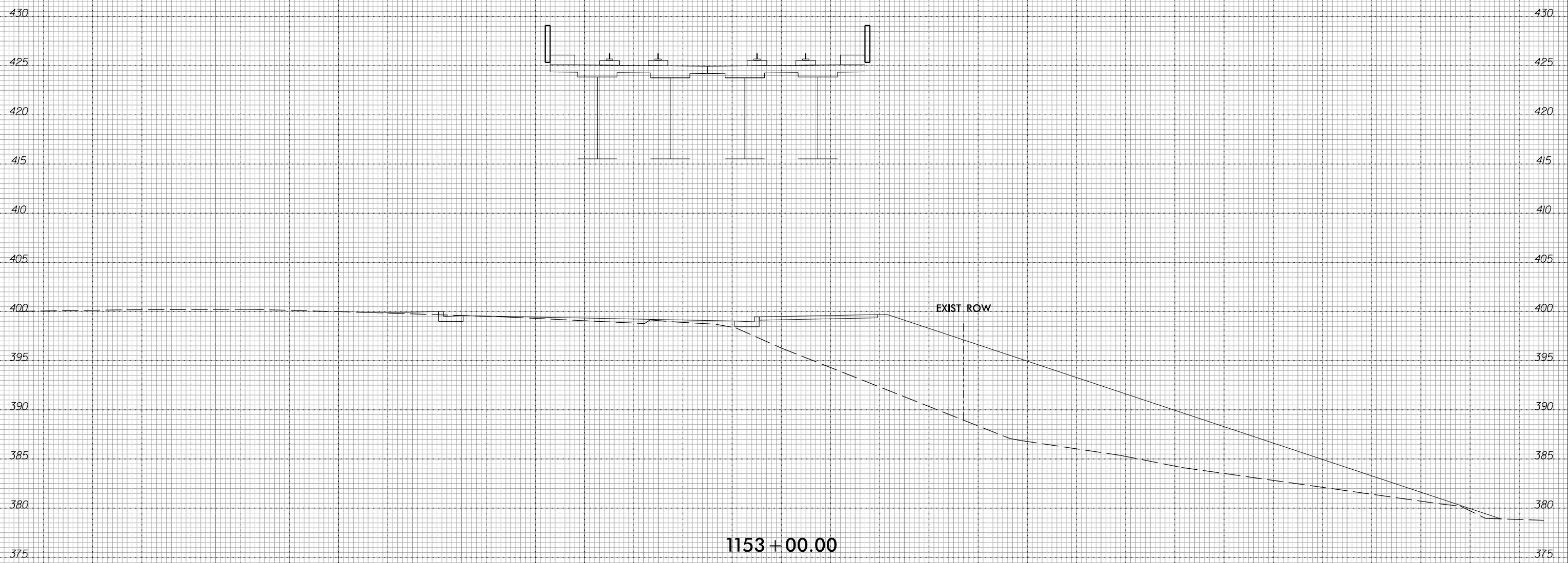
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8/23/99



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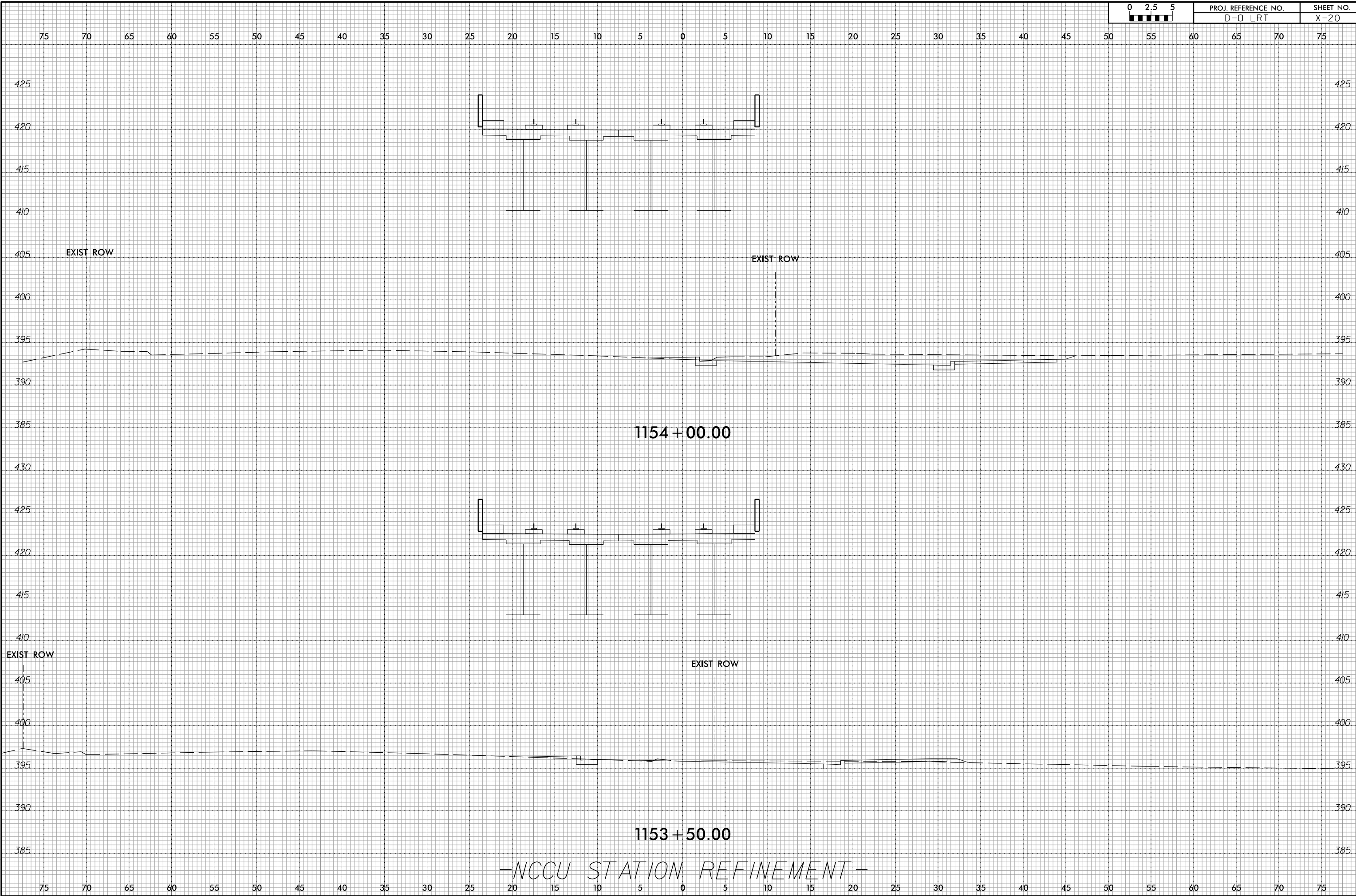
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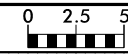
