

Client:

2024 SIDEWALK PROGRAM

Description:

IVY AVENUE, GROVER AVENUE AND SCHOOLHOUSE STREET

ML Project No:

2111-06279-00

Client Project No:

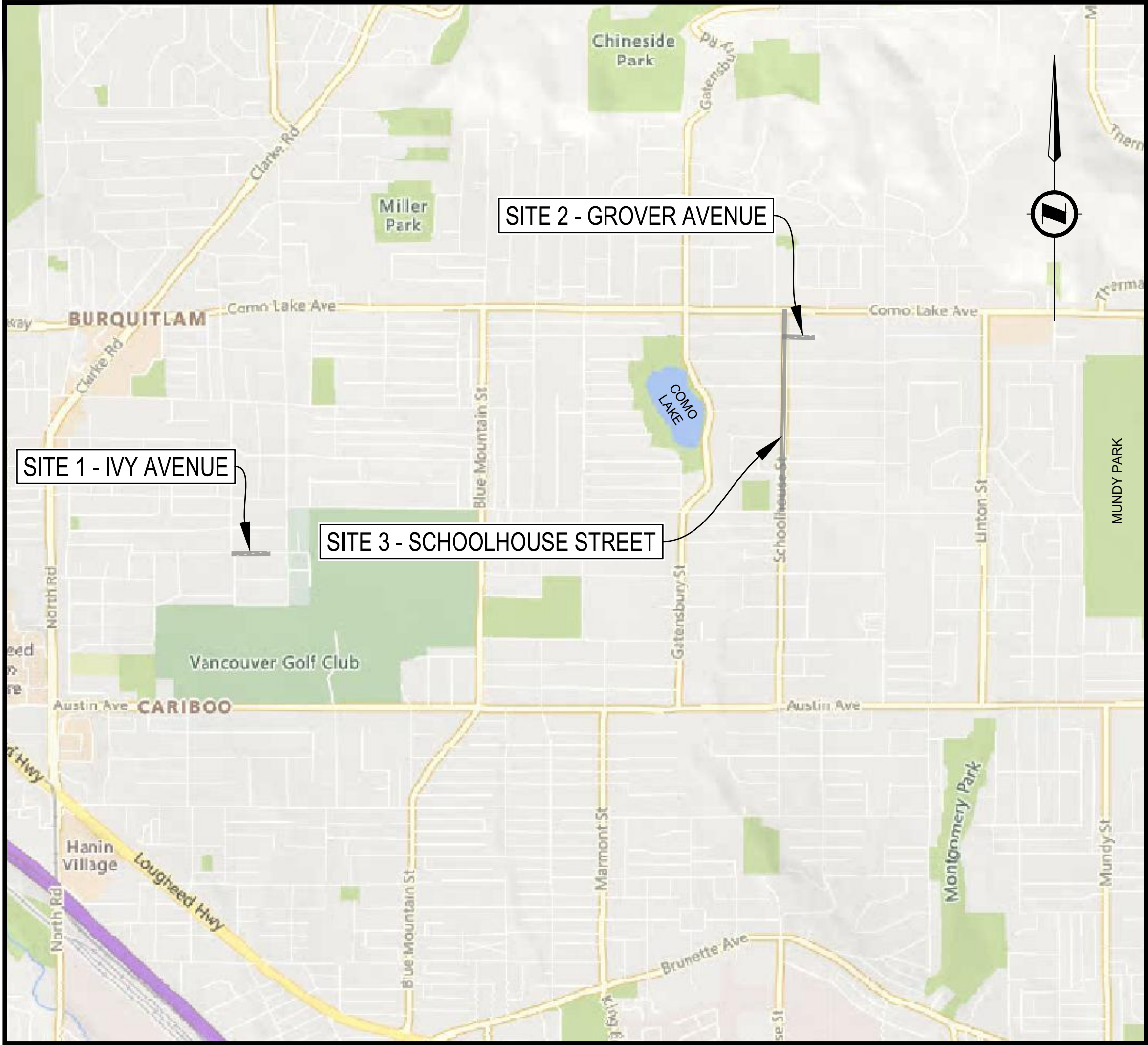
77052

ISSUED FOR TENDER

MARCH 21, 2024



Suite 2300
13450 102nd Avenue
Surrey BC
Canada V3T 5X3
T 604 596 0391



LOCATION PLAN
SCALE 1:15,000

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
00	COVER
01	SITE PLAN
02	ROADWORKS - IVY AVENUE - STA. 2+990 TO STA. 3+130
03	ROADWORKS - GROVER AVENUE INTERSECTION
04	ROADWORKS - GROVER AVENUE - STA. 4+080 TO STA. 4+120
05	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+015 TO STA. 1+110
06	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+110 TO STA. 1+230
07	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+230 TO STA. 1+350
08	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+350 TO STA. 1+470
09	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+470 TO STA. 1+590
10	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+590 TO STA. 1+710
11	ROADWORKS - SCHOOLHOUSE STREET - STA. 1+710 TO STA. 1+811
12	ROADWORKS - DRIVEWAY CROSSING DETAILS
13	CROSS SECTIONS - IVY AVENUE - STA. 3+000 TO STA. 3+105
14	CROSS SECTIONS - GROVER AVENUE - STA. 4+020 TO STA. 4+100
15	CROSS SECTIONS - SCHOOLHOUSE STREET - STA. 1+041 TO STA. 1+340
16	CROSS SECTIONS - SCHOOLHOUSE STREET - STA. 1+360 TO STA. 1+570
17	CROSS SECTIONS - SCHOOLHOUSE STREET - STA. 1+580 TO STA. 1+800

GENERAL CONSTRUCTION NOTES:

- ALL WORKS TO CONFORM TO THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (2009 EDITION - PLATINUM) AND ALL COQUITLAM APPROVED REVISIONS, AND TO THE CURRENT EDITION OF THE CITY OF COQUITLAM SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAIL DRAWINGS.
- REPAIR AND/OR REPLACE ALL INFRASTRUCTURE/PRIVATE PROPERTY DAMAGED OR REMOVED DURING CONSTRUCTION, TO BETTER THAN, OR EQUAL TO PRE-CONSTRUCTION CONDITION.
- REINSTATE ALL PRIVATE PROPERTY AND BOULEVARDS TO PRE-CONSTRUCTION CONDITIONS.
- CONTACT MUNICIPALITY URBAN FORESTRY DEPARTMENT PRIOR TO WORKING IN AND AROUND TREES.
- ENSURE THE CURRENT MUNICIPAL O.H.&S. GROUND DISTURBANCE PRACTICE AND PROCEDURES ARE FOLLOWED. CONTACT BC1 AT 1-800-474-6886 FOR EXTERNAL UTILITY LOCATIONS AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONFIRM LOCATION AND ELEVATION OF EXISTING UTILITIES AT ALL CROSSINGS AND CONNECTIONS PRIOR TO CONSTRUCTION.
- ENSURE ALL EXISTING SERVICES STAY IN OPERATIONAL CONDITION DURING CONSTRUCTION.
- A WALKTHROUGH WITH THE CONTRACT ADMINISTRATOR IS REQUIRED AFTER THE LAYOUT IS DONE. ADJUSTMENT OF BOULEVARD AND SIDEWALK ELEVATION MUST BE DONE AS INSTRUCTED BY THE CONTRACT ADMINISTRATOR. THESE ADJUSTMENTS ARE INCIDENTAL TO THE CONTRACT.

ENVIRONMENTAL NOTES:

USE BEST MANAGEMENT PRACTICES DURING CONSTRUCTION. ADJUST WORK ACTIVITIES DURING PERIODS OF HEAVY RAIN TO MINIMIZE SEDIMENTS ENTERING THE STORM DRAINAGE SYSTEM. BMP'S TO ADHERE TO:

- CHECK ALL EQUIPMENT FOR FLUID LEAKS PRIOR TO ENTERING THE WORK AREA.
- NO EQUIPMENT RE-FUELING TO OCCUR IN THE WORK AREA UNLESS SPILL PROTECTION MEASURES ARE IN PLACE.
- A SPILL KIT IS TO BE MAINTAINED ON SITE THROUGHOUT THE CONSTRUCTION PERIOD.
- SURFACE WATER IS TO BE MANAGED WITHIN THE WORK AREA AND TREATED BEFORE DISCHARGED. THIS MAY INCLUDE ONSITE DETENTION AND/OR CULVERT FILTRATION.
- COVER EXPOSED SOILS IN INCLEMENT WEATHER ~~ie~~ TARP, HYDRO SEED OR ORGANIC LEAF MULCH.
- STOCKPILE SOILS AWAY FROM CULVERT INLETS AND ENSURE THEY ARE COVERED IF LEFT FOR MORE THAN 48 HOURS.
- SURROUND PROTECTED TREES WITH SNOW FENCING AT DRIP LINE OR CRITICAL ROOT ZONE OF TREE DURING CONSTRUCTION. CONTACT MUNICIPAL ARBORIST PRIOR TO BEGINNING CONSTRUCTION.
- REVIEW KOOME URBAN FORESTRY TREE MANAGEMENT PLAN AND ARBORIST REPORT DATED JUNE 26, 2023 FOR RECOMMENDATIONS REGARDING TREE PROTECTION AND REMOVALS ALONG SCHOOLHOUSE STREET.
- REVIEW KOOME URBAN FORESTRY TREE MANAGEMENT PLAN AND ARBORIST REPORT DATED DECEMBER 28, 2023 FOR RECOMMENDATIONS REGARDING TREE PROTECTION AND REMOVALS ALONG IVY STREET AND GROVER STREET.

THE SEAL AND SIGNATURE ON THIS DOCUMENT ONLY CERTIFIES THAT THE ACCURACY AND COMPLETENESS OF THE DESIGN/INFORMATION IN THE DOCUMENT ARE APPROPRIATE FOR THE TENDER STAGE OF THIS PROJECT, AND THE STATE OF COMPLETION OF THE DOCUMENT REFLECTS THAT LIMITED USE. THE SIGNATORY DOES NOT WARRANT OR GUARANTEE, NOR ACCEPT ANY RESPONSIBILITY FOR, THE USE OF THESE DOCUMENTS FOR ANY PURPOSES OTHER THAN THE TENDER STAGE.

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1:1000 0 20 60m

PROJECT 2024 SIDEWALK PROGRAM
IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION SITE PLAN
IVY AVENUE, GROVER AVENUE AND SCHOOLHOUSE STREET
File: 06279-C1-001

SCALE 1:1000 HORIZ. N/A
SHEET 1 OF 17
ENG PROJECT NUMBER 2111-06279-00



SCHOOLHOUSE STREET
SCALE 1:2500



IVY AVENUE
SCALE: 1:1000



GROVER AVENUE
SCALE: 1:1000

Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top
Gasmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP
Approved Sealed

NO.	DATE	BY	REVISIONS	ENG.
C	2024.03.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

DESIGN BY	DATE
HL	October 27, 2023
DRAWN BY	DATE
MMJ	October 27, 2023
CHECKED BY	DATE
MH	October 27, 2023
APPROVED BY	DATE
AG	October 27, 2023

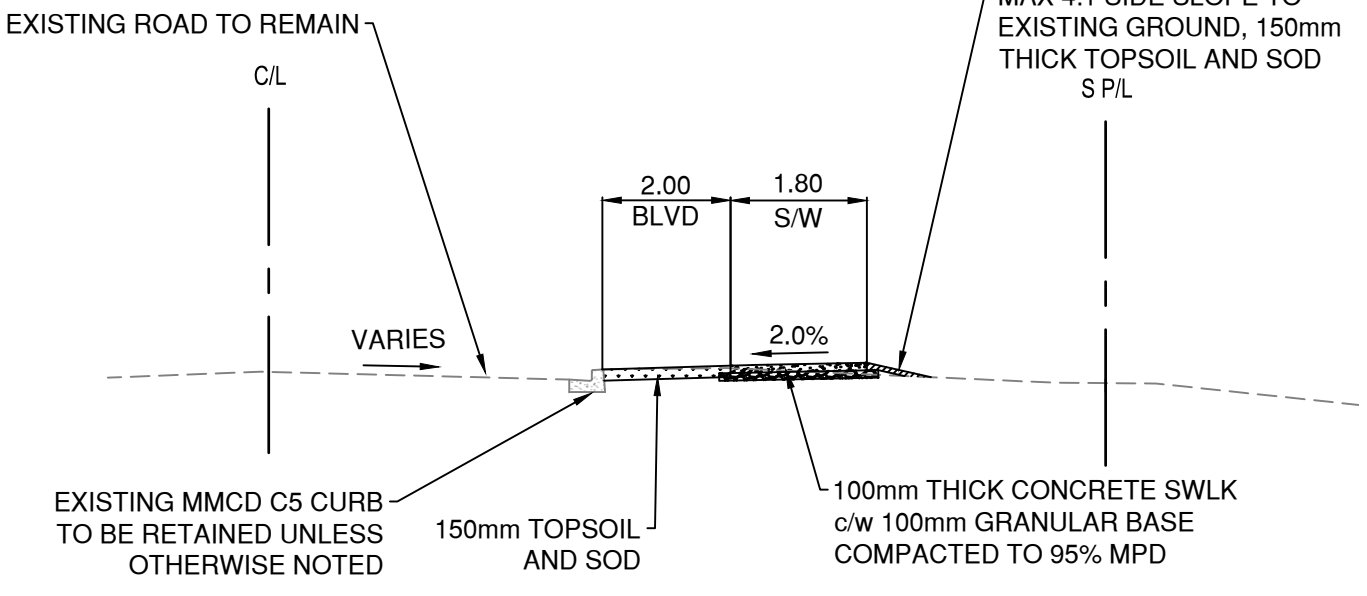
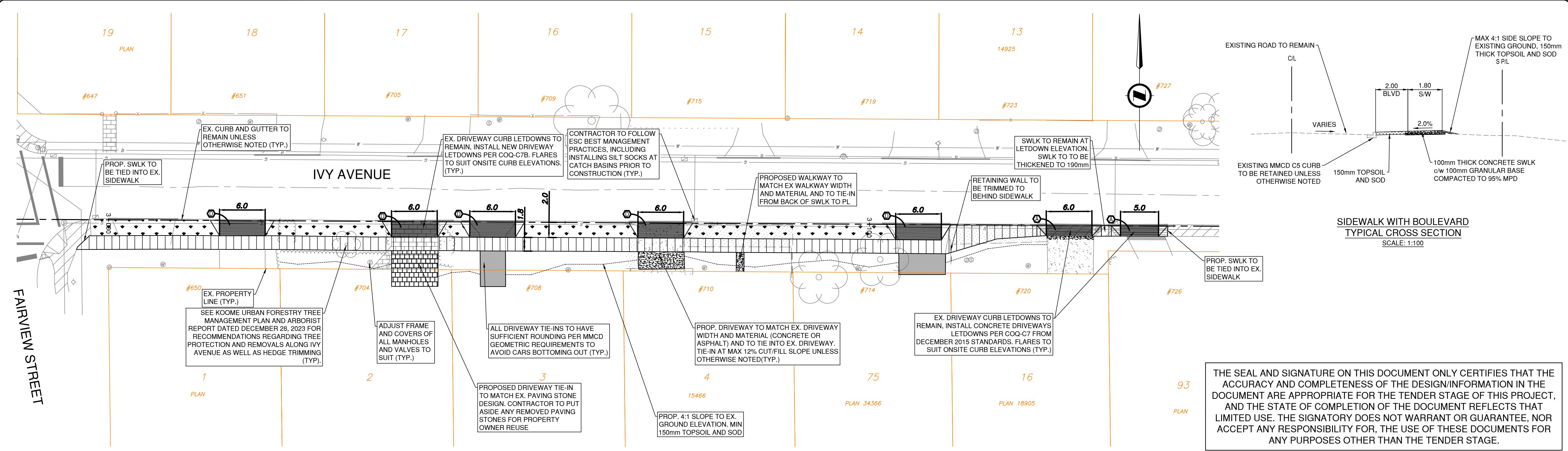
Coquitlam

McElhanney

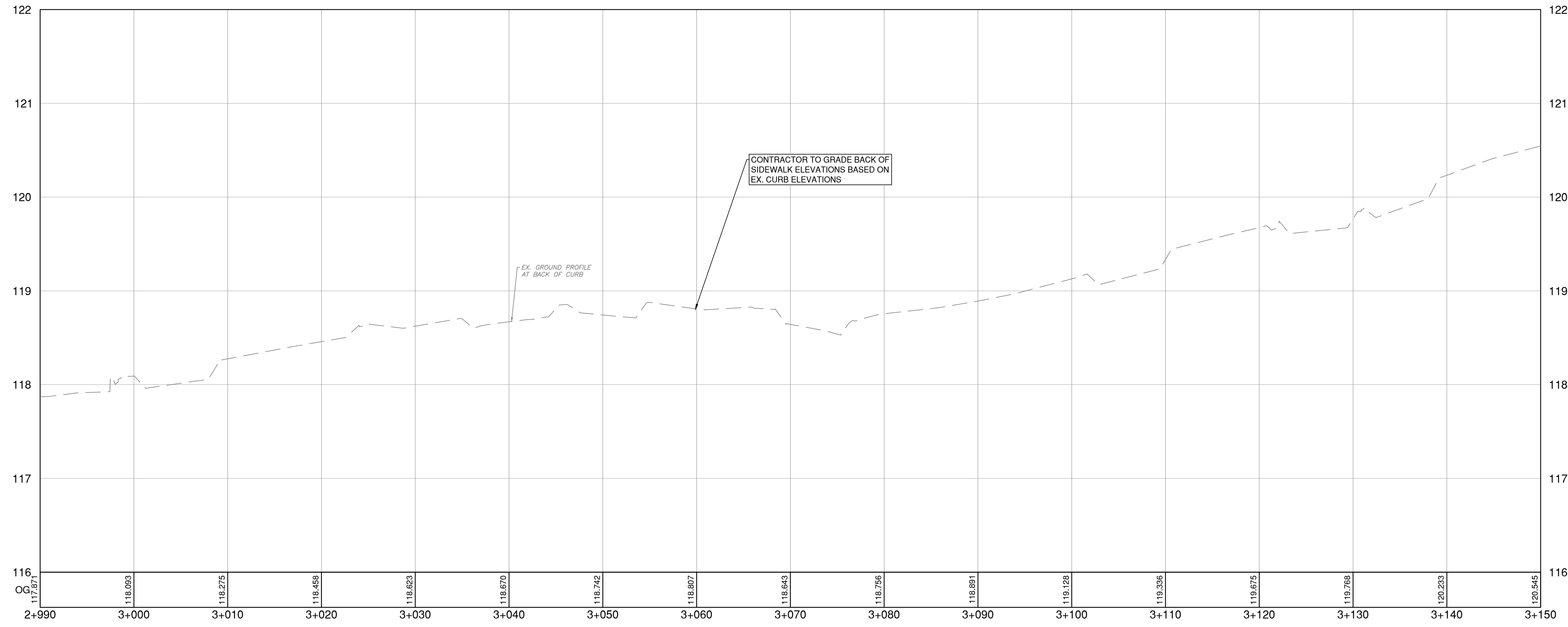
PERMIT TO PRACTICE
McElhanney Ltd.
PERMIT NUMBER: 1003299
Engineers and Geoscientists of BC

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SCALE 1:1000 HORIZ. N/A
SHEET 1 OF 17
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- NOTES: (REFER TO SHEET 12)
- Ⓐ TYPE A DRIVEWAY LETDOWN
 - Ⓑ TYPE B DRIVEWAY LETDOWN
 - Ⓒ TYPE C DRIVEWAY LETDOWN
 - Ⓓ TYPE D DRIVEWAY LETDOWN

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LEGEND	
	ASPHALT DRIVEWAY TIE-IN - 60mm UC #2 ASPHALT w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
	CONCRETE DRIVEWAY TIE-IN - 100mm(150mm MAX) CONCRETE w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE, THICKENED TO 190mm THROUGH DRIVEWAYS AND RAMP PER COQ-C7, COQ-C7B
	BOULEVARD - 150mm TOPSOIL AND SOD



- SURVEY CONTROL:
- THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
 - ELEVATIONS ARE IN METRES AND ARE GEODETIC.
 - ELEVATIONS ARE DERIVED FROM CONVENTIONAL OBSERVATION OF SURVEY CONTROL MONUMENT 73H227, ELEV. = 105.000m, LOCATED AT THE INTERSECTION OF IVY AVE AND CROSBY STREET (COORDINATES INWAD 2018).
 - TO CONVERT TO NAD83 U.T.M. COORDINATES MULTIPLY BY THE COMBINED FACTOR 0.999587.

- | | | |
|---------------------|-------------------------|--------------------------|
| Edge of pavement | Hydrant | Sanitary service |
| Watermain and valve | Water air valve | Sanitary cleanout |
| Drainage sewer, MH | Water blowoff | Utility pole(joint pole) |
| Drainage ditch | Water service | Utility pole with light |
| Sanitary sewer, MH | Catch basin, top inlet | Streetlight, davit |
| Sanitary forcemain | Catch basin, side inlet | Streetlight, post top |
| Gasmain and valve | Catch basin, round | Comb signal pole |
| Hydro duct, MH | Drainage service | Traffic signal pole |
| Telephone duct, MH | Drainage cleanout | Traffic signal post |

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PERMIT TO PRACTICE

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PERMIT NUMBER: 1003299

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SCALE HORIZ 1:250 SCALE VERT 1:25

SHEET 2 OF 17

ENG PROJECT NUMBER 2111-06279-00

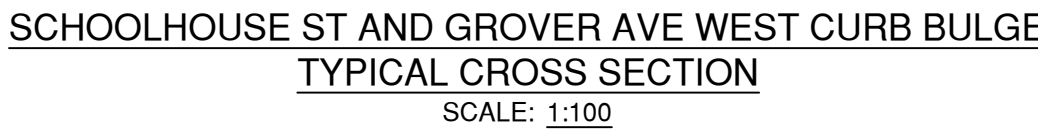
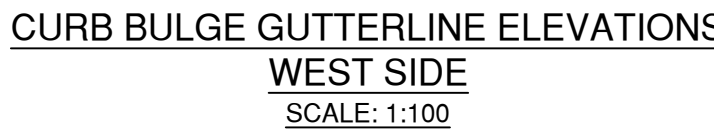
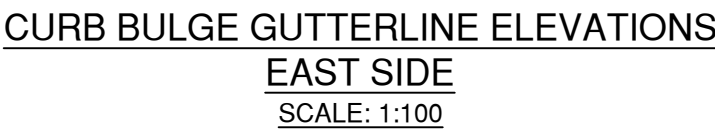
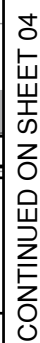
PROJECT 2024 SIDEWALK PROGRAM

IVY AVE, GROVER AVE & SCHOOLHOUSE ST

DESCRIPTION ROADWORKS

IVY AVENUE - STA. 2+990 TO STA. 3+130

File: 06279-C3-100



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SURVEY CONTROL:

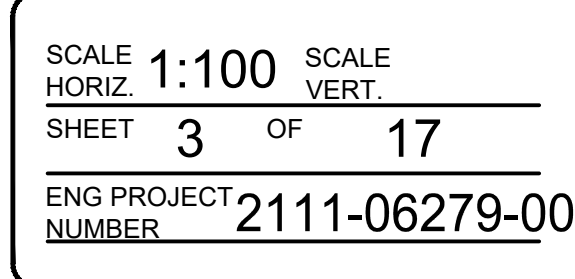
1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
2. ELEVATIONS ARE IN METRES AND ARE GEODEIC.
3. ELEVATIONS ARE DERIVED FROM CONVENTIONAL OBSERVATION OF SURVEY CONTROL MONUMENT 73H0257. ELEV. = 105.000m. LOCATED AT THE INTERSECTION OF IVY AVE AND CROSBY STREET [CGVD28 [MVRD 2018]].
4. TO CONVERT TO NAD83 U.T.M. COORDINATES MULTIPLY BY THE COMBINED FACTOR 0.9995887.



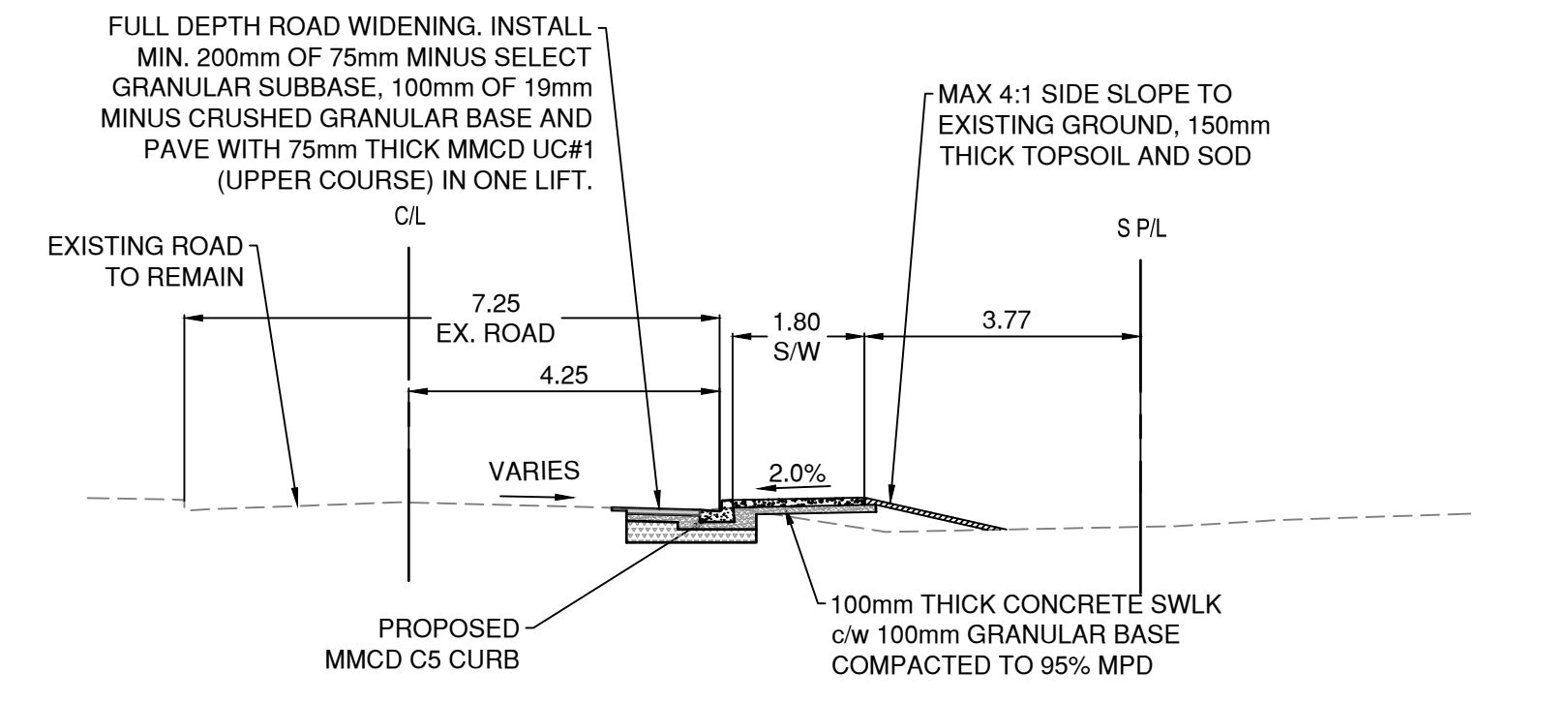
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DESIGN BY HL	DATE OCTOBER 27, 2023
DRAWN BY MWJ	DATE OCTOBER 27, 2023
CHECKED BY MH	DATE OCTOBER 27, 2023
APPROVED BY AG	DATE OCTOBER 27, 2023



PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS GROVER AVENUE AND SCHOOLHOUSE STREET INTERSECTION
File: 06279-C4-100	



FULL DEPTH ASPHALT MILLING (MIN 125mm.) INSTALL MIN. 50mm OF 19mm MINUS CRUSHED GRANULAR BASE AND PAVE WITH 75mm THICK MMCD UC#1 (UPPER COURSE) IN ONE LIFT.

C/L

7.25 EX. ROAD

4.25

VARIES

1.80 S/W

2.0%

3.77

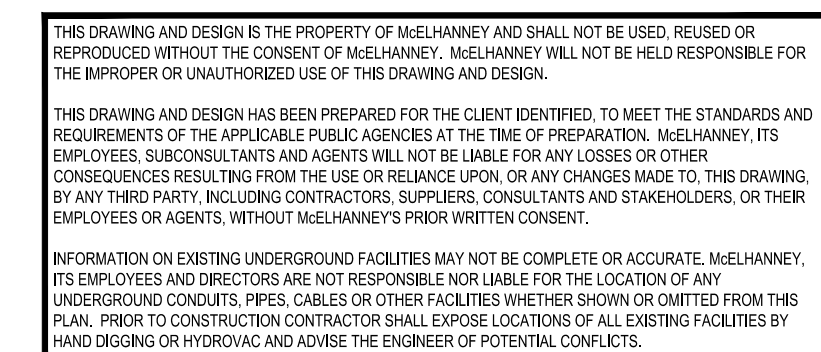
S/P/L

PROPOSED MMCD C5 CURB

100mm THICK CONCRETE SWLK c/w 100mm GRANULAR BASE COMPACTED TO 95% MPD

AT ALL LIMITS OF CONSTRUCTION, SAWCUT EXISTING PAVEMENT FOR CLEAN SURFACE, THEN GRIND, TACK COAT, AND OVERLAY 200mm OF 35mm C#1 THICK ASPHALT AS PER COQUITLAM STANDARD DETAIL COQ G4 (TYP.)

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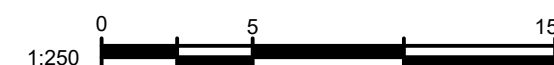
	ASPHALT DRIVEWAY TIE-IN - 60mm UC #2 ASPHALT w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
	FULL ROAD WIDENING
	FULL DEPTH ASPHALT MILLING AND PAVING
	CONCRETE DRIVEWAY TIE-IN - 100mm(150mm MAX) CONCRETE w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
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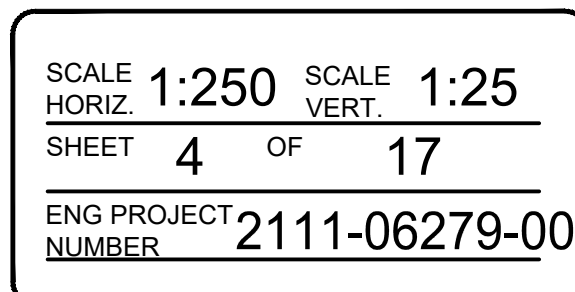
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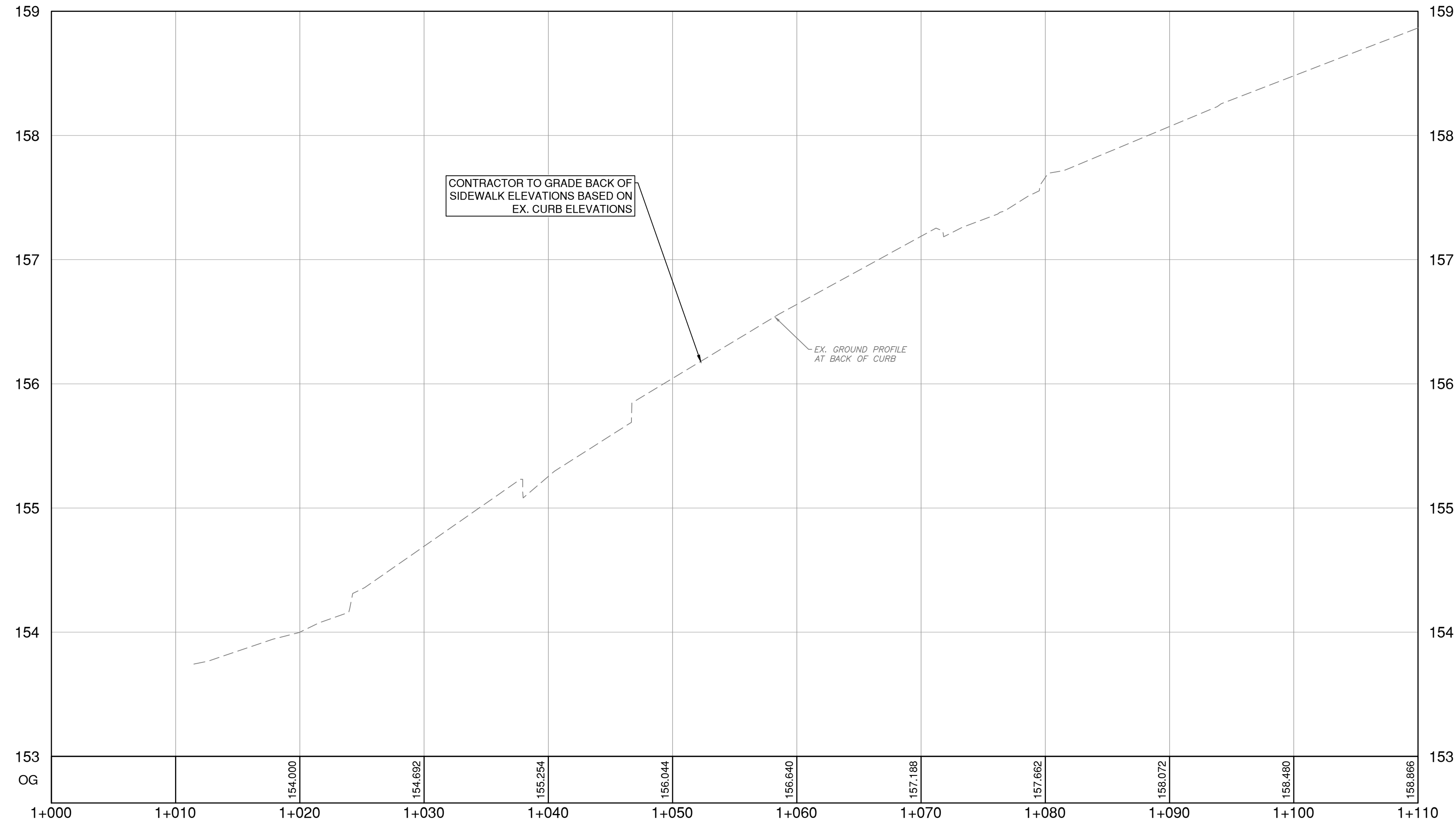
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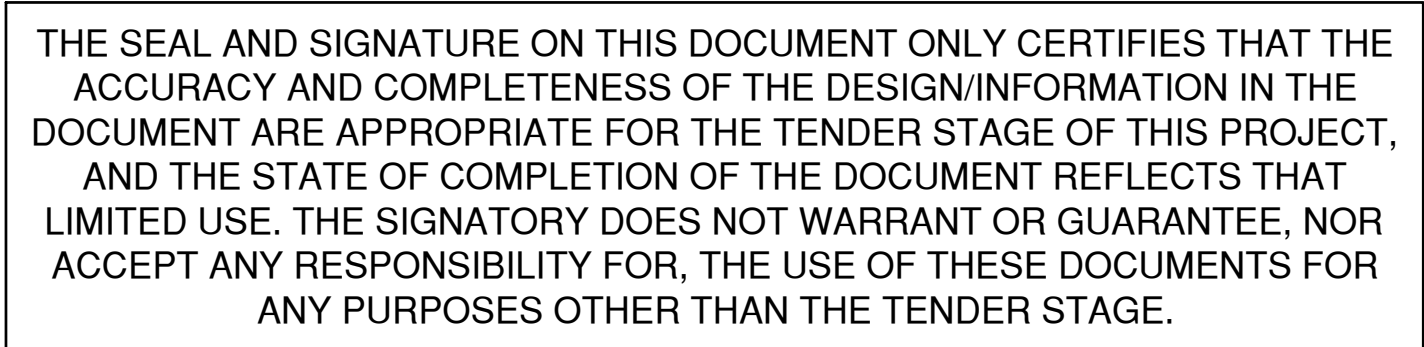
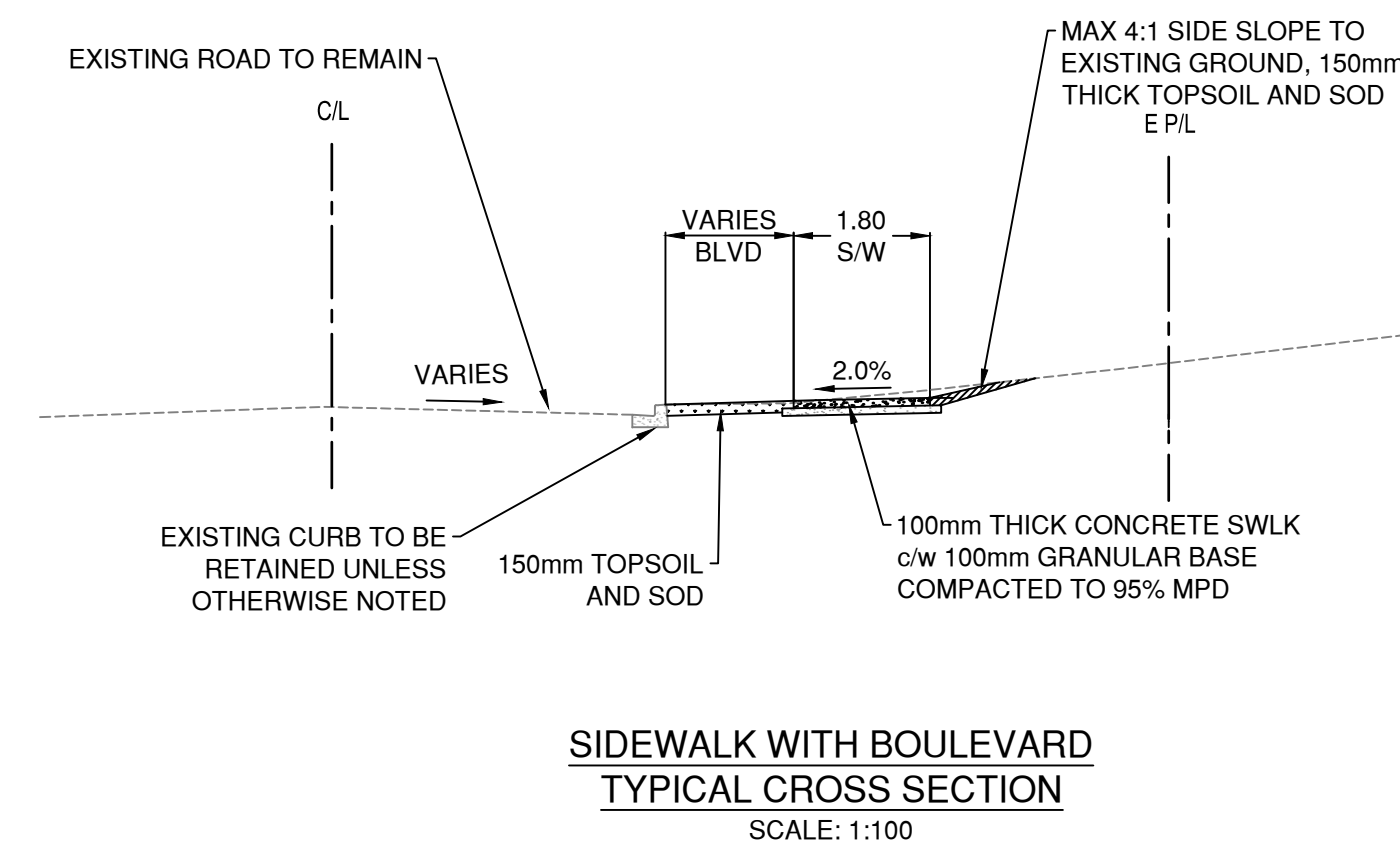
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PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS GROVER AVENUE - STA. 4+060 TO STA. 4+120
File: 06279-C4-100.	

