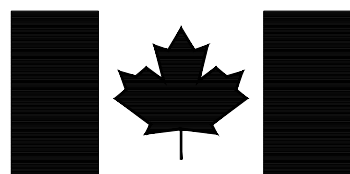




McElhanney

McElhanney Consulting Services Ltd.

for / pour



Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

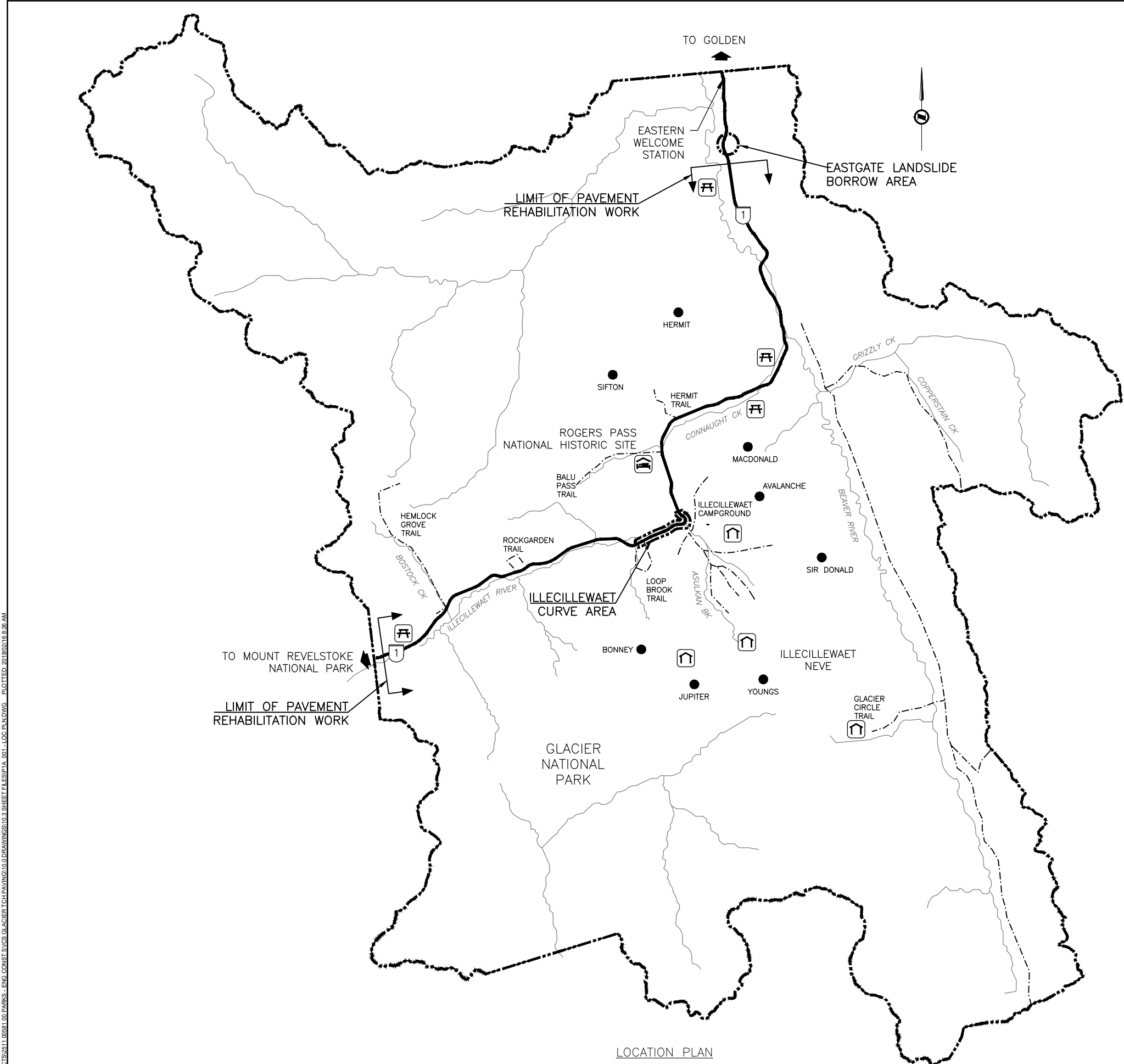
TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS - PHASE 1A
KM 26.1 TO KM 28.2
PAVEMENT REHABILITATION KM 3.8 TO KM 43.8

ROGERS PASS
GLACIER NATIONAL PARK, BC

ISSUED FOR TENDER

FILE: G:\PROJECTS\2511_00561_00 PARKS - ENG CONST SVCS\GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\PIA_001-LOC PLAN.DWG PLOTTED: 2018/02/16 8:28 AM

Paper Size: ANSI D (22 x 34")



LOCATION PLAN

SURVEY CONTROL POINTS			
ID	NORTHING	EASTING	ELEVATION
CPT 780	5680526.976	464493.298	1248.560
CPT 796	5679837.261	464497.815	1192.992
CPT 814	5680297.993	464607.869	1234.304
CPT 1455	5680052.290	464902.744	1211.146
CPT 1456	5679814.582	464759.060	1200.668
CPT 1994	5679449.611	463599.055	1149.788
CPT 1995	5679896.317	464863.279	1204.969
CPT 2659	5680365.660	464547.542	1239.457
CPT 2660	5680189.946	464829.658	1220.311
CPT 2661	5679920.042	464875.619	1205.581
CPT 2662	5679806.887	464632.247	1196.654
CPT 2663	5679800.752	464351.926	1188.966
CPT 2664	5679782.617	464365.371	1188.082
CPT 2665	5679742.208	464280.176	1184.554
CPT 2666	5679512.319	463926.810	1168.607
CPT 2668	5679398.622	463599.539	1155.523
CPT 2669	5679251.460	463249.711	1148.318
CPT 2670	5679365.386	463558.829	1154.659
CPT 2675	5679660.324	464165.548	1179.148
CPT 2743	5679448.484	463770.281	1161.534

ALL COORDINATES INDICATED WITHIN THIS DRAWING SET ARE GRID (NAD83 CSRS UTM ZONE 11).

ALL ELEVATIONS ARE GEODETIC.

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A

B

C

A detail number numéro de détail |

B source drawing no. de dessin no. |

C detail on drawing no. détail sur dessin no. |

A

A

B

C

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

LOCATION PLAN

Surveyed by / Arpenté par
MCSL

Drawn by / Dessiné par
JKR

Date
2018.02.15

Designed by / Conçu par
DRL

Reviewed by / Révisé par
RAS

Scale / Echelle

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Parks Canada Responsable Officiel / Agent Responsable Parcs Canada

Project No. / No. du projet
566-04

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Asset No. / No. du-bien

Sheet No.
No. de la feuille
02

Drawing Reference No. / No. de référence du dessin

001

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ROAD CONSTRUCTION		
EXISTING	DESCRIPTION	PROPOSED
	KM MARKER	
	CONTROL LINE AND STATIONING	21+500
	ALIGNMENT TIE POINTS & STATIONING	ST 21+525.847
	EDGE OF GRAVEL SHOULDER	
	EDGE OF ROAD	
	ARCHAEOLOGICAL SITE	
	APPROXIMATE BOTTOM OF FILL	___ B.O.F. ___
	APPROXIMATE TOP OF CUT	___ T.O.C. ___
	DITCH	==
	DRAINAGE FLOW DIRECTION	→
	RETAINING WALL	RETAINING WALL
	LIGHT STANDARD	
	SURVEY CONTROL POINT	
	DELINEATOR POST	○DP
	OVERHEAD POWER POLE	
	FIBRE OPTIC LINE	
	FIBRE OPTIC MANHOLE	
	UNDERGROUND POWER LINE	
	TREE LINE	
	CULVERT	
	RIP RAP APRON/FLUME	
	BOREHOLE	
	LANE INFORMATION	PROP 3.70 ⇄
	ALIGNMENT SEGMENT LABEL	C2
	CURVE INFO (NON ALIGNMENT)	
	GUN PLATFORM	
	CONCRETE BARRIER	
	CLEARING LIMIT DAYLIGHT	---
	CONTOUR	1210
	SIGN	
PROFILES		
EXISTING	DESCRIPTION	PROPOSED
	FINISHED GROUND	_____
	EXISTING GROUND	-----
	LEFT DITCH	--- . --- . ---
	RIGHT DITCH	--- - - - -
	CULVERT END	

EXISTING	DESCRIPTION	PROPOSED
	EXISTING PAVED ROAD	
	PARTIAL DEPTH MILLING & INLAY (50mm)	
	NEW PAVEMENT	
	PROFILE MILLING & INLAY (VARIABLE DEPTH)	
	FULL RECONSTRUCTION	
	OVERLAY (50mm)	
	REMOVALS	

ALIGNMENT ABBREVIATIONS

BP - ALIGNMENT BEGINNING
EP - ALIGNMENT END
PC - POINT OF CURVATURE
PT - POINT OF TANGENCY
TC - TANGENT TO CURVE
CS - CURVE TO SPIRAL
SC - SPIRAL TO CURVE
CT - CURVE TO TANGENT
TS - TANGENT TO SPIRAL
ST - SPIRAL TO TANGENT
BVC - BEGINNING OF VERTICAL CURVE
EVC - END OF VERTICAL CURVE
PVI - POINT OF VERTICAL INTERSECTION
ELEV - ELEVATION
PI - POINT OF INTERSECTION
STA - STATION

MISCELLANEOUS ABBREVIATIONS

SHLD - SHOULDER
EOP - EDGE OF PAVEMENT
EX - EXISTING
GP - GUN PLATFORM
CSP - CORRUGATED STEEL PIPE
CP - CANADIAN PACIFIC
R/W - RIGHT OF WAY

DRAWING INDEX				CURRENT
SHEET	DWG	DRAWING TITLE		REVISION
1	000	COVER		0 1 2 3 4 5 6
2	001	LOCATION PLAN		0 1 2 3 4 5 6
3	002	LEGEND & DRAWING INDEX		0 1 2 3 4 5 6
4	110	PLAN & PROFILE	STA 25+850 TO STA 26+500	0 1 2 3 4 5 6
5	111	PLAN & PROFILE	STA 26+500 TO STA 27+150	0 1 2 3 4 5 6
6	112	PLAN & PROFILE	STA 27+150 TO STA 27+800	0 1 2 3 4 5 6
7	113	PLAN & PROFILE	STA 27+800 TO STA 28+450	0 1 2 3 4 5 6
8	115	PLAN & PROFILE - WESTBOUND	STA 125+800 TO STA 126+300	0 1 2 3 4 5 6
9	116	PLAN & PROFILE - WESTBOUND	STA 126+300 TO STA 126+800	0 1 2 3 4 5 6
10	117	PLAN & PROFILE - WESTBOUND	STA 126+800 TO STA 127+300	0 1 2 3 4 5 6
11	118	PLAN & PROFILE - EASTBOUND	STA 225+850 TO STA 226+500	0 1 2 3 4 5 6
12	119	PLAN & PROFILE - EASTBOUND	STA 226+500 TO STA 227+150	0 1 2 3 4 5 6
13	301	TYPICAL SECTIONS	TRANS-CANADA HIGHWAY	0 1 2 3 4 5 6
14	302	TYPICAL SECTIONS	MISCELLANEOUS DETAILS	0 1 2 3 4 5 6
15	406	INTERSECTION DETAILS	ILLECILLEWAET CAMPGROUND & ASULKAN TRAILHEAD	0 1 2 3 4 5 6
16	407	INTERSECTION DETAILS	CP ACCESS & WEST TURNAROUND	0 1 2 3 4 5 6
17	408	INTERSECTION DETAILS	GUN PLATFORM RELOCATION (GLACIER CP)	0 1 2 3 4 5 6
18	605	SIGNAGE & PAVEMENT MARKINGS	STA 25+850 TO STA 27+150	0 1 2 3 4 5 6
19	606	SIGNAGE & PAVEMENT MARKINGS	STA 27+150 TO STA 28+450	0 1 2 3 4 5 6
20	700	CULVERT INSTALLATION TABLE		0 1 2 3 4 5 6
21	901	EAST GATE LANDSLIDE BORROW EXCAVATION AREA	STA 2+900 TO STA 4+200	0 1 2 3 4 5 6
22	1001	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 0+000 TO STA 5+650	0 1 2 3 4 5 6
23	1002	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 5+650 TO STA 12+150	0 1 2 3 4 5 6
24	1003	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 12+150 TO STA 18+650	0 1 2 3 4 5 6
25	1004	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 18+650 TO STA 25+150	0 1 2 3 4 5 6
26	1005	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 25+150 TO STA 31+650	0 1 2 3 4 5 6
27	1006	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 31+650 TO STA 38+150	0 1 2 3 4 5 6
28	1007	PAVEMENT REHABILITATION & ROADWAY REPAIRS	STA 38+150 TO STA 43+794	0 1 2 3 4 5 6

REVISIONS	SHADING REPRESENTS CURRENT REVISION FOR EACH DRAWING
0	ISSUED FOR TENDER - FEBRUARY 16, 2018

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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Congu	Approved Approuvé

	A detail number B numéro de detail C source drawing no. de dessin no. detail on drawing no. detail sur dessin no.	
Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur	

Client		Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
--------	--	-------------------------------------------------------	-----------------------------------------------------

Consultant's Name Nom de l'expert-conseil		McElhanney McElhanney Consulting Services Ltd.
----------------------------------------------	--	---------------------------------------------------

Project Title Titre du projet	TRANS-CANADA HIGHWAY ILLECILLEWAET CURVE SAFETY IMPROVEMENTS PHASE 1A & PAVEMENT REHABILITATION ROGERS PASS GLACIER NATIONAL PARK, BC
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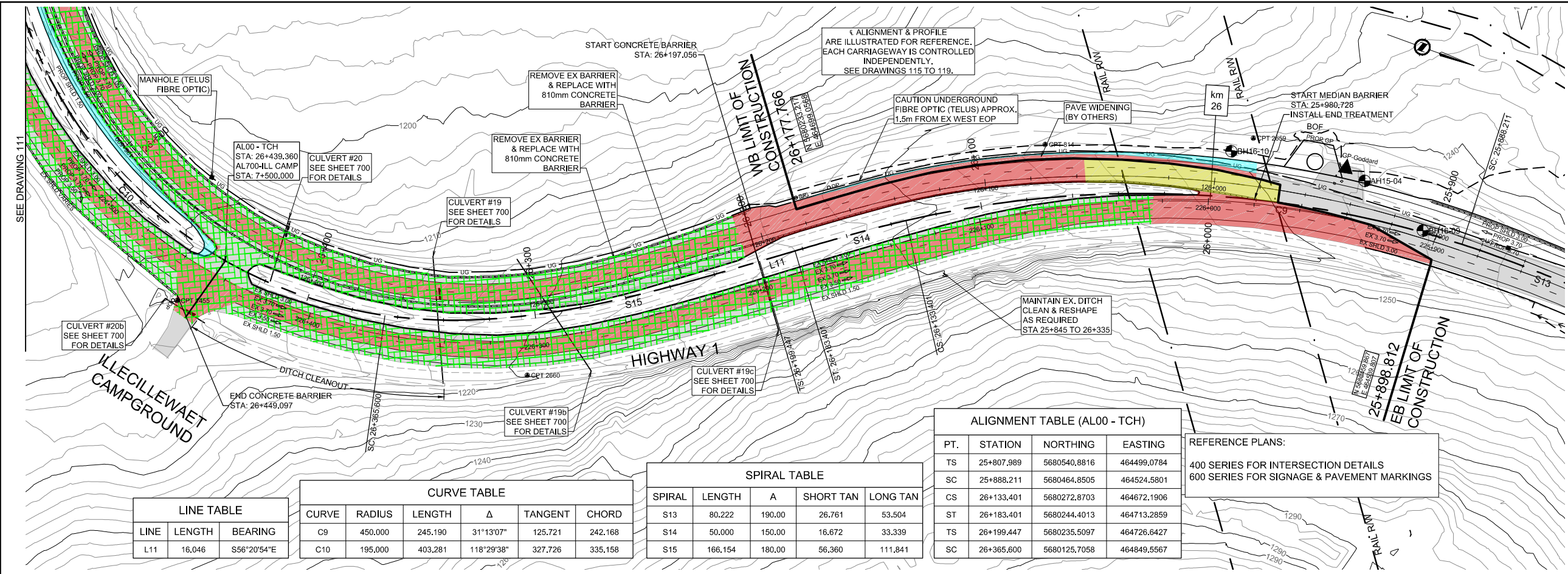
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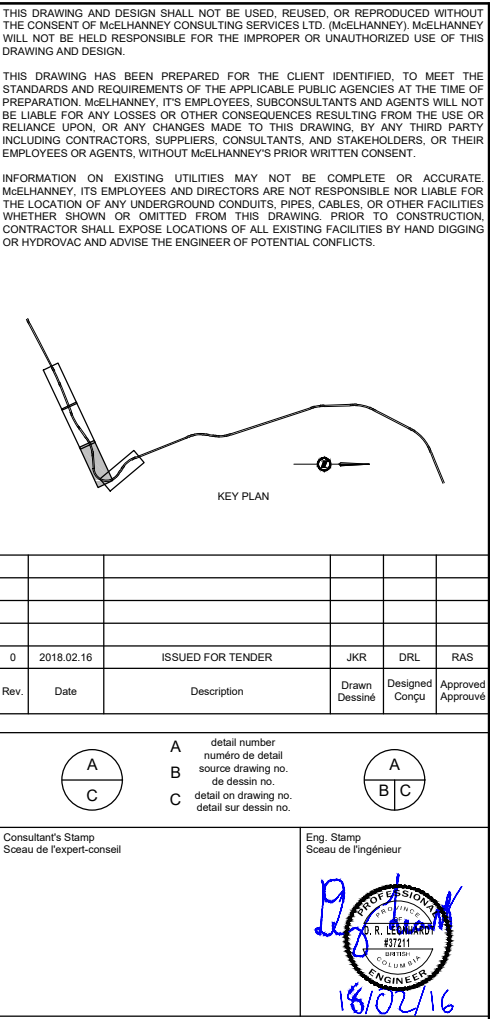
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Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle

