



# TOWN OF SCARBOROUGH

## CUMBERLAND COUNTY

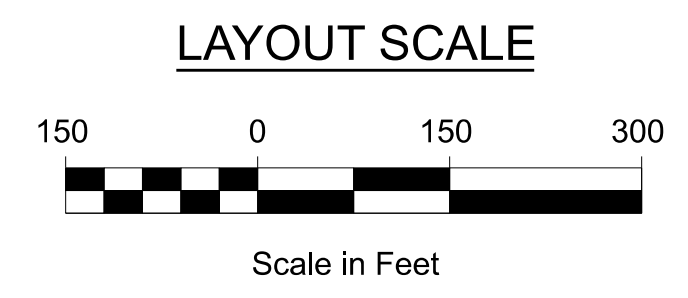
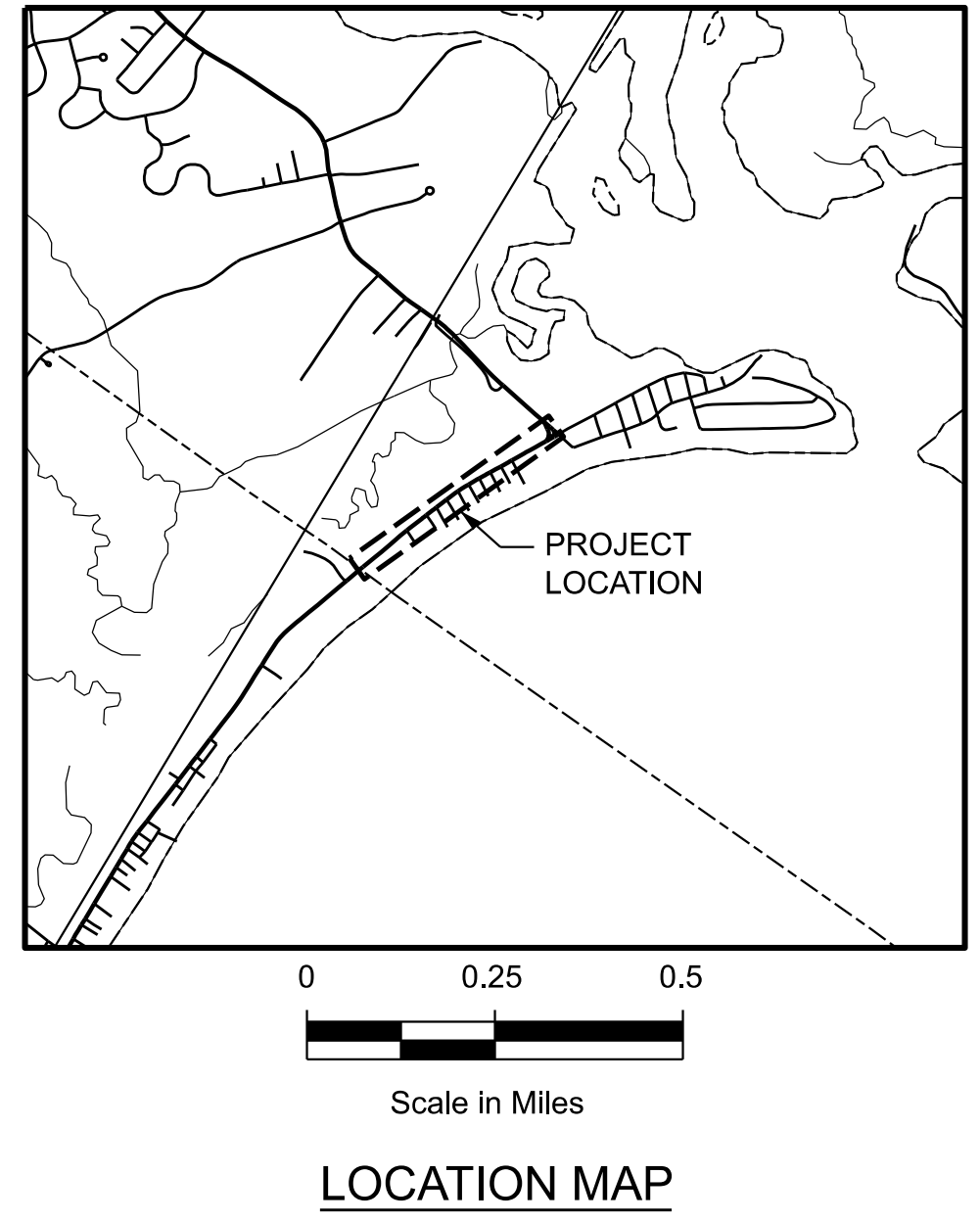
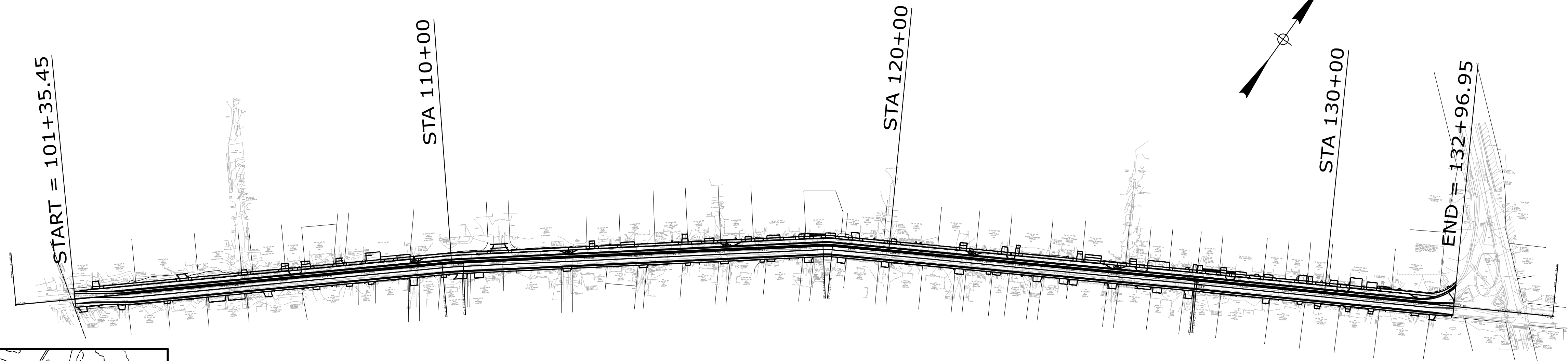
### EAST GRAND AVENUE

### ROADWAY RECONSTRUCTION

PROJECT LENGTH: 0.60 MILES

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PLAN LEGEND			
Town, County, State	-----	Catch Basins	Existing (Square) Proposed (Circle)
Property Lines	- - - - -	Manholes	Existing (Circle) Proposed (Circle)
R/W Lines-Existing	-----	Proposed Underdrain	-----
R/W Lines-Proposed	-----	Proposed Ditch	-----
Culvert-Existing	-----	Existing Ditch	-----
Culvert Proposed	-----	Utility Poles	Existing (Circle) Proposed (Circle)
Curbing Existing	-----	Fire Hydrants	Existing (Circle) Proposed (Circle)
Curbing Proposed	-----	Existing Water Line	-----
Type 1	-----	Existing San. Sewer	-----
Type 3	-----	Existing San. Sewer Manhole	-----
Type 5	-----	Guardrail-Existing	-----
Outline of Bodies of Water	-----	Guardrail-Proposed	-----
Exposed Bedrock	-----	Centerline-Existing	-----
Buildings	-----	Centerline-Proposed	-----
Trees Conifer	-----	Travelway-Existing	-----
Trees Deciduous	-----	Travelway-Proposed	-----
Tree Line	-----		
Clearing Limit Line	-----		
Railroad	-----		
Boring	HB-XXX-###	Probe	P-#.#X
Pavement Core	PC-#	#.# = Depth	
Test Pit	TP-XXX-###	X = W (Weathered Rock)	
		R (Refusal)	
		NR (No Refusal)	



<b>PROJECT LOCATION:</b>	EAST GRAND AVENUE FROM OLD ORCHARD BEACH AND SCARBOROUGH TOWN LINE TO PINE POINT INTERSECTION
<b>PROGRAM AREA:</b>	HIGHWAY
<b>SCOPE OF WORK:</b>	ROADWAY RECONSTRUCTION

**Barton & Loguidice**

NOT FOR CONSTRUCTION

SCARBOROUGH  
EAST GRAND AVENUE  
TITLE SHEET

SHEET NUMBER  
**1**  
OF 42

Date: 1/14/2026  
Username: mtwombly

**GENERAL NOTES:**

1. THIS PROJECT TO BE COMPLETED IN ACCORDANCE WITH THE MAINEDOT STANDARD SPECIFICATIONS AND STANDARD DETAILS.
2. PAVEMENT THICKNESS SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
3. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE TOWN.
4. UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL DISTURBED AREAS.
5. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN ALL AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
6. ANY DAMAGE TO THE SLOPES CAUSED BY CONTRACTOR'S EQUIPEMENT, PERSONNEL OR OPERATION SHALL BE REPAIRED TO THE SATIFACTION OF THE TOWN. ALL WORK, EQUIPEMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
7. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
8. ALL PAVED WALKS SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE BASE COURSE TYPE A AND 2 INCHES OF HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE TOWN.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING RED-LINE AS-BUILT DRAWINGS OF THE FINAL WORK TO THE TOWN. THOSE DRAWINGS SHALL BE A CLEAN SET OF PLANS SHOWING ALL CHANGES, MODIFICATIONS, AND REVISIONS TO THE BID PLANS.
10. ALL INSLOPE AND DITCHES IN THE CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE TOWN.
11. THE DESIGN ENGINEER AND THE TOWN OF SCARBOROUGH SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED AND SHALL HAVE THE RIGHT TO REJECT ANY WORK OF MATERIALS WICH DO NOT CONFORM, IN THEIR SOLE OPINION, TO THE PLANS OR SPECIFICATIONS.
12. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
13. THE CONTRACTOR SHALL USE A MAINEDOT APPROVED LAB FOR ALL FIELD SAMPLING AND TESTING. SAMPLING AND TESTING FREQUENCY AND METHODS SHALL FOLLOW MAINEDOT STANDARD SPECIFICATIONS 2020 EDITION. PAYMENT FOR THIS WORK WILL BE MADE BY INVOICE PLUS 15%.
14. CONTRACTOR SHALL SUBMIT A SUMMARY OF ALL TESTING AND SAMPLING RESULTS TO THE TOWN SCARBOROUGH AND TO THE TOWN ENGINEER.
15. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE TOWN.
16. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPERATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 604, MANHOLES, INLETS, AND CATCH BASINS.
17. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPERATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATIONS SECTION 605, UNDERDRAINS.
18. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THE THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
19. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPEMENT RENTAL AREAS.
20. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.
21. EXISTING GROUND INFORMATION WAS DEVELOPED FROM SURVEY DATA COLLECTED BY OWEN HASKELL, 2016 AND D M ROMA, 2025. ACTUAL CONDITIONS MAY VARY FROM THOSE INDICATED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
22. MIRRORS MUST BE A CONVEX, UNBREAKABLE TRAFFIC MIRROR OF AT LEAST 40 INCHES IN DIAMETER. THE MIRROR MUST BE INSTALLED ON A CRASH WORTHY POST (STANDARD METAL SIGN POST OR PRESSURE TREATED WOODEN POST 4 INCHES BY 4 INCHES). THE MIRROR MUST NOT BE ATTACHED TO A UTILITY POLE.
23. ITEM 645.116 - REINSTALL REGULATORY, WARNING, CONFIRMATION, AND ROUTE MARKER ASSEMBLY SIGN SHALL INCLUDE ALL REQUIRED WORK FOR REMOVING AND RESETTING EXISTING SIGNS AND SIGN POLES.
24. EROSION AND SEDIMENT CONTROLS SHALL MEET CURRENT MAINE DEP STANDARDS AND BEST MANAGEMENT PLAN. EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO WORK AND SHALL BE INSPECTED ON A DAILY BASIS. THIS WORK SHALL BE PAID UNDER ITEM 656.75 - TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL.

**GENERAL NOTES (CONT.):**

25. THE TOWN RESERVES THE RIGHT TO ADJUST BID ITEM QUANTITIES BASED ON BID RESULTS AND BUDGET LIMITATIONS.
26. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL SURPLUS MATERIAL.
27. THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM EDGE OF SIDEWALK PAVEMENT.
28. THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM EDGE OF THE SHOULDER PAVEMENT.
29. ALTERNATING AND ADJUSTING WATER, SEWER, ELECTRICAL, TELEPHONE, OR OTHER UTILITY GATES, MANHOLES (EXCEPTING DRAINAGE MANHOLES AND CATCH BASINS), AND JUNCTION BOXES TO GRADE SHALL BE INCIDENTAL TO THE WORK.
30. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
31. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE TOWN. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
32. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL OF 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 3 INCHES OF UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE TOWN.
33. CRUSHED STONE ENTRANCES SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF CRUSHED STONE SURFACE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE TOWN.
34. GRASS ENTRANCES SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF LOAM, SEEDED & MUCHED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE TOWN.
35. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
36. ALL PAVED WALKS SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE TOWN.
37. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE TOWN UNDER THE APPROPRIATE PAY ITEMS.
38. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE TOWN.
39. AS DIRECTED BY THE TOWN, ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED, CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
40. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISABLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
41. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

**TEMPORARY TRAFFIC CONTROL NOTES:**

1. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL AS NECESSARY AND PERFORM REQUIRED WORK IN A MANNER THAT WILL CAUSE MINIMAL DISRUPTION TO TRAFFIC.
2. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLANS MEETING MAINEDOT AND MUTCD STANDARDS TO THE TOWN FOR APPROVAL PRIOR TO COMMENSING CONSTRUCTION ACTIVITIES.
3. ALL CONSTRUCTION/TRAFFIC CONTROL SIGNS SHALL CONFORM TO REQUIREMENTS OF MAINEDOT AND MUTCD, AND WILL BE INSTALLED PRIOR TO START OF CONSTRUCTION.
4. CONTRACTOR TO COORDINATE WITH TOWN AND SCHOOL DEPARTMENTS AND LOCAL EMERGENCY SERVICES TO NOTIFY OF ROAD CLOSURE. IF REQUIRED, 1 WEEK AND 2 DAYS PRIOR.
5. CONTRACTOR RESPONSIBLE FOR MAINTAINING SAFE TRAFFIC OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
6. CONTRACTOR TO REGULARLY REVIEW TEMPORARY CONSTRUCTION SIGNS AND ENSURE ALL ARE MAINTAINED AND IN PLACE OR ARE REPLACED IF MISSING.
7. SIGNS TO BE PLACED IN LOCATIONS THAT MAXIMIZE VISABILITY. CONTRACTOR TO INSTALL SIGNS WITHIN R.O.W. AND NOT BLOCKING PRIVATE PROPERTY ACCESS.
8. CONTRACTOR SHALL MAINTAIN ONE LANE OF ALTERNATING TRAFFIC UNLESS OTHERWISE DIRECTED BY THE TOWN OR THE ENGINEER.
9. ALL WORK AND ITEMS RELATED TO TEMPORARY TRAFFIC CONTROL SHALL BE PAID FOR UNDER ITEM 652.361 - MAINTENANCE OF TRAFFIC CONTROL DEVICES.

**UTILITY NOTES:**

1. PRIOR TO CONSTRUCTION, EXCAVATION, BORING, ETC., THE CONTRACTOR MUST NOTIFY DIG SAFE AND A SITE IDENTIFICATION NUMBER AND DIGSAFE DATE MUST BE OBTAINED.
2. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE AT LEAST 72 HOURS PRIOR TO EXCAVATION AND TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. THE CONTRACTOR SHALL COMPLETE TEST PITS IN AREAS WHERE POTENTIAL UTILITY CONFLICTS MAY EXIST. TEST PITS SHALL BE PAID UNDER ITEM 832.07 - OWNER'S TESTING ALLOWANCE.
3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH UTILITIES IMPACTED BY THE WORK UPON AWARD OF THE CONTRACT. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES SO THAT THE REQUIRED UTILITIES HAVE BEEN RELOCATED BY THE RESPECTIVE UTILITY COMPANIES.
4. CONTRACTOR TO CONTACT AND NOTIFY ALL UTILITIES PRESENT WITHIN AND ADJACENT TO THE PROJECT SITE OF PLANNED CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND UTILITIES AND SHALL VERIFY ALL UTILITIES AND THEIR LOCATIONS PRIOR TO COMMENCING WORK.
6. DAMAGE TO ANY UTILITIES CAUSED BY THE CONTRACTOR'S ACTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE AT THEIR COST.
7. CONTACT INFORMATION FOR RELEVANT UTILITIES:  
  
TBD

**Barton & Loguidice**

**NOT FOR CONSTRUCTION**

PROJ. MANAGER	DATE
CHECKED-REVIEWED	01/2026
DESIGN-DETAILED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

**SCARBOROUGH EAST GRAND AVENUE GENERAL NOTES**

**SHEET NUMBER**  
**2**  
**OF 42**

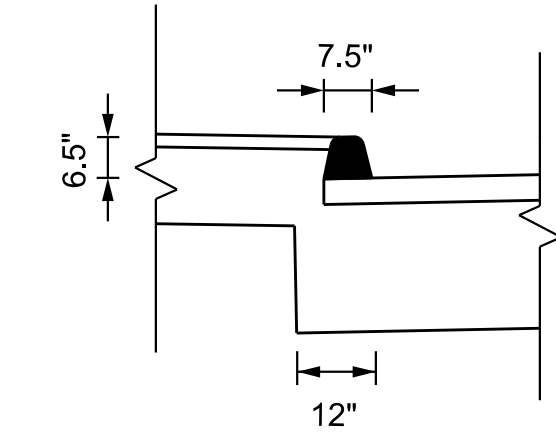
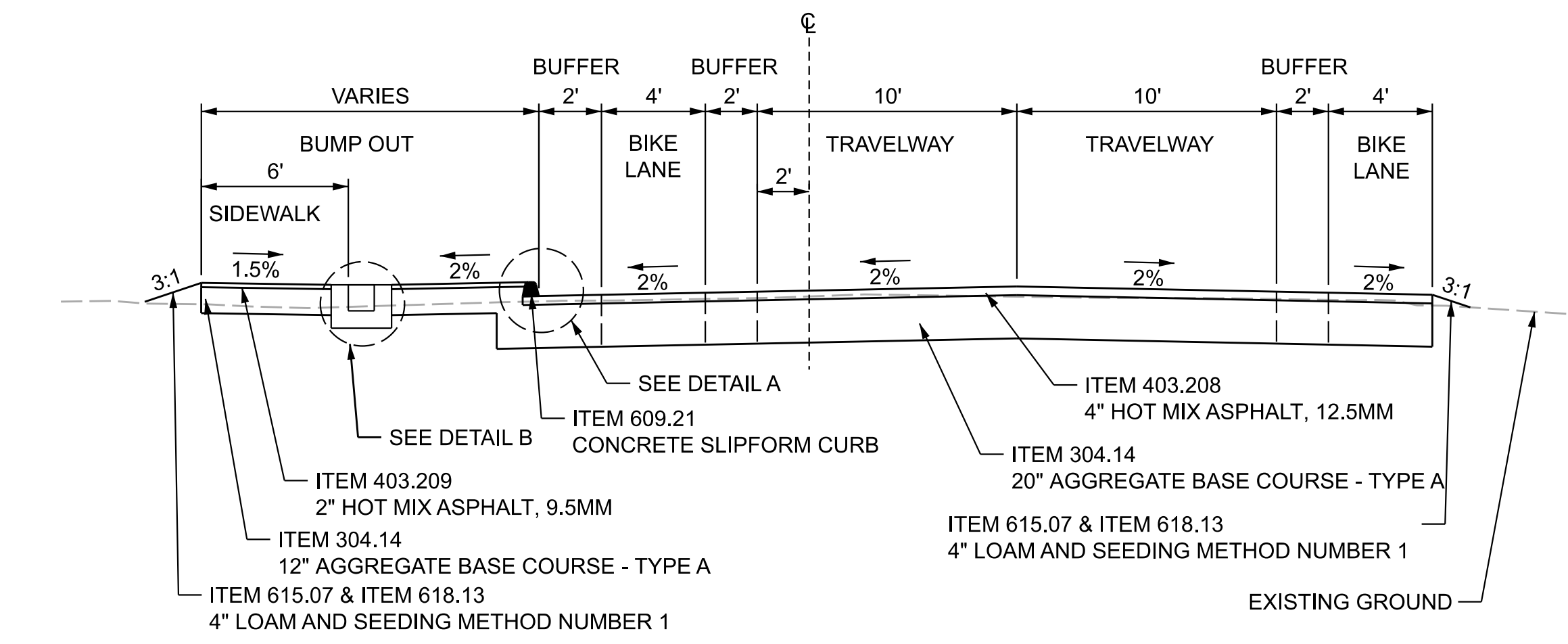
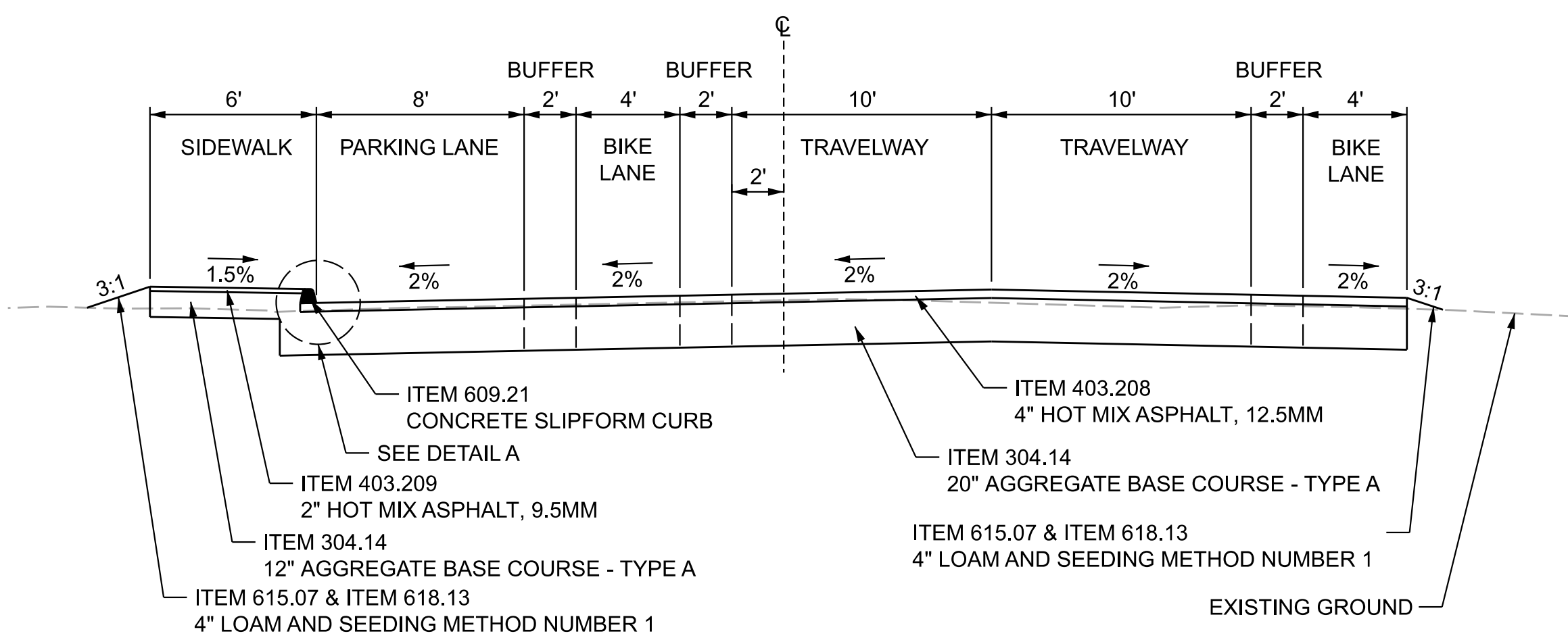
PROJ. MANAGER	DATE
NWMT	01/2026

DESIGN-REVIEWED	REVISIONS 1
DESIGN-REVIEWED	REVISIONS 2
DESIGN-REVIEWED	REVISIONS 3
DESIGN-REVIEWED	REVISIONS 4
DESIGN-REVIEWED	FIELD CHANGES

SHEET NUMBER

**3**  
OF 42

**SCARBOROUGH EAST GRAND AVENUE TYPICAL SECTIONS**



PROJECT NAME: FILE # ID\_FC\_ASPHALT

**NDS** We put water in its place

**INSTALLATION DETAIL**

CHANNEL NOMINAL WIDTH	DIN LOAD CLASS	DIN LOAD CLASS				
		CLASS A PEDESTRIAN 15kN/2500 LBS	CLASS B LIGHT DUTY 125kN/28000 LBS	CLASS C MEDIUM DUTY 250kN/56000 LBS	CLASS D HEAVY DUTY 400kN/90000 LBS	CLASS E EXTRA HEAVY 600kN/135000 LBS
NW100	4"	X = 4"	X = 4"	X = 6"	X = 6"	X = 8"
NW200	8"	X = 6"	X = 8"	X = 8"	X = 8"	X = 10"
NW300	12"	X = 8"	X = 10"	X = 10"	X = 12"	X = 12"

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. REFER TO NDS FILCOTEN INSTALLATION MANUAL FOR FURTHER DETAILS. ENTIRE SYSTEM SHALL BE MANUFACTURED BY NDS FILCOTEN. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT.

NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. EXPANSION AND CONTRACTION CONTROL JOINTS ARE RECOMMENDED TO PROTECT THE CHANNEL AND SURROUNDING CONCRETE. CONSULT WITH AN ENGINEER NECESSARY.  
3. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 4000 PSI AND VIBRATION TO ELIMINATE AIR POCKETS IS RECOMMENDED.  
4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS AND CONTRACTORS FOR PLANNING PURPOSES.  
5. RECESS CHANNEL/GRATE 2" FOR PEDESTRIAN TRAFFIC OR 2" FOR VEHICULAR TRAFFIC.  
6. DRAWING IS NOT TO SCALE.

**FILCOTEN** a brand of NGS

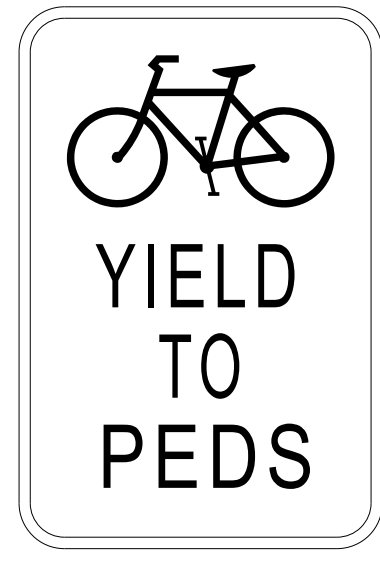
**FILCOTEN INSTALLATION DETAIL**  
NW100, NW200, NW300 CLASS A-E, ASPHALT

FOR PRODUCT ASSISTANCE, CONTACT NDS TECHNICAL SERVICE AT [techservice@ndspro.com](mailto:techservice@ndspro.com), DESIGN ASSISTANCE- [designworx@ndspro.com](mailto:designworx@ndspro.com)  
851 N. HARVARD AVE. LINDSAY, CA 93247 WWW.NDSPROG.COM 1-800-726-1994

SAVE DATE: 5/19/2021 6:41 AM TEMPLATE: QMS-TMP-8.3-05 REV 1.0 - 3/24/2020

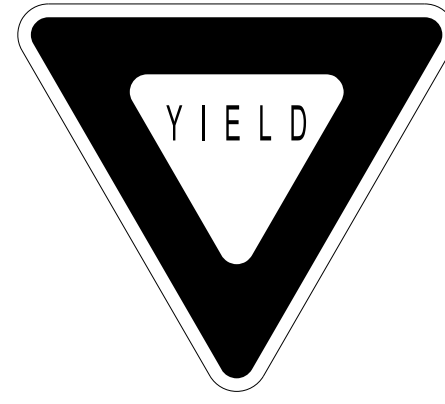
**DETAIL B - FILCOTEN TRENCH DRAIN INSTALLATION DETAIL**  
NOT TO SCALE

Date: 1/14/2026  
Username: mtwombly



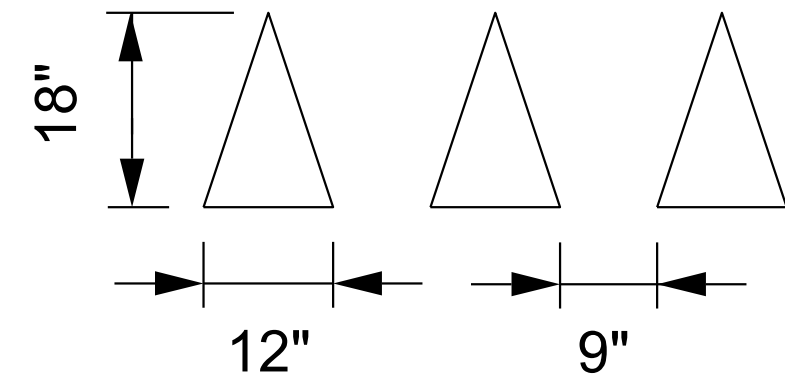
A

R9-6 (BICYCLISTS YIELD TO PEDESTRIANS)  
12" X 18"  
NOT TO SCALE

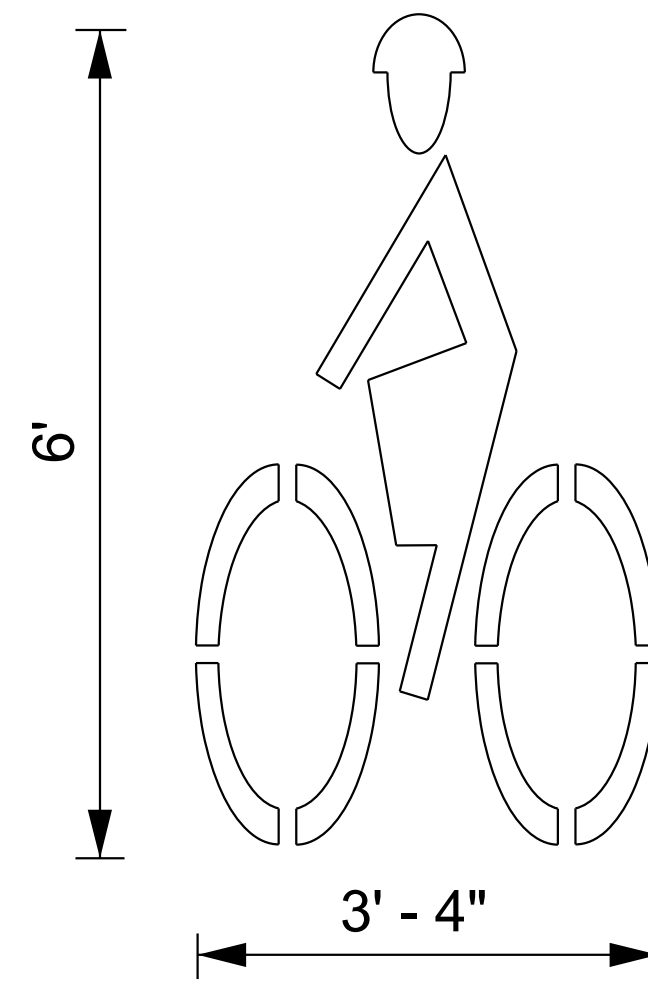


E

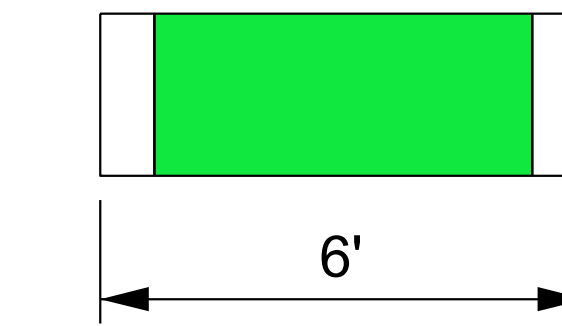
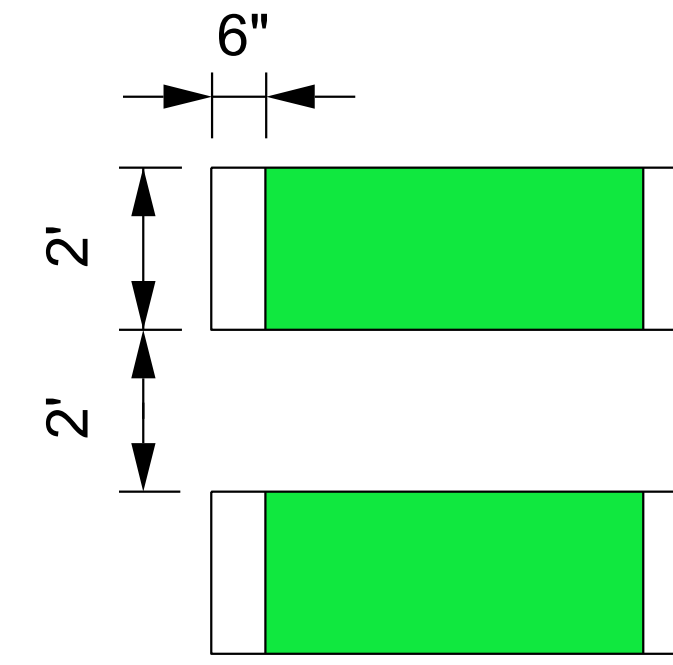
R1-02 (YIELD)  
36" X 36" X 36"  
NOT TO SCALE



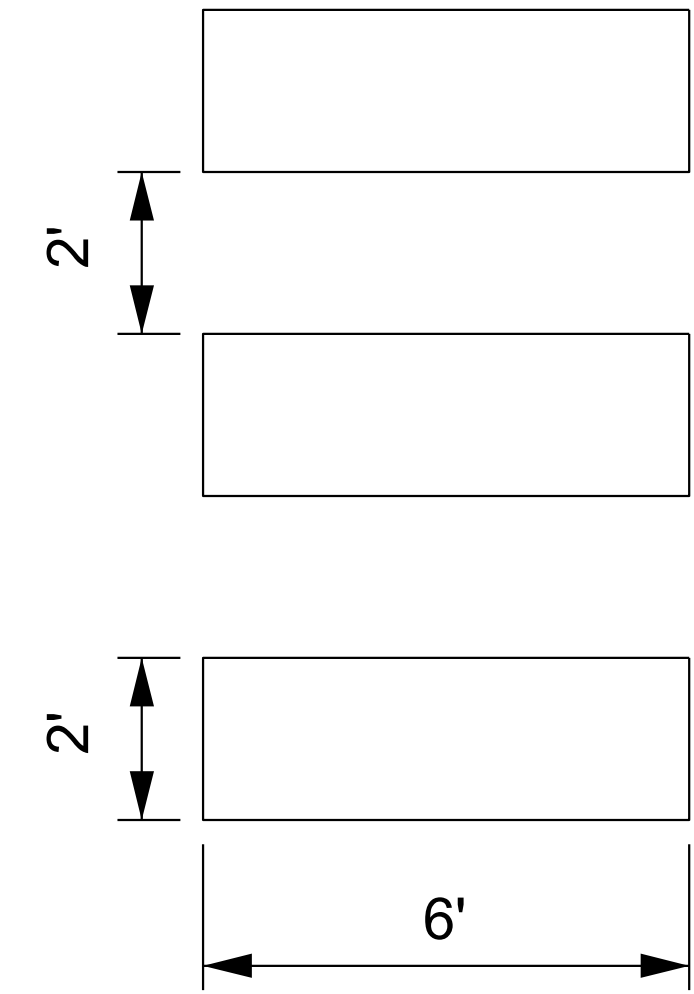
YIELD LINE  
NOT TO SCALE



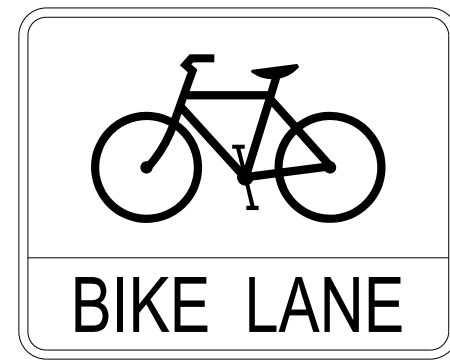
BIKE WITH PASSENGER  
6' X 3'-4"  
NOT TO SCALE



BIKE CROSSING  
6' X 2' W/ 2' SPACING  
NOT TO SCALE

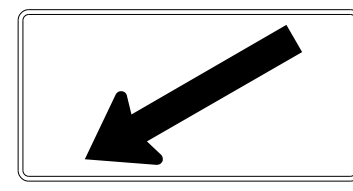


PEDESTRIAN CROSSING  
6' X 12" W/ 12" SPACING  
NOT TO SCALE



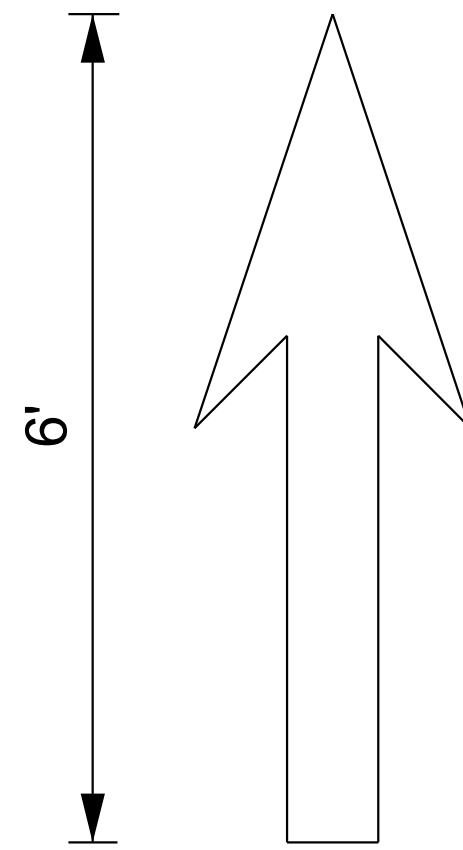
B

R3-17 (BIKE LANE)  
24" X 18"  
NOT TO SCALE

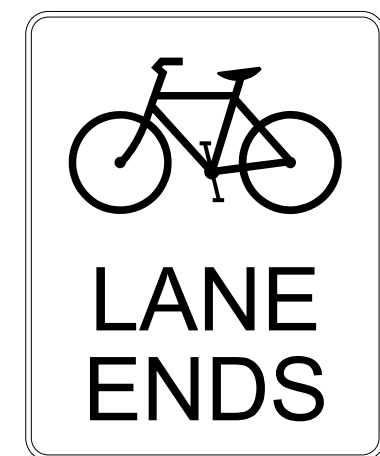


F

W16-07PL (DIAGONAL ARROW)  
24" X 12"  
NOT TO SCALE

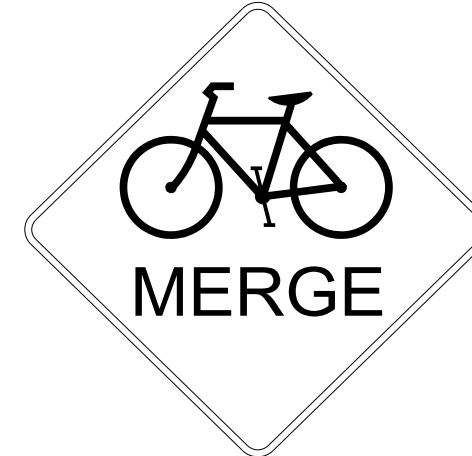


BIKE LANE DIRECTIONAL ARROW  
NOT TO SCALE



C

R3-16a (BIKE LANE ENDS)  
24" X 30"  
NOT TO SCALE



G

W9-5a (BICYCLES MERGING)  
24" X 24"  
NOT TO SCALE



D

W11-01 (BIKE TRAFFIC AHEAD)  
24" X 24"  
NOT TO SCALE



H

W11-02 (PEDESTRIAN TRAFFIC AHEAD)  
24" X 24"  
NOT TO SCALE

### EXISTING SIGNS

i

REMOVE AND RESET  
EXISTING PARKING SIGN

m

REMOVE AND RESET  
EXISTING ADA PARKING SIGN

j

REMOVE AND RESET EXISTING  
PEDESTRIAN (CROSSING SIGN)  
AND DIAGONAL ARROW SIGN

n

REMOVE AND RESET  
EXISTING SPEED LIMIT SIGN

k

REMOVE AND RESET  
EXISTING STOP SIGN

o

REMOVE AND RESET  
EXISTING STREET SIGN

l

REMOVE AND RESET  
EXISTING WOOD SIGN

p

REMOVE AND RESET  
EXISTING BUSINESS SIGN

PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SCARBOROUGH  
EAST GRAND AVENUE  
DETAILS

SHEET NUMBER

4

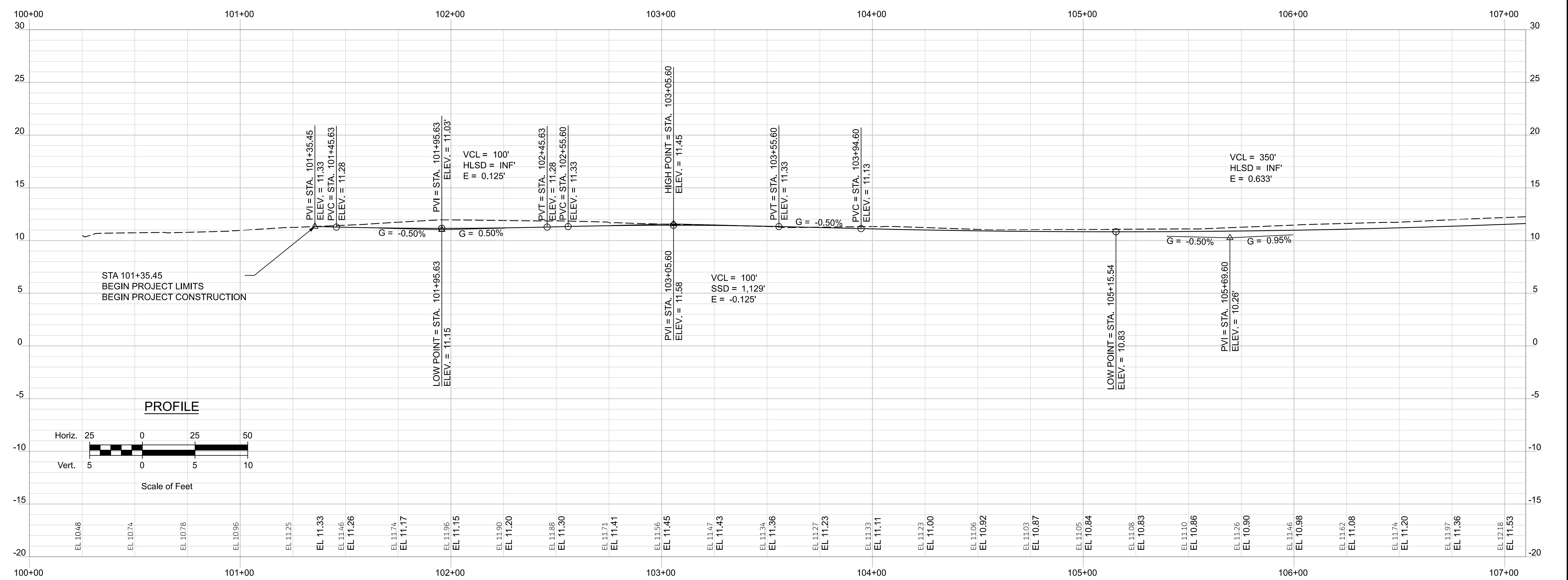
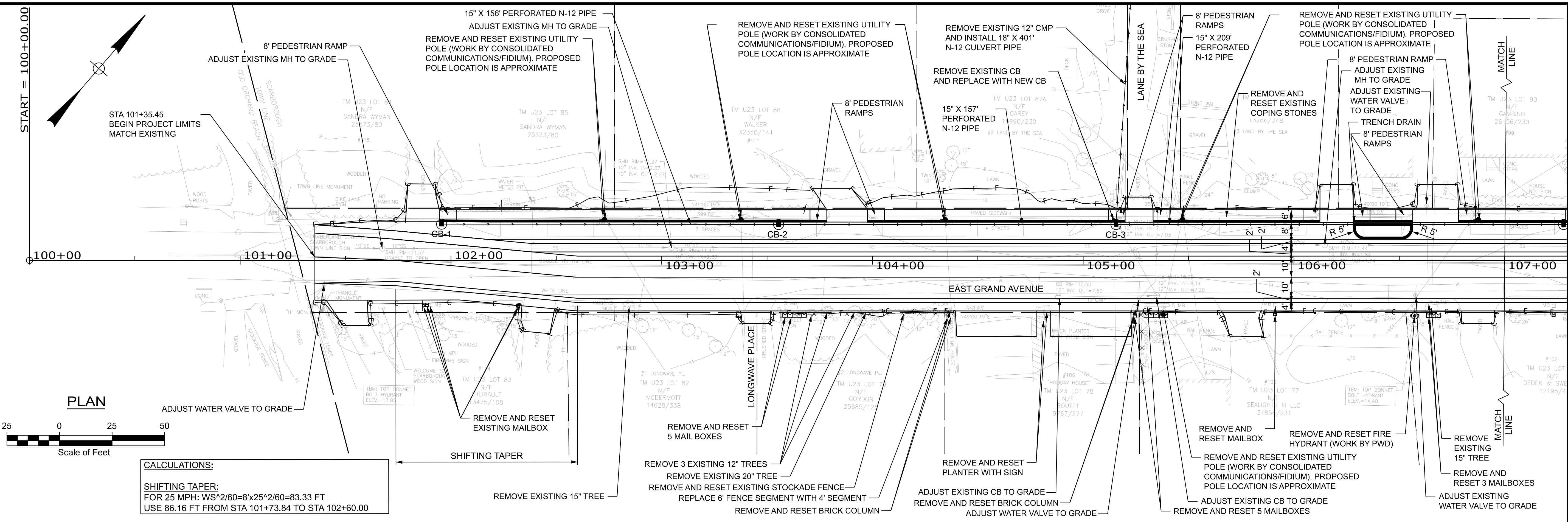
OF 42

SEE LAYOUT SHEETS 11, 12 & 13



PROJ. MANAGER	DATE
MMT	01/2026
CHECKED-REVIEWED	
DESIGNED-DETAILER	
DESIGNED-DETAILER	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

### SCARBOROUGH EAST GRAND AVENUE PLAN/PROFILE SHEET 1/5



Username: mtwombly Date: 1/14/2026



NOT FOR CONSTRUCTION

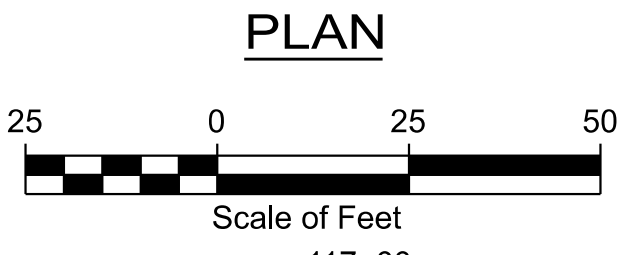
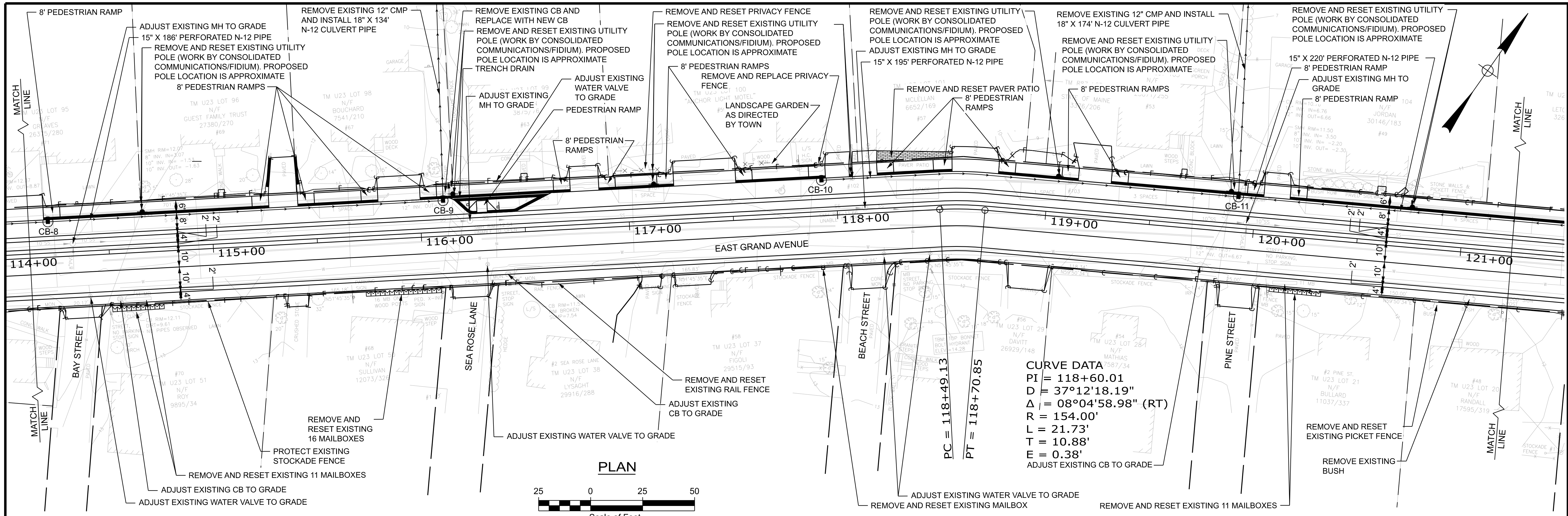
PROJ. MANAGER	DATE
mtwombly	01/2026
CHECKED-REVIEWED	
DESIGNED-REVIEWED	
DESIGNED-DETAILER	
DESIGNED-DETAILER	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SCARBOROUGH  
EAST GRAND AVENUE  
PLAN/PROFILE SHEET 3/5

