



Public Works
Government Services
Canada

Architectural and
Engineering Services

Ontario Region

Travaux publics
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Canada

Services d'architecture
et de génie

Région de l'Ontario

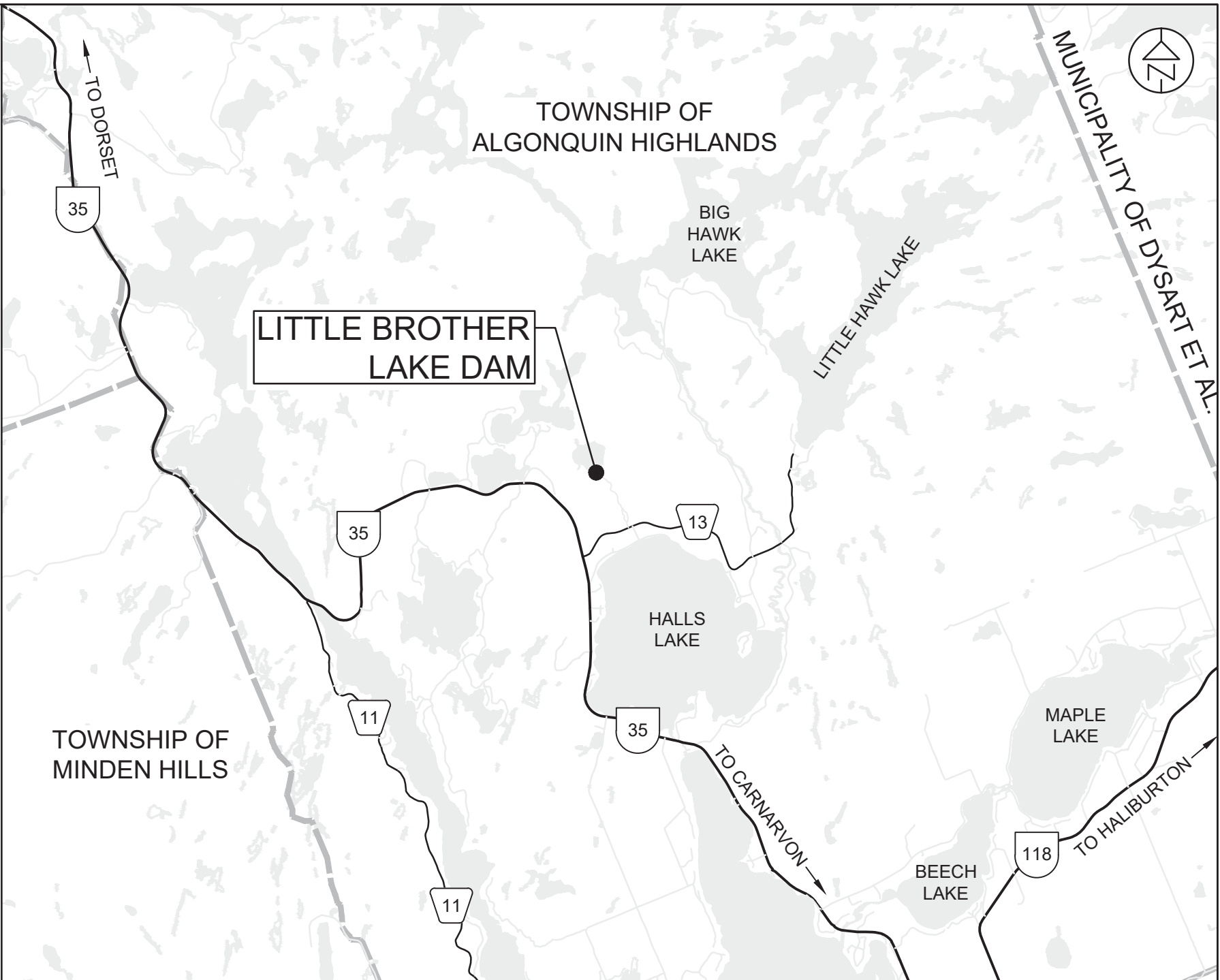
MINDEN ONTARIO

PARKS CANADA
TOWNSHIP OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON

LITTLE BROTHER LAKE DAM
ACCESS ROAD

R.076951.170

Canada



KEY PLAN
N.T.S.

LIST OF DRAWINGS
CIVIL
000 - COVER SHEET 100 - LEGEND AND ABBREVIATIONS 101 - HORIZONTAL ALIGNMENT 200 - REMOVALS AND ENVIRONMENTAL MITIGATION STA. 0+000 TO 0+500 201 - REMOVALS AND ENVIRONMENTAL MITIGATION STA. 0+500 TO 1+012 202 - ENVIRONMENTAL MITIGATION DETAILS 300 - NEW CONSTRUCTION STA. 0+000 TO 0+250 301 - NEW CONSTRUCTION STA. 0+250 TO 0+500 302 - NEW CONSTRUCTION STA. 0+500 TO 0+750 303 - NEW CONSTRUCTION STA. 0+750 TO 1+012 400 - TYPICAL SECTIONS 401 - DETAILS 500 TO 512 - CROSS SECTIONS

EXISTING MONUMENT FEATURES

■ CM	CONCRETE MONUMENT
■ SIB	STANDARD IRON BAR
■ SSIB	SHORT STANDARD IRON BAR
■ RB	ROCK BAR
■ RP	ROCK POST
■ RPL	ROCK PLUG
■ RIB	ROUND IRON BAR
■ CC	CUT CROSS
■ CP	CONCRETE PIN
■ IB	IRON BAR
○ PK	SPIKE, NAIL, ROCK RIVET, ETC.
← ⊙ BM	BENCH MARK
● HCP	HORIZONTAL PROJECT CONTROL POINT
△ HCM	PRIMARY HORIZONTAL CONTROL MONUMENT

EXISTING UTILITY FEATURES

⚡ AN	ANCHOR FOR POLE
○ B	BELL POLE
○ B&H	BELL & HYDRO POLE
○ H	HYDRO POLE
○ LS	LIGHT STANDARD
○ PO	POLE OTHER
○ PW	POLE WELL (CRIB)
□ TB	TERMINAL BOX
○ W	WELL

REMOVALS

	CULVERT REMOVAL
	AREA TO BE CLEARED AND GRUBBED (NOTE 1)
	AREA TO BE SCARIFIED

NEW CONSTRUCTION PLAN FEATURES

	DITCHES, V TYPE INCL. DRAINAGE DIRECTION
	DITCHES, FLAT BOTTOM INCL. DRAINAGE DIRECTION
	RIP RAP
	ROCK OUTLINE (EXPOSED ROCK)
	EDGE OF GRAVEL ROAD
	TOE OF FILL SLOPE
	TOP OF CUT SLOPE

EXISTING GROUND FEATURES

	TOP OF ROCK CUT
	BOTTOM OF ROCK CUT
	ROCK OUTLINE / ROCK OUTCROP

EXISTING ROADWAY FEATURES

	EDGE OF SHOULDER
	GRAVEL ENTRANCE
	UNPAVED SIDEROAD

EXISTING BARRIER FEATURES

	GATE
	GUIDE RAIL
	FENCE LINE

EXISTING MISCELLANEOUS FEATURES

✦ BO	BOREHOLE
⚡	SIGN

EROSION AND SEDIMENTATION CONTROL

	LIGHT-DUTY SILT FENCE BARRIER
	COFFER DAM
	STRAW BALE FLOW CHECK DAM

NEW CONSTRUCTION PROFILE FEATURES

	FINISHED GROUND
	SUBGRADE
	BOTTOM OF DITCH LEFT
	BOTTOM OF DITCH RIGHT
	ORIGINAL GROUND
	ORIGINAL ROCK
	ROCK SHATTER
	ORGANICS

EXISTING VEGETATION FEATURES

	BUSH OUTLINE
	TREE
	HEDGE

EXISTING DRAINAGE FEATURES

	CULVERT
	BOTTOM OF DITCH WITH FLOW
	RIP-RAP OUTLINE
	WETLAND

EXISTING PROPERTY FEATURES

	PROPERTY LIMIT
	GENERAL BOUNDARY/PROPERTY LINE

ABBREVIATIONS

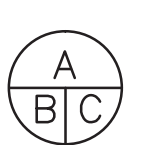


Asph	asphalt	PCC	point of compound curve
PI	point of intersection	PRC	point of reverse curve
BC	beginning of curve	PVI	point of vertical intersection
BM	benchmark	R	radius
BVC	beginning of vertical curve	Rk	rock
C/L or ☉	centreline	Rnd	rounding
CSP	corrugated steel pipe	RR	rip-rap
EC	end of curve	T/O	top of opening
Elev or EI	elevation	Twp	township
EVC	end of vertical curve	Typ	typical
Gr	gravel	WL	water level
HOT	hub on tangent		
LVC	length of vertical curve		
NIC	not in contract		
NTS	not to scale		
OPSD	Ontario Provincial Standard Drawing		
OPSS	Ontario Provincial Standard Specification		

NOTES:

1. PARKS CANADA AGENCY HAS COMPLETED SOME OF THE CLOSE CUT CLEARING IN THE STAGING AREAS IN ADVANCE OF THIS CONTRACT. REMAINDER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL GRANULAR COMPACTION SHALL BE TO 100% SPMD.
3. IN ORDER TO MINIMIZE THE REVERSING OF VEHICLES AND/OR EQUIPMENT THE CONTRACTOR MAY CONSTRUCT TURN-AROUND POINTS AS REQUIRED. THE TURN-AROUND POINTS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION. MEASUREMENT FOR PAYMENT SHALL BE INCLUDED IN THE BALANCE OF PROJECT.

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0	DESIGN CONCEPT SUBMISSION	2017/12/15
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PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
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**LITTLE BROTHER LAKE DAM
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LEGEND AND ABBREVIATIONS

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dessiné par
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conc par
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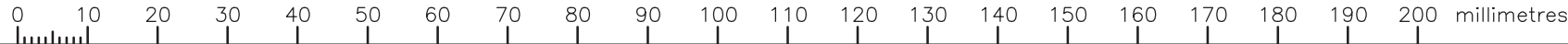
approved by
approuvé par
B.P.

tender
soumission
PIERRE GRAMBERT project manager
administrateur de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
100



ACCESS ROAD CENTRELINE ALIGNMENT									
Station 0+000.000 to 1+011.748									
ID	STATION	NORTHING	EASTING	ANGLE	BEARKING BACK	BEARING AHEAD	CURVE INFORMATION		
HOT BC PI	0+000.000 0+036.520 0+063.796	4999948.720 4999939.067 4999931.857	676210.276 676245.496 676271.803	140d1'43"	S 74d40'24" E	S 34d42'6" E	R=75 TC= 27.277	Arc ARC	LC=52.323 OC=39d58'17"
EC BC PI	0+088.842 0+110.558 0+136.814	4999909.433 4999891.580 4999869.994	676287.331 676299.694 676314.642	200d31'38"	S 34d42'6" E	S 55d13'45" E	R=145 TC= 26.256	Arc ARC	LC=51.949 OC=20d31'38"
EC BC PI	0+162.507 0+183.469 0+197.424	4999855.020 4999843.065 4999835.107	676336.210 676353.429 676364.892	148d48'44"	S 55d13'45" E	S 24d2'29" E	R=50 TC= 13.955	Arc ARC	LC=27.216 OC=31d11'16"
EC BC PI	0+210.686 0+214.447 0+230.023	4999822.363 4999818.928 4999804.704	676370.577 676372.109 676378.455	234d52'33"	S 24d2'29" E	S 78d55'2" E	R=30 TC= 15.576	Arc ARC	LC=28.733 OC=54d52'33"
EC BC PI	0+243.180 0+253.275 0+266.960	4999801.710 4999799.769 4999797.138	676393.740 676403.646 676417.077	130d57'23"	S 78d55'2" E	S 29d52'24" E	R=30 TC= 13.686	Arc ARC	LC=25.679 OC=49d2'37"
EC BC PI	0+278.954 0+289.857 0+302.402	4999785.271 4999775.817 4999764.939	676423.893 676429.324 676435.573	134d36'50"	S 29d52'24" E	S 15d30'45" W	R=30 TC= 12.545	Arc ARC	LC=23.764 OC=45d23'10"
EC BC PI	0+313.621 0+351.838 0+378.417	4999752.851 4999716.026 4999690.415	676432.217 676421.996 676414.888	263d4'44"	S 15d30'45" W	S 67d33'58" E	R=30 TC= 26.579	Arc ARC	LC=43.5 OC=83d4'44"
EC BC PI	0+395.338 0+402.937 0+414.686	4999680.273 4999677.373 4999672.889	676439.455 676446.479 676457.338	173d16'34"	S 67d33'58" E	S 60d50'32" E	R=200 TC= 11.749	Arc ARC	LC=23.471 OC=6d43'26"
EC BC PI	0+426.408 0+438.530 0+452.489	4999667.165 4999661.259 4999654.458	676467.599 676478.185 676490.375	141d31'32"	S 60d50'32" E	S 22d22'4" E	R=40 TC= 13.959	Arc ARC	LC=26.86 OC=38d28'28"
EC BC PI	0+465.390 0+516.504 0+537.369	4999641.549 4999594.282 4999574.986	676495.687 676515.138 676523.078	156d25'42"	S 22d22'4" E	S 1d12'14" W	R=100 TC= 20.865	Arc ARC	LC=41.14 OC=23d34'18"
PRC PI	0+557.644 0+569.412	4999554.126 4999542.361	676522.640 676522.393	206d29'14"	S 1d12'14" W	S 25d17'0" E	R=50 TC= 11.768	Arc ARC	LC=23.115 OC=26d29'14"
PRC PI	0+580.759 0+591.955	4999531.720 4999521.597	676527.418 676532.200	167d13'25"	S 25d17'0" E	S 12d30'25" E	R=100 TC= 11.196	Arc ARC	LC=22.299 OC=12d46'35"

ACCESS ROAD CENTRELINE ALIGNMENT									
Station 0+000.000 to 1+011.748									
ID	STATION	NORTHING	EASTING	ANGLE	BEARKING BACK	BEARING AHEAD	CURVE INFORMATION		
PRC PI	0+603.058 0+620.810	4999510.667 4999493.336	676534.625 676538.469	219d5'37"	S 12d30'25" E	S 51d36'2" E	R=50 TC= 17.752	Arc ARC	LC=34.116 OC=39d5'37"
PRC PI	0+637.173 0+652.965	4999482.310 4999472.501	676552.381 676564.757	144d56'43"	S 51d36'2" E	S 16d32'45" E	R=50 TC= 15.791	Arc ARC	LC=30.591 OC=35d3'17"
EC BC PI	0+667.764 0+740.265 0+754.831	4999457.364 4999387.865 4999373.902	676569.254 676589.901 676594.049	163d25'31"	S 16d32'45" E	S 360d1'44" W	R=100 TC= 14.566	Arc ARC	LC=28.928 OC=16d34'29"
EC BC PI	0+769.194 0+770.921 0+784.086	4999359.336 4999357.609 4999344.444	676594.041 676594.041 676594.034	227d23'12"	S 360d1'44" W	S 47d21'28" E	R=30 TC= 13.165	Arc ARC	LC=24.812 OC=47d23'12"
EC BC PI	0+795.732 0+803.483 0+820.989	4999335.526 4999330.275 4999318.417	676603.718 676609.419 676622.297	119d28'16"	S 47d21'28" E	S 13d10'16" W	R=30 TC= 17.506	Arc ARC	LC=31.693 OC=60d31'44"
EC BC PI	0+835.176 0+843.946 0+855.740	4999301.372 4999292.833 4999281.349	676618.308 676616.309 676613.622	222d55'28"	S 13d10'16" W	S 29d45'12" E	R=30 TC= 11.794	Arc ARC	LC=22.475 OC=42d55'28"
EC BC PI	0+866.421 0+874.136 0+884.885	4999271.109 4999264.411 4999255.079	676619.475 676623.304 676628.638	192d16'16"	S 29d45'12" E	S 42d1'28" E	R=100 TC= 10.75	Arc ARC	LC=21.417 OC=12d16'16"
EC BC PI	0+895.553 0+916.096 0+926.349	4999247.093 4999231.833 4999224.216	676635.835 676649.587 676656.451	142d15'47"	S 42d1'28" E	S 4d17'15" E	R=30 TC= 10.253	Arc ARC	LC=19.759 OC=37d44'13"
EC BC PI	0+935.855 0+939.942 0+949.571	4999213.992 4999209.916 4999200.314	676657.218 676657.523 676658.243	198d14'2"	S 4d17'15" E	S 22d31'18" E	R=60 TC= 9.629	Arc ARC	LC=19.095 OC=18d14'2"
EC BC PI	0+959.037 0+967.392 0+975.160	4999191.420 4999183.702 4999176.527	676661.931 676665.131 676668.107	175d33'6"	S 22d31'18" E	S 18d4'23" E	R=200 TC= 7.768	Arc ARC	LC=15.528 OC=4d26'54"
EC HOT	0+982.920 1+011.748	4999169.142 4999141.736	676670.516 676679.460						

HORIZONTAL AND VERTICAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	4999191.983	676807.434	333.052	HCP
1002	4999170.615	676734.280	333.391	HCP
1003	4999929.756	676187.181	358.100	VCP TOP BOLT ON DAM
10413	4999954.563	676205.126	359.775	VCP BOLT IN ROCK

- NOTES:
- COORDINATES IN UTM ZONE 17 NAD83 CSRS 2010.
 - ALL ELEVATIONS BASED ON VCP 1003 (CGVD 2013 DATUM) AS ESTABLISHED BY C.D. BUNKER O.L.S., C.L.S. ON CANADA LANDS SURVEYS RECORDS 105200 PLAN OF SURVEY DATED APRIL 18, 2016.



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revision	description	date

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	C	drawing no. - where detailed

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MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
HORIZONTAL ALIGNMENT

drawn by
dessine par
A.C.

designed by
conc par
A.C.

approved by
approuve par
B.P.

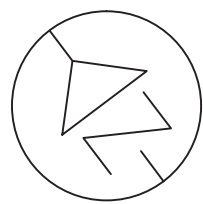
tender
soumission
PIERRE GRAMBERT

project manager
administrateur
de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessine no.
101



5	ISSUED FOR TENDER	2019/07/23
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COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
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drawing title
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**REMOVALS AND
ENVIRONMENTAL MIGITATION
STA. 0+000 TO 0+500**

drawn by
dessine par
A.C.

designed by
conc. par
A.C.

approved by
approuve par
B.P.

tender
soumission
PIERRE GRAMBART

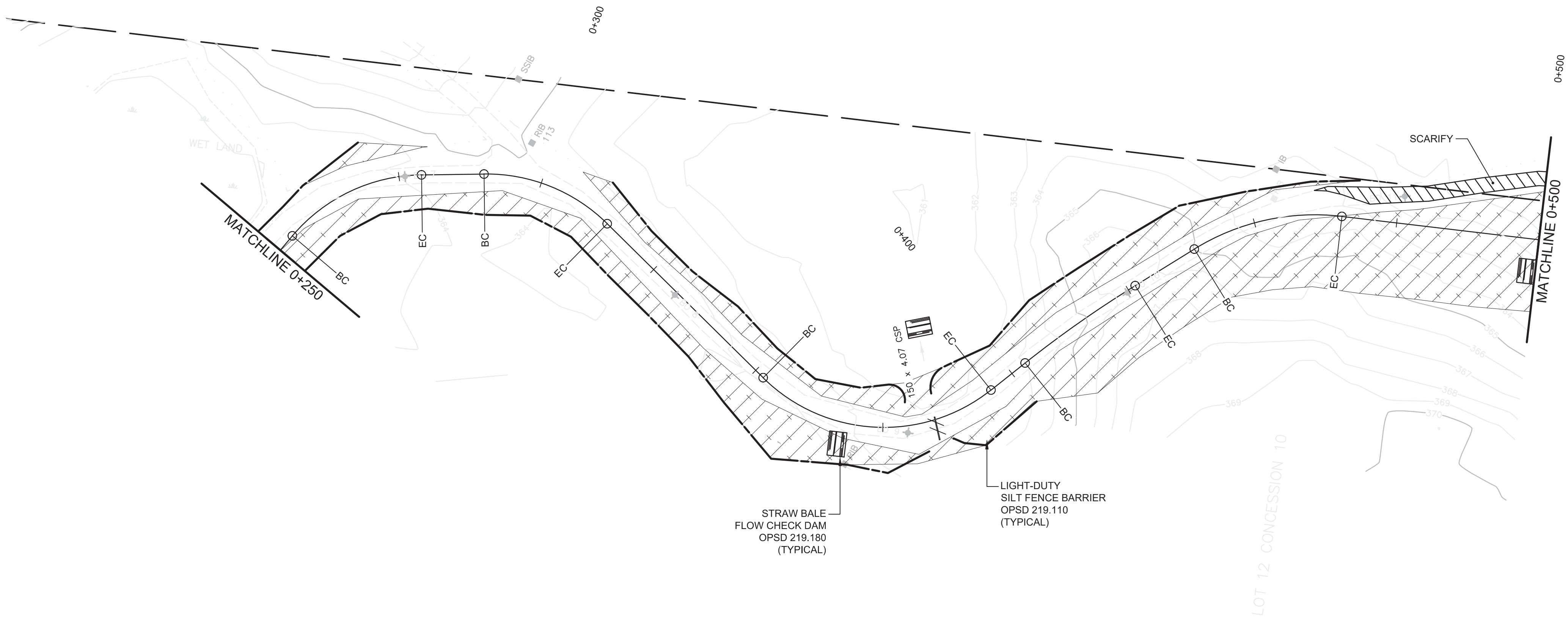
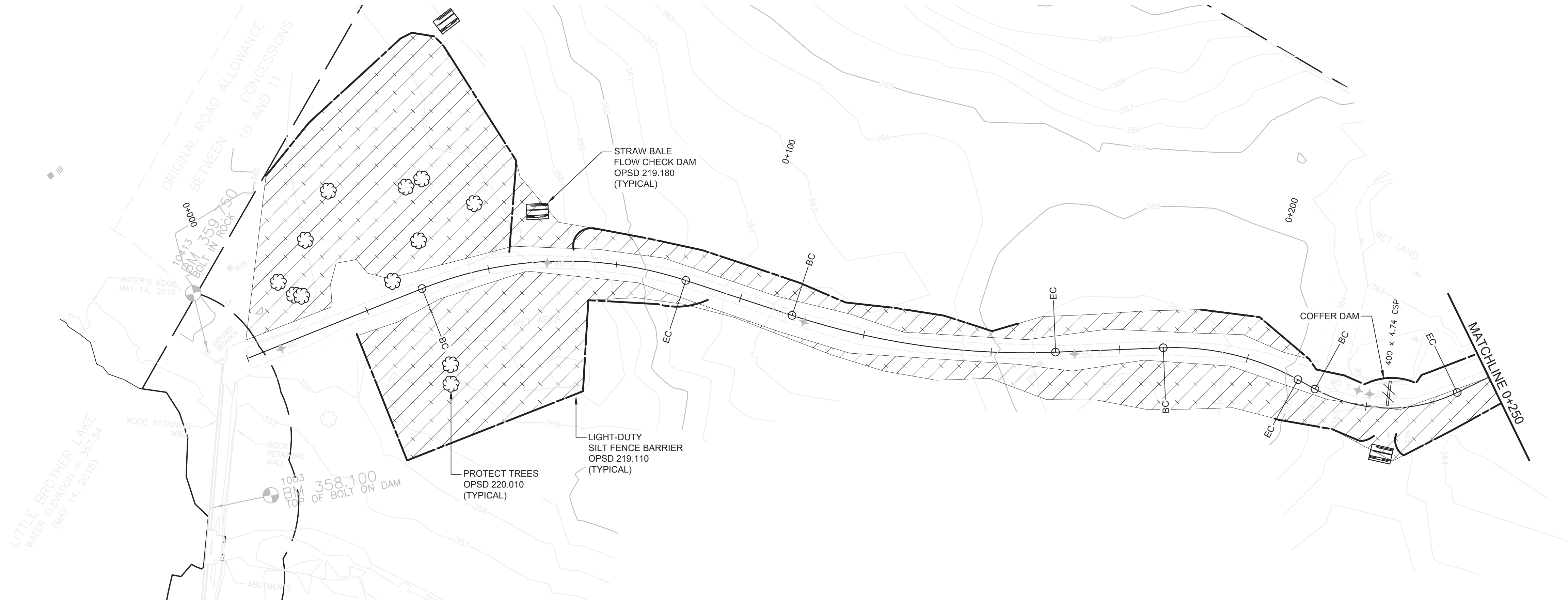
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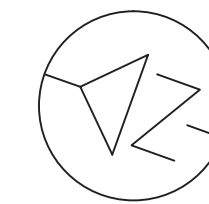
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drawing no.
dessine no.
200

SCALE
5m 0 10m
Horizontal





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**LITTLE BROTHER LAKE DAM
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**REMOVALS AND
ENVIRONMENTAL MIGITATION
STA. 0+500 TO 1+012**

drawn by
dessine par

A.C.

designed by
conc par

A.C.

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B.P.

tender
soumission

PIERRE GRAMBART

project manager
administrateur de projets

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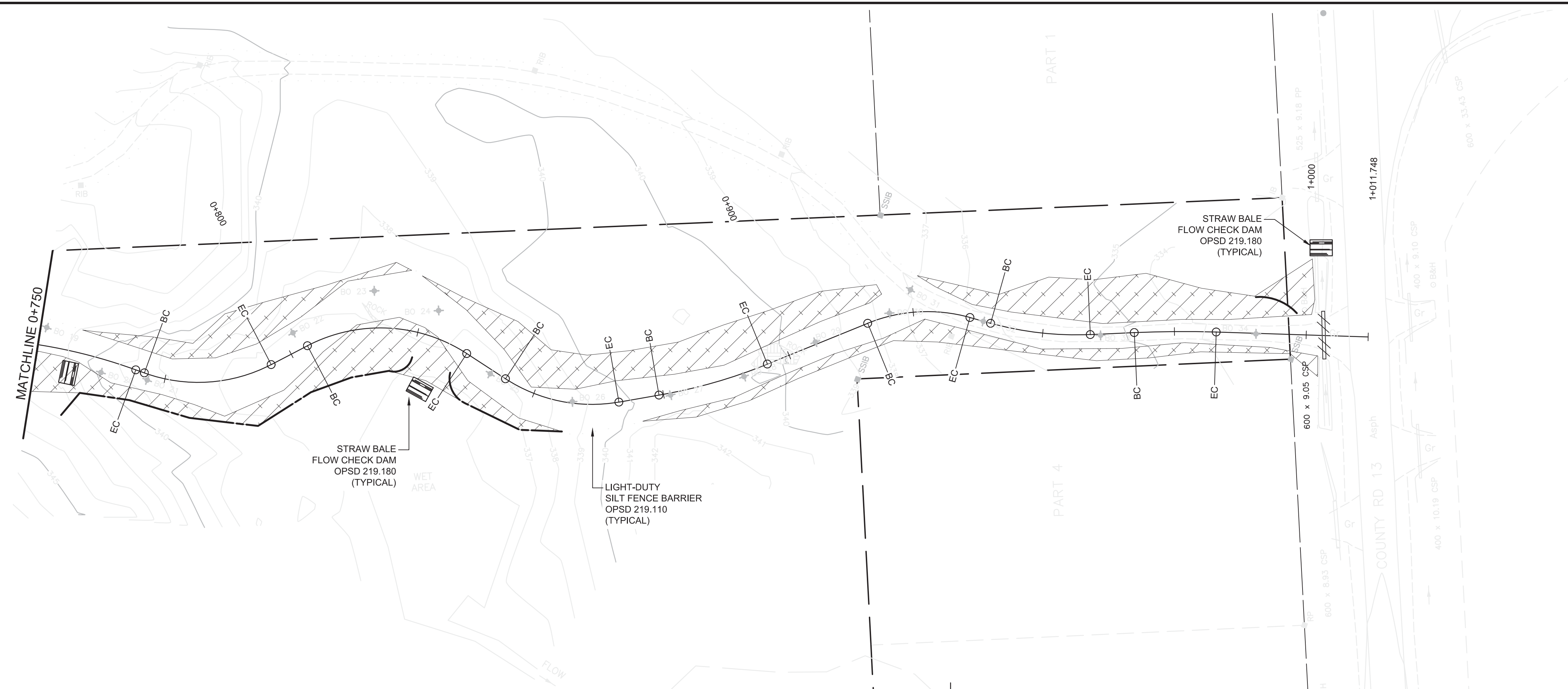
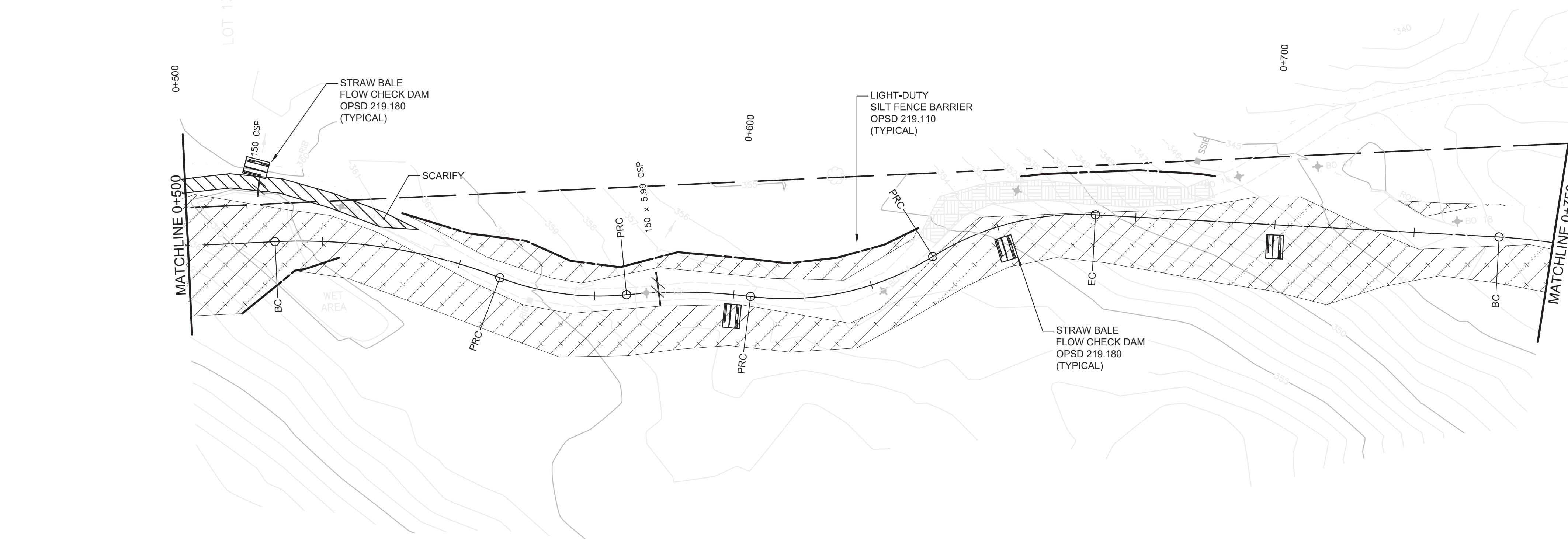
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drawing no.
dessine no.

201



SCALE
5m 0 10m
Horizontal



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Government Services Canada
Architectural and Engineering Services
Ontario Region

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Services gouvernementaux Canada
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CONSULTING
ENGINEERS
PLANNERS



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**ENVIRONMENTAL MITIGATION
DETAILS**

drawn by
dessiné par
A.C.

designed by
conçu par
A.C.

approved by
approuvé par
B.P.

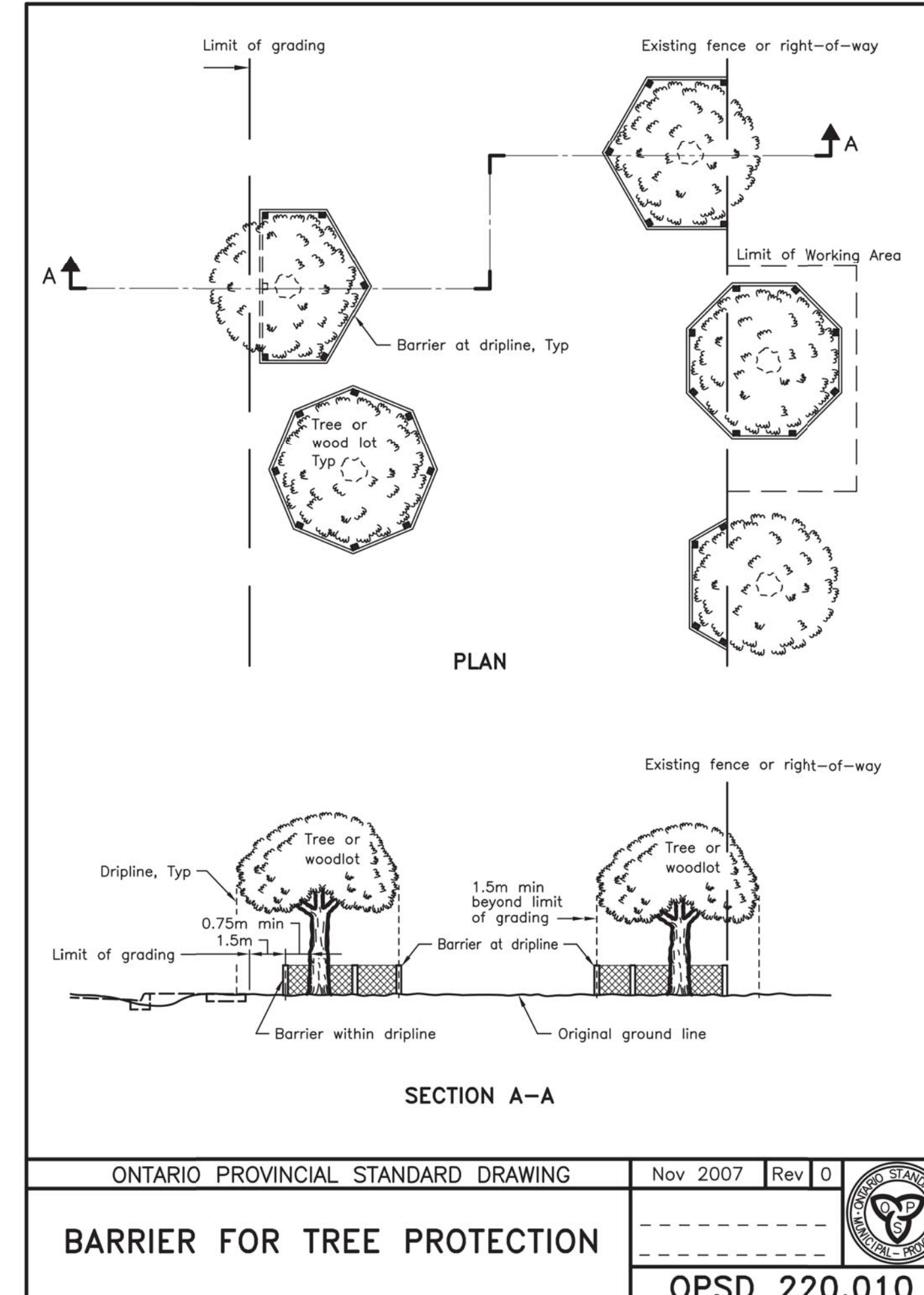
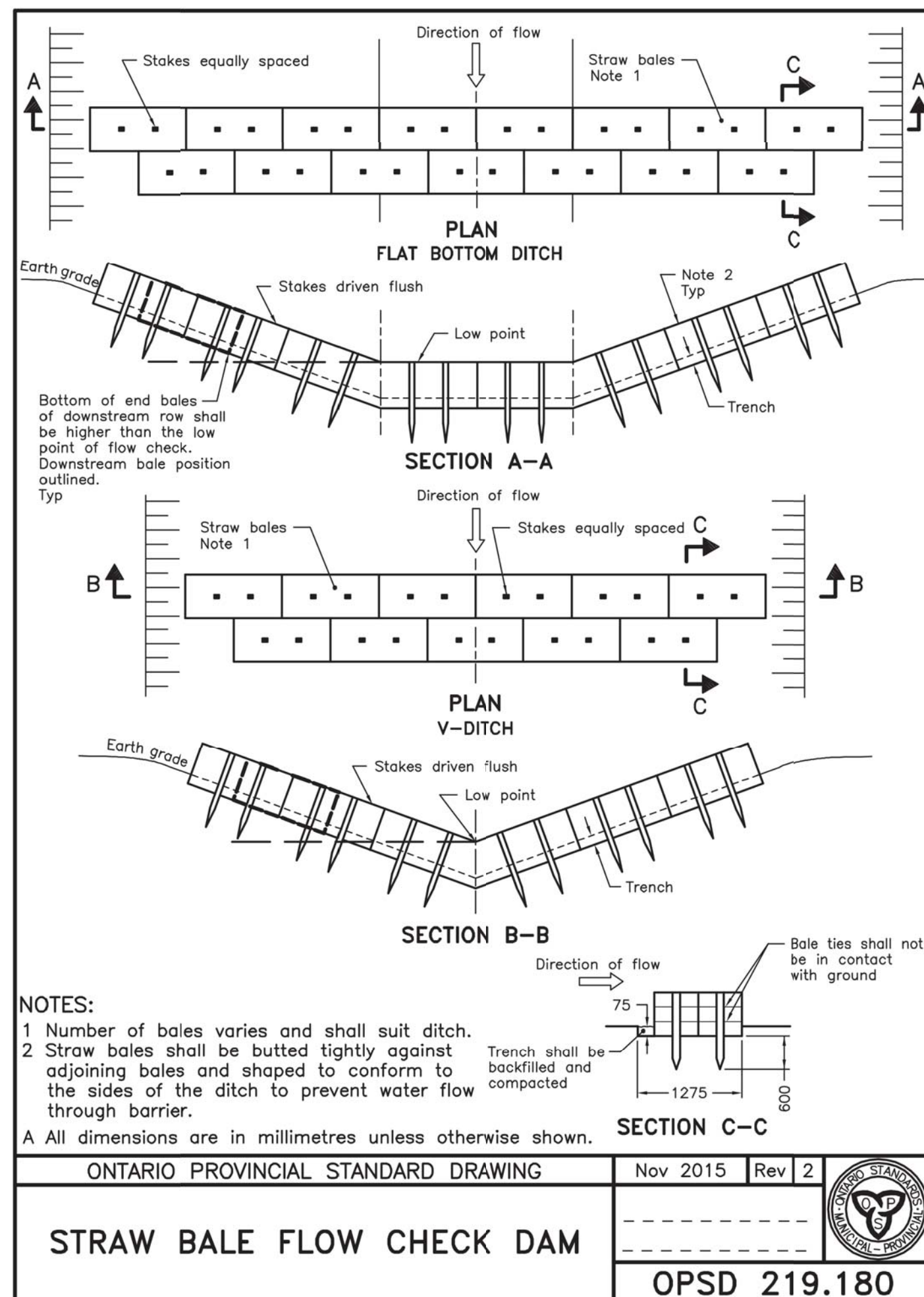
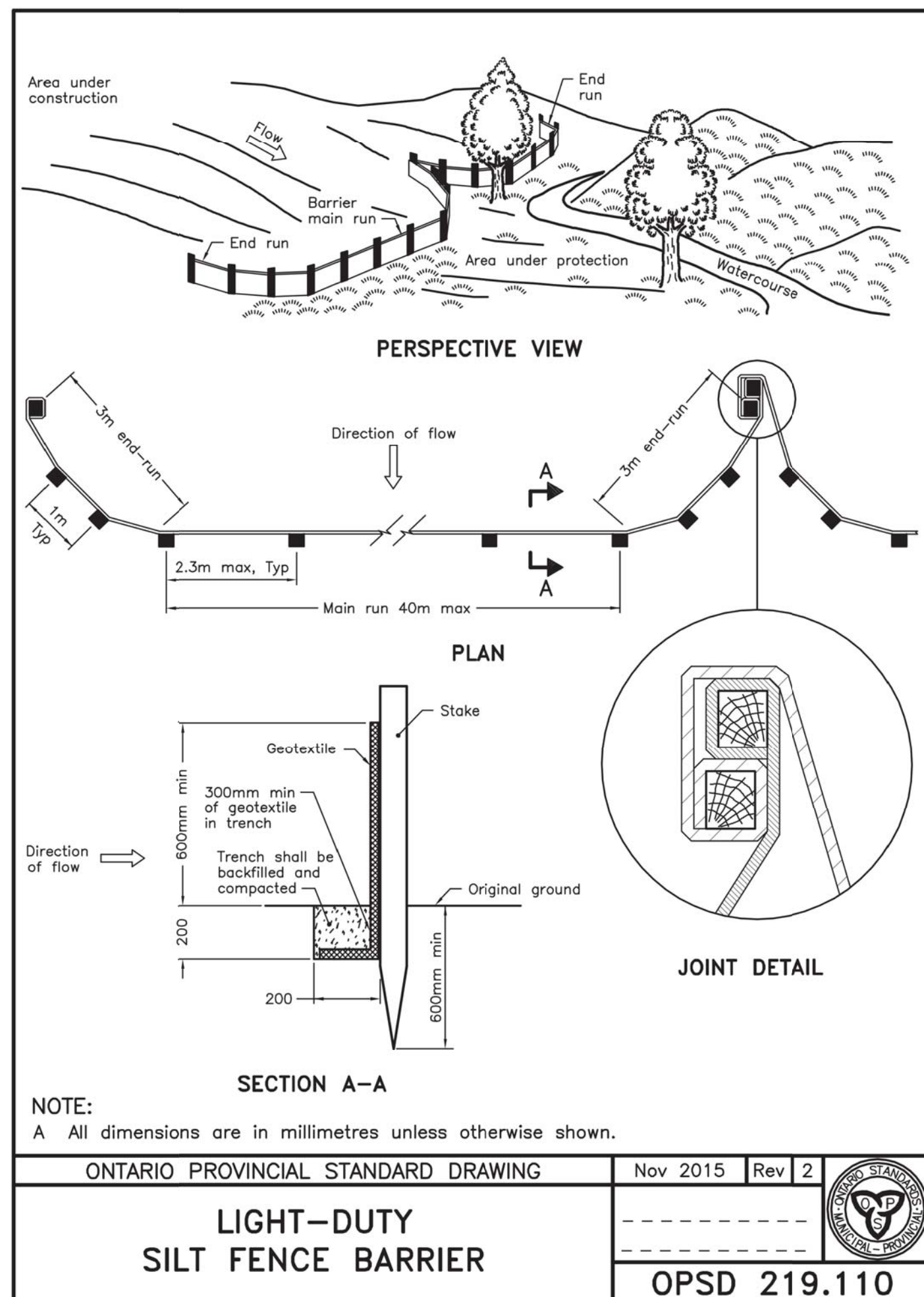
tender
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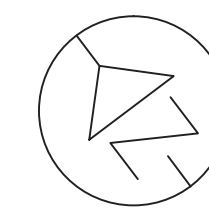
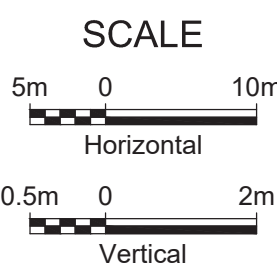
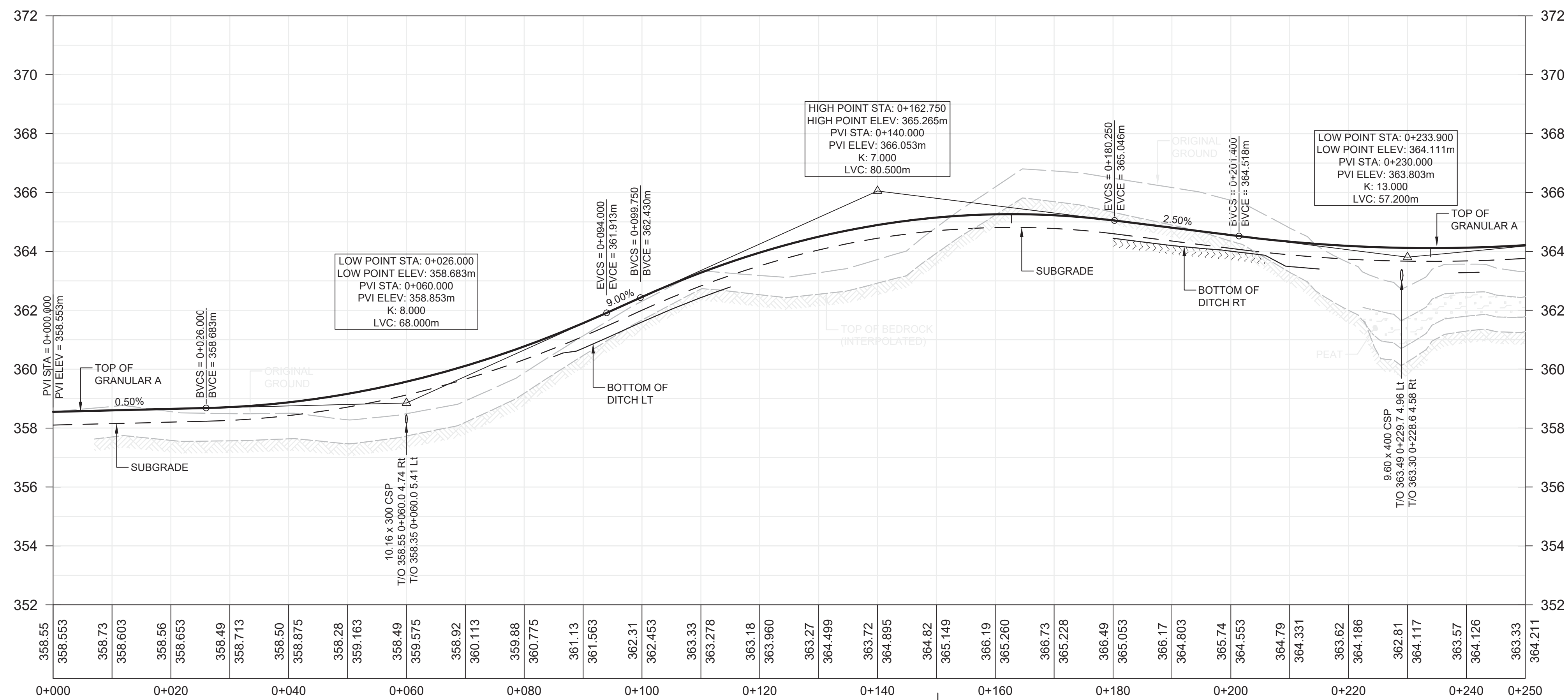
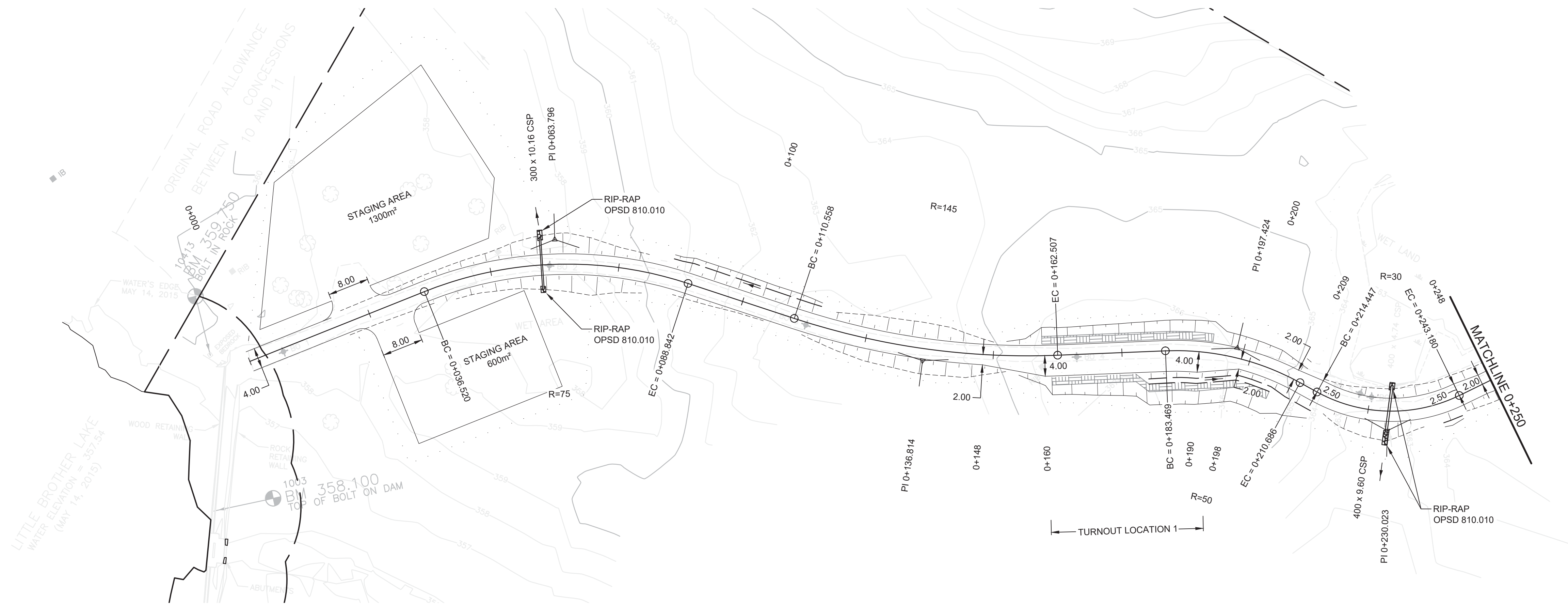
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drawing no.
dessiné no.
202





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TWP. OF ALGONQUIN HIGHLANDS
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**LITTLE BROTHER LAKE DAM
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drawing title
titre du dessin
**NEW CONSTRUCTION
STA. 0+000 TO 0+250**

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dessiné par
A.C.

designed by
conçu par
A.C.

approved by
approuvé par
B.P.