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1153+50.00

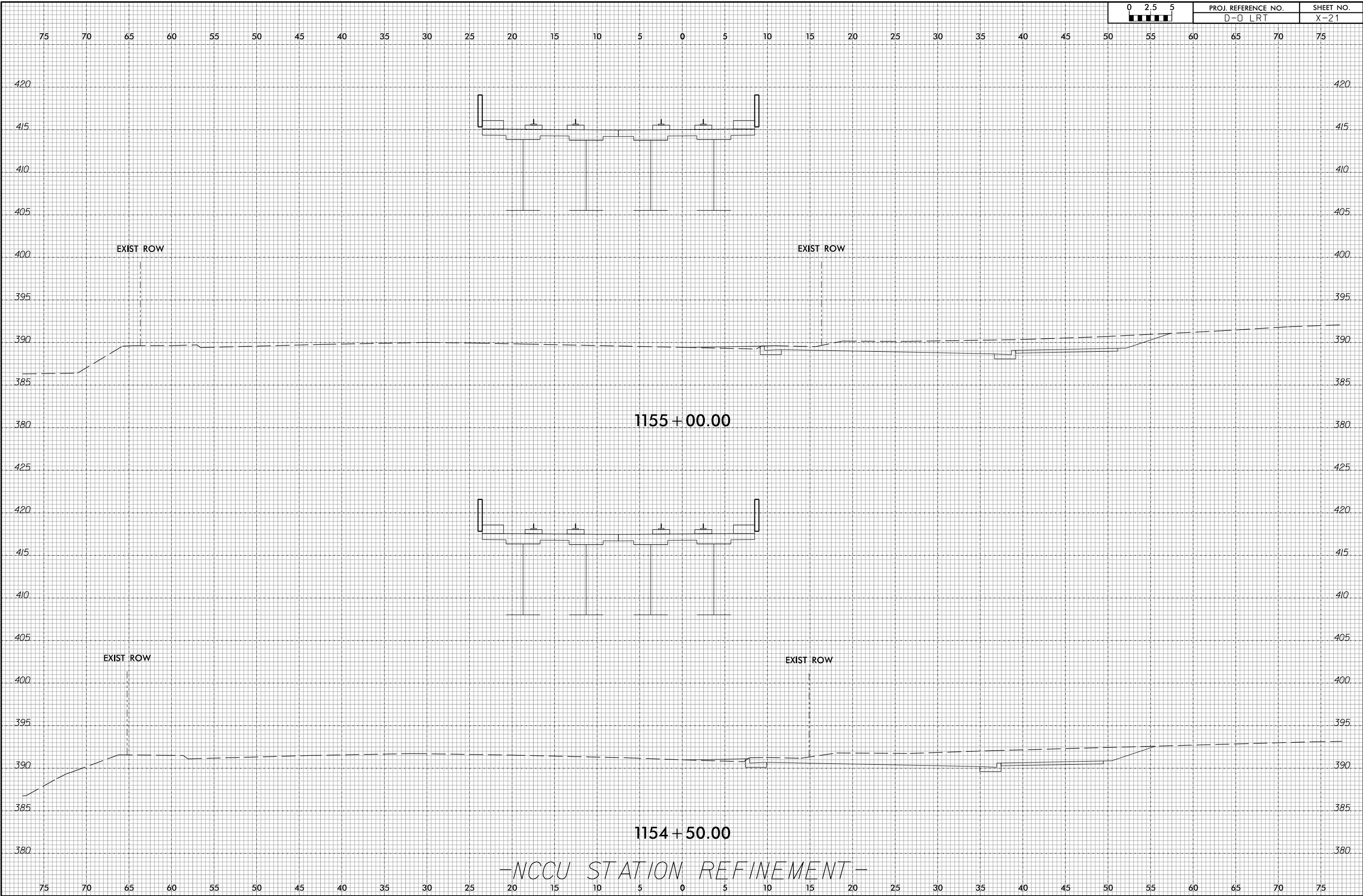
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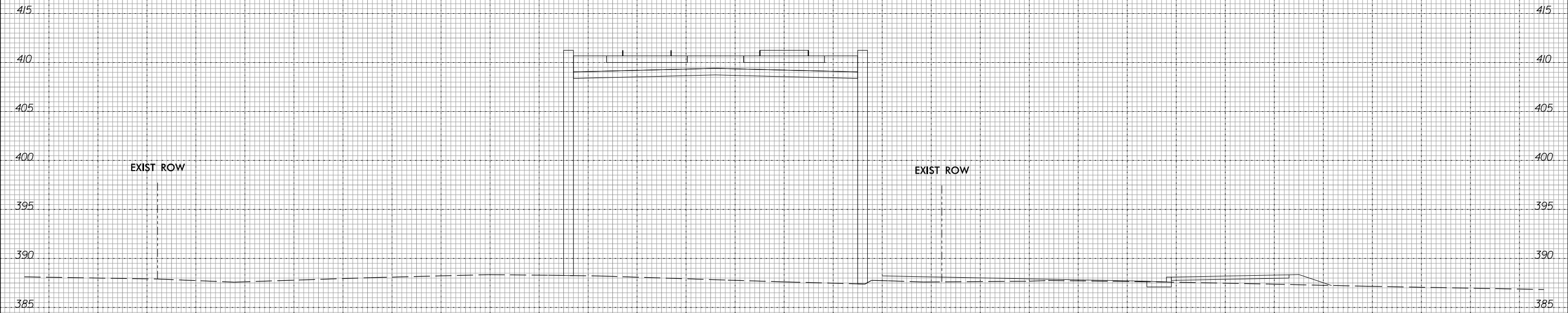
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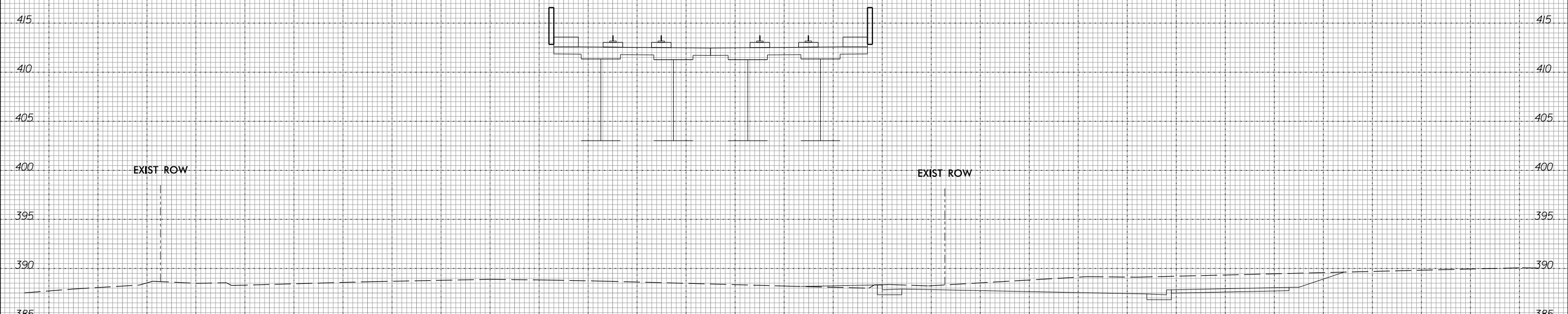


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1156 + 00.00