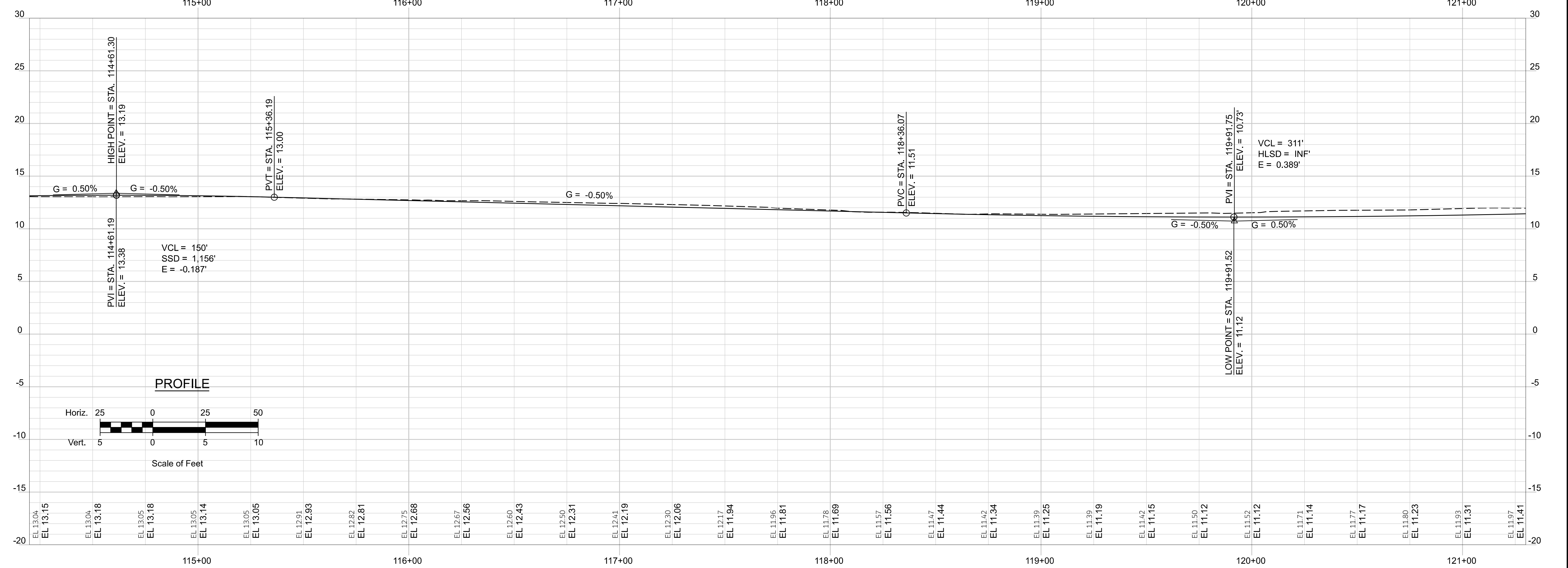
SHEET NUMBER

8

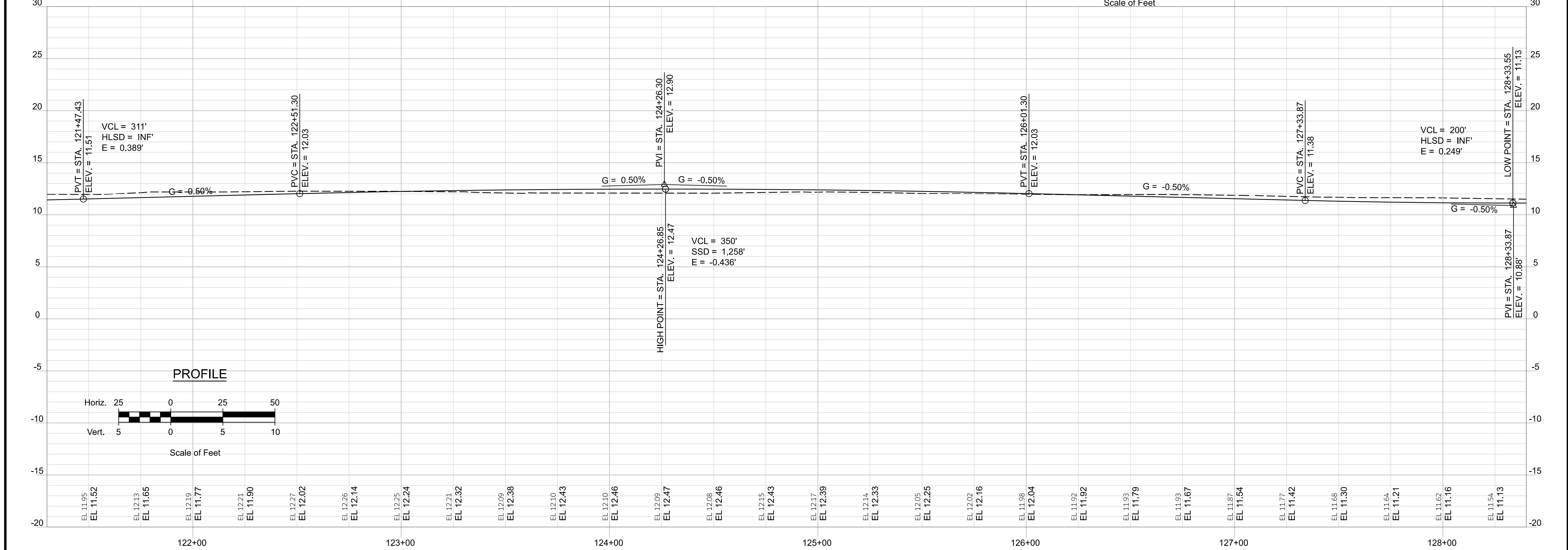
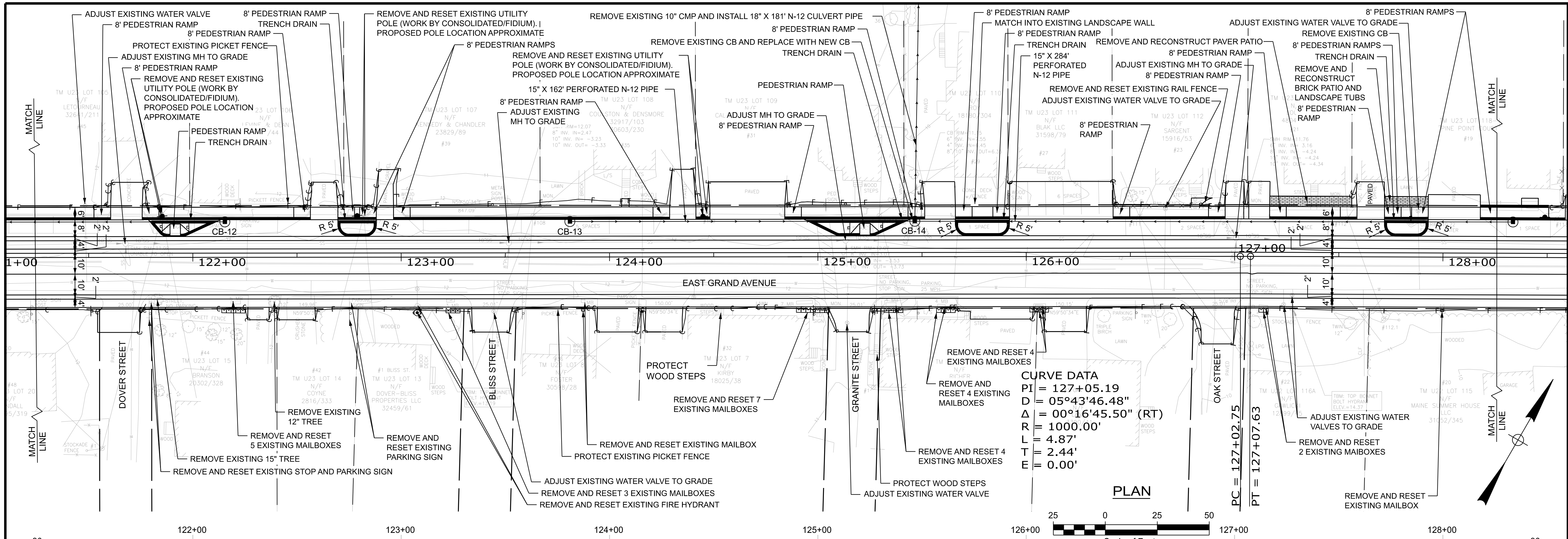
OF 42



**CURVE DATA**  
 PI = 118+60.01  
 D = 37°12'18.19"  
 Δ = 08°04'58.98" (RT)  
 R = 154.00'  
 L = 21.73'  
 T = 10.88'  
 E = 0.38'  
 ADJUST EXISTING CB TO GRADE



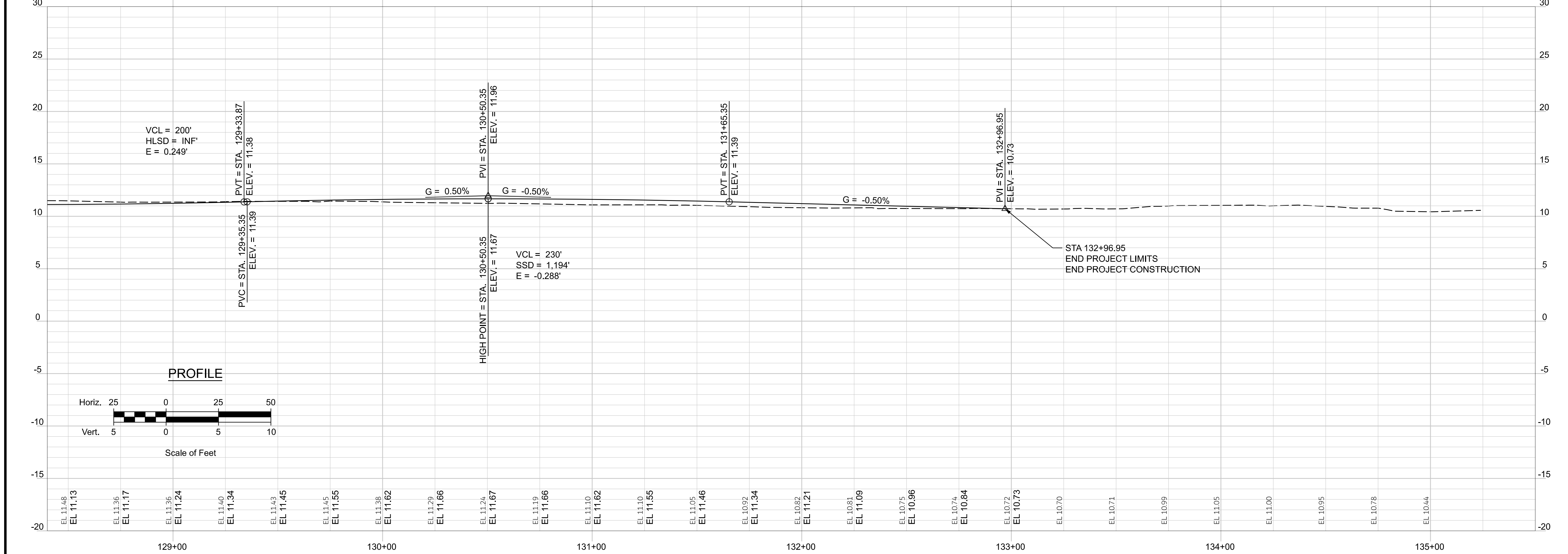
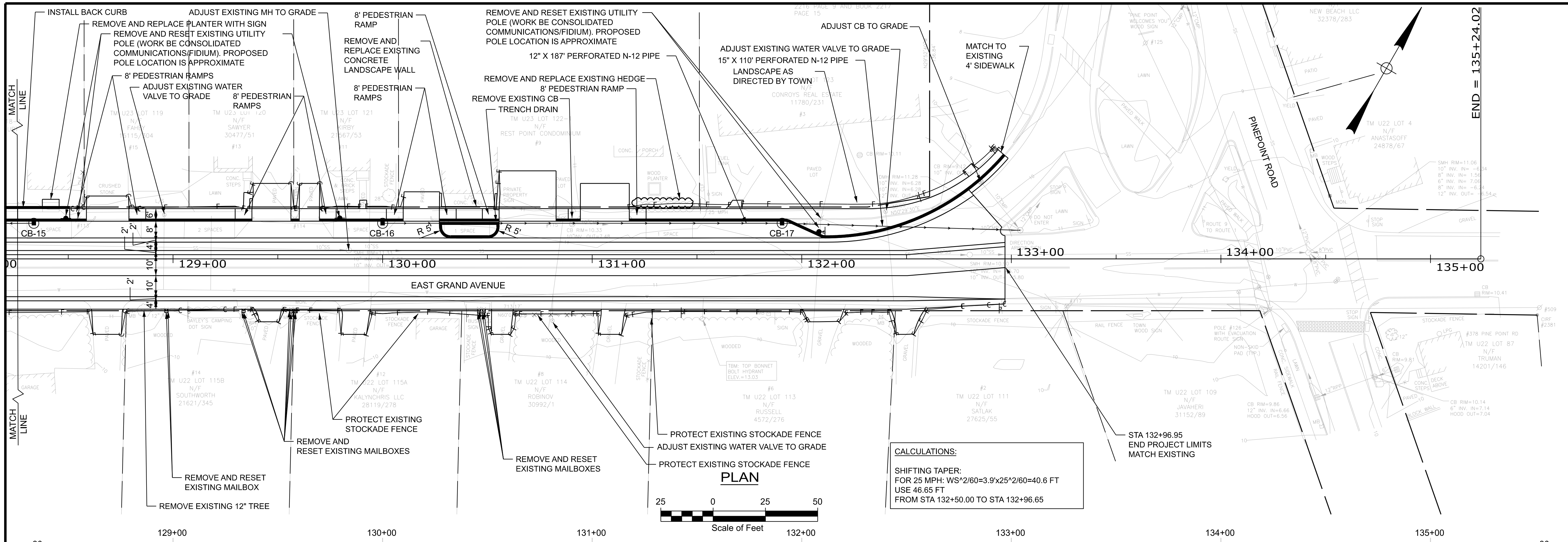
NOT FOR CONSTRUCTION



PROJ. MANAGER	DATE
BY	01/2026
CHECKED-REVIEWED	
DESIGNED-REVIEWED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SCARBOROUGH  
 EAST GRAND AVENUE  
 PLAN/PROFILE 4/5

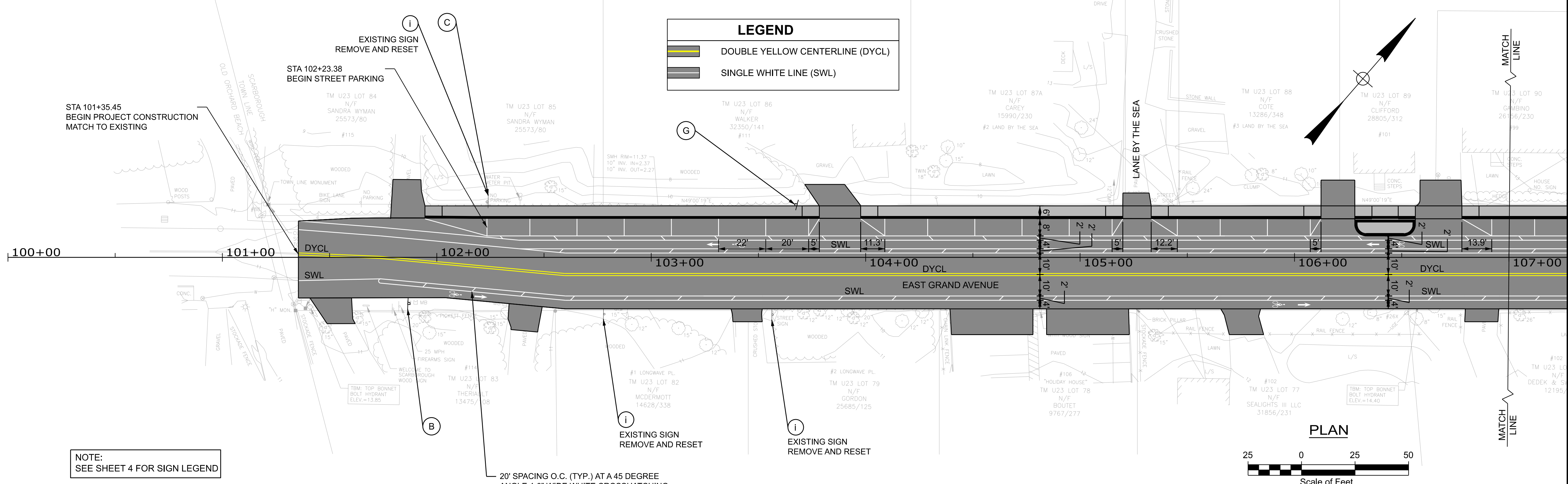
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**9**  
 OF 42



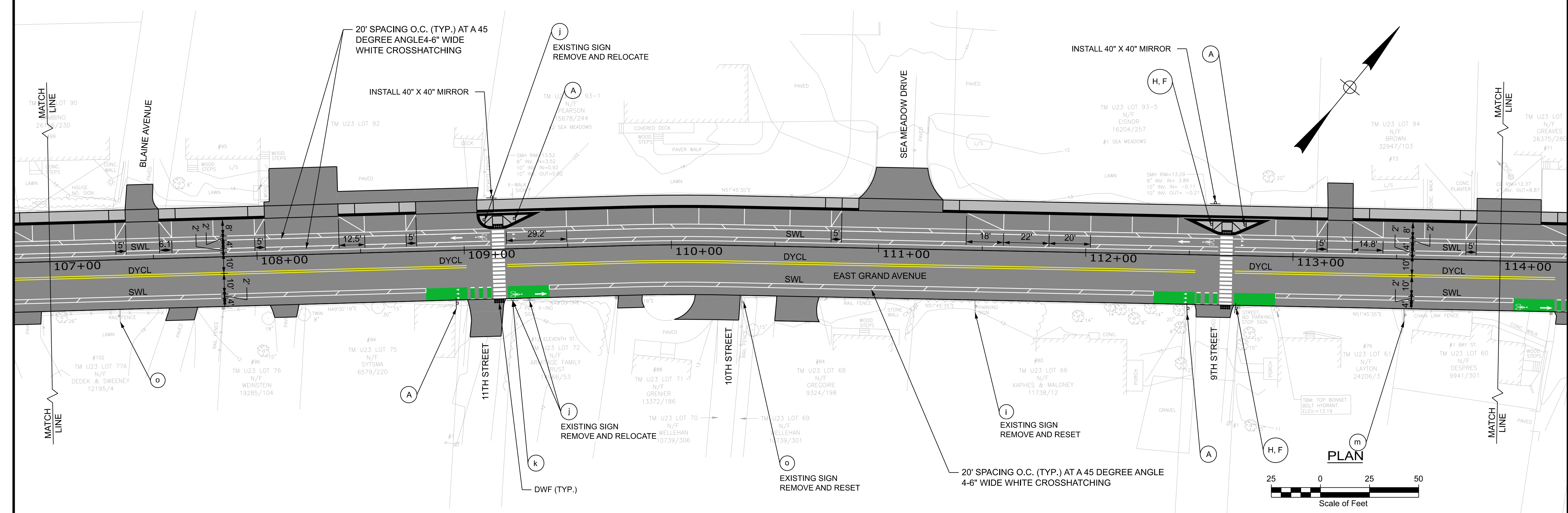
PROJ. MANAGER	DATE
BY: NMT	01/2026
CHECKED-REVIEWED	
DESIGNER-DETAILER	
DESIGNER-DETAILER	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

**LEGEND**

- DOUBLE YELLOW CENTERLINE (DYCL)
- SINGLE WHITE LINE (SWL)



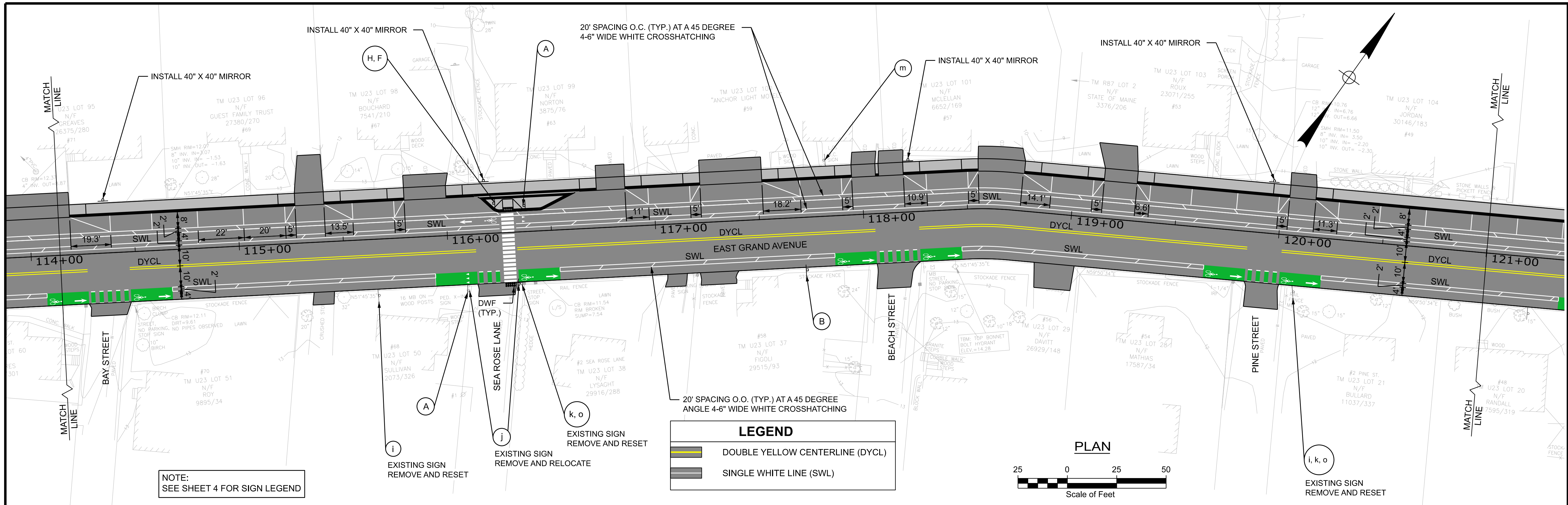
NOTE:  
SEE SHEET 4 FOR SIGN LEGEND



Date: 1/14/2026  
Username: mtwombly

PROJ. MANAGER	DATE
MMT	01/2026
CHECKED-REVIEWED	
DESIGN-REVIEWED	
DESIGN-DETAILER	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

PROJ. MANAGER	DATE
	01/20/26
CHECKED-DETAILED	
CHECKED-REVIEWED	
DESIGN-DETAILED	
DESIGN-REVIEWED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	



