



DESIGN	LEGEND	EXISTING
	EDGE OF PAVEMENT	
	EDGE OF SHOULDER	
	TOP OF SLOPE	
	S - SEWER, W - WATER, D - DRAIN, T - TEL	
	F - FIRELINE, PHWS - HEATING WATER SUPPLY	
	L - LIGHTING, PHWR - HEATING WATER RETURN	
	G - GAS, H/T - HYDRO/TEL	
	C - COMMUNICATIONS	
	DMH #1 ● DMH - STORM MANHOLE, SMH - SAN. MANHOLE	
	CB #1 ○ CATCH BASIN - CB	
	LB #1 □ LAWN BASIN - LB	
	SPOT ELEVATION	
	FENCE LINE	
	FIRE HYDRANT	
	WATER VALVE	
	PAVEMENT RESTORATION AS PER DETAIL 2 (PER SHEET C1)	
	PAVEMENT RESTORATION AS PER DETAIL 1 (PER SHEET C1)	
	CRACKS TO BE REPAIRED	
	TIE-IN PER DETAIL ON SHEET C1	



33744  
PID 013-381-229  
SEC 34, TWN 17  
PART E 1/2' NW 1/4 OF SW 1/4

PROPOSED RESTORATION OF EXISTING PAVEMENT (TYP.)

PROPOSED CRACK SEALING OF EXISTING PAVEMENT (TYP.)

PROPOSED PARKING PULL OUT ADJACENT TO RECENTLY CONSTRUCTED GUARD TOWER 03

EXISTING ELECTRICAL TYPE 37 JUNCTION BOX TO BE AMENDED AS PER NOTES THIS SHEET

CONTRACTOR TO PROTECT EXISTING WETLAND ON EAST SIDE OF PERIMETER ROAD FROM CONTAMINATION, SILTATION AND DISTURBANCE AS PER RECOMMENDATIONS AND MITIGATION MEASURE OF THE ENVIRONMENTAL EFFECTS EVALUATION REPORT, PER KEYSTONE ENVIRONMENTAL LTD, NOVEMBER 2017. CONTRACTOR IS RESPONSIBLE FOR ALL ENVIRONMENTAL OPERATIONS SUCH AS FISH SALVAGES AND COSTS THEREOF.

PROPOSED RE-LOCATED STORM DRAINAGE DITCH ALONG WEST SIDE OF EAST SECTION OF PERIMETER ROAD

PROPOSED STORM DRAINAGE REVISIONS AND REPLACEMENTS ALONG EAST SIDE OF PERIMETER ROAD (TYP.). SEE SHEET C3 FOR DETAILS

AREAS OF RESTORATION AND WIDENING OF EXISTING PAVEMENT ARE IDENTIFIED. FOR CLARITY, ASPHALT OVERLAY AREAS AND PAVEMENT RAISING AREAS ARE NOT SHADED ON SHEETS C2-C6. REFER TO SHEET C7 FOR PLAN VIEW OF EXTENT OF UPPER COURSE AND OVERLAY.

**BEFORE YOU DIG**

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- MODIFICATIONS TO EXISTING TYPE 37 ELECTRICAL JUNCTION BOX**
1. LOCATION OF BOX IS SOUTH OF GUARD TOWER 03 AS INDICATED ON PLAN ABOVE
  2. REMOVE AND DISPOSE OF EXISTING COVER AND TOP SECTION OF BOX
  3. EXCAVATE AROUND LOWER PORTION OF BOX TO BELOW RIM OF REMAINING BOX
  4. INSTALL PRECAST CONCRETE HWY-RATED GRADE RISER RINGS ON CONTINUOUS ROW OF 150mm THICK PRECAST CONCRETE BRICKS WITH BOLT-DOWN HWY RATED COVER AND FRAME MARKED "ELECTRICITY", ADJUSTED TO PROPOSED FINAL GRADE ELEVATIONS
  5. DIAMETER OF GRADE RISER RINGS, FRAME AND COVER TO BE SUFFICIENT THAT BOTTOM RISER RING DOES NOT CONTACT EXISTING TYPE 37 BOX
  6. BACKFILL AND RESTORE AROUND NEW STRUCTURE AS PER ROAD RESTORATION DETAILS.

SCALE 1:750



Revision/Revision	Description/Description	Date/Date
3	REVISED PER GEOTECHNICAL COMMENTS RE-IFT	2017-12-11
2	REVISED PER CLIENT COMMENTS: IFT	2017-11-06
1	REVISED PER CLIENT COMMENTS RE-IFR	2017-10-19
0	ISSUED FOR REVIEW	2017-09-01

**CORRECTIONAL SERVICE CANADA**

Project title/Titre du projet  
8751 STAVE LAKE STREET  
MISSION, B.C.  
**MISSION INSTITUTION  
MEDIUM  
PERIMETER ROAD UPGRADES**

Consultant Signature Only  
DEPARTMENTAL REPRESENTATIVE LLP.  
Designed by/Concept par  
FID/ADV

Drawn by/Dessine par  
ADV  
PWSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG / PAUL RITHALER

