



McElhanney

McElhanney Consulting Services Ltd.

for / pour



Parks Canada Agency
Western and Northern
Region

L'Agence Parcs Canada
Ouest et Nord
du Canada

**CONNAUGHT CREEK WEIR REMOVAL &
PASSIVE WATER SYSTEM UPGRADE**

ROGERS PASS
GLACIER NATIONAL PARK, BC

ISSUED FOR TENDER

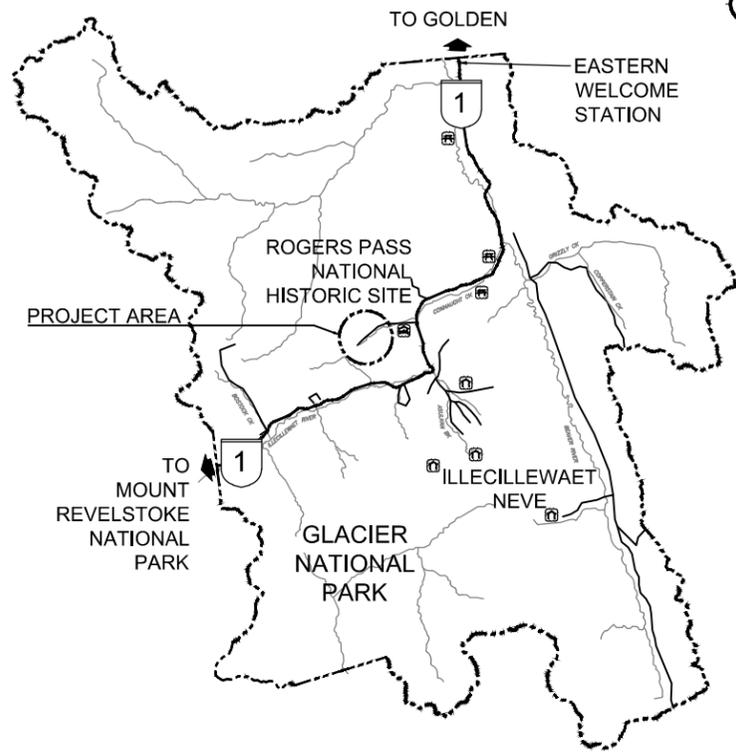
PROJECT NO. 2511-00958

OCTOBER 2018

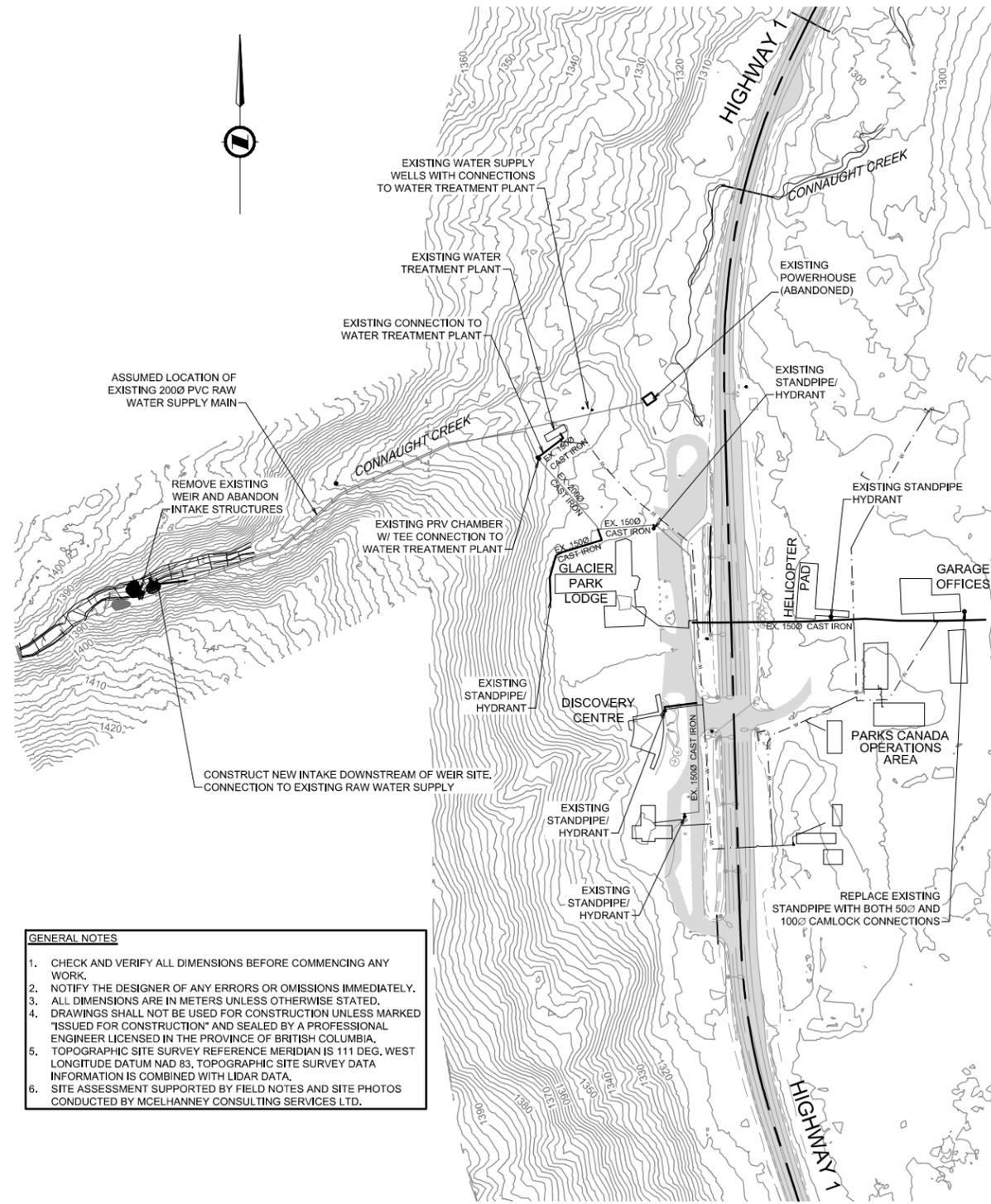
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LOCATION PLAN
1 : 25 000



SITE PLAN
1 : 2500

GENERAL NOTES

- CHECK AND VERIFY ALL DIMENSIONS BEFORE COMMENCING ANY WORK.
- NOTIFY THE DESIGNER OF ANY ERRORS OR OMISSIONS IMMEDIATELY.
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
- DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNLESS MARKED "ISSUED FOR CONSTRUCTION" AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF BRITISH COLUMBIA.
- TOPOGRAPHIC SITE SURVEY REFERENCE MERIDIAN IS 111 DEG. WEST LONGITUDE DATUM NAD 83. TOPOGRAPHIC SITE SURVEY DATA INFORMATION IS COMBINED WITH LIDAR DATA.
- SITE ASSESSMENT SUPPORTED BY FIELD NOTES AND SITE PHOTOS CONDUCTED BY MCELHANNY CONSULTING SERVICES LTD.