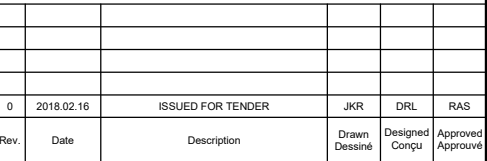
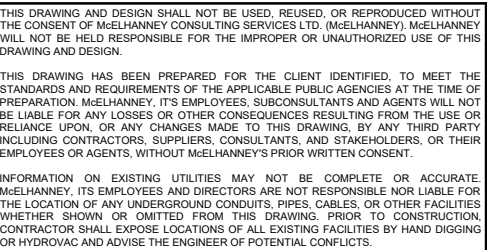
Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. No. de la feuille 03
Drawing Reference No. / No. de référence du dessin		002



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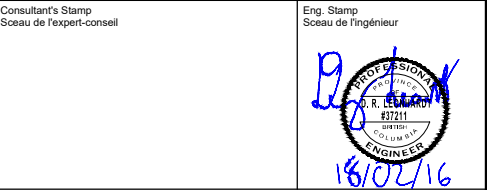






CURVE	RADIUS	LENGTH	Δ	TANGENT	CHORD
C13	10000.000	441.829	2°31'53"	220.951	441.794
C14	2250.000	127.203	3°14'21"	63.618	127.186

LINE TABLE		
LINE	LENGTH	BEARING
L15	48.905	S67°12'14"W



Consultant's Name
Nom de l'expert-conseil

 **McElhanney**
McElhanney Consulting Services Ltd.

Drawing Title
Titre du dessin

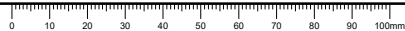
PLAN & PROFILE

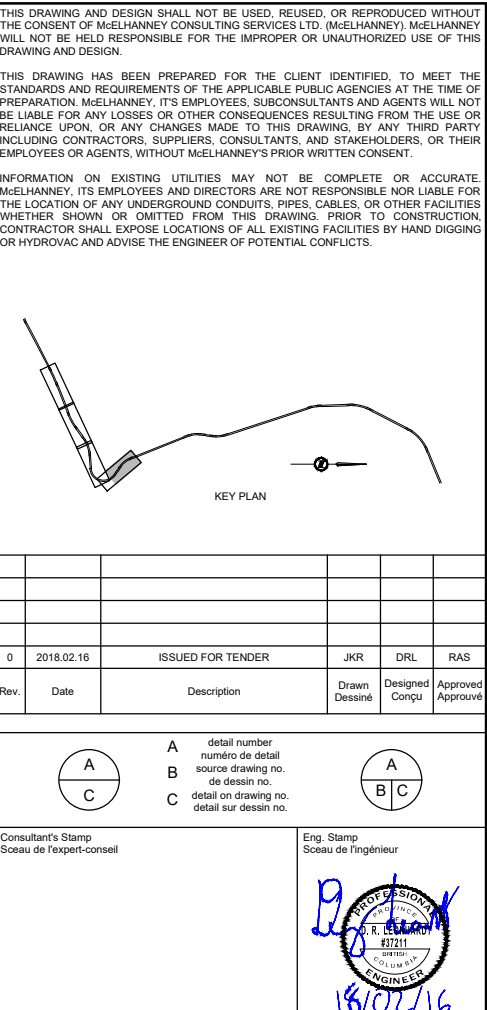
TRANS-CANADA HIGHWAY
STA 27+800 TO STA 28+450

Parks Canada Project Manager / Administrateur de Projets Parcs Canada	

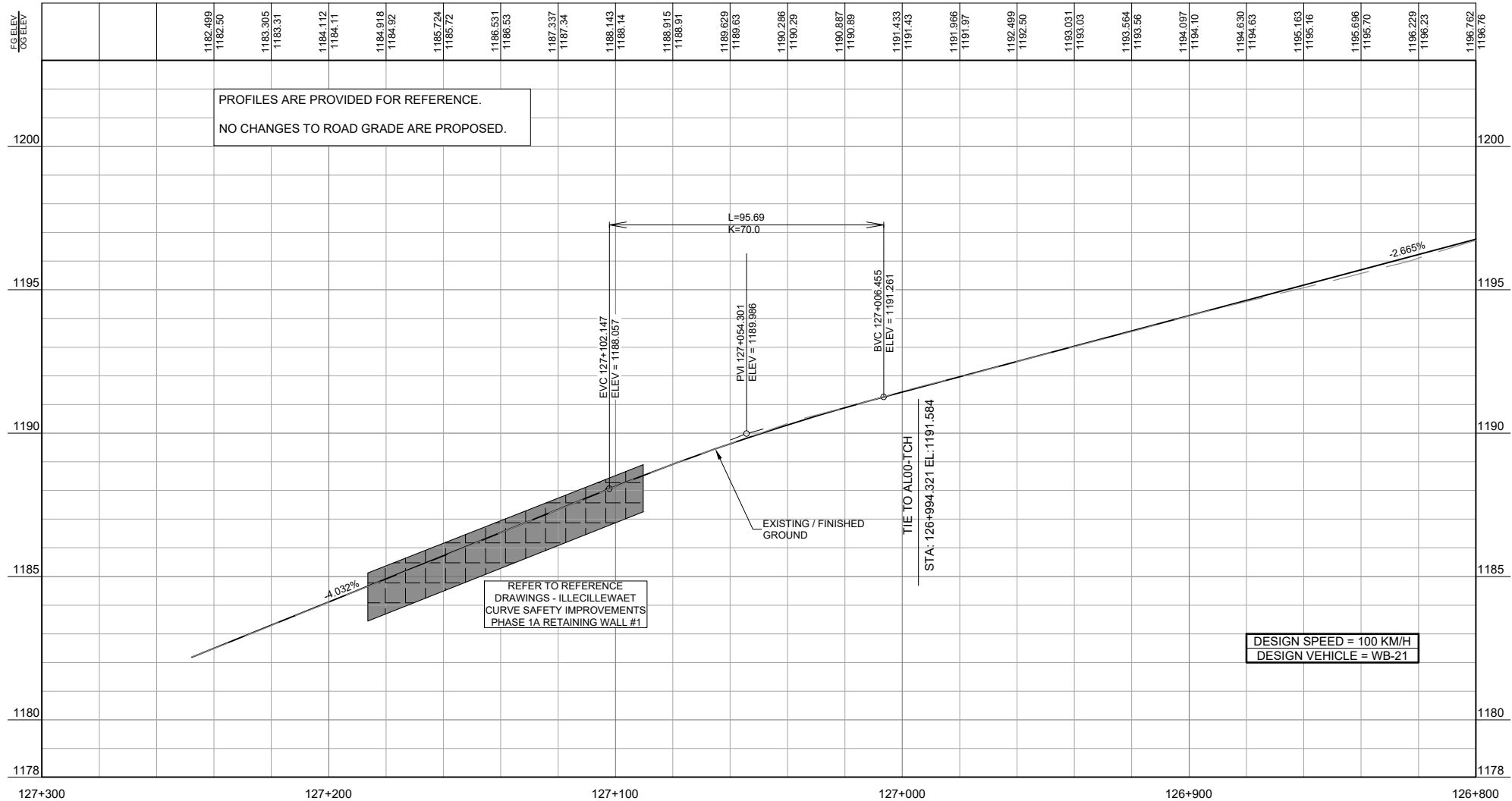
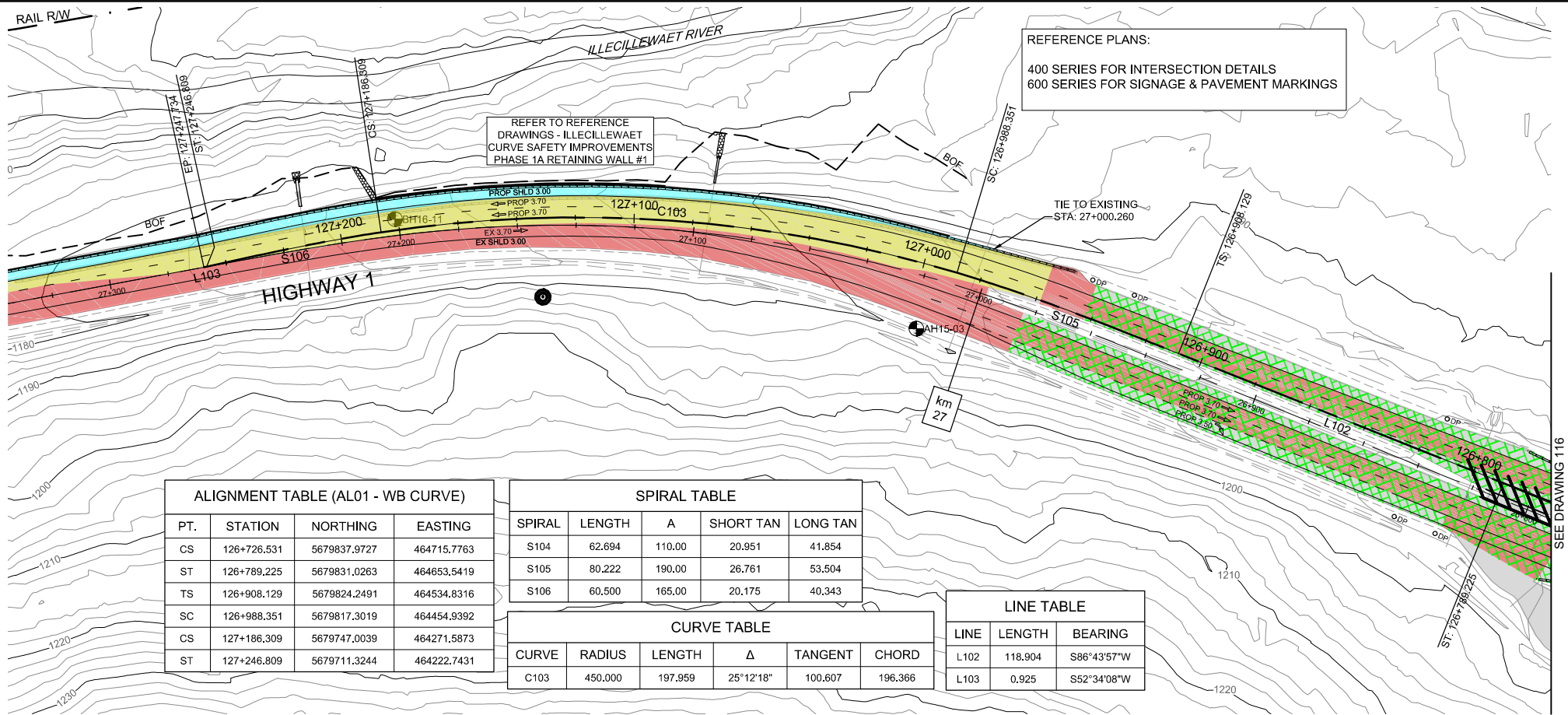
Client Acceptance / Acceptation du client	Approved by / Approuvé par
 Parks Canada Responsible Officer / Agent Responsable Parcs Canada	 Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. No. de la feuille 07
Drawing Reference No. / No. de référence du dessin		





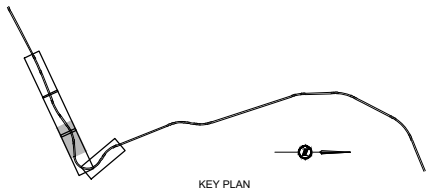
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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
numéro de detail
B source drawing no.
de dessin no.
C detail on drawing no.
detail sur dessin no.



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

18/02/16

Client



Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil



McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

PLAN & PROFILE
WESTBOUND LANES
TRANS-CANADA HIGHWAY
STA 126+800 TO STA 127+300

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.15
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:1000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

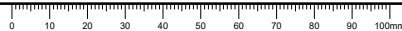
Parks Canada Responsible Officer / Agent Responsable Parcs Canada