FOSTER AVENUE





- NOTES: (REFER TO SHEET 12)
- A** TYPE A DRIVEWAY LETDOWN
- B** TYPE B DRIVEWAY LETDOWN
- C** TYPE C DRIVEWAY LETDOWN
- D** TYPE D DRIVEWAY LETDOWN

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	BOULEVARD - 150mm TOPSOIL AND SOD

SURVEY CONTROL:

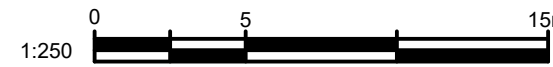
1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
2. ELEVATIONS ARE IN METRES AND ARE GEODETIC.
3. ELEVATIONS ARE DERIVED FROM CONTROL MONUMENT 73H0401, LOCATED AT THE INTERSECTION OF FOSTER AVENUE AND SCHOOLHOUSE STREET, ELEVATION = 153.068m.
4. TO CONVERT TO NAD83 U.T.M. COORDINATES:

FIRST APPLY THE FOLLOWING SHIFT

N 5,452,917.624
E 507,895.698

THEN APPLY THE SCALE FACTOR 0.9996 BASED ABOUT POINT OF ORIGIN GCM 73H0401

N 5,455,938.390
E 510,756.068



Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole (joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary force main	Catch basin, side inlet	Streetlight, post top
Gasmain and valve	Catch basin, round	Comb signal pole
Hydro tank, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

Approved Sealed

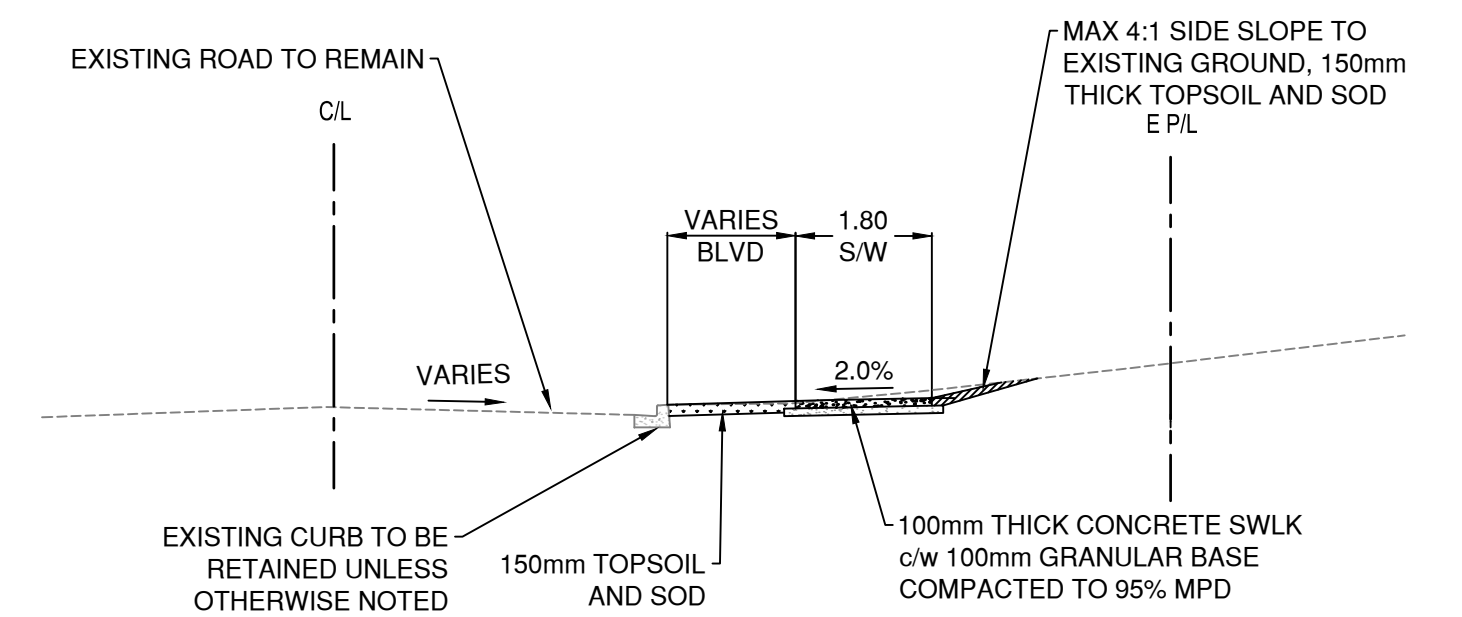
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PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG
NO.	DATE	BY	REVISIONS	ENG.

DESIGN BY	DATE
HL	December 09, 2022
DRAWN BY	DATE
MWJ	December 09, 2022
CHECKED BY	DATE
MH	December 09, 2022
APPROVED BY	DATE
AG	December 09, 2022

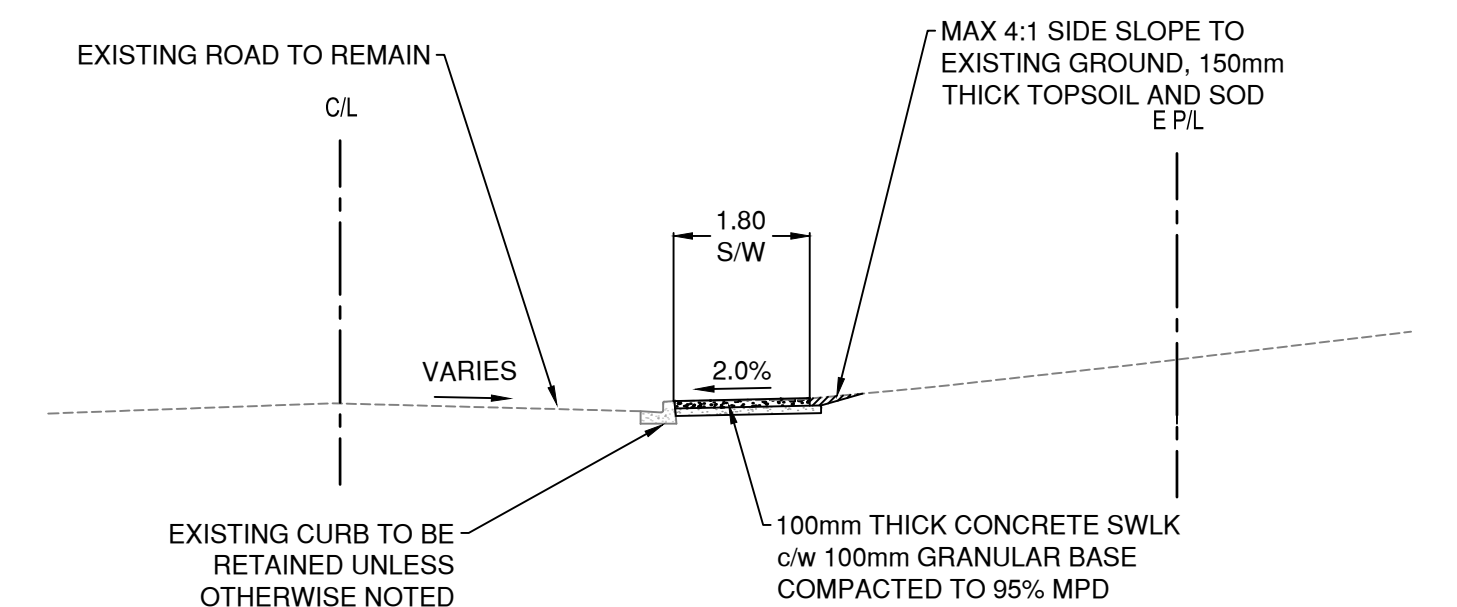


SCALE 1:250 SCALE 1:25
HORIZ. VERT.
SHEET 6 OF 17
ENG PROJECT 2111-06279-00
NUMBER

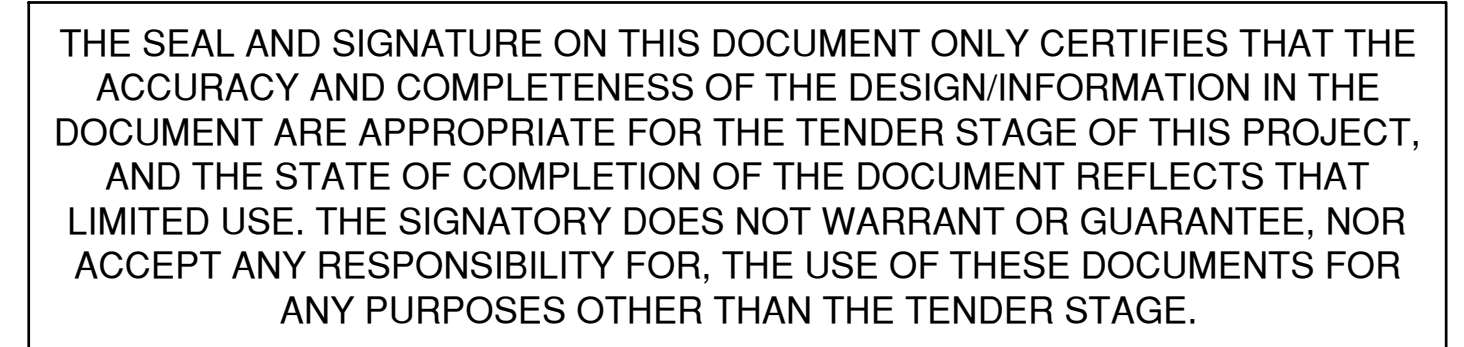
PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS SCHOOLHOUSE STREET - STA. 1+110 TO STA. 1+230
File: 06116-C1-100	







SIDEWALK WITH BOULEVARD
TYPICAL CROSS SECTION
SCALE: 1:100



CURB ADJACENT SIDEWALK
TYPICAL CROSS SECTION
SCALE: 1:100






- NOTES: (REFER TO SHEET 12)
-  TYPE A DRIVEWAY LETDOWN
-  TYPE B DRIVEWAY LETDOWN
-  TYPE C DRIVEWAY LETDOWN
-  TYPE D DRIVEWAY LETDOWN

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LEGEND	
	ASPHALT DRIVEWAY TIE-IN - 60mm UC #2 ASPHALT w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
	CONCRETE DRIVEWAY TIE-IN - 100mm (150mm MAX) CONCRETE w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE, THICKENED TO 190mm THROUGH DRIVEWAYS AND RAMP PER COQ-C7, COQ-C7B
	BOULEVARD - 150mm TOPSOIL AND SOD

SURVEY CONTROL:

1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
2. ELEVATIONS ARE IN METRES AND ARE GEODETIC.
3. ELEVATIONS ARE DERIVED FROM CONTROL MONUMENT 73H0401, LOCATED AT THE INTERSECTION OF FOSTER AVENUE AND SCHOOLHOUSE STREET, ELEVATION = 153.068m
4. TO CONVERT TO NAD83 U.T.M. COORDINATES:

FIRST APPLY THE FOLLOWING SHIFT

N 5,452,917.624
E 507,695.698

THEN APPLY THE SCALE FACTOR 0.99995 BASED ABOUT POINT OF ORIGIN GCM 73H0401

N 5,455,509.390
E 510,756.068



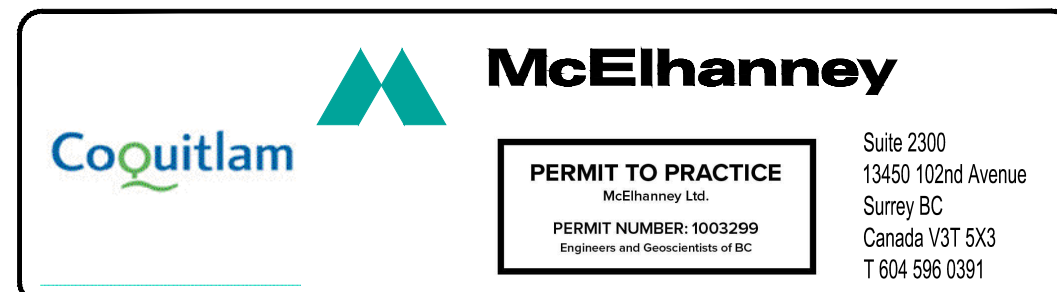
Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top
Gasmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

Approved Sealed

C	2024.03.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG
NO.	DATE	BY	REVISIONS	ENG.

DESIGN BY	DATE
HL	December 09, 2022
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MWJ	December 09, 2022
CHECKED BY	DATE
MH	December 09, 2022
APPROVED BY	DATE
AG	December 09, 2022

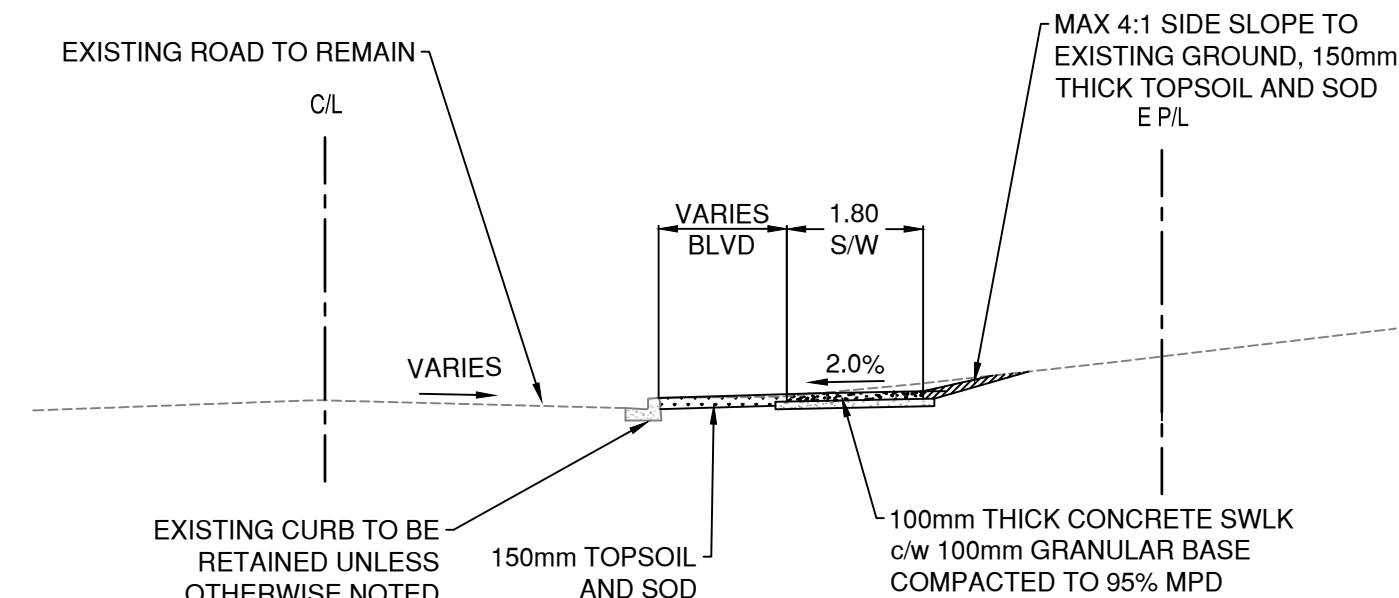
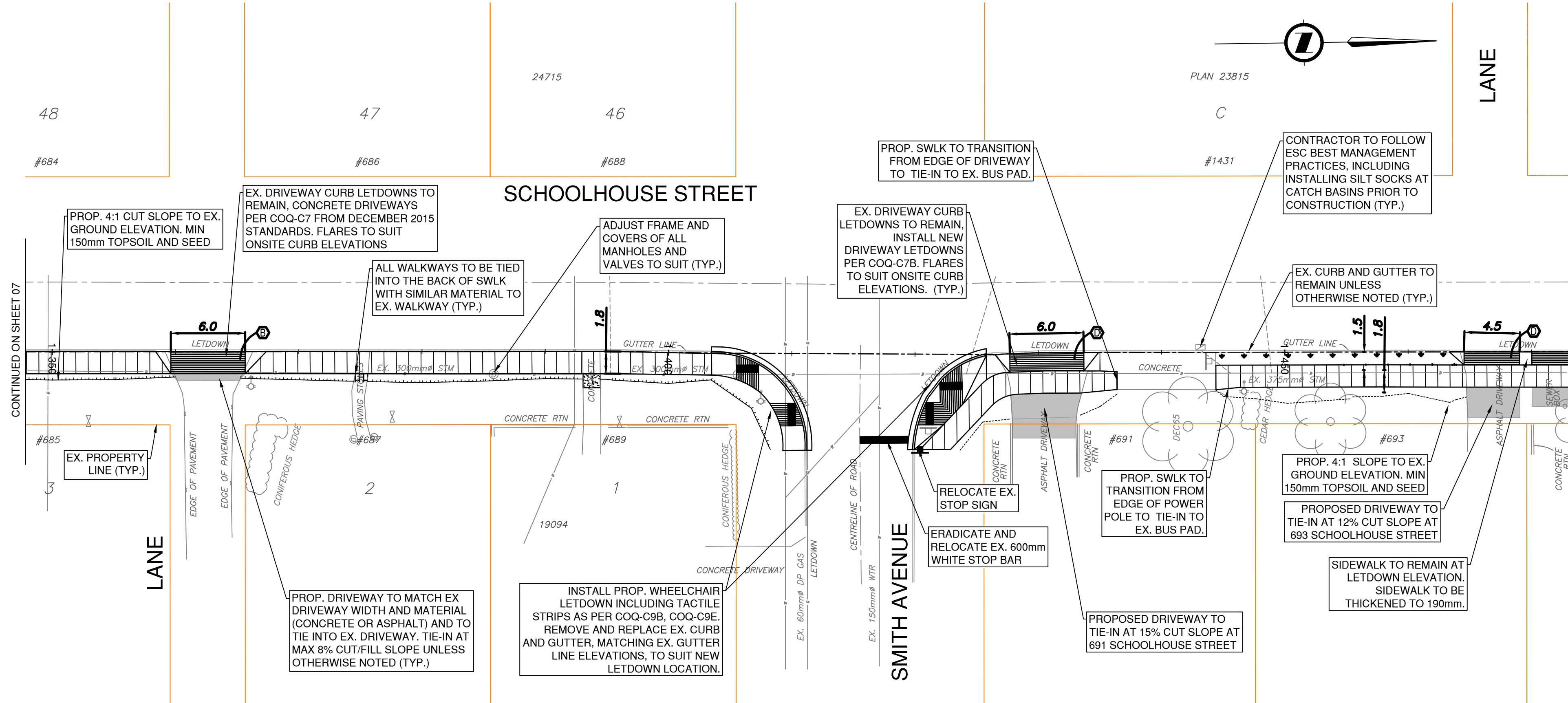


SCALE 1:250 SCALE 1:25
HORIZ. VERT.

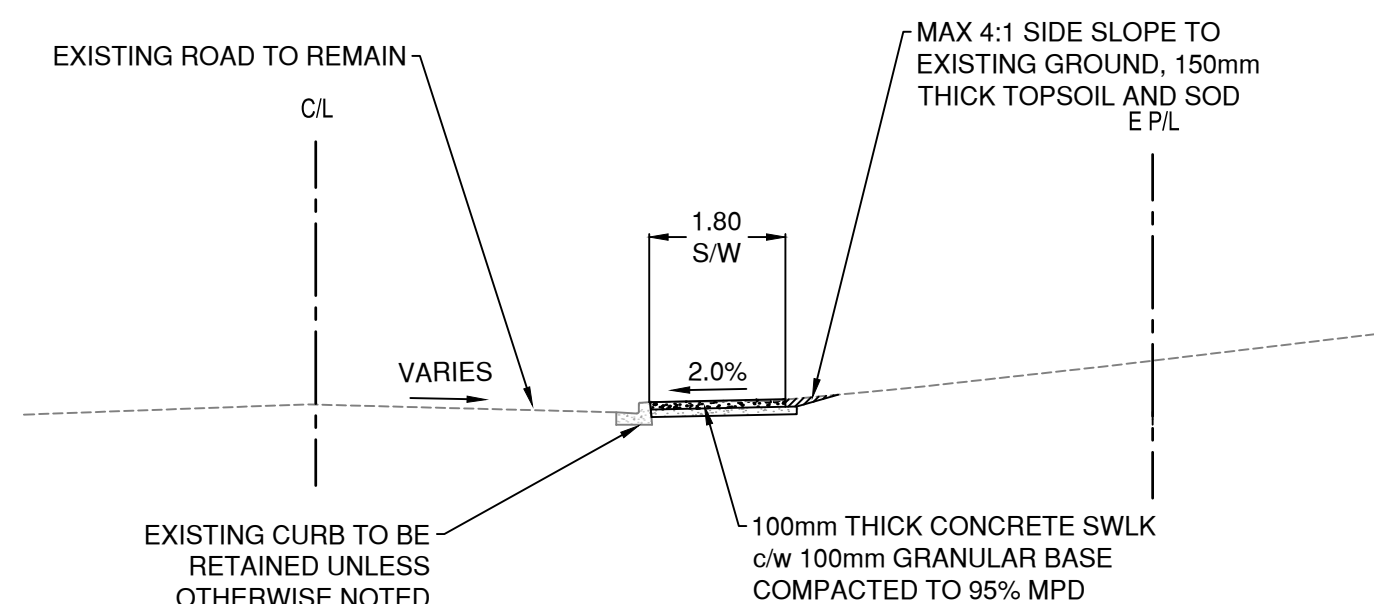
SHEET 7 OF 17

ENG PROJECT 2111-06279-00
NUMBER

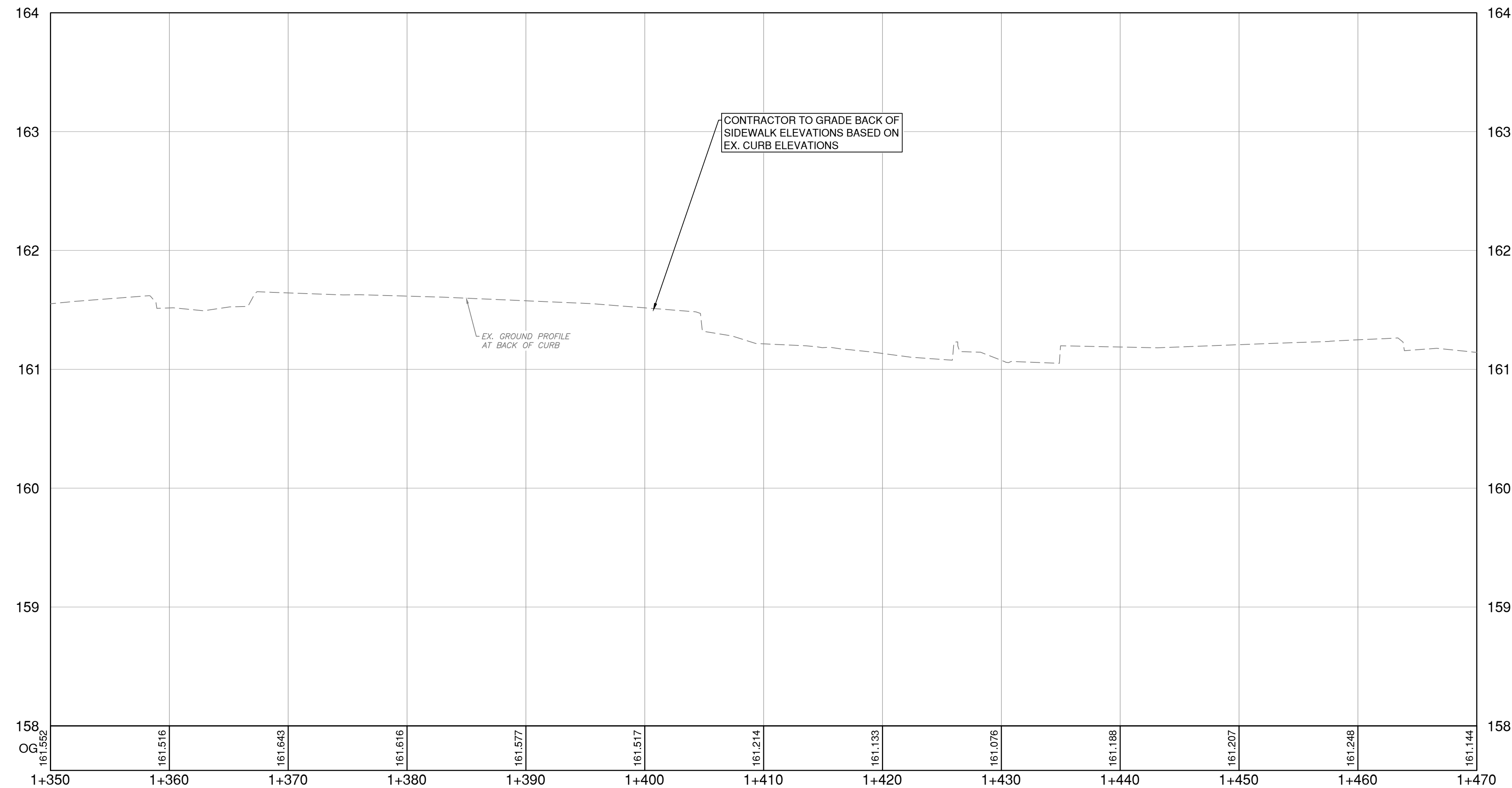
PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS SCHOOLHOUSE STREET - STA. 1+230 TO STA. 1+350
File: 06116-C1-100	



SIDEWALK WITH BOULEVARD
TYPICAL CROSS SECTION
SCALE: 1:100



CURB ADJACENT SIDEWALK
TYPICAL CROSS SECTION
SCALE: 1:100



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- NOTES: (REFER TO SHEET 12)
- TYPE A DRIVEWAY LETDOWN
 - TYPE B DRIVEWAY LETDOWN
 - TYPE C DRIVEWAY LETDOWN
 - TYPE D DRIVEWAY LETDOWN

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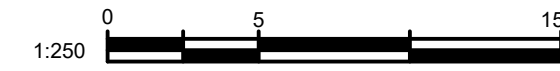
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LEGEND	
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	CONCRETE DRIVEWAY TIE-IN - 100mm(150mm MAX) CONCRETE w/ 100mm GRANULAR BASE COMPACTED TO 95% MPD
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	BOULEVARD - 150mm TOPSOIL AND SOD

SURVEY CONTROL:

- THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
- ELEVATIONS ARE IN METRES AND ARE GEODETIC.
- ELEVATIONS ARE DERIVED FROM CONTROL MONUMENT 73H401, LOCATED AT THE INTERSECTION OF FOSTER AVENUE AND SCHOOLHOUSE STREET, ELEVATION = 153.068m TO CONVERT TO NAD83 U.T.M. COORDINATES.
- FIRST APPLY THE FOLLOWING SHIFT
N 5452.917 024
E 507.695 698
THEN APPLY THE SCALE FACTOR 0.9996 BASED ABOUT POINT OF ORIGIN GCM 73H401
N 5455.938 390
E 510.756 068



Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
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Gasmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

Approved Sealed

NO.	DATE	BY	REVISIONS	ENG.
C	2024.03.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
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APPROVED BY	DATE
AG	December 09, 2022

Coquitlam

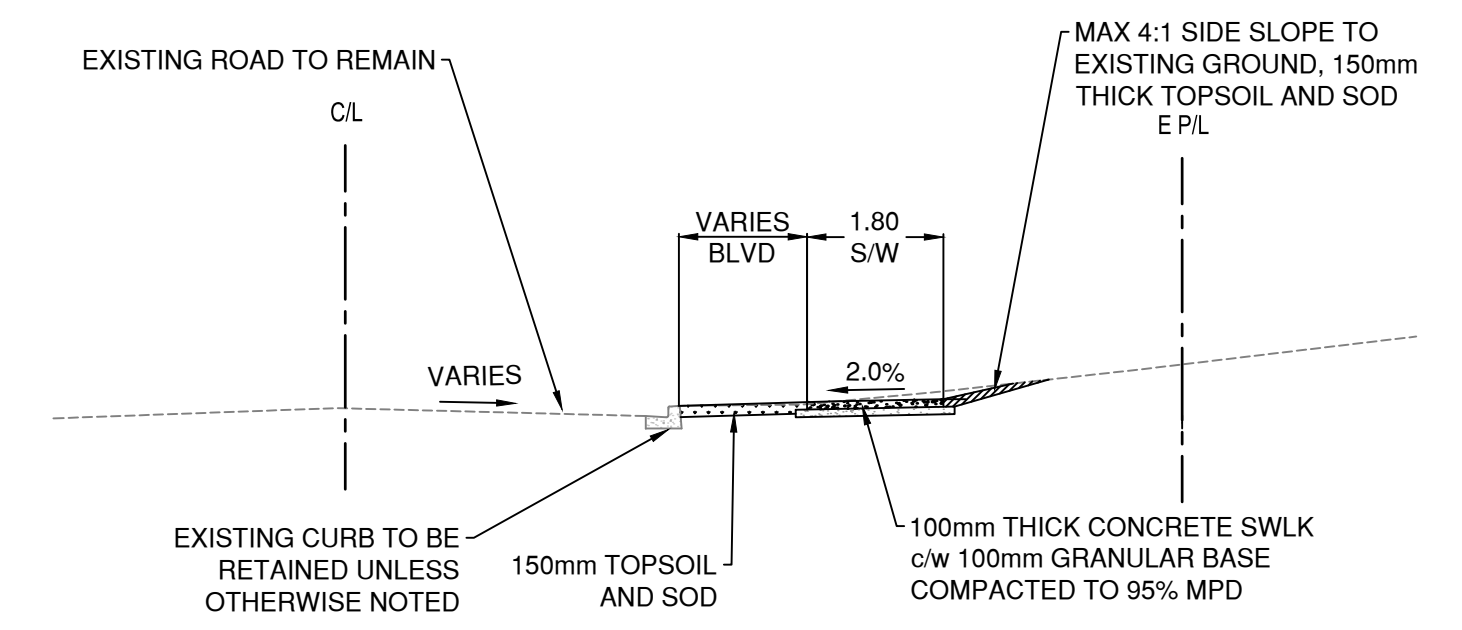
McElhanney

PERMIT TO PRACTICE
McElhanney Ltd.
PERMIT NUMBER: 1003299
Engineers and Geoscientists of BC

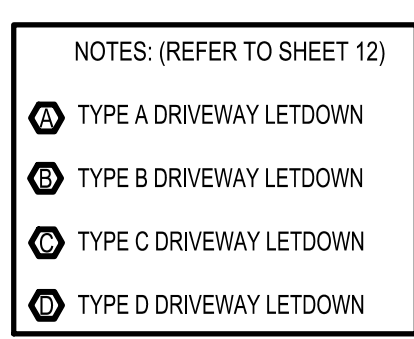
Suite 2300
13450 102nd Avenue
Surrey BC
Canada V3T 5X3
T 604 596 0391

SCALE	1:250	SCALE	1:25
HORIZ.		VERT.	
SHEET	8	OF	17
ENG PROJECT NUMBER	2111-06279-00		

PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS SCHOOLHOUSE STREET - STA. 1+350 TO STA. 1+470
File:	06116-C1-100



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	BOULEVARD - 150mm TOPSOIL AND SOD

SURVEY CONTROL:

1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
2. ELEVATIONS ARE IN METRES AND ARE GEODETIC.
3. ELEVATIONS ARE DERIVED FROM CONTROL MONUMENT 73H0401, LOCATED AT THE INTERSECTION OF FOSTER AVENUE AND SCHOOLHOUSE STREET, ELEVATION = 153.086m TO CONVERT TO WAD83 U.T.M. COORDINATES.

