



**Public Services and
Procurement Canada**

**Services publics et
Approvisionnement Canada**

**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

**ALASKA HIGHWAY
BRITISH COLUMBIA**

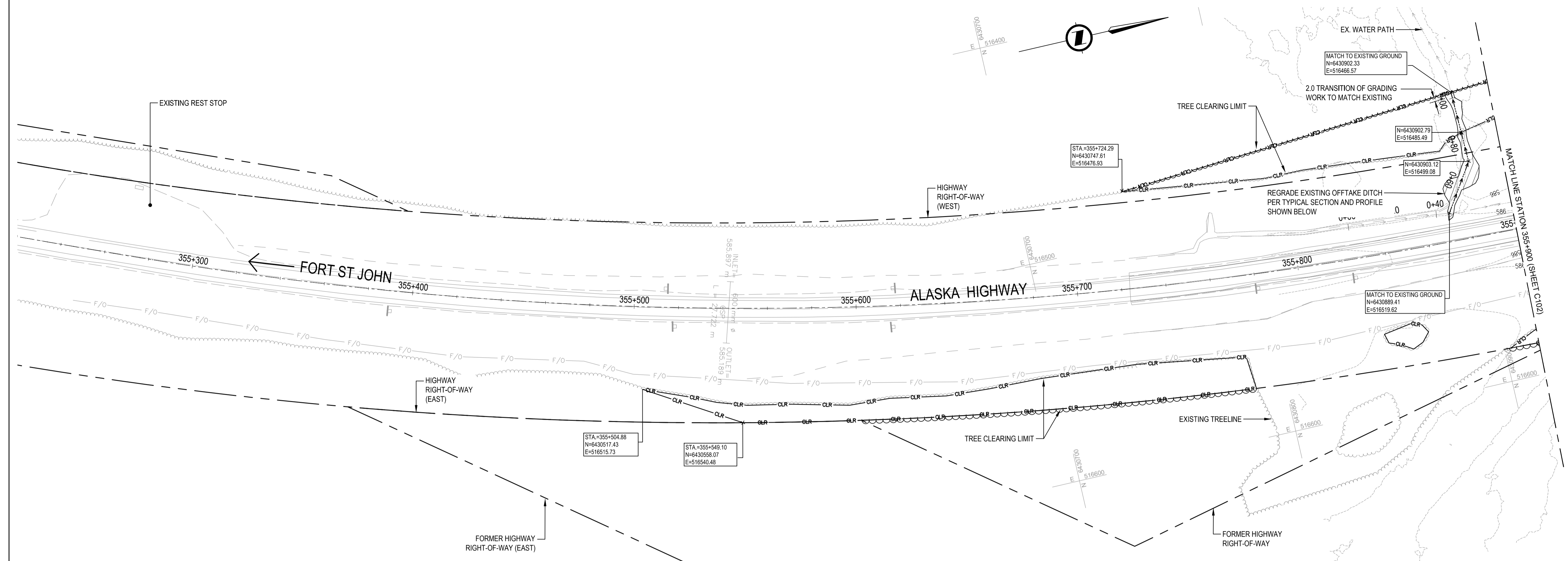


PROJECT No. R.119901.002

**ISSUED FOR TENDER
SEPTEMBER 2020**

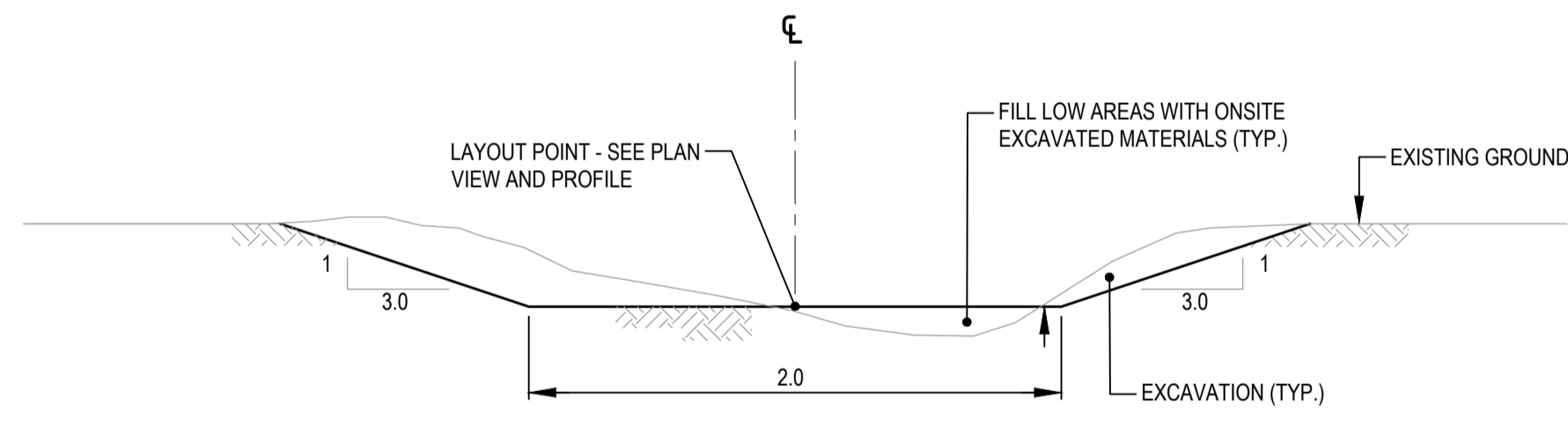
ISSUED FOR TENDER

- GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS TO BE HYDRAULIC SEEDED, INCLUDING TREE CLEARING AREA.

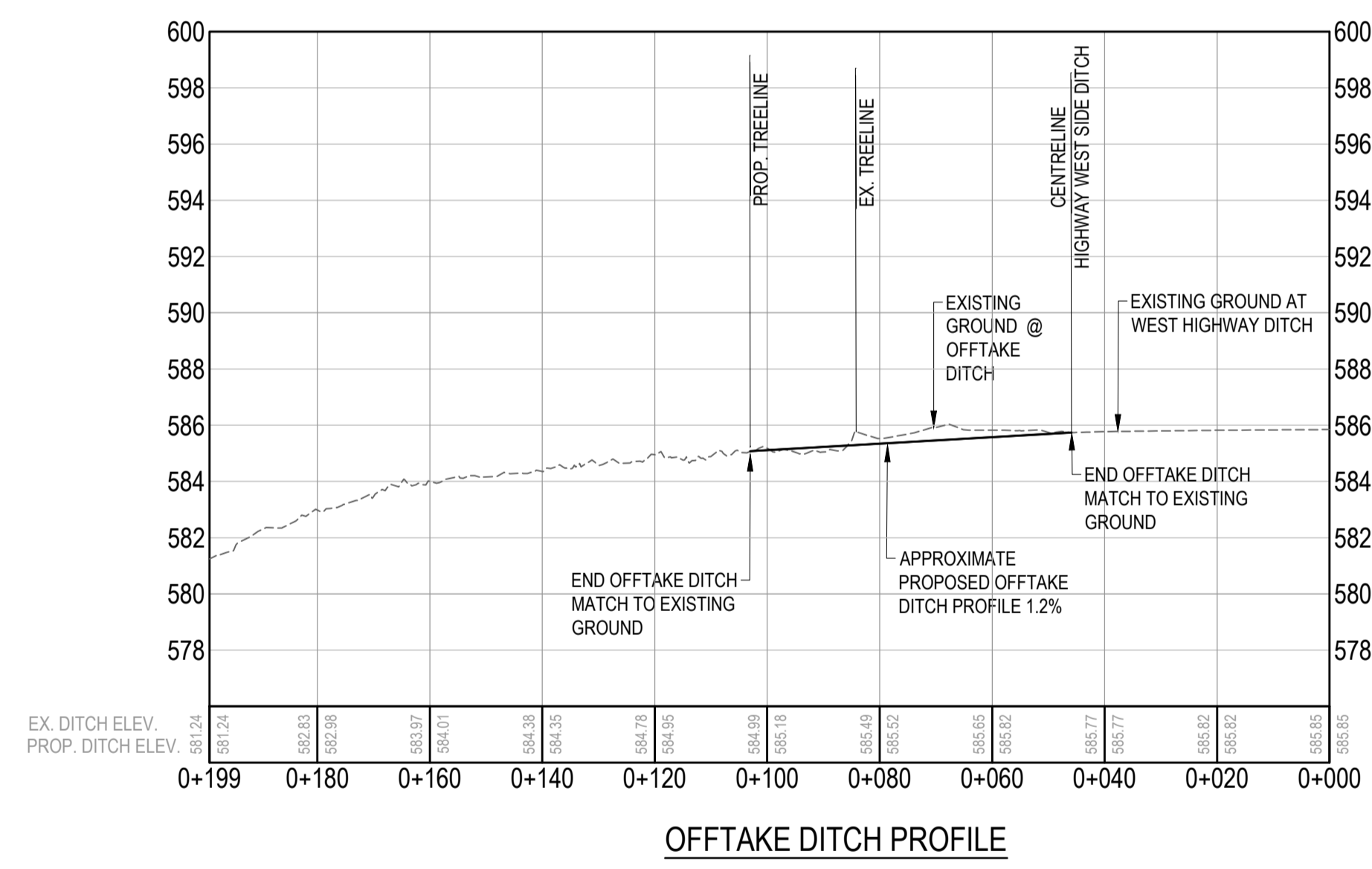


ESTIMATED CONSTRUCTION QUANTITIES THIS SHEET
 (FOR REFERENCE ONLY)

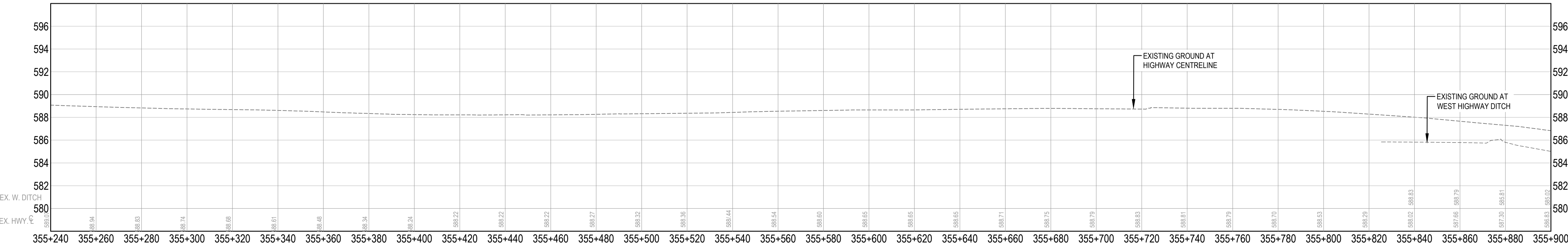
OPERATION	QUANTITY
TREE CLEARING	12,180 m ²
HYDRAULIC SEEDING	12,470 m ²
OFFTAKE DITCH EXCAVATION	60 m ³



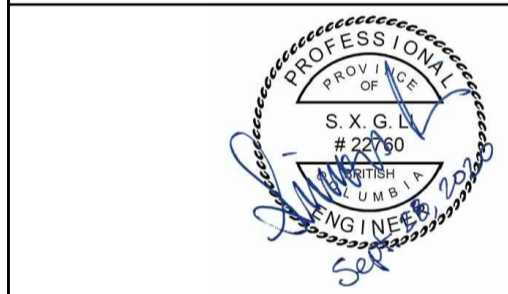
TYPICAL OFFTAKE DITCH SECTION
 1:25



OFFTAKE DITCH PROFILE



EXISTING HIGHWAY CENTRELINE PROFILE



A	ISSUED FOR TENDER	20/09/28
Revision/	Description/Description	Date/Date
Client/client		

PUBLIC SERVICES AND PROCUREMENT CANADA



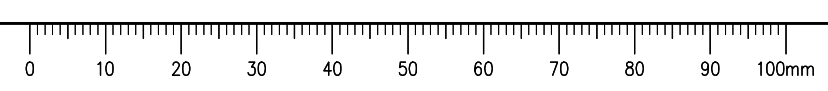
Project Title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approve par
S. LI
 Designed by/Concept par
H. ONG / A. HORWOOD
 Drawn by/Dessine par
H. ONG
 PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
 PSPC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC
 Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA
 Drawing Title/Titre du dessin

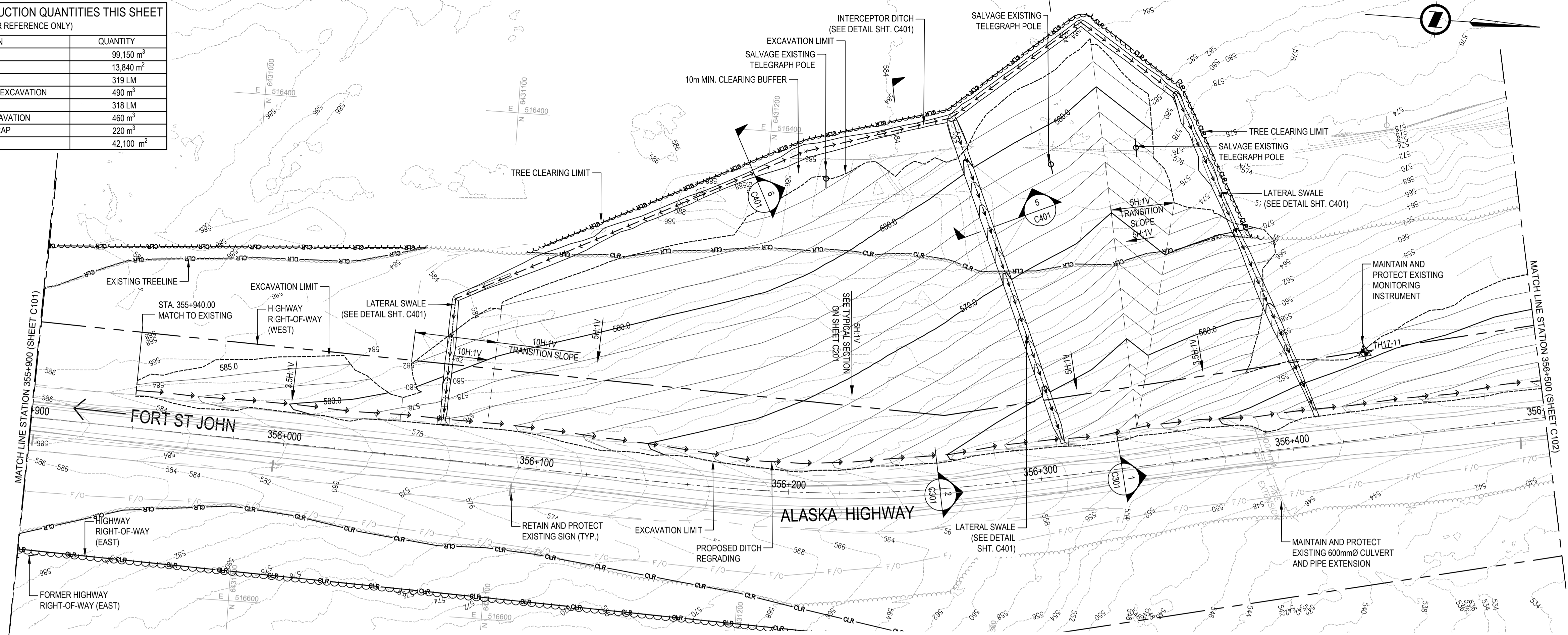
PLAN - PROFILE OFFTAKE DITCH REGRAVING AND TREE CLEARING STA. 355+220 - 355+900

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.119901.002	C101	A

E:\03084\300 - CAD\03084\PLAN & PROFILES.dwg [C101] September 28, 2020 - 2:53:44 pm (BY: ONG, HENNY)

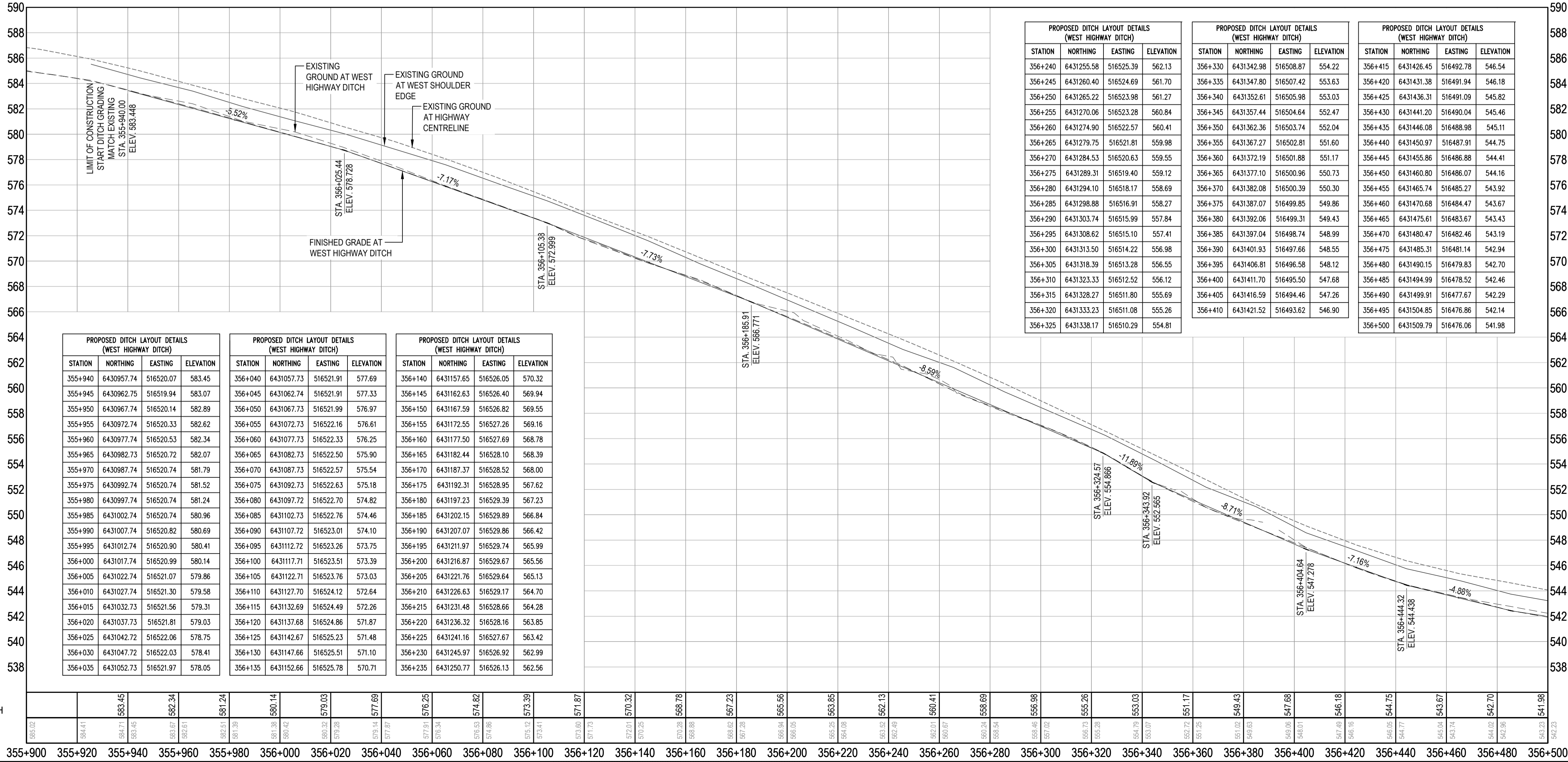
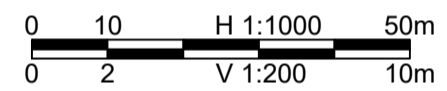
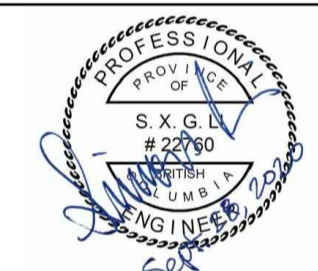


ESTIMATED CONSTRUCTION QUANTITIES THIS SHEET (FOR REFERENCE ONLY)	
OPERATION	QUANTITY
EXCAVATION	99,150 m ³
TREE CLEARING	13,840 m ²
INTERCEPTOR DITCH	319 LM
INTERCEPTOR DITCH - EXCAVATION	490 m ²
LATERAL SWALE	318 LM
LATERAL SWALE - EXCAVATION	460 m ²
LATERAL SWALE - RIPRAP	220 m ³
HYDRAULIC SEEDING	42,100 m ²



ISSUED FOR TENDER

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PROPOSED DITCH LAYOUT DETAILS (WEST HIGHWAY DITCH)				PROPOSED DITCH LAYOUT DETAILS (WEST HIGHWAY DITCH)				PROPOSED DITCH LAYOUT DETAILS (WEST HIGHWAY DITCH)			
STATION	NORTHING	EASTING	ELEVATION	STATION	NORTHING	EASTING	ELEVATION	STATION	NORTHING	EASTING	ELEVATION
355+940	6430957.74	516520.07	583.45	356+040	6431057.73	516521.91	577.69	356+140	6431157.65	516526.05	570.32
355+945	6430962.75	516519.94	583.07	356+045	6431062.74	516521.91	577.33	356+145	6431162.63	516526.40	569.94
355+950	6430967.74	516520.14	582.89	356+050	6431067.73	516521.99	576.97	356+150	6431167.59	516526.82	569.55
355+955	6430972.74	516520.33	582.62	356+055	6431072.73	516522.16	576.61	356+155	6431172.55	516527.28	569.16
355+960	6430977.74	516520.53	582.34	356+060	6431077.73	516522.33	576.25	356+160	6431177.50	516527.69	568.78
355+965	6430982.73	516520.72	582.07	356+065	6431082.73	516522.50	575.90	356+165	6431182.44	516528.10	568.39
355+970	6430987.74	516520.74	581.79	356+070	6431087.73	516522.57	575.54	356+170	6431187.37	516528.52	568.00
355+975	6430992.74	516520.74	581.52	356+075	6431092.73	516522.63	575.18	356+175	6431192.31	516528.95	567.62
355+980	6430997.74	516520.74	581.24	356+080	6431097.72	516522.70	574.82	356+180	6431197.23	516529.39	567.23
355+985	6431002.74	516520.74	580.96	356+085	6431102.73	516522.76	574.46	356+185	6431202.15	516529.89	566.84
355+990	6431007.74	516520.82	580.69	356+090	6431107.72	516523.01	574.10	356+190	6431207.07	516529.86	566.42
355+995	6431012.74	516520.90	580.41	356+095	6431112.72	516523.26	573.75	356+195	6431211.97	516529.74	566.00
356+000	6431017.74	516520.99	580.14	356+100	6431117.71	516523.51	573.39	356+200	6431216.87	516529.67	565.56
356+005	6431022.74	516521.07	579.86	356+105	6431122.71	516523.76	573.03	356+205	6431221.76	516529.64	565.13
356+010	6431027.74	516521.30	579.58	356+110	6431127.70	516524.12	572.64	356+210	6431226.63	516529.17	564.70
356+015	6431032.73	516521.56	579.31	356+115	6431132.69	516524.49	572.26	356+215	6431231.48	516528.66	564.28
356+020	6431037.73	516521.81	579.03	356+120	6431137.68	516524.86	571.87	356+220	6431236.32	516528.16	563.85
356+025	6431042.72	516522.06	578.75	356+125	6431142.67	516525.23	571.48	356+225	6431241.16	516527.67	563.42
356+030	6431047.72	516522.03	578.41	356+130	6431147.66	516525.51	571.10	356+230	6431245.97	516527.17	562.99
356+035	6431052.73	516521.97	578.05	356+135	6431152.66	516525.78	570.71	356+235	6431250.77	516526.13	562.56

Revision/Revisão	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/Client: **PUBLIC SERVICES AND PROCUREMENT CANADA**



Project Title/Titre du projet: **KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION**

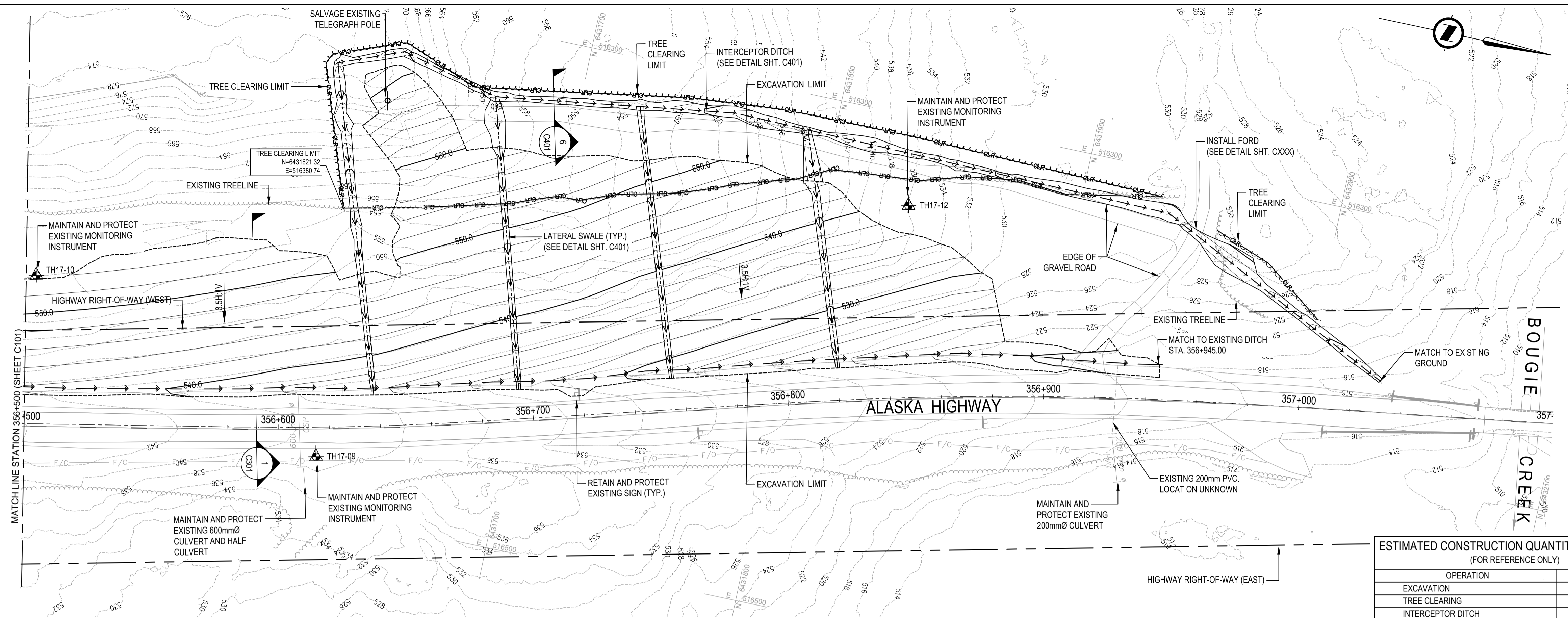
Approved by/Approve par: **S. LI**
 Designed by/Concept par: **H. ONG / A. HORWOOD**
 Drawn by/Dessiné par: **H. ONG**
 P.S.P.C. Project Manager/Administrateur de Projets SPAC: **A. TAHERI**
 P.S.P.C. Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/Client: **PUBLIC SERVICES AND PROCUREMENT CANADA**
 Drawing Title/Titre du dessin: **PLAN - PROFILE CUT SLOPE REGRADING STA. 355+900 - 356+500**

Project No./No. du projet	Sheet/Feuille	Revision No./La Révision
R.119901.002	C102	A

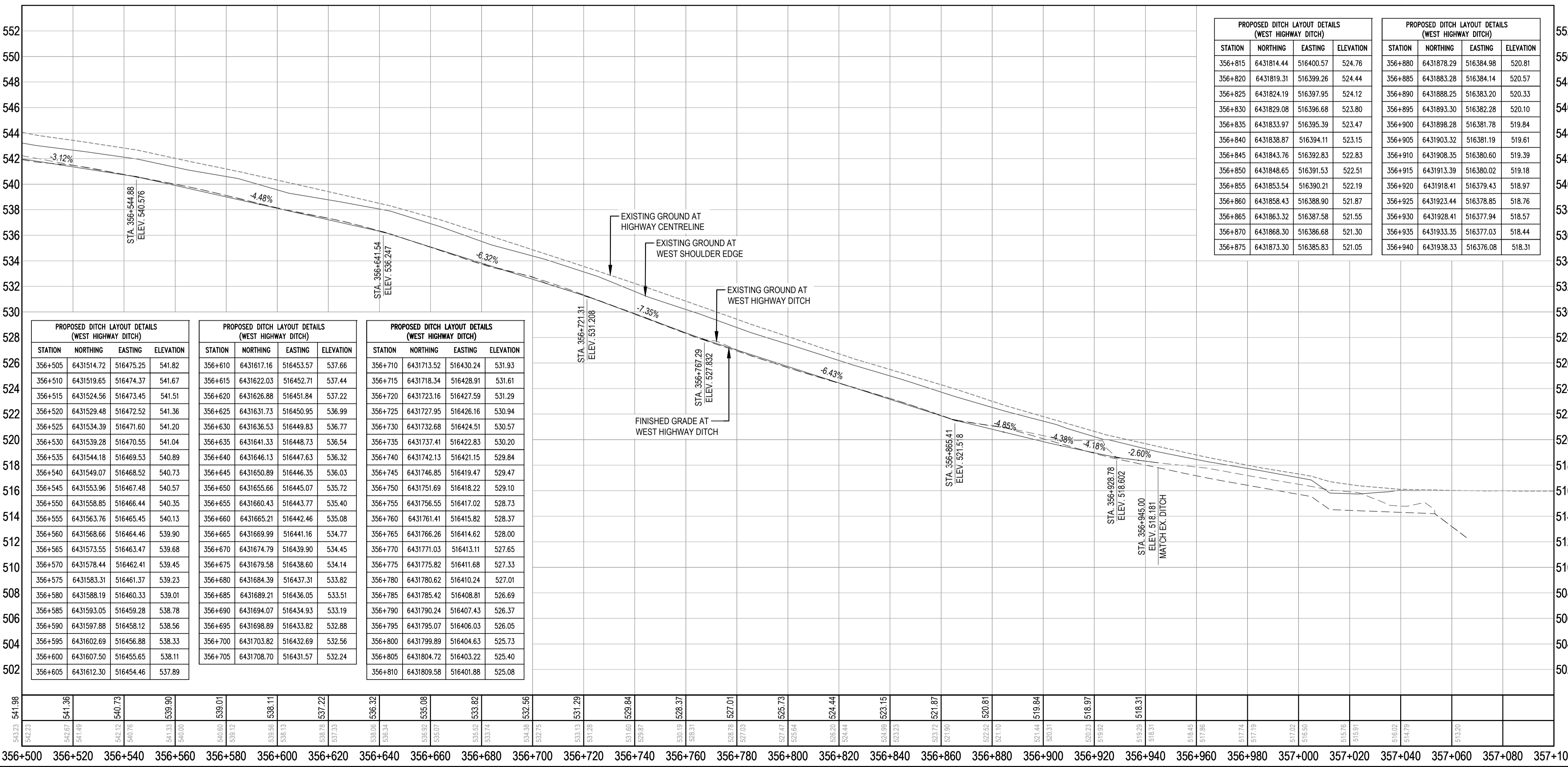
ISSUED FOR TENDER

- GENERAL NOTES:
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ESTIMATED CONSTRUCTION QUANTITIES THIS SHEET (FOR REFERENCE ONLY)

OPERATION	QUANTITY
EXCAVATION	56,360 m ³
TREE CLEARING	9,960 m ²
INTERCEPTOR DITCH	441 LM
INTERCEPTOR DITCH - EXCAVATION	970 m ³
LATERAL SWALE	447 LM
LATERAL SWALE - EXCAVATION	580 m ³
LATERAL SWALE - RIPRAP	270 m ³
HYDRAULIC SEEDING	32,400 m ²

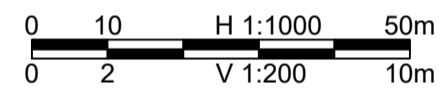


PROPOSED DITCH LAYOUT DETAILS (WEST HIGHWAY DITCH)

STATION	NORTHING	EASTING	ELEVATION
356+815	6431814.44	516400.57	524.76
356+820	6431819.31	516399.26	524.44
356+825	6431824.19	516397.95	524.12
356+830	6431829.08	516396.68	523.80
356+835	6431833.97	516395.39	523.47
356+840	6431838.87	516394.11	523.15
356+845	6431843.76	516392.83	522.83
356+850	6431848.65	516391.53	522.51
356+855	6431853.54	516390.21	522.19
356+860	6431858.43	516388.90	521.87
356+865	6431863.32	516387.58	521.55
356+870	6431868.30	516386.68	521.30
356+875	6431873.30	516385.83	521.05

PROPOSED DITCH LAYOUT DETAILS (WEST HIGHWAY DITCH)

STATION	NORTHING	EASTING	ELEVATION
356+505	6431514.72	516475.25	541.82
356+510	6431519.65	516474.37	541.67
356+515	6431524.56	516473.45	541.51
356+520	6431529.48	516472.52	541.36
356+525	6431534.39	516471.60	541.20
356+530	6431539.28	516470.55	541.04
356+535	6431544.18	516469.53	540.89
356+540	6431549.07	516468.52	540.73
356+545	6431553.96	516467.48	540.57
356+550	6431558.85	516466.44	540.35
356+555	6431563.76	516465.45	540.13
356+560	6431568.66	516464.46	539.90
356+565	6431573.55	516463.47	539.68
356+570	6431578.44	516462.41	539.45
356+575	6431583.31	516461.37	539.23
356+580	6431588.19	516460.33	539.01
356+585	6431593.05	516459.28	538.78
356+590	6431597.88	516458.12	538.56
356+595	6431602.69	516456.88	538.33
356+600	6431607.50	516455.65	538.11
356+605	6431612.30	516454.46	537.89



Revision/Revisión	ISSUED FOR TENDER	20/09/28
Client/Client		

PUBLIC SERVICES AND PROCUREMENT CANADA



Project Title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

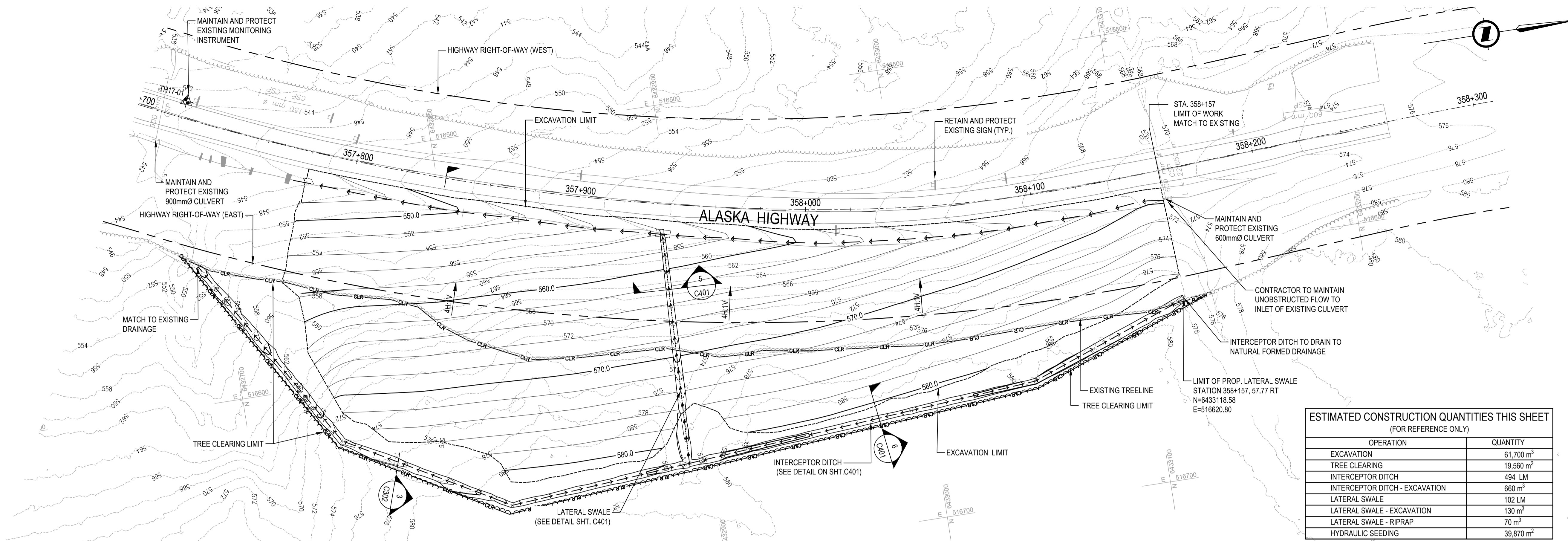
Approved by/Approve par
S. LI
Designed by/Concept par
H. ONG / A. HORWOOD
Drawn by/Dessine par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/Client
PUBLIC SERVICES AND PROCUREMENT CANADA

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C103	A

ISSUED FOR TENDER

- GENERAL NOTES:
- DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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ESTIMATED CONSTRUCTION QUANTITIES THIS SHEET (FOR REFERENCE ONLY)	
OPERATION	QUANTITY
EXCAVATION	61,700 m ³
TREE CLEARING	19,560 m ²
INTERCEPTOR DITCH	494 LM
INTERCEPTOR DITCH - EXCAVATION	660 m ³
LATERAL SWALE	102 LM
LATERAL SWALE - EXCAVATION	130 m ³
LATERAL SWALE - RIPRAP	70 m ³
HYDRAULIC SEEDING	39,870 m ²



Revision/	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client: PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet:
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par:
S. LI

Designed by/Concepté par:
H. ONG / A. HORWOOD

Drawn by/Dessiné par:
H. ONG

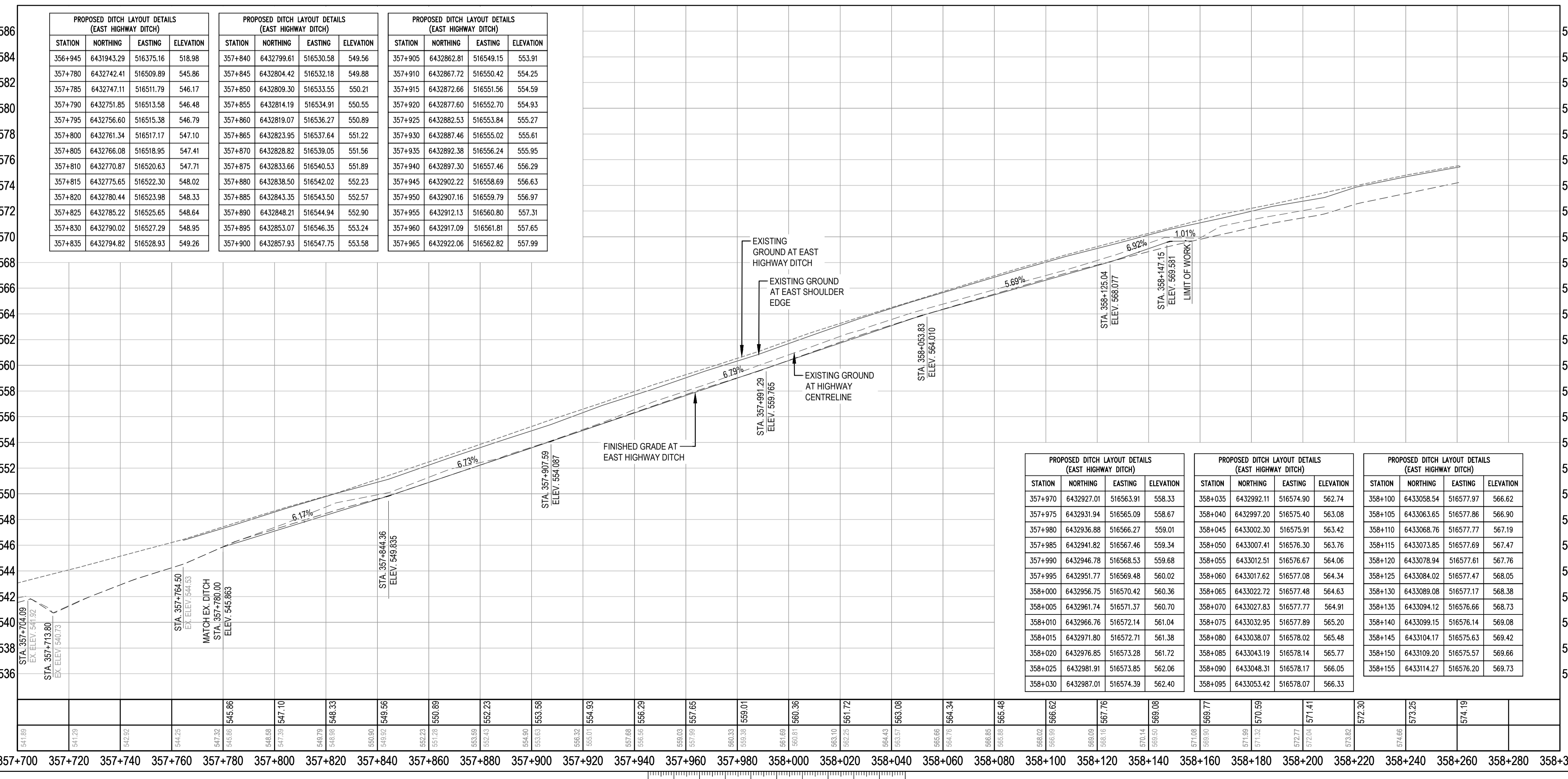
PSPC Project Manager/Administrateur de Projets SPAC:
A. TAHERI

PSPC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, SPAC

Client/client:
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin:
PLAN - PROFILE CUT SLOPE REGRADING STA. 357+700 - 358+300