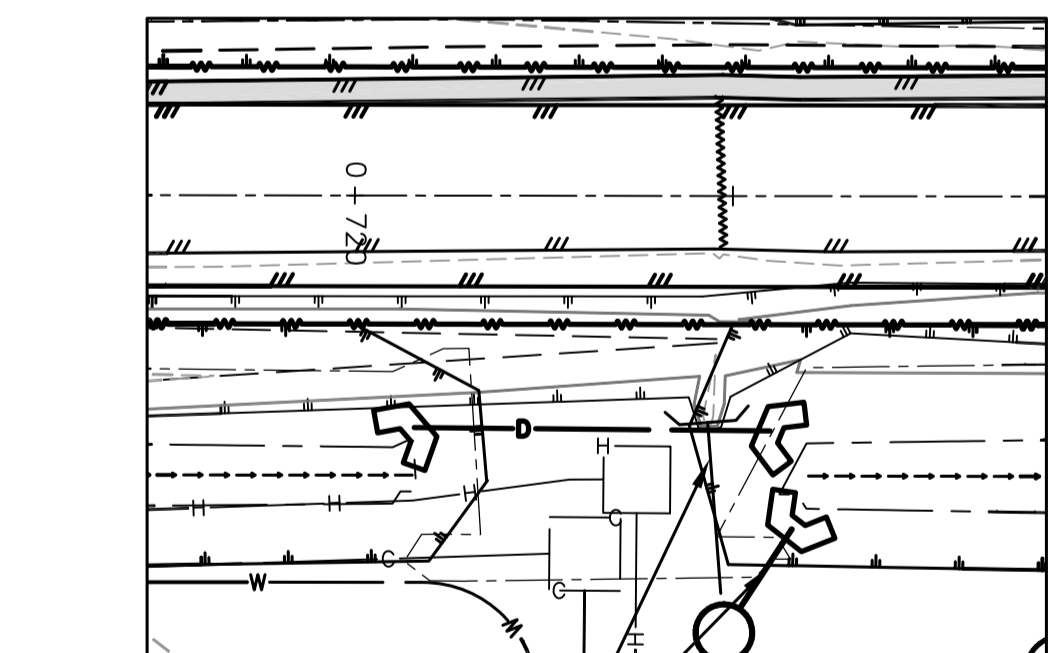
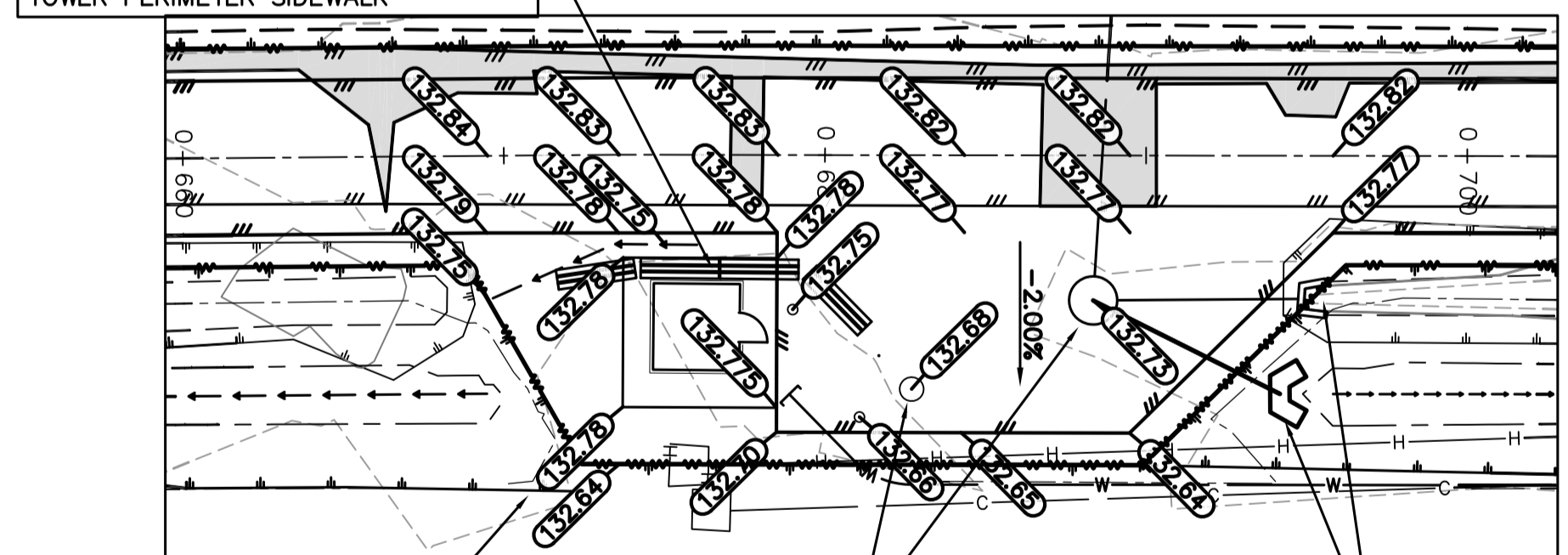
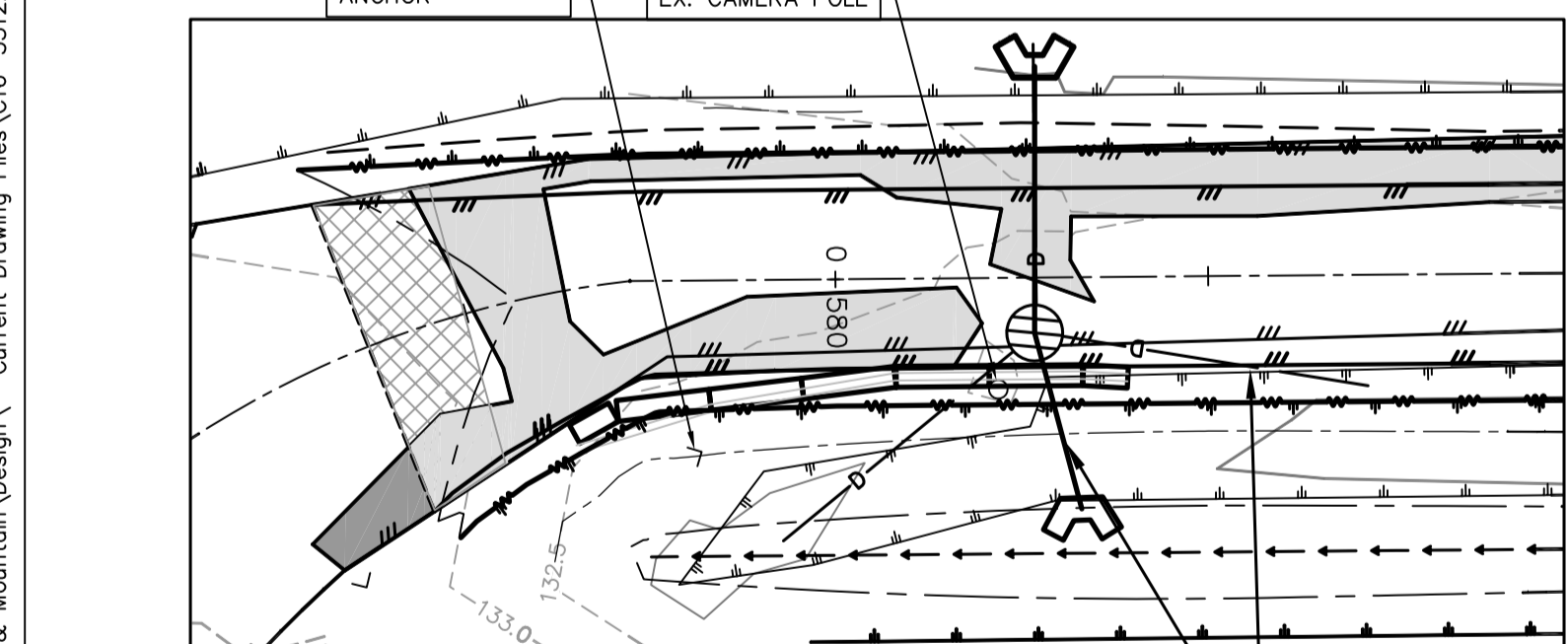
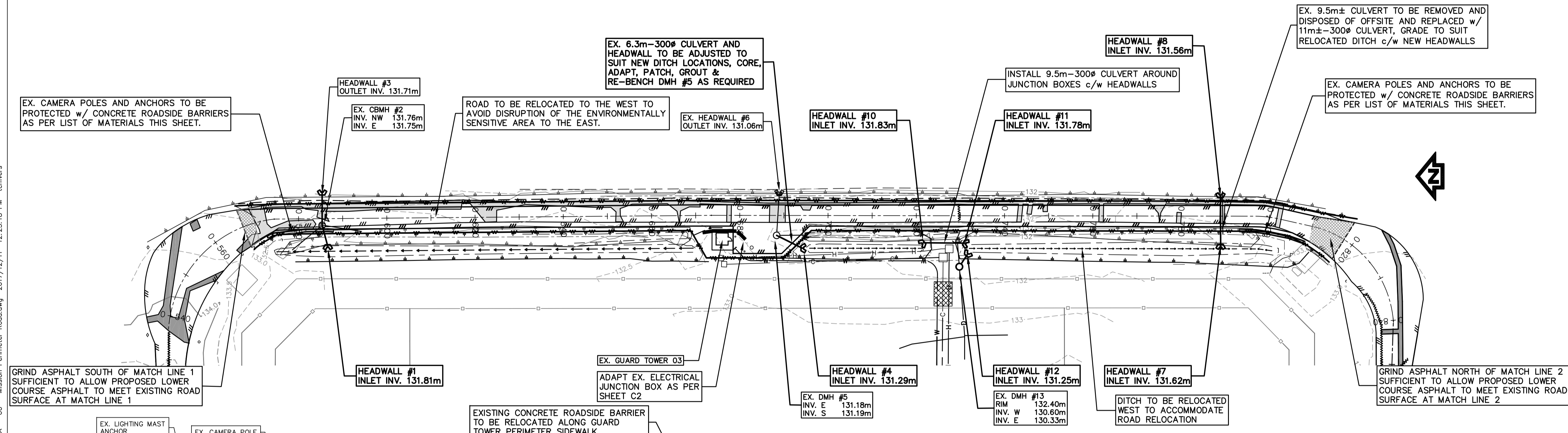
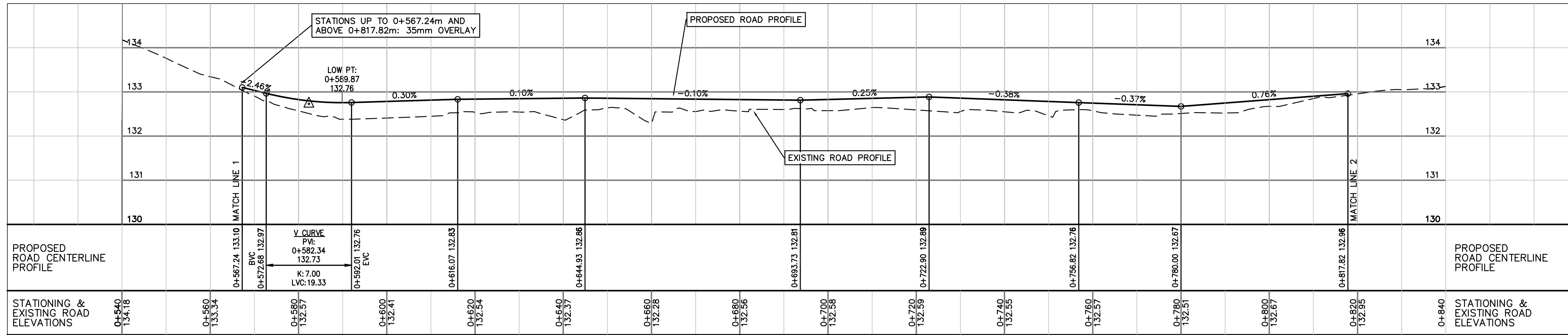
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin

**KEY PLAN  
PAVEMENT RESTORATION WORKS**

Project No./No. du projet <b>R.065485.001</b>	Sheet/Feuille <b>C2</b>	Revision no./La Révision no. <b>3</b>
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REMOVE EX. CULVERT AND DISPOSE OFFSITE (TYP.). REPLACE WITH 12m-300Ø CULVERT @ 0.5% MIN. c/w HEADWALLS AT INLET AND OUTLET EX. CBMH TO REMAIN. TIE IN NEW PIPES AND GROUT UP REDUNDANT PENETRATIONS

- DRAINAGE WORKS NOTES:**
- STORM DRAINAGE PIPES/CULVERTS TO BE PVC DR35.
  - HEADWALLS TO BE PRECAST CONCRETE TYPE 2.

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**CONCRETE ROADSIDE BARRIERS LIST OF MATERIALS**  
PRECAST REINFORCED CONCRETE BARRIERS CONFORMING TO THE BC MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE'S (MoTI'S) 2016 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SECTION 941(SP941).

