



McElhanney

for / pour



**Parks Canada
Agency
Western and
Northern Region**

**L'Agence Parcs
Canada
Ouest et Nord
Région**

**EMERALD LAKE ROAD KM 0 TO KM 9
TRANS CANADA HIGHWAY KM 17 TO KM 23
PAVEMENT REHABILITATION**

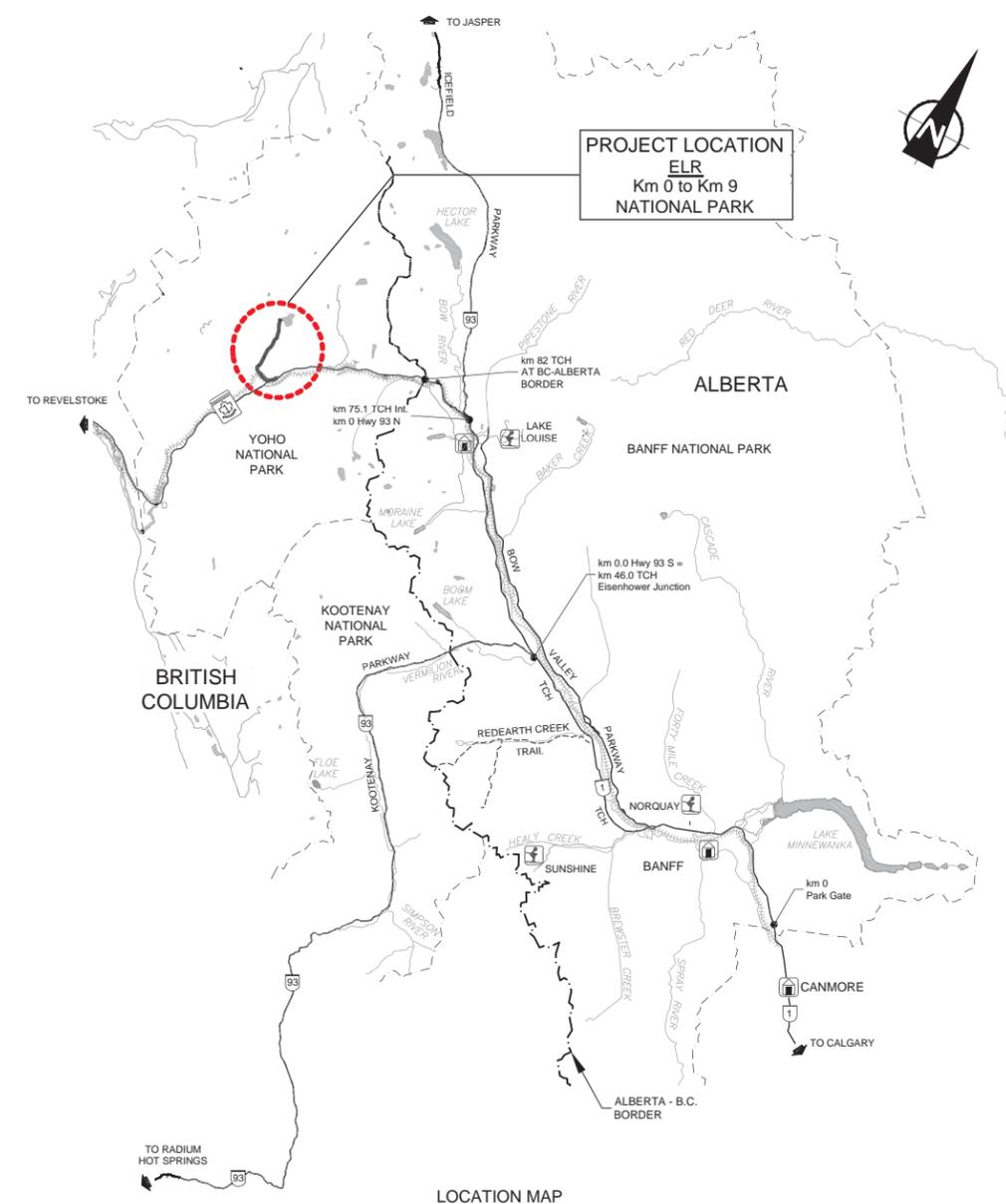
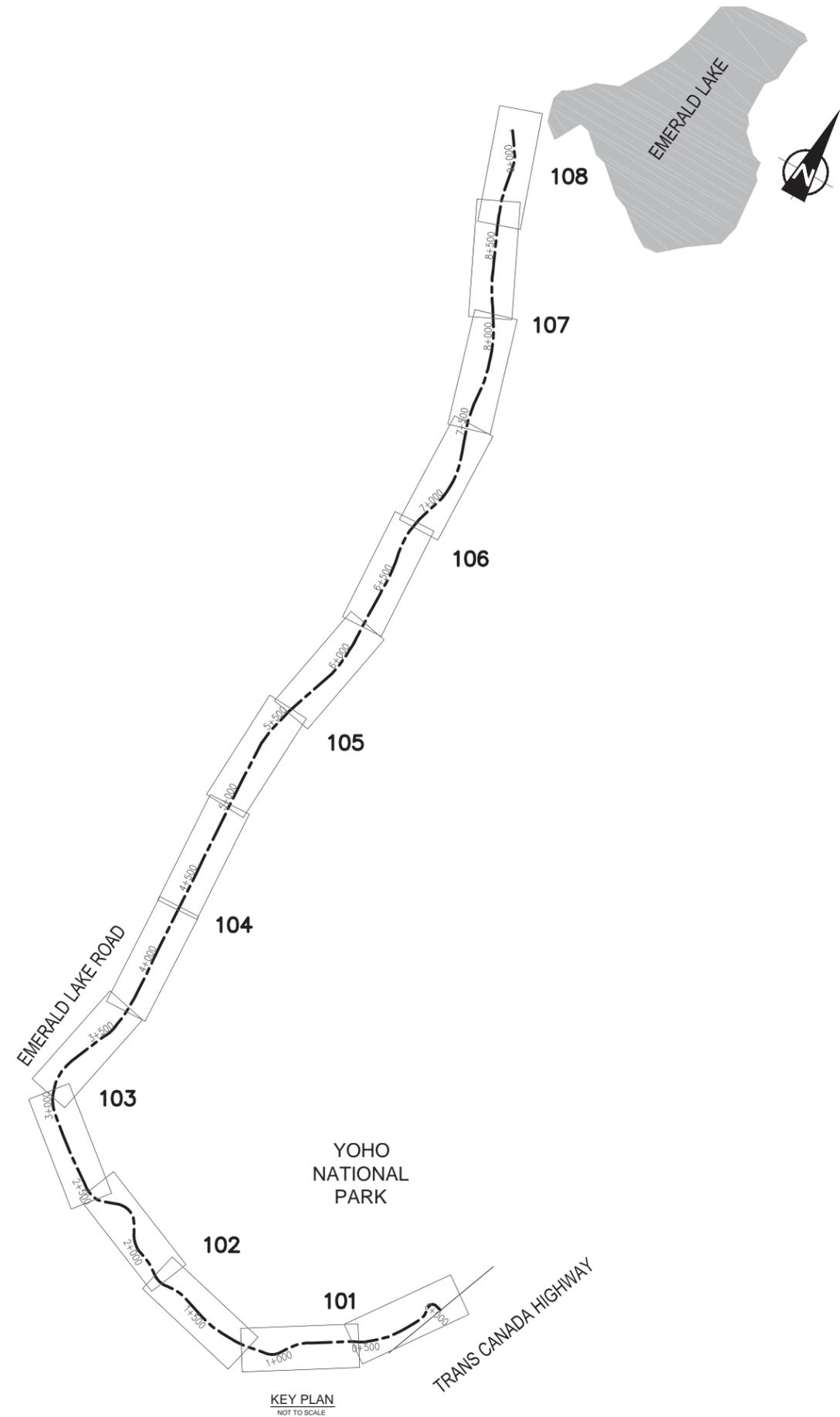
**YOHO NATIONAL PARK, BC
&
BANFF NATIONAL PARK, AB**

PROJECT NO. 201547

MARCH 2016

C01

Plotted: March 04, 2016, 13:20:33 File Name: O:\Proj\2121-00546-02.PCA - BNP TCH Eclusion Penang\2121-00546-XX.PCA - BNP TCH and YNP ELR Penang\10.0 DRAWINGS\10.3 Engineering\ELR 0.8m.Legend.dwg\CD2



DRAWING INDEX	
SHEET No.	SHEET TITLE
C01	COVER SHEET
C02	LOCATION MAP - EMERALD LAKE ROAD - STA 0+000 TO 9+000
C03	LOCATION MAP - TRANS CANADA HIGHWAY - STA 17+000 TO 23+000
101-108	PLANS - EMERALD LAKE ROAD - STA 0+000 TO 9+000
109-114	PLANS - TRANS CANADA HIGHWAY - STA 17+000 TO 23+000
301	TYPICAL SECTIONS AND DETAILS - EMERALD LAKE ROAD
302	TYPICAL SECTIONS AND DETAILS - TRANS CANADA HIGHWAY

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No.	Date/Date	Description/Description	Drawn by / Dessiné par	Approved / Approuvé
A	2016.03.04	ISSUED FOR TENDER	HC	SF

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

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

Client/client
 Parks Canada Agency / L'Agence Parcs Canada
 Western and Northern Region / Ouest et Nord Région

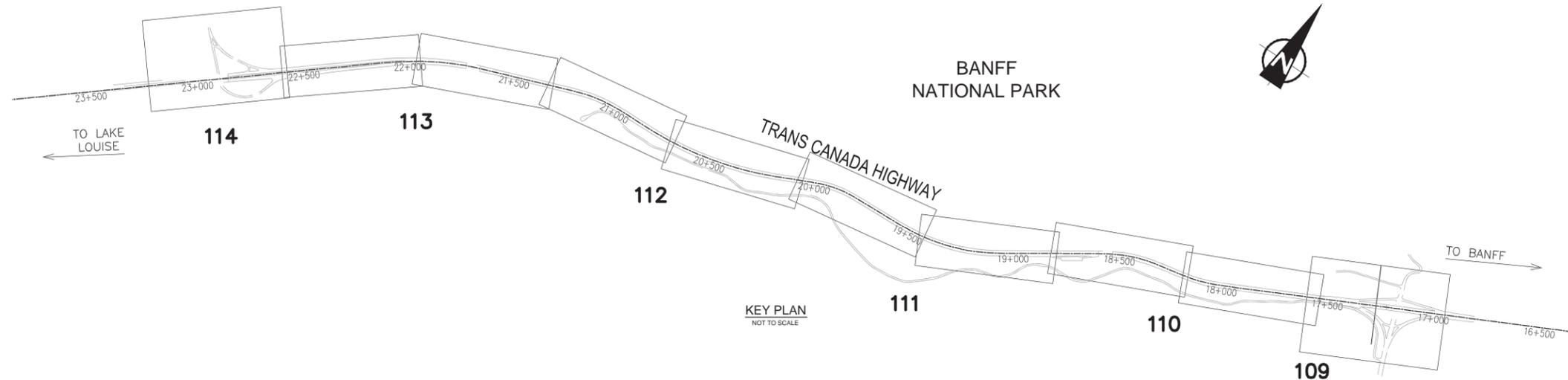
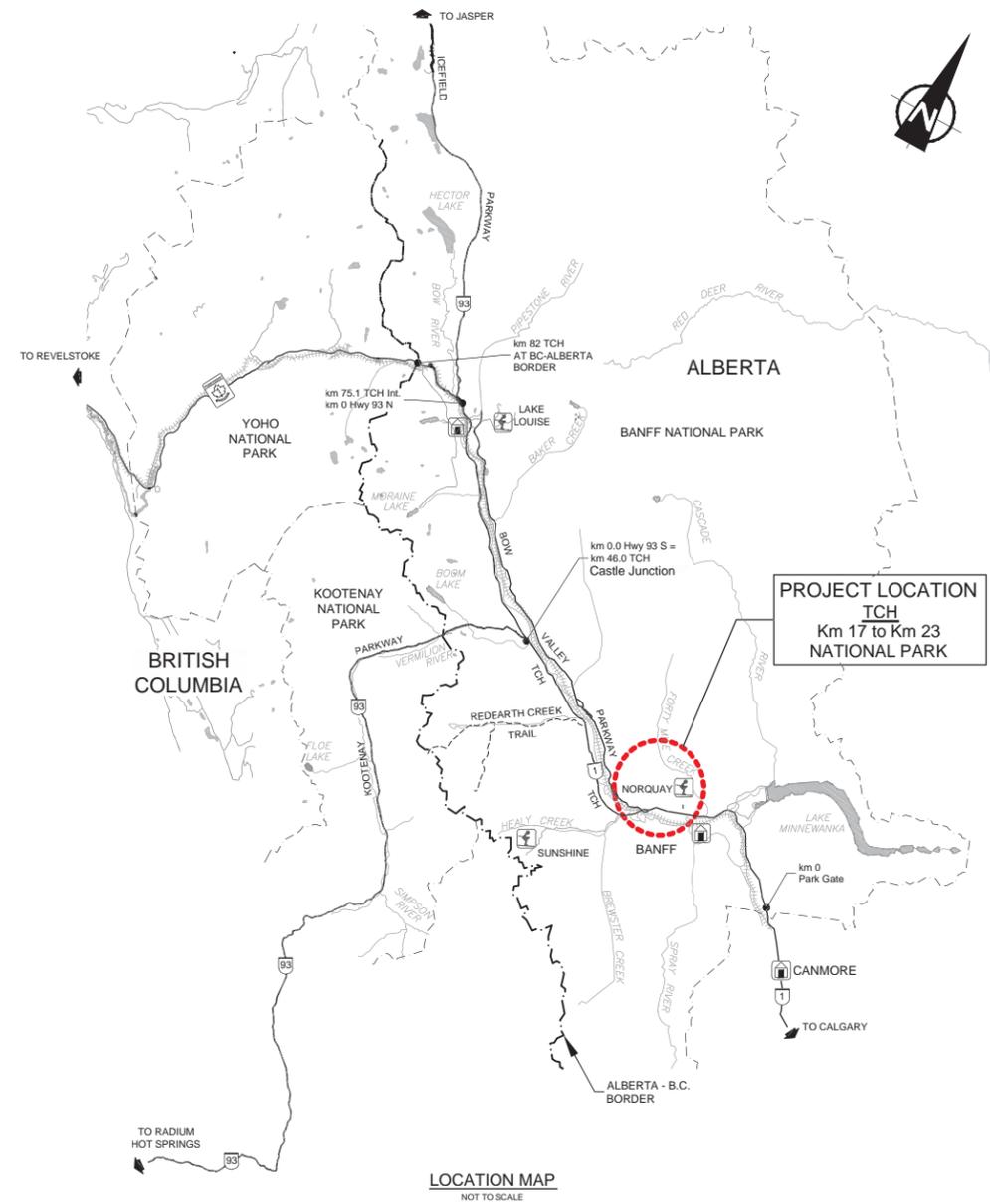
Consultant's Name / Nom de l'expert-conseil
McElhanney