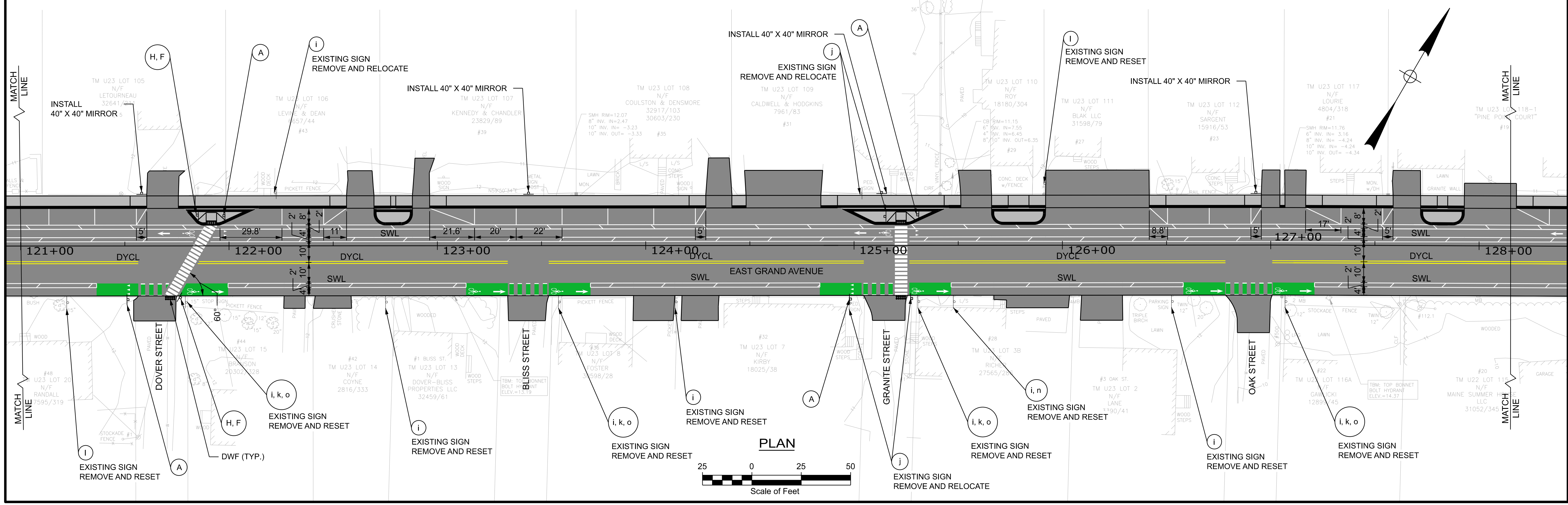
**LEGEND**

- DOUBLE YELLOW CENTERLINE (DYCL)
- SINGLE WHITE LINE (SWL)

**PLAN**

Scale of Feet

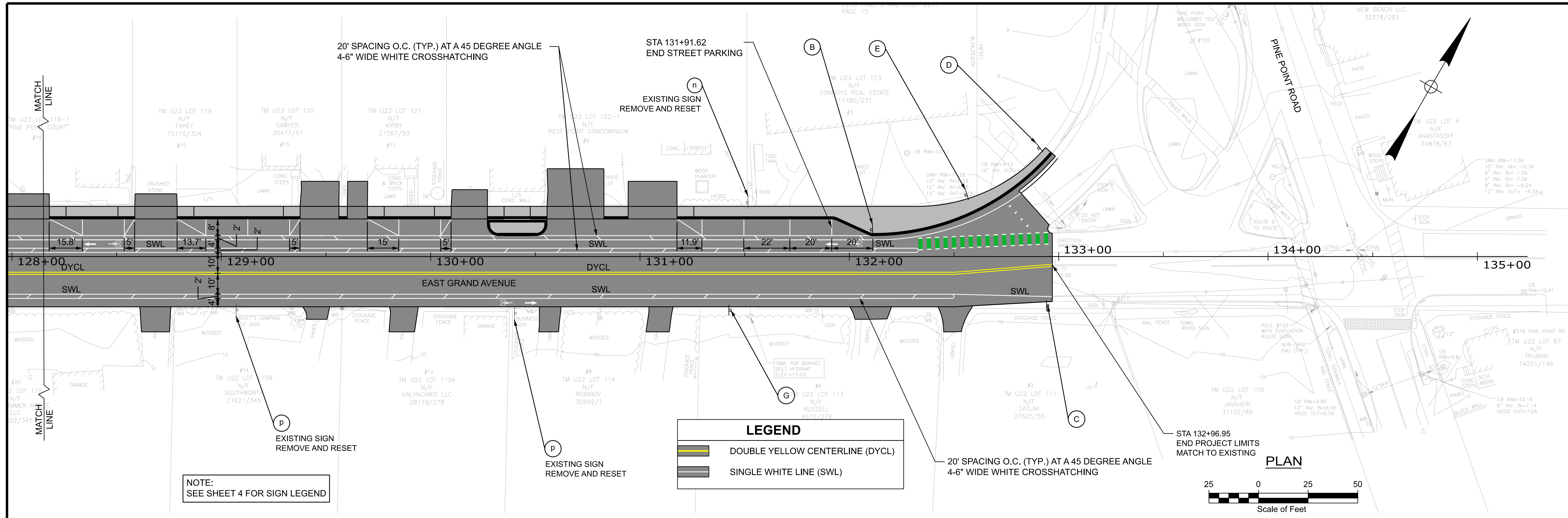
NOTE:  
SEE SHEET 4 FOR SIGN LEGEND



**PLAN**

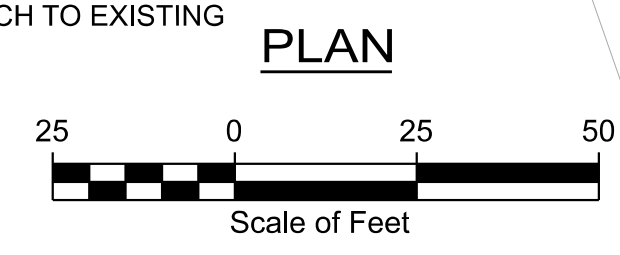
Scale of Feet

Date: 1/14/2026  
Username: mtwombly



NOTE:  
SEE SHEET 4 FOR SIGN LEGEND

LEGEND	
	DOUBLE YELLOW CENTERLINE (DYCL)
	SINGLE WHITE LINE (SWL)



NOT FOR CONSTRUCTION

PROJ. MANAGER	DATE
BY: MWT	01/2026
DESIGN-DETAILED	
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SCARBOROUGH  
EAST GRAND AVENUE  
STRIPING PLAN 3/3

SHEET NUMBER  
**13**  
OF 42

**NOT FOR CONSTRUCTION**

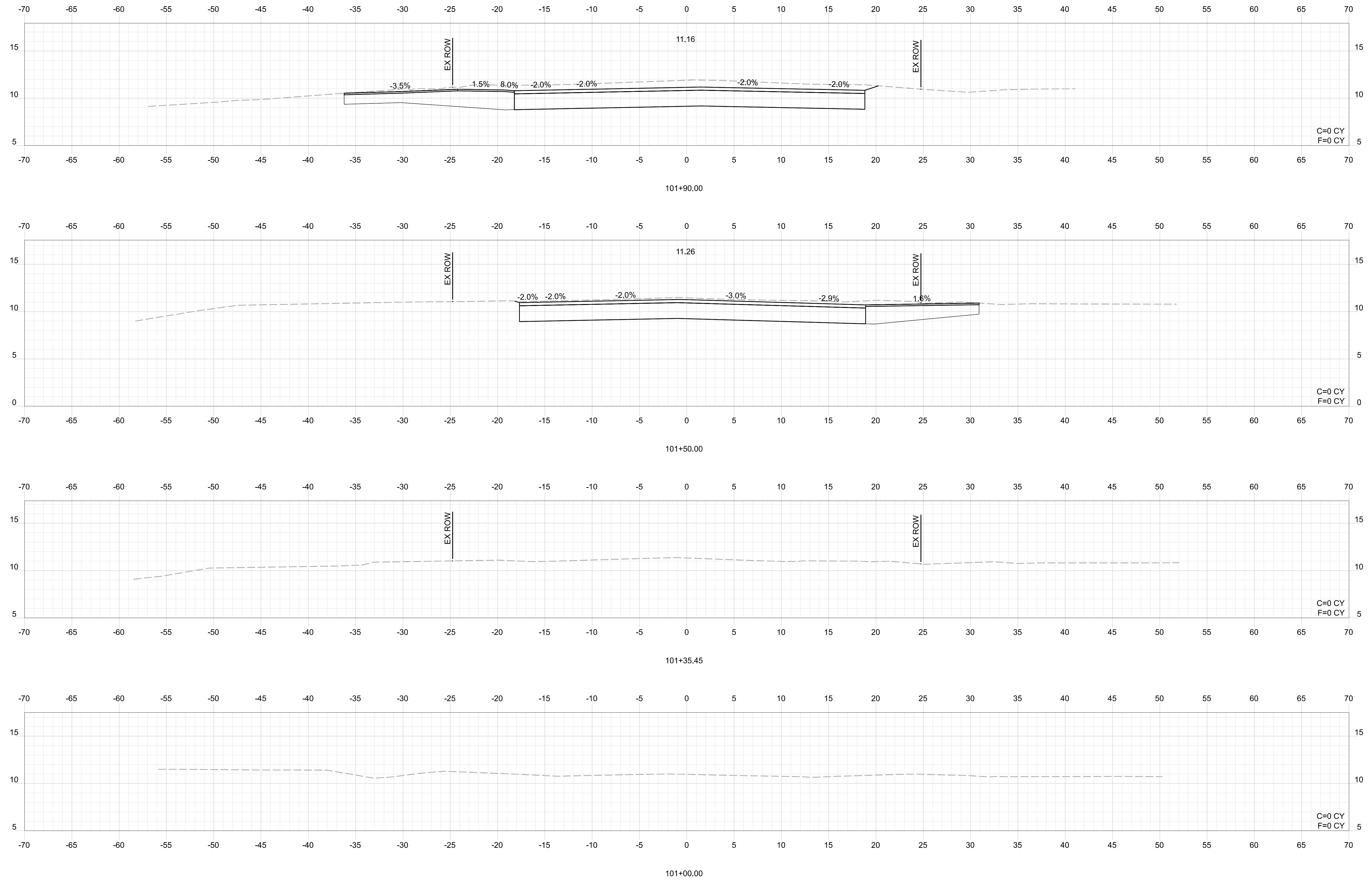
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CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

14

OF 42



Date: 1/14/2026

Username: mtwombly

**NOT FOR CONSTRUCTION**

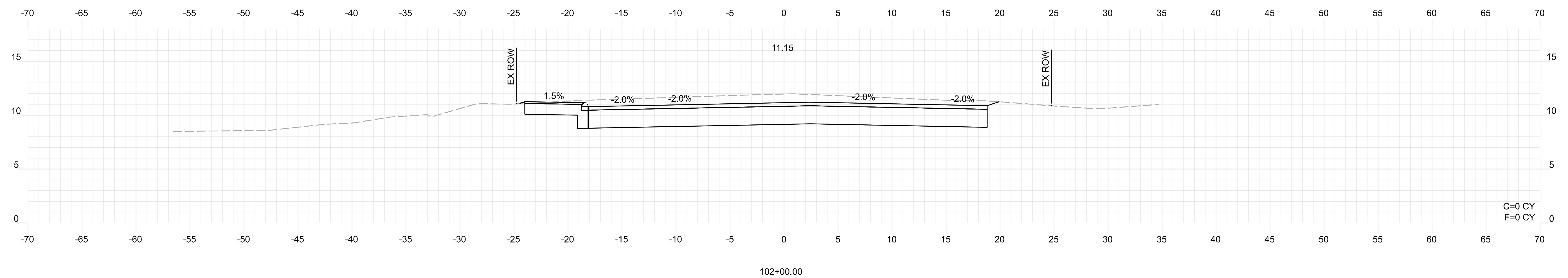
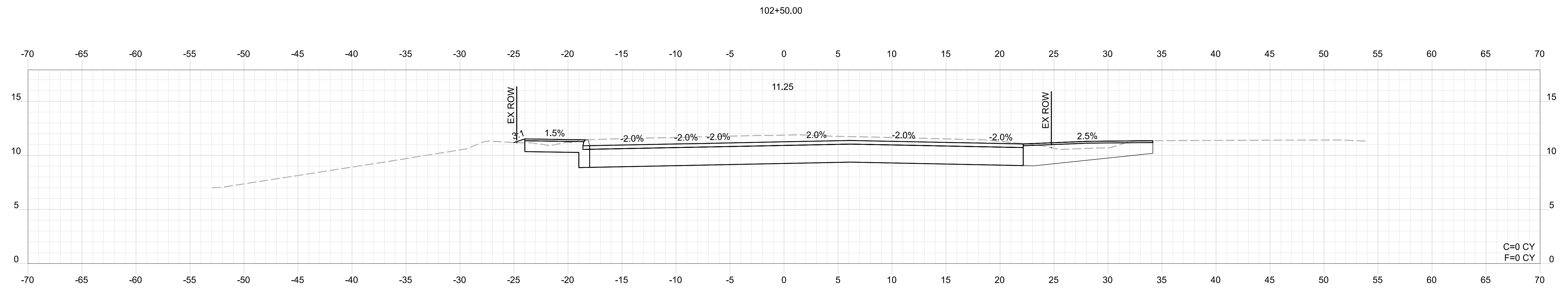
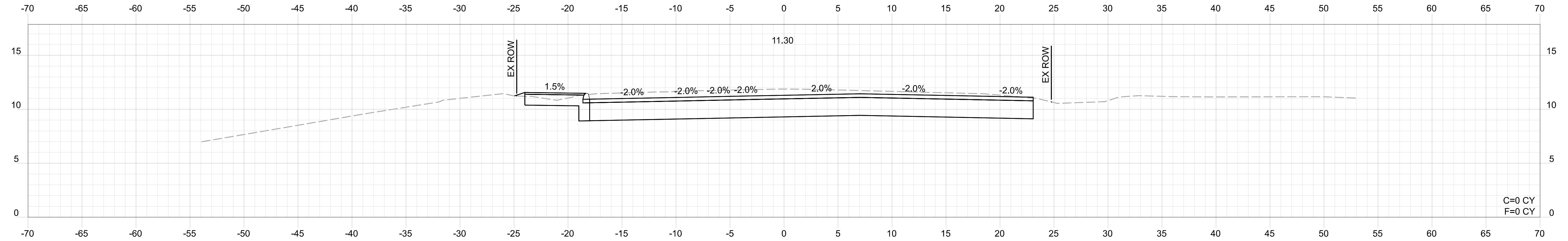
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DESIGN-DETAILED02		
DESIGN-DETAILED03		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

**SCARBOROUGH  
EAST GRAND AVENUE  
CROSS SECTIONS**

**SHEET NUMBER**

**15**

**OF 42**



**NOT FOR CONSTRUCTION**

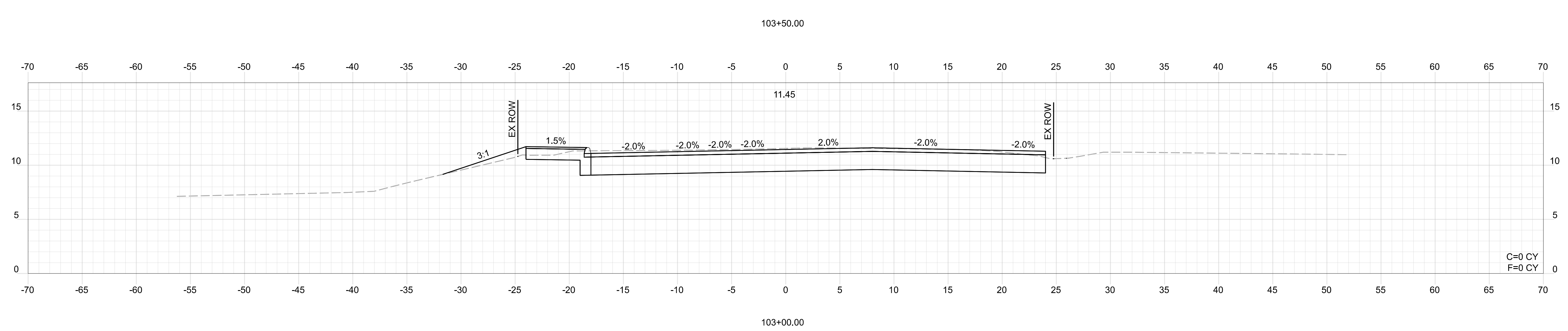
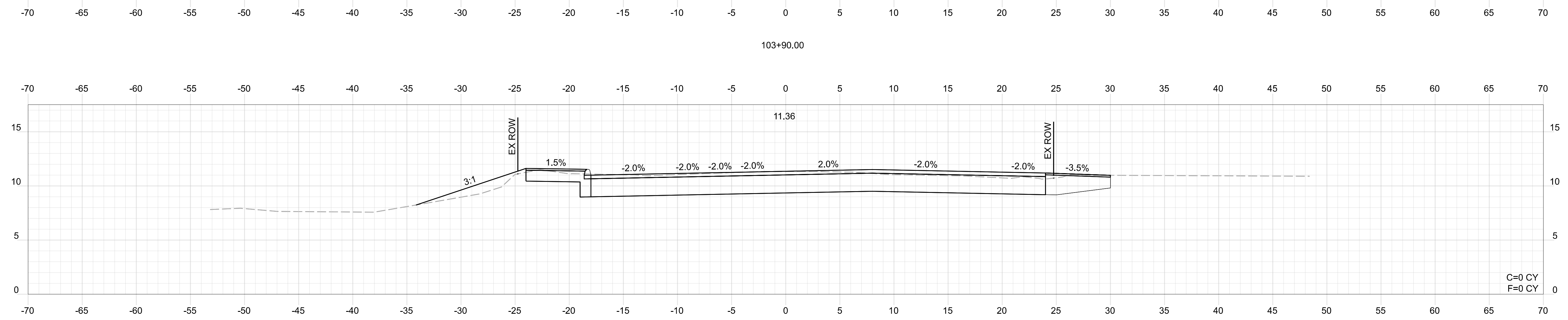
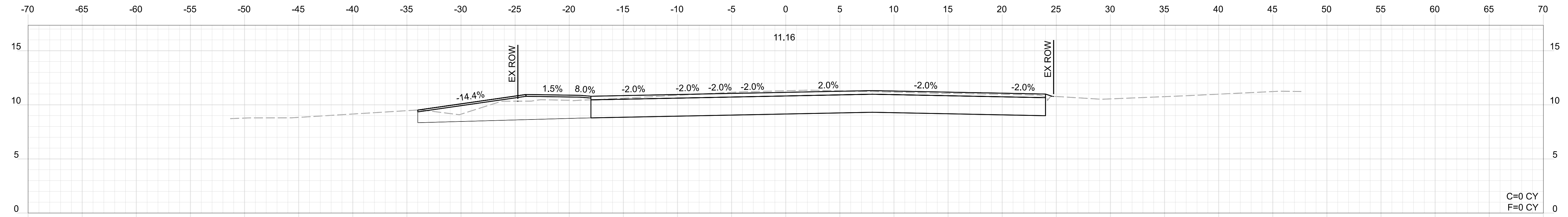
PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	NMT	01/2026
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DESIGN-DETAILED02		
DESIGN-DETAILED03		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

**SCARBOROUGH  
EAST GRAND AVENUE  
CROSS SECTIONS**

**SHEET NUMBER**

**16**

**OF 42**



Username: mtwombly Date: 1/14/2026

NOT FOR CONSTRUCTION

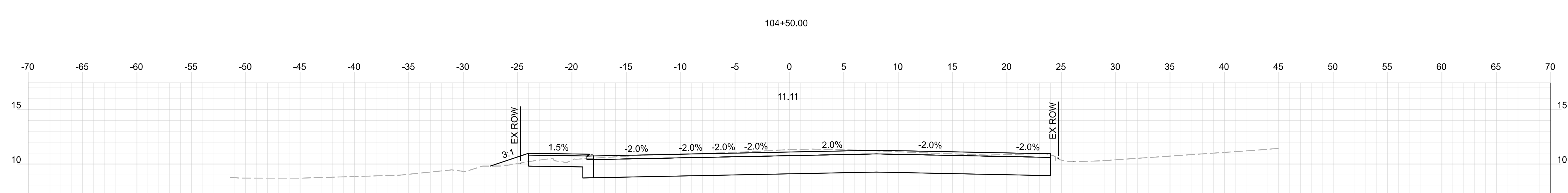
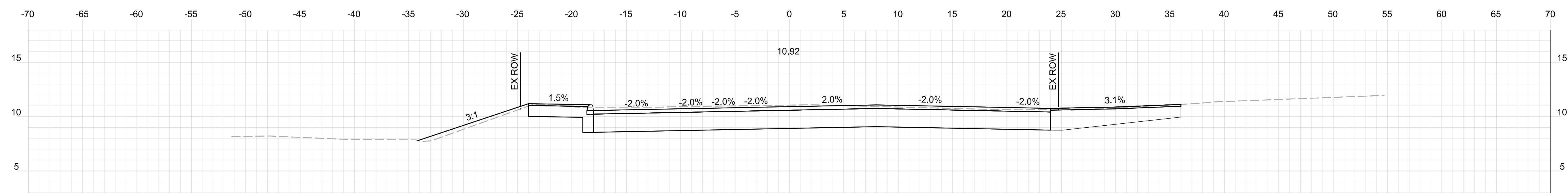
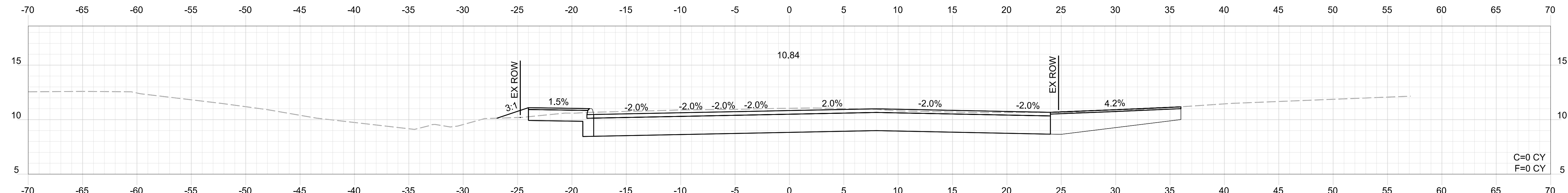
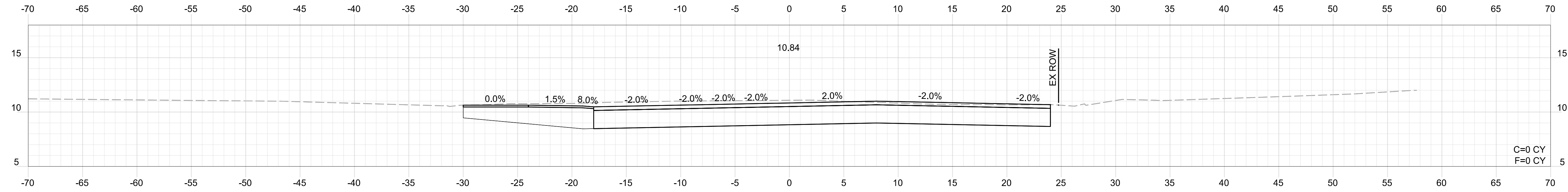
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MMT	01/2026
DESIGN-DETAILED	
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