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

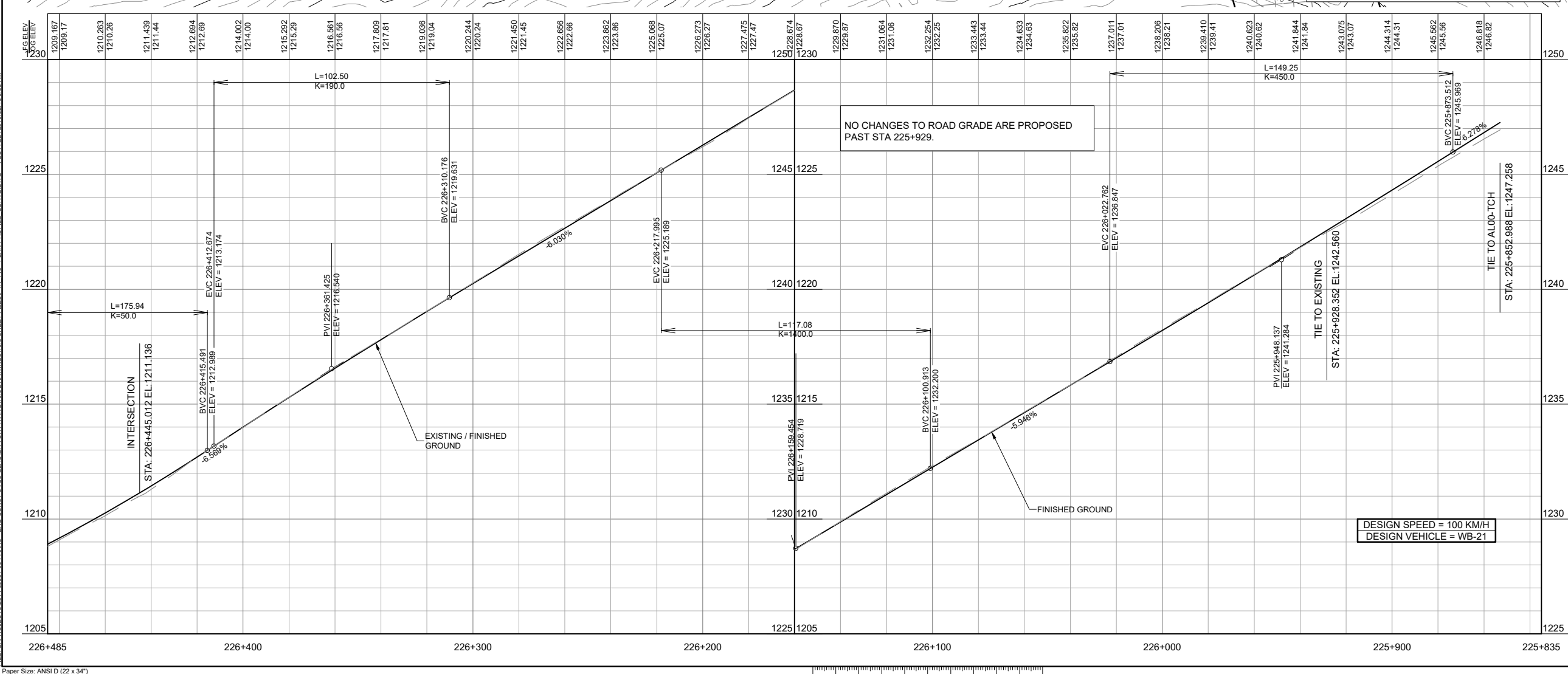
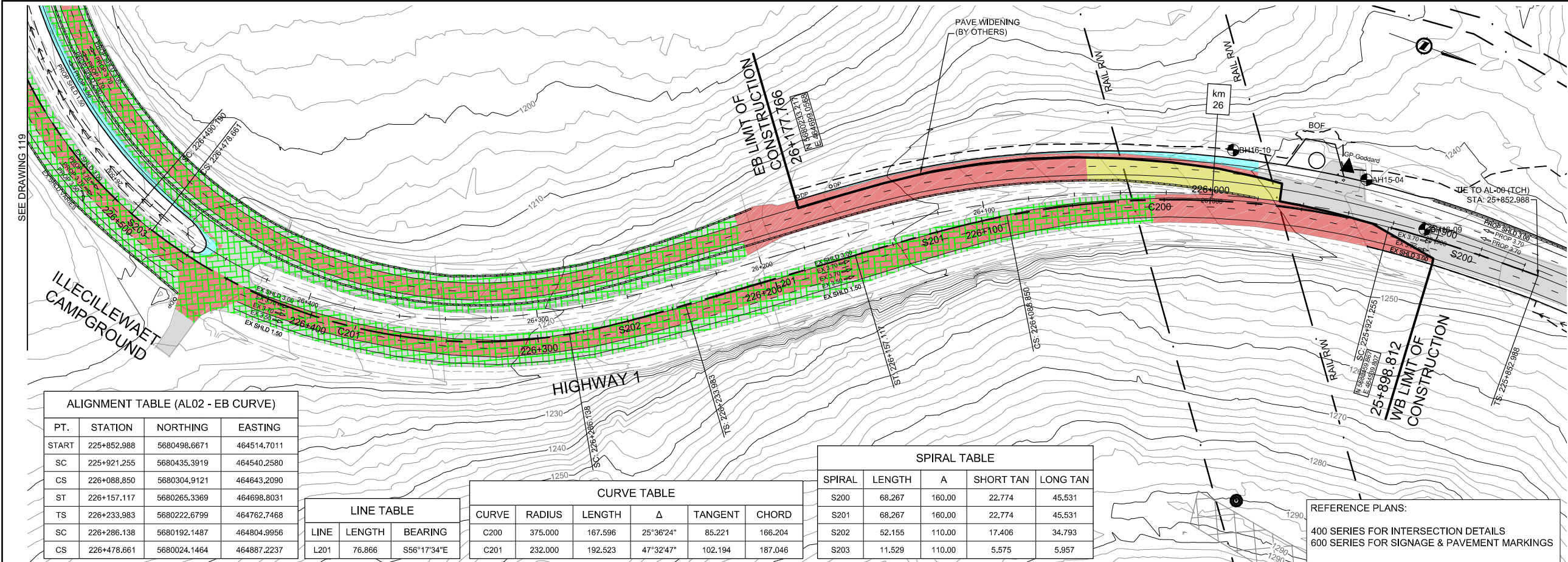
Project No. / No. du projet 566-04	Asset No. / No. du bien	Sheet No. / No. de la feuille 10
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Drawing Reference No. / No. de référence du dessin

117



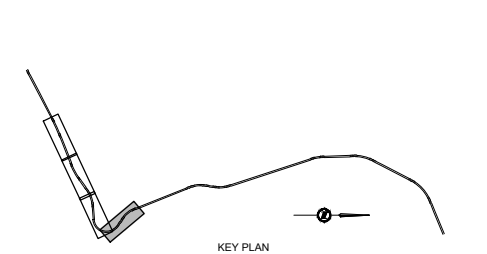
FILE: G:\PROJECTS\2511.00561.00 PARKS - ENG CONST SVCS GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\PIA_115 - PLAN PROFILE CURVE.DWG PLOTTED: 2018/02/16 8:38 AM



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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A	A detail number	A
B	numéro de detail	B
C	source drawing no.	C
	de dessin no.	
	detail on drawing no.	
	detail sur dessin no.	

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

McElhanney
CONSULTING SERVICES LTD.
ENGINEER
18/02/16

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

**TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION**

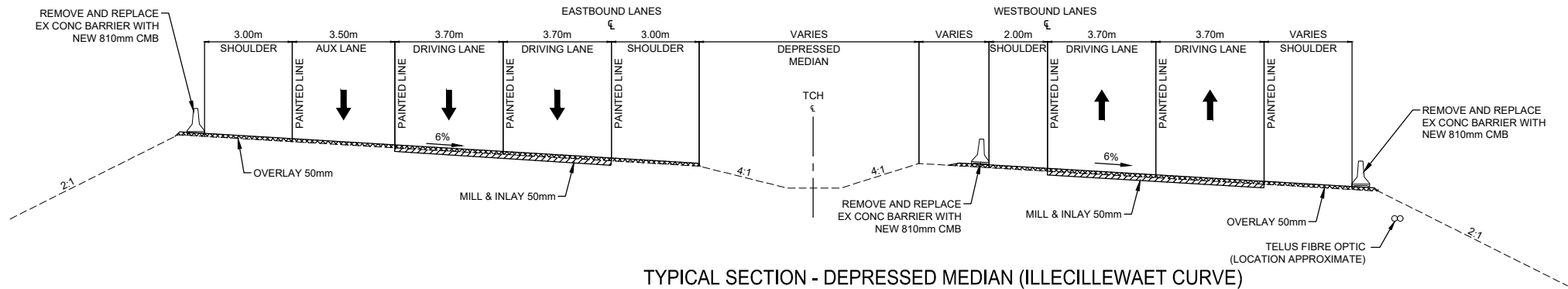
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

**PLAN & PROFILE
EASTBOUND LANES
TRANS-CANADA HIGHWAY
STA 225+850 TO STA 226+500**

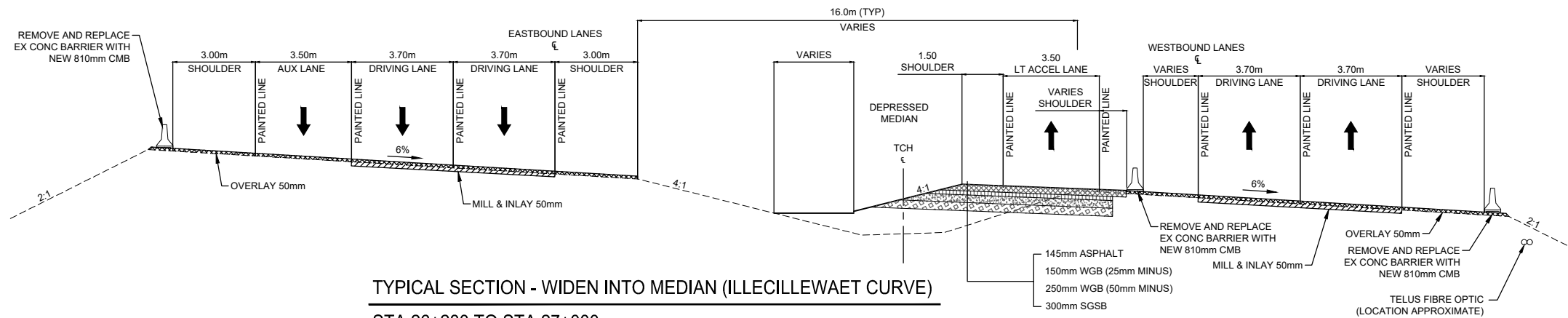
Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.15
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:1000
Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Parks Canada Responsable Officiel / Agent Responsables Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. / No. de la feuille 11
Drawing Reference No. / No. de référence du dessin		118

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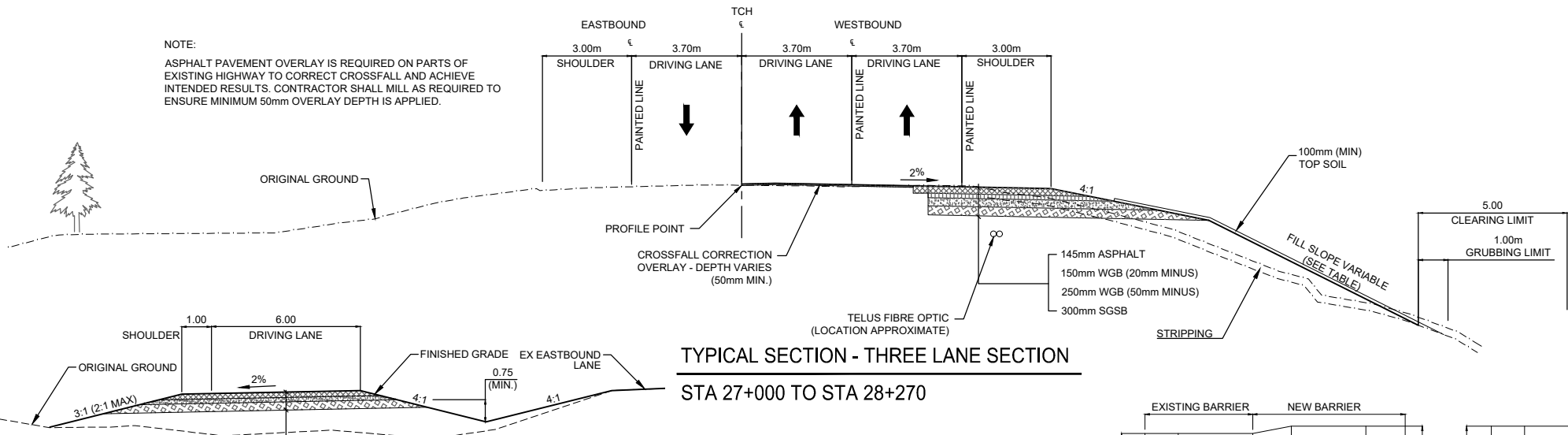
TYPICAL SECTION - DEPRESSED MEDIAN (ILLECILLEWAET CURVE)

STA 25+840 TO STA 26+280



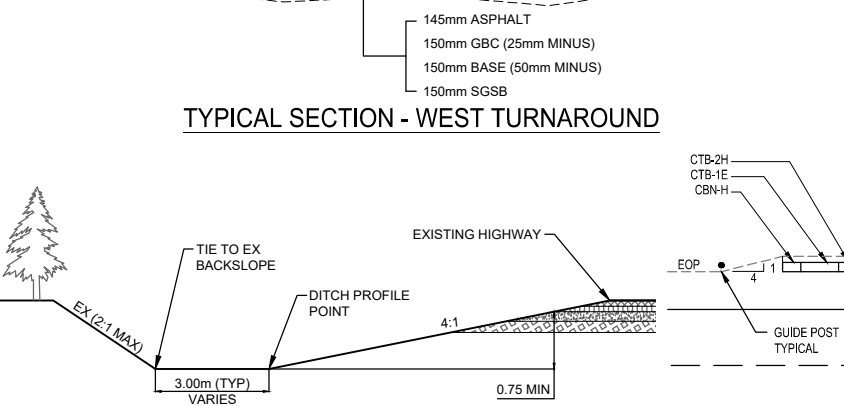
TYPICAL SECTION - WIDEN INTO MEDIAN (ILLECILLEWAET CURVE)

STA 26+280 TO STA 27+000

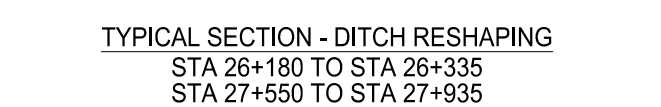


TYPICAL SECTION - THREE LANE SECTION

STA 27+000 TO STA 28+270



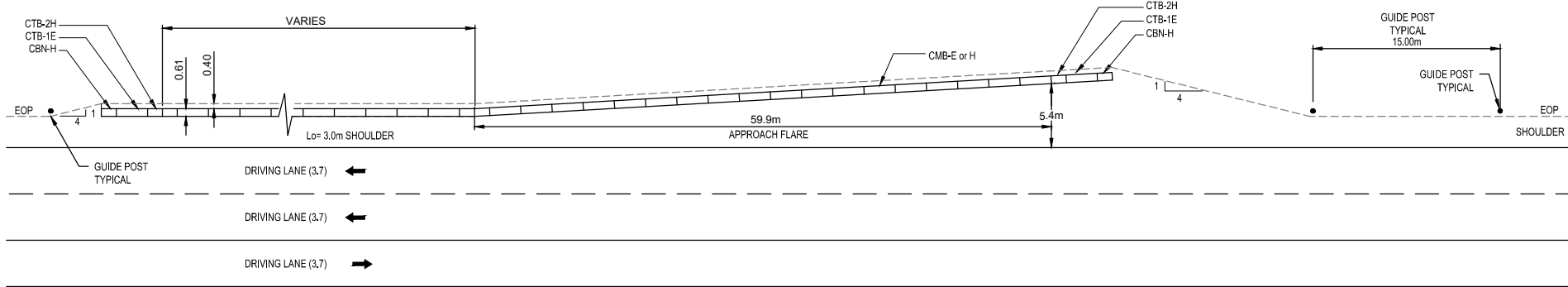
TYPICAL SECTION - WEST TURNAROUND



TYPICAL SECTION - DITCH RESHAPING

STA 26+180 TO STA 26+335

STA 27+550 TO STA 27+935



TYPICAL BARRIER FLARE (1:250)

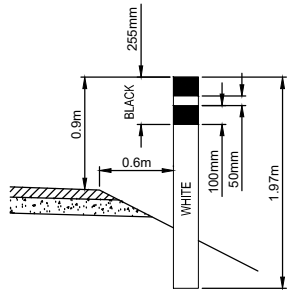
CUT SLOPE TABLE

CUT DEPTH	CUT DEPTH
<3.0m	4:1
3.0m - 5.0m	3:1
5.0m - 8.0m	3:1
>8.0m	2:1*

SLOPE SHALL BE STEEPENED TO 2:1 WHEN A 3:1 SLOPE WILL NOT TIE IN WITHIN AN 8.0m VERTICAL HEIGHT.
2:1 SLOPES SHALL HAVE A 1.5m WIDE BENCH AT 5.0m VERTICAL INTERVALS, OR AS ACCEPTED BY THE DEPARTMENTAL REPRESENTATIVE

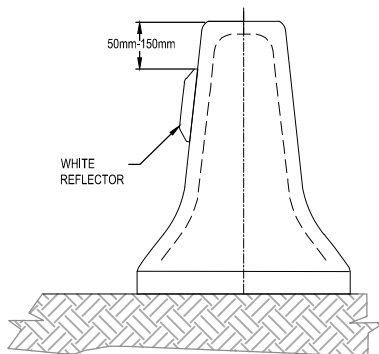
FILL SLOPE TABLE

FILL HEIGHT	CUT DEPTH
<2.0m	4:1
2.0m - 8.0m	3:1
8.0m - 14.0m	2:1
>14.0m	RETAINING WALL



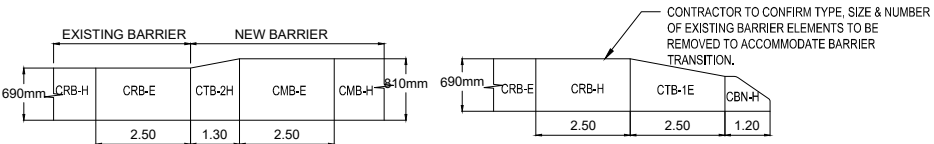
GUIDE POST INSTALLATION

N.T.S.



BARRIER REFLECTOR DETAILS

N.T.S.



BARRIER TRANSITION & END DETAILS

N.T.S.

