



**McElhanney**

for / pour



Parks Canada  
Agency

L'Agence Parcs  
Canada

**WILDLIFE EXCLUSION FENCING  
PHASE 3  
KM 0.0 TO KM 26.5**

**TRANS CANADA HIGHWAY  
BANFF NATIONAL PARK, AB**

**ISSUED FOR TENDER**

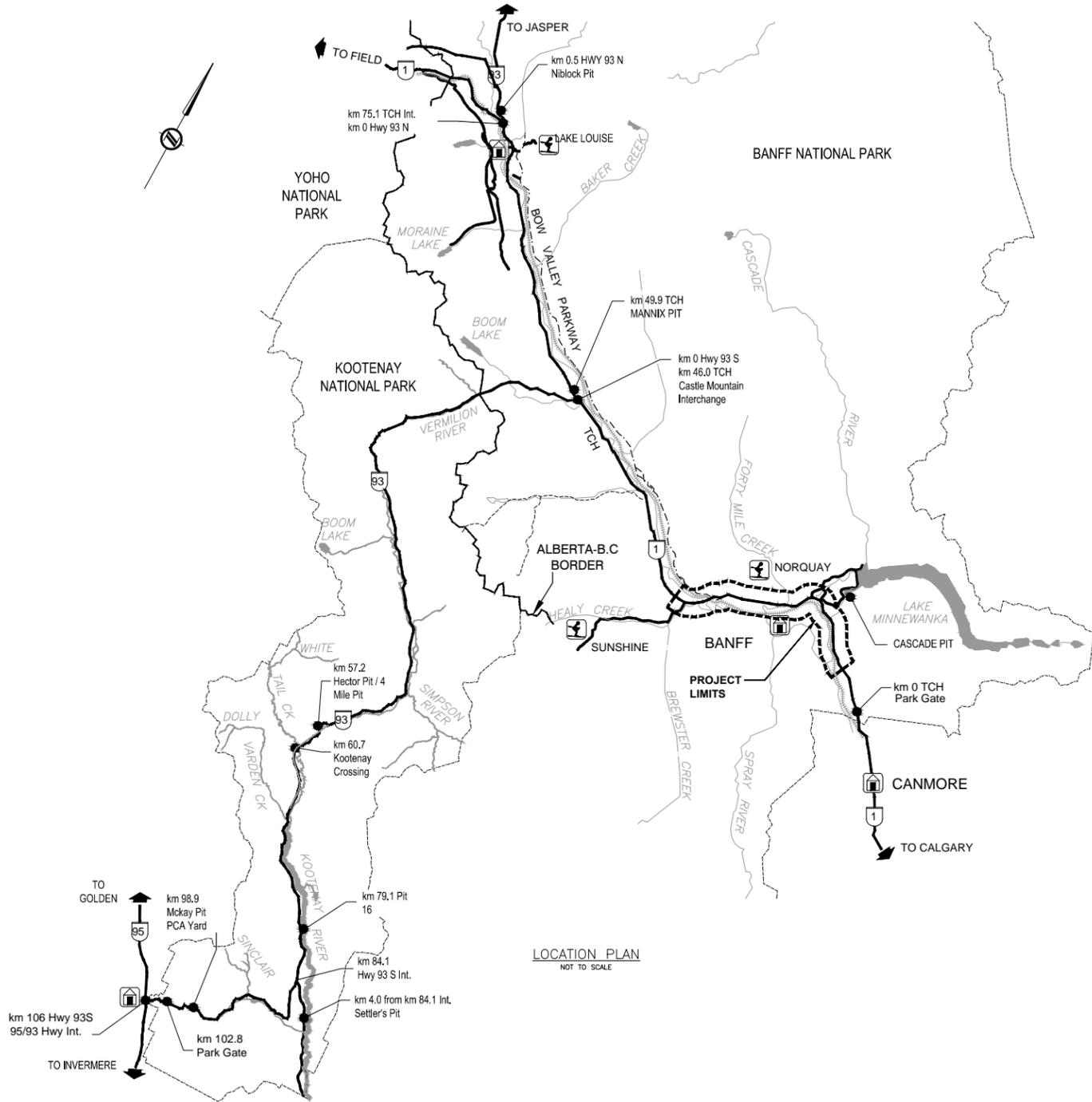
**NOT FOR CONSTRUCTION**

**PROJECT No. 568-1**

**JANUARY, 2017**

**C01**

Filename: G:\Projects\2121\2121-00546-02-PCA\BMP\_TCH\_Evaluation\_Fencing\1.0.0 Drawings\1.0.3 Sheet Files\Cover-PIB-COVER-LEGEND\_LOCATION-CON to C02.dwg/ctb  
 January 31, 2017, 11:46:22  
 Plotted: A1 841 x 594 mm



DRAWING INDEX	
SHEET No.	SHEET TITLE
C01	COVER SHEET
C02	LOCATION PLAN, DRAWING INDEX AND LEGEND
F01-F11	FENCING PLAN - TRANSCANADA HIGHWAY STA 0+000 TO STA 26+500
D01-D05	WILDLIFE FENCE AND GATE DETAILS

**LEGEND**

**ALIGNMENT ABBREVIATIONS**

- POC - POINT ON CURVE
- PCC - POINT OF COMPOUND CURVATURE
- PC - POINT OF CURVATURE
- PT - POINT OF TANGENCY
- TC - TANGENT TO CURVE
- CC - CURVE CENTRE
- 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**

- BH - BORE HOLE
- BW - BACK OF SIDEWALK
- CB - CATCH BASIN
- C&G - CURB AND GUTTER
- C.I.P. - CAST IN PLACE CONCRETE
- CI - CULVERT INLET
- CO - CULVERT OUTLET
- DES - DESIGN
- EOP - EDGE OF PAVEMENT
- EX - EXISTING
- LOG - LIP OF GUTTER
- LS - LIGHT STANDARD
- MH - MANHOLE
- PROP - PROPOSED
- PP - POWER POLE
- S - SANITARY
- ST - STORM
- W - WATER
- NB - NORTHBOUND
- SB - SOUTHBOUND
- EB - EASTBOUND
- WB - WESTBOUND
- N.I.C. - NOT IN CONTRACT