460 mm PRECAST CONCRETE BULL-NOSE BARRIERS (CBN-H) TO BCMoTI SP941-01.01.01  
690 mm TO 460mm PRECAST CONCRETE TRANSITION BARRIERS (CTB-1E) TO BCMoTI SP941-01.01.01  
690 mm PRECAST CONCRETE ROADSIDE BARRIERS (CRB-H) TO BCMoTI SP941-01.02.01  
690 mm PRECAST CONCRETE ROADSIDE BARRIERS (CRB-E) TO BCMoTI SP941-01.02.02

BARRIERS TO BE ARRANGED IN THE FOLLOWING SEQUENCE:  
CBN-H, CTB-1E, CRB-H, CRB-E, CRB-H, CTB-1E, CBN-H

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F	F - FIRELINE, PHWS - HEATING WATER SUPPLY	F
L	L - LIGHTING, PHWR - HEATING WATER RETURN	L
G	G - GAS, H/T - HYDRO/TEL	G
C	C - COMMUNICATIONS	C
DMH #1	DMH - STORM MANHOLE, SMH - SAN. MANHOLE	DMH
CB #1	CATCH BASIN - CB	CB
LB #1	LAWN BASIN - LB	LB
SPOT	SPOT ELEVATION	SPOT
—	FENCE LINE	—
—	FIRE HYDRANT	—
—	WATER VALVE	—
—	PAVEMENT RESTORATION AS PER DETAIL 2 (PER SHEET C1)	—
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Drawn by/Dessine par  
ADV  
PWSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG / PAUL RITHALER  
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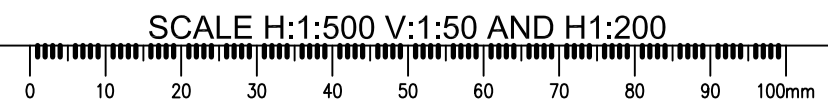
**ROADWORKS EAST  
PLAN AND PROFILE**

Project No./No. du projet  
**R.065485.001**

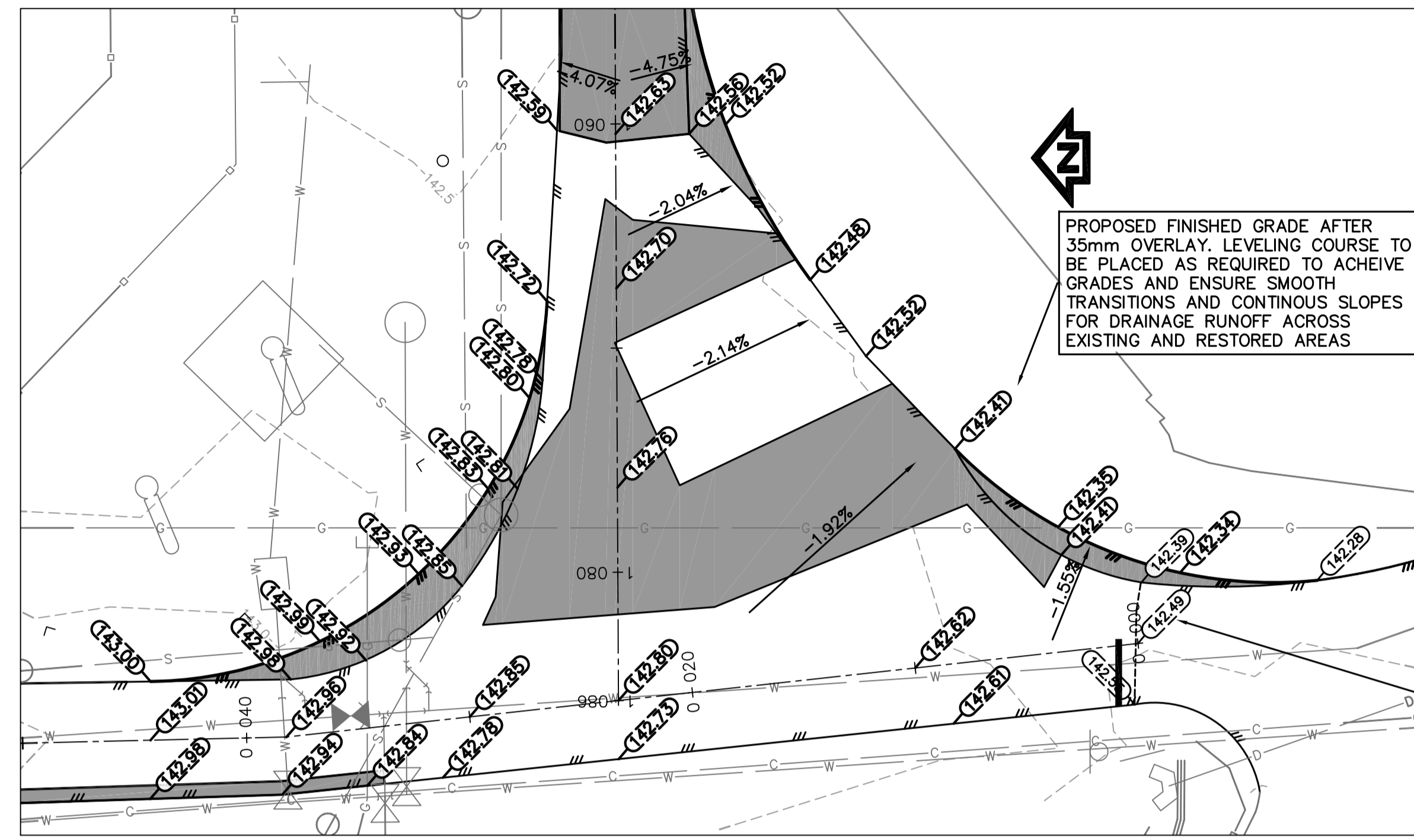
Sheet/Fauille  
**C3**

Revision no./  
La Révision no.  
**3**

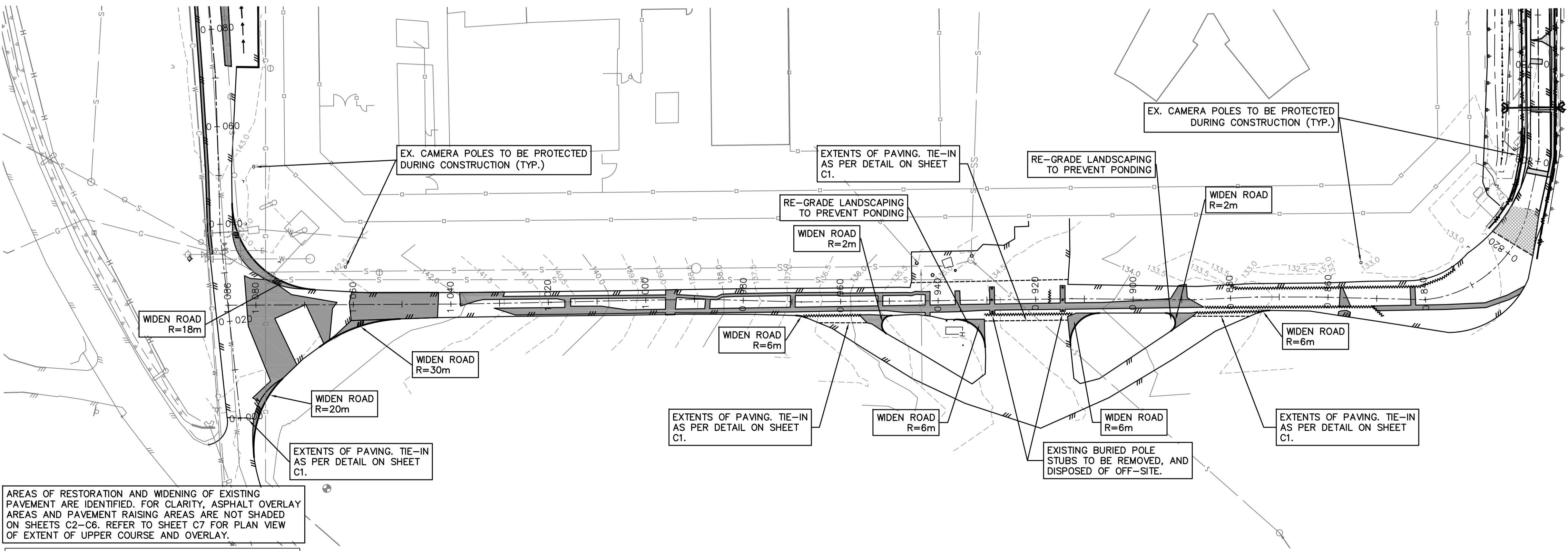
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	DMH #1 - DMH - STORM MANHOLE, SMH - SAN. MANHOLE	DMH
	CB #1 - CATCH BASIN - CB	CB
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	SPOT ELEVATION	
	FENCE LINE	
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	WATER VALVE	
	PAVEMENT RESTOARTION AS PER DETAIL 2 (PER SHEET C1)	
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SOUTH-WEST INTERSECTION DETAIL  
1:200

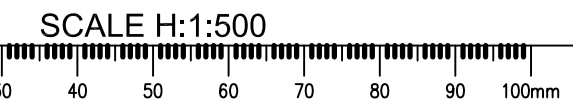


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NOTE:  
AT ALL ROAD WIDENING LOCATIONS, GRADE TO ENSURE SMOOTH TRANSITIONS AND CONTINUOUS SLOPES FOR DRAINAGE RUNOFF.



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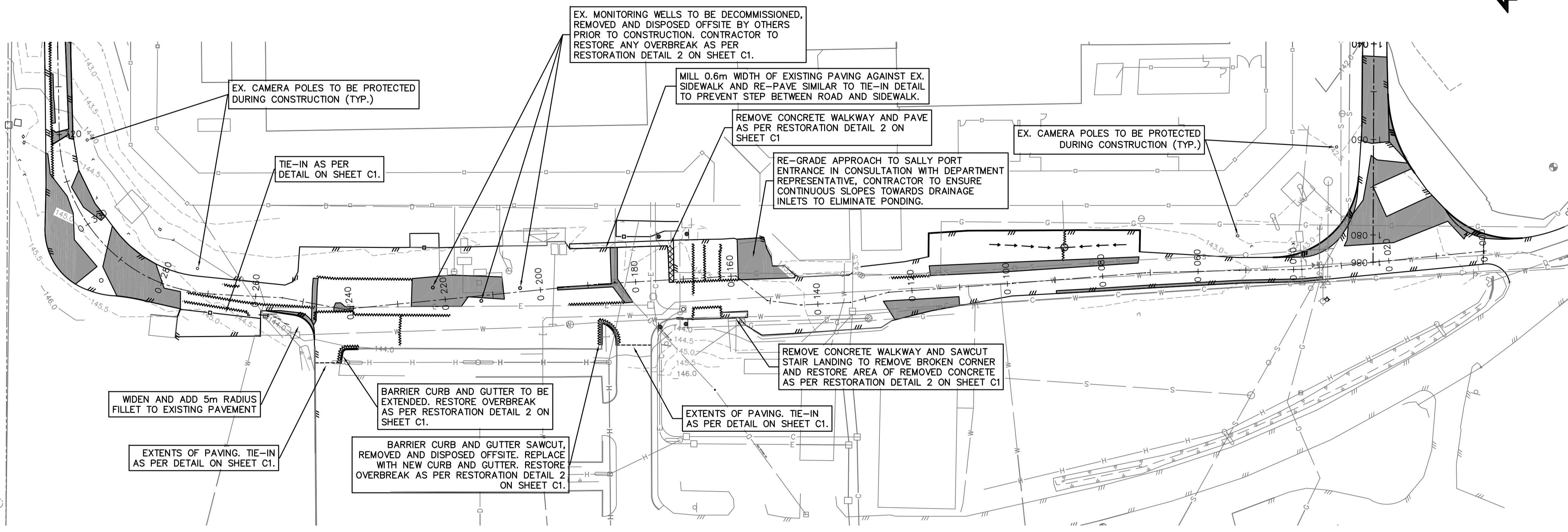
**ROADWORKS SOUTH**