DRAWING INDEX			CURRENT REVISION			
SHEET	DWG	DRAWING TITLE	0	1	2	3
1	000	COVER				
2	001	SITE PLAN, LOCATION PLAN & INDEX				
3	101	PLAN & PROFILE				
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REV 0 - ISSUED FOR TENDER OCTOBER 18 2018

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM

A B C	detail number numéro de detail source drawing no. de dessin no.	A B C
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Consultant's Stamp / Soceau de l'expert-conseil

Eng. Stamp / Soceau 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

CONNAUGHT CREEK WEIR REMOVAL & PASSIVE WATER SYSTEM UPGRADE
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title / Titre du dessin

SITE PLAN, LOCATION PLAN, & INDEX

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.10.16
Designed by / Conçu par HY	Reviewed by / Révisé par TM	Scale / Echelle AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

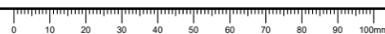
Project No. / No. du projet 2511-00958-0	Asset No. / No. du bien	Sheet No. / No. de la feuille 2
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Drawing Reference No. / No. de référence du dessin

001

FILE: G:\PROJECTS\2511-00958-00-PARKS CONNAUGHT CREEK WEIR REMOVAL\03-DRAWINGS\03-SHEET FILES\01-LOC PLAN.DWG PLOTTED: 2018/10/16 12:46 PM

Paper Size: ANSI D (22 x 34")



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0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM
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A B C	detail number numéro de détail source drawing no. de dessin no. detail on drawing no. détail sur dessin no.	A B C
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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada
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Consultant's Name Nom de l'expert-conseil
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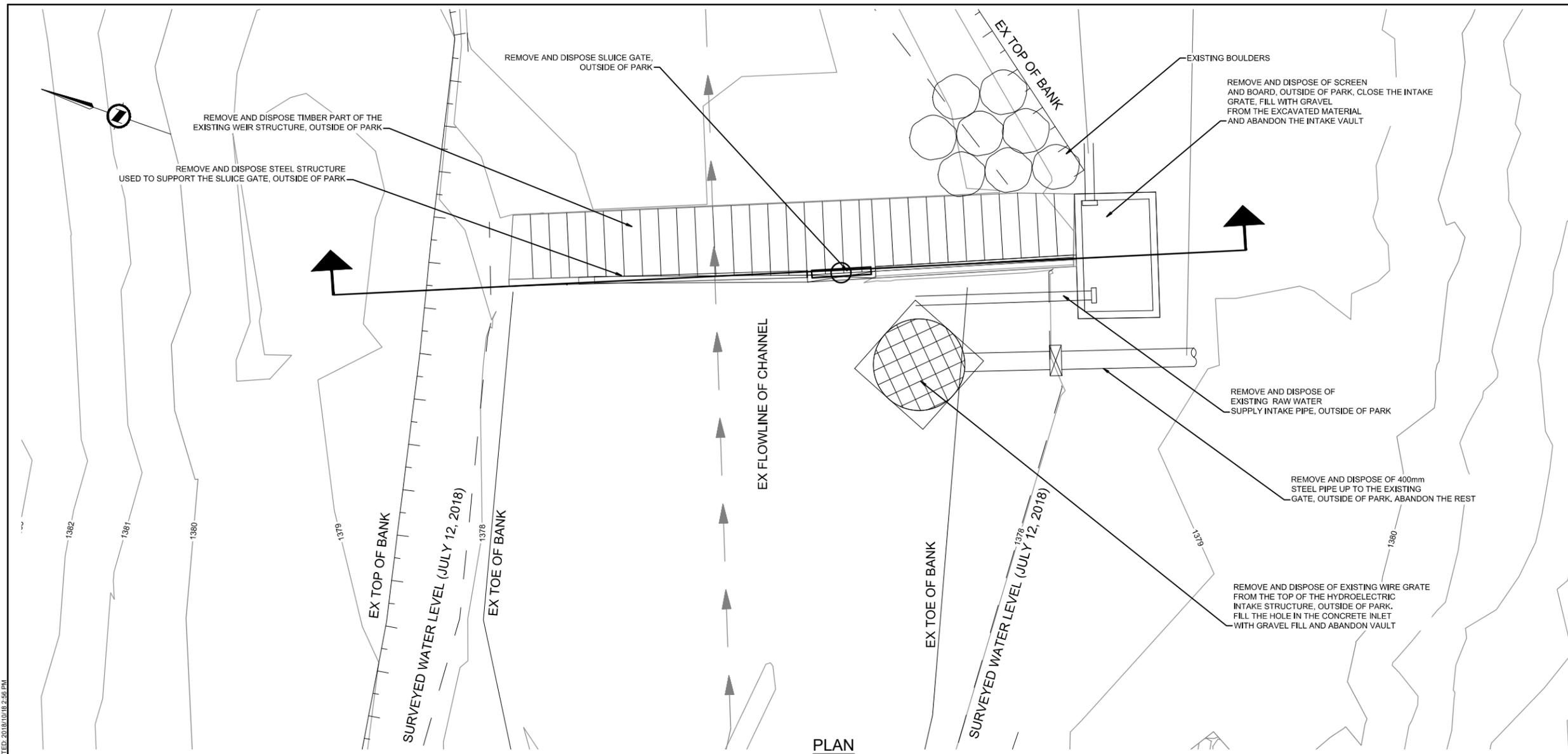
Project Title Titre du projet CONNAUGHT CREEK WEIR REMOVAL & PASSIVE WATER SYSTEM UPGRADE ROGERS PASS GLACIER NATIONAL PARK, BC
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Drawing Title Titre du dessin PLAN & CROSS SECTION EXISTING WEIR

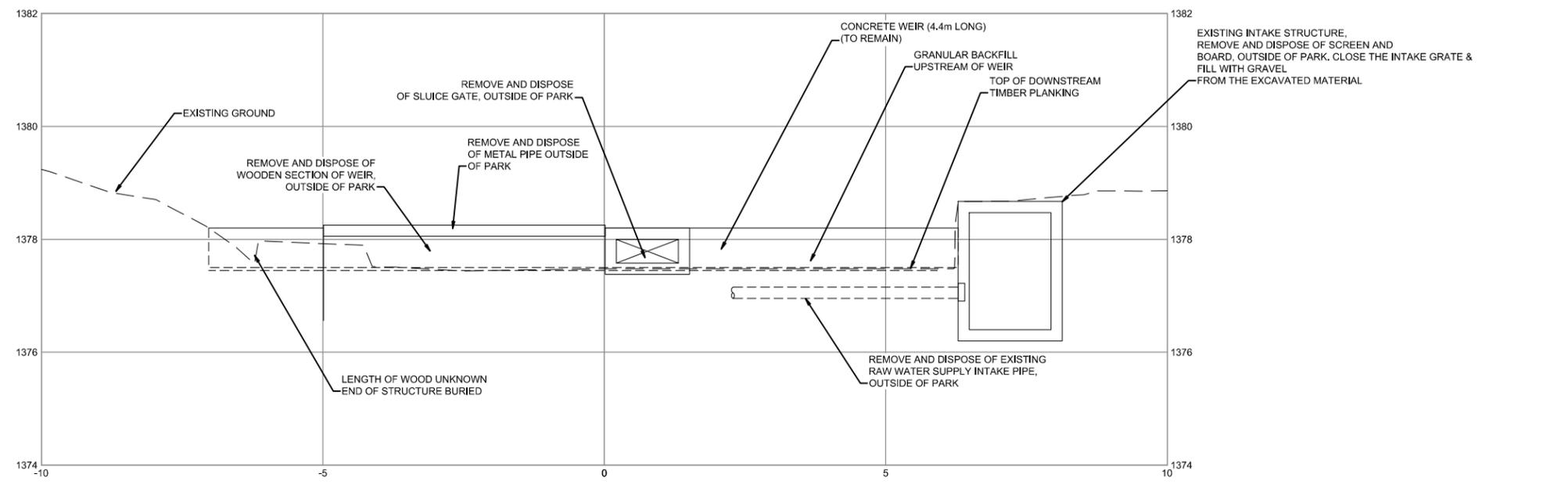
Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	JKR	2018.10.18
Designed by / Conçu par	Reviewed by / Revisé par	Scale / Echelle
HY	TM	AS SHOWN