**ROAD CONSTRUCTION**

EXISTING	DESCRIPTION	PROPOSED
	TEST PIT & ID	TP2010-06
	BORE HOLE & ID	AH2010-11
	CONTROL LINE AND STATIONING	67+500
	ALIGNMENT TIE POINTS & STATIONING	T.S. 55+325.101
	EDGE OF PAVEMENT GRAVEL ROAD	EP
	EDGE OF PAVED SHOULDER	
1012.14	SUBGRADE ELEVATION	
	THROUGH ROCK PAVING	
	CURB AND GUTTER	
	CONCRETE BARRIER	DB DB
	DRAINAGE BARRIER	
	DAY LIGHT LINE	
	CANADIAN PACIFIC RAILWAY	
	EXISTING PAVEMENT	
	MILL AND INLAY NEW PAVEMENT	
	PAVEMENT REMOVAL	
	SURVEY GRID (NAD 83)	
	TREE LINE	
	WATER LINE	
	CULVERT	
	RETAINING WALL	
	DITCH BLOCK	
	DITCH DAM	
	SMALL CSP CULVERT	
	CATCH BASIN AND 300mmØ PIPE	
	WILDLIFE FENCING	
	TREATED WOOD POST	
	CEDAR POST	
	STEEL POST	
	BRUSHING / CLEARING AREA	
	CONTROL POINT	CP 03.01
	GATE	
	BARRIER DRAIN AND 300mm PIPE	BD OR BD
	RIP-RAP SPILLWAY	
	HIGHWAY KILOMETER MARKIER (LKI)	LKI 33
	PAVED TRAIL	
	DRAINAGE DITCH	
	STREAM	
	RIVER / WATER BODY	
	MARSH	

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No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
A	2017.01.31	ISSUED FOR TENDER	AI	MM

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

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 Date: [Date]

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

**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
 WILDLIFE EXCLUSION FENCING  
 PHASE 3 - KM 0.0 TO KM 26.5  
 BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

**LOCATION PLAN,  
 DRAWING INDEX AND LEGEND**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	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
568-01		C02
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

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**LEGEND**

EXISTING	PROPOSED
—x—x—	WILDLIFE FENCING
—x—x—	TREATED WOOD POST
—x—x—	CEDAR POST
—x—x—	STEEL POST
⊗	GATE
□	PEDESTRIAN GATE
- - - -	DITCH
- - - -	CREEK
EW	RIVER / WATER BODY
- - - -	MARSH
- - - -	PAVED MULTI-USE TRAIL
- - - -	CLEAR AND BRUSH (WORK BY OTHERS)

A	2017.01.31	ISSUED FOR TENDER	AI	MM
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**McElhanney**

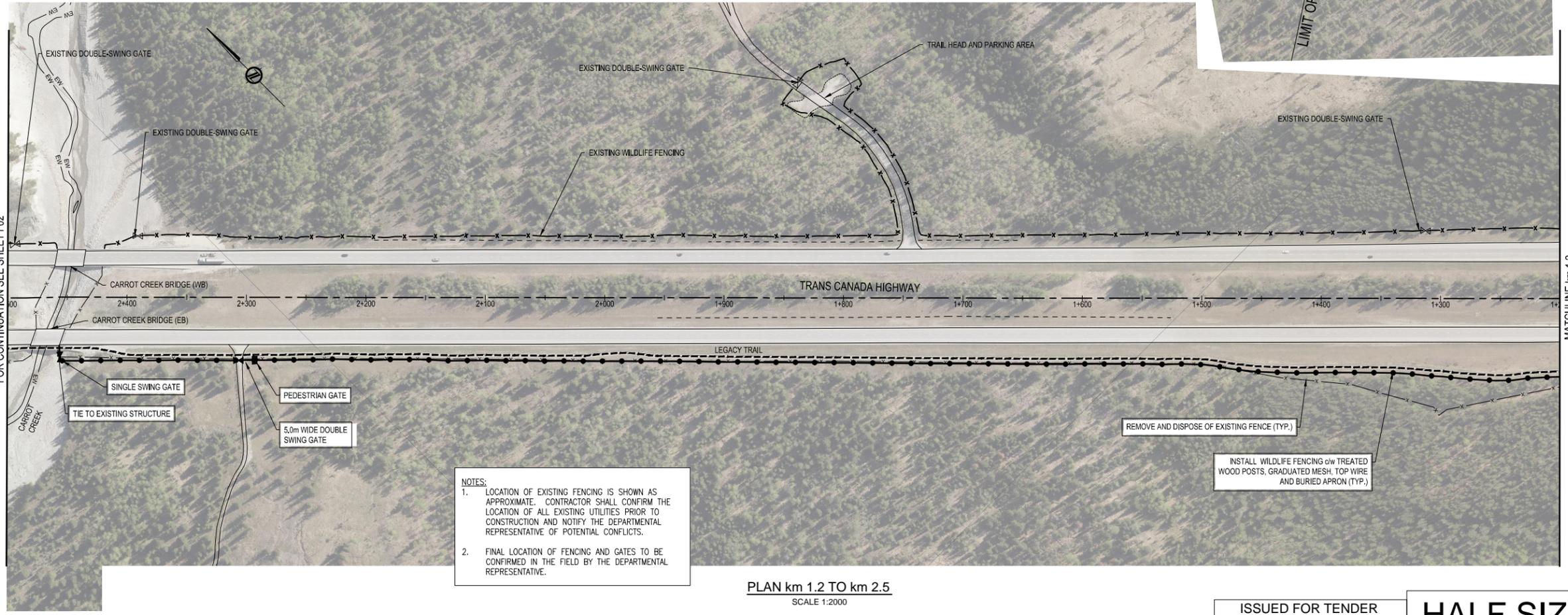
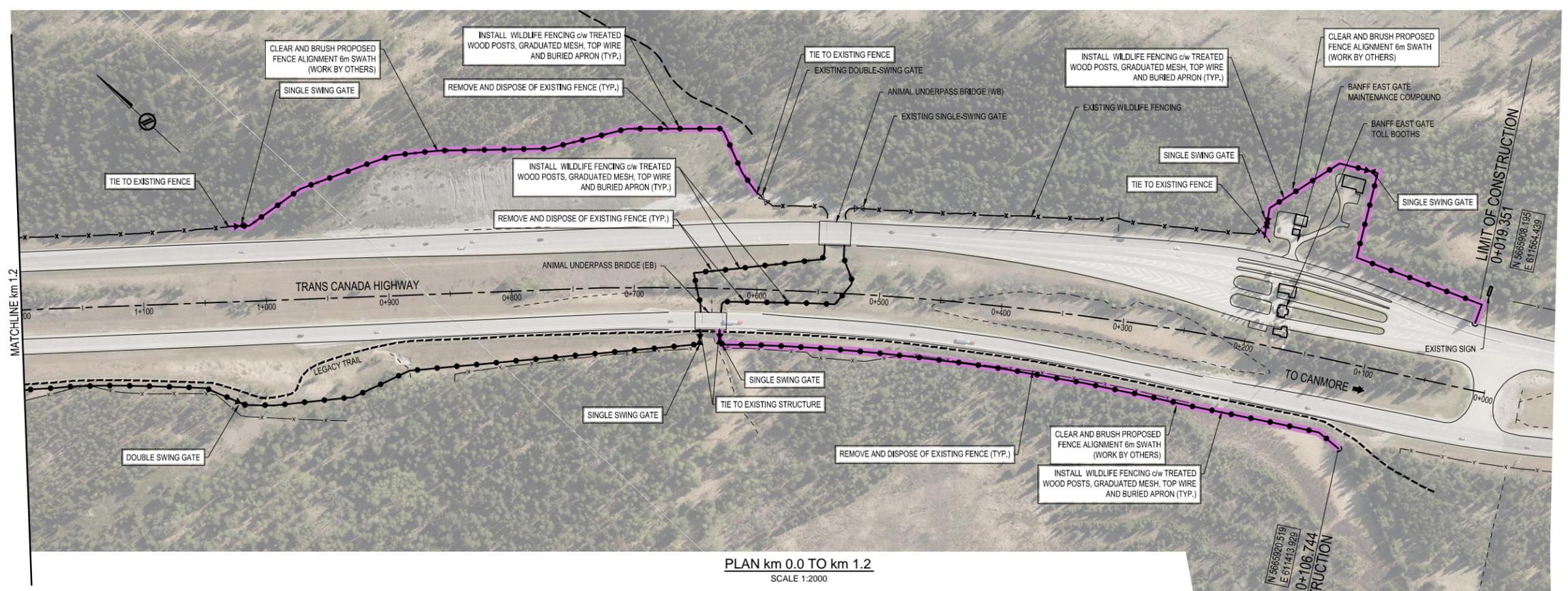
Project title/Titre du projet  
**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin  
**FENCING PLAN  
TRANS CANADA HIGHWAY  
km 0.0 TO km 2.5**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
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568-01	F01
Drawing Reference No./No. de référence du dessin	
2121 00546 - 02	