Project No./No. du projet <b>R.065485.001</b>	Sheet/Fauille <b>C4</b>	Revision no./ La Révision no. <b>3</b>
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	TIE-IN PER DETAIL ON SHEET C1	

NOTE:  
EXISTING SPEED BUMPS TO BE REMOVED. ALLOW FOR TWO SPEED BUMPS EACH 10m (LONG)x0.5m(WIDE)x0.12m(HIGH). STEP MILL 50mm DEPTH. VERTICAL EDGES OF MILLED AREA MUST BE SAW CUT TO APPROPRIATE DEPTH. RE-PAVE WITH LOWER COURSE, TO MEET EXISTING SURROUNDING ELEVATIONS, PRIOR TO FINAL OVERLAY.

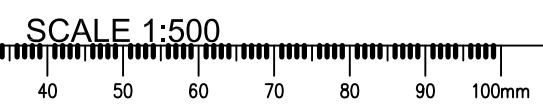


33744  
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PART E 1/2' NW  
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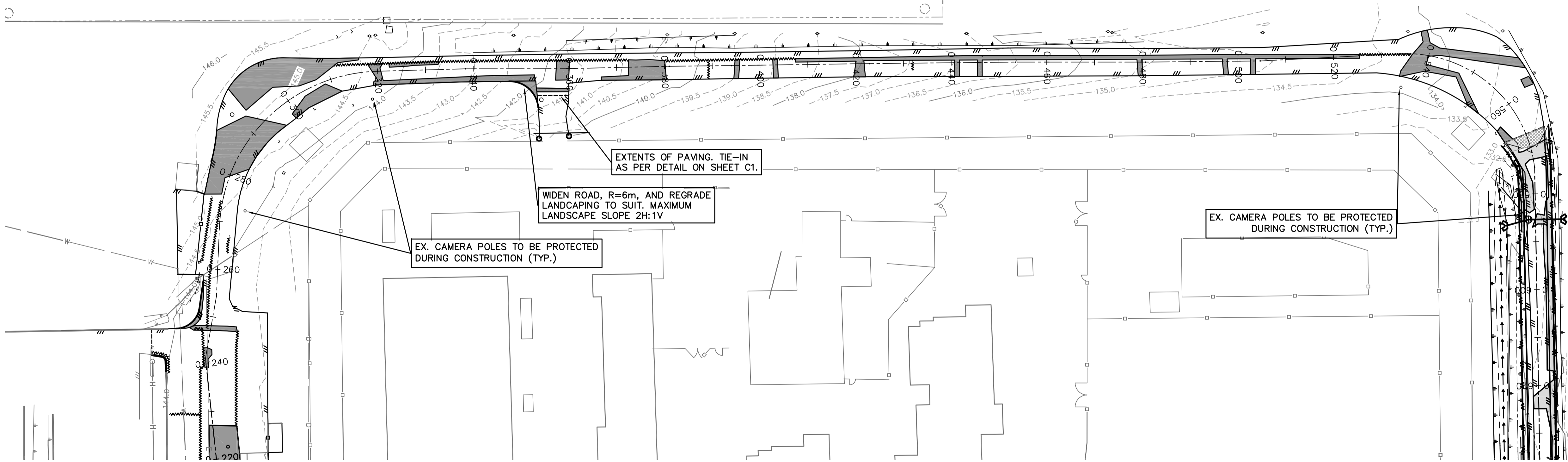
**ROADWORKS WEST**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.065485.001	C5	3

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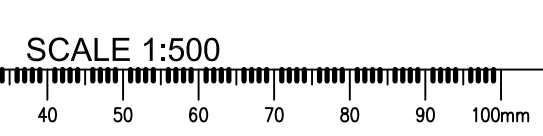
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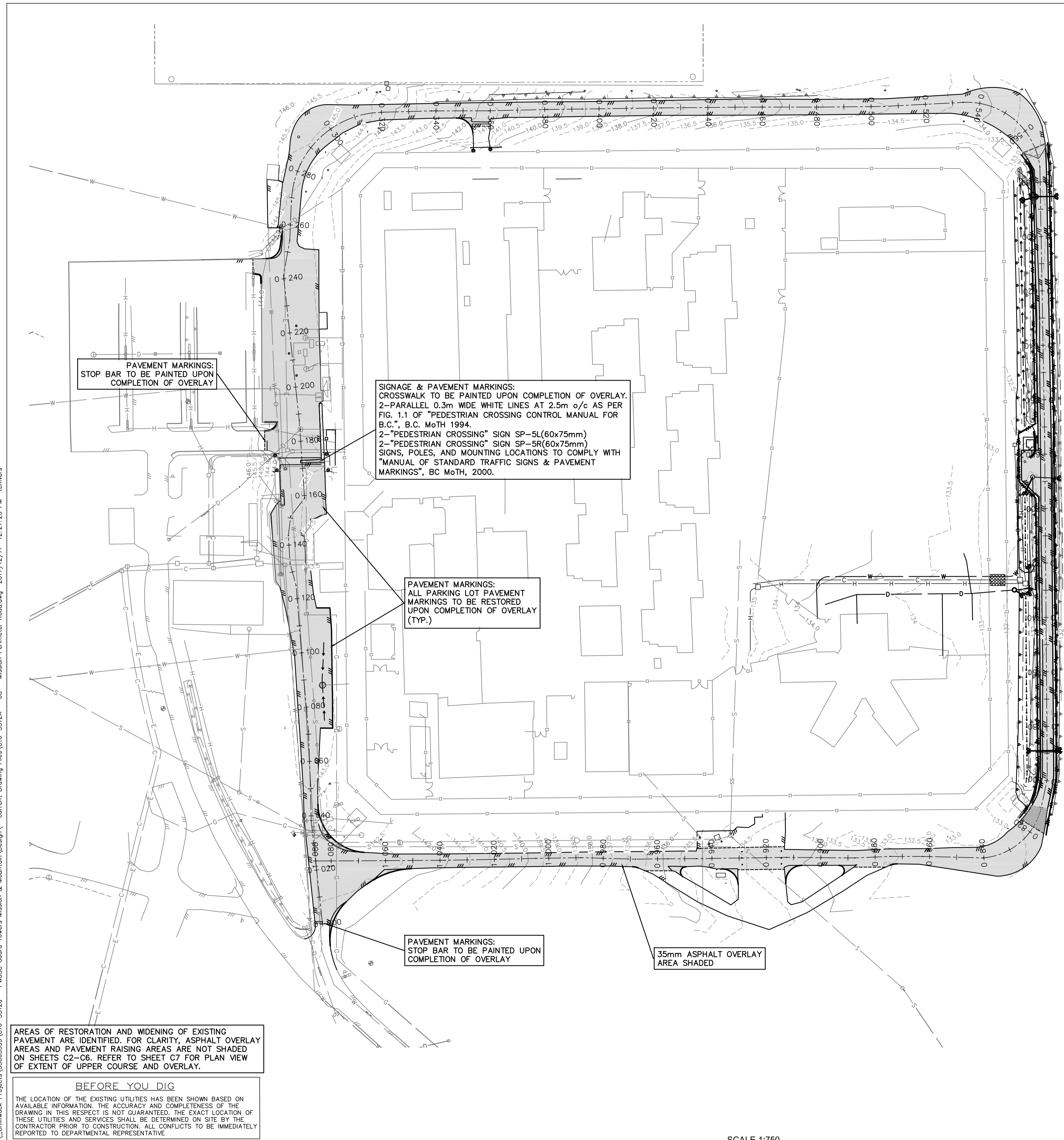
Drawing title/Titre du dessin

**ROADWORKS NORTH**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.065485.001	C6	3



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PAVEMENT MARKINGS:  
STOP BAR TO BE PAINTED UPON  
COMPLETION OF OVERLAY

SIGNAGE & PAVEMENT MARKINGS:  
CROSSWALK TO BE PAINTED UPON COMPLETION OF OVERLAY.  
2-PARALLEL 0.3m WIDE WHITE LINES AT 2.5m o/c AS PER  
FIG. 1.1 OF "PEDESTRIAN CROSSING CONTROL MANUAL FOR  
B.C.", B.C. MoTH 1994.  
2-"PEDESTRIAN CROSSING" SIGN SP-5L(60x75mm)  
2-"PEDESTRIAN CROSSING" SIGN SP-5R(60x75mm)  
SIGNS, POLES, AND MOUNTING LOCATIONS TO COMPLY WITH  
"MANUAL OF STANDARD TRAFFIC SIGNS & PAVEMENT  
MARKINGS", BC MoTH, 2000.

PAVEMENT MARKINGS:  
ALL PARKING LOT PAVEMENT  
MARKINGS TO BE RESTORED  
UPON COMPLETION OF OVERLAY  
(TYP.)