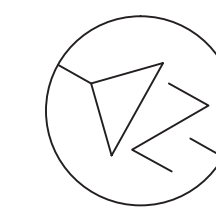
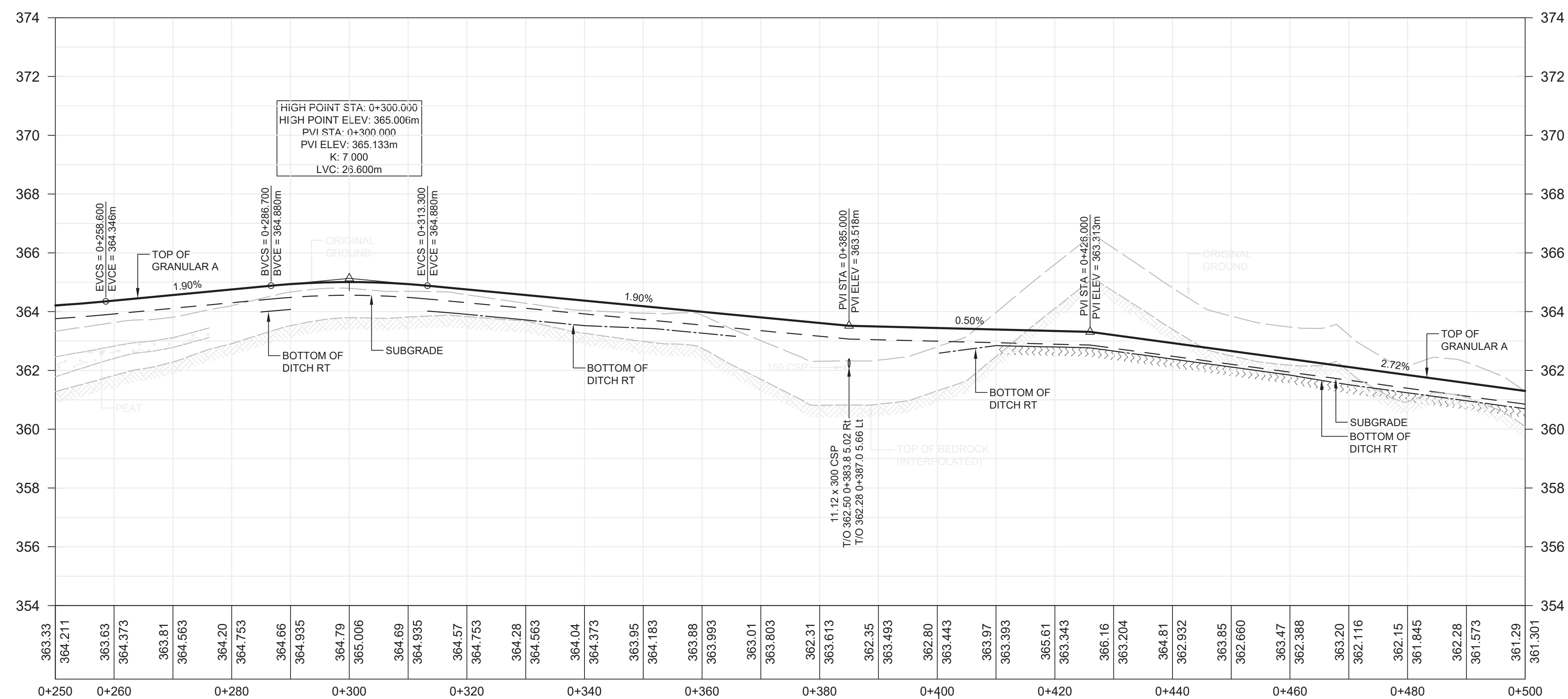
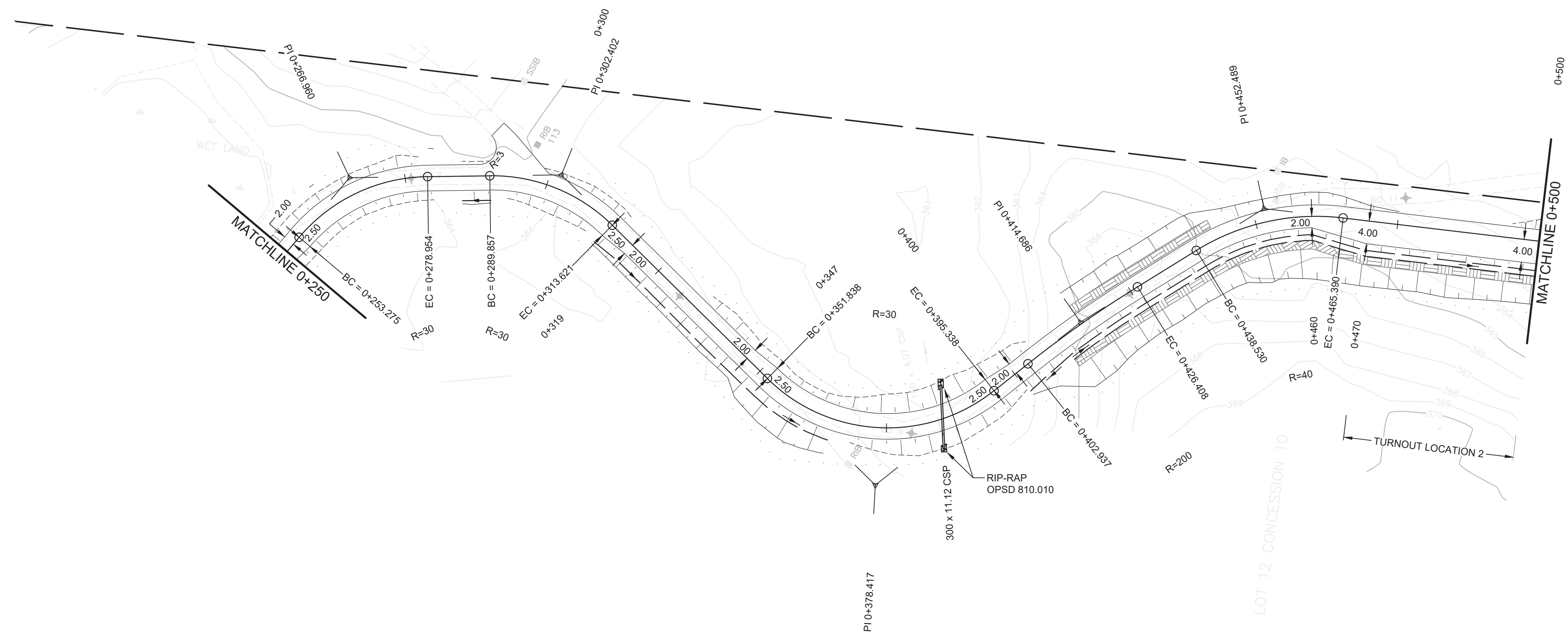
tender
soumission
PIERRE GRAMBART

project manager
administrateur
de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
300



5	ISSUED FOR TENDER	2019/07/23
4	REVISED PER MITIGATION MEASURES	2019/03/28
3	FINAL SUBMISSION	2018/05/25
2	99% SUBMISSION	2018/02/12
1	50% SUBMISSION	2018/01/15
0	CONCEPT DESIGN SUBMISSION	2017/12/15
revision	description	date

Do not scale drawings.
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A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
**NEW CONSTRUCTION
STA. 0+250 TO 0+500**

drawn by
dessiné par
A.C.

designed by
conçue par
A.C.

approved by
approuvé par
B.P.

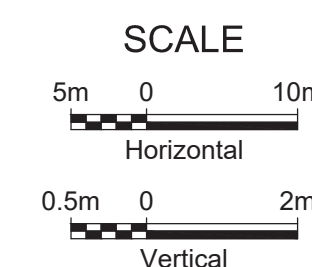
tender
soumission
PIERRE GRAMBART

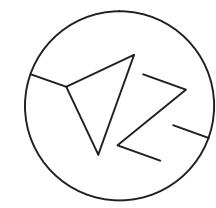
project manager
administrateur
de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
301





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Ontario Region

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Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario



5	ISSUED FOR TENDER	2019/07/23
4	REVISED PER MITIGATION MEASURES	2019/03/28
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0	CONCEPT DESIGN SUBMISSION	2017/12/15
revision	description	date

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A	Detail No.
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C	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
**NEW CONSTRUCTION
STA. 0+500 TO 0+750**

drawn by
dessiné par
A.C.

designed by
conçu par
A.C.

approved by
approuvé par
B.P.

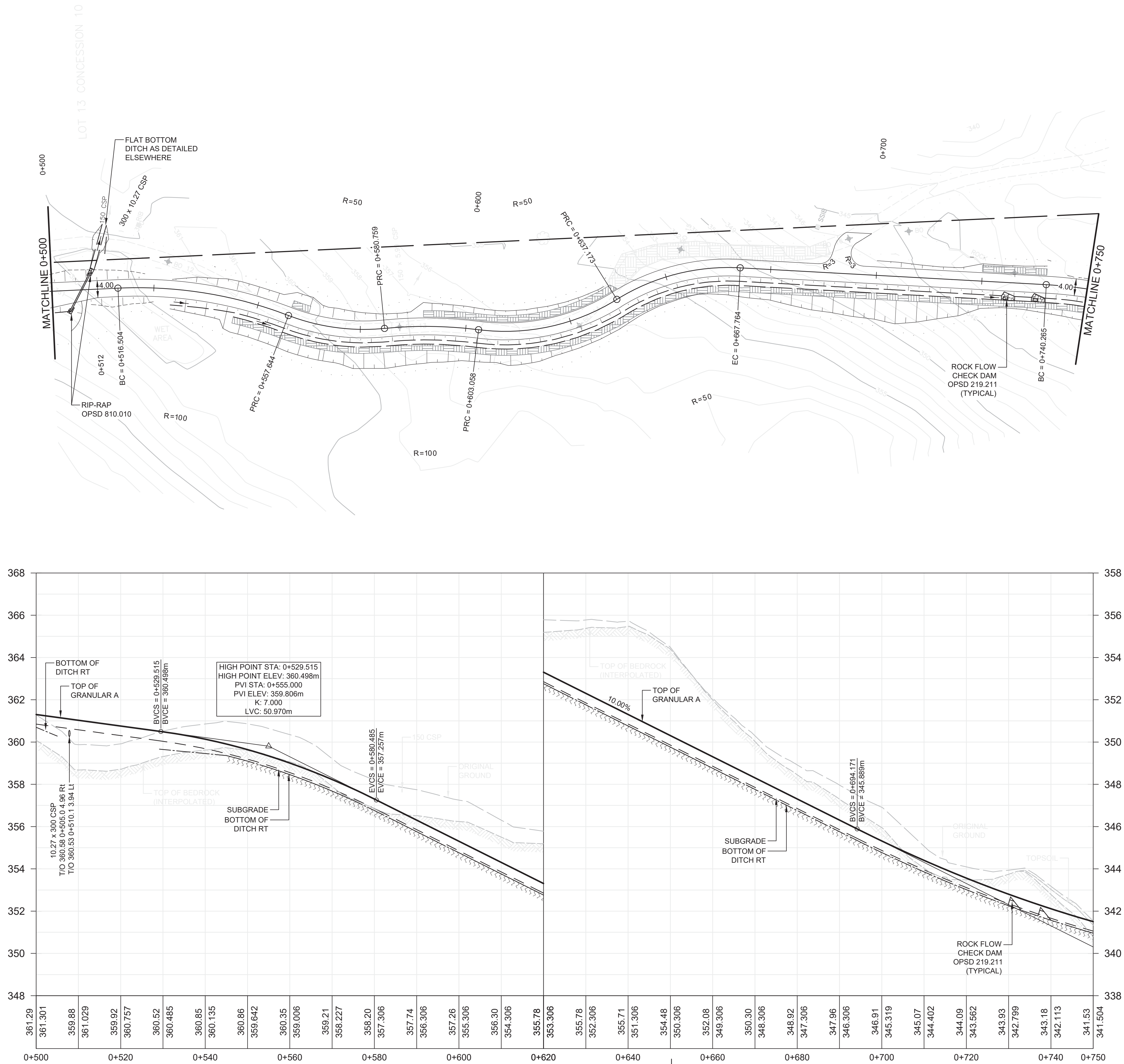
tender
soumission
PIERRE GRAMBART

project manager
administrateur
de projets

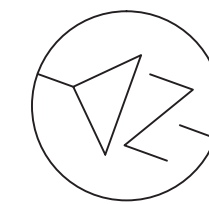
project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
302



SCALE
5m 0 10m
Horizontal
0.5m 0 2m
Vertical



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Ontario Region

Travaux publics et
Services gouvernementaux Canada
Services d'architecture et de génie
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project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
**NEW CONSTRUCTION
STA. 0+750 TO 1+012**

drawn by
dessiné par
A.C.

designed by
conçu par
A.C.

approved by
approuvé par
B.P.

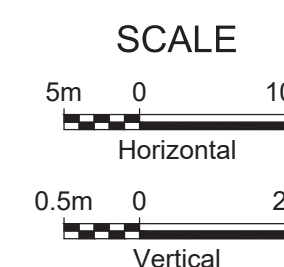
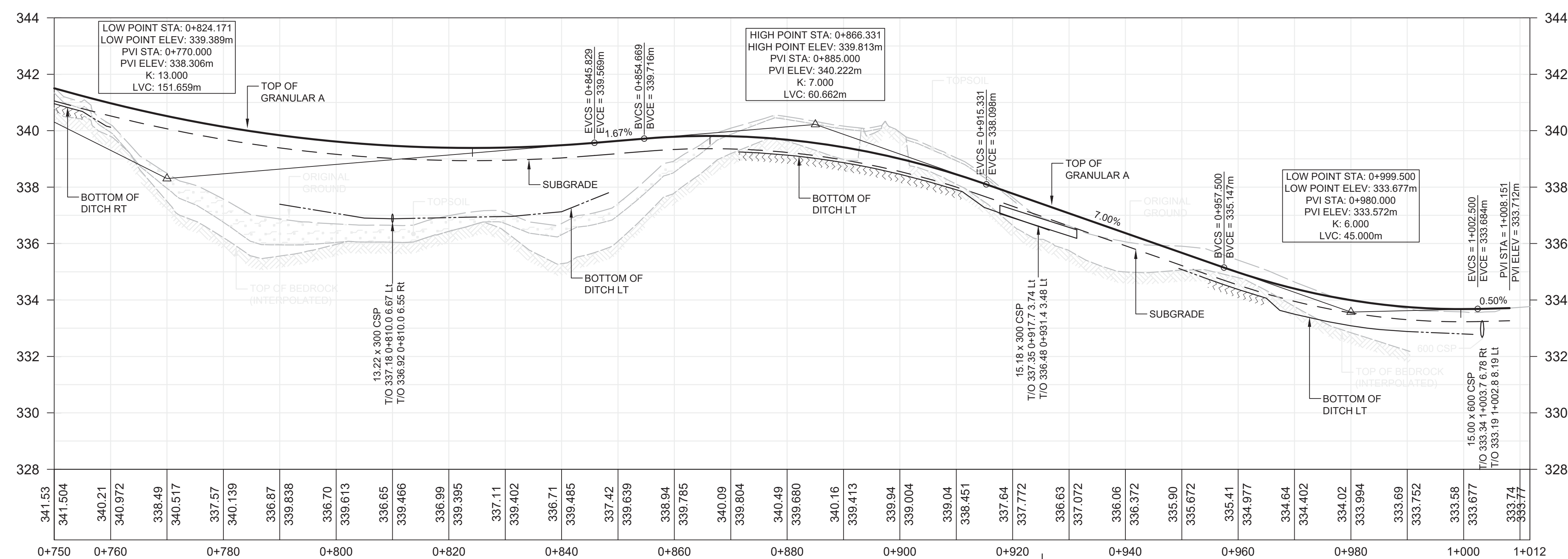
tender
soumission
PIERRE GRAMBART

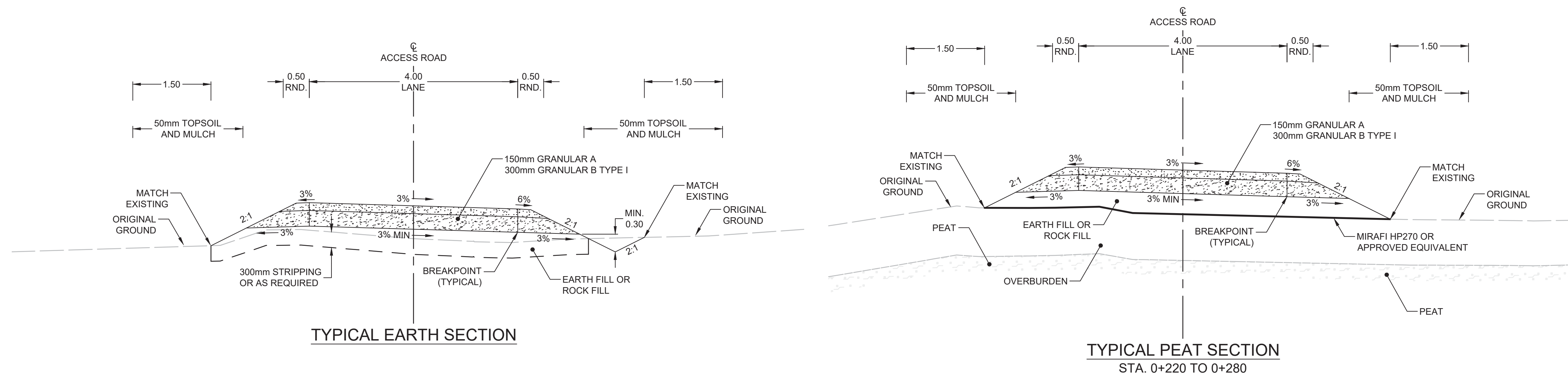
project manager
administrateur
de projets

project date
date du projet
2019/08

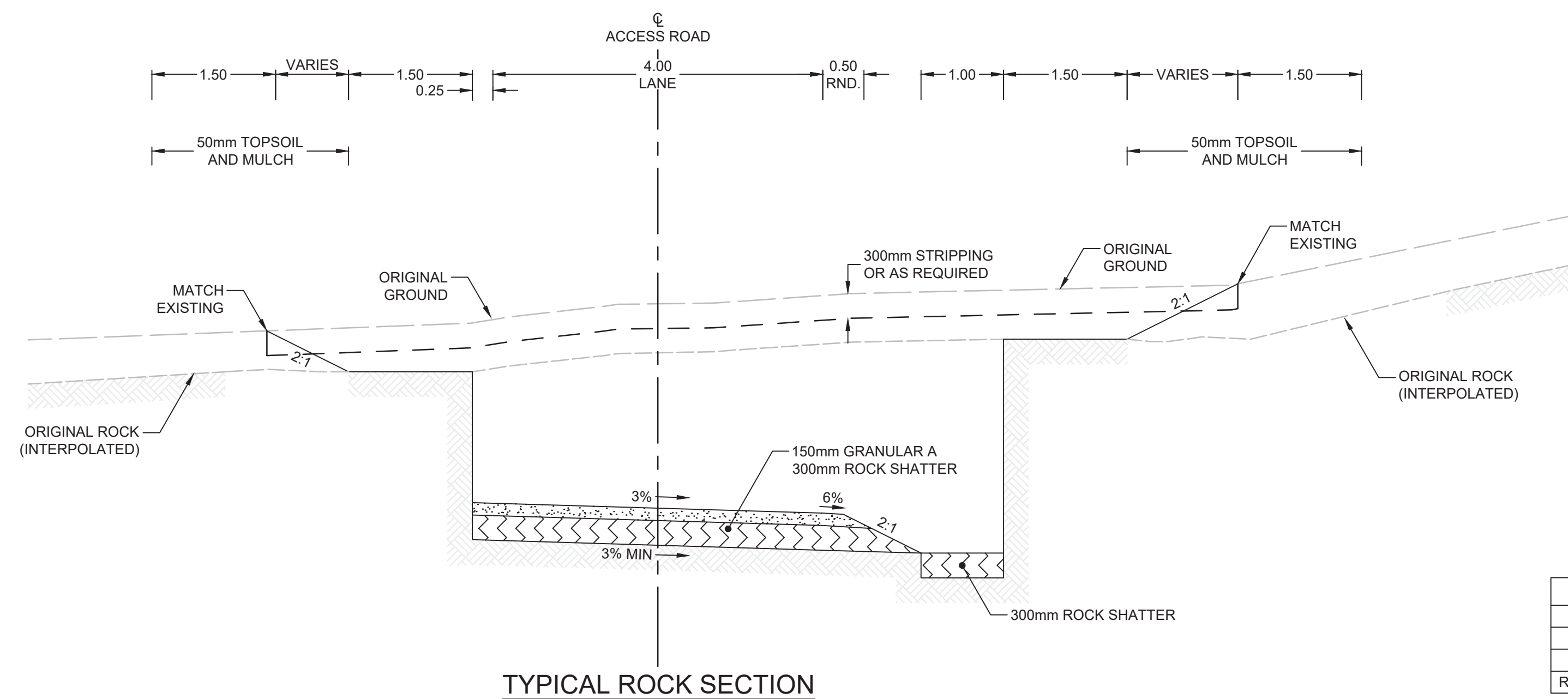
project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
303



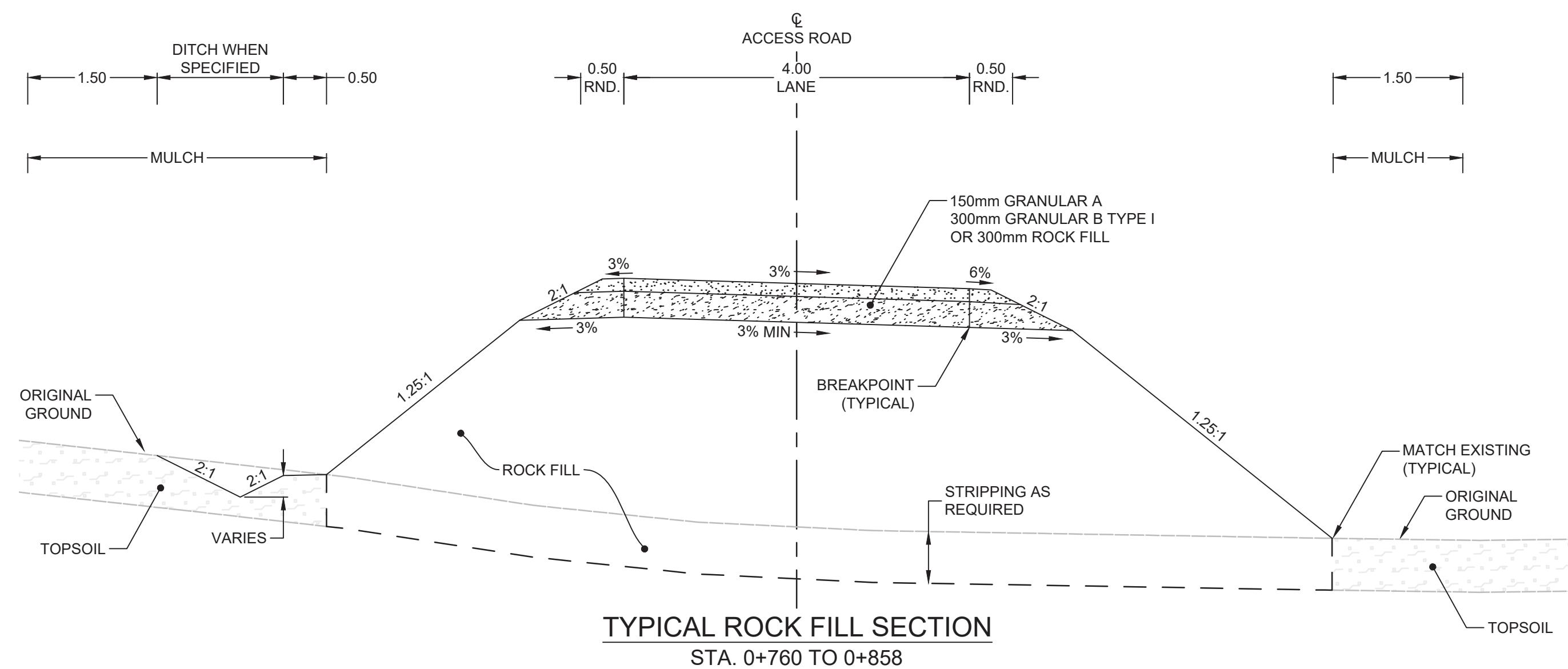


TYPICAL EARTH SECTION

TYPICAL PEAT SECTION
STA. 0+220 TO 0+280

TYPICAL ROCK SECTION

TYPICAL CROSSFALL (%)							
LANE	+3	+2	+1	0	-1	-2	-3
LANE SUBGRADE	+3	-3	-3	-3	-3	-3	-3
ROUNDING	-3	-3	-3	-4	-5	-6	-6
ROUNDING SUBGRADE	-3	-3	-3	-3	-3	-3	-3

TYPICAL ROCK FILL SECTION
STA. 0+760 TO 0+858

ACCESS RD LANE CROSSFALL (%)		
STATION	LT	RT
0+000.000	-3	-3
0+086.558	-3	-3
0+112.842	+3	+3
0+159.469	+3	+3
0+186.507	-3	-3
0+326.000	-3	-3
0+351.638	+3	+3
0+395.338	+3	+3
0+420.000	-3	-3
0+746.000	-3	-3
0+770.921	+3	+3
0+791.856	+3	+3
0+807.359	-3	-3
0+830.791	-3	-3
0+848.331	+3	+3
1+011.748	+3	+3

NOTES:

1. REFER TO PLANS AND CROSS SECTIONS FOR LOCATION(S).
2. DRAWING TO BE READ IN CONJUNCTION WITH OPSD 200 SERIES.
3. LANE WIDTHS VARY AT TURNOUT LOCATIONS AND WIDENING ON INSIDE OF SMALL RADIUS CURVES.

SCALE N.T.S.



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Services gouvernementaux Canada
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Région de l'Ontario



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project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
TYPICAL SECTIONS

drawn by
dessiné par
A.C.

designed by
conçue par
A.C.

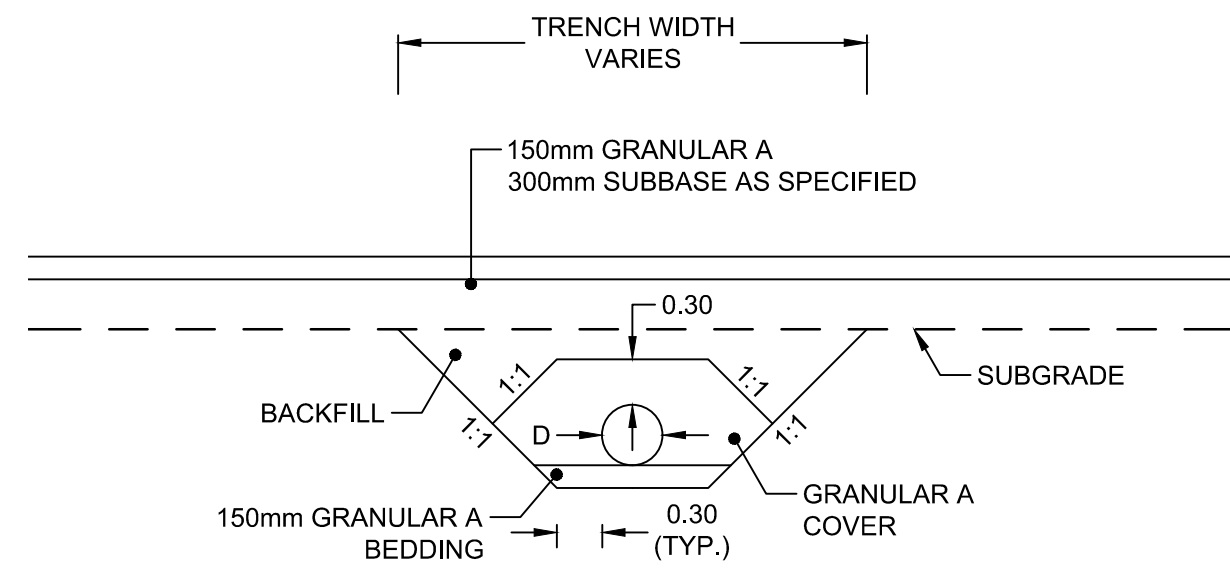
approved by
approuvé par
B.P.

tender
soumission
PIERRE GRAMBAT project manager
administrateur de projets

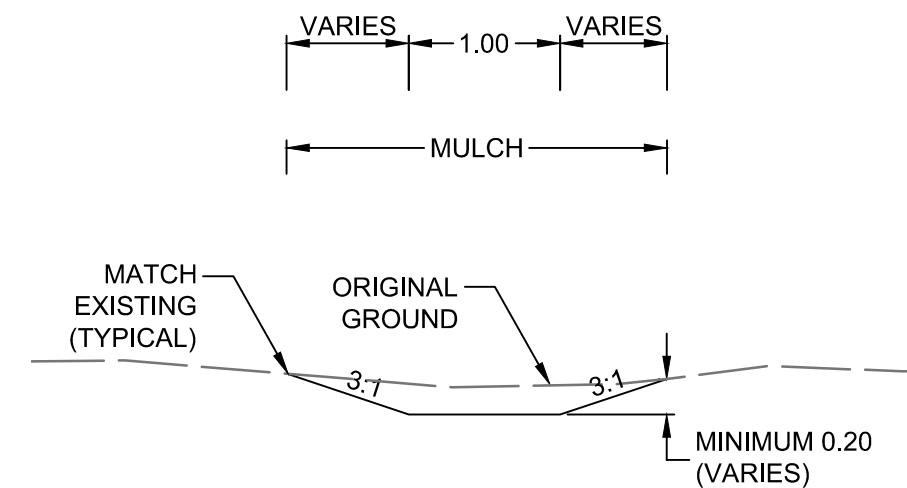
project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

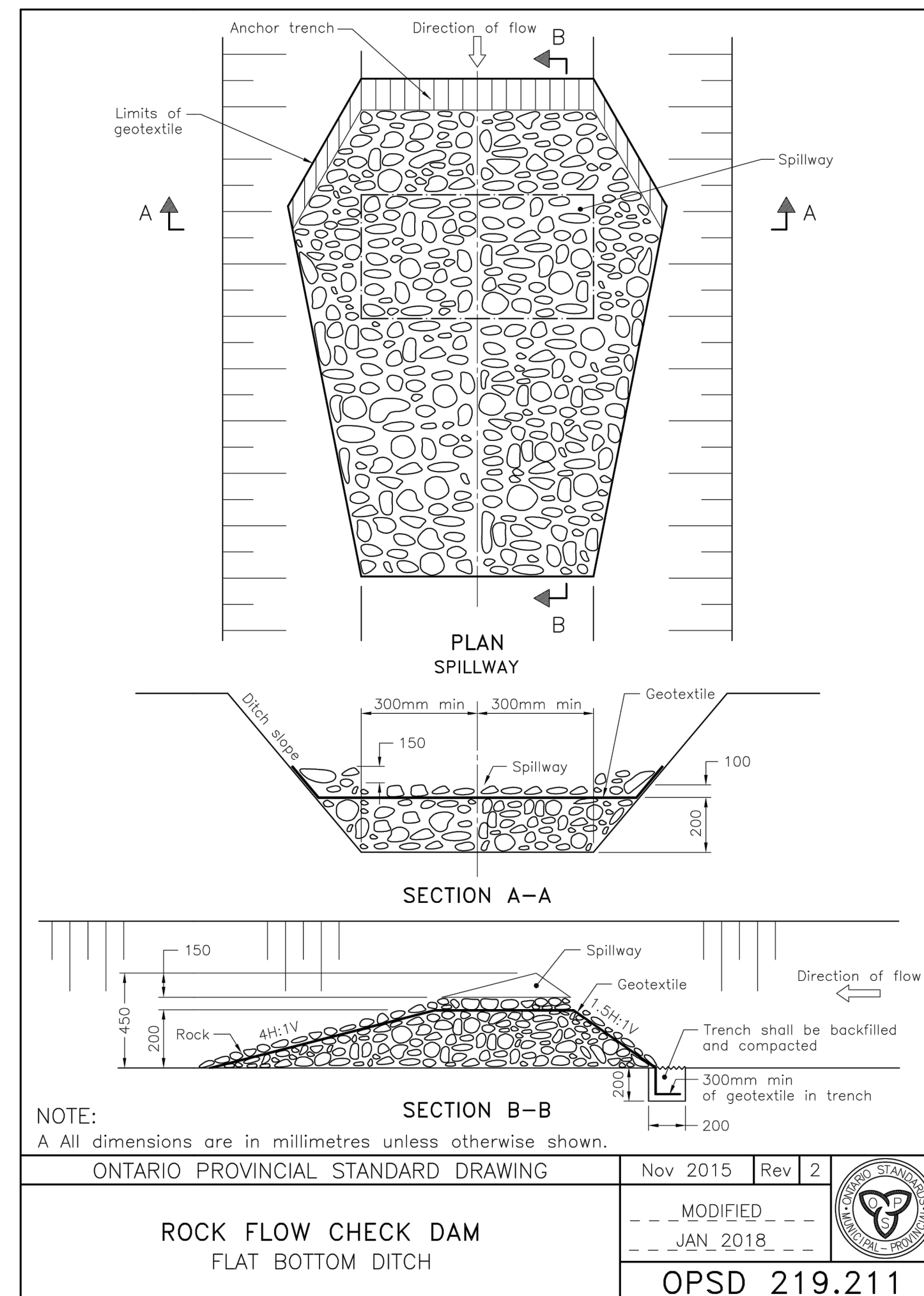
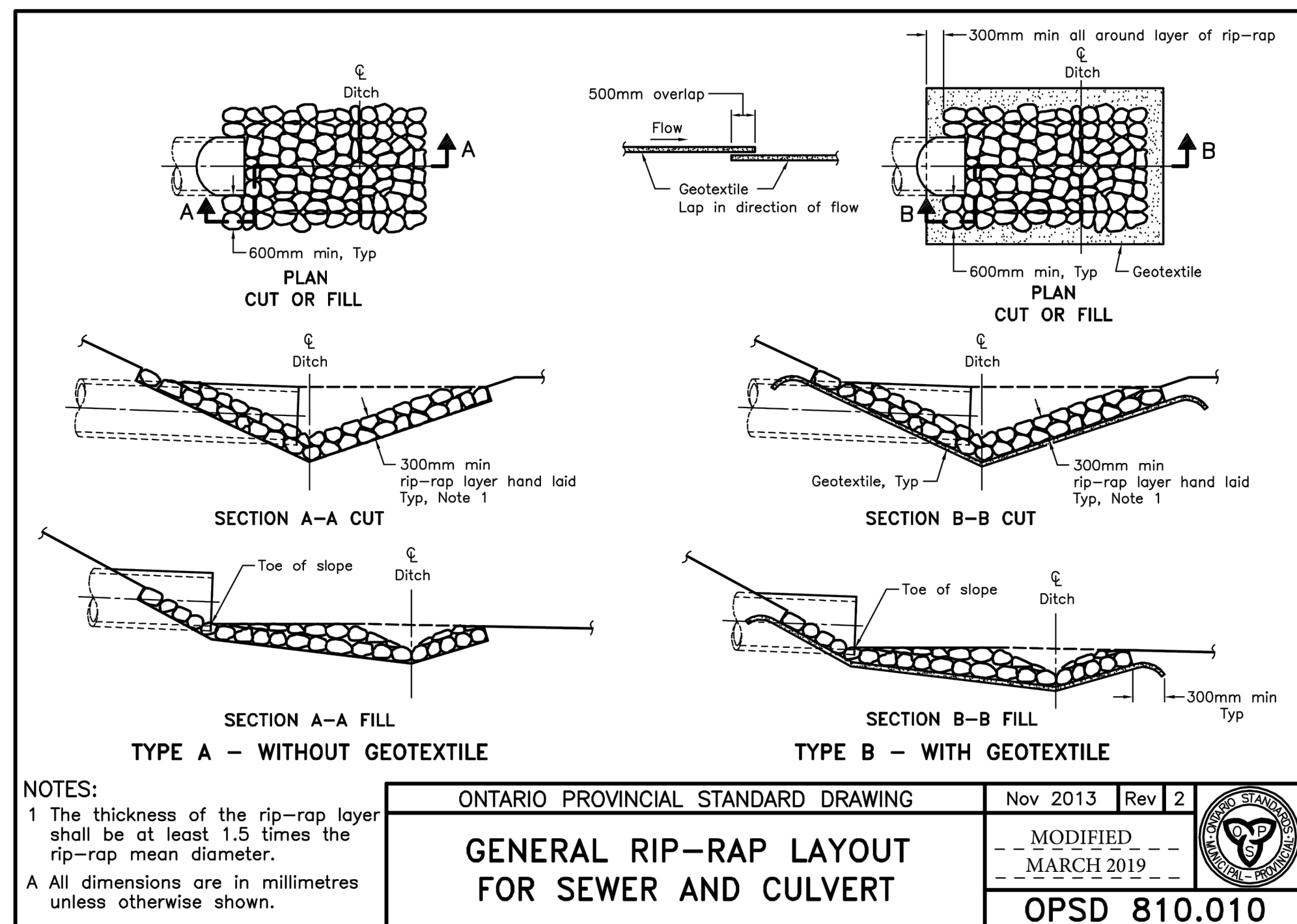
drawing no.
dessiné no.
400



CULVERT TRENCH REINSTATEMENT DETAIL



FLAT BOTTOM DITCH

**NOTES:**

1. TYPICALS TO BE READ IN CONJUNCTION WITH OPSD 200 AND 800 SERIES.
2. "D" IS PROPOSED PIPE DIAMETER.
3. EMBEDMENT AND BACKFILL PER OPSD 802.010, 802.013, AND 802.014.
4. PROVIDE RIP-RAP TREATMENTS PER OPSD 801.010 AT INLET AND OUTLET OF CULVERTS COMPLETE WITH NON-WOVEN GEOTEXTILE.
5. REFER TO PLANS FOR LOCATIONS.

SCALE N.T.S.



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project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

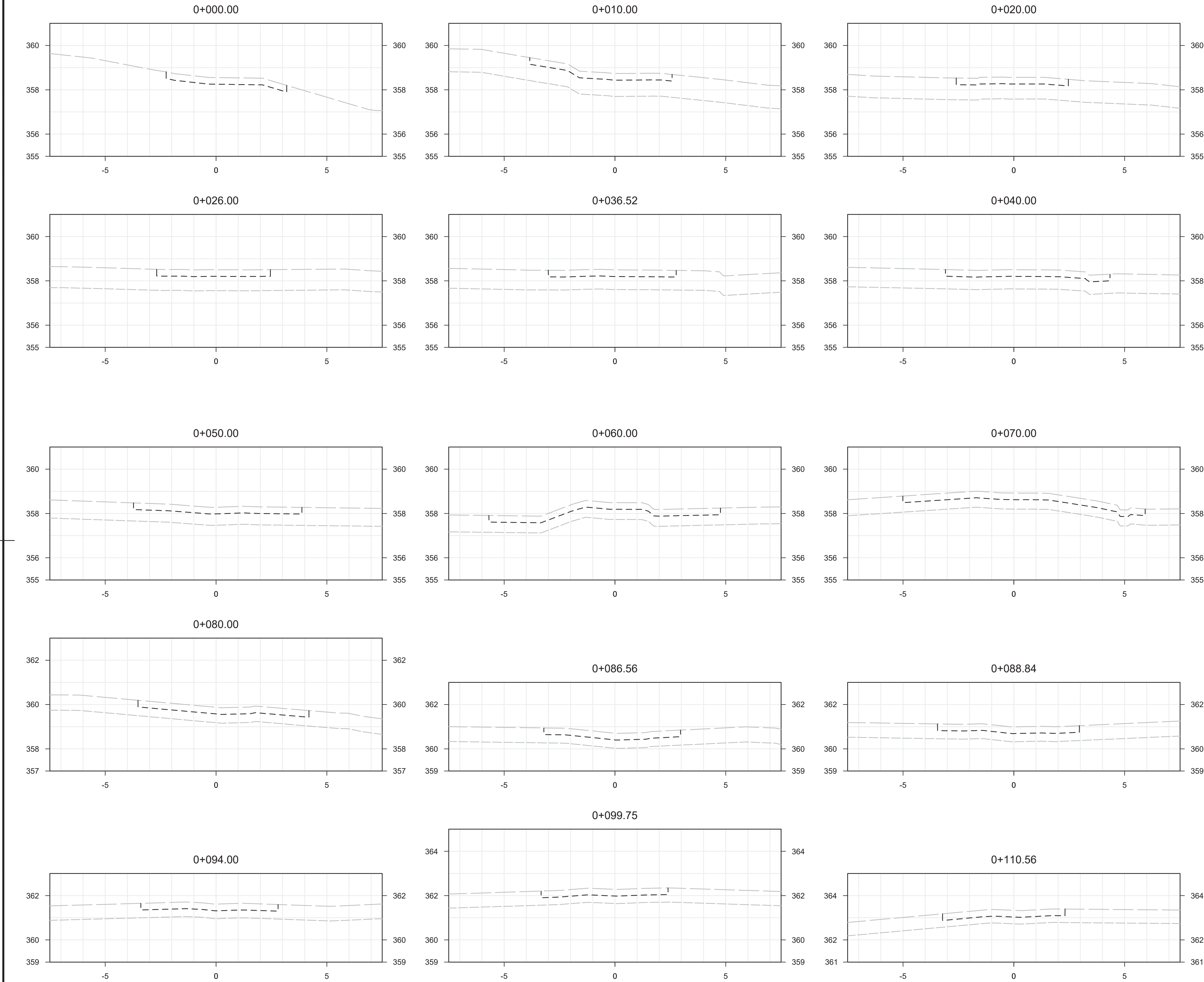
drawing title
titre du dessin
DETAILS

drawn by dessine par	A.C.
designed by conc par	A.C.
approved by approuve par	B.P.
tender soumission	PIERRE GRAMBART
project manager administrateur de projets	

project date
date du projet
2019/08



project no.
no. du projet
R.076951.170

drawing no.
dessine no.
401



4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
2	FINAL SUBMISSION	2018/05/25
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project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
CROSS SECTIONS

drawn by
dessine par **A.C.**

designed by
conc par **A.C.**

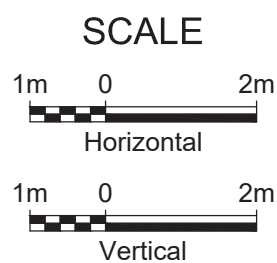
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approuve par **B.P.**