**NOTES:**

- LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.
- FINAL LOCATION OF FENCING AND GATES TO BE CONFIRMED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.

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EXISTING		PROPOSED	
		<b>WILDLIFE FENCING</b>	
— x — x —	TREATED WOOD POST	—●—●—	
— x — x —	CEDAR POST	—●—●—	
— x — x —	STEEL POST	—●—●—	
⊗	GATE	—●—●—	
□	PEDESTRIAN GATE	—●—●—	
---	DITCH	—●—●—	
---	CREEK	—●—●—	
EW	RIVER / WATER BODY	—●—●—	
---	MARSH	—●—●—	
---	PAVED MULTI-USE TRAIL	—●—●—	
---	CLEAR AND BRUSH (WORK BY OTHERS)	—●—●—	

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
A	2017.01.31	ISSUED FOR TENDER	AI	MM

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Project title/Titre du projet

**TRANS CANADA HIGHWAY WILDLIFE EXCLUSION FENCING PHASE 3 - KM 0.0 TO KM 26.5 BANFF NATIONAL PARK, AB**

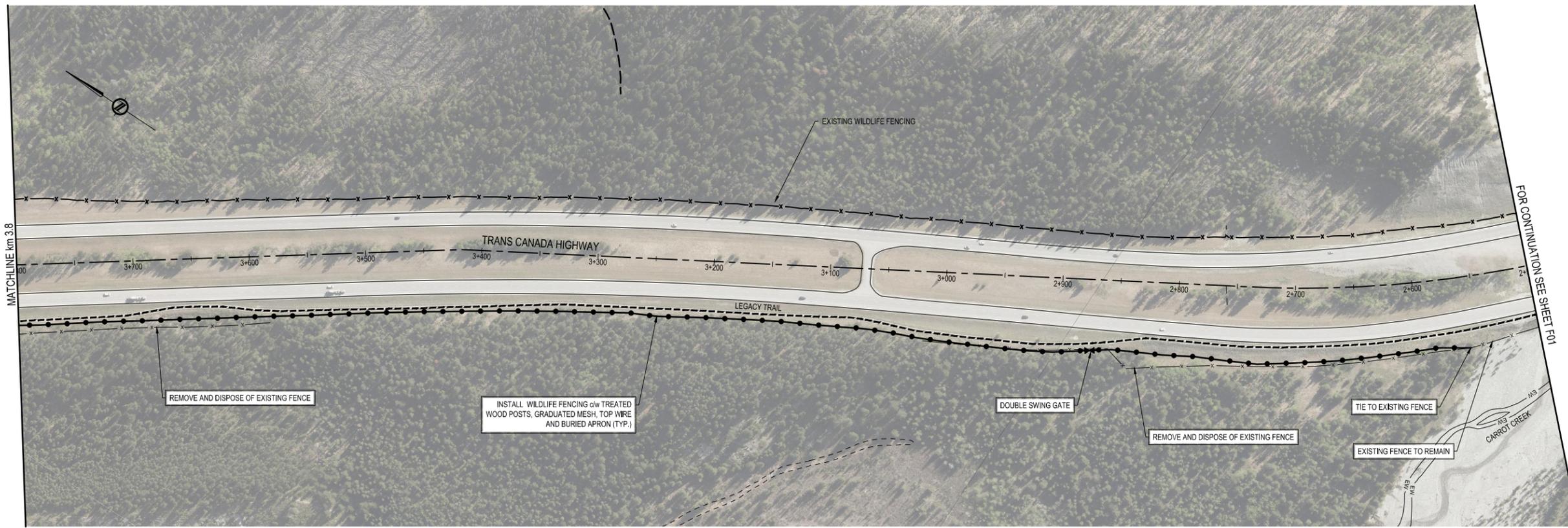
Drawing title/Titre du dessin

**FENCING PLAN TRANS CANADA HIGHWAY km 2.5 TO km 5.0**

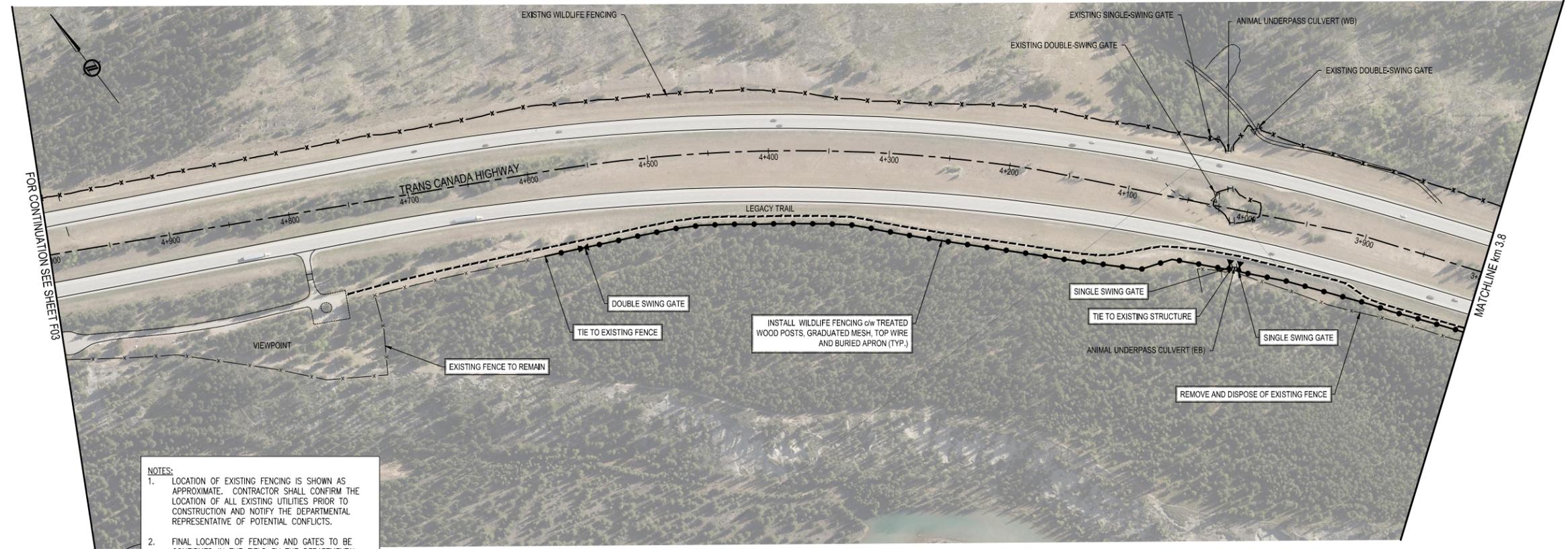
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568-01		F02
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		