PAVEMENT MARKINGS:  
STOP BAR TO BE PAINTED UPON  
COMPLETION OF OVERLAY

35mm ASPHALT OVERLAY  
AREA SHADED

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PAVEMENT ARE IDENTIFIED. FOR CLARITY, ASPHALT OVERLAY  
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ROAD RAISING AND NEW PAVEMENT CONSTRUCTION AS PER DETAIL 3  
ON SHEET C1 (STA.0+567.24 TO 0+817.82)

DESIGN	LEGEND	EXISTING
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CB #1	CATCH BASIN - CB	CB ⊙
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Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

**REAL PROPERTY SERVICES**  
Pacific Region  
**SERVICES IMMOBILIERS**  
Région de Pacifique

**WEDLER**  
ENGINEERING

CONSULTANT PROJECT No.: C16-5312/A

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1	REVISED PER CLIENT COMMENTS RE-IFR	2017-10-19
0	ISSUED FOR REVIEW	2017-09-01

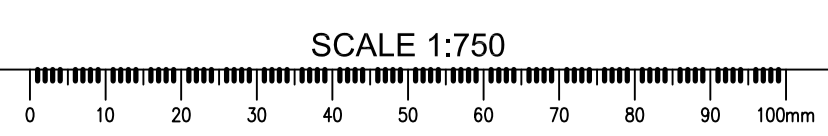
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CANADA**