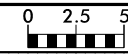
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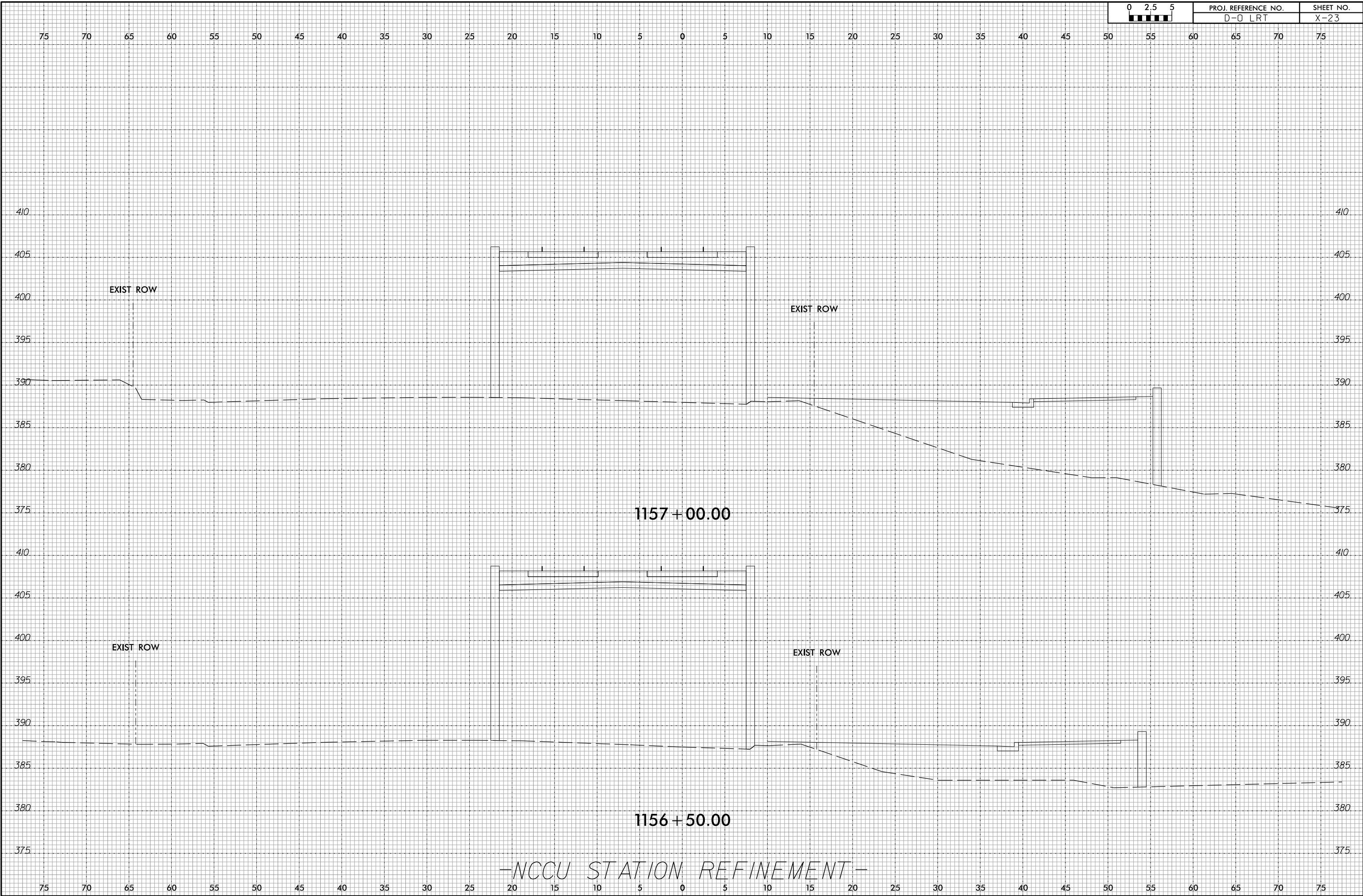
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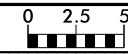
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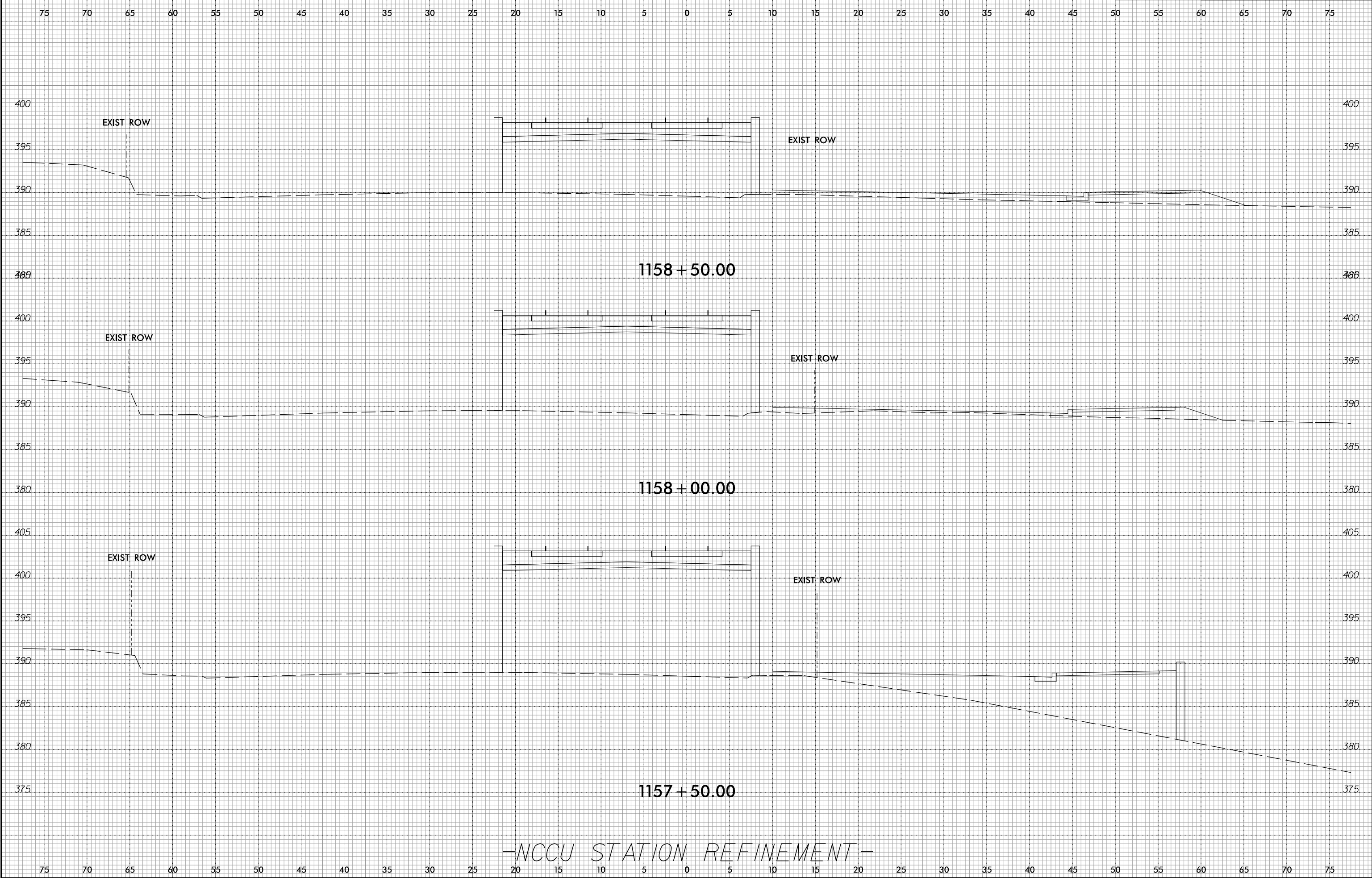