PLAN km 2.5 TO km 3.8  
SCALE 1:2000



PLAN km 3.8 TO km 5.0  
SCALE 1:2000

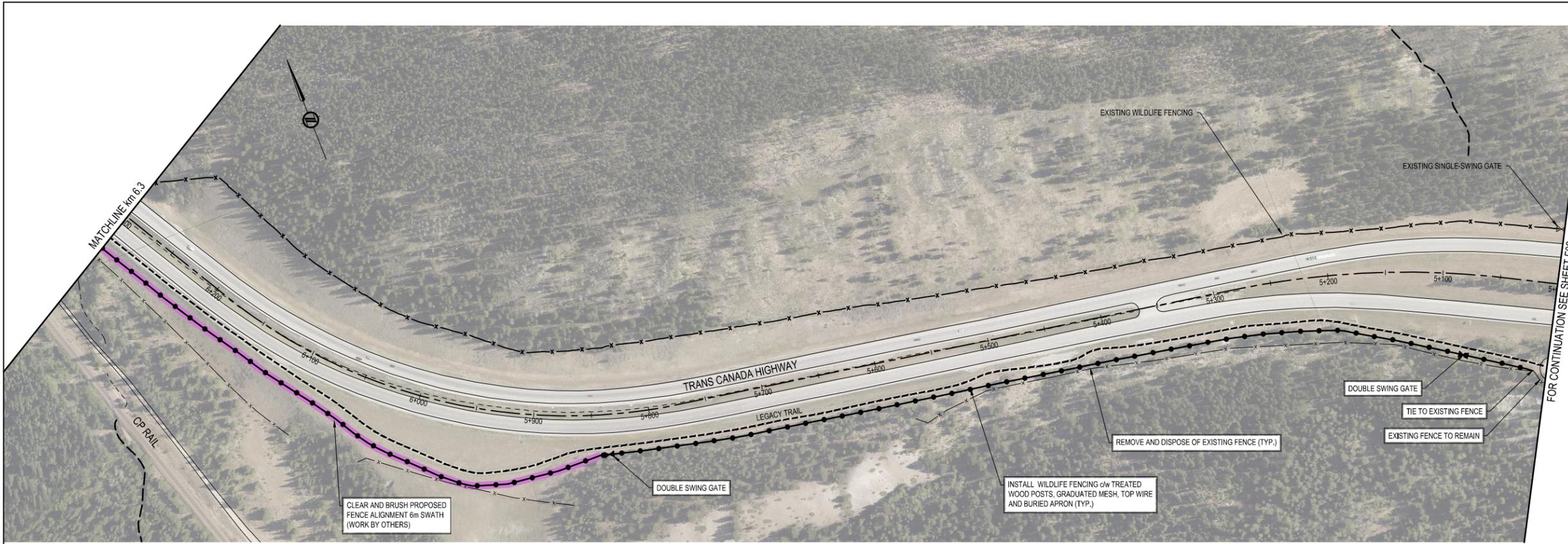
**NOTES:**

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PLAN km 5.0 TO km 6.3  
SCALE 1:2000

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EXISTING		PROPOSED	
<b>WILDLIFE FENCING</b>			
—x—x—	TREATED WOOD POST	—●—●—	—●—●—
—x—x—	CEDAR POST	—●—●—	—●—●—
—x—x—	STEEL POST	—●—●—	—●—●—
⊗	GATE	⊗	⊗
□	PEDESTRIAN GATE	□	□
- - - -	DITCH	- - - -	- - - -
~ ~ ~ ~	CREEK	~ ~ ~ ~	~ ~ ~ ~
EW	RIVER / WATER BODY	EW	EW
~ ~ ~ ~	MARSH	~ ~ ~ ~	~ ~ ~ ~
- - - -	PAVED MULTI-USE TRAIL	- - - -	- - - -
- - - -	CLEAR AND BRUSH (WORK BY OTHERS)	- - - -	- - - -

A	2017.01.31	ISSUED FOR TENDER	AI	MM
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**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

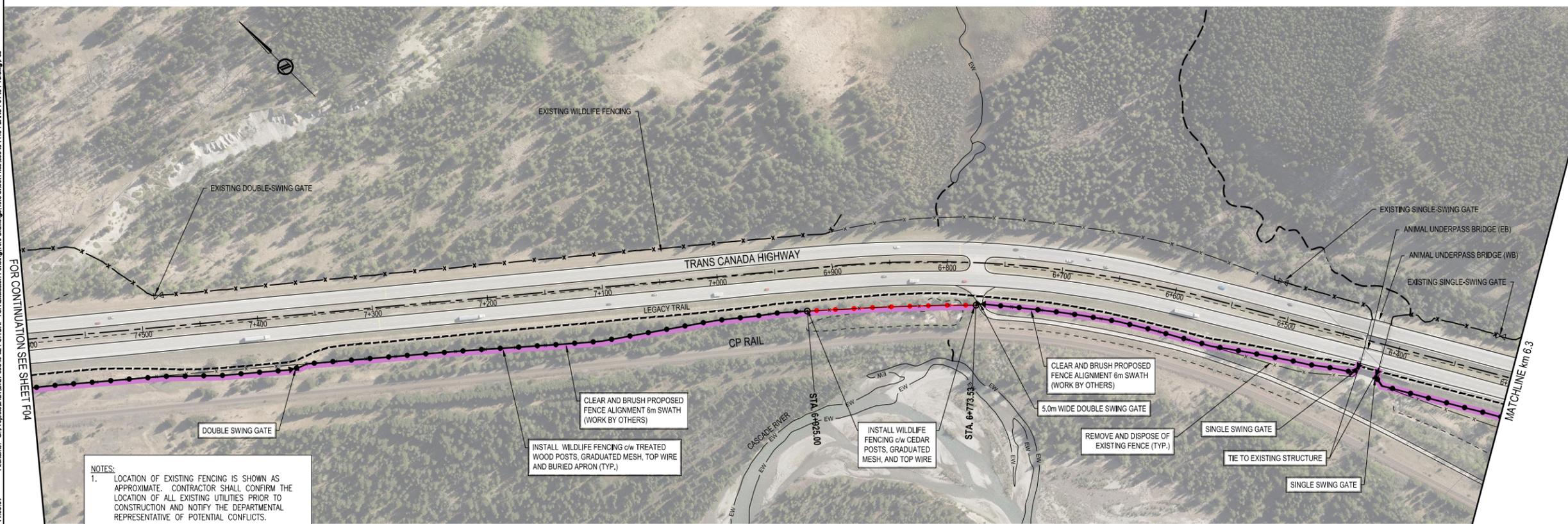
**FENCING PLAN  
TRANS CANADA HIGHWAY  
km 5.0 TO km 7.6**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
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568-01		F03
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		