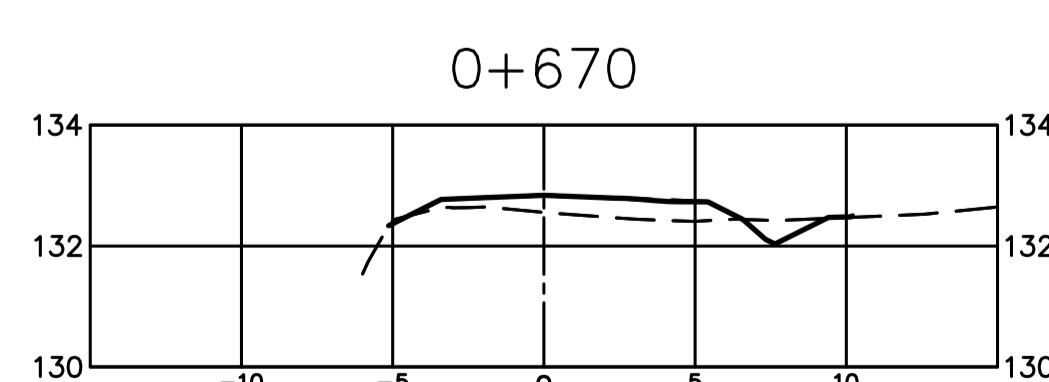
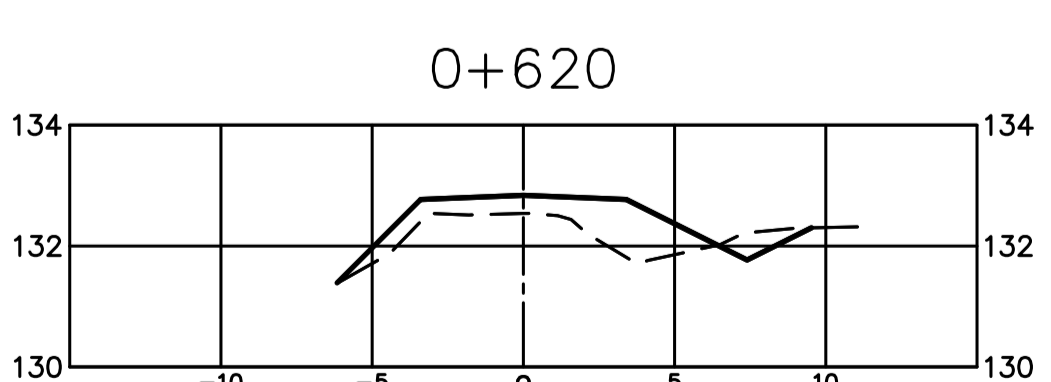
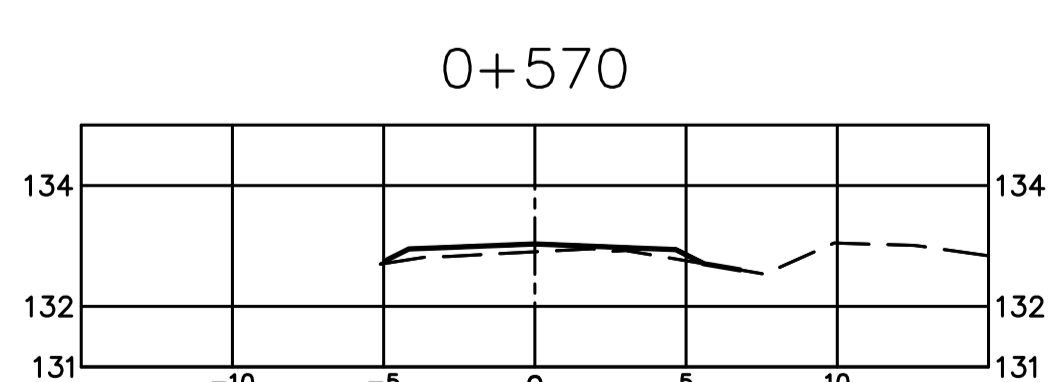
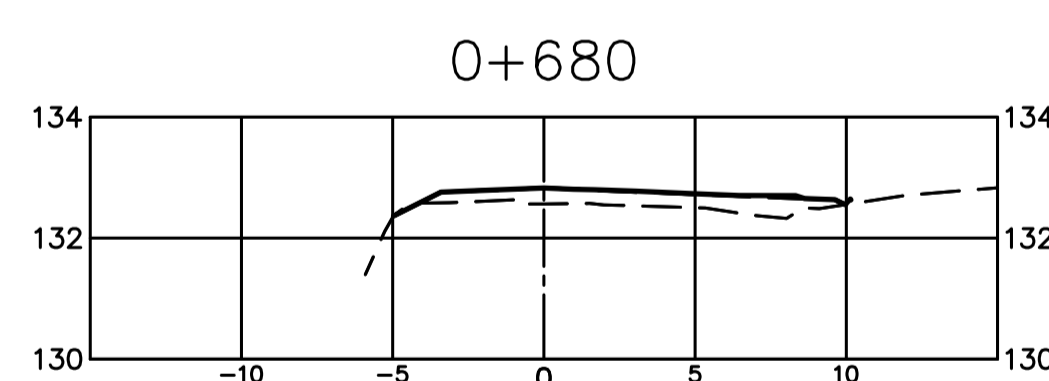
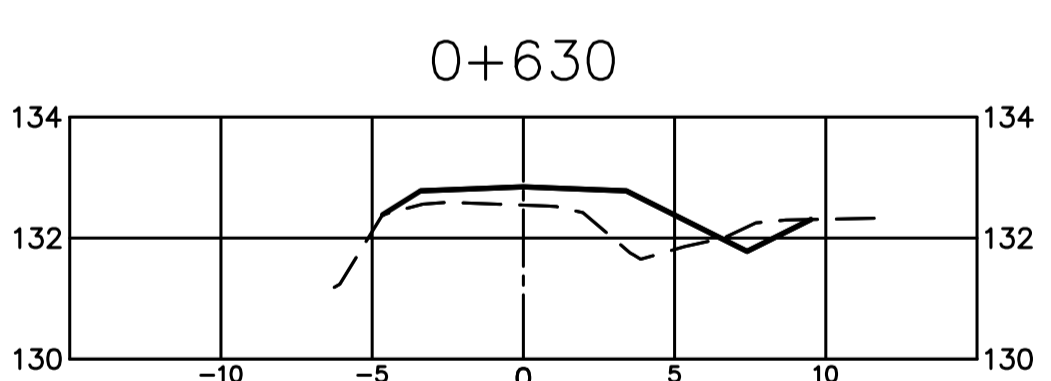
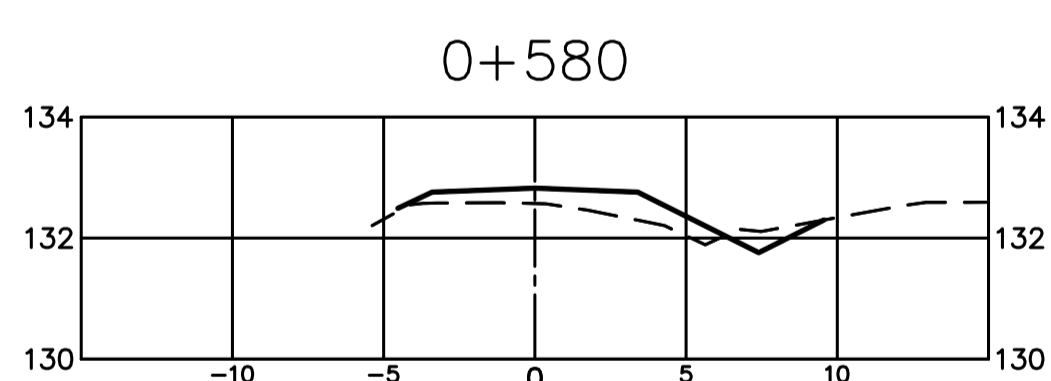
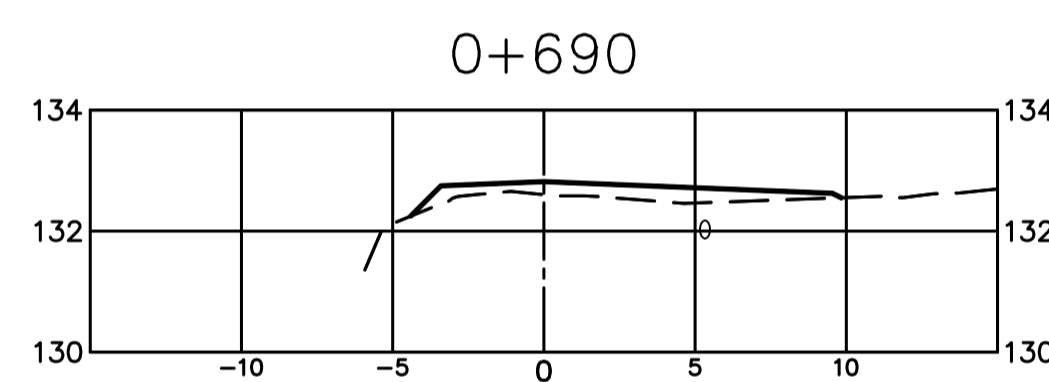
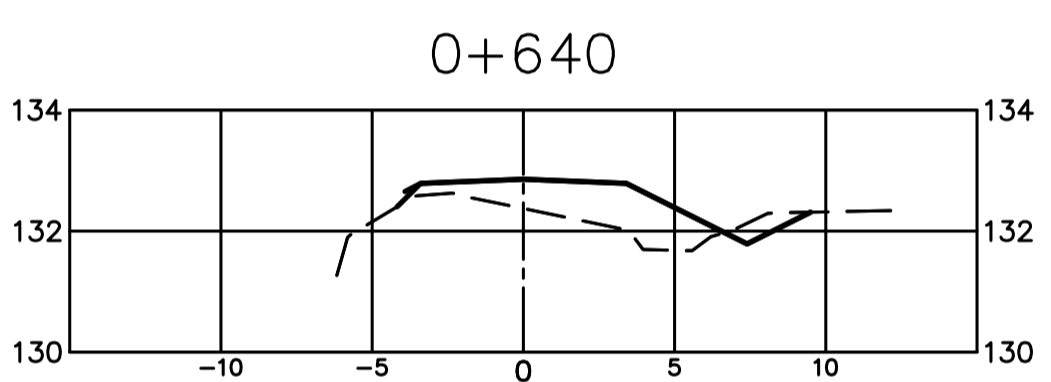
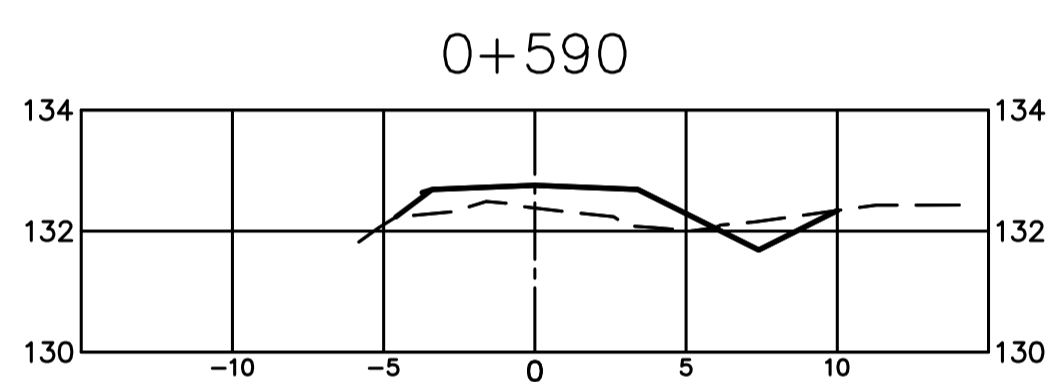