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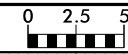


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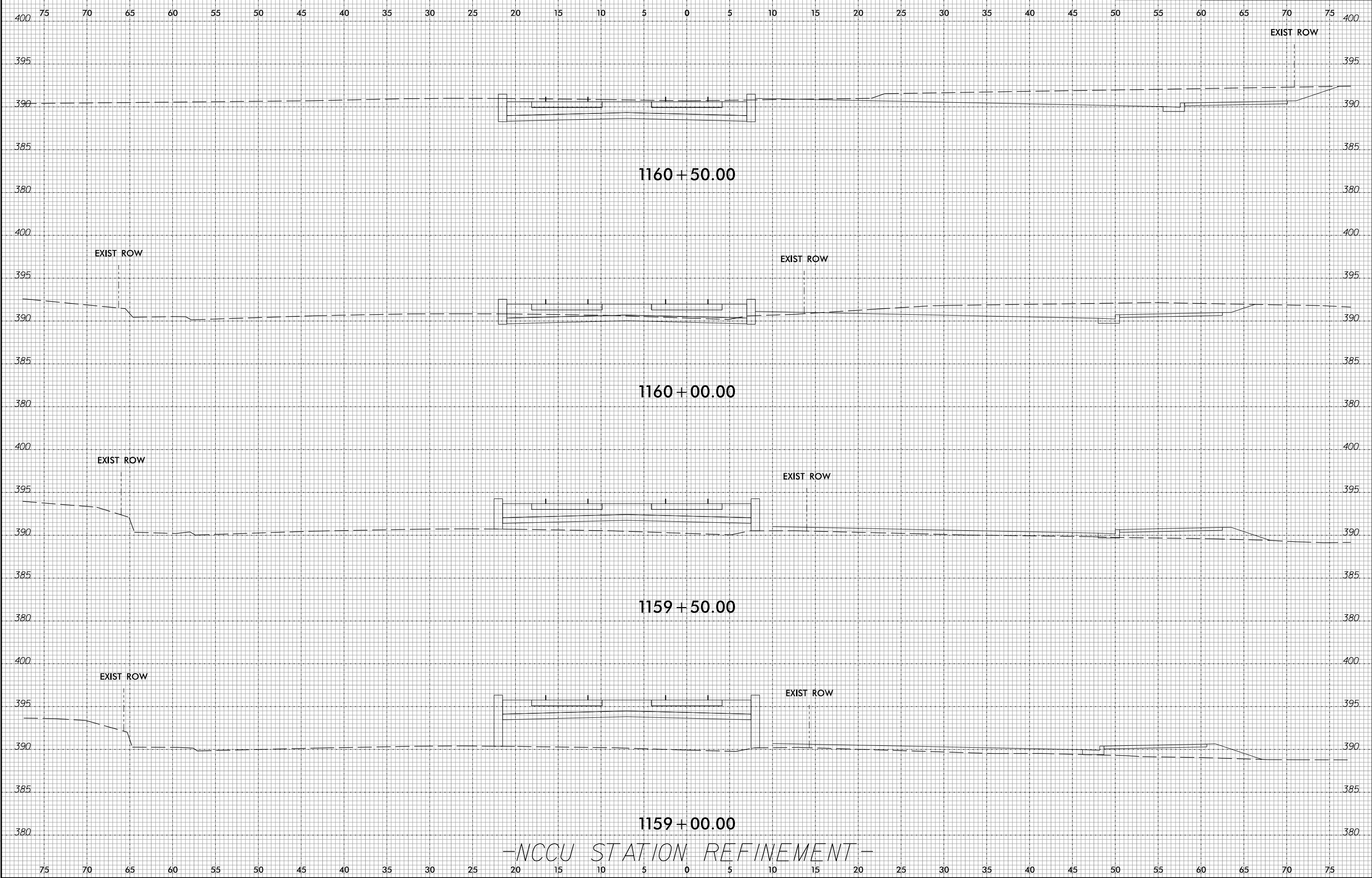


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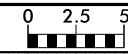