Project title/Titre du projet
EMERALD LAKE ROAD PAVEMENT REHABILITATION
 YOHO NATIONAL PARK, BC

Drawing title/Titre du dessin
LOCATION MAP EMERALD LAKE ROAD STA 0+000 TO 9+000
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	NTS
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	Asset No./No. du bien	Sheet No./No. de la feuille
201547		C02
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

DRAWING INDEX	
SHEET No.	SHEET TITLE
C01	COVER SHEET
C02	LOCATION MAP - EMERALD LAKE ROAD - STA 0+000 TO 9+000
C03	LOCATION MAP - TRANS CANADA HIGHWAY - STA 17+000 TO 23+000
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A C	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/client	
Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région

Consultant's Name Nom de l'expert-conseil	McElhanney
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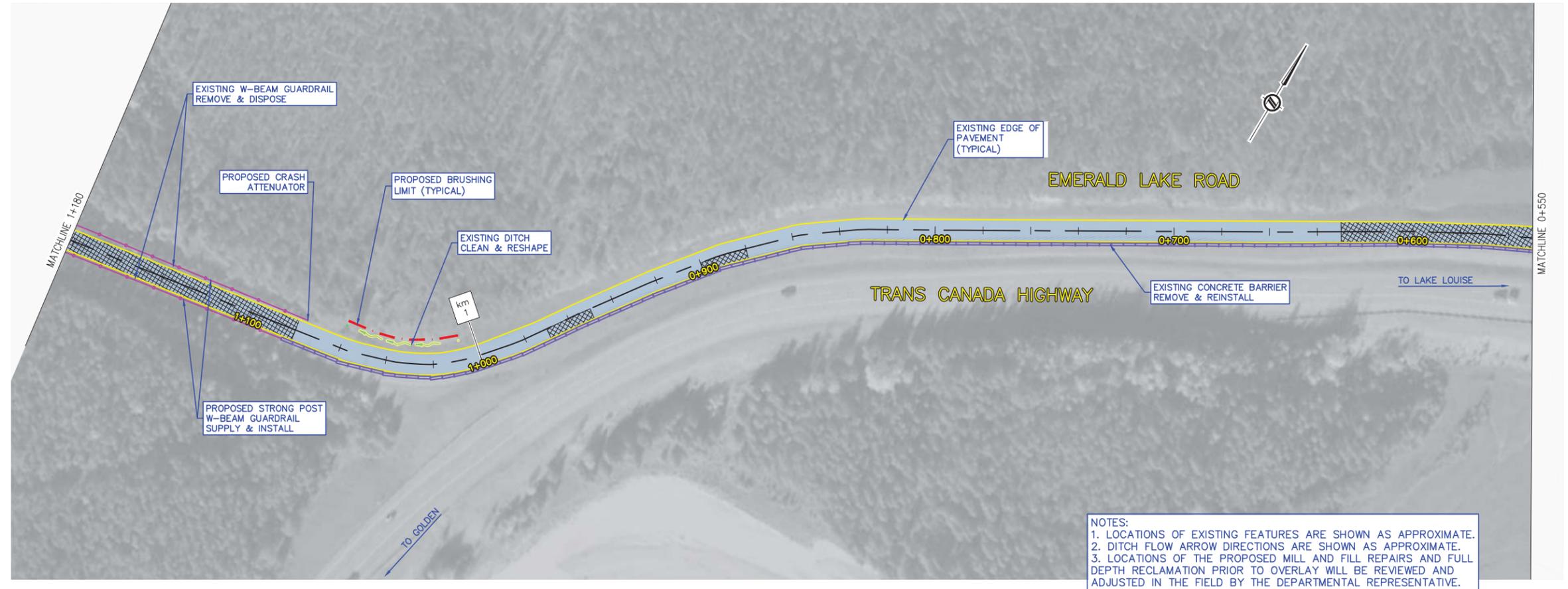
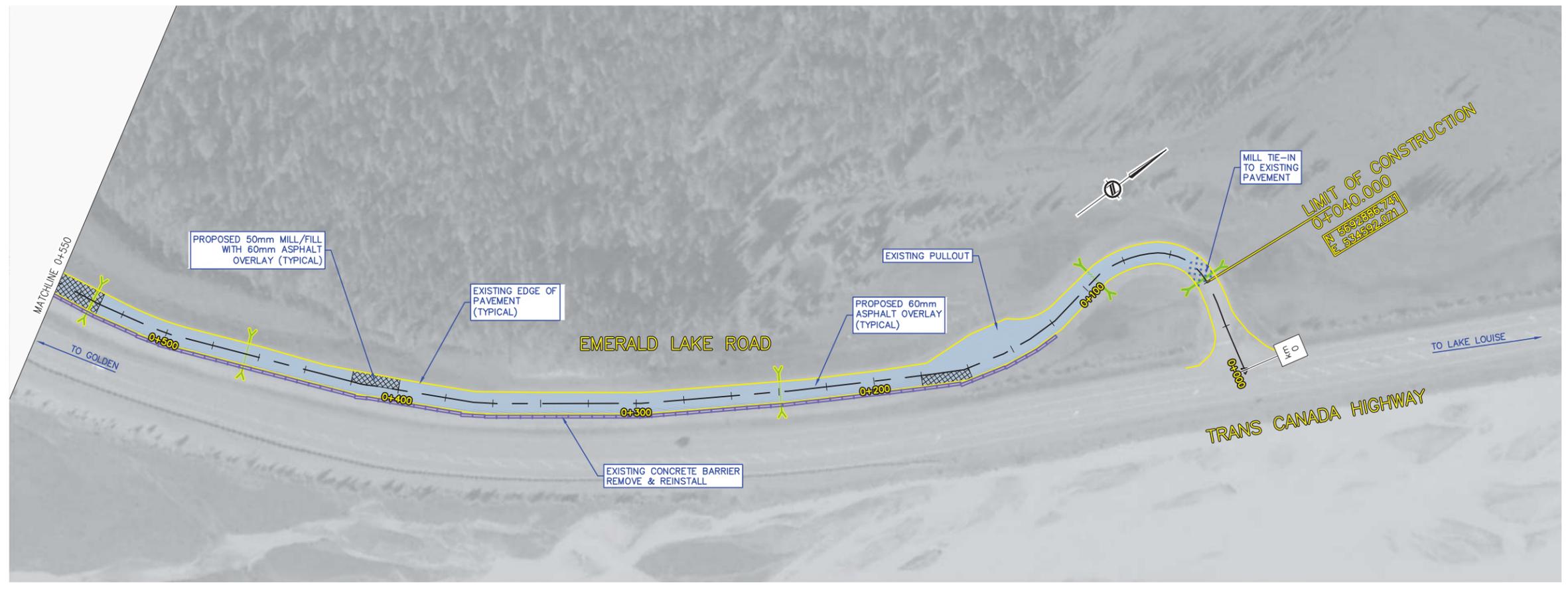
Project title/Titre du projet
TRANS CANADA HIGHWAY PAVEMENT REHABILITATION
BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin
LOCATION MAP TRANS CANADA HIGHWAY STA 17+000 TO 23+000
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	NTS

Parks Canada Project Manager/Administrateur de Projets Parcs Canada		
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Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
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Drawing Reference No./No. de référence du dessin		
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NOTES:
 1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
 3. LOCATIONS OF THE PROPOSED MILL AND FILL REPAIRS AND FULL DEPTH RECLAMATION PRIOR TO OVERLAY WILL BE REVIEWED AND ADJUSTED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.
 4. IMAGERY FROM ESRI

LEGEND

	PROPOSED MILLED TIE-IN
	PROPOSED 60mm OVERLAY
	PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
	PROPOSED FULL DEPTH RECLAMATION
	BRUSHING LIMIT (typ.)
	EOP
	EXISTING W-BEAM GUARDRAIL
	EXISTING CONCRETE BARRIER
	CLEAN & RESHAPE EXISTING DITCH
	EXISTING CULVERT

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

Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
**EMERALD LAKE ROAD
 PAVEMENT REHABILITATION**
 YOHO NATIONAL PARK, BC

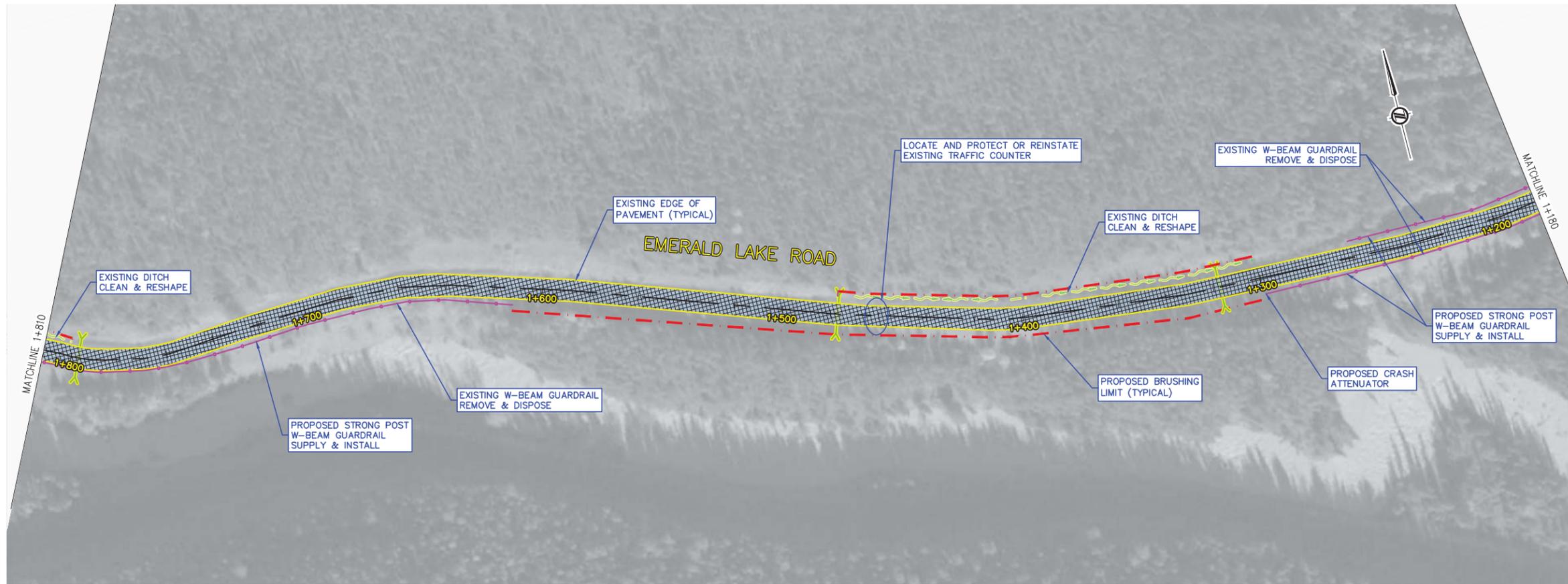
Drawing title/Titre du dessin
PLAN
STA 0+000 TO 1+180
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Project No./No. du projet	Asset No./No. de bien	Sheet No./No. de la feuille
201547		101
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		



LEGEND

- PROPOSED MILLED TIE-IN
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
- PROPOSED FULL DEPTH RECLAMATION
- BRUSHING LIMIT (typ.)
- EOP
- EXISTING W-BEAM GUARDRAIL
- EXISTING CONCRETE BARRIER
- CLEAN & RESHAPE EXISTING DITCH
- EXISTING CULVERT

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



NOTES:

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2. DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
3. LOCATIONS OF THE PROPOSED MILL AND FILL REPAIRS AND FULL DEPTH RECLAMATION PRIOR TO OVERLAY WILL BE REVIEWED AND ADJUSTED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.
4. IMAGERY FROM ESRI

Client/client

Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name / Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

EMERALD LAKE ROAD PAVEMENT REHABILITATION

YOHO NATIONAL PARK, BC

Drawing title/Titre du dessin

PLAN

STA 1+180 TO 2+440

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

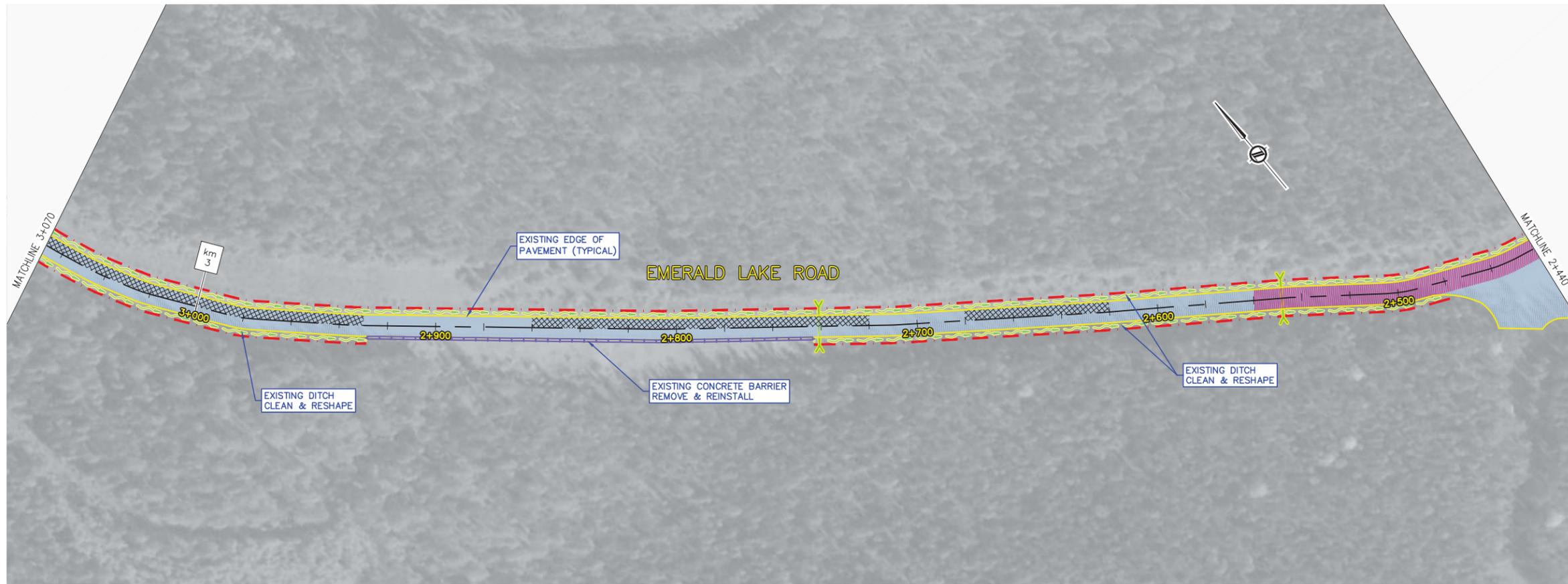
Client Acceptance/Acceptation du client	Approved by/Approuvé par