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS



detail number
numéro de detail
source drawing no.
de dessin no.
detail on drawing no.
detail sur dessin no.



Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur

Client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
--------	-------------------------------------------------------	-----------------------------------------------------

Consultant's Name Nom de l'expert-conseil	McElhanney McElhanney Consulting Services Ltd.
----------------------------------------------	---------------------------------------------------

Project Title Titre du projet	TRANS-CANADA HIGHWAY ILLECILLEWAET CURVE SAFETY IMPROVEMENTS PHASE 1A & PAVEMENT REHABILITATION ROGERS PASS GLACIER NATIONAL PARK, BC
----------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------

Drawing Title Titre du dessin	TYPICAL SECTIONS TRANS-CANADA HIGHWAY
----------------------------------	------------------------------------------

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:100

Parks Canada Project Manager / Administrateur de Projets Parcs Canada	Client Acceptance / Acceptation du client	Approved by / Approuvé par
Parks Canada Responsable Officiel / Agent Responsable Parcs Canada	Parks Canada Project Manager / Administrateur de Projets Parcs Canada	

Project No. / No. du projet 566-04	Asset No. / No. du bien	Sheet No. No. de la feuille 13
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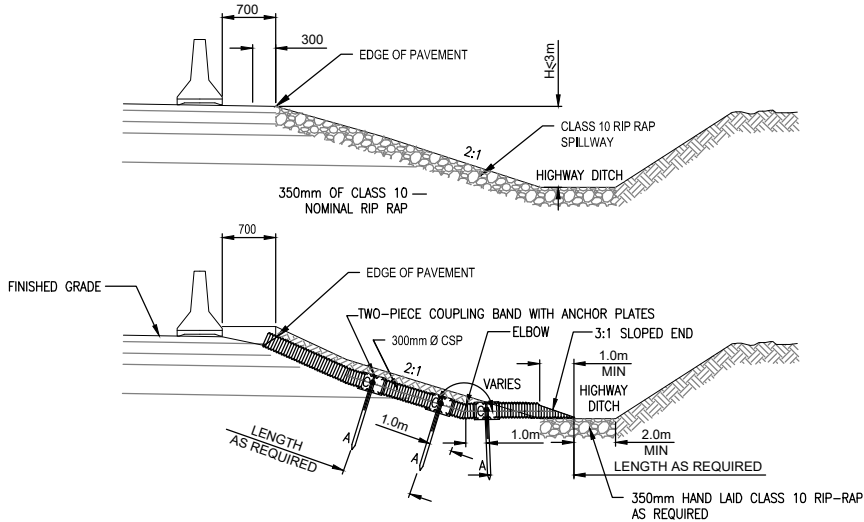
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GRADATION OF ROCK SIZES IN EACH CLASS OF RIP-RAP

CLASS OF RIP-RAP (kg)	NOMINAL THICKNESS OF RIP-RAP (mm)	ROCK GRADATION PERCENTAGE SMALLER THAN GIVEN ROCK MASS (KG)		
(kg)	(mm)	15%	50%	85%
10	350	1	10	30
25	450	2.5	25	75
50	550	5	50	150
100	700	10	100	300
250	1000	25	250	750
500	1200	50	500	1500
1000	1500	100	1000	3000
2000	2000	200	2000	6000
4000	2500	400	4000	12000

* THE THICKNESS OF RIP-RAP, MEASURED AT RIGHT ANGLES TO THE SLOPE, FOR THE CLASS SPECIFIED, SHALL BE THE NOMINAL THICKNESS STATED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR REQUIRED BY THE DEPARTMENTAL REPRESENTATIVE.

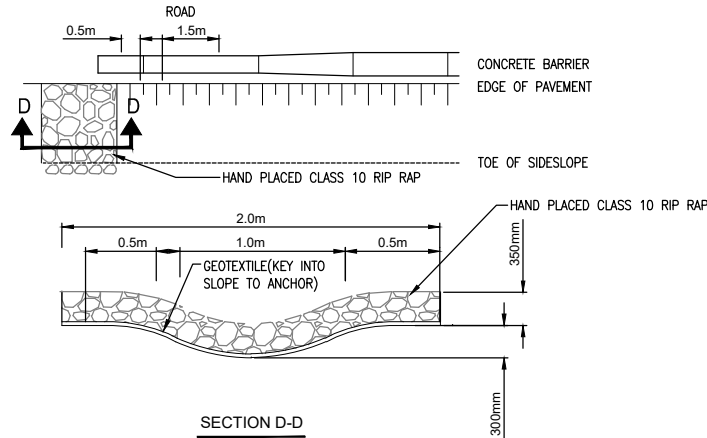


- A. METAL ANCHOR 40mm STEEL PIPE OR EQUIVALENT MIN. LENGTH 2.0m MIN. WEIGHT 5.4kg PER m (2 REQUIRED FOR EACH COUPLING BAND ON DOWN DRAIN PIPE).
B. TWO PIECE COUPLING BAND WITH ANCHOR PLATES.

- NOTES:
1. ALL JOINTS TO BE ANCHORED.
2. MAXIMUM SPACING OF ANCHORS NOT TO EXCEED 9m.
3. ALL 40mm ANCHOR PIPE TO BE DRILLED 15mm FROM TOP END TO RECEIVE 12mm DIAMETER BOLT.
4. 15mm-12mm DIAMETER BOLT TO BE SUPPLIED WITH EACH ANCHOR.

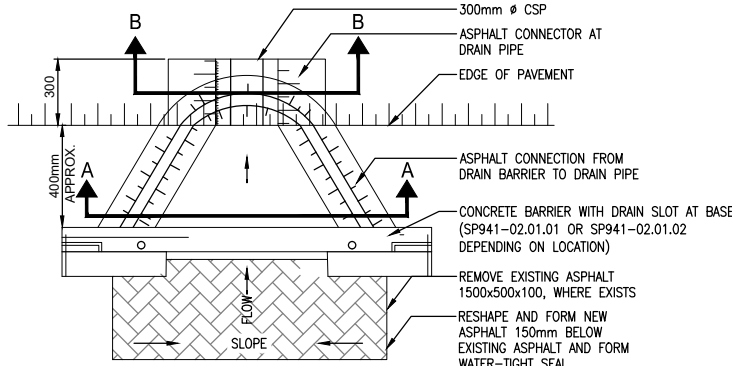
BARRIER DRAIN WITH CSP OR RIP-RAP

N.T.S.

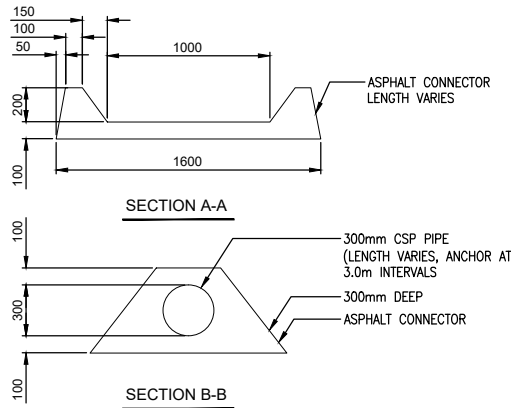


RIP-RAP SPILLWAY

N.T.S.

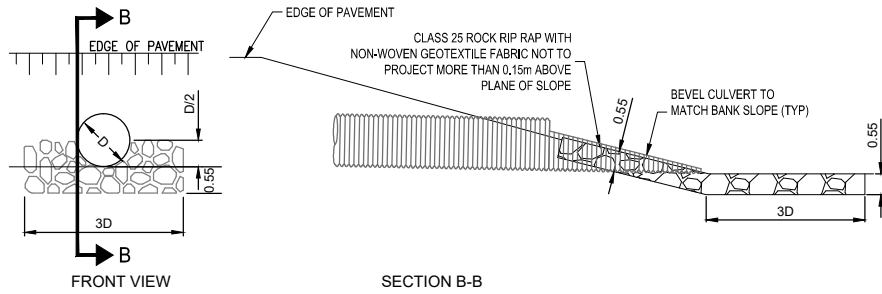


PLAN VIEW

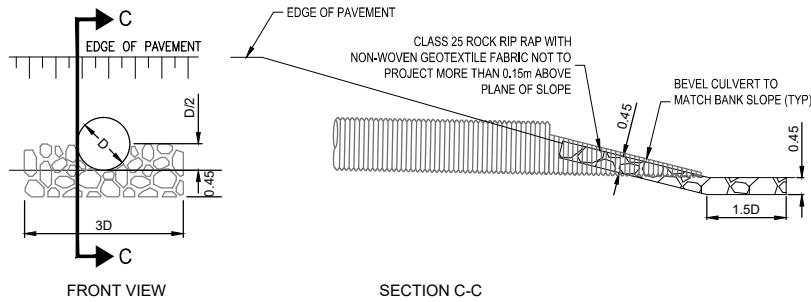


BARRIER DRAIN INLET DETAIL

N.T.S.



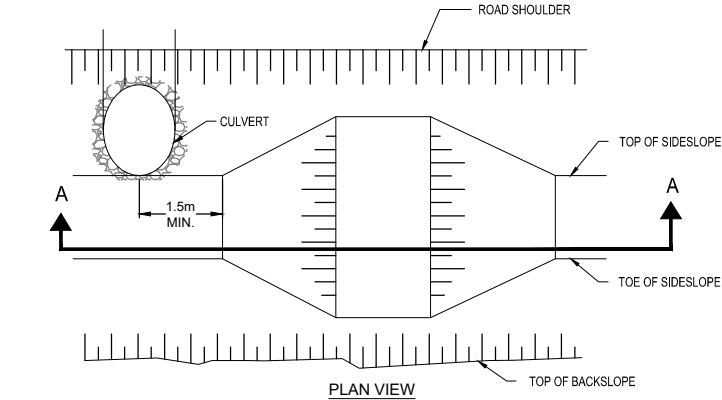
OUTLET



INLET

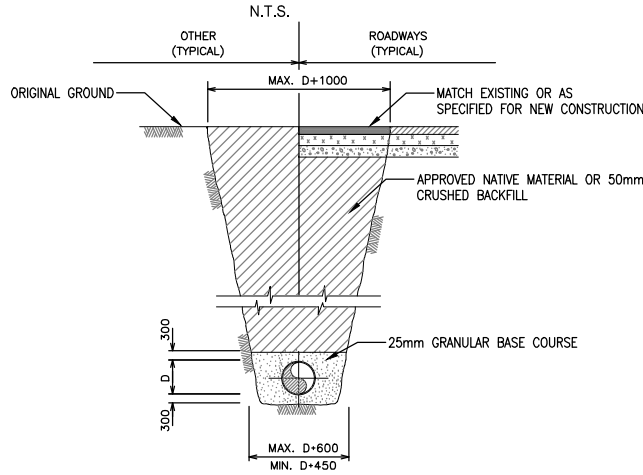
HAND PLACED RIP-RAP FOR CSP CULVERTS

N.T.S.



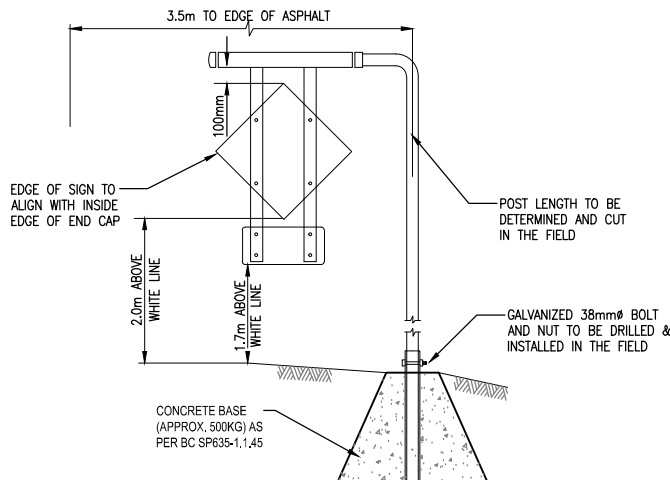
SECTION A-A

DITCH BLOCK DETAILS



TYPICAL CULVERT TRENCH INSTALLATION

N.T.S.



TYPICAL SIGN POST

N.T.S.

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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

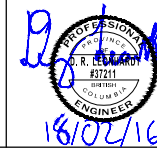


A detail number
B source drawing no.
C detail on drawing no.



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur



Client



Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil



McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

TYPICAL SECTIONS

MISCELLANEOUS DETAILS

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:100

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet
566-04

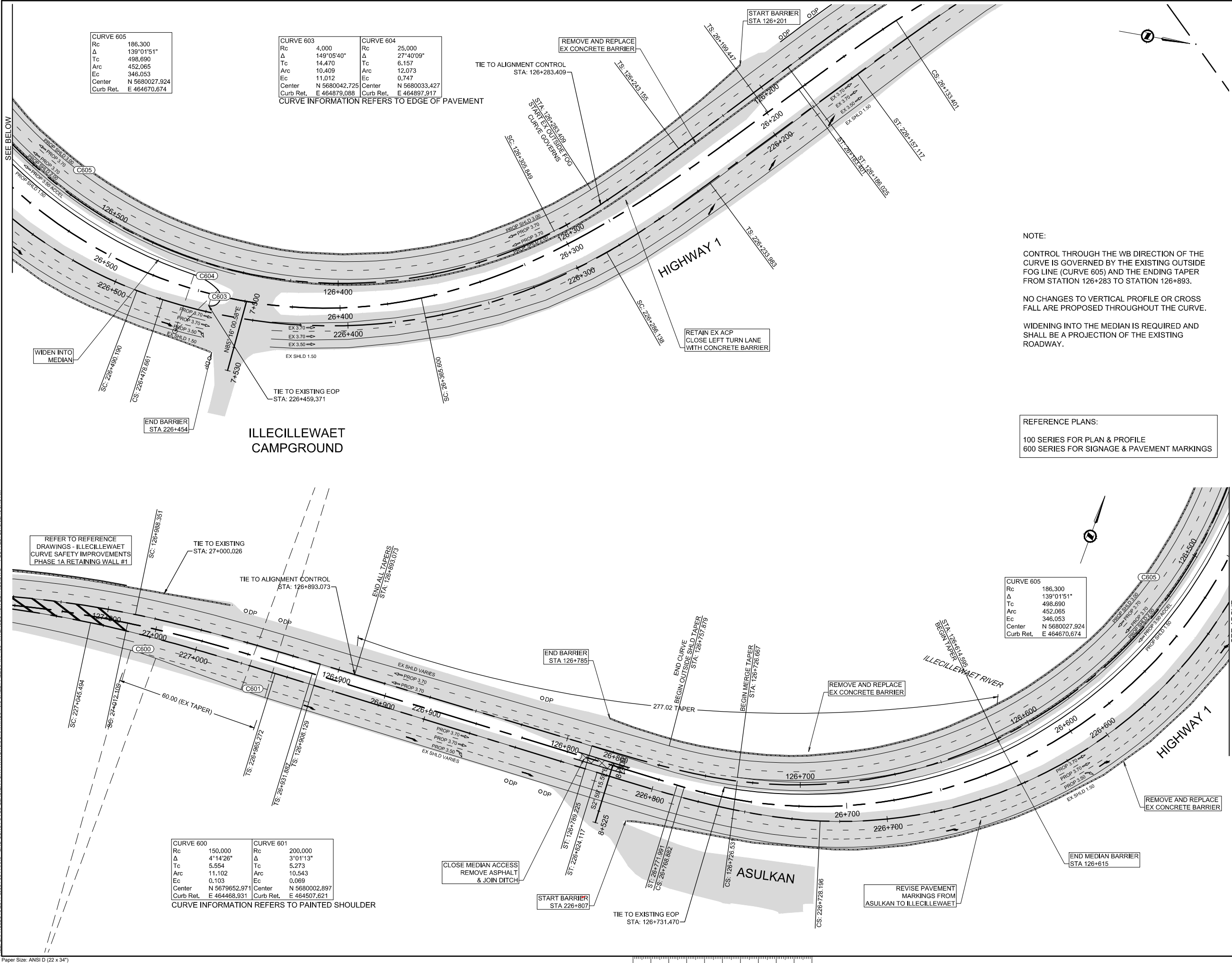
Asset No. / No. du bien

Sheet No.
No. de la feuille

Drawing Reference No. / No. de référence du dessin

14

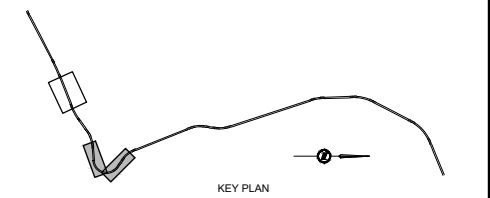
FILE: G:\PROJECTS\2511.00561.00 PARKS - ENG CONST SVCS\GLACIER TCH\PAVING\10.3 SHEET FILES\PIA_400 - INTERSECTION DETAILS.DWG - PLOTTED: 2018/02/16 8:49 AM



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NOTE:
CONTROL THROUGH THE WB DIRECTION OF THE CURVE IS GOVERNED BY THE EXISTING OUTSIDE FOG LINE (CURVE 605) AND THE ENDING TAPER FROM STATION 126+283 TO STATION 126+893.