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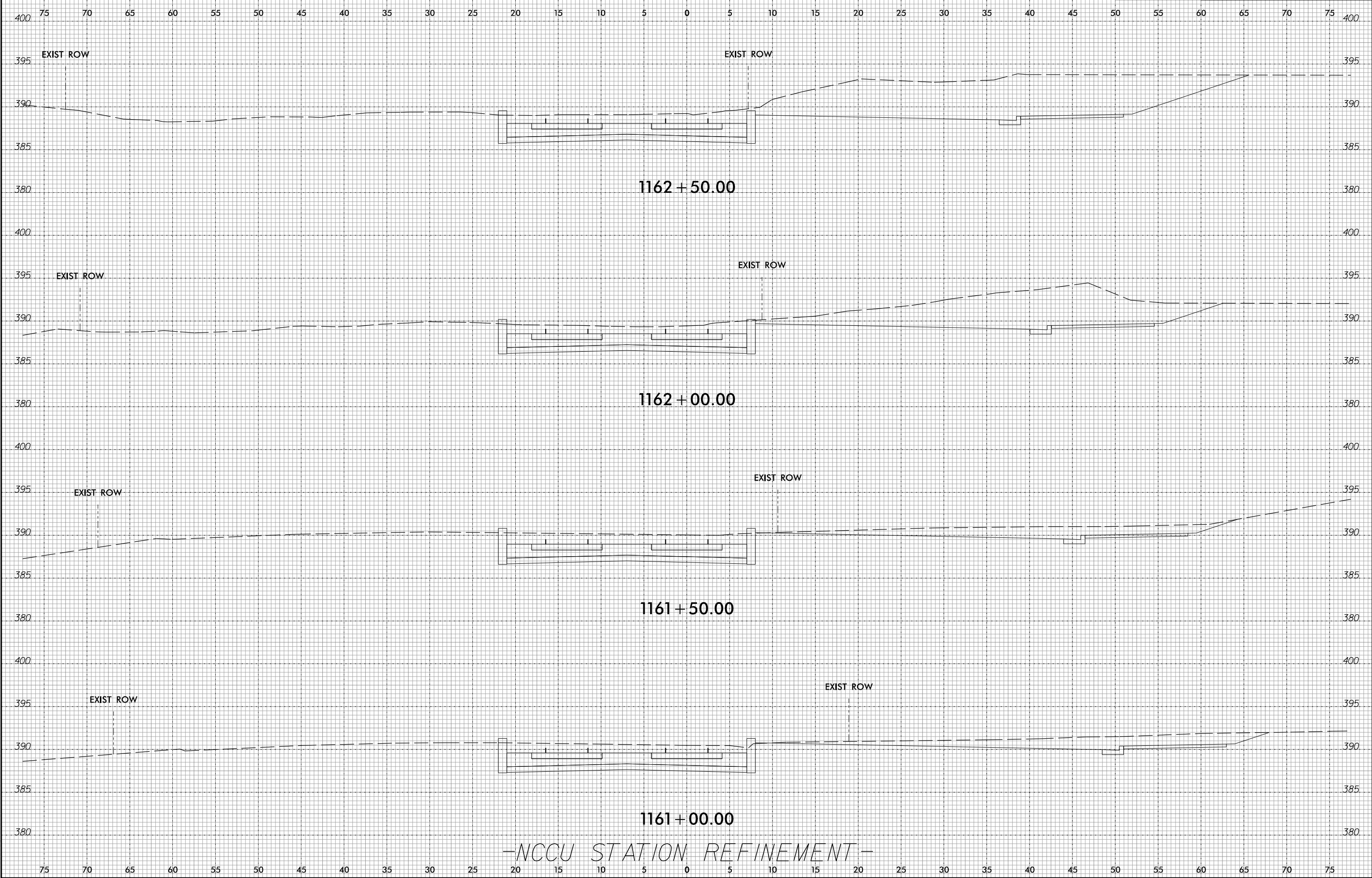
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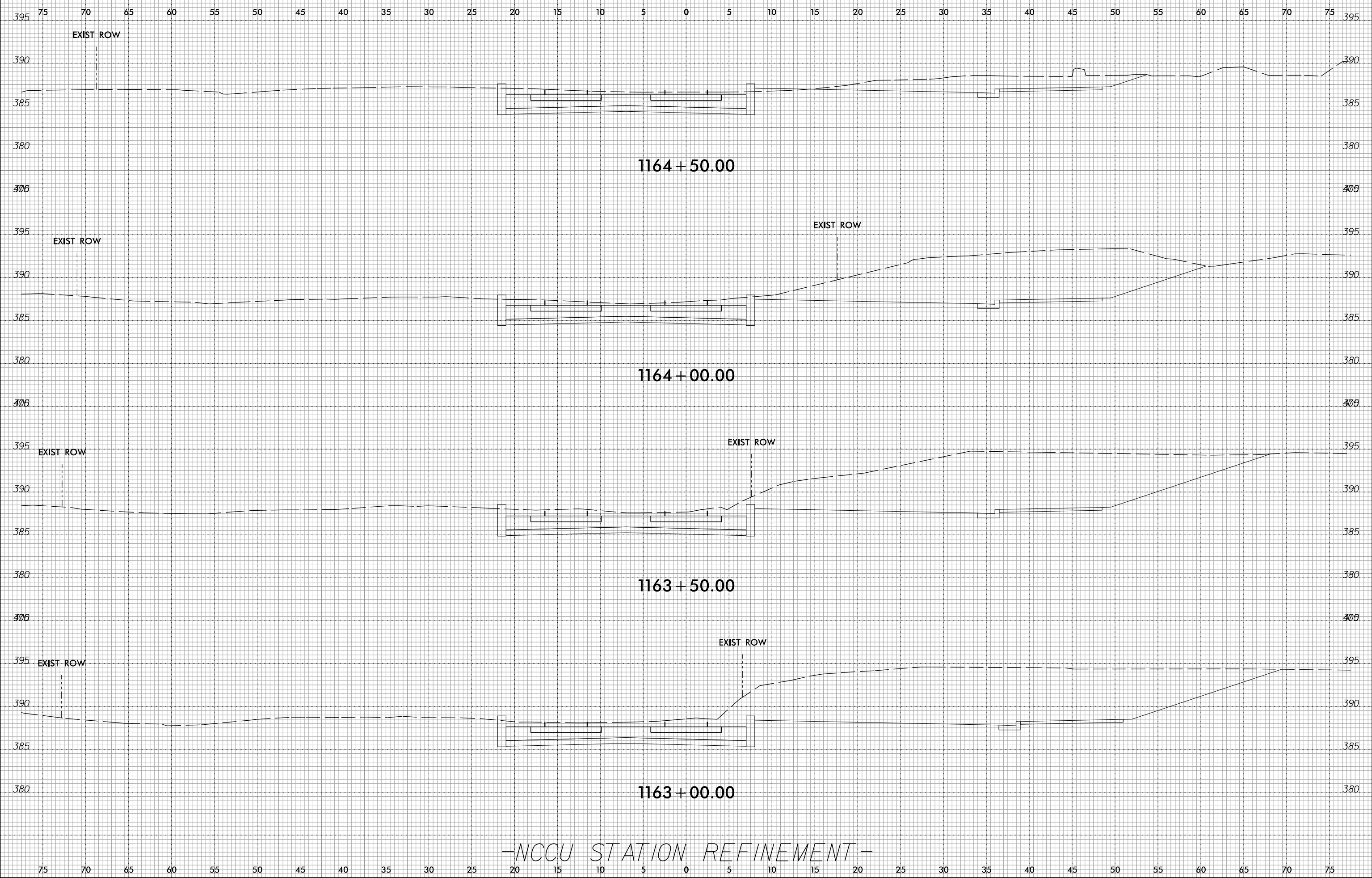
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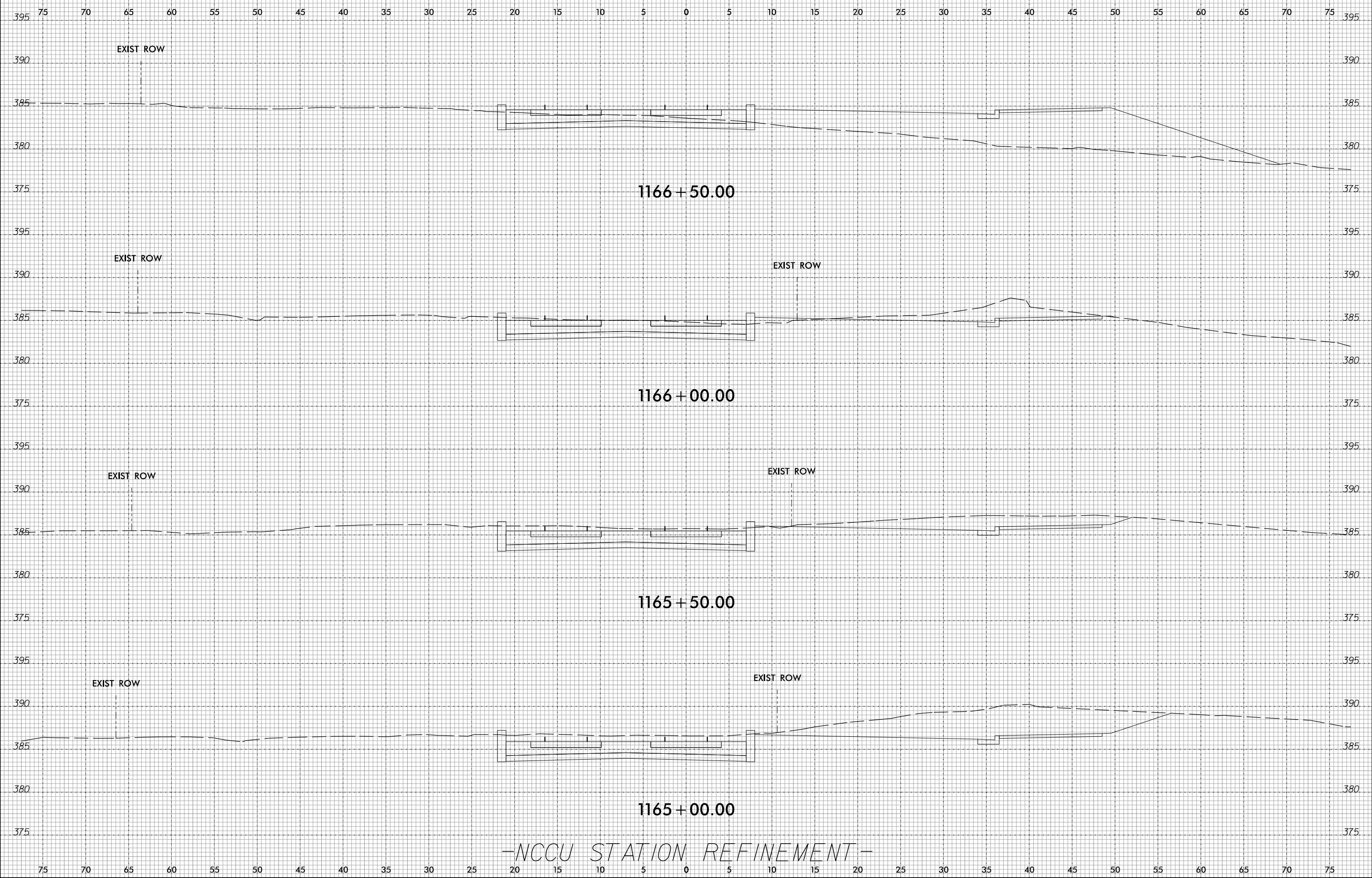