FIRST APPLY THE FOLLOWING SHIFT

N 5.452 917.624
E 507.895.698

THEN APPLY THE SCALE FACTOR 0.9996 BASED ABOUT POINT OF ORIGIN GCM 73H0401

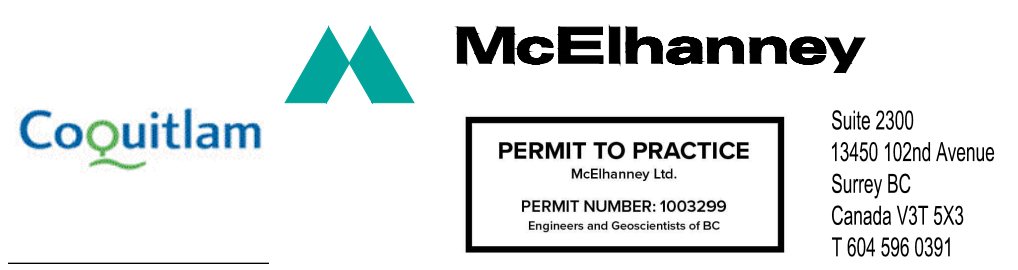
N 5.455 939.390
E 510.756.068



STAMP

Approved Sealed

DESIGN BY	DATE
HL	December 09, 2022
DRAWN BY	DATE
MWJ	December 09, 2022
CHECKED BY	DATE
MH	December 09, 2022
APPROVED BY	DATE
AG	December 09, 2022

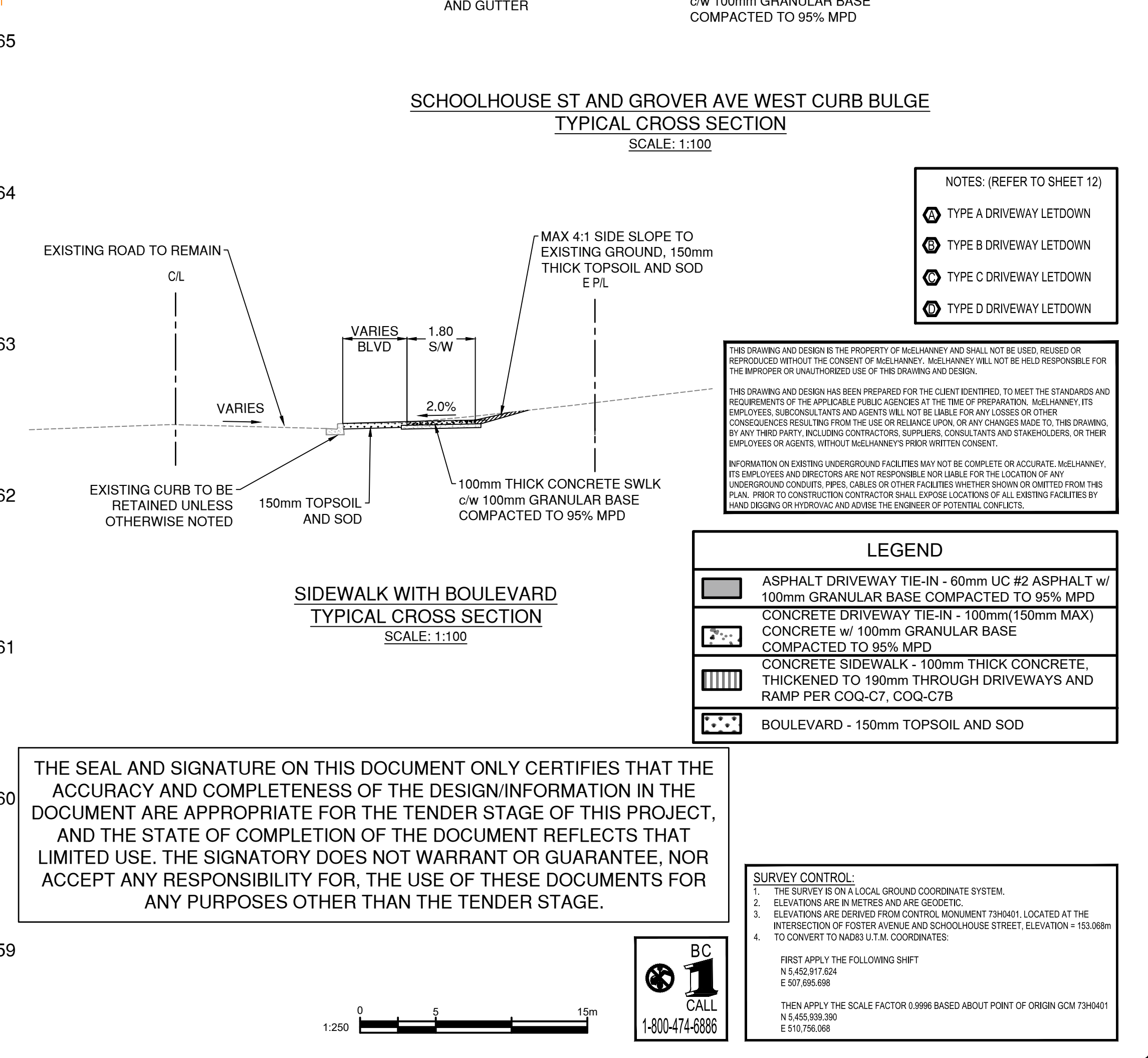
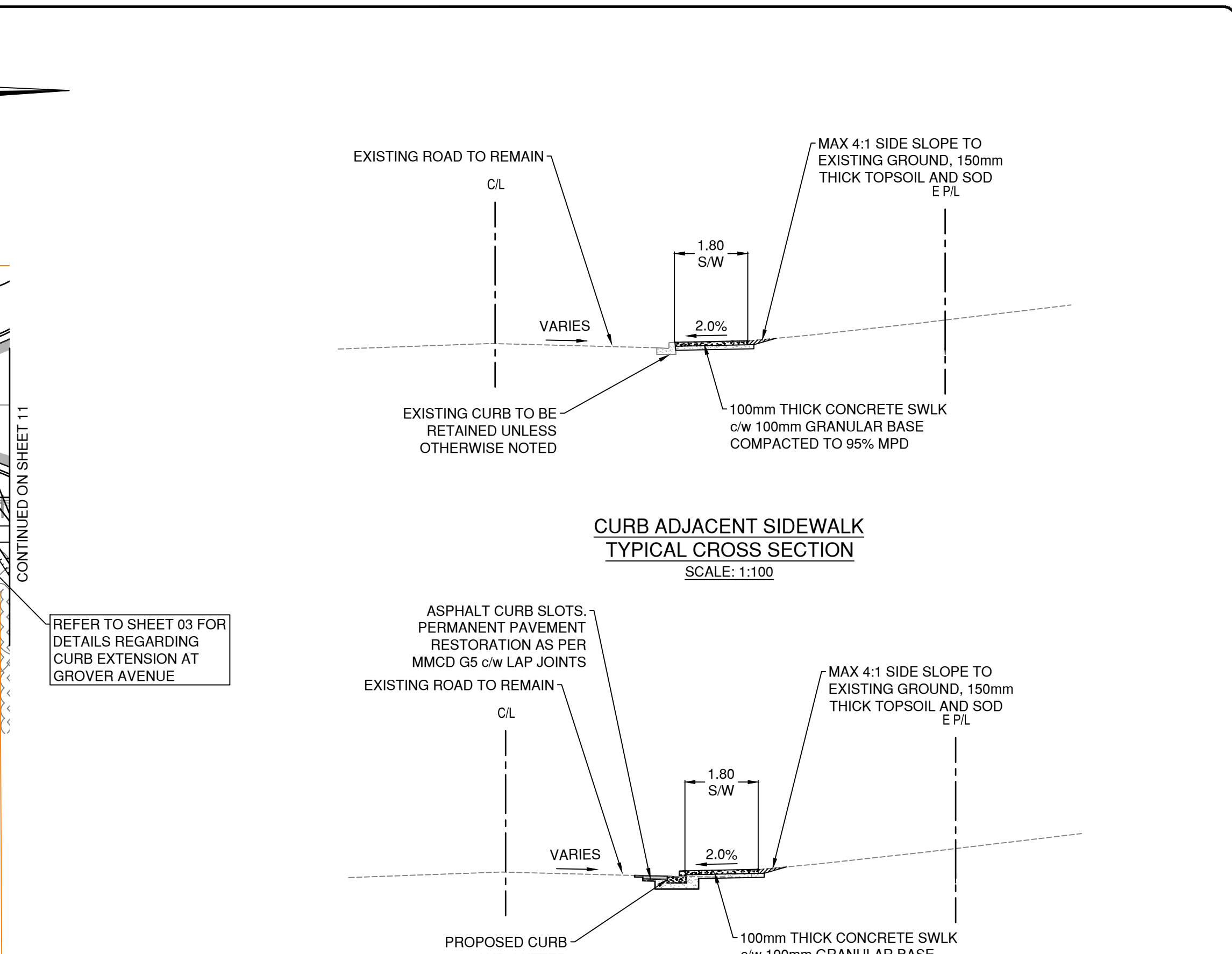


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HORIZ. VERT.

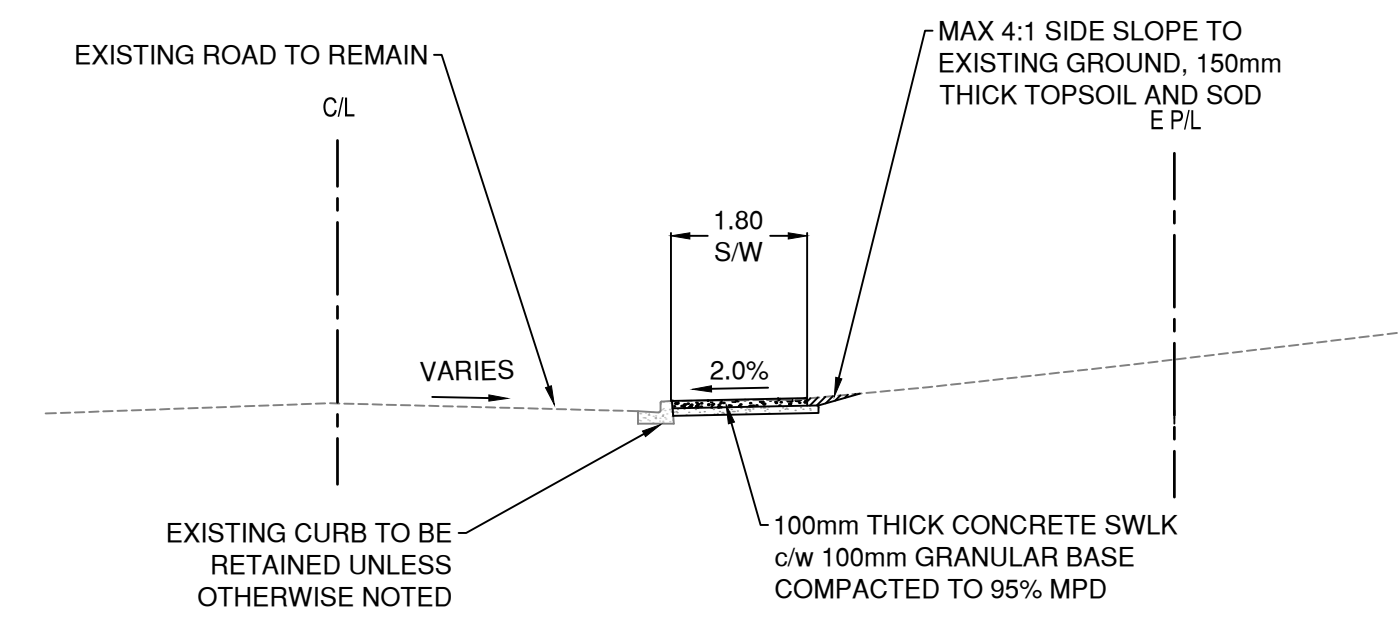
SHEET 9 OF 17

ENG PROJECT 2111-06279-00
NUMBER

PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS SCHOOLHOUSE STREET - STA. 1+470 TO STA. 1+590
File: 06116-C1-100.	



PROJECT	2024 SIDEWALK PROGRAM IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS SCHOOLHOUSE STREET - STA. 1+590 TO STA. 1+710
File: 06116-C1-100.	



ASPHALT CURB SLOTS.
PERMANENT PAVEMENT
RESTORATION AS PER
MMCD G5 c/w LAP JOINTS

EXISTING ROAD TO REMAIN

C/L

VARIES

1.80
S/W

2.0%

MAX 4:1 SIDE SLOPE TO
EXISTING GROUND. 150mm
THICK TOPSOIL AND SOD
E P/L

PROPOSED CURB
AND GUTTER

100mm THICK CONCRETE SWLK
c/w 100mm GRANULAR BASE
COMPACTED TO 95% MBD

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	BOULEVARD - 150mm TOPSOIL AND SOD

SURVEY CONTROL:

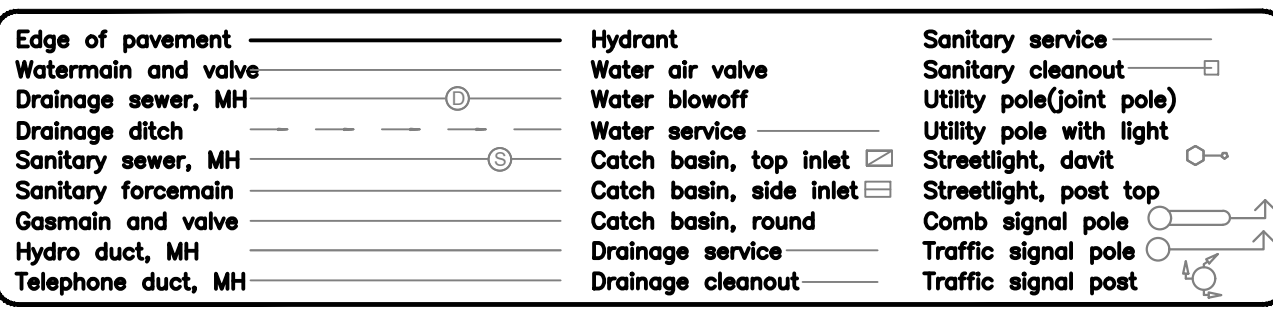
1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
2. ELEVATIONS ARE IN METRES AND ARE GEODETIC.
3. ELEVATIONS ARE DERIVED FROM CONTROL MONUMENT 73H4041, LOCATED AT THE INTERSECTION OF FOSTER AVENUE AND SCHOOLHOUSE STREET. ELEVATION = 153.068m
4. TO CONVERT TO NAD83 U.T.M. COORDINATES:

FIRST APPLY THE FOLLOWING SHIFT

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E 507,695.698

THEN APPLY THE SCALE FACTOR 0.9996 BASED ABOUT POINT OF ORIGIN GCM 73H4041

N 5,455,038.390
E 510,756.068

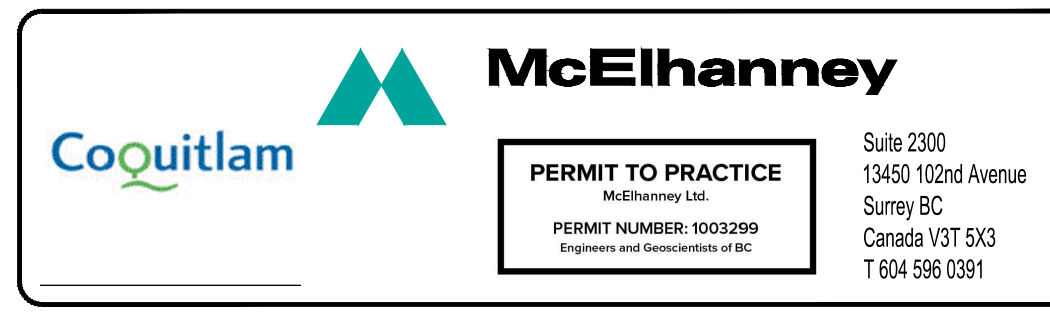


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Approved Sealed

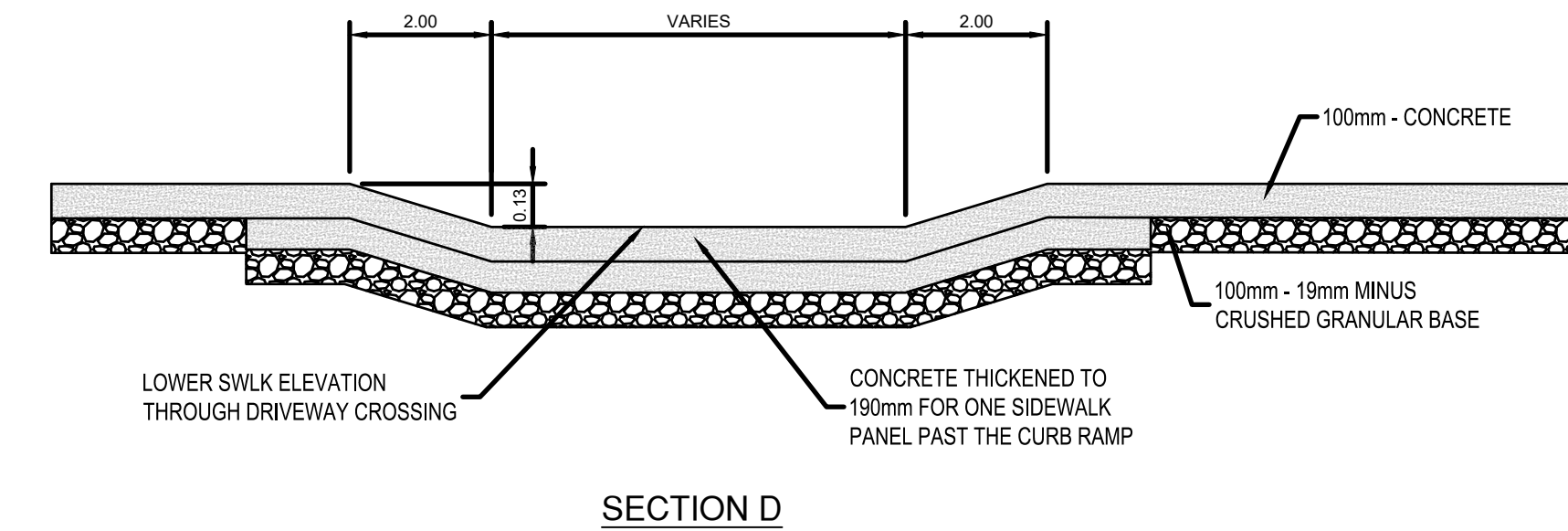
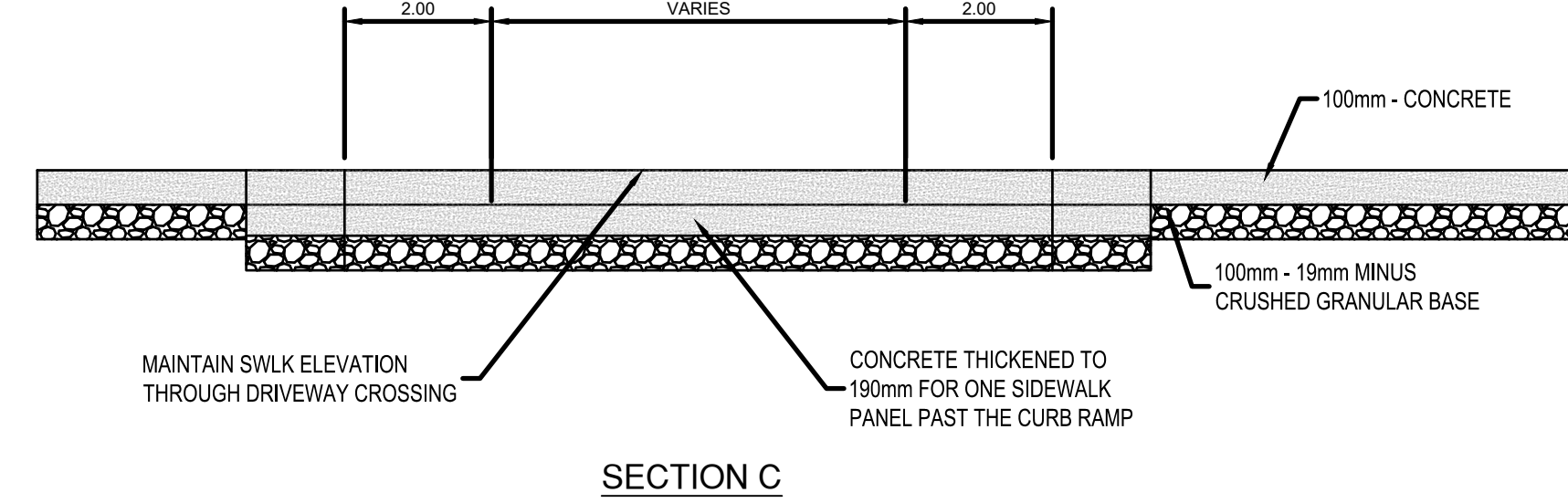
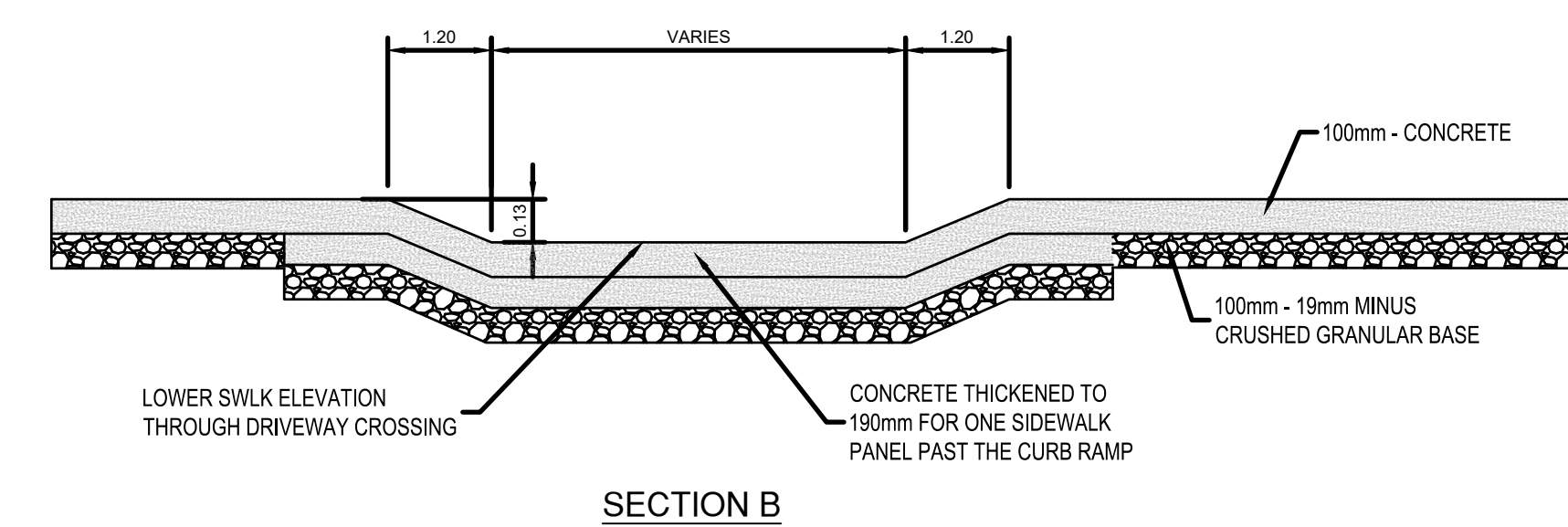
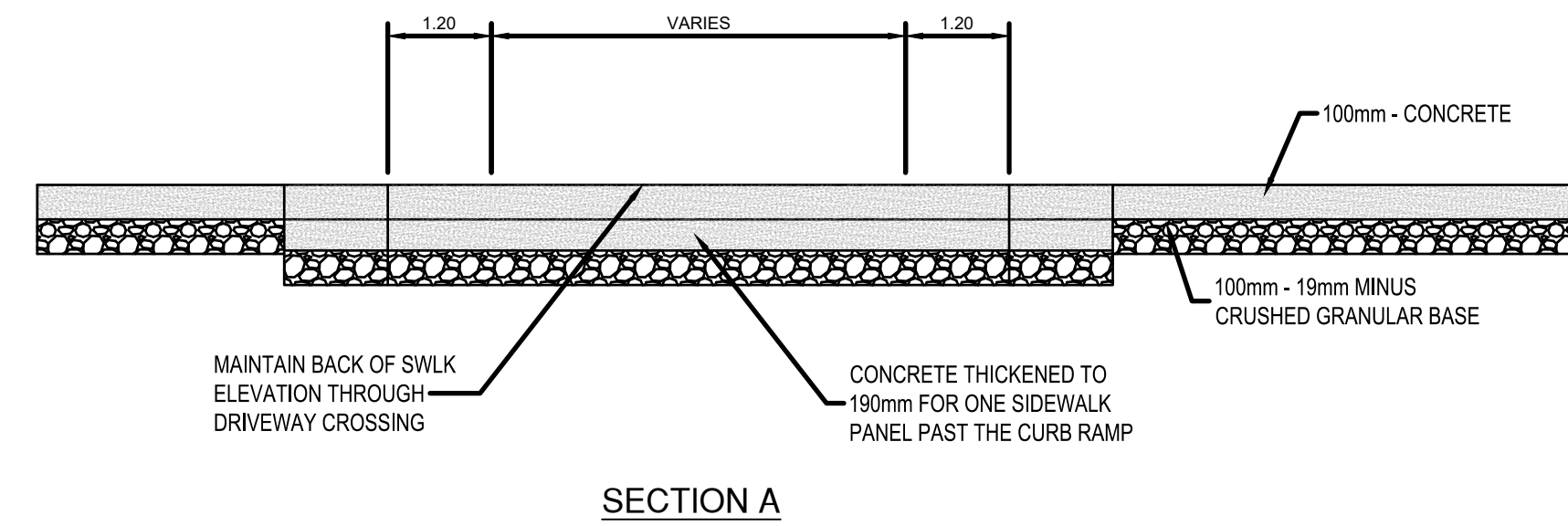
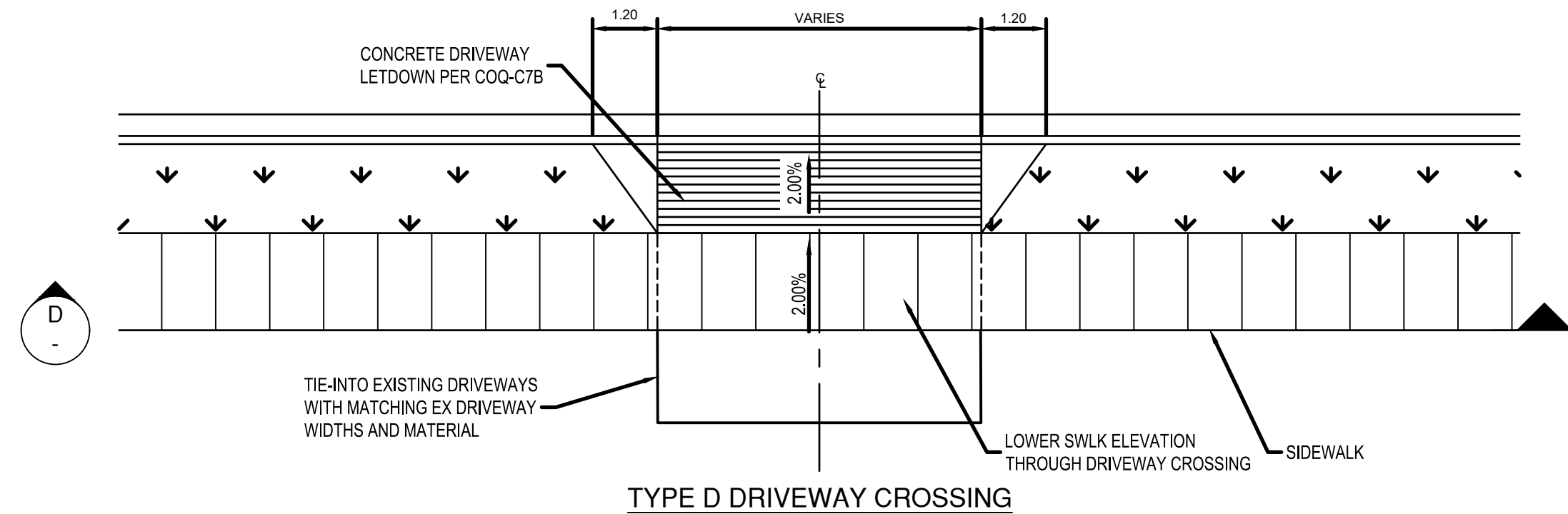
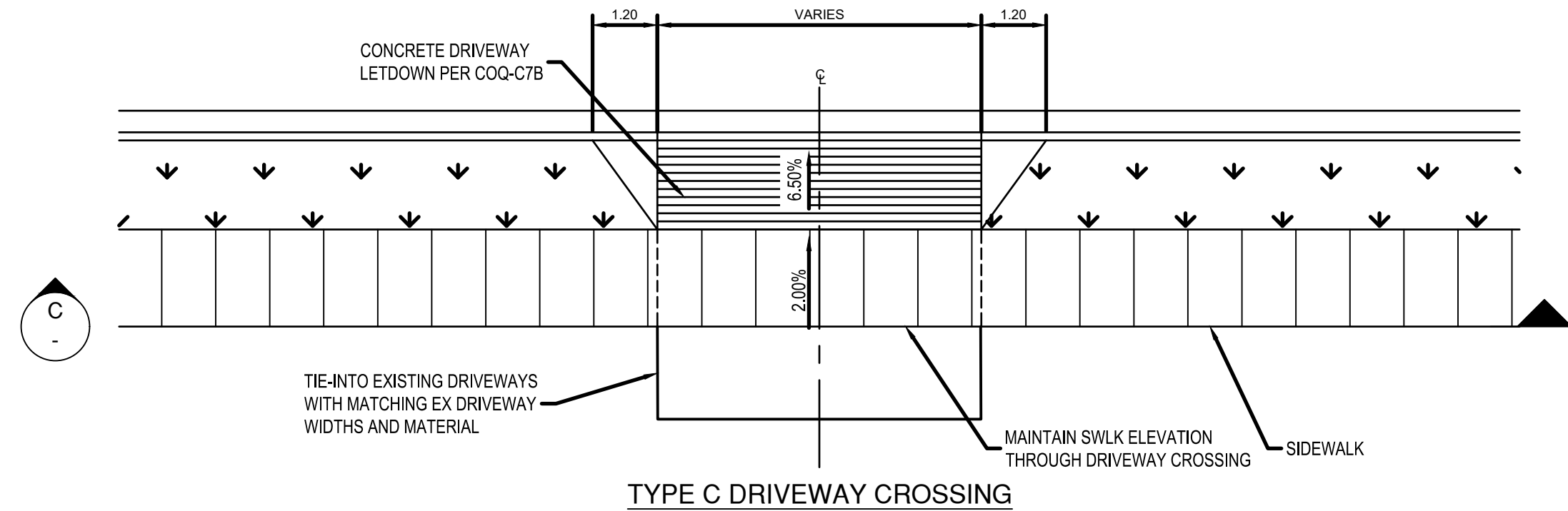
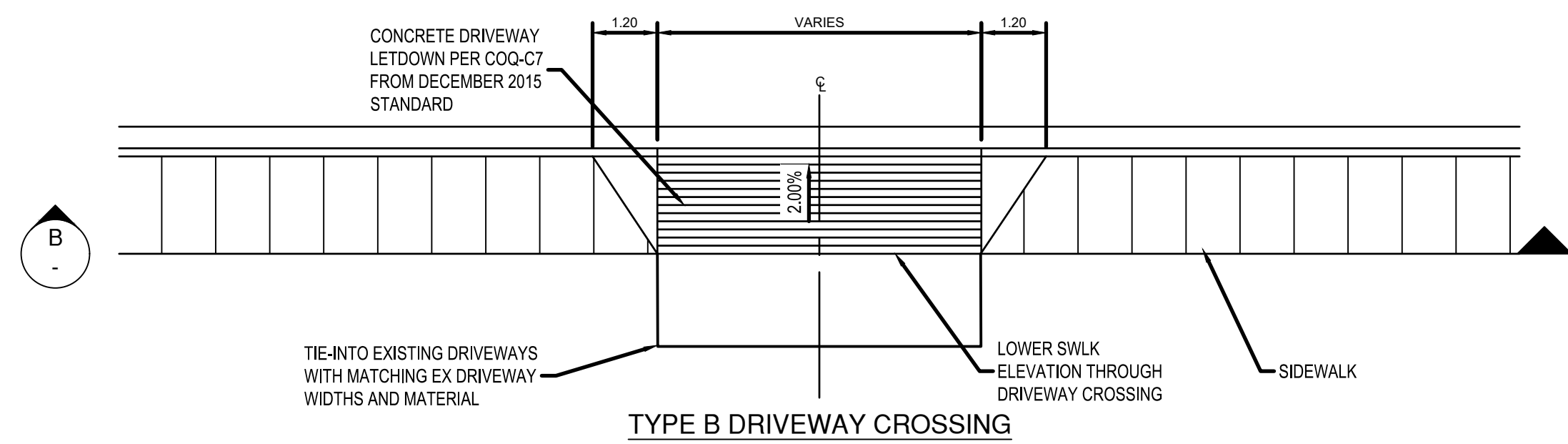
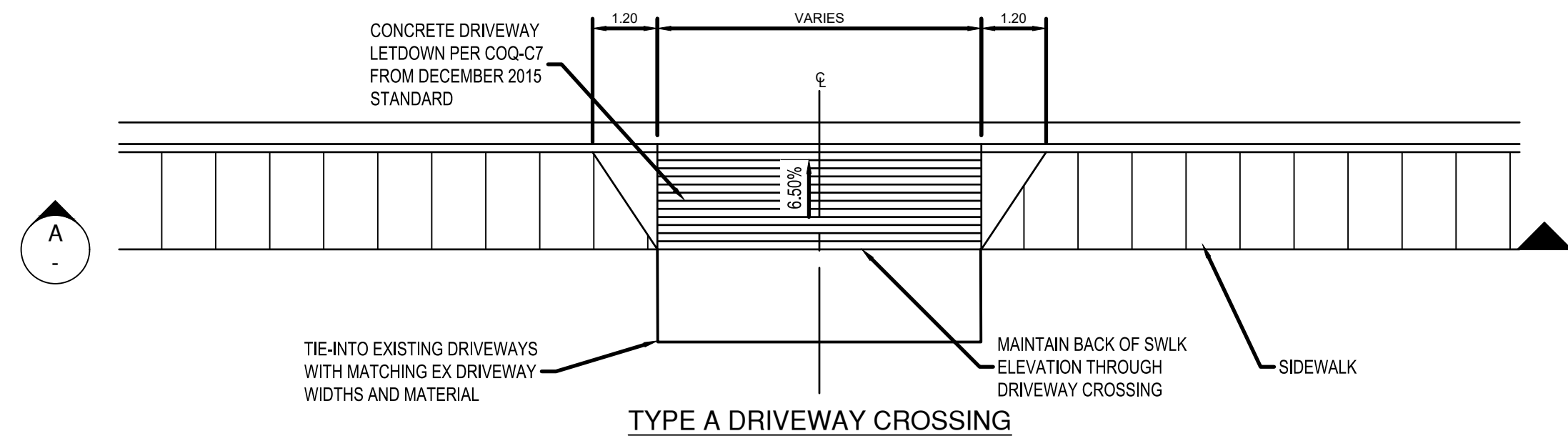
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SCALE 1:250 SCALE 1:25
HORIZ. VERT.
SHEET 11 OF 17
ENG PROJECT 2111-06279-00
NUMBER