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

2121-00546-02-RE

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LEGEND

	PROPOSED MILLED TIE-IN
	PROPOSED 60mm OVERLAY
	PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
	PROPOSED FULL DEPTH RECLAMATION
	BRUSHING LIMIT (typ.)
	EOP
	EXISTING W BEAM GUARDRAIL
	EXISTING CONCRETE BARRIER
	CLEAN & RESHAPE EXISTING DITCH
	EXISTING CULVERT

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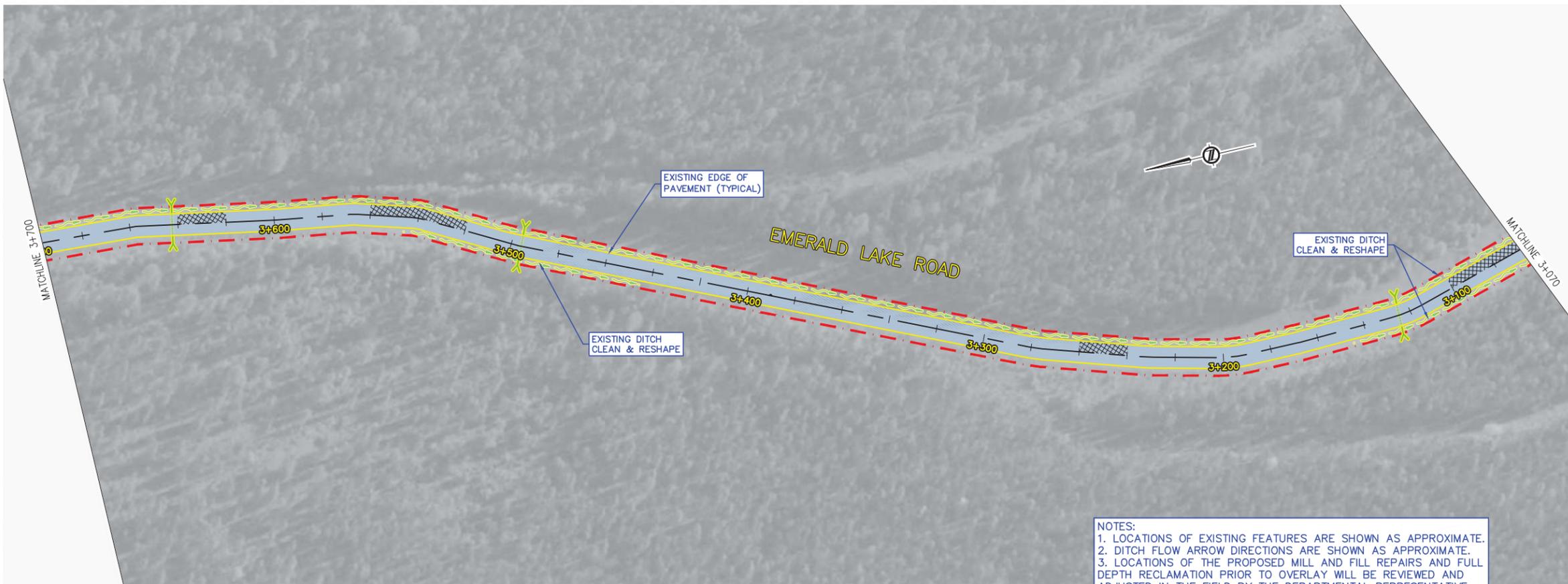
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A	2016.03.04	ISSUED FOR TENDER	HC	SF
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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision	
A	detail 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
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Client/client

	Parks Canada Agence Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
**EMERALD LAKE ROAD
PAVEMENT REHABILITATION**

YOHO NATIONAL PARK, BC

Drawing title/Titre du dessin
PLAN

STA 2+440 TO 3+700

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client	Approved by/Approuvé par
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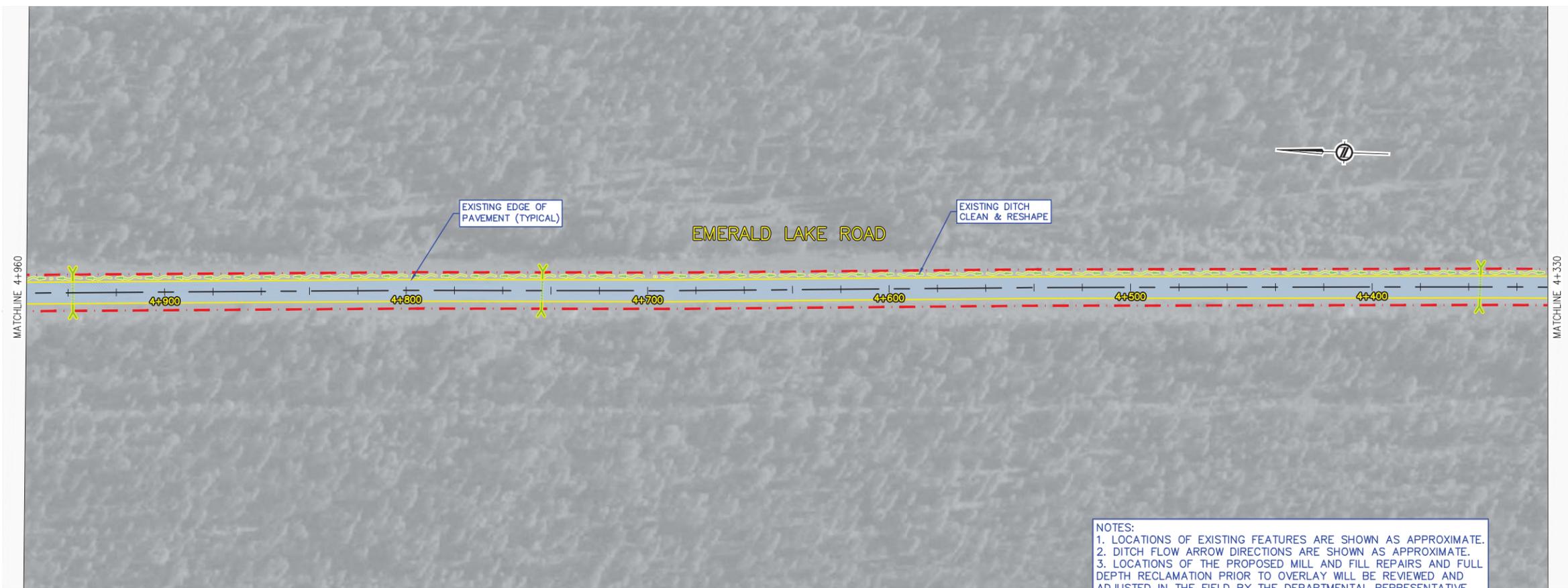
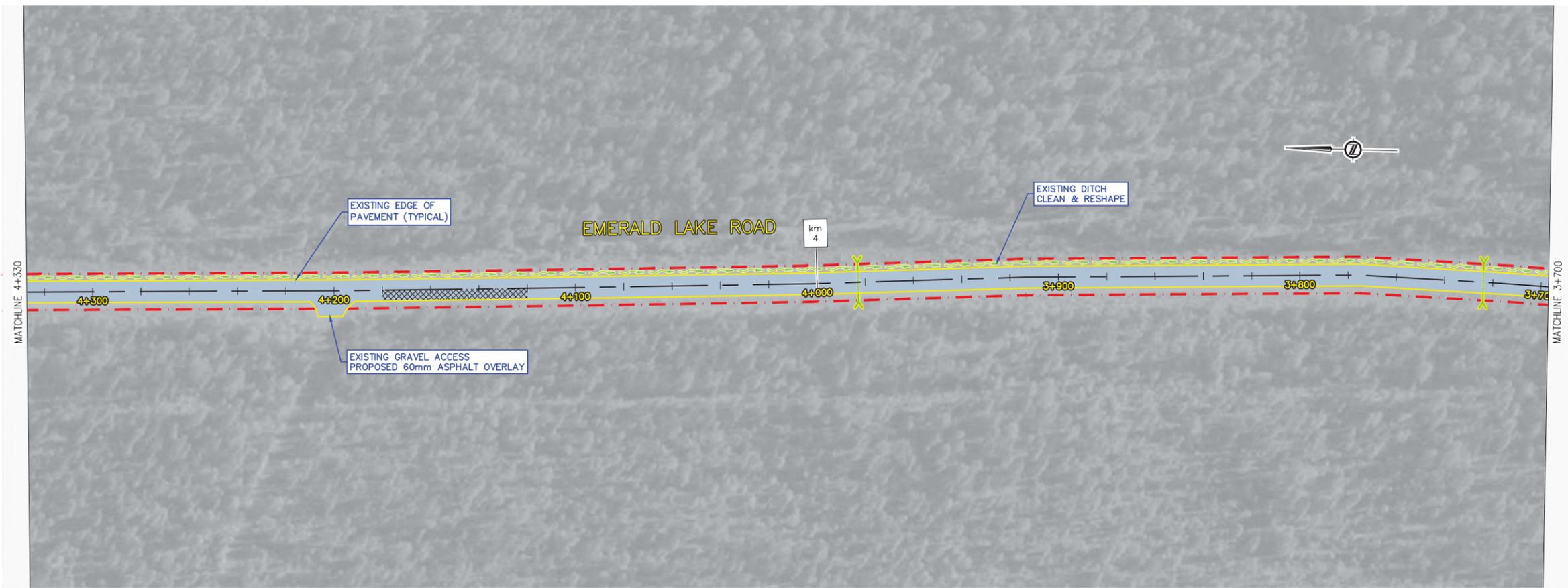
Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
201547		103
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

NOTES:

- LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
- DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
- LOCATIONS OF THE PROPOSED MILL AND FILL REPAIRS AND FULL DEPTH RECLAMATION PRIOR TO OVERLAY WILL BE REVIEWED AND ADJUSTED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.
- IMAGERY FROM ESRI

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NOTES:
 1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
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 4. IMAGERY FROM ESRI

LEGEND

- PROPOSED MILLED TIE-IN
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
- PROPOSED FULL DEPTH RECLAMATION
- BRUSHING LIMIT (typ.)
- EOP
- EXISTING W BEAM GUARDRAIL
- EXISTING CONCRETE BARRIER
- CLEAN & RESHAPE EXISTING DITCH
- EXISTING CULVERT

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

Client/client

Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Project title/Titre du projet

**EMERALD LAKE ROAD
PAVEMENT REHABILITATION**

YHOHO NATIONAL PARK, BC

Drawing title/Titre du dessin

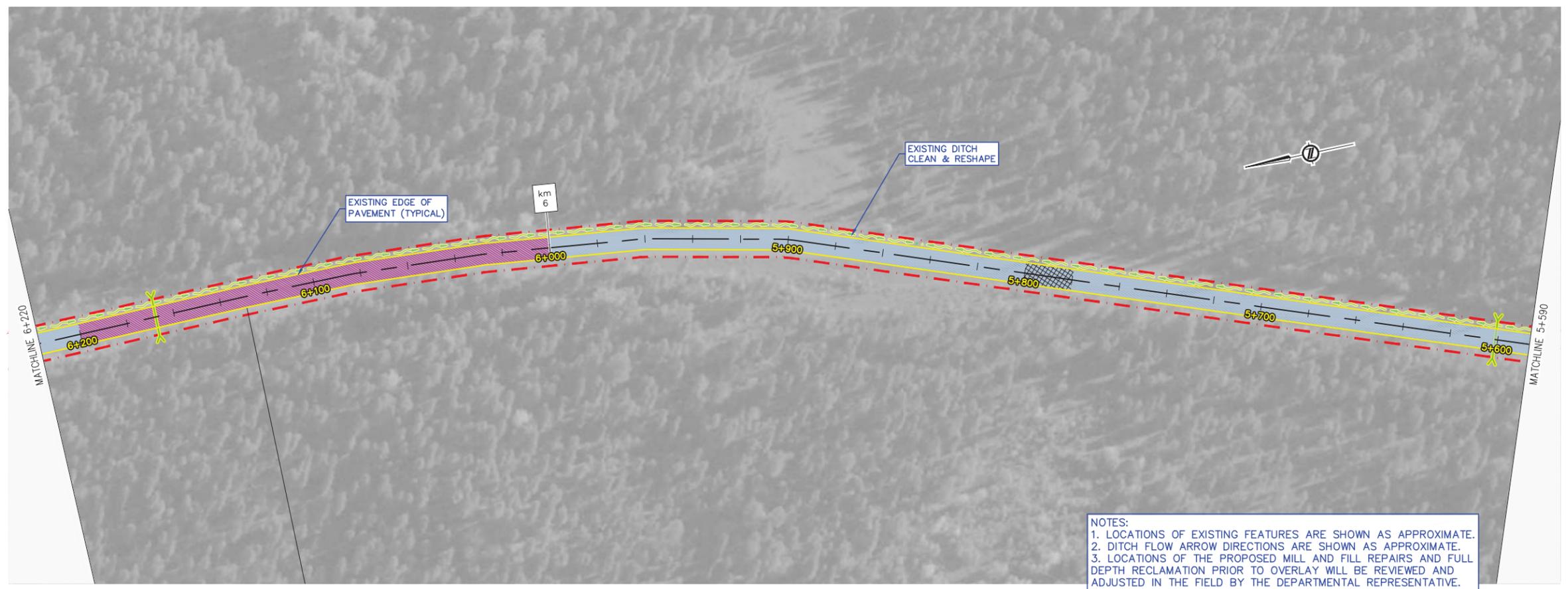
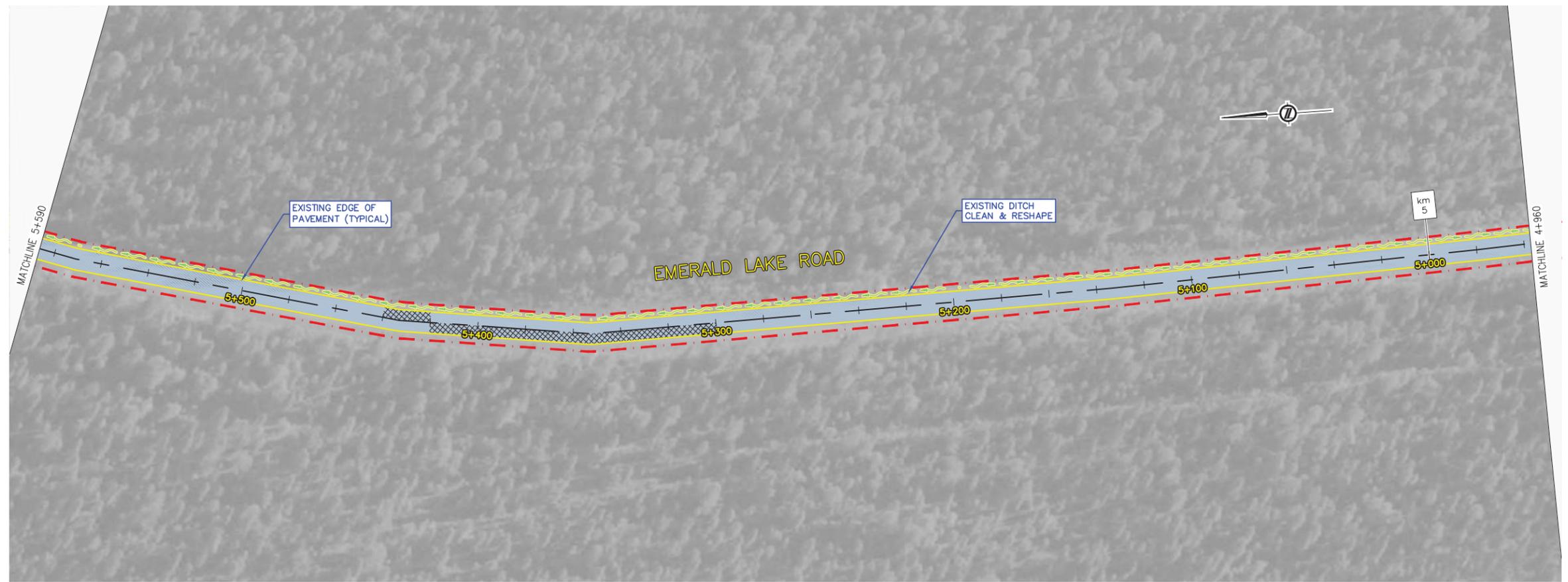
PLAN