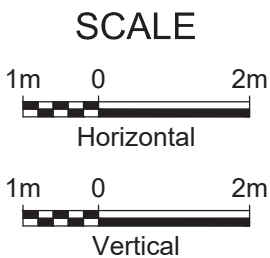
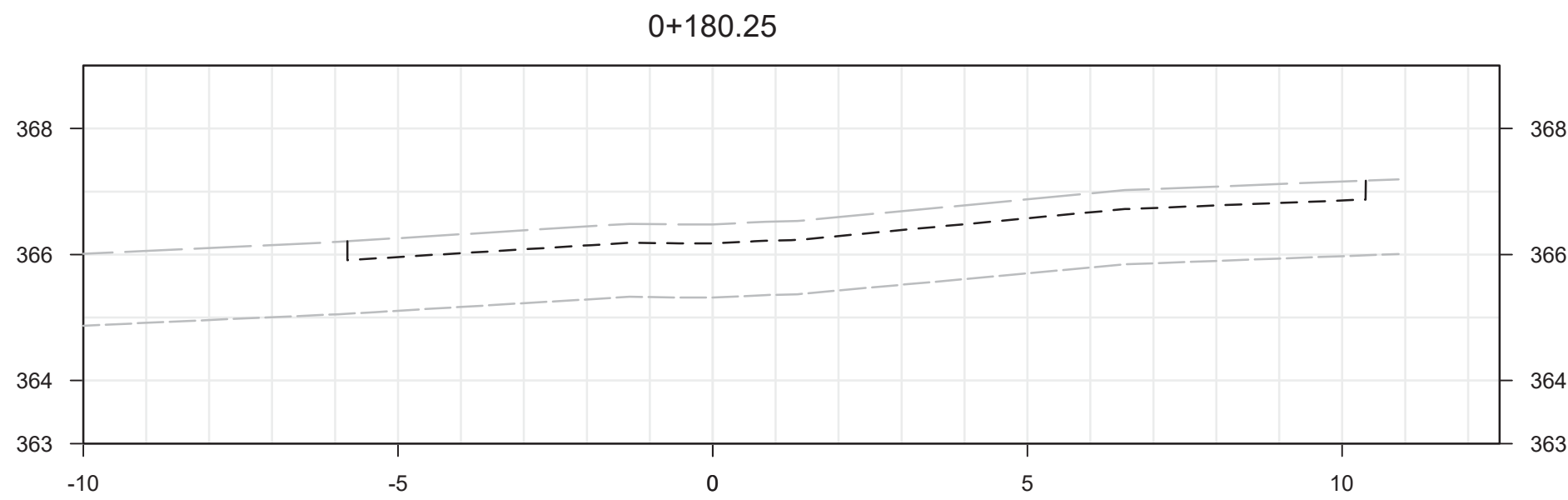
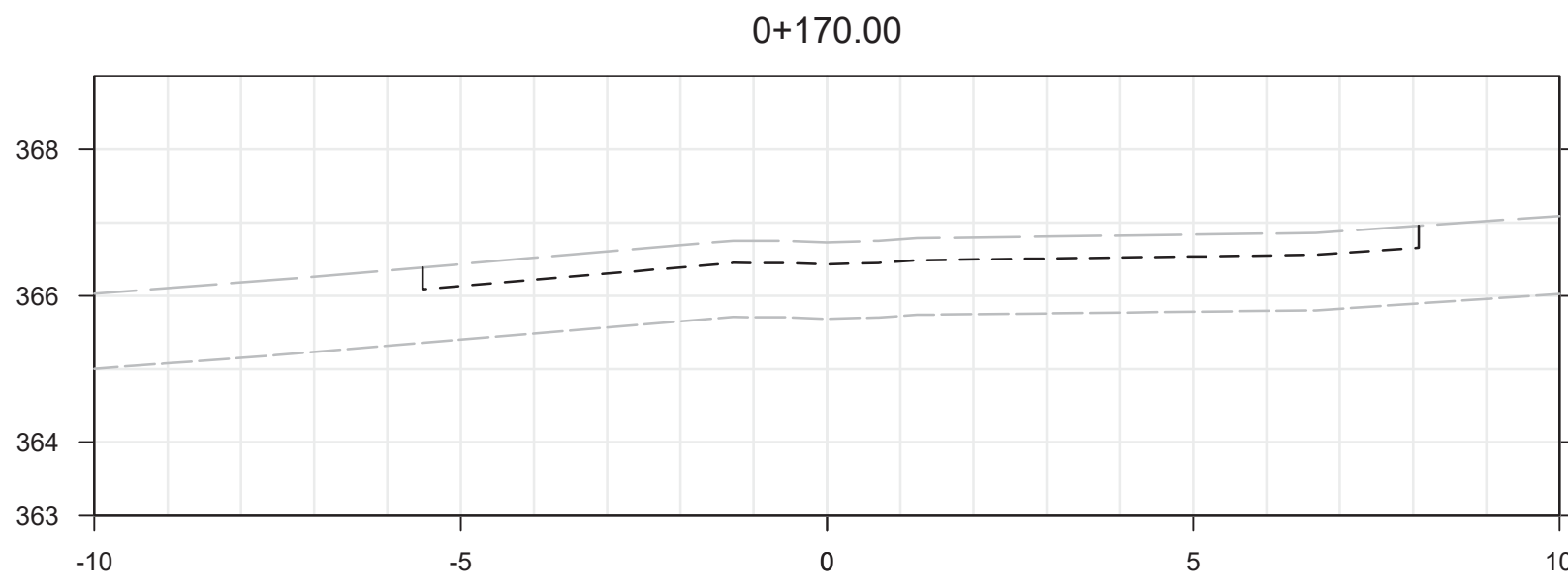
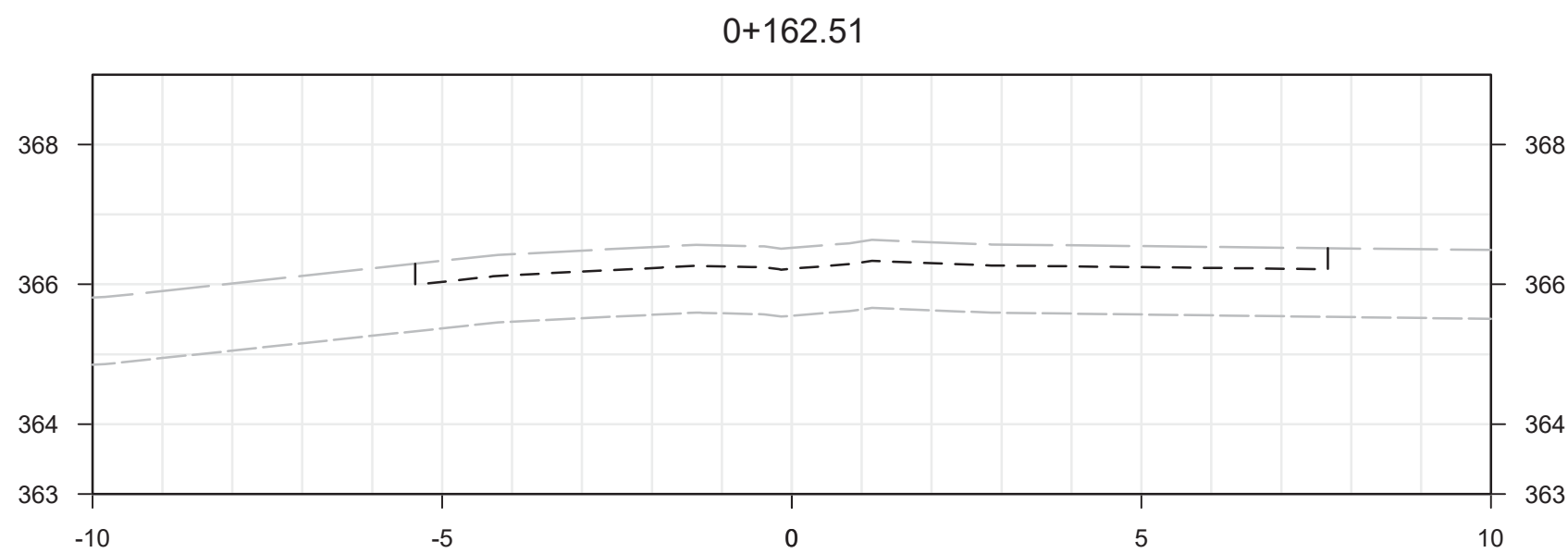
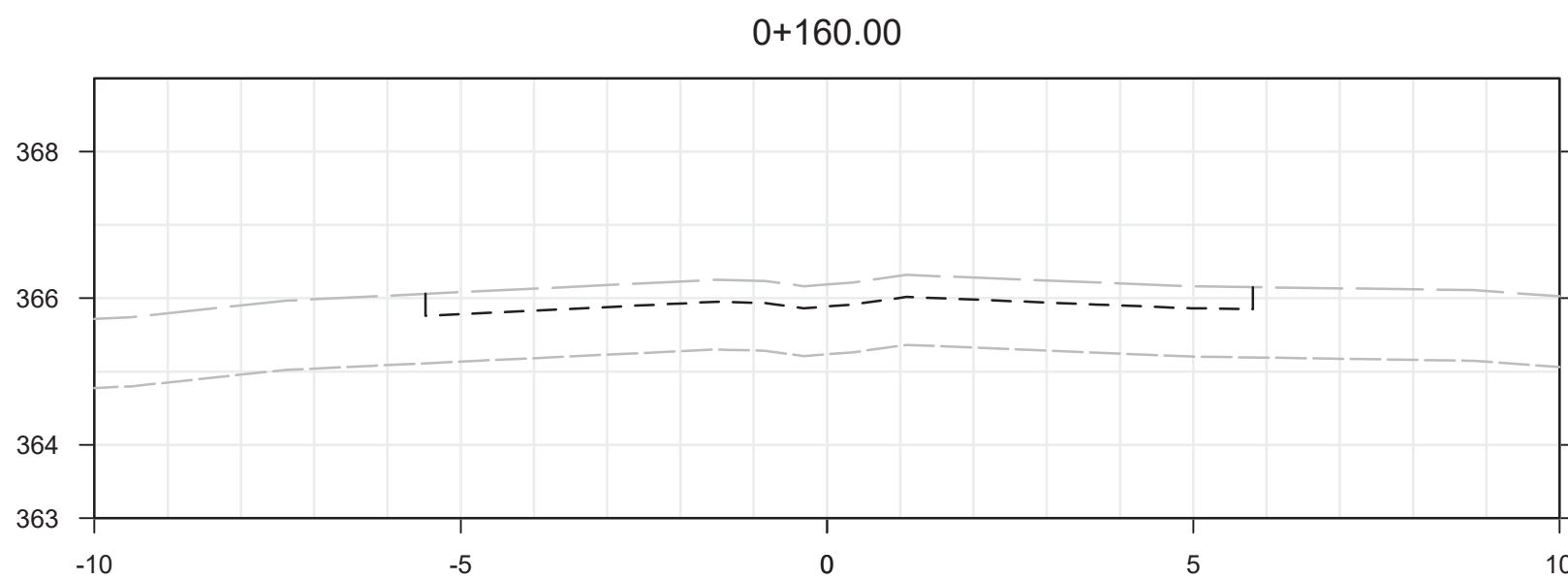
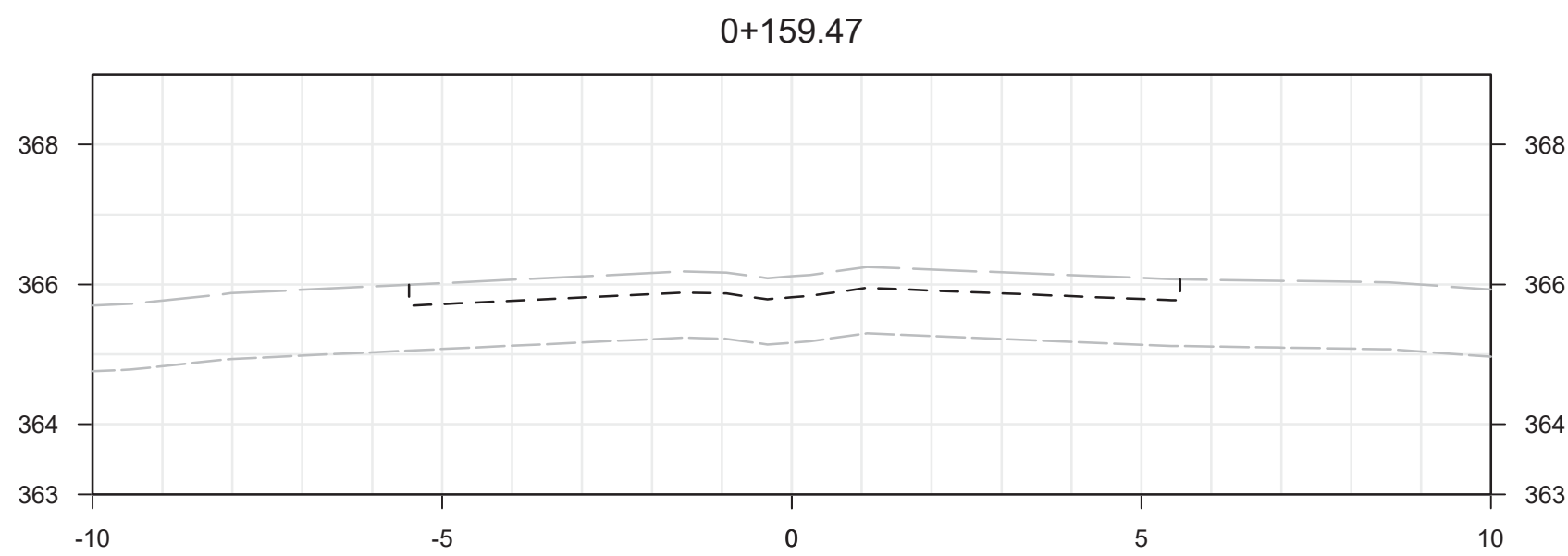
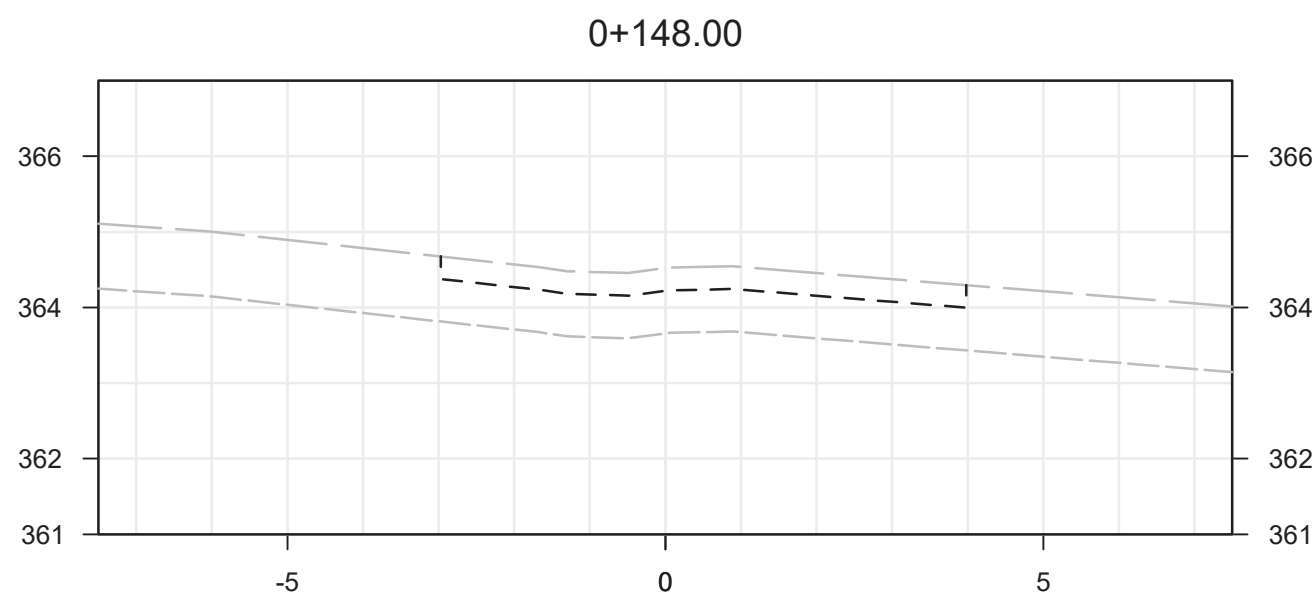
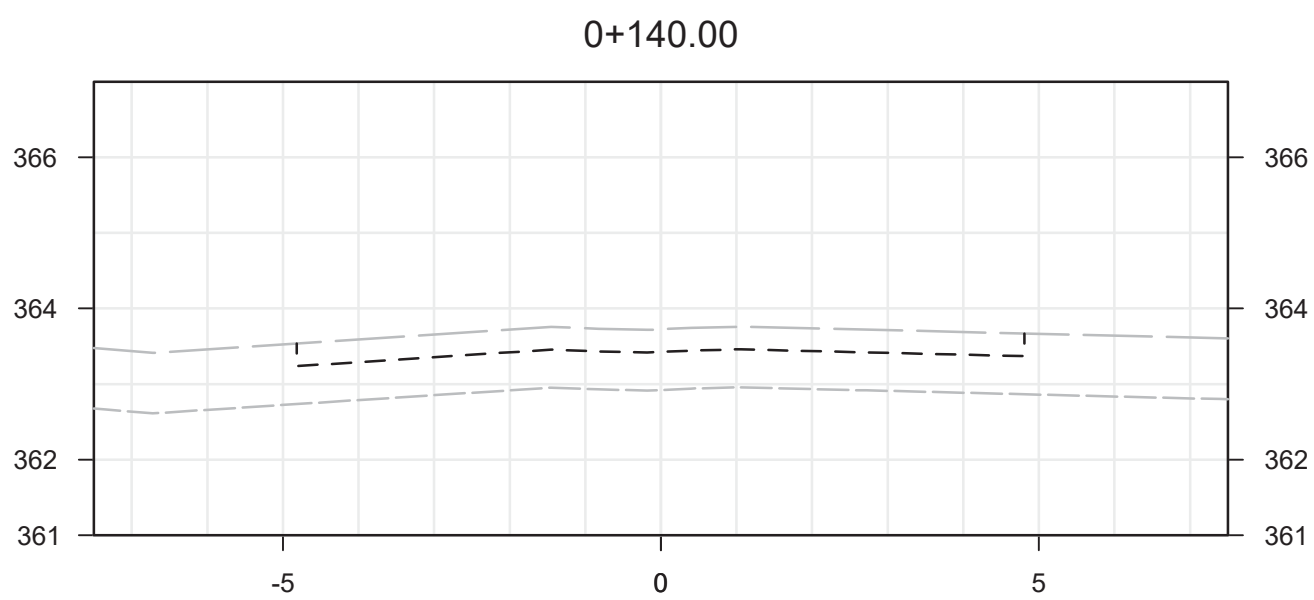
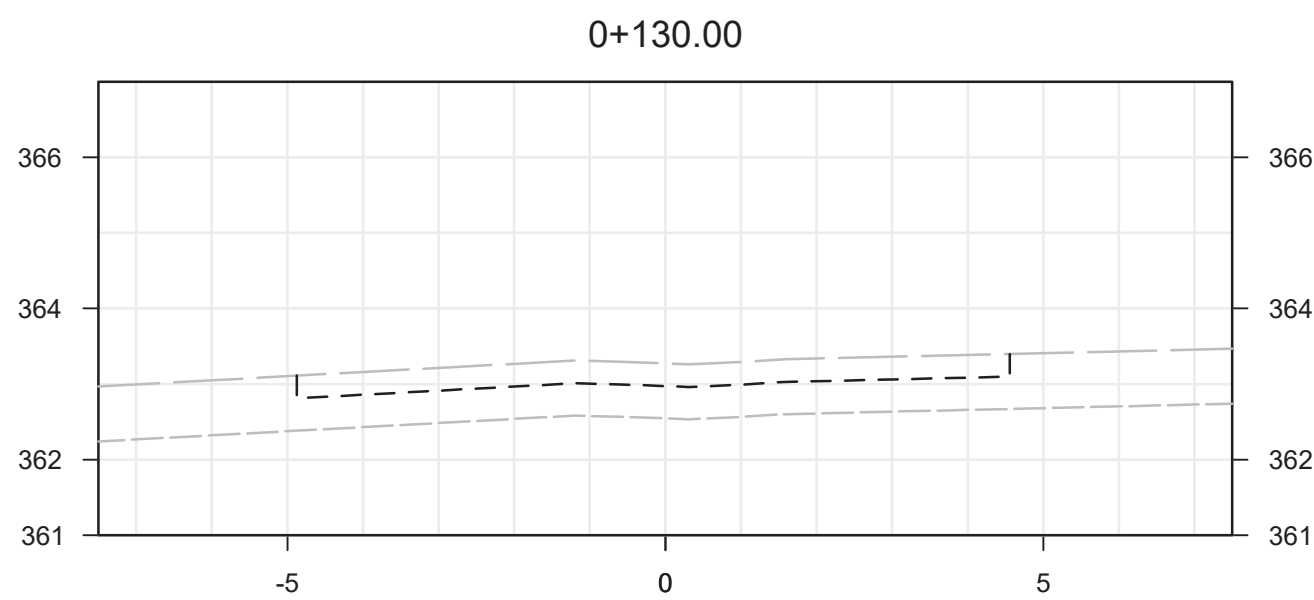
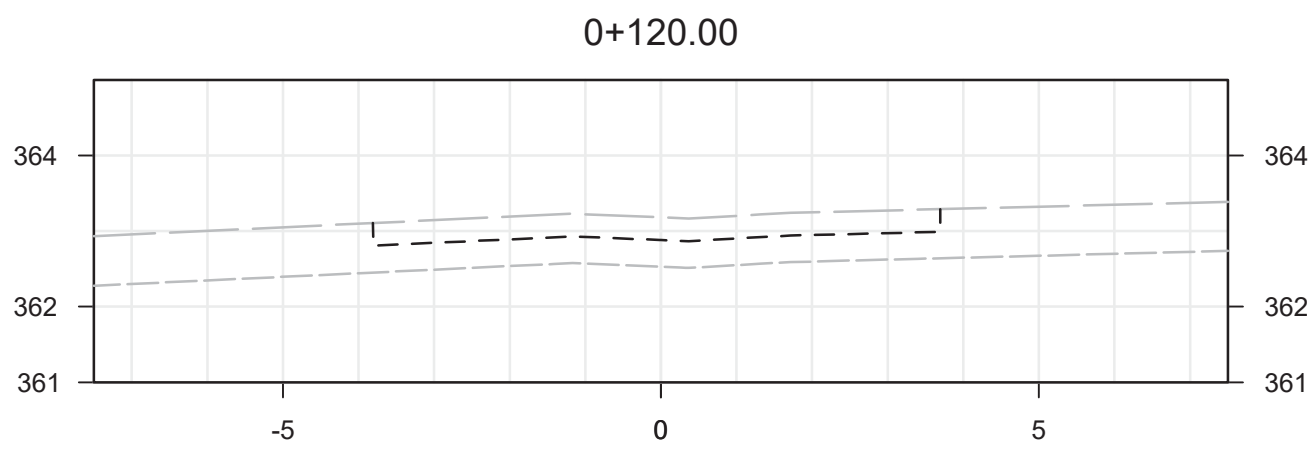
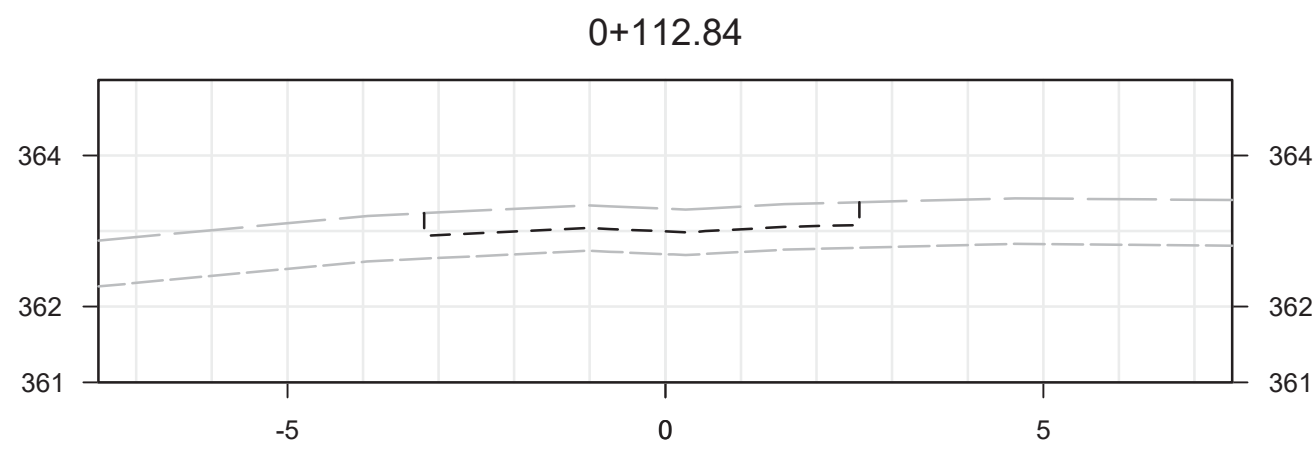
tender
soumission **PIERRE GRAMBART** project manager
administrateur
de projets

project date
date du projet **2019/08**

project no.
no. du projet **R.076951.170**

drawing no.
dessine no. **500**





4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
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revision	description	date

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C	drawing no. – where detailed dessin no. – où détaillé

project title
titre du projet

MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin

CROSS SECTIONS

drawn by
dessiné par

A.C.

designed by
conçue par

A.C.

approved by
approuvé par

B.P.

tender
soumission

PIERRE GRAMBART

project manager
administrateur de projets

project date
date du projet

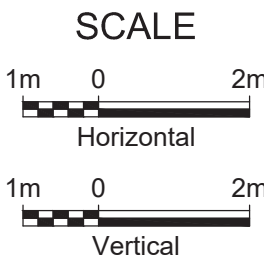
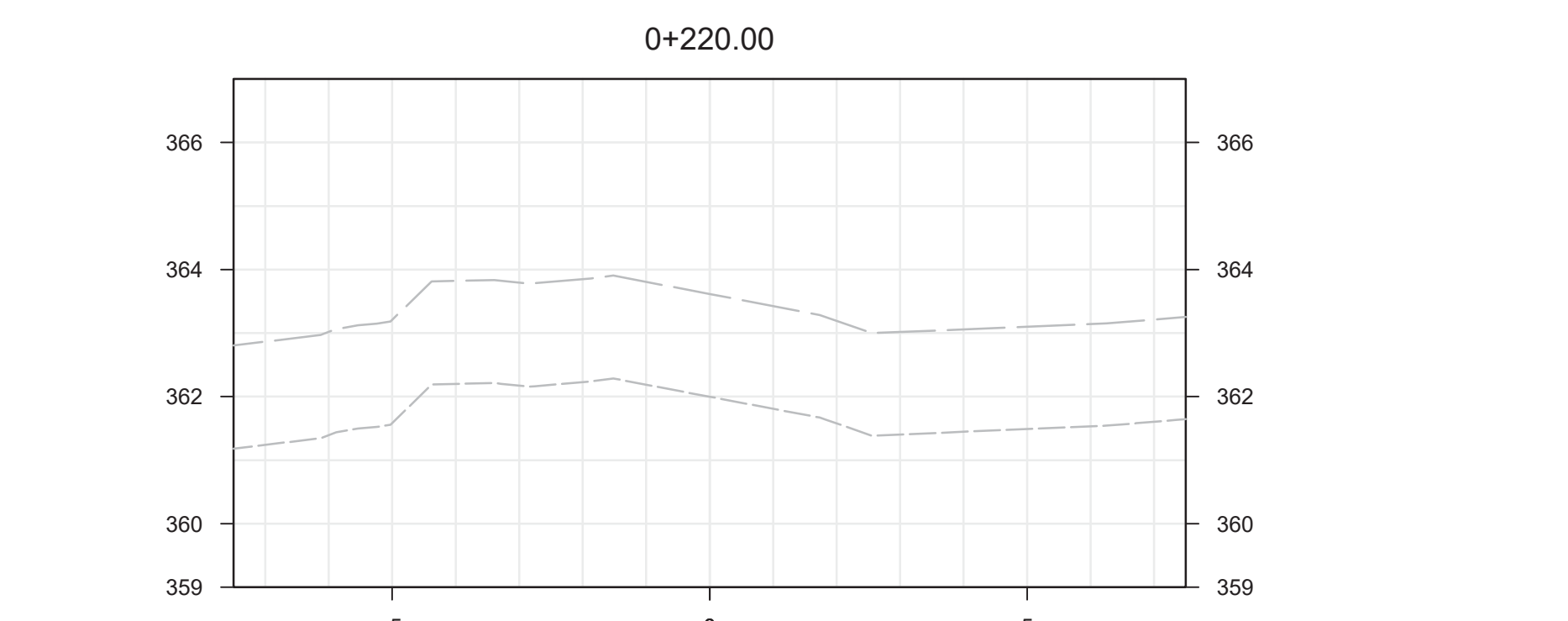
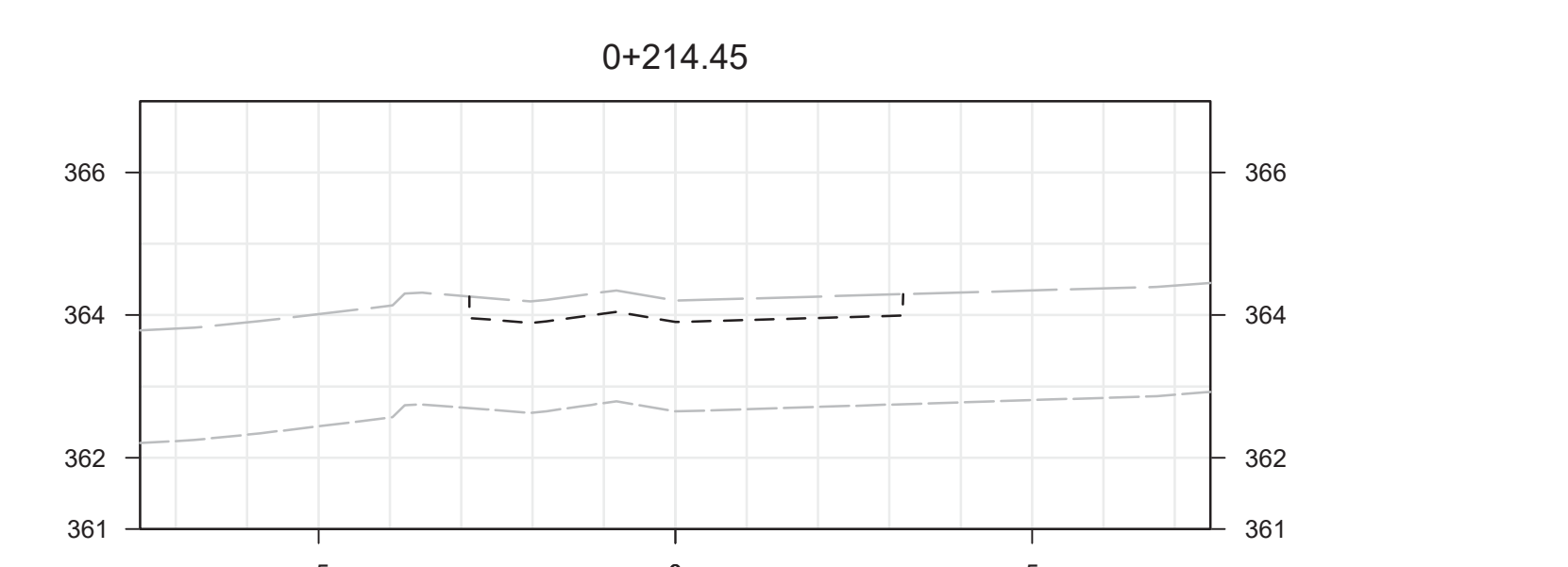
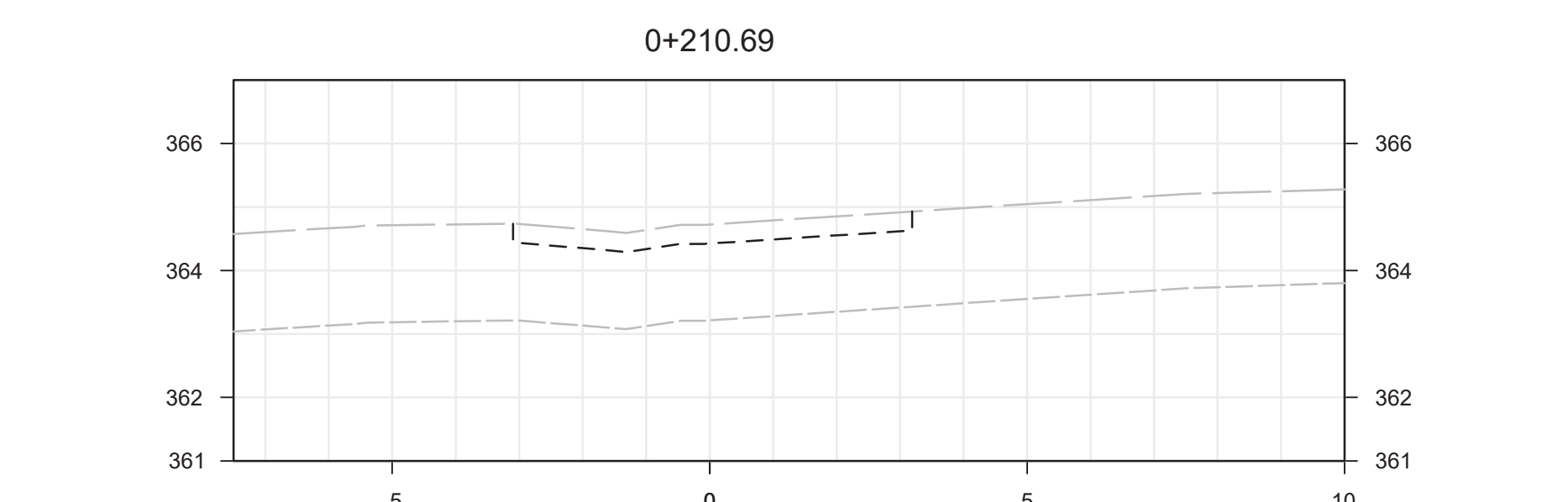
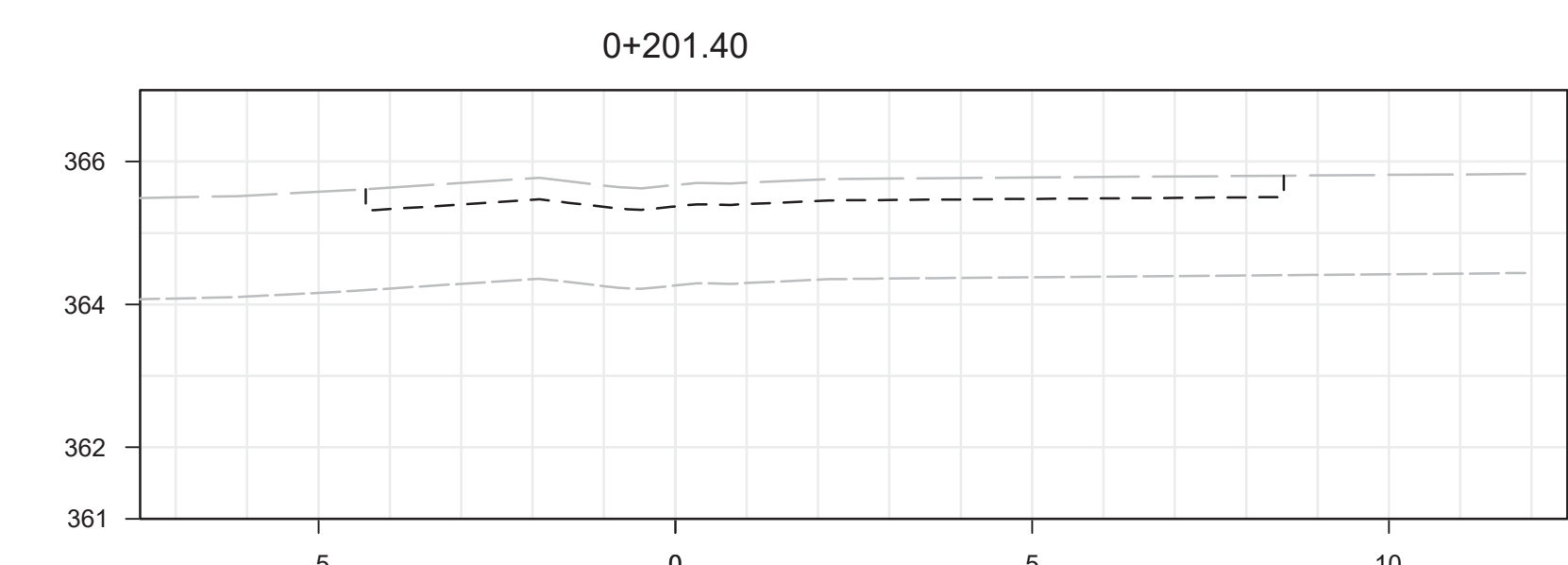
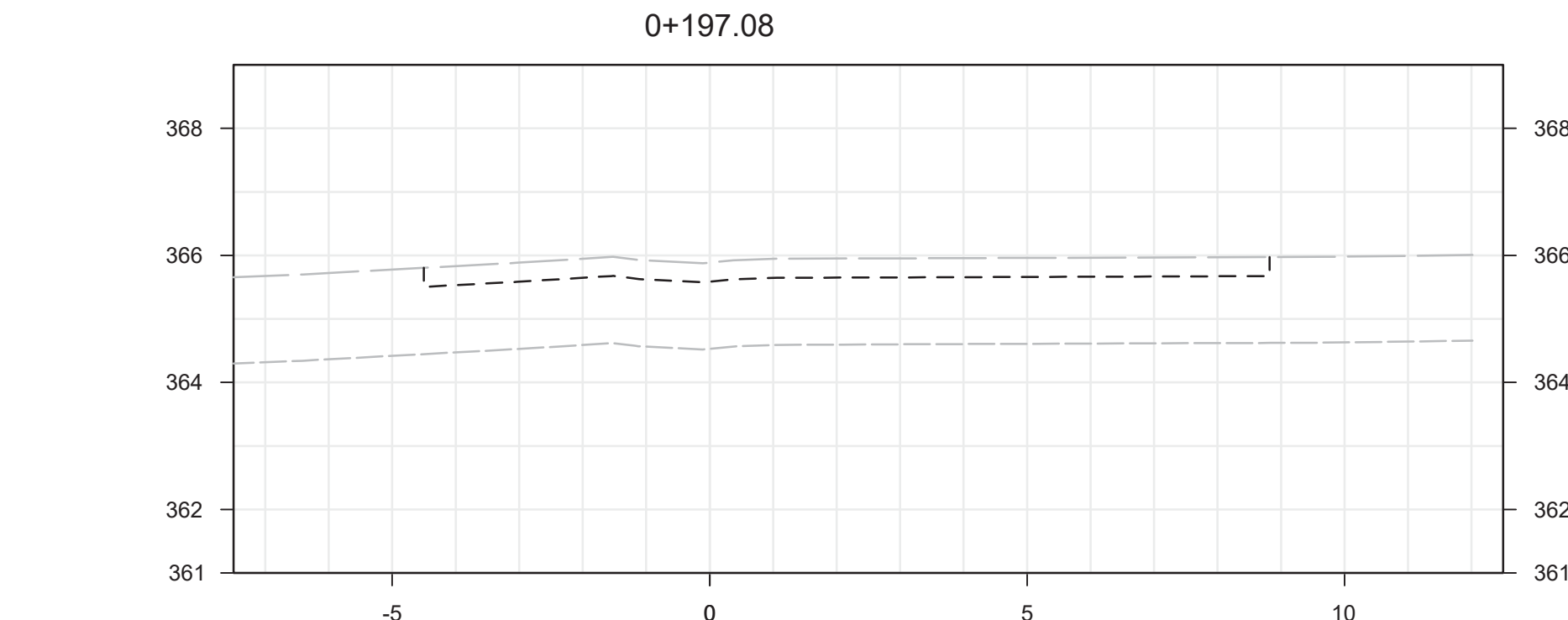
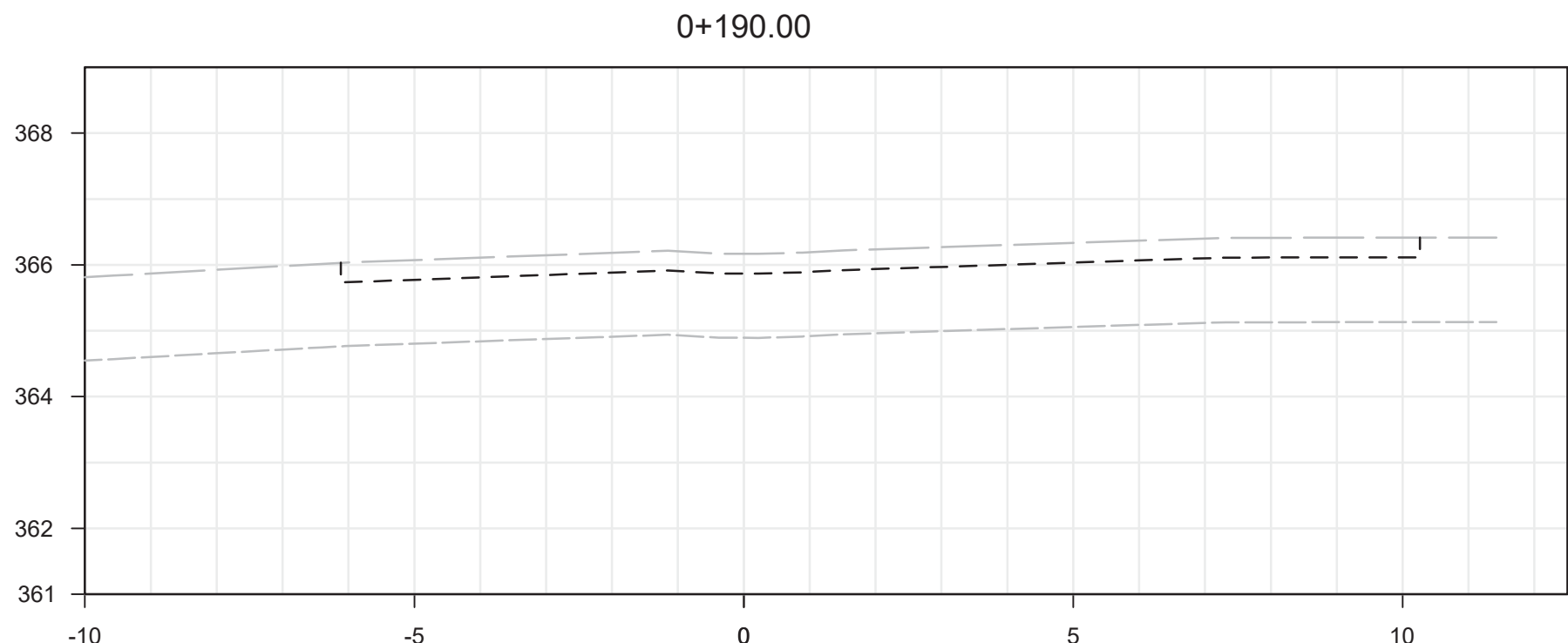
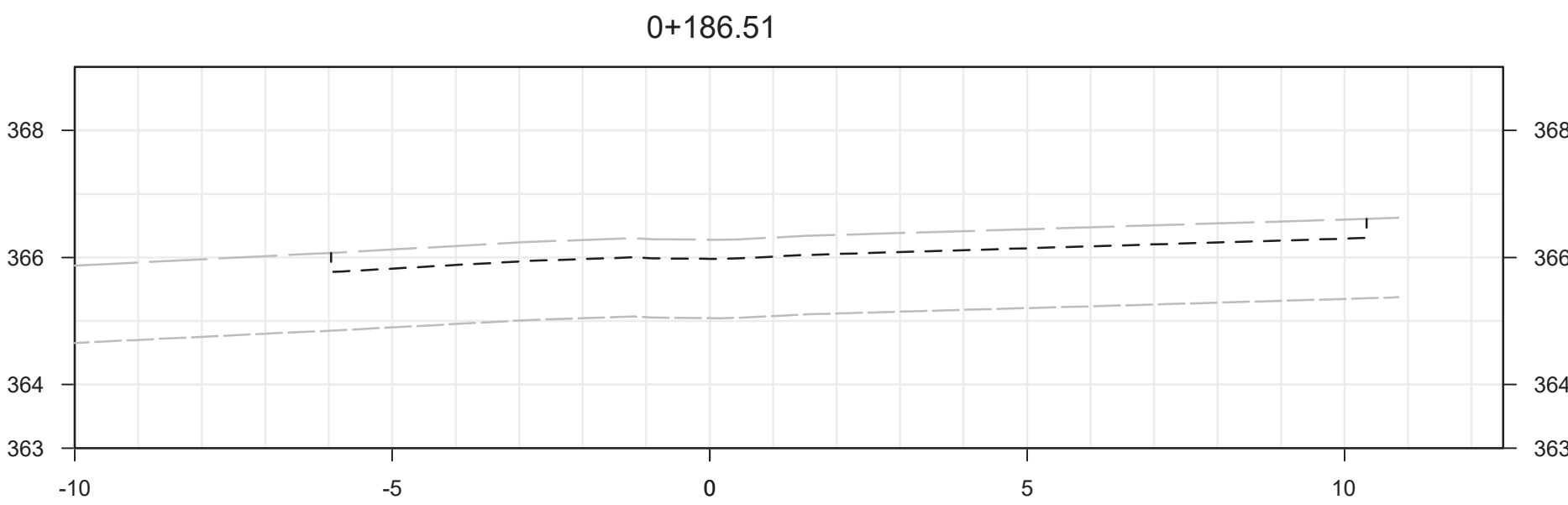
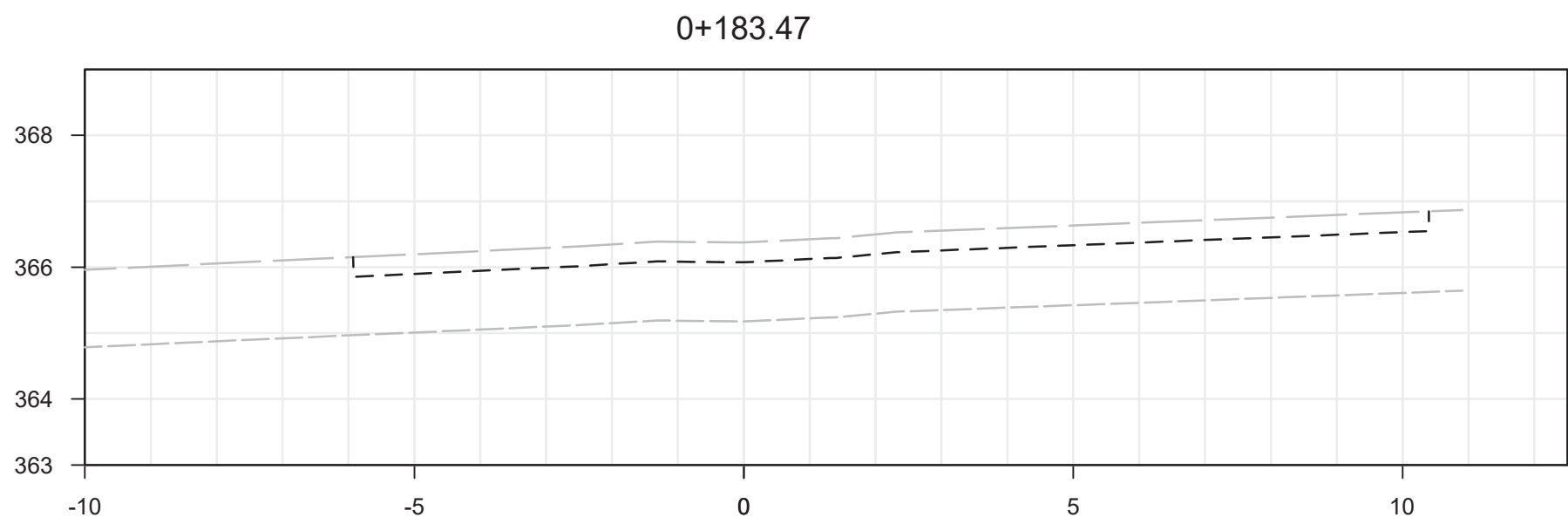
2019/08

project no.
no. du projet

R.076951.170

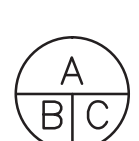


drawing no.
dessiné no.

501



4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
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	C drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
CROSS SECTIONS

drawn by
dessine par
A.C.

designed by
conc par
A.C.

approved by
approuve par
B.P.

tender
soumission
PIERRE GRAMBART project manager
administrateur de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessine no.
502



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Architectural and Engineering Services
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Services d'architecture et de génie
Région de l'Ontario



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project title
titre du projet

MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin

CROSS SECTIONS

drawn by
dessine par

A.C.

designed by
conc par

A.C.

approved by
approuve par

B.P.

tender
soumission

PIERRE GRAMBART

project manager
administrateur
de projets

project date
date du projet

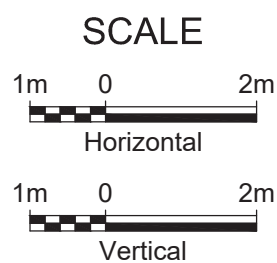
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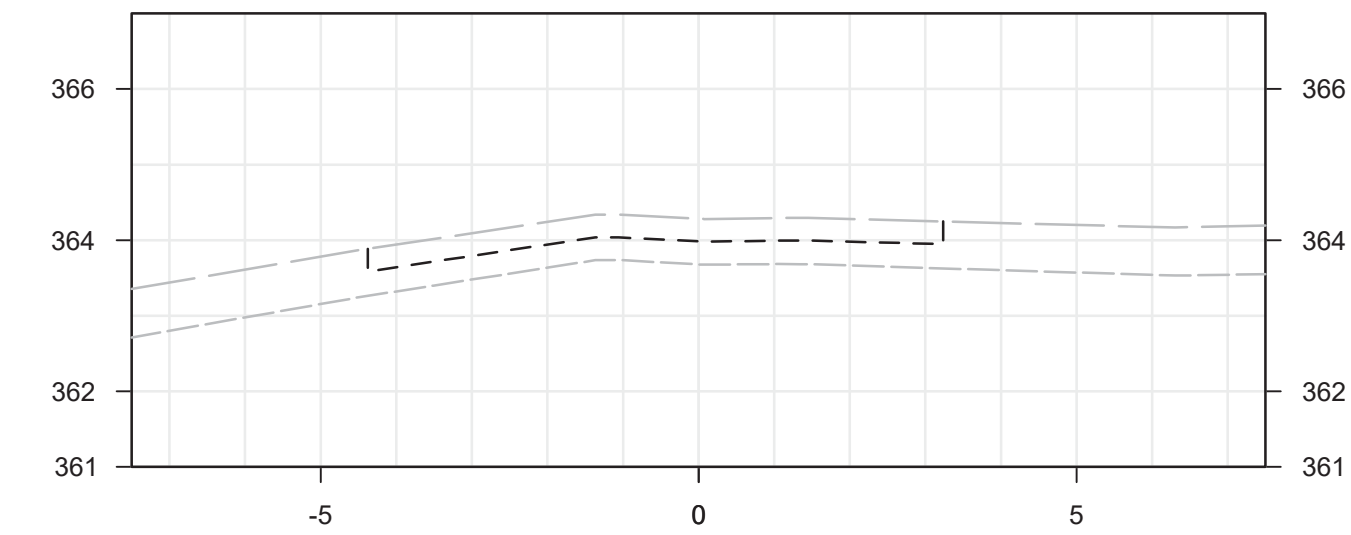
R.076951.170