PROJECT	2024 SIDEWALK PROGRAM IVY AVE., GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS SCHOOLHOUSE STREET - STA. 1+710 TO STA. 1+811
File: 06115-C1-100	



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Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top
Gasmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

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NO.	DATE	BY	REVISIONS	ENG.
C	2024.03.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

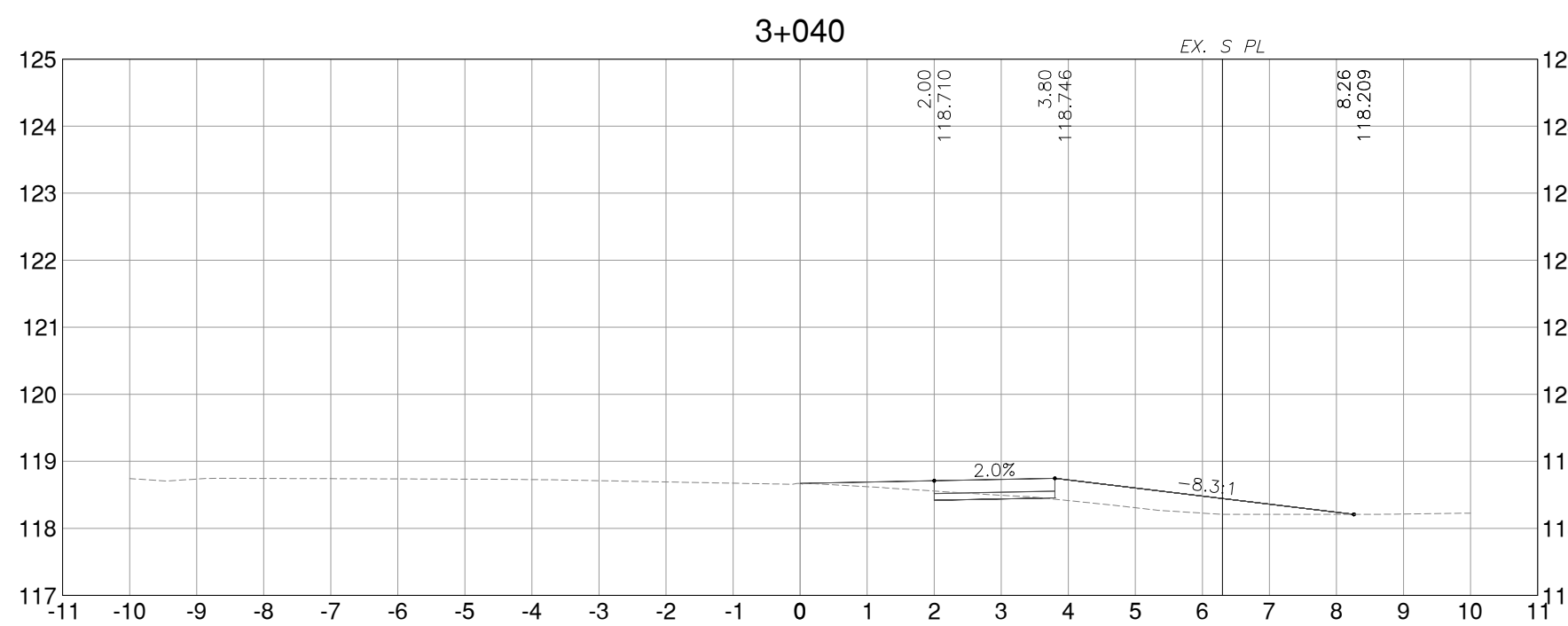
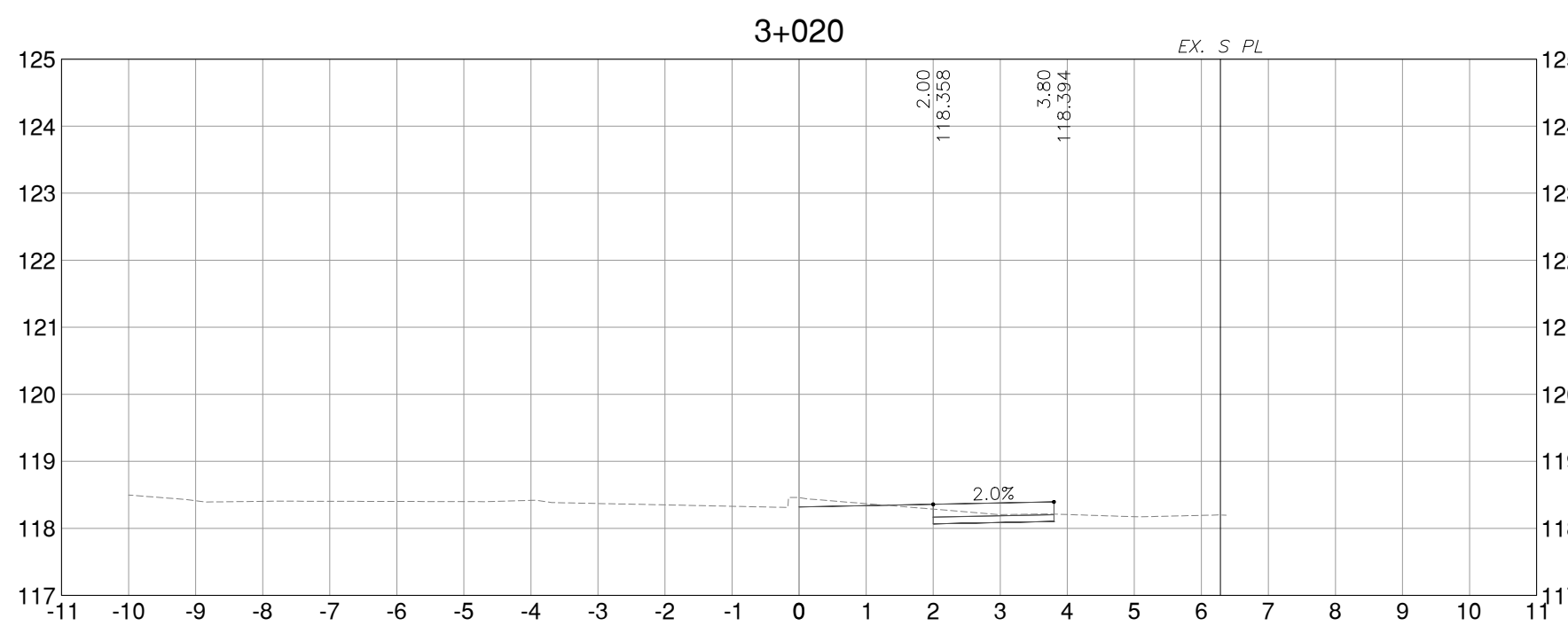
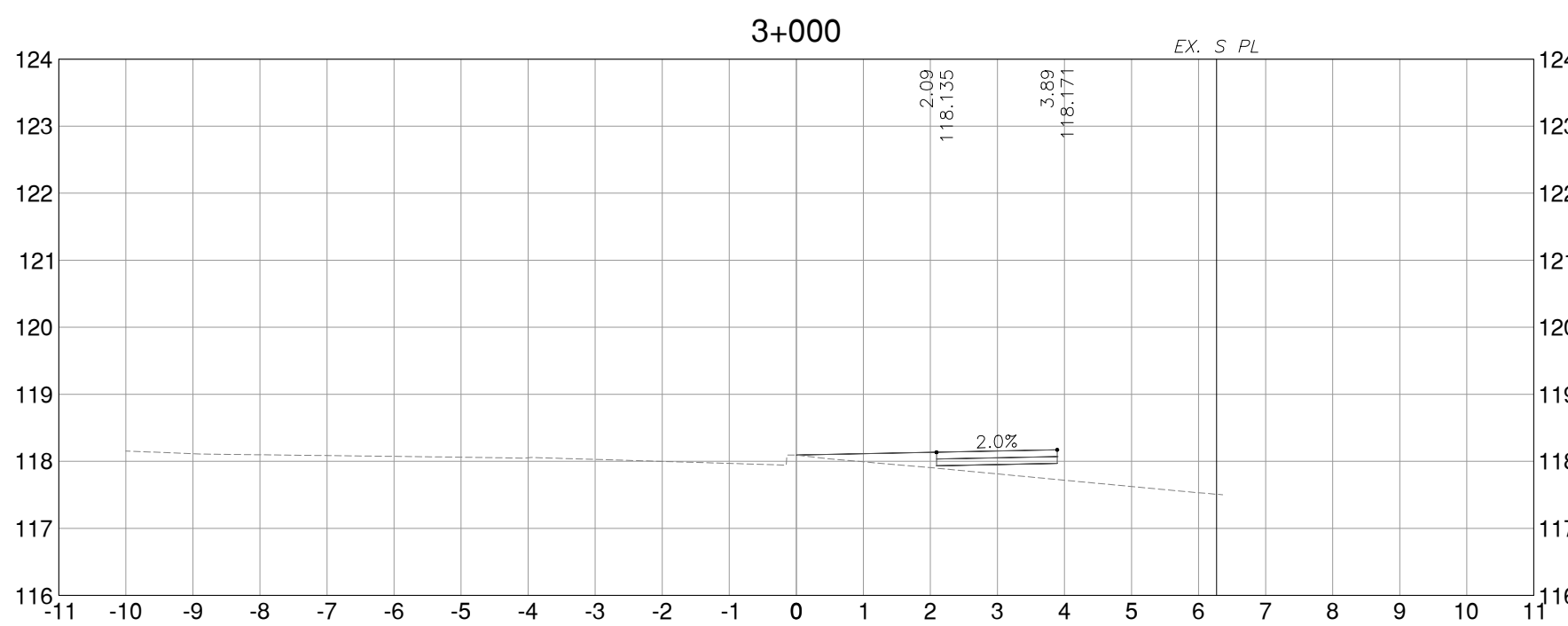
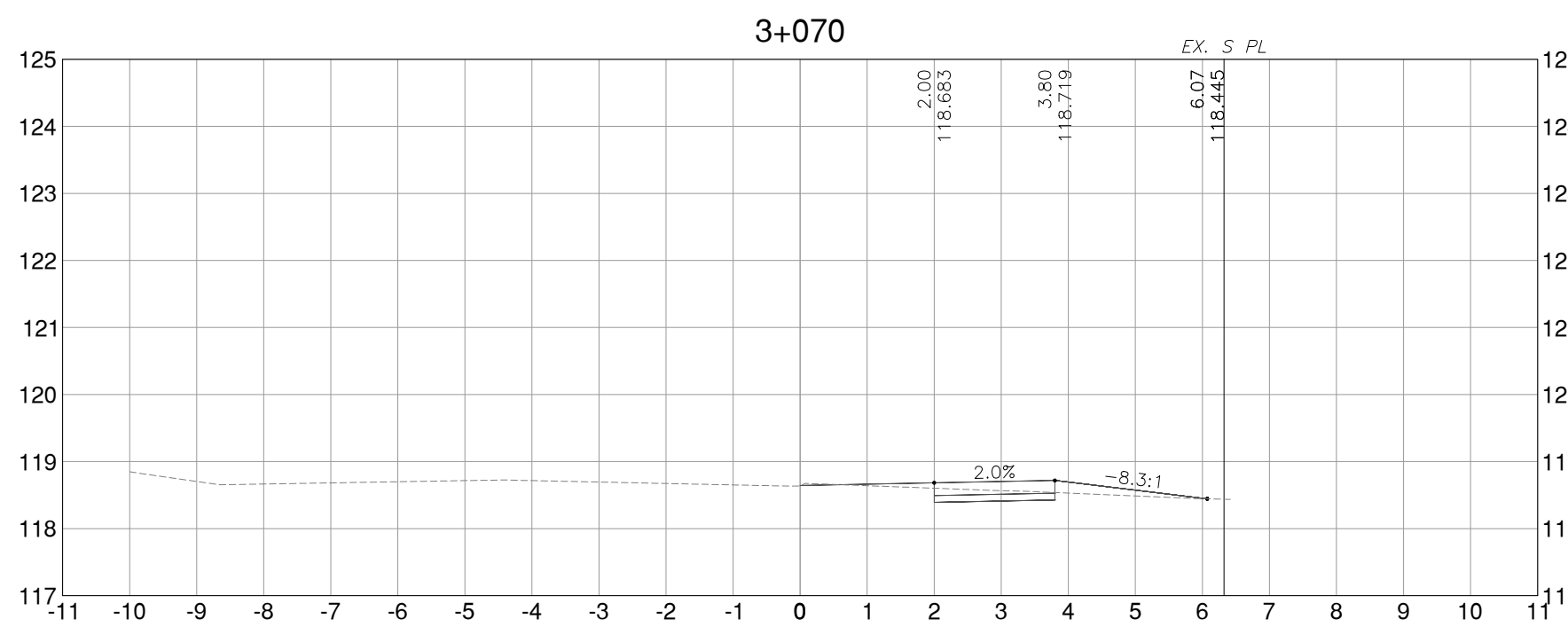
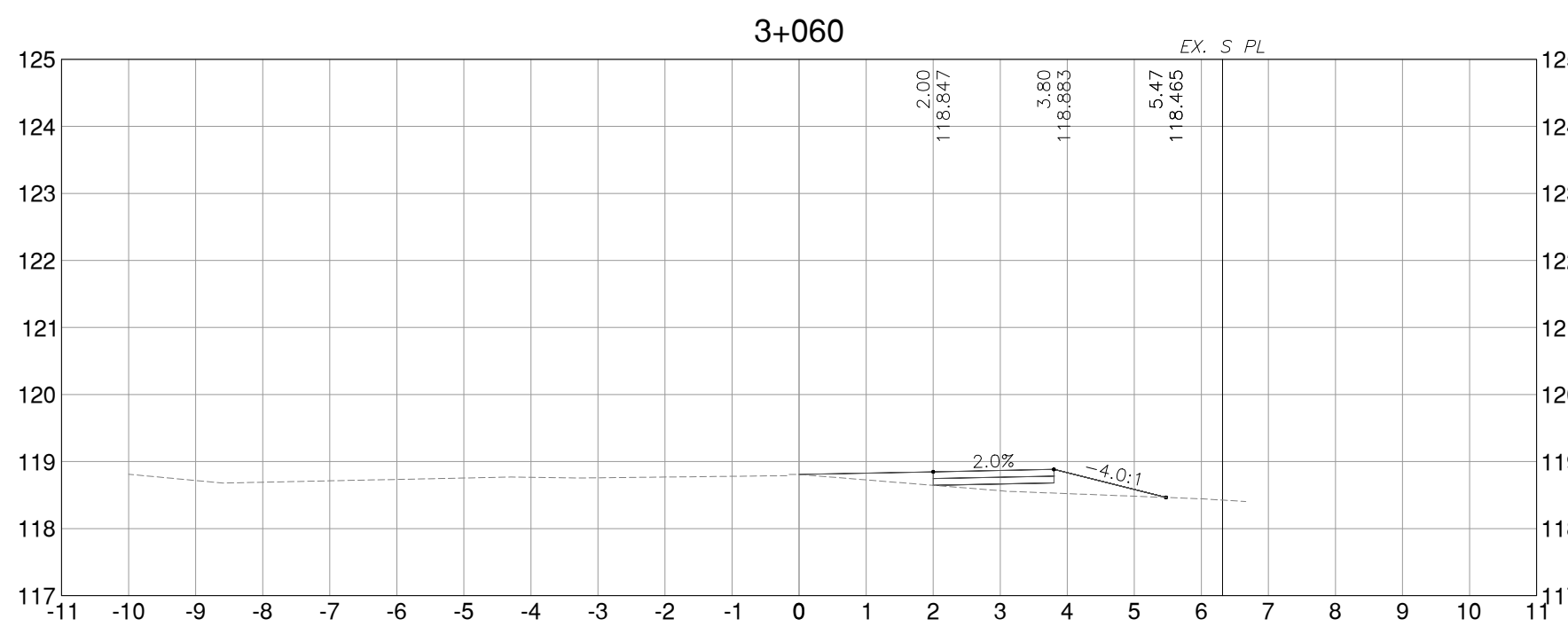
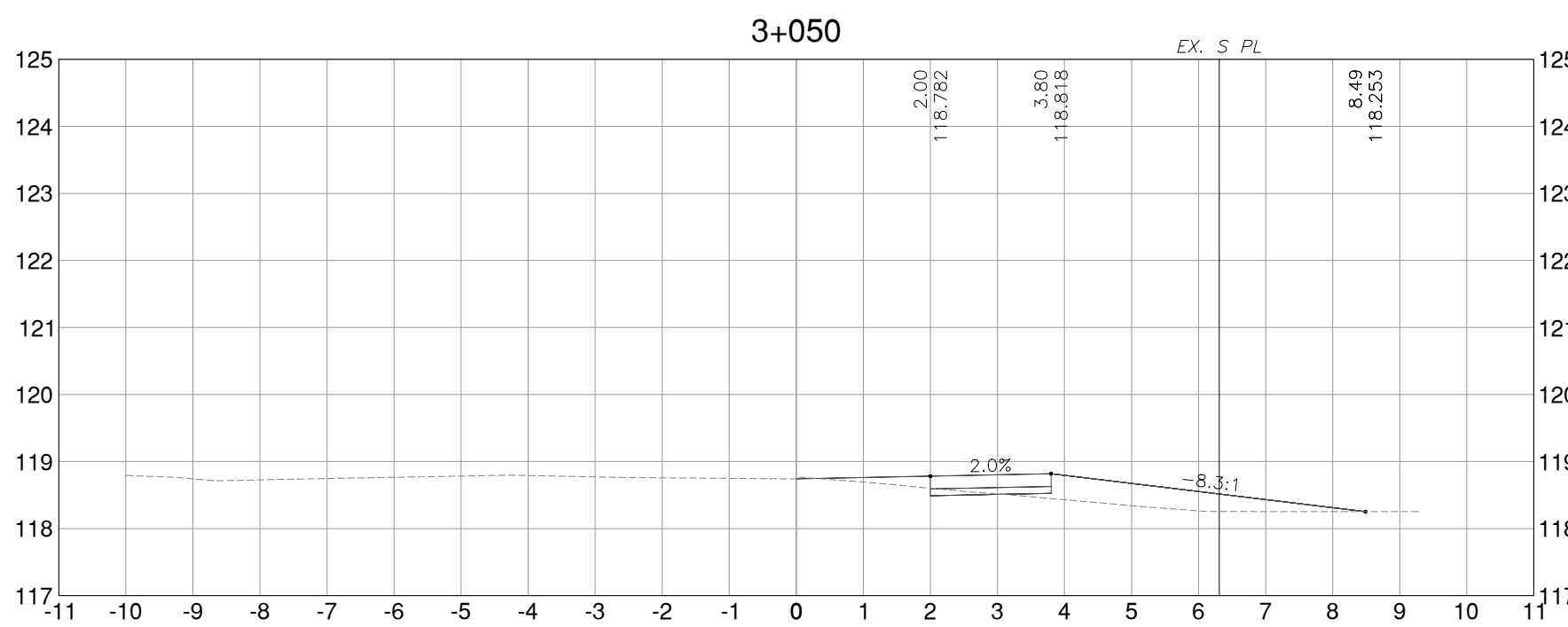
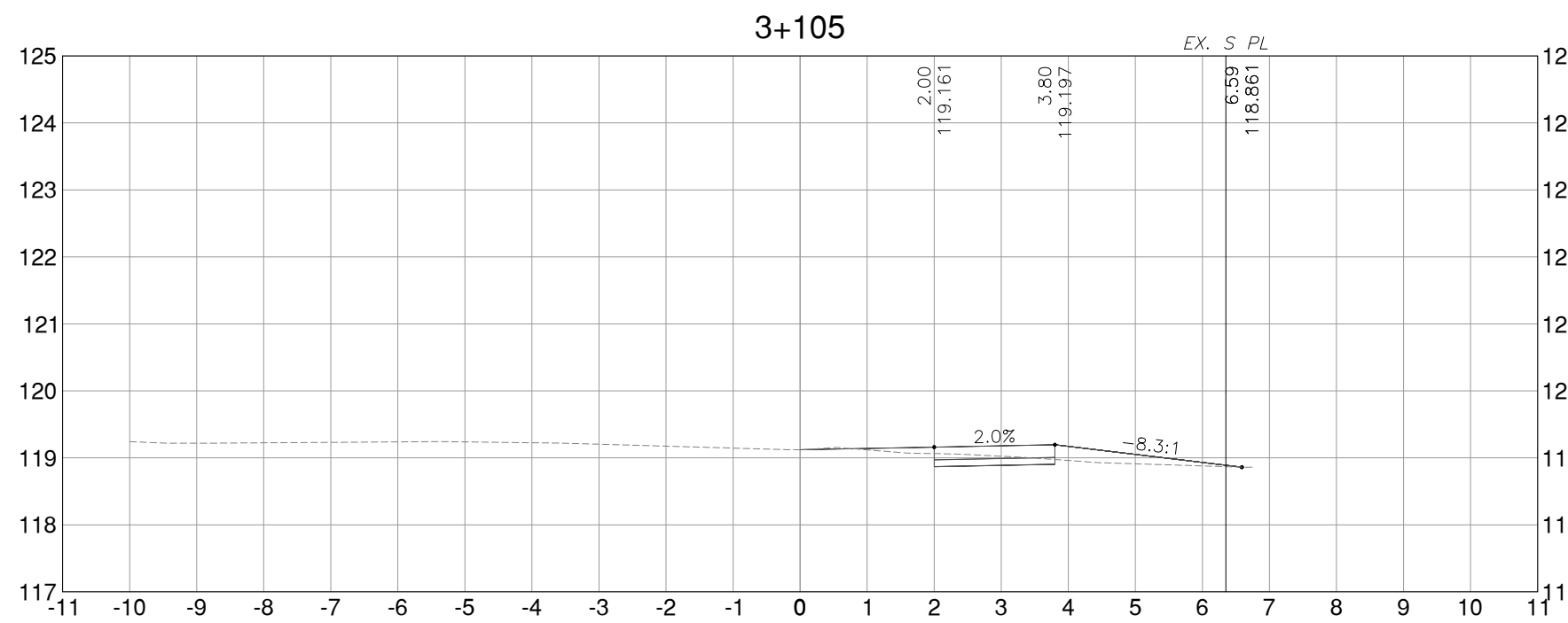
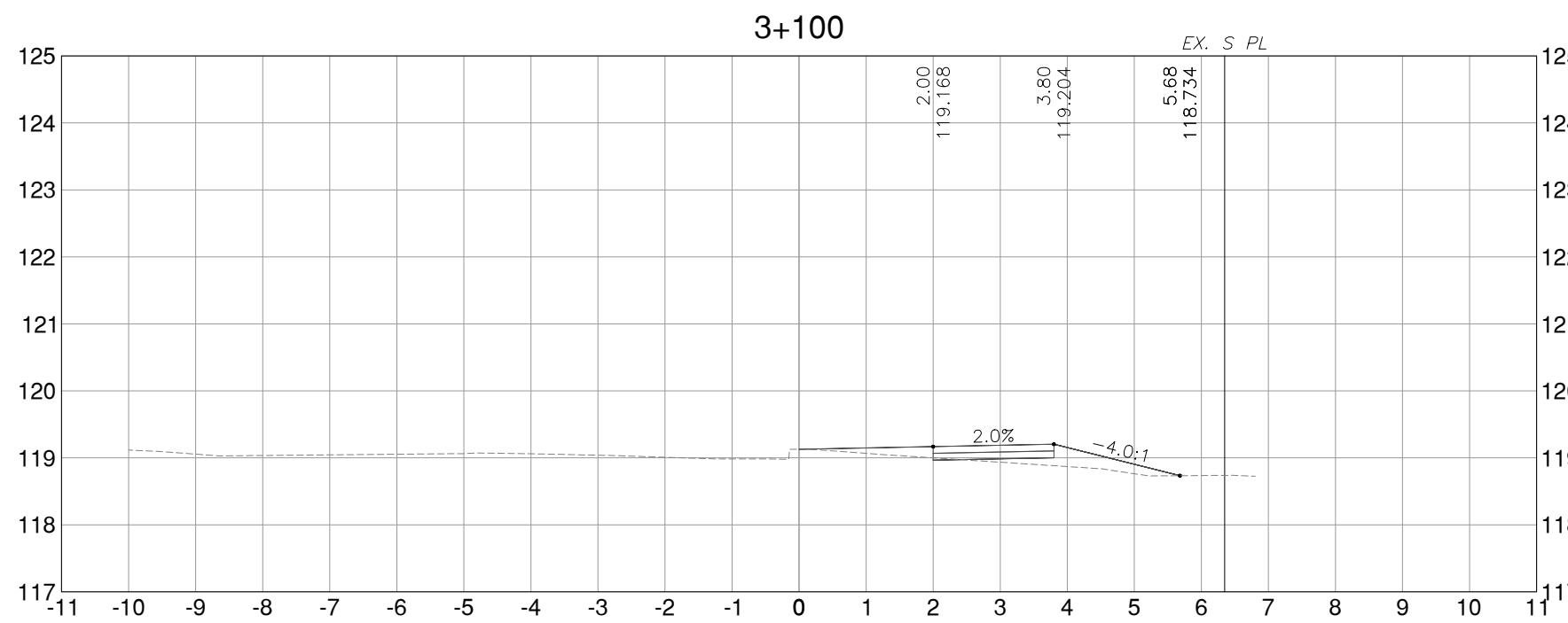
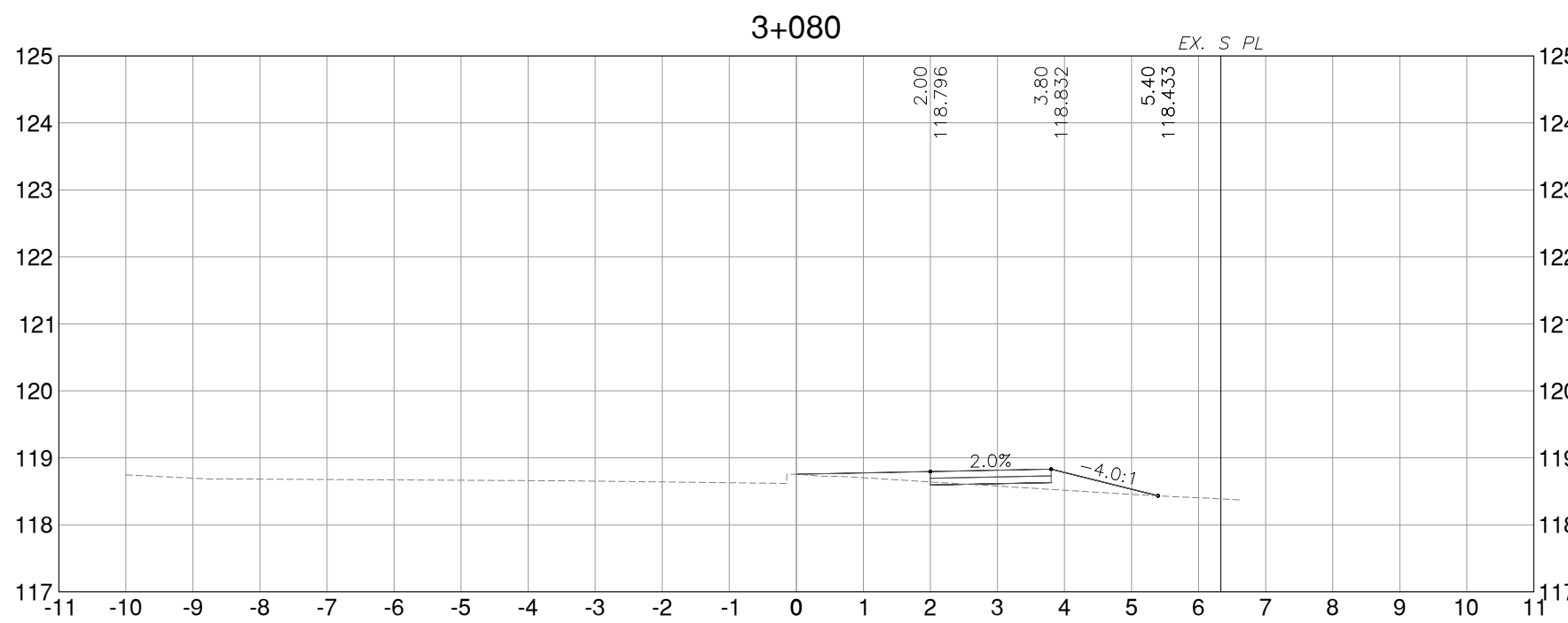
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DRAWN BY	DATE
MMW	OCTOBER 27, 2023
CHECKED BY	DATE
MH	OCTOBER 27, 2023
APPROVED BY	DATE
AG	OCTOBER 27, 2023

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PERMIT TO PRACTICE
McElhanney Ltd.
PERMIT NUMBER: 1003299
Engineers and Geoscientists of BC

SCALE	SCALE
HORIZ.	VERT.
SHEET	12 OF 17
ENG PROJECT	2111-06279-00
NUMBER	

PROJECT	2024 SIDEWALK PROGRAM
	IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION	ROADWORKS
	DRIVEWAY CROSSING DETAILS
File:	06279-C0-900



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Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top
Gosmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

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PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

DESIGN BY	DATE
HL	October 27, 2023
DRAWN BY	DATE
MMW	October 27, 2023
CHECKED BY	DATE
MH	October 27, 2023
APPROVED BY	DATE
AG	October 27, 2023