NO CHANGES TO VERTICAL PROFILE OR CROSS FALL ARE PROPOSED THROUGHOUT THE CURVE.

WIDENING INTO THE MEDIAN IS REQUIRED AND SHALL BE A PROJECTION OF THE EXISTING ROADWAY.

REFERENCE PLANS:
100 SERIES FOR PLAN & PROFILE
600 SERIES FOR SIGNAGE & PAVEMENT MARKINGS

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS

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detail number
numéro de detail
source drawing no.
de dessin no.
detail on drawing no.
detail sur dessin no.

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

INTERSECTION DETAILS

ILLECILLEWAET CAMPGROUND
& ASULKAN TRAILHEAD

Surveyed by / Arpenté par
MCSL

Drawn by / Dessiné par
JKR

Date
2018.02.16

Designed by / Conçu par
DRL

Reviewed by / Révisé par
RAS

Scale / Echelle
1:750

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet
566-04

Asset No. / No. du bien

Sheet No.
No. de la feuille
15

Drawing Reference No. / No. de référence du dessin

406

FILE: G:\PROJECTS\2511.00\561.00 PARKS - ENG CONST SVCS\GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\PIA_400 - INTERSECTION DETAILS.DWG - PLOTTED: 2018/02/16 8:41 AM

ALIGNMENT TABLE (AL900-CP)			
PT.	STATION	NORTHING	EASTING
L900	9+387.000	5679487.4940	463606.3534
C900	9+387.672	5679487.1708	463605.7638
L901	9+470.553	5679416.1426	463577.4951
L902	9+500.000	5679388.1168	463586.5313

LINE TABLE		
LINE	LENGTH	BEARING
L900	0.672	S61°16'30"W
L901	29.447	S17°52'14"E
L902	10.000	S21°52'14"E

CURVE TABLE					
CURVE	RADIUS	LENGTH	Δ	TANGENT	CHORD
C900	60.000	82.881	79°08'44"	49.588	76.447

CP YARD ACCESS

TIE TO EXISTING
STA: 9+451.000

GUN PLATFORM TO BE
RELOCATED BY OTHERS.
FINISHING TO BE PERFORMED
UNDER THIS CONTRACT.

WEST
TURNAROUND

CURVE 701		CURVE 700	
Rc	150.000	Rc	150.000
Δ	5°32'59"	Δ	5°50'29"
Tc	7.270	Tc	7.653
Arc	14.529	Arc	15.293
Ec	0.176	Ec	0.195
Center	N 5679564.764	Center	N 5679306.245
Curb Ret.	E 463628.598	Curb Ret.	E 463782.159

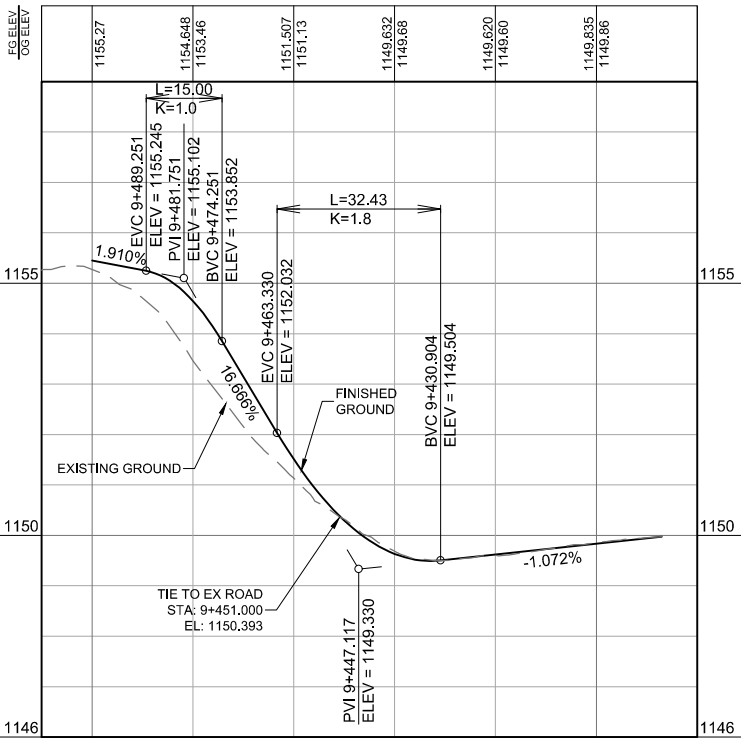
CURVE INFORMATION REFERS TO LEFT TURN TAPER

CURVE 702		CURVE 703		CURVE 704		CURVE 705	
Rc	15.000	Rc	15.000	Rc	16.500	Rc	14.500
Δ	46°02'42"	Δ	44°43'05"	Δ	156°42'08"	Δ	64°11'39"
Tc	6.374	Tc	6.170	Tc	80.035	Tc	9.095
Arc	12.055	Arc	11.707	Arc	45.127	Arc	16.246
Ec	1.298	Ec	1.219	Ec	65.218	Ec	2.616
Center	N 5679418.199	Center	N 5679404.860	Center	N 5679379.964	Center	N 5679379.204
Curb Ret.	E 463595.744	Curb Ret.	E 463562.221	Curb Ret.	E 463604.351	Curb Ret.	E 463635.342

CURVE INFORMATION REFERS TO PAINTED SHOULDER

CURVE 706	
Rc	25.000
Δ	61°49'36"
Tc	14.970
Arc	26.977
Ec	4.139
Center	N 5679375.908
Curb Ret.	E 463639.619

CURVE INFORMATION REFERS TO INSIDE PAINTED SHOULDER



CP ACCESS ROAD PROFILE

1:750

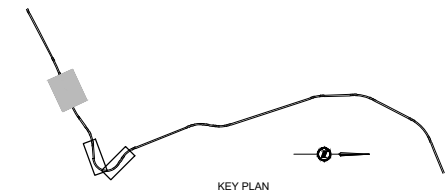
HIGHWAY 1

REFERENCE PLANS:
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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS



A detail number
B source drawing no.
C de dessin no.
detail on drawing no.
detail sur dessin no.



Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
-------------------------------------------------	----------------------------------------

Client	Parks Canada Agency Western and Northern Region L'Agence Parcs Canada Ouest et Nord du Canada
--------	--------------------------------------------------------------------------------------------------------------

Consultant's Name Nom de l'expert-conseil	McElhanney McElhanney Consulting Services Ltd.
----------------------------------------------	----------------------------------------------------------

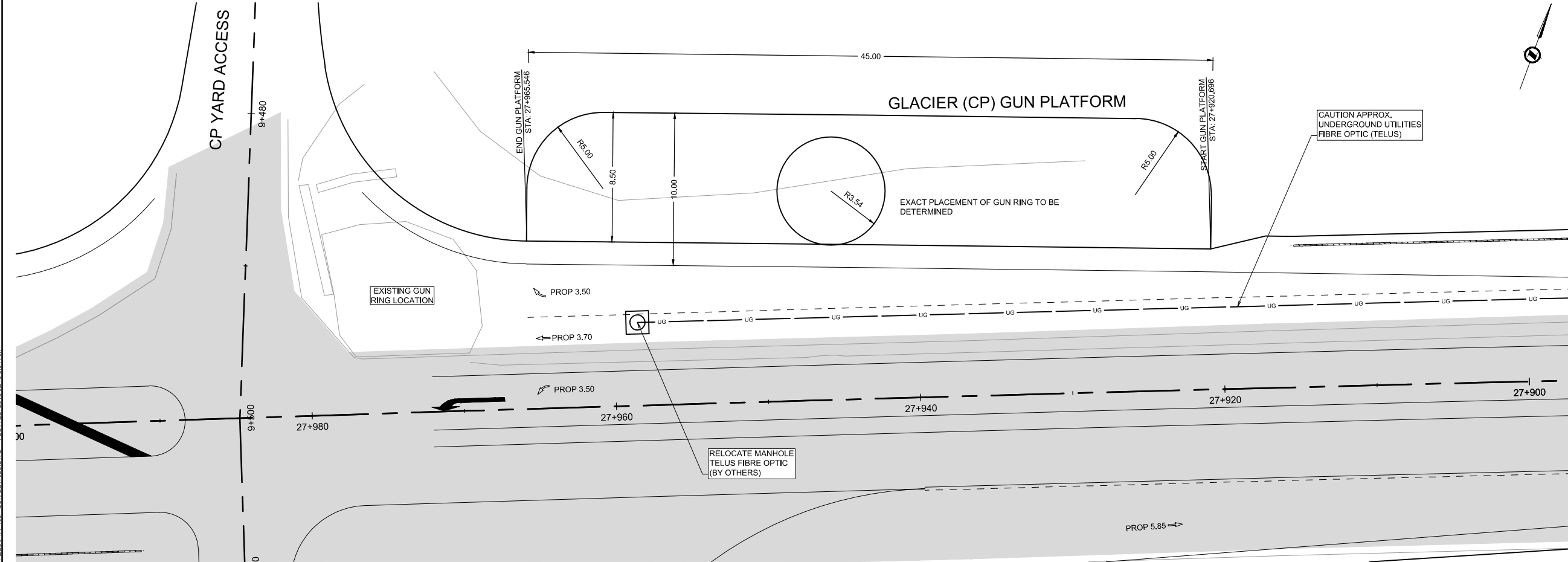
Project Title Titre du projet	TRANS-CANADA HIGHWAY ILLECILLEWAET CURVE SAFETY IMPROVEMENTS PHASE 1A & PAVEMENT REHABILITATION ROGERS PASS GLACIER NATIONAL PARK, BC
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Drawing Title Titre du dessin	INTERSECTION DETAILS CP ACCESS & WEST TURNAROUND
----------------------------------	--------------------------------------------------------

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:750

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client	Approved by / Approuvé par	
Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. No. de la feuille 16
Drawing Reference No. / No. de référence du dessin		407

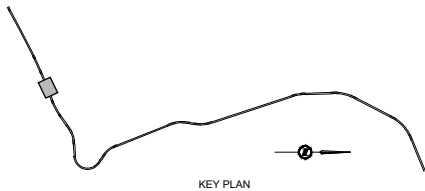
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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A

B

C

A

B

C

A

B

C

detail number
numéro de détail

source drawing no.
de dessin no.

detail on drawing no.
détail sur dessin no.

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

18/02/16

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

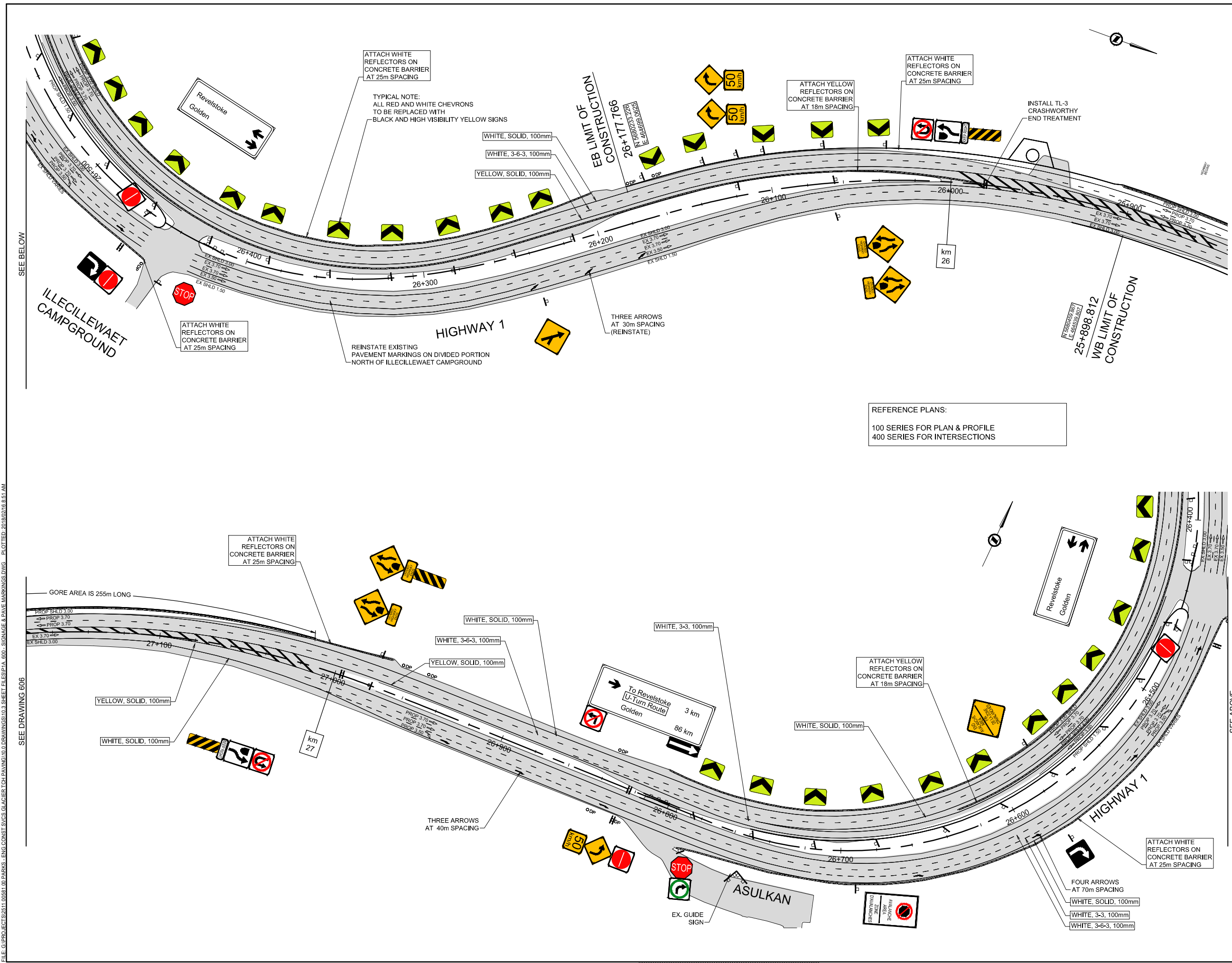
INTERSECTION DETAILS

GUN PLATFORM RELOCATION
GLACIER (CP) GP

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.09
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:150

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. No. de la feuille 17
Drawing Reference No. / No. de référence du dessin 408		

FILE: G:\PROJECTS\52511_00581_00 PARKS - ENG CONST SVCS\GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\10.3 SIGNAGE & PAVE MARKINGS.DWG PLOTTED: 2018/02/18 8:51 AM



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KEY PLAN

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS

A

B

C

A

B

C

A

B

C

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

SIGNAGE & PAVEMENT MARKINGS

Surveyed by / Arpenté par
MCSL

Drawn by / Dessiné par
JKR

Date
2018.02.09

Designed by / Conçu par
DRL

Reviewed by / Révisé par
RAS

Scale / Echelle
1:1000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet
566-04