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

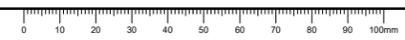
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2511-00958-0		4
Drawing Reference No. / No. de référence du dessin		
201		



PLAN
1:50



SECTION
1:50

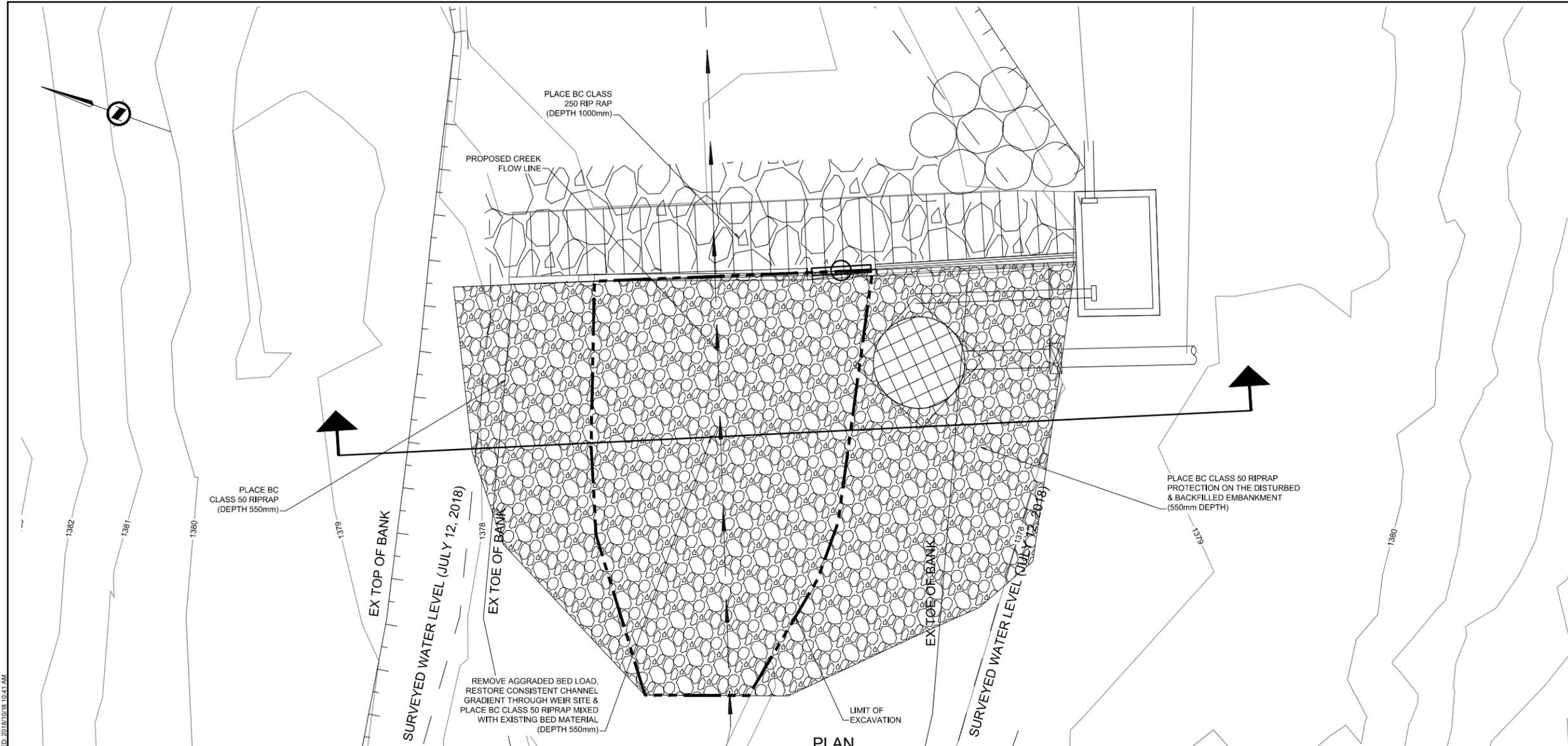


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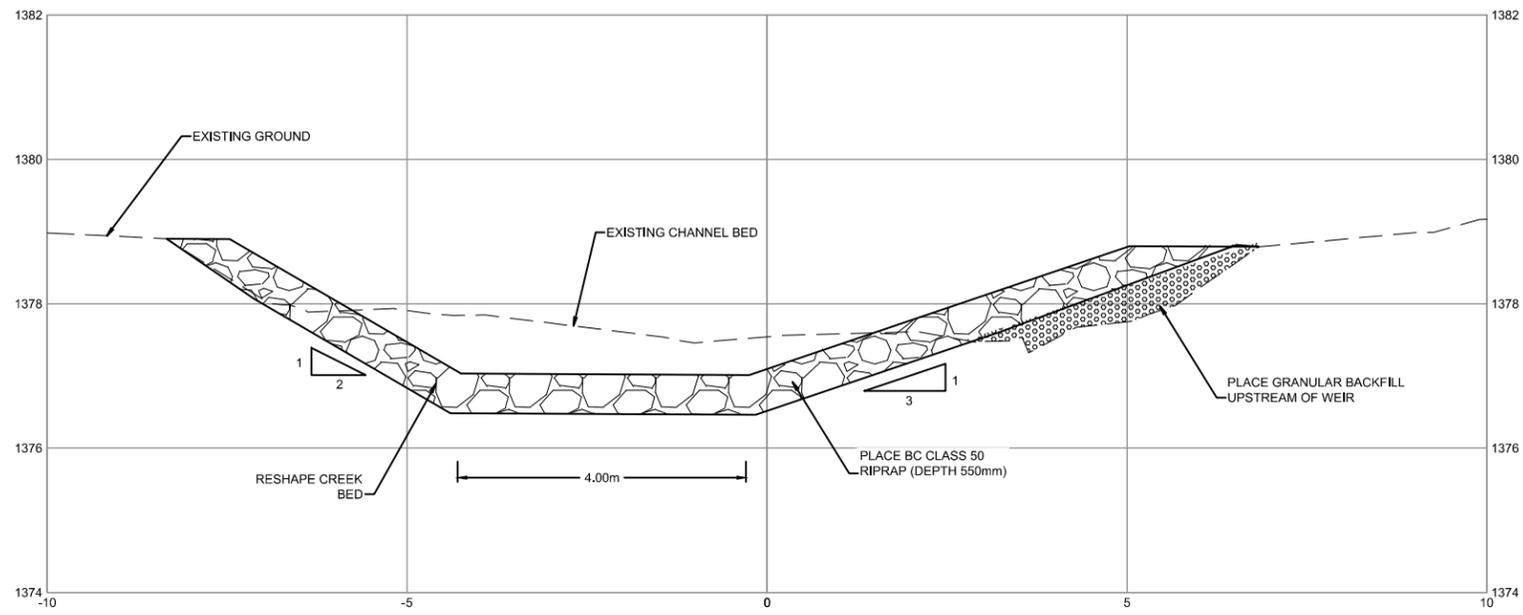
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PLAN
1:50