Coquitlam

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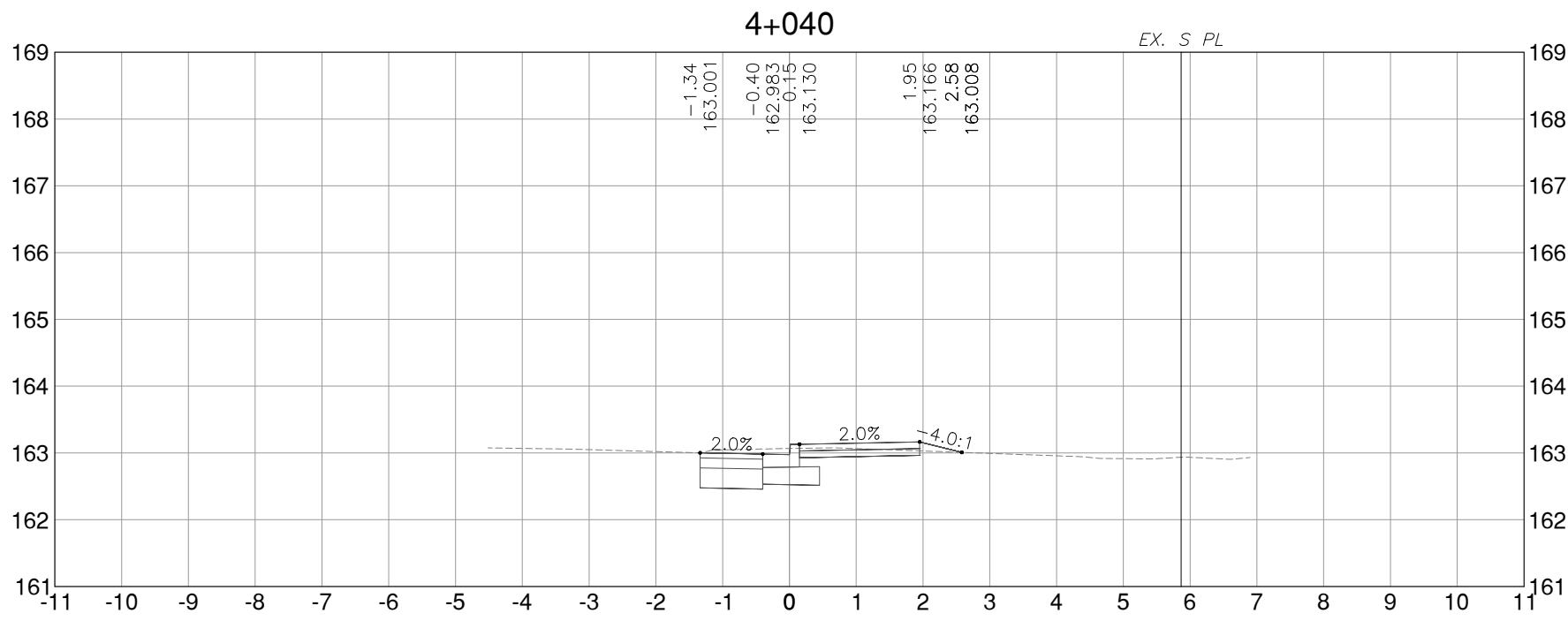
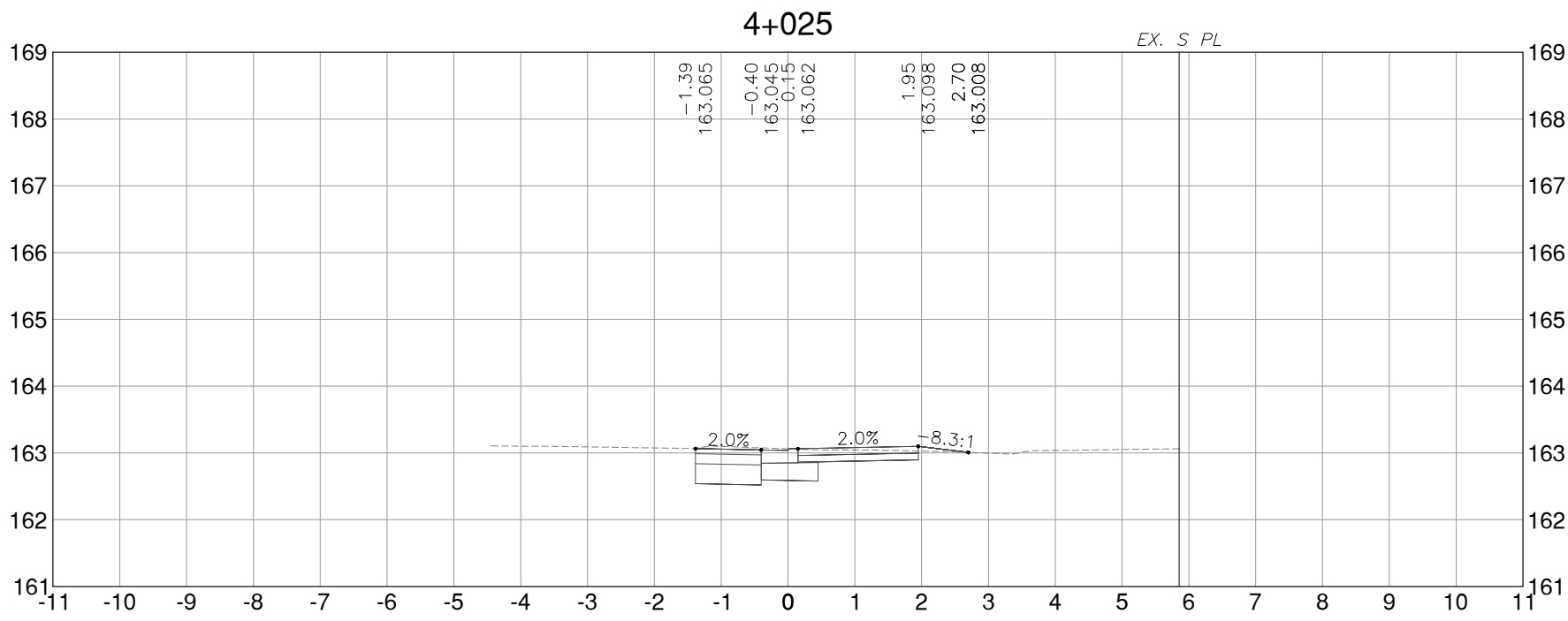
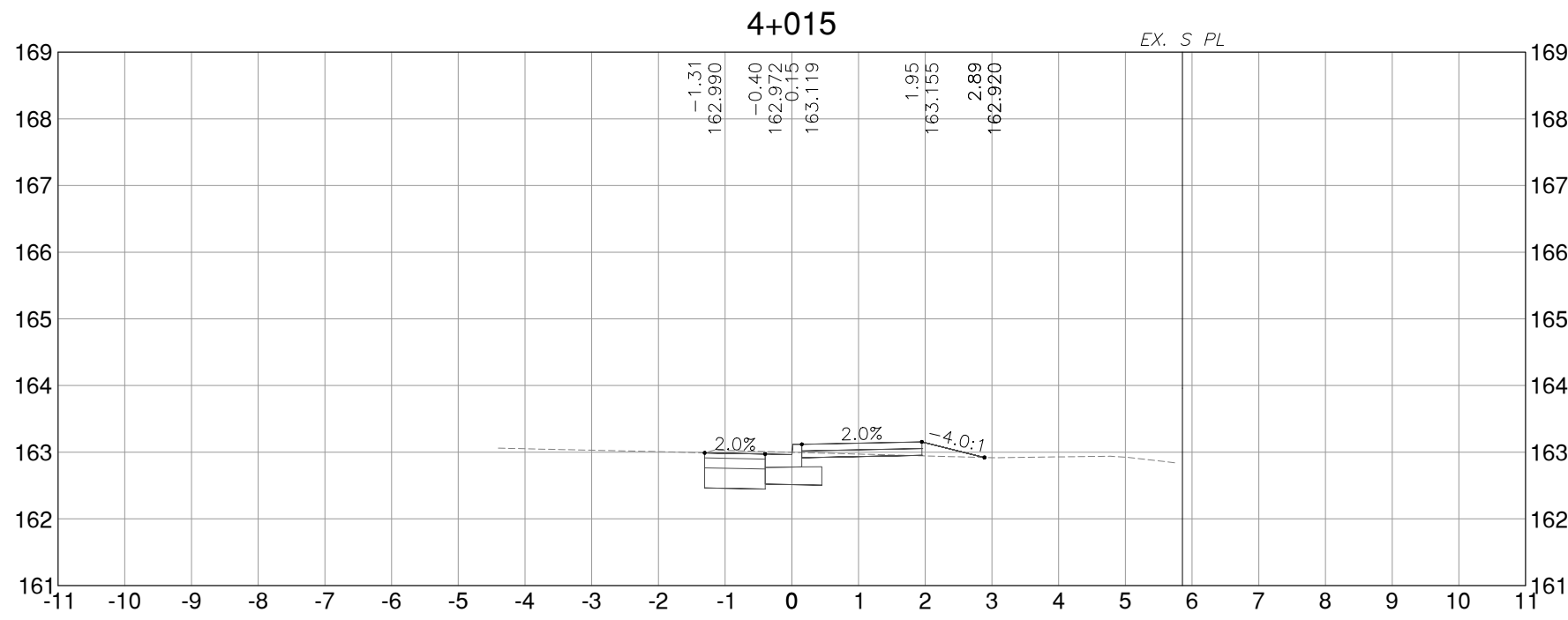
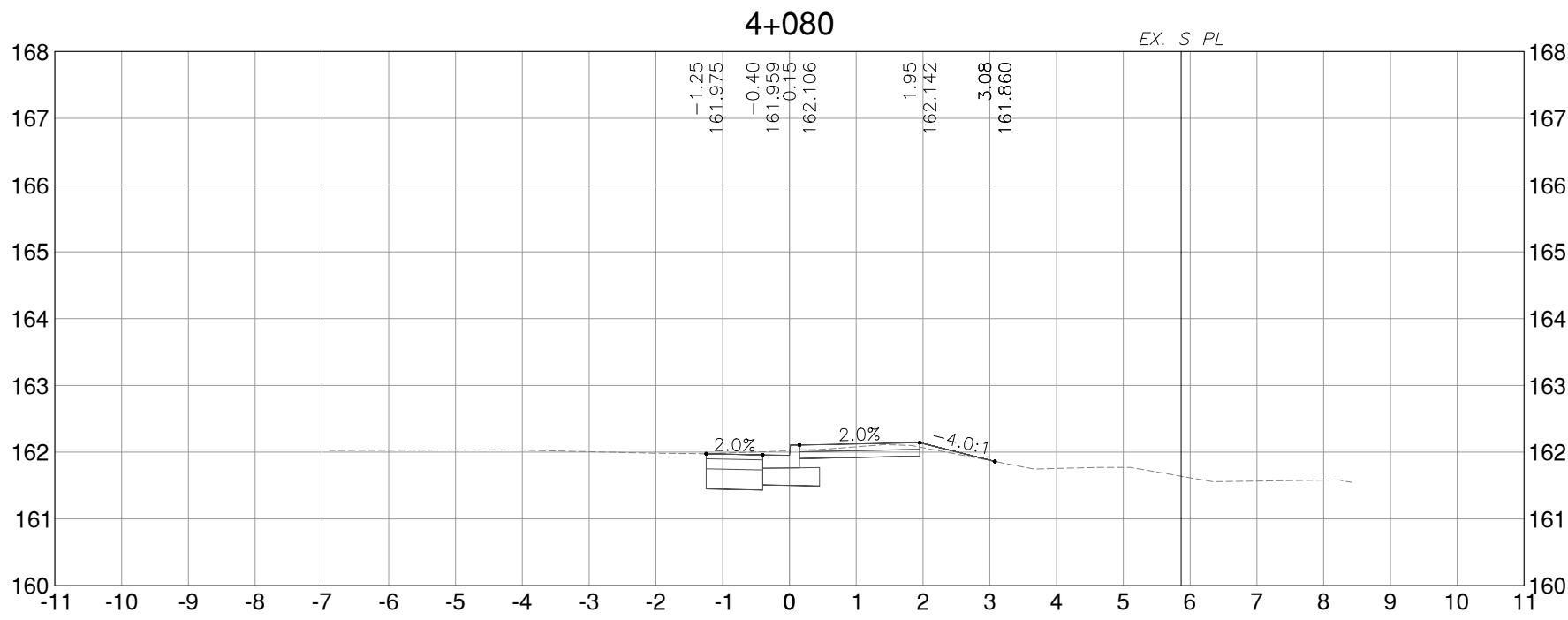
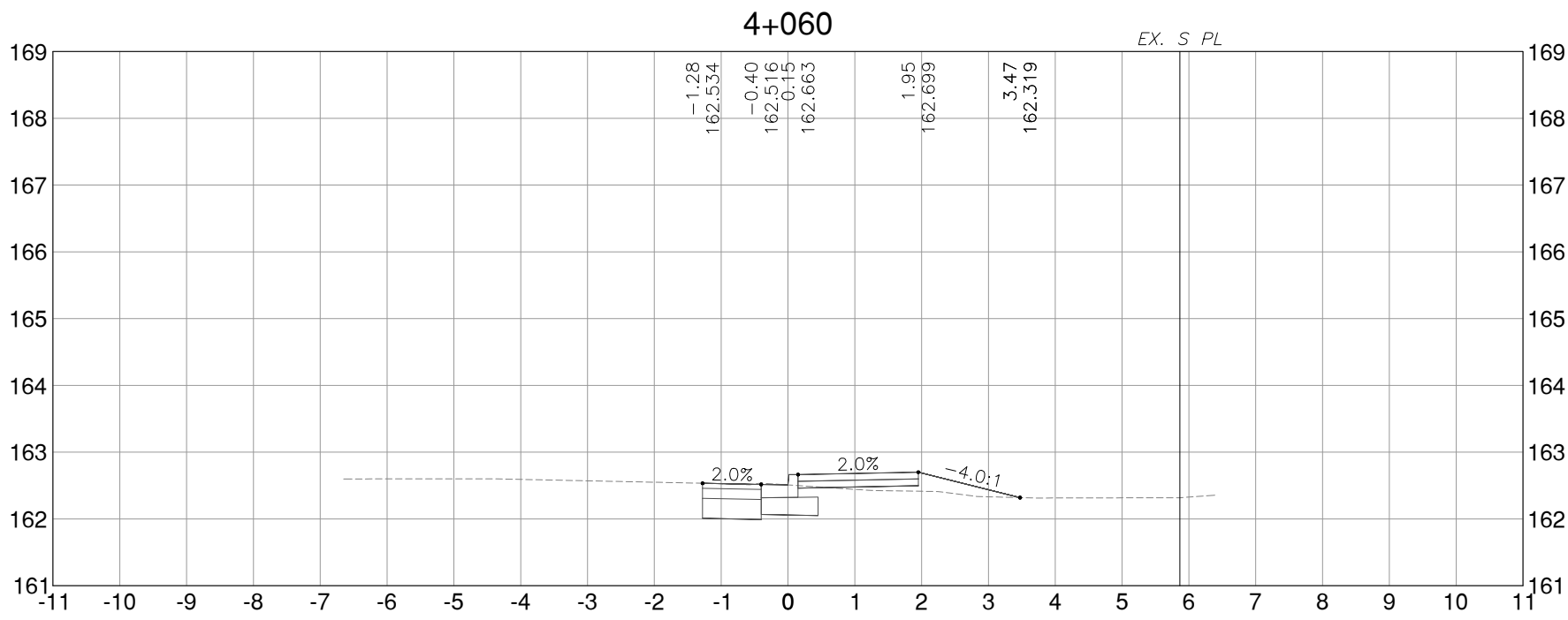
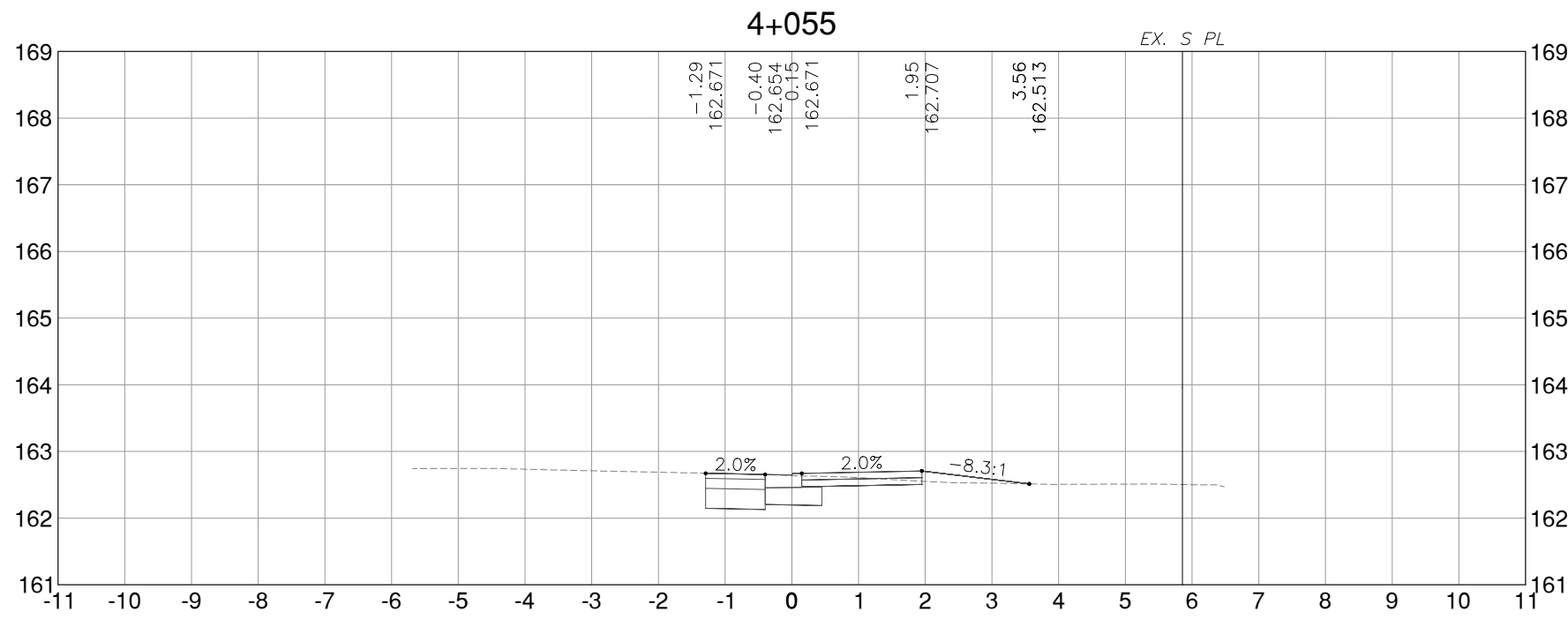
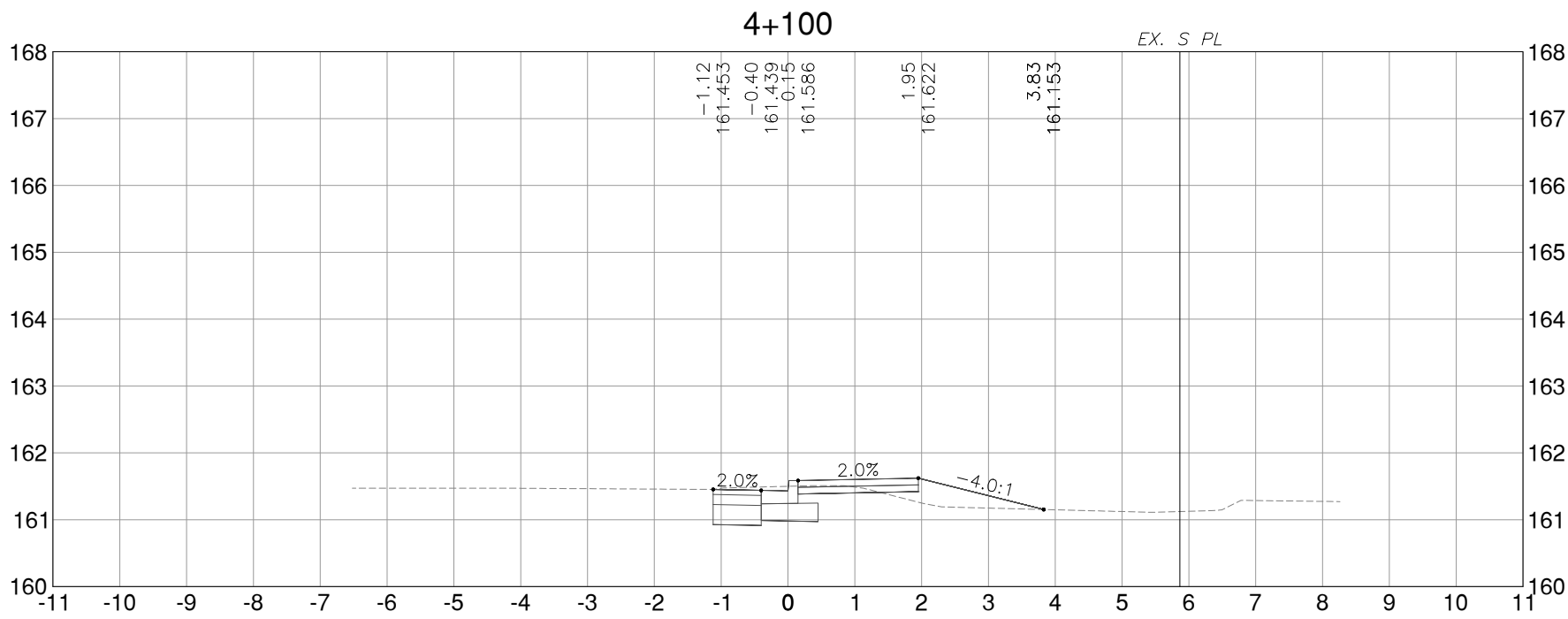
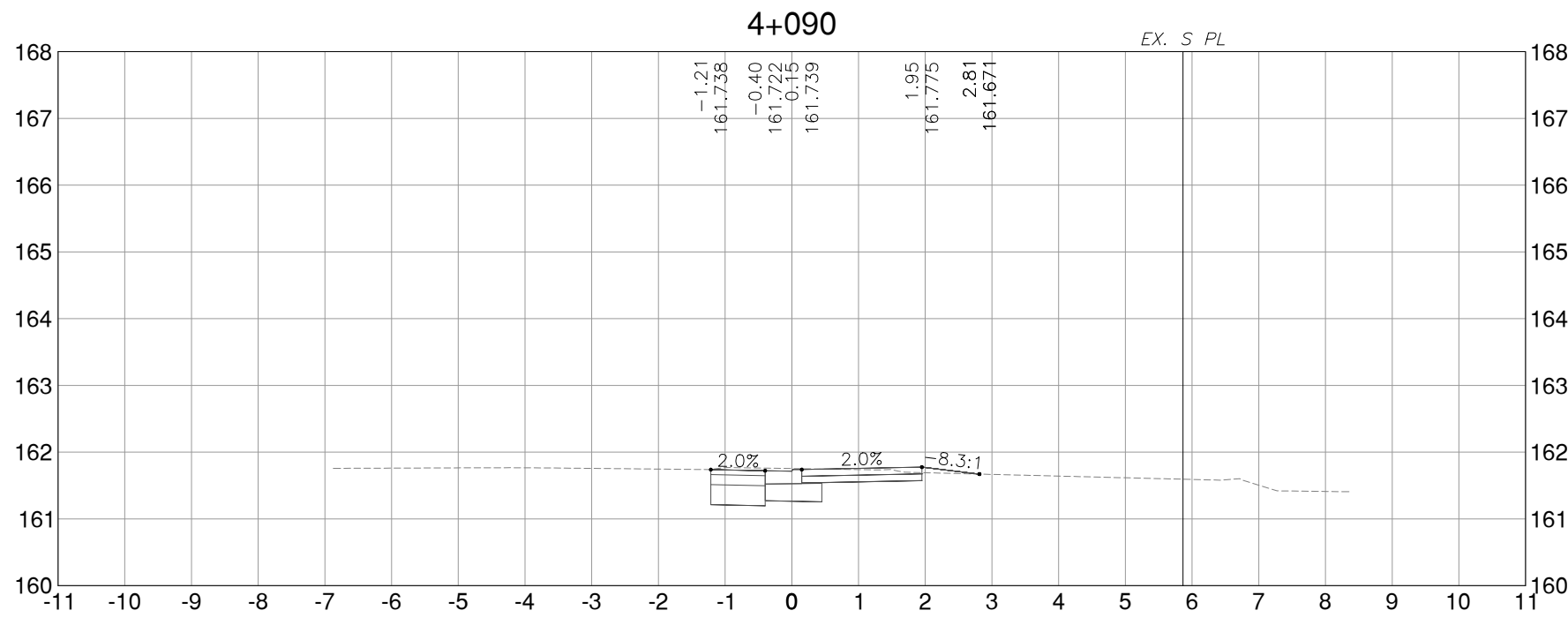
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SCALE 1:100
HORIZ. SCALE 1:100
SHEET 13 OF 17
ENG PROJECT NUMBER 2111-06279-00

PROJECT 2024 SIDEWALK PROGRAM
IVY AVE, GROVER AVE & SCHOOLHOUSE ST
DESCRIPTION CROSS SECTIONS
IVY AVE - STA. 3+000 TO STA. 3+105
File: 06279-C3-200

DATE: 2024-03-22, 16:35 FILE: \\X2111111106279-00 CoCoQ 2024 Civil Extension and Sidewalk07 DRAWING\$01_Sheet06279-C4-200.rwg



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Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary foreman	Catch basin, side inlet	Streetlight, post top
Gasmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

Approved Sealed

NO.	DATE	BY	REVISIONS	ENG.
C	2024.02.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

DESIGN BY	DATE
HL	OCTOBER 27, 2023
DRAWN BY	DATE
MMJ	OCTOBER 27, 2023
CHECKED BY	DATE
AG	OCTOBER 27, 2023
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AG	OCTOBER 27, 2023