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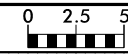
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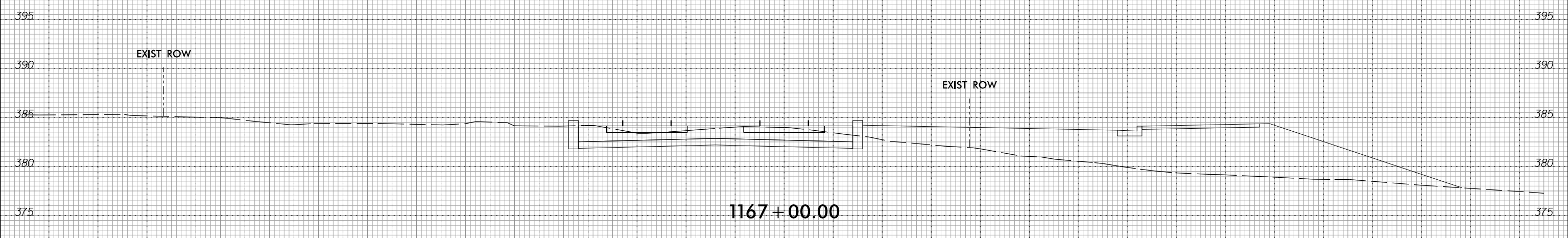
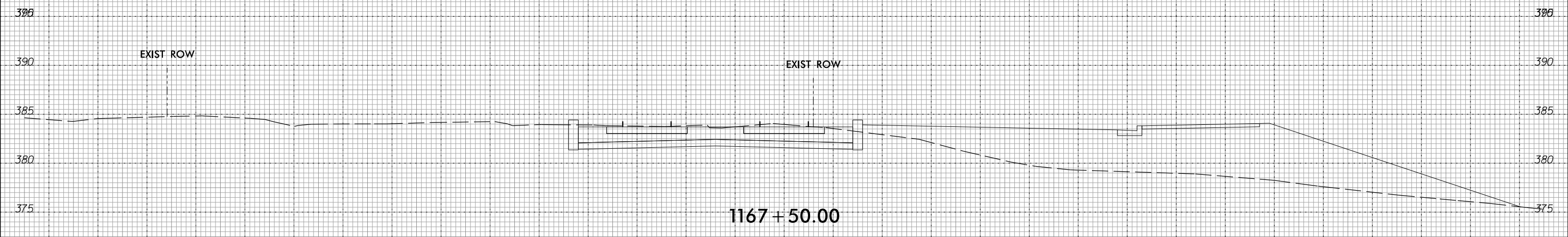
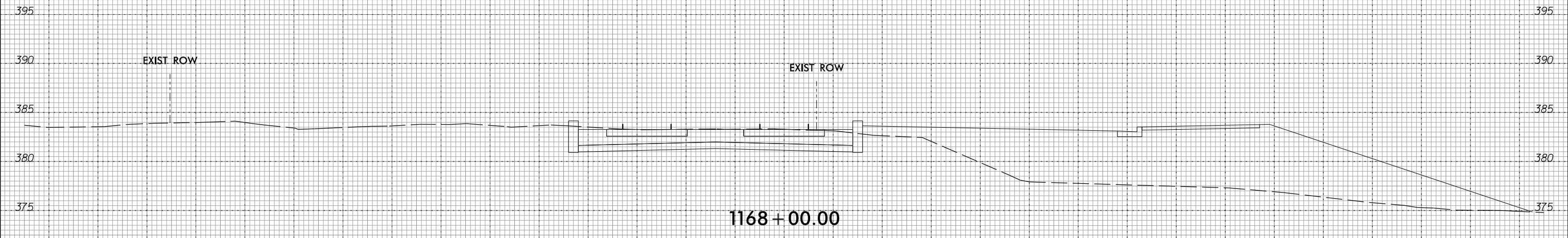
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PROJ. REFERENCE NO.	SHEET NO.