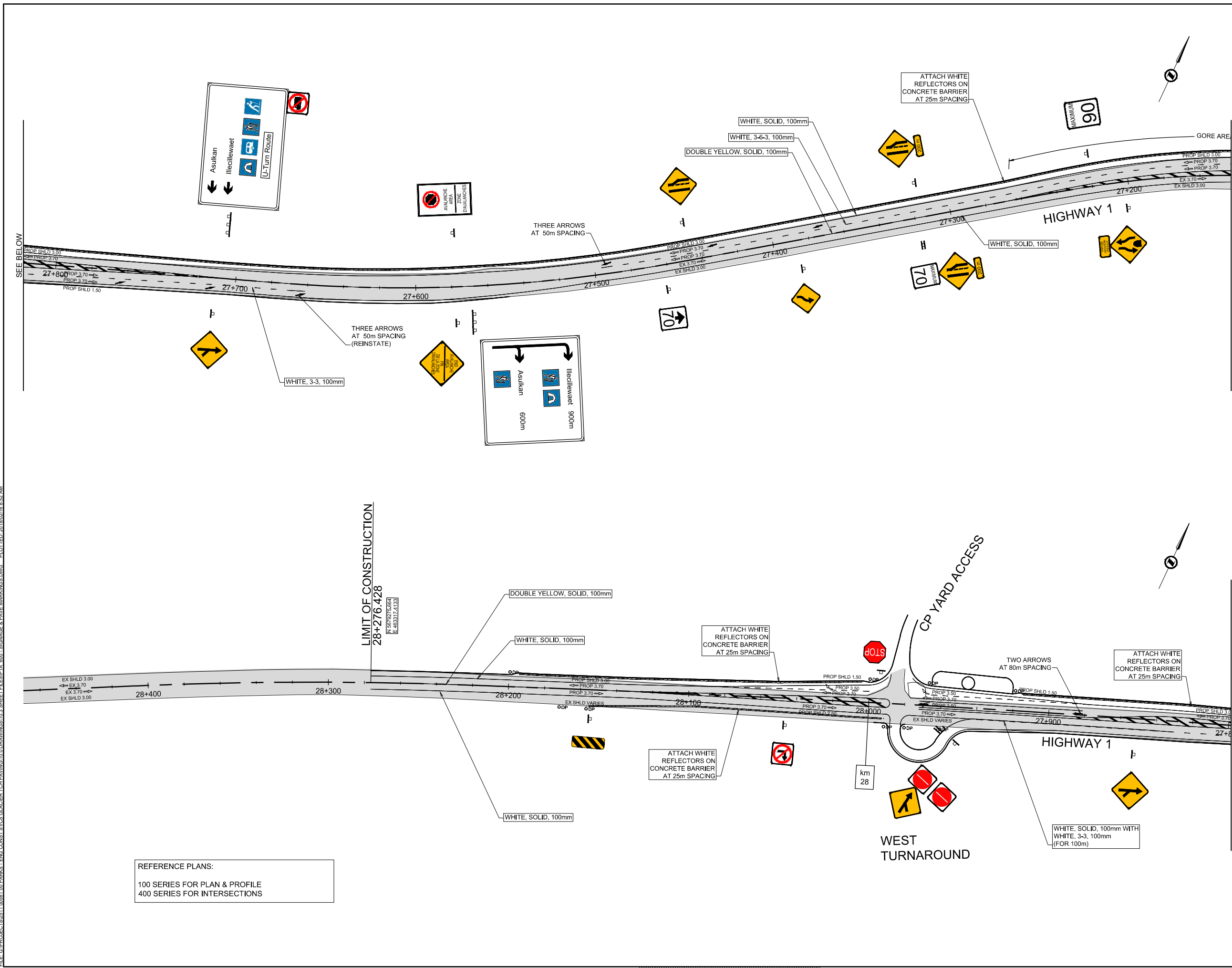
Asset No. / No. du-bien

Sheet No.
No. de la feuille
18

Drawing Reference No. / No. de référence du dessin

605

FILE: G:\PROJECTS\5411.00\5411.00 PARKS - ENG CONST SVCS GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\1A.600 - SIGNAGE & PAVE MARKINGS.DWG - PLOTTED: 2018/02/18 8:52 AM



REFERENCE PLANS:
100 SERIES FOR PLAN & PROFILE
400 SERIES FOR INTERSECTIONS

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KEY PLAN

0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

SIGNAGE & PAVEMENT MARKINGS

TRANS-CANADA HIGHWAY
STA 27+150 TO STA 28+450

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.09
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:1000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client		Approved by / Approuvé par

Project No. / No. du projet 566-04	Asset No. / No. du bien	Sheet No. No. de la feuille 19
Drawing Reference No. / No. de référence du dessin 606		

FILE: G:\PROJECTS\5411-00561-00 PARKS - ENG CONST SVCS GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\PIA_700 - CULVERT TABLE.DWG PLOTTED: 2018/02/16 8:43 AM

CULVERT INSTALLATION TABLE																								
ID	STATION	TYPE	WT (mm)	SIZE (mm)	LENGTH (m)									SKEW (d)		INVERT COORDINATES						RIP RAP (m3)		REMARKS
					RT			LT			OVERALL					RT			LT			RT	LT	
					REMOVE	NEW	ELBOW	REMOVE	NEW	ELBOW	REMOVE	NEW	TOTAL	ANGLE		N	E	Z	N	E	Z			
19	26+340	CSP	2.0	800	-	-	-	-	-	-	-	-	55.3	5d51'	LHF	5680125.307	464816.551	1213.461	5680164.110	464855.895	1217.266	-	-	ABANDON IN PLACE
19b	26+290	CSP	2.0	900	-	-	-	-	-	-	-	58.5	58.5	5d51'	LHF	5680154.076	464793.857	1216.554	5680210.020	464810.352	1220.355	2.8	3.3	EXISTING - RETAIN IN PLACE
19c	26+200	CSP	2.0	900	-	-	-	-	-	-	-	-	-	-	LHF							-	-	EXISTING - RETAIN IN PLACE
20	26+415	CSP	1.6	450	-	-	-	-	-	-	-	-	28.3	6d40'	LHF	5680066.642	464844.102	1209.973	5680077.897	464870.115	1211.391	-	-	MEDIAN DRAIN, CLEAN INLET
20b	26+440	CSP	2.0	900	-	-	-	-	-	-	-	-	20.2	-	RHF	5680071.457	464899.654	1209.364	5680044.333	464905.866	1207.209	-	-	EX -UNDER ILLECILLEWAET ACCESS
21	26+669	CSP	2.0	900	-	-	-	-	-	-	-	-	75.2	2d04'	RHF	5679889.987	464768.298	1190.875	5679824.809	464805.718	1193.711	-	-	CLEAN
22	26+818	CSP	2.0	900	-	-	-	-	-	-	-	-	44.4	0d45'	LHF	5679847.398	464642.167	1194.148	5679803.122	464645.060	1195.799	-	-	CLEAN
23	27+001	CSP	2.0	900	-	-	-	-	-	-	-	-	43.9	2d30'	RHF	5676836.037	464459.915	1188.133	5679792.230	464463.363	1189.826	-	-	CLEAN
24	27+093	CSP	1.6	600	0.0	5.2	-	0.0	0.0	-	0.0	5.2	39.8	3d10'	RHF	5679818.145	464365.040	1184.660	5679780.130	464375.630	1186.784	6.6	-	CLEAN INLET, EXTEND OUTLET
25	27+230	CSP	2.0	900	0.0	4.0	-	0.0	0.0	-	0.0	4.0	34.4	3d37'	RHF	5679749.636	464238.984	1180.555	5679720.721	464257.417	1181.947	3.3	-	CLEAN INLET, EXTEND OUTLET
26	27+519	CSP	2.0	800	-	-	-	-	-	-	31.4	31.4	31.4	0d	-	5679581.918	464004.307	1168.609	5679554.991	464020.543	1170.759	12.9	-	REMOVE AND REPLACE
27	27+570	CSP	2.8	1200	0.0	6.0	-	0.0	0.0	-	0.0	6.0	39.0	13d46'	RHF	5679561.711	463962.751	1165.135	5679523.879	463971.870	1167.677	22.1	-	CLEAN INLET, EXTEND OUTLET
27b	27+640	CSP	2.0	660 / 700	0.0	6.7	-	-	-	-	0.0	6.7	34.3	-	-	5679529.713	463897.059	1163.470	5679498.304	463910.501	1166.011	42.1	-	EXTEND OUTLET (w/ 700mm)
27c	27+887	CSP	2.0	760 / 800	-	-	-	-	-	-	28.8	51.0	51.0	-	-	5679452.789	463666.576	1150.891	5679405.284	463684.414	1155.214	5.2	4.5	REMOVE (760) AND REPLACE (800)
27d	28+099	CSP	2.8	1200	-	-	-	-	-	-	-	-	49.4	-	-	5679365.590	463471.375	1142.405	5679319.747	463489.795	1145.100	-	-	EXISTING - RETAIN IN PLACE
P4	27+936	CSP	2.0	900	-	-	-	-	-	-	-	49.8	49.8	-	RHF	5679374.819	463632.561	1151.837	5679355.808	463586.663	1148.153	2.8	3.3	UNDER WEST TURNAROUND
P5	27+975	CSP	2.0	600	-	-	-	-	-	-	-	14.3	14.3	-	RHF	5679374.866	463601.324	1153.756	5679363.372	463592.831	1153.274	5.9	2.8	DRAINS TURNAROUND MEDIAN

NOTES:




CONTRACTOR TO CONFIRM ACTUAL CULVERT LENGTHS, SIZES AND WEIGHTS PRIOR TO ORDERING TO SITE.

ALL INLET AND OUTLET LOCATIONS TO BE CONFIRMED ON SITE AND APPROVED BY DEPARTMENTAL REPRESENTATIVE.

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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
<div><div><div>A</div><div>B</div><div>C</div></div><div>A detail number numéro de détail source drawing no. de dessin no. detail on drawing no. détail sur dessin no.</div></div>			<div><div><div>A</div><div>B</div><div>C</div></div></div>		
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur <div> 18/02/16</div>		
Client <div><div><div>Parks Canada Agency Western and Northern Region</div></div><div>L'Agence Parcs Canada Ouest et Nord du Canada</div></div>					
Consultant's Name Nom de l'expert-conseil <div><div>McElhanney McElhanney Consulting Services Ltd.</div></div>					
Project Title Titre du projet TRANS-CANADA HIGHWAY ILLECILLEWAET CURVE SAFETY IMPROVEMENTS PHASE 1A & PAVEMENT REHABILITATION ROGERS PASS GLACIER NATIONAL PARK, BC					
Drawing Title Titre du dessin CULVERT INSTALLATION TABLE					
Surveyed by / Arpenté par MCSL		Drawn by / Dessiné par JKR		Date 2018.02.09	
Designed by / Conçu par DRL		Reviewed by / Révisé par RAS		Scale / Echelle	
Parks Canada Project Manager / Administrateur de Projets Parcs Canada ----					
Client Acceptance / Acceptation du client <div><div>Parks Canada Responsible Officer / Agent Responsable Parcs Canada</div></div>			Approved by / Approuvé par <div><div>Parks Canada Project Manager / Administrateur de Projets Parcs Canada</div></div>		
Project No. / No. du projet 566-04		Asset No. / No. du-bien		Sheet No. No. de la feuille 20	
Drawing Reference No. / No. de référence du dessin 700					

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90

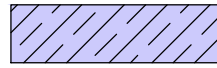
100mm

FILE: G:\PROJECTS\2511_08581_00 PARKS - ENG CONST SVCS\GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\PIA_900-BORROW SITE PLAN.DWG PLOTTED: 2018/02/16 8:48 AM

Paper Size: ANSI D (22 x 34")



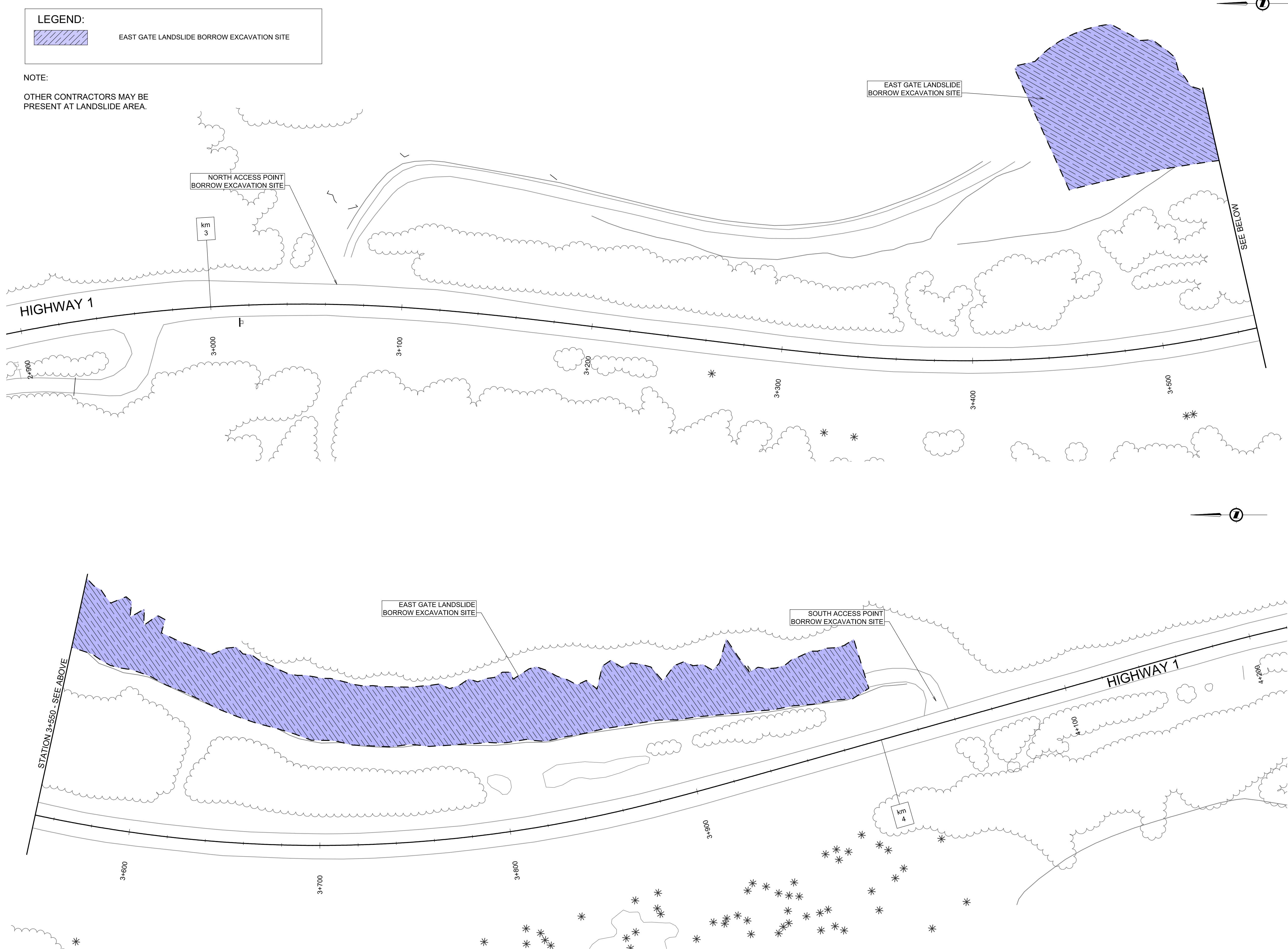
LEGEND:



EAST GATE LANDSLIDE BORROW EXCAVATION SITE

NOTE:

OTHER CONTRACTORS MAY BE PRESENT AT LANDSLIDE AREA.

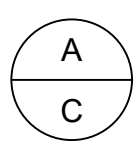


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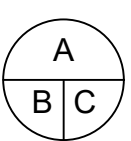
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0	2018.02.16	ISSUED FOR TENDER	JKR	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
numéro de détail
B source drawing no.
de dessin no.
C detail on drawing no.
détail sur dessin no.



Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
-------------------------------------------------	------------------------------------

Client	
 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada

Consultant's Name Nom de l'expert-conseil
 McElhanney McElhanney Consulting Services Ltd.