17

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

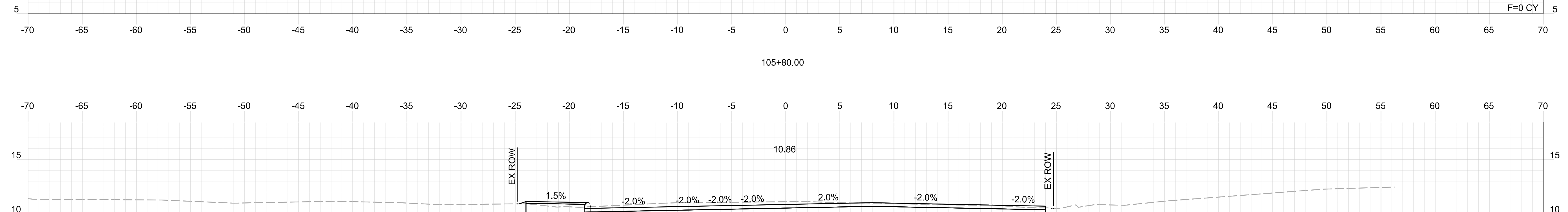
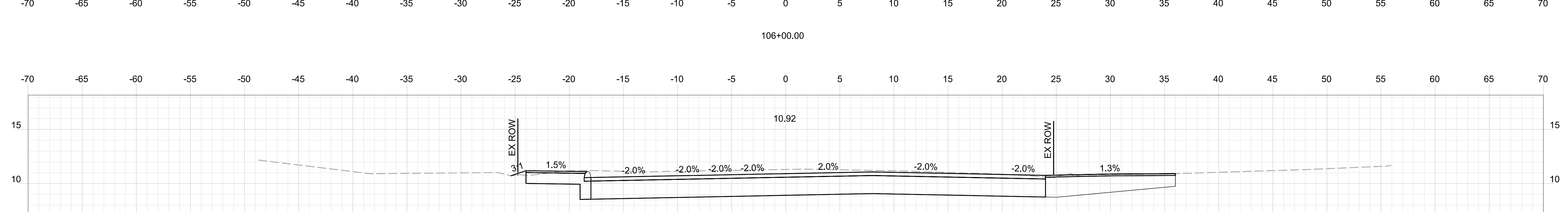
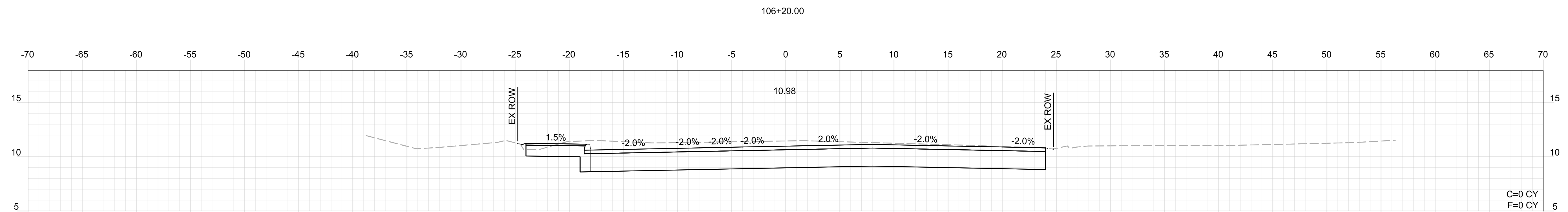
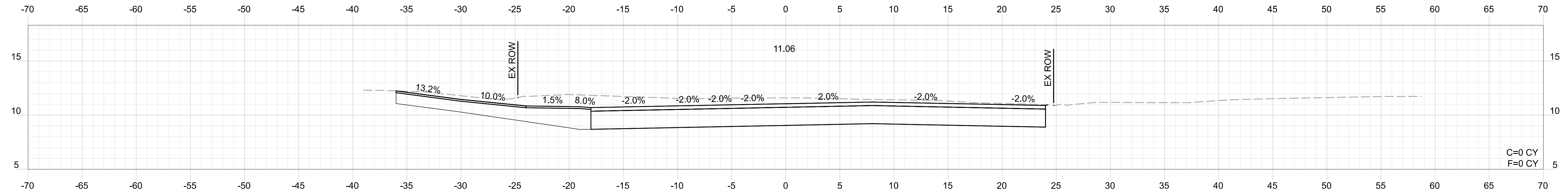
PROJ. MANAGER	DATE
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DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

18

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

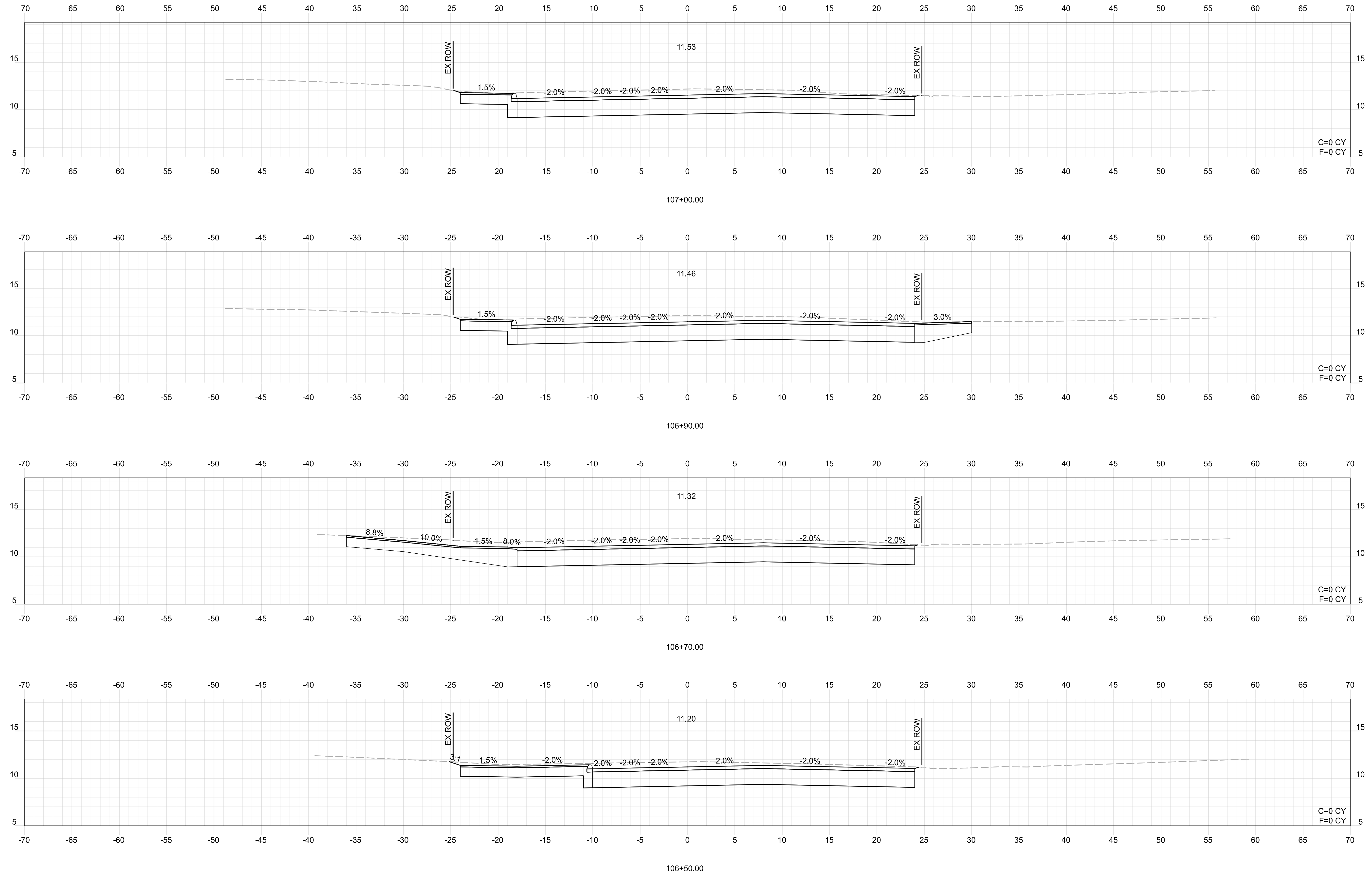
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

19

OF



NOT FOR CONSTRUCTION

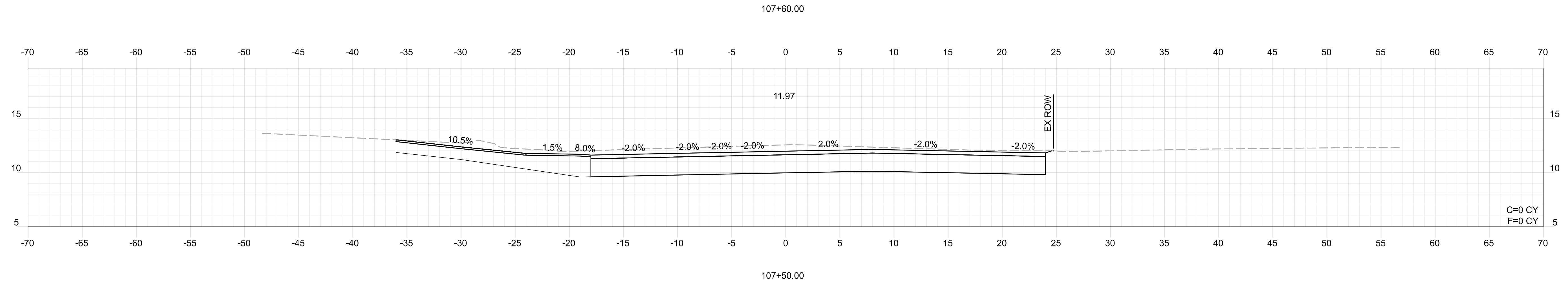
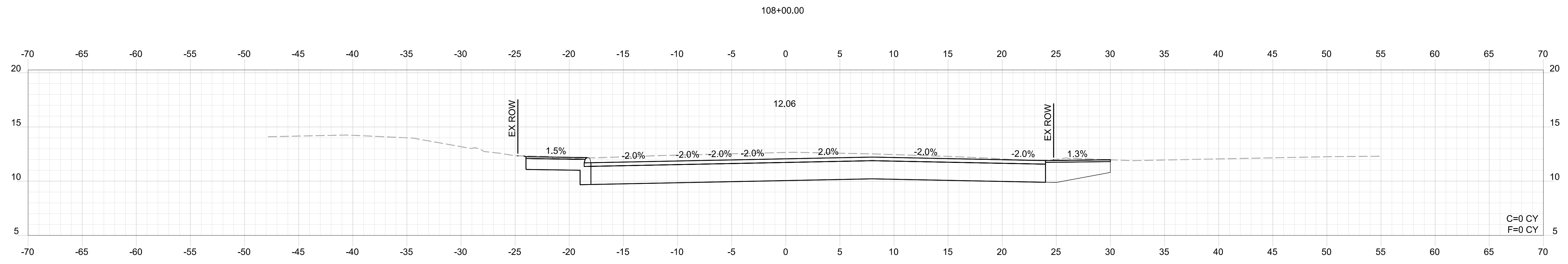
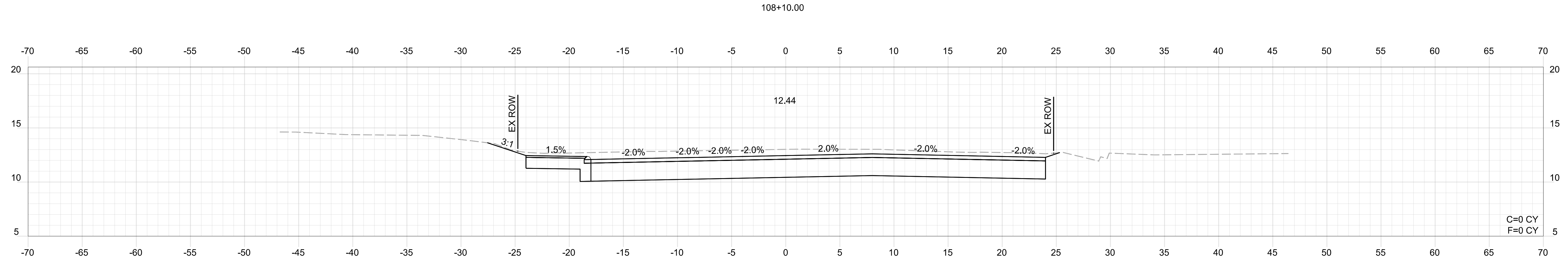
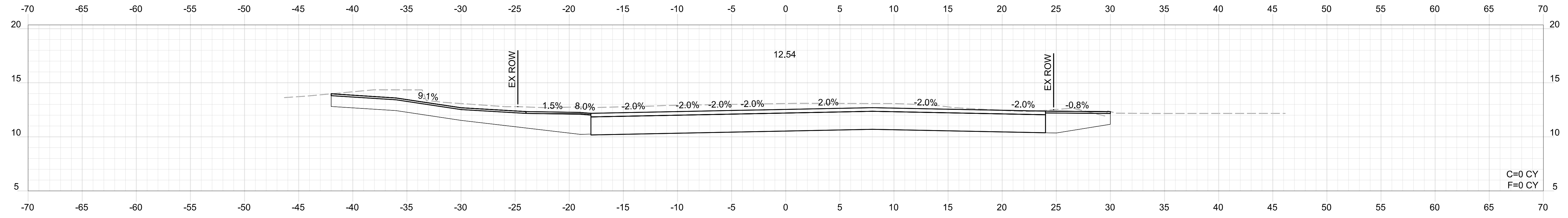
PROJ. MANAGER	BY	DATE
	MMT	01/2026
CHECKED-REVIEWED		
DESIGN-REVIEWED		
DESIGN-REVIEWED		
DESIGN-REVIEWED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTION

SHEET NUMBER

20

OF 24



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

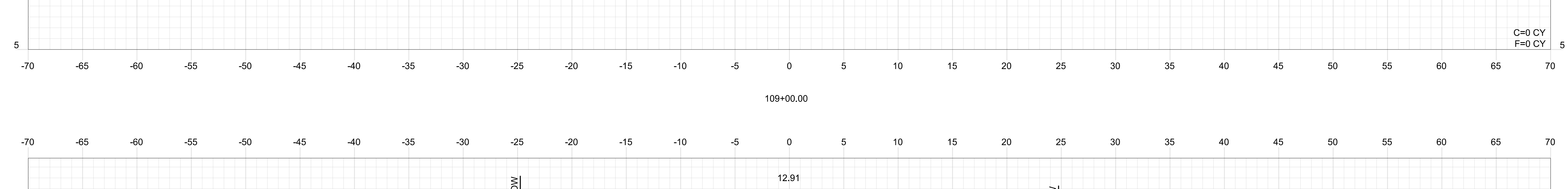
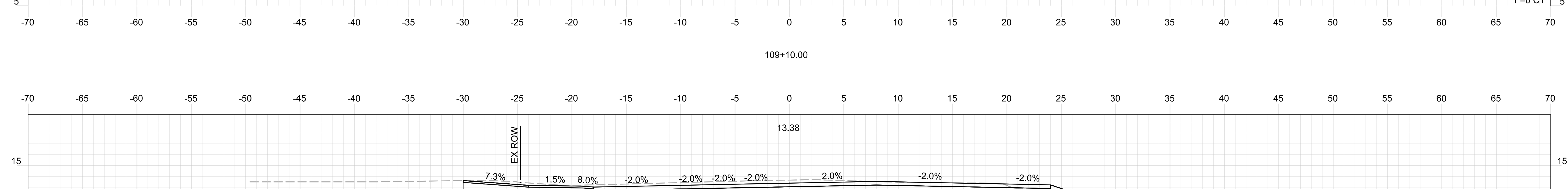
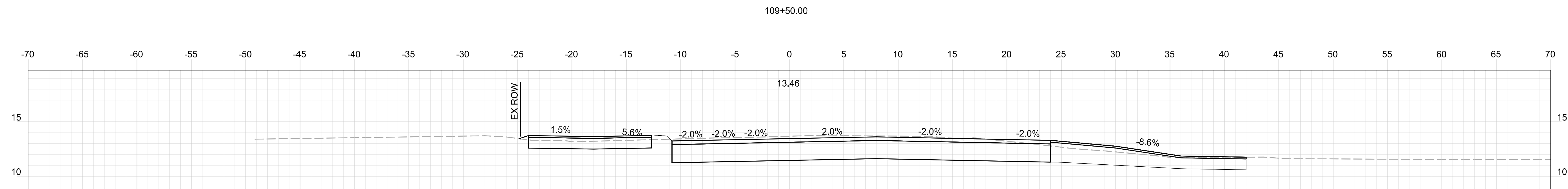
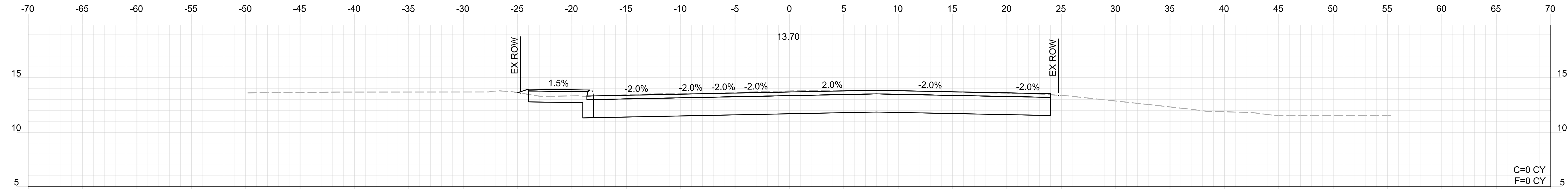
PROJ. MANAGER	BY	DATE
	NWMT	01/2026
CHECKED-REVIEWED		
DESIGN-REVIEWED		
DESIGN-REVIEWED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

21

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

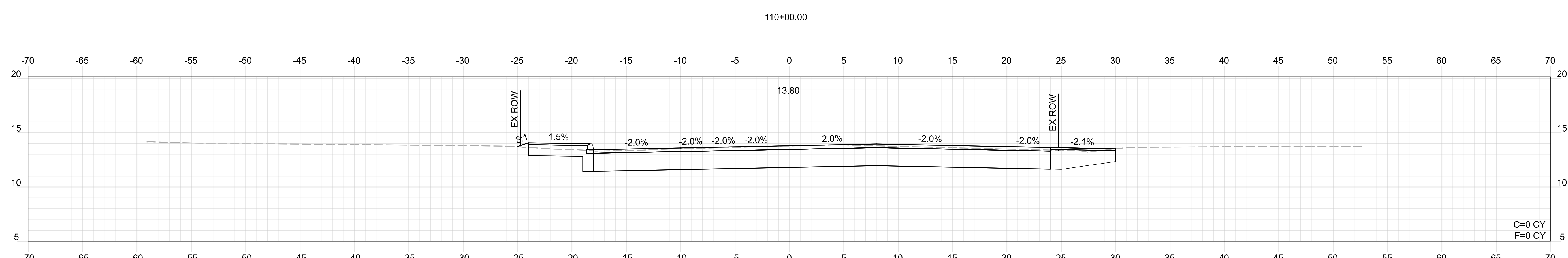
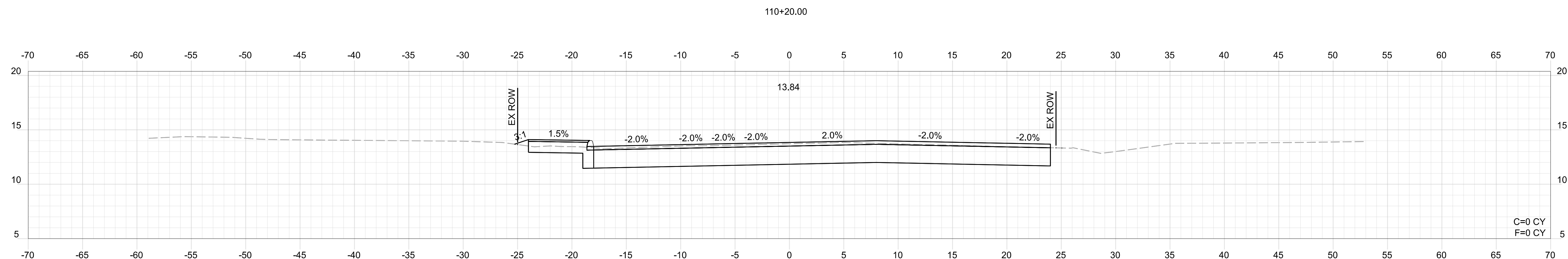
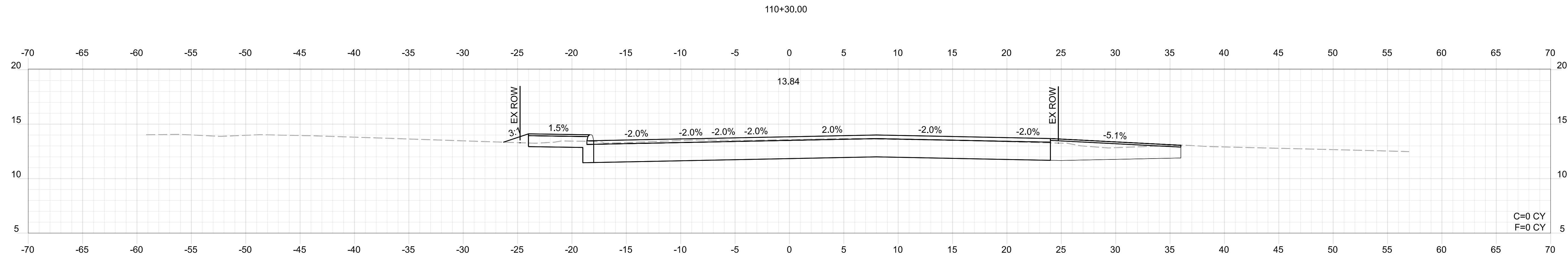
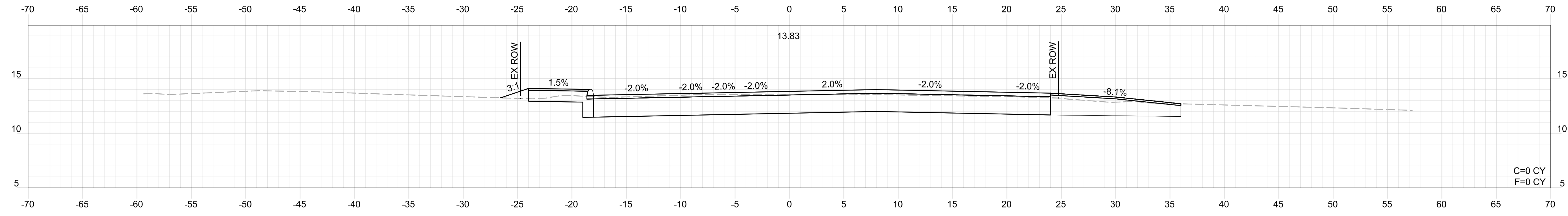
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MMT	01/2026
CHECKED-REVIEWED	
DESIGN-REVIEWED	
CHECKED-REVIEWED	
DESIGN-REVIEWED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

22

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

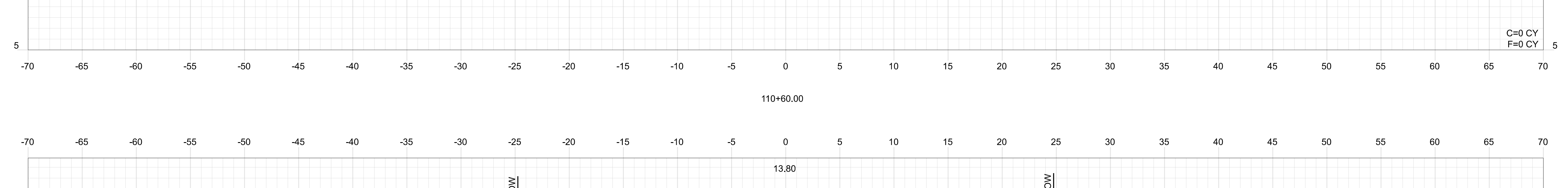
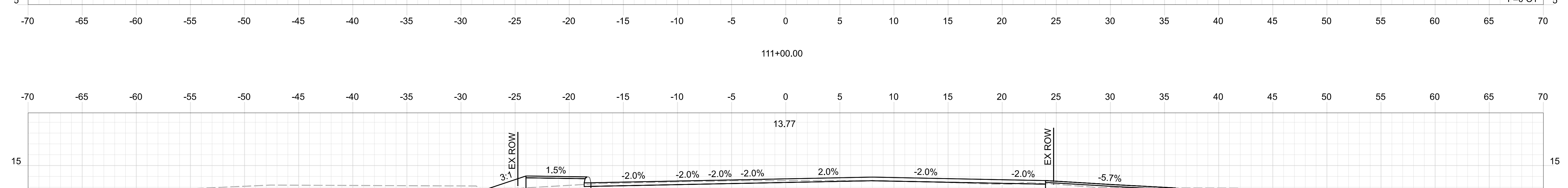
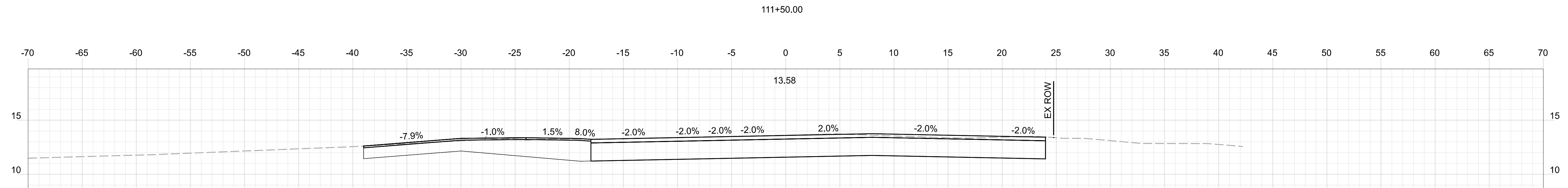
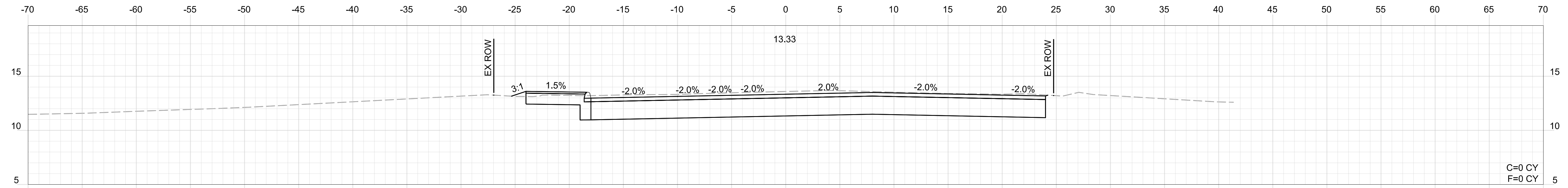
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	NWMT	01/2026
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CHECKED-REVIEWED		
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DESIGN-DETAILED03		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