STA 3+700 TO 4+960

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	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		
Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
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Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

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NOTES:
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 4. IMAGERY FROM ESRI

LEGEND

- PROPOSED MILLED TIE-IN
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
- PROPOSED FULL DEPTH RECLAMATION
- BRUSHING LIMIT (typ.)
- EOP
- EXISTING W BEAM GUARDRAIL
- EXISTING CONCRETE BARRIER
- CLEAN & RESHAPE EXISTING DITCH
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A detail number numéro de détail		A detail on drawing no. détail sur dessin no.		
B source drawing no. de dessin no.		B C		
C detail on drawing no. détail sur dessin no.		C		
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	

Client/client

	Parks Canada Agency Western and Northern Region		L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name
Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

**EMERALD LAKE ROAD
PAVEMENT REHABILITATION**

YOHO NATIONAL PARK, BC

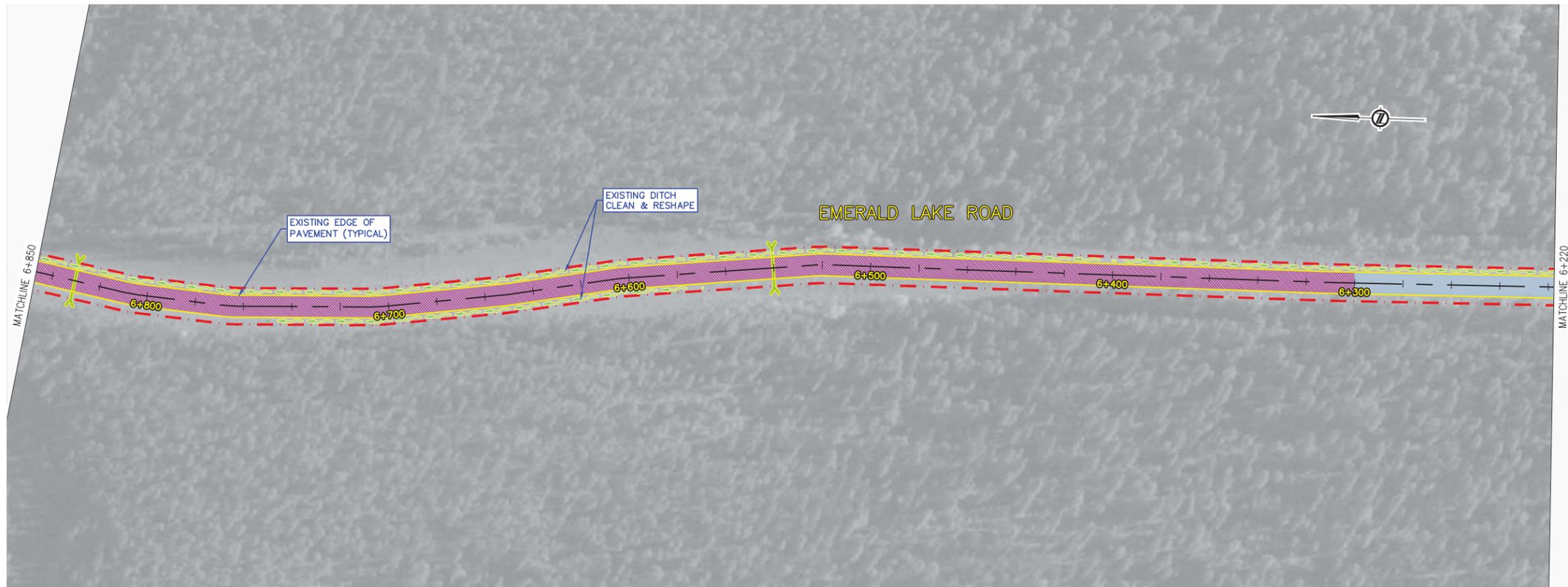
Drawing title/Titre du dessin

PLAN

STA 4+960 TO 6+220

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
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AK	SF	1:1000
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Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
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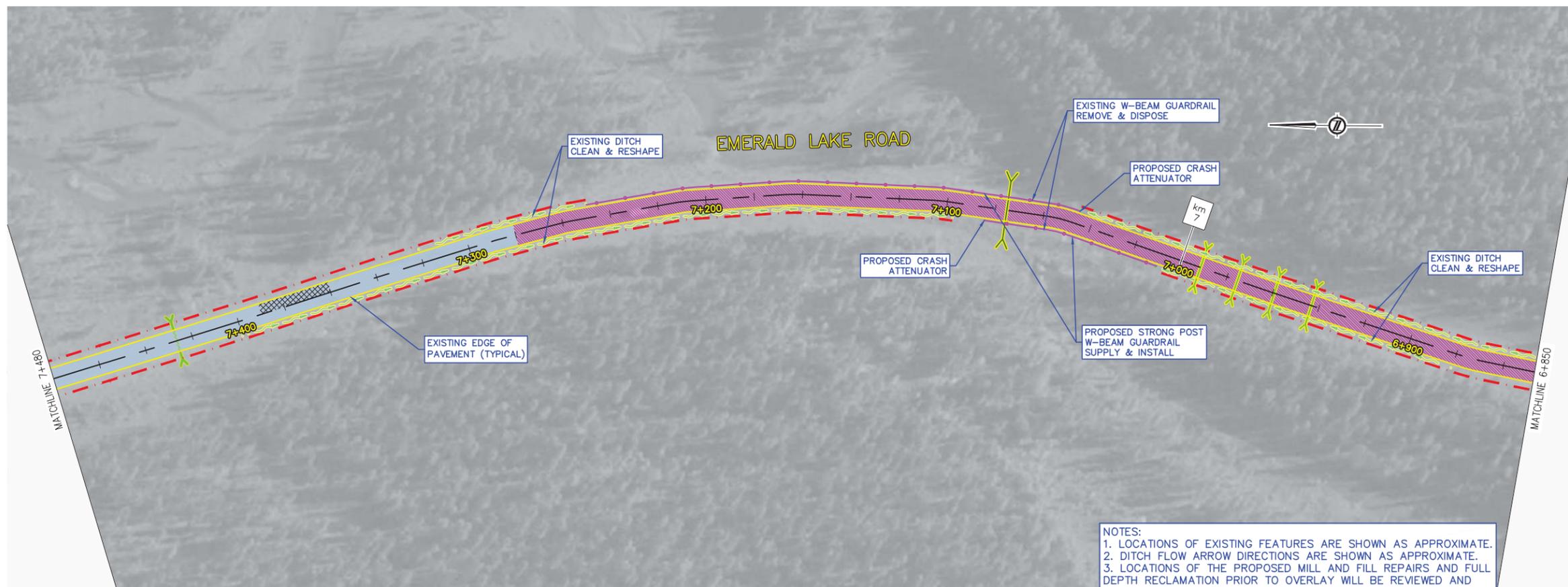
LEGEND

- PROPOSED MILLED TIE-IN
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
- PROPOSED FULL DEPTH RECLAMATION
- BRUSHING LIMIT (typ.)
- EXISTING W-BEAM GUARDRAIL
- EXISTING CONCRETE BARRIER
- CLEAN & RESHAPE EXISTING DITCH
- EXISTING CULVERT

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				
A detail number numéro de détail		A detail on drawing no. détail sur dessin no.		
B source drawing no. de dessin no.		B C		
C detail on drawing no. détail sur dessin no.		C		
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	



NOTES:

- LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
- DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
- LOCATIONS OF THE PROPOSED MILL AND FILL REPAIRS AND FULL DEPTH RECLAMATION PRIOR TO OVERLAY WILL BE REVIEWED AND ADJUSTED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.
- IMAGERY FROM ESRI

Client/client

Parks Canada Agency Western and Northern Region

L'Agence Parcs Canada Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

EMERALD LAKE ROAD PAVEMENT REHABILITATION

YOHO NATIONAL PARK, BC

Drawing title/Titre du dessin

PLAN

STA 6+220 TO 7+480

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client	Approved by/Approuvé par

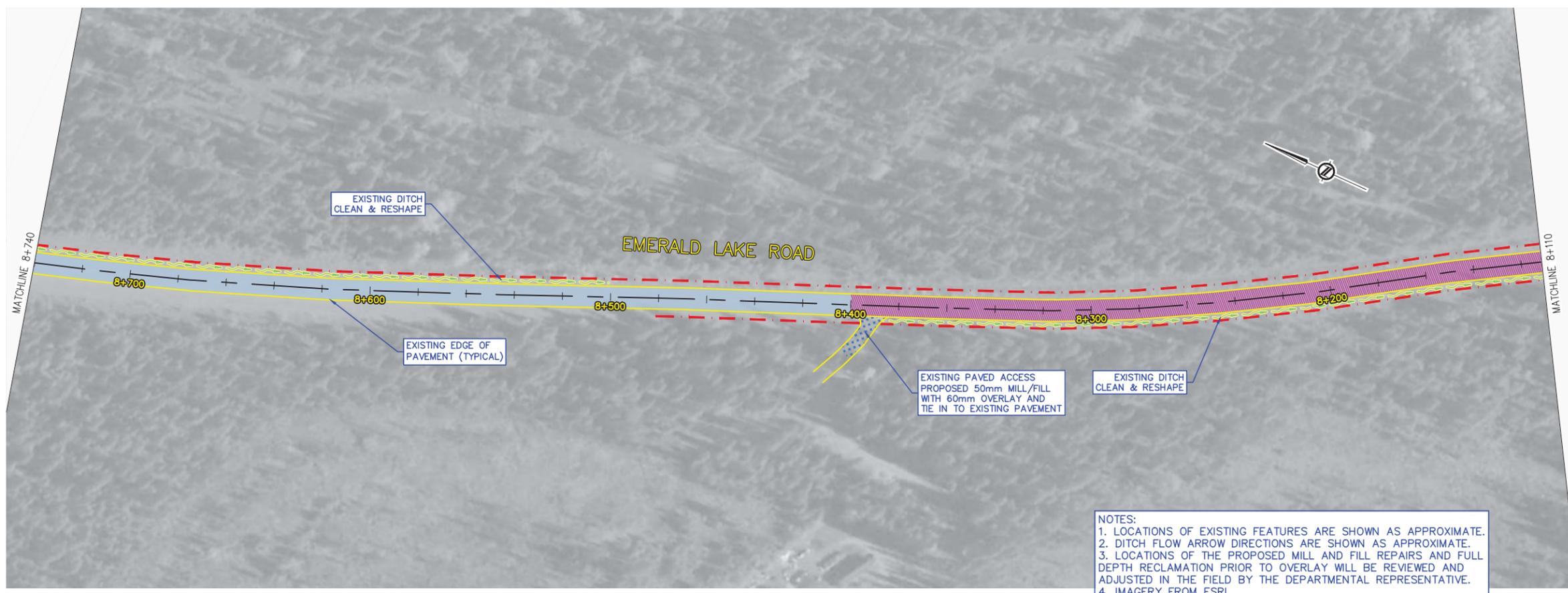
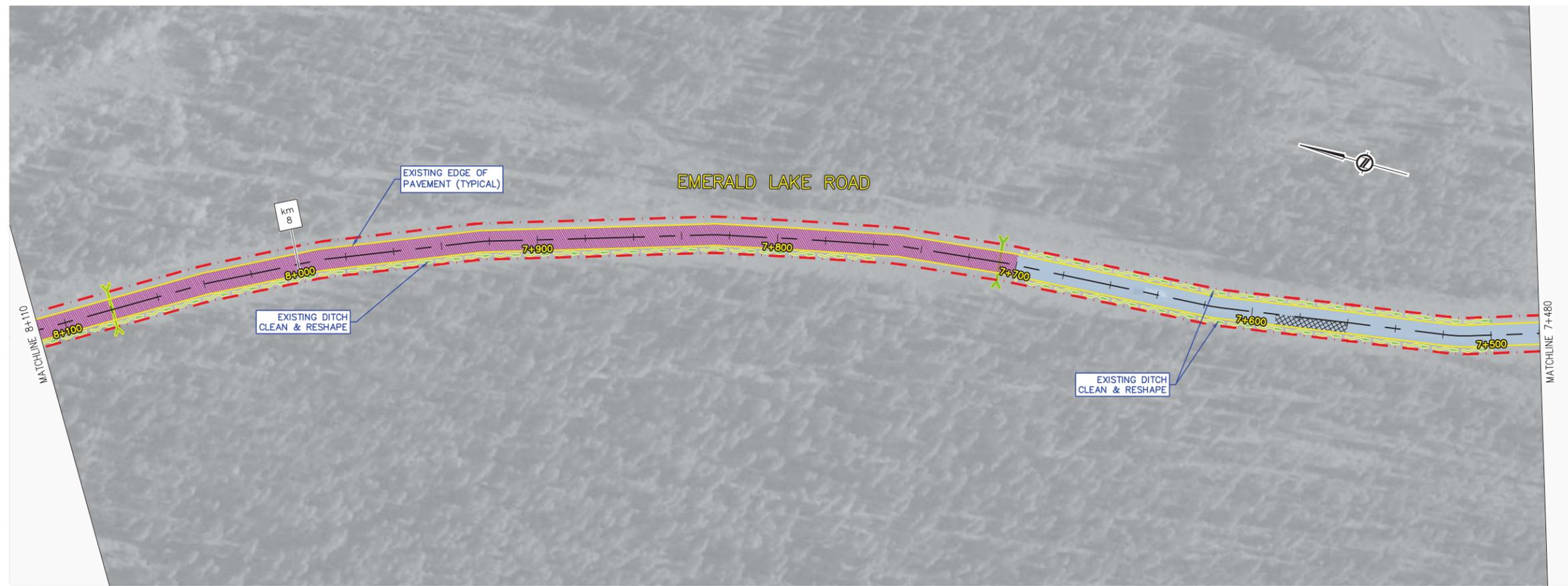
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201547		106