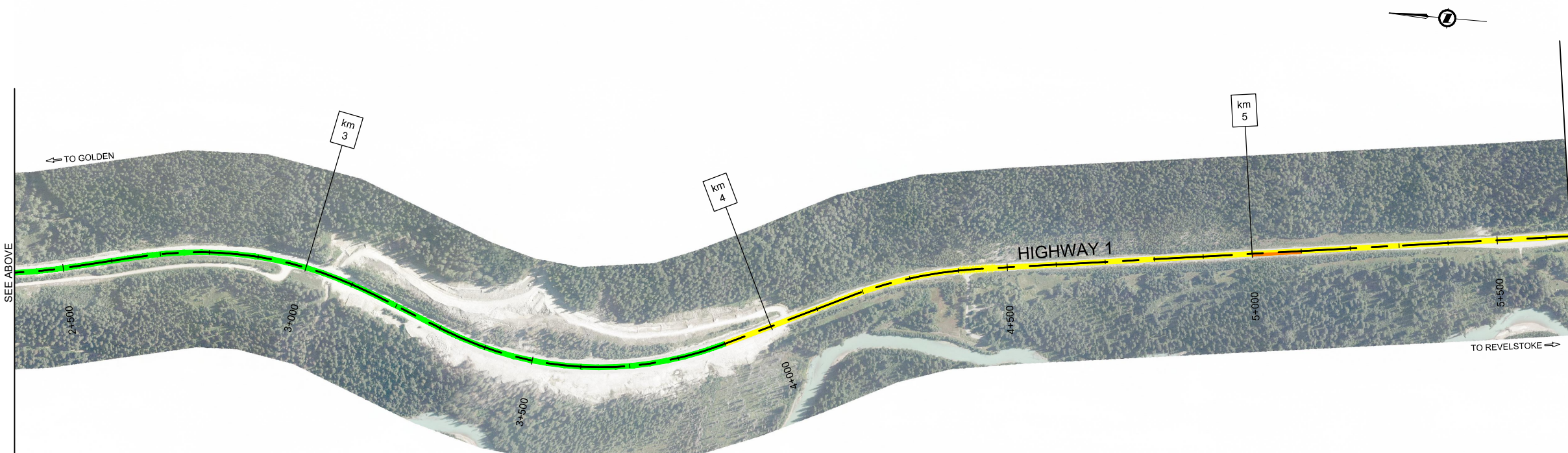
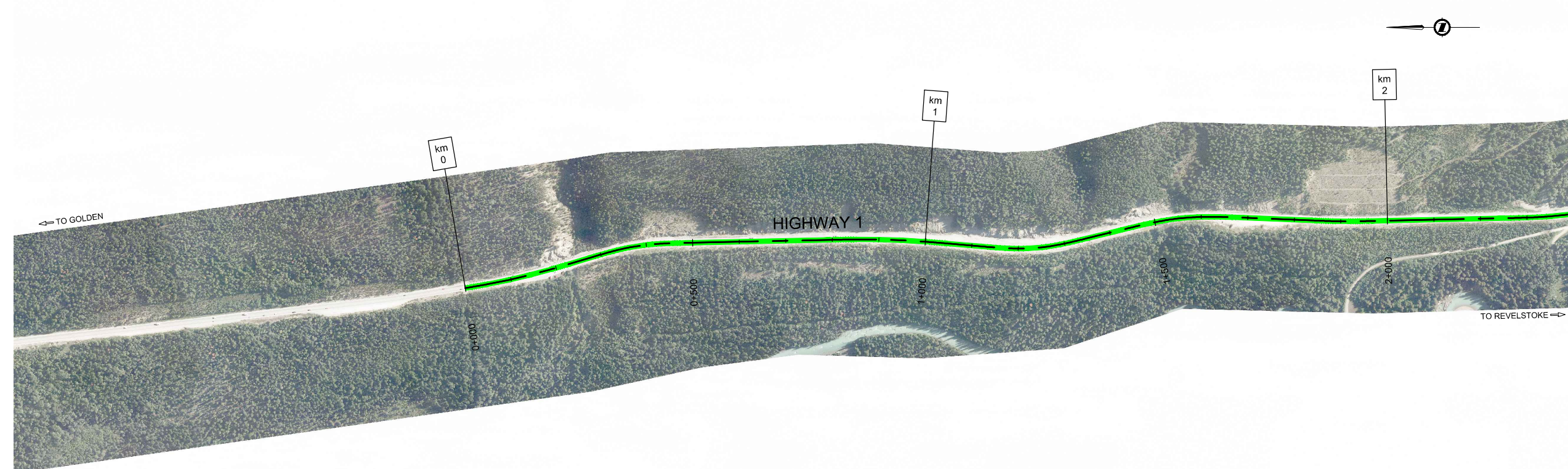
Project Title Titre du projet
TRANS-CANADA HIGHWAY ILLECILLEWAET CURVE SAFETY IMPROVEMENTS PHASE 1A & PAVEMENT REHABILITATION ROGERS PASS GLACIER NATIONAL PARK, BC

Drawing Title Titre du dessin
EAST GATE LANDSLIDE BORROW EXCAVATION AREA TRANS-CANADA HIGHWAY STA 2+900 TO STA 4+200

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.02.09
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Échelle 1:1000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Aceptation du client		Approved by / Approuvé par
Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet 566-04	Asset No. / No. du bien	Sheet No. No. de la feuille 21
Drawing Reference No. / No. de référence du dessin 901		

FILE: G:\PROJECTS\2511_00581_00 PARKS - ENG CONST SVCS GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\1000 - B14 PAVING PLANS.DWG - PLOTTED: 2018/02/16 9:22 AM



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- LEGEND**
- CRACK SEALING
 - MILL AND FILL PATCH
 - MILL AND FILL + OVERLAY
 - BARRIER REMOVE + REPLACE W/ NEW
 - PULLOUT 50mm OVERLAY
 - PROFILE MILLING + OVERLAY
 - NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A

B

C

detail number
numéro de detail

source drawing no.
de dessin no.

detail on drawing no.
detail sur dessin no.

A

B

C

Eng. Stamp
Sceau de l'expert-conseil

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

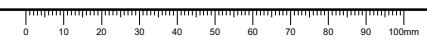
**TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION**
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

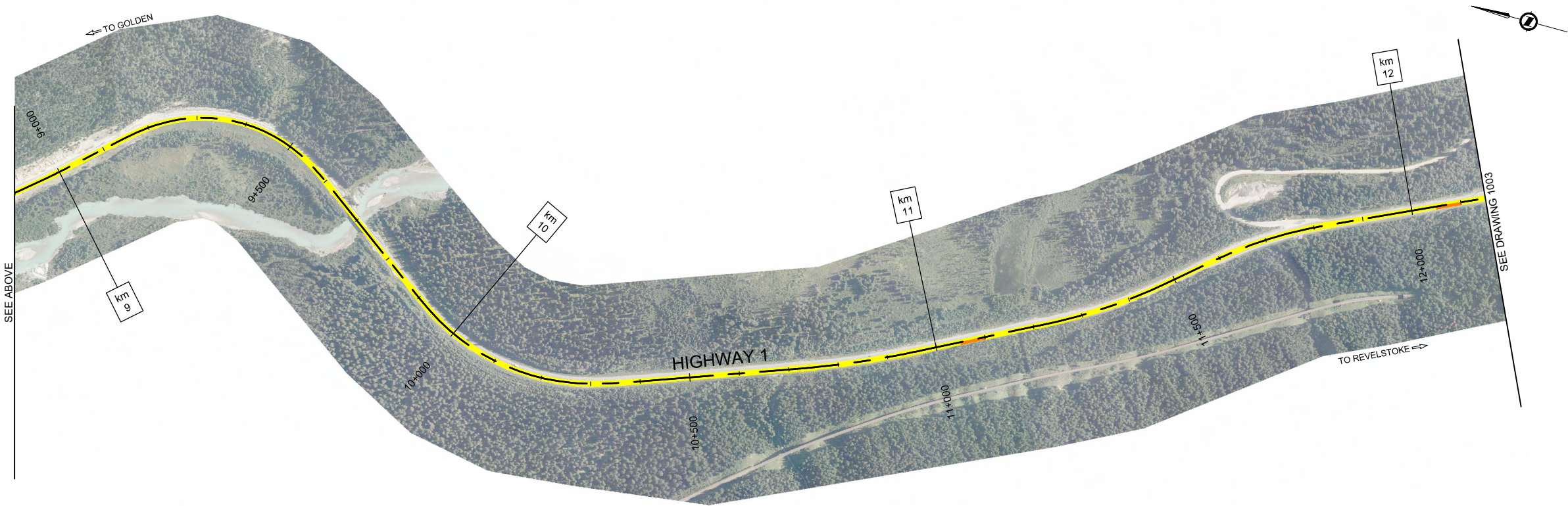
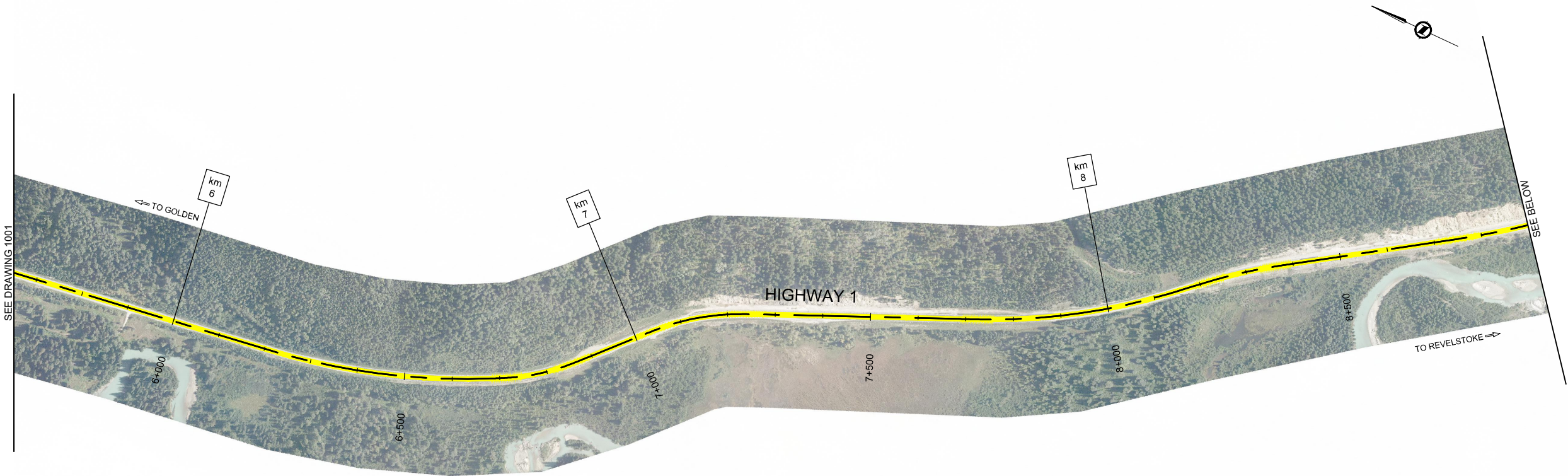
**PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 0+000 TO STA 5+650**

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par LJ	Date 2018.02.13
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Project No. / No. du projet 566-04		Asset No. / No. du bien
Drawing Reference No. / No. de référence du dessin 1001		Sheet No. / No. de la feuille 22



FILE G:\PROJECTS\2511.00561.00 PARKS - ENG CONST SVCS GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\1000 - B14 PAVING PLANS.DWG PLOTTED: 2018/02/16 9:23 AM



NOTE:
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LEGEND

- CRACK SEALING
- MILL AND FILL PATCH
- MILL AND FILL + OVERLAY
- BARRIER REMOVE + REPLACE W/ NEW
- PULLOUT 50mm OVERLAY
- PROFILE MILLING + OVERLAY
- NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
numéro de détail
B source drawing no.
de dessin no.
C detail on drawing no.
détail sur dessin no.



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

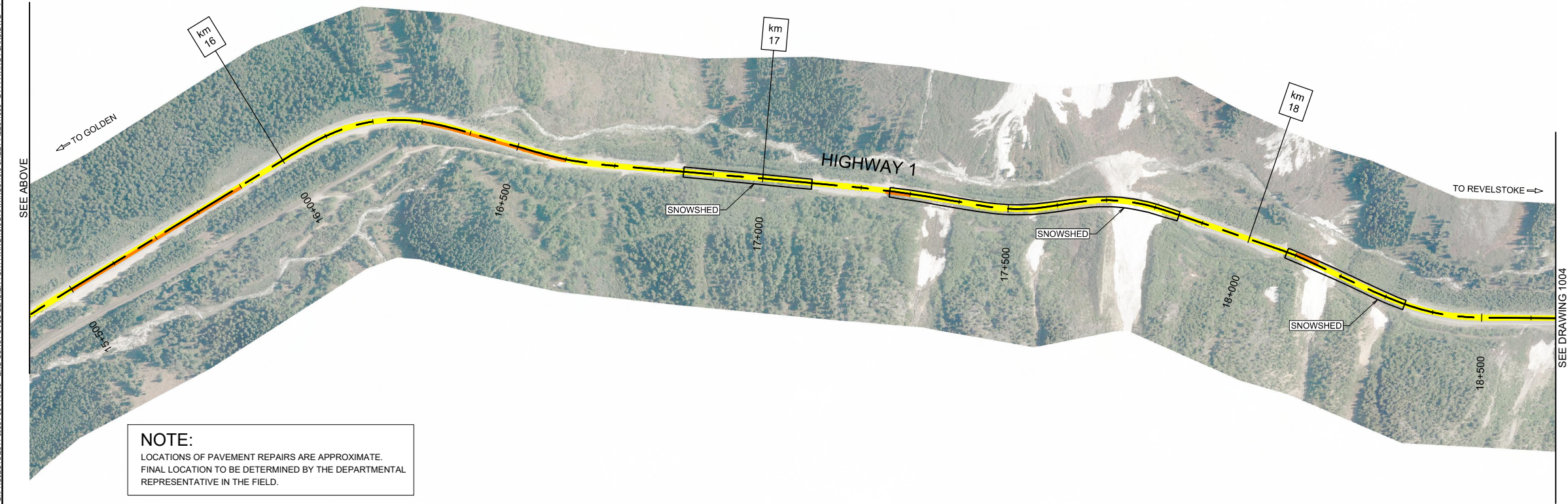
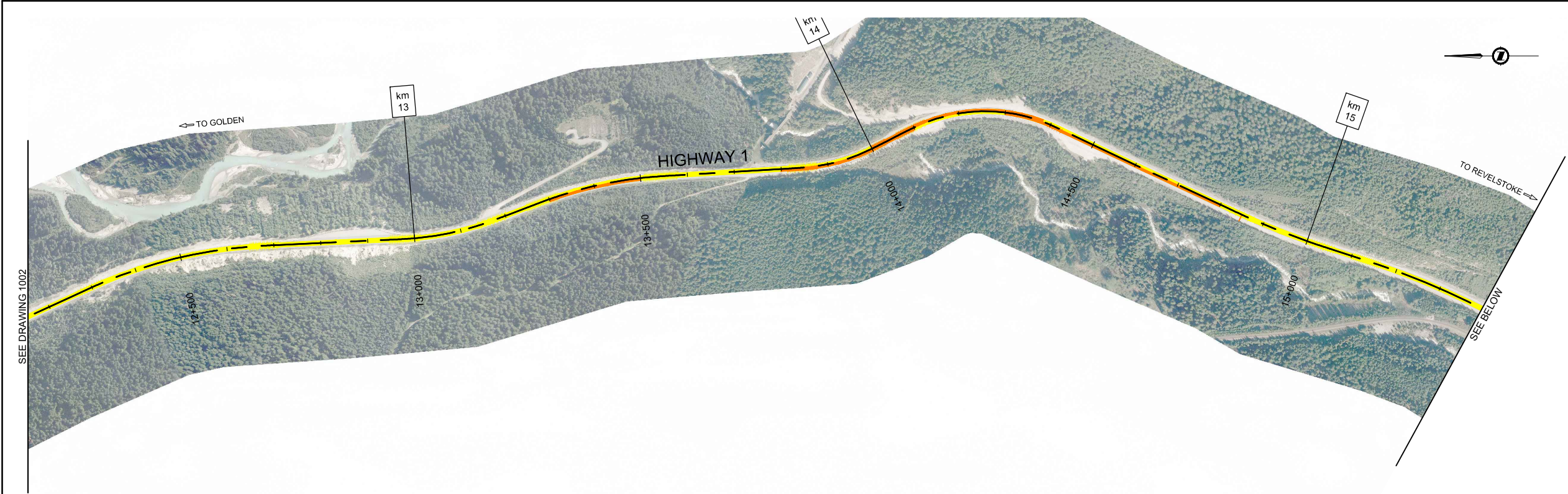
PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 5+650 TO STA 12+150

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par LJ	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Parks Canada Regional Office / Agence Régionale des Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet 566-04	Asset No. / No. du bien	Sheet No. / No. de la feuille 23
Drawing Reference No. / No. de référence du dessin 1002		



FILE: G:\PROJECTS\2511.00561.00 PARKS - ENG CONST SVCS\GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\1003 - B14 PAVING PLANS.DWG - PLOTTED: 2018/02/16 9:23 AM



NOTE:
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LEGEND

- CRACK SEALING
- MILL AND FILL PATCH
- MILL AND FILL + OVERLAY
- BARRIER REMOVE + REPLACE W/ NEW
- PULLOUT 50mm OVERLAY
- PROFILE MILLING + OVERLAY
- NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
numéro de détail
B source drawing no.
de dessin no.
C detail on drawing no.
détail sur dessin no.