SECTION
1:50

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM

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
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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur Oct 18, 2018
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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

**CONNAUGHT CREEK
 WEIR REMOVAL &
 PASSIVE WATER SYSTEM UPGRADE**
 ROGERS PASS
 GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

**PLAN &
 CROSS SECTION
 CREEK BED RESHAPING**

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	JKR	2018.10.18
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
HY	TM	AS SHOWN

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Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. / No. de la feuille
2511-00958-0		5
Drawing Reference No. / No. de référence du dessin		
202		

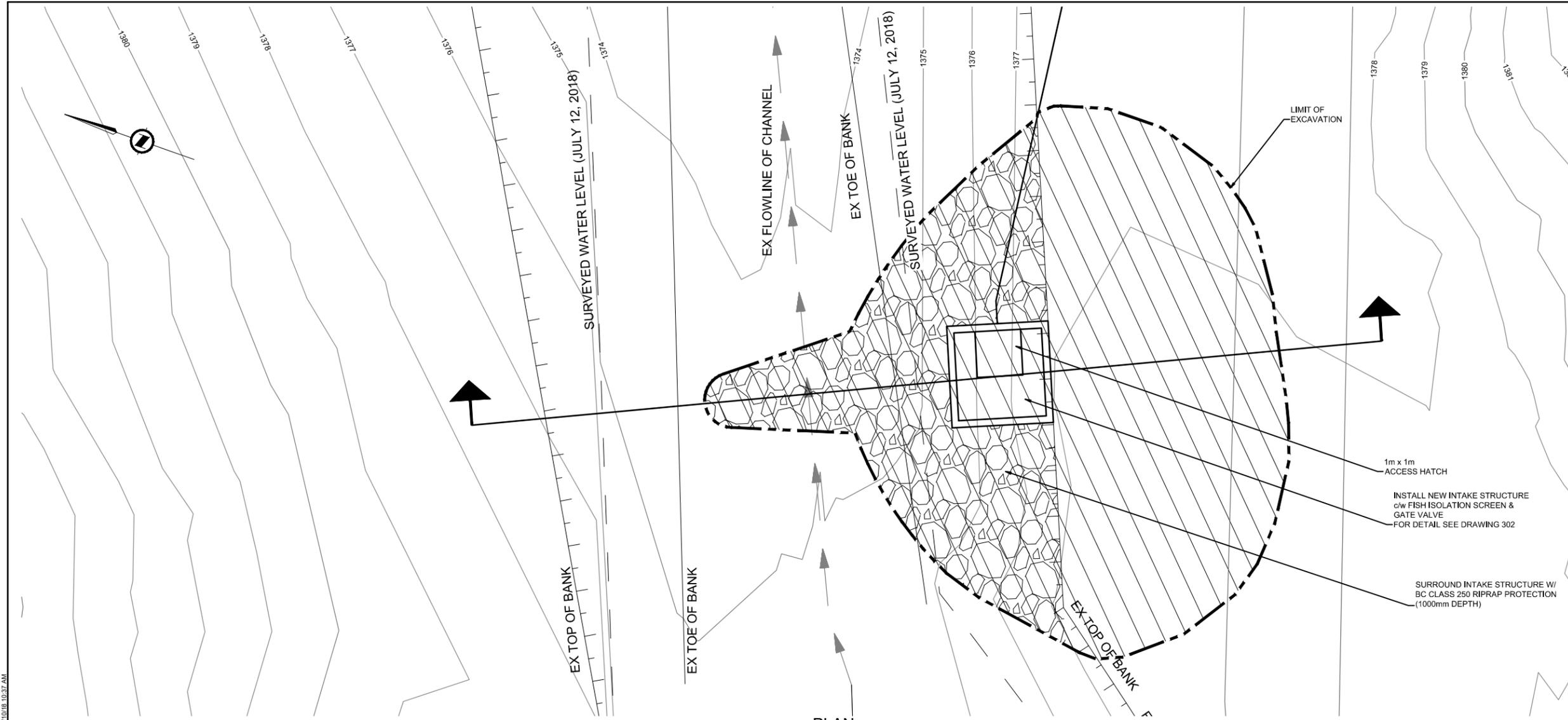
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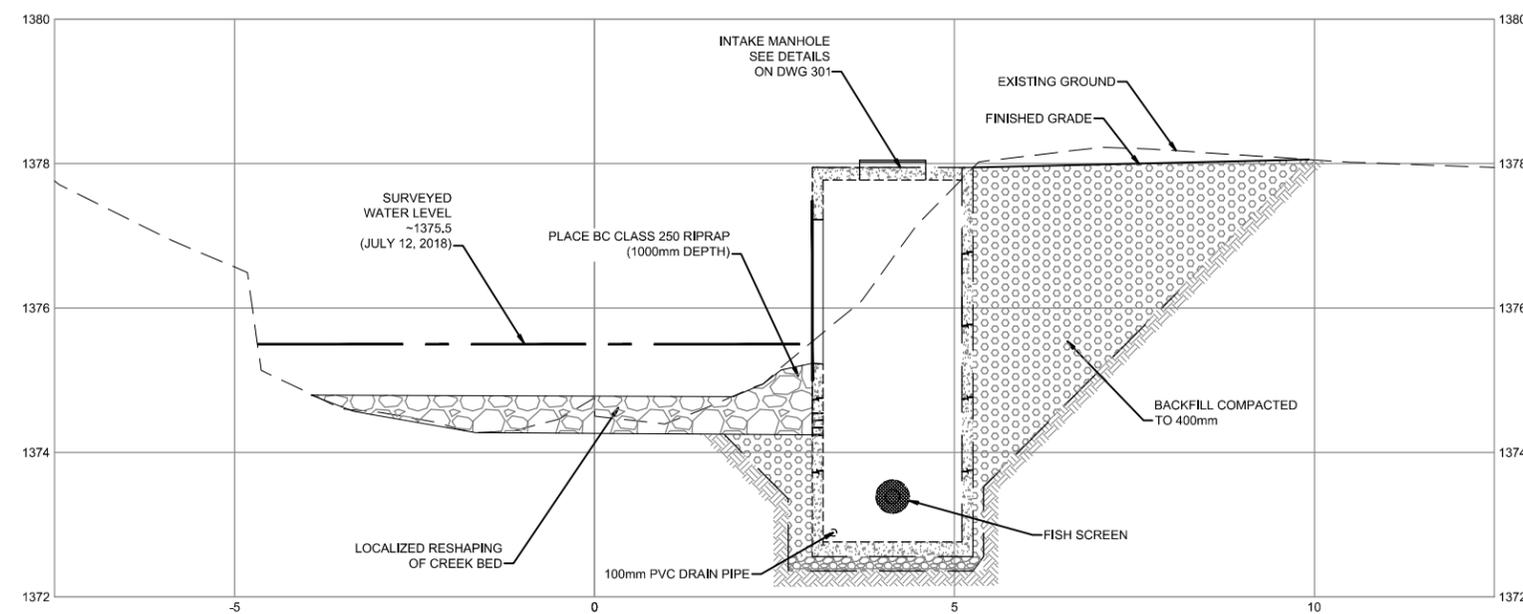
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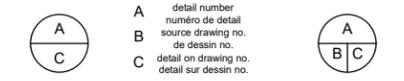