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C104	A



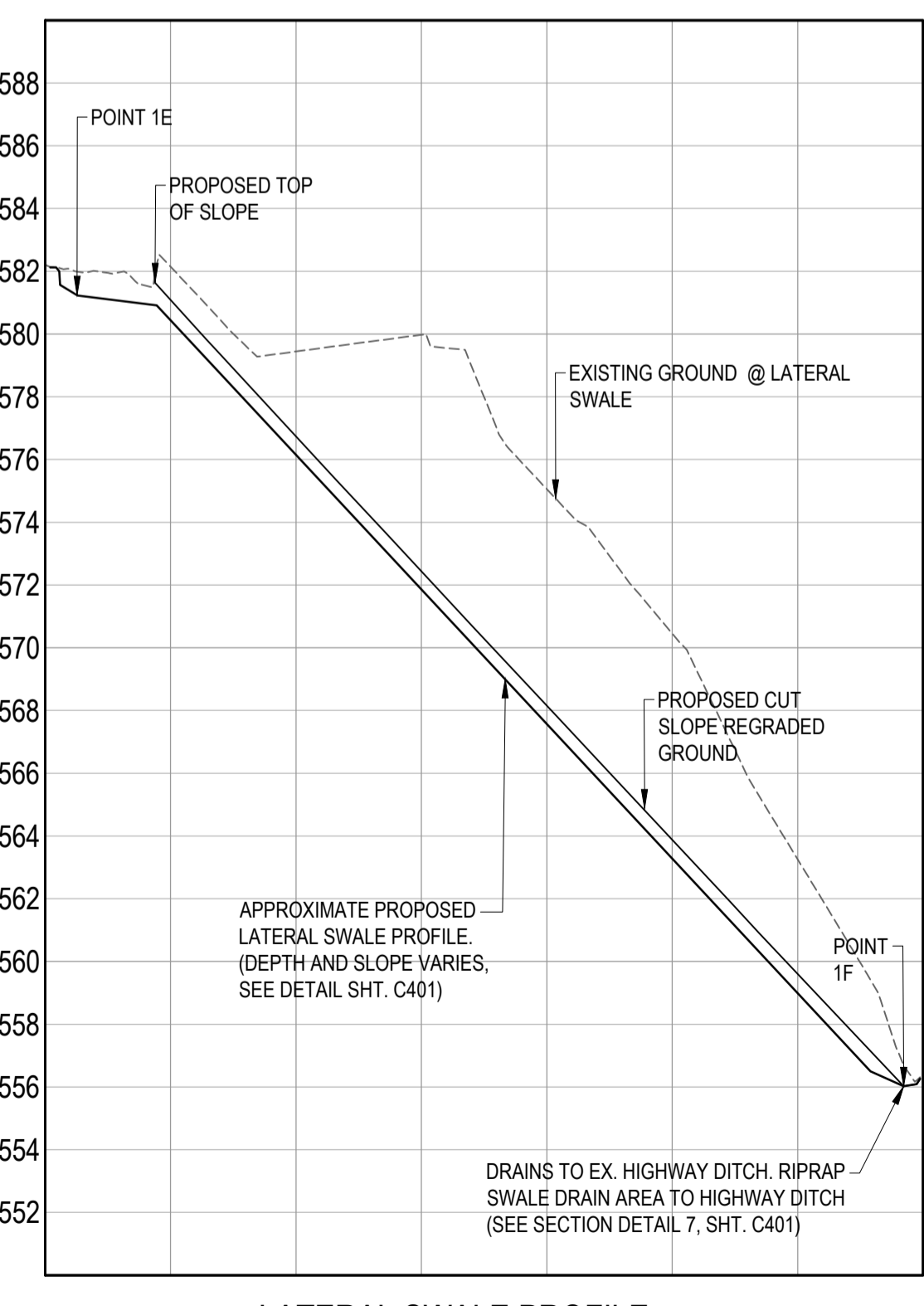
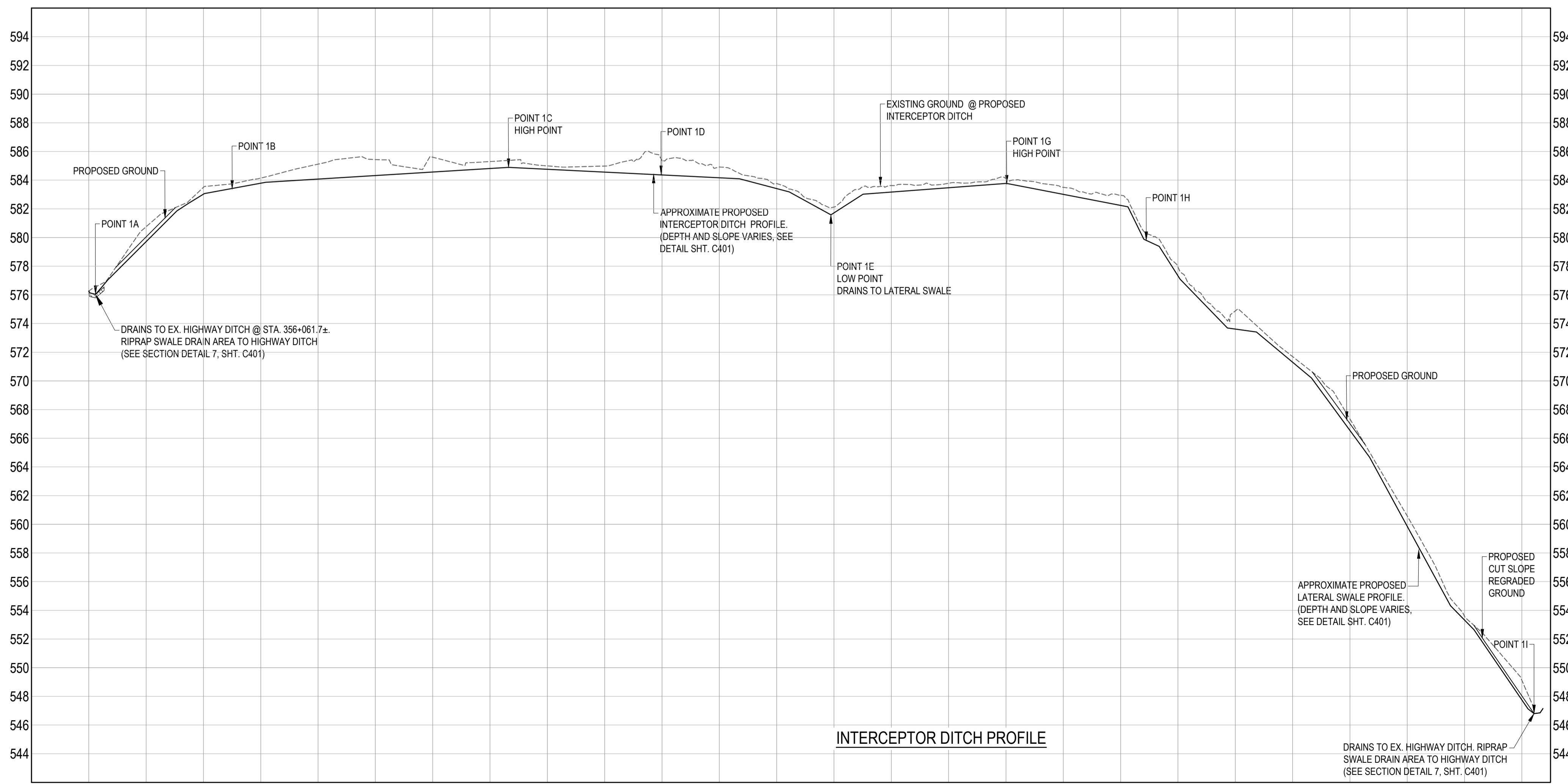
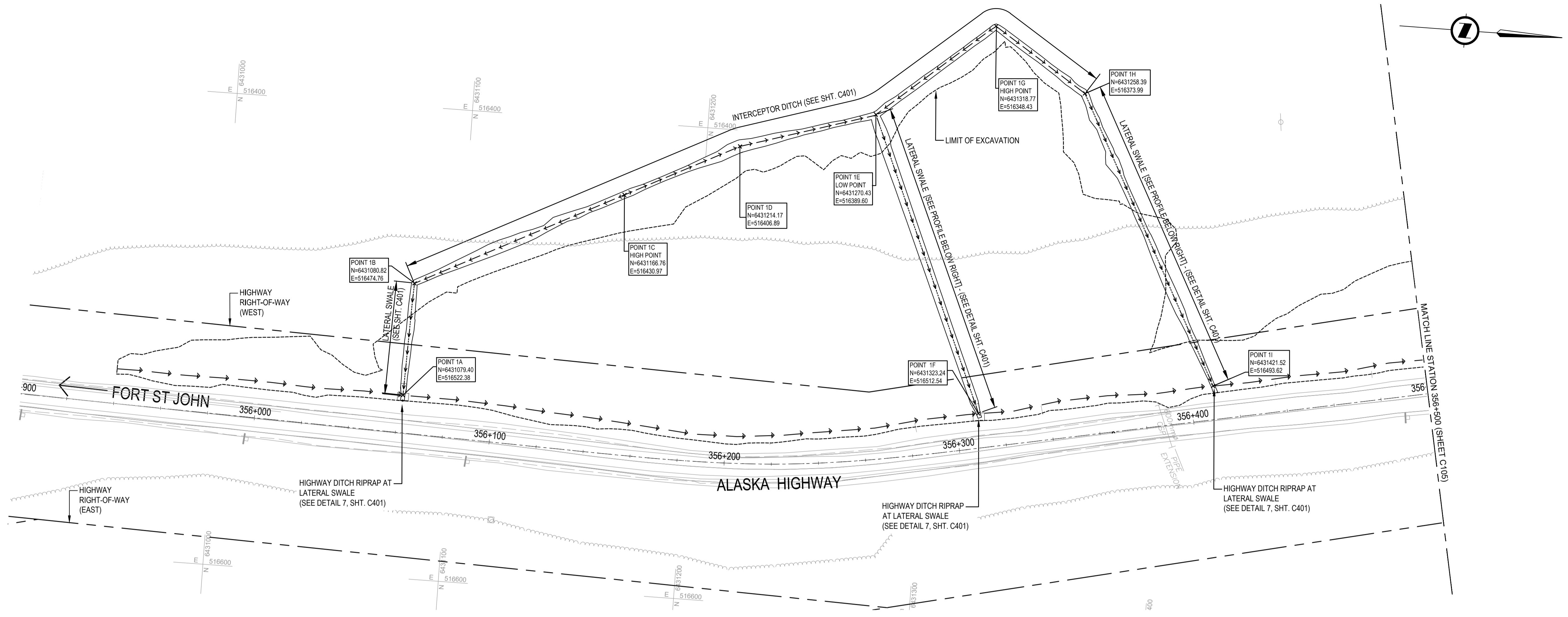
PROPOSED DITCH LAYOUT DETAILS (EAST HIGHWAY DITCH)				PROPOSED DITCH LAYOUT DETAILS (EAST HIGHWAY DITCH)				PROPOSED DITCH LAYOUT DETAILS (EAST HIGHWAY DITCH)			
STATION	NORTHING	EASTING	ELEVATION	STATION	NORTHING	EASTING	ELEVATION	STATION	NORTHING	EASTING	ELEVATION
356+945	6431943.29	516375.16	518.98	357+845	6432804.42	516532.18	549.88	357+905	6432862.81	516549.15	553.91
357+780	6432742.41	516509.89	545.86	357+850	6432809.30	516533.55	550.21	357+915	6432872.66	516551.56	554.59
357+785	6432747.11	516511.79	546.17	357+855	6432814.19	516534.91	550.55	357+920	6432877.60	516552.70	554.93
357+790	6432751.85	516513.58	546.48	357+860	6432819.07	516536.27	550.89	357+925	6432882.53	516553.84	555.27
357+795	6432756.60	516515.38	546.79	357+865	6432823.95	516537.64	551.22	357+930	6432887.46	516555.02	555.61
357+800	6432761.34	516517.17	547.10	357+870	6432828.82	516539.05	551.56	357+935	6432892.38	516556.24	555.95
357+805	6432766.08	516518.95	547.41	357+875	6432833.66	516540.53	551.89	357+940	6432897.30	516557.46	556.29
357+810	6432770.87	516520.63	547.71	357+880	6432838.50	516542.02	552.23	357+945	6432902.22	516558.69	556.63
357+815	6432775.65	516522.30	548.02	357+885	6432843.35	516543.50	552.57	357+950	6432907.16	516559.79	556.97
357+820	6432780.44	516523.98	548.33	357+890	6432848.21	516544.94	552.90	357+955	6432912.13	516560.80	557.31
357+825	6432785.22	516525.65	548.64	357+895	6432853.07	516546.35	553.24	357+960	6432917.09	516561.81	557.65
357+830	6432790.02	516527.29	548.95	357+900	6432857.93	516547.75	553.58	357+965	6432922.06	516562.82	557.99
357+835	6432794.82	516528.93	549.26								

PROPOSED DITCH LAYOUT DETAILS (EAST HIGHWAY DITCH)				PROPOSED DITCH LAYOUT DETAILS (EAST HIGHWAY DITCH)				PROPOSED DITCH LAYOUT DETAILS (EAST HIGHWAY DITCH)			
STATION	NORTHING	EASTING	ELEVATION	STATION	NORTHING	EASTING	ELEVATION	STATION	NORTHING	EASTING	ELEVATION
357+970	6432927.01	516563.91	558.33	358+035	6432992.11	516574.90	562.74	358+100	6433058.54	516577.97	566.62
357+975	6432931.94	516565.09	558.67	358+040	6432997.20	516575.40	563.08	358+105	6433063.65	516577.86	566.90
357+980	6432936.88	516566.27	559.01	358+045	6433002.30	516575.91	563.42	358+110	6433068.76	516577.77	567.19
357+985	6432941.82	516567.46	559.34	358+050	6433007.41	516576.30	563.76	358+115	6433073.85	516577.69	567.47
357+990	6432946.78	516568.63	559.68	358+055	6433012.51	516576.67	564.06	358+120	6433078.94	516577.61	567.76
357+995	6432951.77	516569.81	560.02	358+060	6433017.62	516577.08	564.34	358+125	6433084.02	516577.47	568.05
358+000	6432956.75	516570.42	560.36	358+065	6433022.72	516577.48	564.63	358+130	6433089.08	516577.17	568.38
358+005	6432961.74	516571.37	560.70	358+070	6433027.83	516577.77	564.91	358+135	6433094.12	516576.86	568.73
358+010	6432966.76	516572.14	561.04	358+075	6433032.95	516577.89	565.20	358+140	6433099.15	516576.14	569.08
358+015	6432971.80	516572.71	561.38	358+080	6433038.07	516578.02	565.48	358+145	6433104.17	516575.63	569.42
358+020	6432976.85	516573.28	561.72	358+085	6433043.19	516578.14	565.77	358+150	6433109.20	516575.57	569.66
358+025	6432981.91	516573.85	562.06	358+090	6433048.31	516578.17	566.05	358+155	6433114.27	516576.20	569.73
358+030	6432987.01	516574.39	562.40	358+095	6433053.42	516578.07	566.33				

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ISSUED FOR TENDER

- GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS TO BE HYDRAULIC SEEDED, INCLUDING TREE CLEARING AREA.



Revision/Revisión	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

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KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

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 P.S.P.C. Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

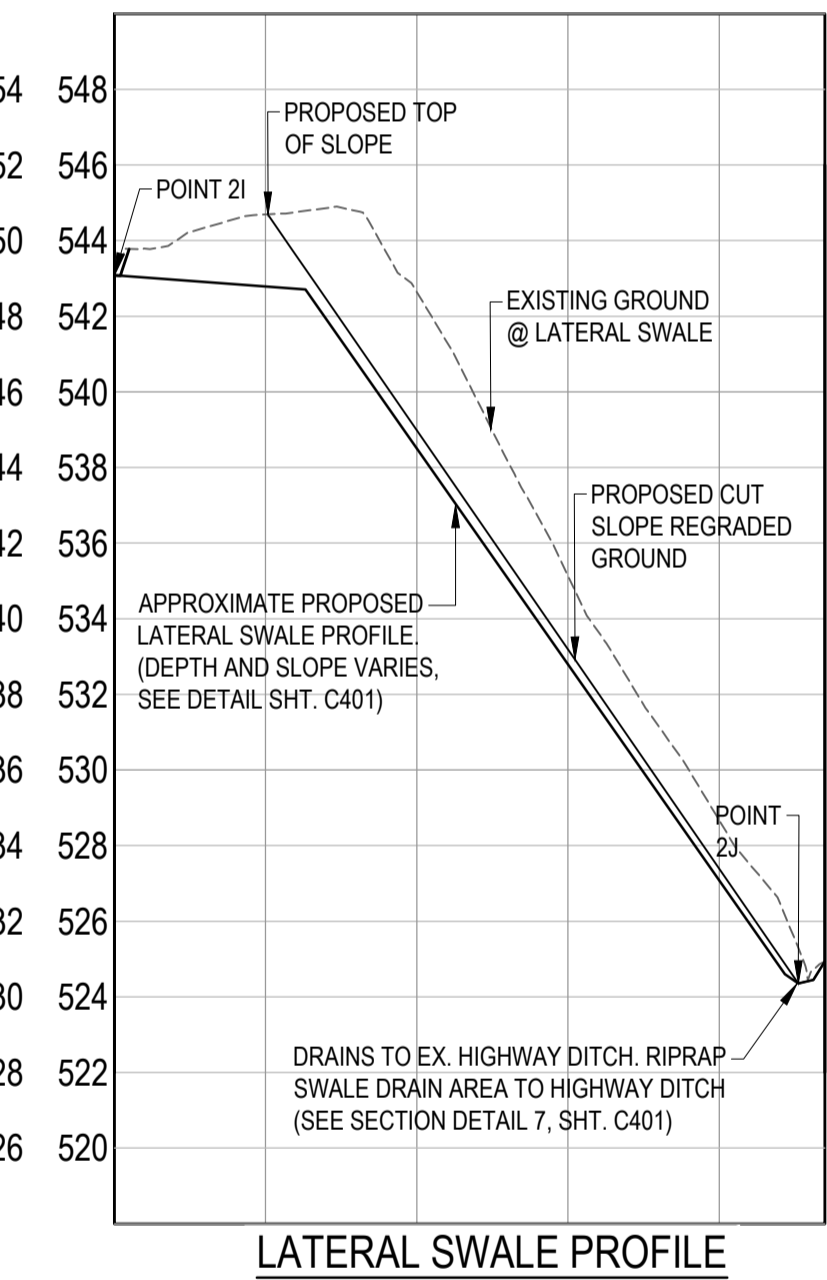
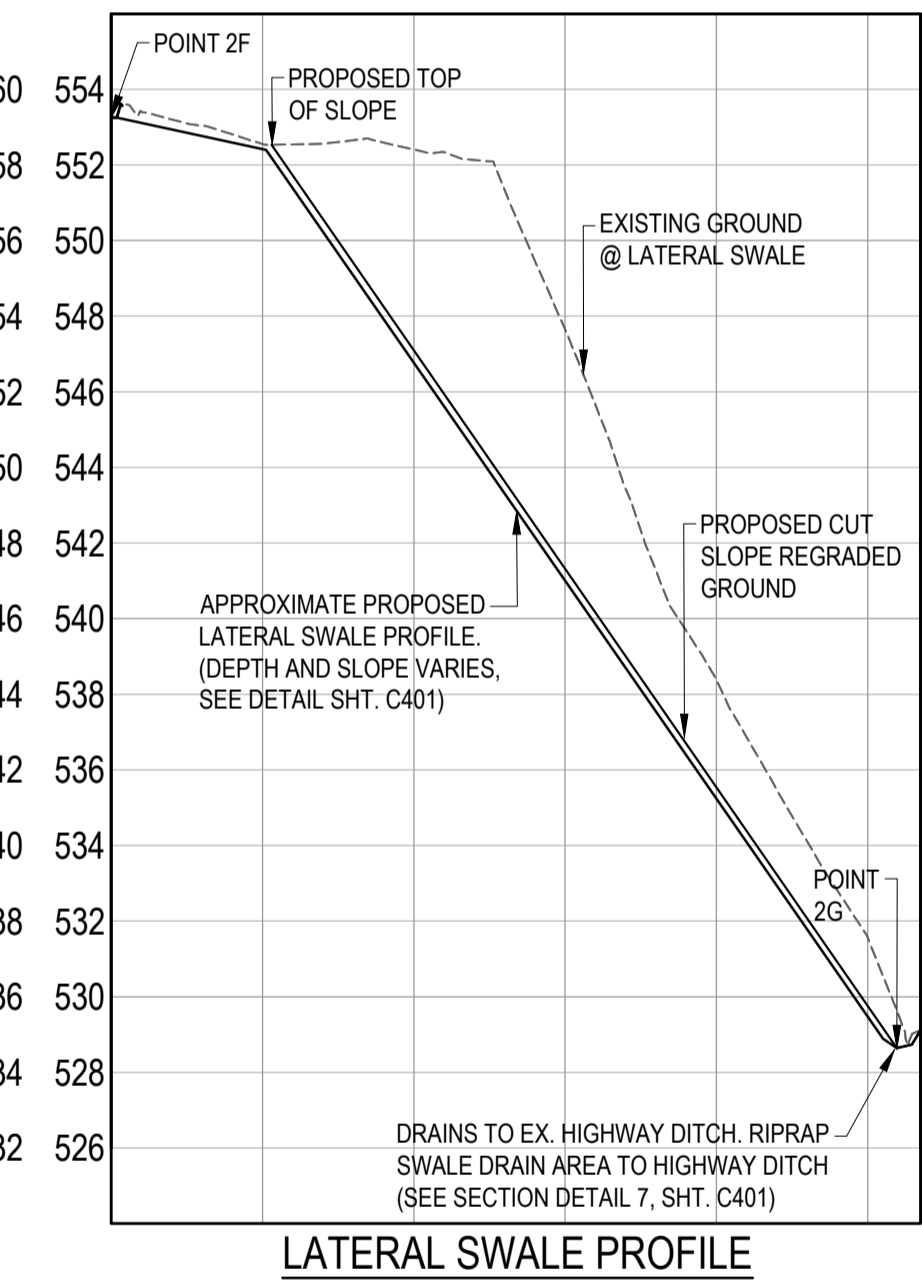
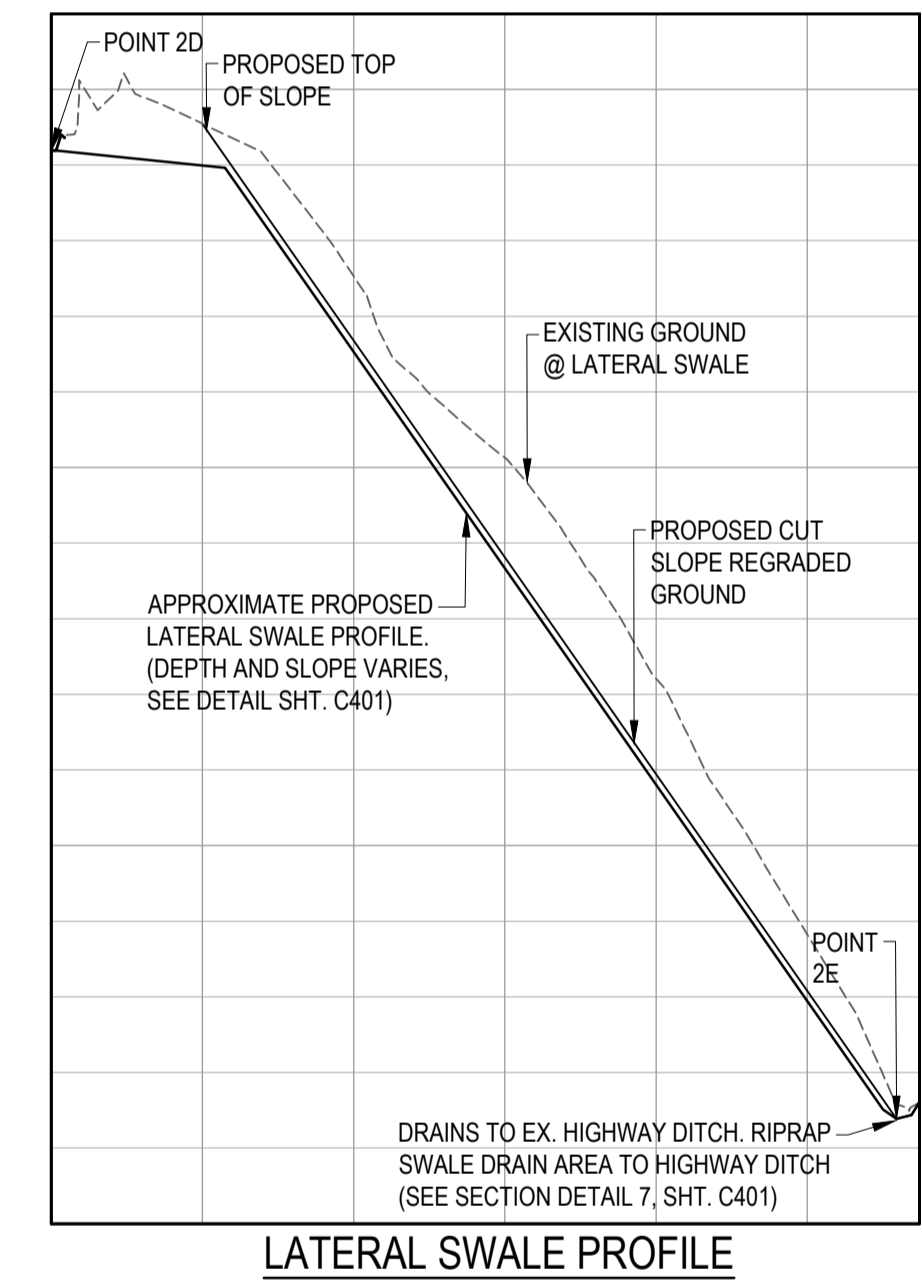
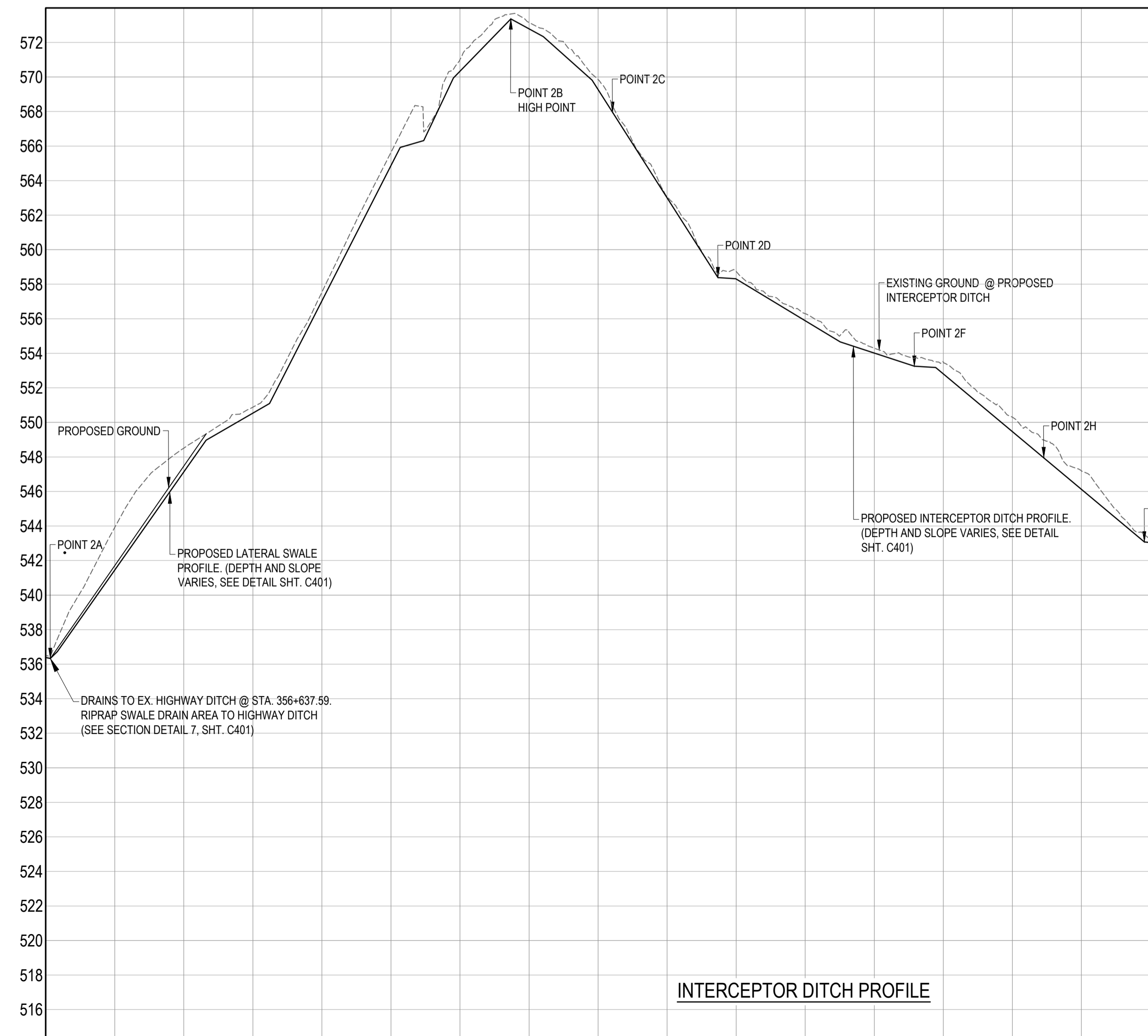
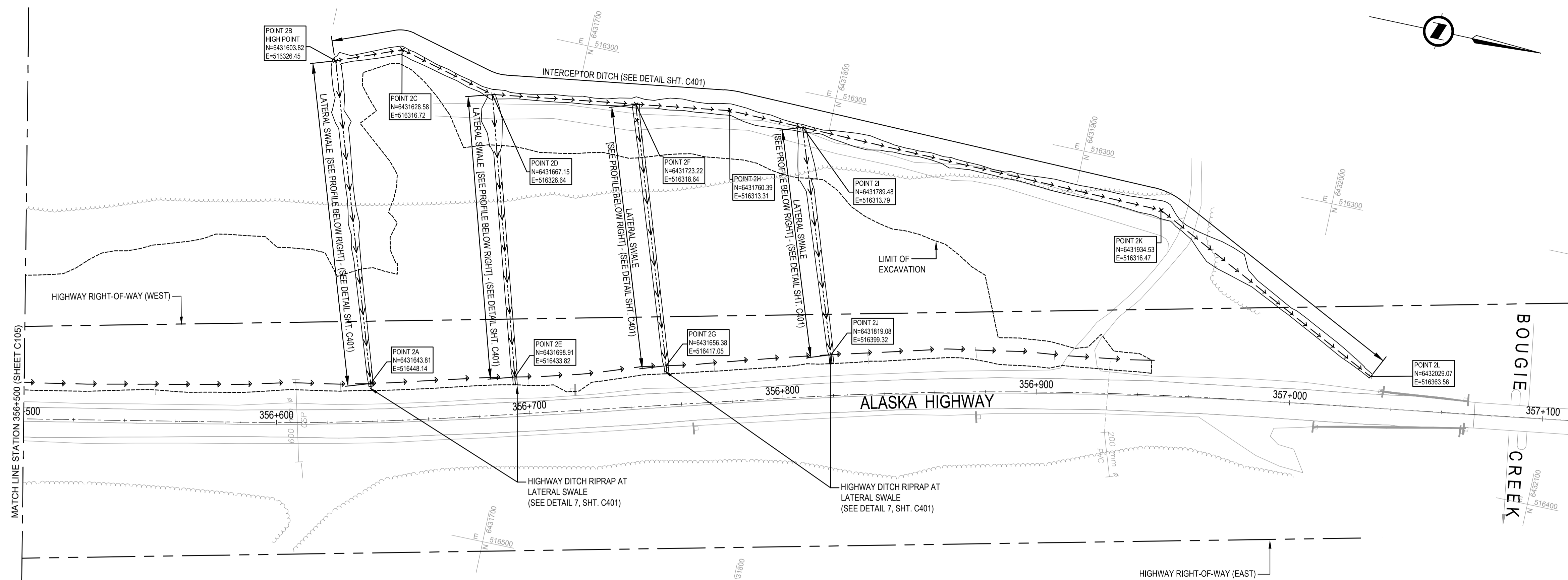
Client/Client
PUBLIC SERVICES AND PROCUREMENT CANADA
 Drawing Title/Titre du dessin
PLAN - PROFILE INTERCEPTOR DITCH AND LATERAL SWALE STA. 355+900 - 356+500

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C201	A

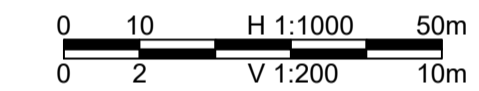
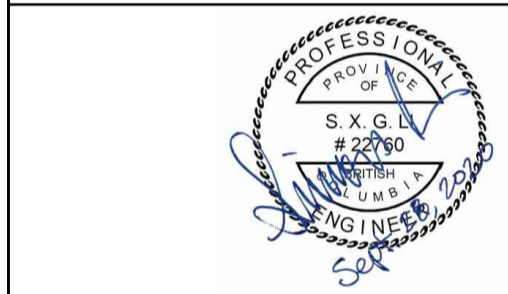
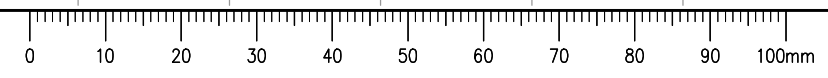
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ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS TO BE HYDRAULIC SEEDED, INCLUDING TREE CLEARING AREA.



E:\03084\300 - CAD\03084.PLAN & PROFILES.dwg [C202] September 29, 2020 - 3:00:24 pm (BY: ONG, HENNY)



A	ISSUED FOR TENDER	20/09/28
Revision/Revisión	Description/Description	Date/Date
Client/Client		

PUBLIC SERVICES AND PROCUREMENT CANADA



Project Title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par
S. LI

Designed by/Concepté par
H. ONG / A. HORWOOD

Drawn by/Dessiné par
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI

PSPC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, SPAC

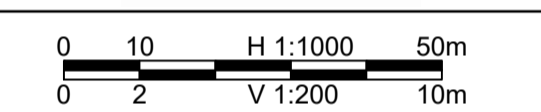
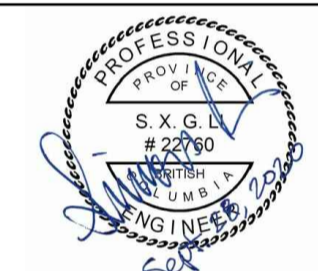
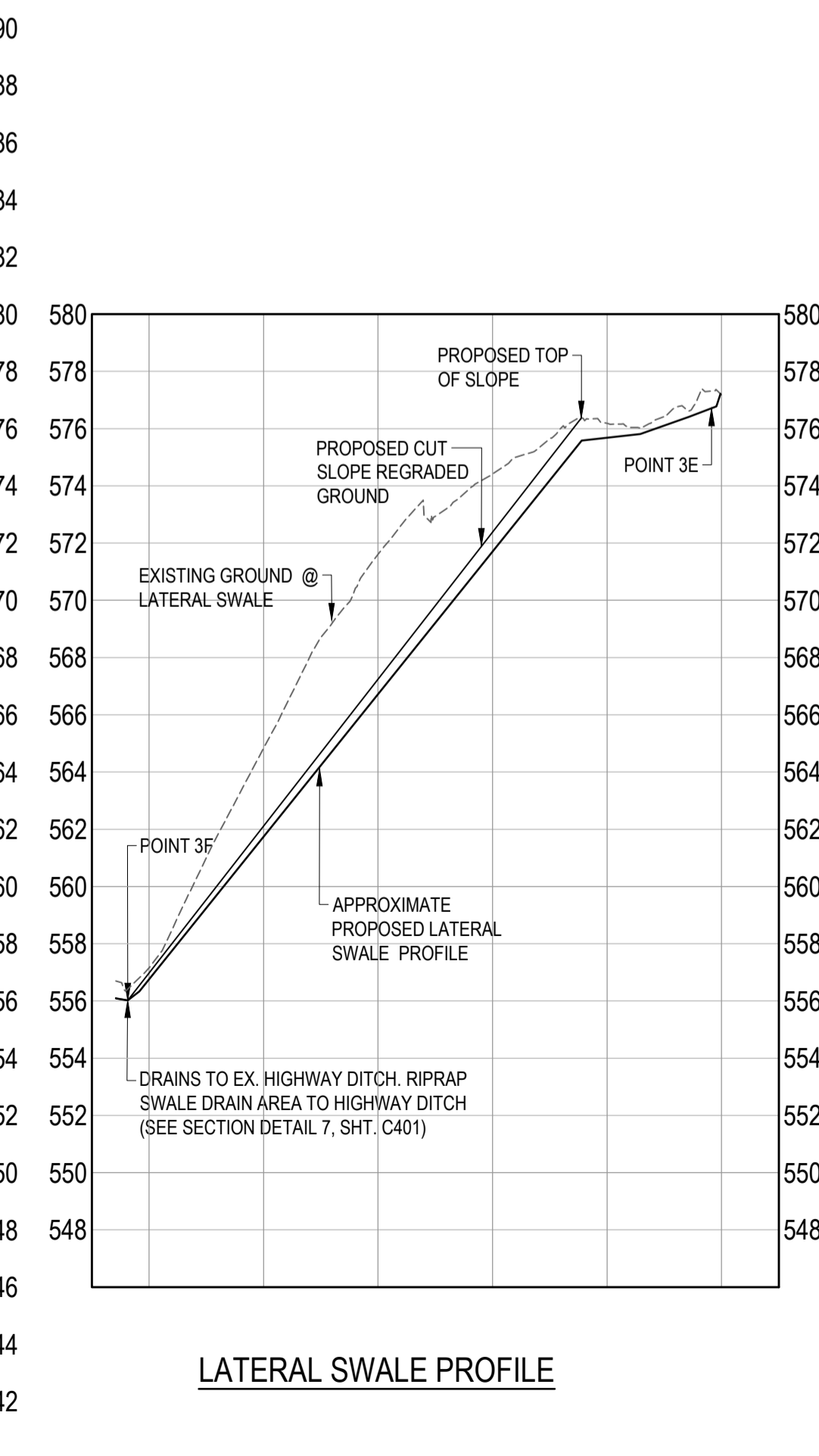
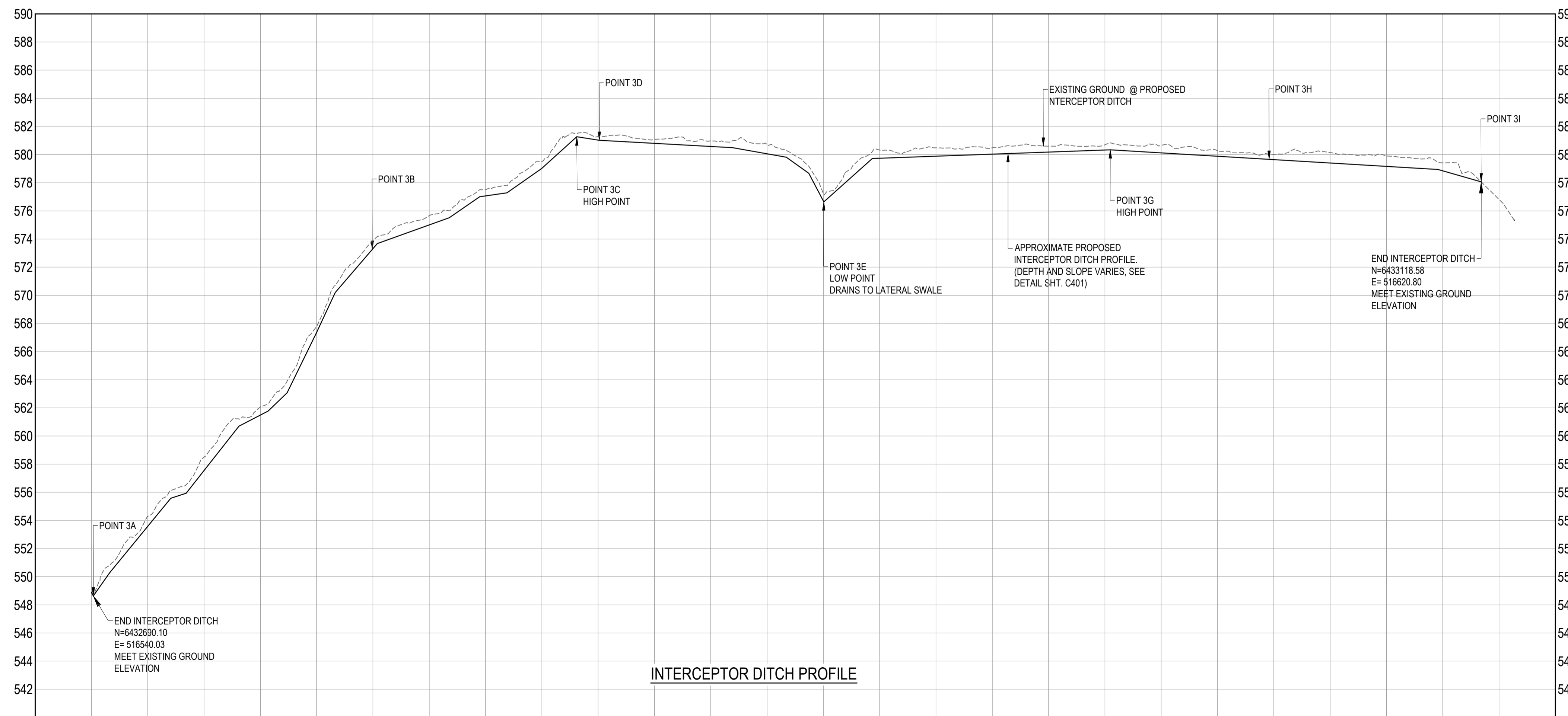
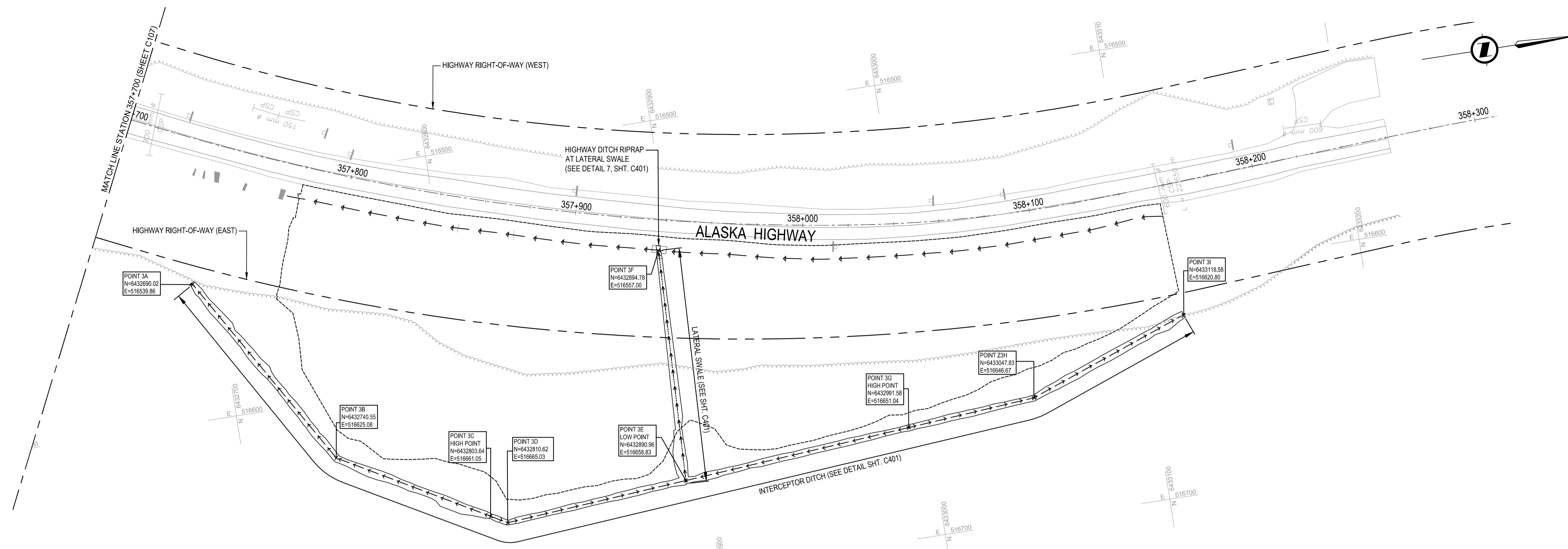
Client/Client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing Title/Titre du dessin
PLAN - PROFILE INTERCEPTOR DITCH AND LATERAL SWALE STA. 356+500 - 357+100

Project No./No. du projet R.119901.002	Sheet/Feuille C202	Revision no./La Révision no. A
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ISSUED FOR TENDER

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Revision/Revisión	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



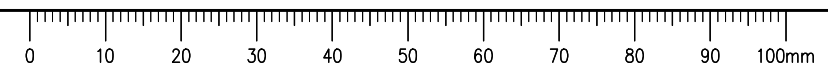
Project Title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approve par
S. LI
Designed by/Concept par
H. ONG / A. HORWOOD
Drawn by/Dessine par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, SPAC

Client/Client
PUBLIC SERVICES AND PROCUREMENT CANADA
Drawing Title/Titre du dessin
PLAN - PROFILE INTERCEPTOR DITCH AND LATERAL SWALE STA. 357+700 - 358+300

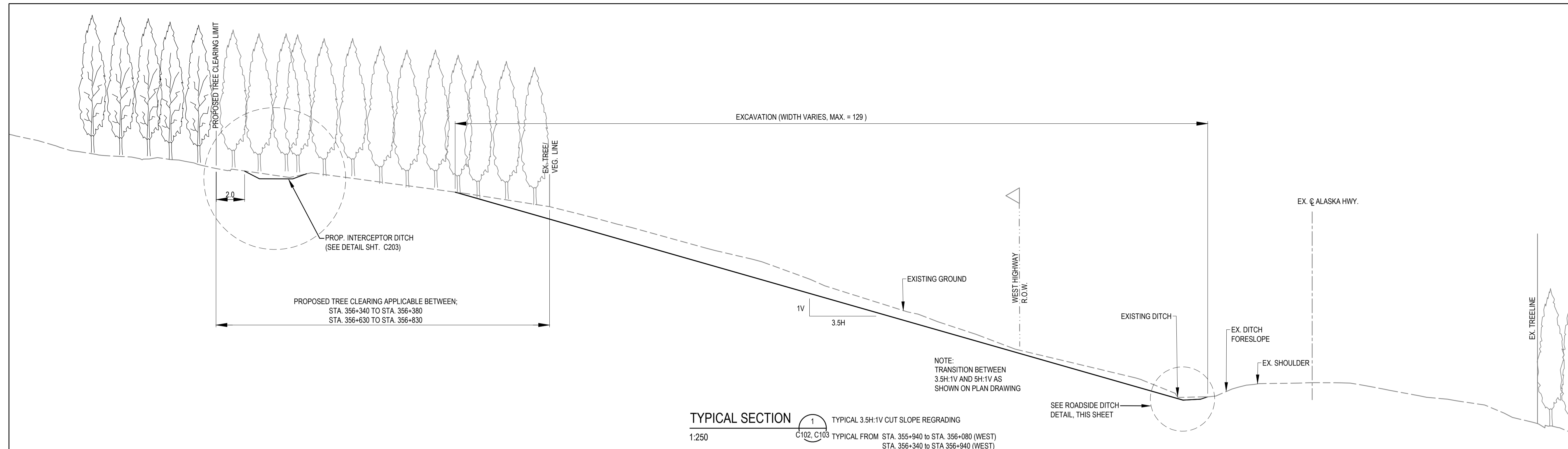
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C203	A

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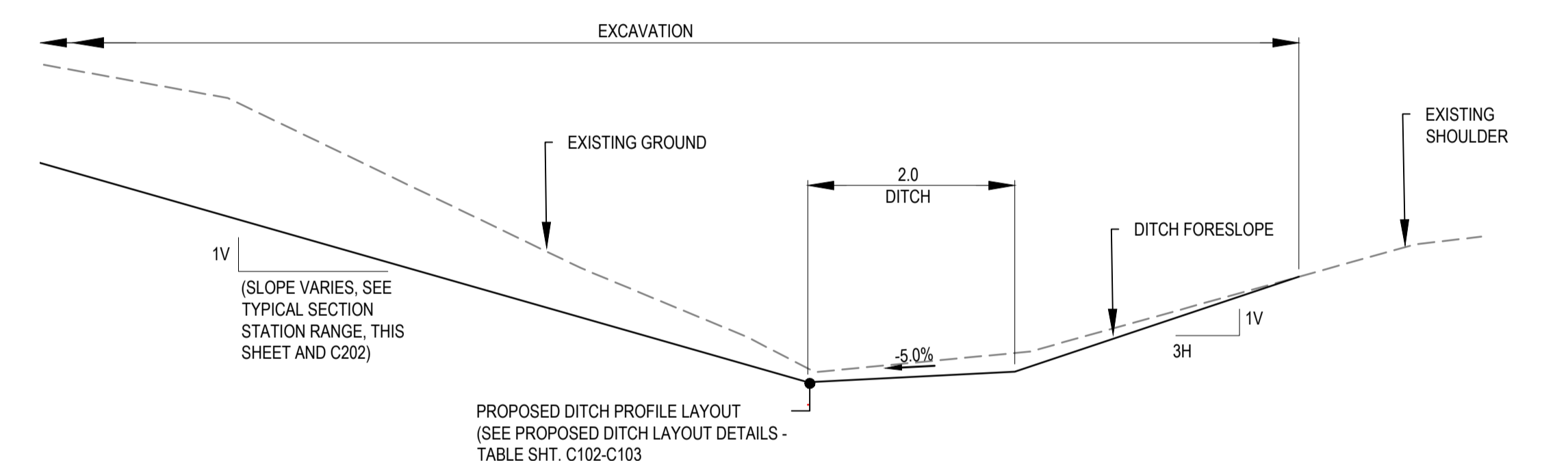


ISSUED FOR TENDER

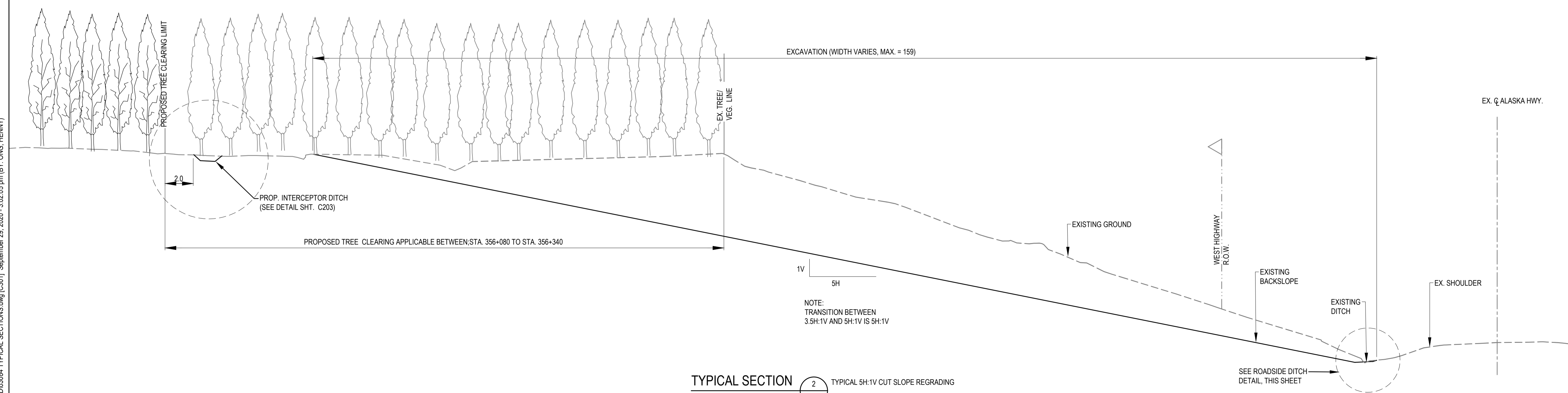
- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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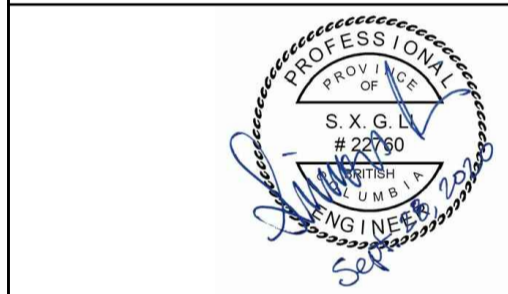
TYPICAL SECTION 1
1:250
TYPICAL 3.5H:1V CUT SLOPE REGRADING
C102, C103 TYPICAL FROM STA. 355+940 TO STA. 356+080 (WEST)
STA. 356+340 TO STA. 356+940 (WEST)



ROADSIDE DITCH DETAIL
1:25
MIRRORED FOR ROADSIDE DITCH NORTH OF BOUGIE CREEK BRIDGE (STA. 357+780 TO STA. 358+157)



TYPICAL SECTION 2
1:250
TYPICAL 5H:1V CUT SLOPE REGRADING
C102 STA. 356+080 TO STA. 356+340 (WEST)



Revision/Revisión	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



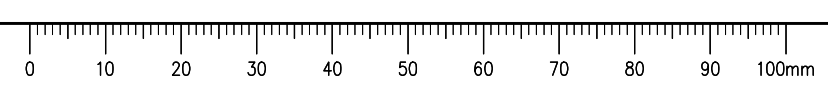
Project Title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par
S. LI
Designed by/Concept par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA
Drawing Title/Titre du dessin
TYPICAL SECTIONS CUT SLOPE REGRADING (SHEET 1 of 2)

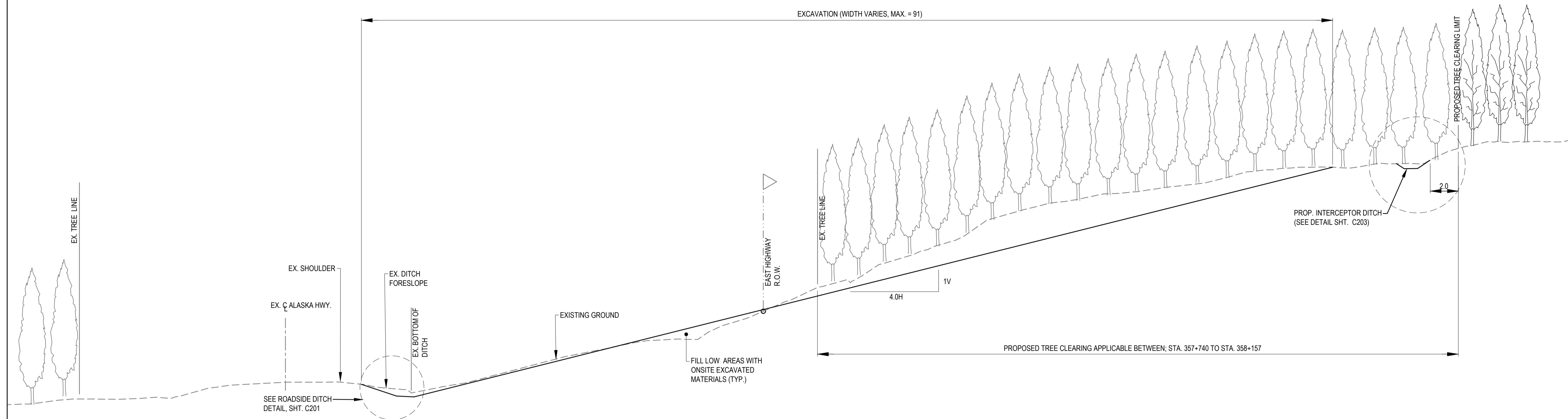
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C301	A

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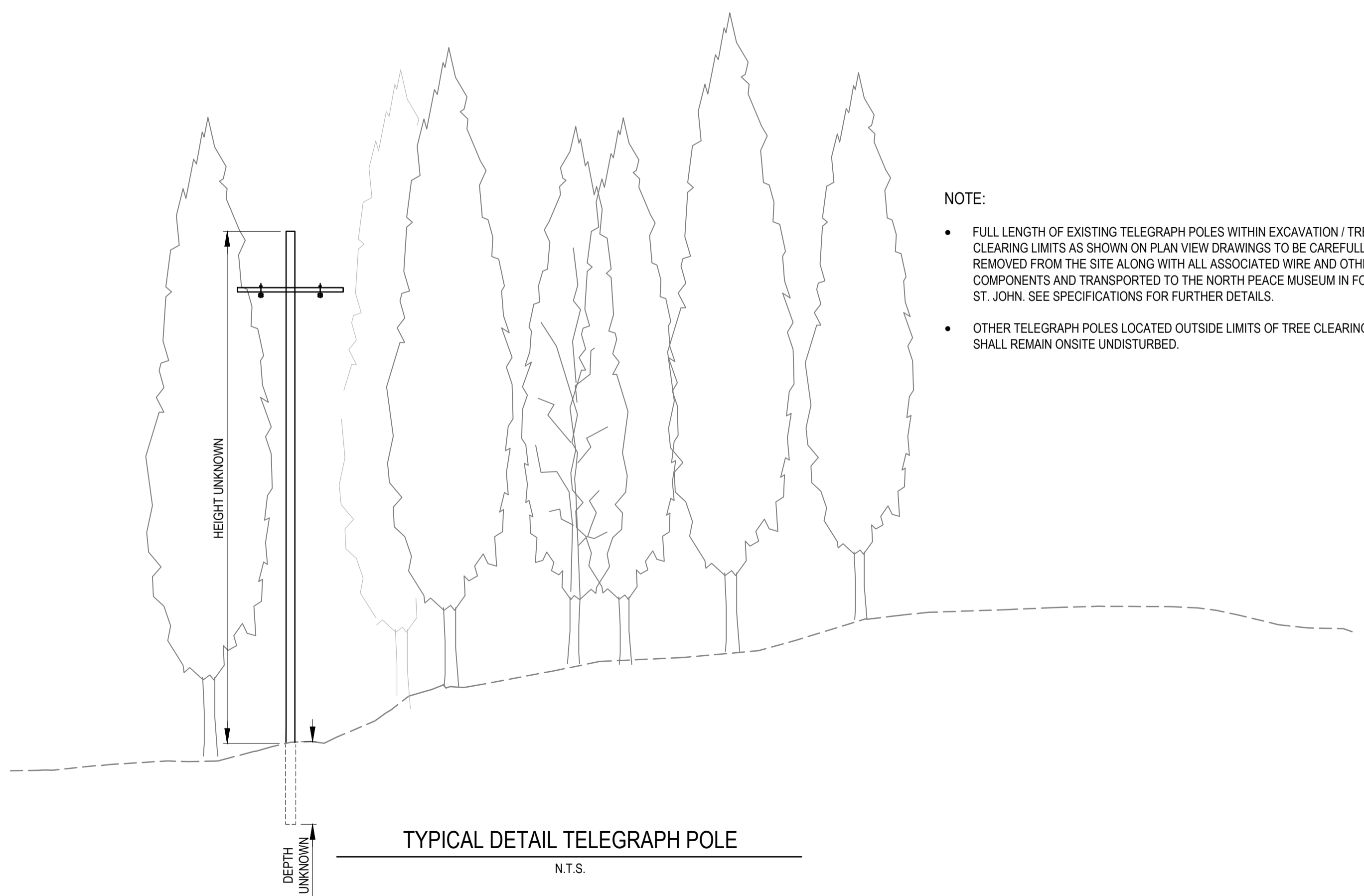


ISSUED FOR TENDER

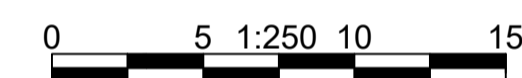
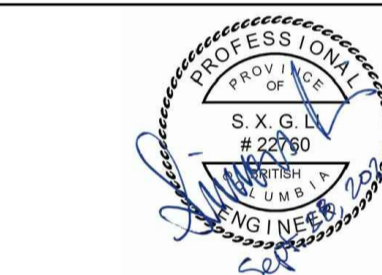
- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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TYPICAL SECTION 3 TYPICAL 4.0H:1V CUT SLOPE REGRADING
1:250 TYPICAL FROM STA 357+740 to STA 358+157 (EAST)



- NOTE:
- FULL LENGTH OF EXISTING TELEGRAPH POLES WITHIN EXCAVATION / TREE CLEARING LIMITS AS SHOWN ON PLAN VIEW DRAWINGS TO BE CAREFULLY REMOVED FROM THE SITE ALONG WITH ALL ASSOCIATED WIRE AND OTHER COMPONENTS AND TRANSPORTED TO THE NORTH PEACE MUSEUM IN FORT ST. JOHN. SEE SPECIFICATIONS FOR FURTHER DETAILS.
 - OTHER TELEGRAPH POLES LOCATED OUTSIDE LIMITS OF TREE CLEARING SHALL REMAIN ONSITE UNDISTURBED.



Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



Project Title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

Approved by/Approuvé par
S. LI

Designed by/Concepté par
H. ONG / A. HORWOOD

Drawn by/Dessiné par
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI

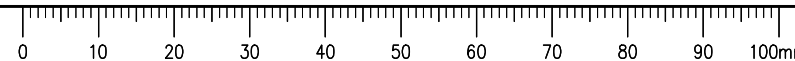
PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/Client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing Title/Titre du dessin

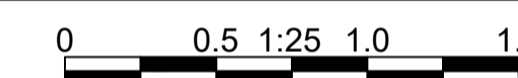
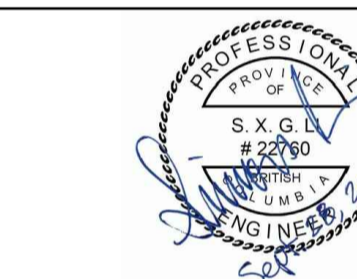
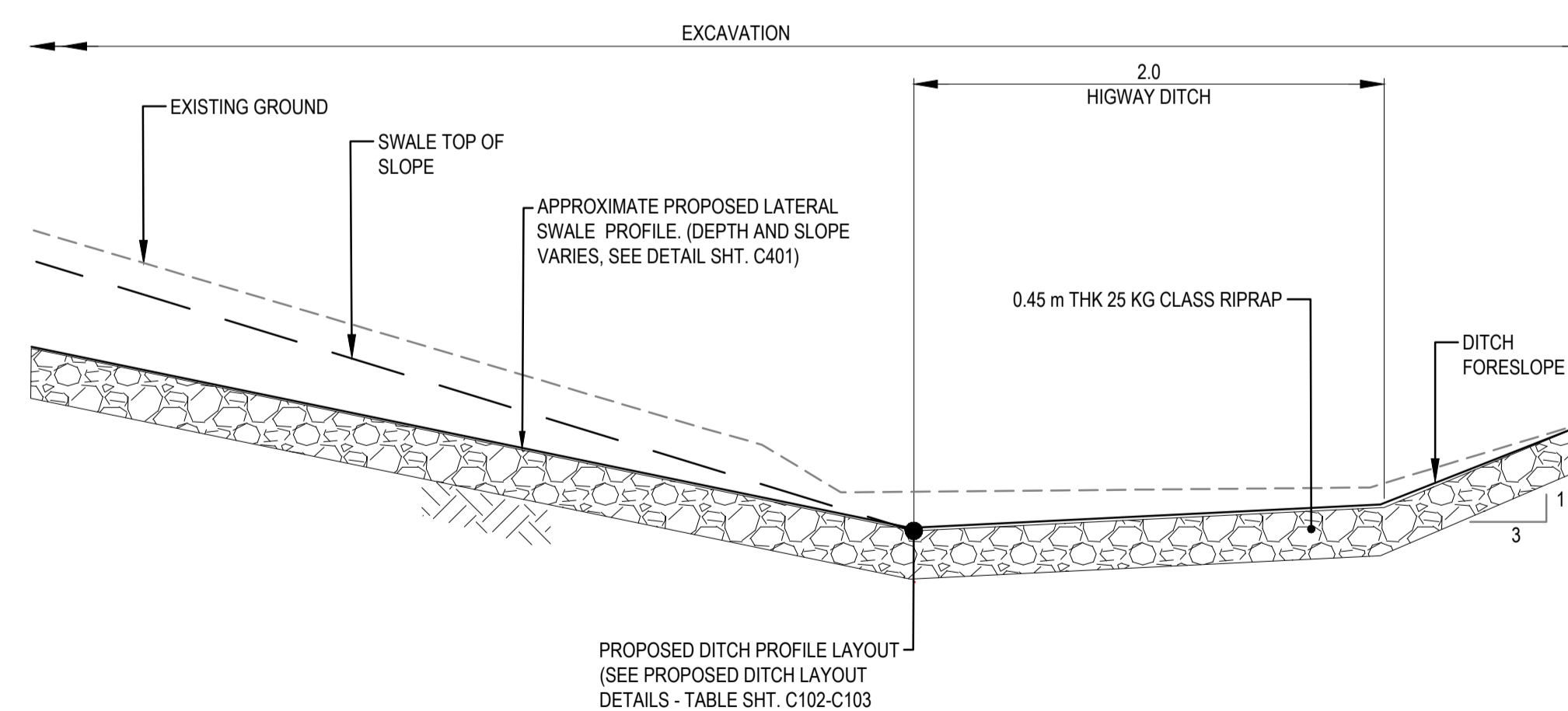
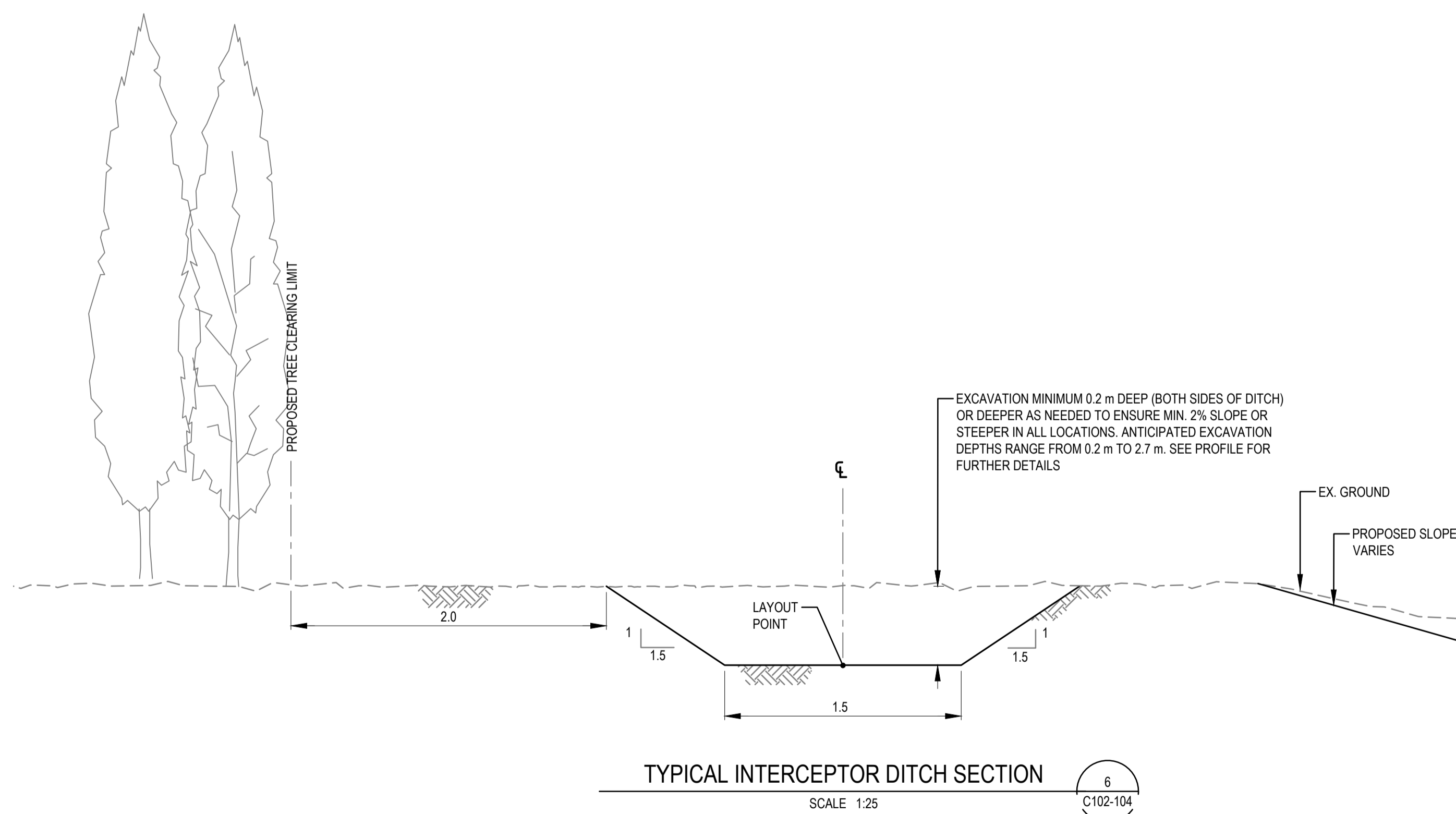
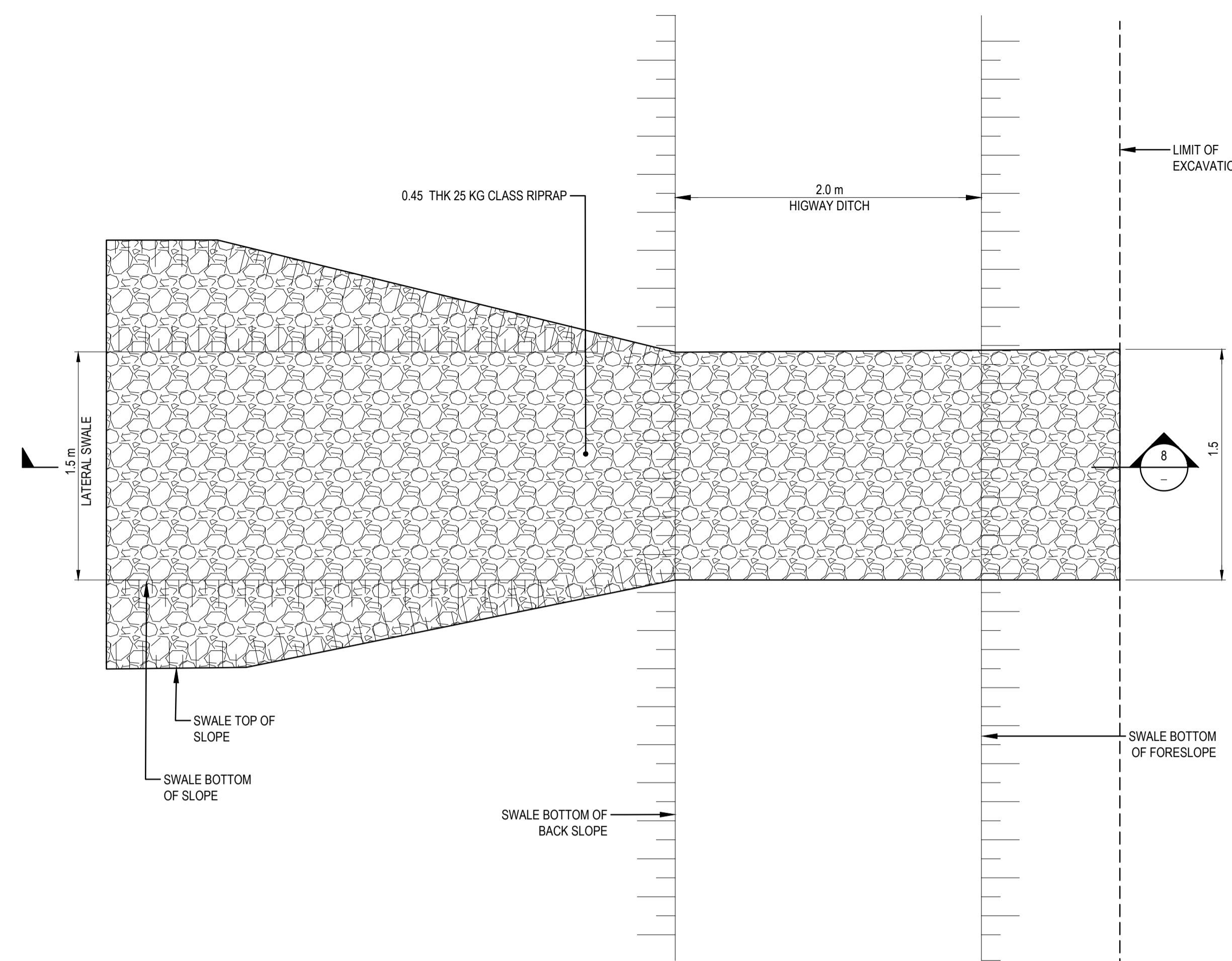
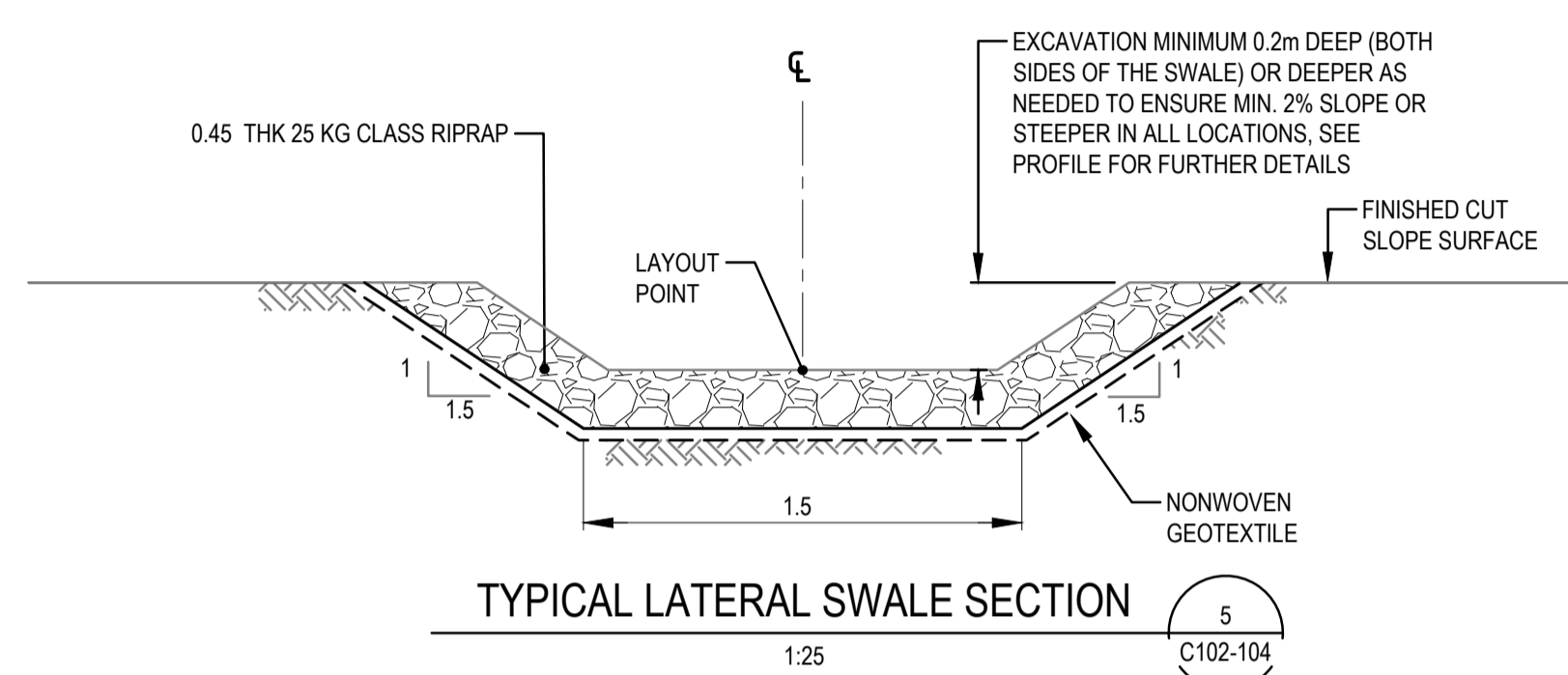
**TYPICAL SECTIONS
CUT SLOPE REGRADING
AND TELEGRAPH POLE DETAILS
(SHEET 2 of 2)**

Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
R.119901.002	C302	A



ISSUED FOR TENDER

- GENERAL NOTES:
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Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



Project Title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par
S. LI

Designed by/Concept par
H. ONG / A. HORWOOD

Drawn by/Dessiné par
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI

PSPC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing Title/Titre du dessin

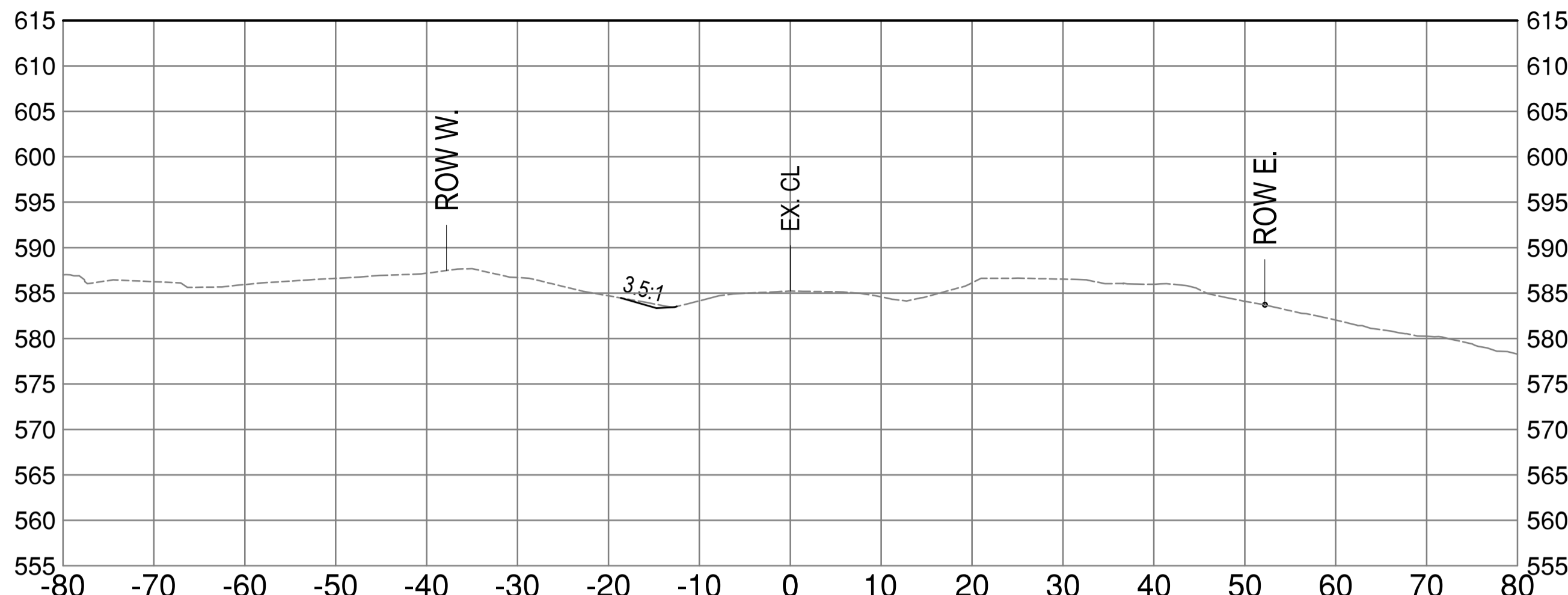
INTERCEPTOR DITCH, AND LATERAL SWALE DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C401	A

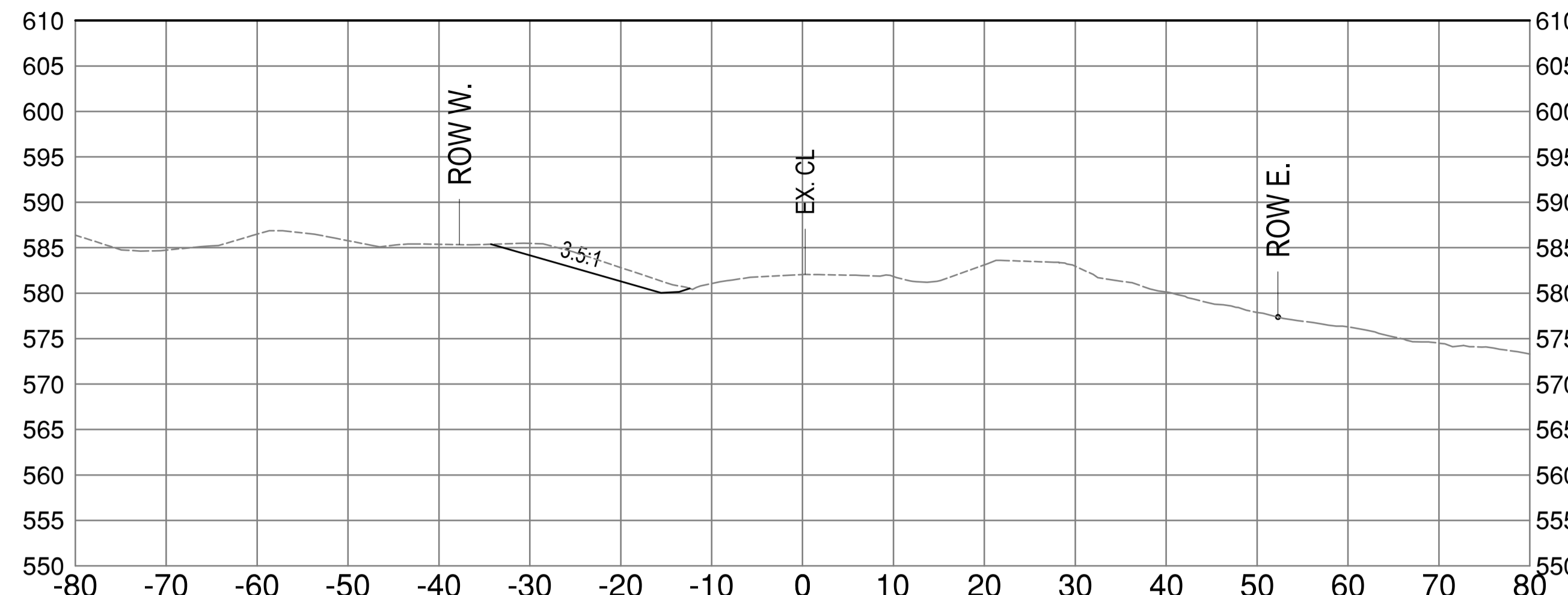
ISSUED FOR TENDER

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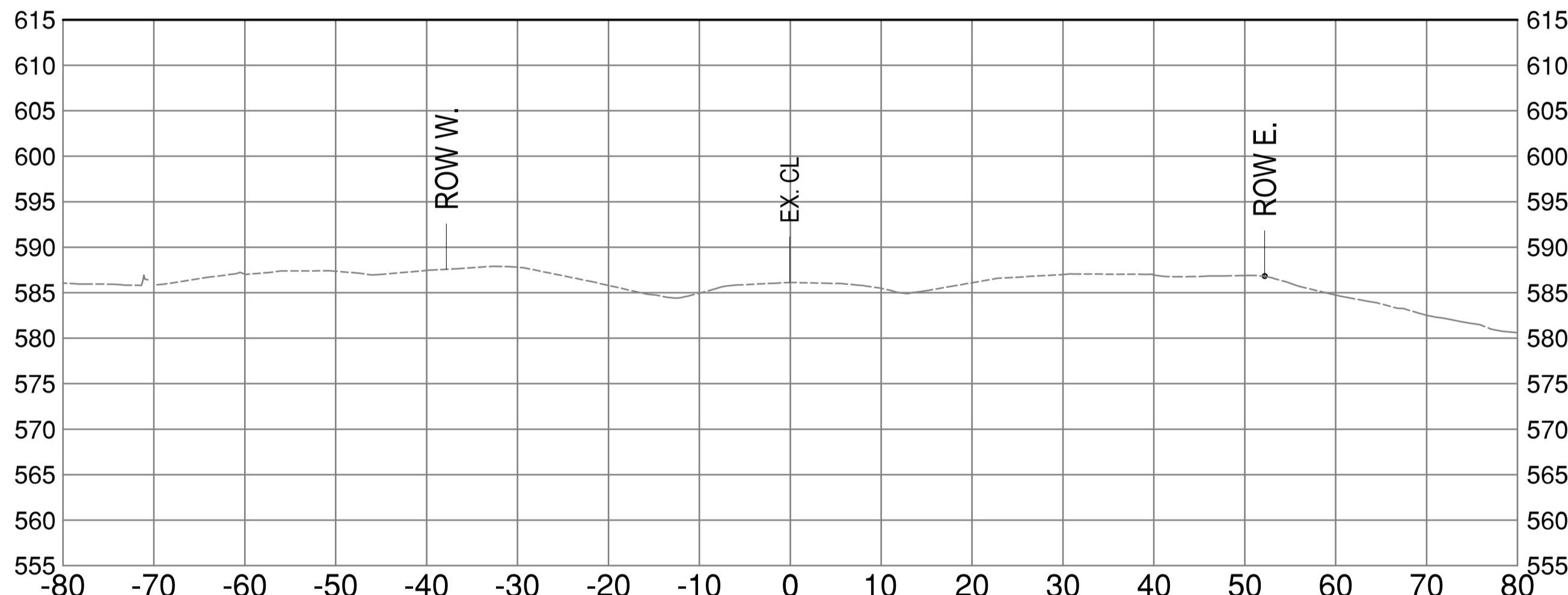
355+940



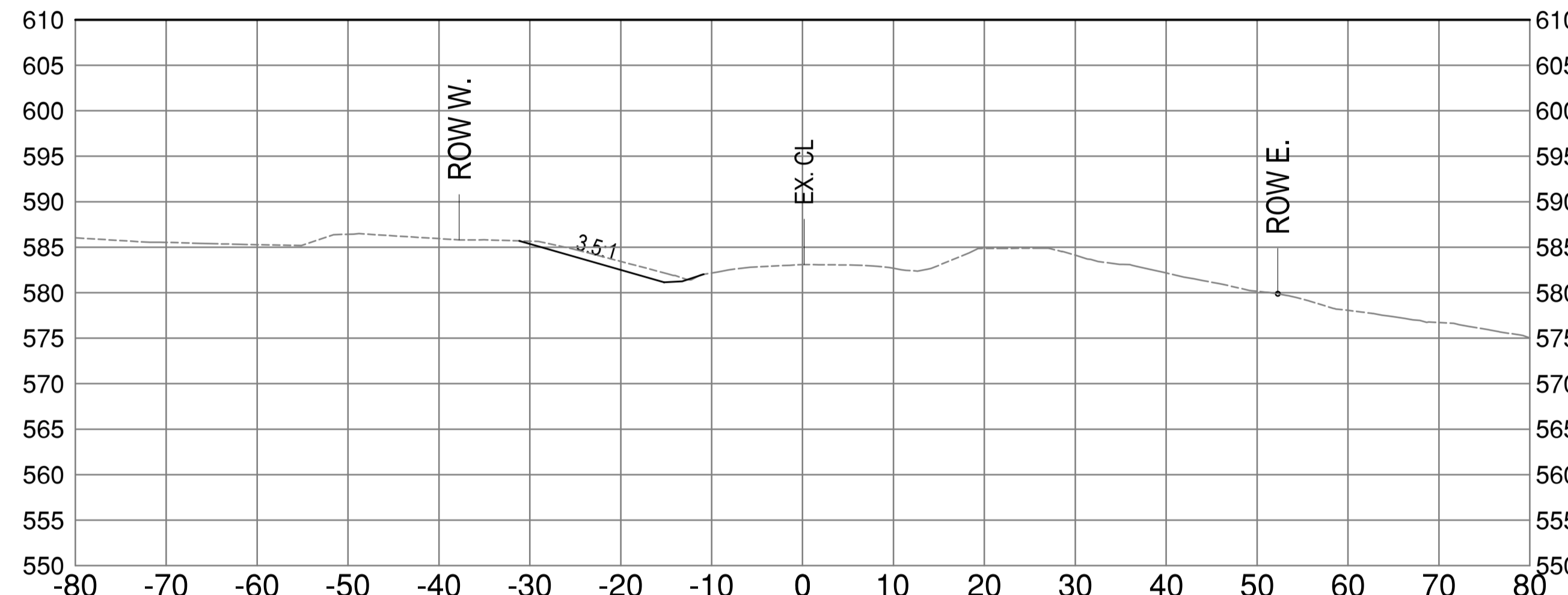
356+000



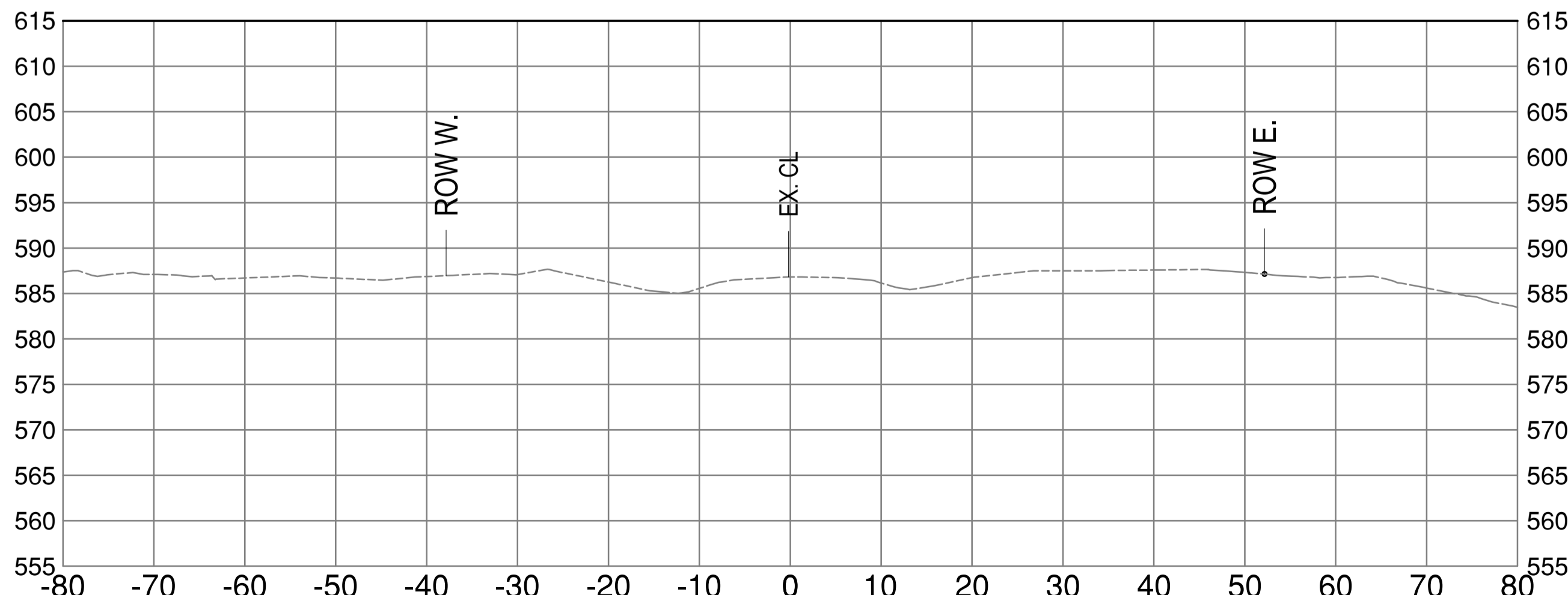
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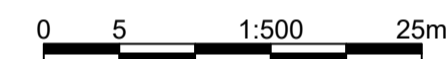
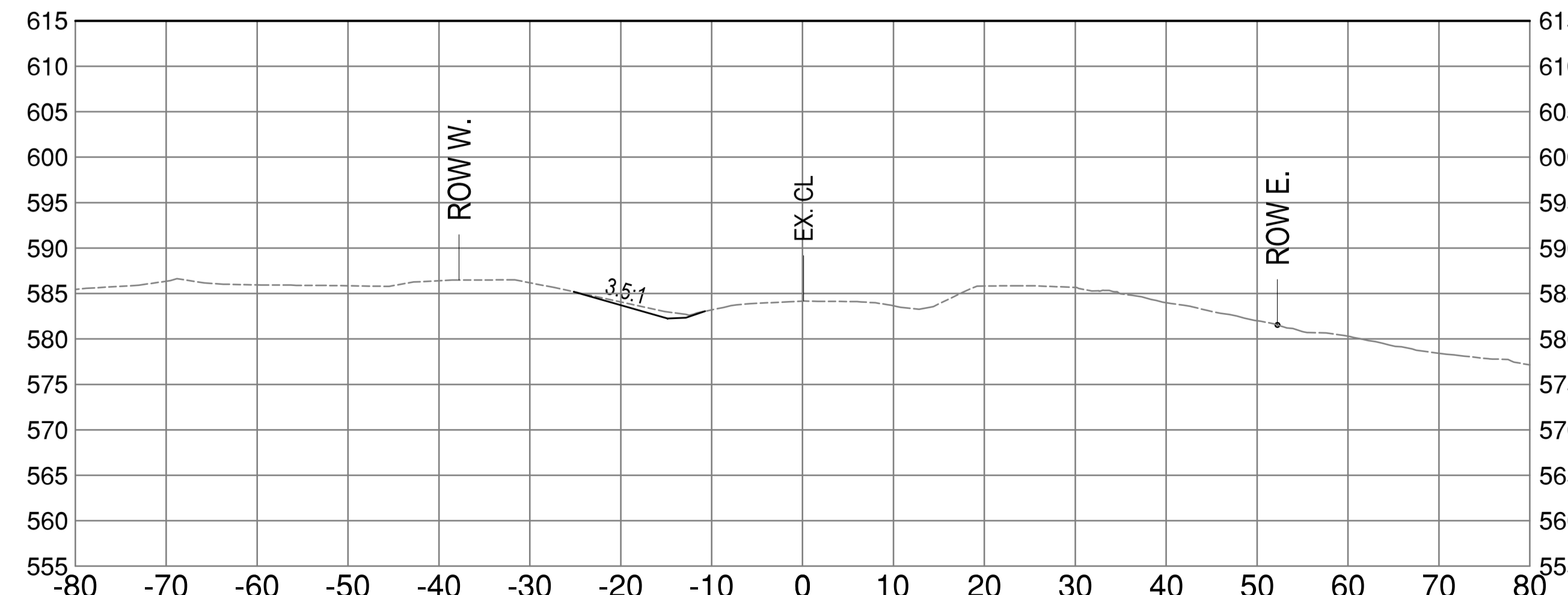
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355+900



355+960



Revision/Édité	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



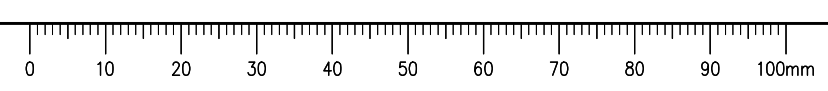
Project title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

Approved by/Approuvé par
S. LI
Designed by/Concepté par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA
Drawing title/Titre du dessin
**CROSS-SECTIONS
STA.355+900 TO 356+000**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C501	A

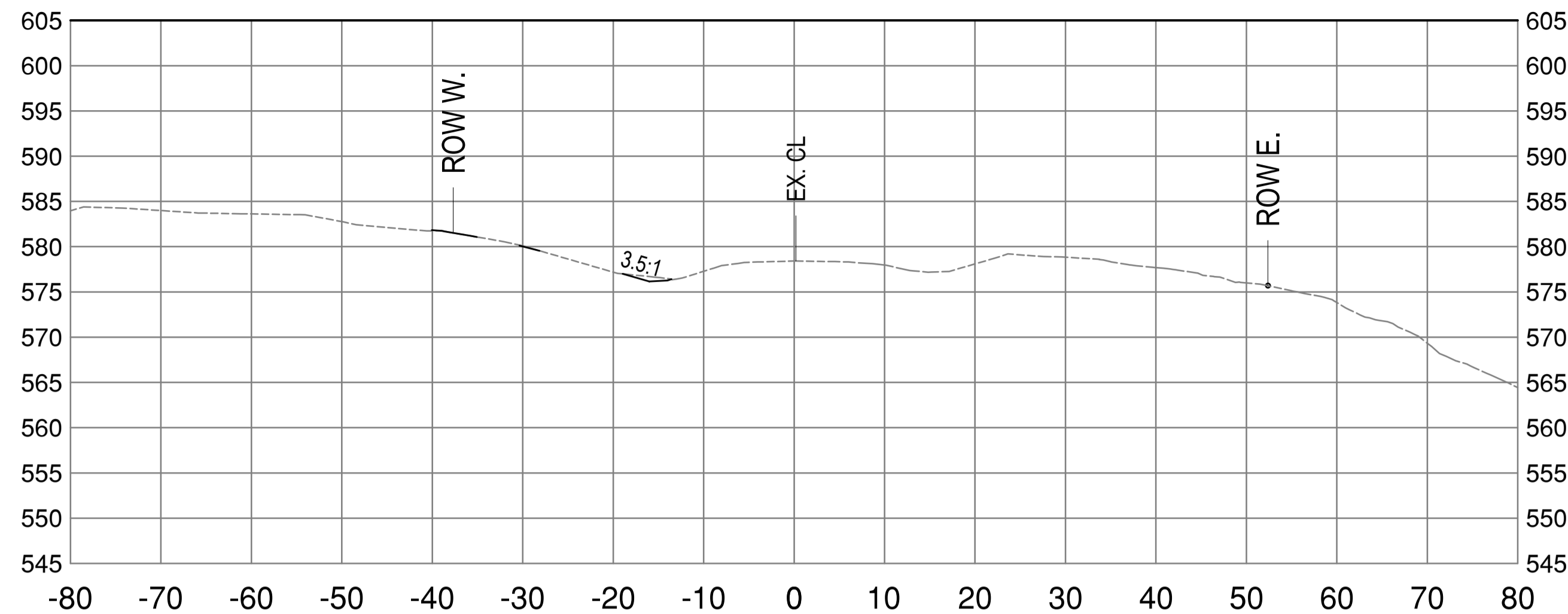
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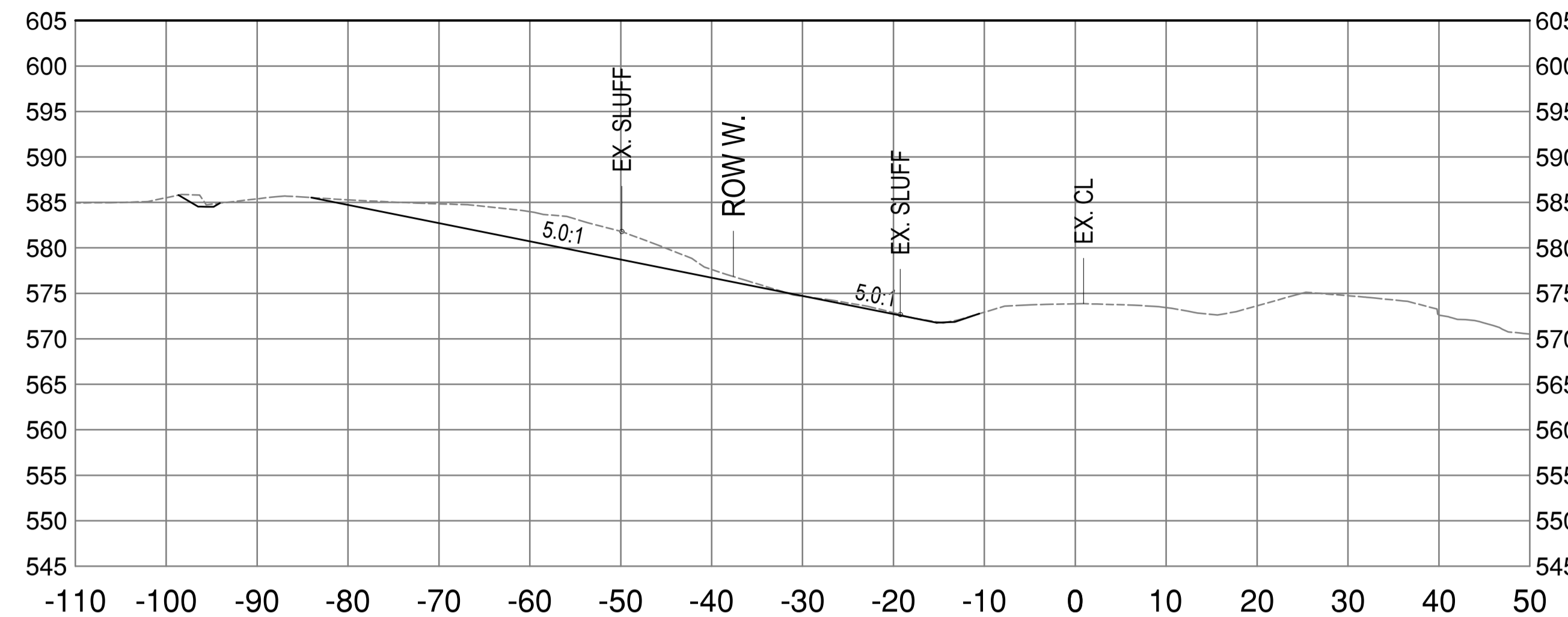
ISSUED FOR TENDER