D-0 LRT	X-29

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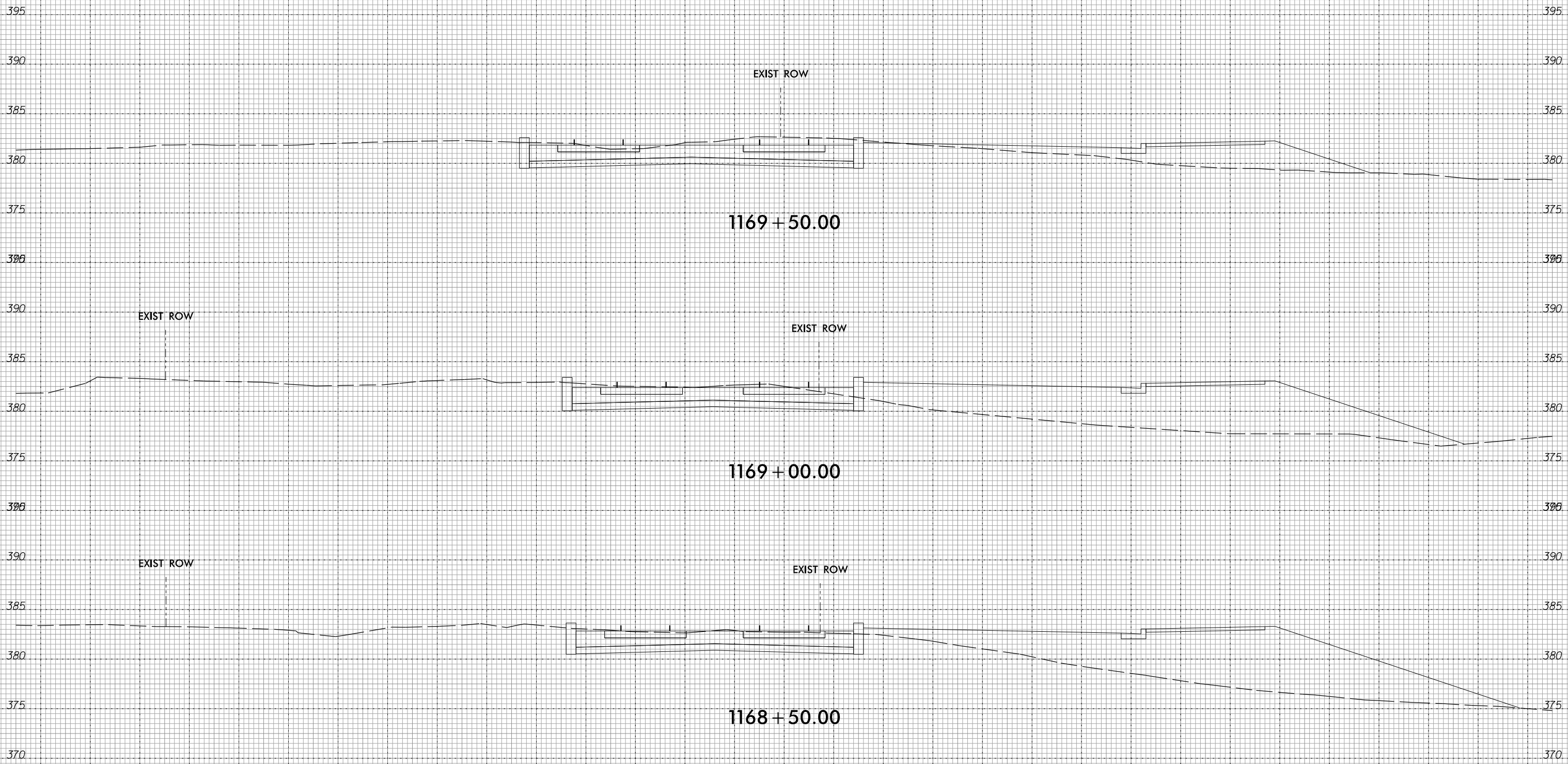
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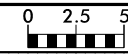
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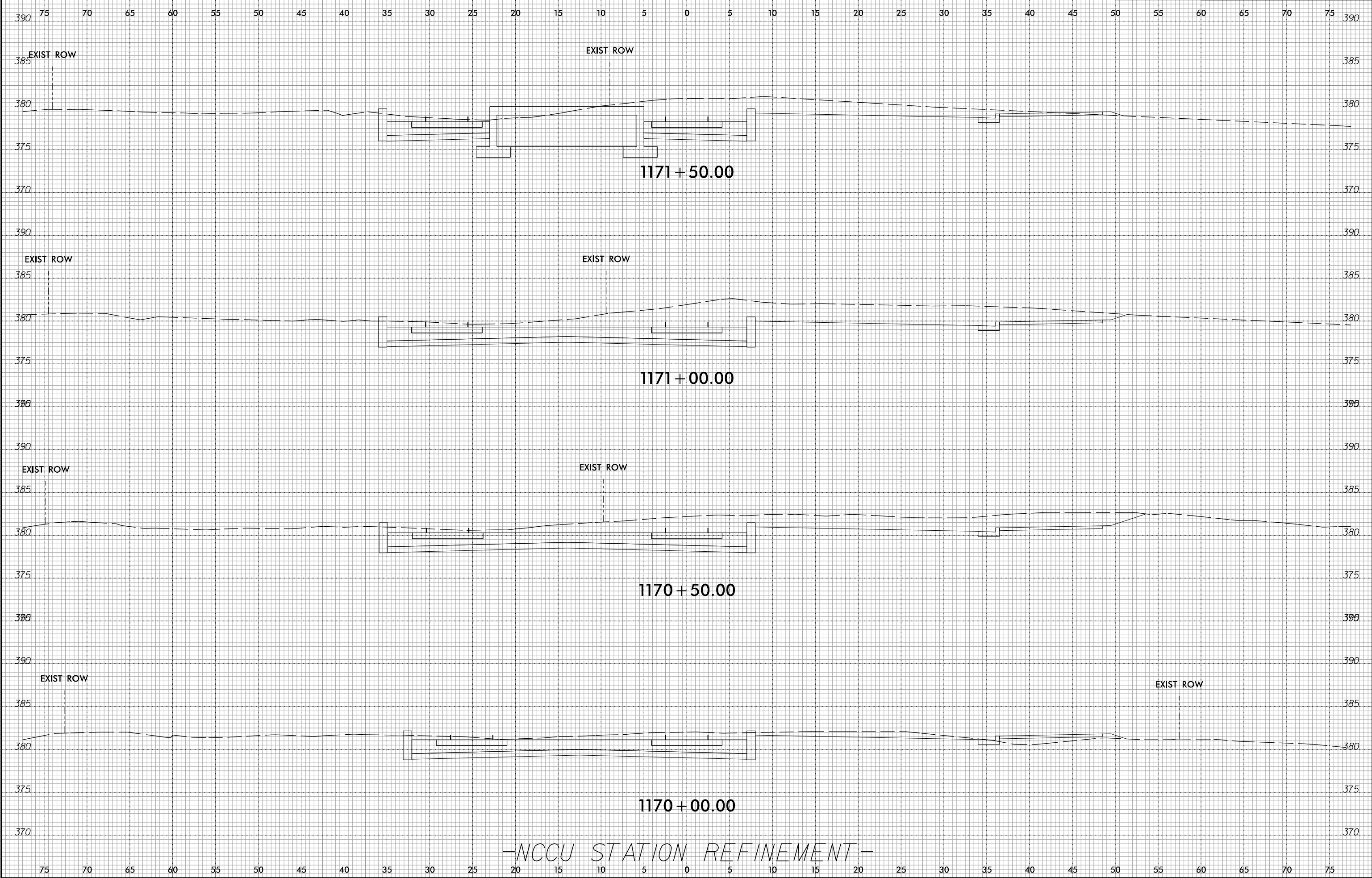