PLAN km 6.3 TO km 7.6  
SCALE 1:2000

NOTES:

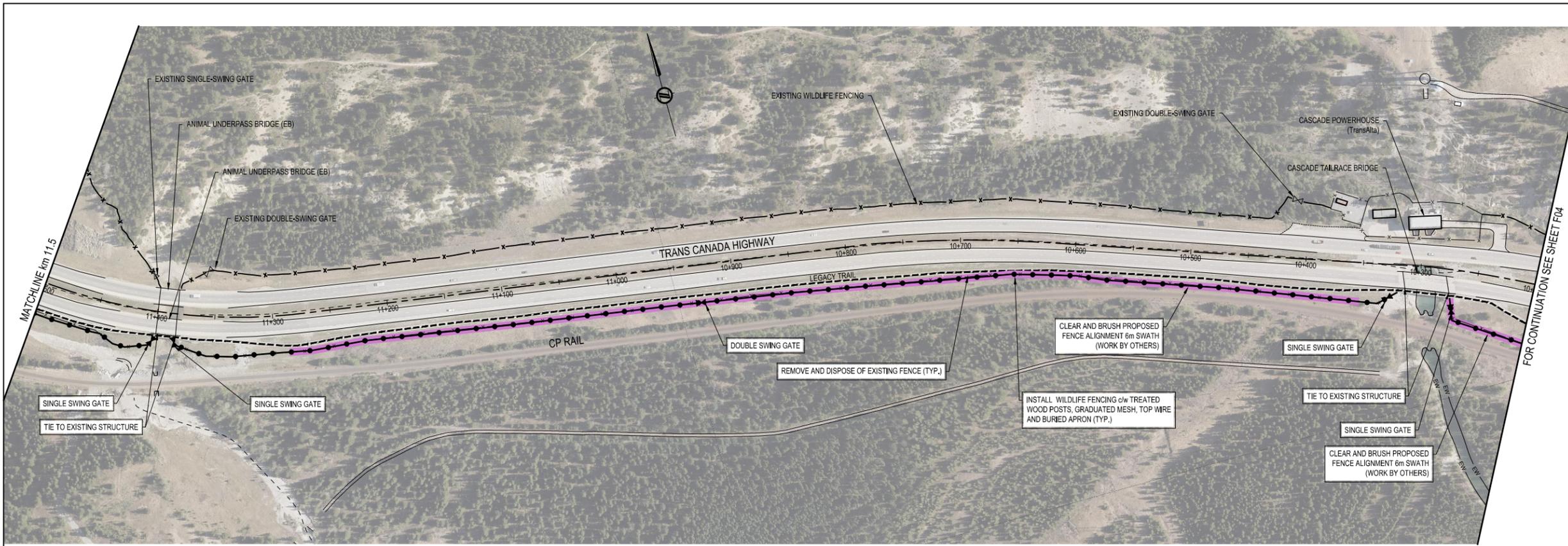
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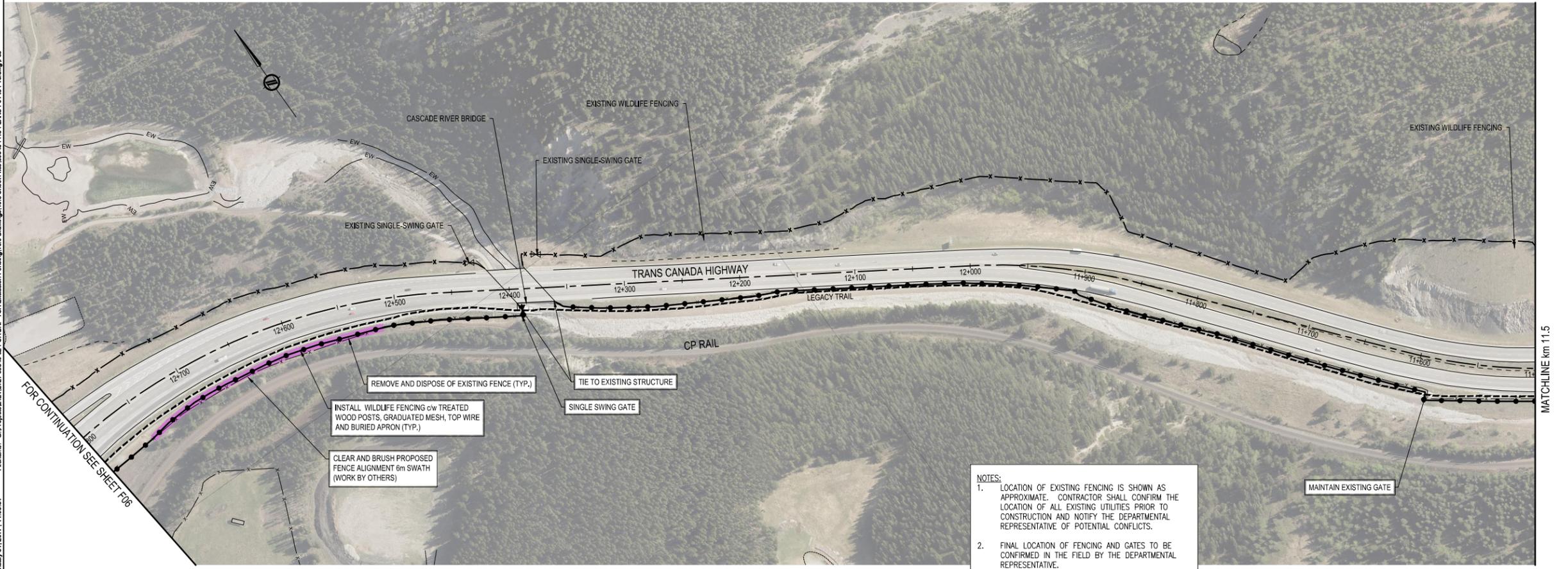
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 Plotted: January 31, 2017, 11:06:04  
 A1 841 x 564 mm