- GENERAL NOTES:
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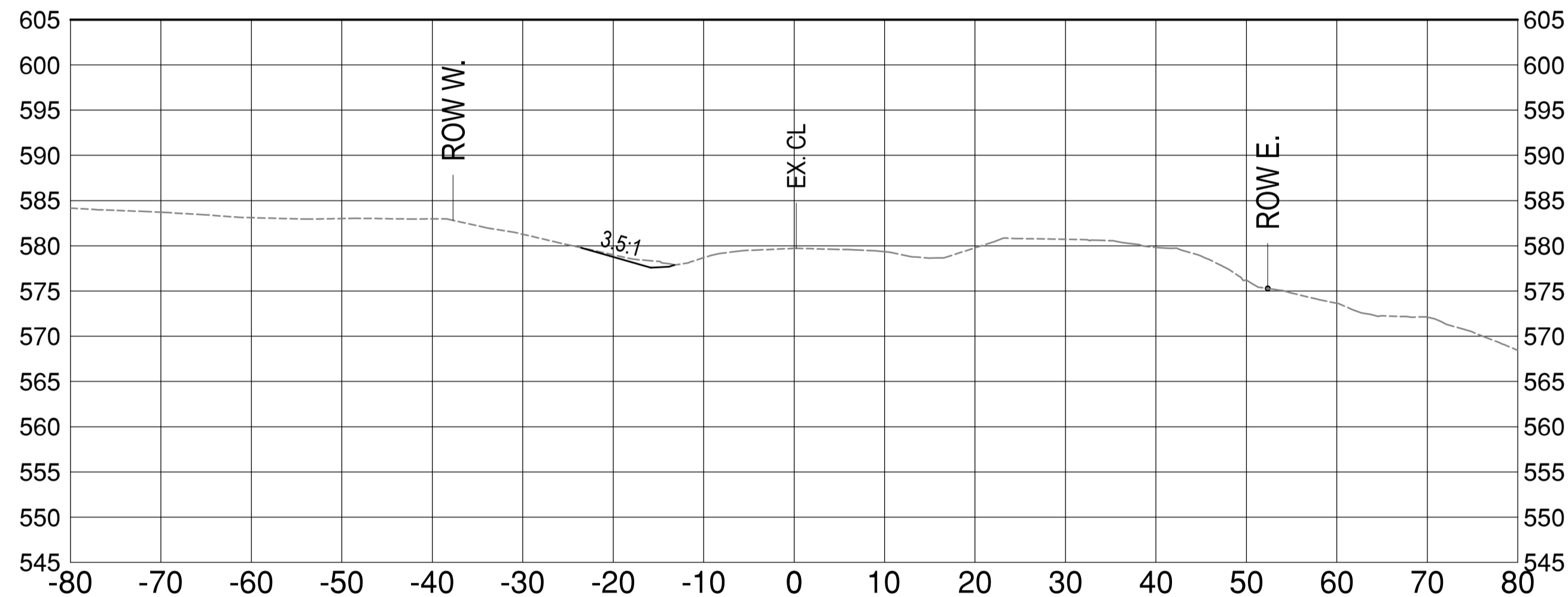
356+060



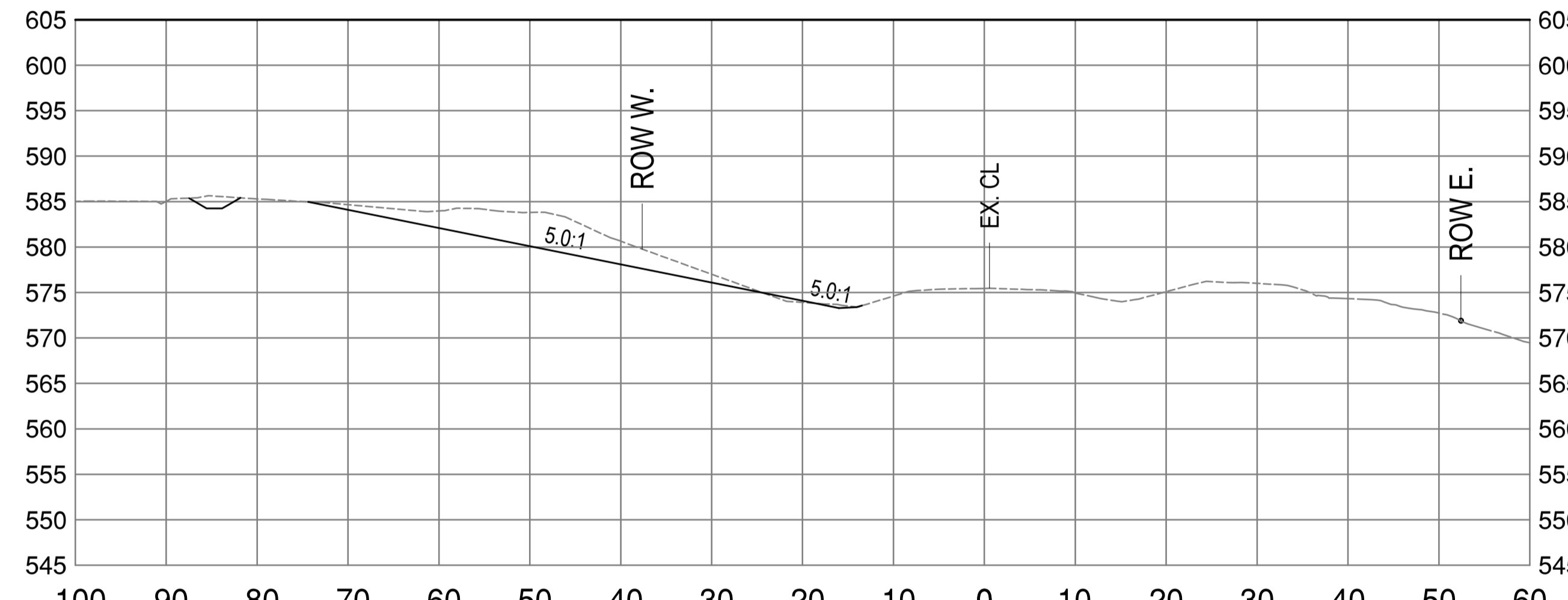
356+120



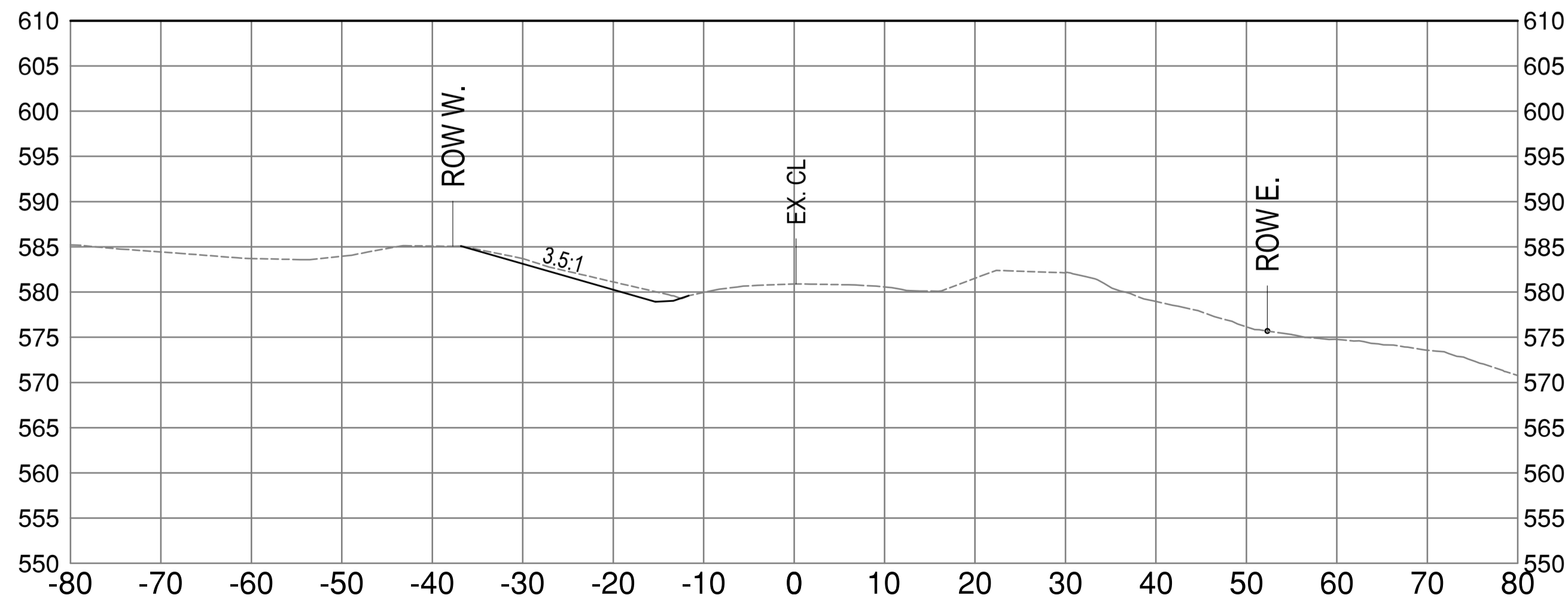
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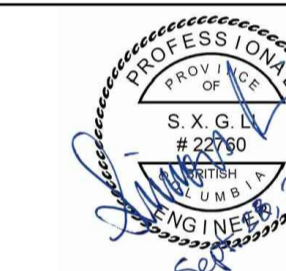
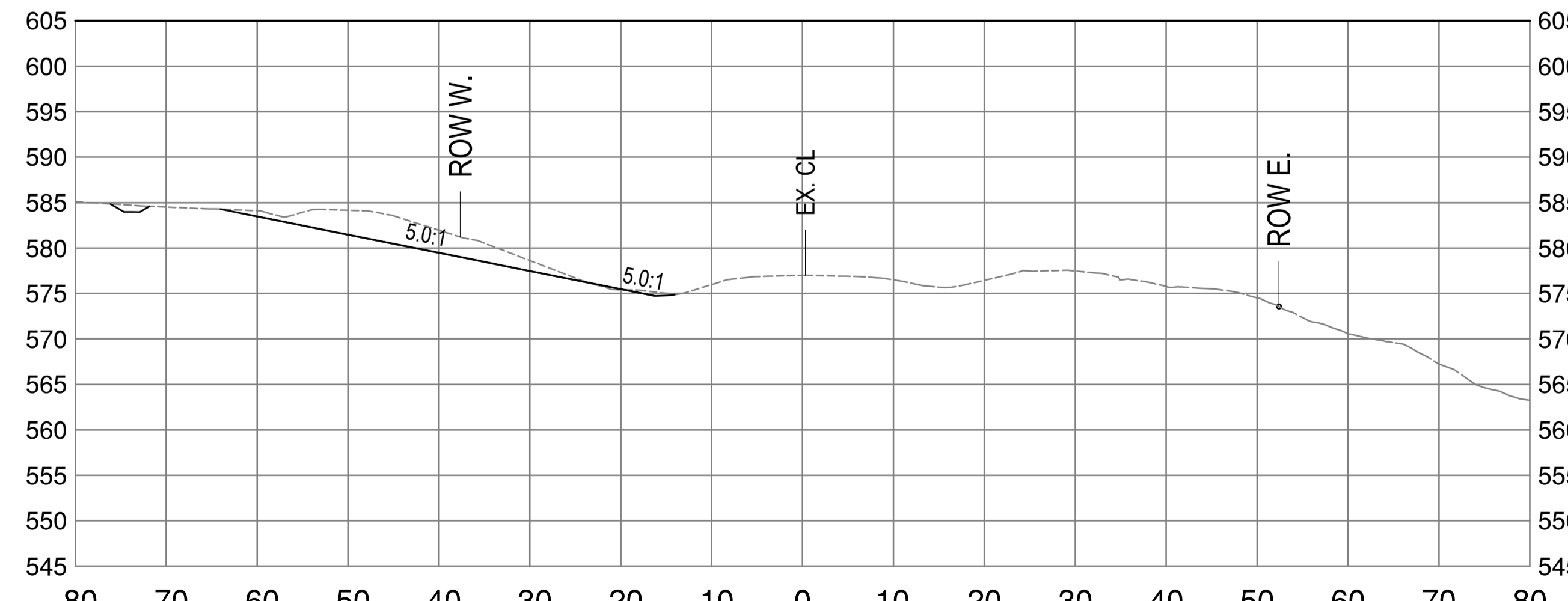
356+100



356+020



356+080



Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



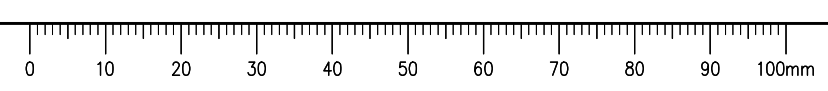
Project title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par
S. LI
Designed by/Concept par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA
Drawing title/Titre du dessin
CROSS-SECTIONS STA.356+020 TO 356+120

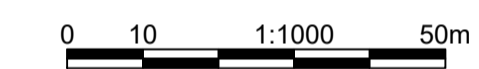
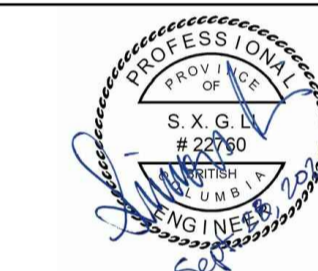
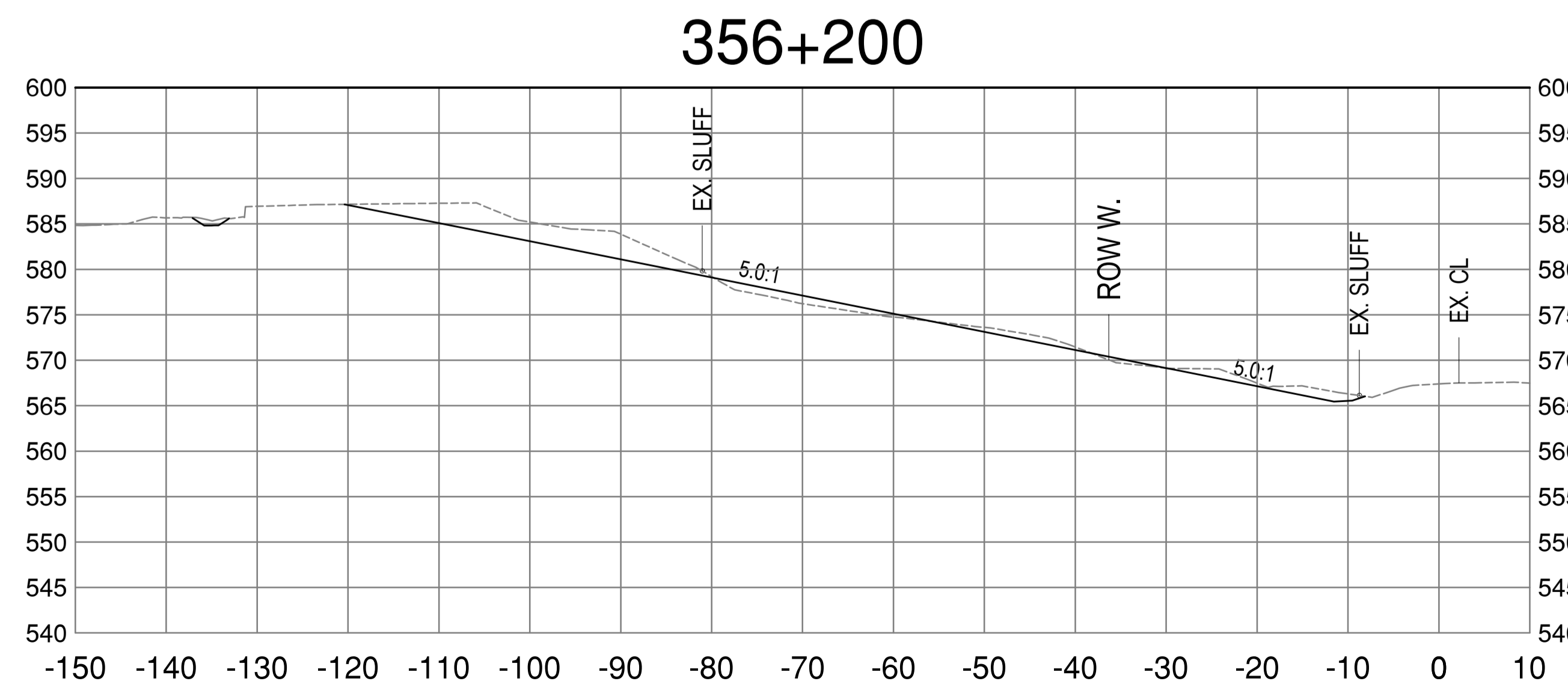
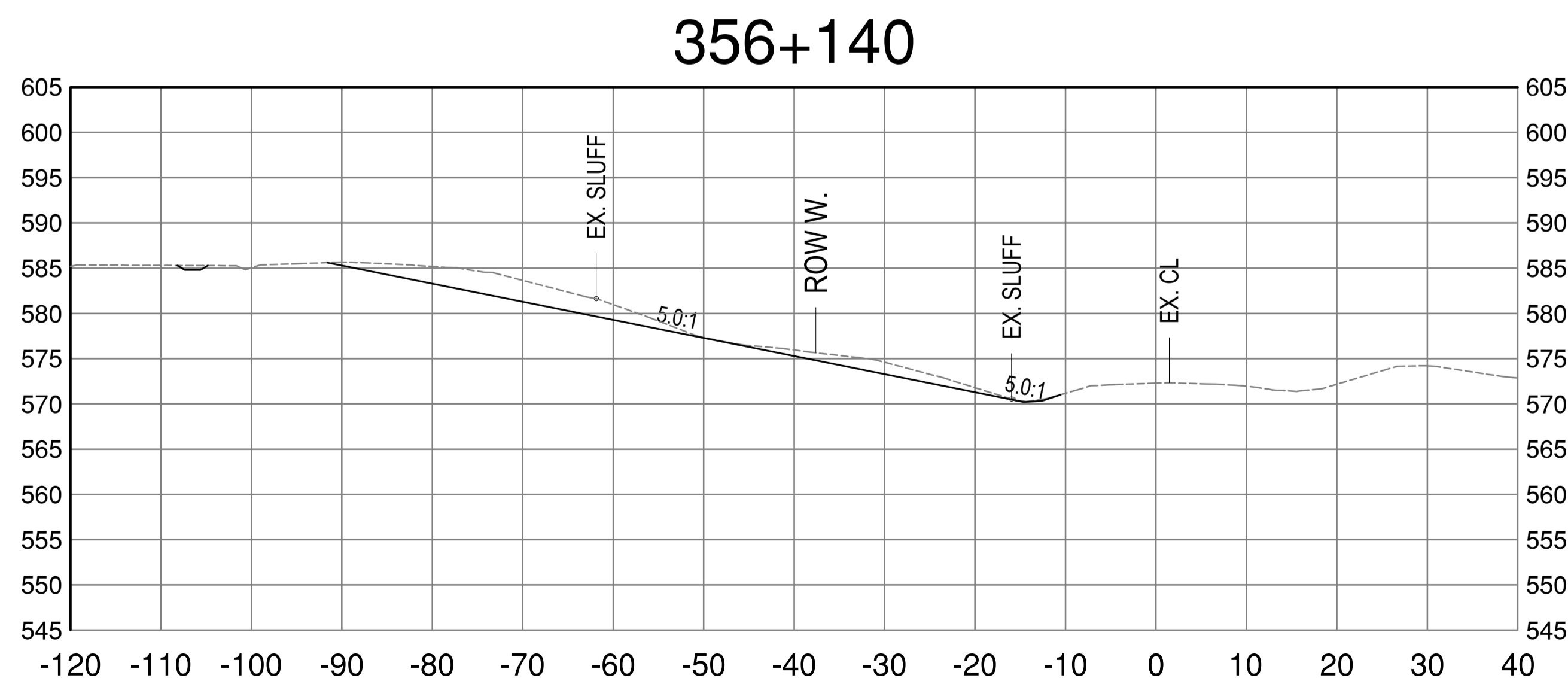
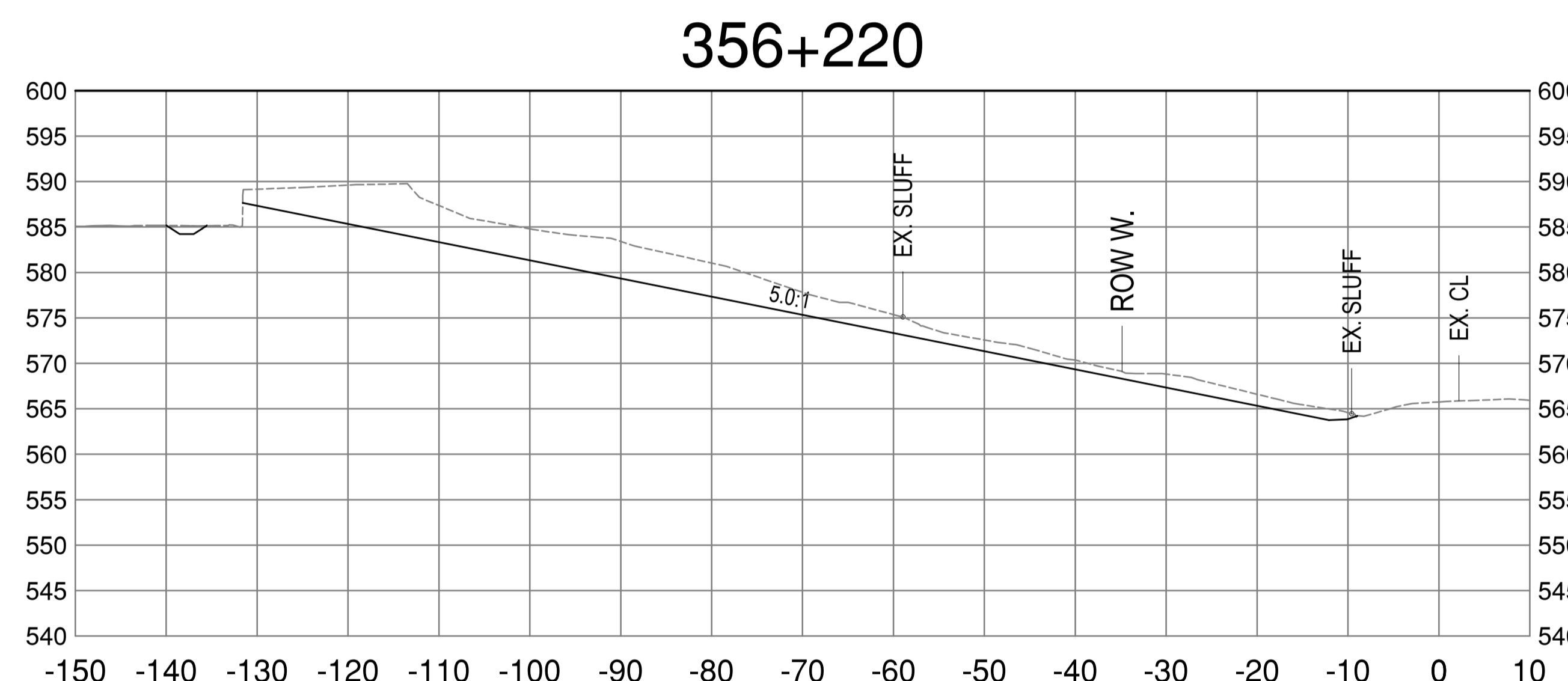
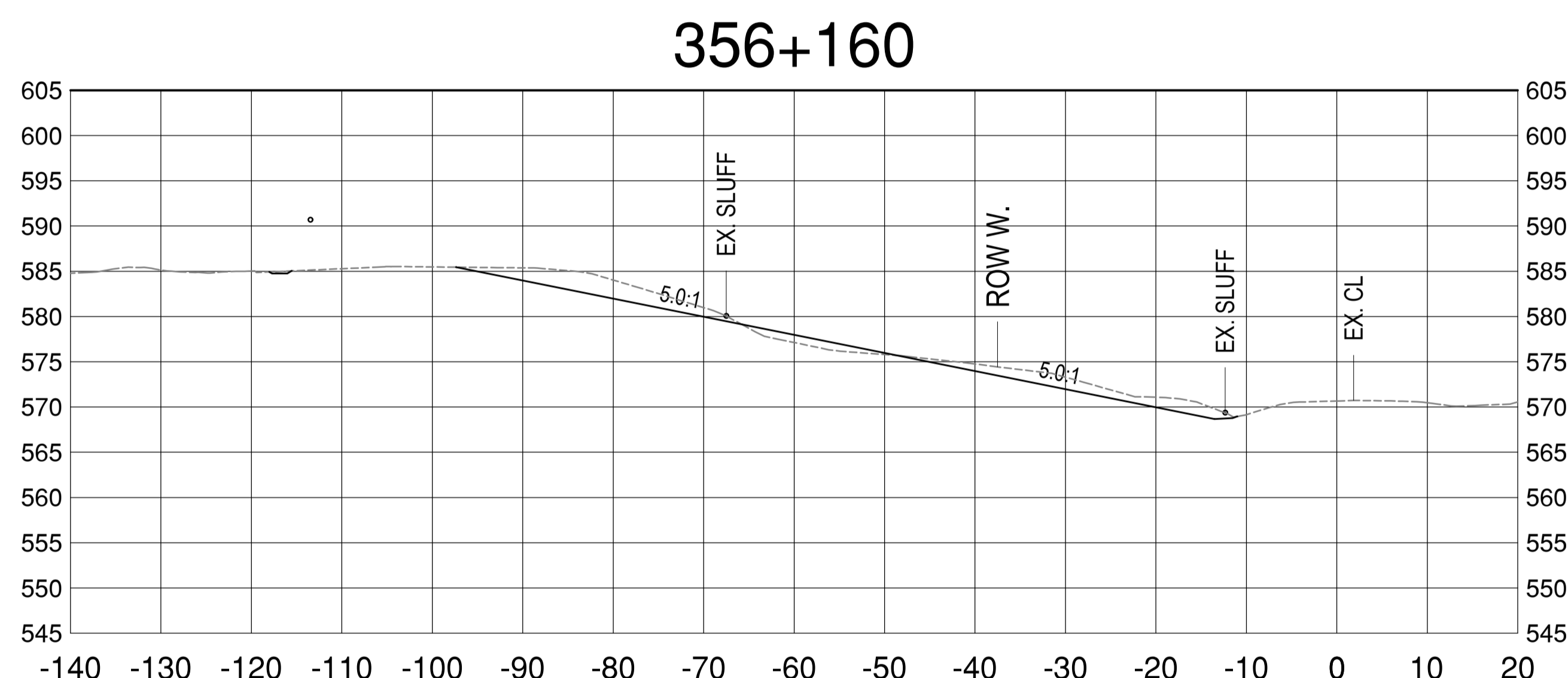
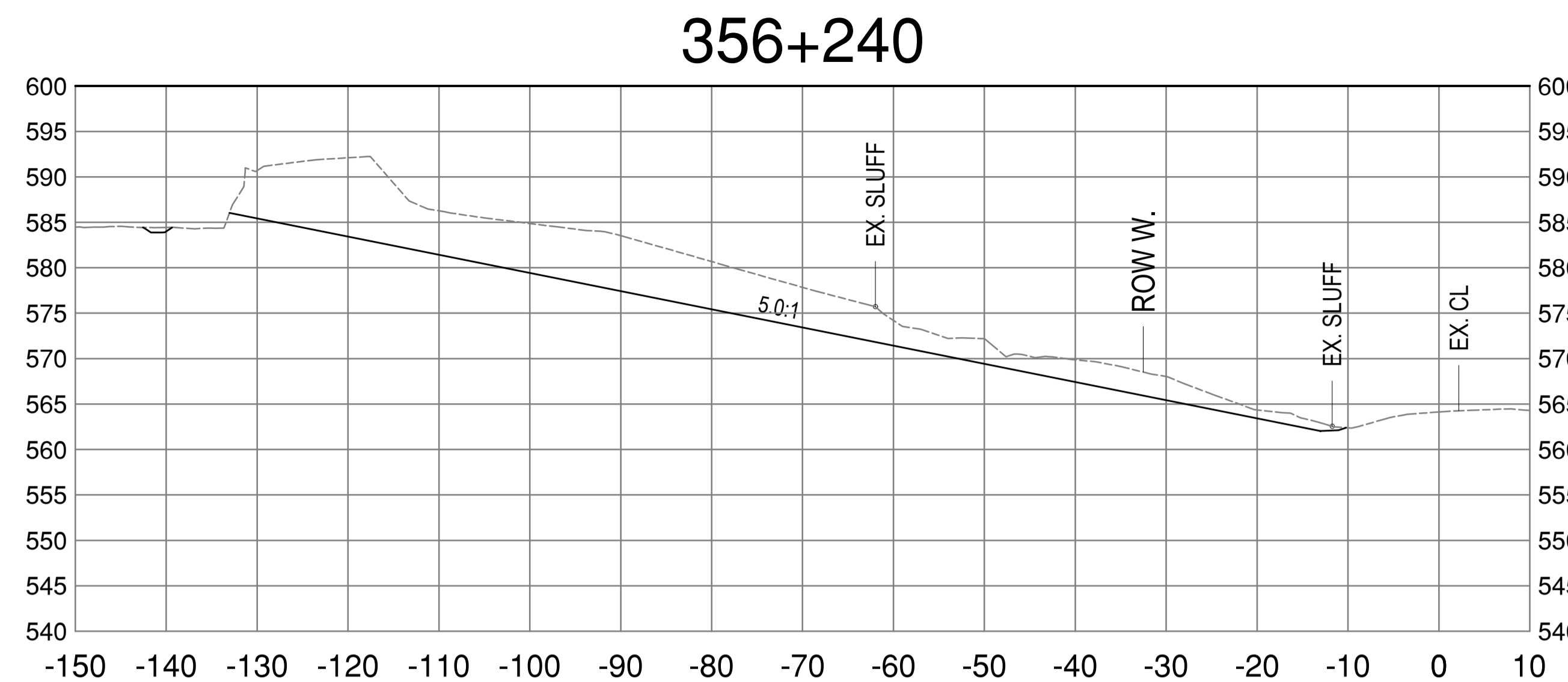
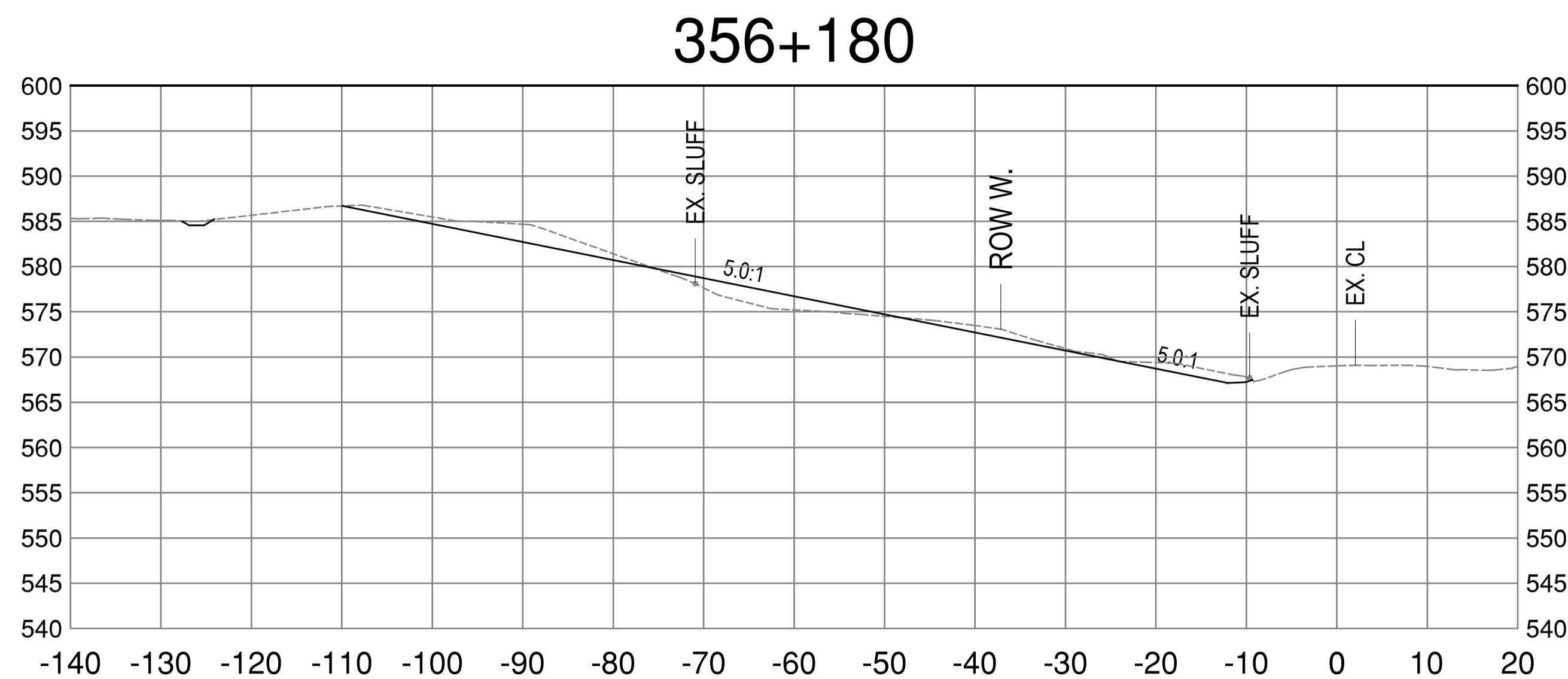
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C502	A

E:\0308413001 - CAD\030841 CROSS SECTIONS.dwg [C502] September 28, 2020 - 3:27:07 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS TO BE HYDRAULIC SEEDED, INCLUDING TREE CLEARING AREA.



Revision/Édition	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

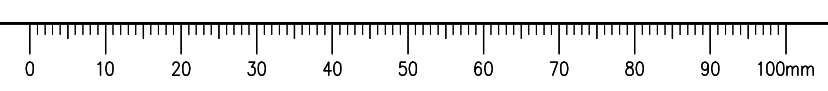
Approved by/Approuvé par
S. LI
Designed by/Concepté par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
**CROSS-SECTIONS
STA.356+140 TO 356+240**

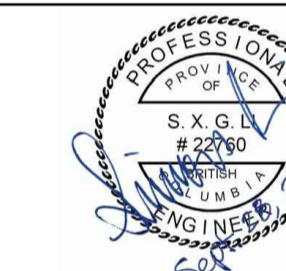
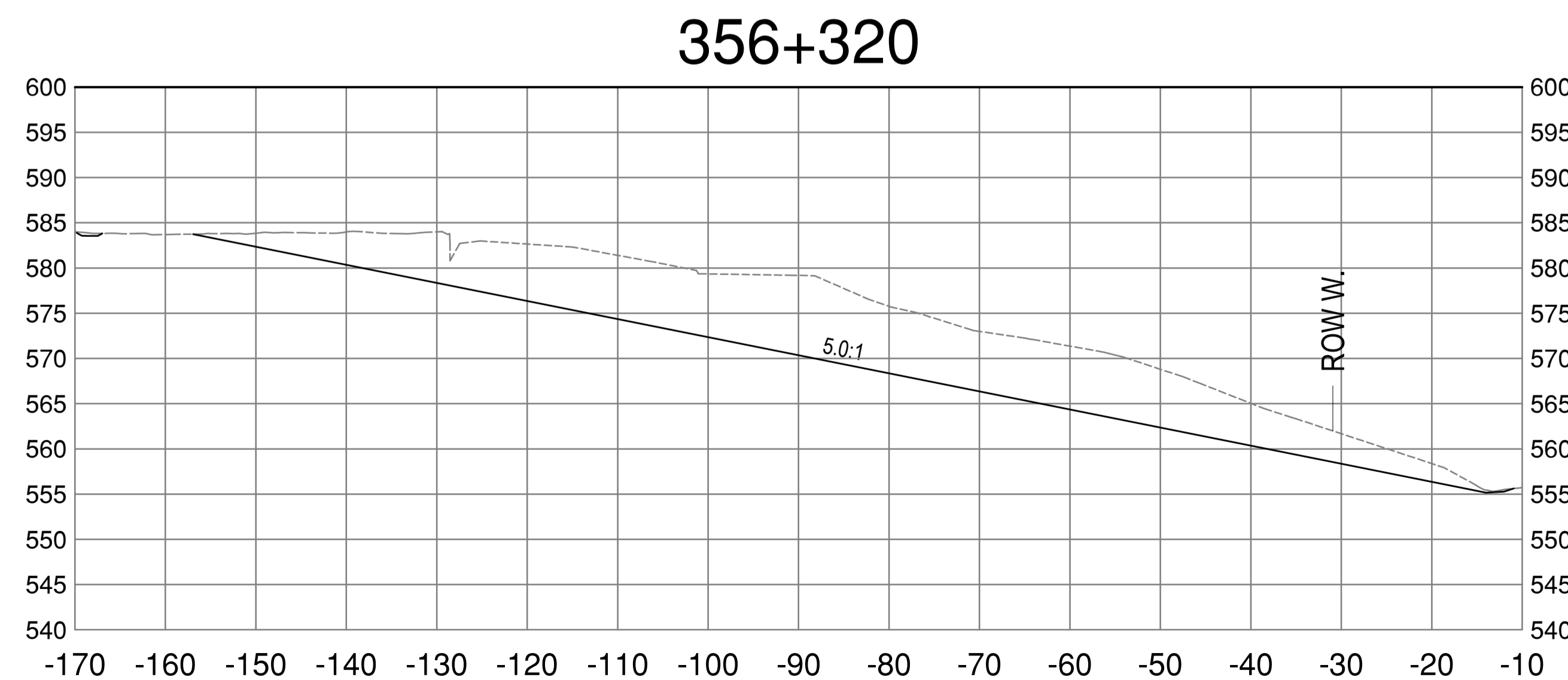
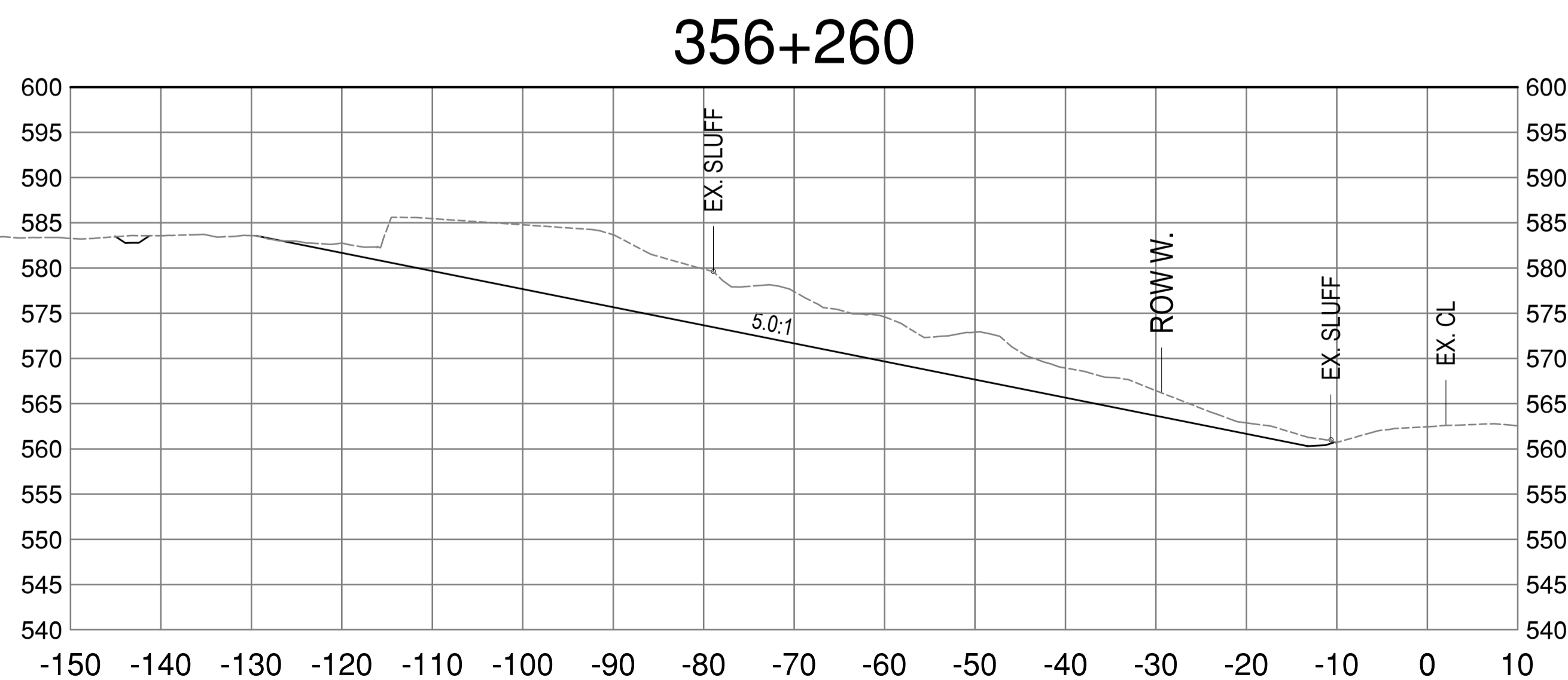
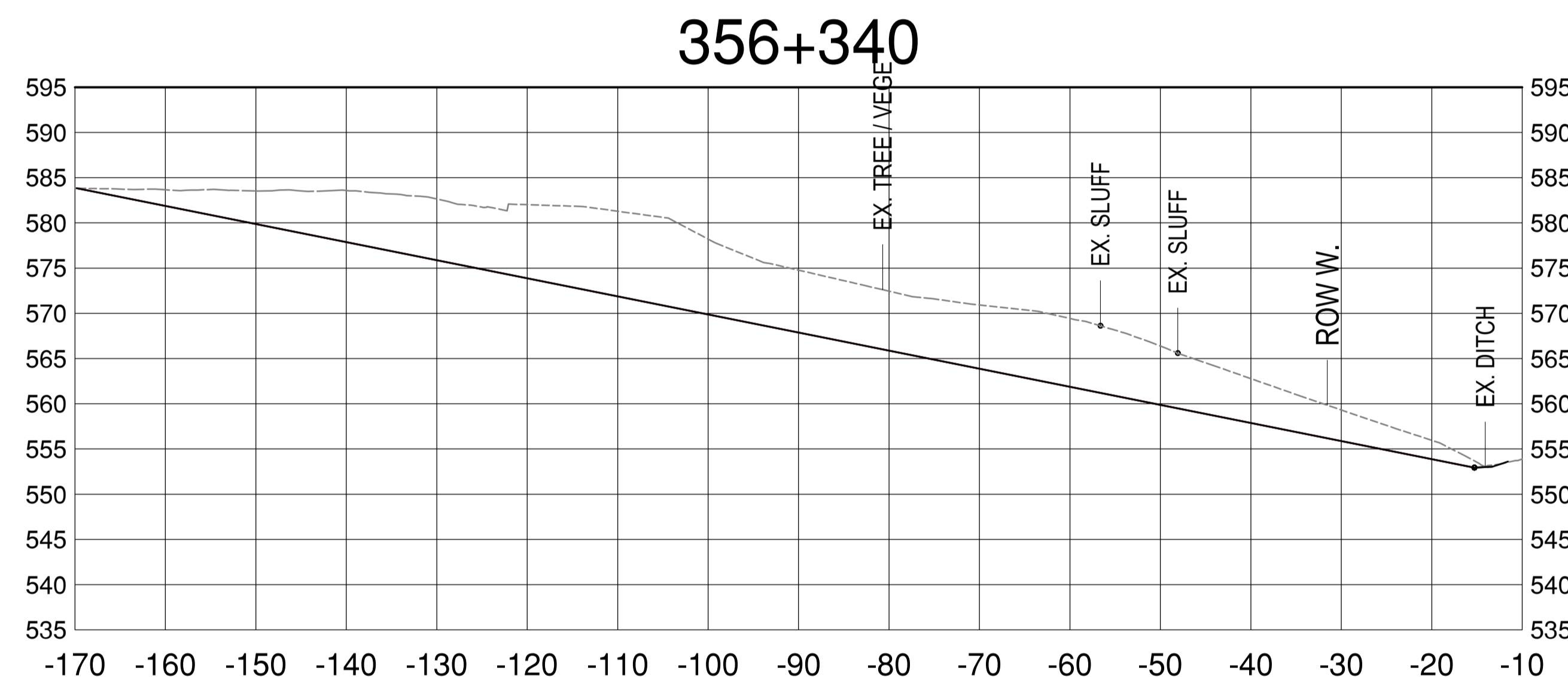
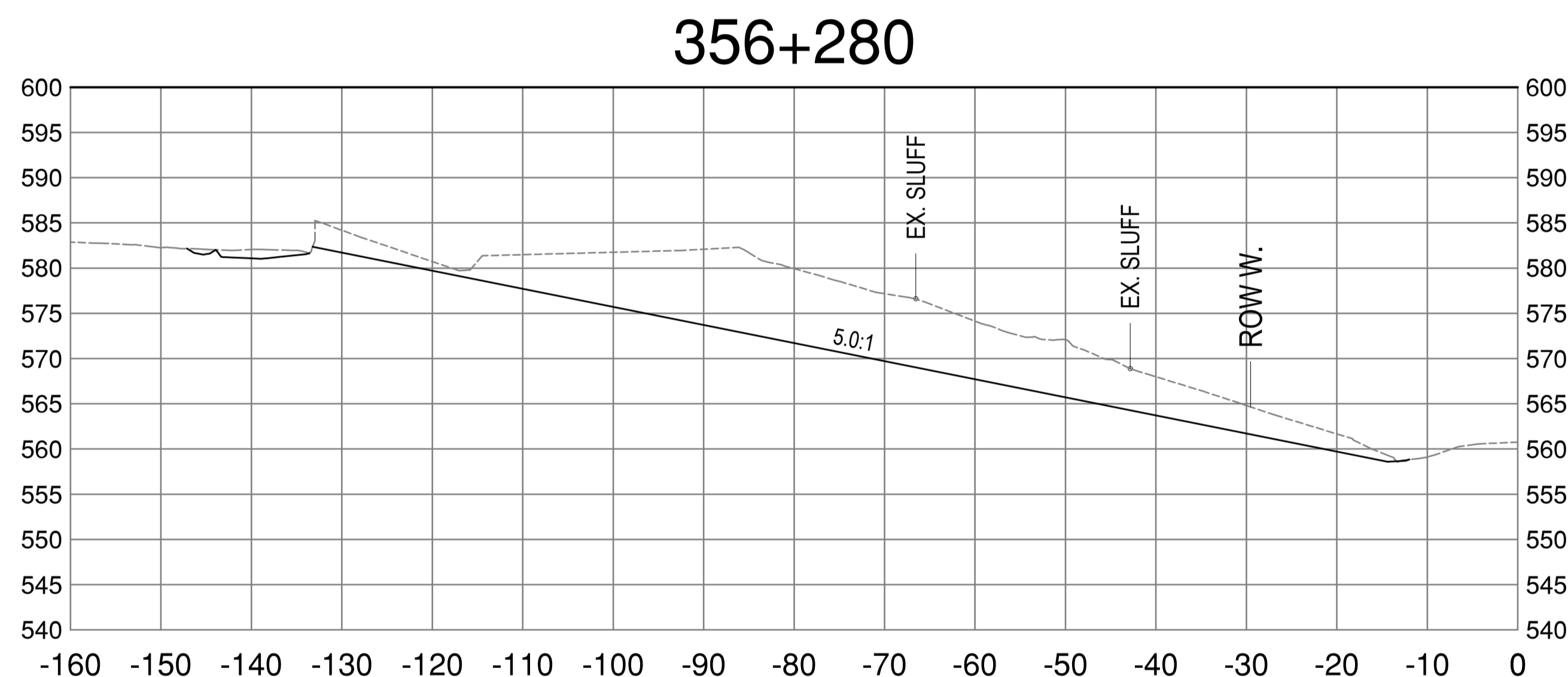
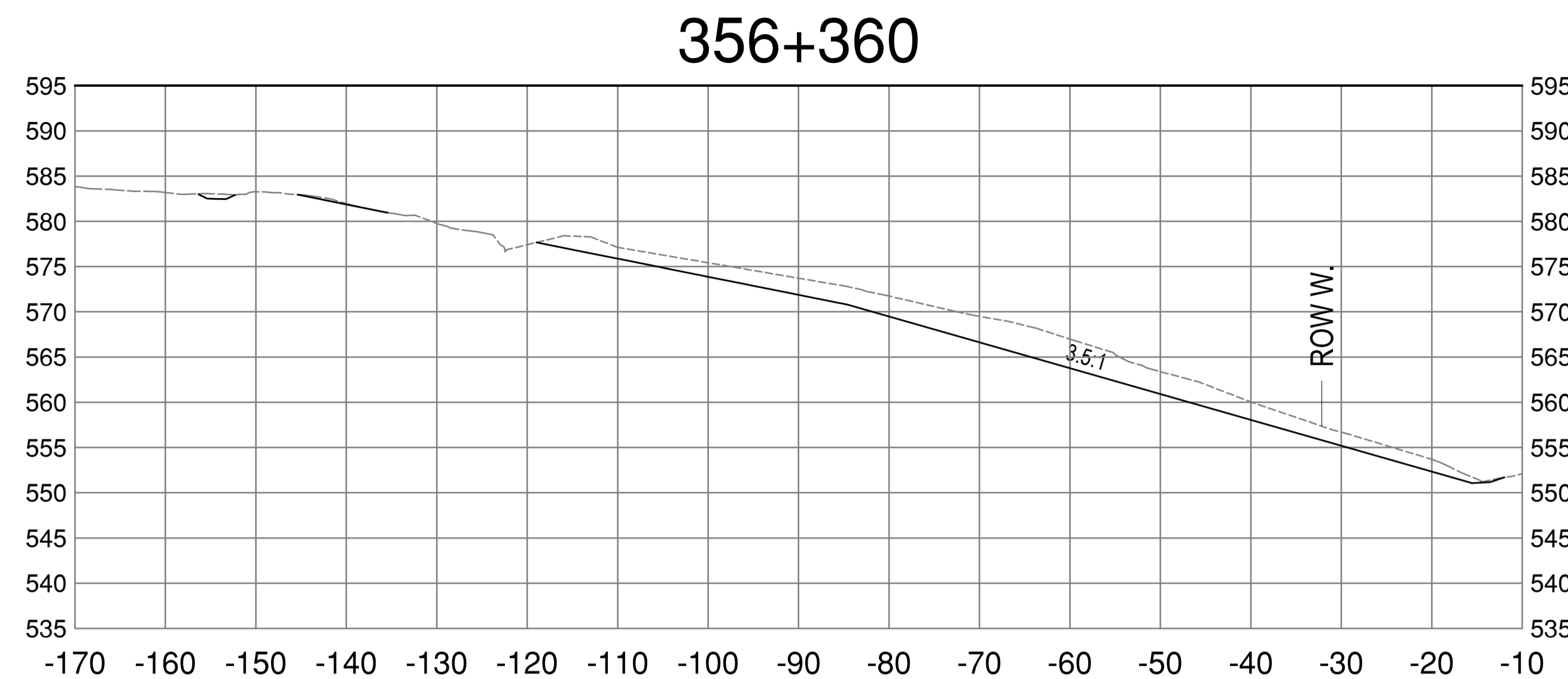
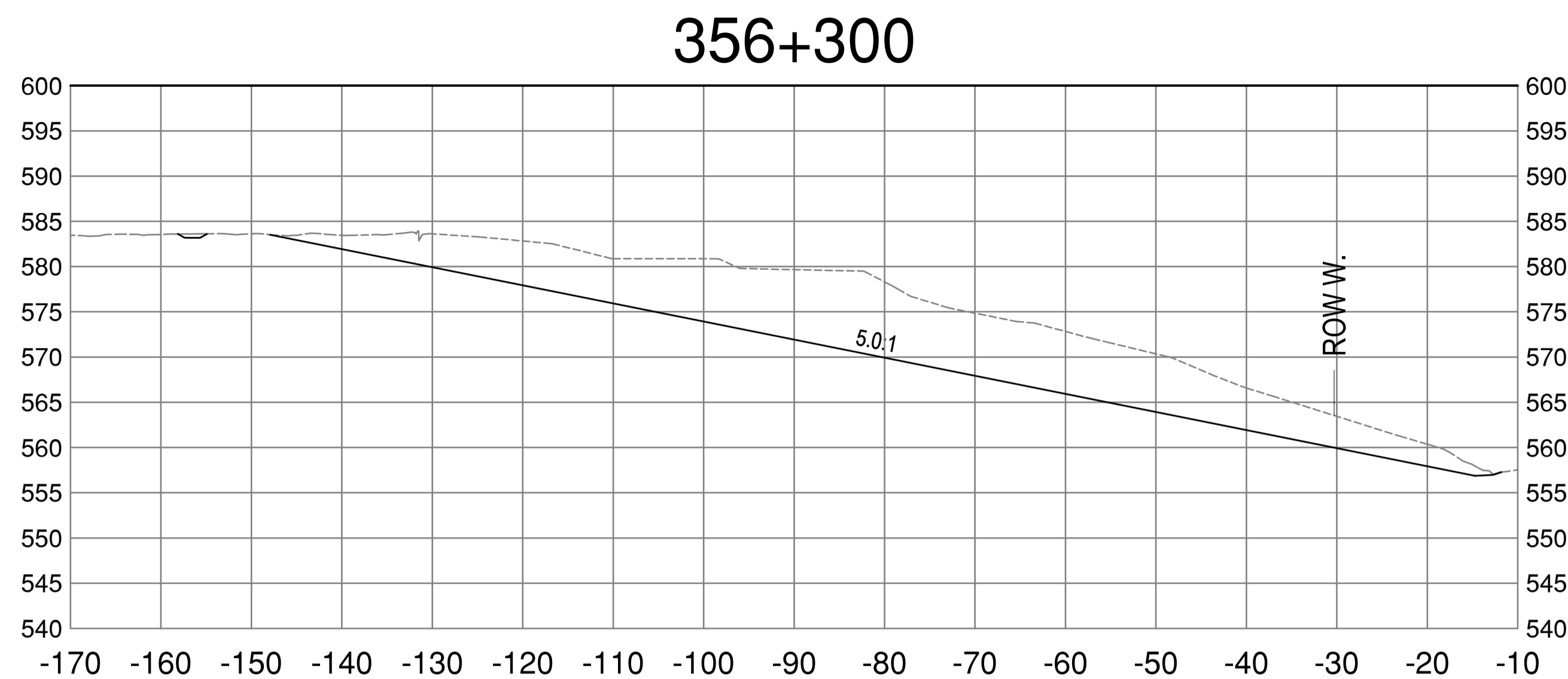
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C503	A

E:\030841300 - CAD\030841 CROSS SECTIONS.dwg [C503] September 28, 2020 - 3:27:20 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS TO BE HYDRAULIC SEEDED, INCLUDING TREE CLEARING AREA.



Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

Approved by/Approuvé par
S. LI

Designed by/Concepté par
H. ONG / A. HORWOOD

Drawn by/Dessiné par
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI

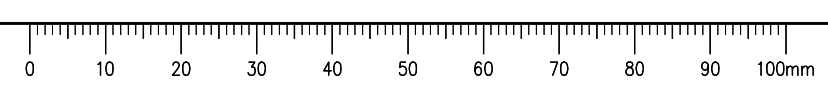
PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
**CROSS-SECTIONS
STA.356+260 TO 356+360**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C504	A

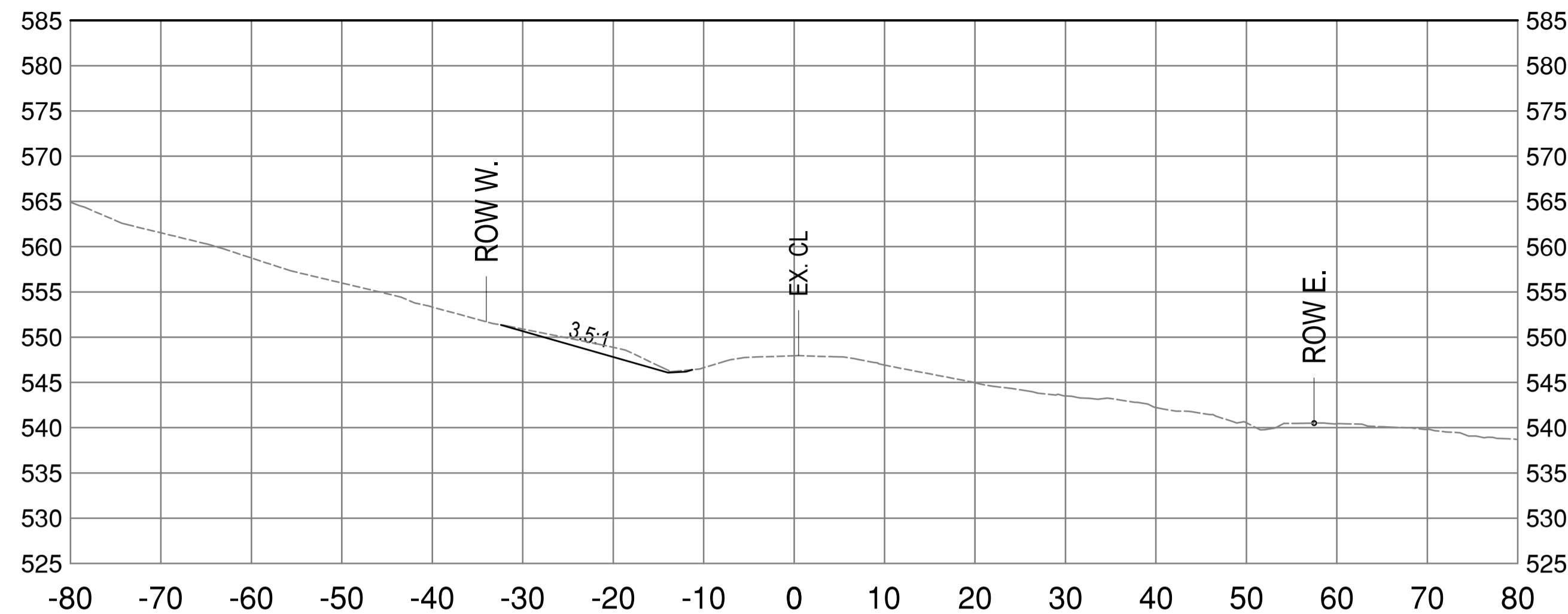
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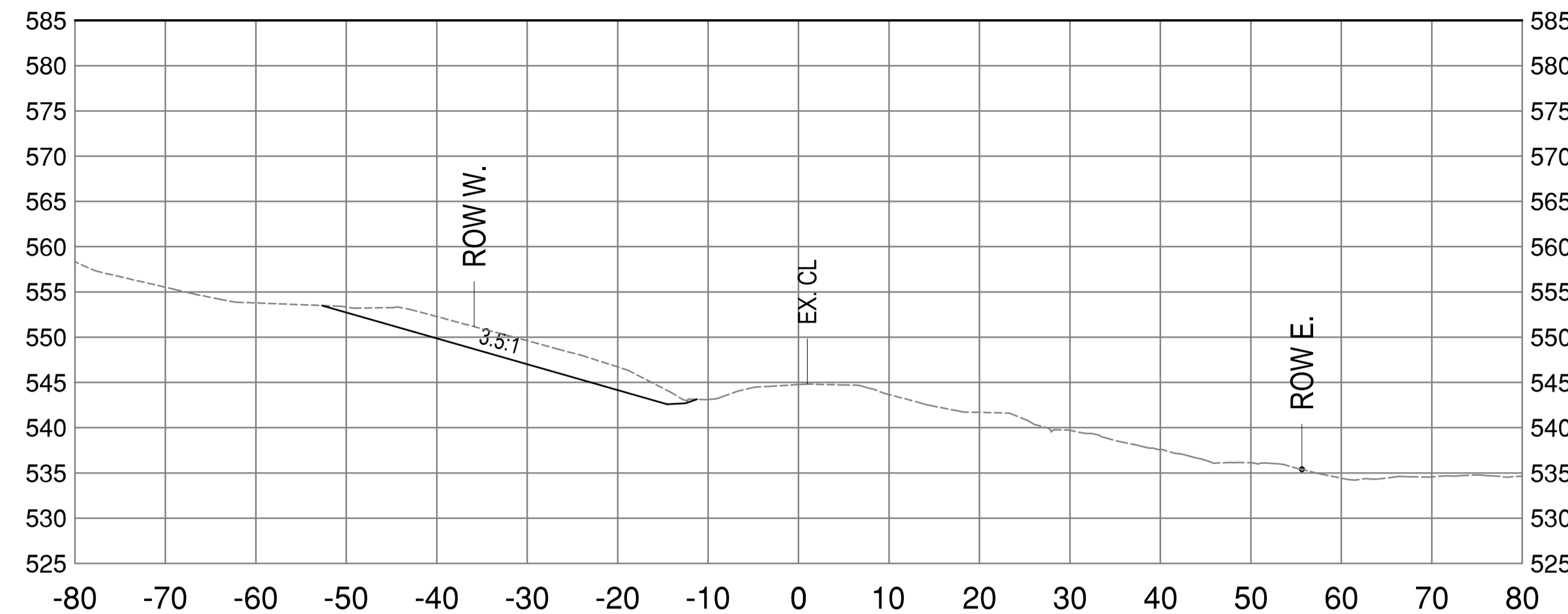
ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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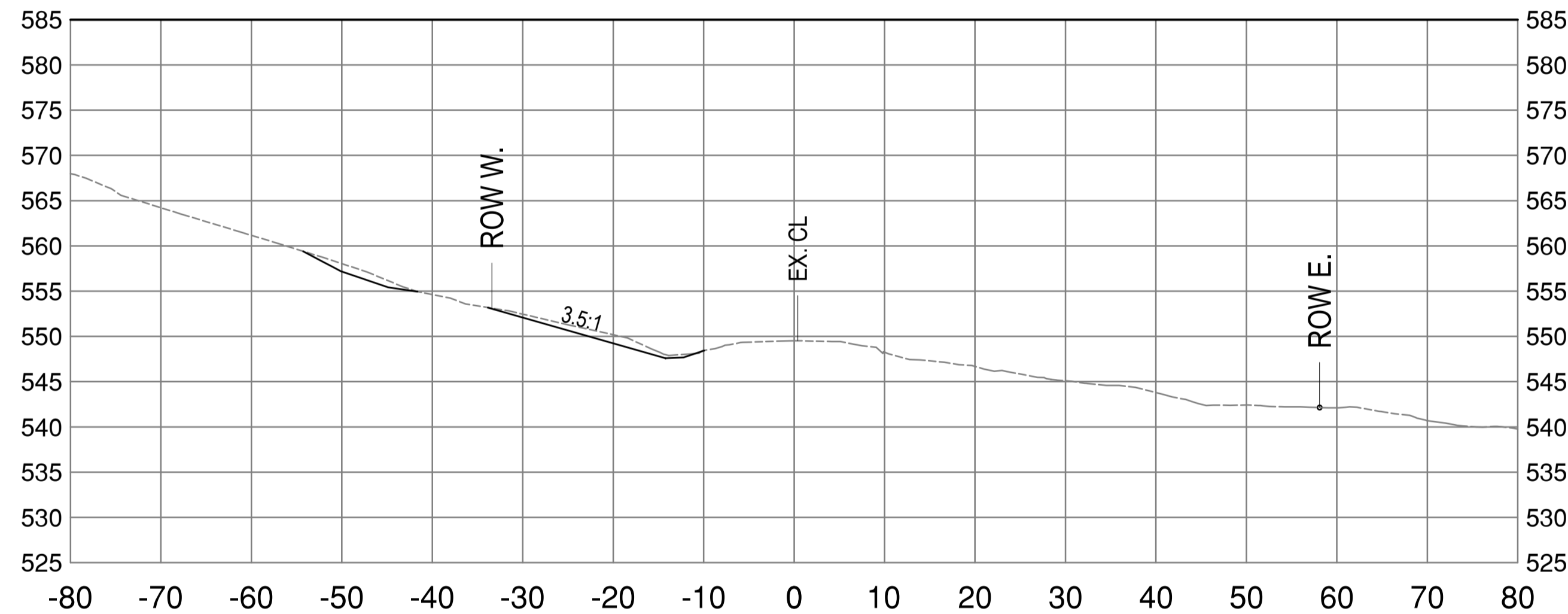
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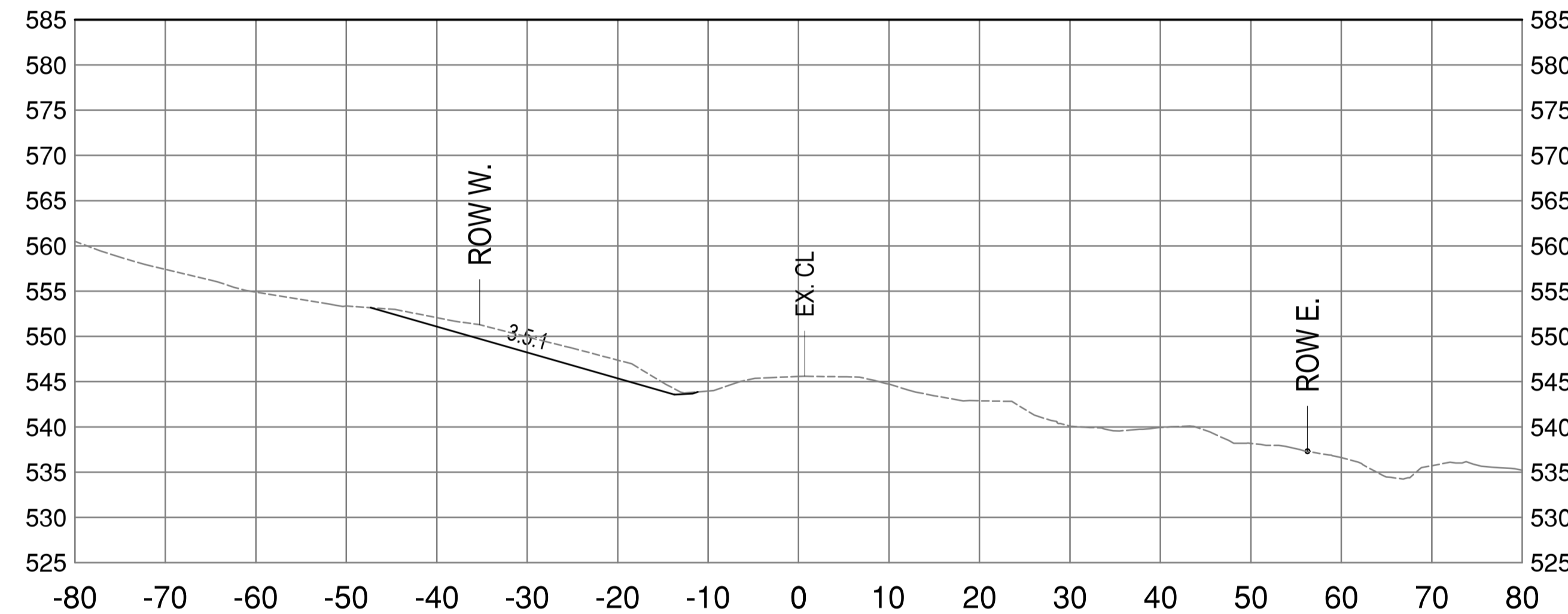
356+480



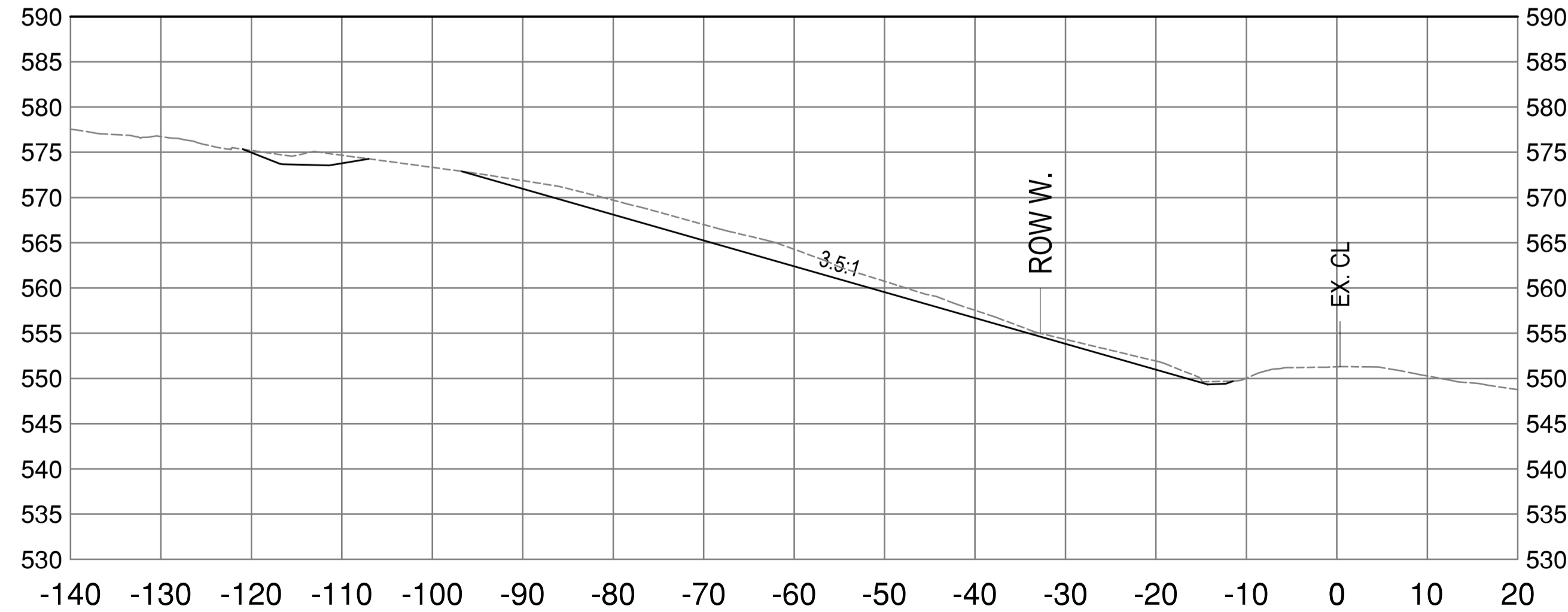
356+400



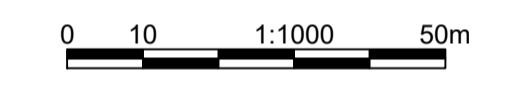
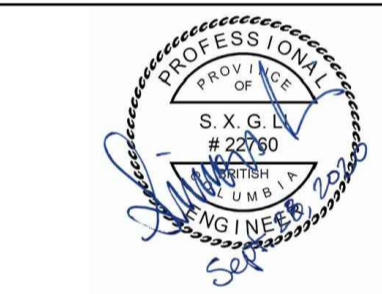
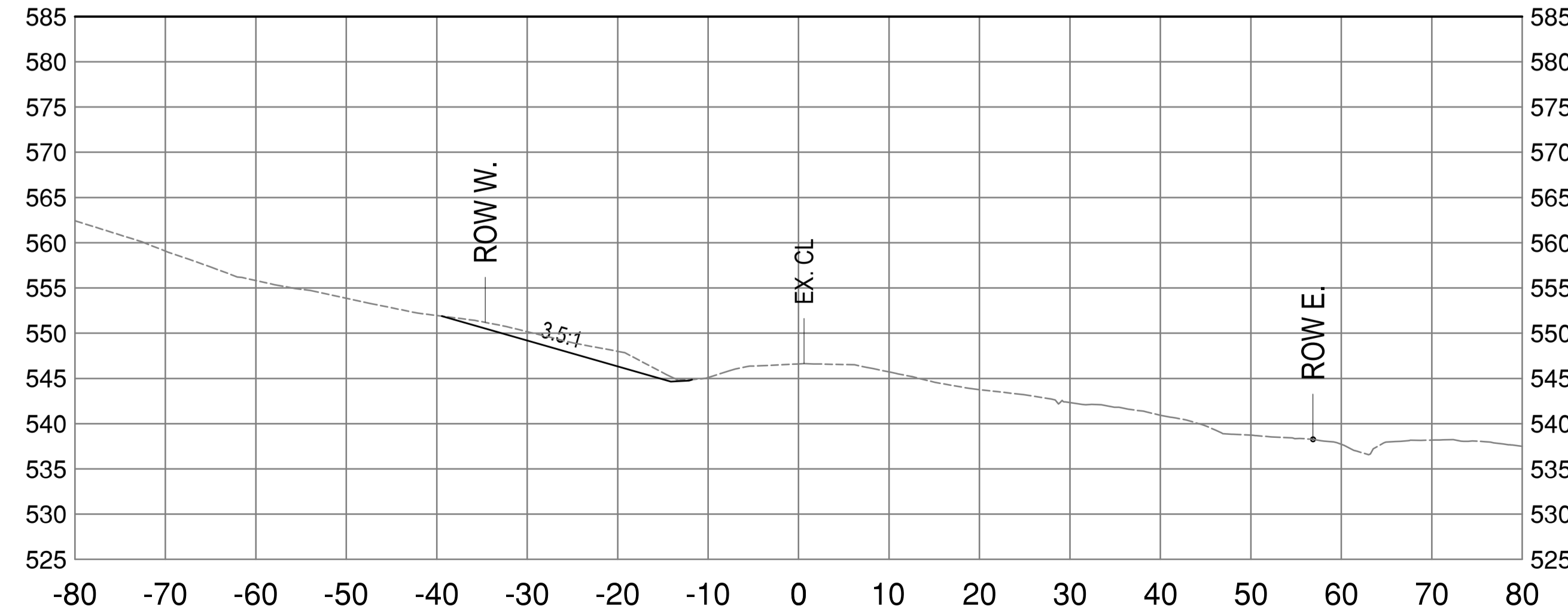
356+460



356+380



356+440



Revision/Revisión	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

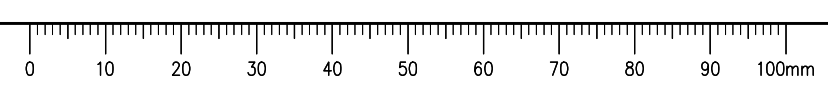
Approved by/Approuvé par
S. LI
Designed by/Concept par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
**CROSS-SECTIONS
STA.356+380 TO 356+480**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C505	A

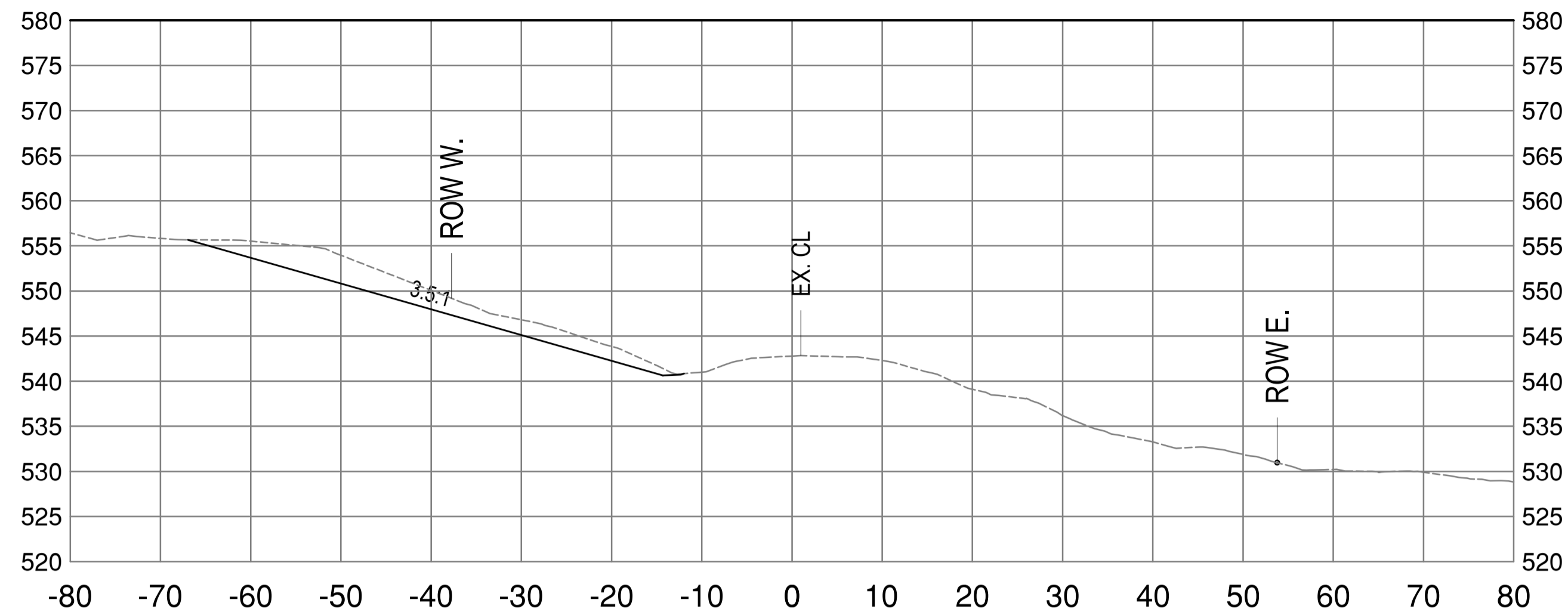
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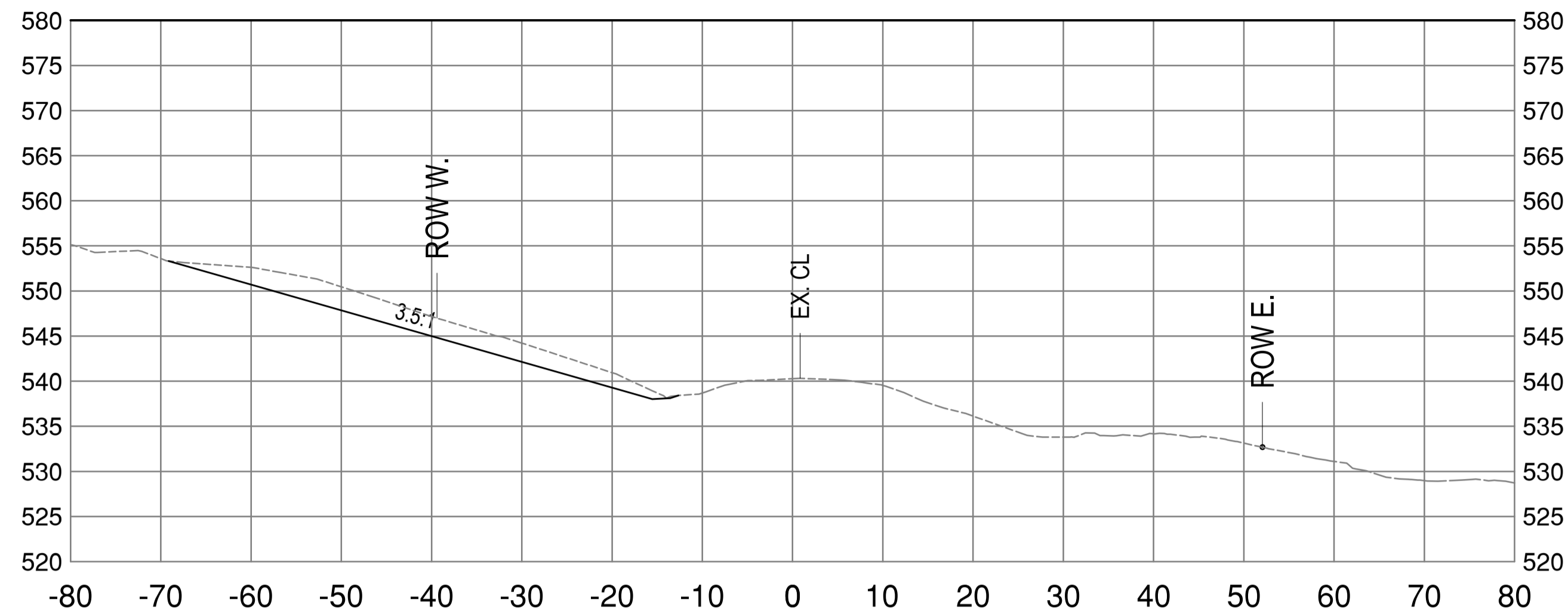
ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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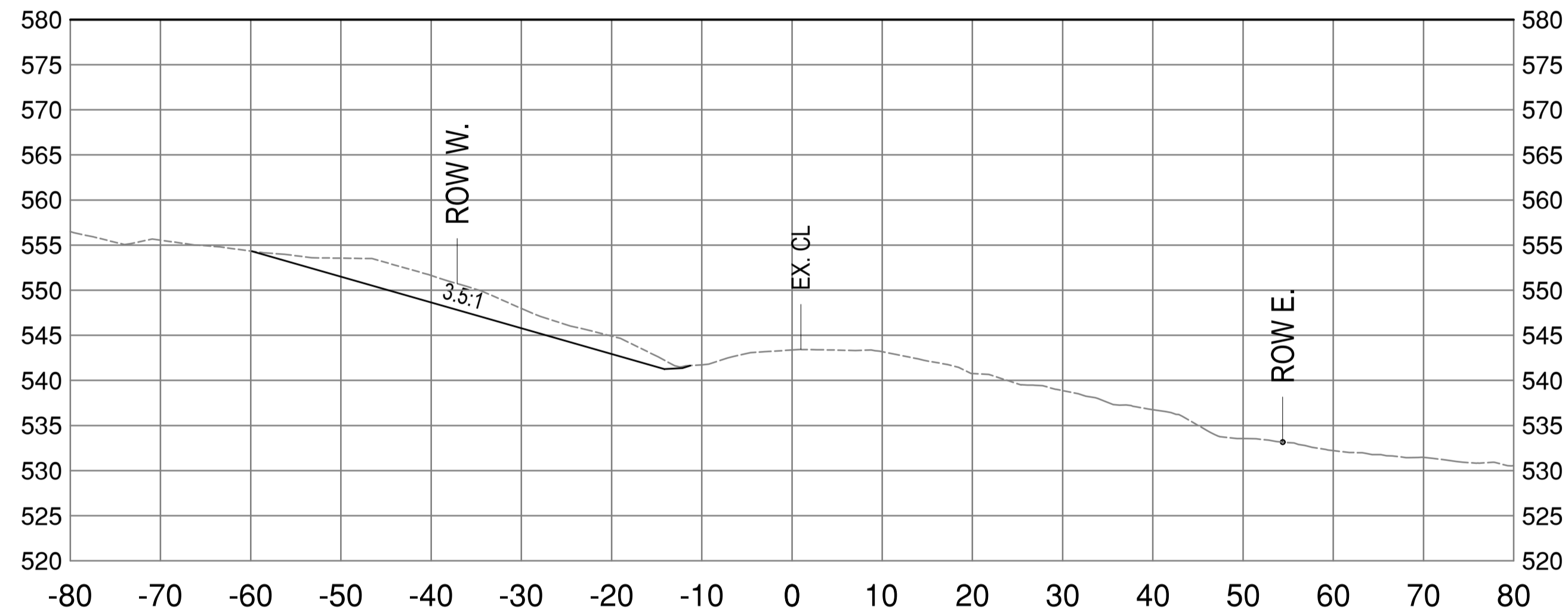
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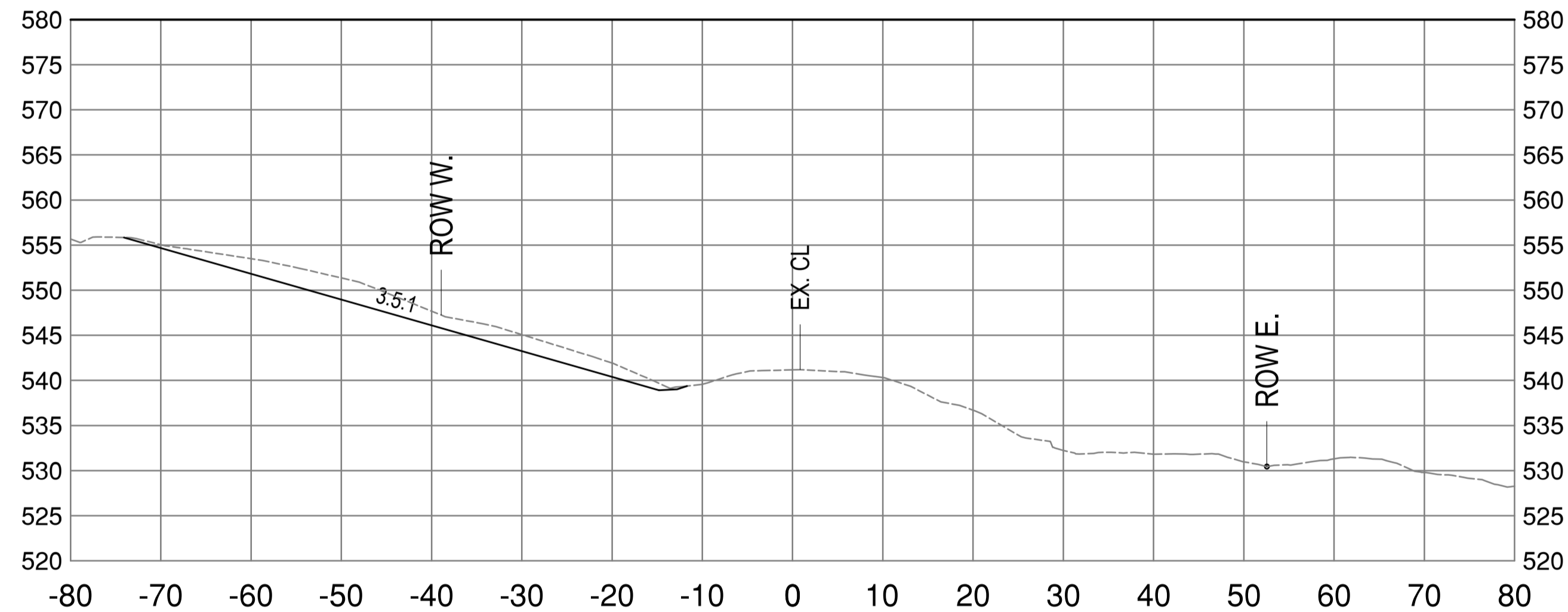
356+600



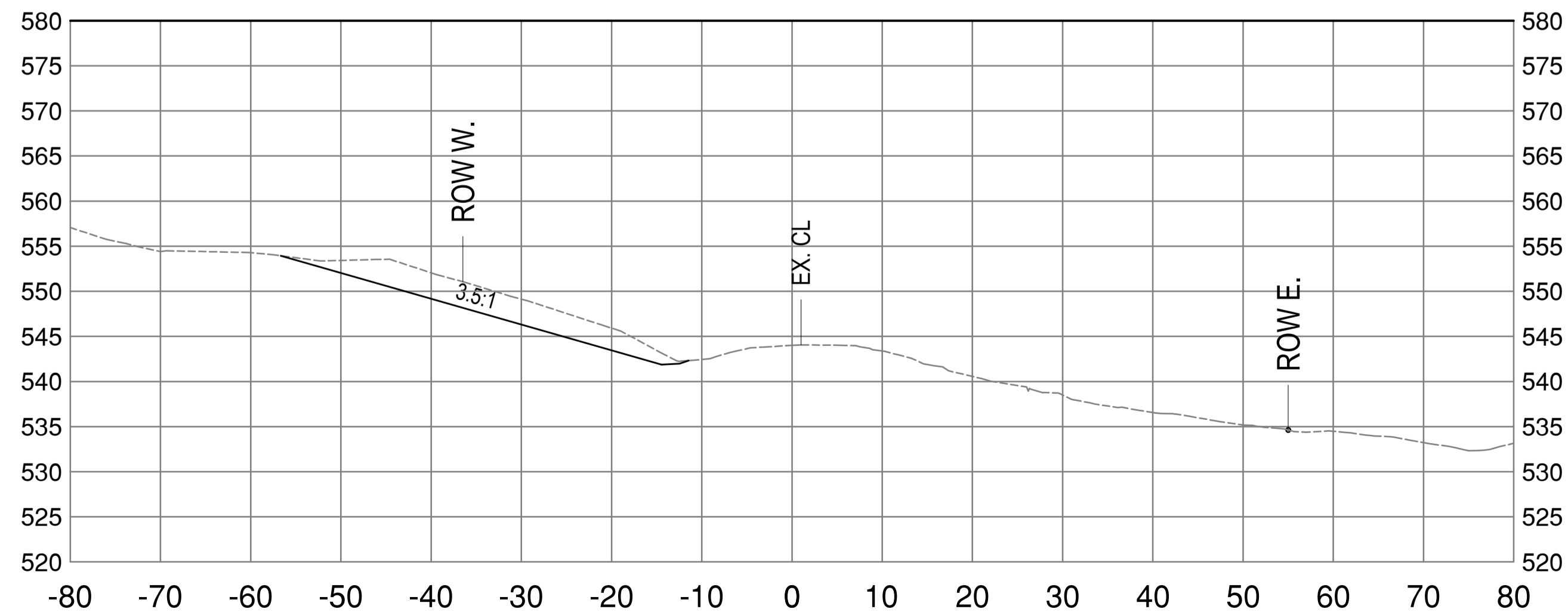
356+520



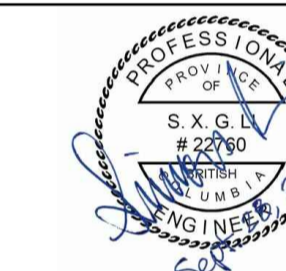
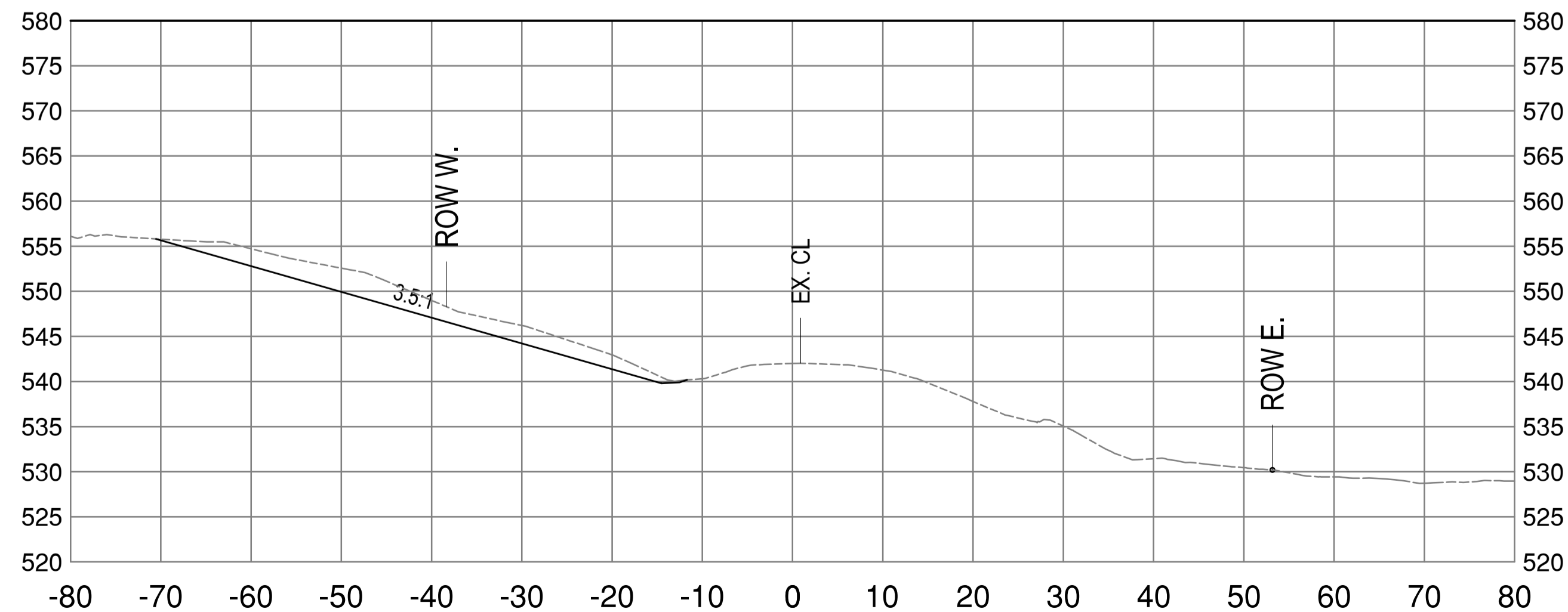
356+580



356+500



356+560



Revision/Revisión	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**



Project title/Titre du projet:
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

Approved by/Approuvé par:
S. LI

Designed by/Concepté par:
H. ONG / A. HORWOOD

Drawn by/Dessiné par:
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC:
A. TAHERI

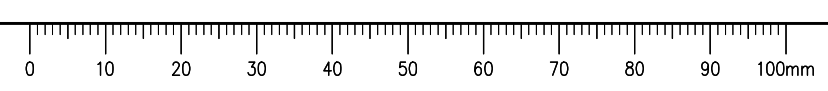
PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client:
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin:
**CROSS-SECTIONS
STA.356+500 TO 356+600**