PLAN
1:50



SECTION
1:50

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0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM



Consultant's Stamp
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Eng. Stamp
Sceau de l'ingénieur

Oct 18, 2018

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

**CONNAUGHT CREEK
WEIR REMOVAL &
PASSIVE WATER SYSTEM UPGRADE**

ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

**PLAN &
CROSS SECTION
PROPOSED INTAKE**

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	JKR	2018.10.18
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
HY	TM	AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2511-00958-0		6
Drawing Reference No. / No. de référence du dessin		
203		

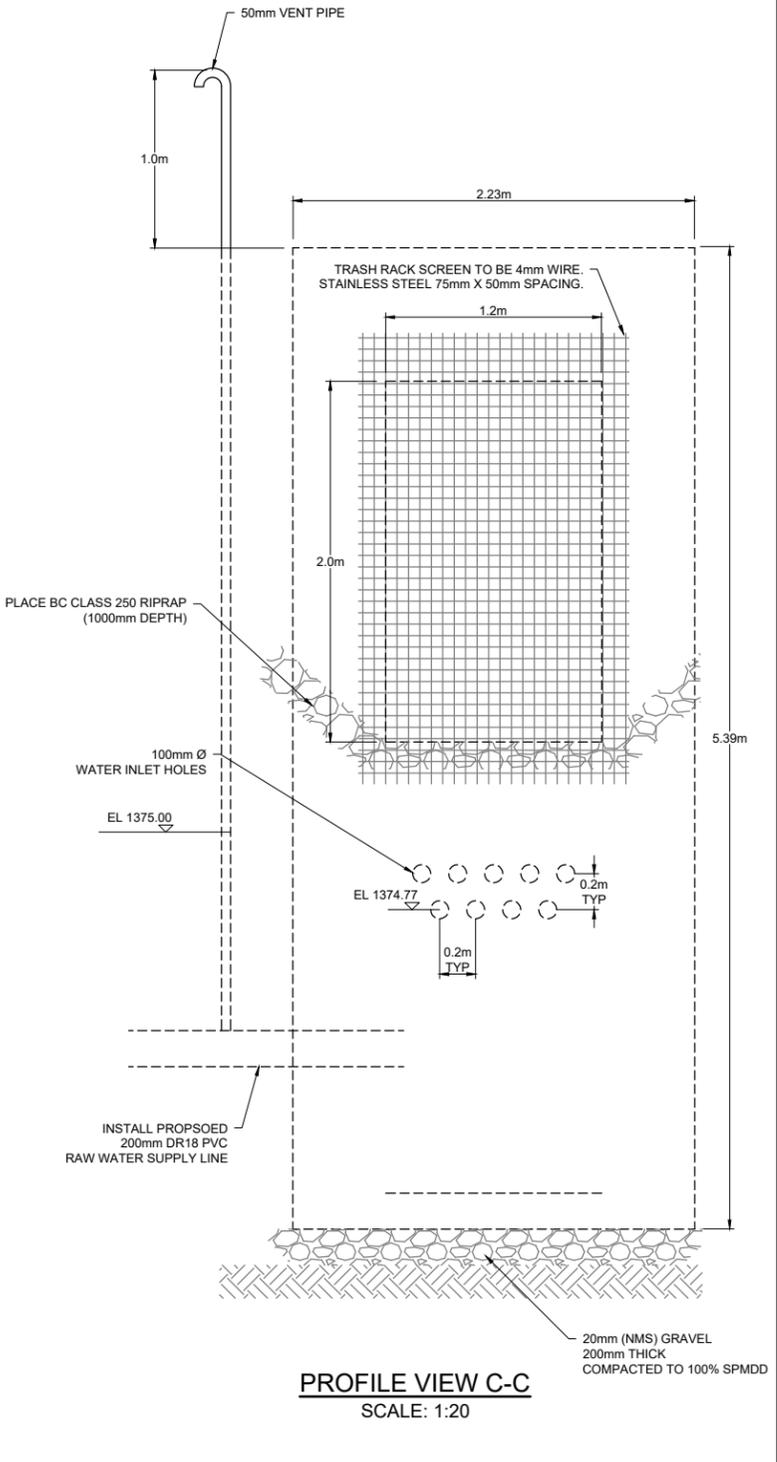
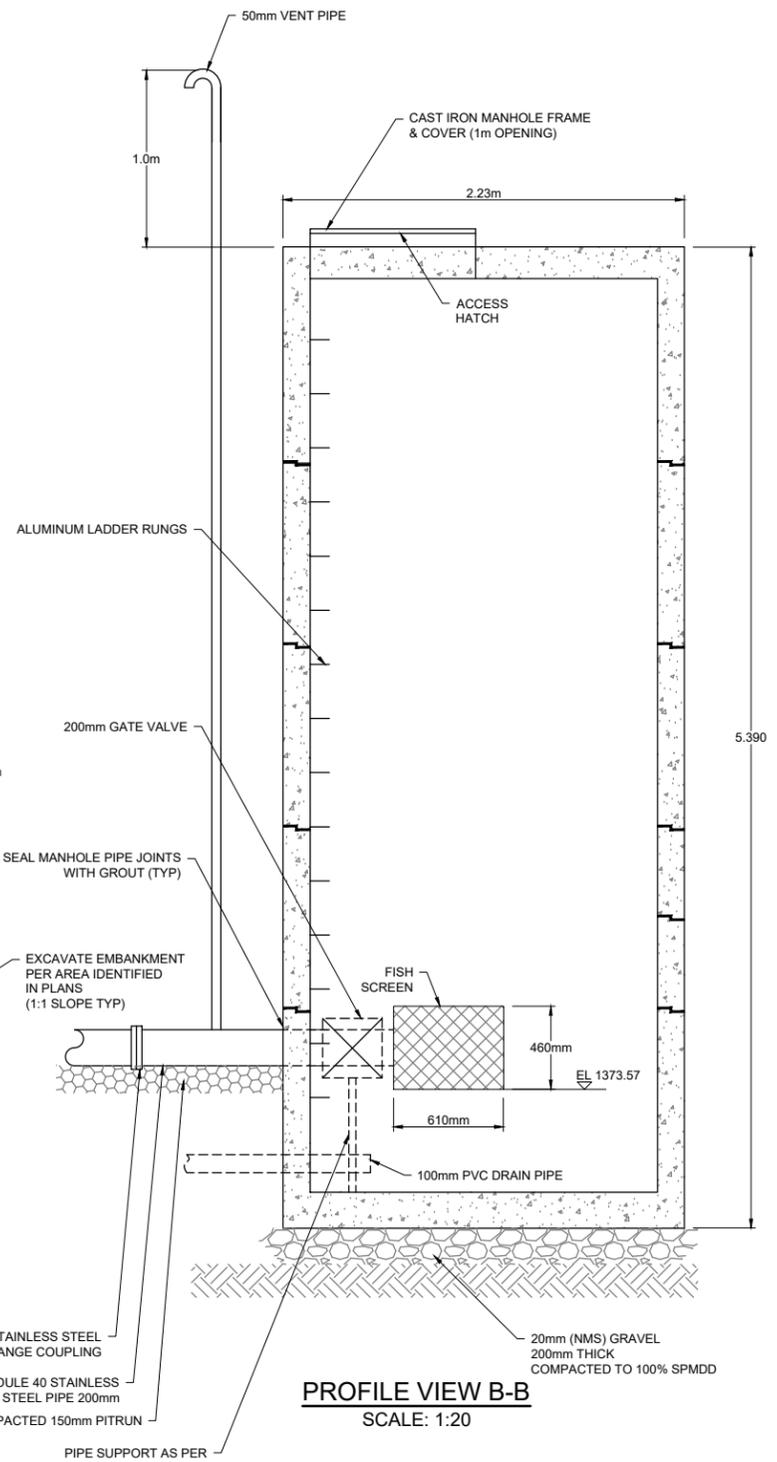
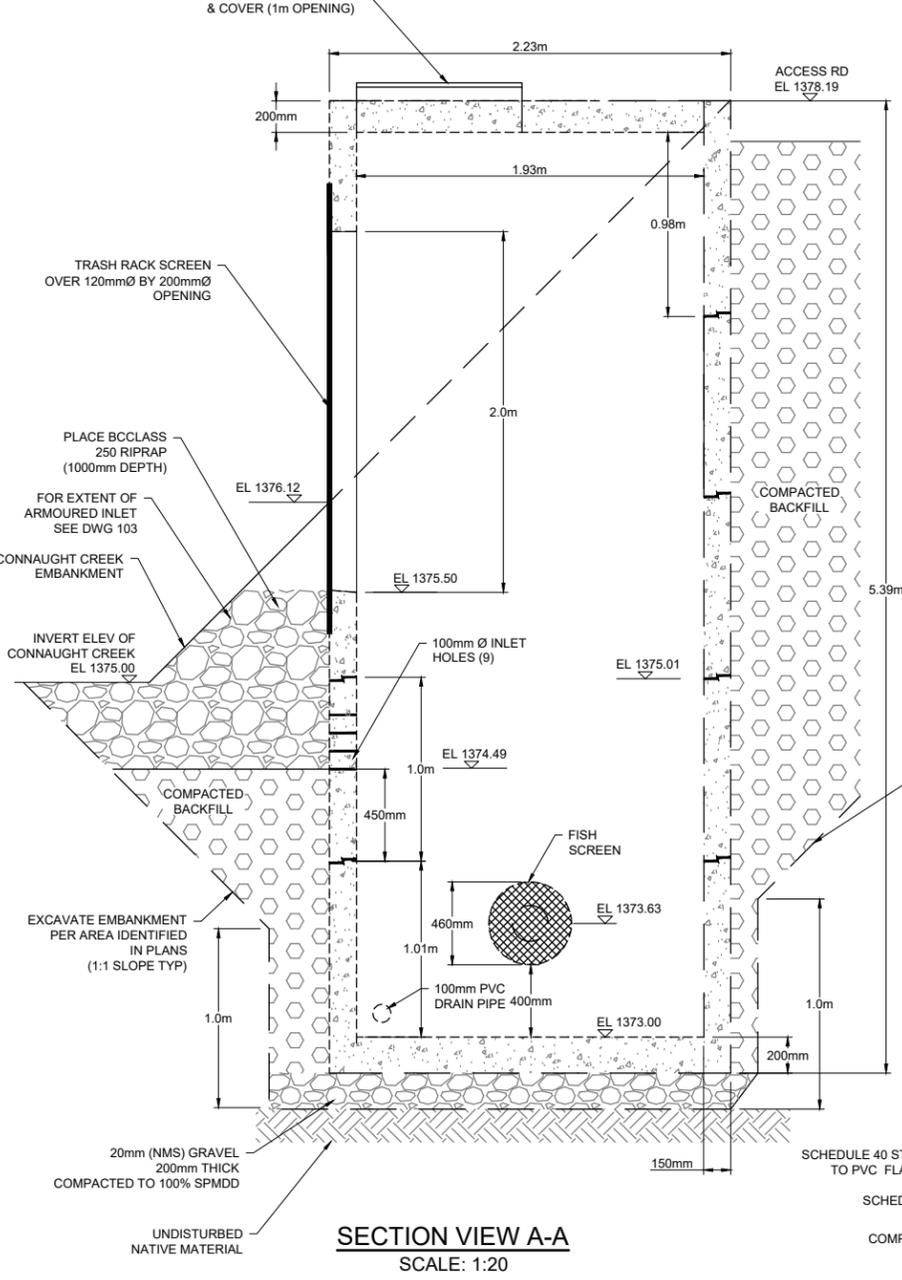
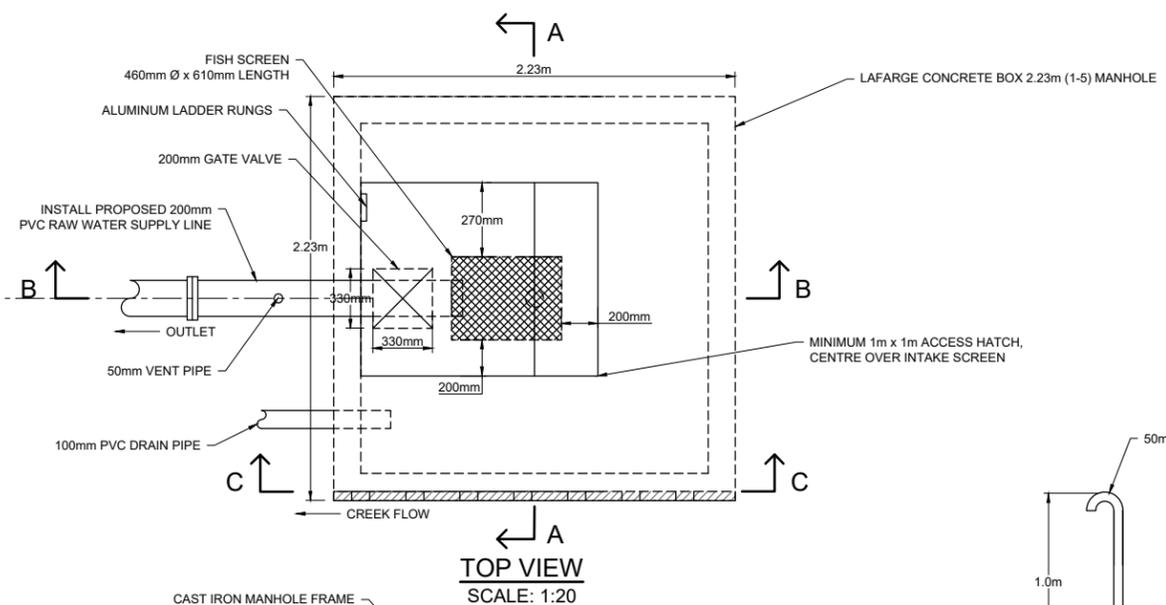
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0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM

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

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

PROFESSIONAL ENGINEER
H. A. HETE
1998
Act 18, 2018

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.

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Titre du projet

**CONNAUGHT CREEK
WEIR REMOVAL &
PASSIVE WATER SYSTEM UPGRADE**
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

WATER INTAKE DETAILS

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.10.18
Designed by / Conçu par HY	Reviewed by / Révisé par TM	Scale / Echelle AS SHOWN

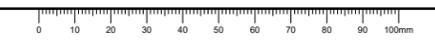
Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet 2511-00958-0	Asset No. / No. du-bien	Sheet No. No. de la feuille 7
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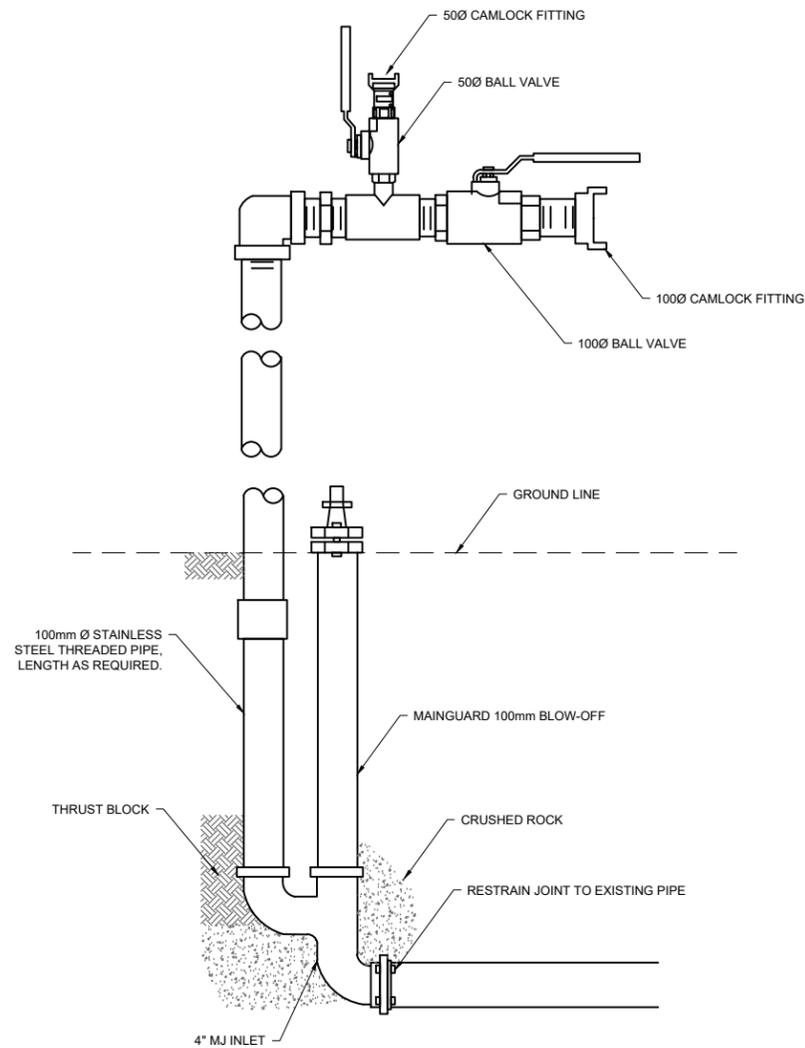
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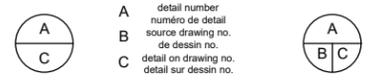
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STANDPIPE ASSEMBLY DETAIL
SCALE: NTS

0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



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Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

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WEIR REMOVAL &
PASSIVE WATER SYSTEM UPGRADE**
ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

STANDPIPE DETAILS

Surveyed by / Arpenté par MCSL	Drawn by / Dessiné par JKR	Date 2018.10.16
Designed by / Conçu par HY	Reviewed by / Revisé par TM	Scale / Echelle AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