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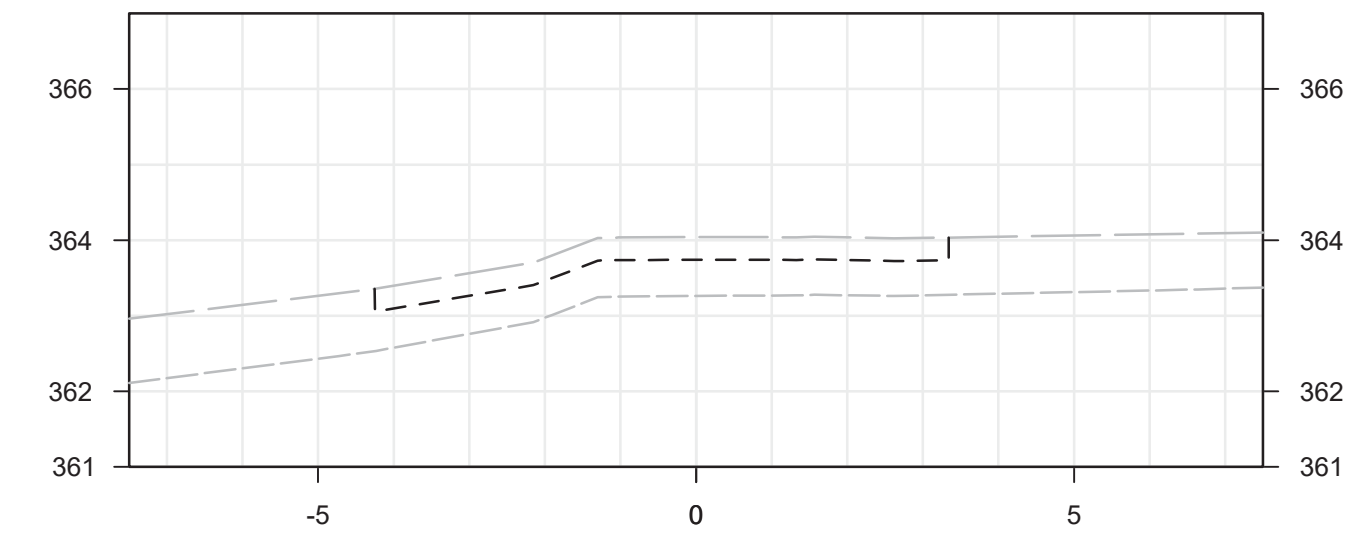
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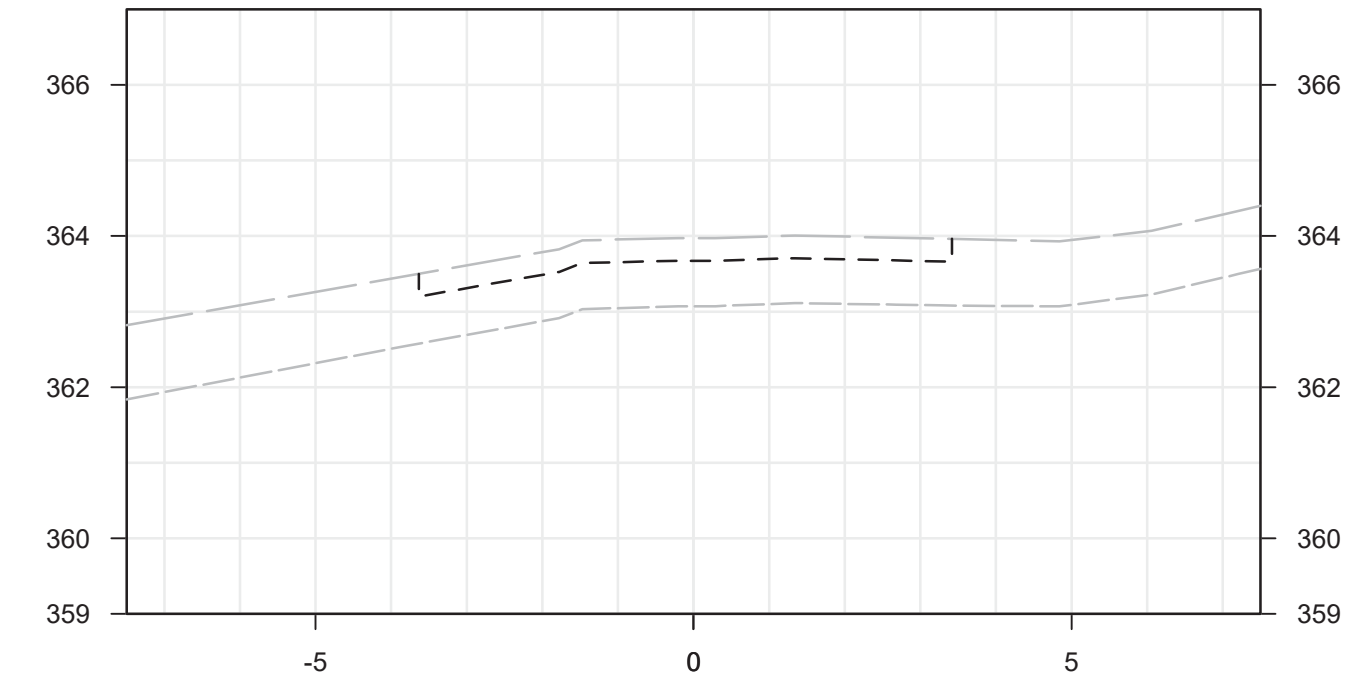
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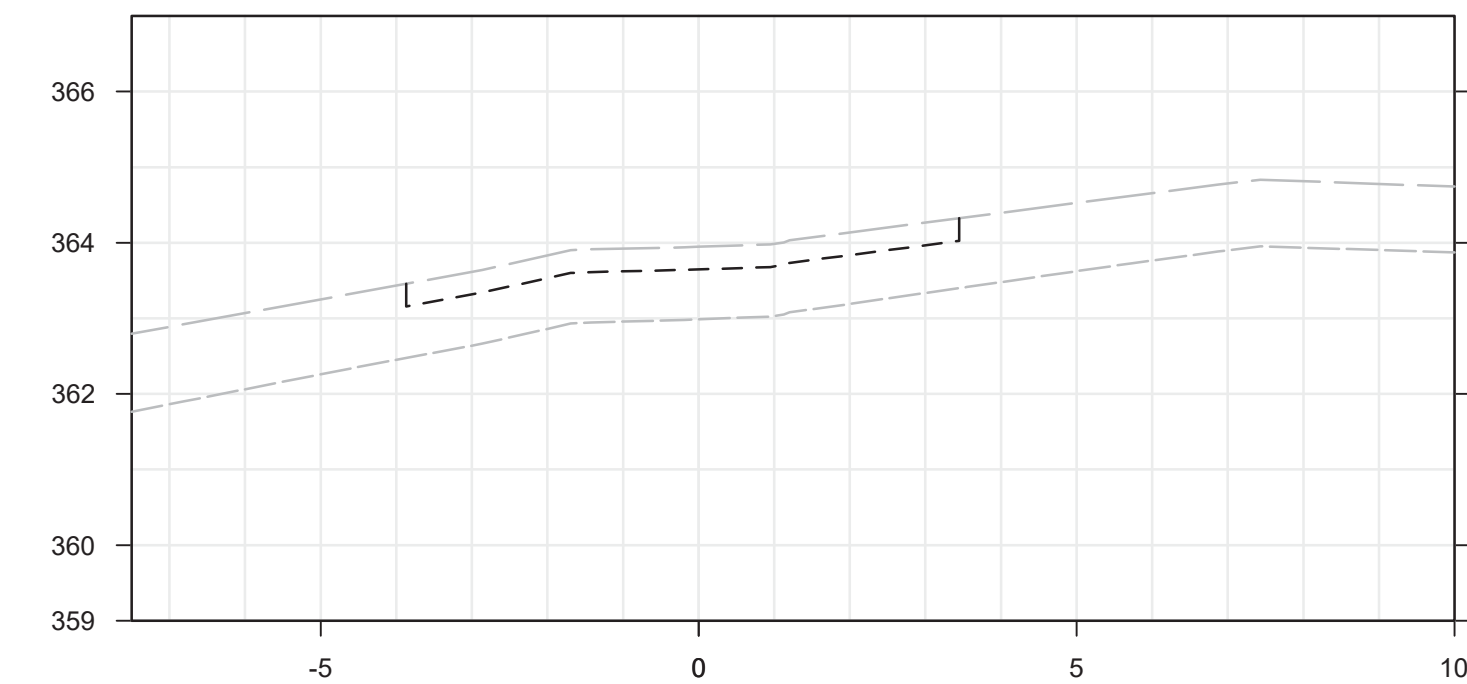
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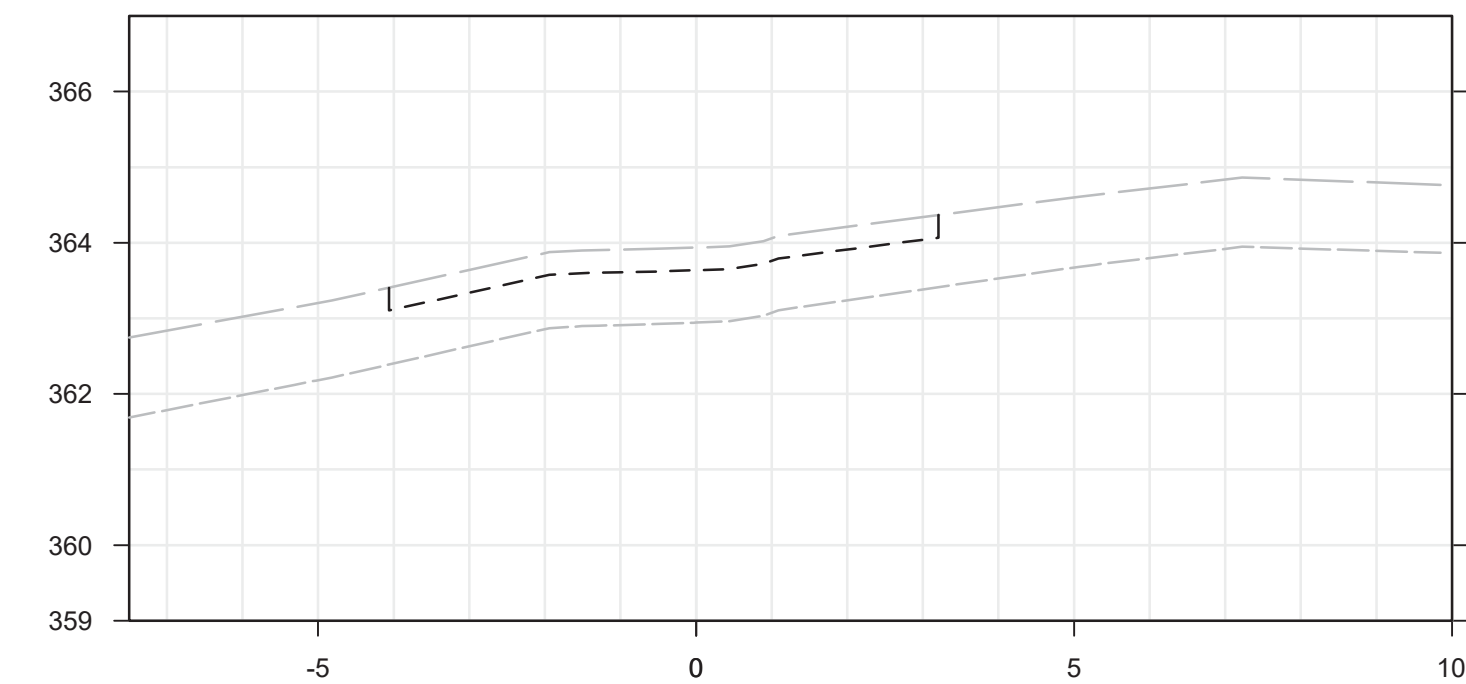
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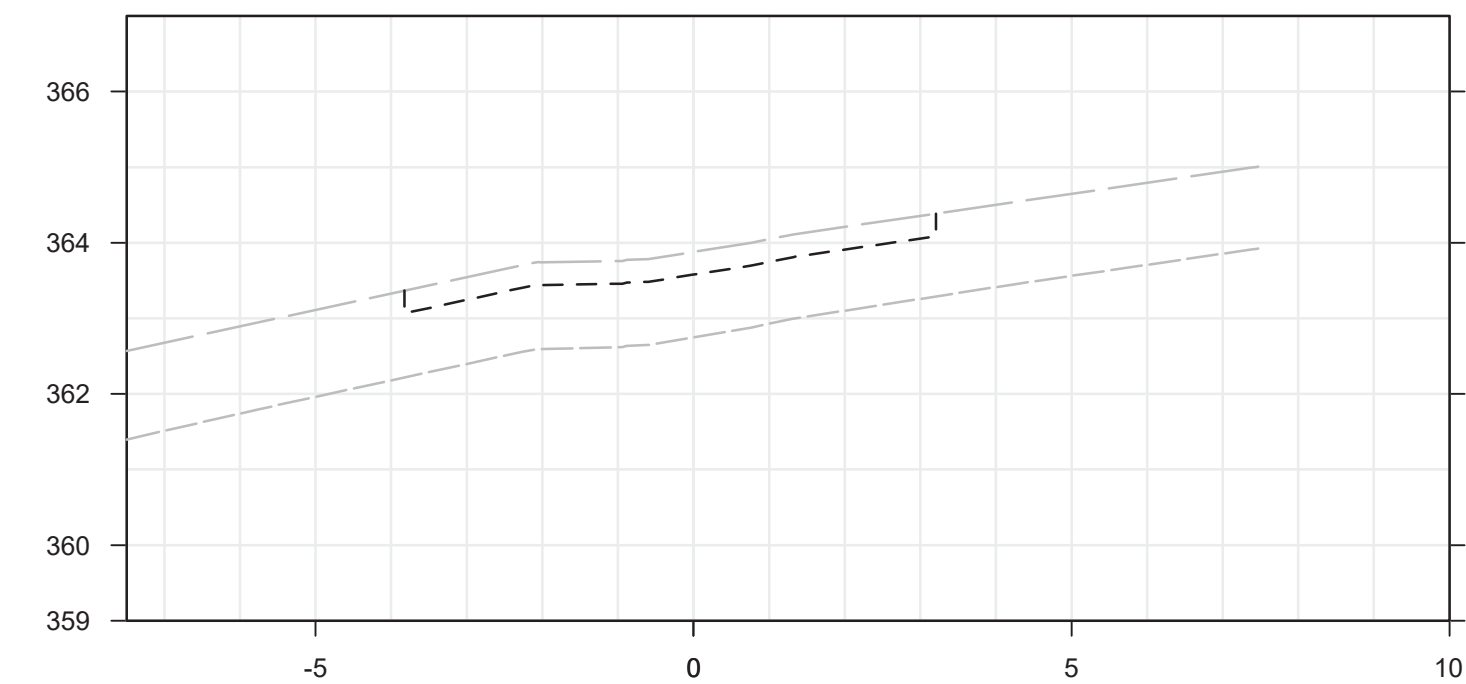
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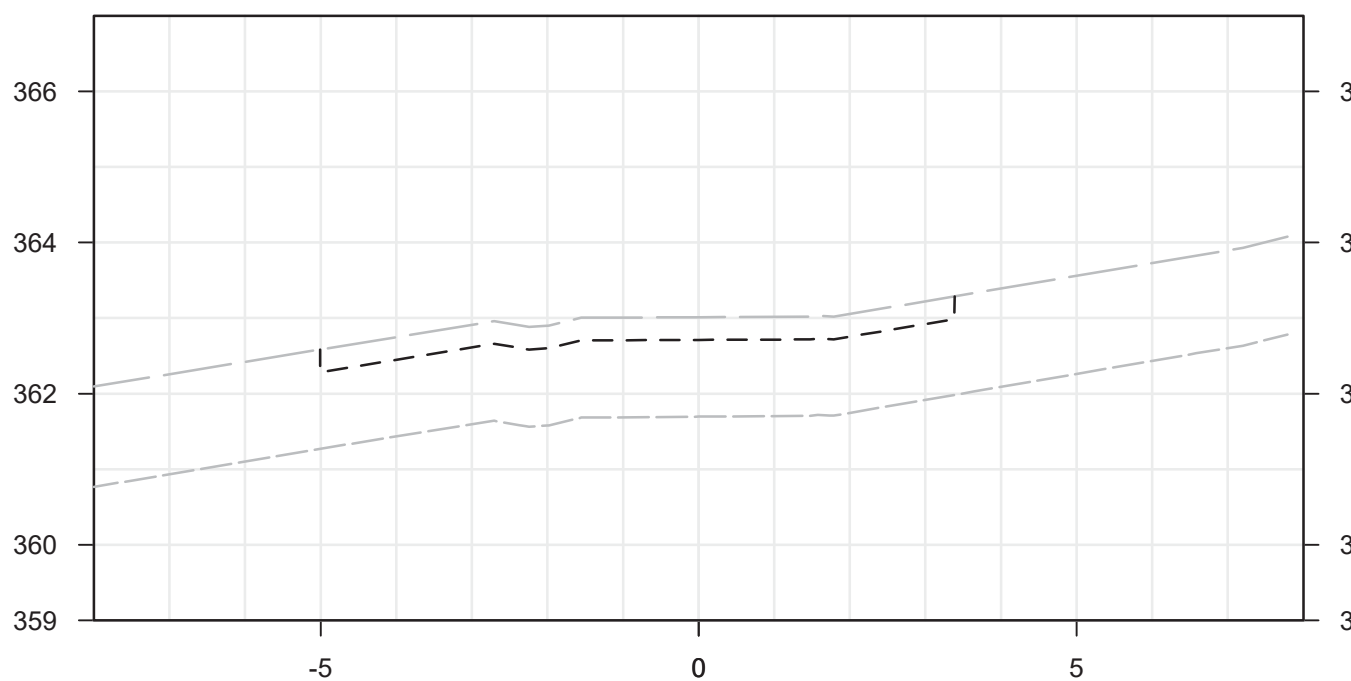
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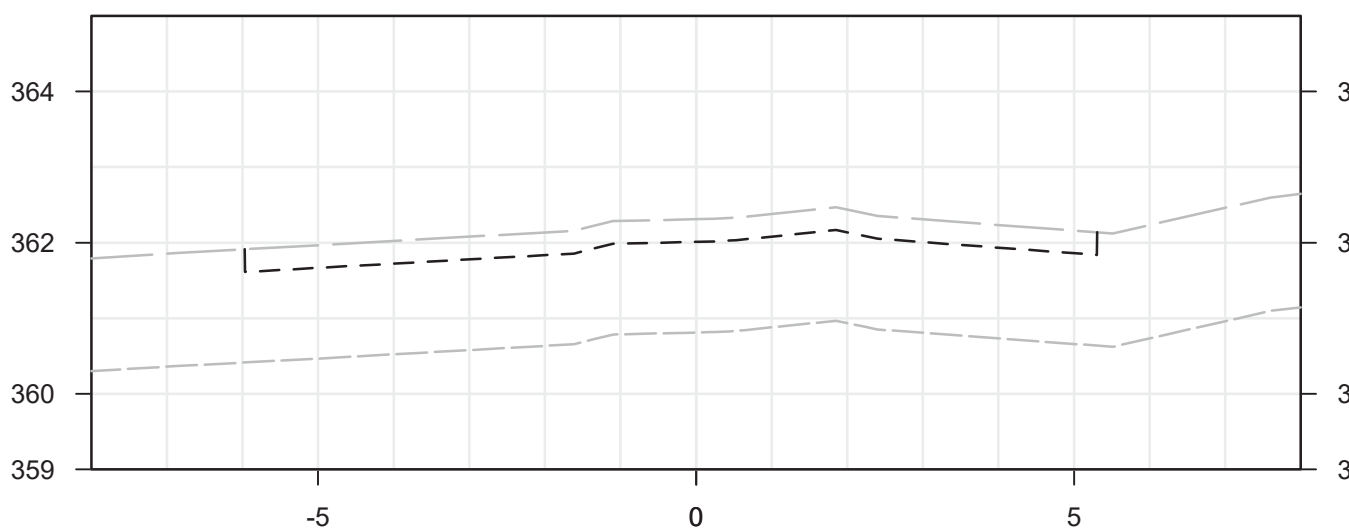
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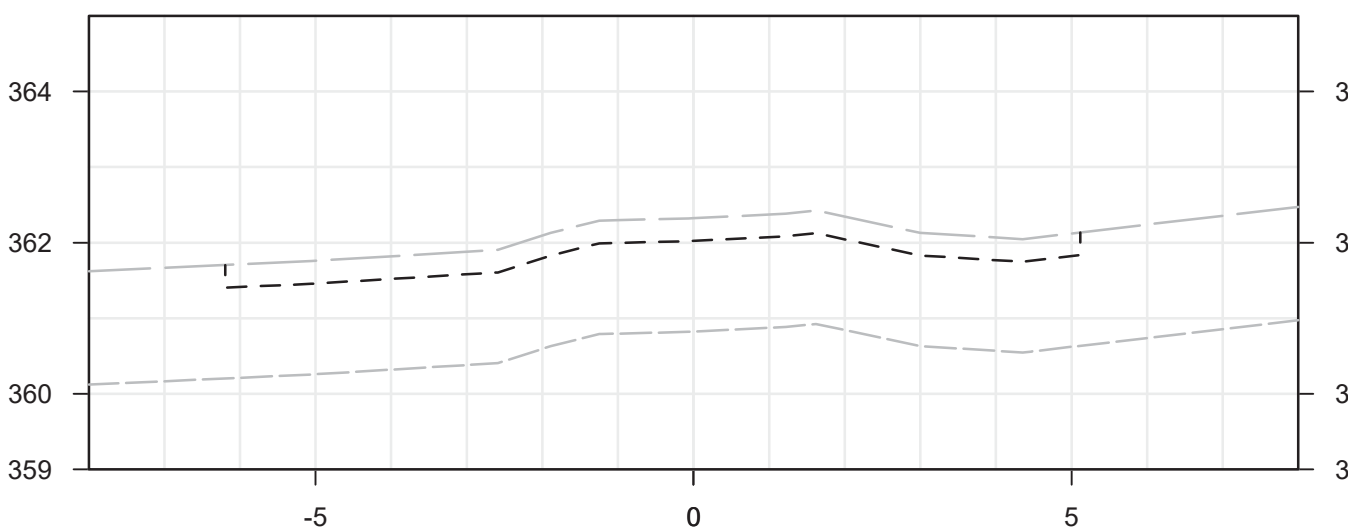
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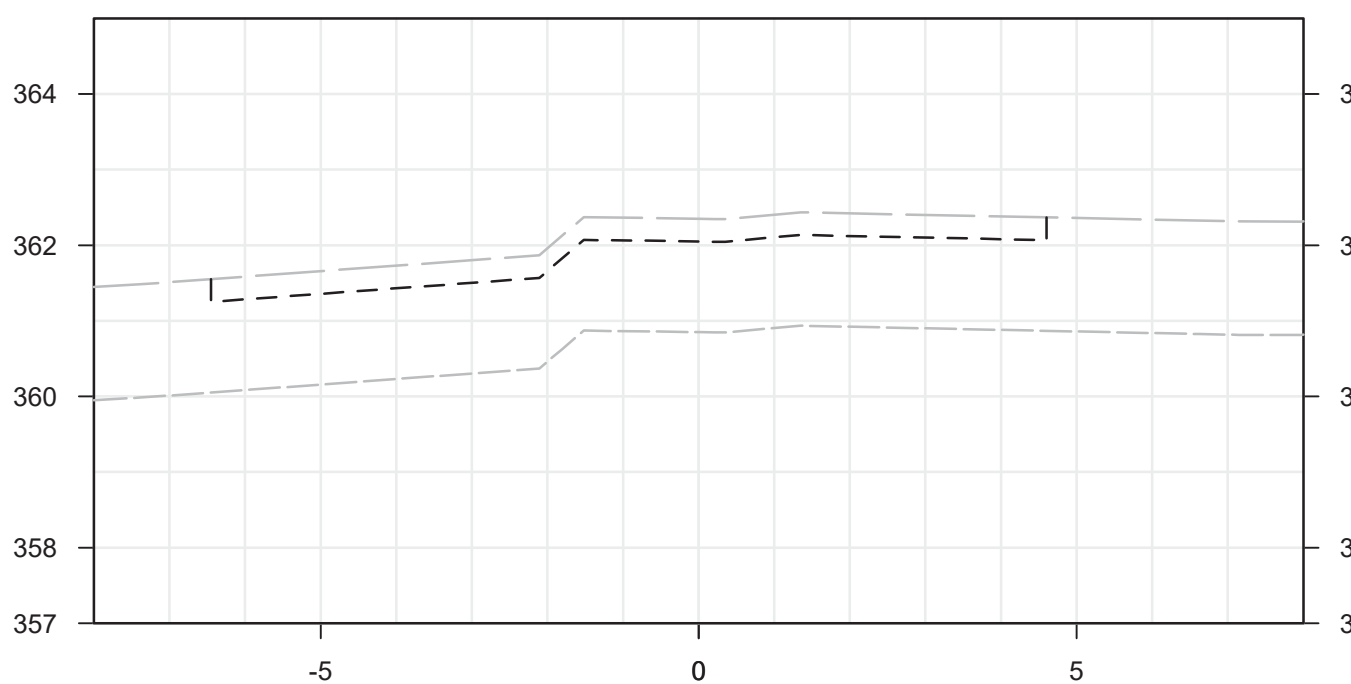
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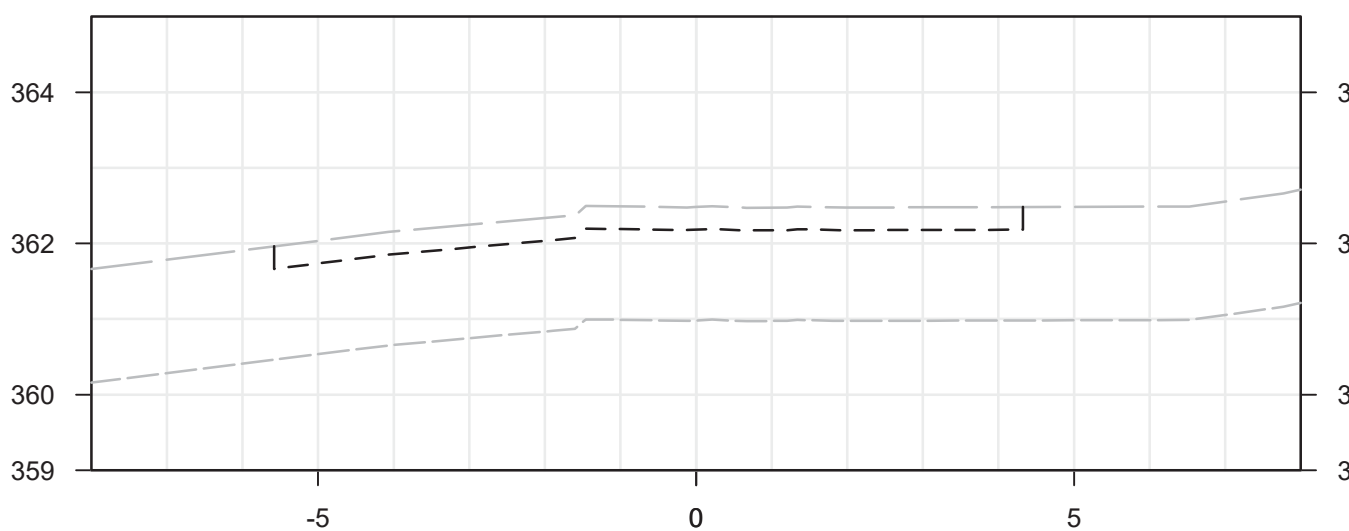
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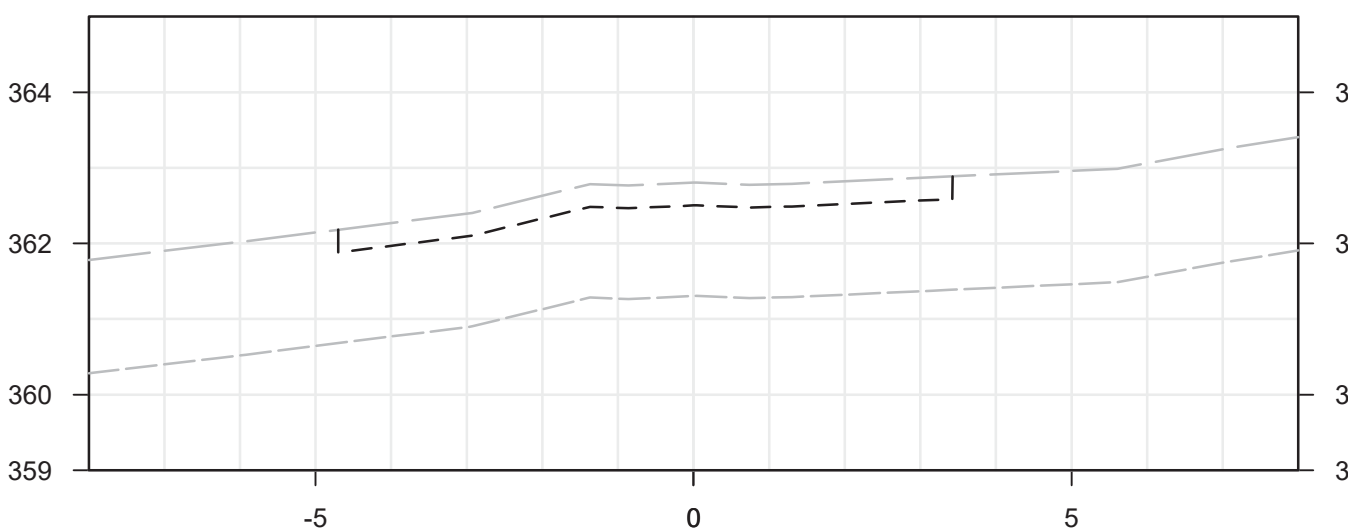
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0+400.00



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Région de l'Ontario



4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
2	FINAL SUBMISSION	2018/05/25
1	99% SUBMISSION	2018/02/12
0	50% SUBMISSION	2018/01/15

revision	description	date
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- A Detail No.
No. du détail
- B drawing no. - where detail required
dessin no. - où détail exigé
- C drawing no. - where detailed
dessin no. - où détaillé

project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
CROSS SECTIONS

drawn by
dessiné par
A.C.

designed by
conçu par
A.C.

approved by
approuvé par
B.P.

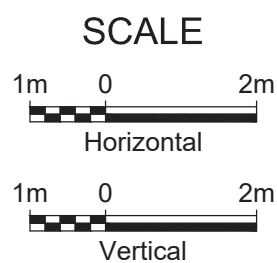
tender
soumission
PIERRE GRAMBART

project manager
administrateur
de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
504





Public Works and
Government Services Canada
Architectural and Engineering Services
Ontario Region

Travaux publics et
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Services d'architecture et de génie
Région de l'Ontario



CONSULTING
ENGINEERS
PLANNERS



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project title
titre du projet

MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON

**LITTLE BROTHER LAKE DAM
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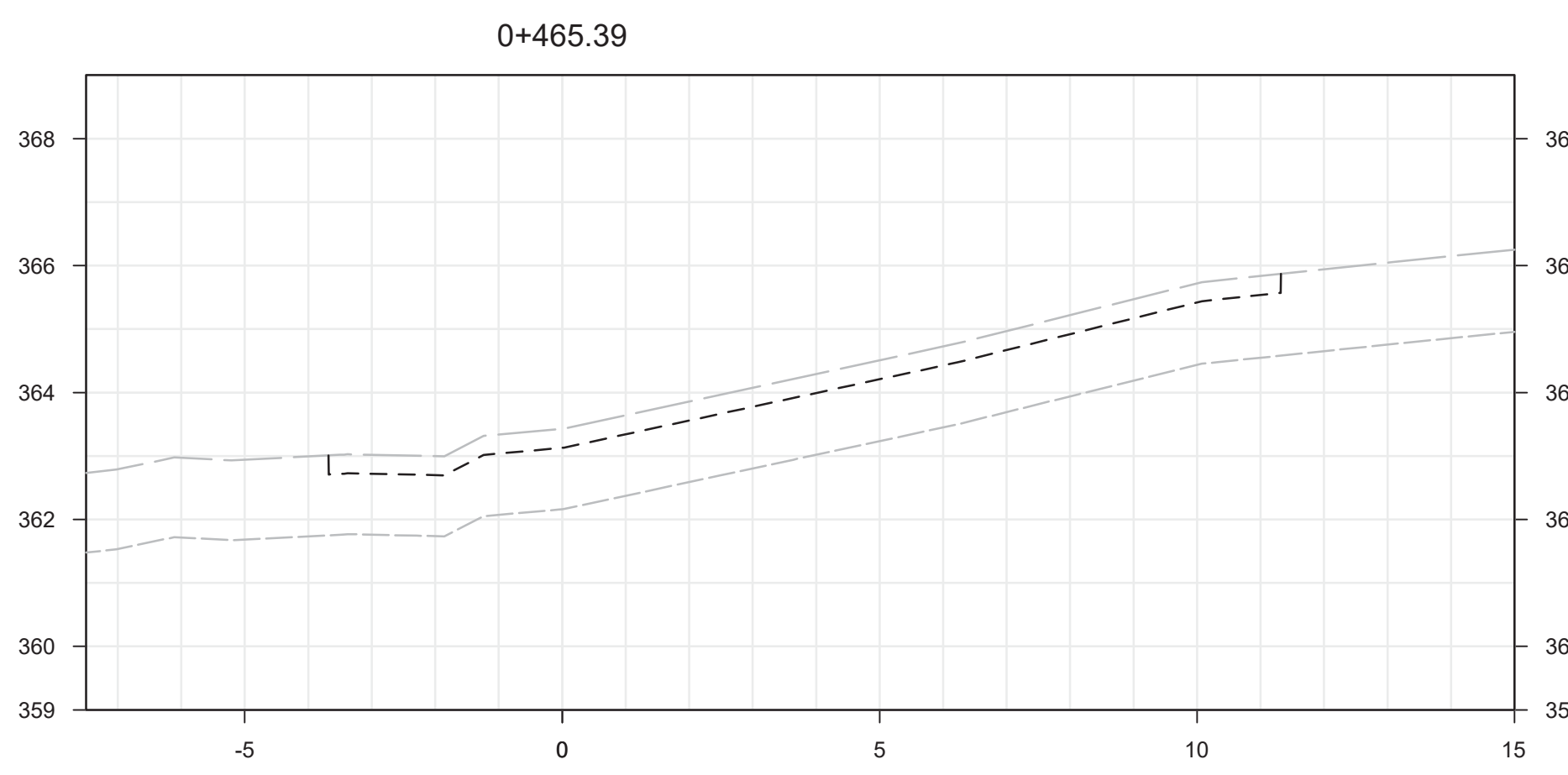
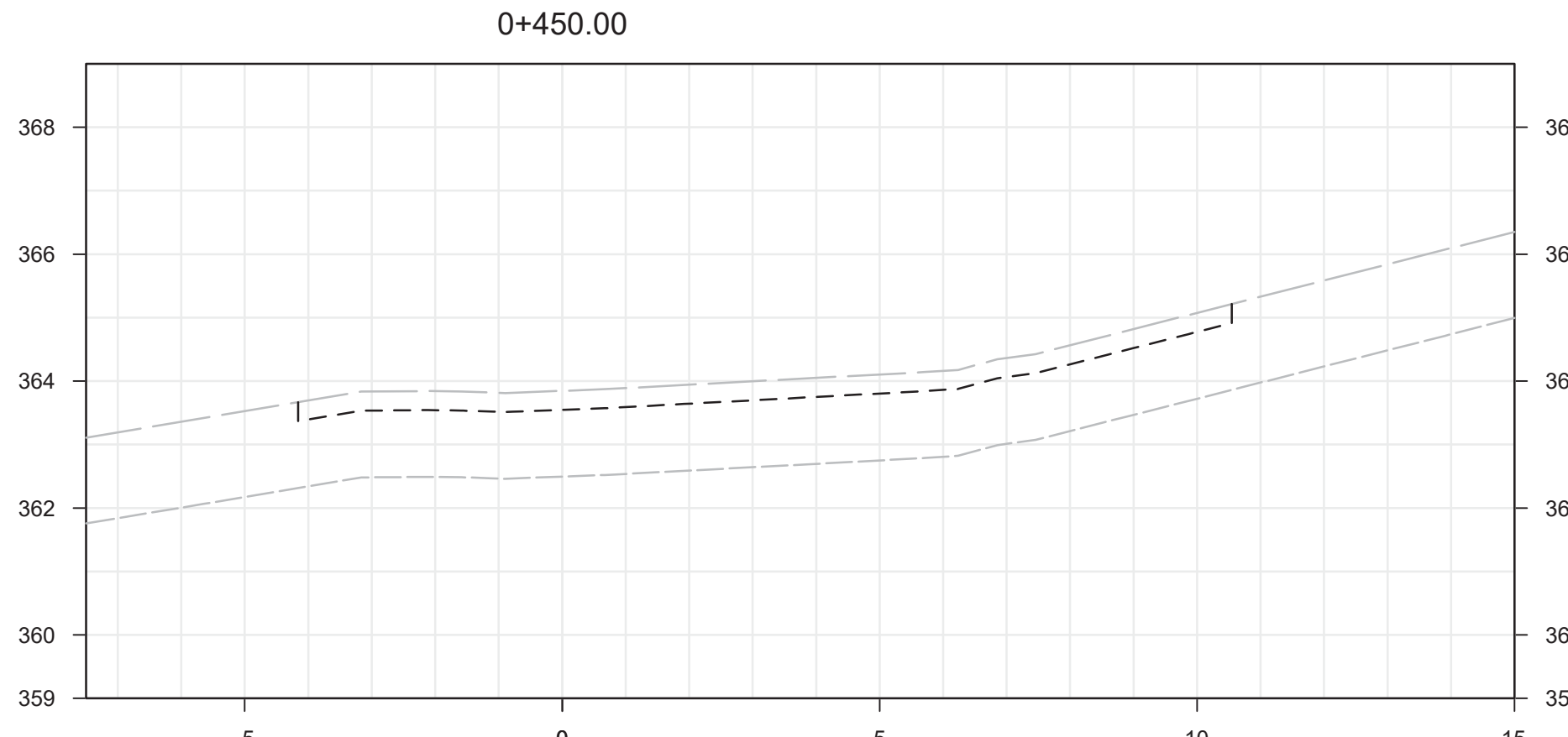
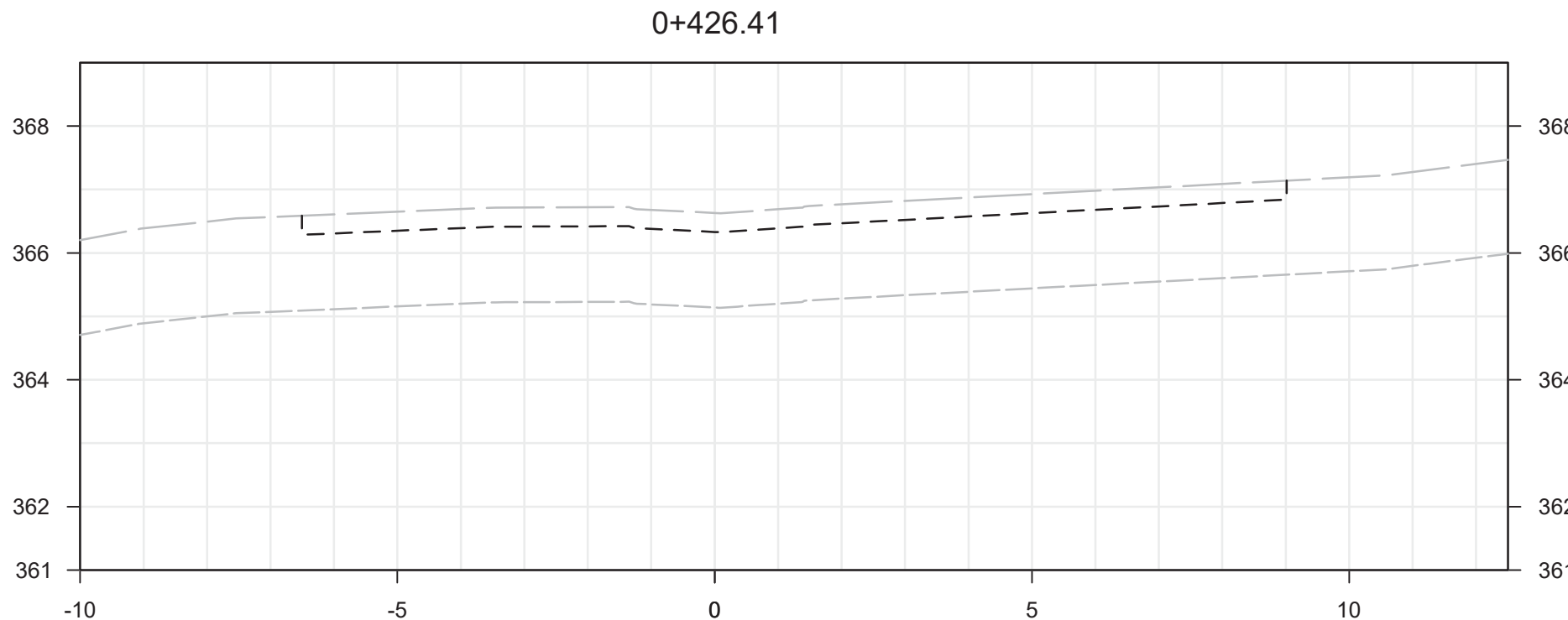
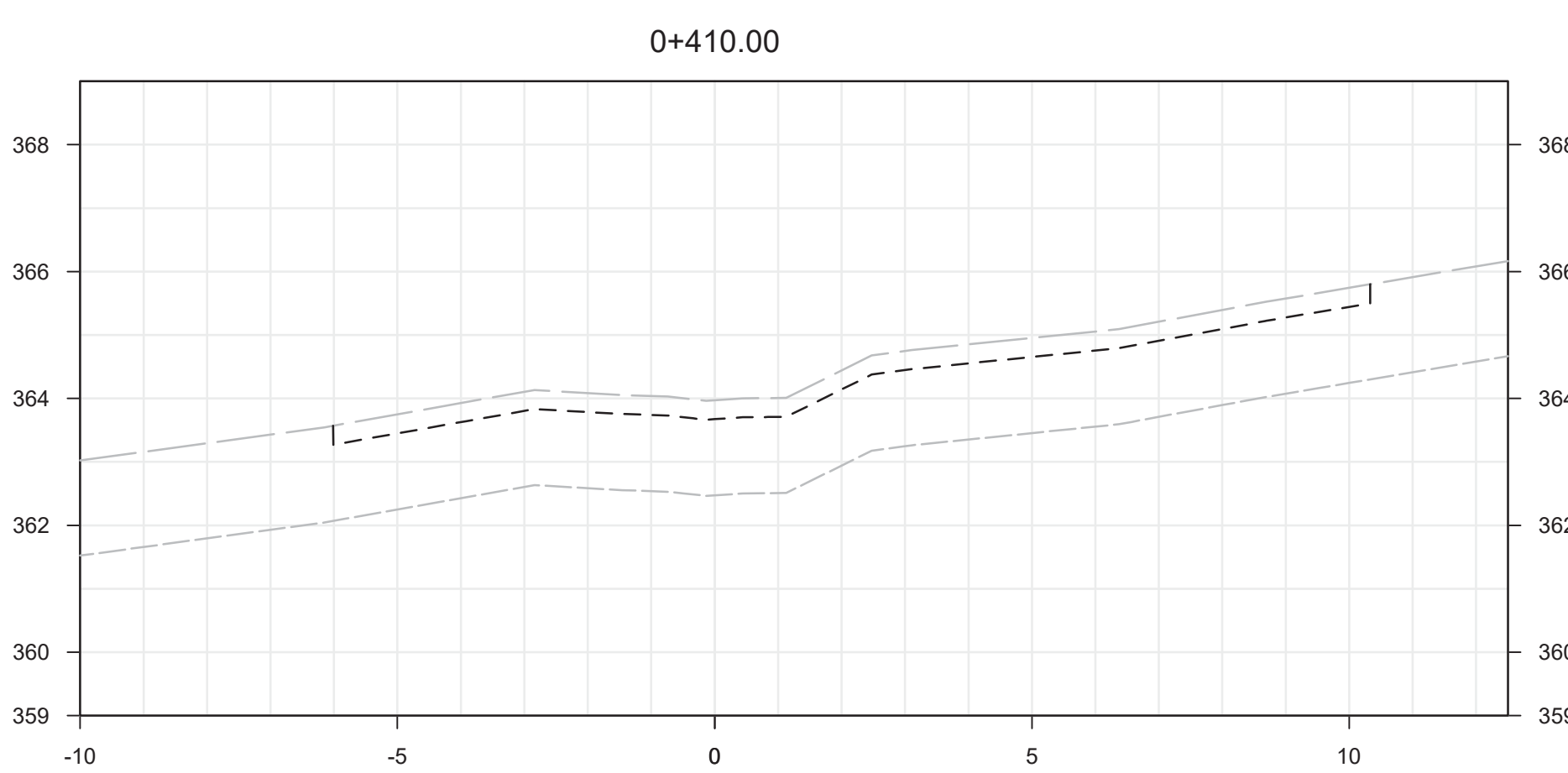
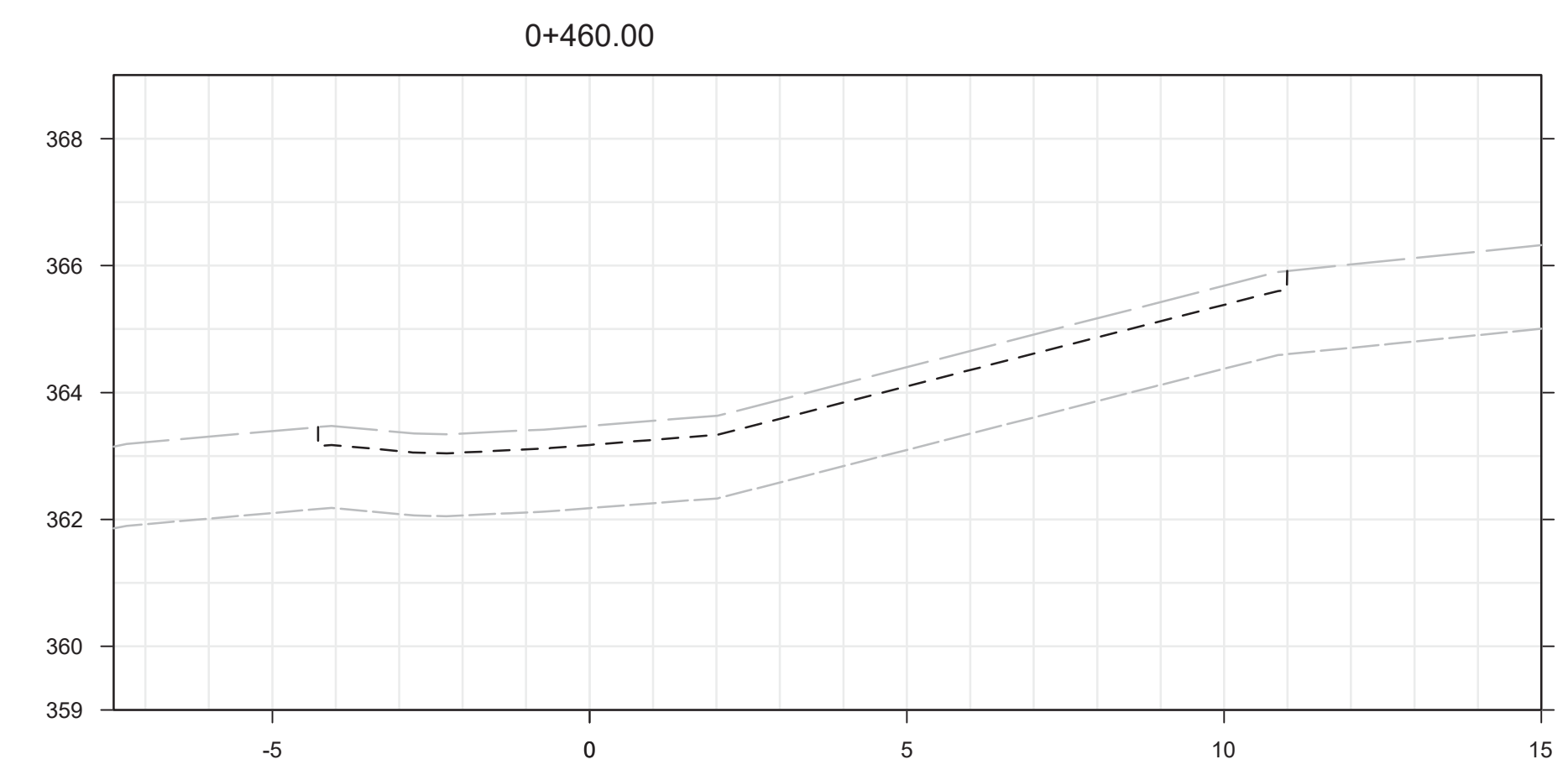
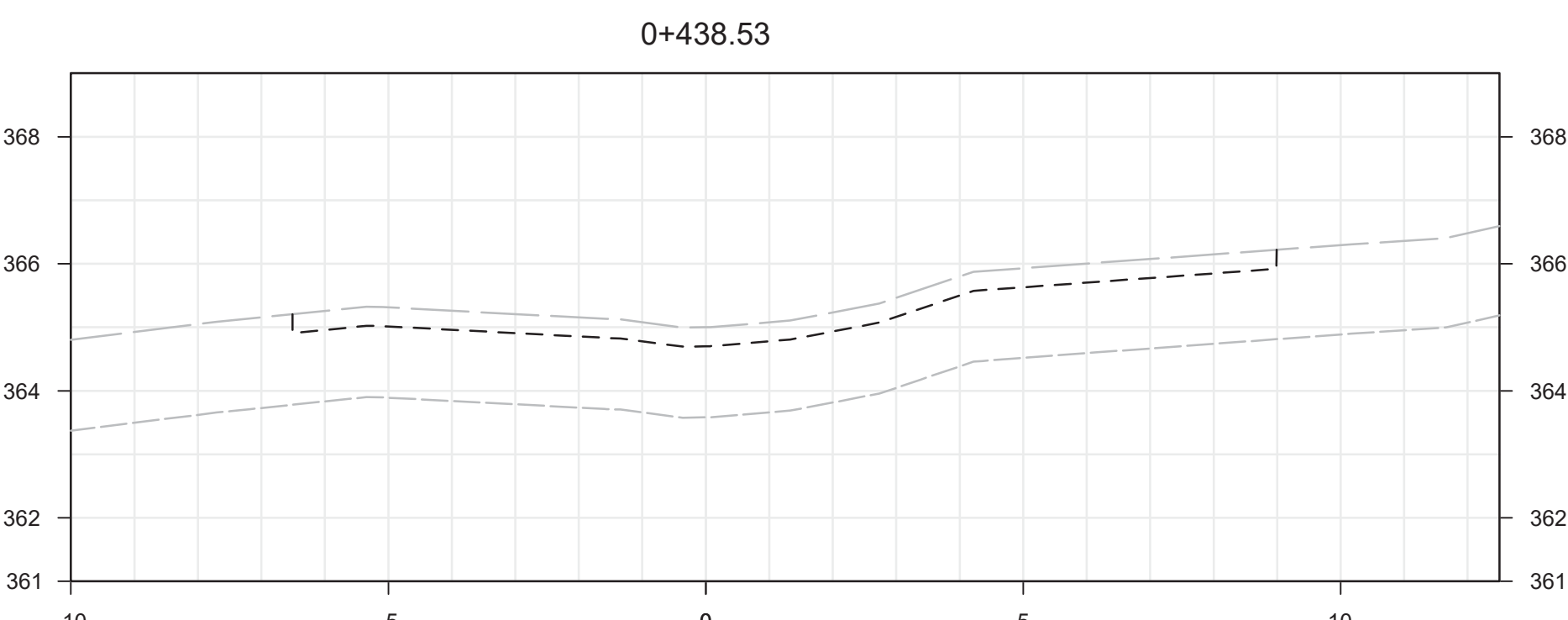
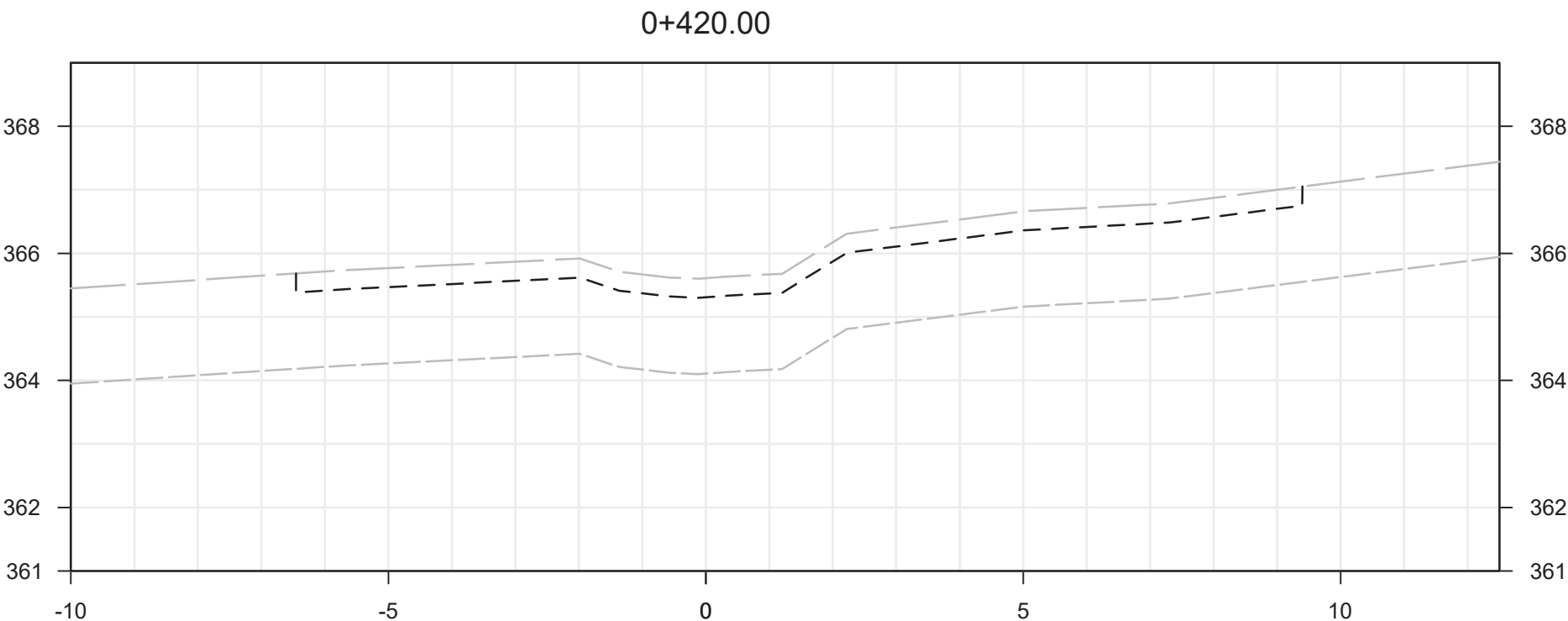
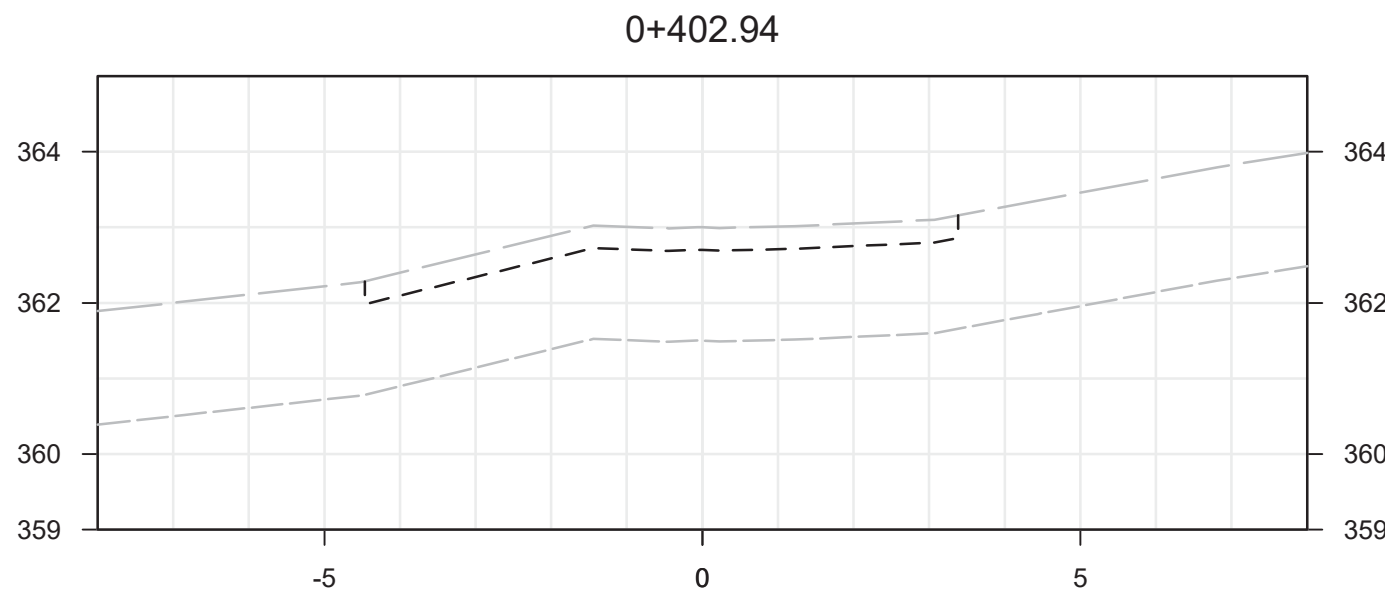
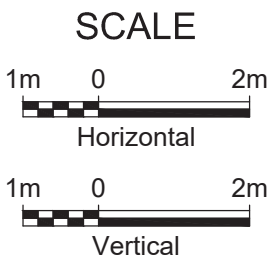
2019/08

project no.
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R.076951.170

drawing no.
dessine no.