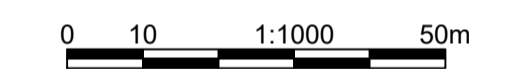
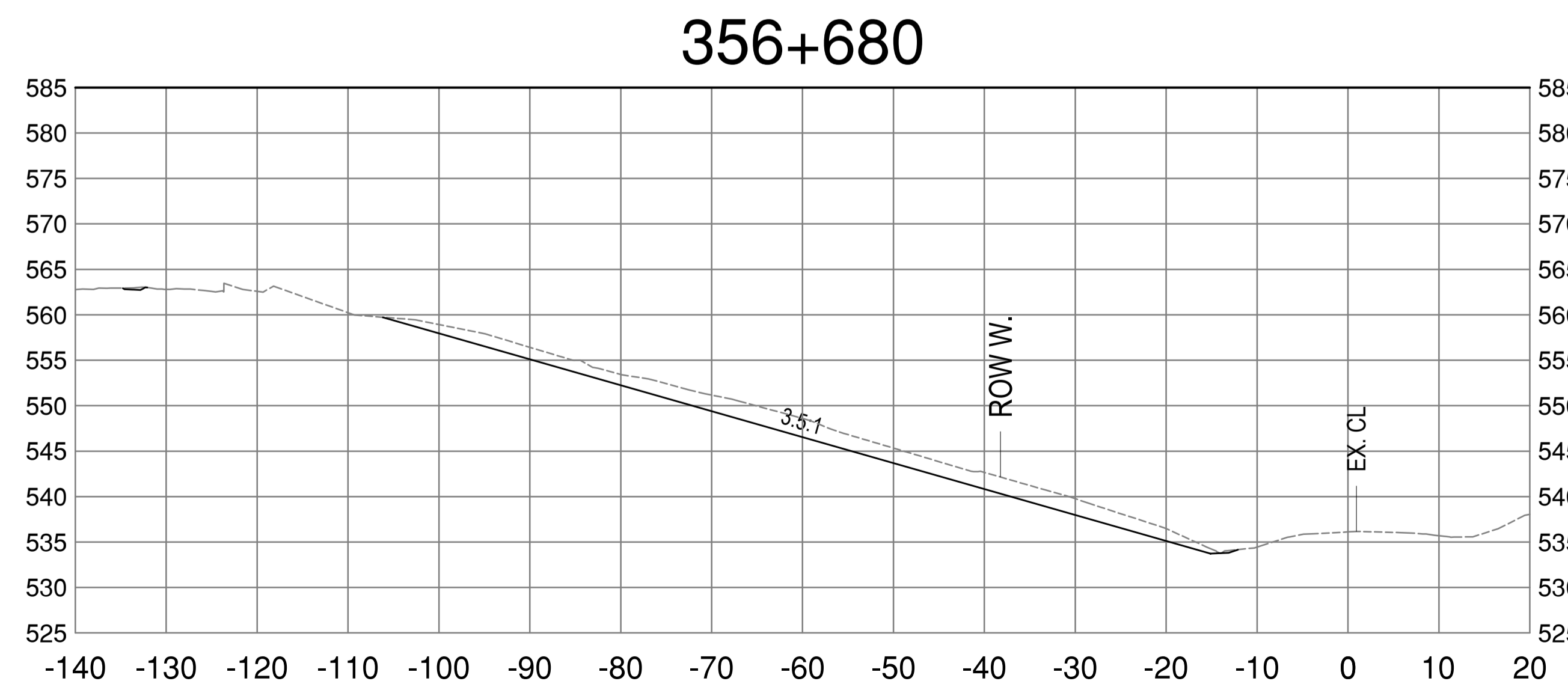
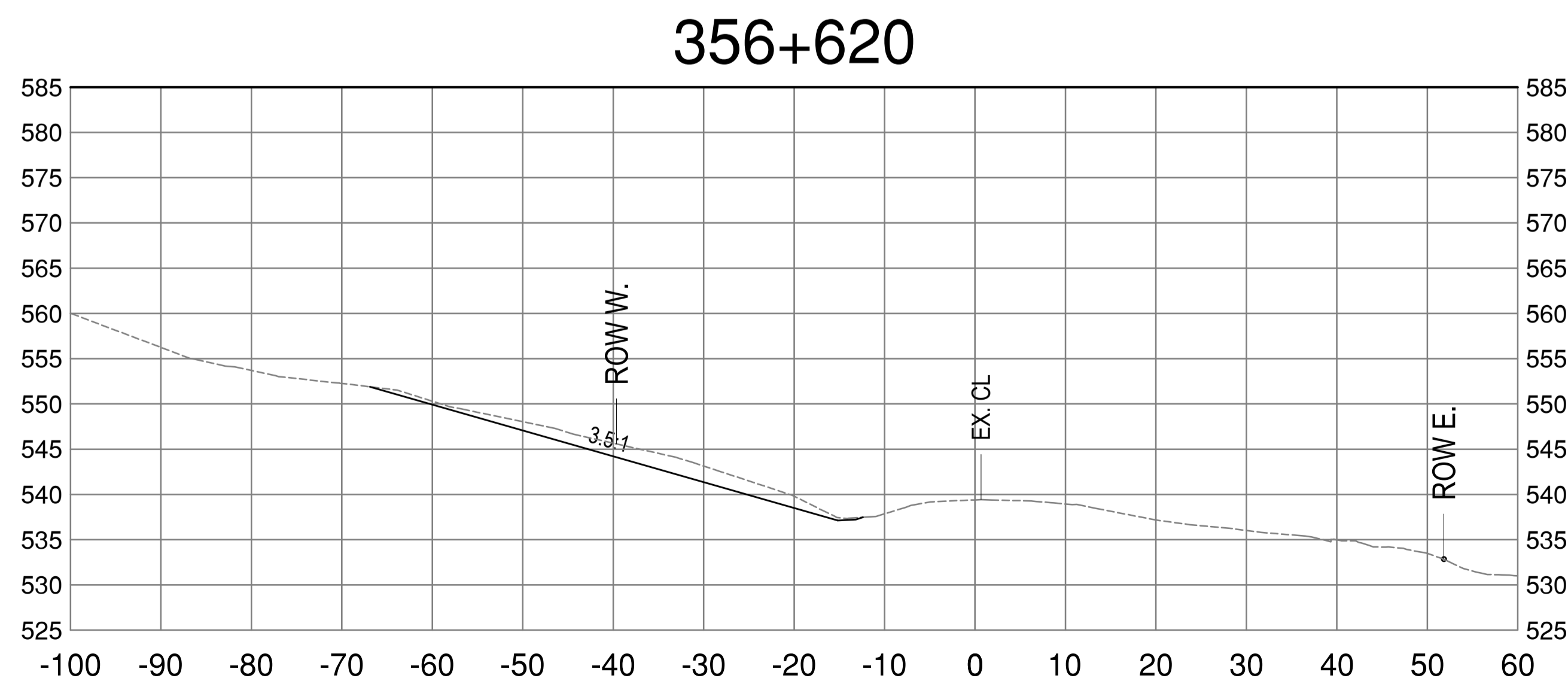
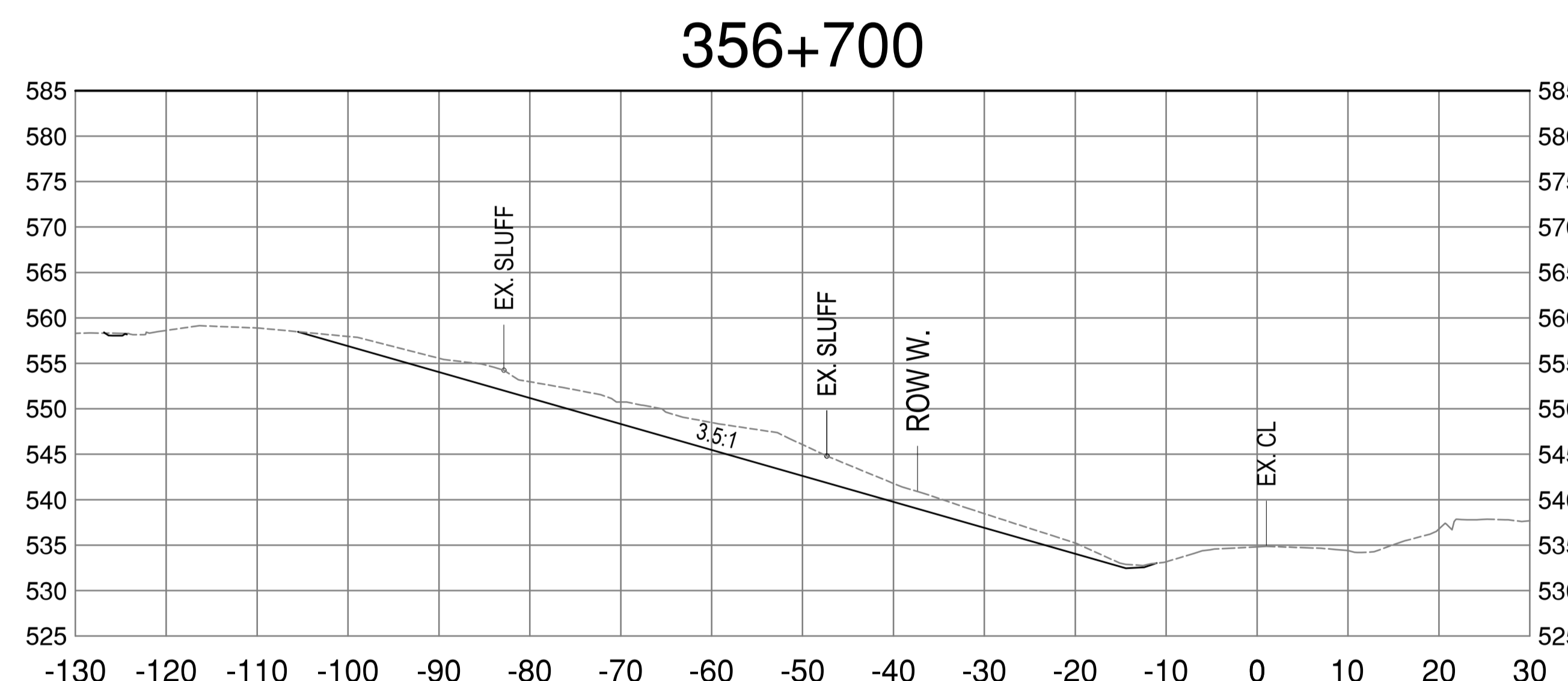
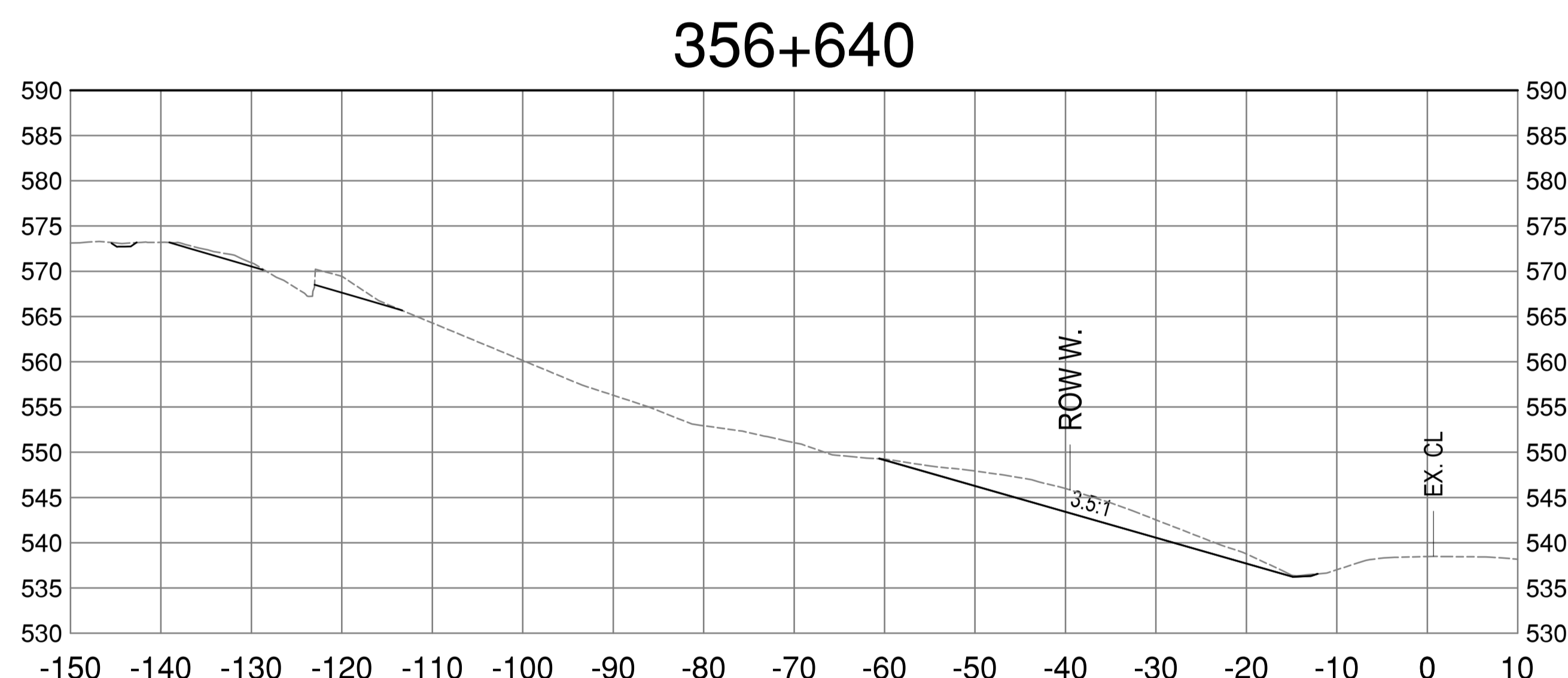
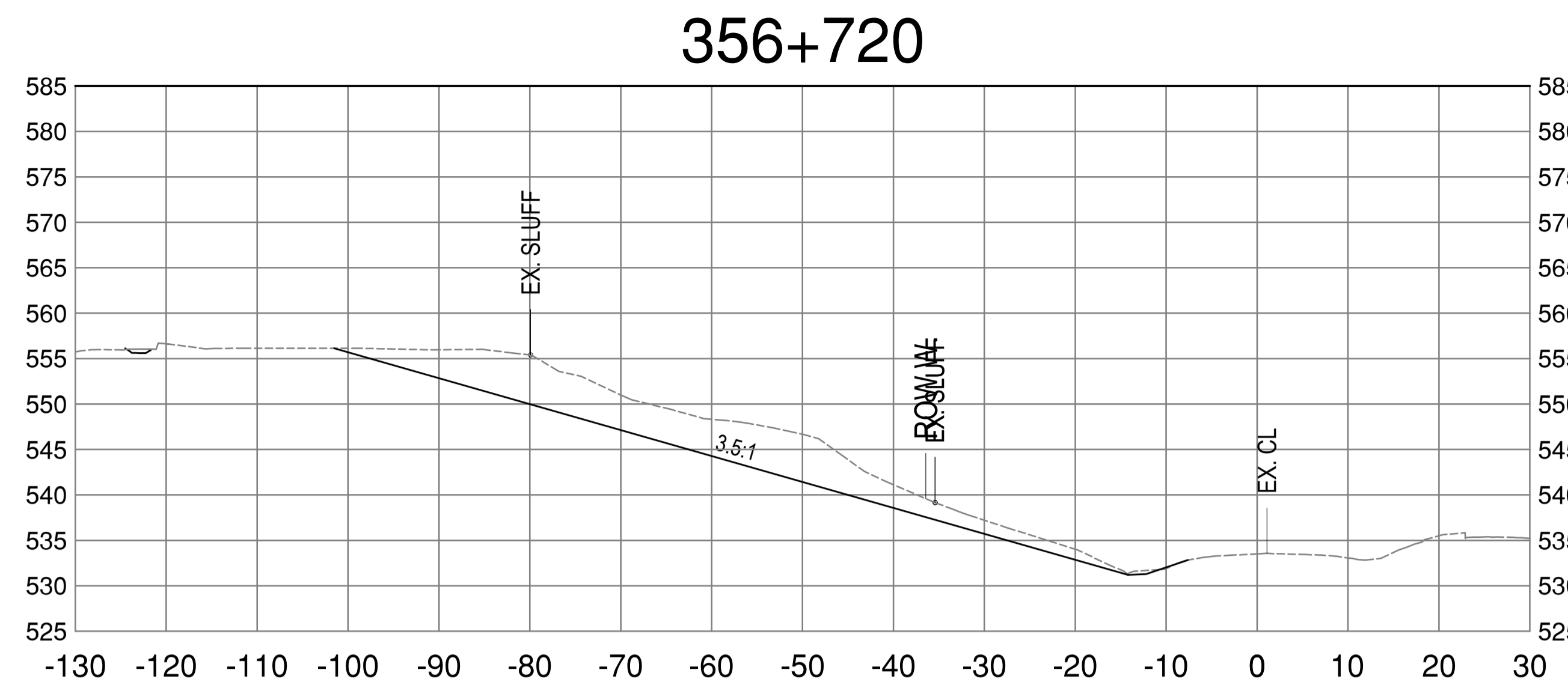
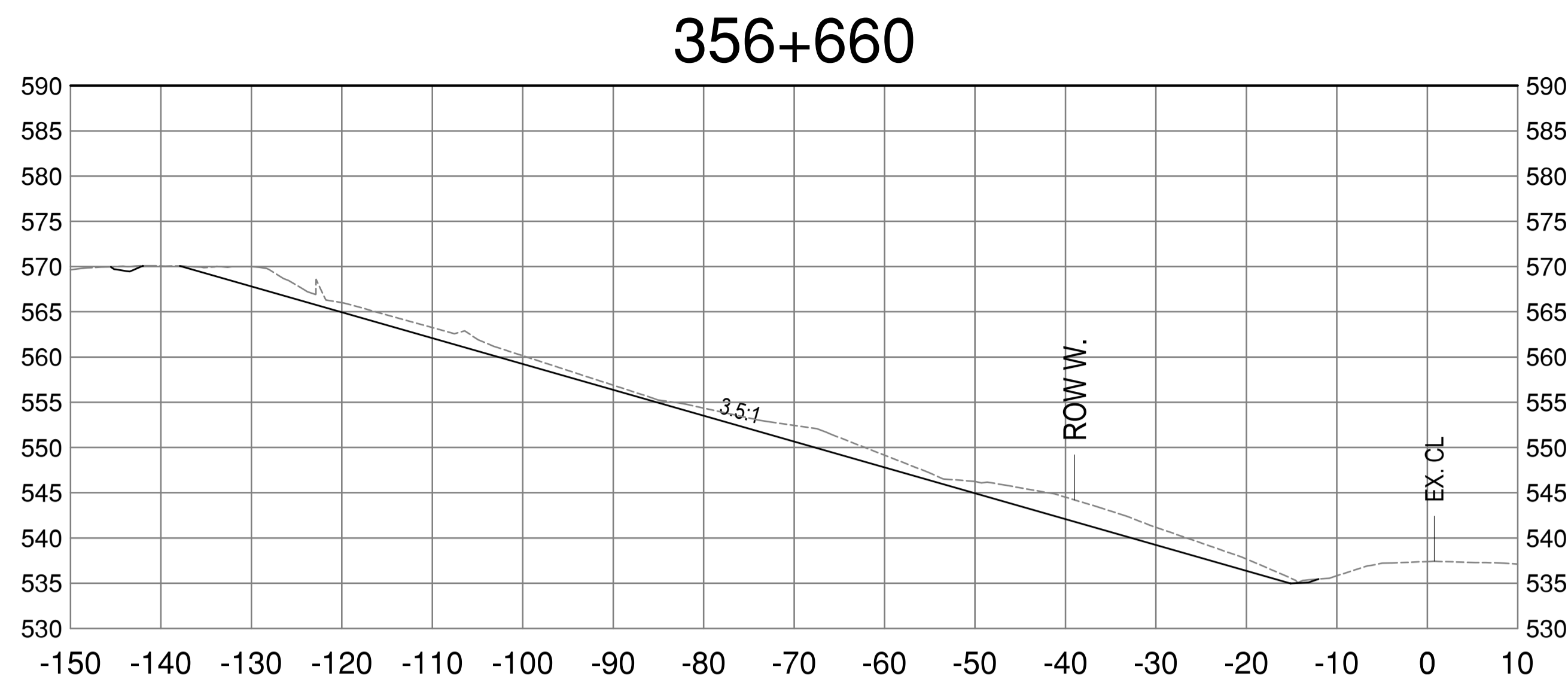
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C506	A

E:\0308413001 - CAD\030841 CROSS SECTIONS.dwg [C506] September 20, 2020 - 3:28:13 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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Revision/Édition	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

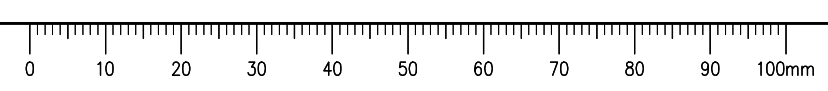
Approved by/Approuvé par
S. LI
Designed by/Concept par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
**CROSS-SECTIONS
STA.356+620 TO 356+720**

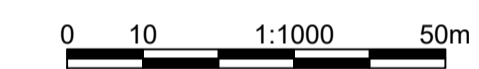
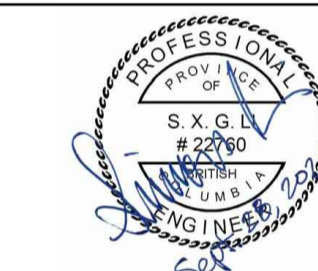
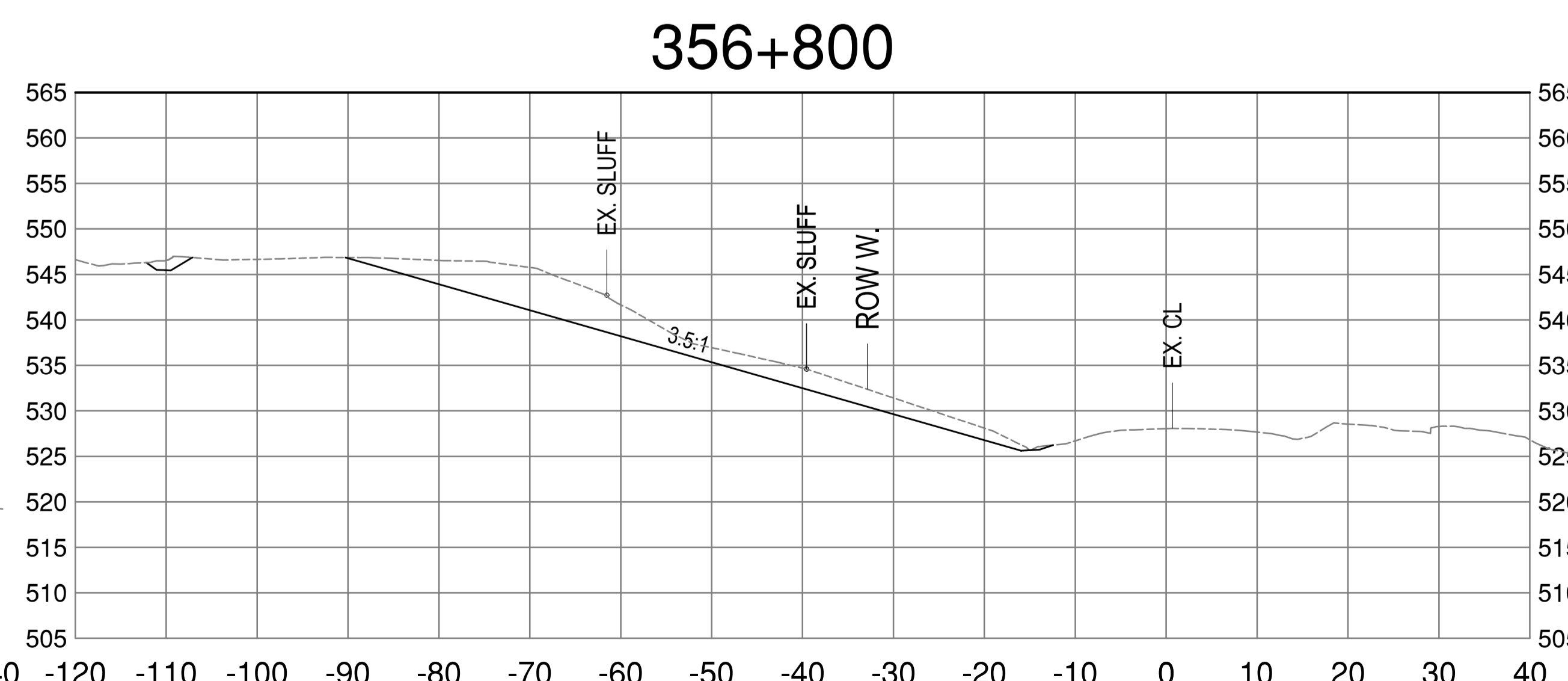
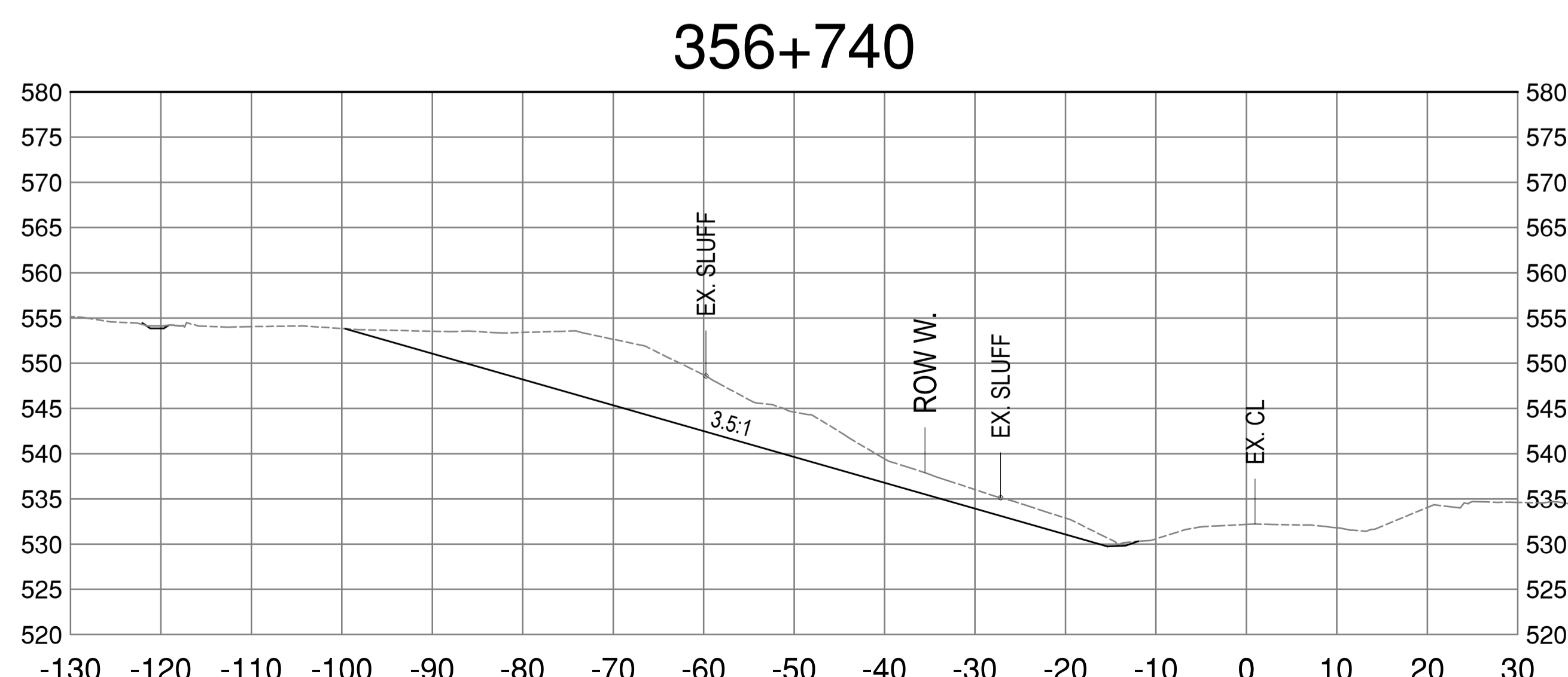
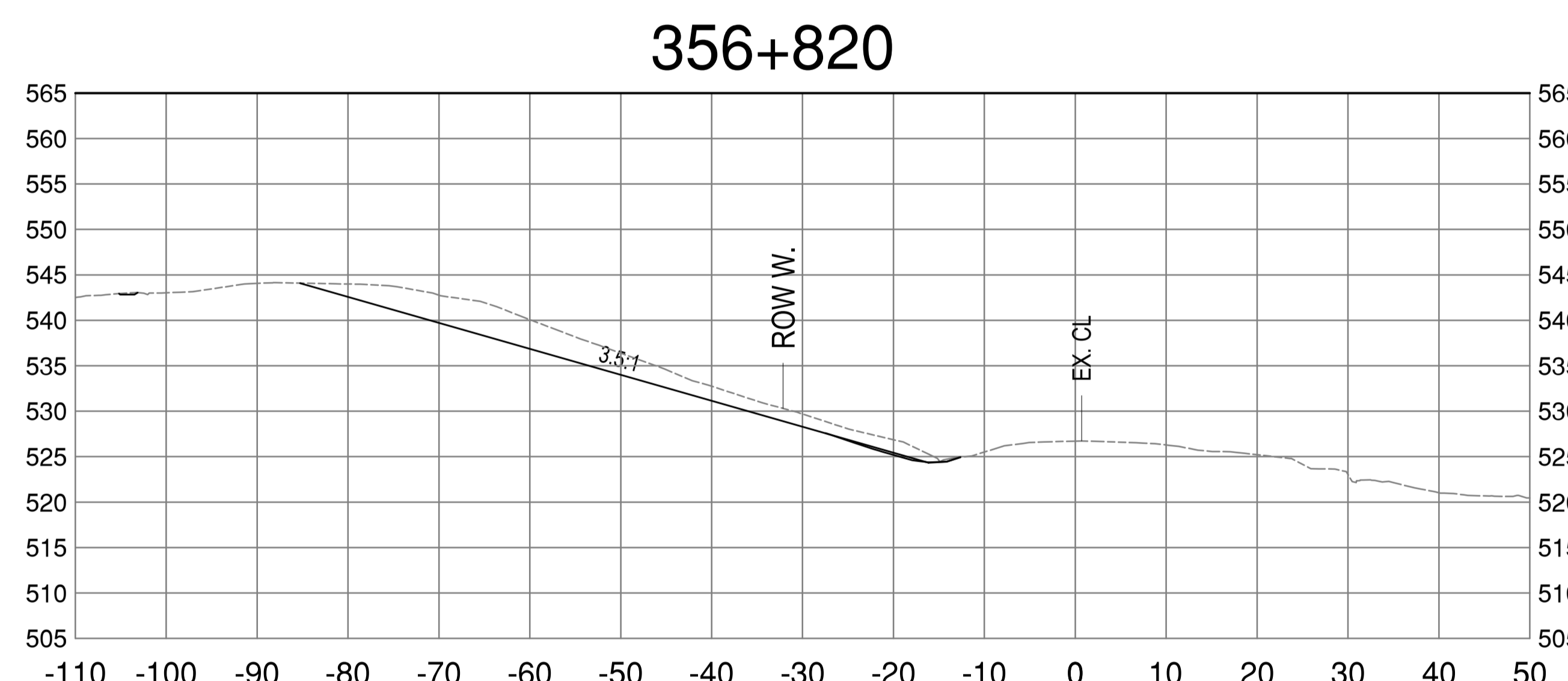
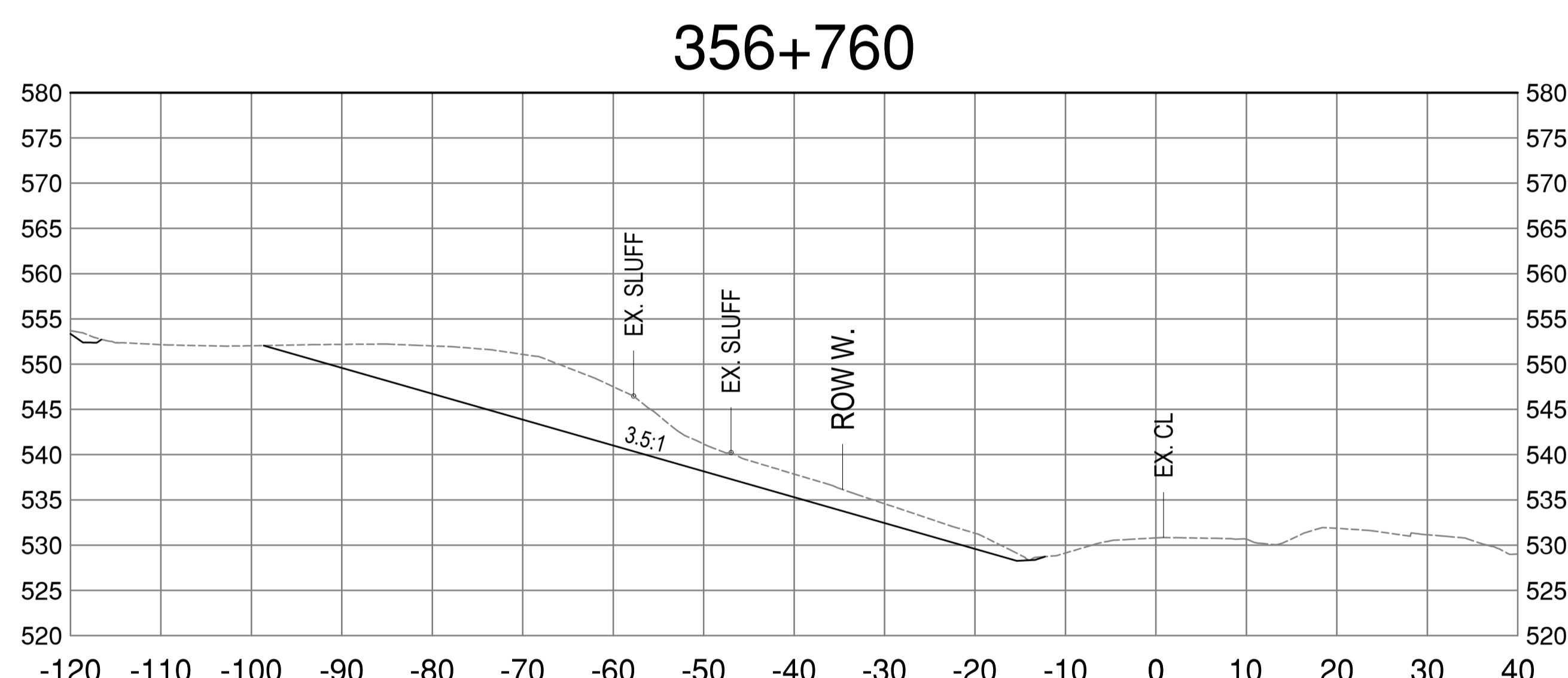
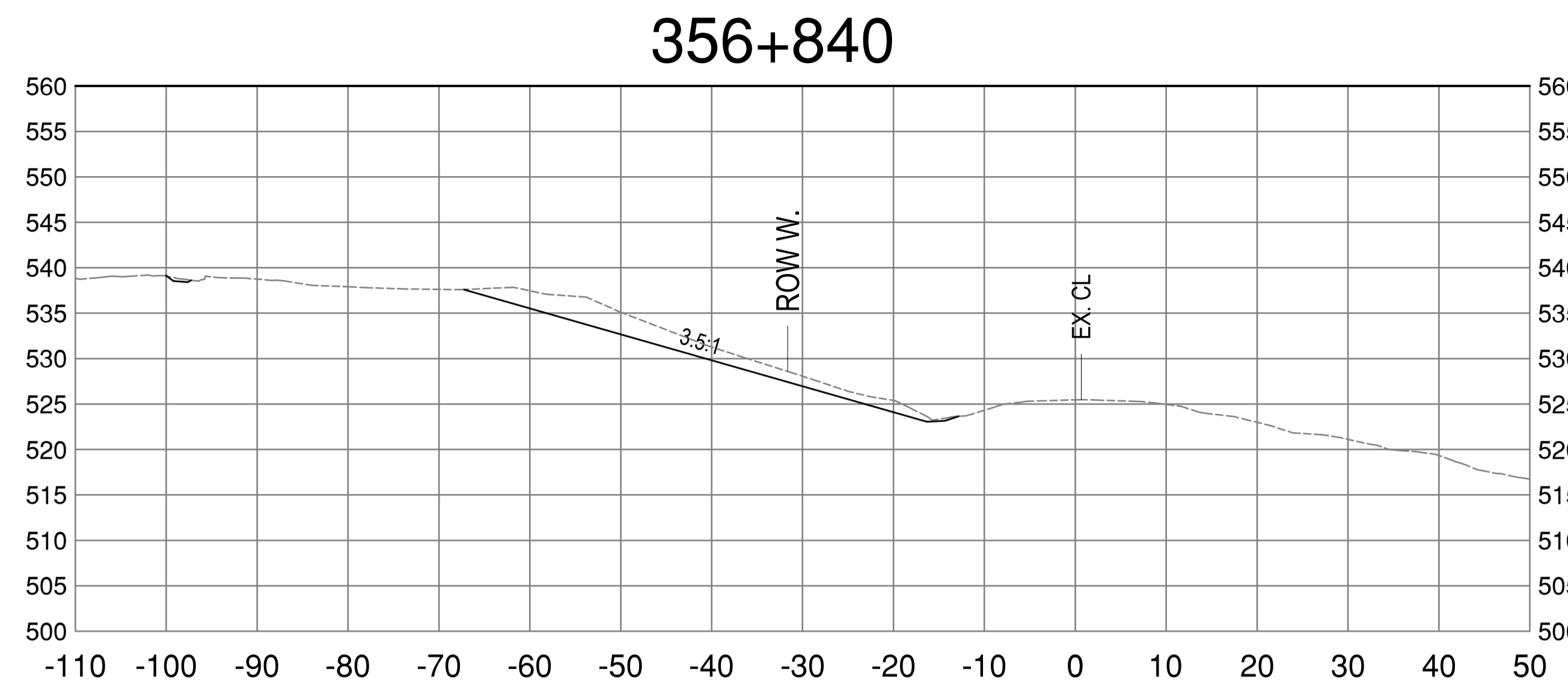
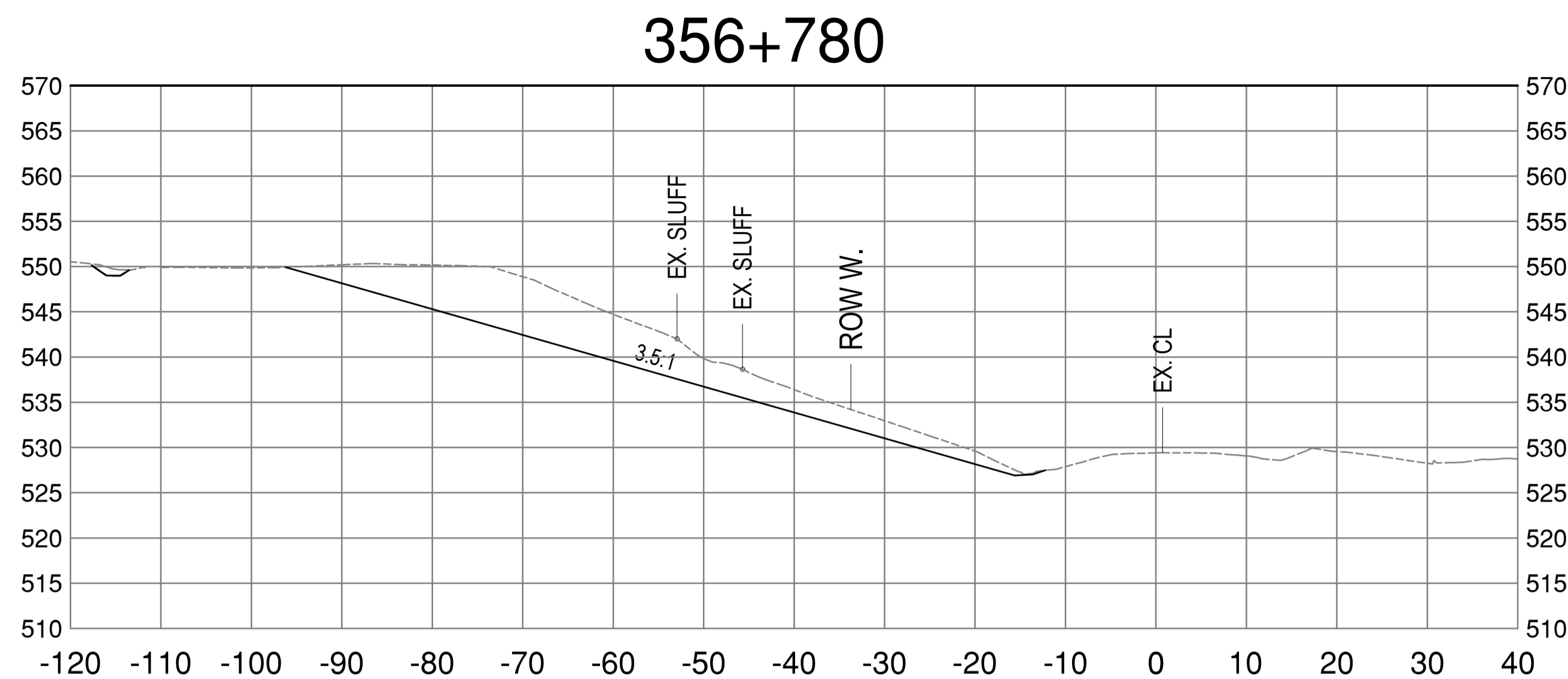
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.119901.002	C507	A

E:\030841300 - CAD\030841 CROSS SECTIONS.dwg [C507] September 20, 2020 - 3:28:27 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
**KM 355.5 - KM 359.5
 BOUGIE CREEK
 CUT SLOPE AND HIGHWAY
 EMBANKMENT STABILIZATION**

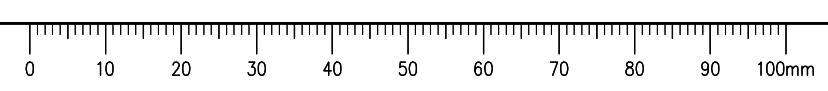
Approved by/Approuvé par
S. LI
 Designed by/Concepté par
H. ONG / A. HORWOOD
 Drawn by/Dessiné par
H. ONG
 PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
 PSPC Architectural and Engineering Resources Manager/
 Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
**CROSS-SECTIONS
 STA.357+740 TO 356+840**