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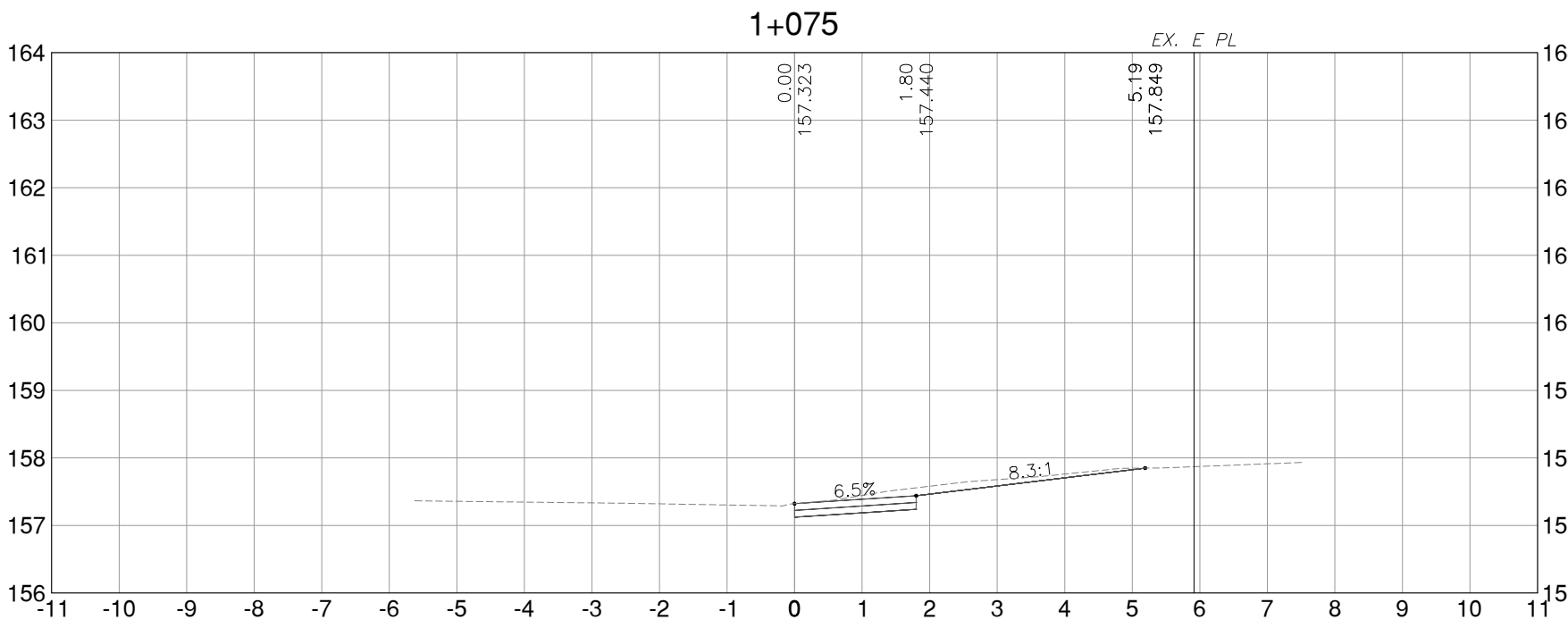
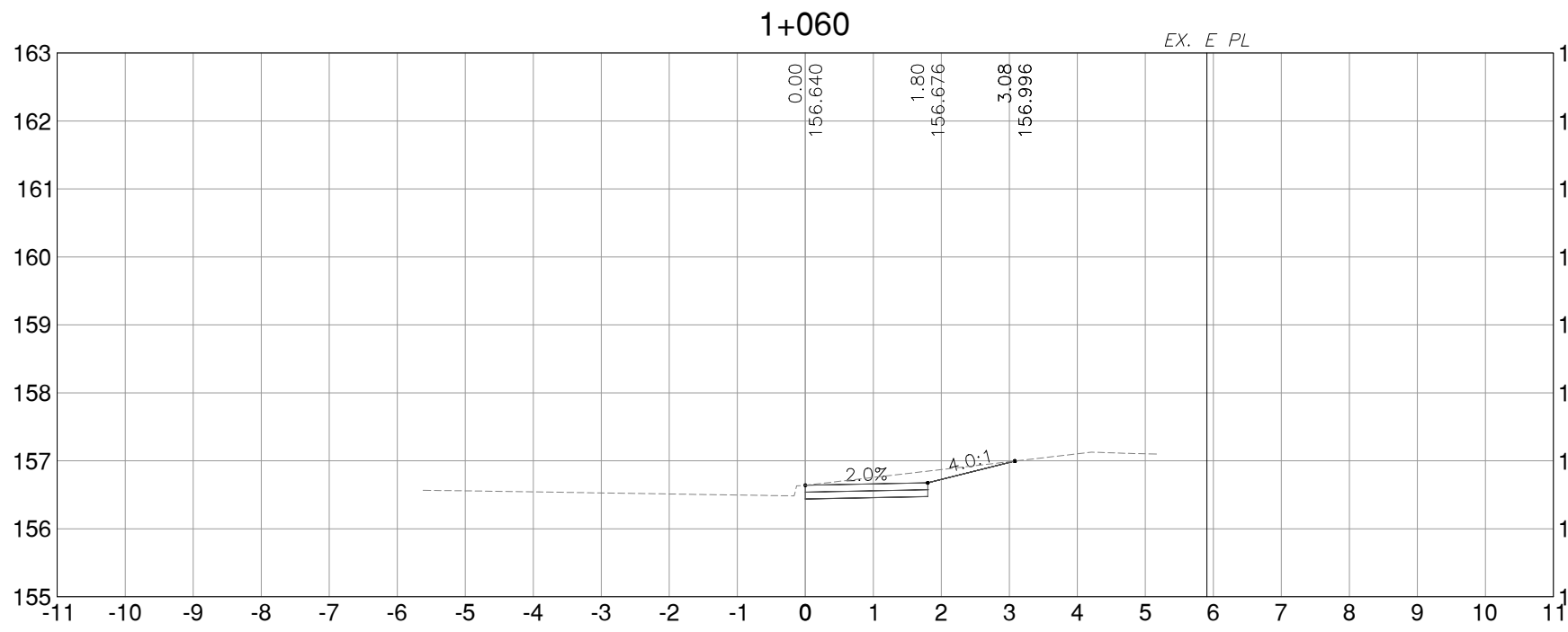
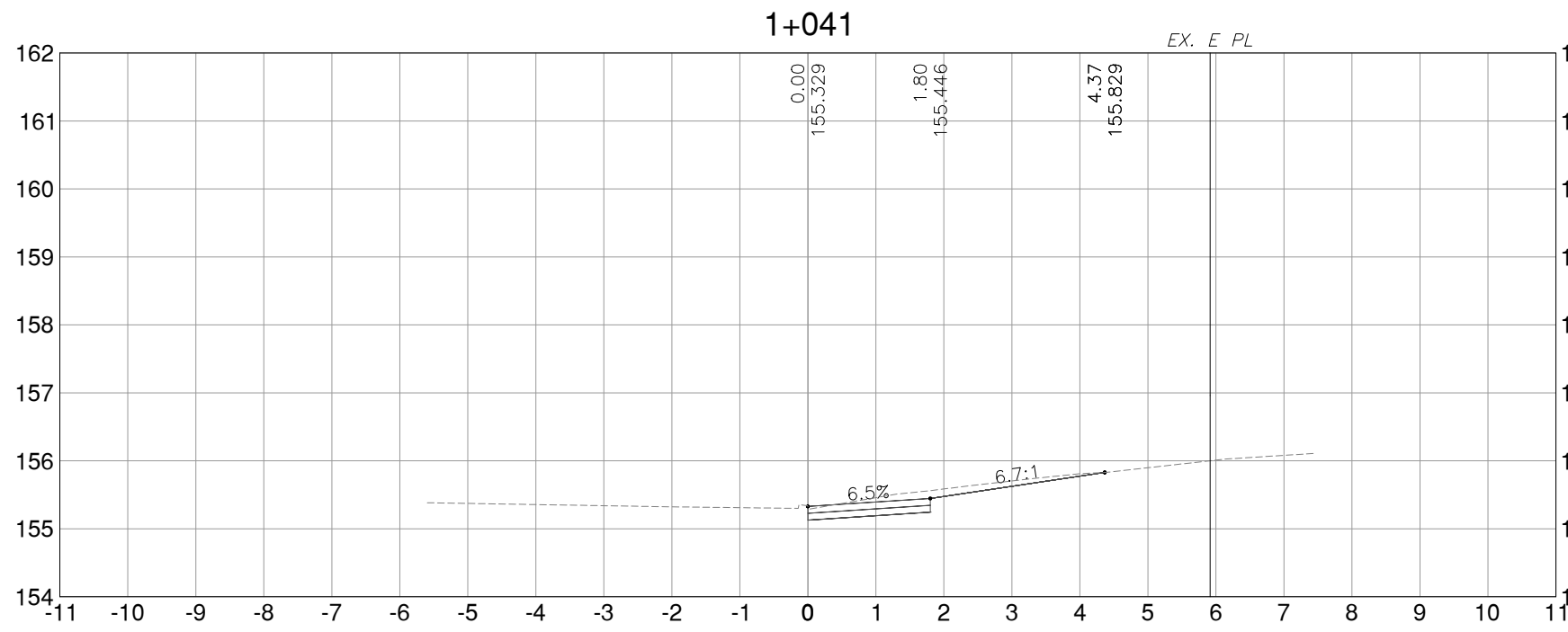
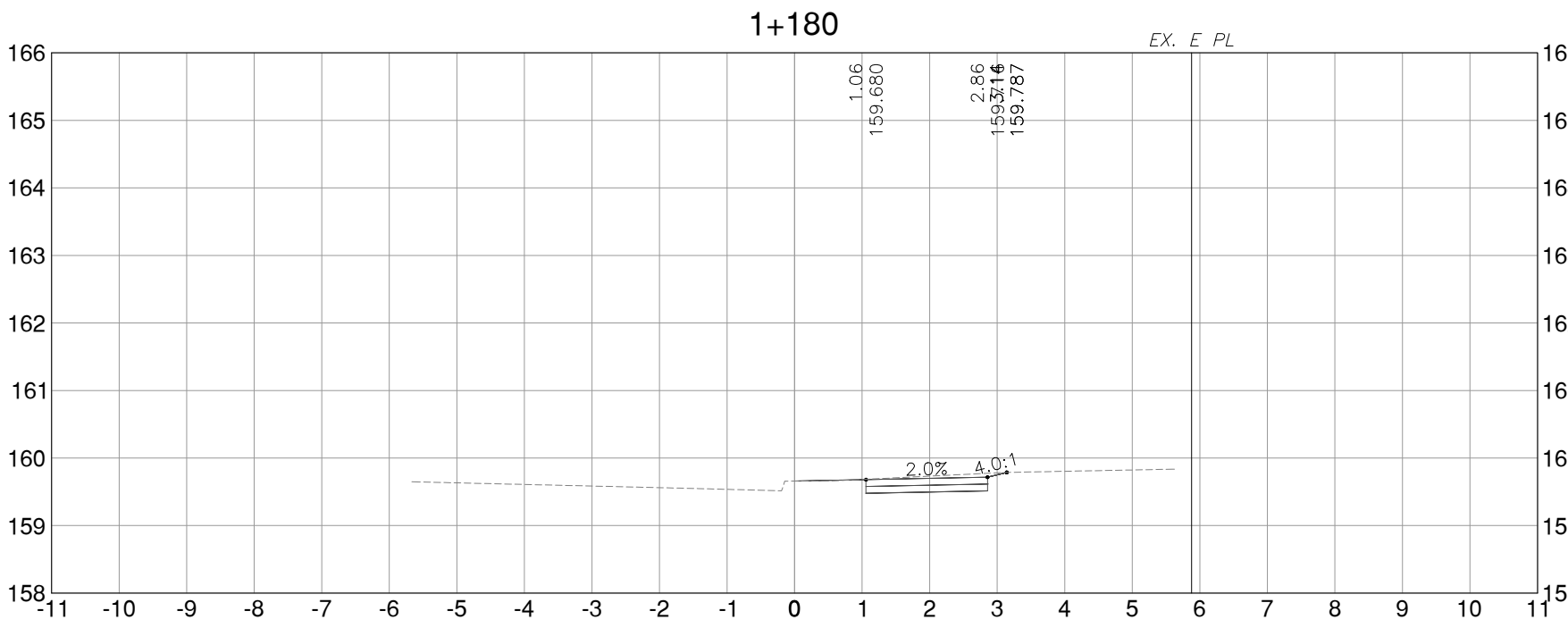
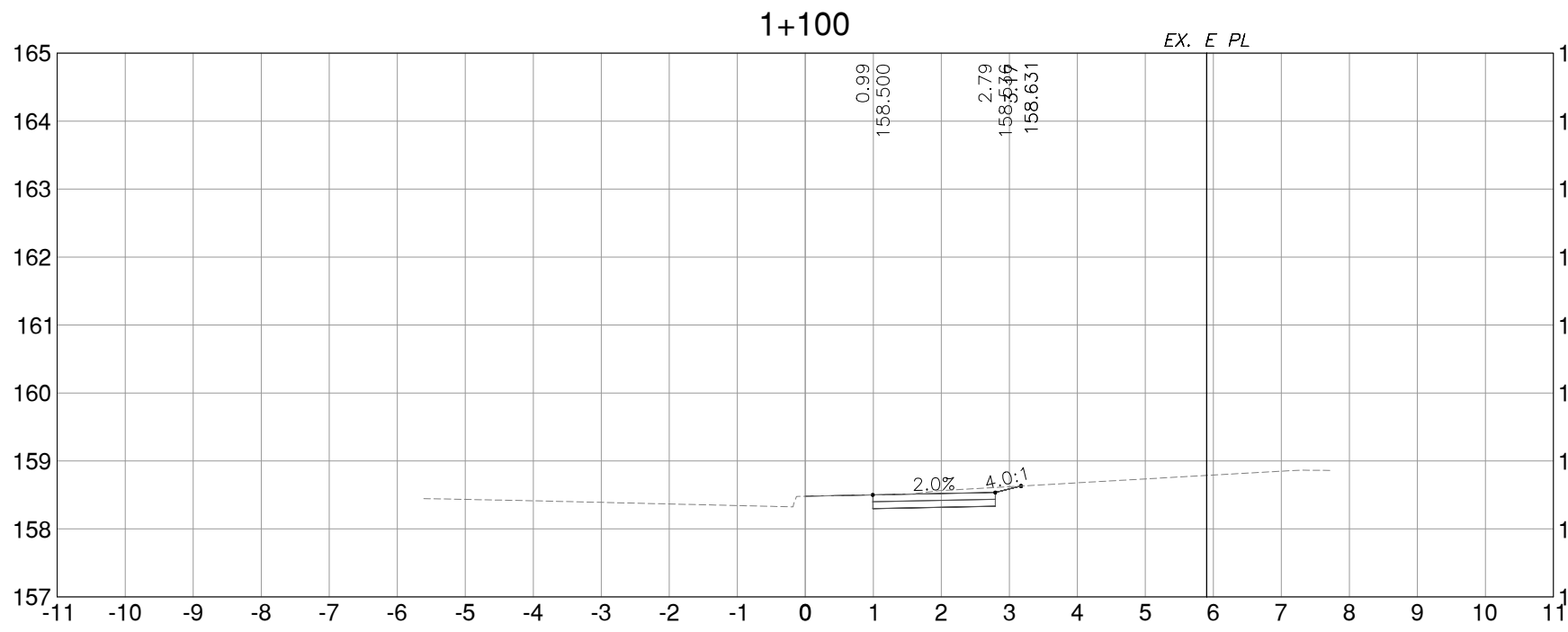
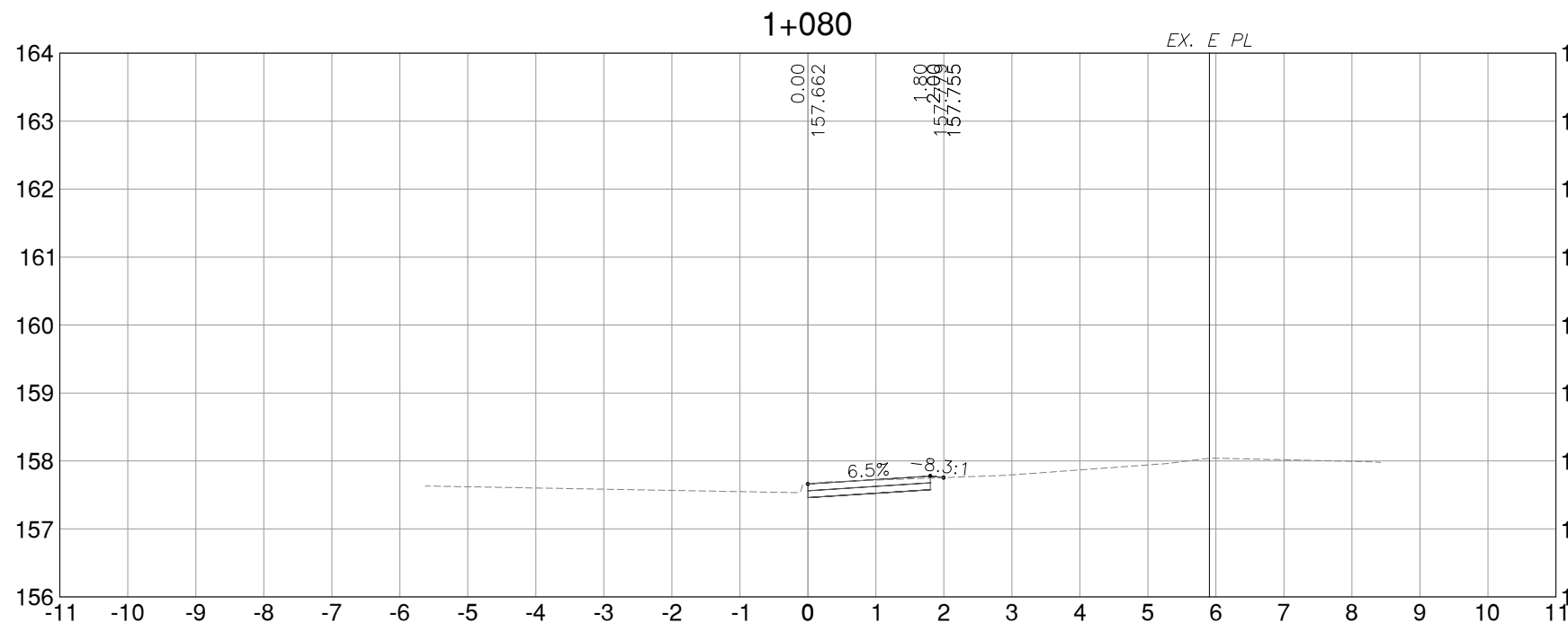
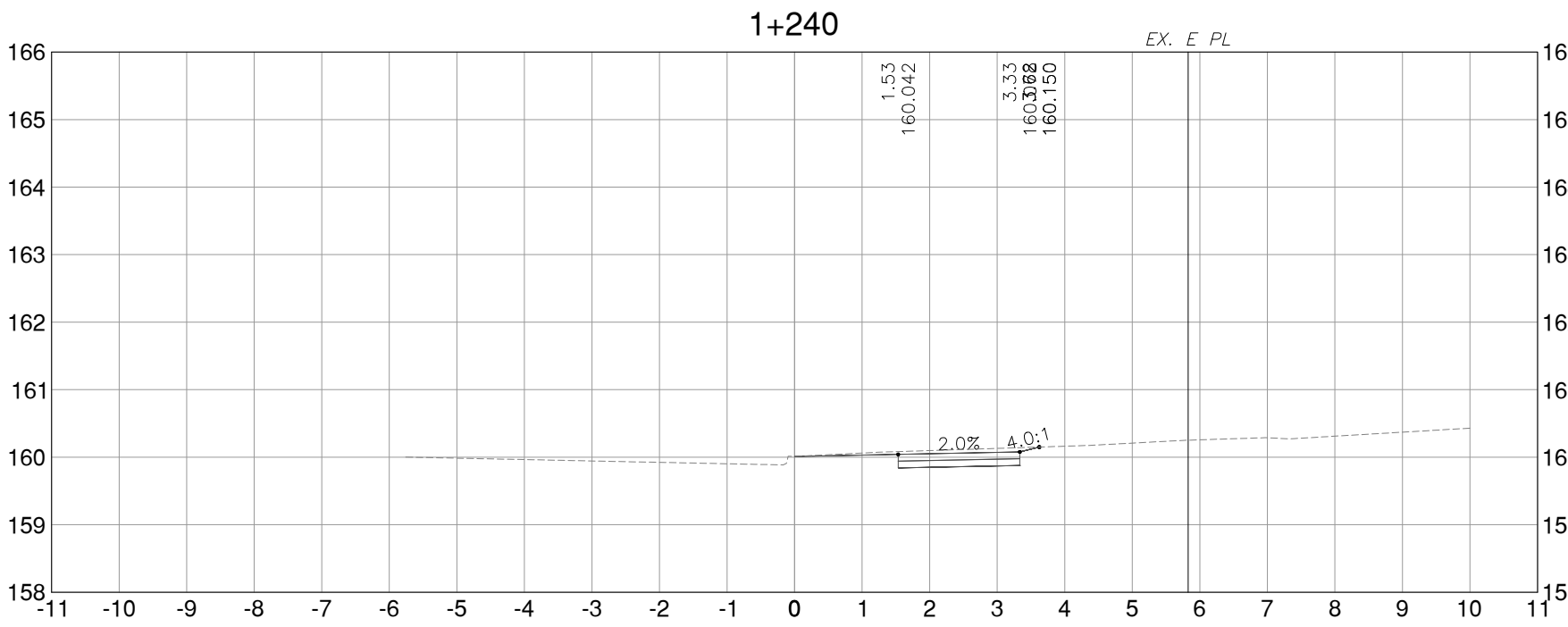
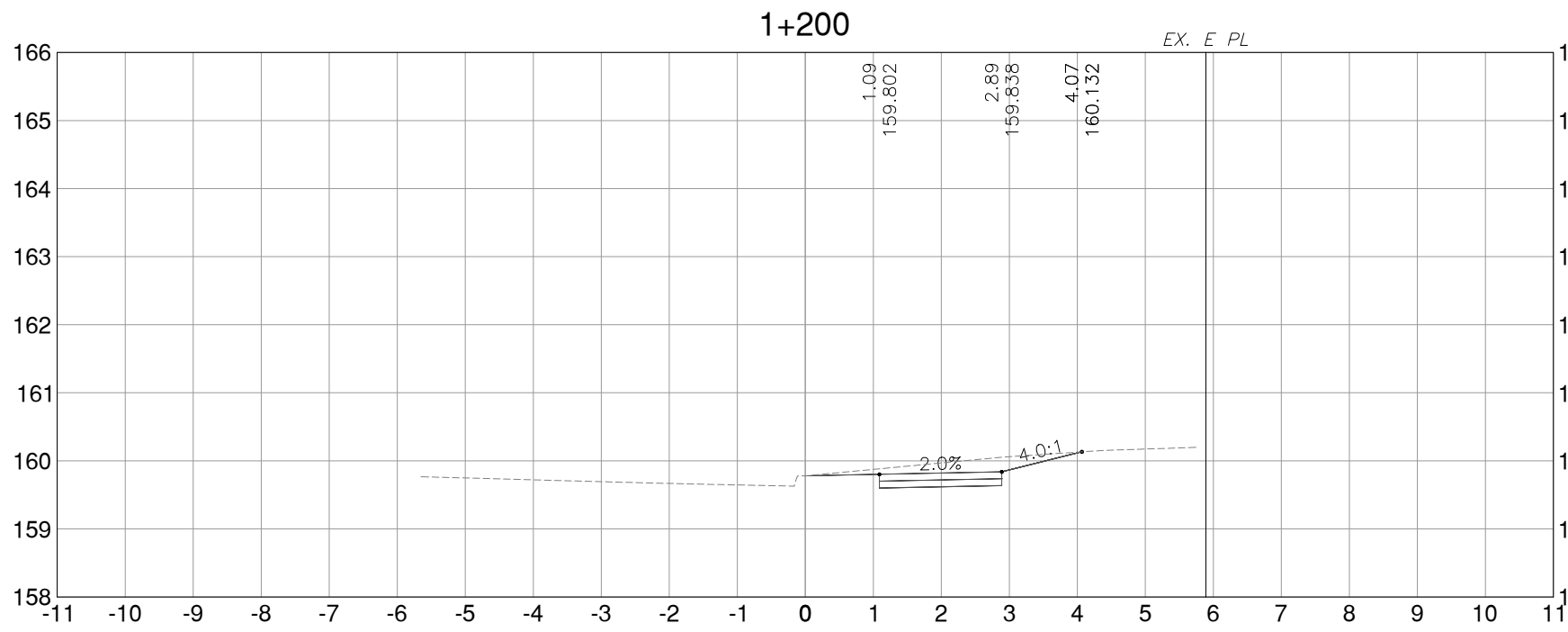
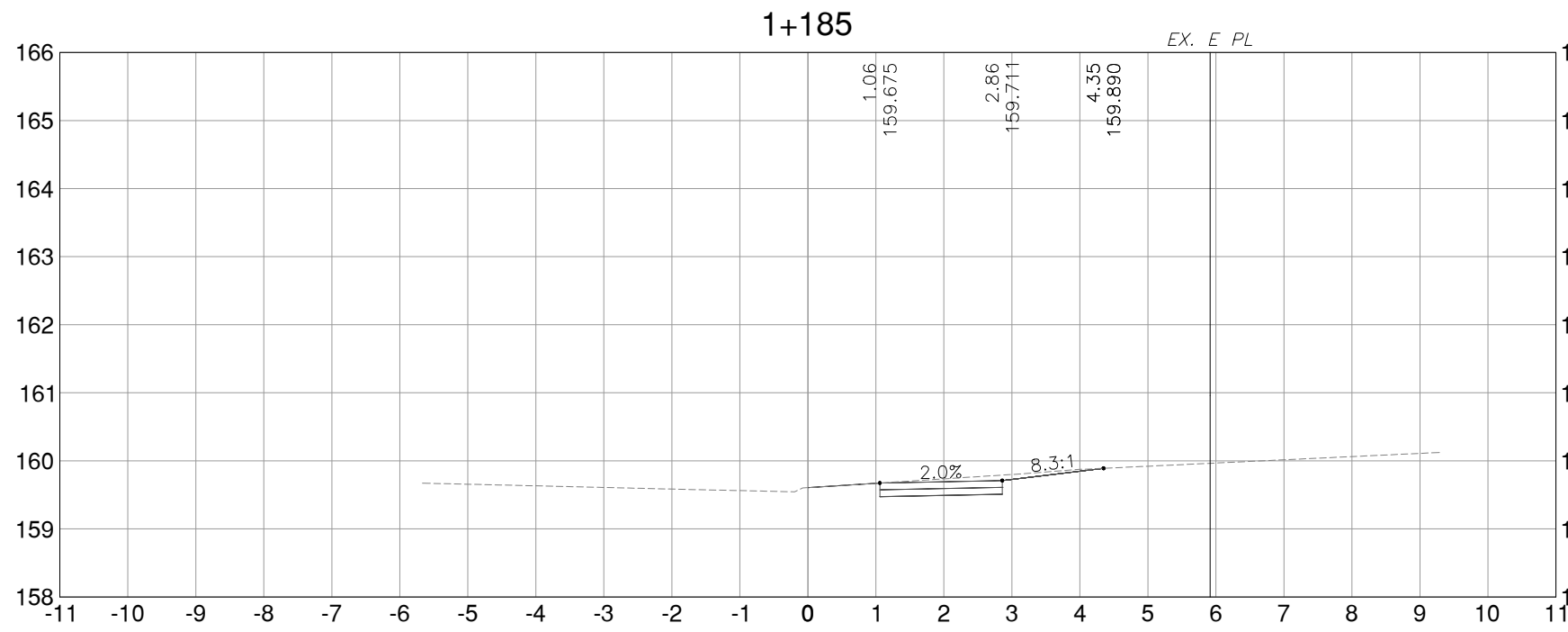
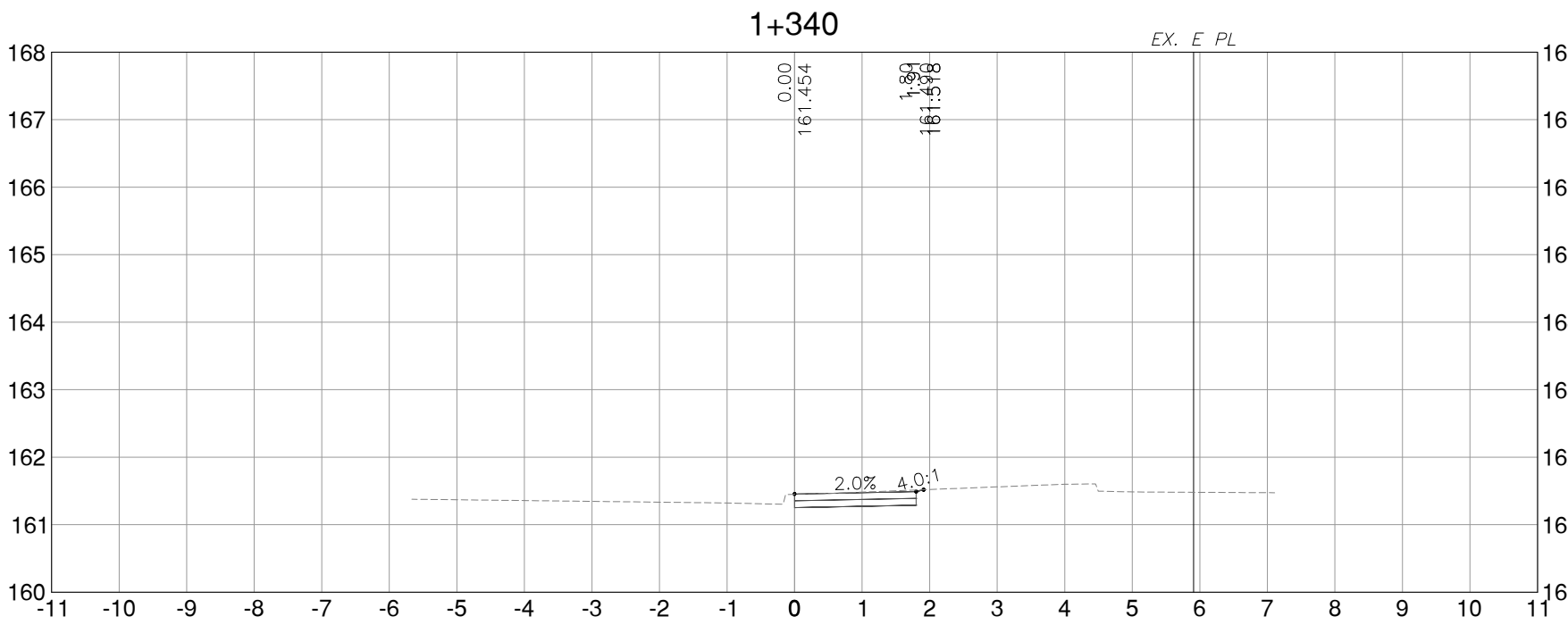
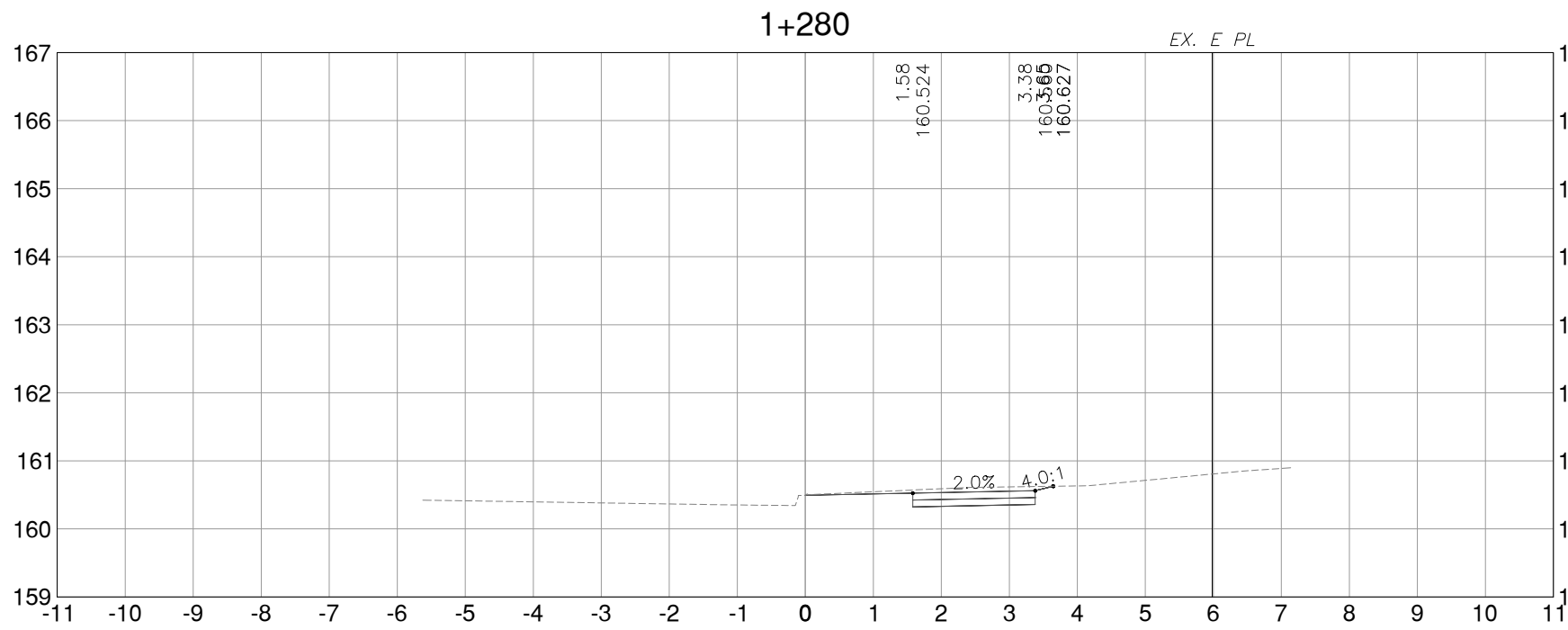
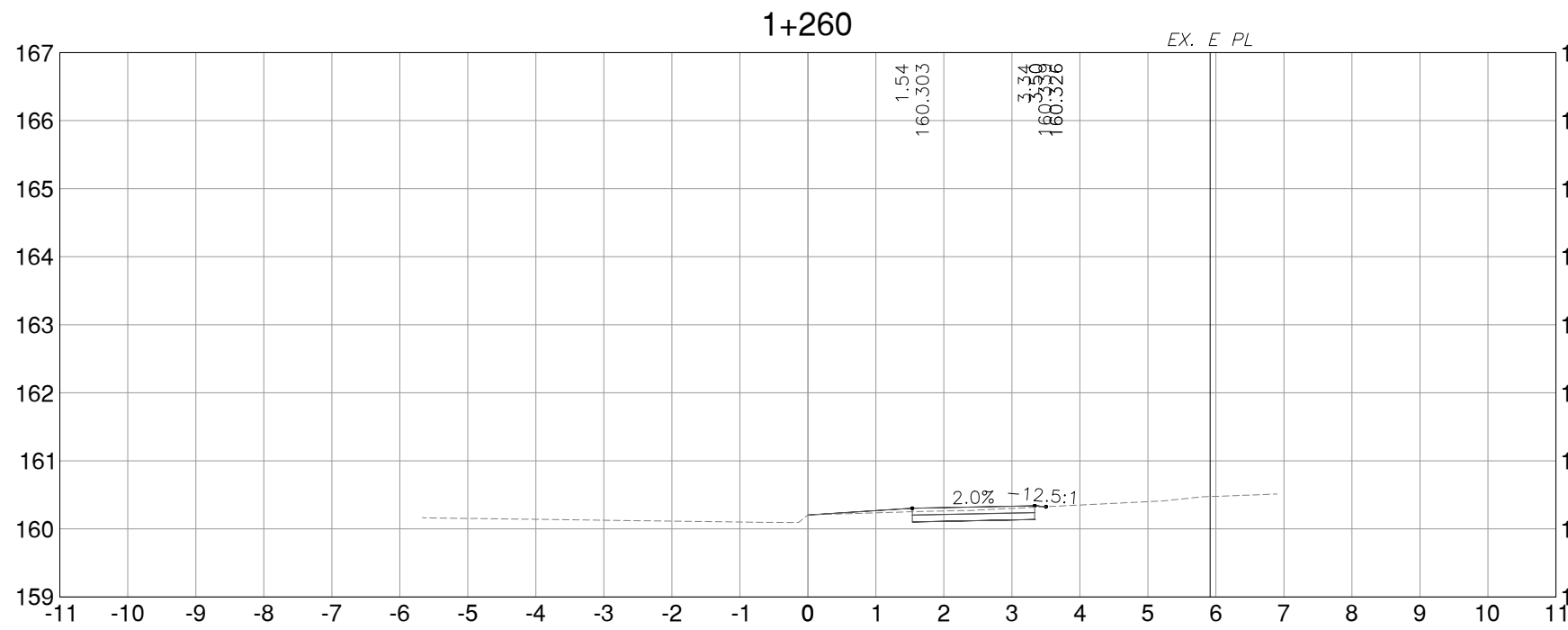
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SCALE	1:100	SCALE	1:100
HORIZ.		VERT.	
SHEET	17	OF	17
ENG PROJECT	2111-06279-00	NUMBER	

PROJECT	2024 SIDEWALK PROGRAM
DESCRIPTION	HAVERSLEY AVE., IVY AVE., GROVER AVE., SCHOOLHOUSE ST.
	CROSS SECTIONS
	GROVER AVE - STA. 4+020 TO STA. 4+100
	File: 06279-C4-200



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Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top
Gosmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

Approved Sealed

NO.	DATE	BY	REVISIONS	ENG.
C	2024.03.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

DESIGN BY	DATE
HL	December 09, 2022
DRAWN BY	DATE
MMJ	December 09, 2022
CHECKED BY	DATE
MH	December 09, 2022
APPROVED BY	DATE
AG	December 09, 2022