505





Public Works and
Government Services Canada
Architectural and Engineering Services
Ontario Region

Travaux publics et
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Services d'architecture et de génie
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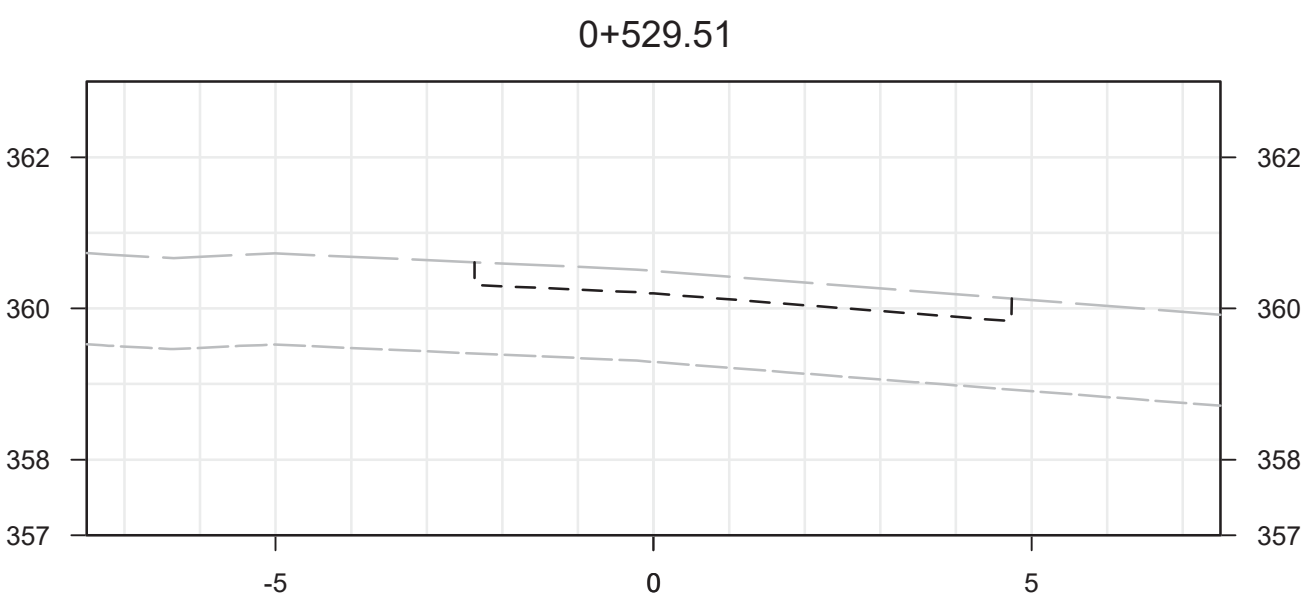
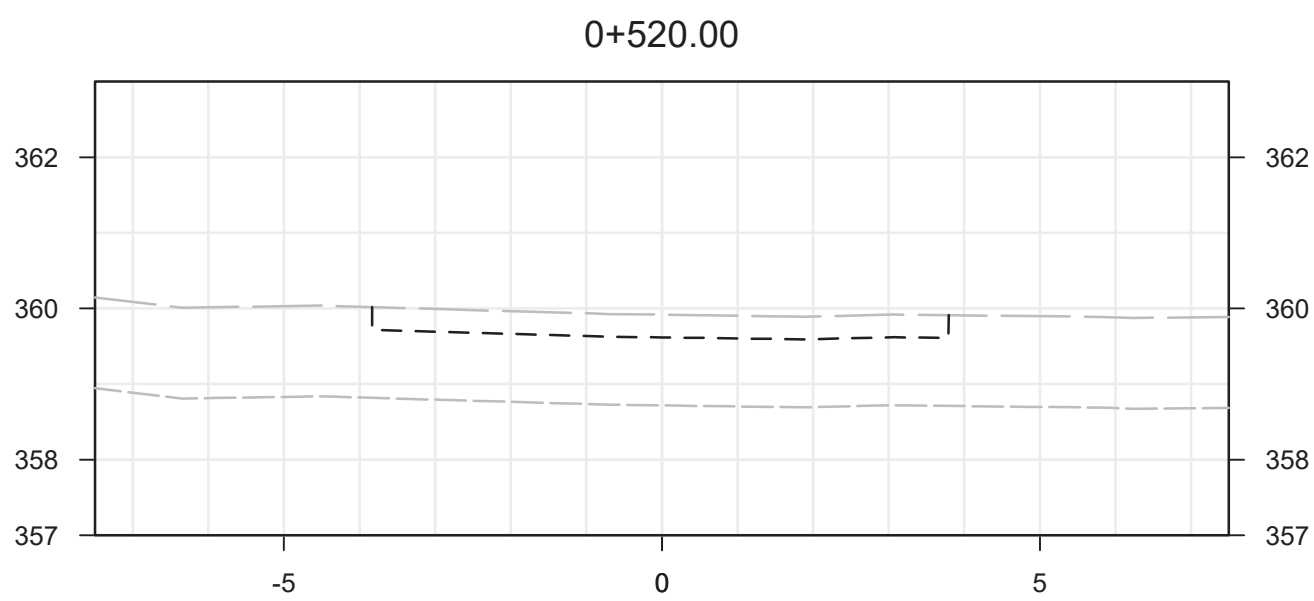
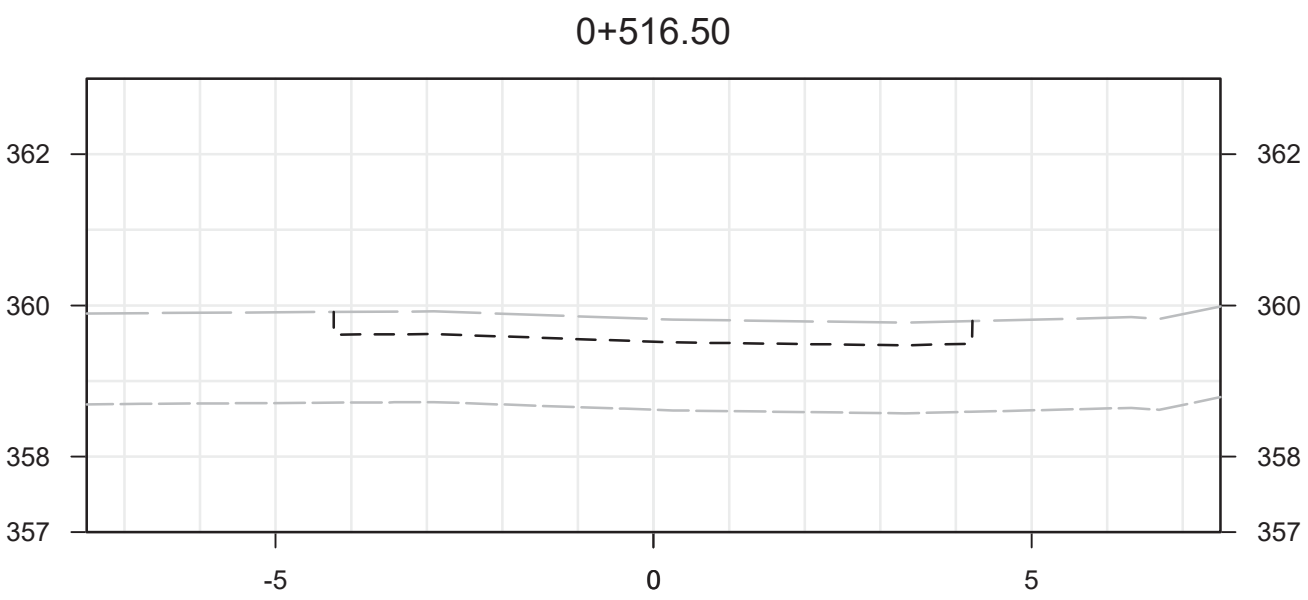
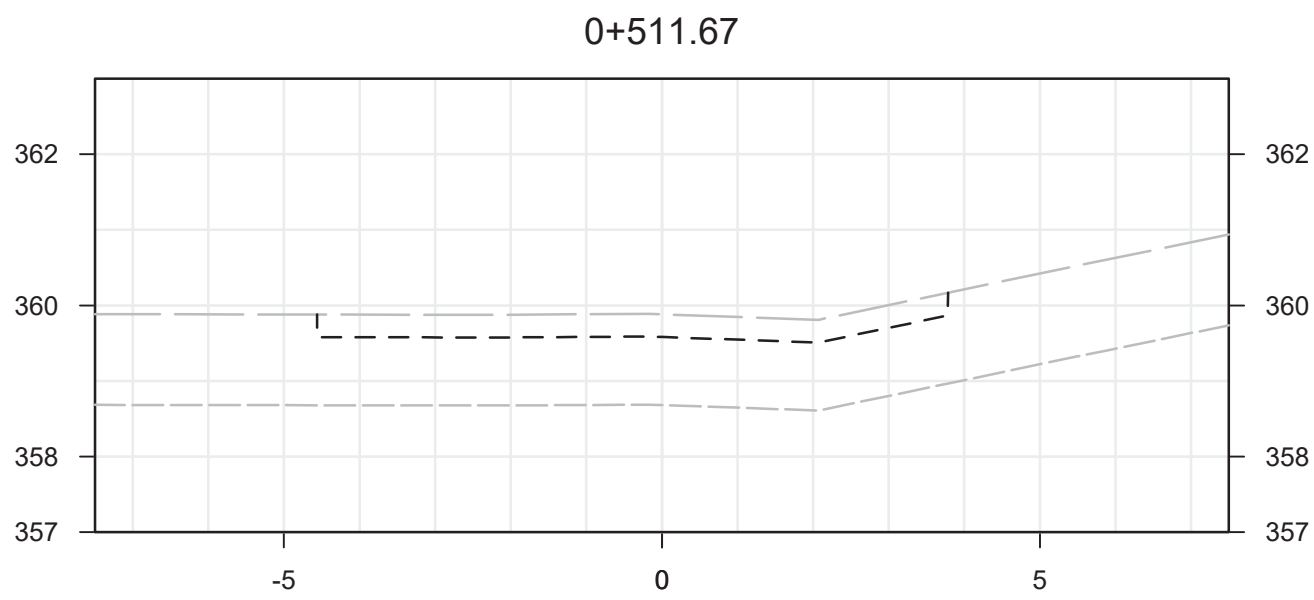
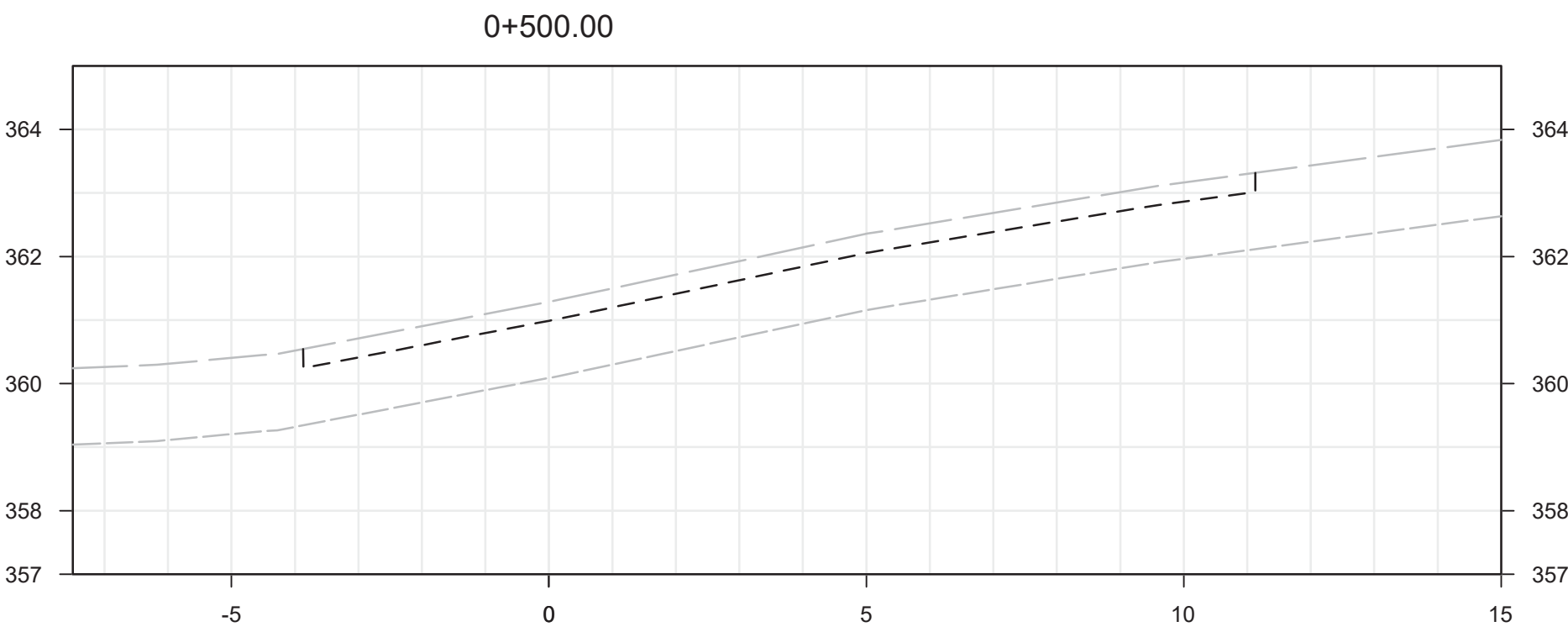
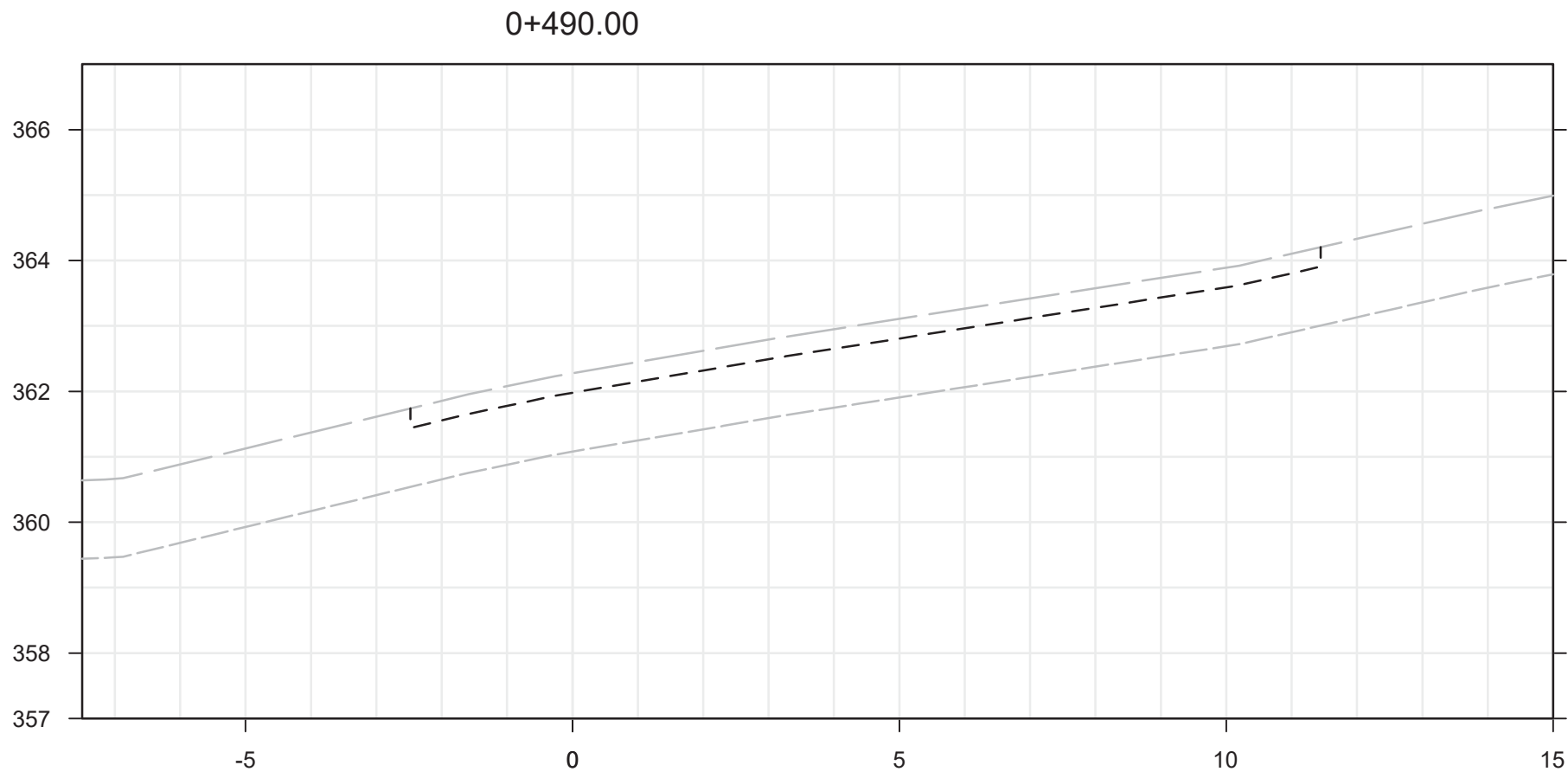
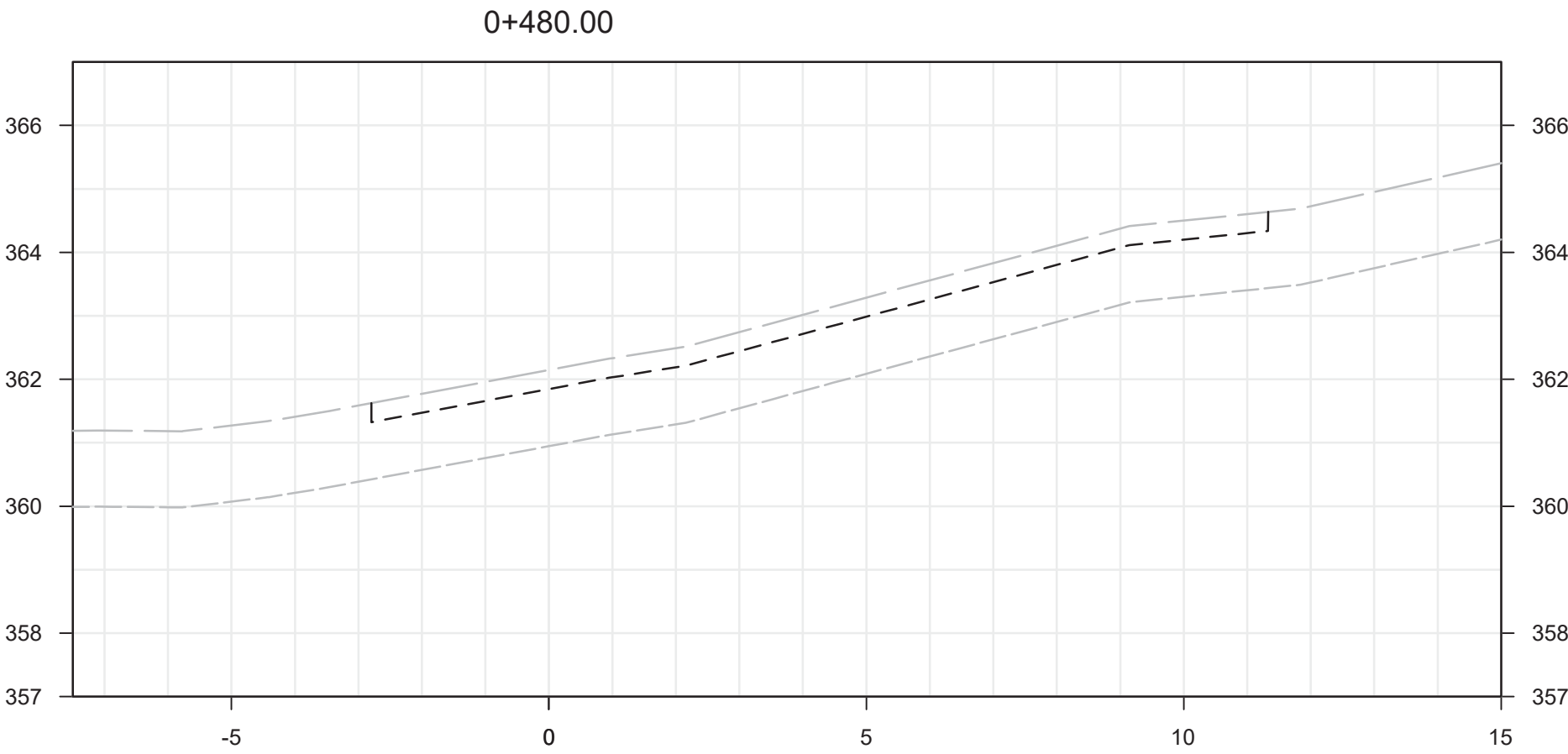
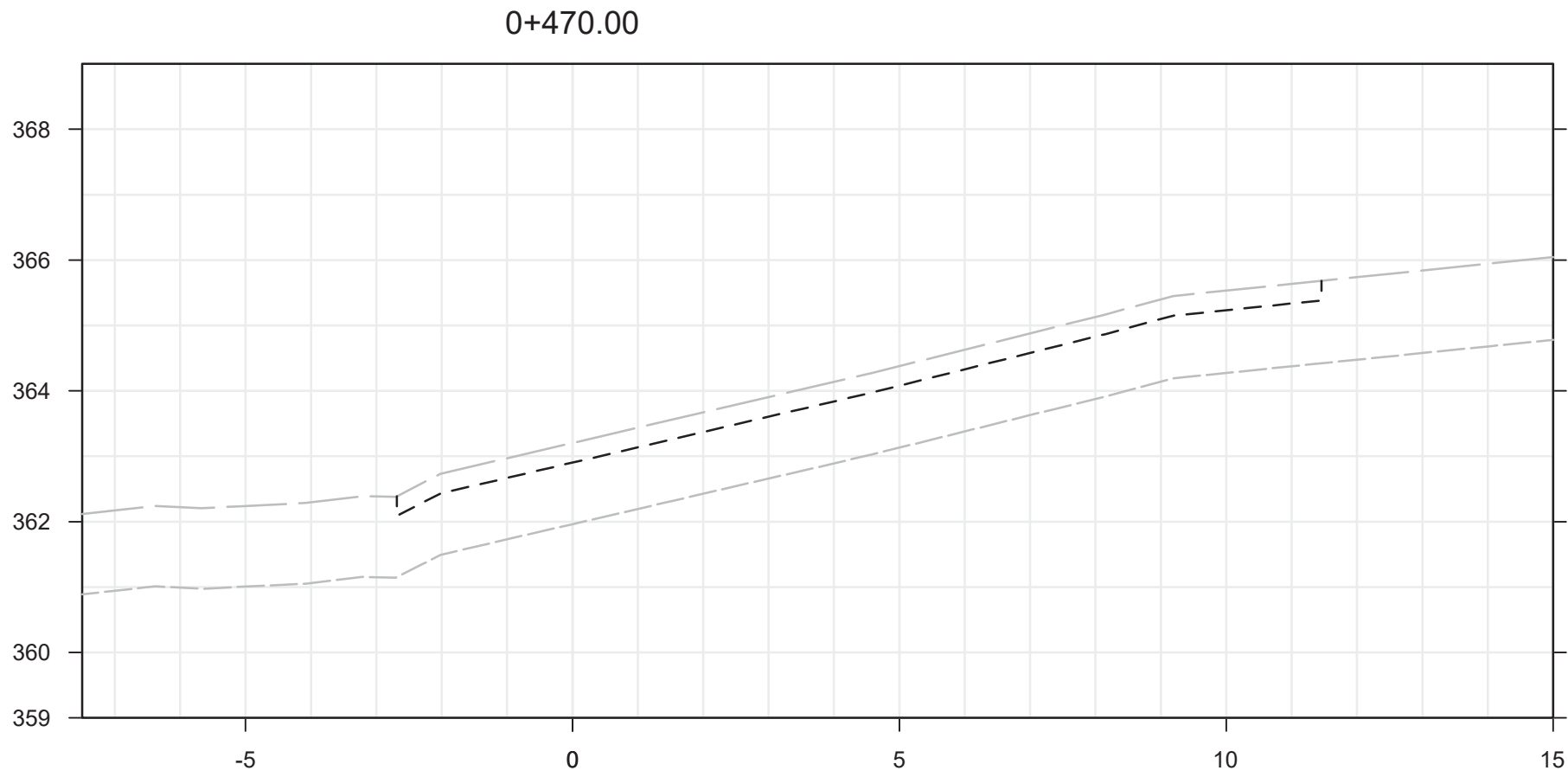
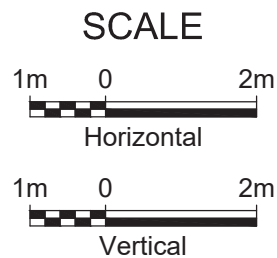
Do not scale drawings.
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A	Detail No.
B	drawing no. - where detail required
C	drawing no. - where detailed

project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
CROSS SECTIONS

drawn by dessiné par	A.C.	
designed by conc par	A.C.	
approved by approve par	B.P.	
tender soumission	PIERRE GRAMBART	project manager administrateur de projets
project date date du projet	2019/08	
project no. no. du projet	R.076951.170	
drawing no. dessiné no.	506	





Public Works and
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CONSULTING
ENGINEERS
PLANNERS



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MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
CROSS SECTIONS

drawn by
dessiné par
A.C.

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conçu par
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approuvé par
B.P.

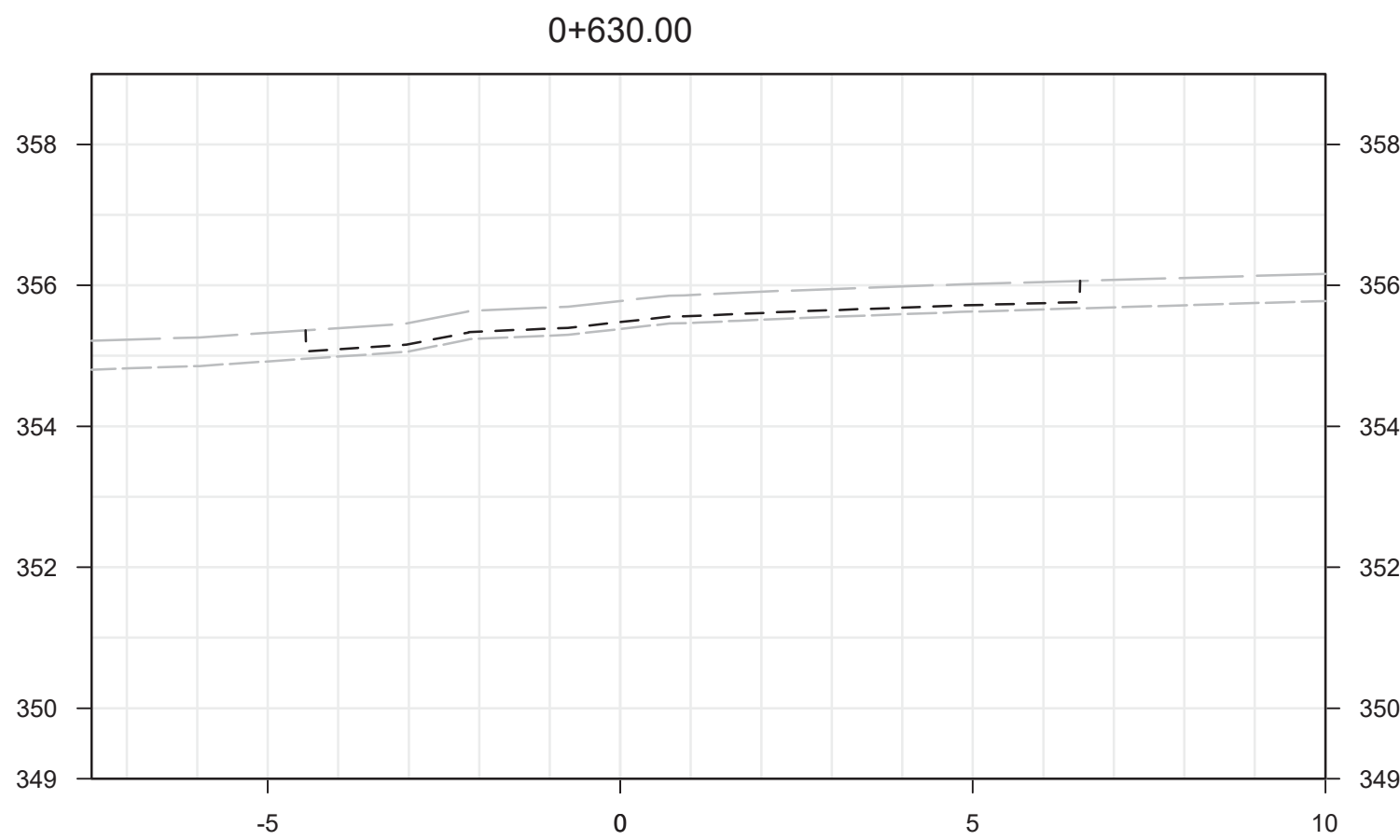
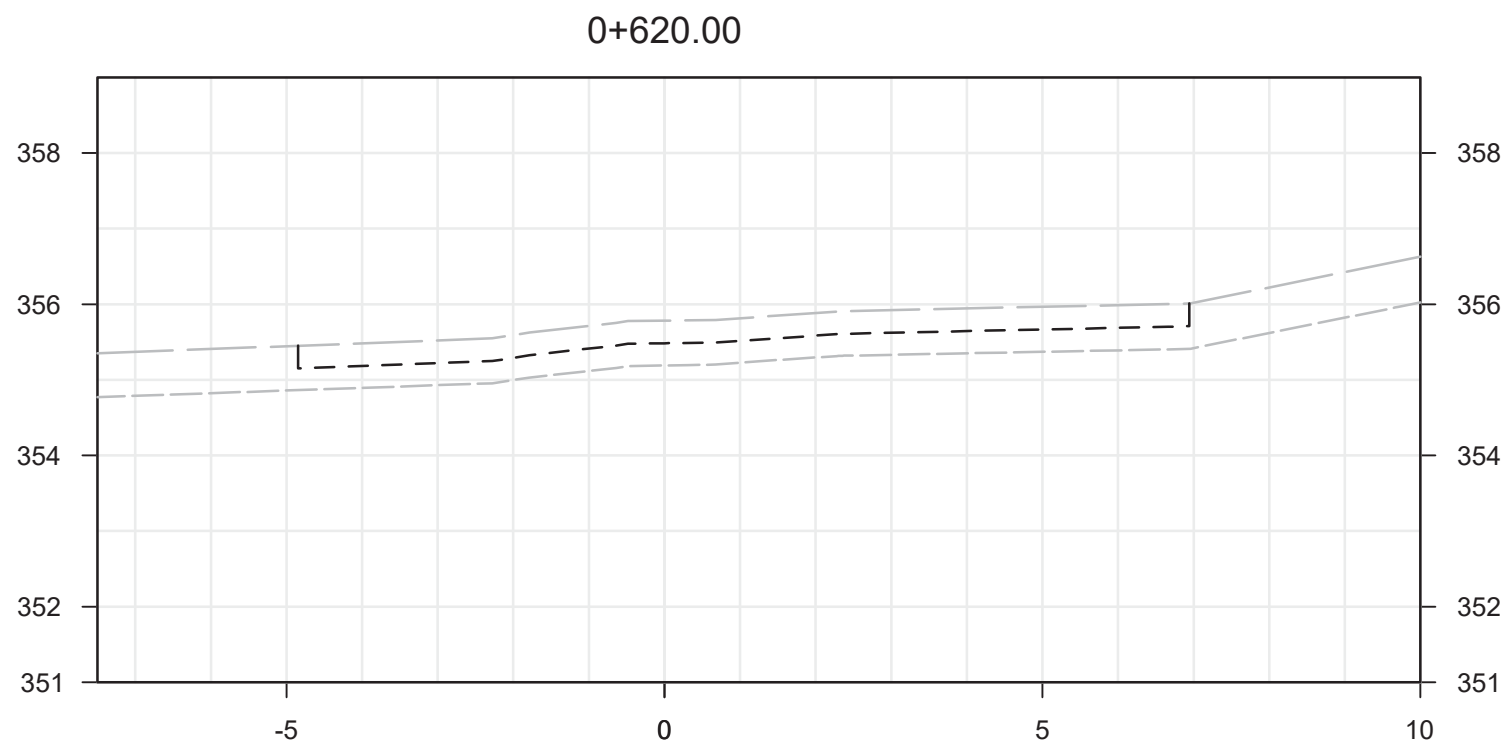
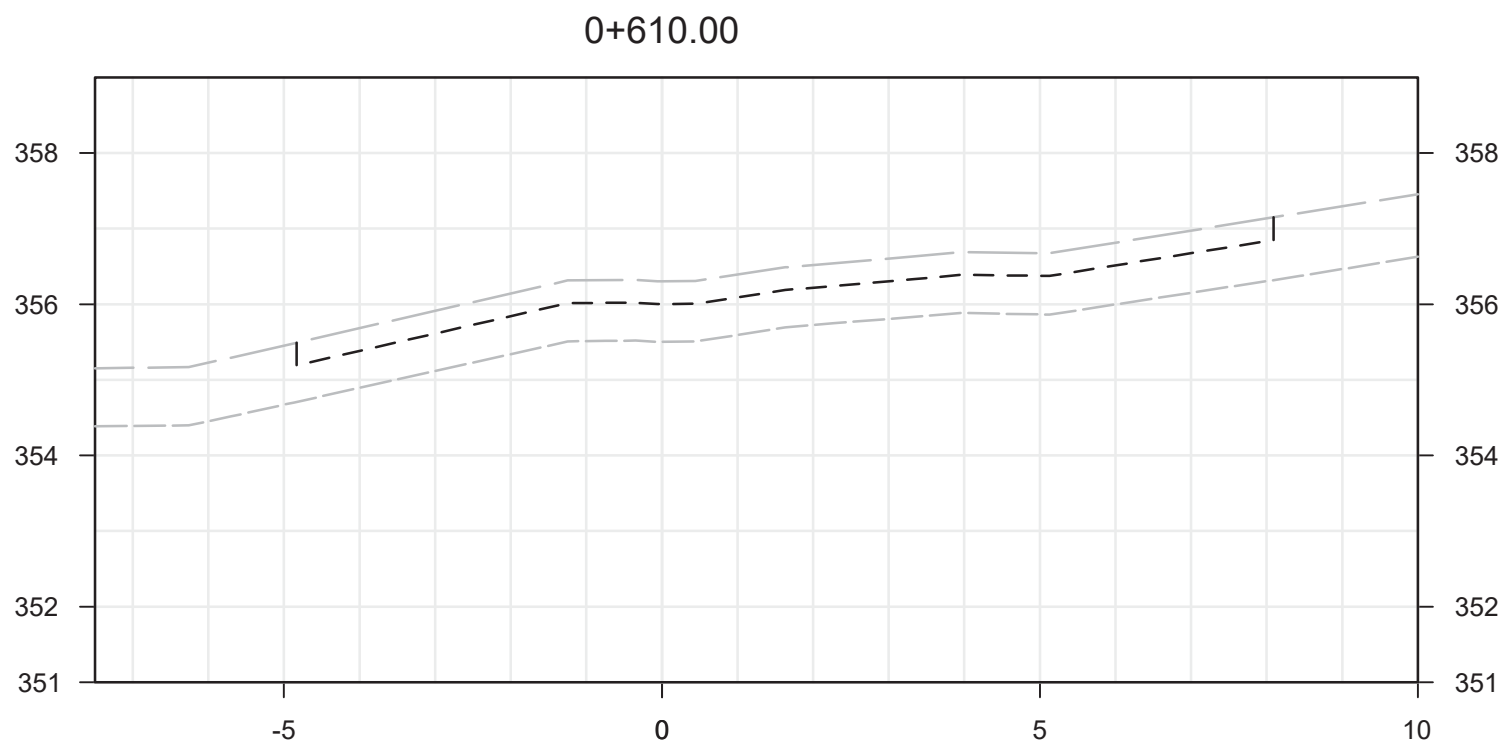
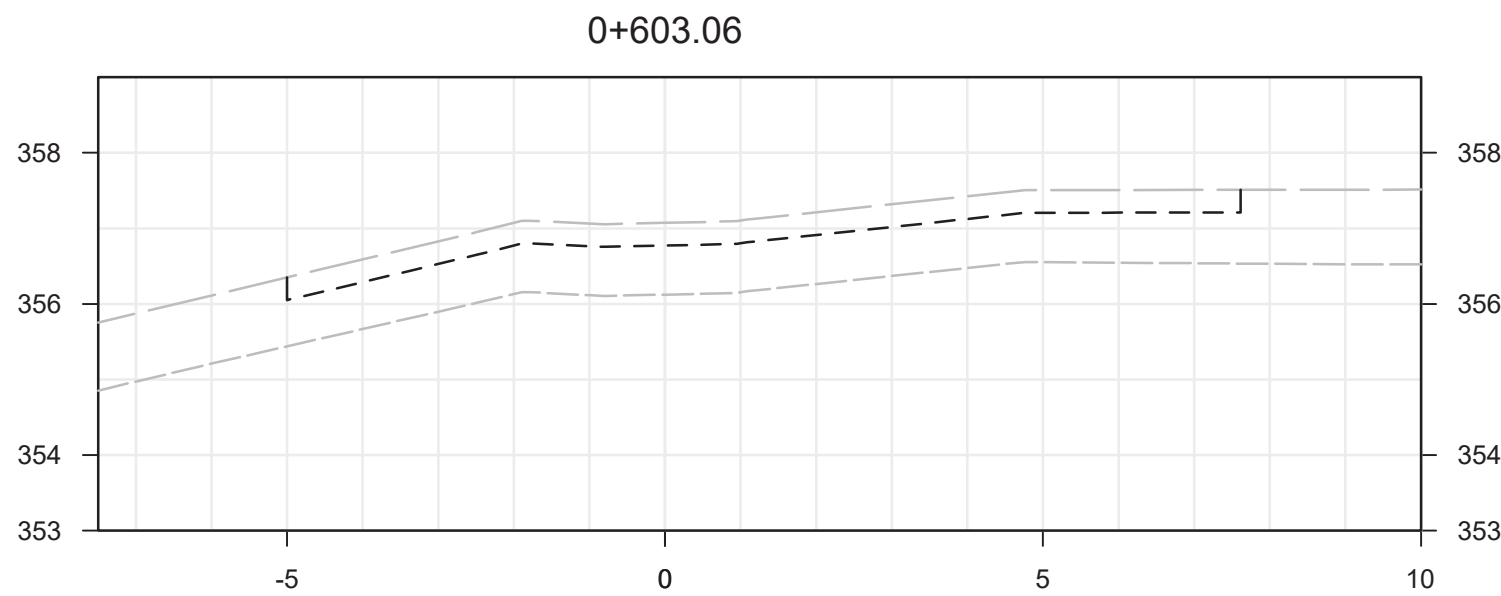
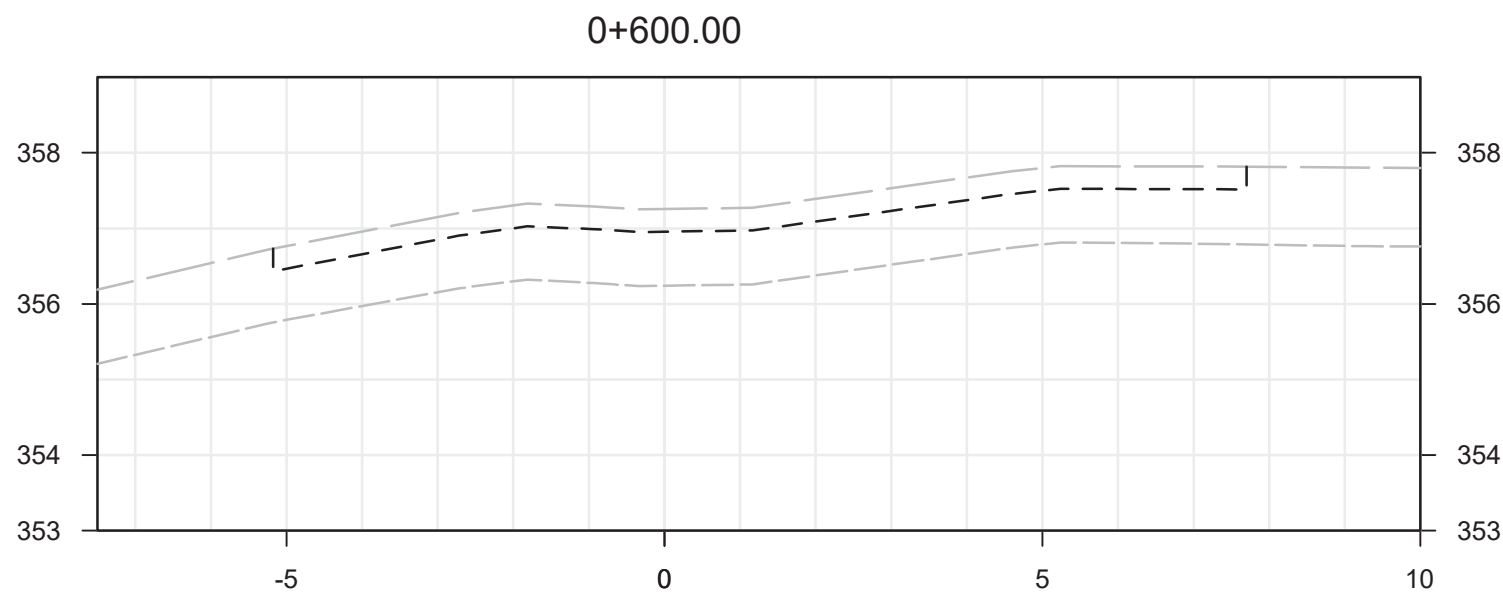
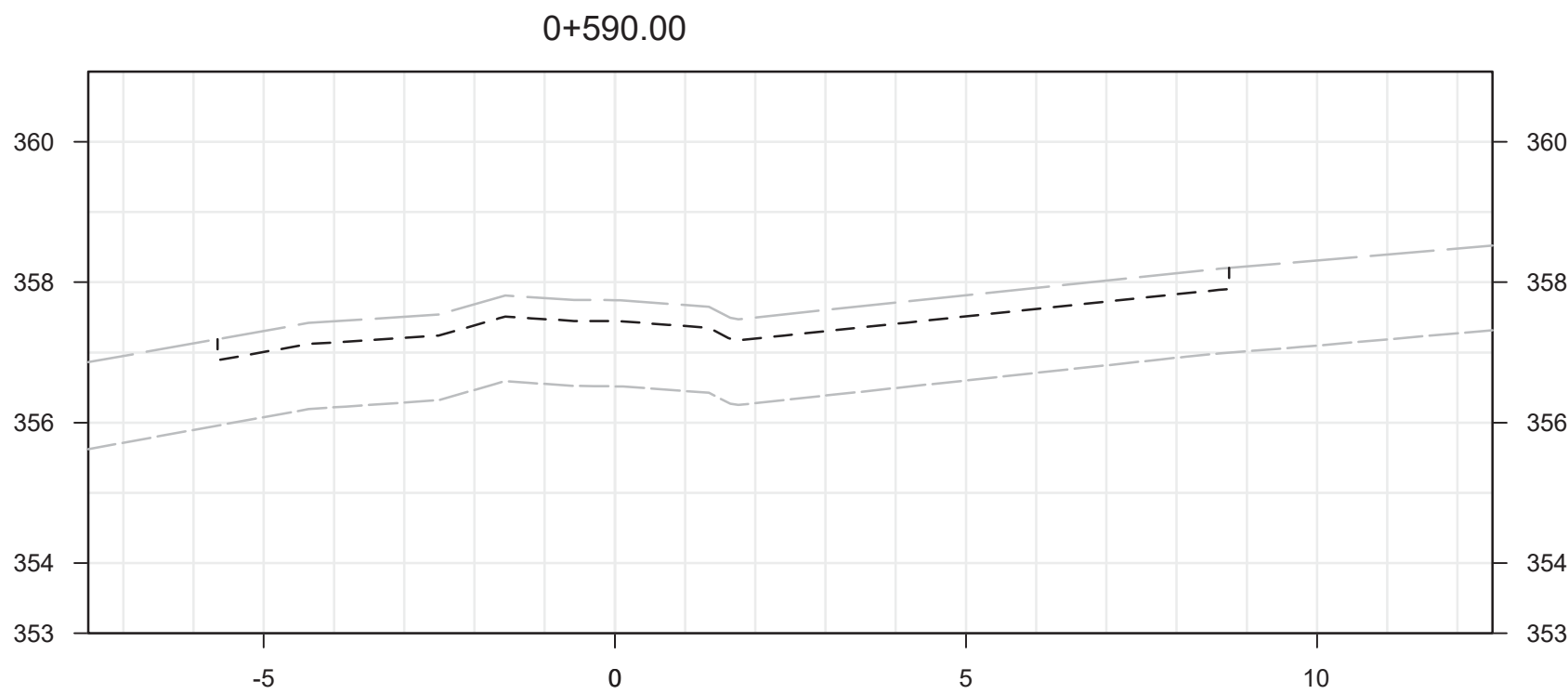
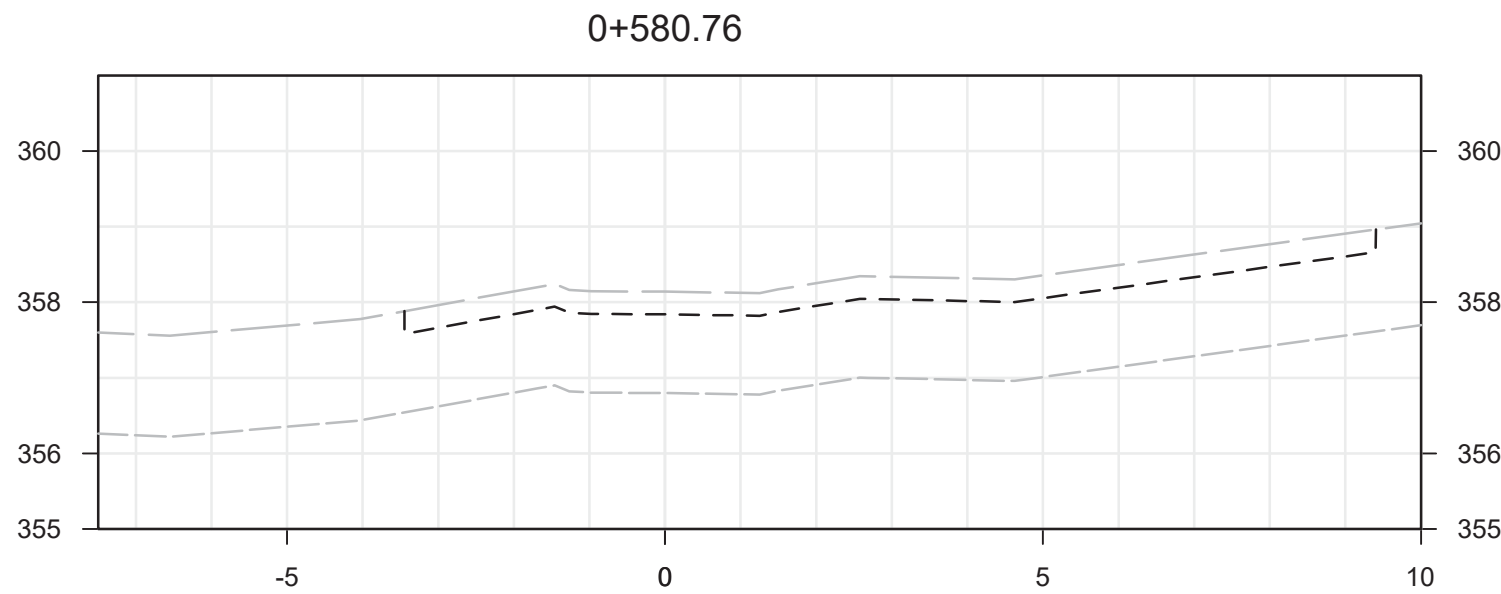
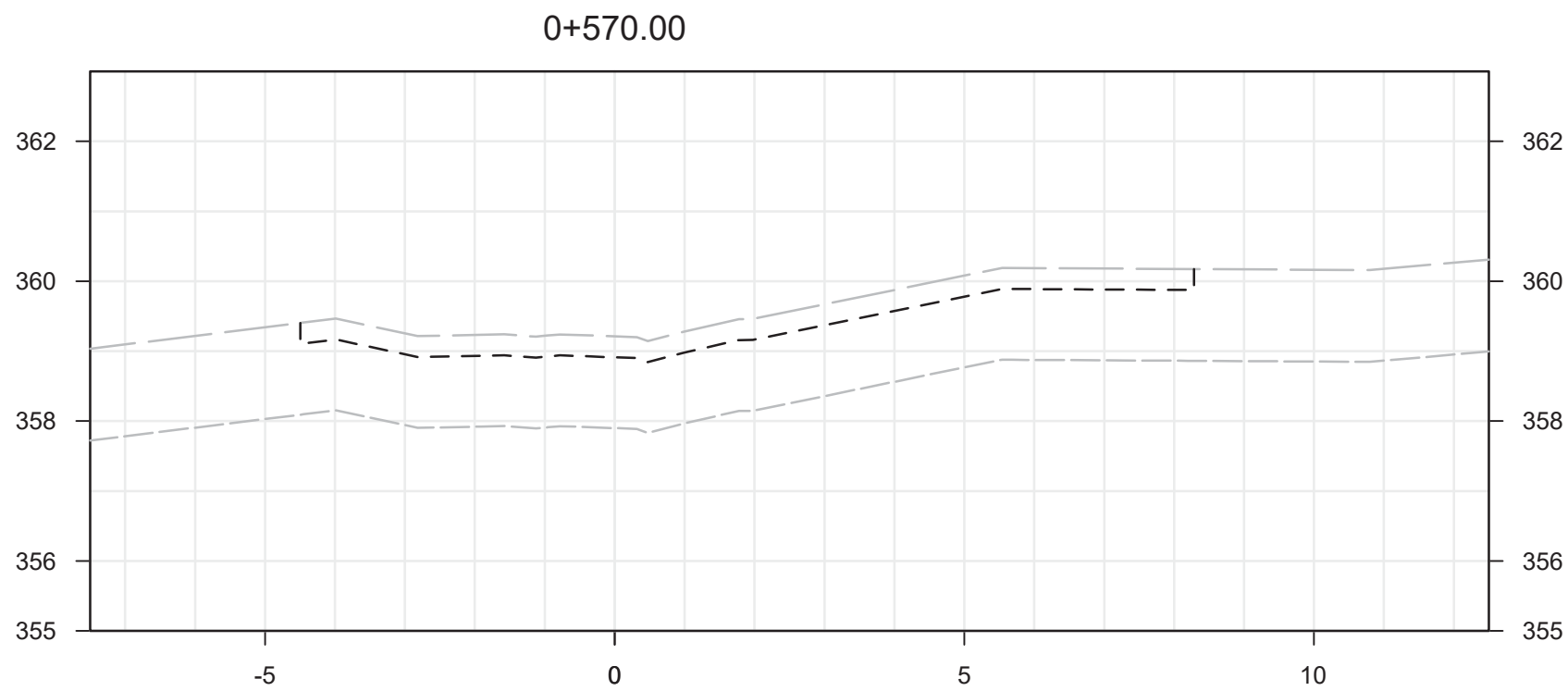
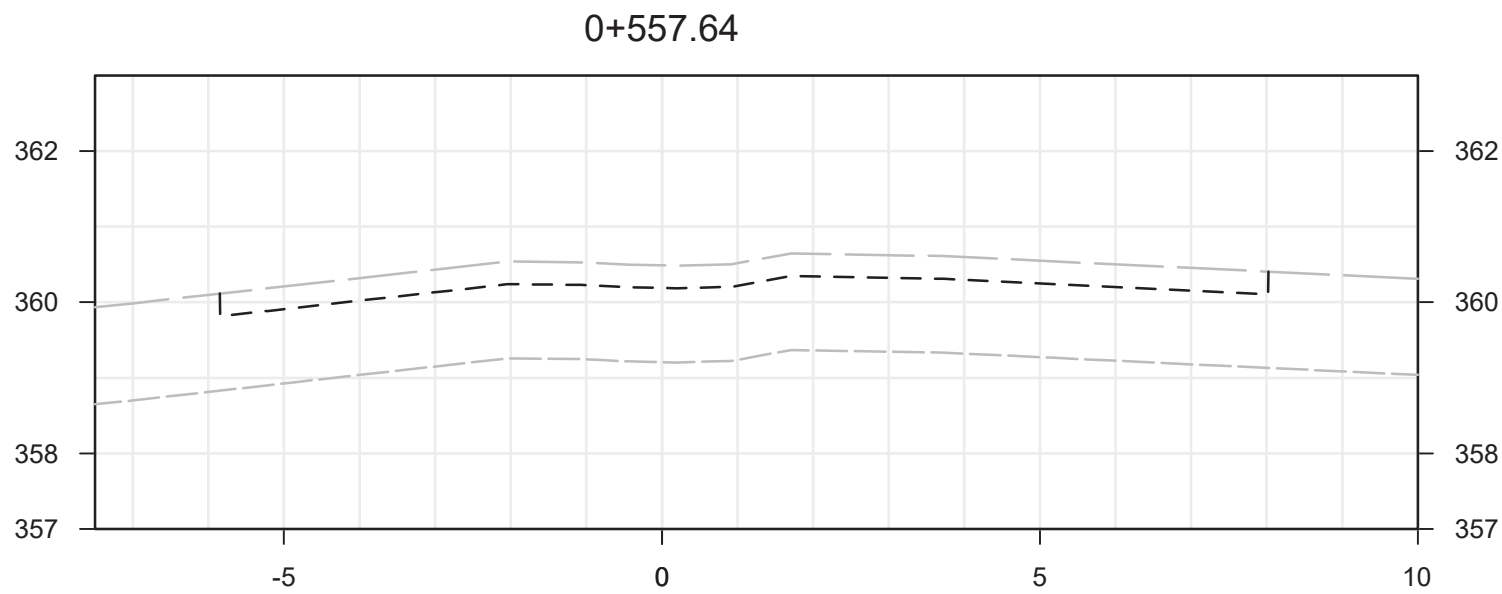
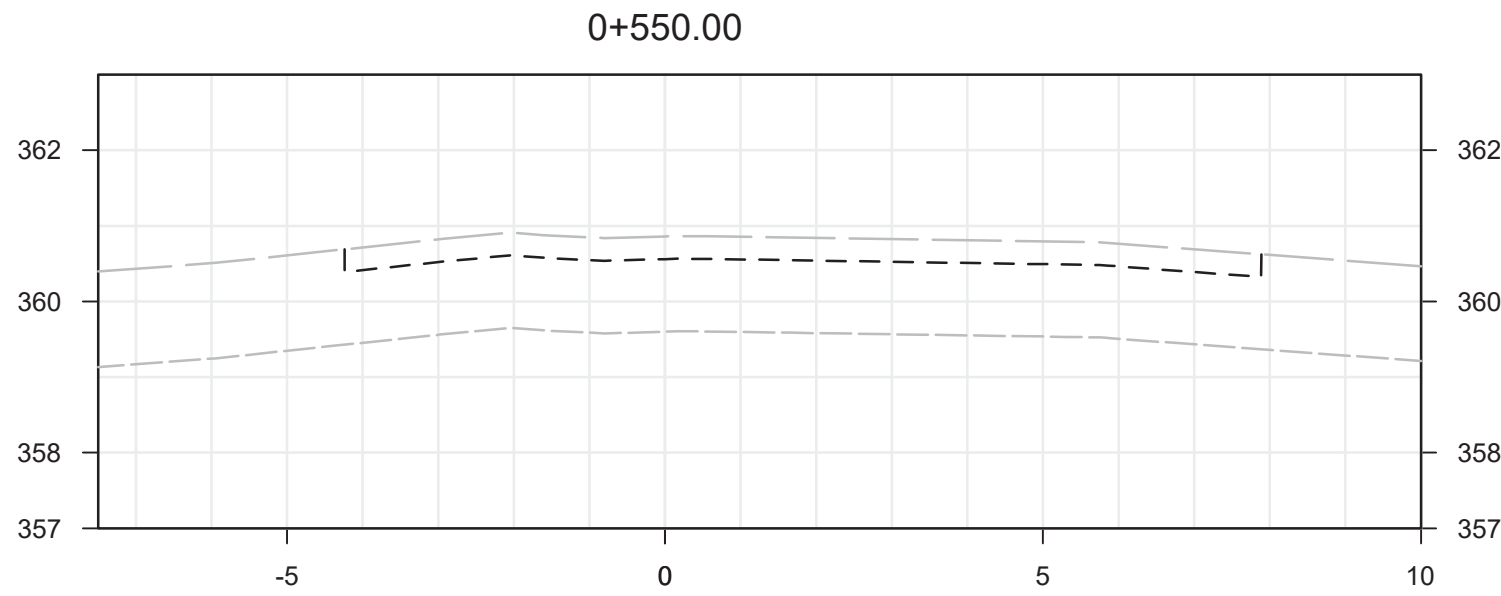
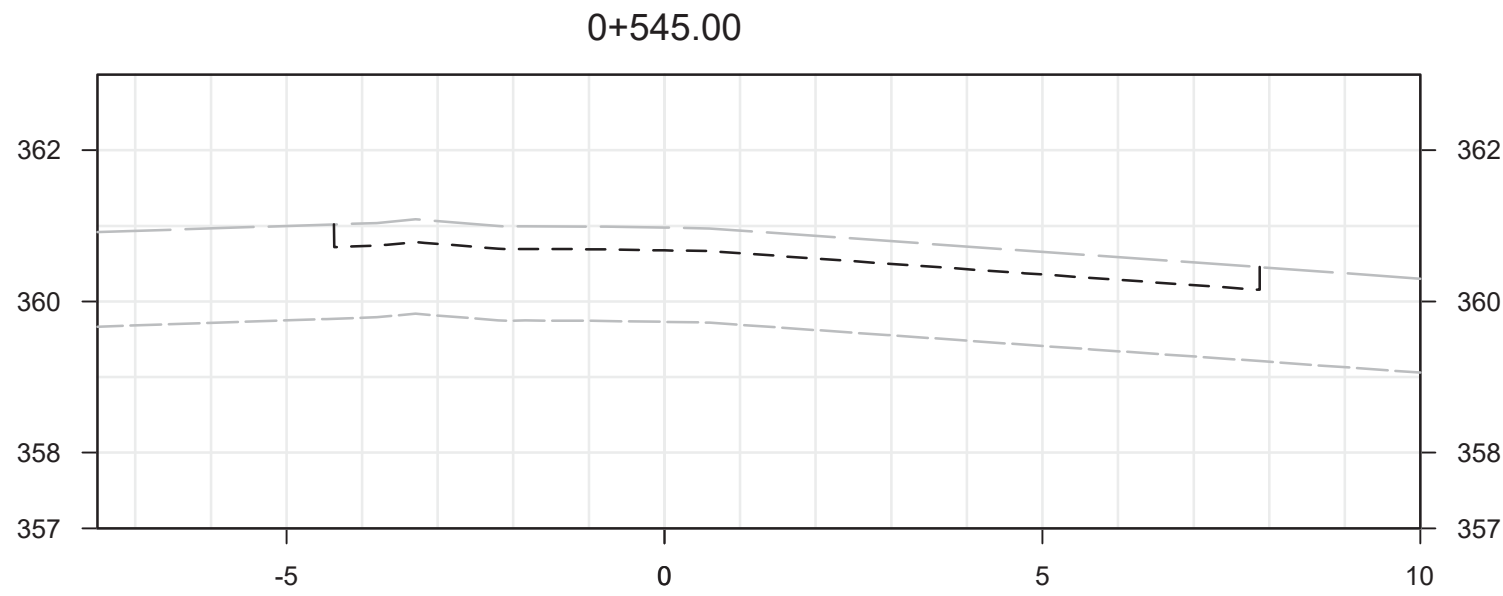
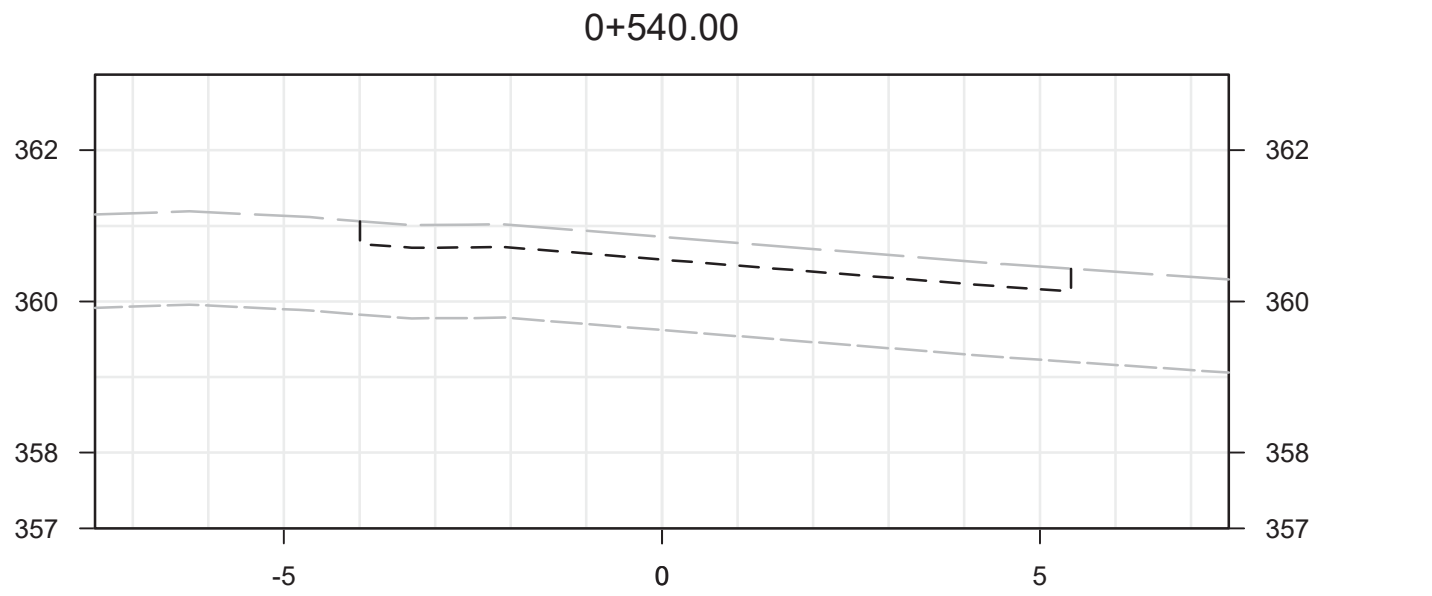
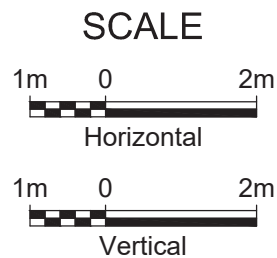
tender
soumission
PIERRE GRAMBART