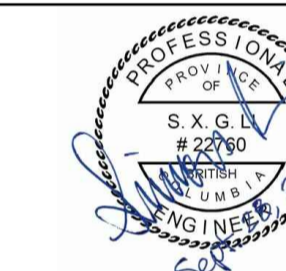
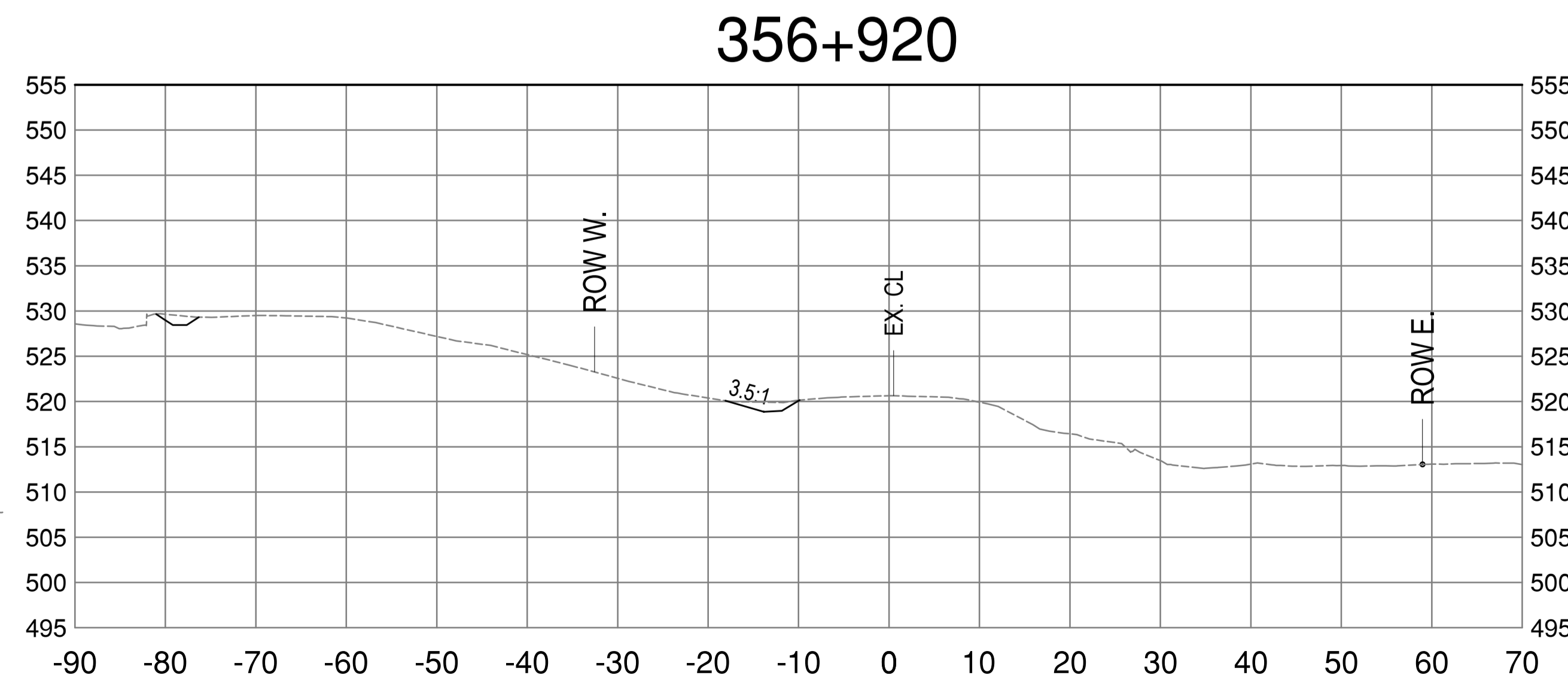
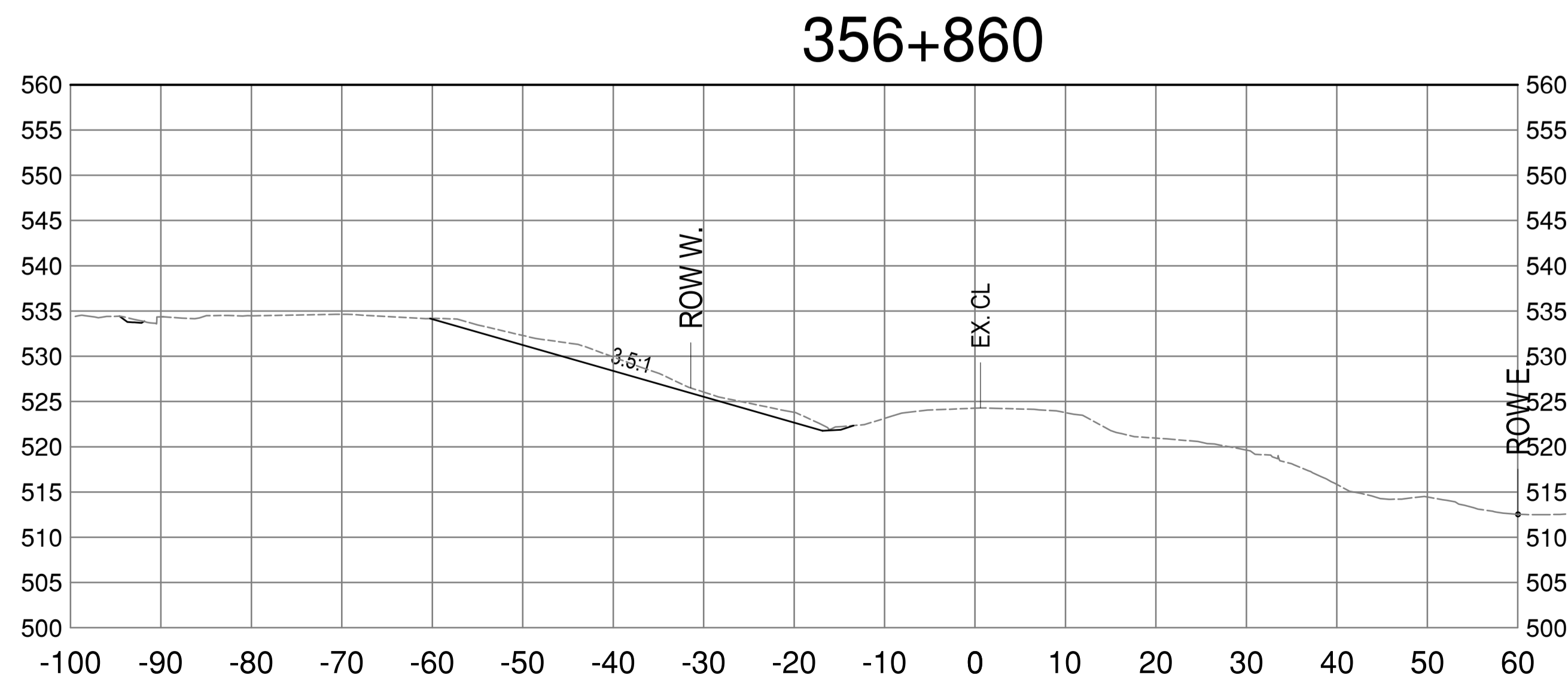
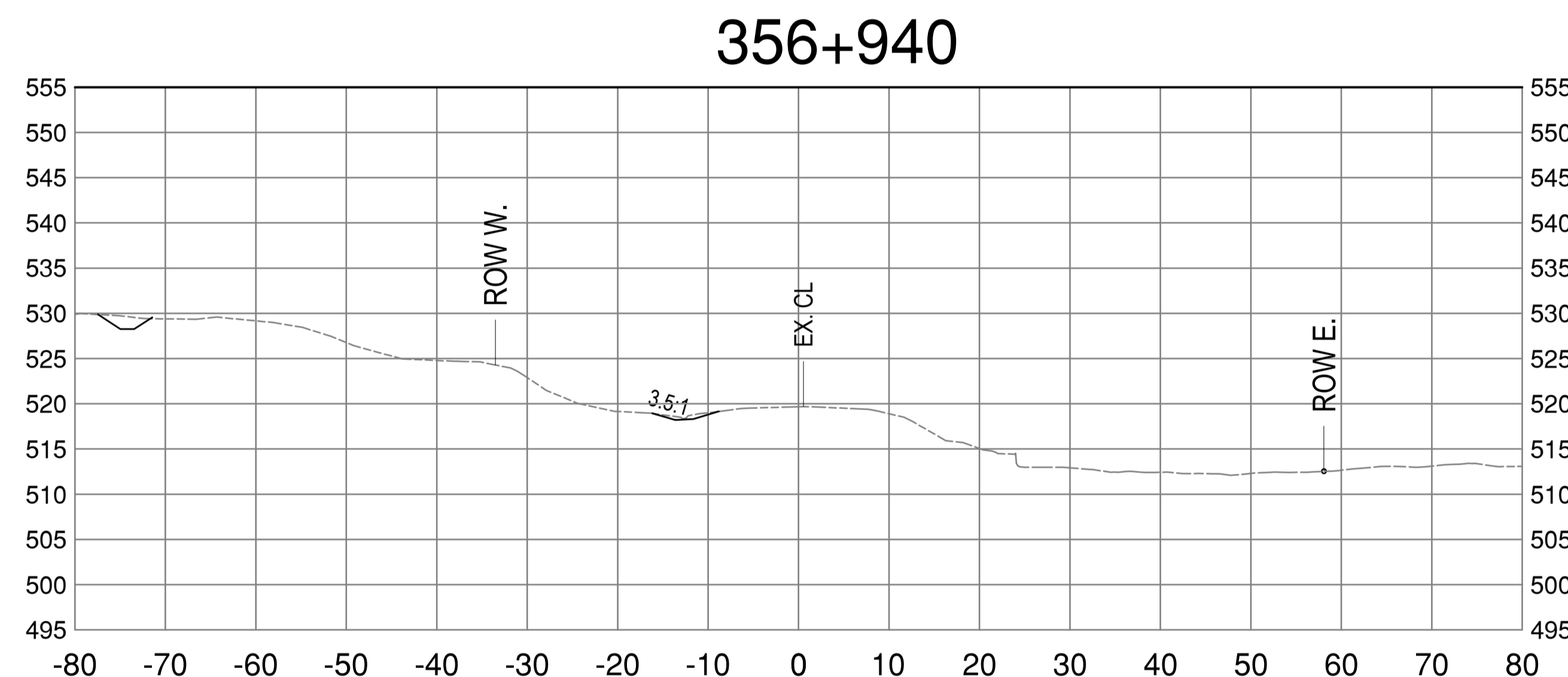
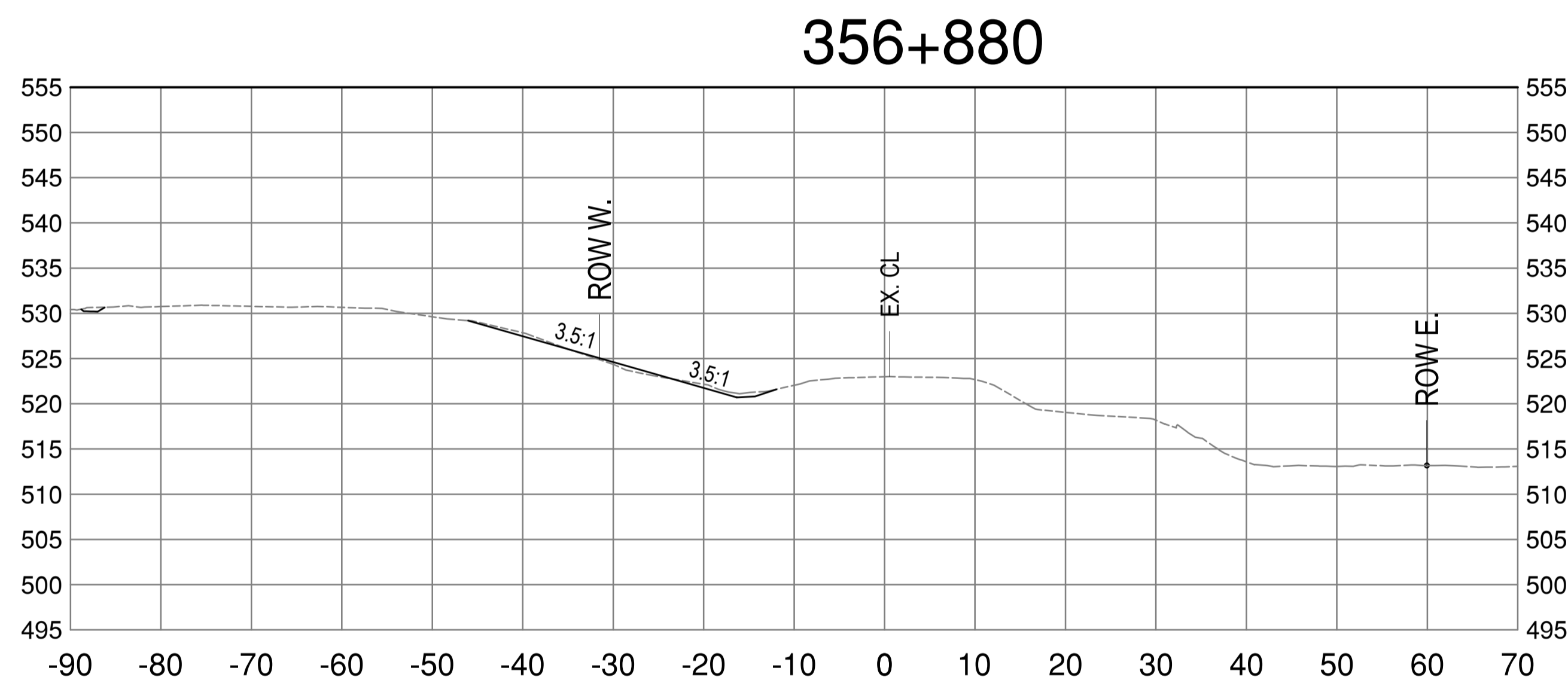
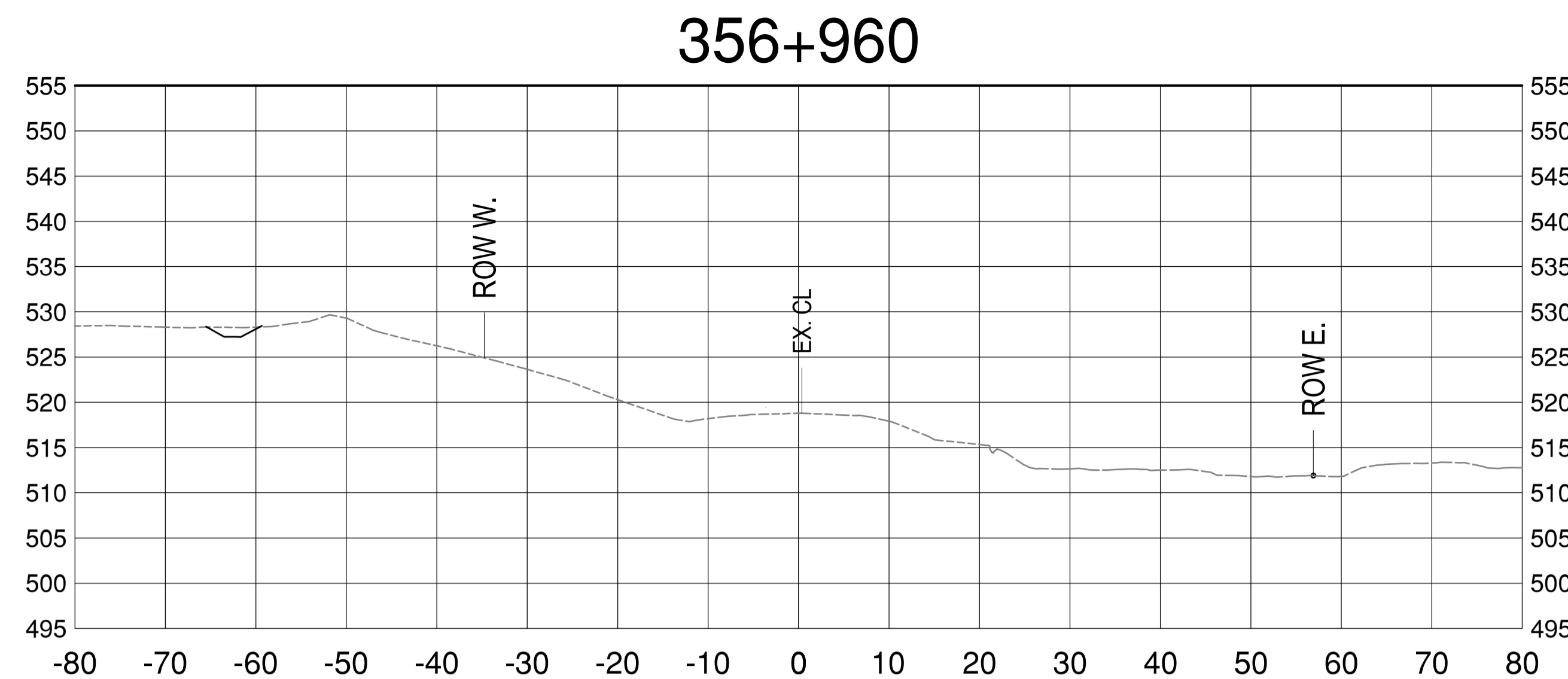
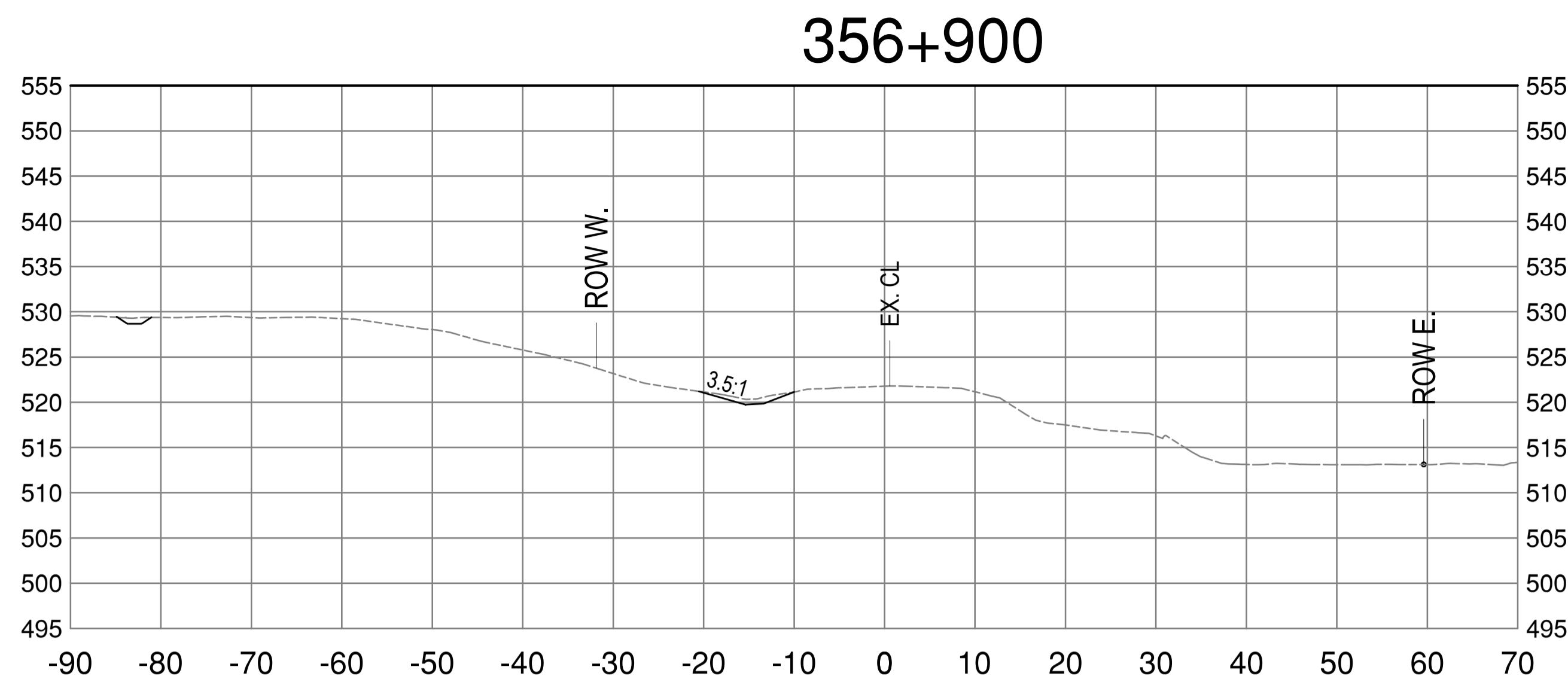
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C508	A

E:\030841300 - CAD\030841 CROSS SECTIONS.dwg [C508] September 20, 2020 - 3:28:41 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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Revision/Revisão	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

PUBLIC SERVICES AND PROCUREMENT CANADA



Project Title/Titre du projet
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

Approved by/Approuvé par
S. LI

Designed by/Concept par
H. ONG / A. HORWOOD

Drawn by/Dessiné par
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI

PSPC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, SPAC

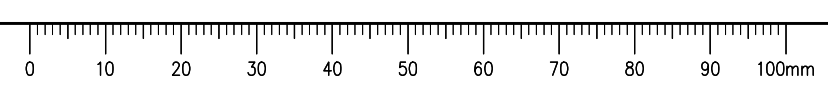
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing Title/Titre du dessin

**CROSS-SECTIONS
STA.357+860 TO 357+960**

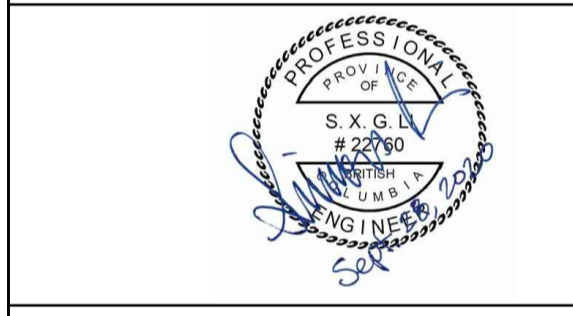
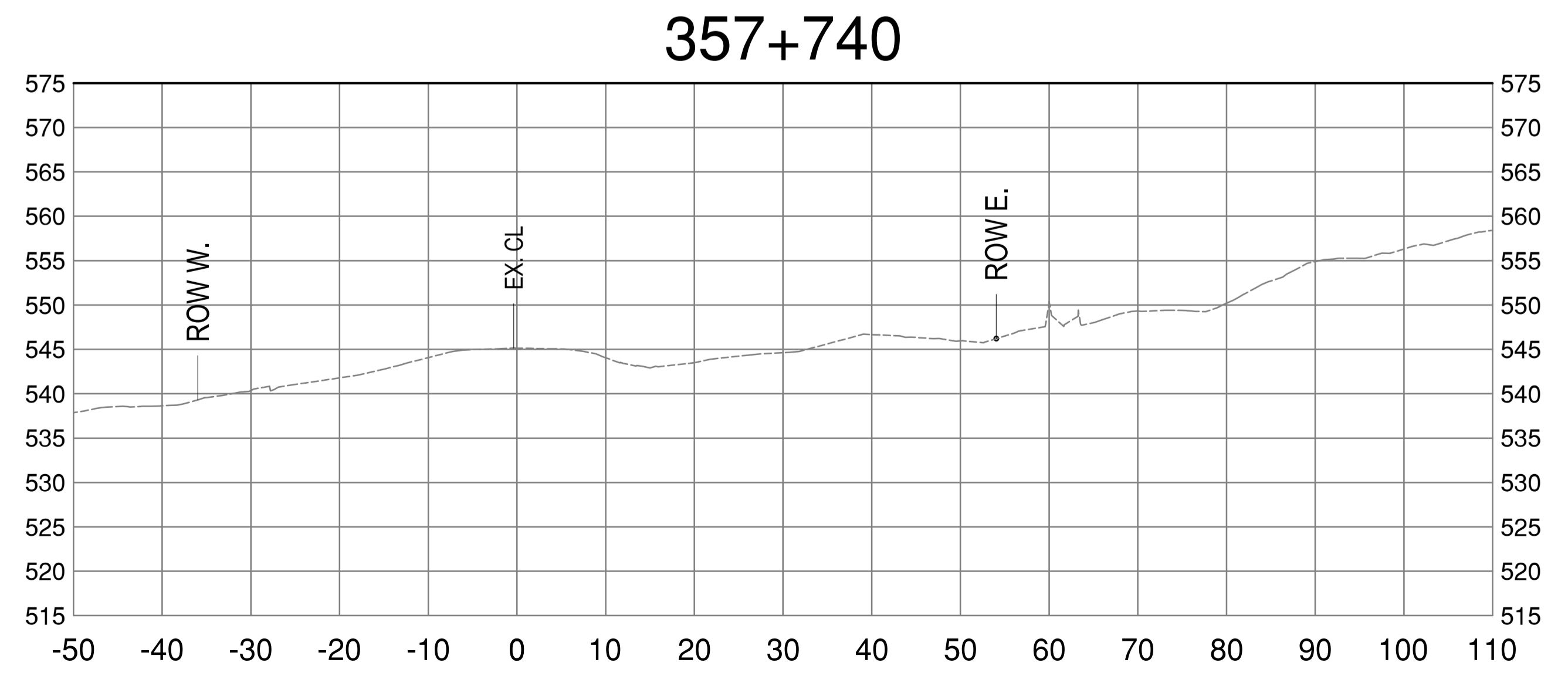
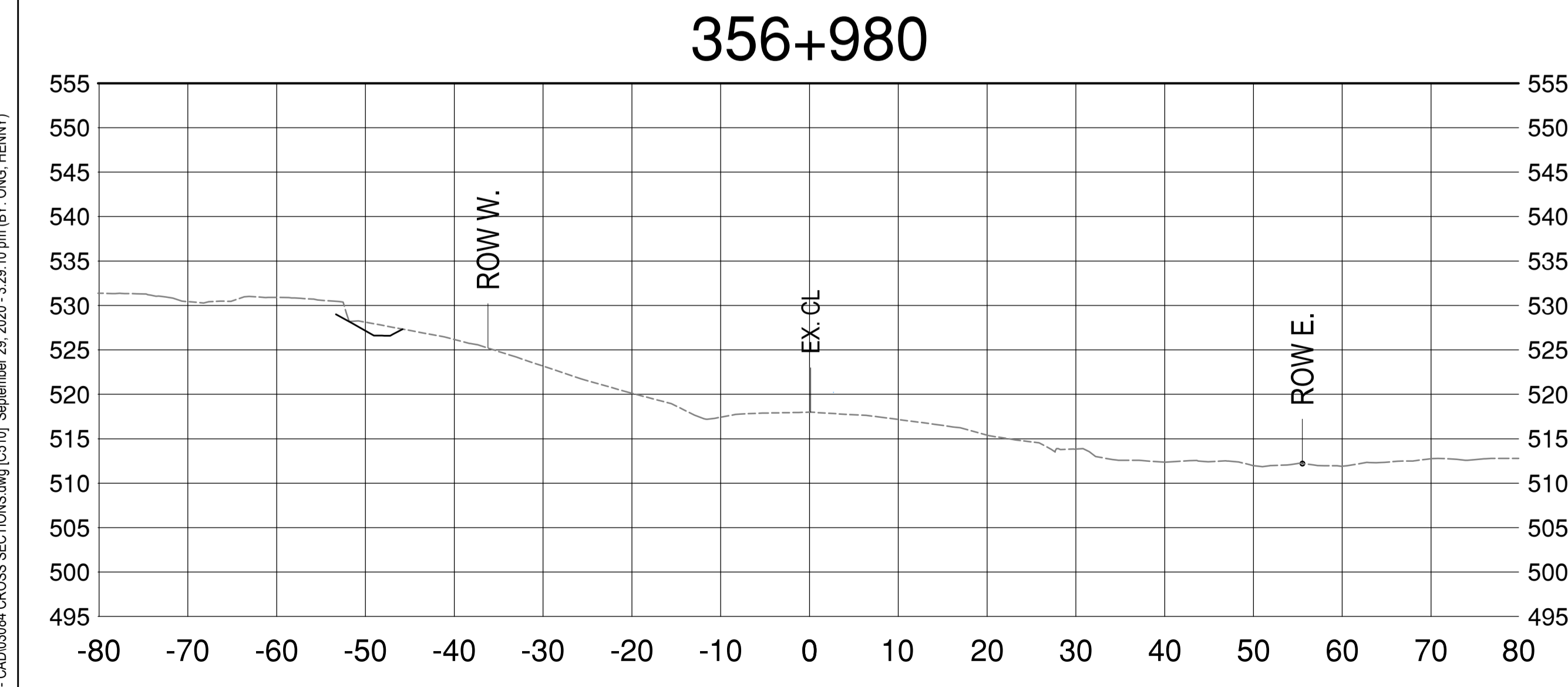
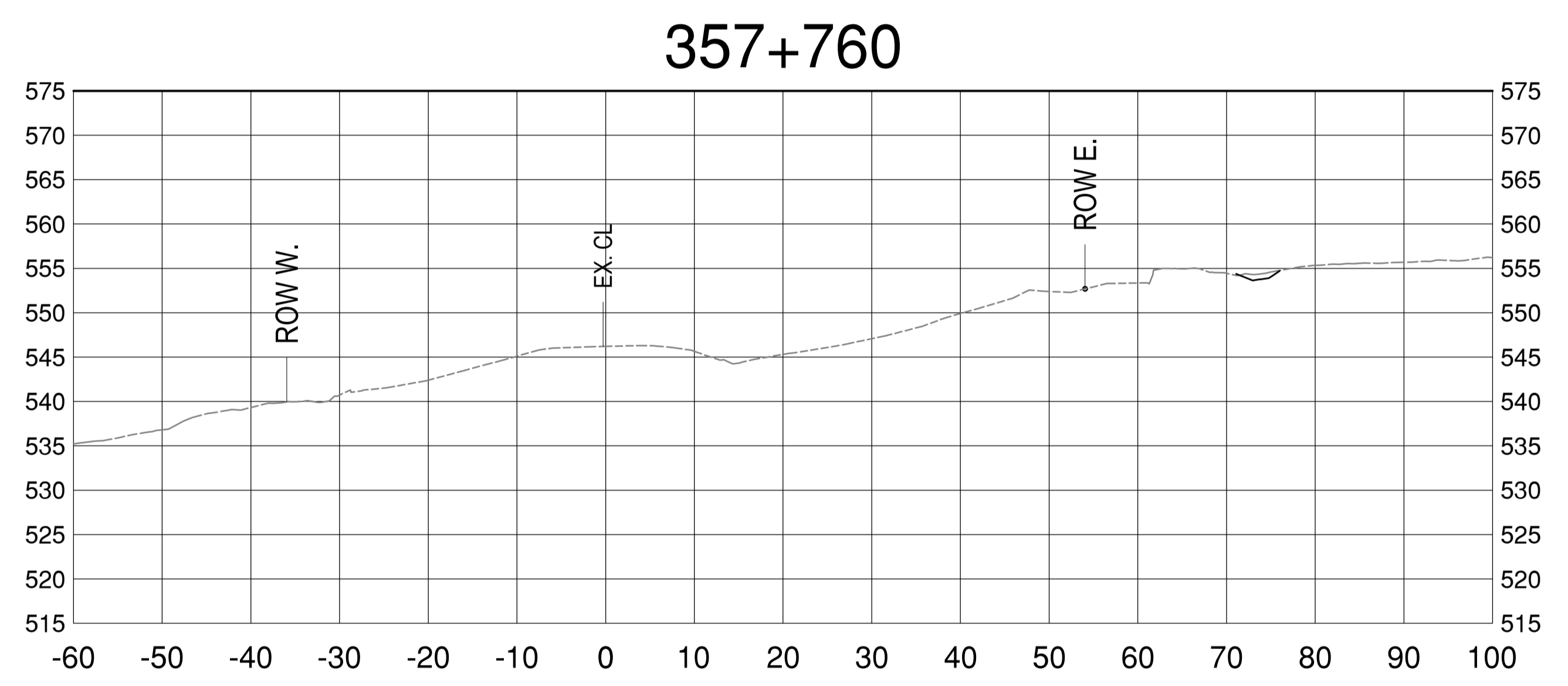
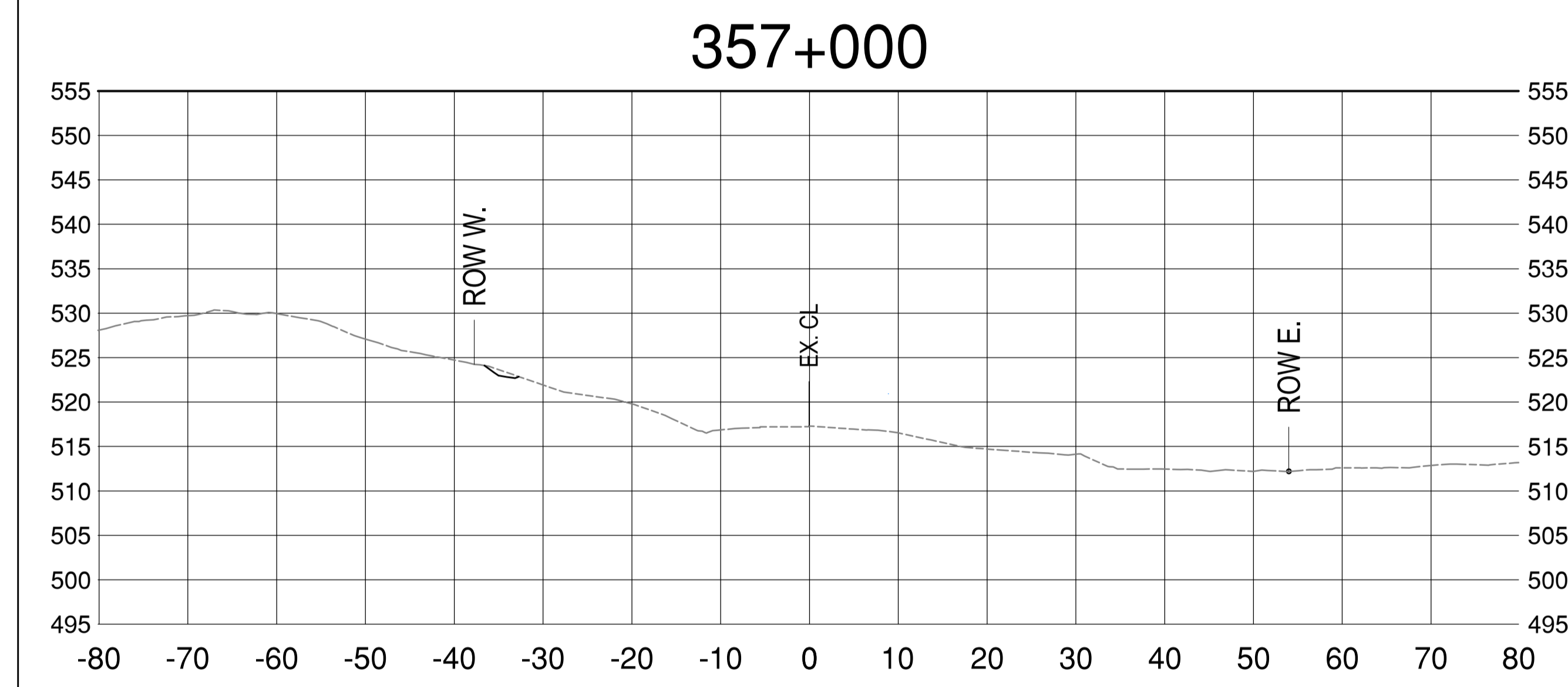
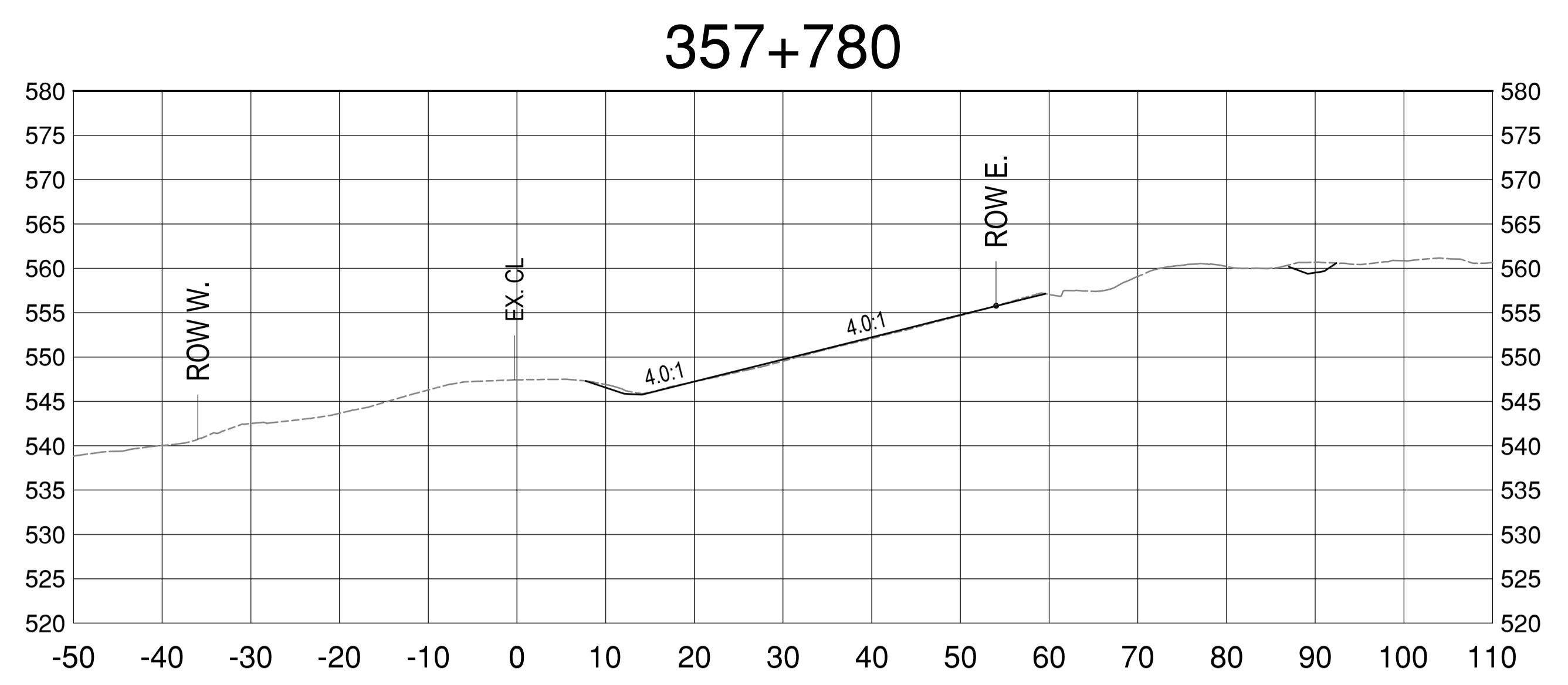
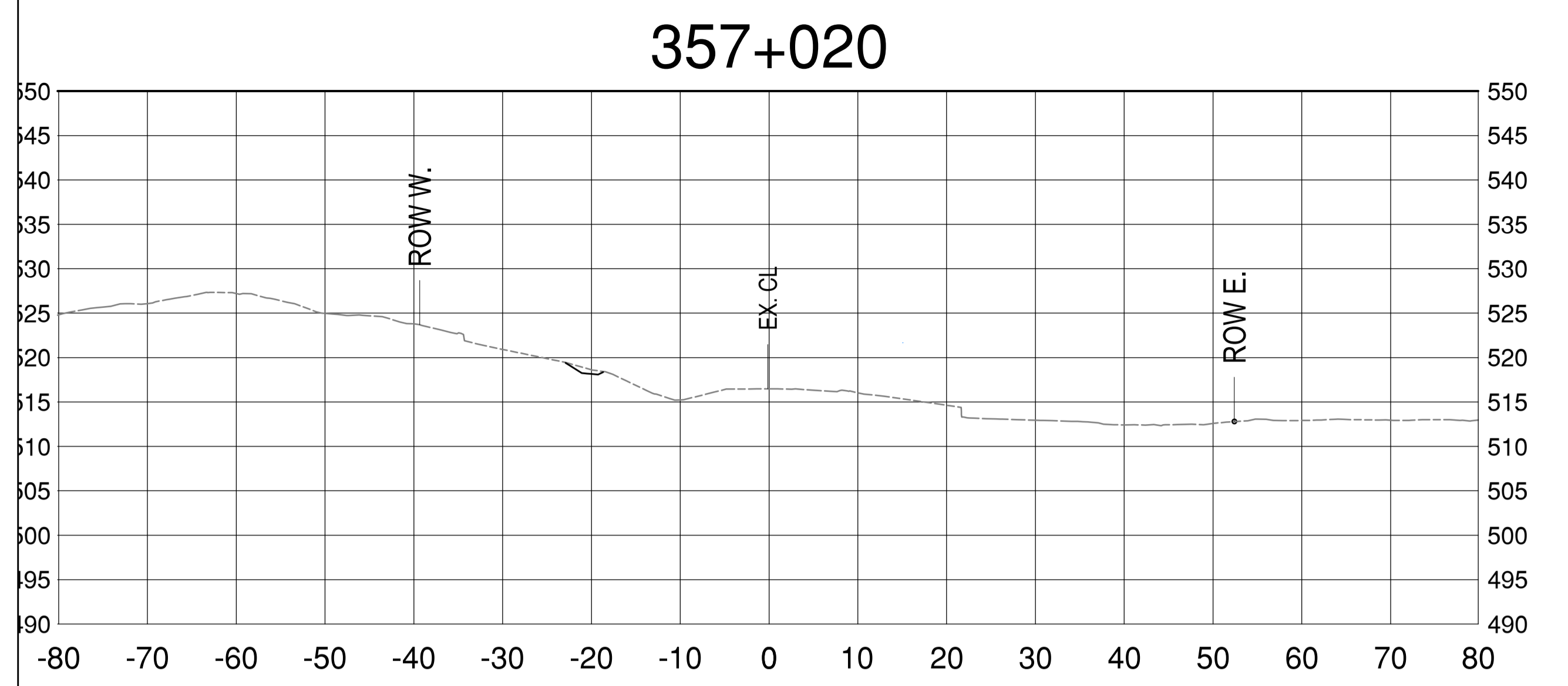
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.119901.002	C509	A

E:\03084\3001 - CAD\03084\CROSS SECTIONS.dwg [C509] September 20, 2020 - 3:26:55 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS TO BE HYDRAULIC SEEDED, INCLUDING TREE CLEARING AREA.



Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par
S. LI

Designed by/Concept par
H. ONG / A. HORWOOD

Drawn by/Dessiné par
H. ONG

PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI

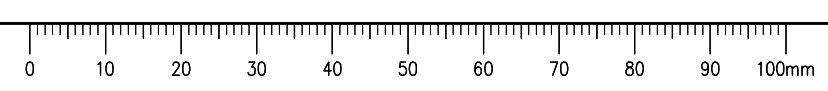
PSPC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
CROSS-SECTIONS STA.357+980 TO 357+780

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C510	A

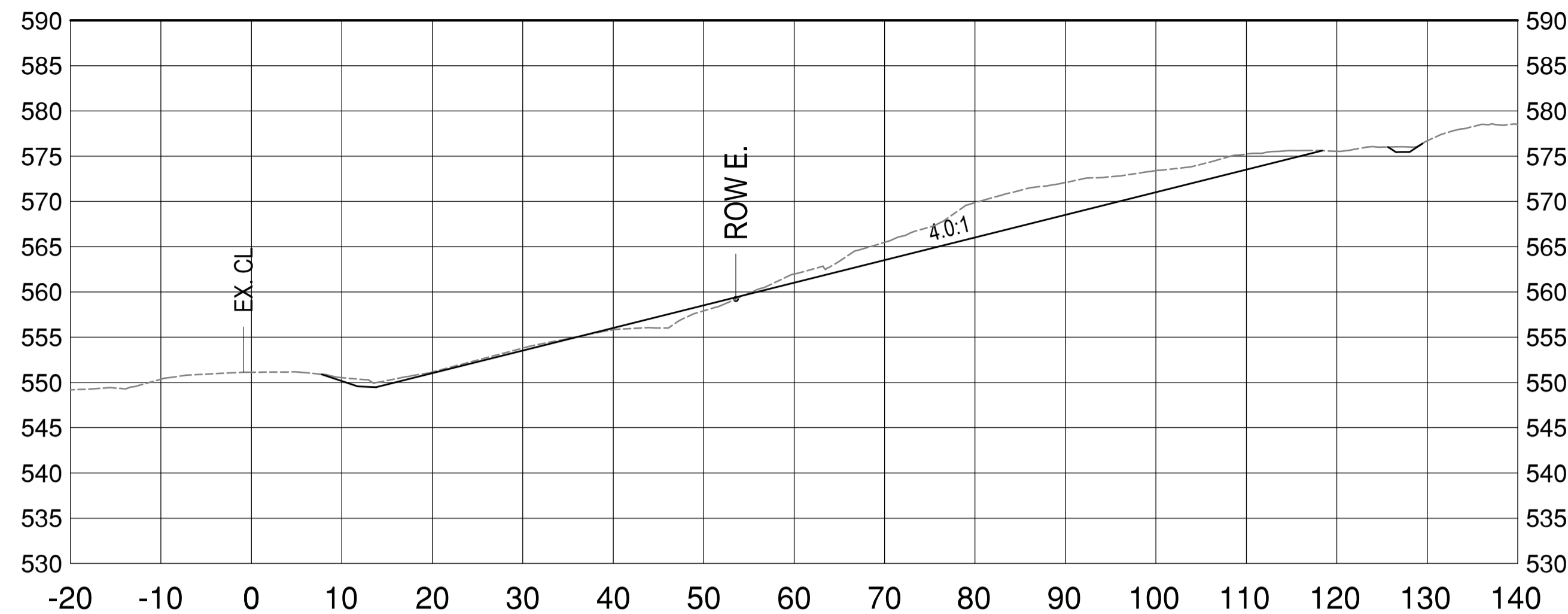
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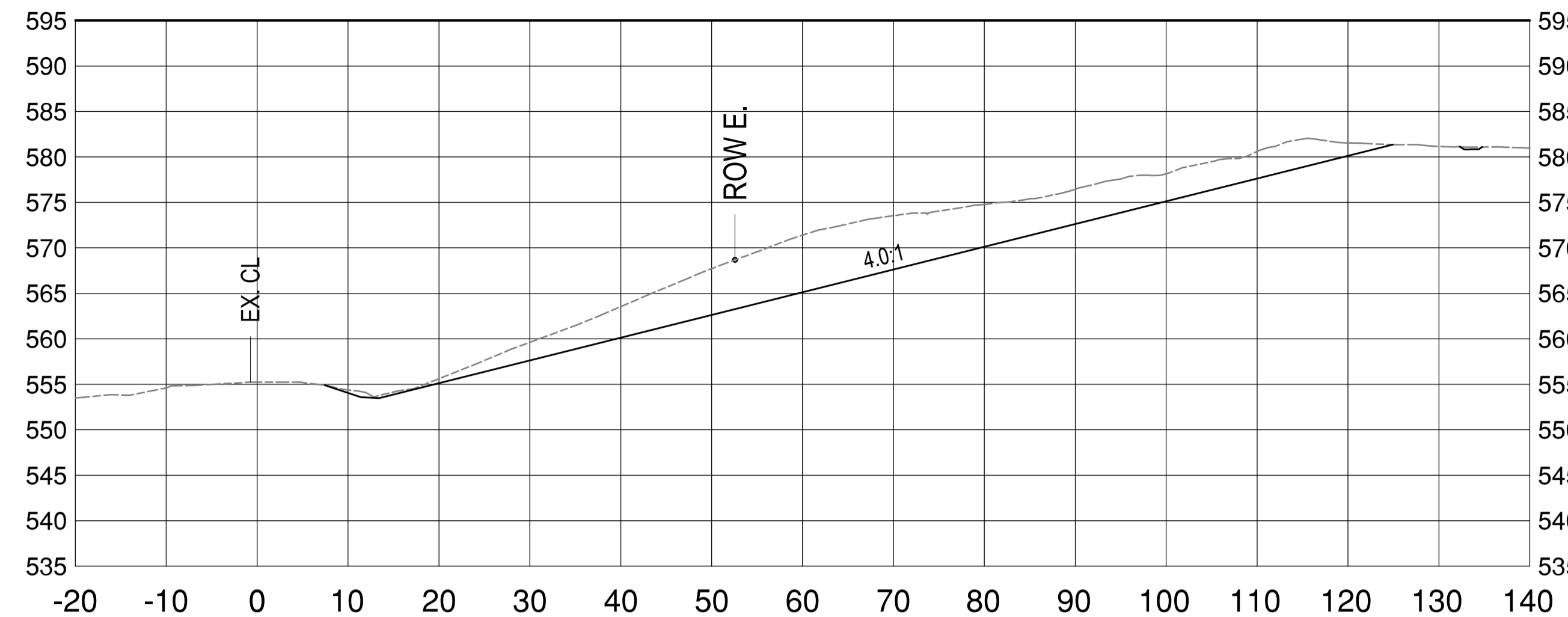
ISSUED FOR TENDER

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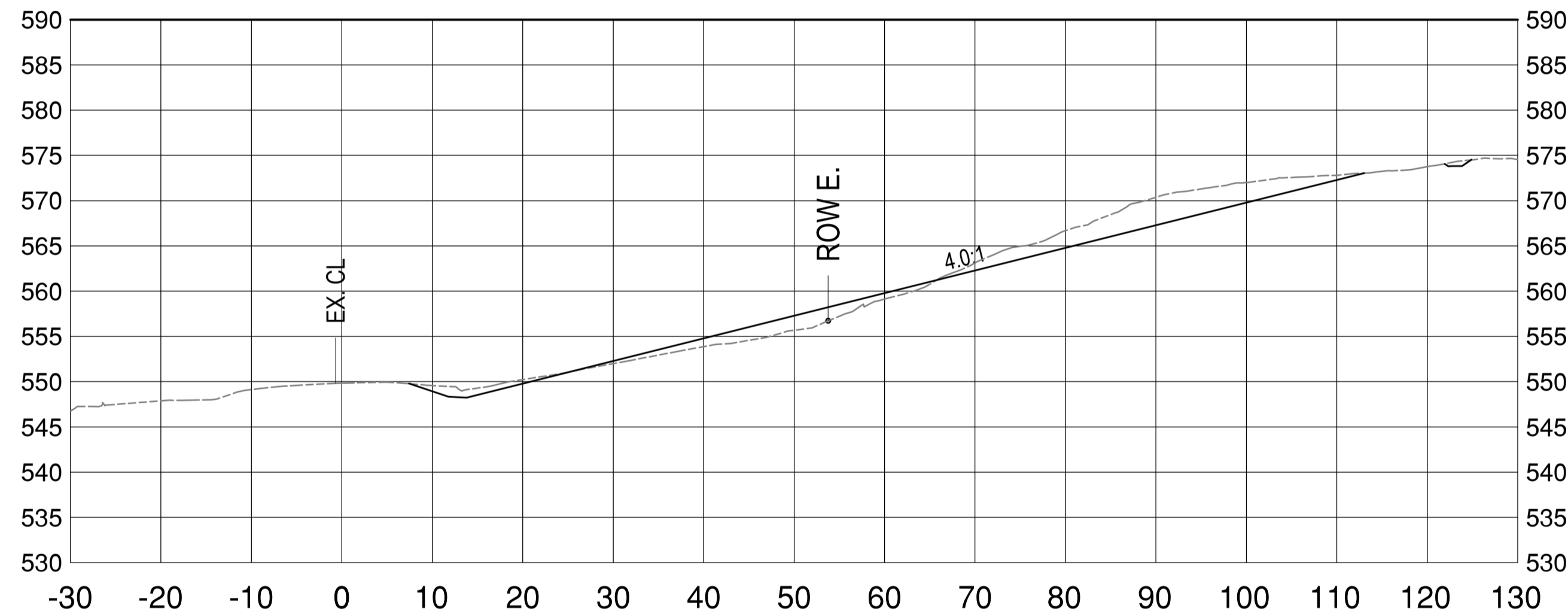
357+840