PLAN km 10.2 TO km 11.5  
SCALE 1:2000



PLAN km 11.5 TO km 12.8  
SCALE 1:2000

**NOTES:**  
 1. LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.  
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EXISTING		PROPOSED	
		<b>WILDLIFE FENCING</b>	
— x — x —	TREATED WOOD POST	—●—●—	
—●—●—	CEDAR POST	—●—●—	
—●—●—	STEEL POST	—●—●—	
⊗	GATE	⊗	
□	PEDESTRIAN GATE	■	
- - - -	DITCH		
—	CREEK		
EW	RIVER / WATER BODY		
- - - -	MARSH		
- - - -	PAVED MULTI-USE TRAIL		
- - - -	CLEAR AND BRUSH (WORK BY OTHERS)		

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Eng. Stamp  
 Sceau de l'ingénieur  
 [Professional Engineer Seal]

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Consultant's Name  
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**TRANS CANADA HIGHWAY WILDLIFE EXCLUSION FENCING PHASE 3 - KM 0.0 TO KM 26.5 BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin  
**FENCING PLAN TRANS CANADA HIGHWAY km 10.2 TO km 12.8**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
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AK	MM	AS SHOWN

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568-01		F05
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

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 A1 841 x 564 mm

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LEGEND		EXISTING	PROPOSED
WILDLIFE FENCING	TREATED WOOD POST	-x-x-	●-●-●
	CEDAR POST	-x-x-	●-●-●
GATE	STEEL POST	-x-x-	●-●-●
	GATE	-x-x-	●-●-●
PEDESTRIAN GATE	PEDESTRIAN GATE	-x-x-	■
	PEDESTRIAN GATE	-x-x-	■
DITCH	DITCH	-x-x-	-x-x-
	DITCH	-x-x-	-x-x-
CREEK	CREEK	-x-x-	-x-x-
	CREEK	-x-x-	-x-x-
RIVER / WATER BODY	RIVER / WATER BODY	-x-x-	-x-x-
	RIVER / WATER BODY	-x-x-	-x-x-
MARSH	MARSH	-x-x-	-x-x-
	MARSH	-x-x-	-x-x-
PAVED MULTI-USE TRAIL	PAVED MULTI-USE TRAIL	-x-x-	-x-x-
	CLEAR AND BRUSH (WORK BY OTHERS)	-x-x-	-x-x-

A	2017.01.31	ISSUED FOR TENDER	AI	MM
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No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé

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  
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 McElhanney Consulting Services Ltd.  
 Signature: [Signature]  
 Date: JANUARY 31, 2017  
 PERMIT NUMBER: P 6383  
 The Association of Professional Engineers,  
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Consultant's Name /  
 Nom de l'expert-conseil  
**McElhanney**

Project title/Titre du projet  
**TRANS CANADA HIGHWAY  
 WILDLIFE EXCLUSION FENCING  
 PHASE 3 - KM 0.0 TO KM 26.5  
 BANFF NATIONAL PARK, AB**

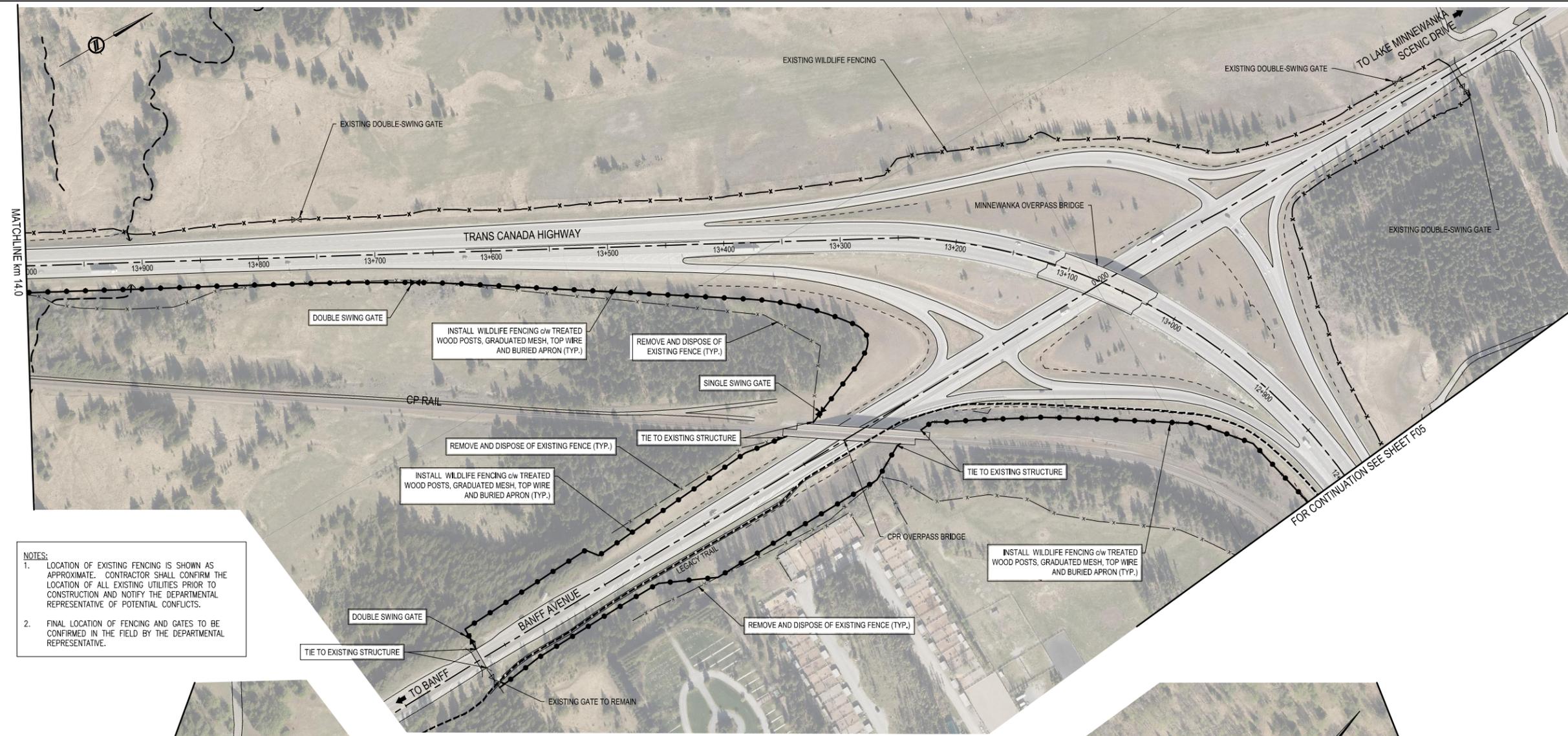
Drawing title/Titre du dessin  
**FENCING PLAN  
 TRANS CANADA HIGHWAY  
 km 12.8 TO km 15.2**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