project manager
administrateur
de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
507





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Travaux publics et
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Région de l'Ontario



CONSULTING
ENGINEERS
PLANNERS



4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
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project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
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CROSS SECTIONS

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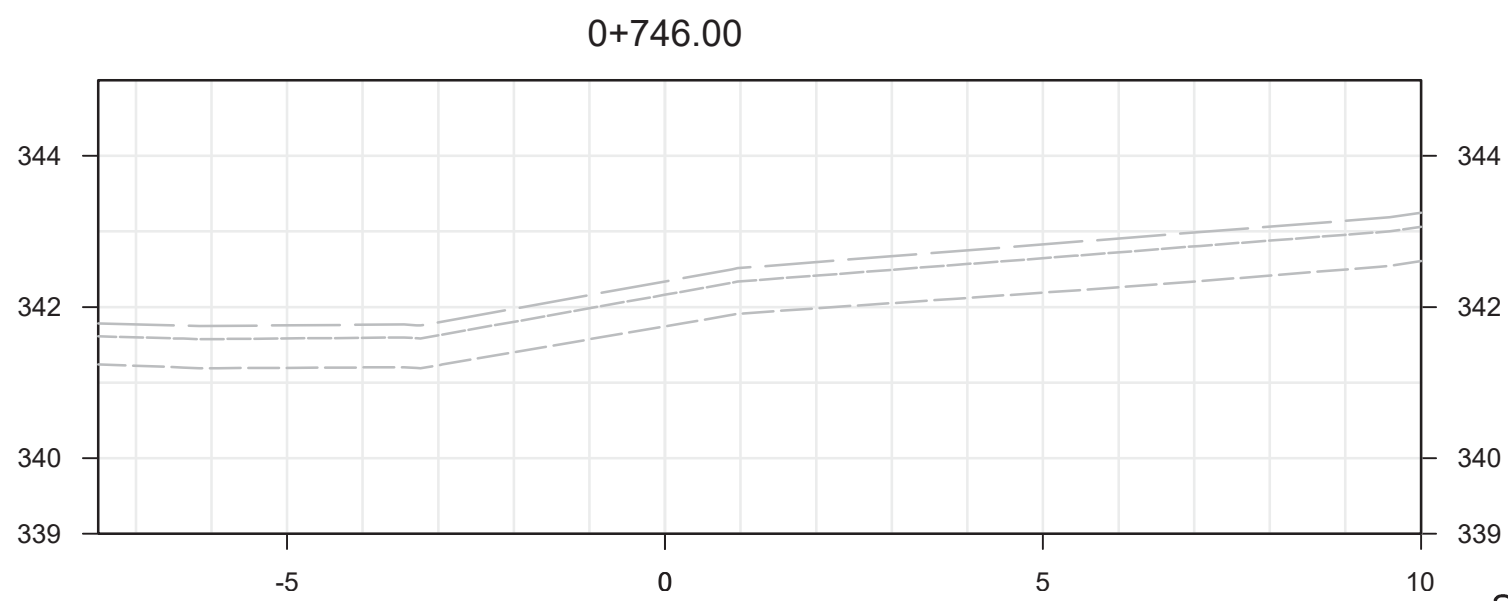
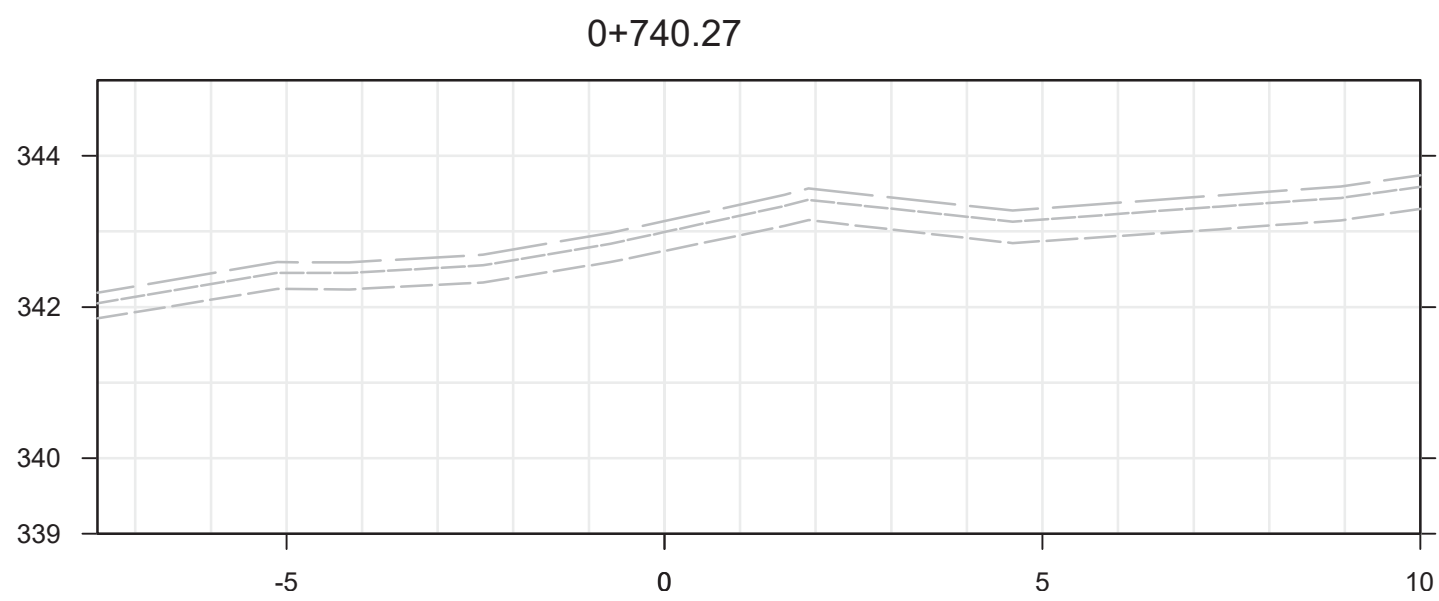
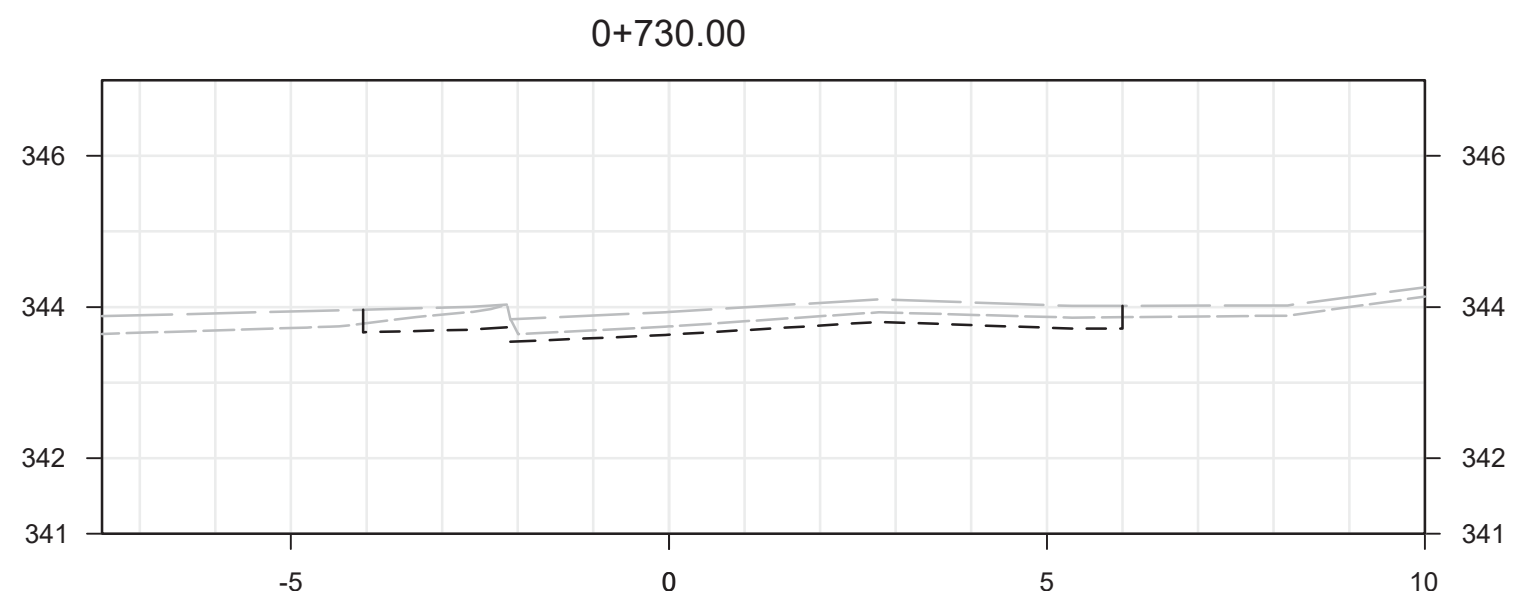
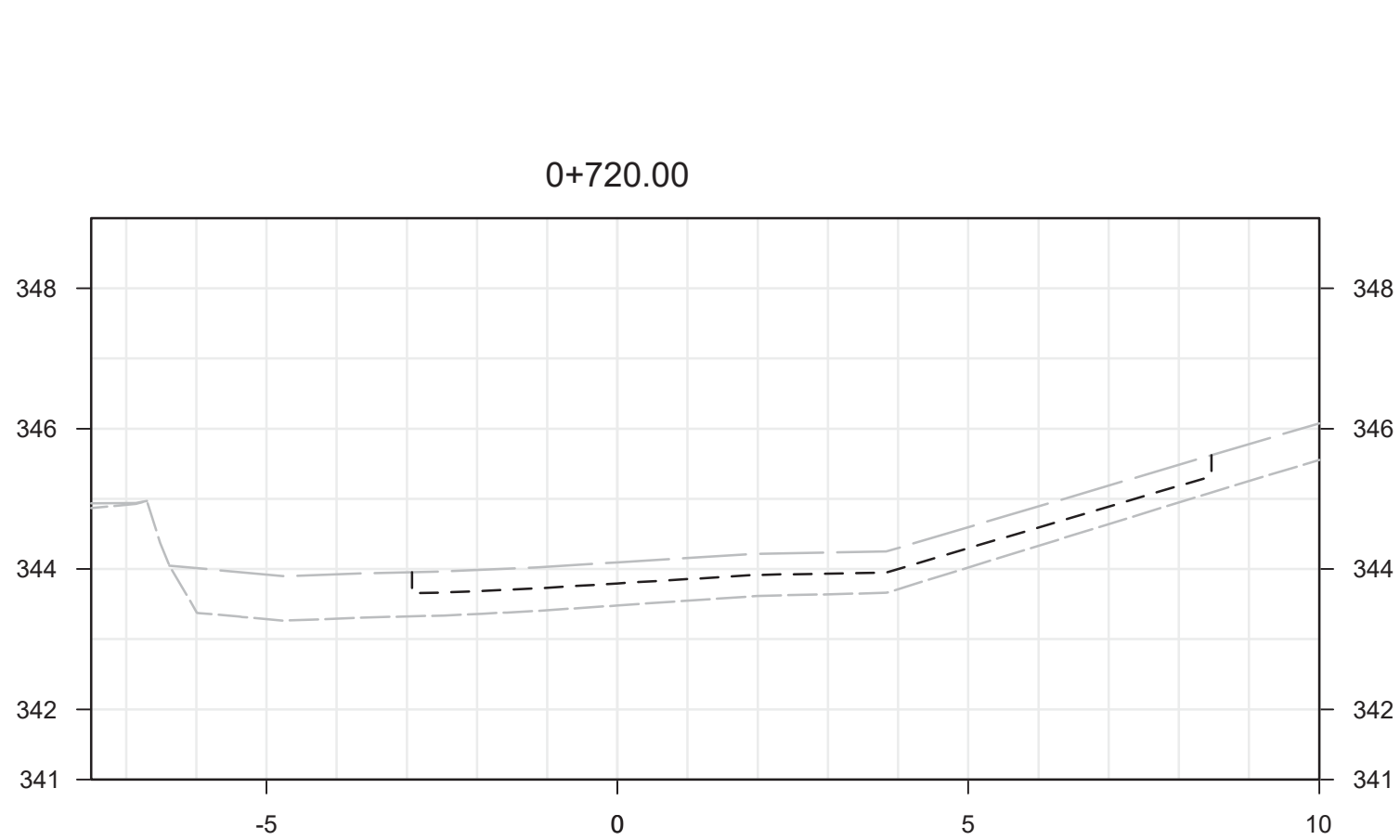
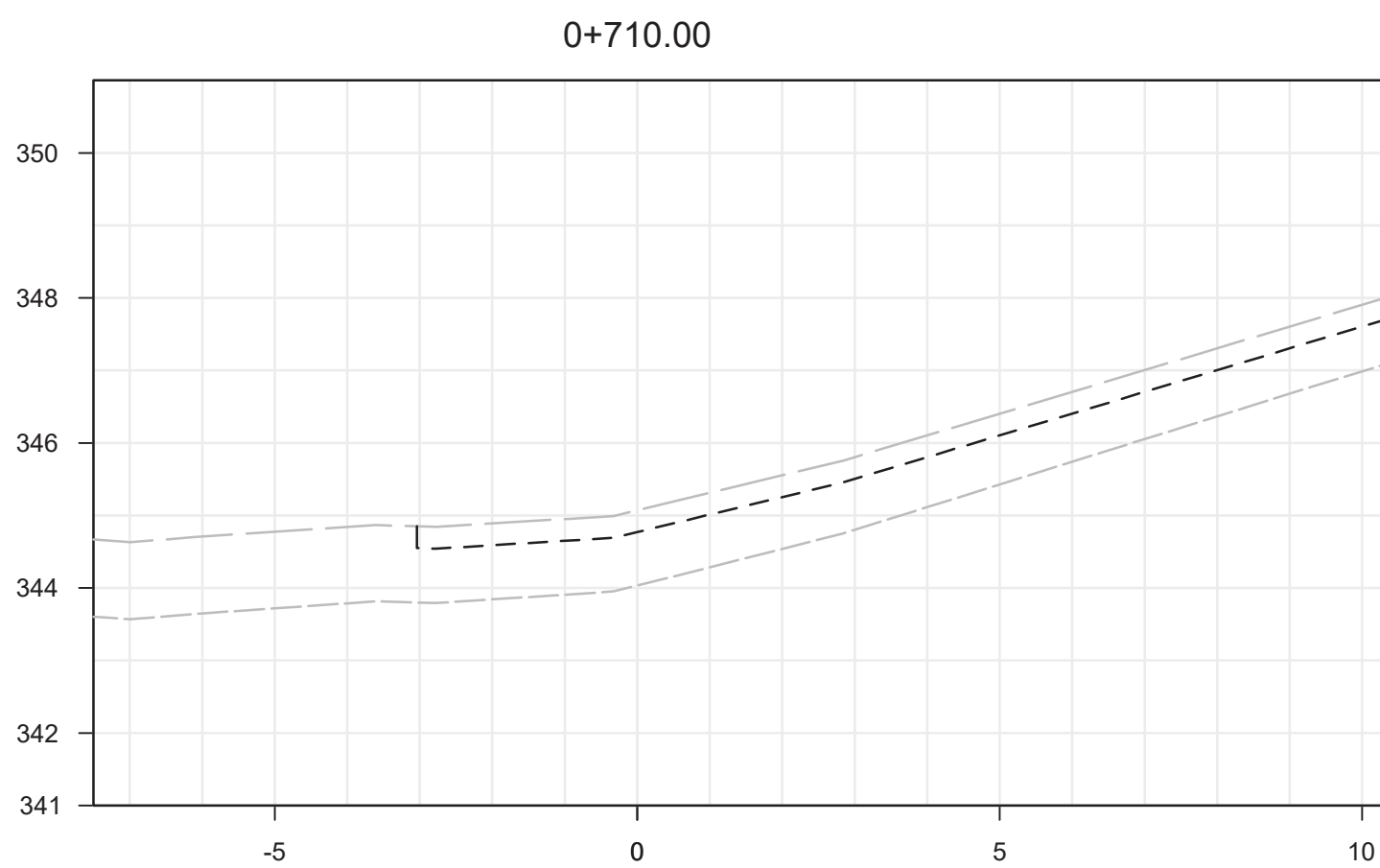
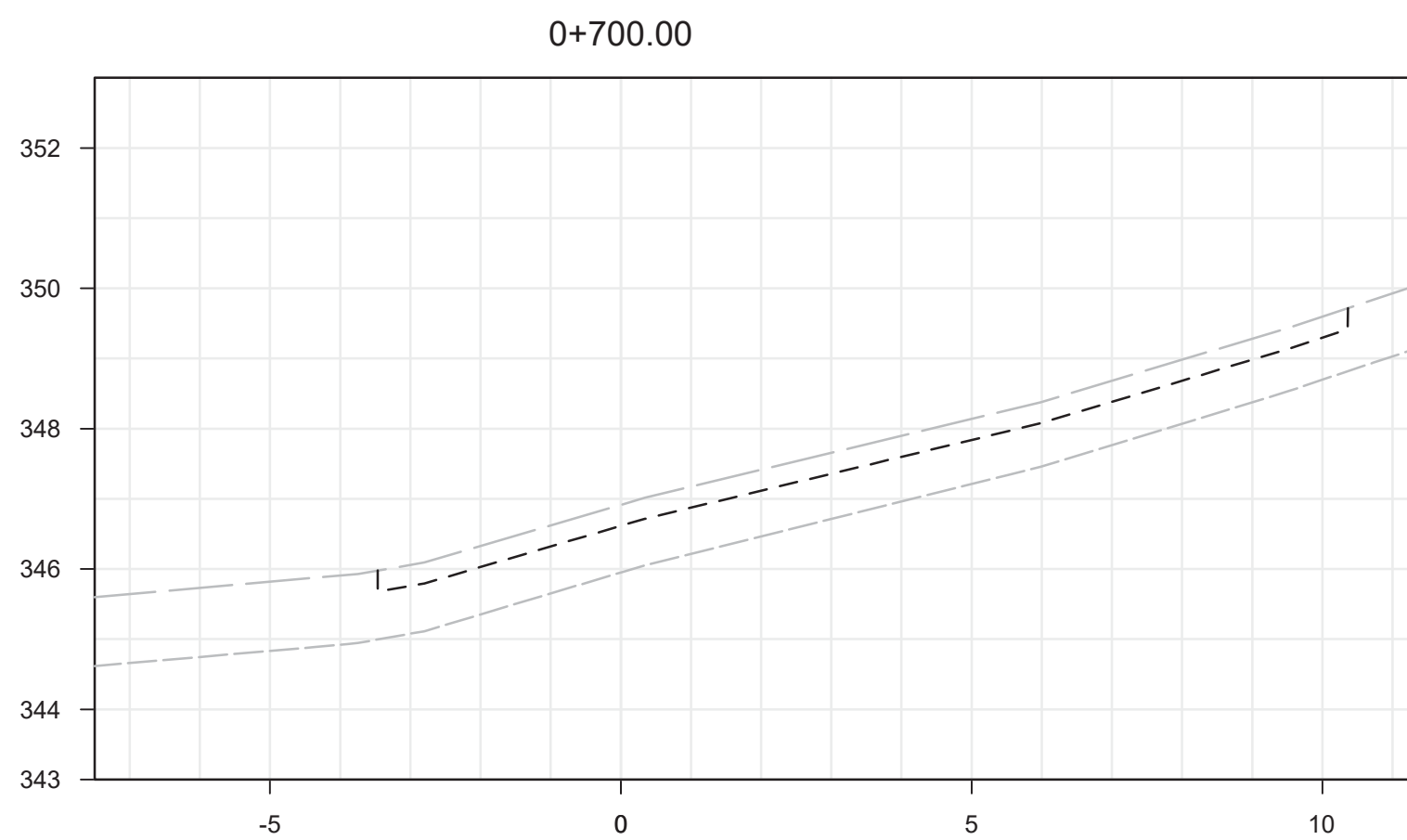
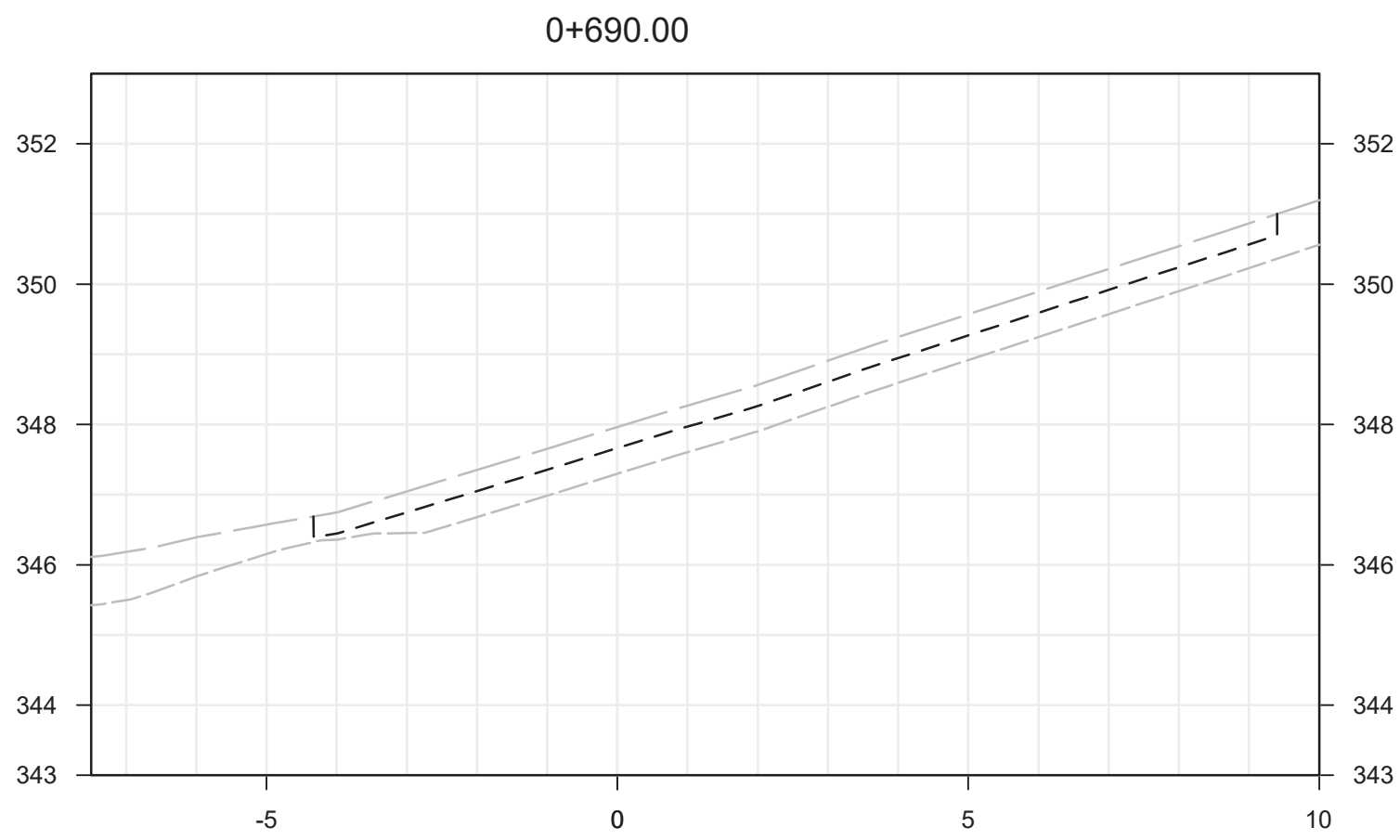
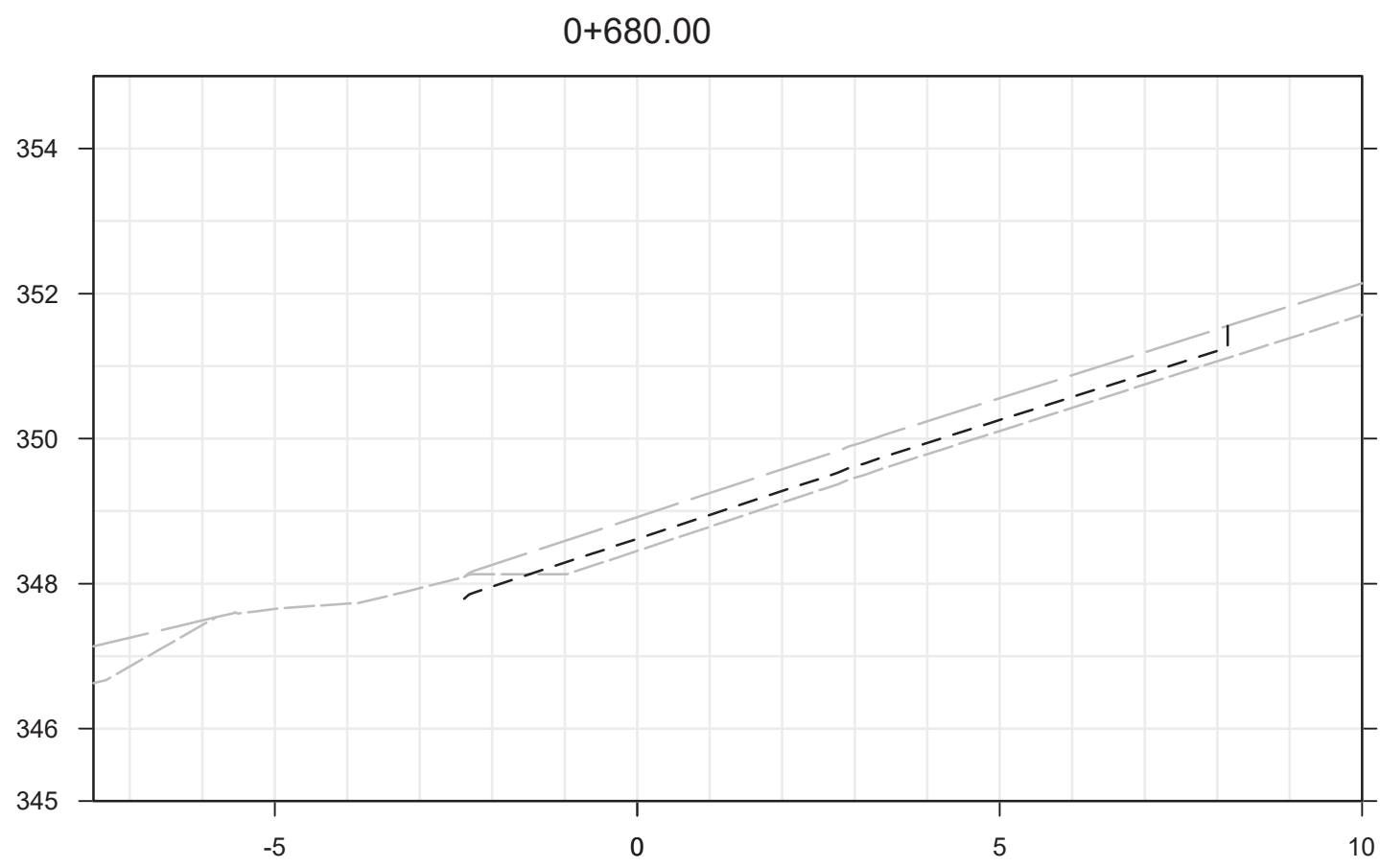
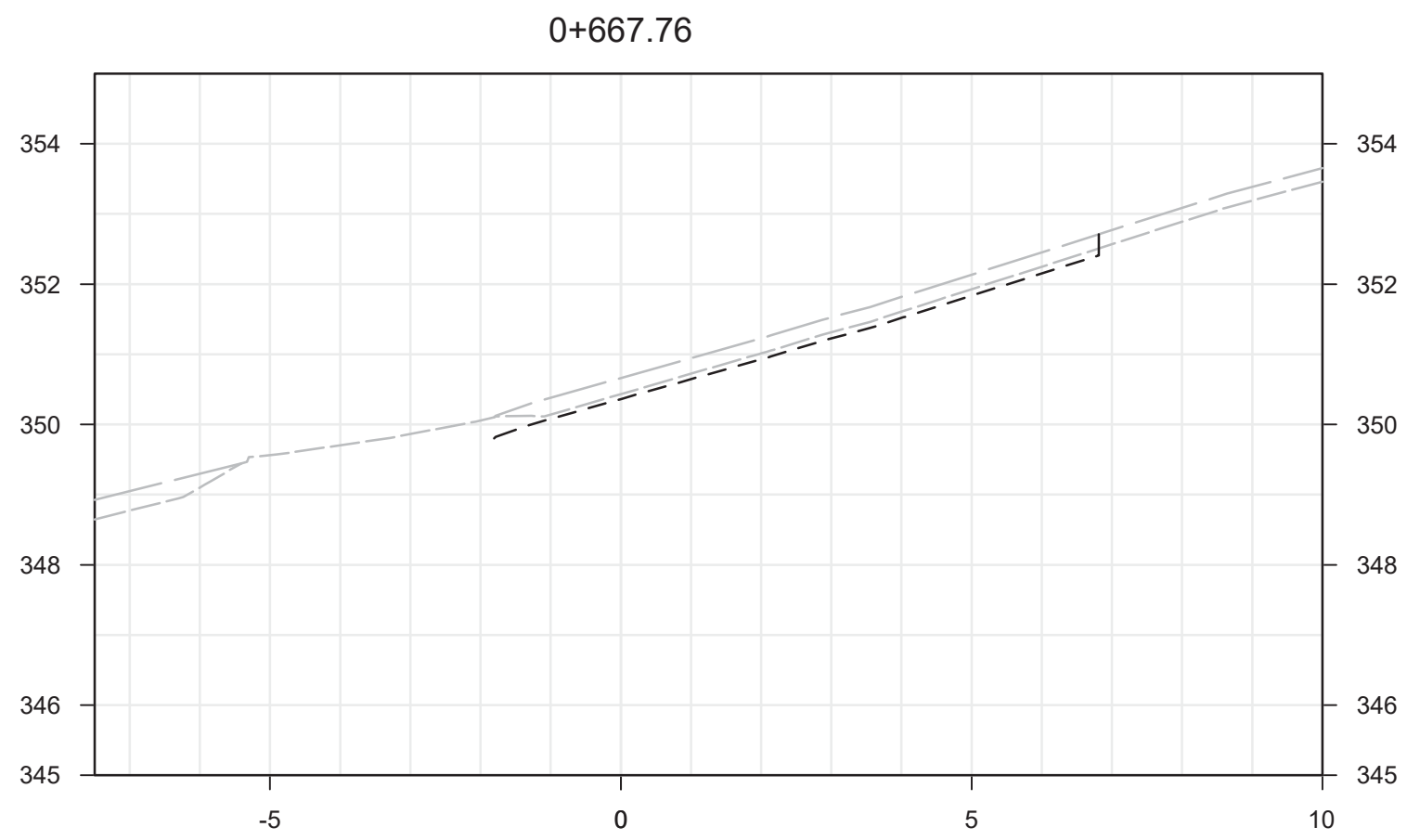
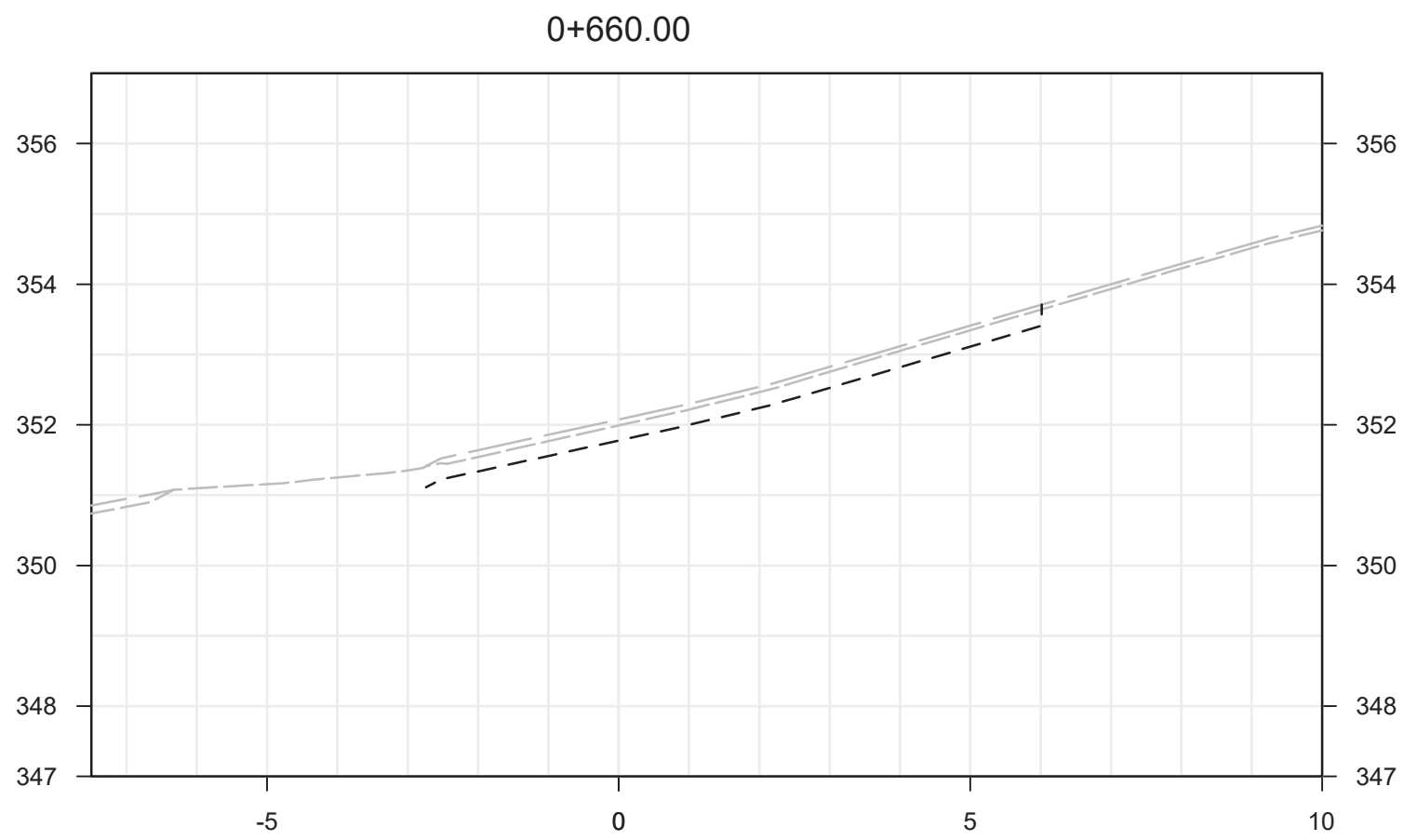
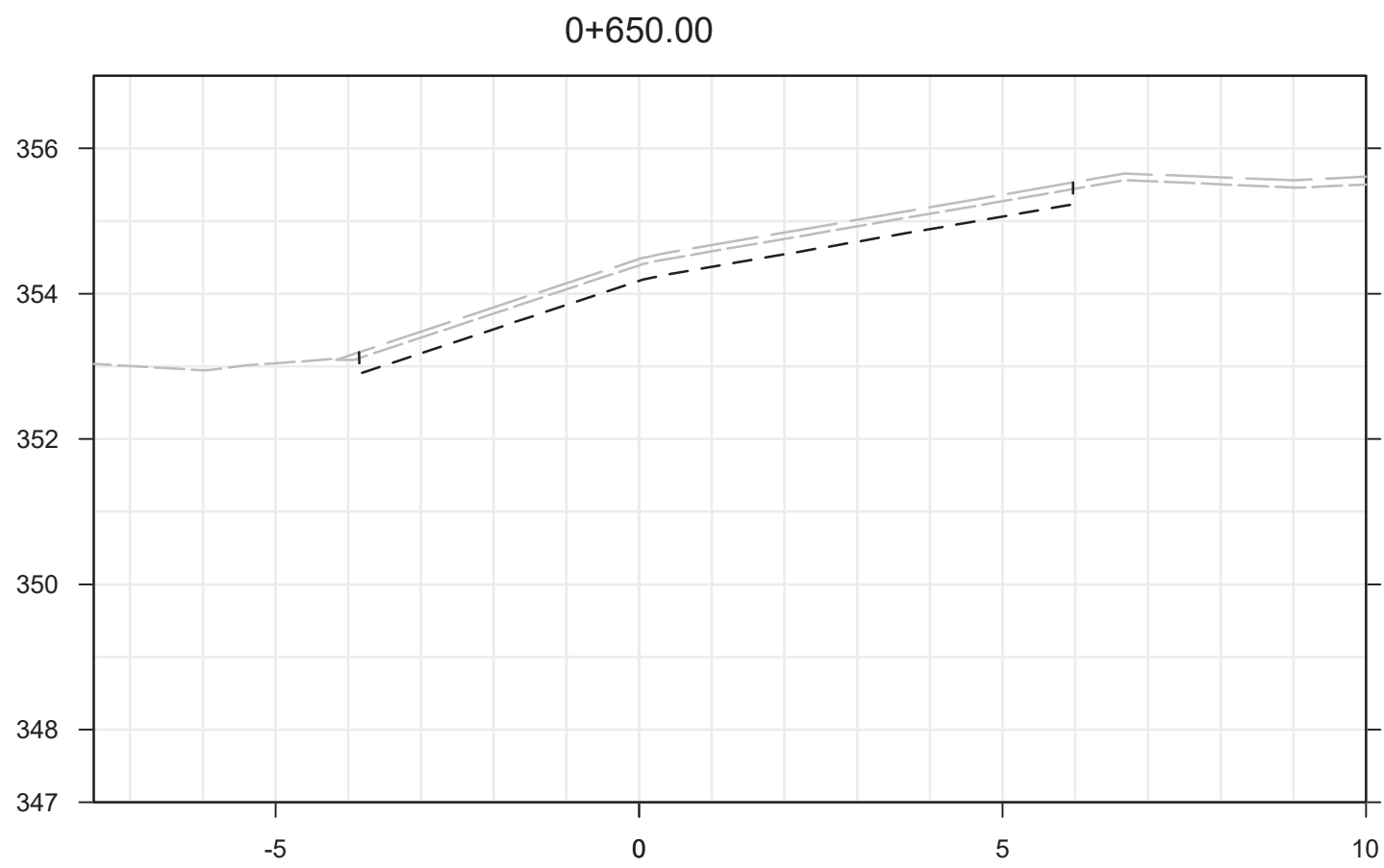
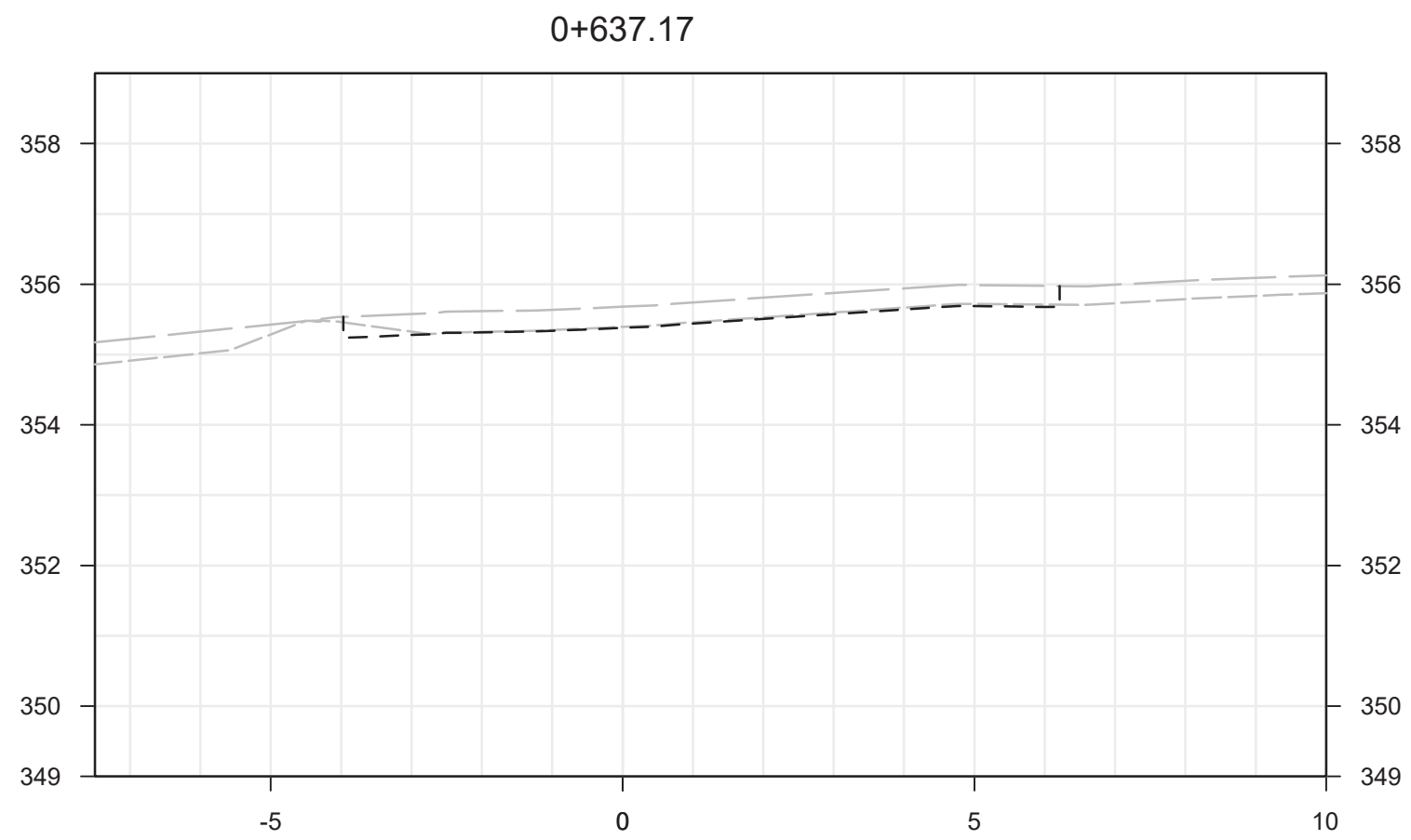
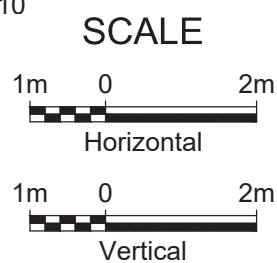
tender
soumission
PIERRE GRAMBART