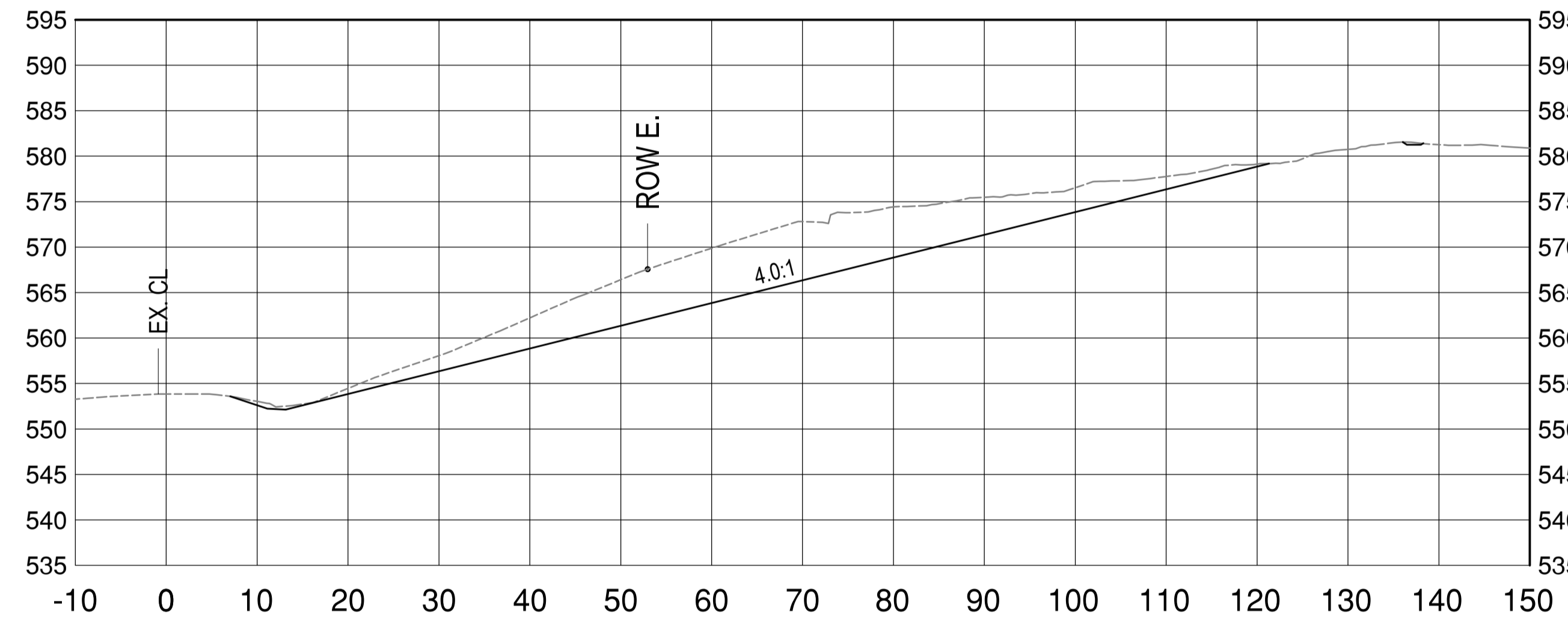
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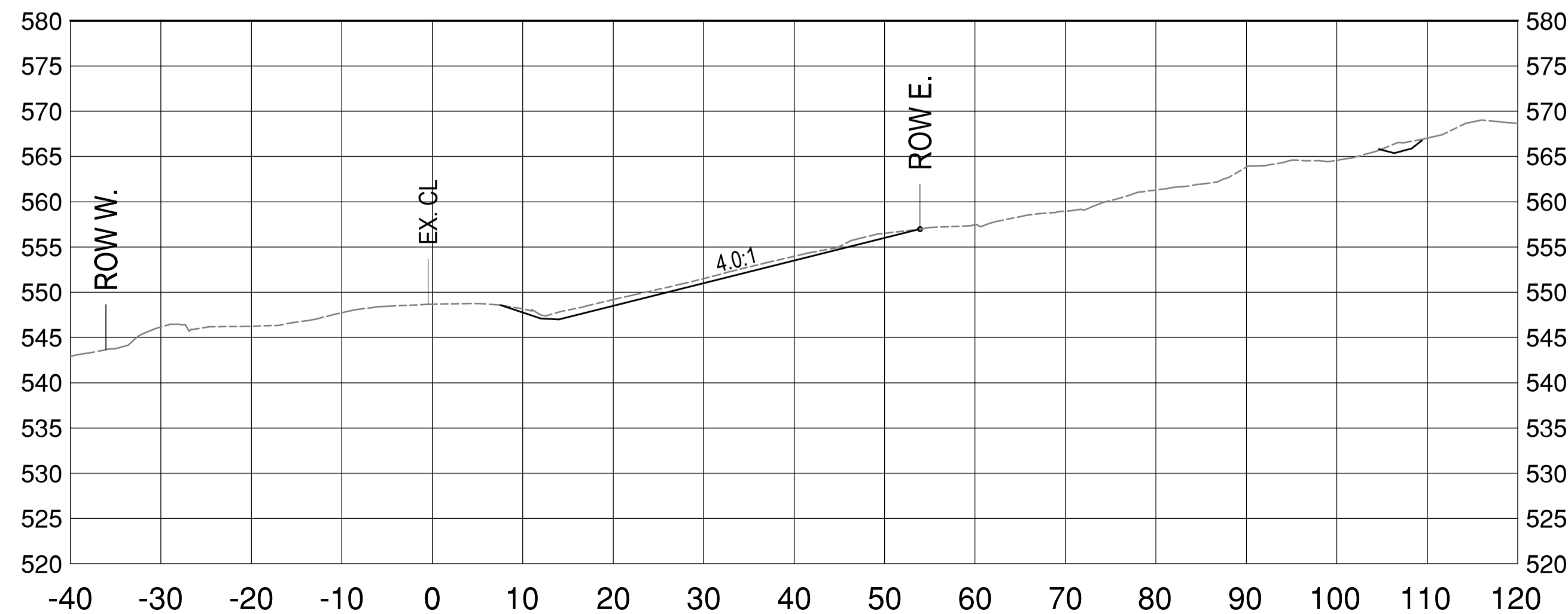
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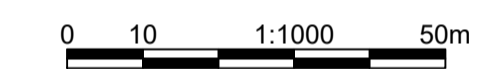
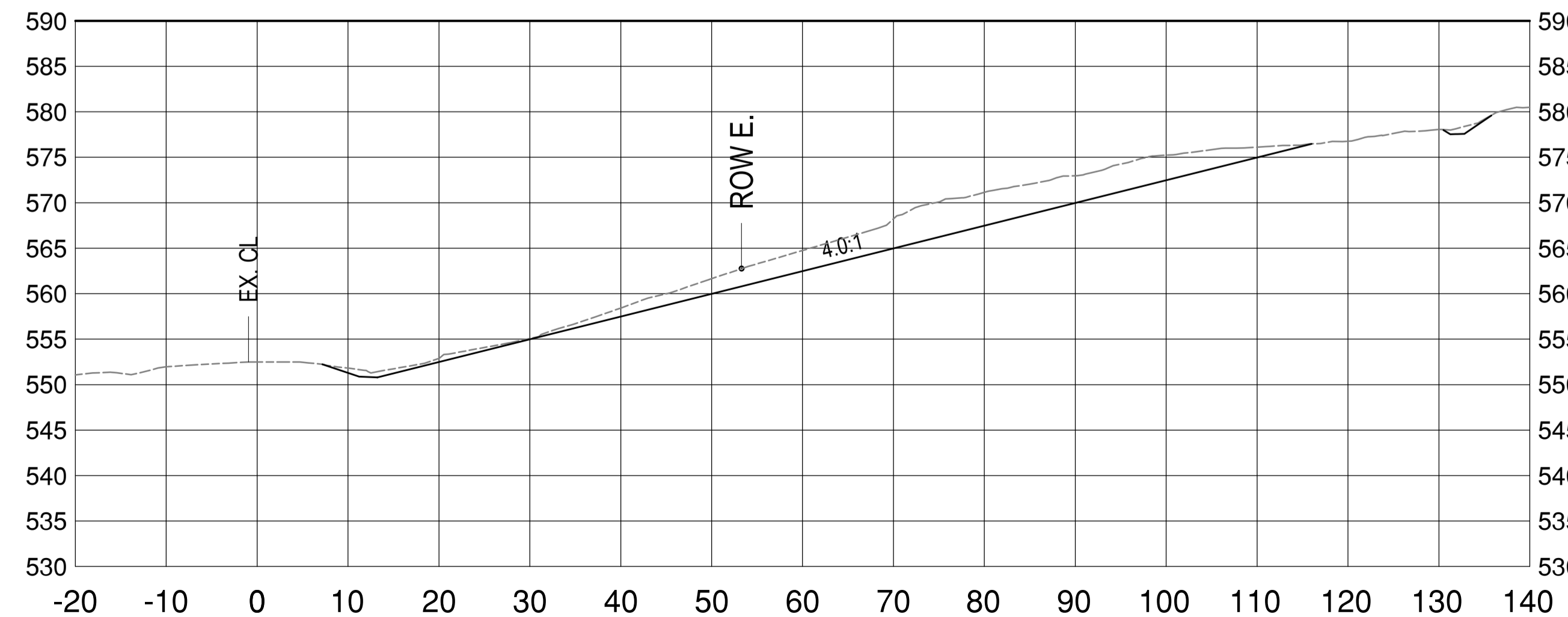
357+880



357+800



357+860



Revision/Revisão	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

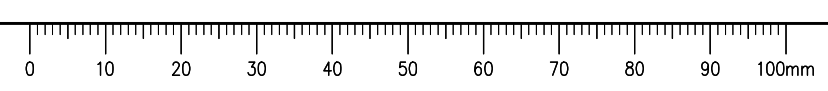
Approved by/Approuvé par
S. LI
Designed by/Concepté par
H. ONG / A. HORWOOD
Drawn by/Dessiné par
H. ONG
PSPC Project Manager/Administrateur de Projets SPAC
A. TAHERI
PSPC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
CROSS-SECTIONS STA.357+800 TO 357+900

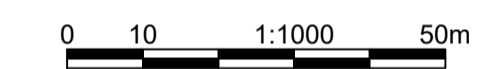
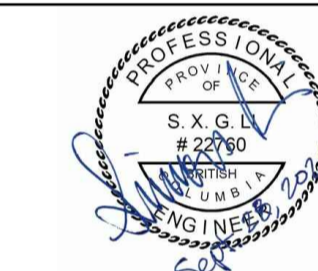
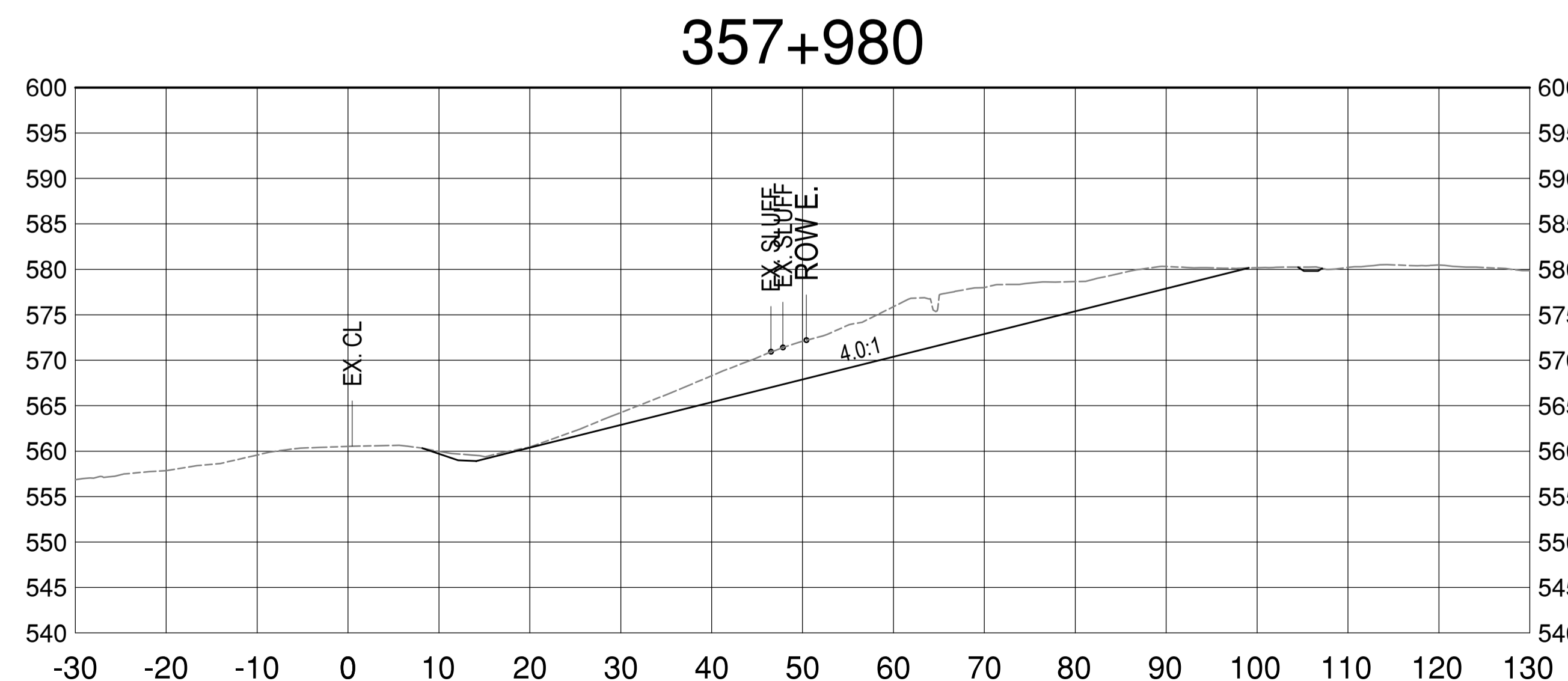
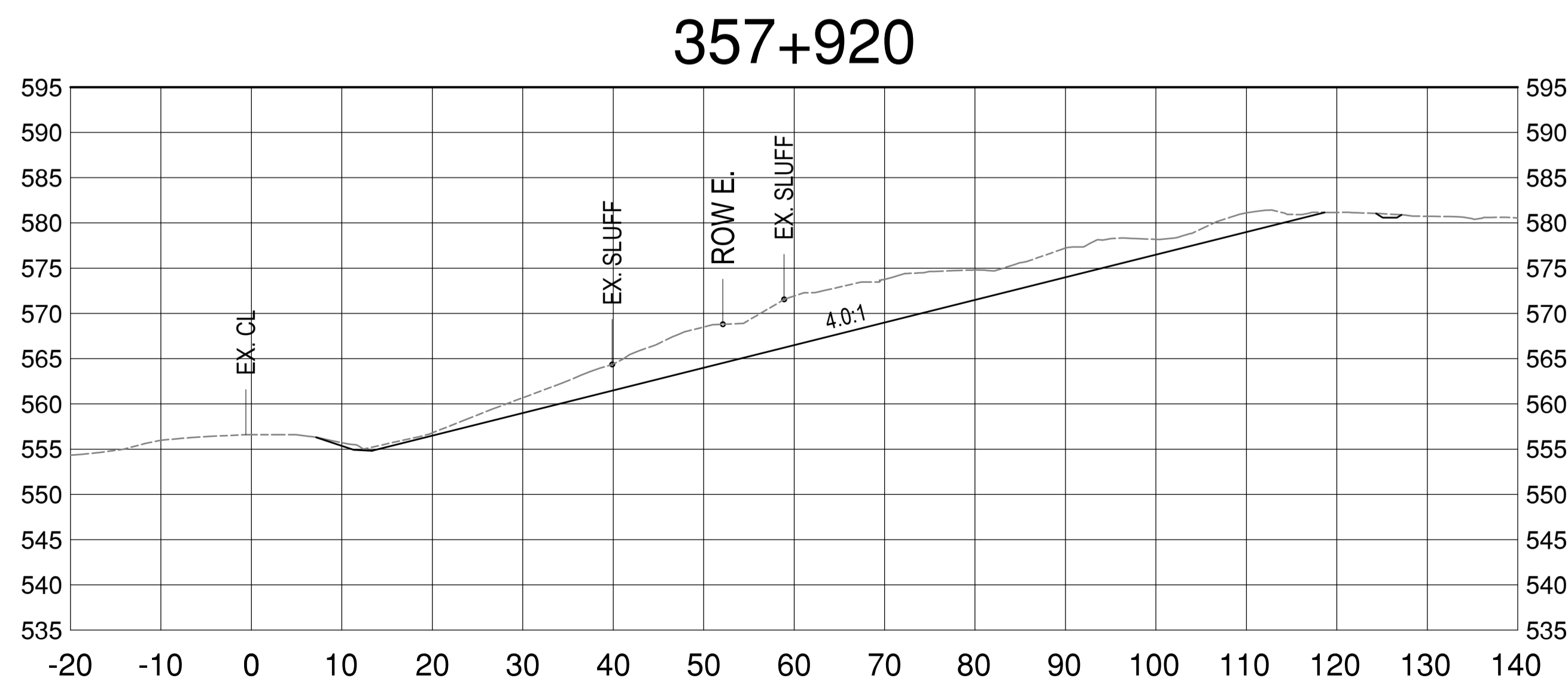
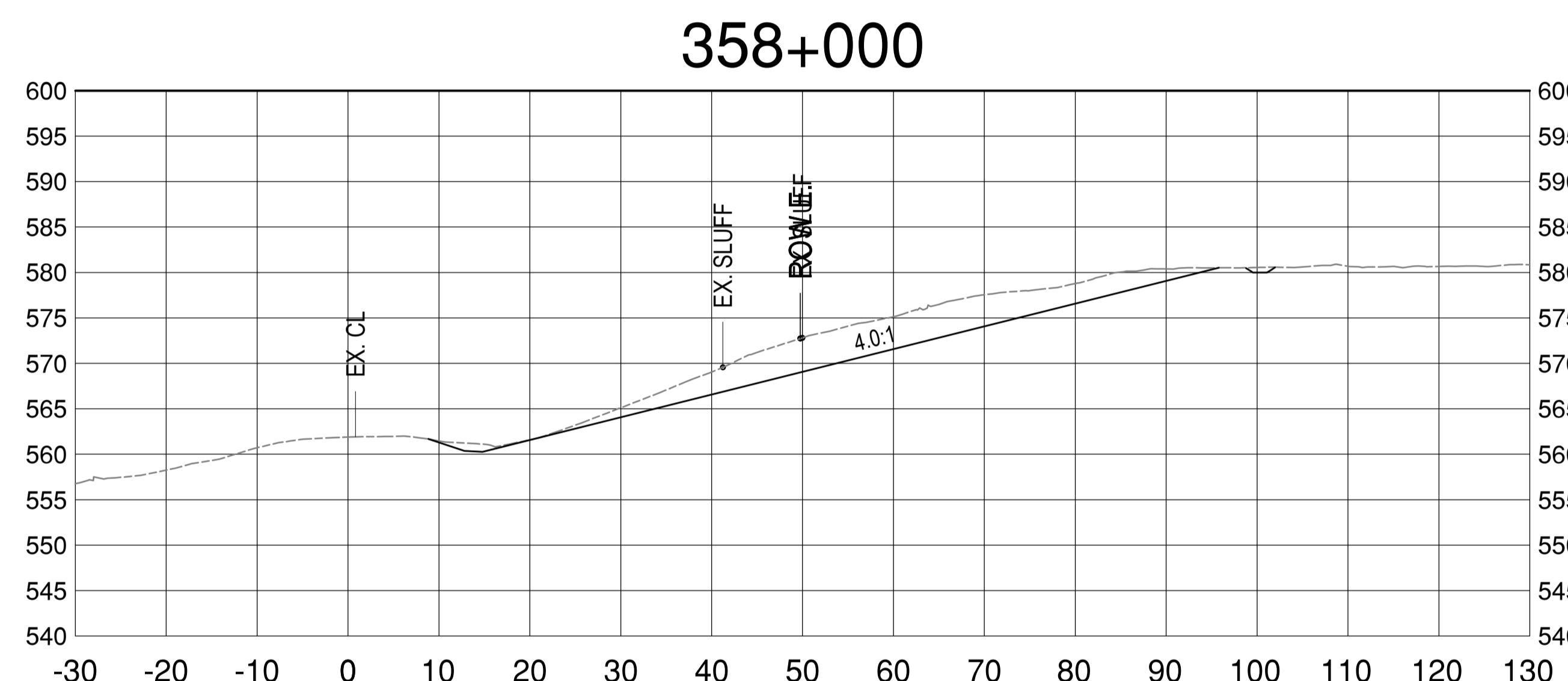
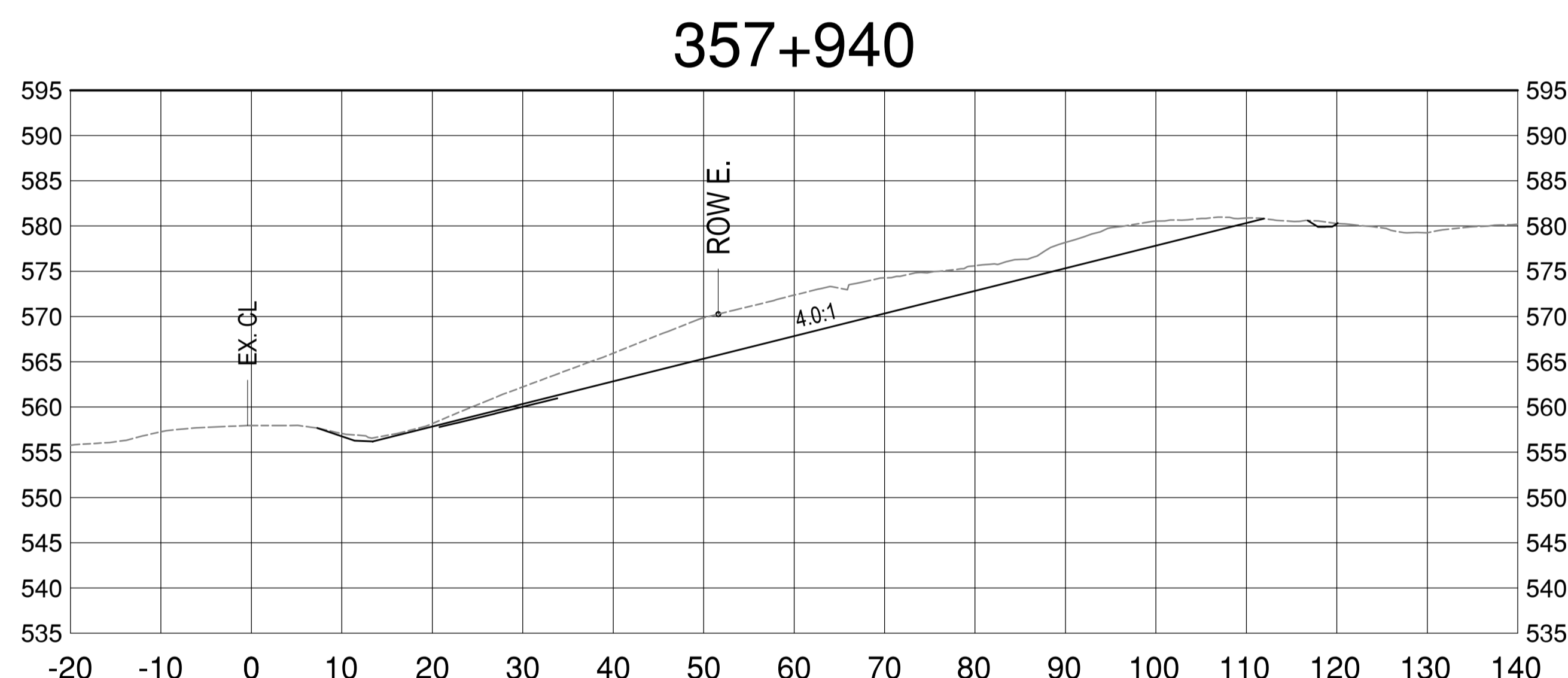
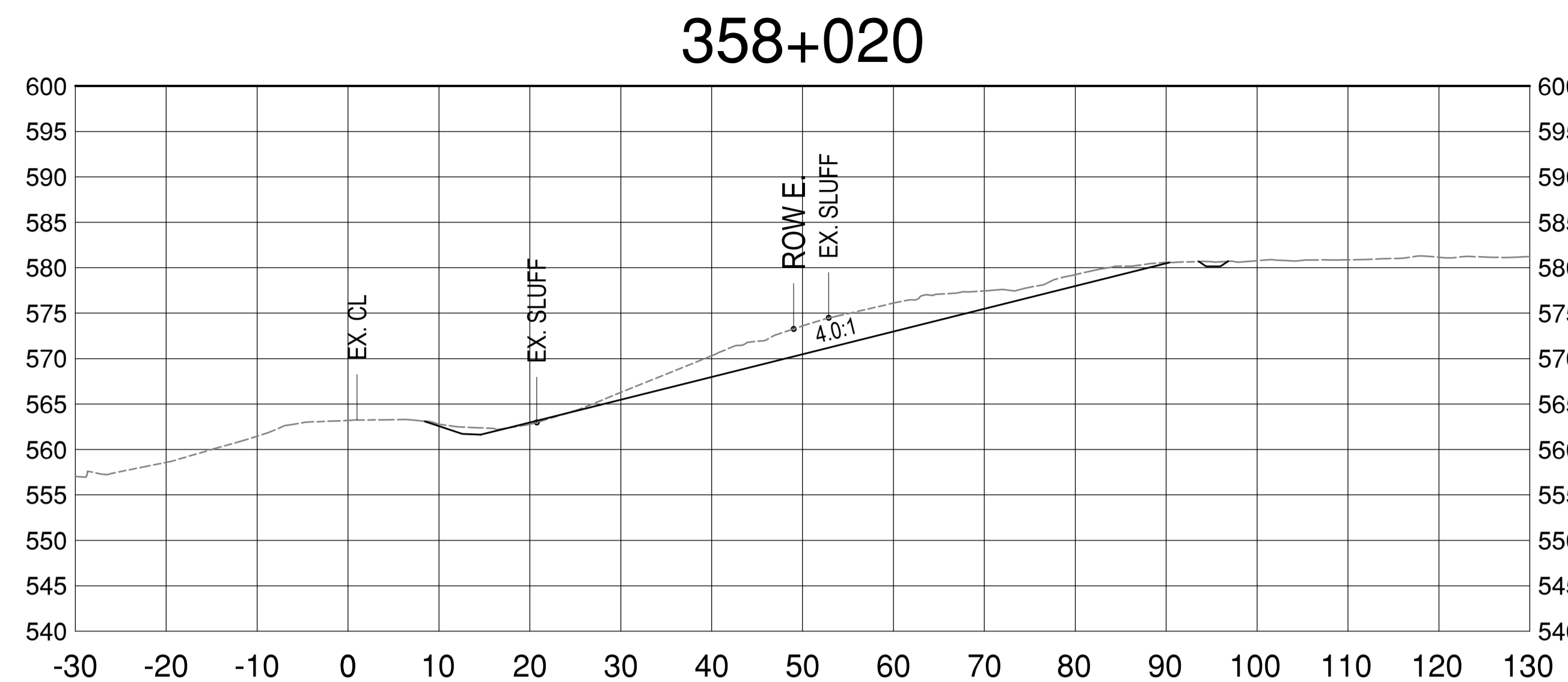
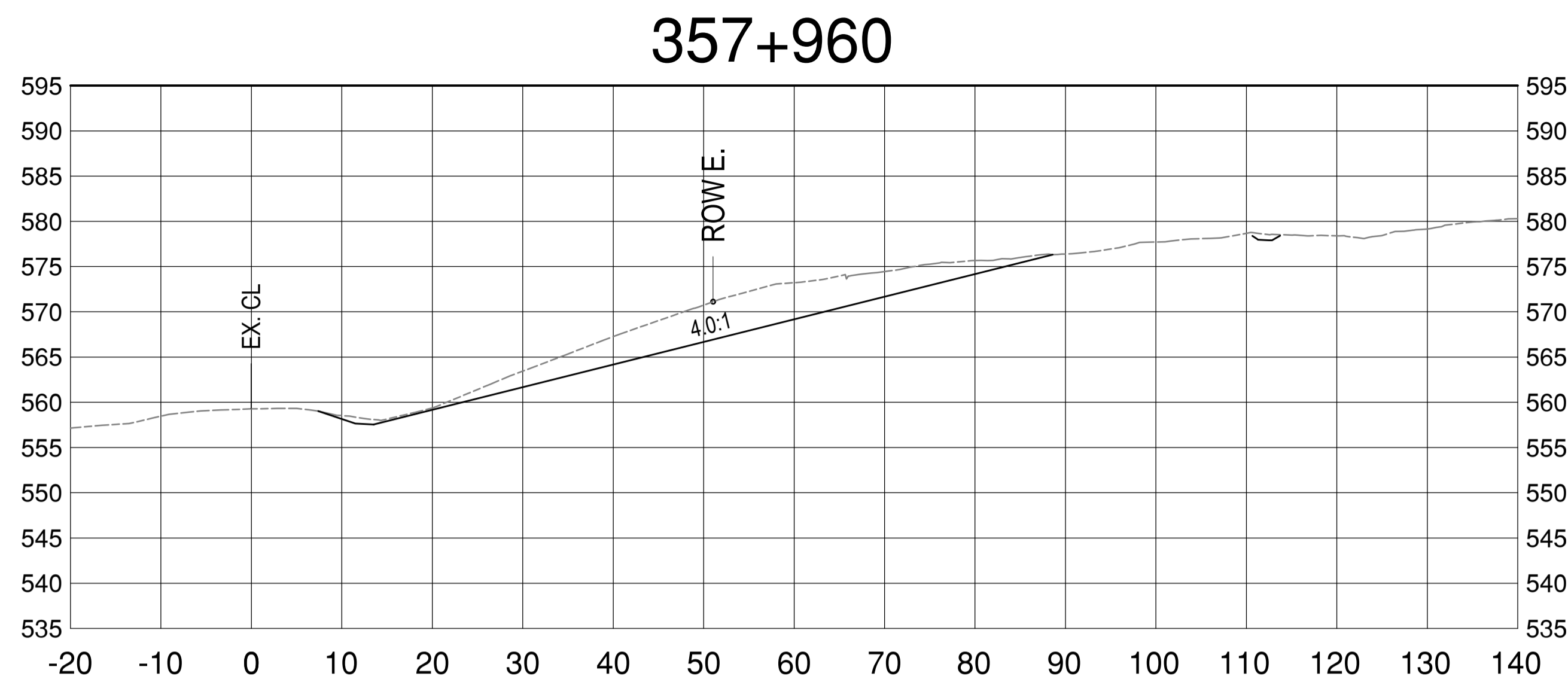
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C511	A

E:\03084\3001 - CAD\03084\CROSS SECTIONS.dwg [C511] September 20, 2020 - 3:29:26 pm (BY: ONG, HENNY)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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Revision/Revisión	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**



Project title/Titre du projet:
**KM 355.5 - KM 359.5
BOUGIE CREEK
CUT SLOPE AND HIGHWAY
EMBANKMENT STABILIZATION**

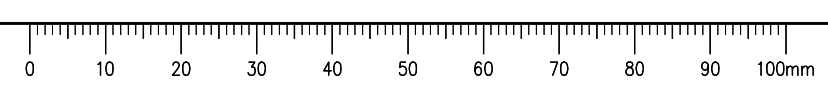
Approved by/Approve par: **S. LI**
Designed by/Concept par: **H. ONG / A. HORWOOD**
Drawn by/Dessine par: **H. ONG**
PSPC Project Manager/Administrateur de Projets SPAC: **A. TAHERI**
PSPC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin:
**CROSS-SECTIONS
STA.357+920 to 358+020**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C512	A

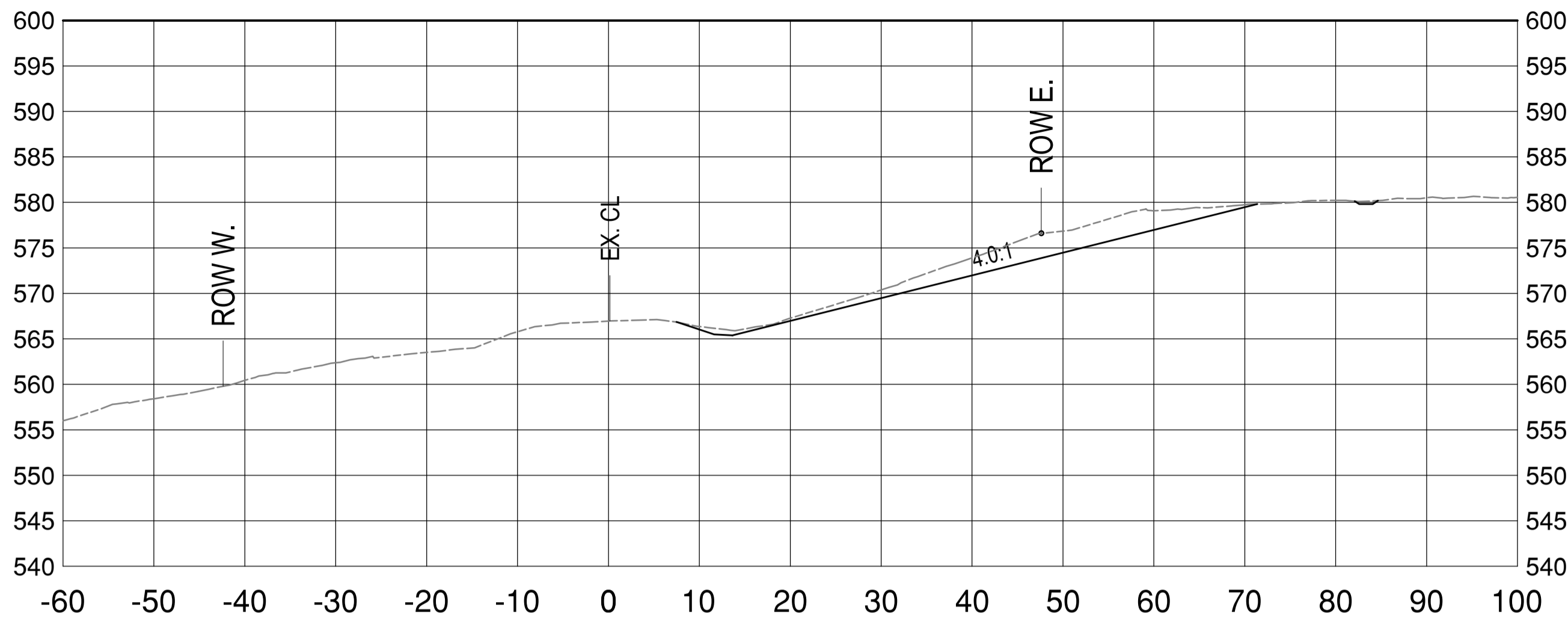
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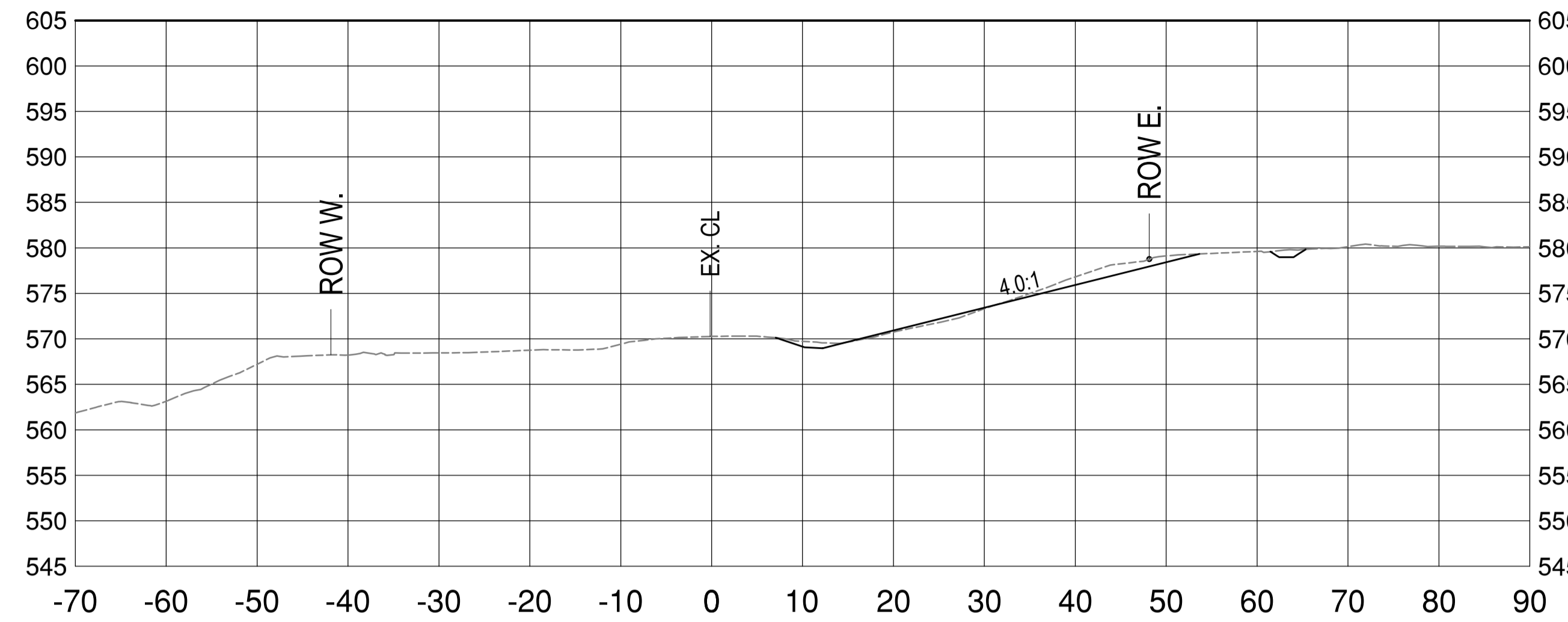
ISSUED FOR TENDER

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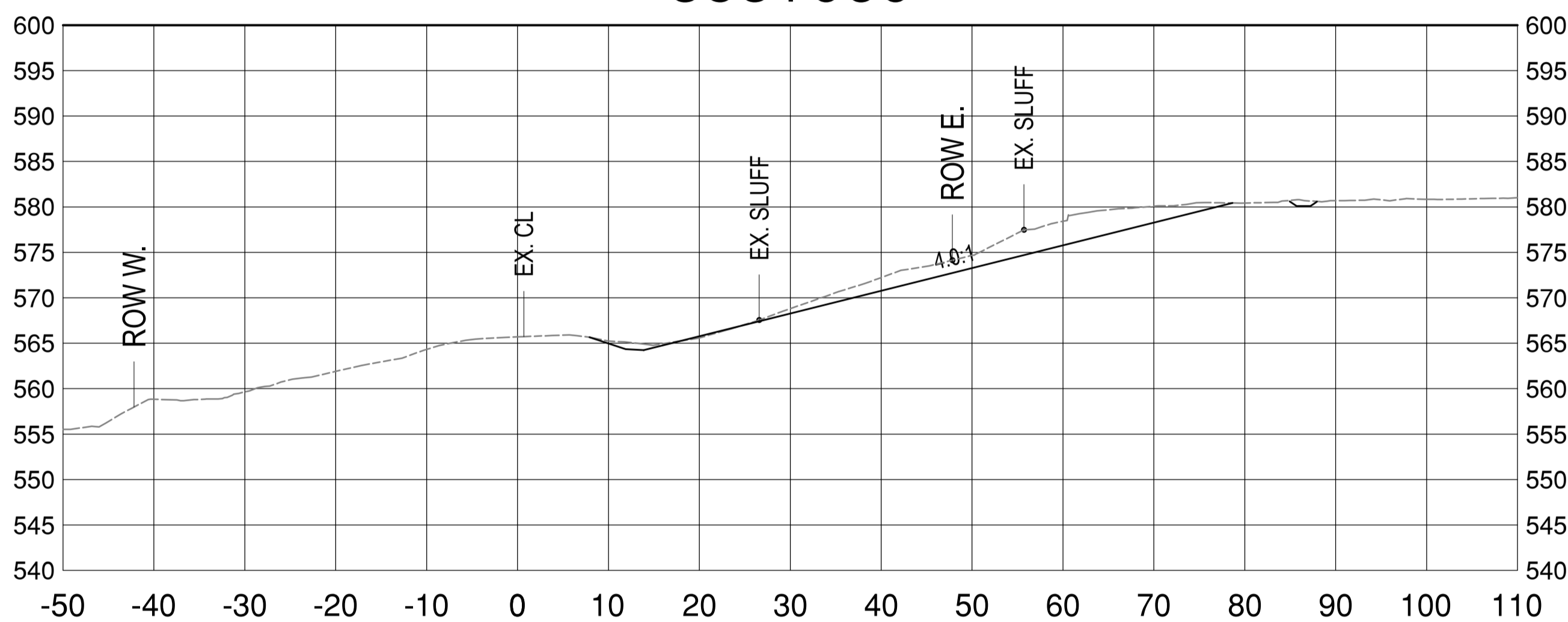
358+080



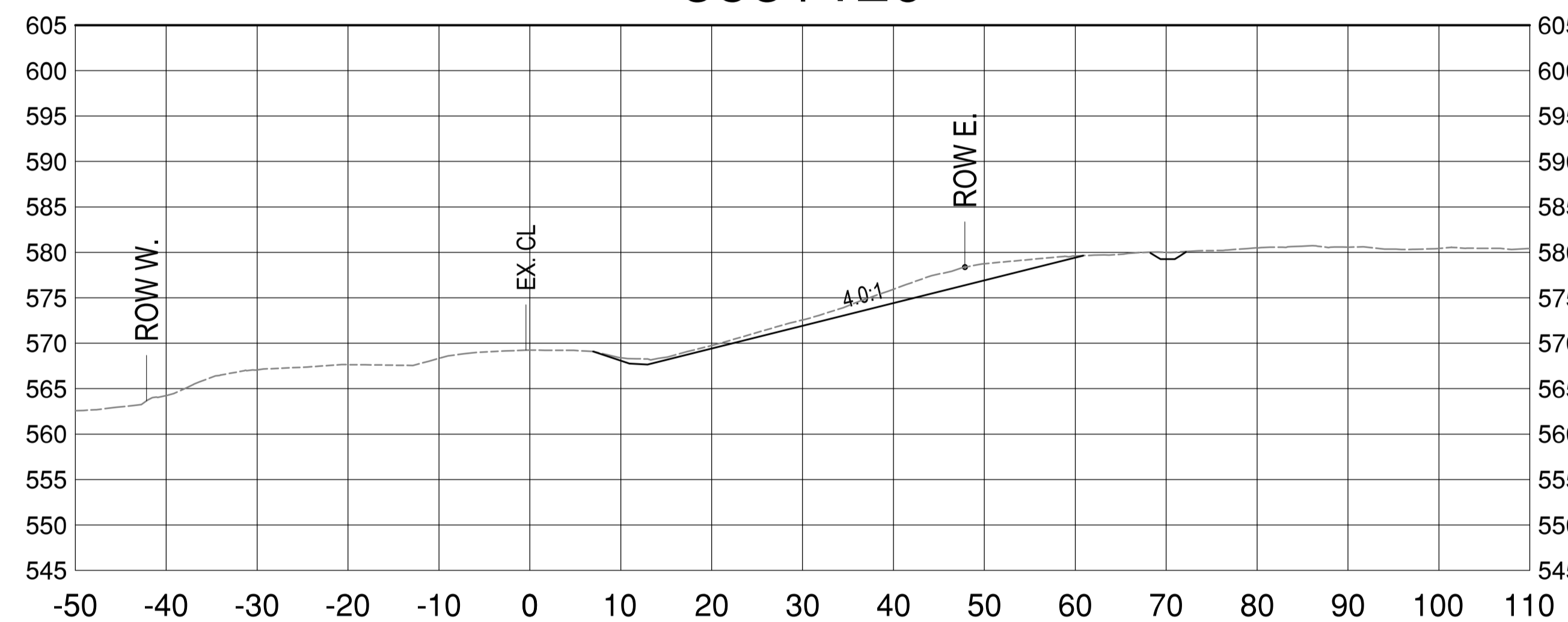
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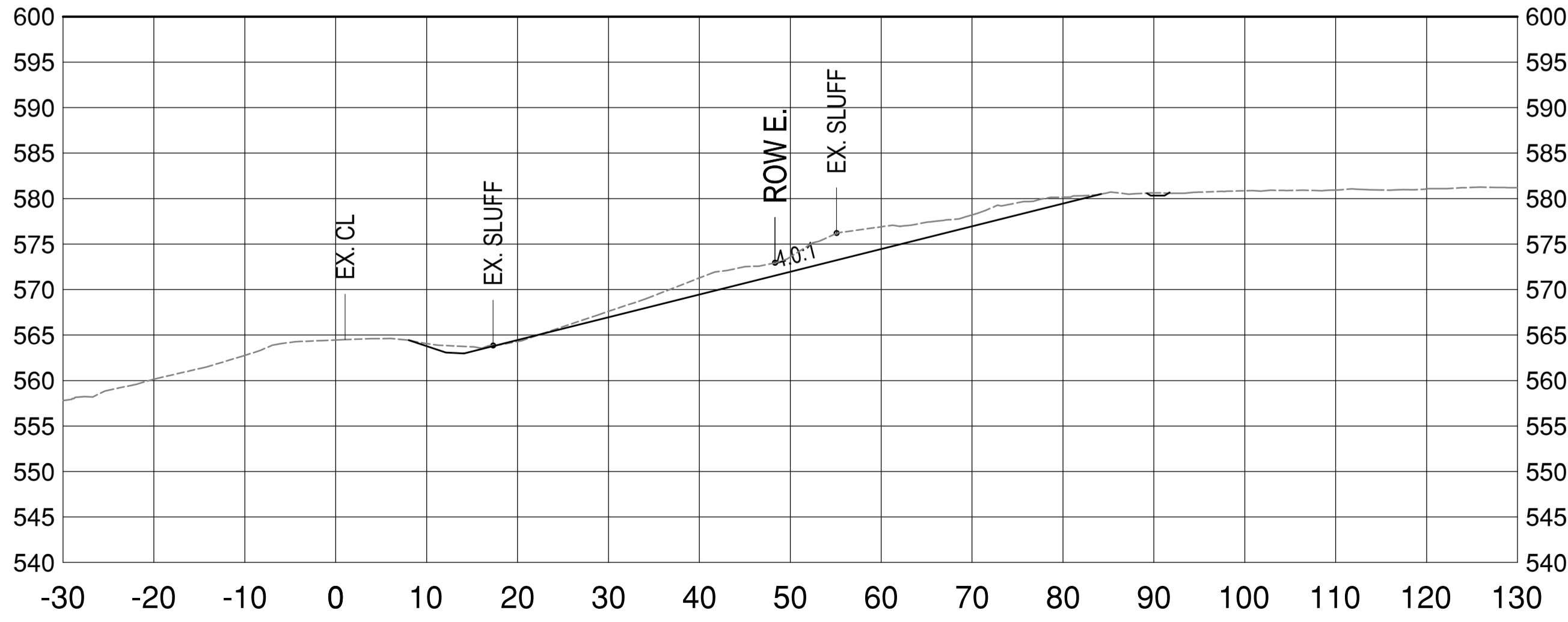
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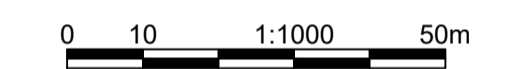
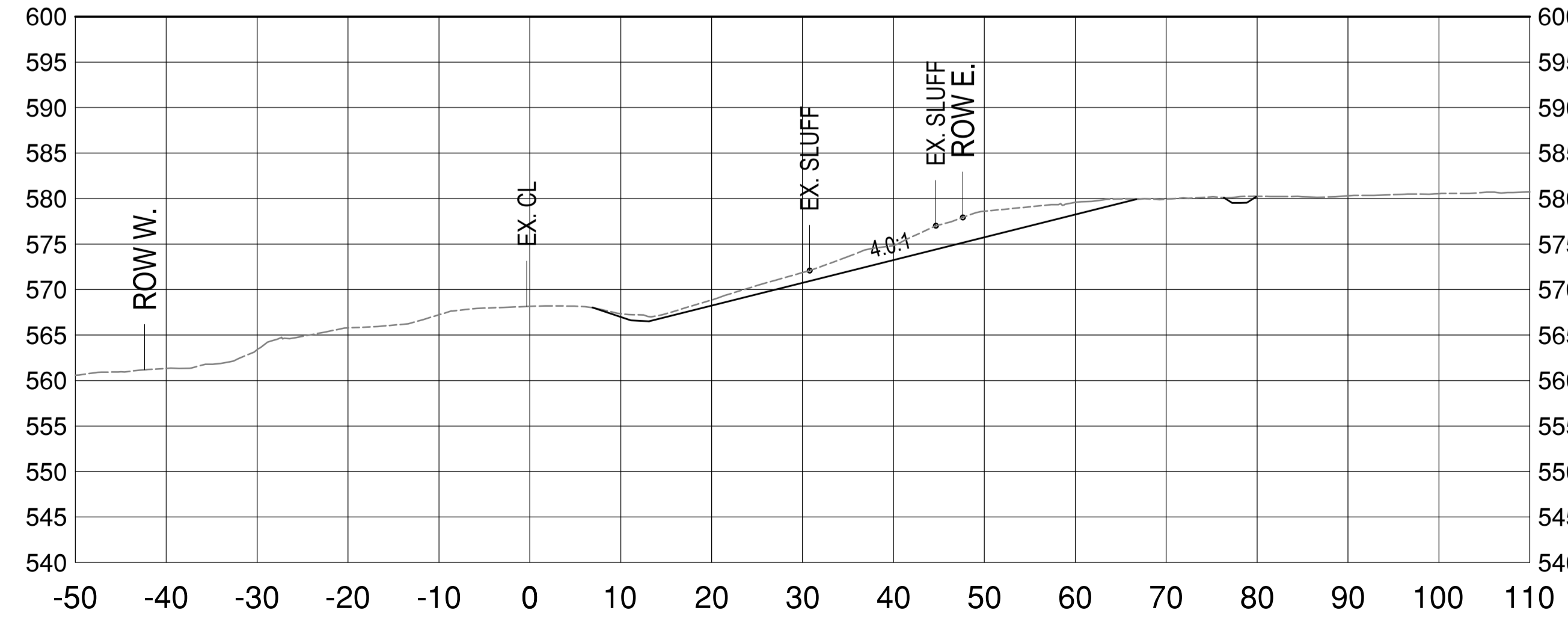
358+120



358+040



358+100



Revision/Évaluation	Description/Description	Date/Date
A	ISSUED FOR TENDER	20/09/28

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA



Project title/Titre du projet
KM 355.5 - KM 359.5 BOUGIE CREEK CUT SLOPE AND HIGHWAY EMBANKMENT STABILIZATION

Approved by/Approuvé par
S. LI
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H. ONG / A. HORWOOD
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PSPC Project Manager/Administrateur de Projets SPAC
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PSPC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, SPAC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
CROSS-SECTIONS STA.358+040 TO 358+140

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.119901.002	C513	A

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