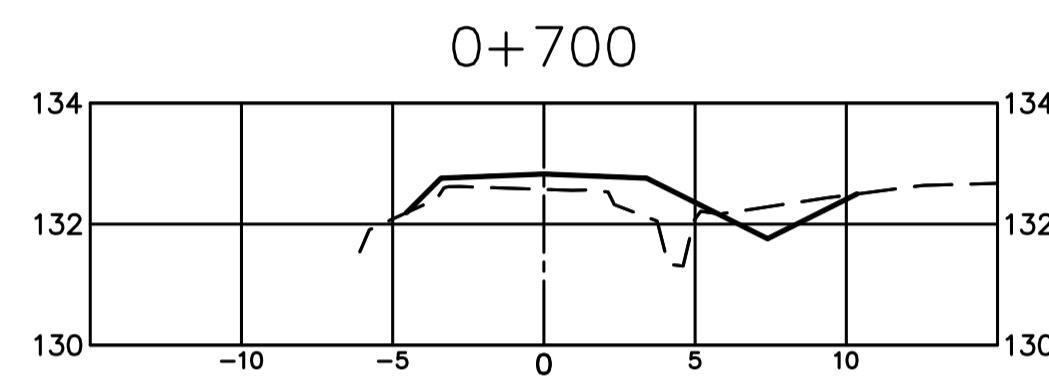
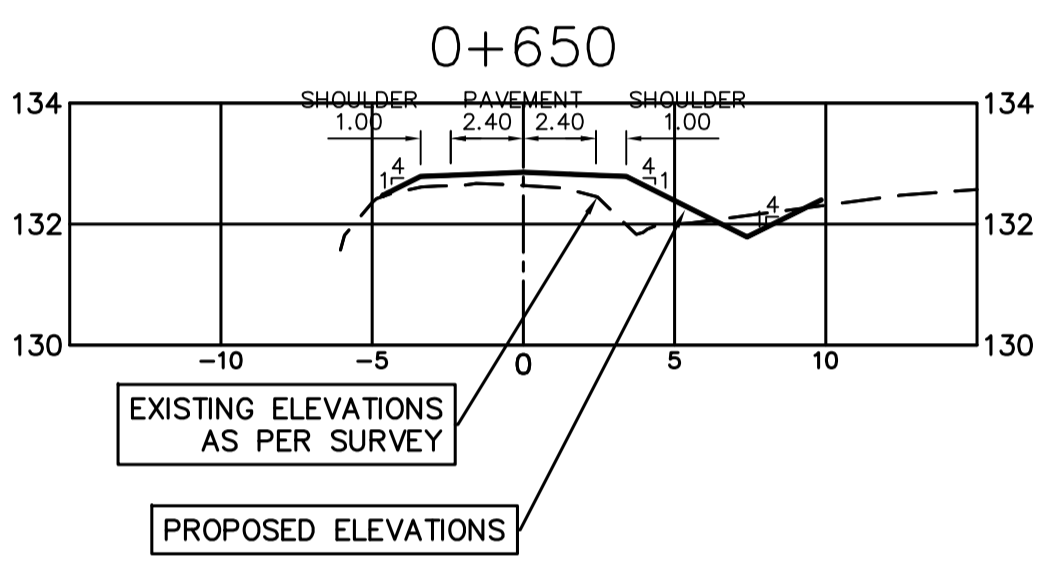
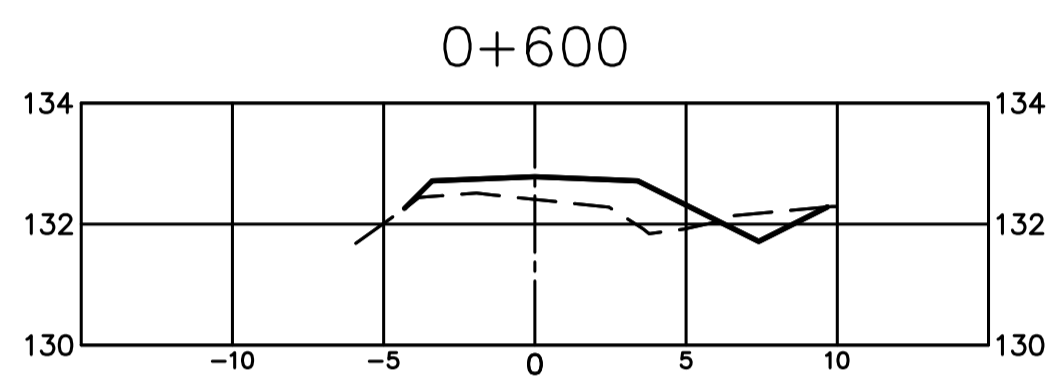
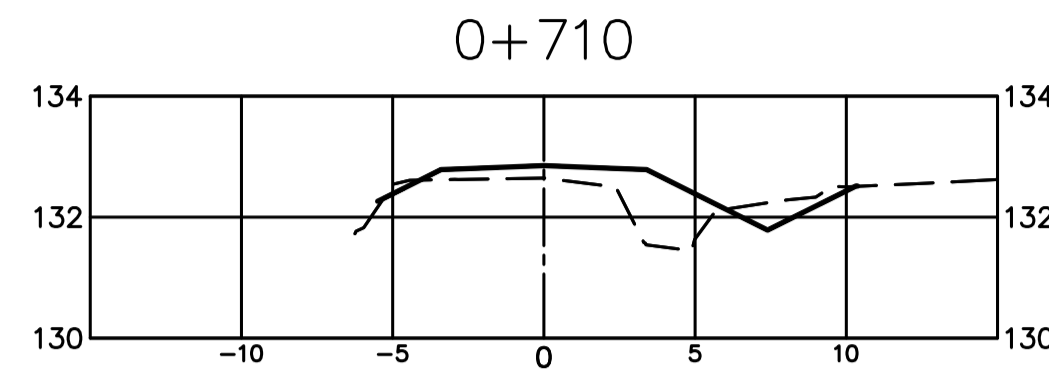
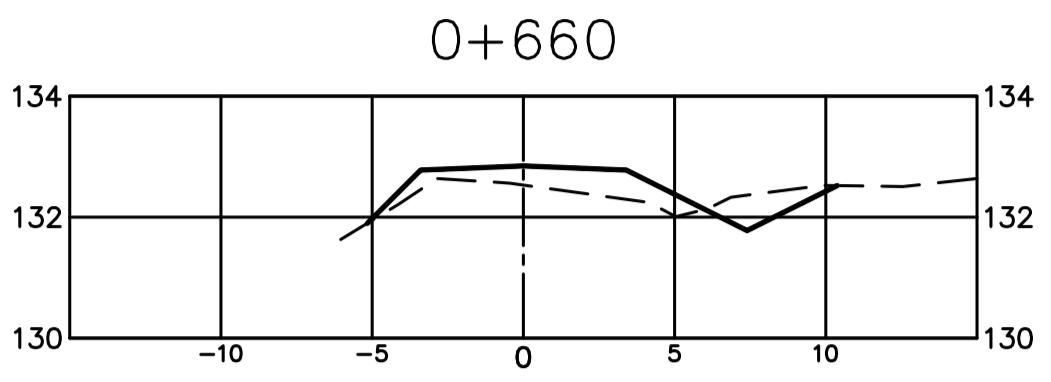
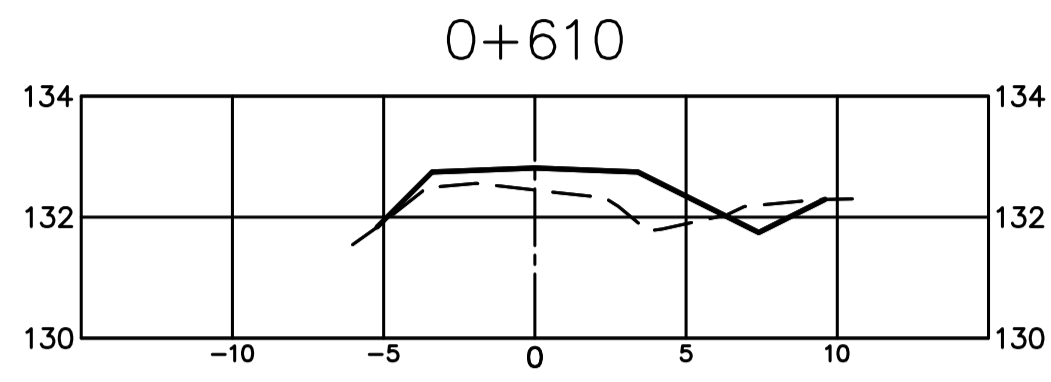
Project title/Titre du projet  
8751 STAVE LAKE STREET  
MISSION, B.C.  
**MISSION INSTITUTION  
MEDIUM  
PERIMETER ROAD UPGRADES**