Coquitlam

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PERMIT NUMBER: 1003299
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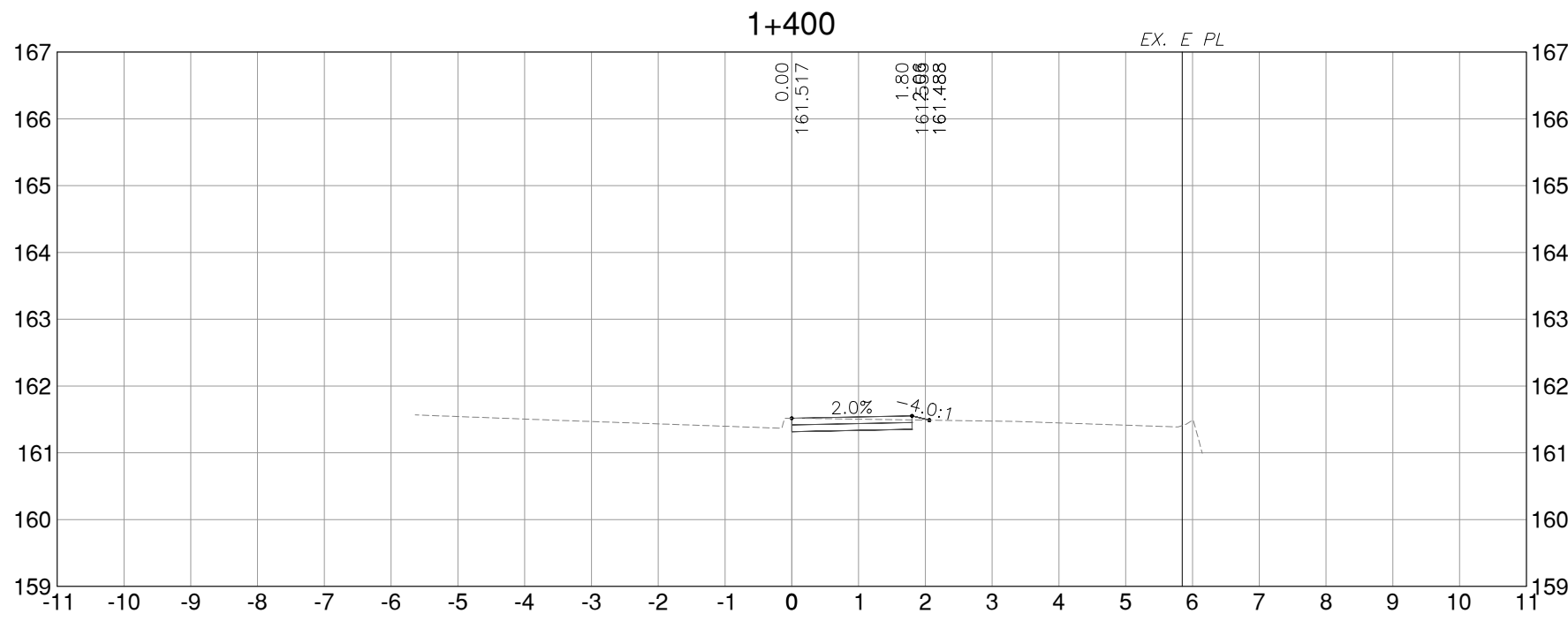
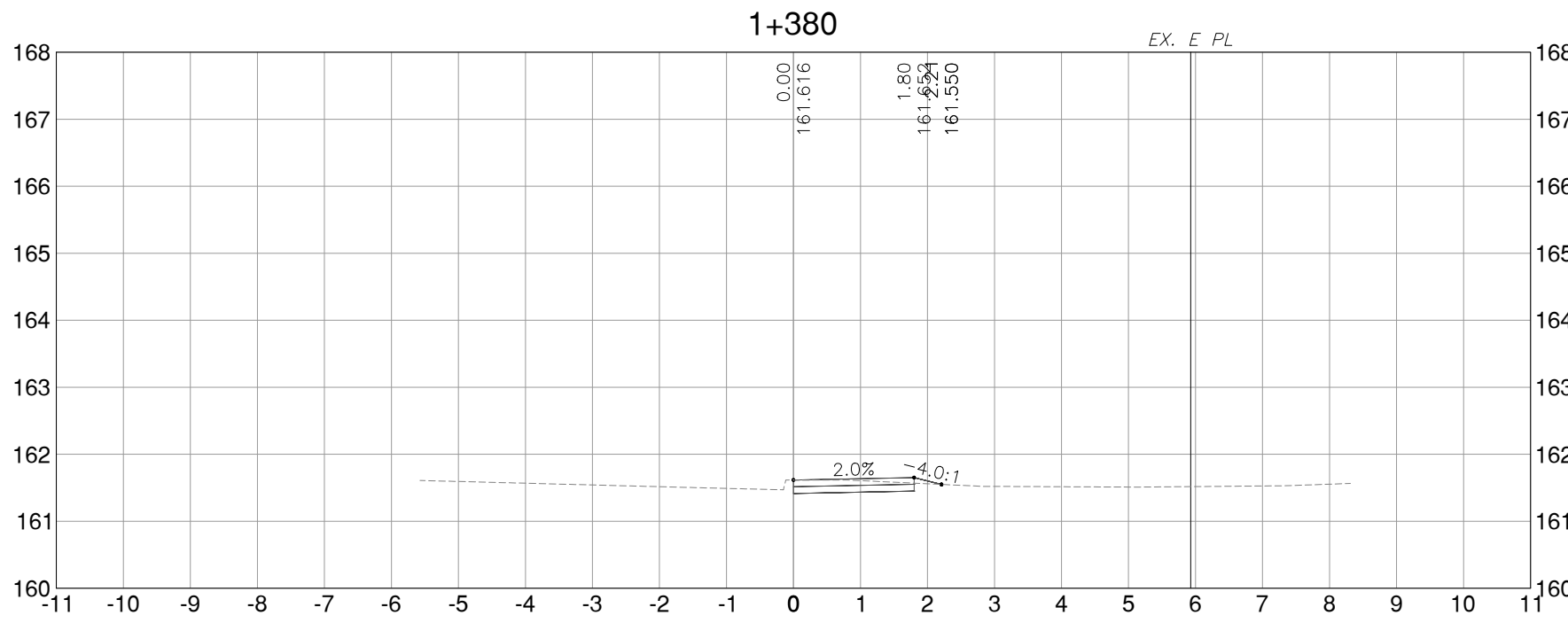
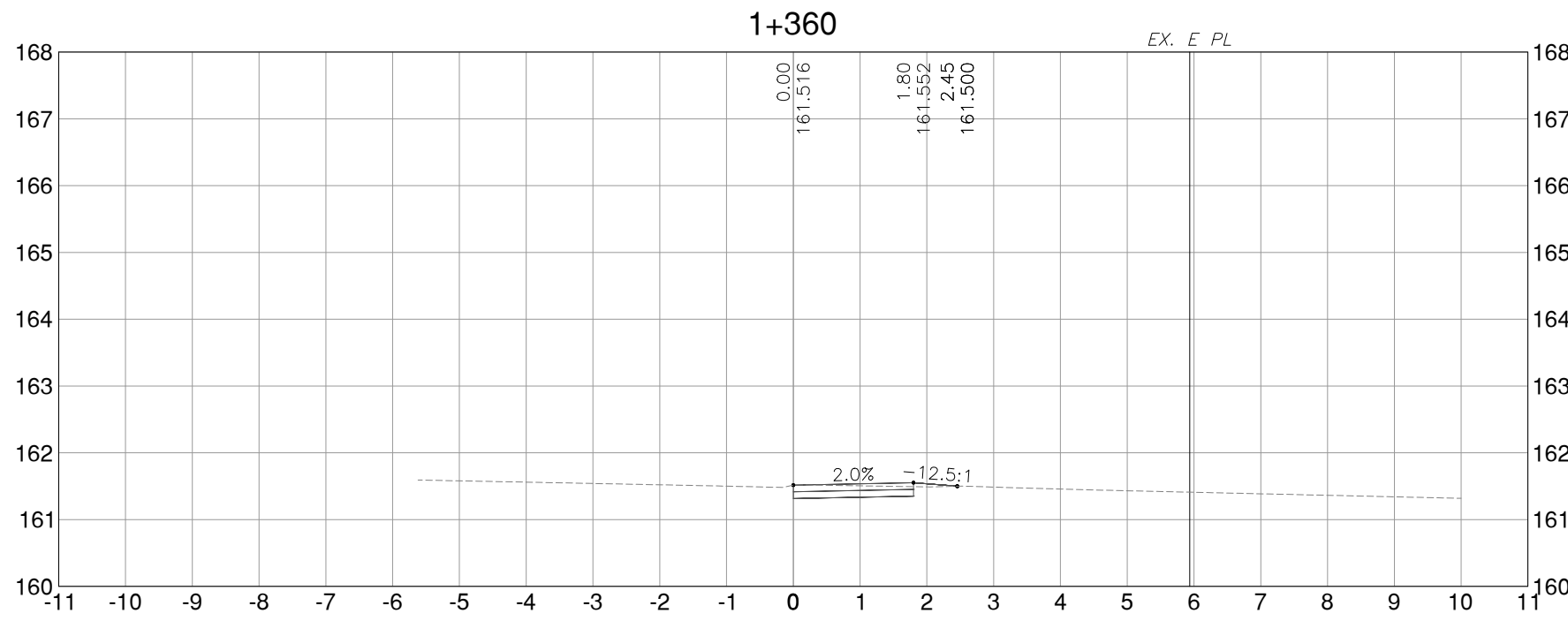
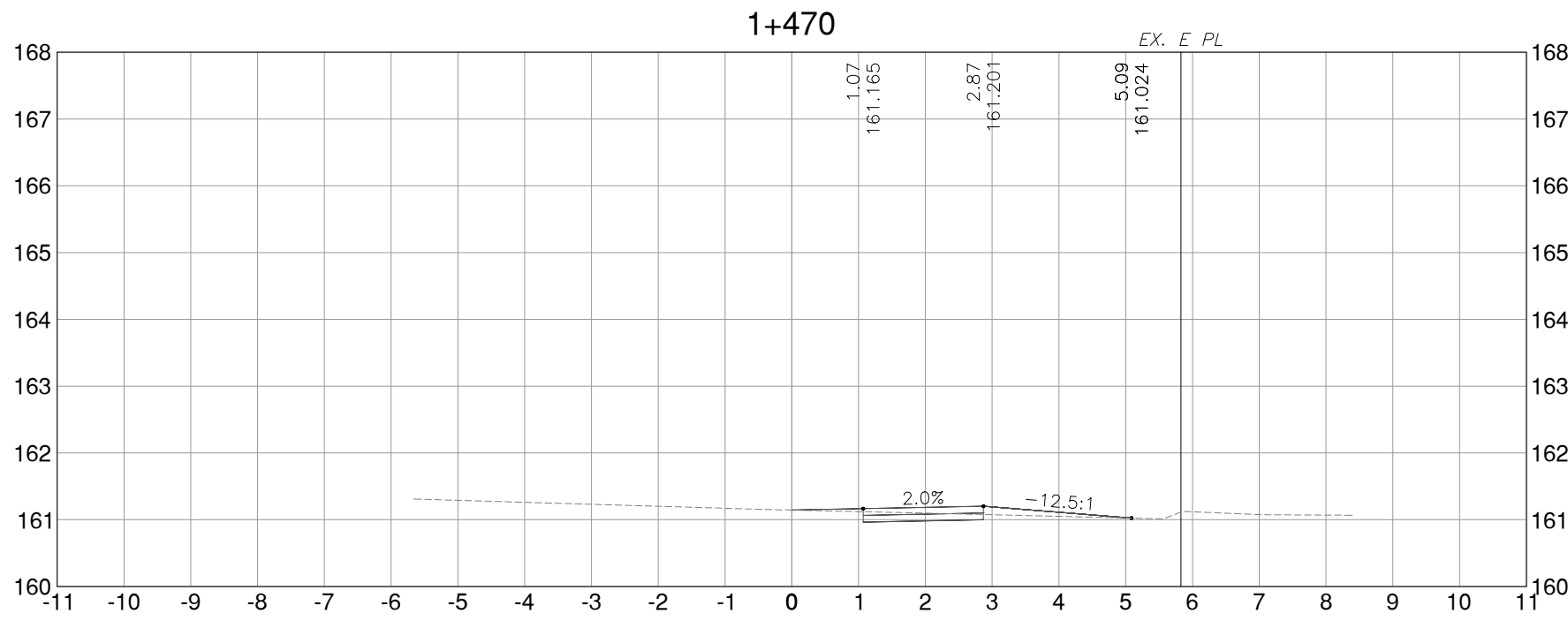
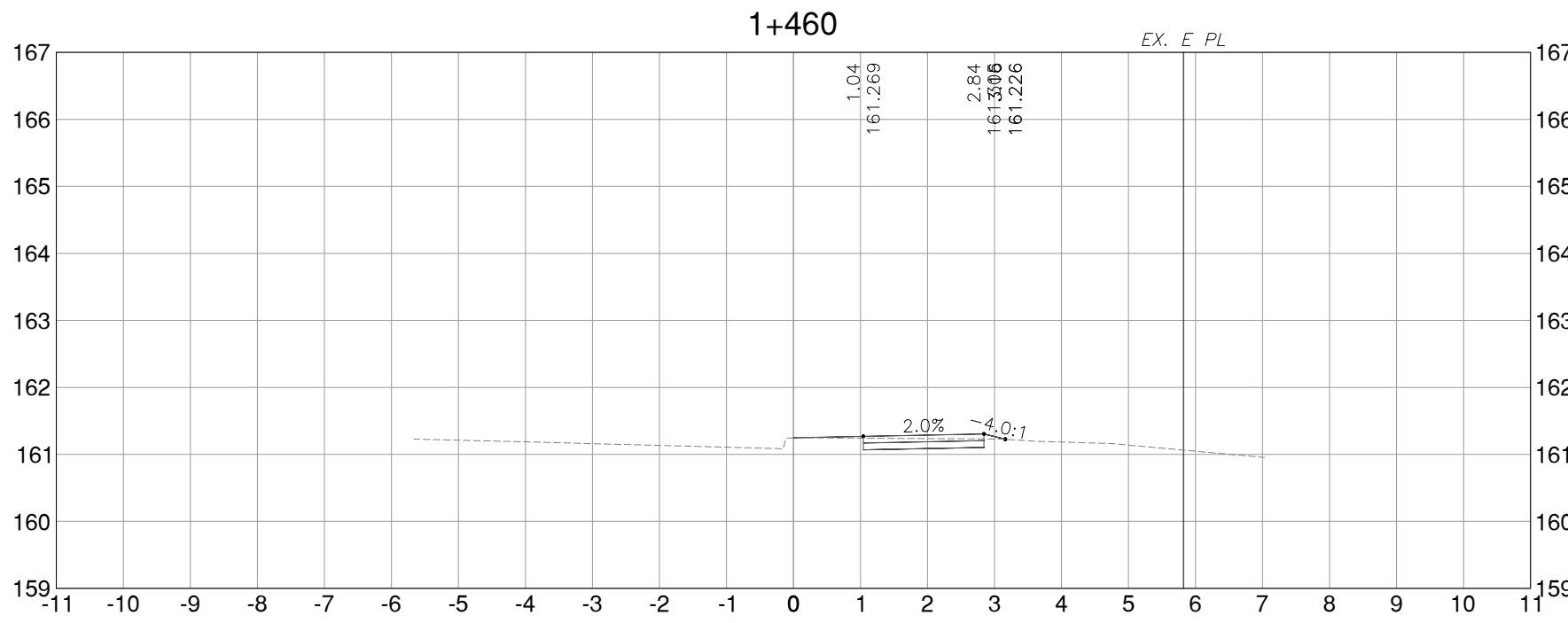
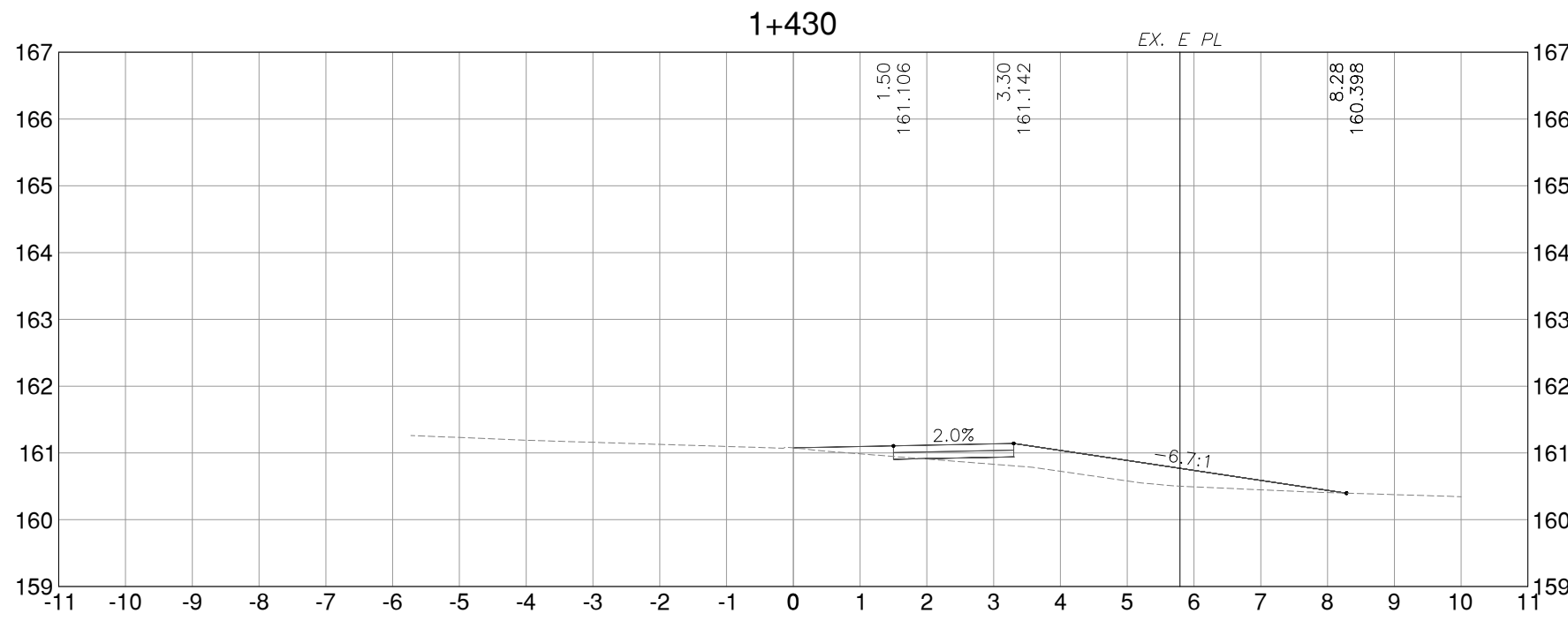
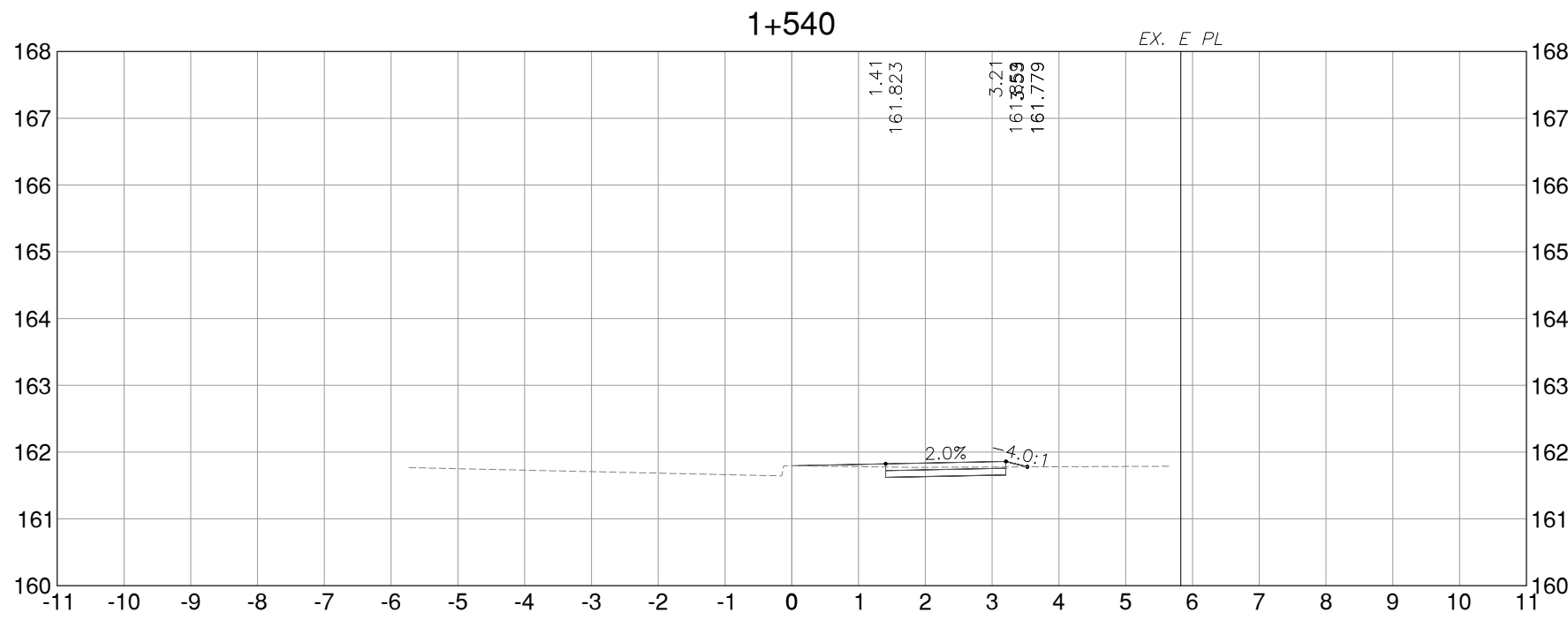
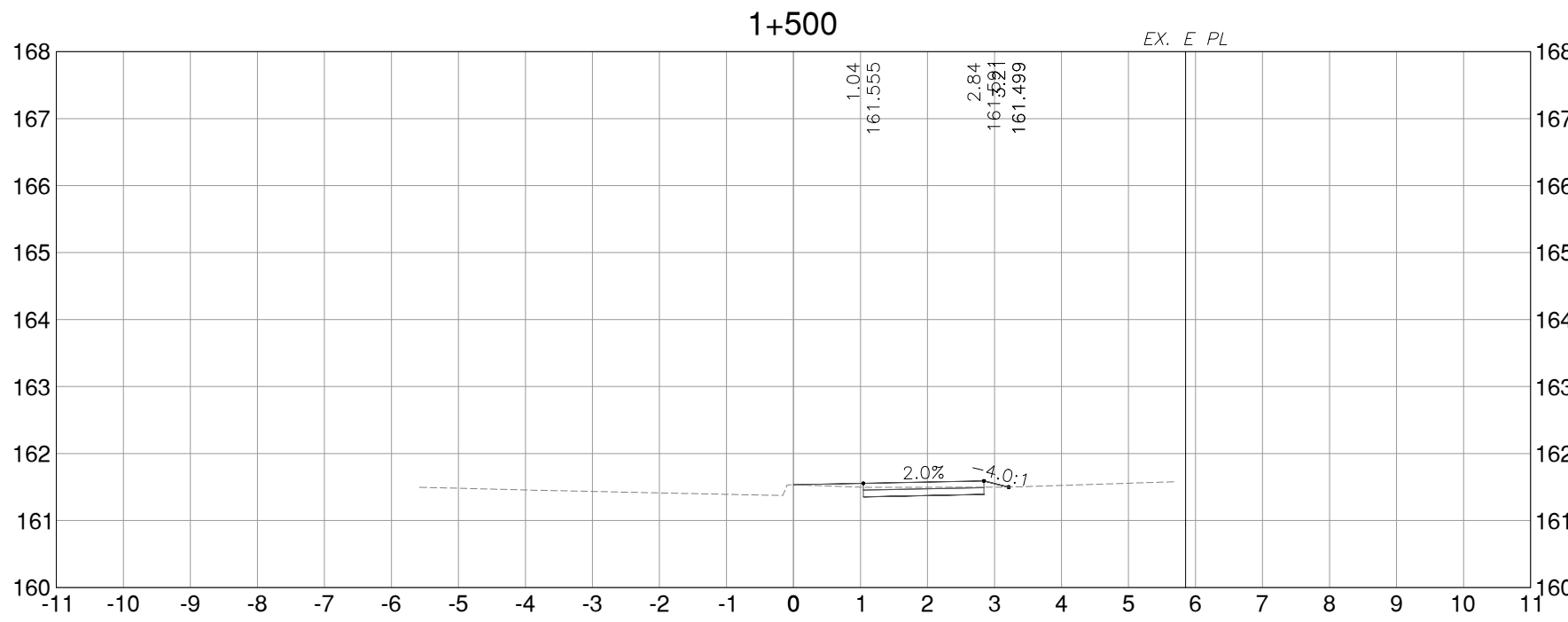
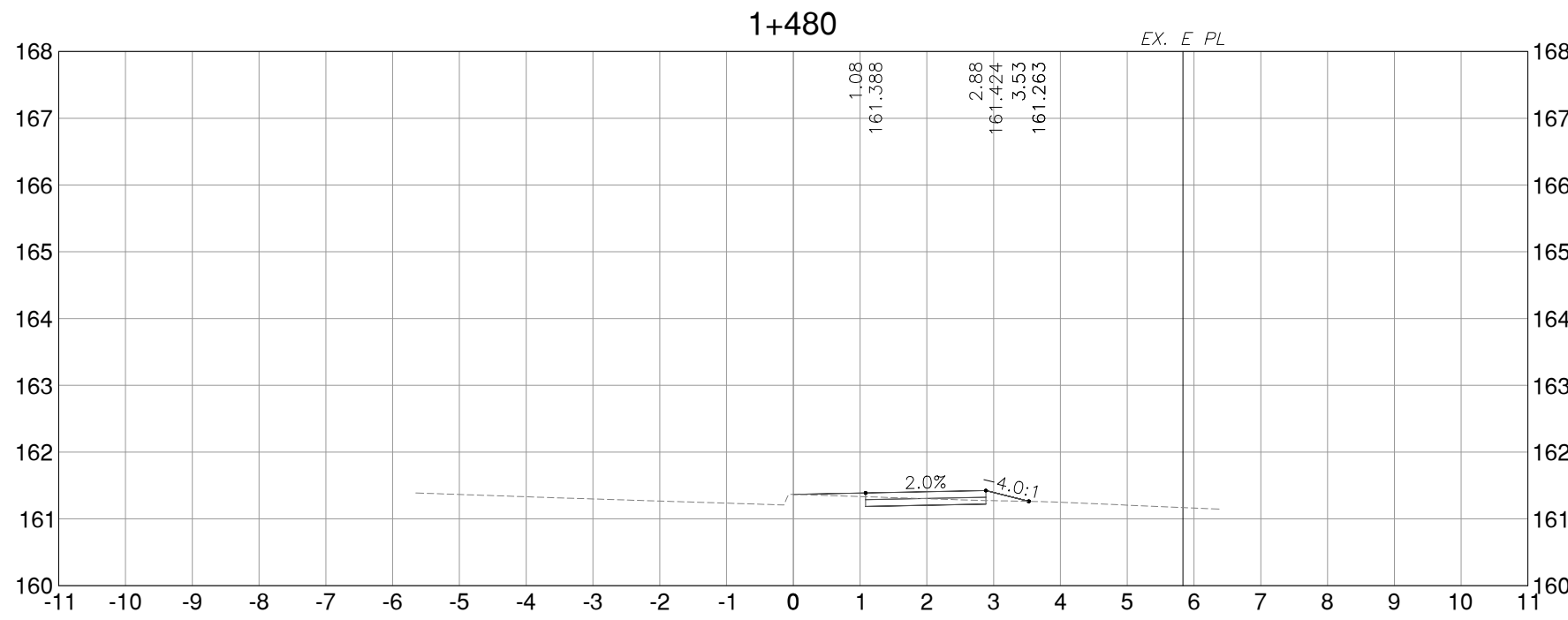
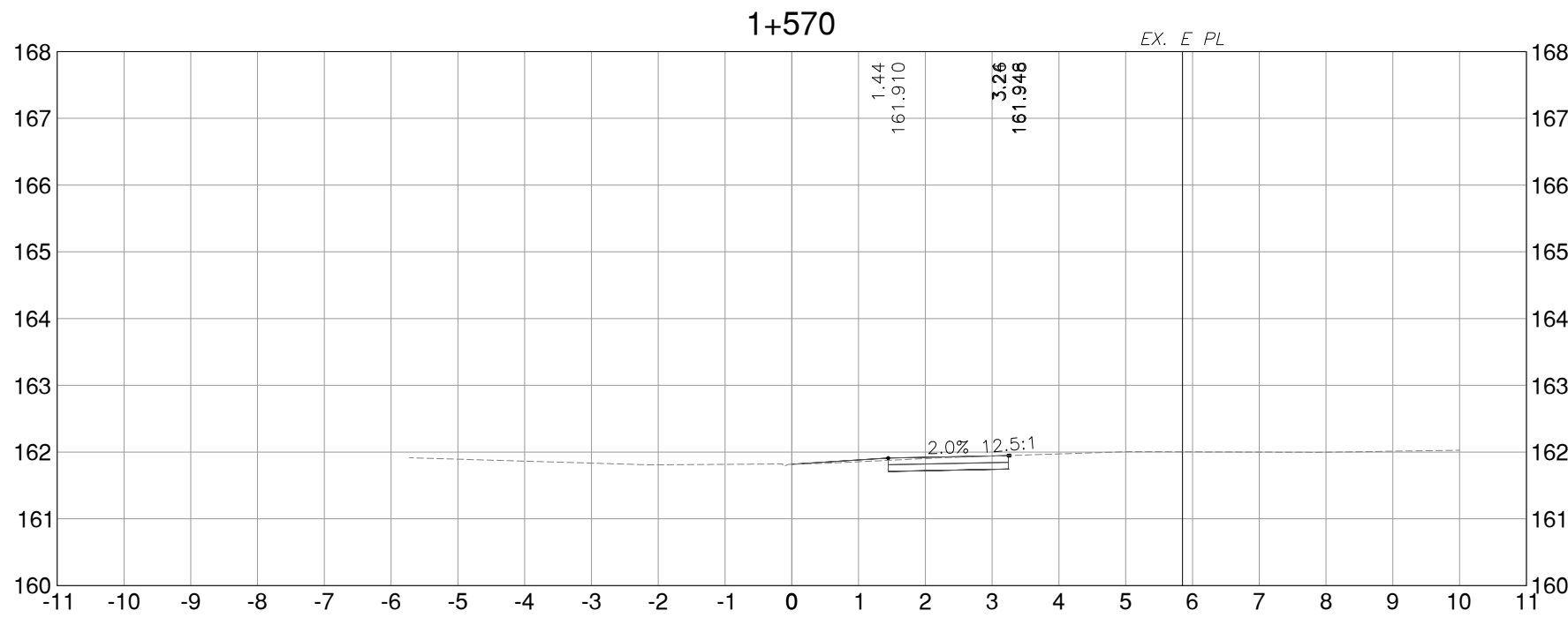
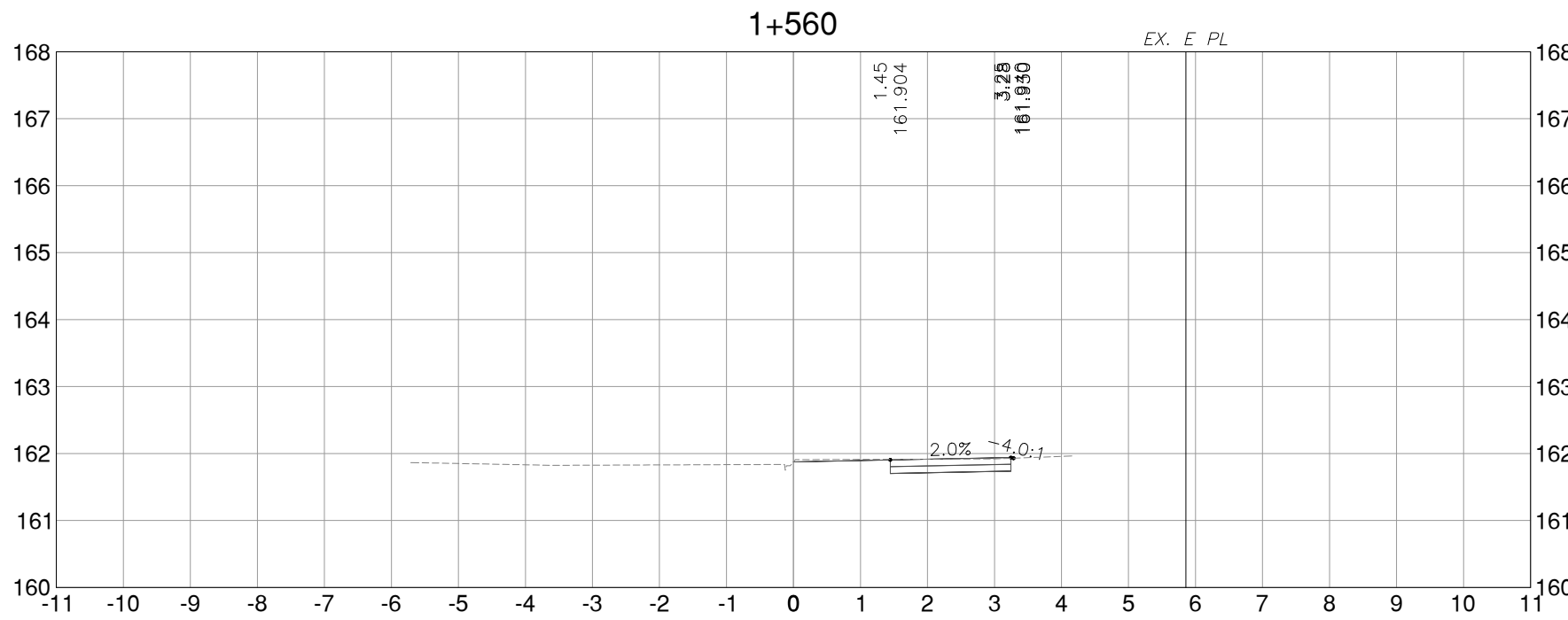
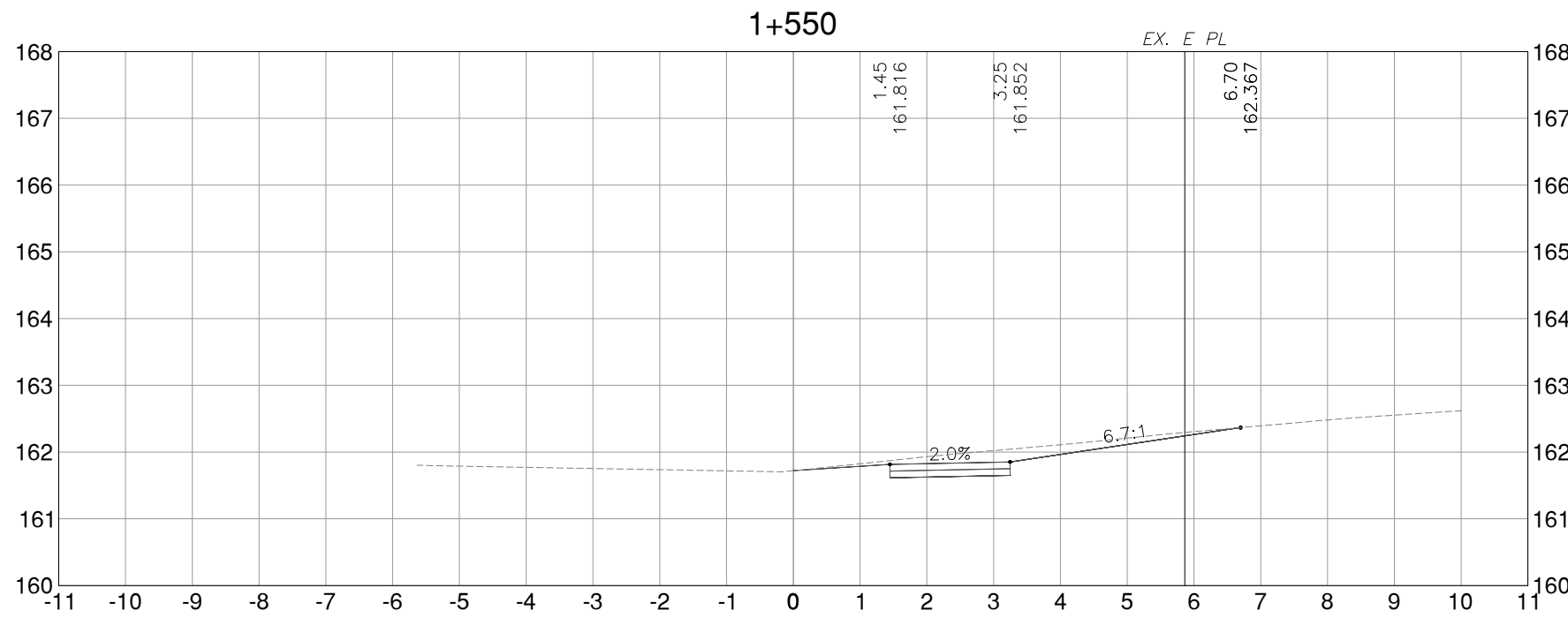
Suite 2300
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Surrey BC
Canada V3T 5X3
T 604 596 0391

SCALE 1:100 SCALE 1:100
HORIZ. 15 OF 17
SHEET
ENG PROJECT 2111-06279-00
NUMBER

PROJECT 2024 SIDEWALK PROGRAM
IVY AVE, GROVER AVE & SCHOOLHOUSE ST

DESCRIPTION CROSS SECTIONS
SCHOOLHOUSE STREET - STA. 1+041 TO STA. 1+340

File: 06116-C1-200



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Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
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Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

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PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

DESIGN BY	DATE
HL	December 09, 2022
DRAWN BY	DATE
MMJ	December 09, 2022
CHECKED BY	DATE
MH	December 09, 2022
APPROVED BY	DATE
AG	December 09, 2022

Coquitlam

McElhanney

PERMIT TO PRACTICE
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PERMIT NUMBER: 1003299
Engineers and Geoscientists of BC