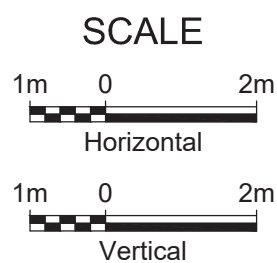
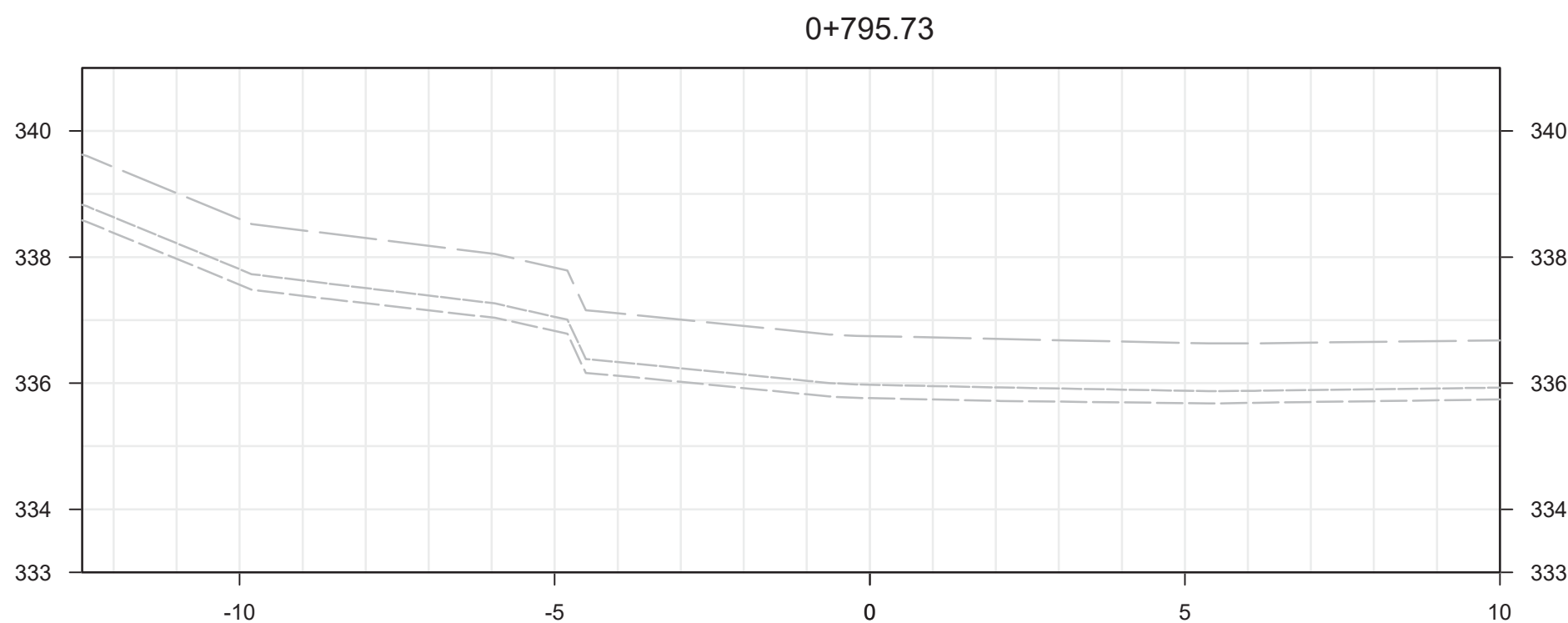
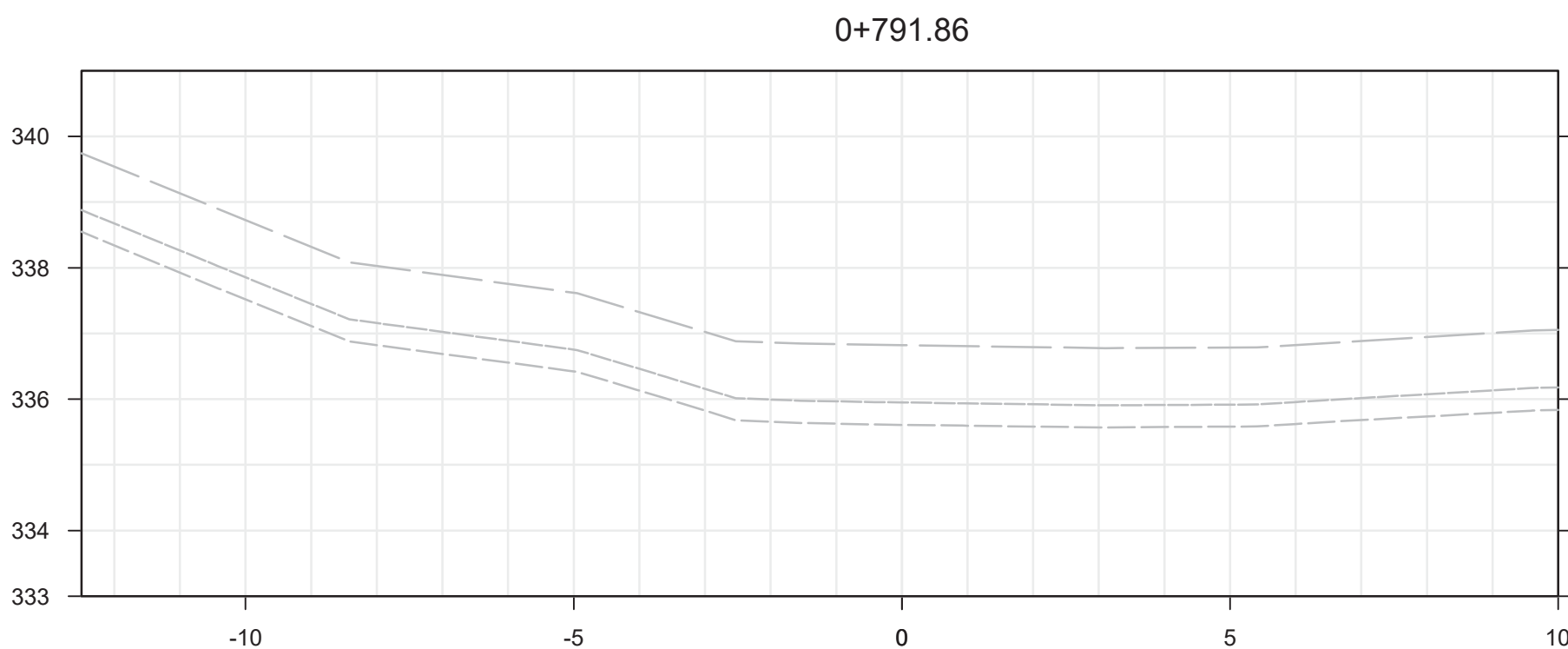
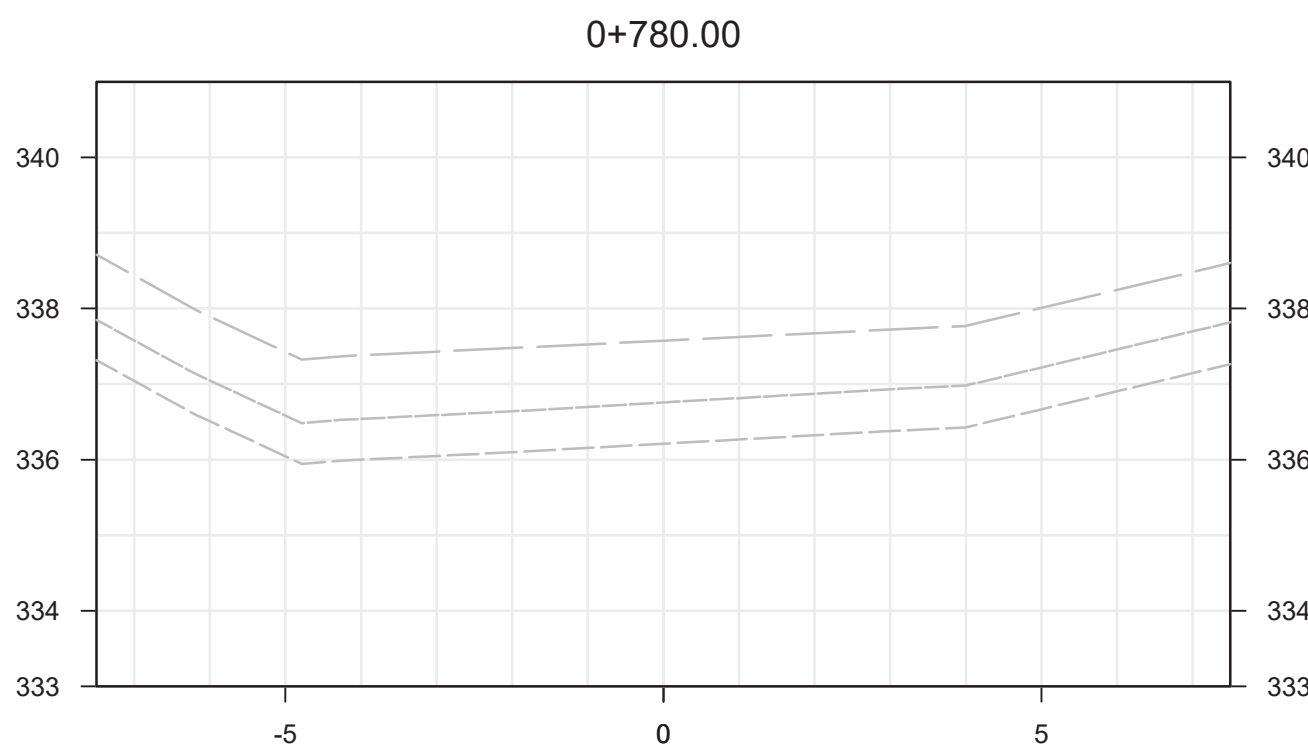
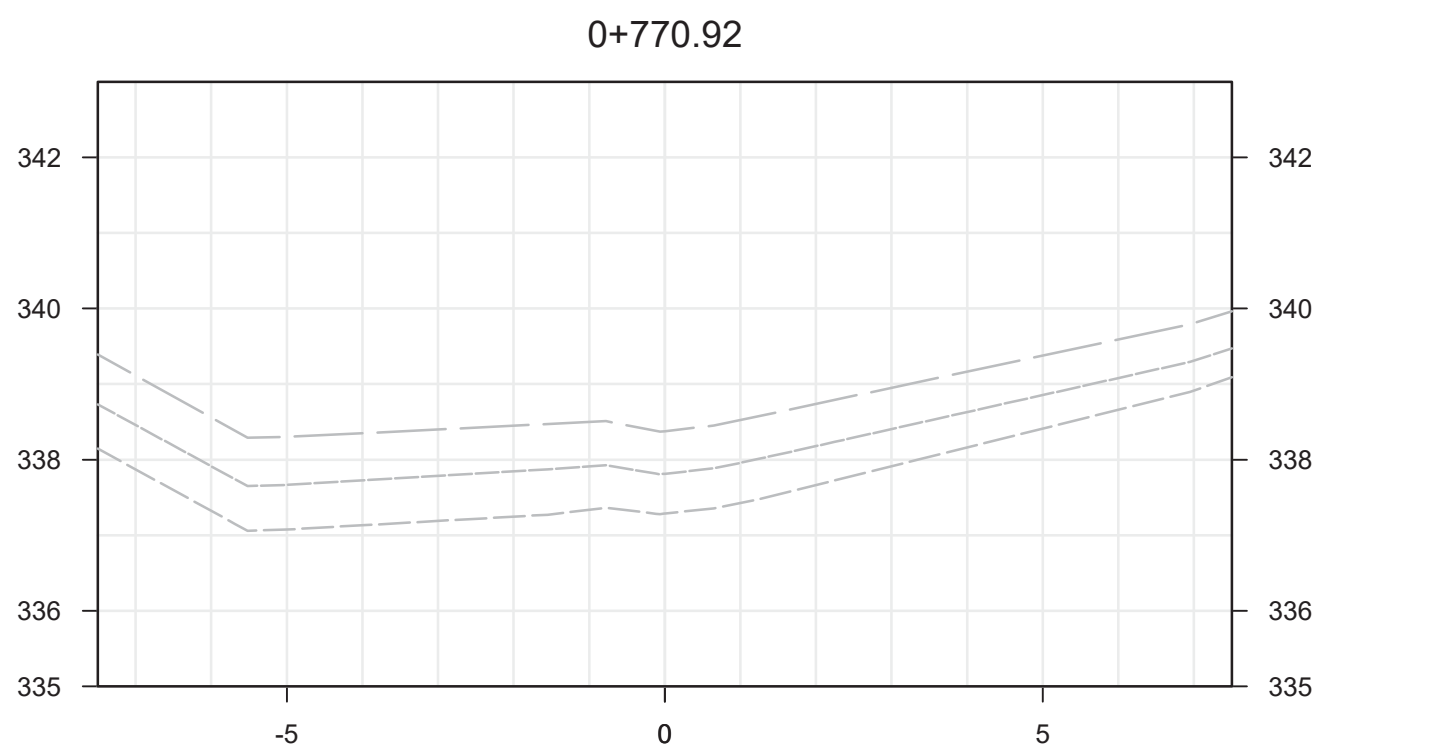
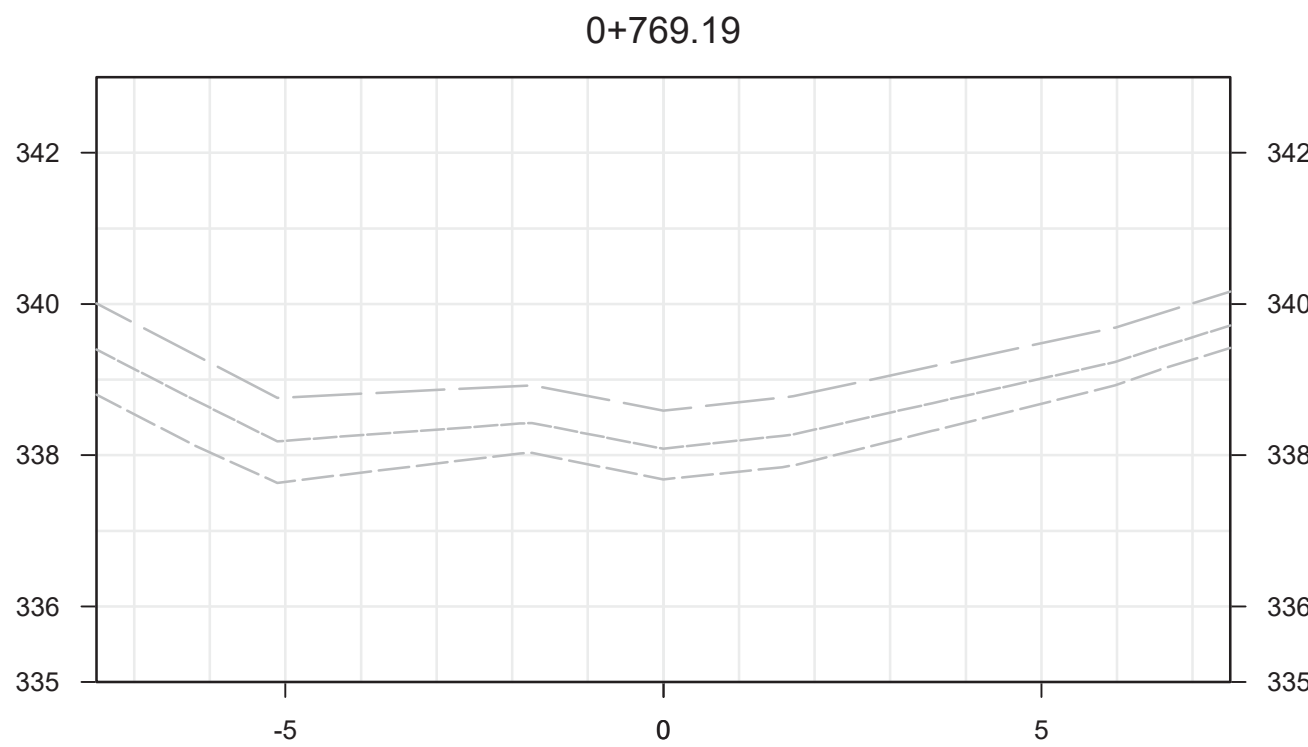
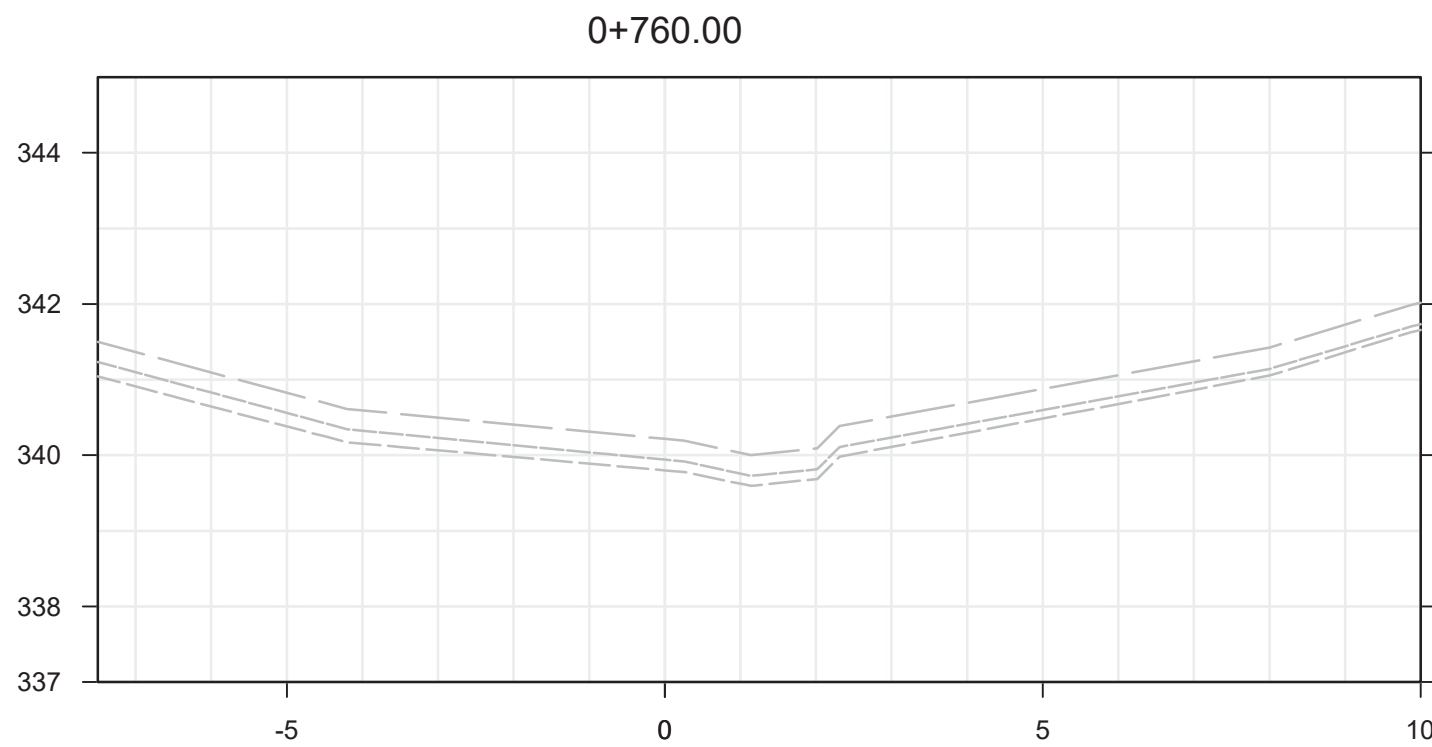
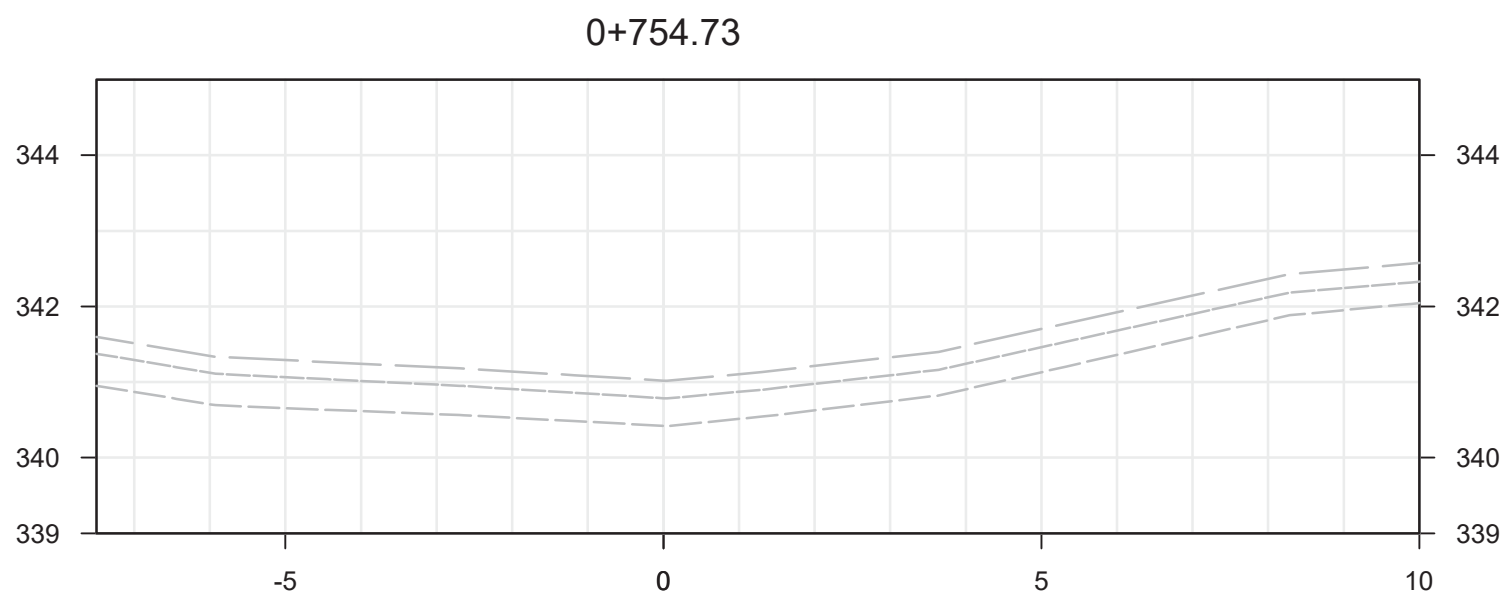
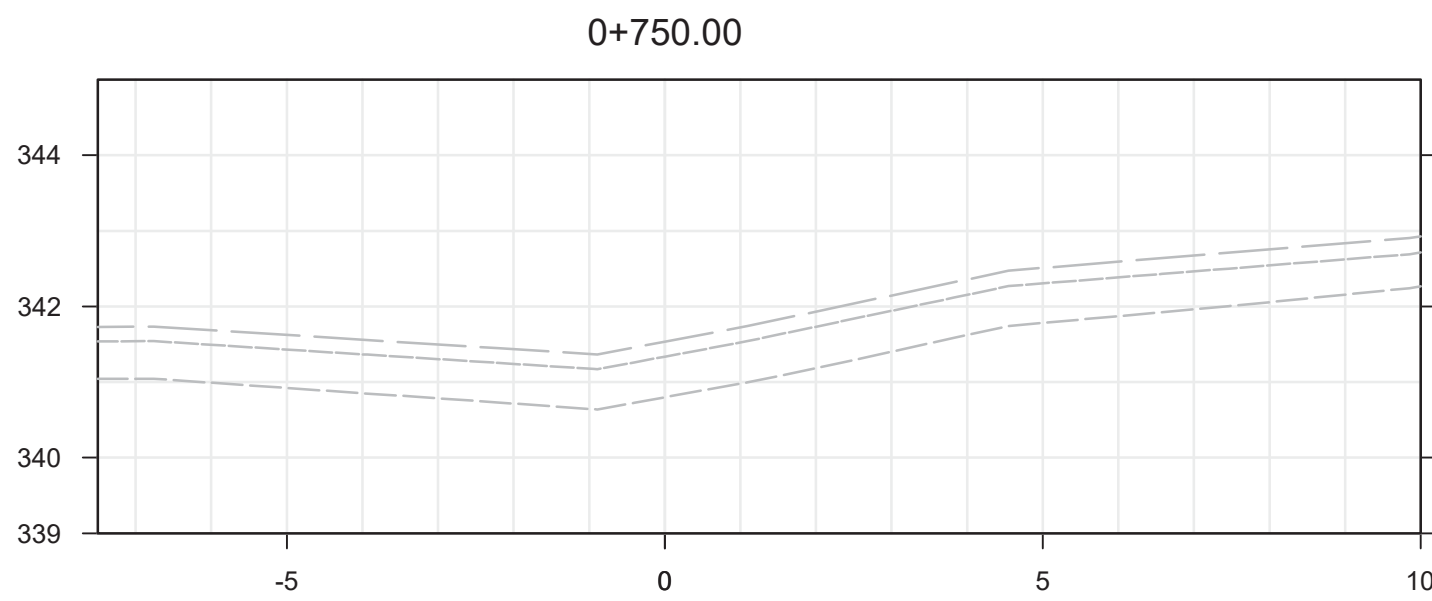
project manager
administrateur
de projets

project date
date du projet
2019/08

project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
508





4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
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project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
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CROSS SECTIONS

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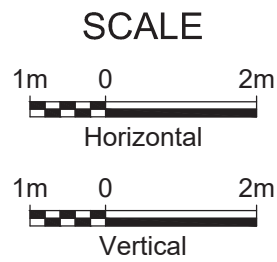
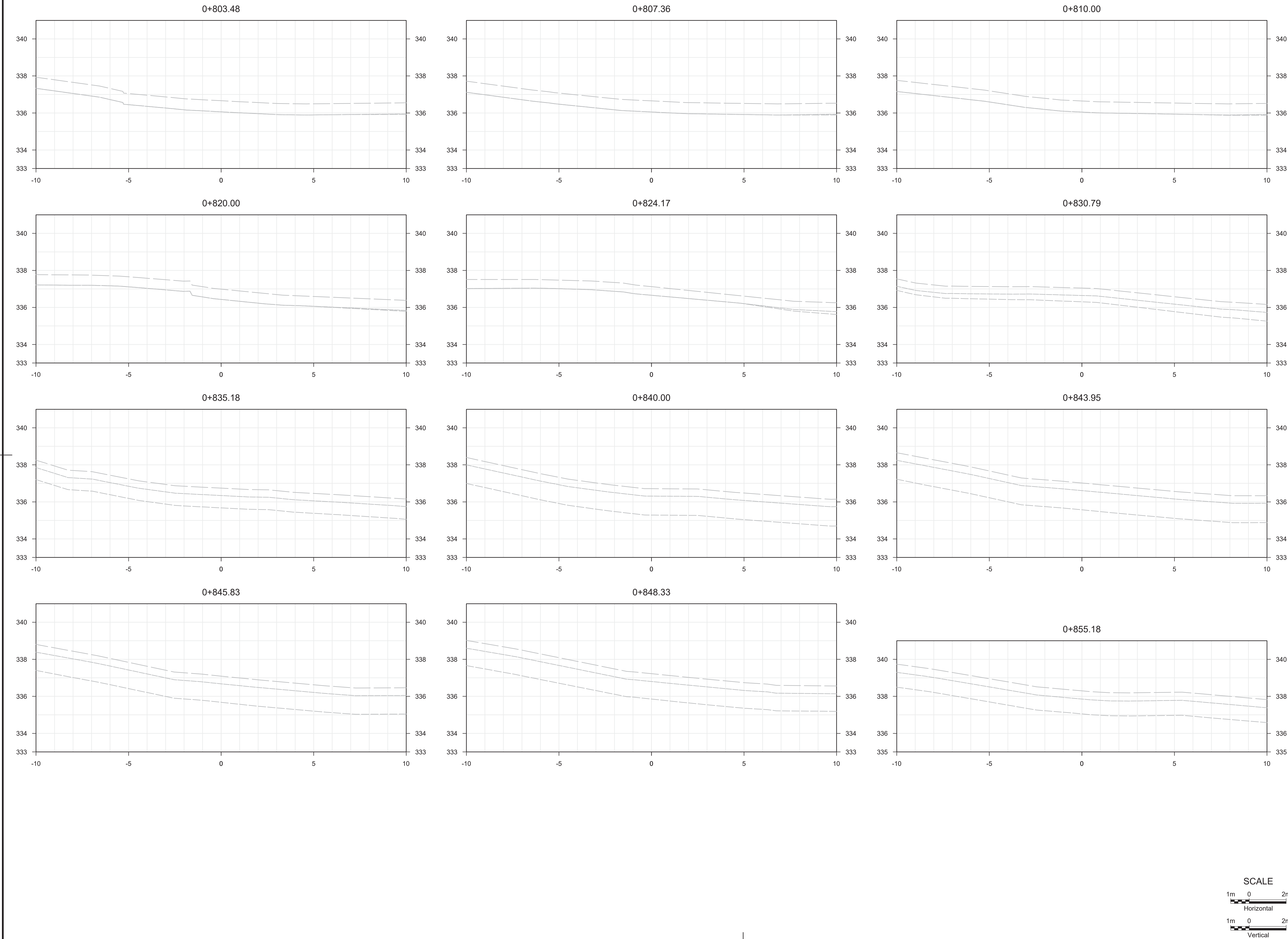
approved by
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tender
soumission
PIERRE GRAMBART project manager
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project date
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project no.
no. du projet
R.076951.170

drawing no.
dessiné no.
509



4	ISSUED FOR TENDER	2019/07/23
3	REVISED PER MITIGATION MEASURES	2019/03/28
2	FINAL SUBMISSION	2018/05/25
1	99% SUBMISSION	2018/02/12
0	50% SUBMISSION	2018/01/15
revision	description	date

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	C drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
MINDEN ONTARIO
PARKS CANADA AGENCY
TWP. OF ALGONQUIN HIGHLANDS
COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
titre du dessin
CROSS SECTIONS