Drawing Reference No./No. de référence du dessin

2121-00546-02-RE

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LEGEND

- PROPOSED MILLED TIE-IN
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
- PROPOSED FULL DEPTH RECLAMATION
- BRUSHING LIMIT (typ.)
- EOP
- EXISTING W BEAM GUARDRAIL
- EXISTING CONCRETE BARRIER
- CLEAN & RESHAPE EXISTING DITCH
- EXISTING CULVERT

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A		2016.03.04	ISSUED FOR TENDER	HC	SF
No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé	
Revision / Revision					
A		A detail number numéro de détail			
B		B source drawing no. de dessin no.			
C		C detail on drawing no. détail sur dessin no.			
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur		

Client/client

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

Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
**EMERALD LAKE ROAD
 PAVEMENT REHABILITATION**
 YOHO NATIONAL PARK, BC

Drawing title/Titre du dessin
PLAN
STA 7+480 TO 8+740
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

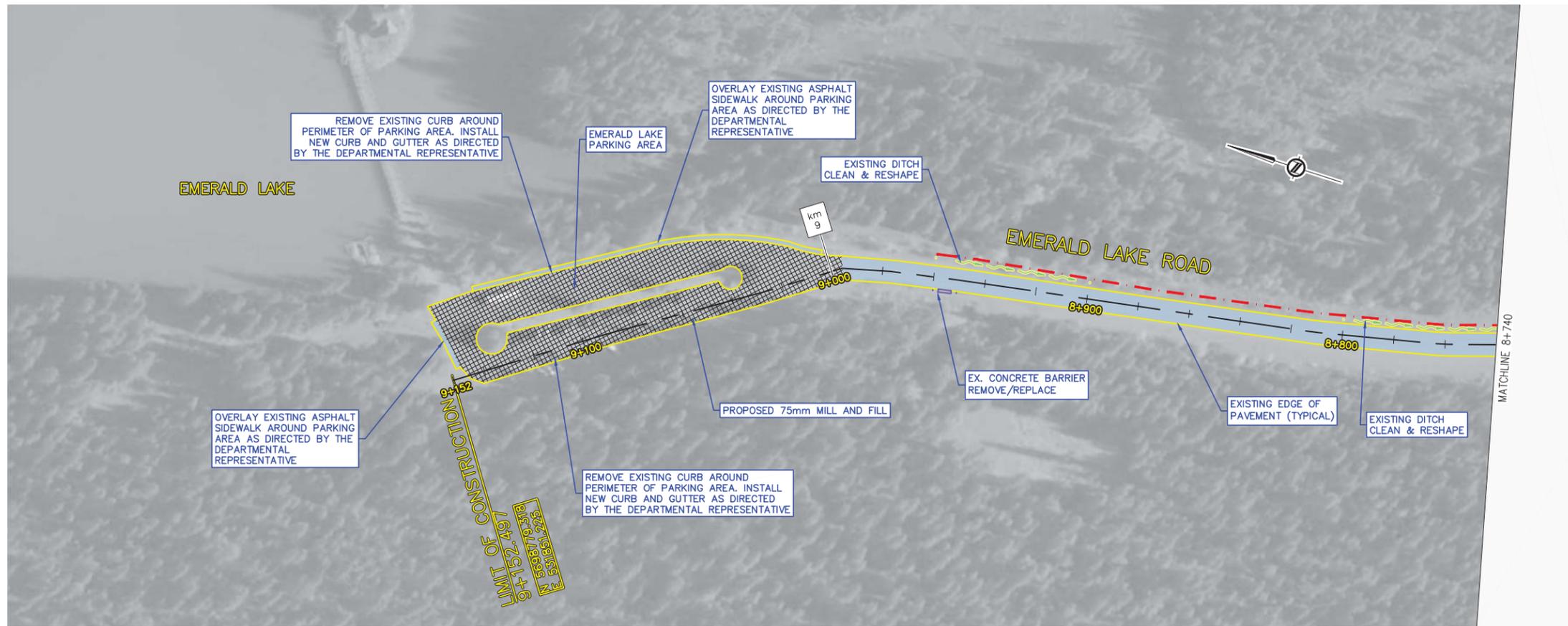
Client Acceptance/Acceptation du client

Approved by/Approuvé par

Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
201547		107
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

NOTES:
 1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
 3. LOCATIONS OF THE PROPOSED MILL AND FILL REPAIRS AND FULL DEPTH RECLAMATION PRIOR TO OVERLAY WILL BE REVIEWED AND ADJUSTED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.
 4. IMAGERY FROM ESRI

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 Date: March 04, 2016 12:33:04



LEGEND

- PROPOSED MILLED TIE-IN
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL w/ 60mm OVERLAY
- PROPOSED FULL DEPTH RECLAMATION
- BRUSHING LIMIT (typ.)
- EOP
- EXISTING W BEAM GUARDRAIL
- EXISTING CONCRETE BARRIER
- CLEAN & RESHAPE EXISTING DITCH
- EXISTING CULVERT

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A		2016.03.04	ISSUED FOR TENDER	HC	SF
No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé	
Revision / Revision					
A C		A detail number numéro de détail		A B C	
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur		

Client/client

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



Project title/Titre du projet

**EMERALD LAKE ROAD
PAVEMENT REHABILITATION**

YHOHO NATIONAL PARK, BC

Drawing title/Titre du dessin

**PLAN
STA 8+740 TO 9+000
EMERALD LAKE PARKING AREA
NOT FOR CONSTRUCTION**

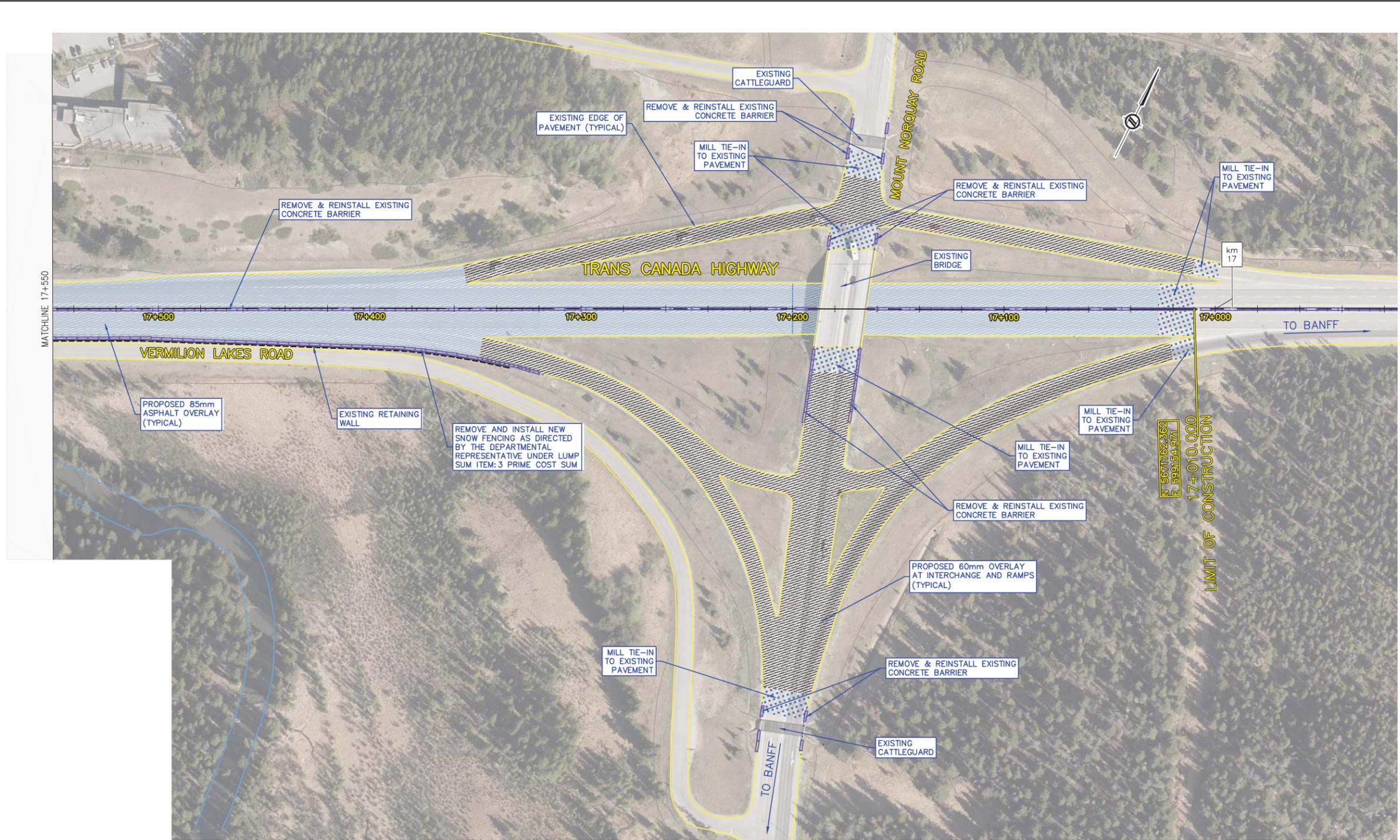
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client	Approved by/Approuvé par	
Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
201547		108
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

NOTES:

- LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
- DITCH FLOW ARROW DIRECTIONS ARE SHOWN AS APPROXIMATE.
- LOCATIONS OF THE PROPOSED MILL AND FILL REPAIRS AND FULL DEPTH RECLAMATION PRIOR TO OVERLAY WILL BE REVIEWED AND ADJUSTED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.
- IMAGERY FROM ESRI



LEGEND

	PROPOSED 85mm OVERLAY
	PROPOSED 60mm OVERLAY
	PROPOSED 50mm MILL/FILL
	PROPOSED MILL TIE-IN
	EXISTING CONCRETE BARRIER
	EXISTING RETAINING WALL
	CLEAN EXISTING DITCH

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
A	2016.03.04	ISSUED FOR TENDER	HC	SF

Revision / Revision

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/client

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

Consultant's Name
Nom de l'expert-conseil

McElhanney

Project title/Titre du projet
**TRANS-CANADA HIGHWAY
PAVEMENT REHABILITATION**

BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin
PLAN

STA: 17+000 TO 17+500

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client

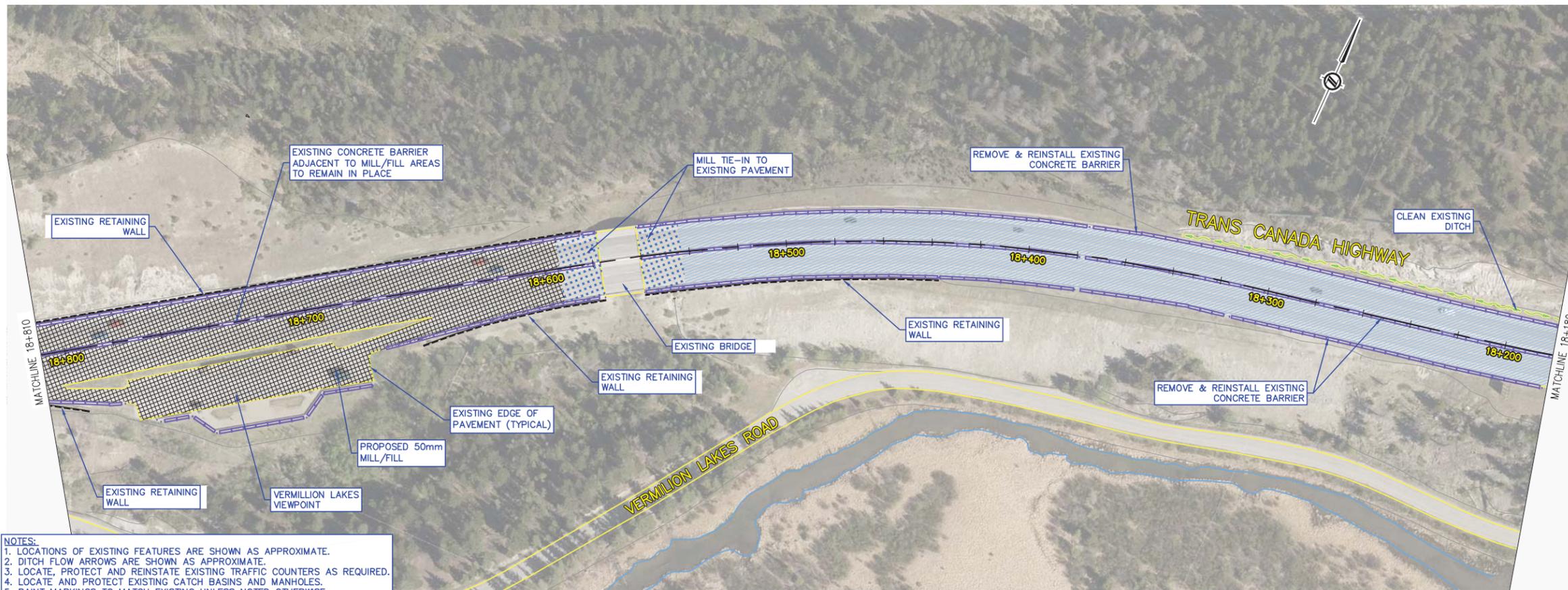
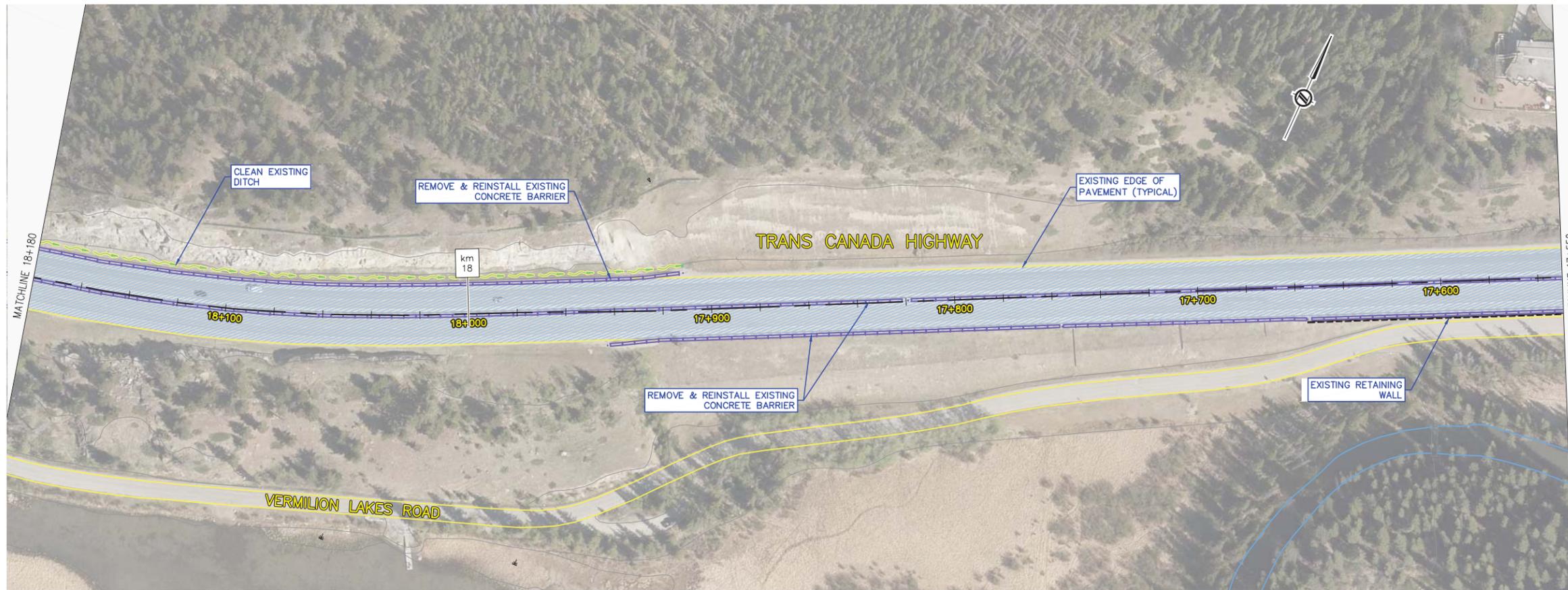
Approved by/Approuvé par

Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
201547		109
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

- NOTES:**
1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROWS ARE SHOWN AS APPROXIMATE.
 3. LOCATE, PROTECT AND REINSTATE EXISTING TRAFFIC COUNTERS AS REQUIRED.
 4. LOCATE AND PROTECT EXISTING CATCH BASINS AND MANHOLES.
 5. PAINT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE.