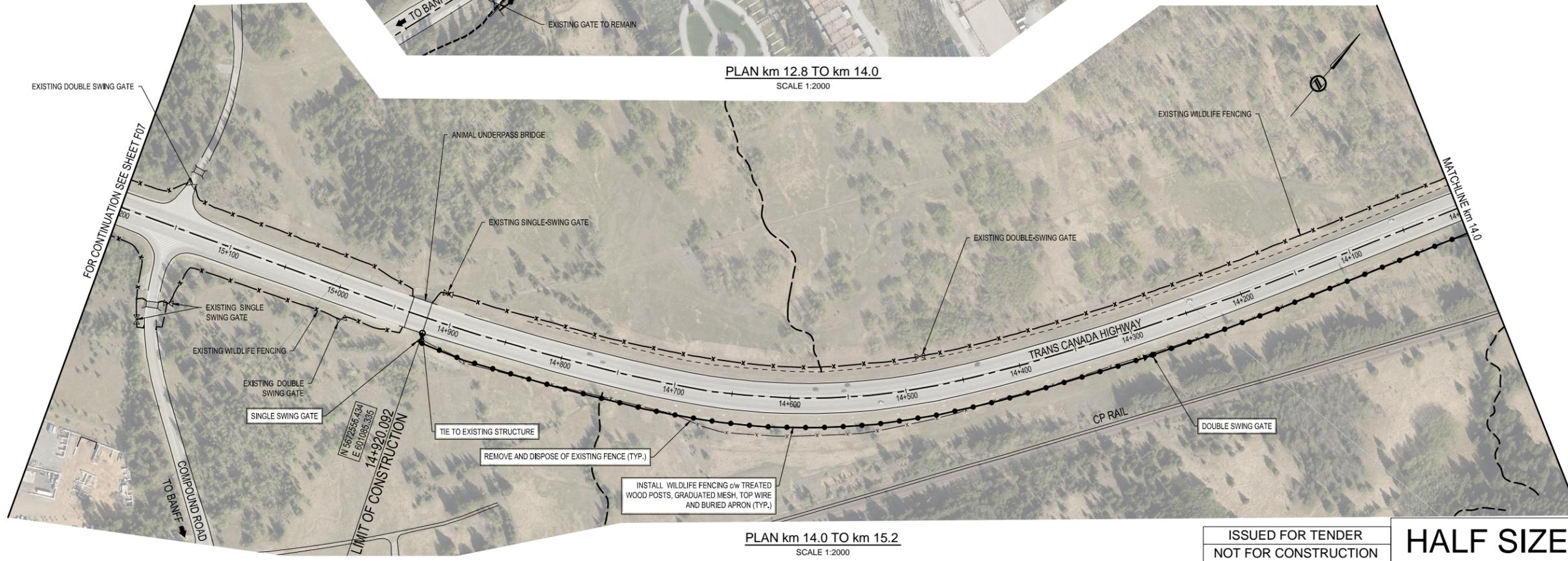
Parks Canada Project Manager/Administrateur de Projets Parcs Canada

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
568-01		F06
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		



PLAN km 12.8 TO km 14.0  
 SCALE 1:2000



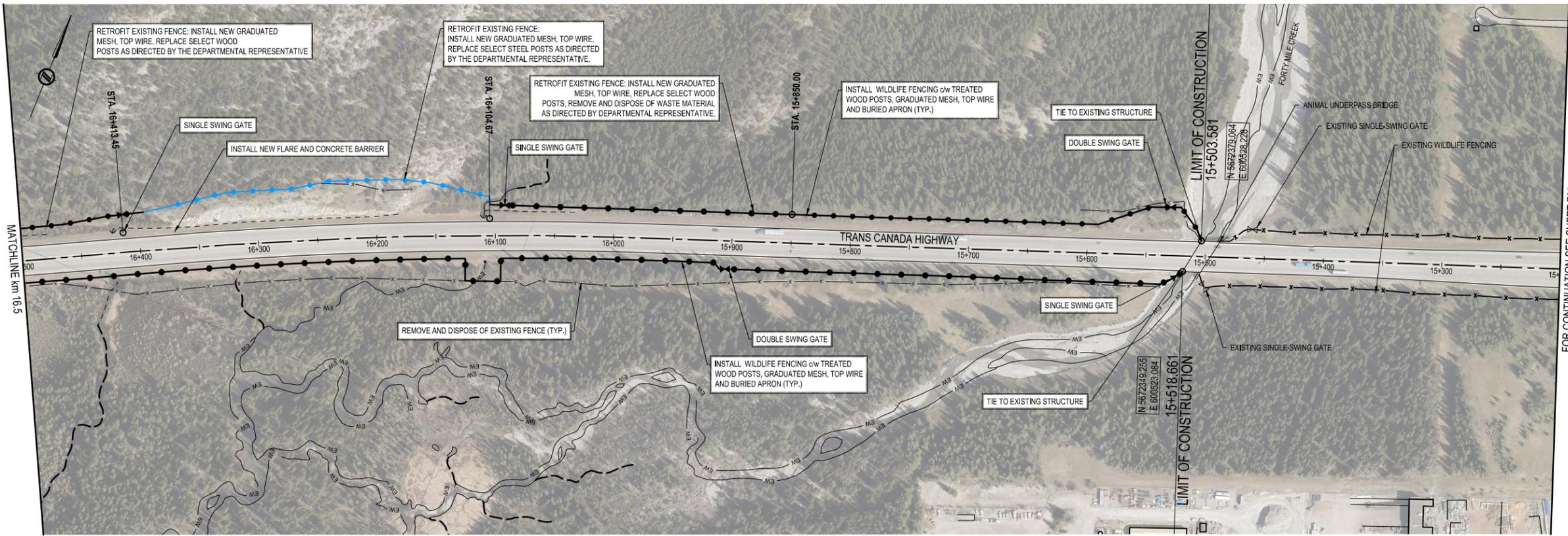
PLAN km 14.0 TO km 15.2  
 SCALE 1:2000

NOTES:  
 1. LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.  
 2. FINAL LOCATION OF FENCING AND GATES TO BE CONFIRMED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.