23

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

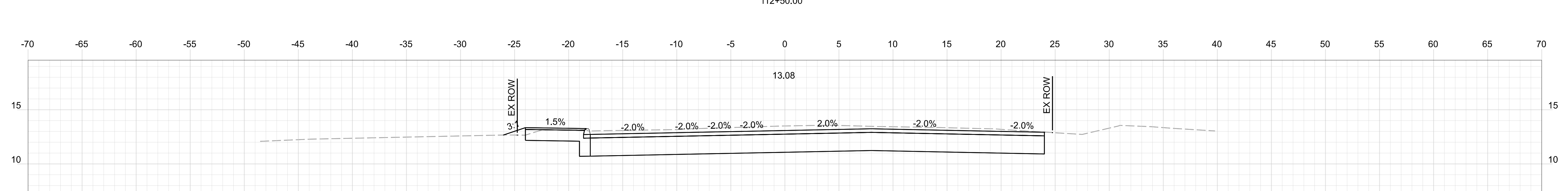
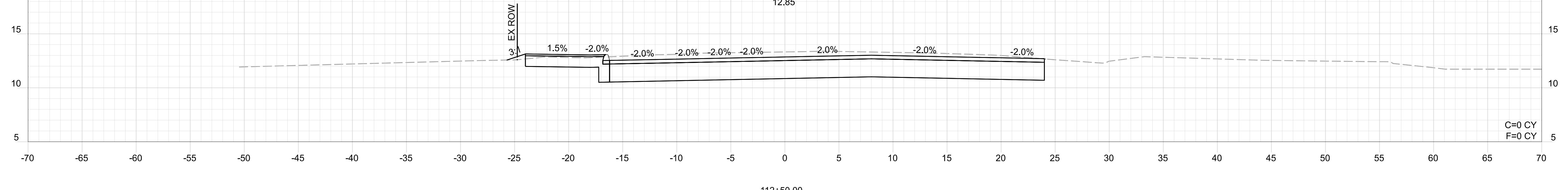
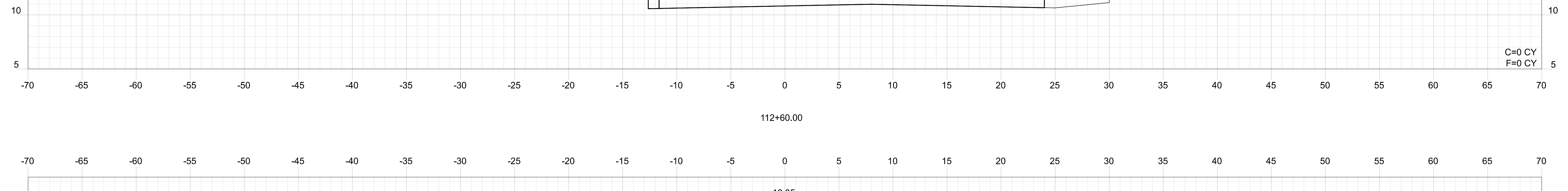
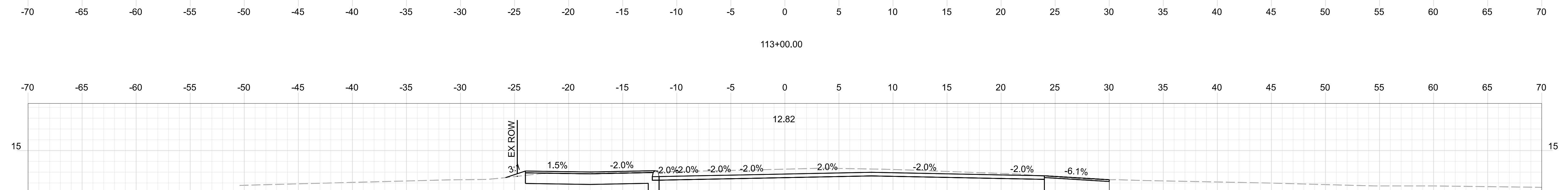
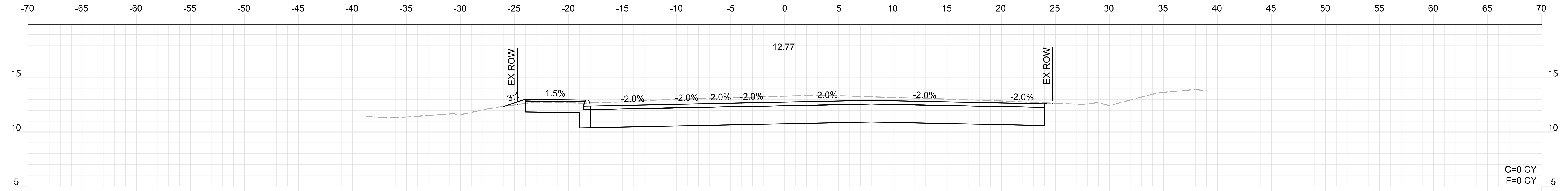
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	NWMT	01/2026
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DESIGN-REVIEWED		
DESIGN-REVIEWED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

24

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

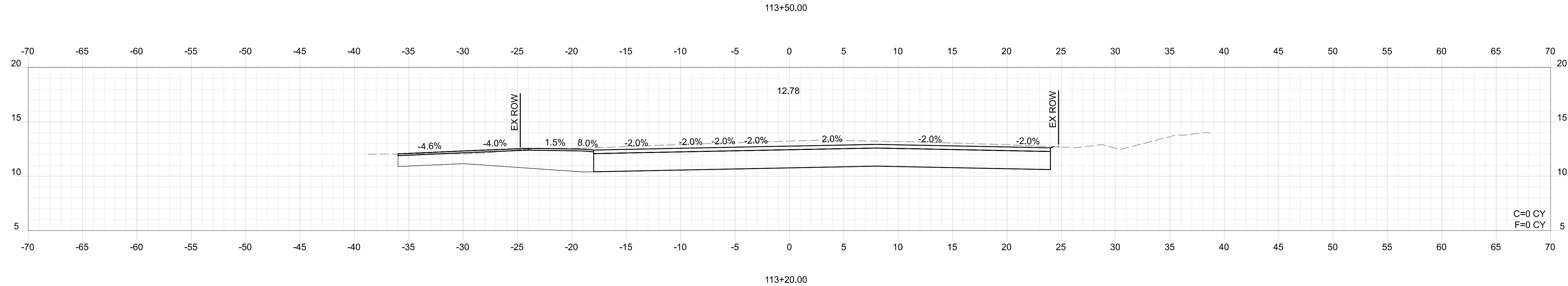
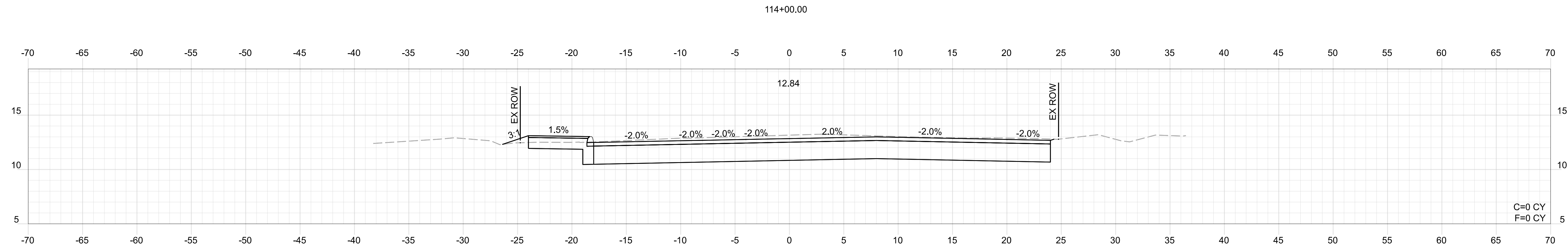
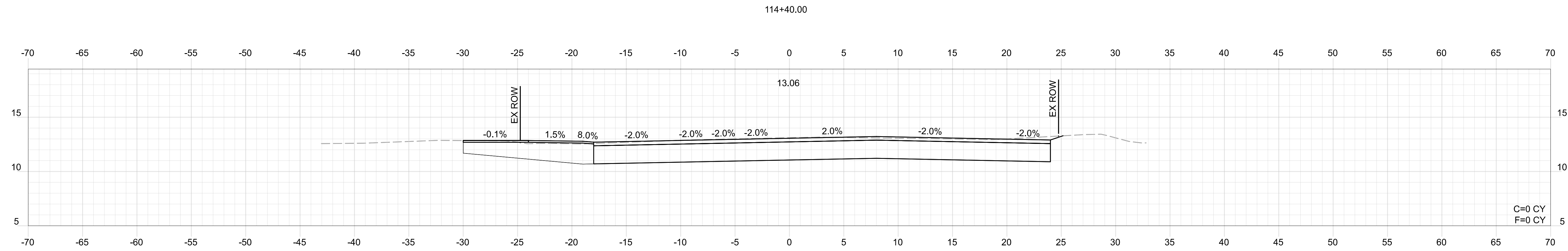
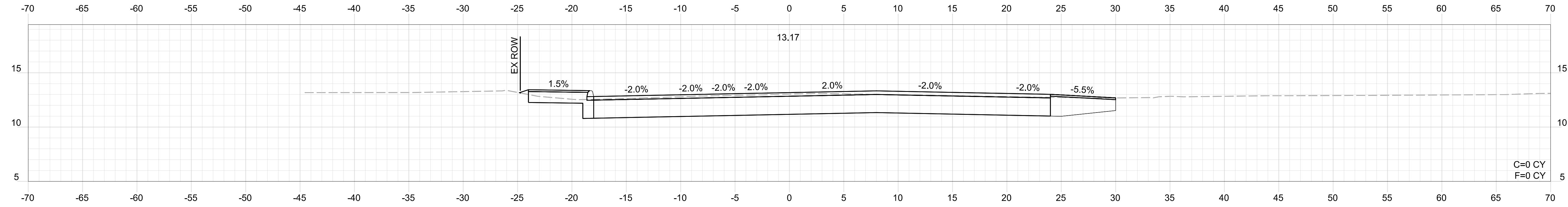
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DESIGN-DETAILED03		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

25

OF 42



NOT FOR CONSTRUCTION

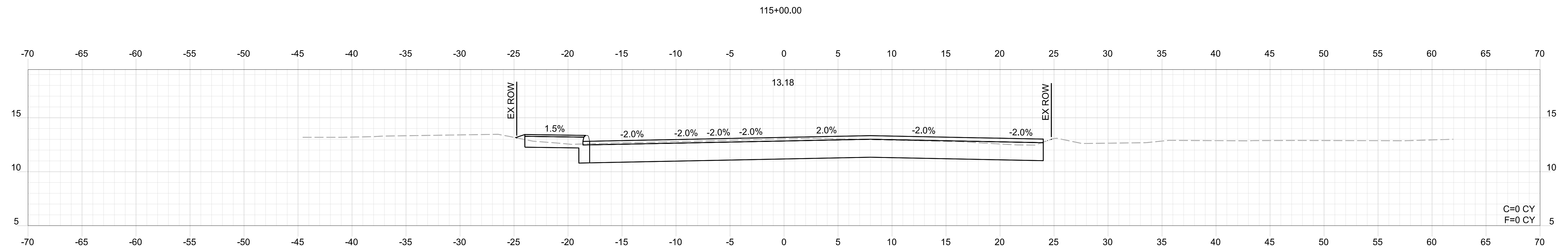
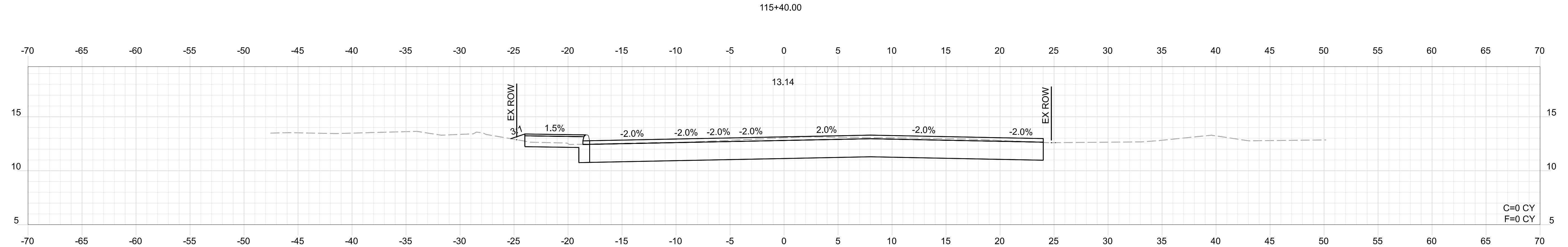
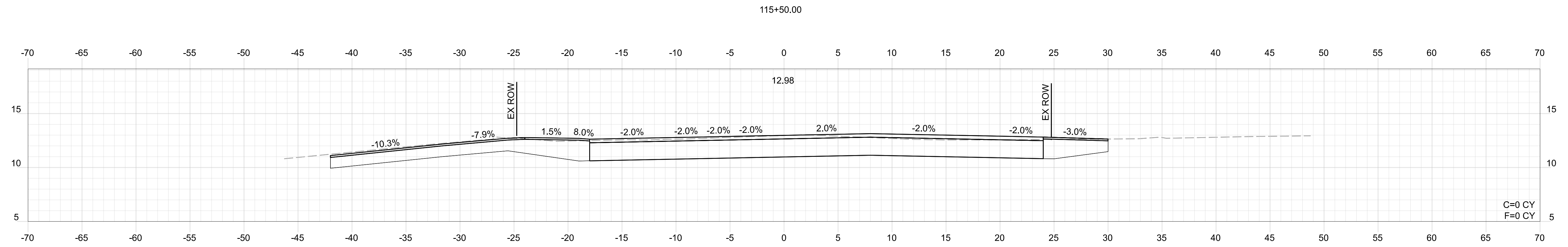
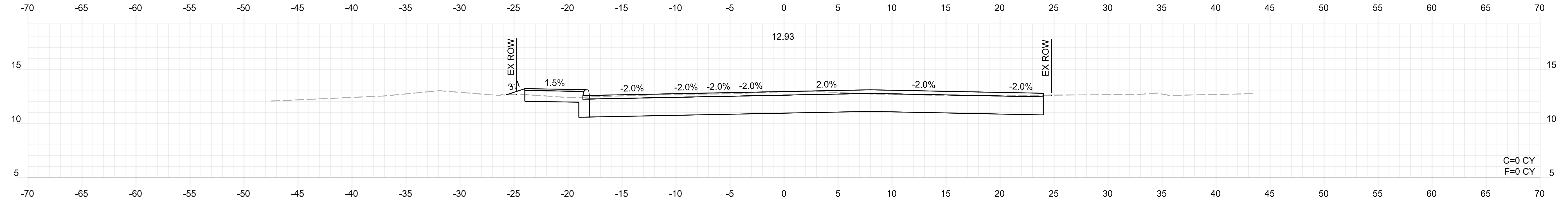
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DESIGN-DETAILED02		
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REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

26

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

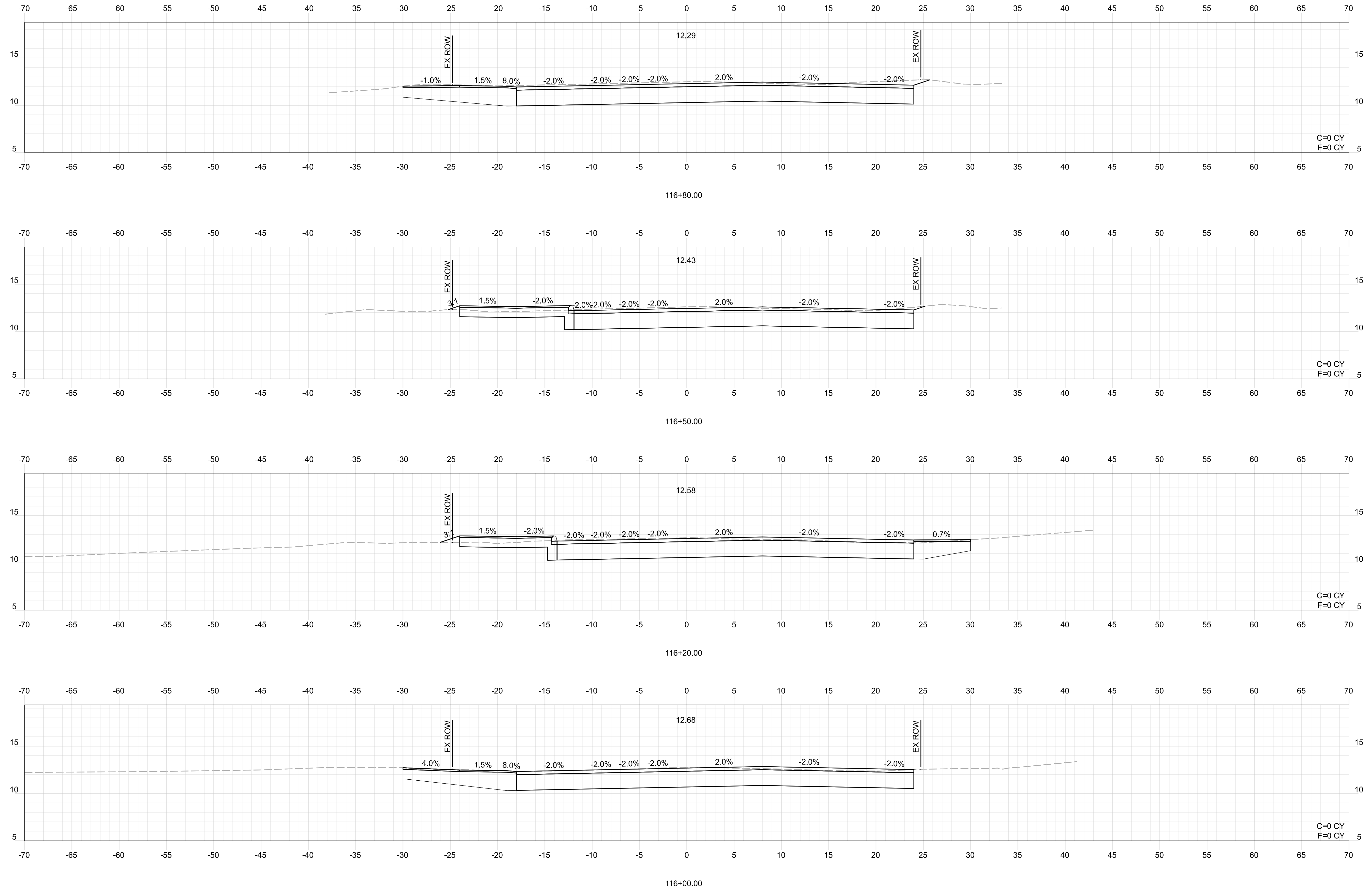
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	NWMT	01/2026
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DESIGN-REVIEWED		
DESIGN-REVIEWED		
DESIGN-REVIEWED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

27

OF 42



NOT FOR CONSTRUCTION

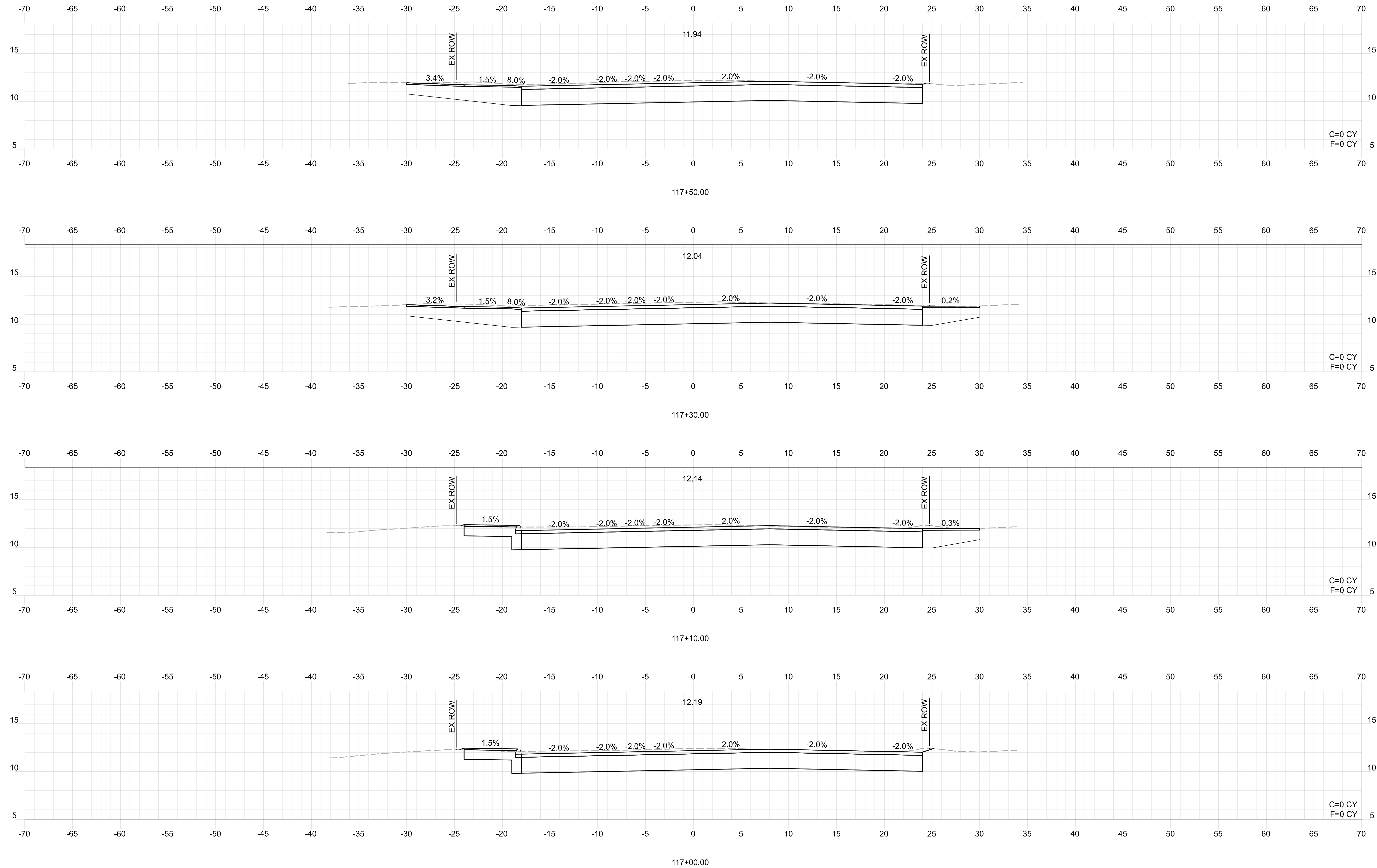
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED02	DESIGN-DETAILED03	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