drawn by
dessiné par **A.C.**

designed by
conçue par **A.C.**

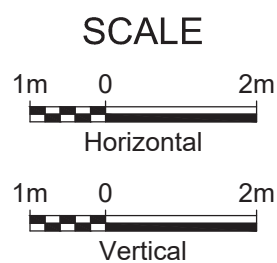
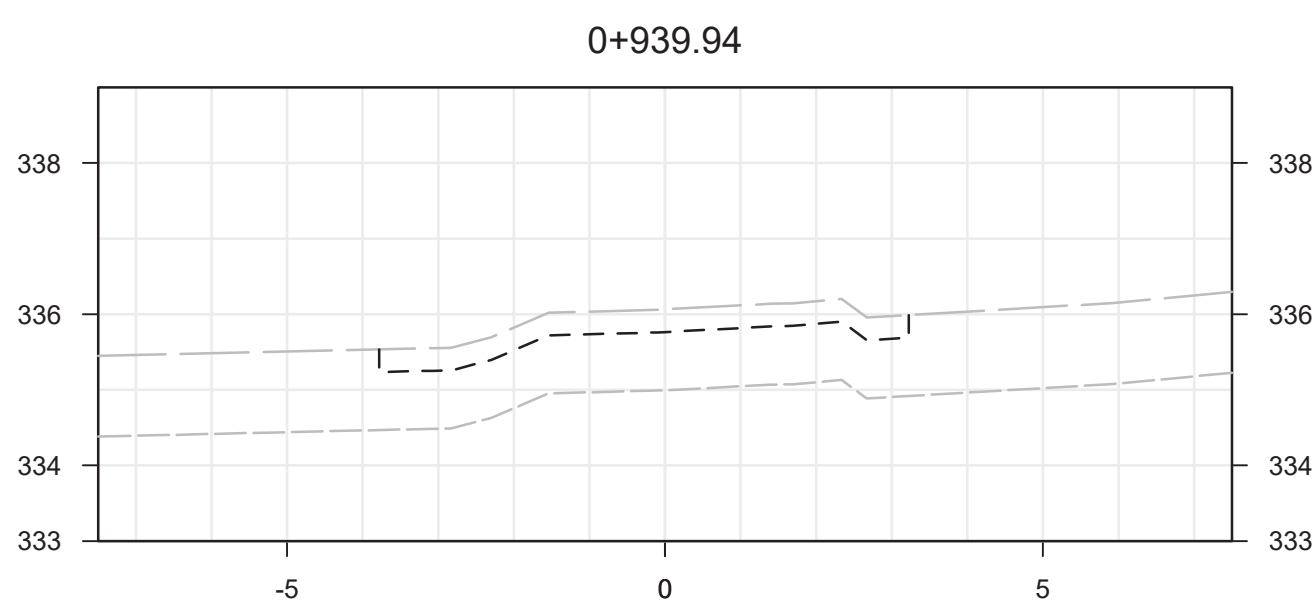
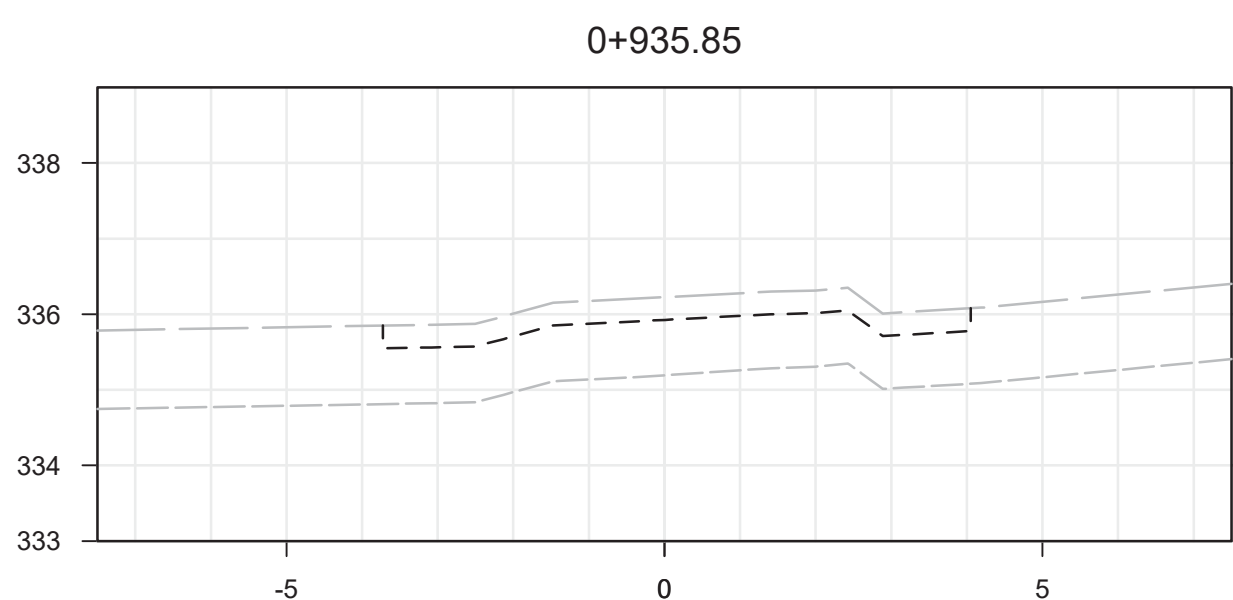
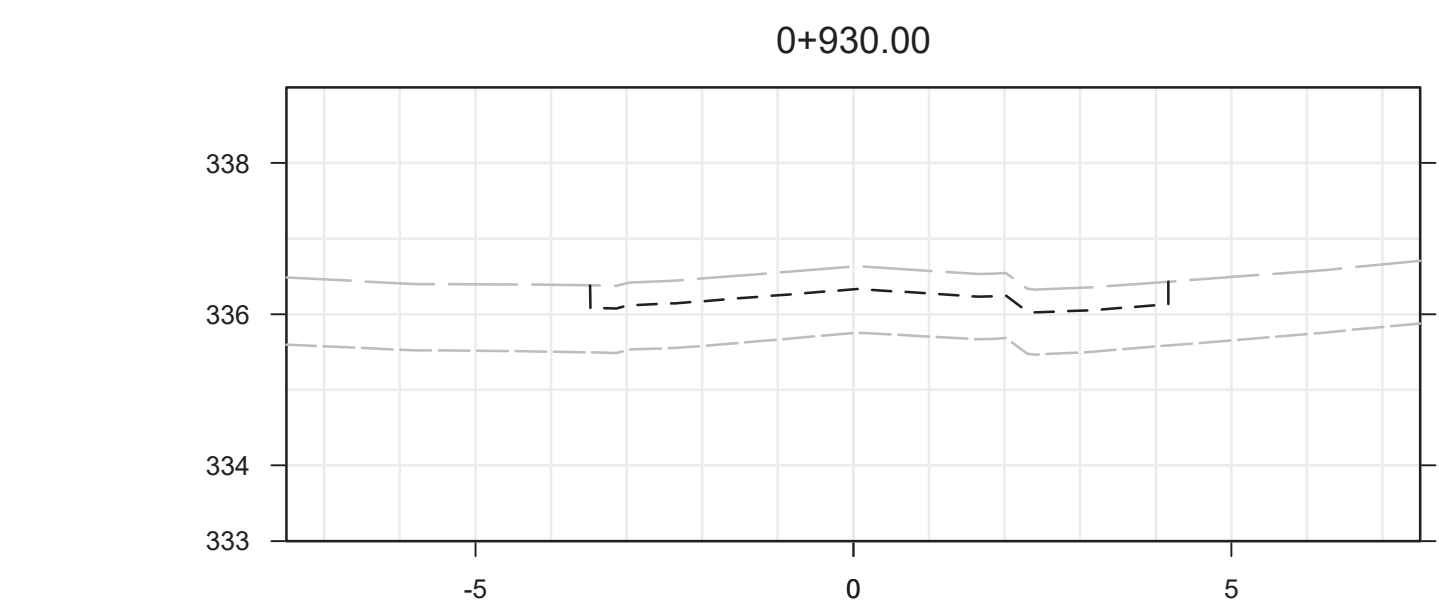
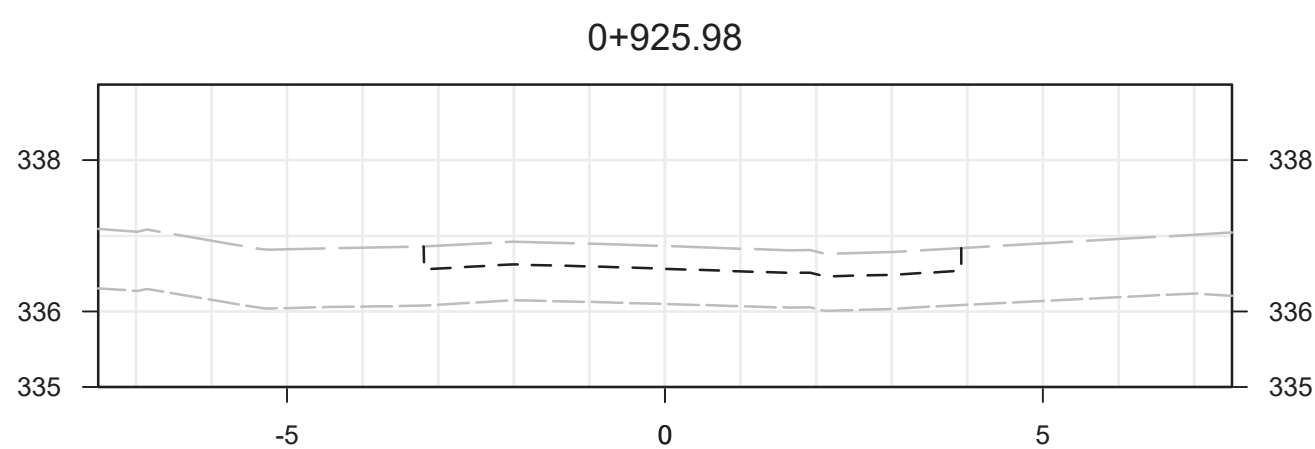
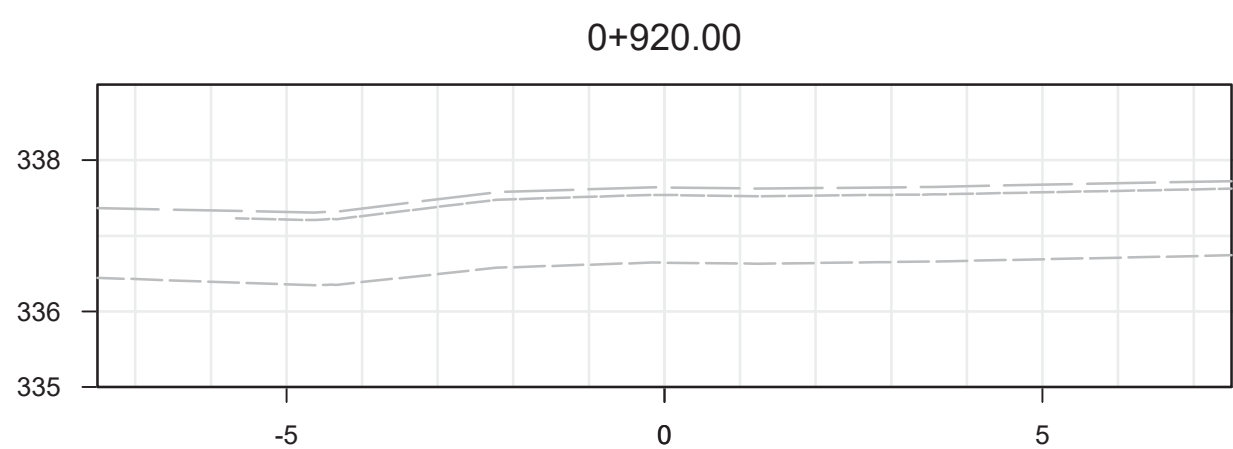
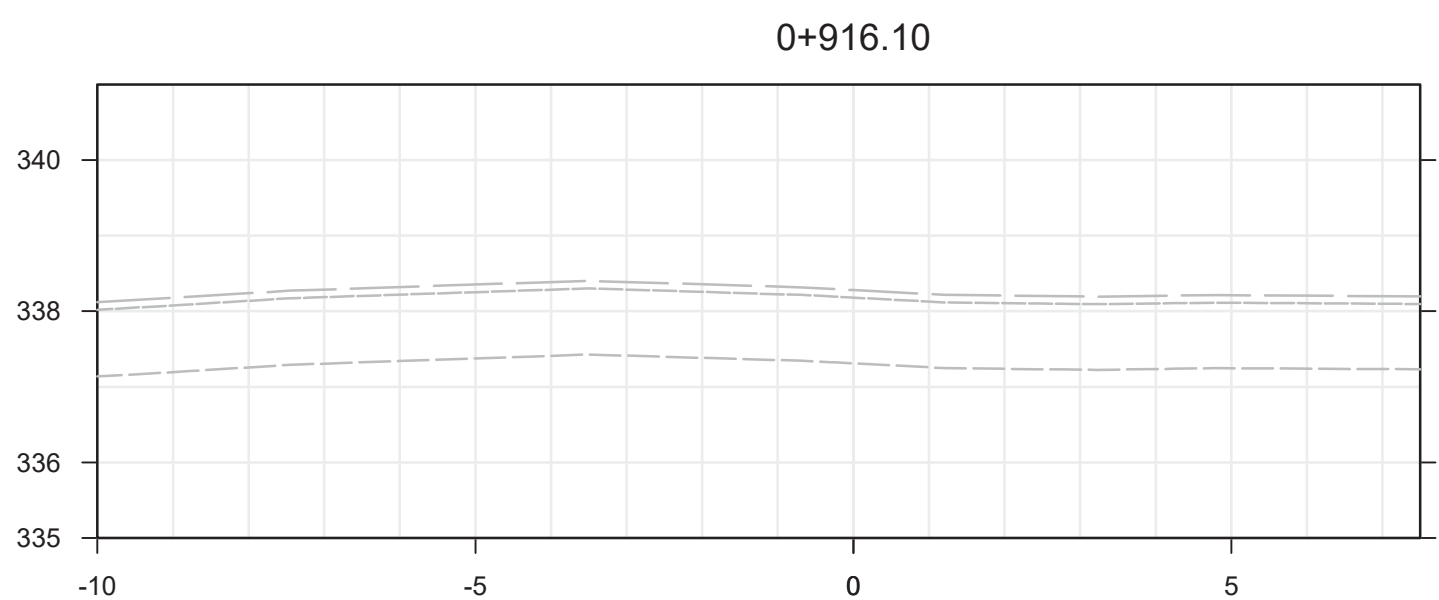
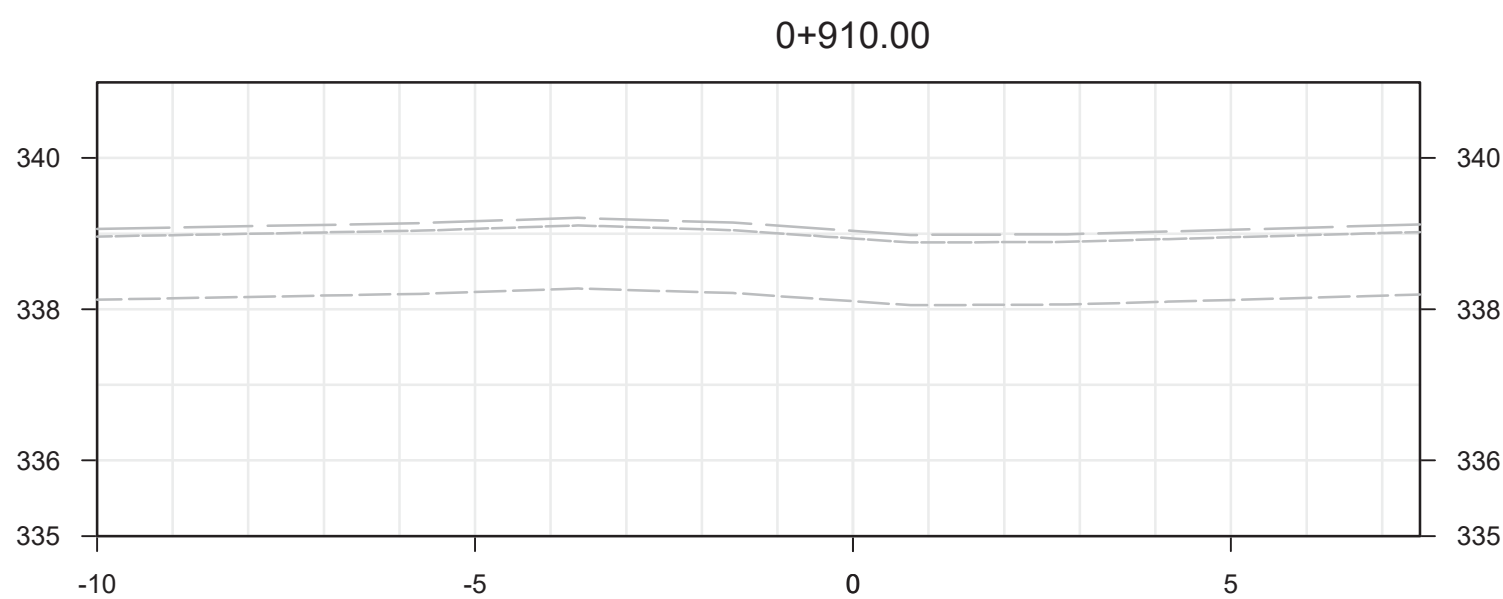
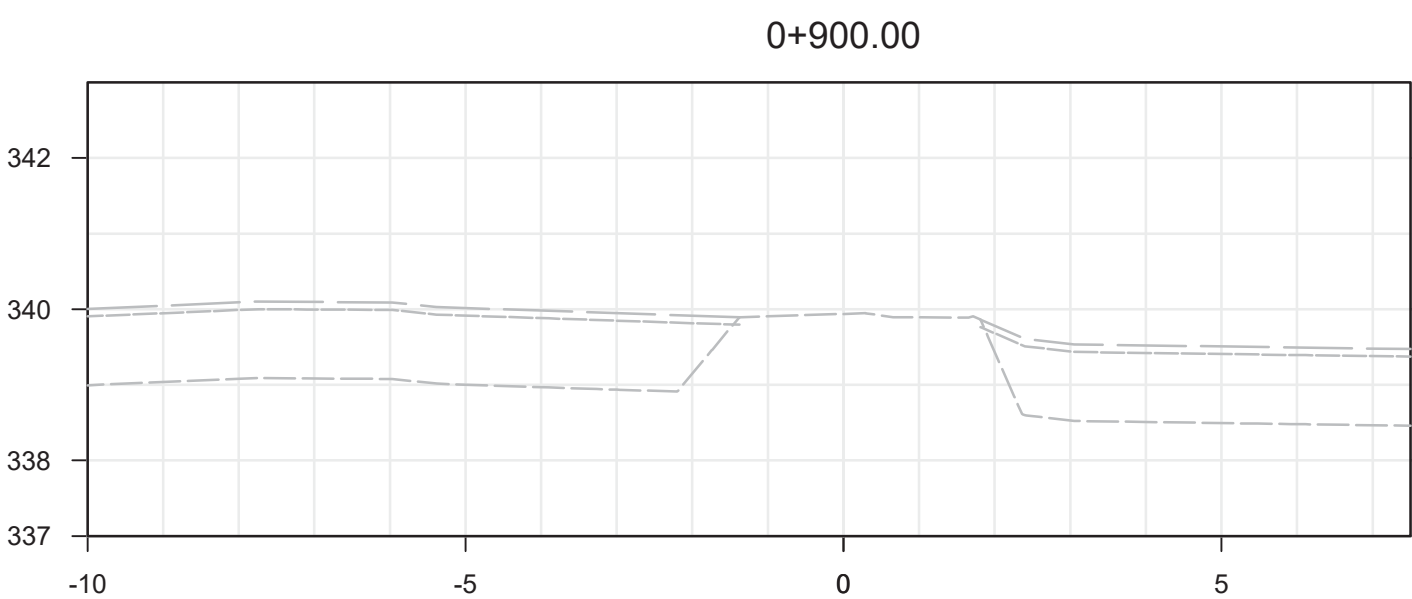
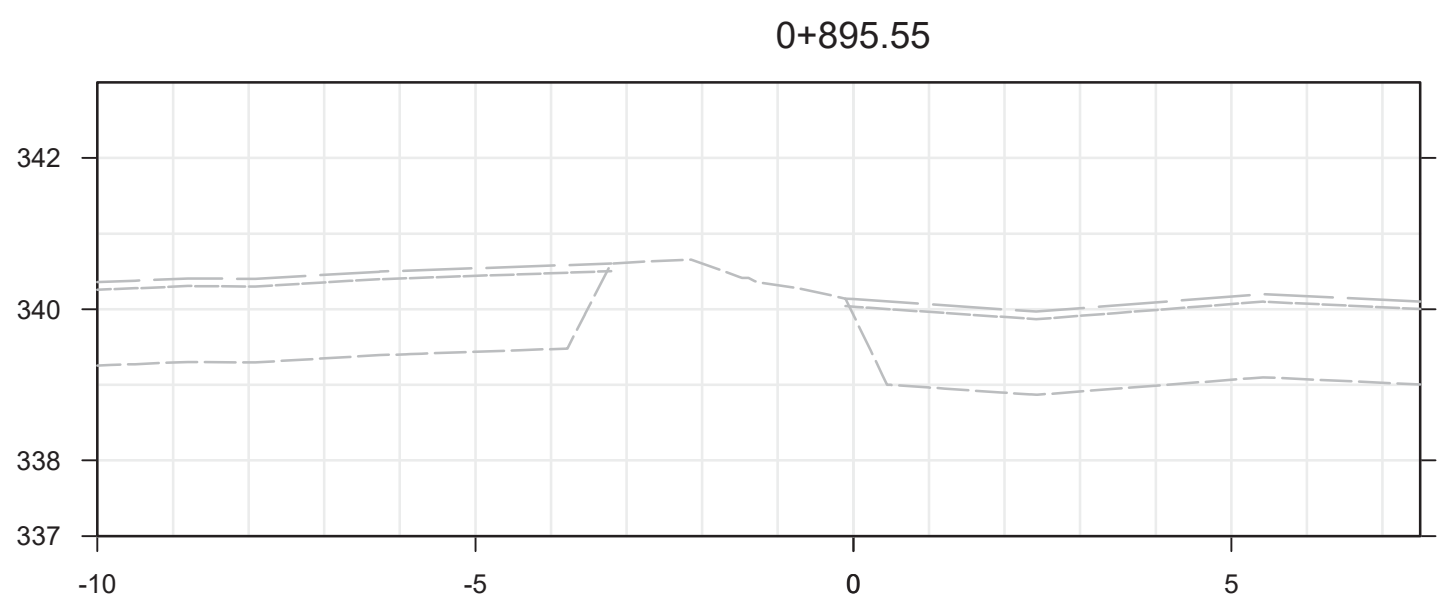
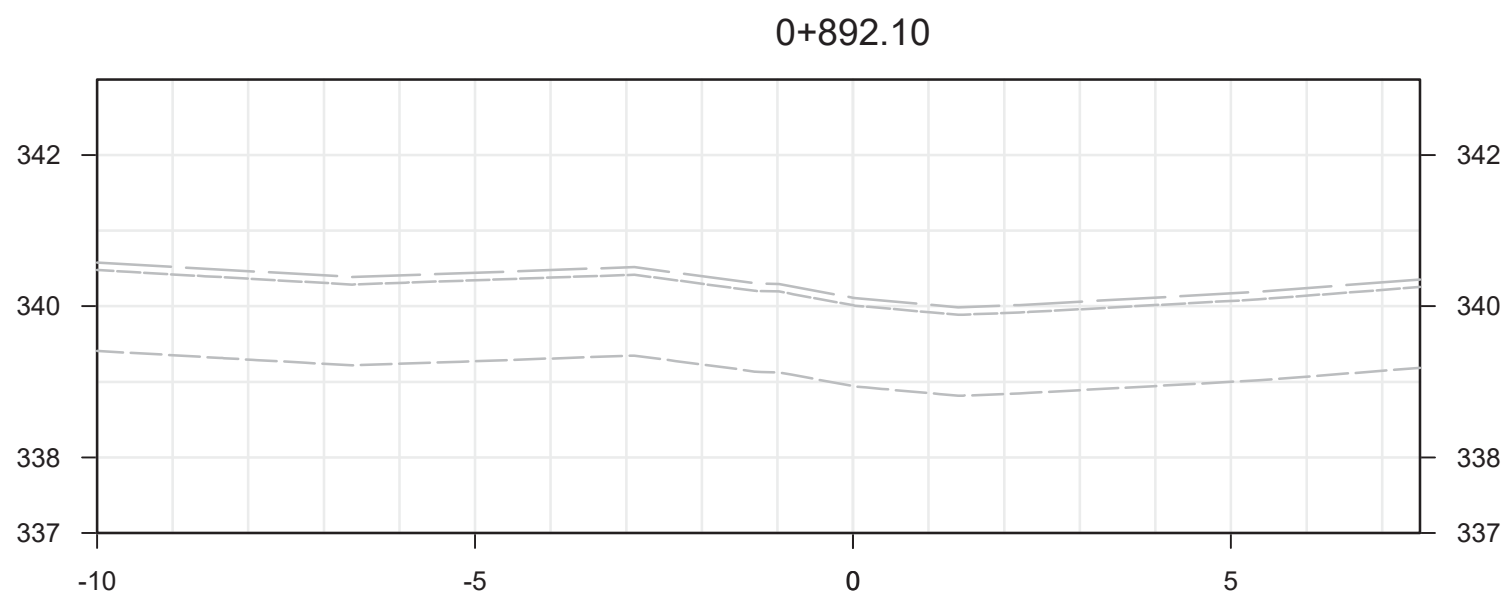
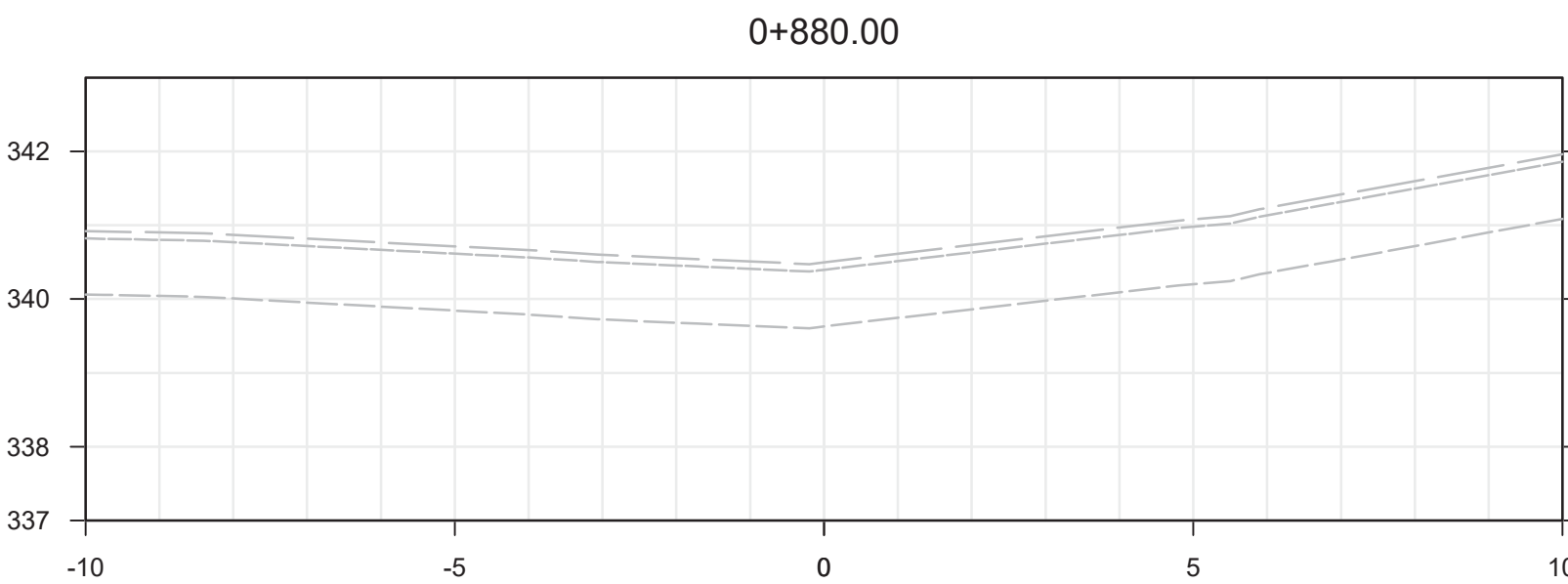
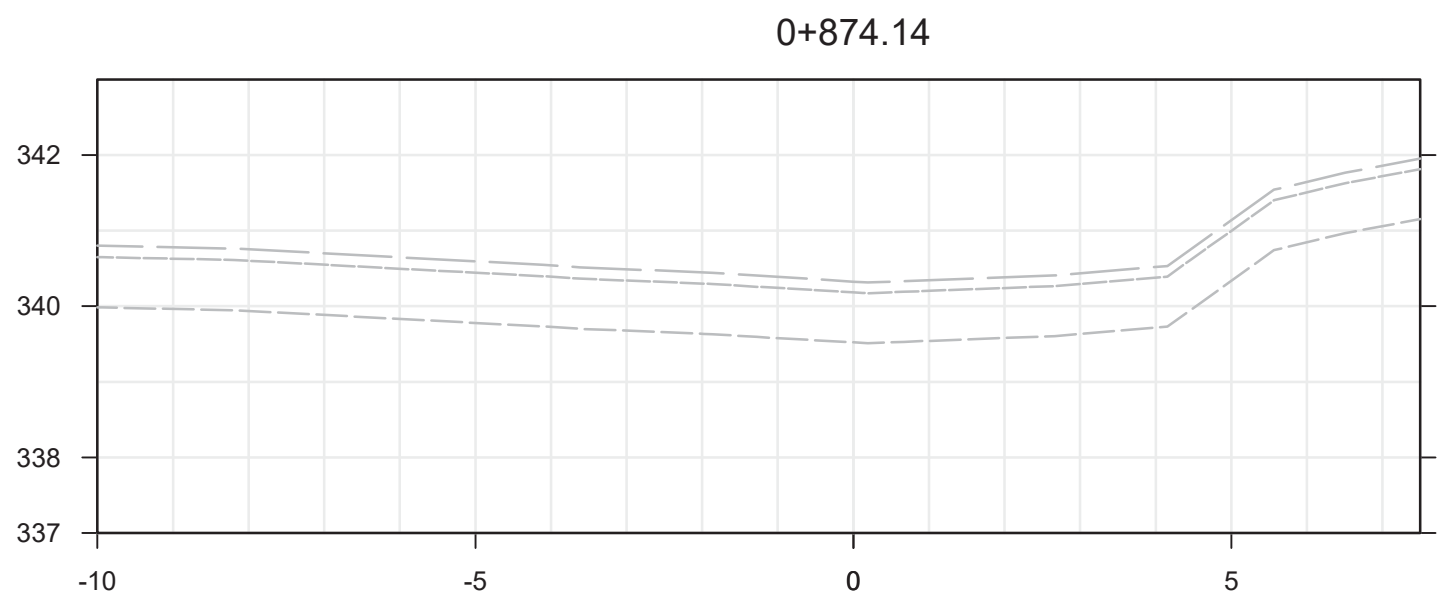
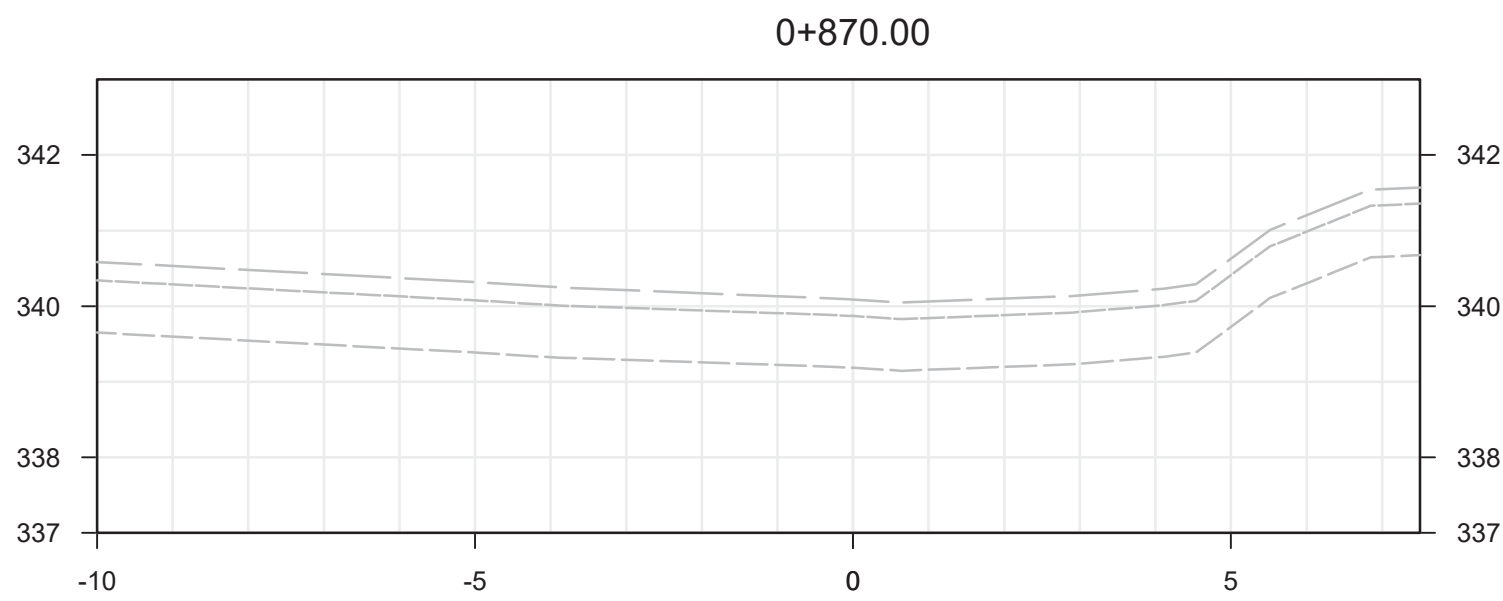
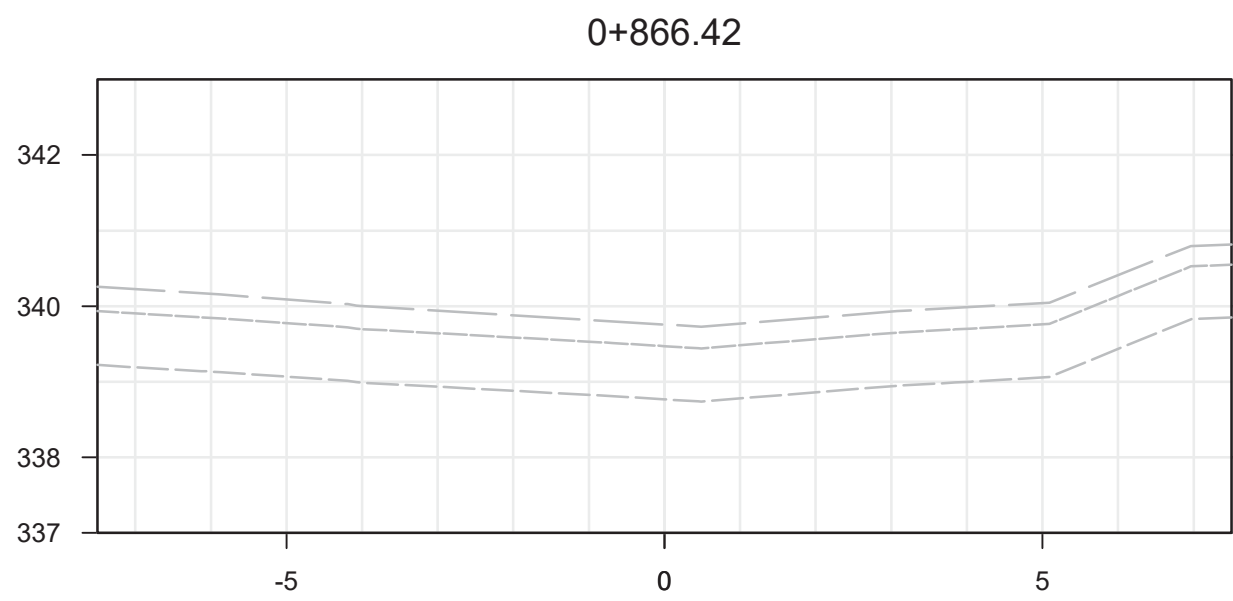
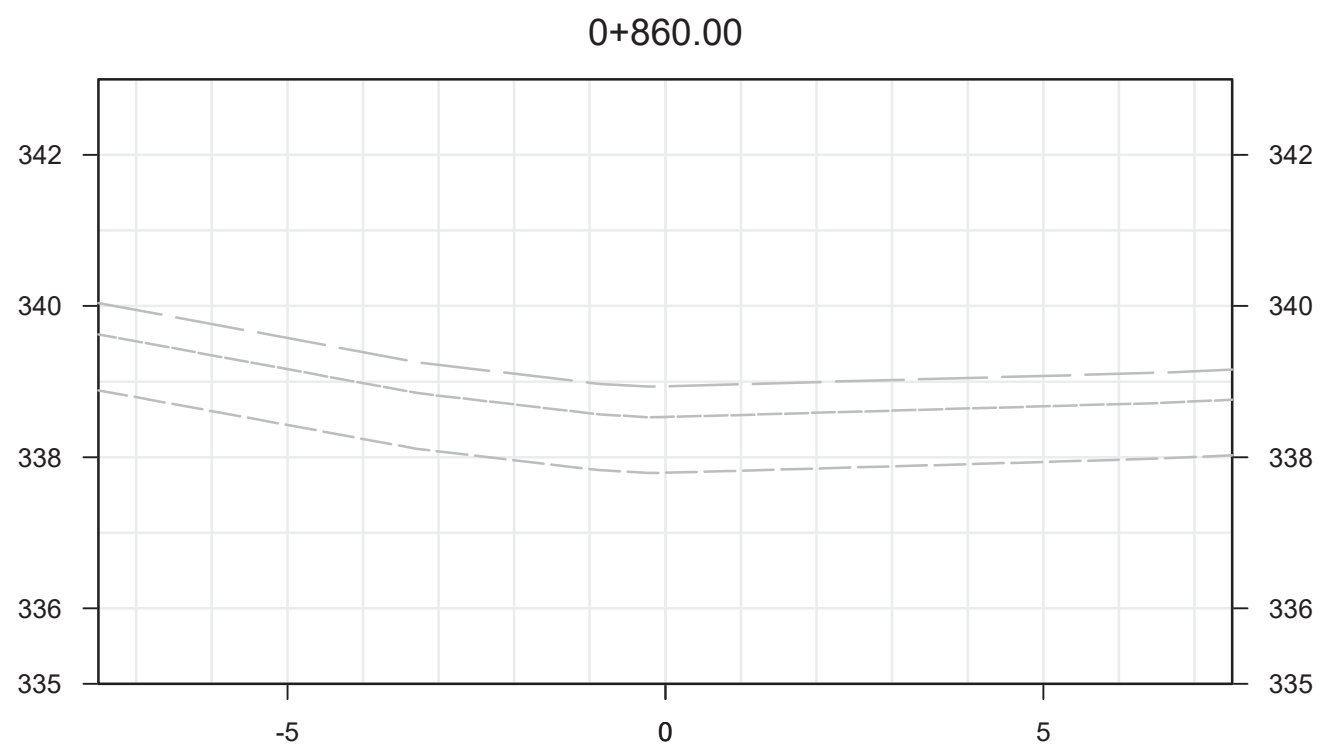
approved by
approuvé par **B.P.**

tender
soumission **PIERRE GRAMBART** project manager
administrateur de projets

project date
date du projet **2019/08**

project no.
no. du projet **R.076951.170**

drawing no.
dessiné no. **510**



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COUNTY OF HALIBURTON
**LITTLE BROTHER LAKE DAM
ACCESS ROAD**

drawing title
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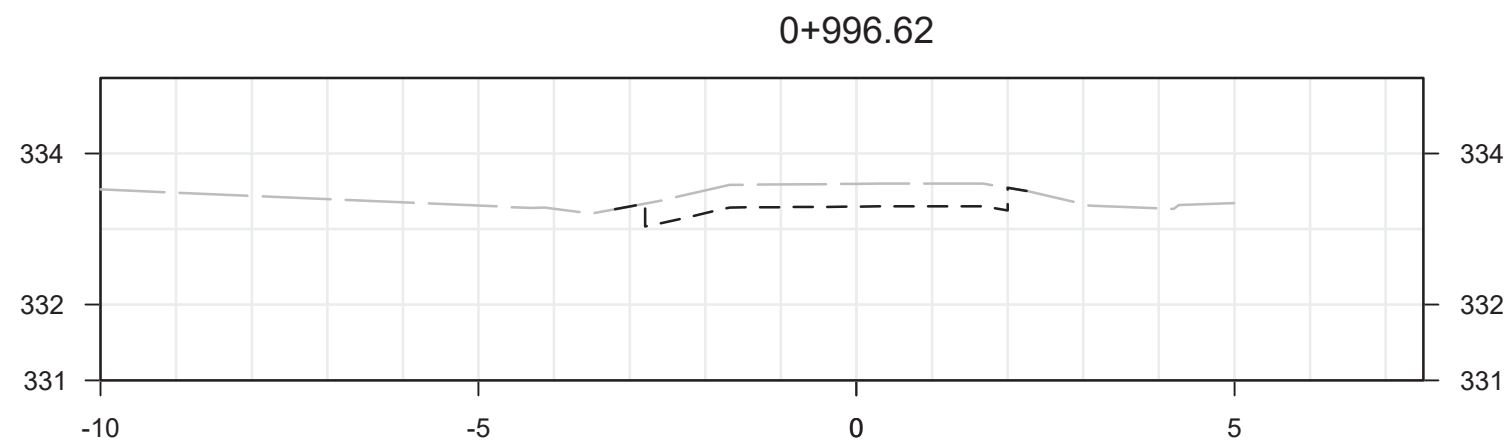
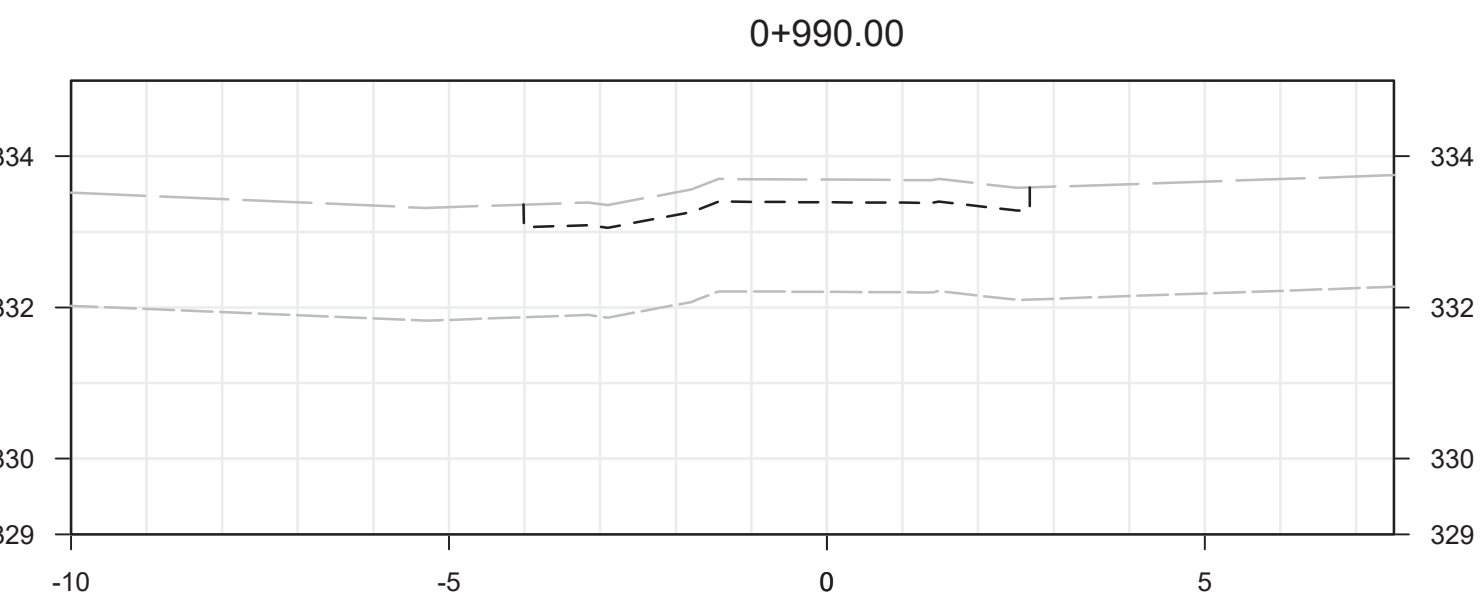
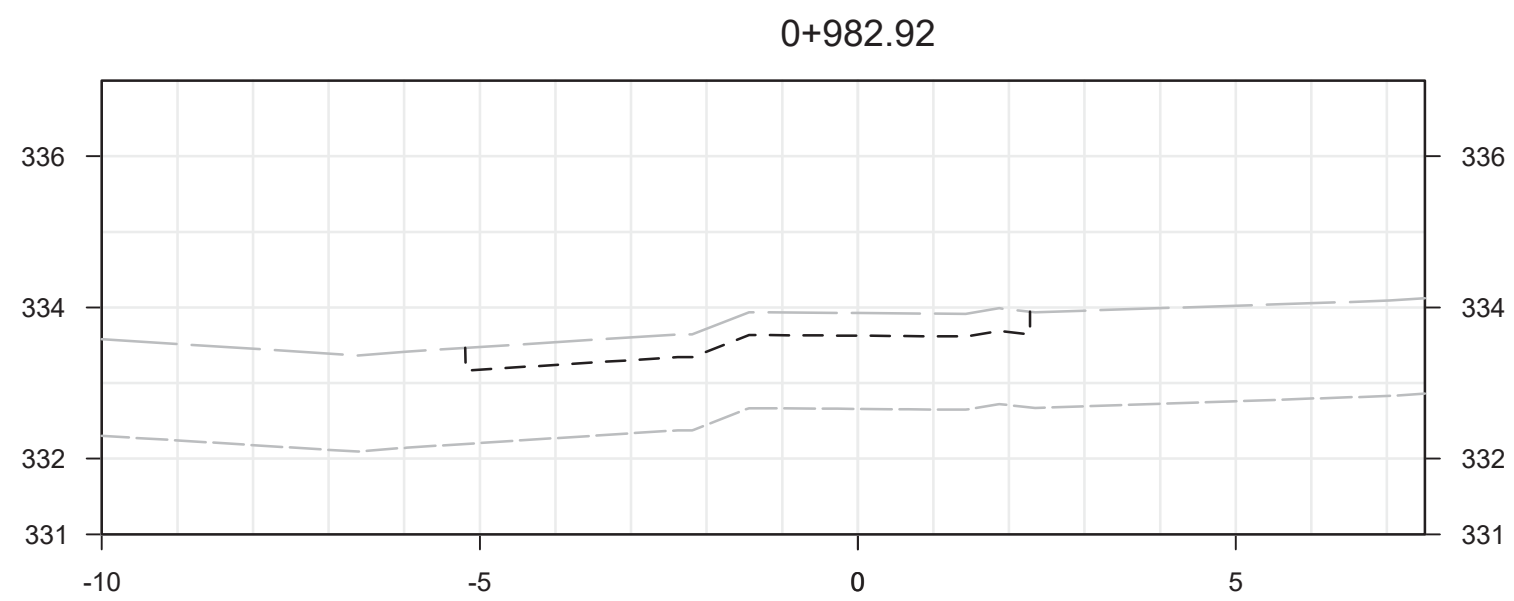
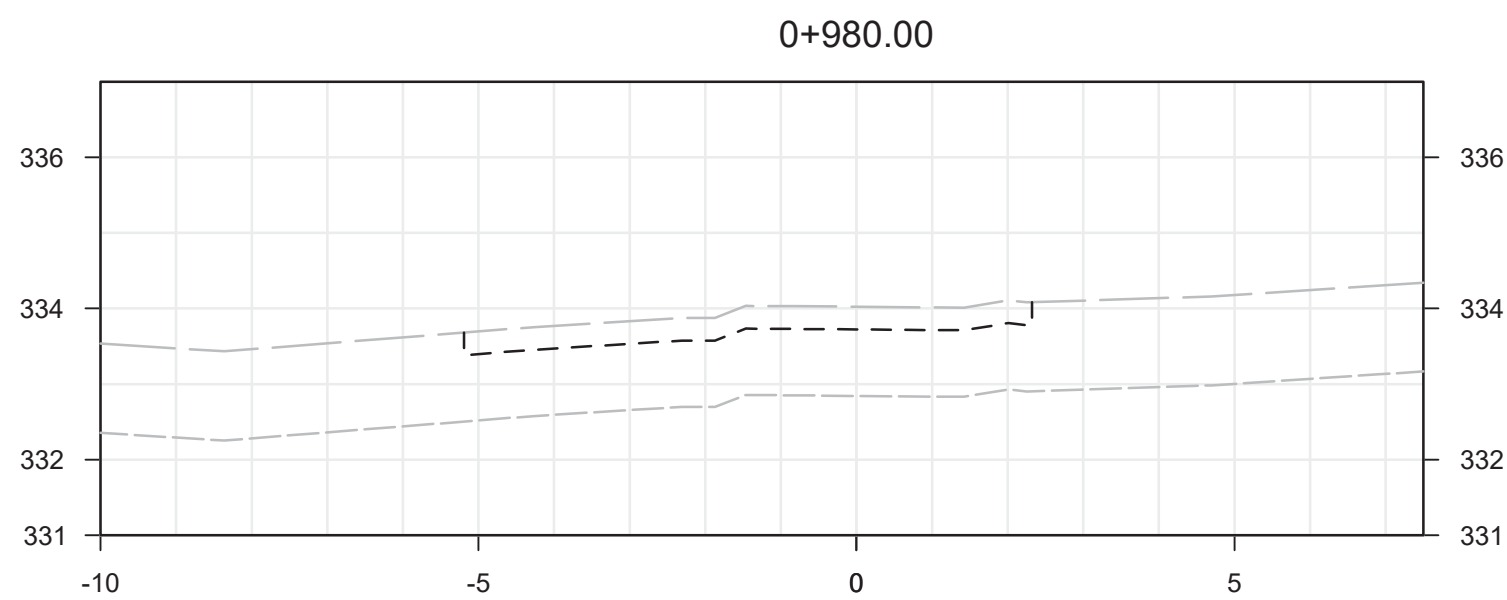
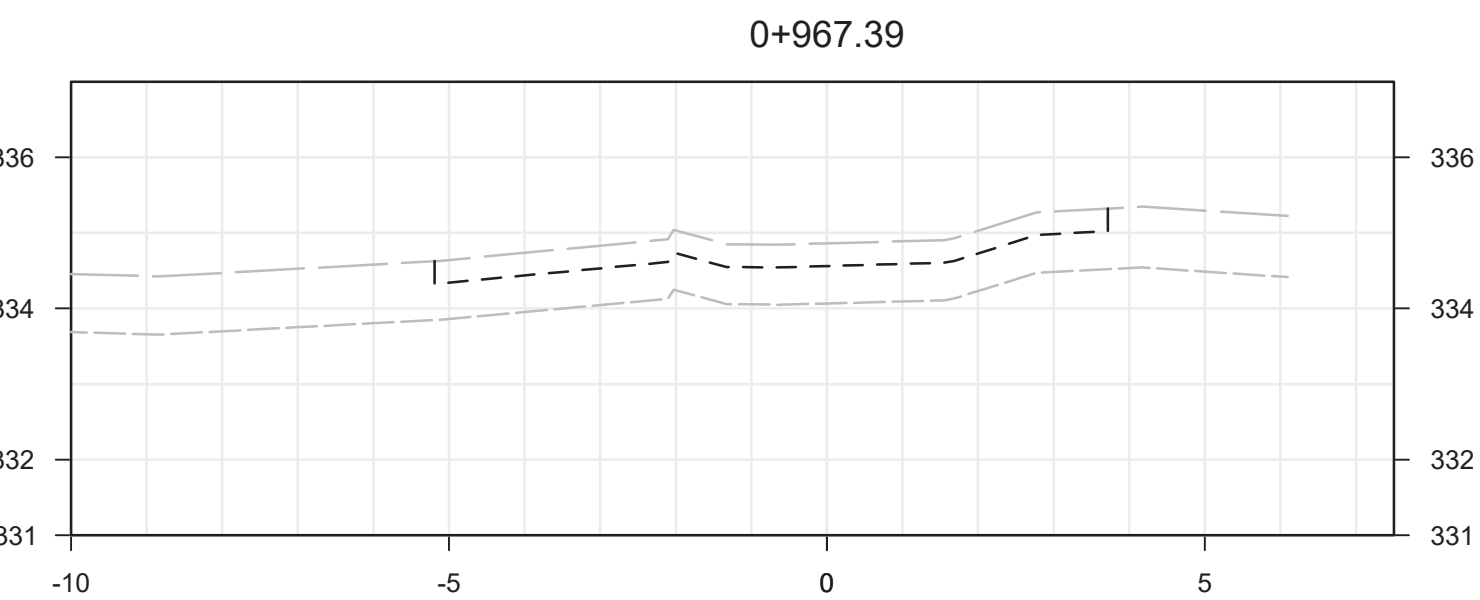
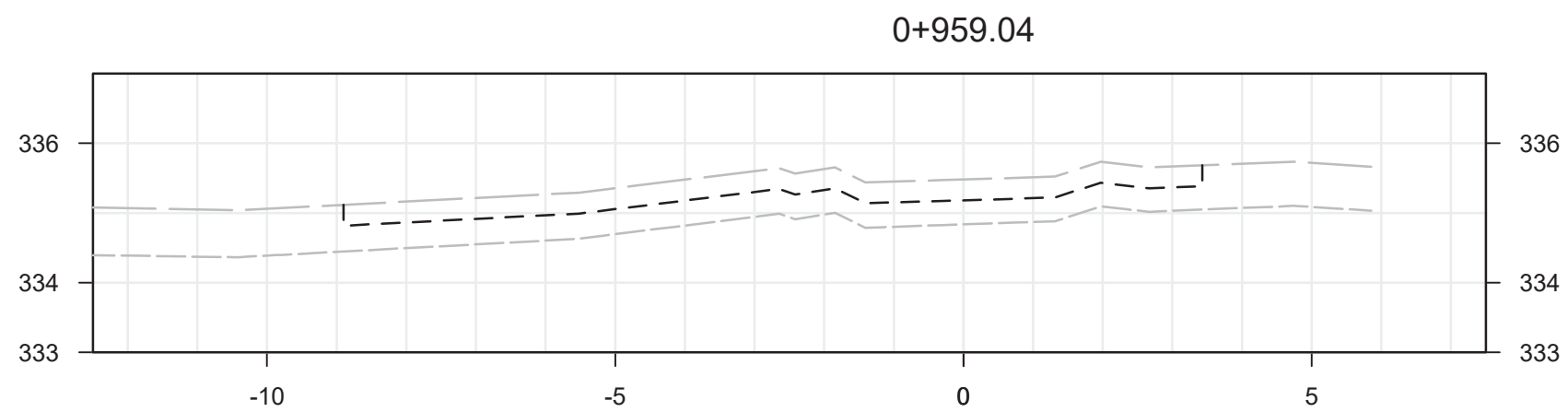
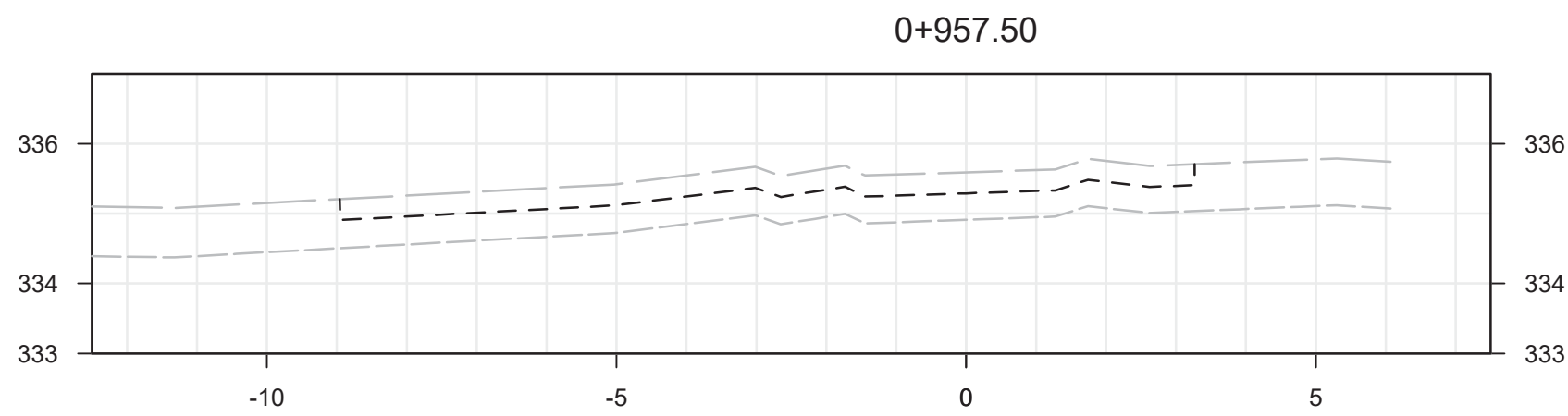
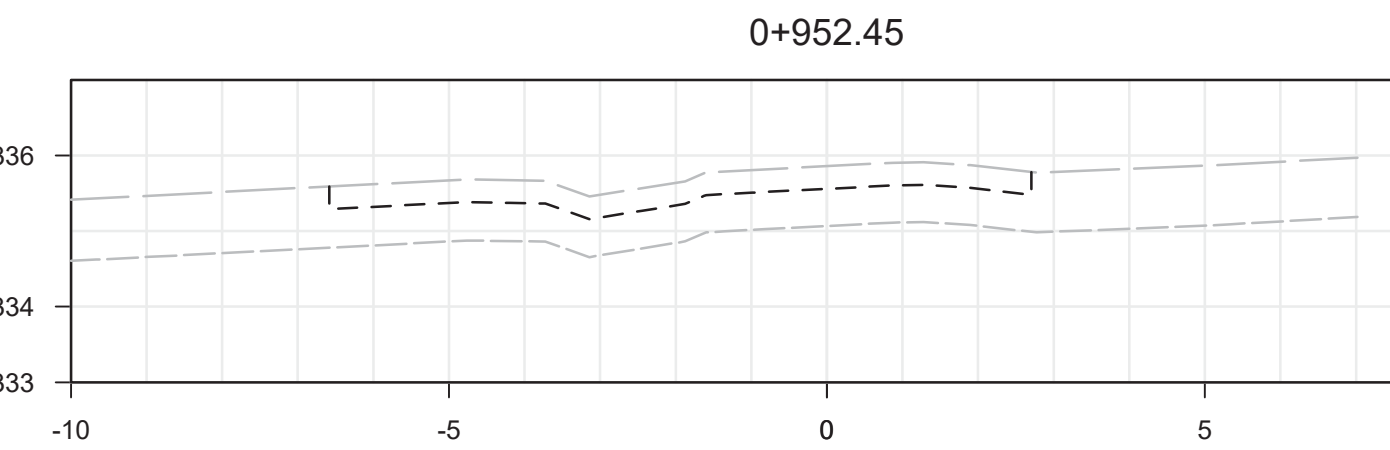
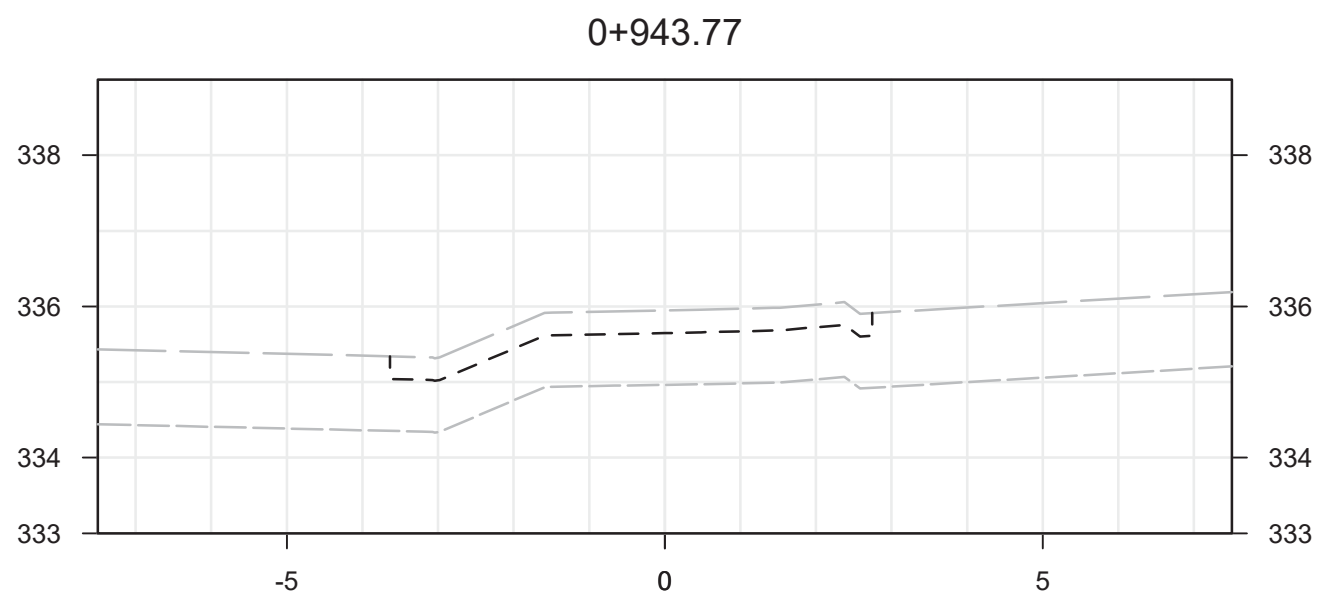
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project no.
no. du projet

R.076951.170

drawing no.
dessiné no.

511



Public Works and
Government Services Canada
Architectural and Engineering Services
Ontario Region

Travaux publics et
Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario



CONSULTING
ENGINEERS
PLANNERS



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