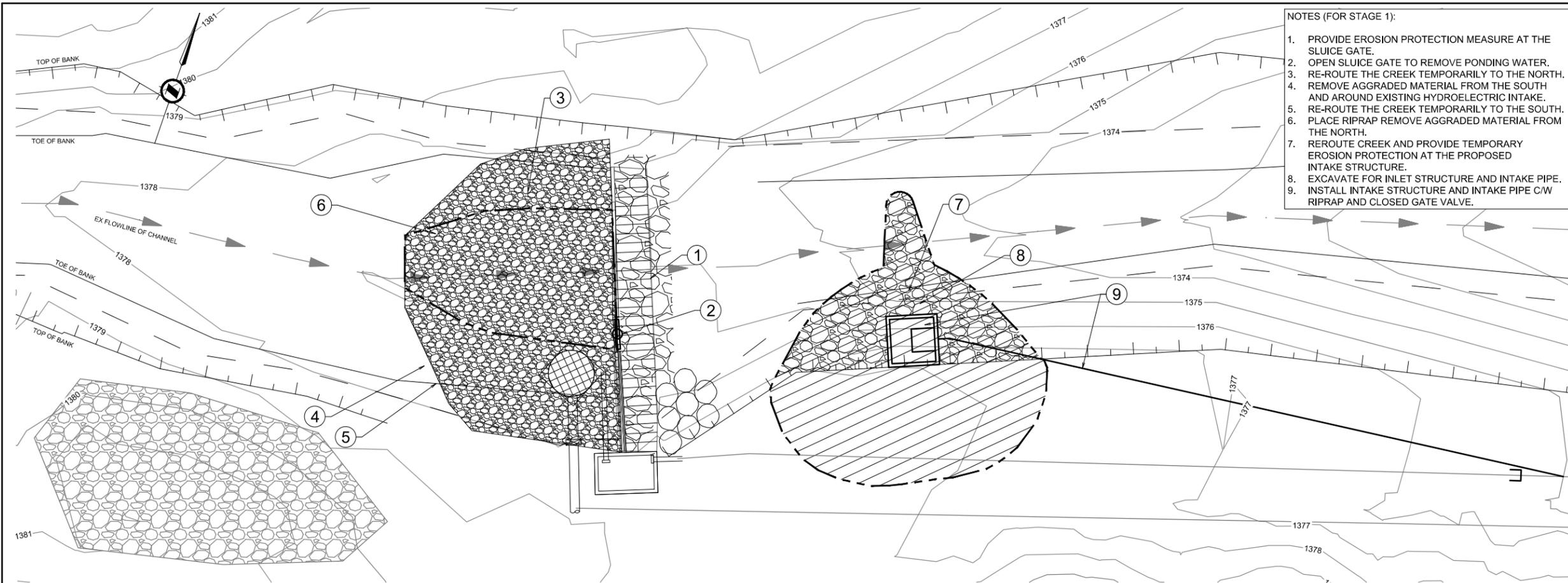
Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet 2511-00958-0	Asset No. / No. du bien	Sheet No. / No. de la feuille 8
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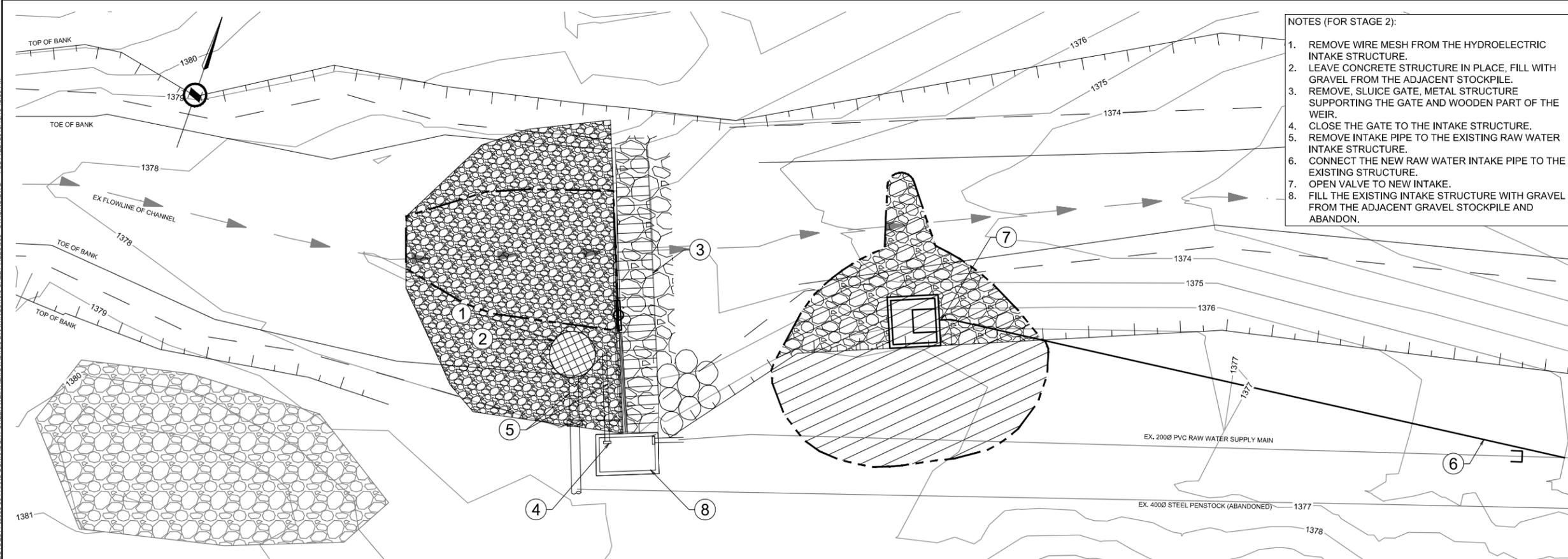
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302

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- NOTES (FOR STAGE 1):
1. PROVIDE EROSION PROTECTION MEASURE AT THE SLUICE GATE.
 2. OPEN SLUICE GATE TO REMOVE PONDING WATER.
 3. RE-ROUTE THE CREEK TEMPORARILY TO THE NORTH.
 4. REMOVE AGGRADED MATERIAL FROM THE SOUTH AND AROUND EXISTING HYDROELECTRIC INTAKE.
 5. RE-ROUTE THE CREEK TEMPORARILY TO THE SOUTH.
 6. PLACE RIPRAP REMOVE AGGRADED MATERIAL FROM THE NORTH.
 7. REROUTE CREEK AND PROVIDE TEMPORARY EROSION PROTECTION AT THE PROPOSED INTAKE STRUCTURE.
 8. EXCAVATE FOR INLET STRUCTURE AND INTAKE PIPE.
 9. INSTALL INTAKE STRUCTURE AND INTAKE PIPE C/W RIPRAP AND CLOSED GATE VALVE.

CONSTRUCTION STAGING - STAGE 1
1:100



- NOTES (FOR STAGE 2):
1. REMOVE WIRE MESH FROM THE HYDROELECTRIC INTAKE STRUCTURE.
 2. LEAVE CONCRETE STRUCTURE IN PLACE. FILL WITH GRAVEL FROM THE ADJACENT STOCKPILE.
 3. REMOVE, SLUICE GATE, METAL STRUCTURE SUPPORTING THE GATE AND WOODEN PART OF THE WEIR.
 4. CLOSE THE GATE TO THE INTAKE STRUCTURE.
 5. REMOVE INTAKE PIPE TO THE EXISTING RAW WATER INTAKE STRUCTURE.
 6. CONNECT THE NEW RAW WATER INTAKE PIPE TO THE EXISTING STRUCTURE.
 7. OPEN VALVE TO NEW INTAKE.
 8. FILL THE EXISTING INTAKE STRUCTURE WITH GRAVEL FROM THE ADJACENT GRAVEL STOCKPILE AND ABANDON.

CONSTRUCTION STAGING - STAGE 2
1:100

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2018.10.18	ISSUED FOR TENDER	JKR	HY	TM

A	detail number	A
B	numero 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

Oct 18, 2018

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

**CONNAUGHT CREEK
WEIR REMOVAL &
PASSIVE WATER SYSTEM UPGRADE**

ROGERS PASS
GLACIER NATIONAL PARK, BC

Drawing Title
Titre du dessin

CONSTRUCTION STAGING

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	JKR	2018.10.16
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
HY	TM	AS SHOWN

Client Acceptance / Acceptation du client	Approved by / Approuvé par

Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. / No. de la feuille
2511-00958-0		9

Drawing Reference No. / No. de référence du dessin

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