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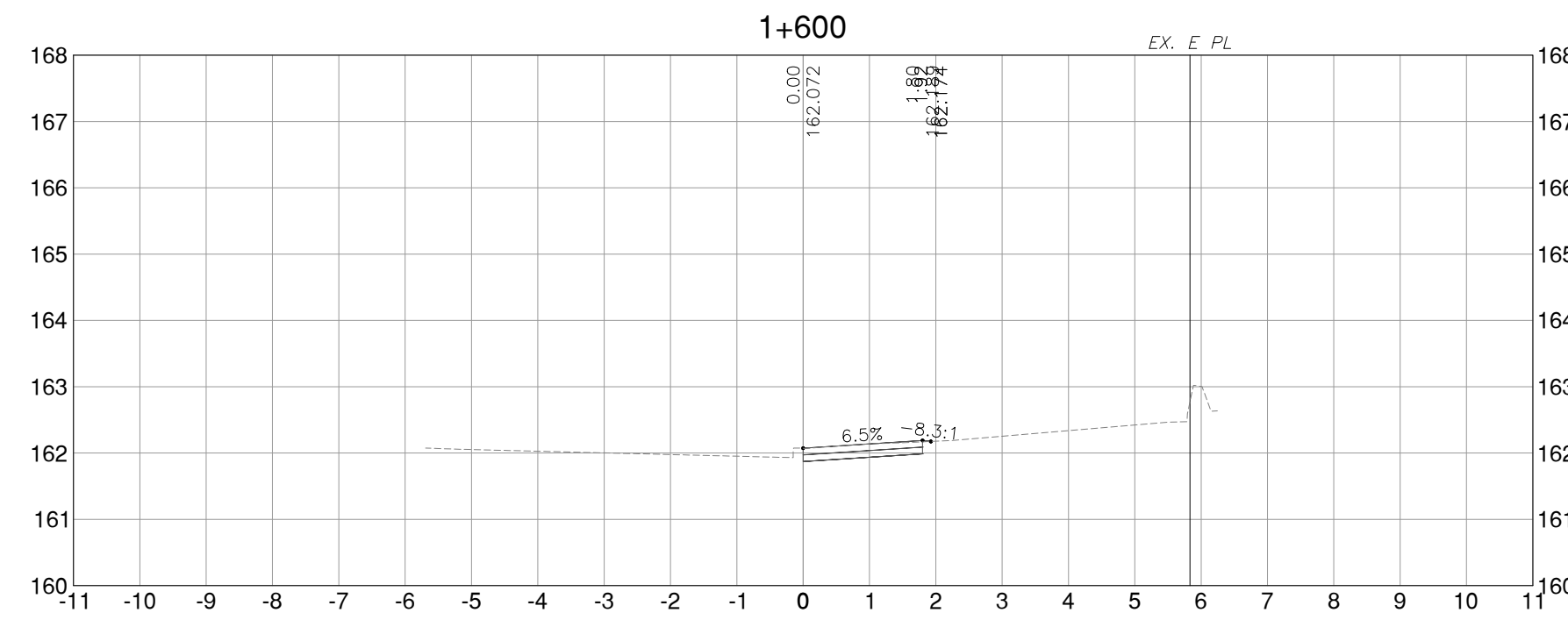
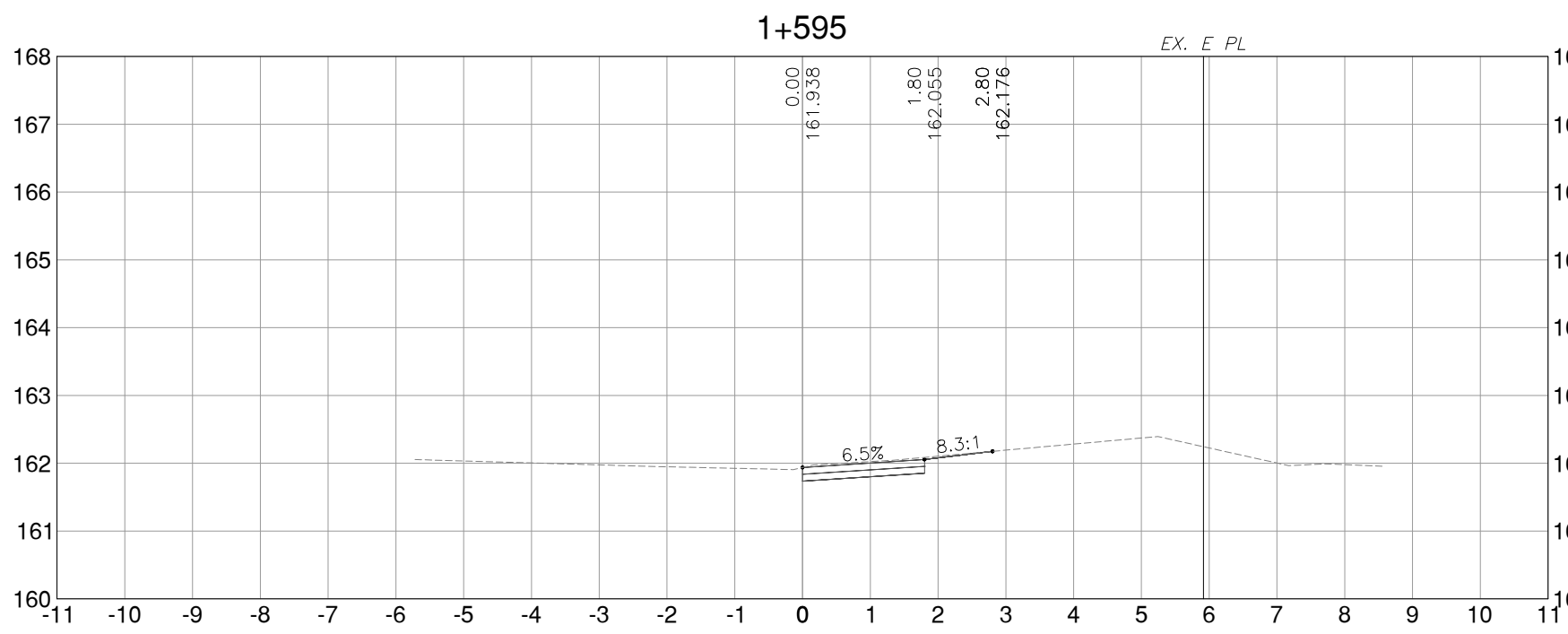
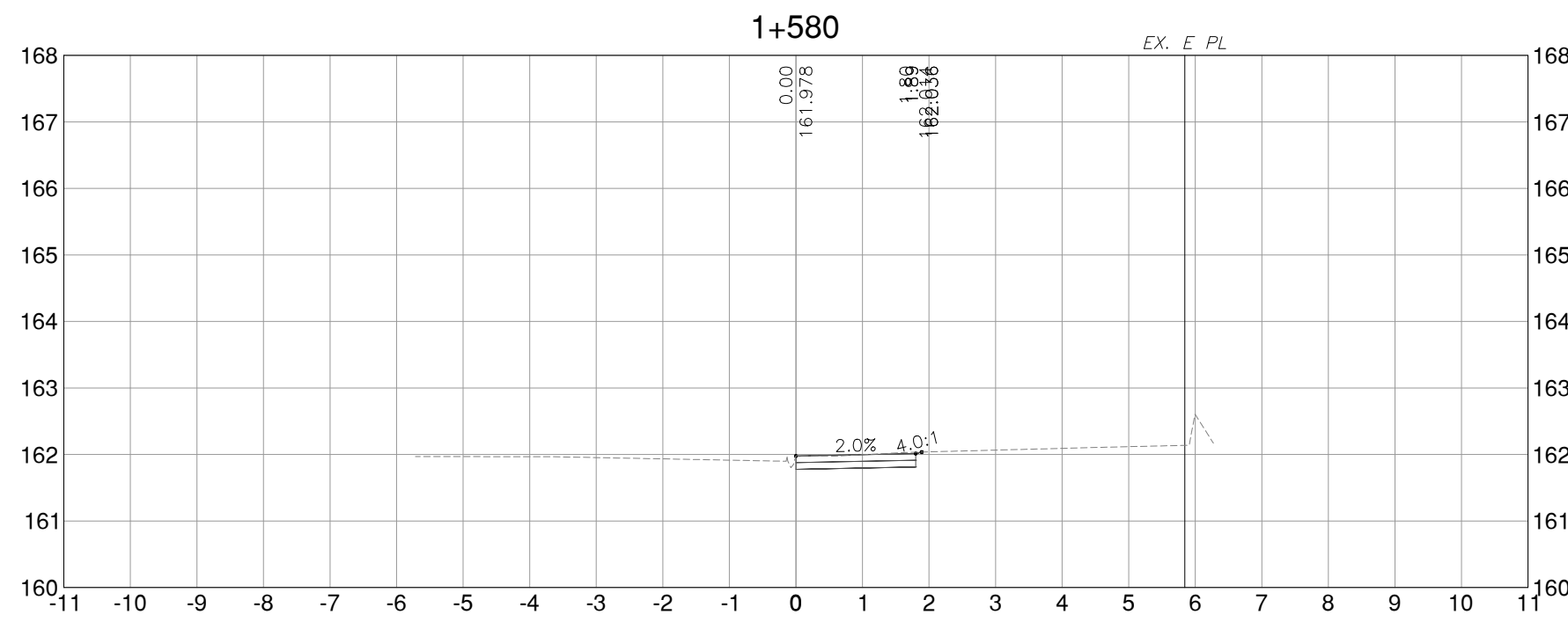
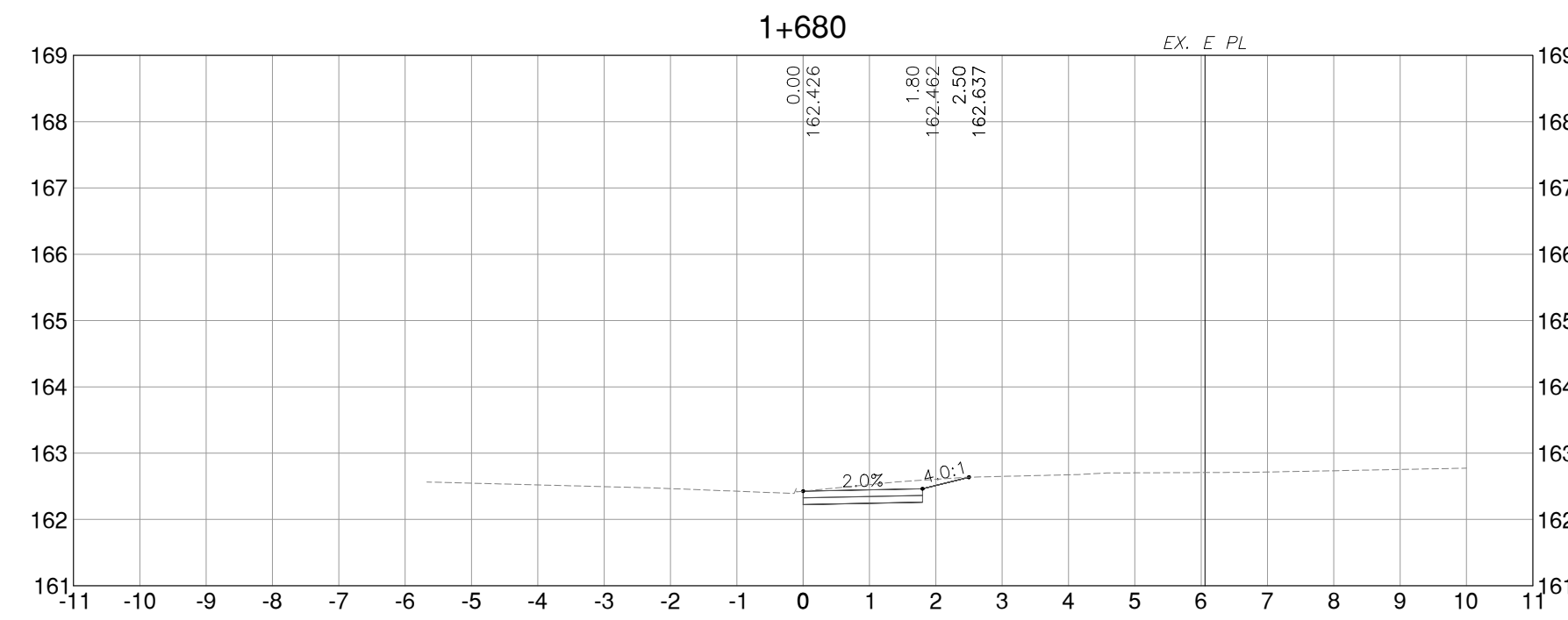
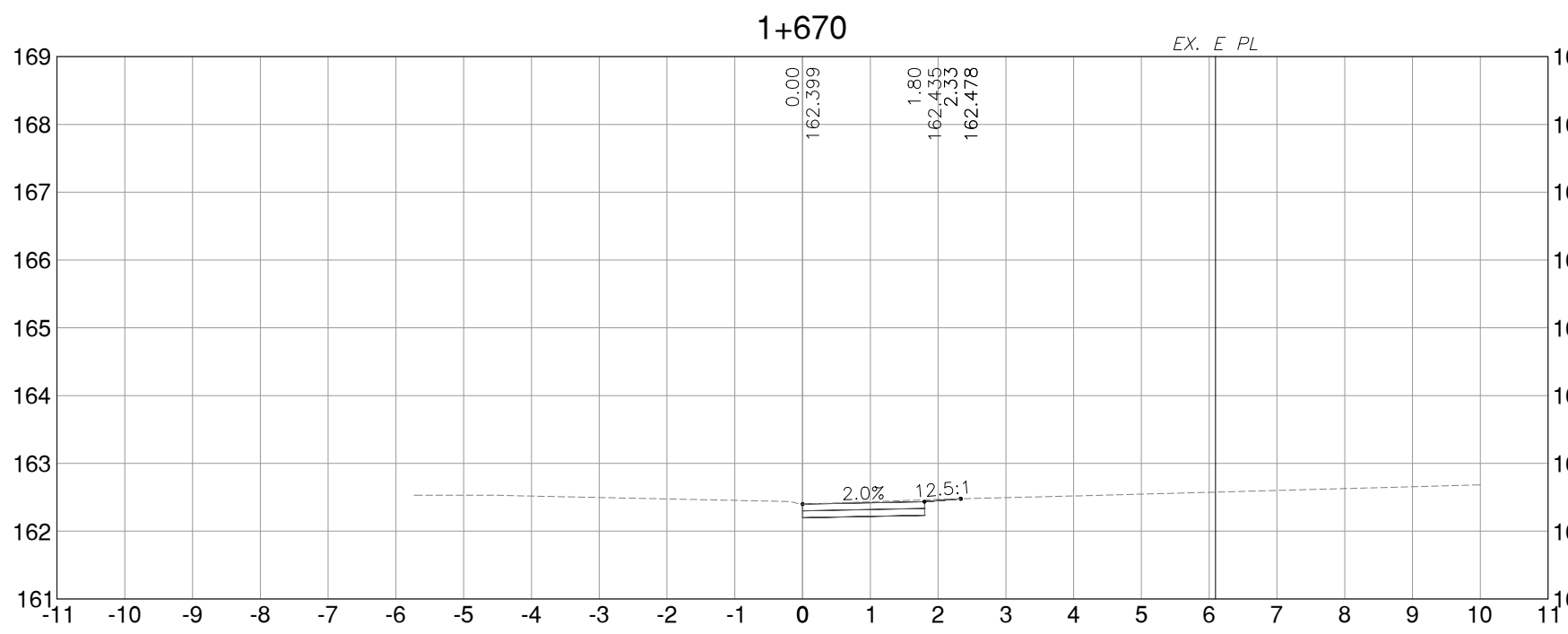
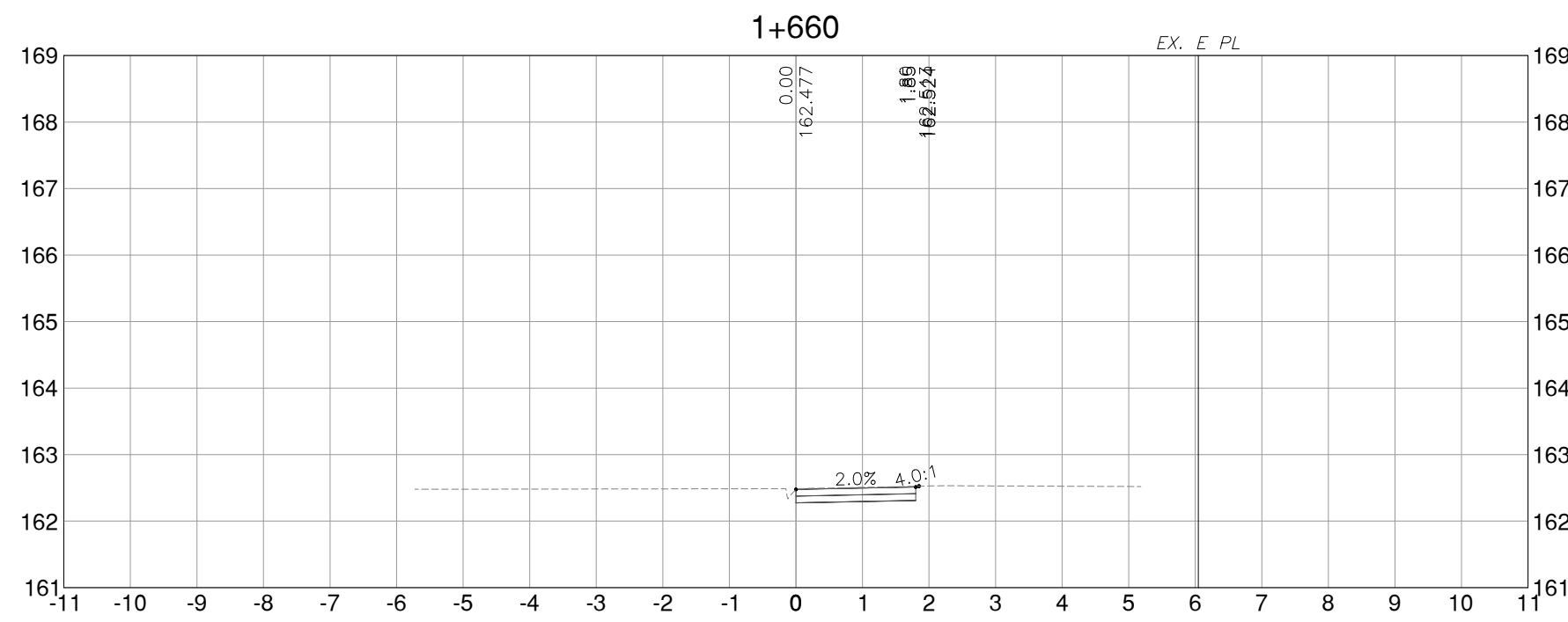
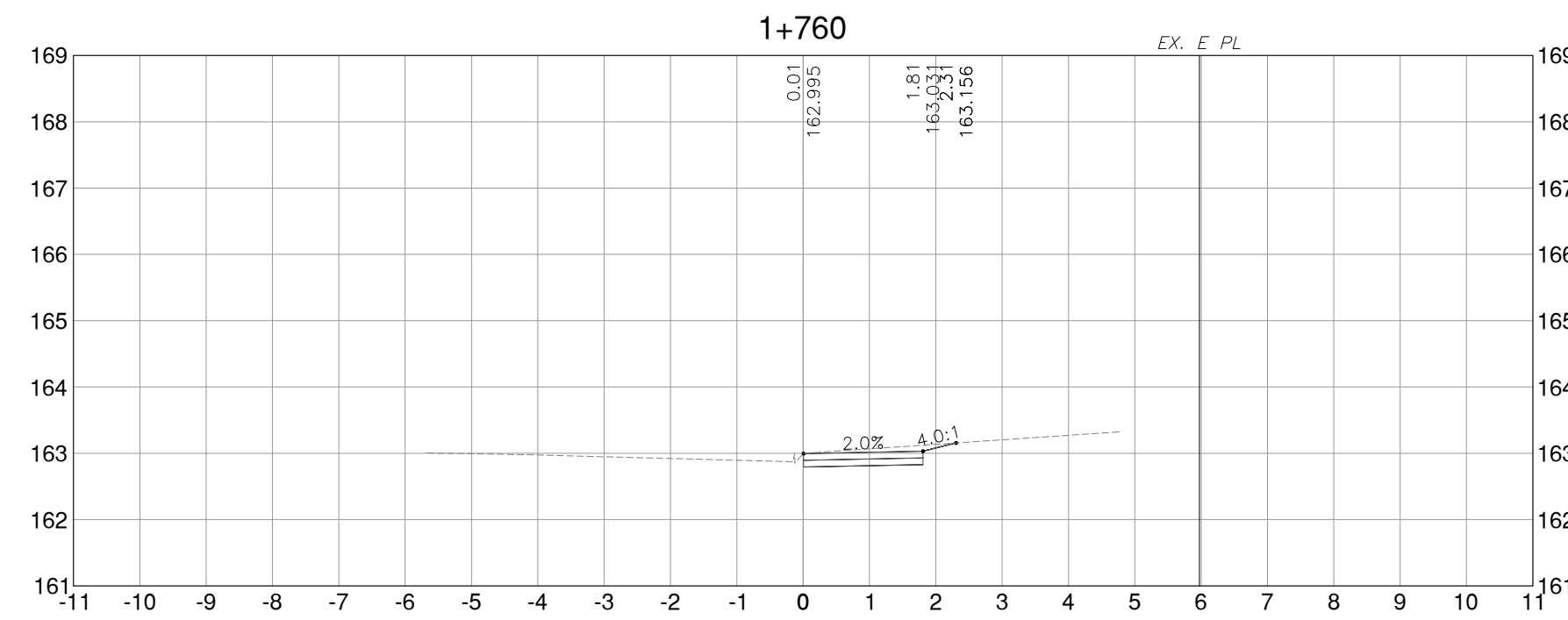
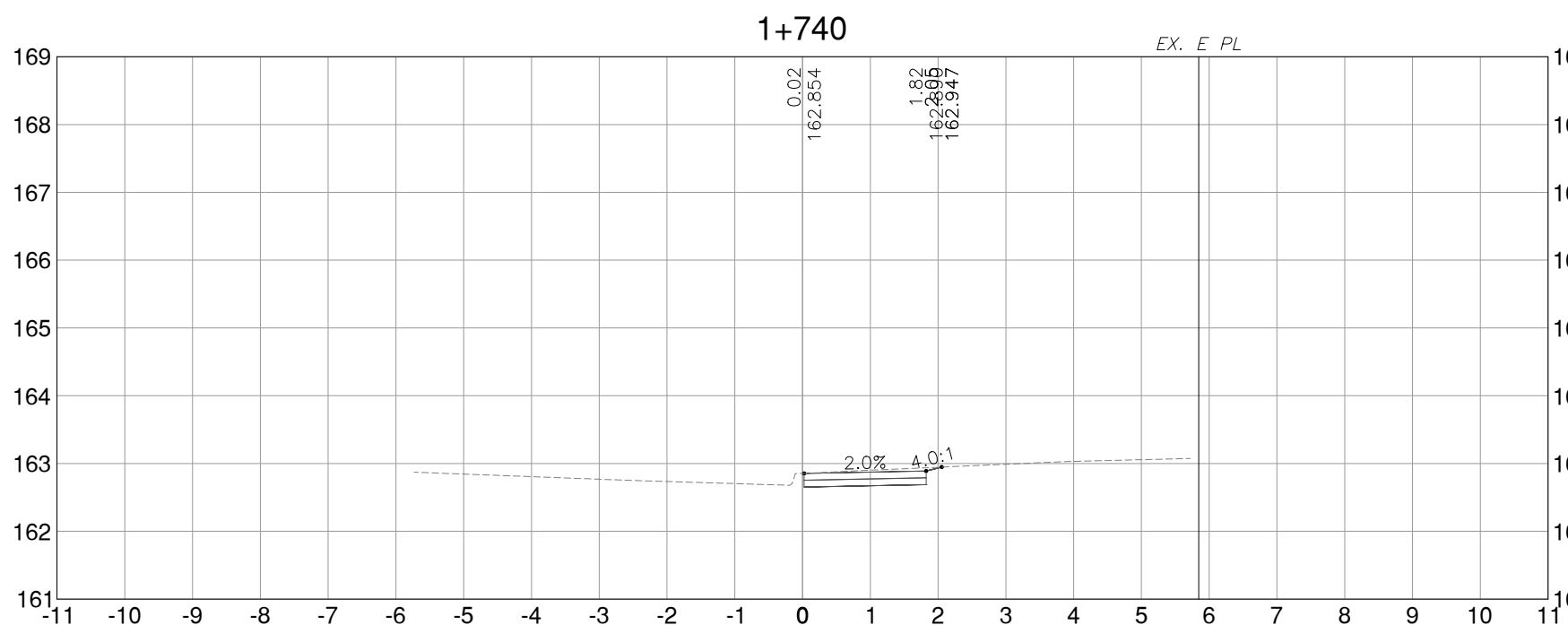
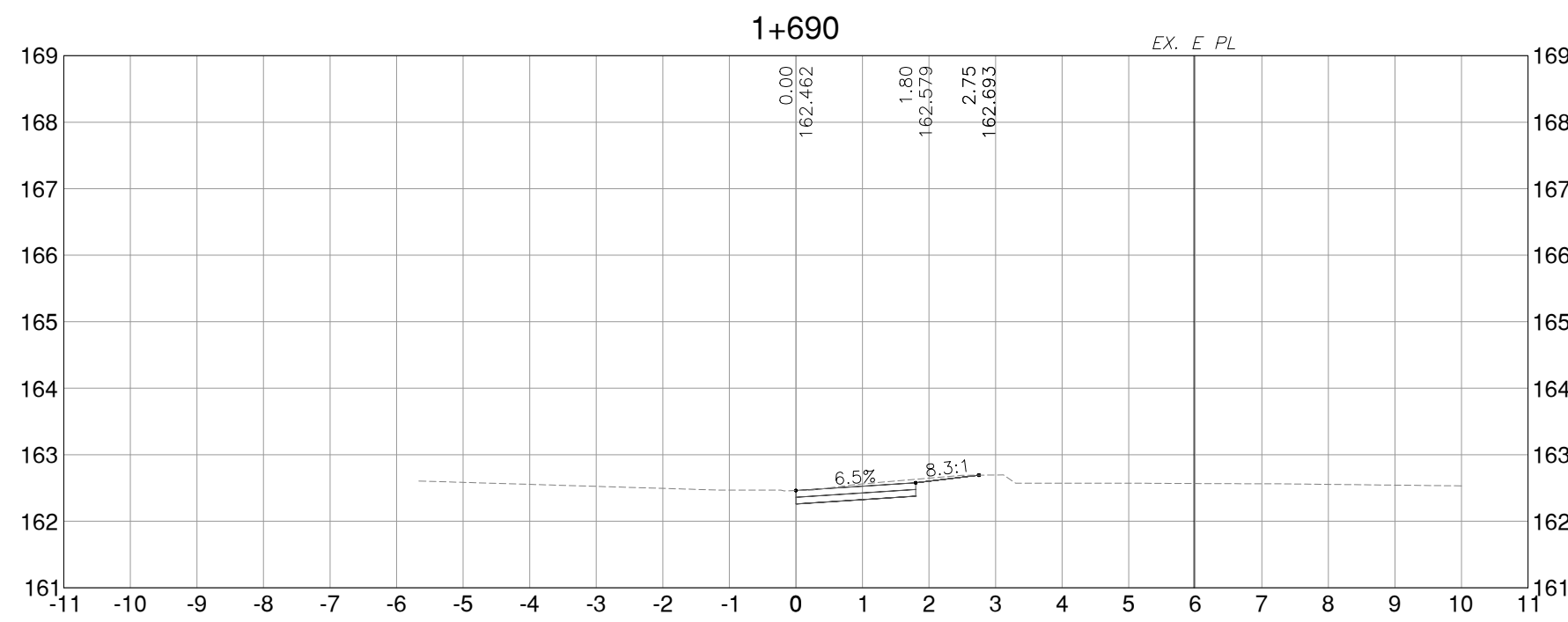
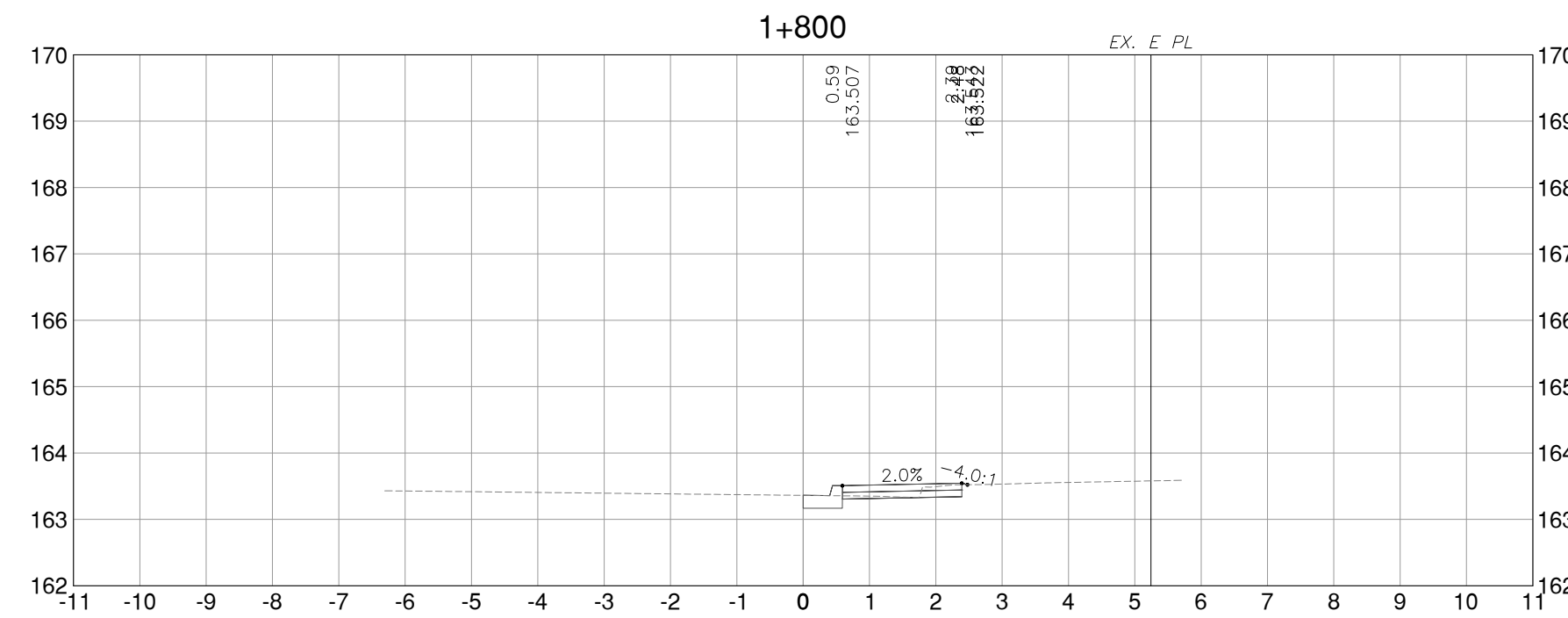
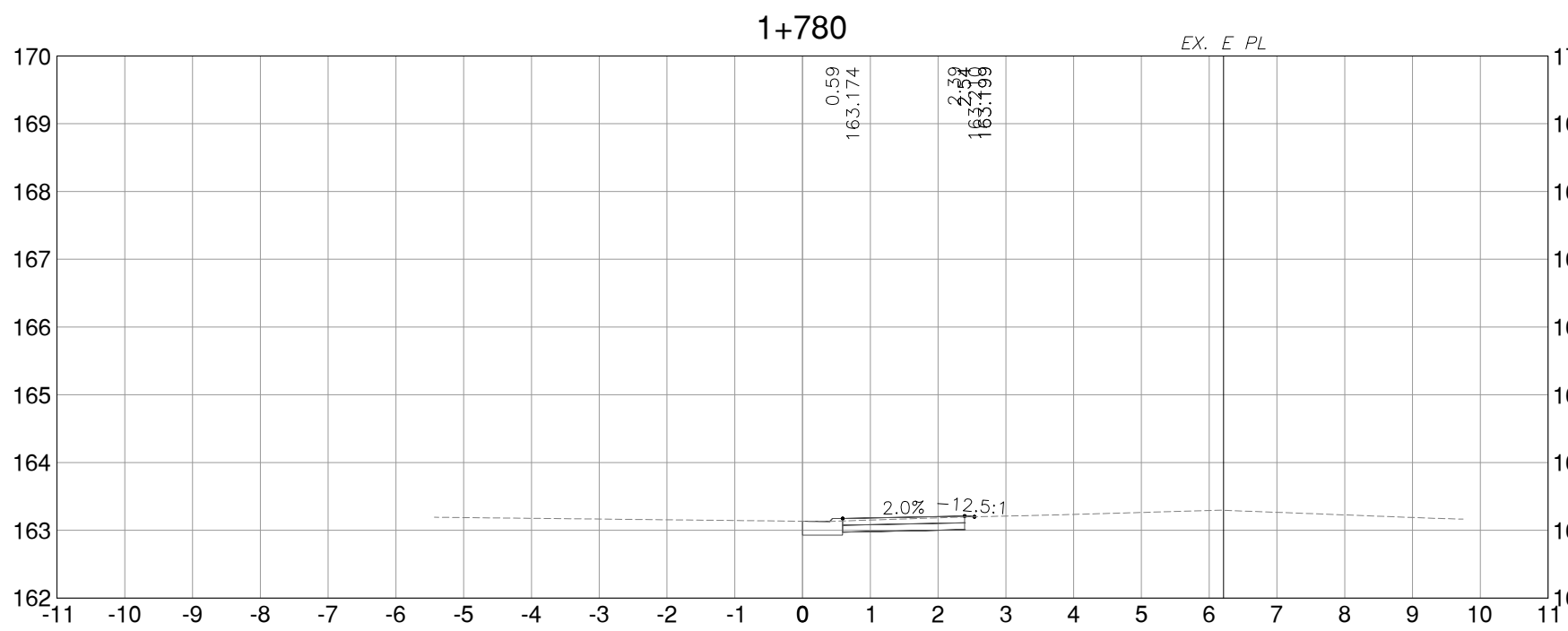
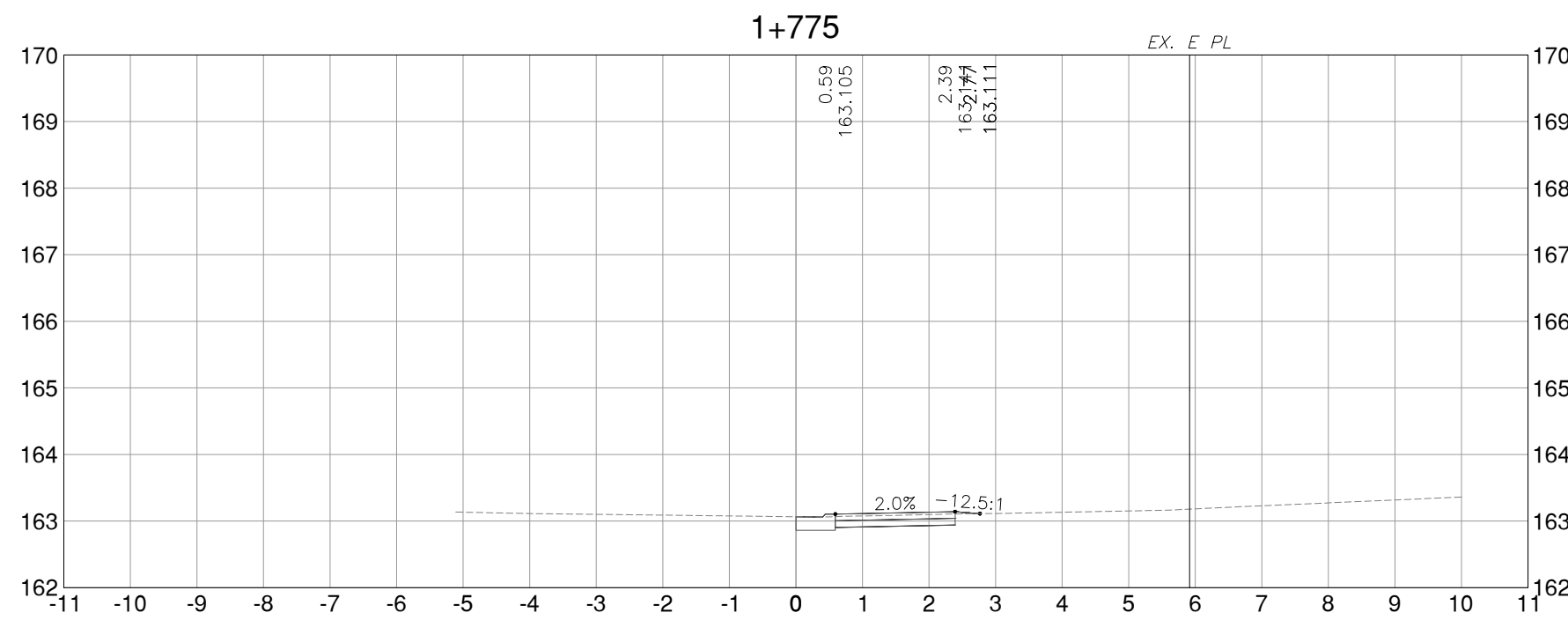
SCALE
HORIZ. 1:100
SHEET 16 OF 17
ENG PROJECT NUMBER 2111-06279-00

SCALE
VERT. 1:100

PROJECT 2024 SIDEWALK PROGRAM
IVY AVE, GROVER AVE & SCHOOLHOUSE ST

DESCRIPTION CROSS SECTIONS
SCHOOLHOUSE STREET - STA. 1+360 TO STA. 1+570

File: 06116-C1-200



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Edge of pavement	Hydrant	Sanitary service
Watermain and valve	Water air valve	Sanitary cleanout
Drainage sewer, MH	Water blowoff	Utility pole(joint pole)
Drainage ditch	Water service	Utility pole with light
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, davit
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top
Gosmain and valve	Catch basin, round	Comb signal pole
Hydro duct, MH	Drainage service	Traffic signal pole
Telephone duct, MH	Drainage cleanout	Traffic signal post

STAMP

Approved Sealed

NO.	DATE	BY	REVISIONS	ENG.
C	2024.03.21	HL	ISSUED FOR TENDER	AG
PB	2023.12.13	HL	ISSUED FOR DETAILED DESIGN	AG
PA	2023.10.27	HL	ISSUED FOR PRELIMINARY DESIGN	AG

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HORIZ 1:100 SCALE VERT. 1:100
SHEET 17 OF 17
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PROJECT 2024 SIDEWALK PROGRAM
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SCHOOLHOUSE STREET - STA. 1+580 TO STA. 1+800

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