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

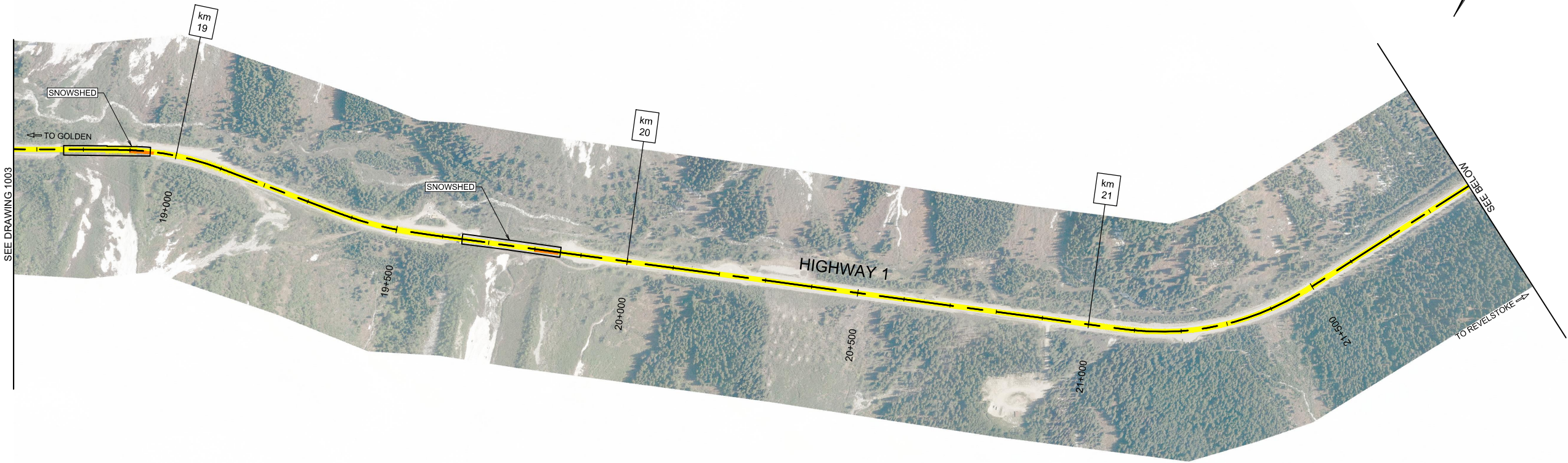
PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 12+150 TO STA 18+650

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par LJ	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Project No. / No. du projet 566-04		Asset No. / No. du-bien
Drawing Reference No. / No. de référence du dessin 1003		Sheet No. / No. de la feuille 24



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NOTE:
LOCATIONS OF PAVEMENT REPAIRS ARE APPROXIMATE.
FINAL LOCATION TO BE DETERMINED BY THE DEPARTMENTAL
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LEGEND

- CRACK SEALING
- MILL AND FILL PATCH
- MILL AND FILL + OVERLAY
- BARRIER REMOVE + REPLACE W/ NEW
- PULLOUT 50mm OVERLAY
- PROFILE MILLING + OVERLAY
- NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
numéro de détail
B source drawing no.
de dessin no.
C detail on drawing no.
détail sur dessin no.



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 18+650 TO STA 25+150

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par LJ	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client	Approved by / Approuvé par

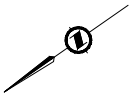
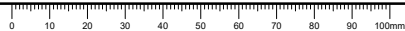
Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. No. de la feuille 25
Drawing Reference No. / No. de référence du dessin 1004		

FILE: G:\PROJECTS\2511_00561_00 PARKS - ENG CONST SVCS\GLACIER TCH PAVING\10.0 DRAWINGS\10.3 SHEET FILES\1000 - B14 PAVING PLANS.DWG PLOTTED: 2018/02/16 9:24 AM

SEE DRAWING 1004



NOTE:
LOCATIONS OF PAVEMENT REPAIRS ARE APPROXIMATE.
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LEGEND

- CRACK SEALING
- MILL AND FILL PATCH
- MILL AND FILL + OVERLAY
- BARRIER REMOVE + REPLACE W/ NEW
- PULLOUT 50mm OVERLAY
- PROFILE MILLING + OVERLAY
- NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
B source drawing no.
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Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

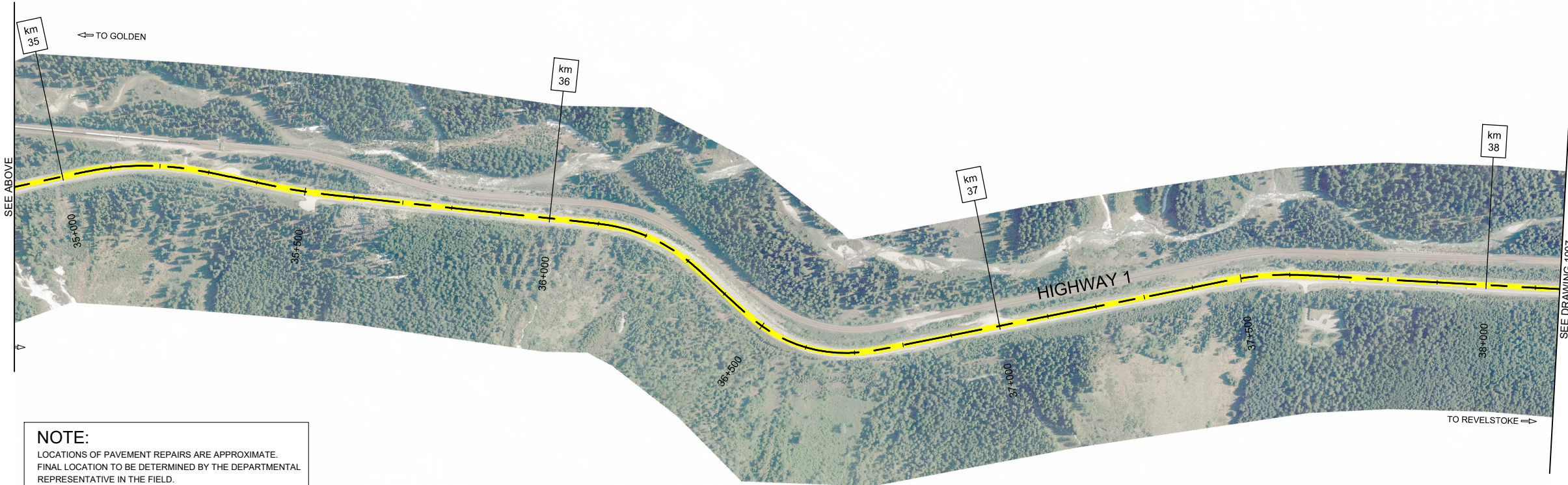
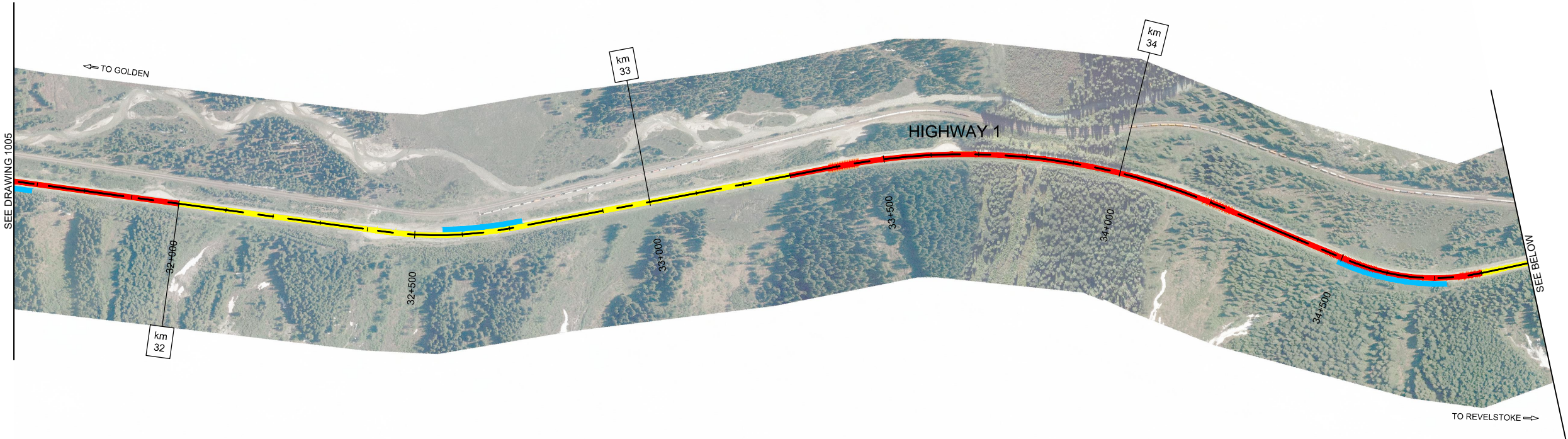
PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 25+150 TO STA 31+650

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par LJ	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Parks Canada Responsable Officiel / Agent Responsables Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. No. de la feuille 26
Drawing Reference No. / No. de référence du dessin 1005		

FILE: G:\PROJECTS\2511_00561_00 PARKS - ENG CONST SVCS GLACIER TCH PAVING\10.3 DRAWINGS\10.3 SHEET FILES\1009 - B14 PAVING PLANS.DWG - PLOTTED: 2018/02/16 9:24 AM



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LEGEND

- CRACK SEALING
- MILL AND FILL PATCH
- MILL AND FILL + OVERLAY
- BARRIER REMOVE + REPLACE W/ NEW
- PULLOUT 50mm OVERLAY
- PROFILE MILLING + OVERLAY
- NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number
B source drawing no.
C detail on drawing no.



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

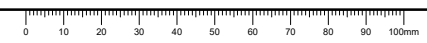
Drawing Title
Titre du dessin

PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 31+650 TO STA 38+150

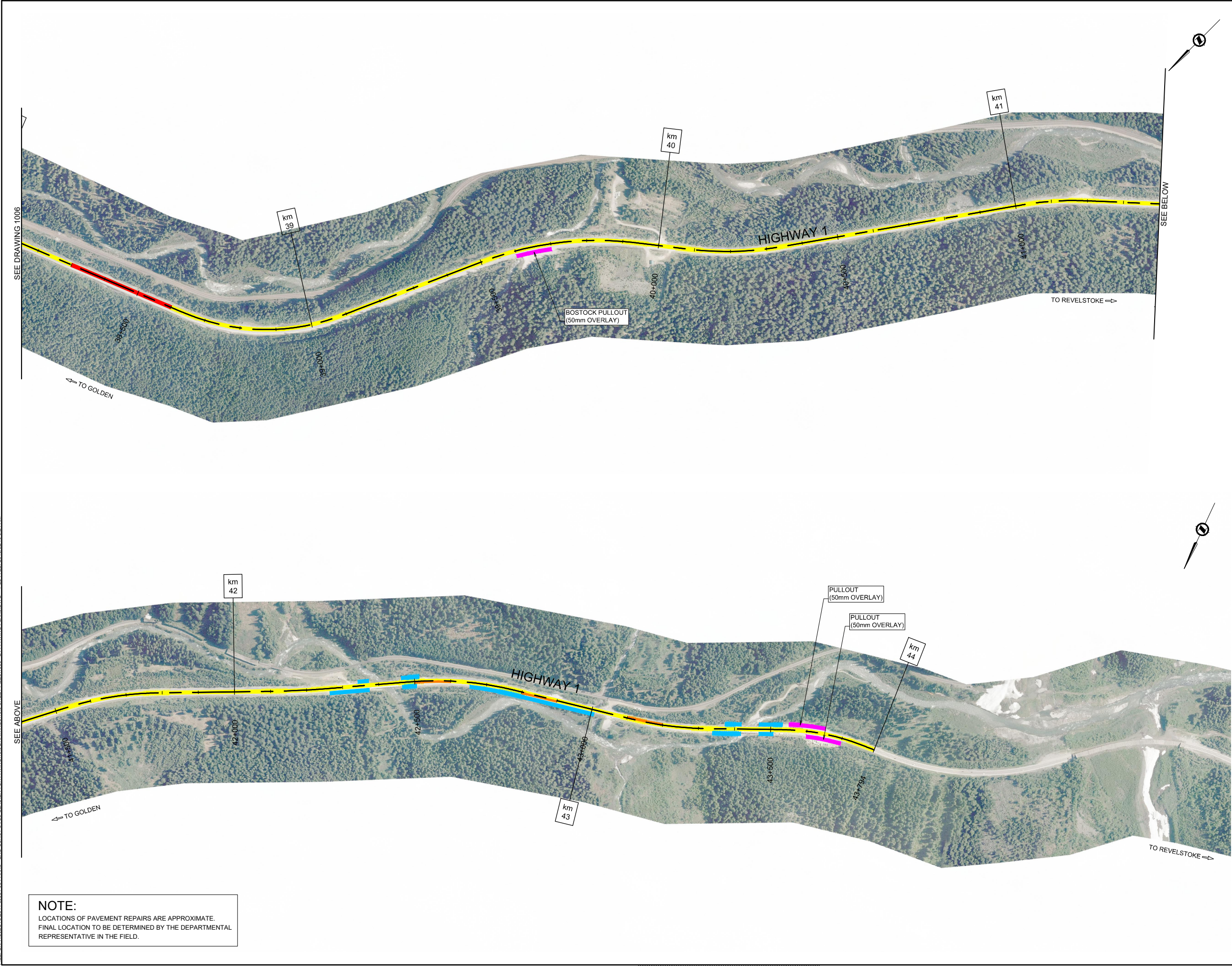
Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par LJ	Date 2018.02.16
Designed by / Conçu par DRL	Reviewed by / Révisé par RAS	Scale / Echelle 1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		----
Client Acceptance / Acceptation du client	Approved by / Approuvé par	
<small>Parks Canada Responsable Office / Agent Responsables Parcs Canada</small>	<small>Parks Canada Project Manager / Administrateur de Projets Parcs Canada</small>	

Project No. / No. du projet 566-04	Asset No. / No. du-bien	Sheet No. / No. de la feuille 27
Drawing Reference No. / No. de référence du dessin 1006		



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LEGEND

- CRACK SEALING
- MILL AND FILL PATCH
- MILL AND FILL + OVERLAY
- BARRIER REMOVE + REPLACE W/ NEW
- PULLOUT 50mm OVERLAY
- PROFILE MILLING + OVERLAY
- NO WORK REQUIRED

0	2018.02.16	ISSUED FOR TENDER	LJ	DRL	RAS
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A

C

A

B

C

A detail number
numéro de detail
B source drawing no.
de dessin no.
C detail on drawing no.
detail sur dessin no.

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

Client

Consultant's Name
Nom de l'expert-conseil

McElhanney
McElhanney Consulting Services Ltd.

Project Title
Titre du projet

TRANS-CANADA HIGHWAY
ILLECILLEWAET CURVE SAFETY IMPROVEMENTS
PHASE 1A & PAVEMENT REHABILITATION
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

PAVEMENT REHABILITATION
& ROADWAY REPAIRS
TRANS-CANADA HIGHWAY
STA 38+150 TO STA 43+794

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
MCSL	LJ	2018.02.16
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
DRL	RAS	1:5000

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client	Approved by / Approuvé par
<div>Parks Canada Responsable Officiel / Agent Responsables Parcs Canada</div>	<div>Parks Canada Project Manager / Administrateur de Projets Parcs Canada</div>

Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. No. de la feuille
566-04		28

Drawing Reference No. / No. de référence du dessin

1007