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NOTES:
 1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROWS ARE SHOWN AS APPROXIMATE.
 3. LOCATE, PROTECT AND REINSTATE EXISTING TRAFFIC COUNTERS AS REQUIRED.
 4. LOCATE AND PROTECT EXISTING CATCH BASINS AND MANHOLES.
 5. PAINT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE.

LEGEND

	PROPOSED 85mm OVERLAY
	PROPOSED 60mm OVERLAY
	PROPOSED 50mm MILL/FILL
	PROPOSED MILL TIE-IN
	EXISTING CONCRETE BARRIER
	EXISTING RETAINING WALL
	CLEAN EXISTING DITCH

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A	2016.03.04	ISSUED FOR TENDER	HC	SF
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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision	
	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
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Client/client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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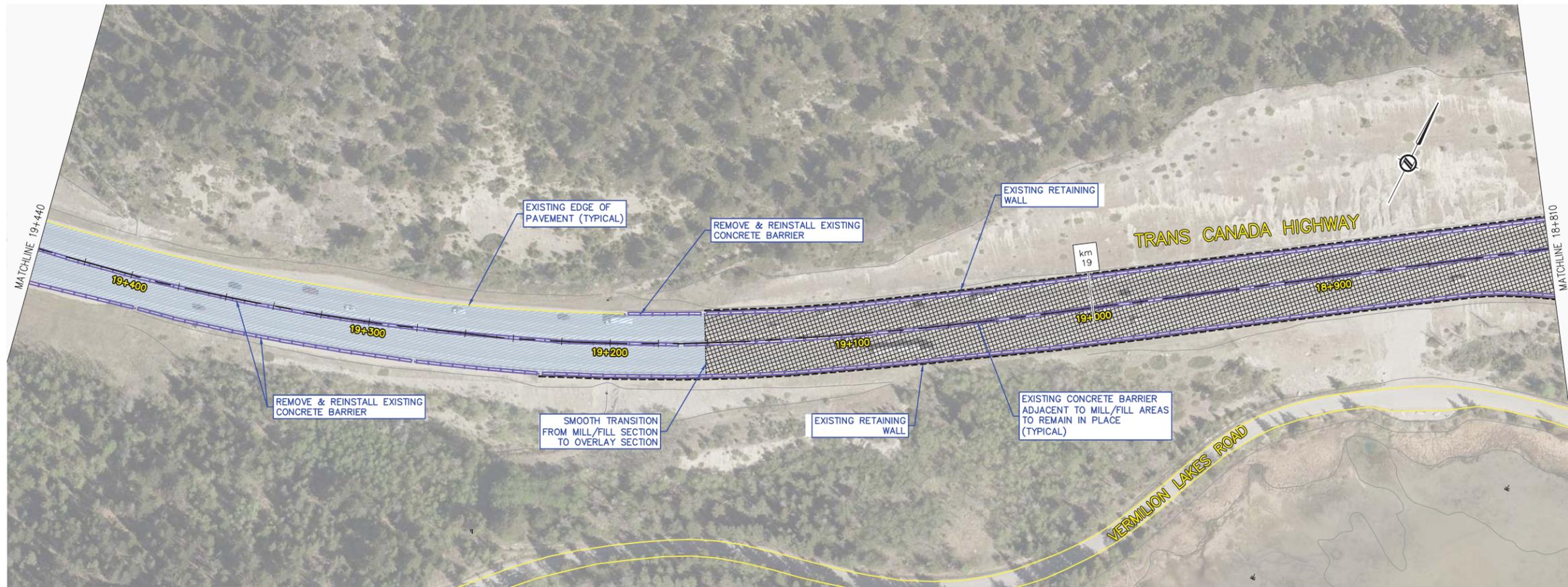
Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
**TRANS-CANADA HIGHWAY
 PAVEMENT REHABILITATION**
 BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin
PLAN
 STA: 17+550 TO 18+810
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	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	Asset No./No. du bien	Sheet No./ No. de la feuille
201547		110
Drawing Reference No./No. de référence du dessin 2121-00546-02-RE		



LEGEND

- PROPOSED 85mm OVERLAY
- PROPOSED 60mm OVERLAY
- PROPOSED 50mm MILL/FILL
- PROPOSED MILL TIE-IN
- EXISTING CONCRETE BARRIER
- EXISTING RETAINING WALL
- CLEAN EXISTING DITCH

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
A	2016.03.04	ISSUED FOR TENDER	HC	SF

Revision / Revision				
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/client

Parks Canada
Agency
Western and Northern Region

L'Agence Parcs
Canada
Ouest et Nord
Région

Consultant's Name
Nom de l'expert-conseil



Project title/Titre du projet

**TRANS-CANADA HIGHWAY
PAVEMENT REHABILITATION**

BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin

PLAN

STA: 18+810 TO 20+070

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	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

Asset No./No. du bien

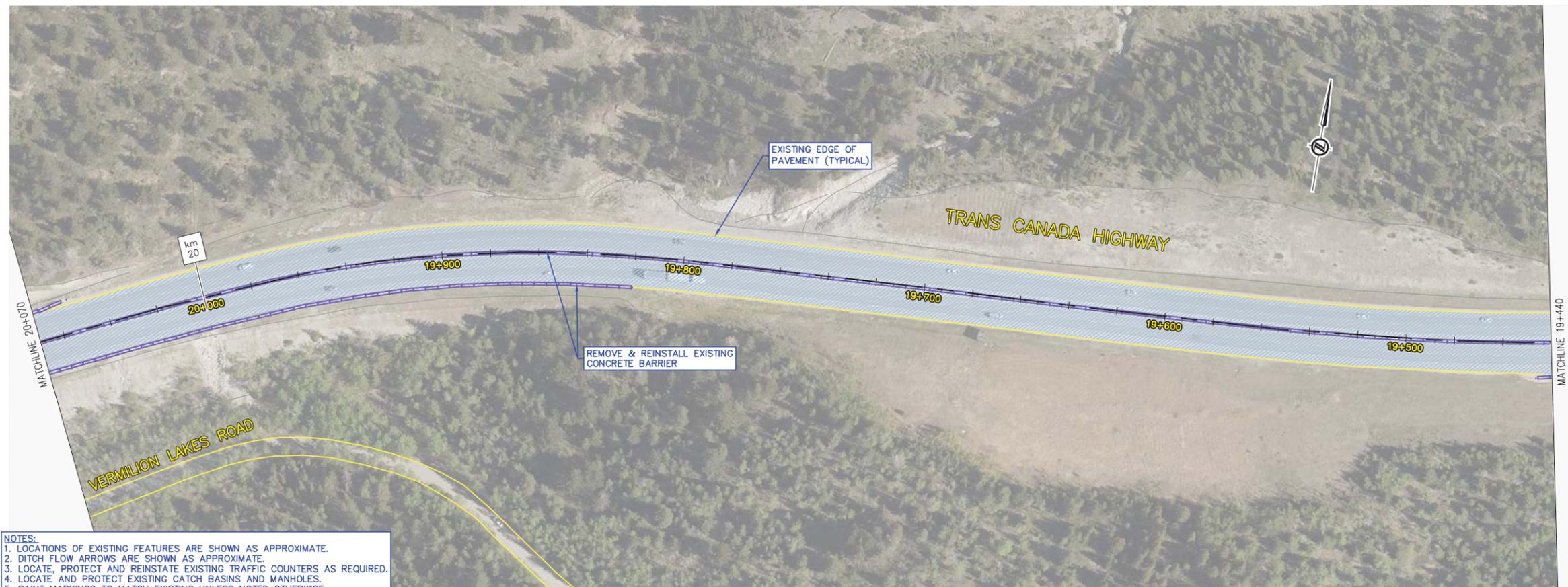
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Drawing Reference No./No. de référence du dessin

201547

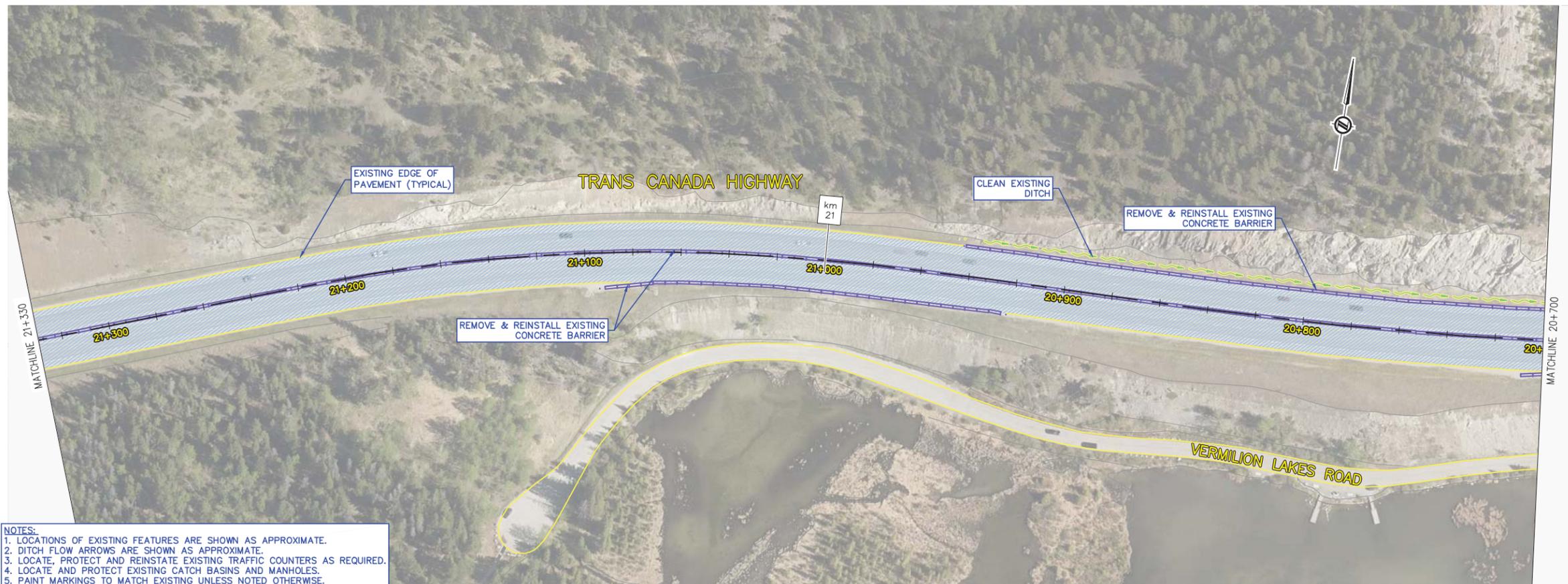
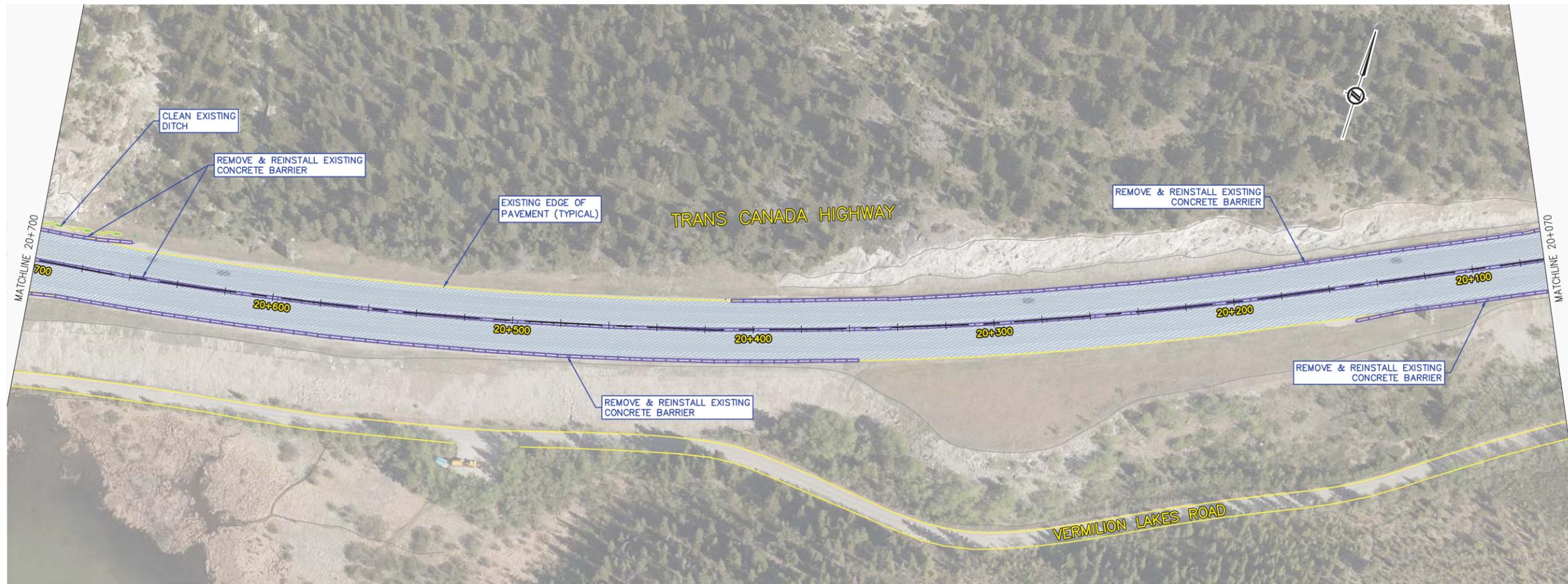
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2121-00546-02-RE



- NOTES:**
1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROWS ARE SHOWN AS APPROXIMATE.
 3. LOCATE, PROTECT AND REINSTATE EXISTING TRAFFIC COUNTERS AS REQUIRED.
 4. LOCATE AND PROTECT EXISTING CATCH BASINS AND MANHOLES.
 5. PAINT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE.