SCARBOROUGH  
EAST GRAND AVENUE  
CROSS SECTIONS

SHEET NUMBER

28

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

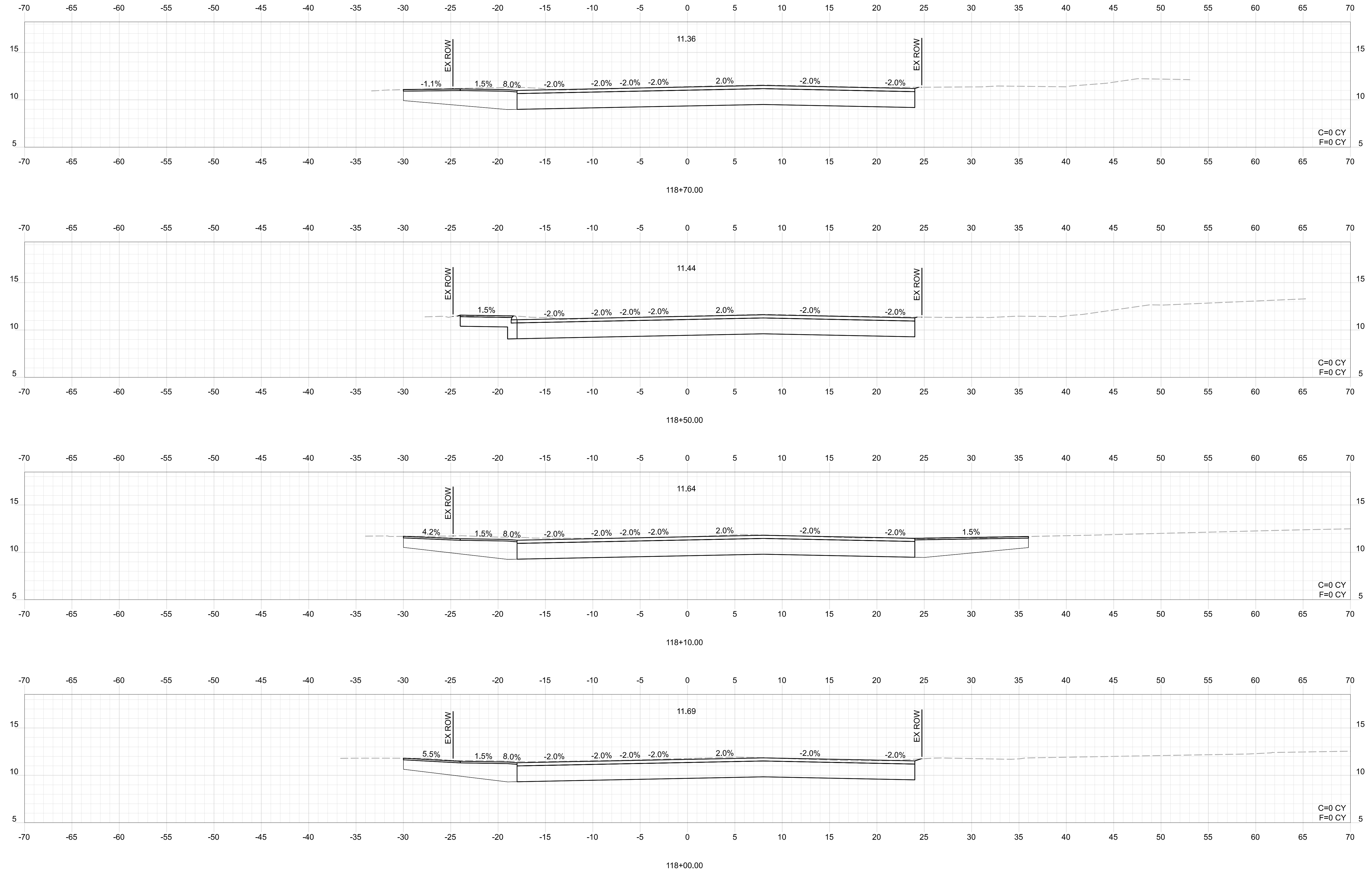
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DESIGN-DETAILED02	
DESIGN-DETAILED03	
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REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

29

OF 42



NOT FOR CONSTRUCTION

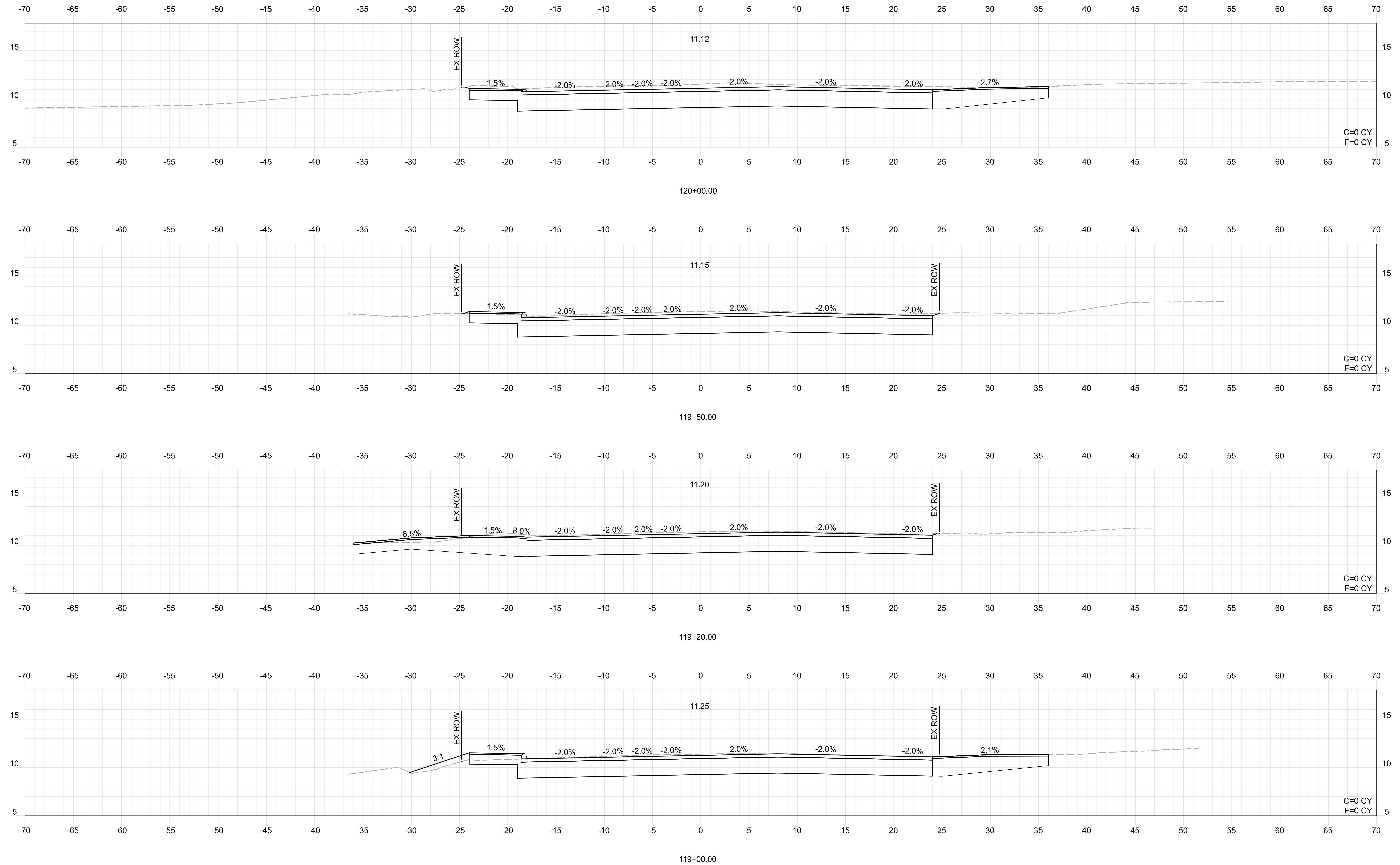
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

30

OF 42



NOT FOR CONSTRUCTION

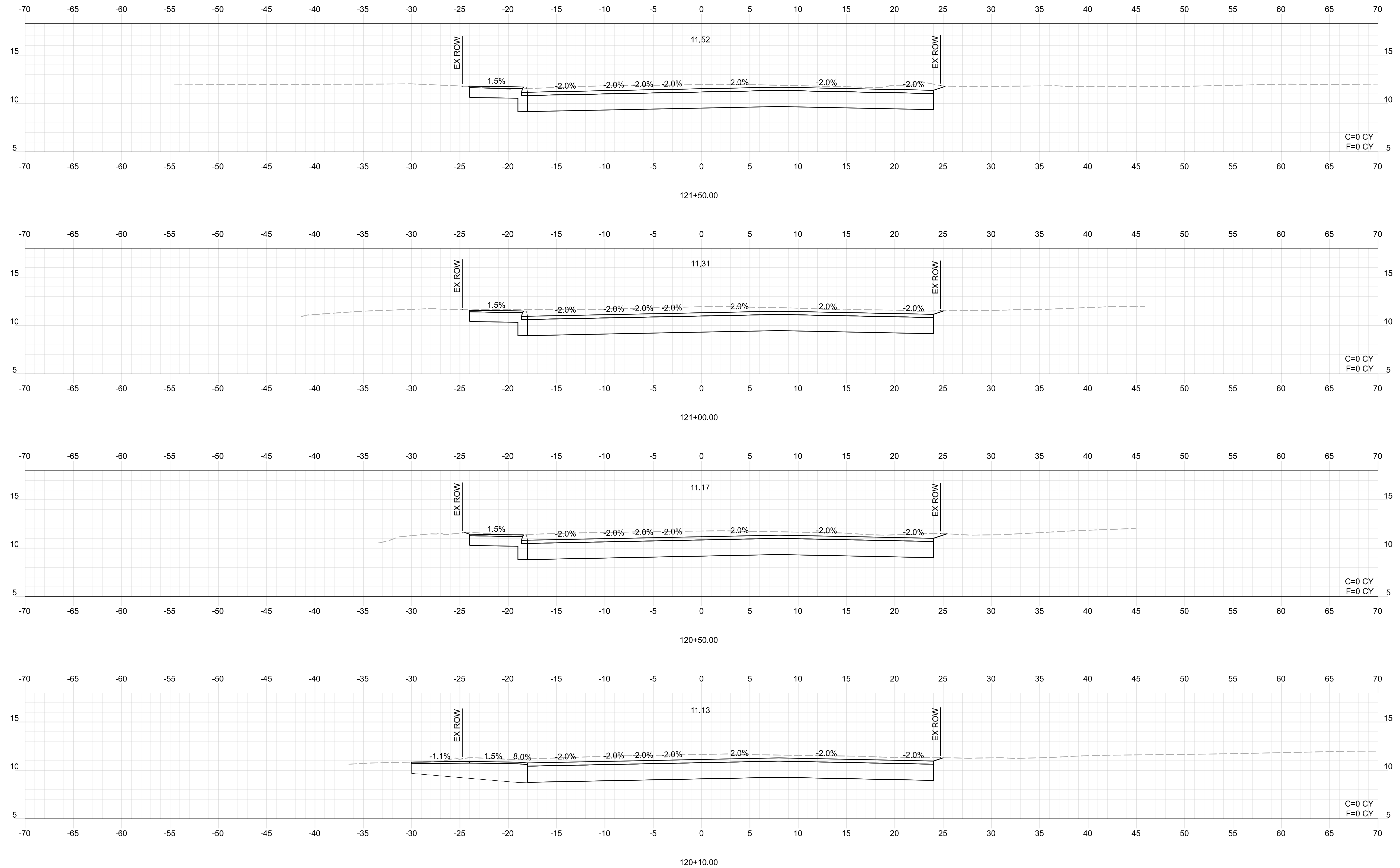
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

31

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

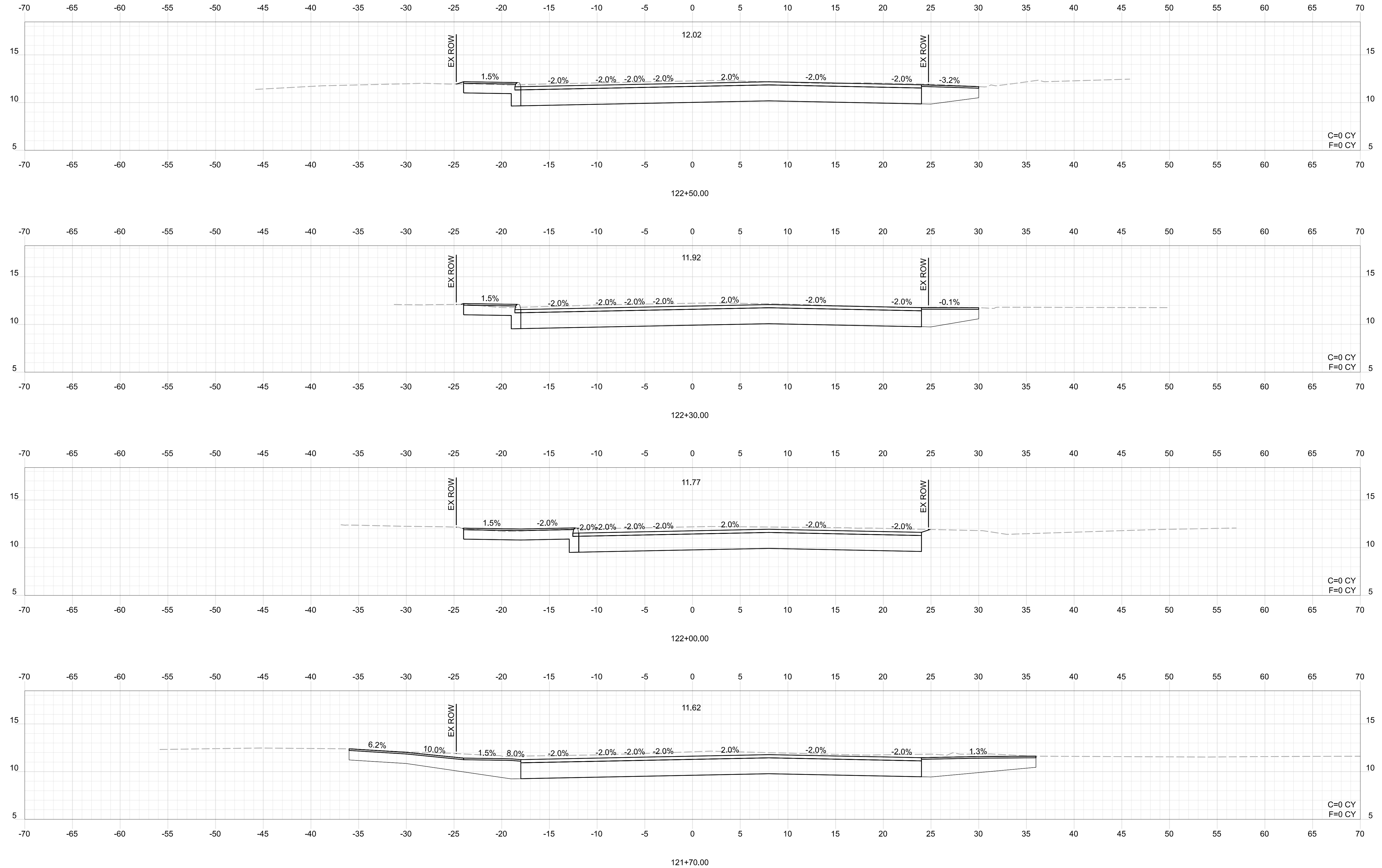
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED02	DESIGN-DETAILED03	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

SCARBOROUGH  
EAST GRAND AVENUE  
CROSS SECTIONS

SHEET NUMBER

32

OF 42



Date: 1/14/2026

Username: mtwombly

**NOT FOR CONSTRUCTION**

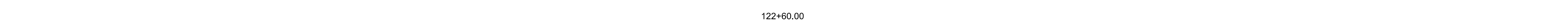
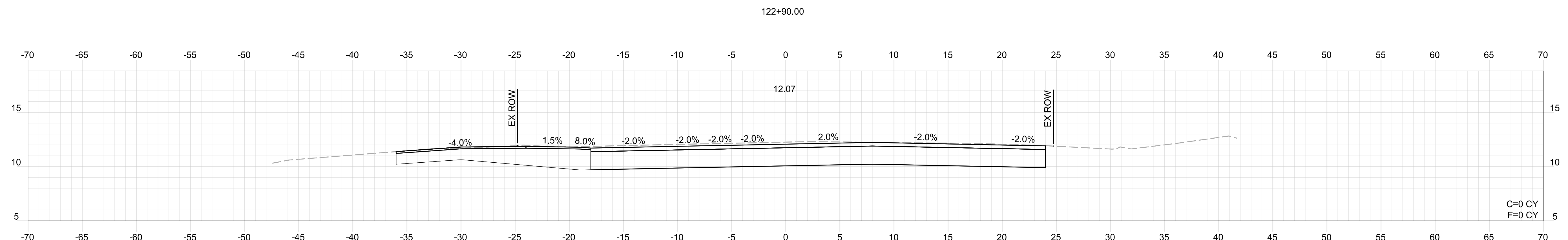
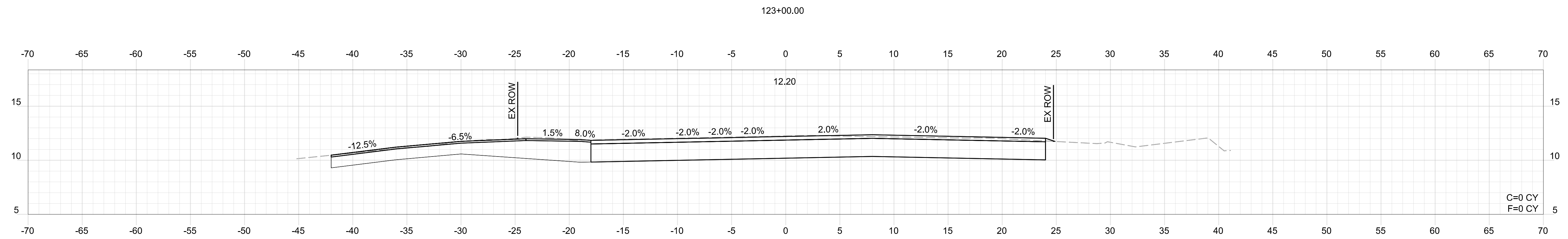
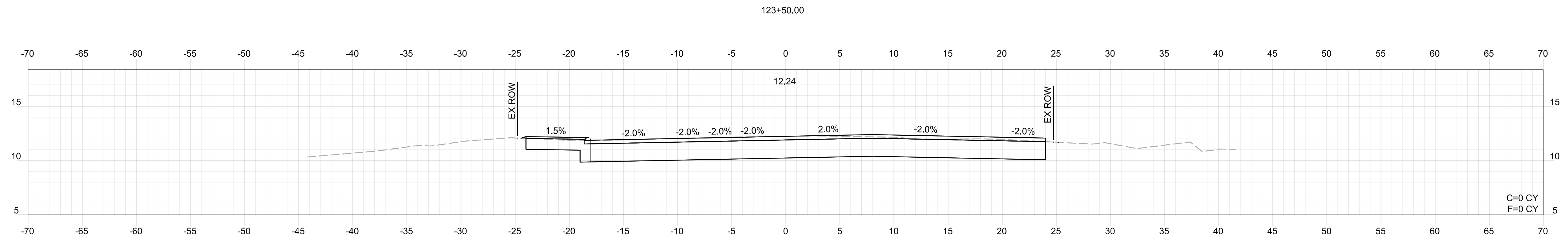
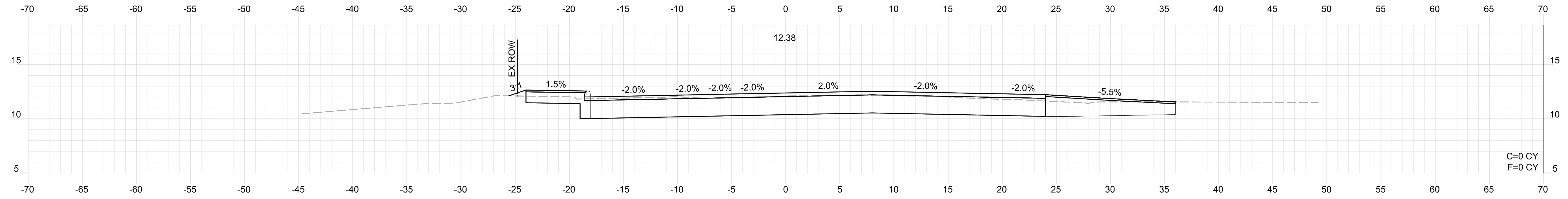
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

**33**

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

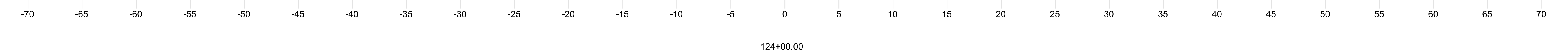
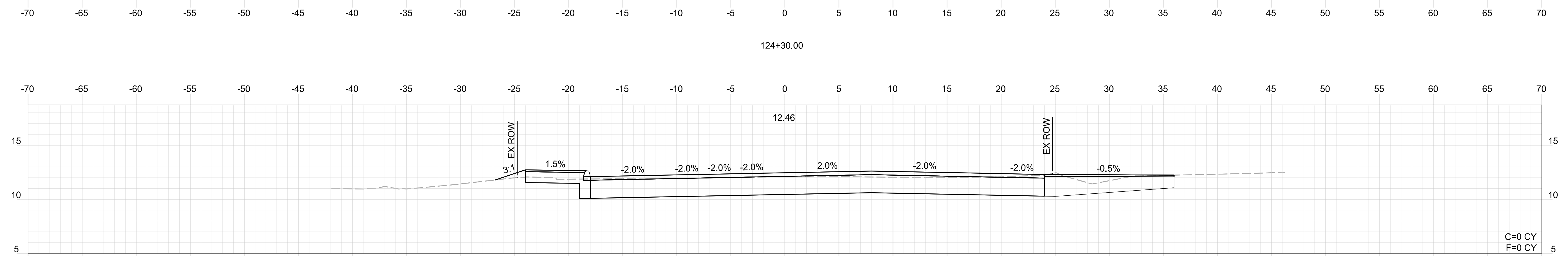
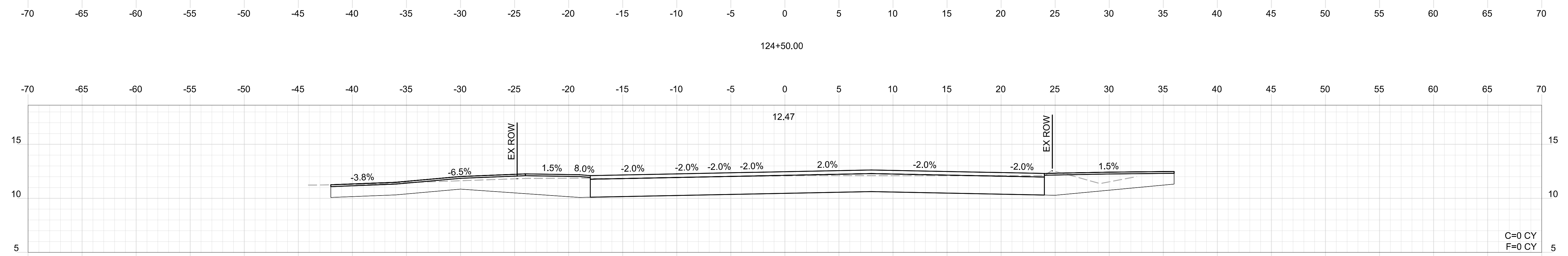
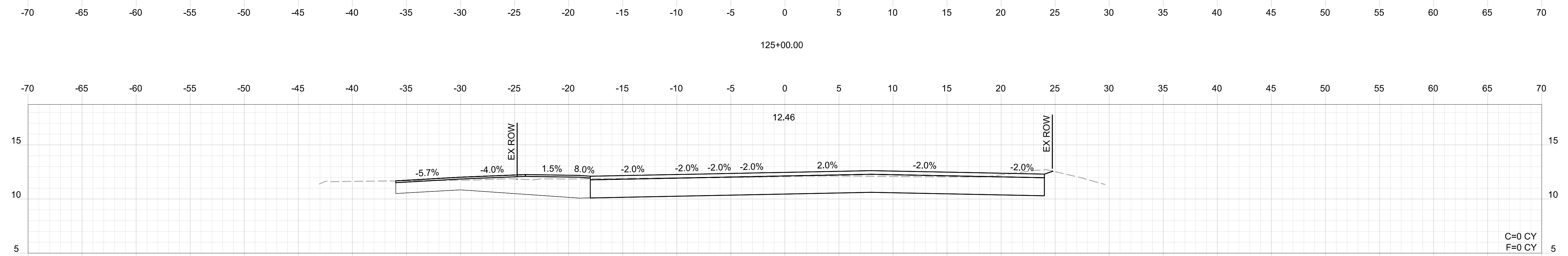
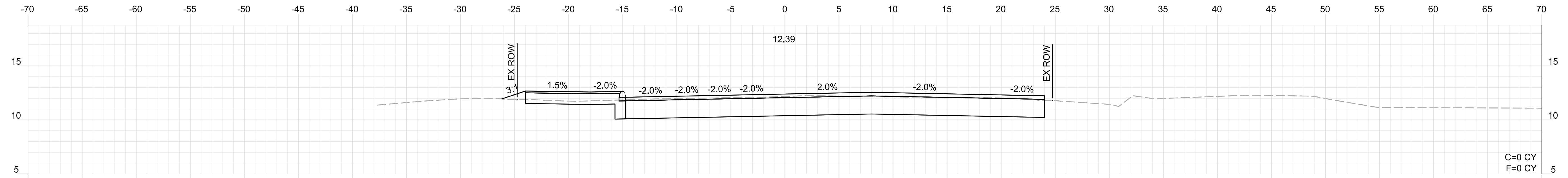
PROJ. MANAGER	DATE
MMT	01/2026
DESIGN-DETAILED	
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