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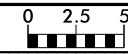
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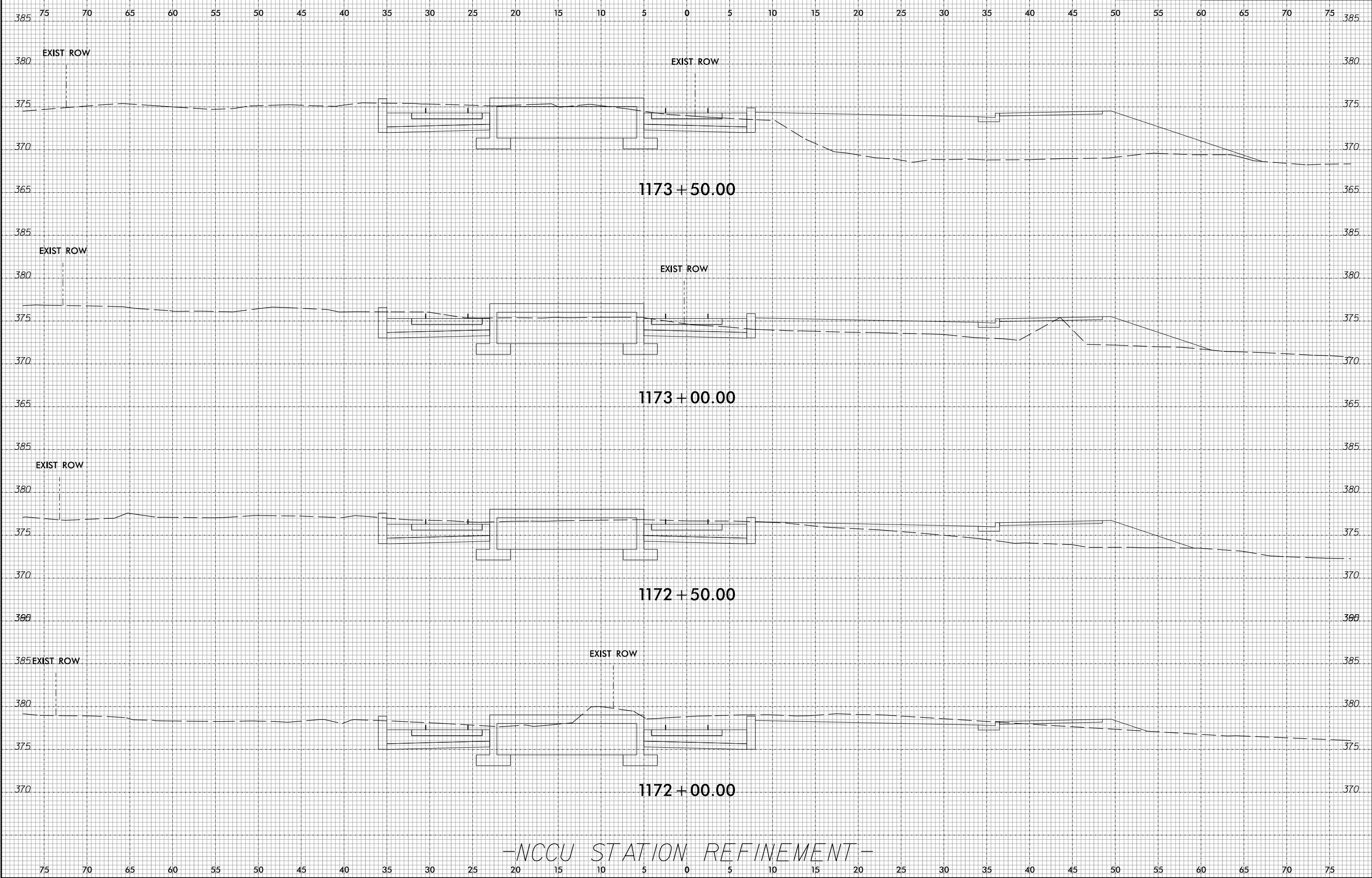
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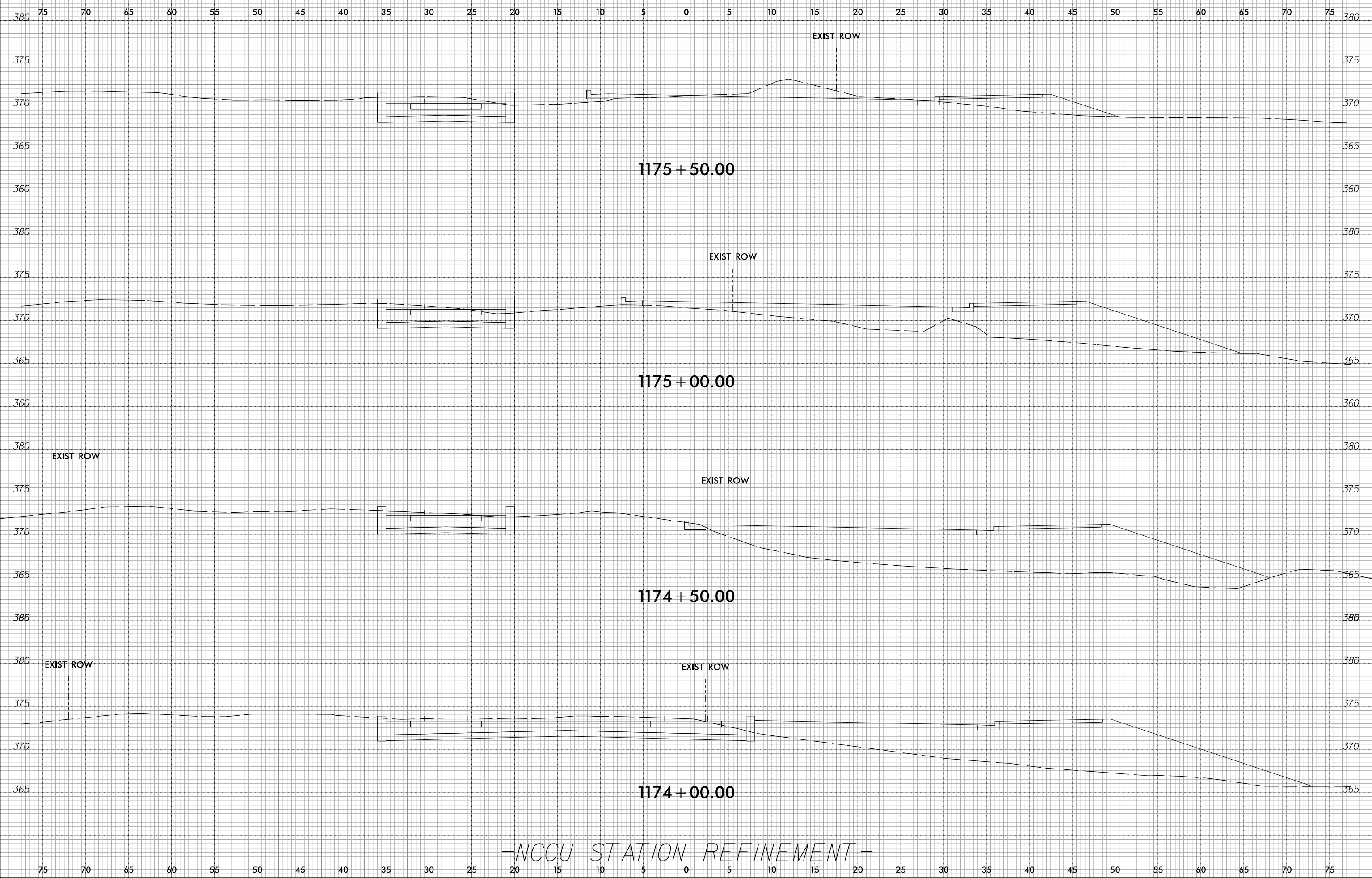
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