March 04, 2016 - 10:44:18
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NOTES:
 1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROWS ARE SHOWN AS APPROXIMATE.
 3. LOCATE, PROTECT AND REINSTATE EXISTING TRAFFIC COUNTERS AS REQUIRED.
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 5. PAINT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE.

LEGEND

	PROPOSED 85mm OVERLAY
	PROPOSED 60mm OVERLAY
	PROPOSED 50mm MILL/FILL
	PROPOSED MILL TIE-IN
	EXISTING CONCRETE BARRIER
	EXISTING RETAINING WALL
	CLEAN EXISTING DITCH

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A	2016.03.04	ISSUED FOR TENDER	HC	SF
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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

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

Client/client

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

Consultant's Name
Nom de l'expert-conseil

McElhanney

Project title/Titre du projet
**TRANS-CANADA HIGHWAY
 PAVEMENT REHABILITATION**
 BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin
PLAN
 STA: 20+070 TO 21+330
NOT FOR CONSTRUCTION

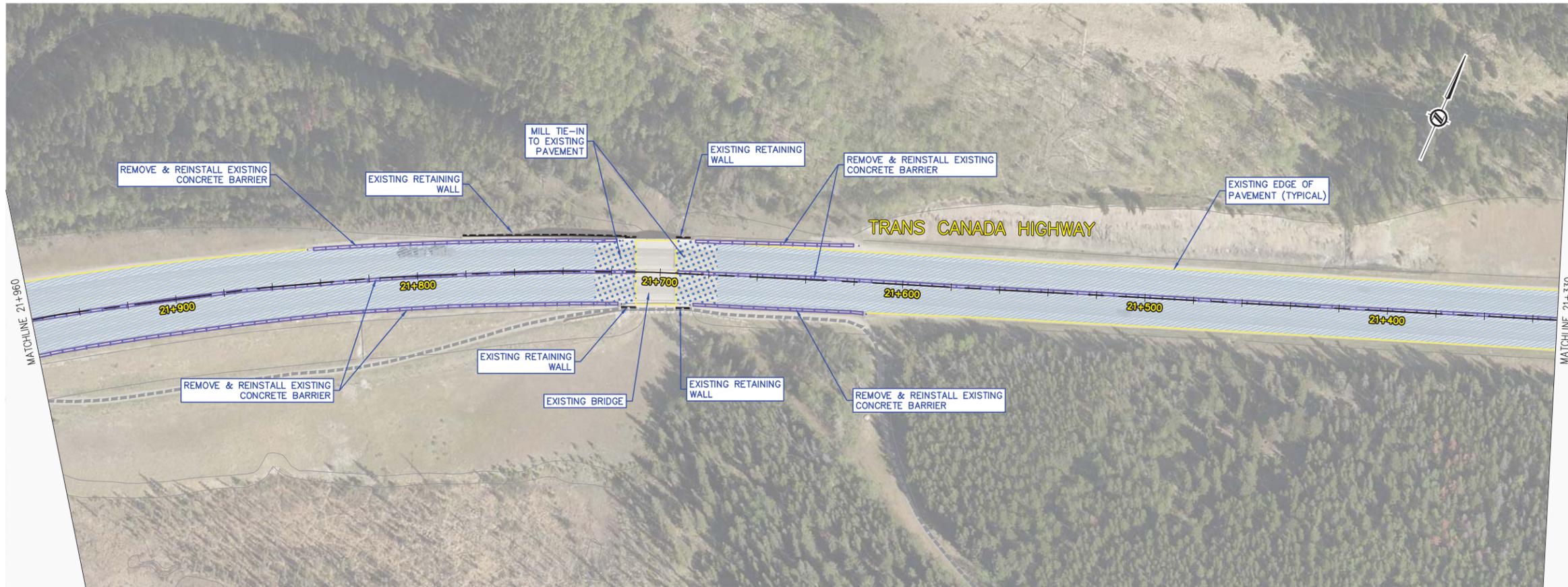
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client

Approved by/Approuvé par

Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
201547		112
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		



- LEGEND**
- PROPOSED 85mm OVERLAY
 - PROPOSED 60mm OVERLAY
 - PROPOSED 50mm MILL/FILL
 - PROPOSED MILL TIE-IN
 - EXISTING CONCRETE BARRIER
 - EXISTING RETAINING WALL
 - CLEAN EXISTING DITCH

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A	2016.03.04	ISSUED FOR TENDER	HC	SF
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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				
A		detail number numéro de détail	A	
B		source drawing no. de dessin no.	B	
C		detail on drawing no. détail sur dessin no.	C	

Consultant's Stamp / Sceau de l'expert-conseil

Eng. Stamp / Sceau de l'ingénieur

Client/client

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

Consultant's Name / Nom de l'expert-conseil



Project title/Titre du projet
**TRANS-CANADA HIGHWAY
PAVEMENT REHABILITATION**

BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin
PLAN
STA: 21+330 TO 22+520
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	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

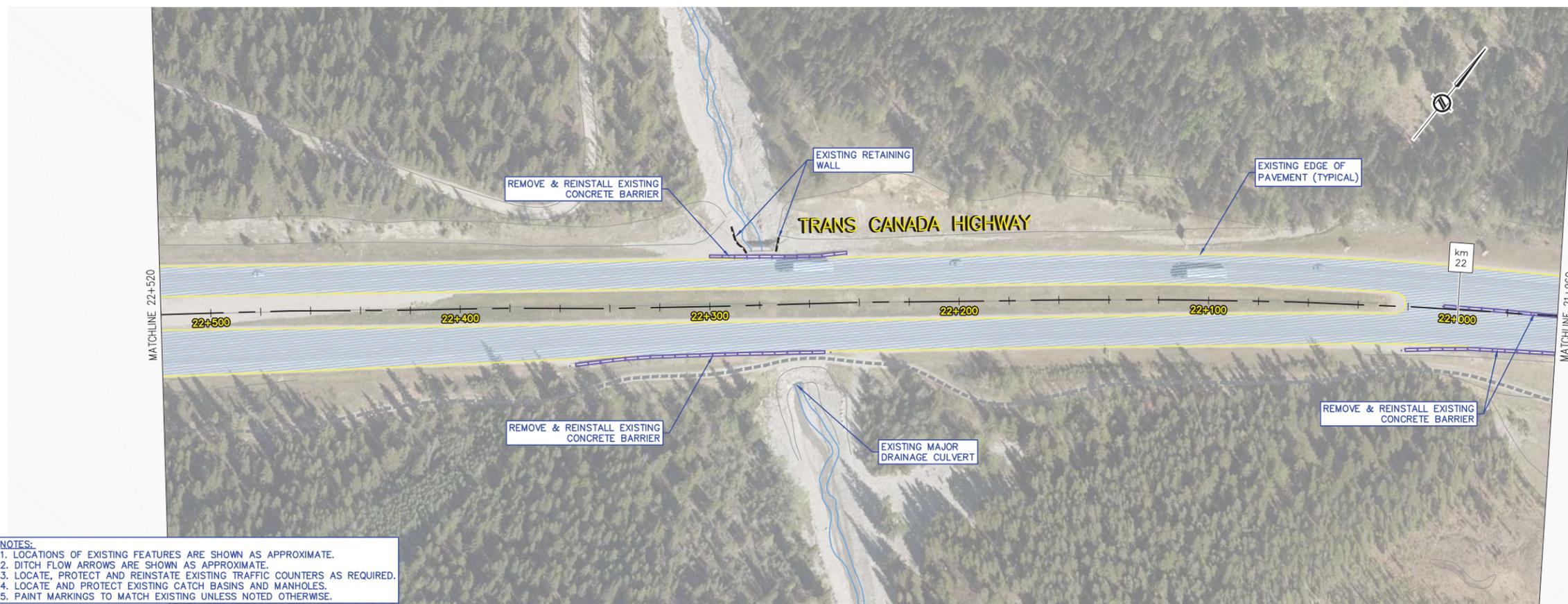
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Sheet No./No. de la feuille

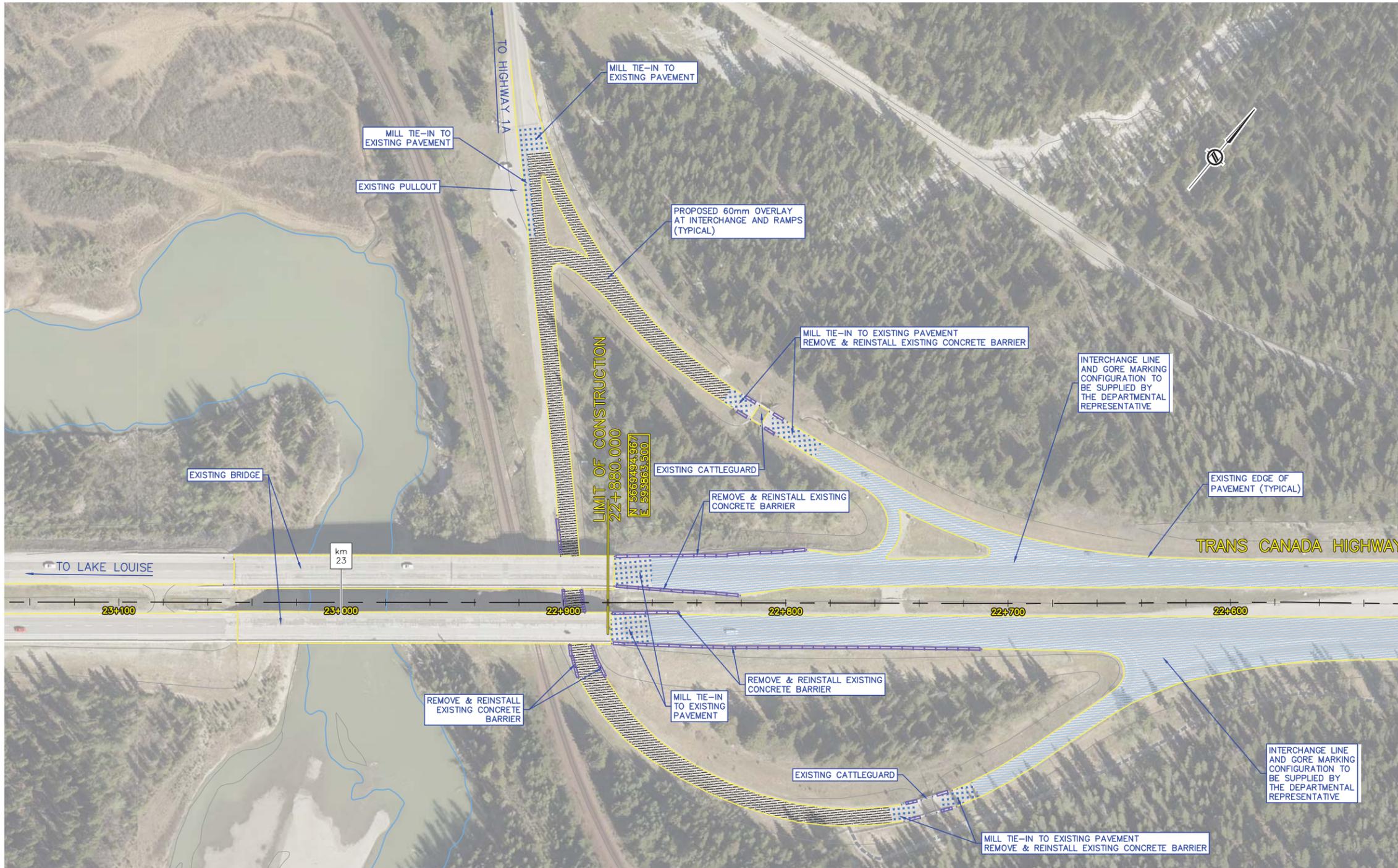
201547

Drawing Reference No./No. de référence du dessin
2121-00546-02-RE

113



- NOTES:**
- LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 - DITCH FLOW ARROWS ARE SHOWN AS APPROXIMATE.
 - LOCATE, PROTECT AND REINSTATE EXISTING TRAFFIC COUNTERS AS REQUIRED.
 - LOCATE AND PROTECT EXISTING CATCH BASINS AND MANHOLES.
 - PAINT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE.



LEGEND

	PROPOSED 85mm OVERLAY
	PROPOSED 60mm OVERLAY
	PROPOSED 50mm MILL/FILL
	PROPOSED MILL TIE-IN
	EXISTING CONCRETE BARRIER
	EXISTING RETAINING WALL
	CLEAN EXISTING DITCH

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
A	2016.03.04	ISSUED FOR TENDER	HC	SF

Revision / Révision

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
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Client/client

Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name
Nom de l'expert-conseil

Project title/Titre du projet
**TRANS-CANADA HIGHWAY
PAVEMENT REHABILITATION**

BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin
PLAN

STA: 22+520 TO 23+000

NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	HC	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	1:1000

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

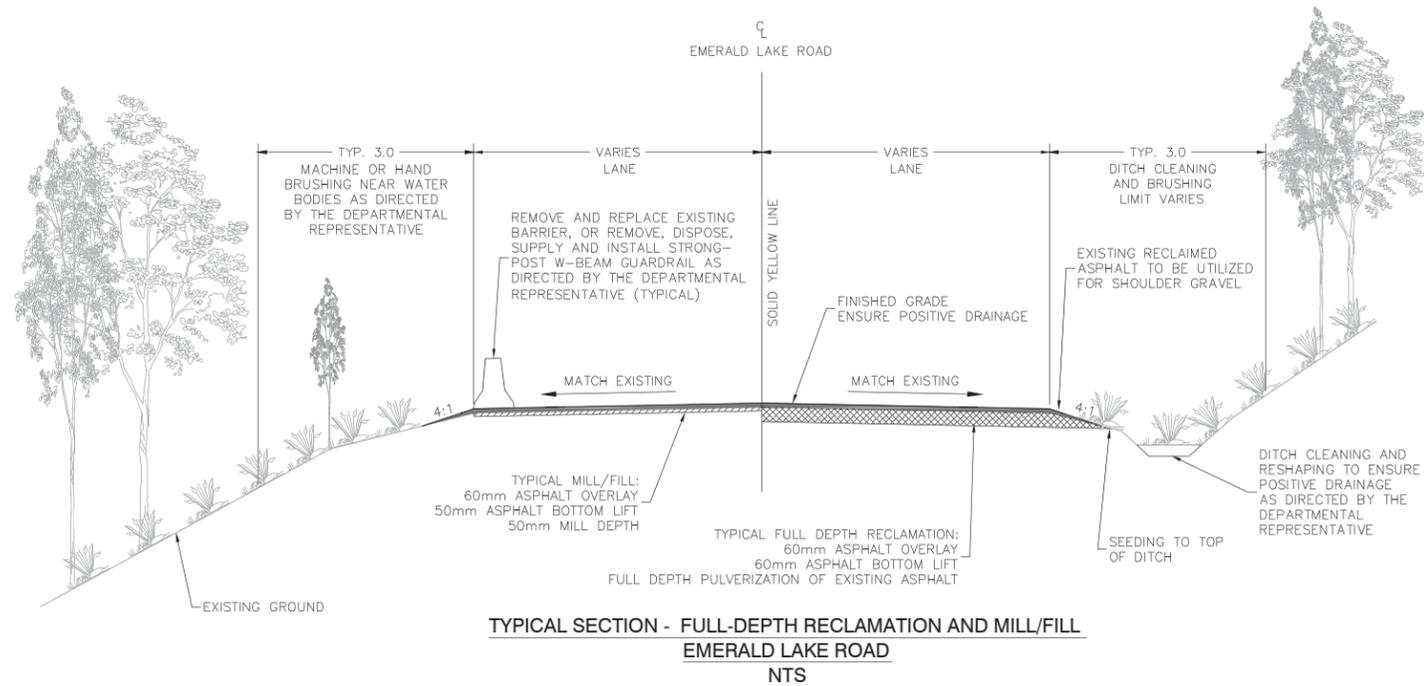
Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
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Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