34

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

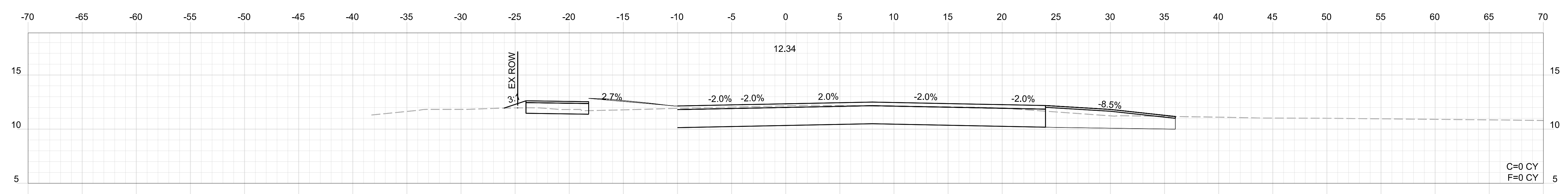
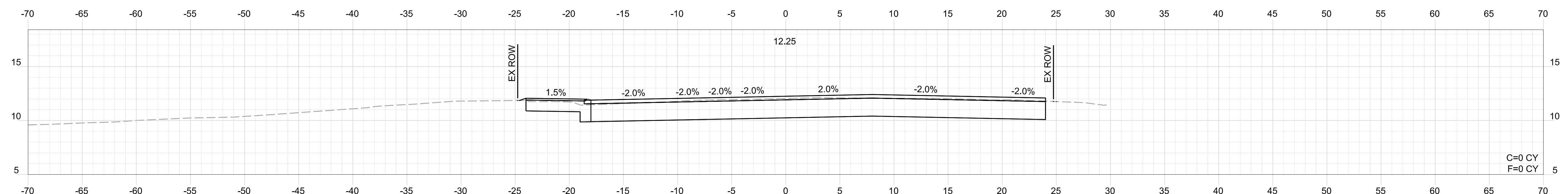
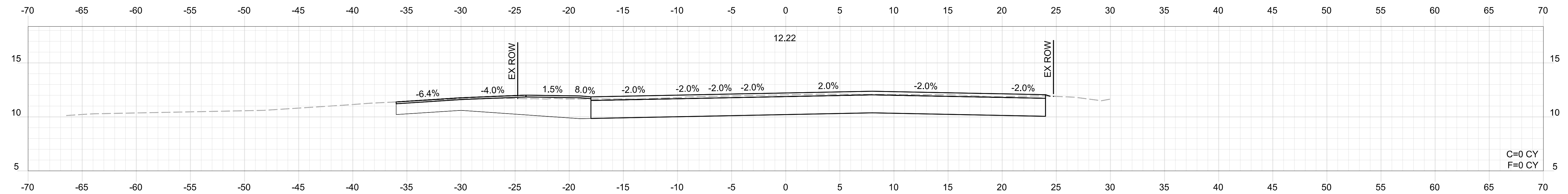
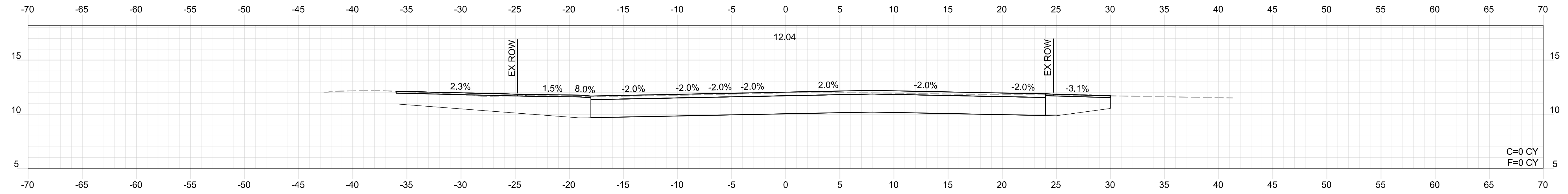
PROJ. MANAGER	DATE
MMT	01/2026
DESIGN-DETAILED	
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

35

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

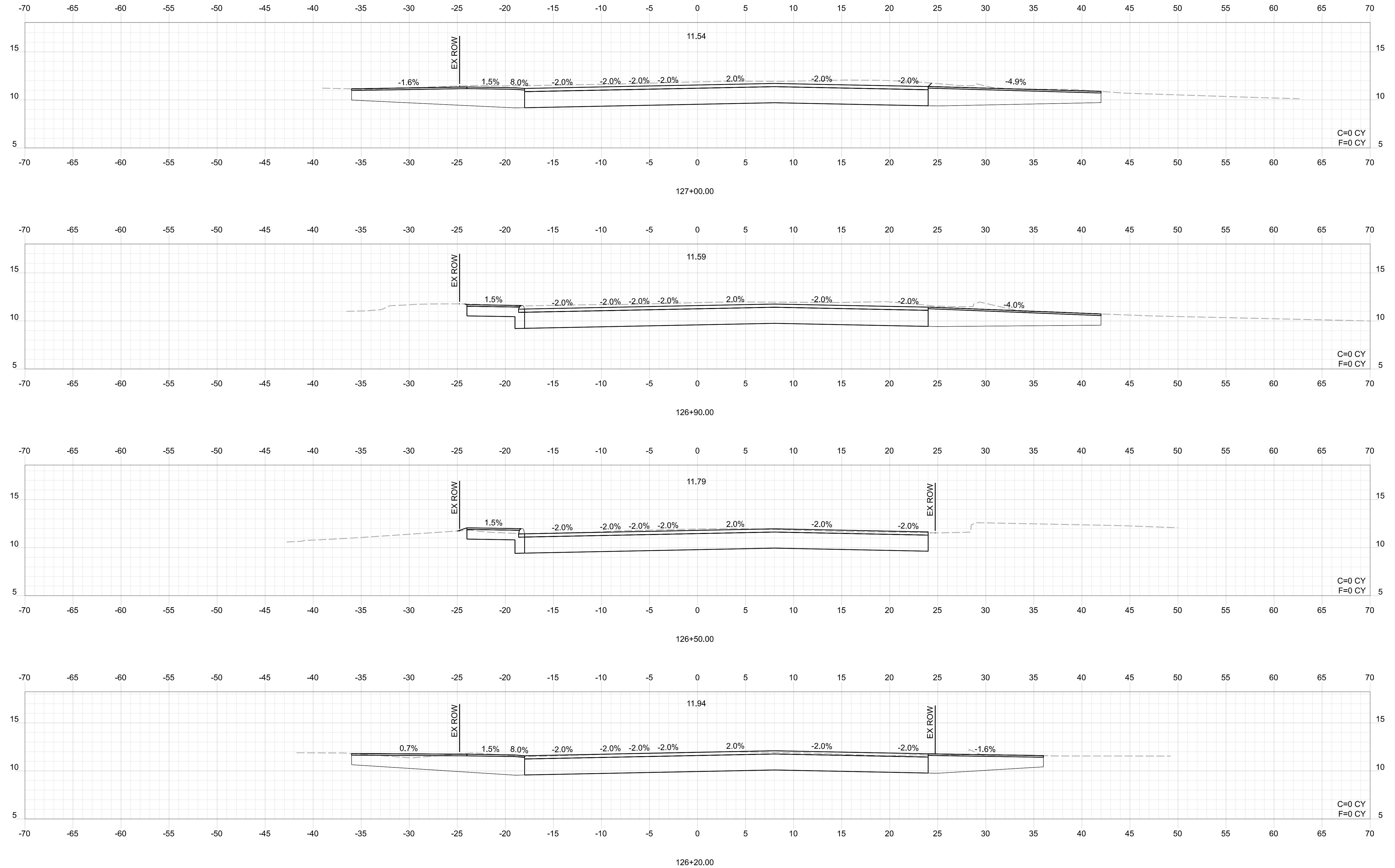
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

36

OF 42



Date: 1/14/2026

Username: mtwombly



NOT FOR CONSTRUCTION

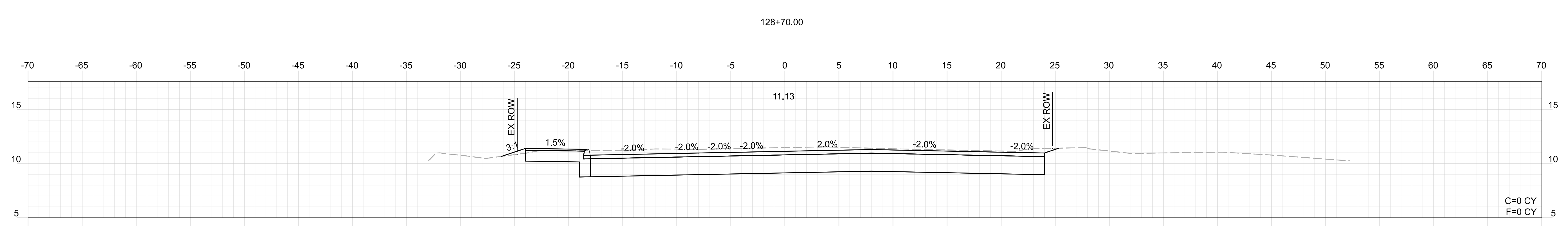
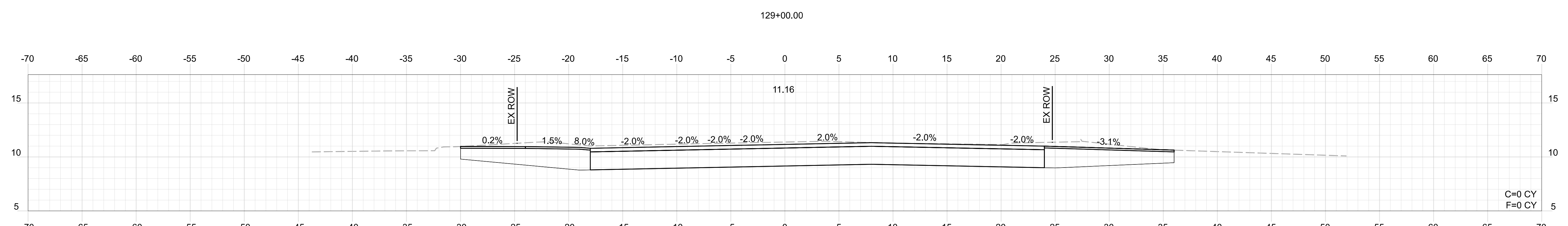
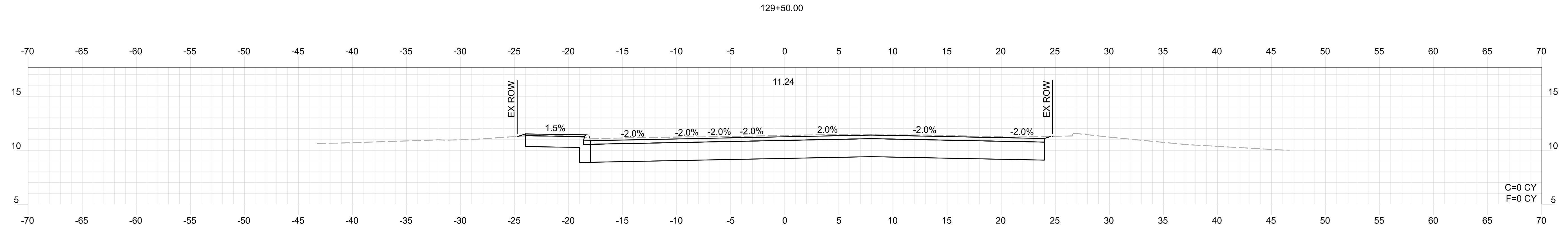
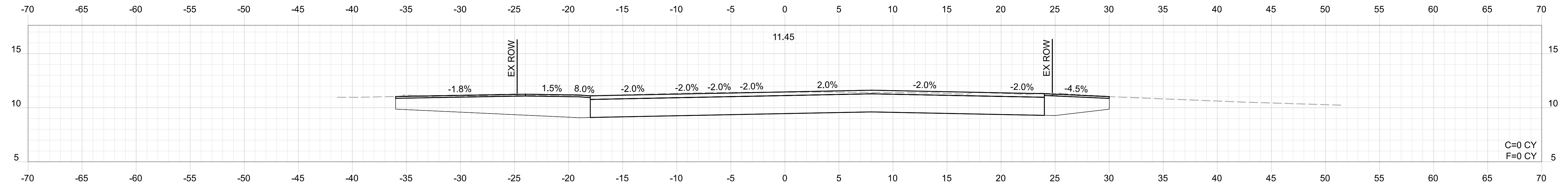
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

38

OF 42



Date: 1/14/2026

Username: mtwombly

NOT FOR CONSTRUCTION

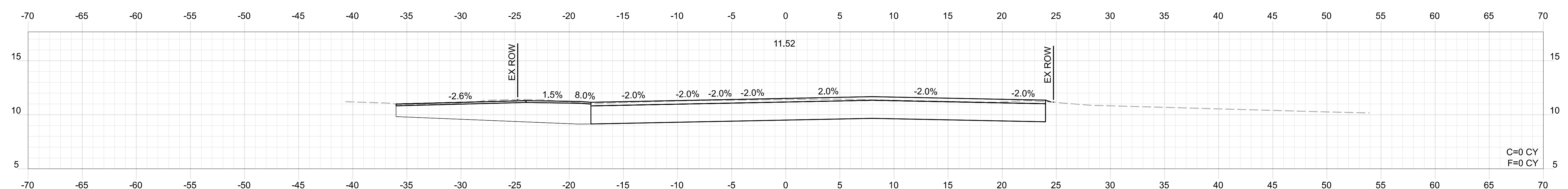
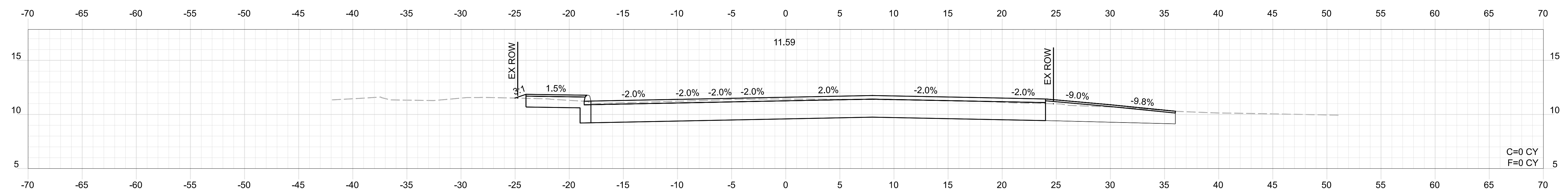
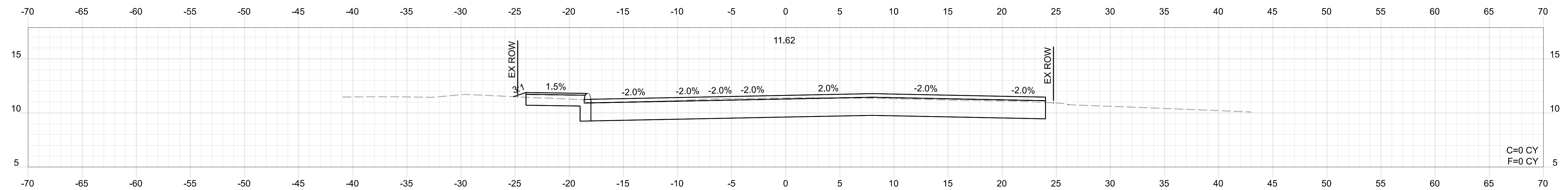
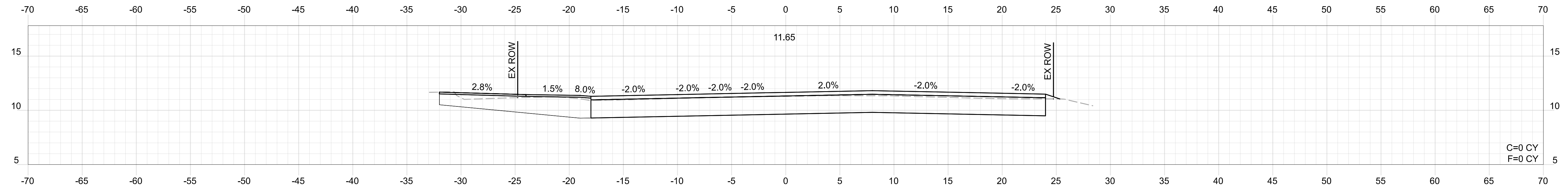
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
BY	
MMT	
DESIGN-DETAILED02	
DESIGN-DETAILED03	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

39

OF 42



Date: 1/14/2026

Username: mtwombly



NOT FOR CONSTRUCTION

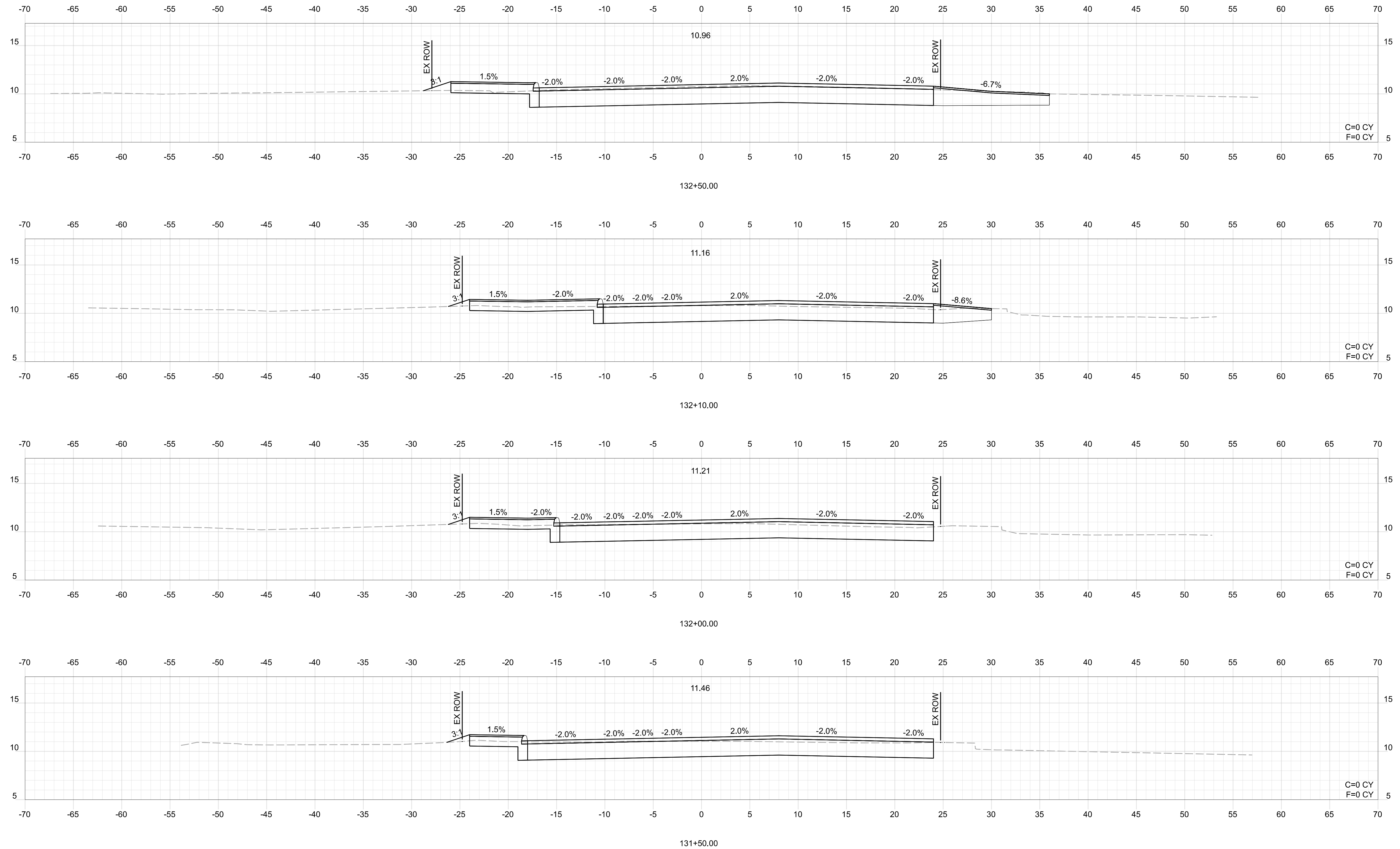
PROJ. MANAGER	DATE
DESIGN-DETAILED	01/2026
CHECKED-REVIEWED	
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REVISIONS 1	
REVISIONS 2	
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REVISIONS 4	
FIELD CHANGES	

## SCARBOROUGH EAST GRAND AVENUE CROSS SECTIONS

SHEET NUMBER

41

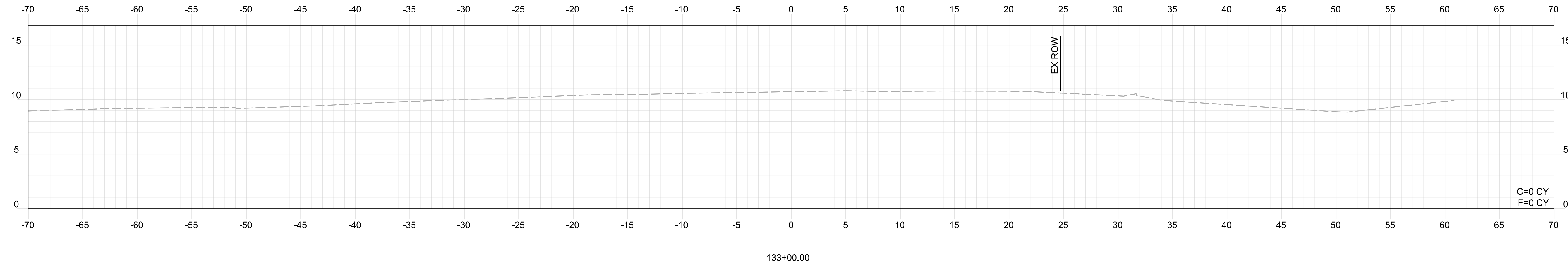
OF 42



Date: 1/14/2026

Username: mtwombly

Username: mtwombly Date: 1/14/2026



**NOT FOR  
CONSTRUCTION**

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	MMT	01/2026
CHECKED-REVIEWED		
DESIGN-DETAILED02		
DESIGN-DETAILED03		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

**SCARBOROUGH  
EAST GRAND AVENUE  
CROSS SECTIONS**

**SHEET NUMBER**

**42**

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