Consultant Signature Only  
DEPARTMENTAL REPRESENTATIVE LLP.  
Designed by/Concept par  
FID/ADV  
Drawn by/Dessiné par  
ADV  
PWSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG / PAUL RITHALER  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

**KEY PLAN  
NEW PAVEMENT AND OVERLAY**

Project No./No. du projet <b>R.065485.001</b>	Sheet/Feuille <b>C7</b>	Revision no./Révision no. <b>3</b>
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Revision/Revision	Description/Description	Date/Date
3	REVISED PER GEOTECHNICAL COMMENTS RE-IFT	2017-12-11
2	REVISED PER CLIENT COMMENTS: IFT	2017-11-06
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 Designed by/Concept par  
 FID/ADV  
 Drawn by/Dessine par  
 ADV  
 PWGSC Project Manager/Administrateur de Projets TPSCG  
 TONY TANG / PAUL RITHALER  
 Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin  
**SECTIONS  
 STA. 0+570 TO 0+710**

Project No./No. du projet <b>R.065485.001</b>	Sheet/Fauille <b>C8</b>	Revision no./La Révision no. <b>3</b>
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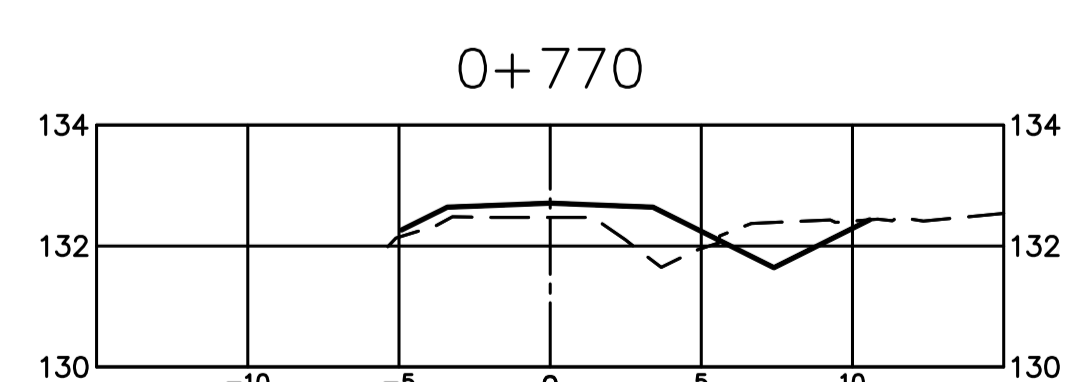
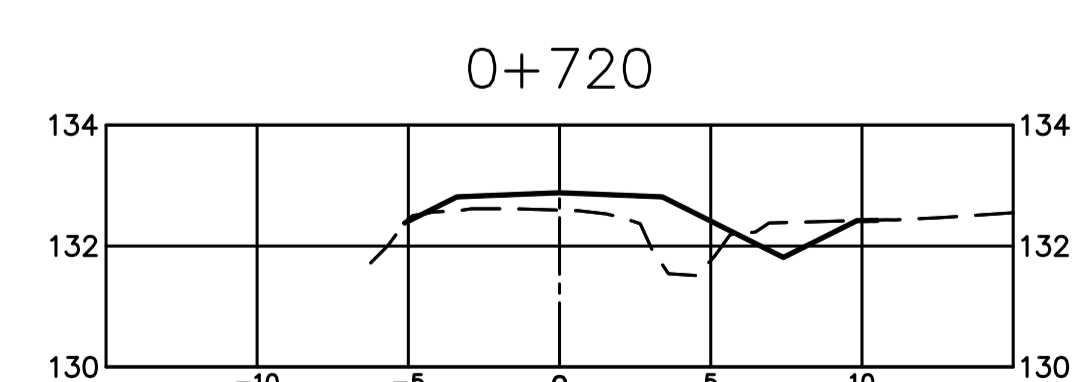
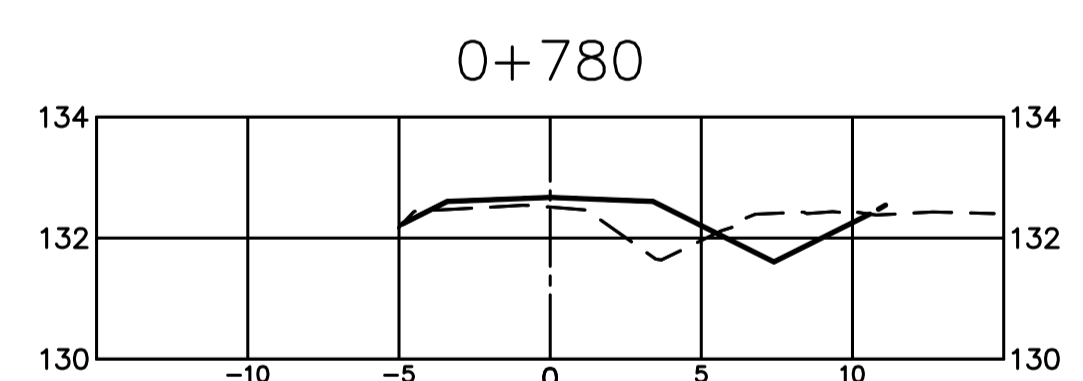
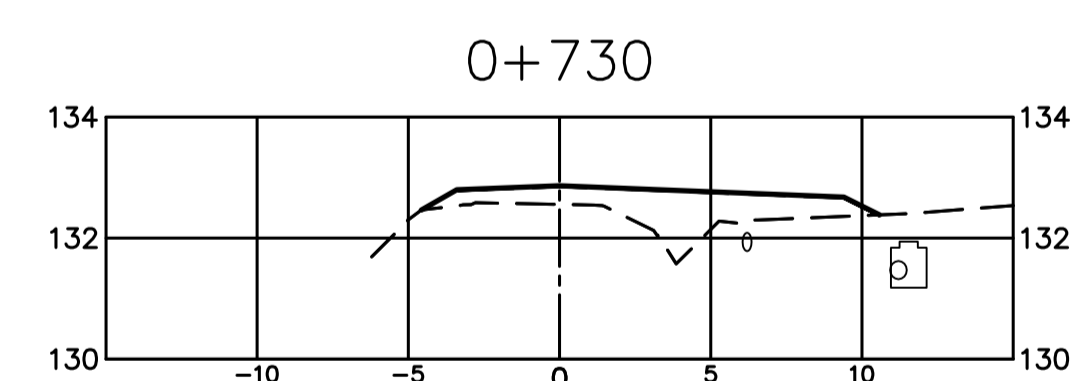
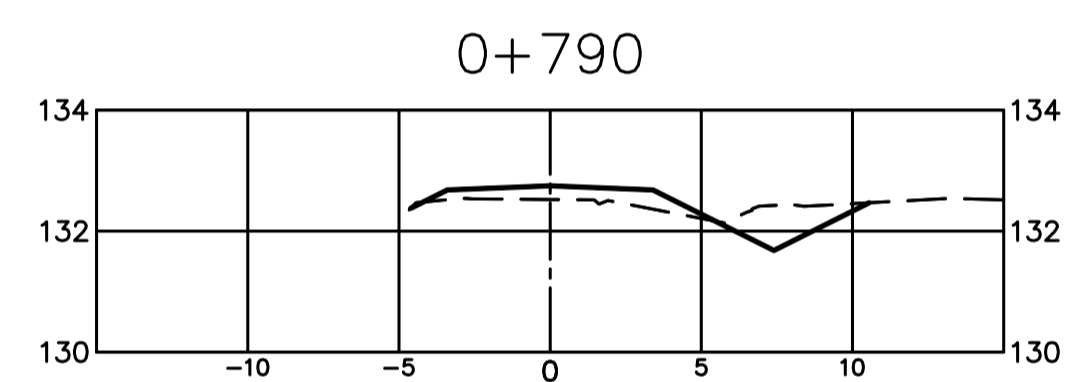
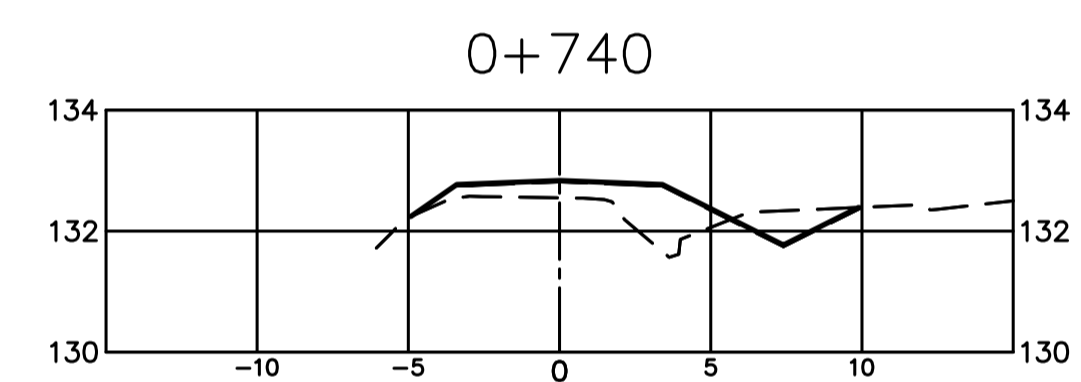
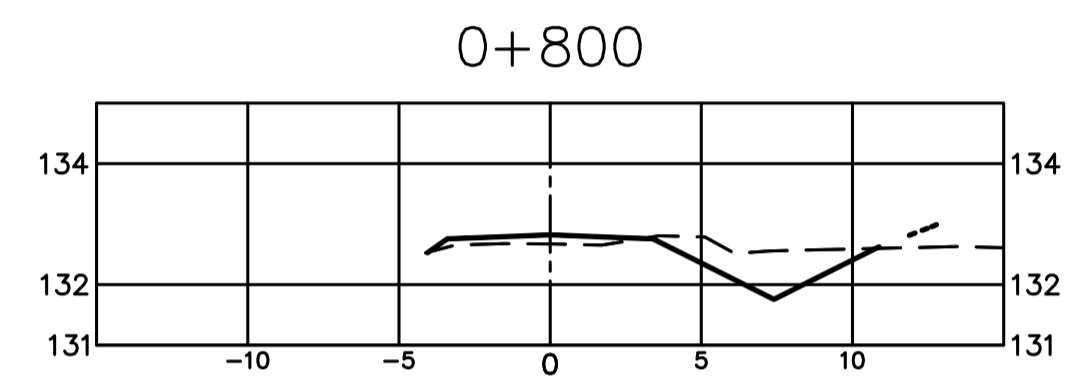
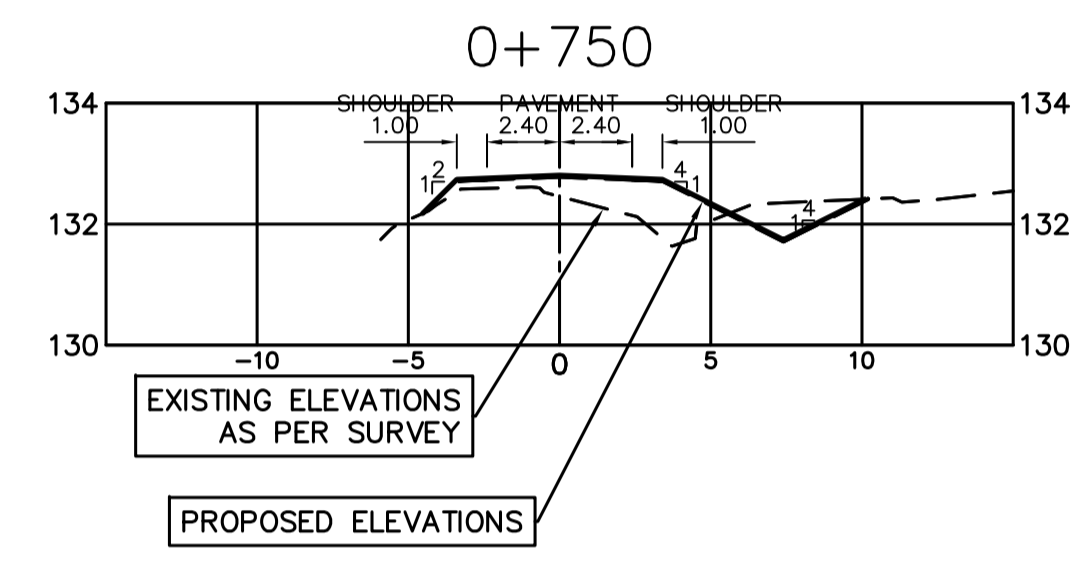
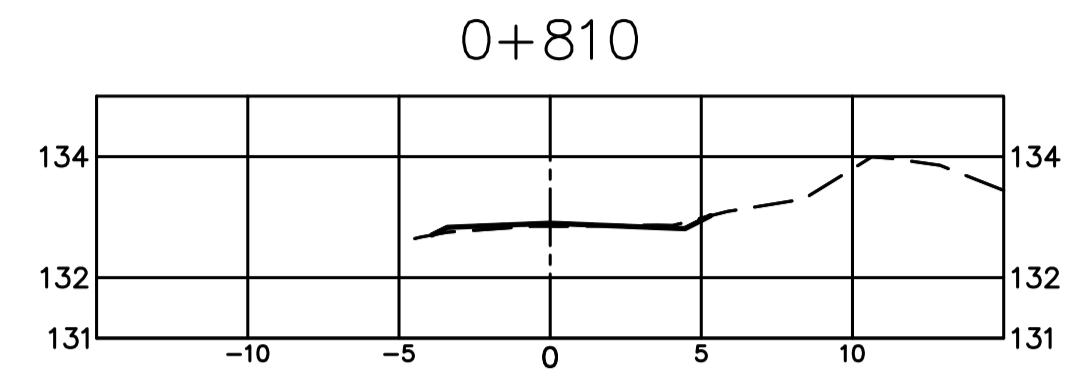
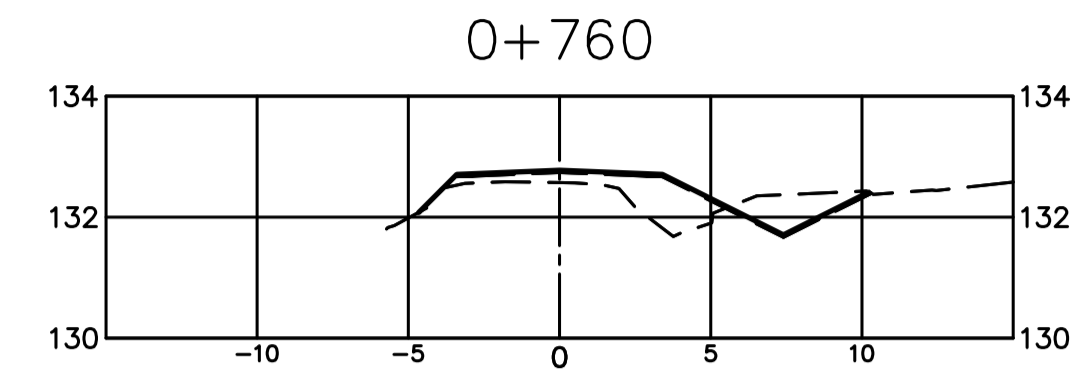
**BEFORE YOU DIG**  
 THE LOCATION OF THE EXISTING UTILITIES HAS BEEN SHOWN BASED ON AVAILABLE INFORMATION. THE ACCURACY AND COMPLETENESS OF THE DRAWING IN THIS RESPECT IS NOT GUARANTEED. THE EXACT LOCATION OF THESE UTILITIES AND SERVICES SHALL BE DETERMINED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ALL CONFLICTS TO BE IMMEDIATELY REPORTED TO DEPARTMENTAL REPRESENTATIVE.

**NOTE:**  
 ROAD CROSS SECTIONS 0+570 TO 0+710  
 REFERENCE PLAN/PROFILE DRAWING OF  
 RELOCATED ROAD SECTION ON SHEET C3

H SCALE 1:250  
 V SCALE 1:125







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Client/client  
**CORRECTIONAL SERVICE CANADA**

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PWSC Project Manager/Administrateur de Projets TPSCG  
TONY TANG / PAUL RITHALER

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG

Drawing title/Titre du dessin

**SECTIONS**  
**STA. 0+720 TO 0+810**

Project No./No. du projet <b>R.065485.001</b>	Sheet/Fauille <b>C9</b>	Revision no./La Révision no. <b>3</b>
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**NOTE:**  
ROAD CROSS SECTIONS 0+720 TO 0+810  
REFERENCE PLAN/PROFILE DRAWING OF  
RELOCATED ROAD SECTION ON SHEET C3

H SCALE 1:250  
V SCALE 1:125