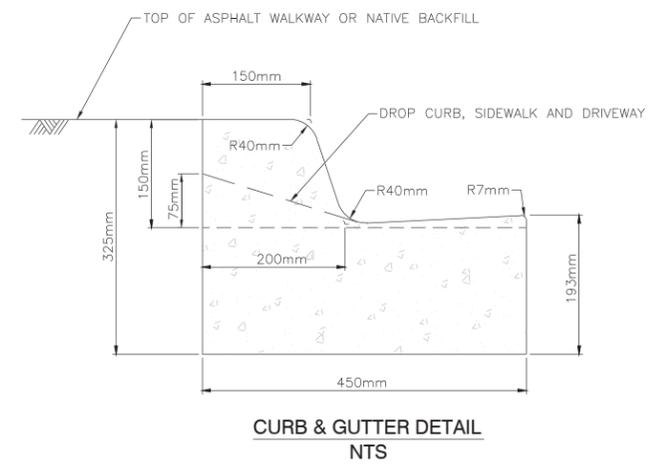
- NOTES:**
1. LOCATIONS OF EXISTING FEATURES ARE SHOWN AS APPROXIMATE.
 2. DITCH FLOW ARROWS ARE SHOWN AS APPROXIMATE.
 3. LOCATE, PROTECT AND REINSTATE EXISTING TRAFFIC COUNTERS AS REQUIRED.
 4. LOCATE AND PROTECT EXISTING CATCH BASINS AND MANHOLES.
 5. PAINT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE.

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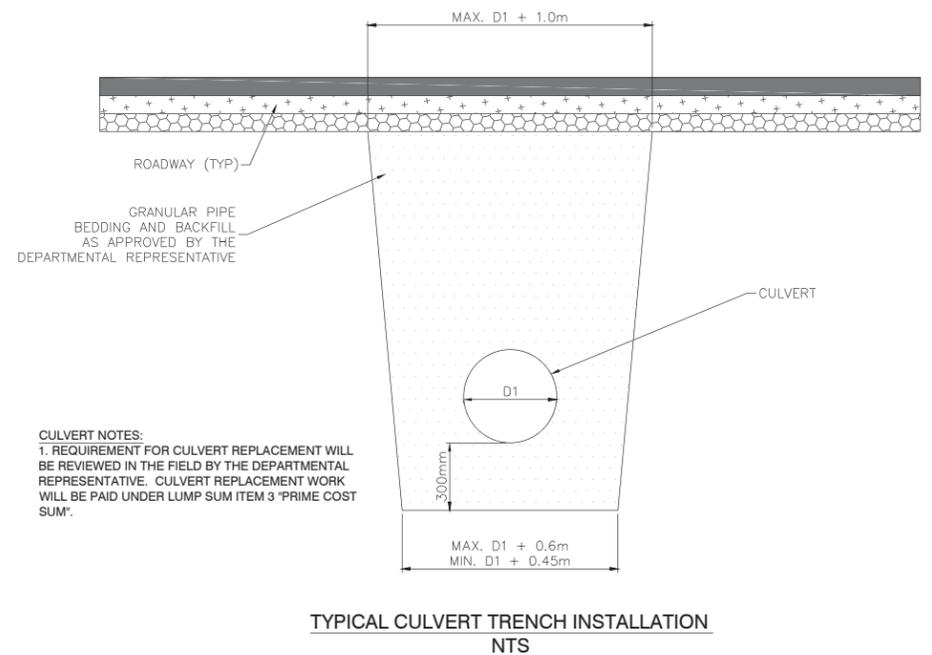


**TYPICAL SECTION - FULL-DEPTH RECLAMATION AND MILL/FILL
EMERALD LAKE ROAD
NTS**

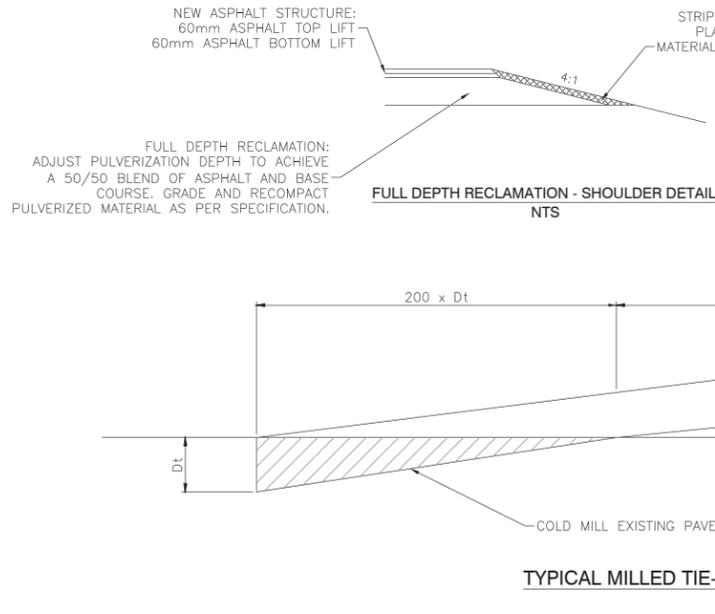


**CURB & GUTTER DETAIL
NTS**

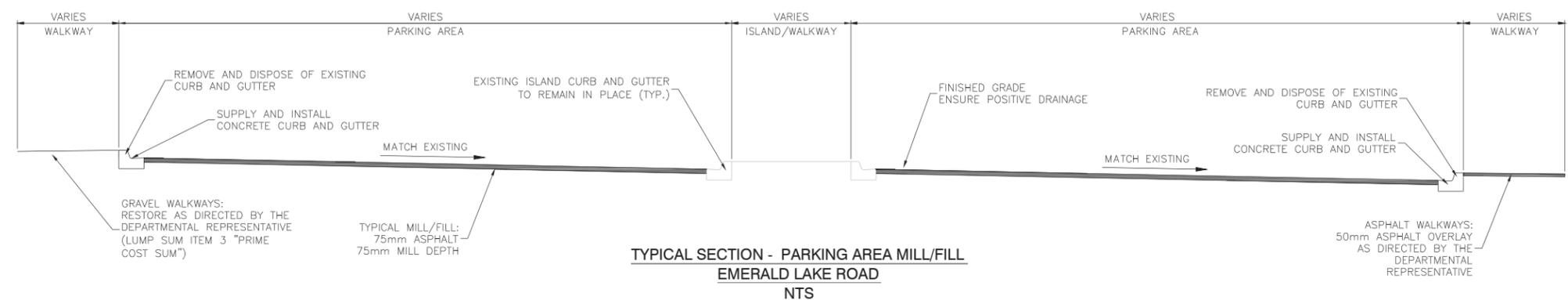
- CURB & GUTTER NOTES:**
- THE CONCRETE INCORPORATED IN THE CURB SHALL:
 - MINIMUM COMPRESSIVE STRENGTH OF 30 MPa AT 28 DAYS;
 - COURSE AGGREGATE OF MAXIMUM PARTICLE SIZE NOT EXCEEDING 25 mm;
 - MINIMUM CEMENT CONTENT OF 350 kg/m³;
 - ENTRAINED AIR OF 6% - 8%;
 - SLUMP: BETWEEN 10 mm AND 25 mm FOR EXTRUDED; MAXIMUM 65 mm FOR POURED IN PLACE;
 - MAXIMUM WATER - CEMENT RATIO OF 0.45.
 - CONTRACTION JOINTS SHALL BE CUT AND TOOLED INTO THE CONCRETE TO A DEPTH OF 60% OF THE THICKNESS OF THE CONCRETE AT INTERVALS OF 3 m.
 - EXPANSION JOINTS 13 mm IN THICKNESS CUT TO THE CROSS-SECTION OF THE COMBINED CURB AND GUTTER, COMPOSED OF PREMOULDED JOINT FILLER SHALL BE INSTALLED AT APPROXIMATELY 15 m INTERVALS AS WELL AS AT CURB RETURNS, EITHER SIDE OF DRIVEWAYS AND OTHER LOCATIONS AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.



**TYPICAL CULVERT TRENCH INSTALLATION
NTS**



**TYPICAL MILLED TIE-IN TO EXISTING ASPHALT
NTS**



**TYPICAL SECTION - PARKING AREA MILL/FILL
EMERALD LAKE ROAD
NTS**

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No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
A	2016.03.04	ISSUED FOR TENDER	AK	SF

Revision / Revision

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

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client/client

Parks Canada Agency
Western and Northern Region

L'Agence Parcs Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

**EMERALD LAKE ROAD
PAVEMENT REHABILITATION**

YOHO NATIONAL PARK, BC

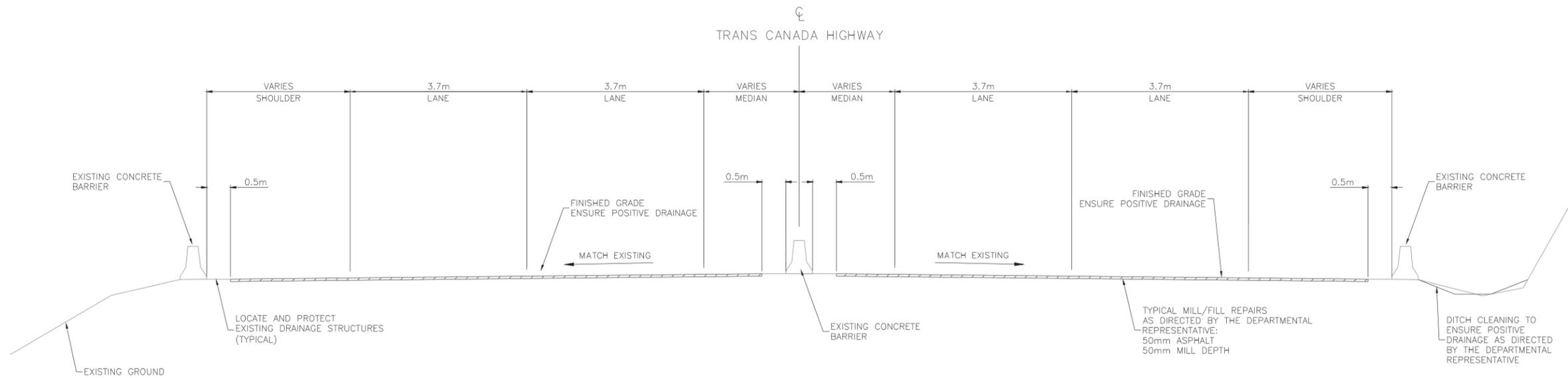
Drawing title/Titre du dessin

**TYPICAL SECTIONS
AND DETAILS**

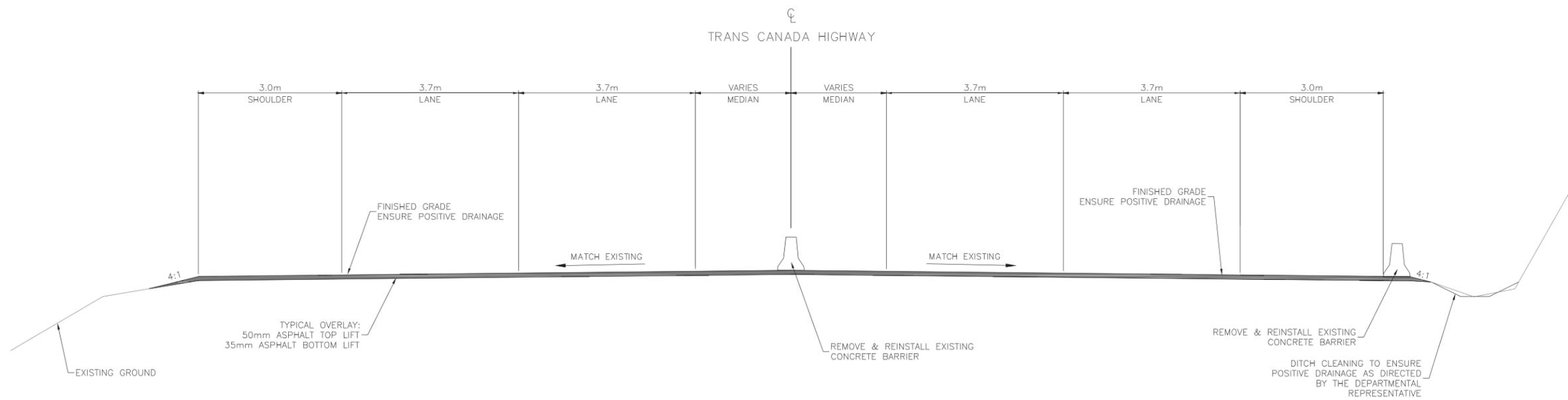
NOT FOR CONSTRUCTION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
-	AK	2016.03.04
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	SF	NTS
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		
Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
201547		301
Drawing Reference No./No. de référence du dessin		
2121-00546-02-RE		

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**TYPICAL SECTION - MILL/FILL
TRANS CANADA HIGHWAY
NTS**



**TYPICAL SECTION - OVERLAY
TRANS CANADA HIGHWAY
NTS**

GENERAL NOTES:
 1. ADJUST CATCH BASIN FRAMES AND GRATES AS REQUIRED AND AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE. CATCH BASIN GRATES SHALL TYPICALLY BE SET 50mm BELOW FINISHED PAVEMENT GRADES.



**TYPICAL MILLED TIE-IN TO EXISTING ASPHALT
NTS**

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Consultant's Stamp / Sceau de l'expert-conseil

Eng. Stamp / Sceau de l'ingénieur

Client/Client

Parks Canada Agency / L'Agence Parcs Canada
 Western and Northern Region / Ouest et Nord Région

Consultant's Name / Nom de l'expert-conseil

McElhanney

Project title/Titre du projet

**TRANS CANADA HIGHWAY
PAVEMENT REHABILITATION**

BANFF NATIONAL PARK, AB

Drawing title/Titre du dessin

**TYPICAL SECTIONS
AND DETAILS**

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-	AK	2016.03.04
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201547		302
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2121-00546-02-RE		