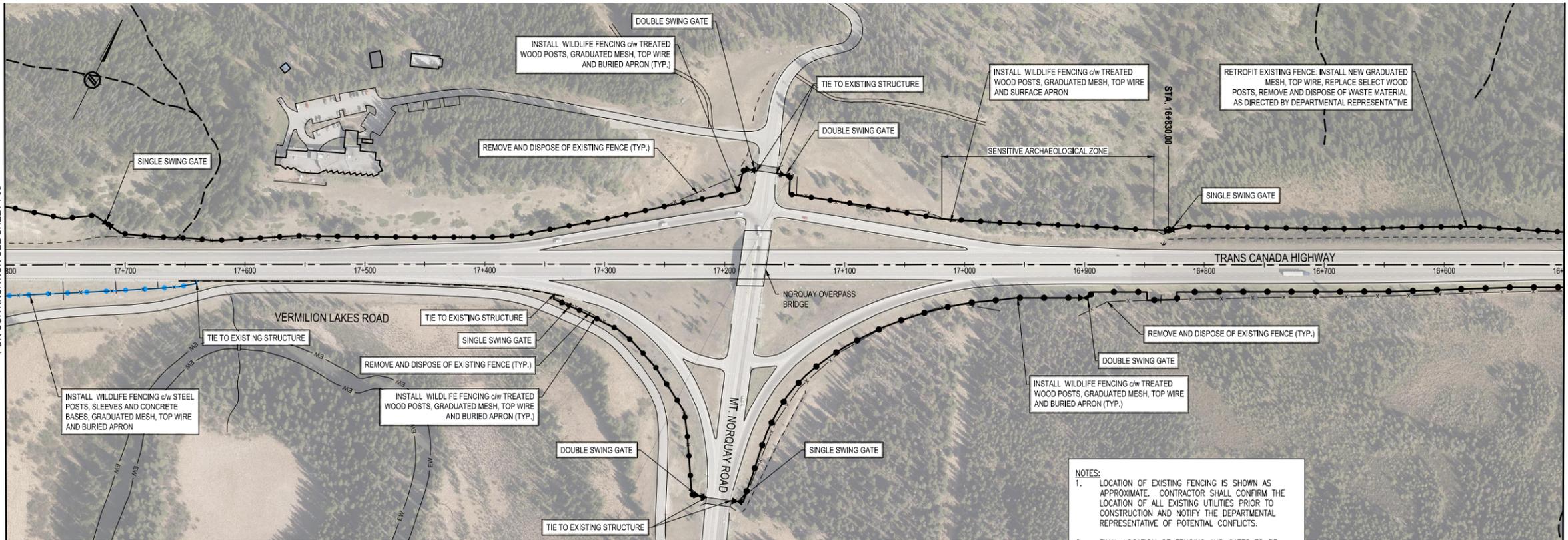
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 Plotted: January 31, 2017, 11:02:21  
 A1 841 x 564 mm



PLAN km 15.2 TO km 16.5  
SCALE 1:2000



PLAN km 16.5 TO km 17.8  
SCALE 1:2000

**NOTES:**  
1. LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.  
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LEGEND		EXISTING	PROPOSED
<b>WILDLIFE FENCING</b>			
	TREATED WOOD POST	—x—x—	—●—●—
	CEDAR POST	—x—x—	—●—●—
	STEEL POST	—x—x—	—●—●—
	GATE	⊗	⊗
	PEDESTRIAN GATE	□	■
	DITCH	- - - - -	- - - - -
	CREEK	~ ~ ~ ~ ~	~ ~ ~ ~ ~
	RIVER / WATER BODY	EW	EW
	MARSH	- - - - -	- - - - -
	PAVED MULTI-USE TRAIL	- - - - -	- - - - -
	CLEAR AND BRUSH (WORK BY OTHERS)	- - - - -	- - - - -

A	2017.01.31	ISSUED FOR TENDER	AI	MM
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No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé

Revision / Revision

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

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Date: JANUARY 31, 2017  
PERMIT NUMBER: P 6383  
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**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

**FENCING PLAN  
TRANS CANADA HIGHWAY  
km 15.2 TO km 17.8**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

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

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Project No./No. du projet	Asset No./No. de la feuille	Sheet No./No. de la feuille
568-01		F07
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

ISSUED FOR TENDER  
NOT FOR CONSTRUCTION

**HALF SIZE**

Filename: G:\Projects\2121\2121\_00546\_02\_PCA\BMP\_TCH\_Evaluation\_Fencing\1.0\_Drawing\1.0\_Sheet\150046-BMP-PLANS-F01 to F10.dwg (07  
 Plotted: January 31, 2017, 11:09:48  
 A1 841 x 564 mm

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LEGEND		EXISTING	PROPOSED
WILDLIFE FENCING			
	TREATED WOOD POST	—x—x—	—●—●—
	CEDAR POST	—x—x—	—●—●—
	STEEL POST	—x—x—	—●—●—
	GATE	—x—x—	—●—●—
	PEDESTRIAN GATE	—x—x—	—●—●—
	DITCH	—x—x—	—●—●—
	CREEK	—x—x—	—●—●—
	RIVER / WATER BODY	—x—x—	—●—●—
	MARSH	—x—x—	—●—●—
	PAVED MULTI-USE TRAIL	—x—x—	—●—●—
	CLEAR AND BRUSH (WORK BY OTHERS)	—x—x—	—●—●—

No.	Date/Date	Description/Description	Drawn by / Dessiné par	Approved / Approuvé
A	2017.01.31	ISSUED FOR TENDER	AI	MM

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

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Date: JANUARY 31, 2017  
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Agence

L'Agence Parcs  
Canada

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

**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

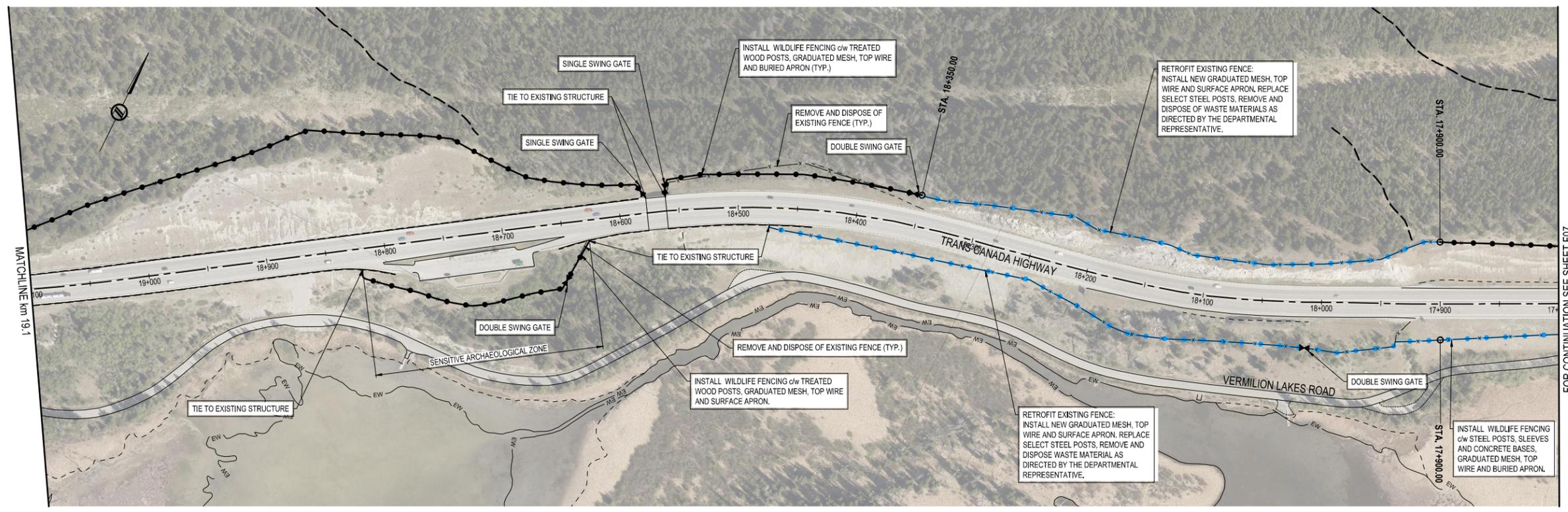
**FENCING PLAN  
TRANS CANADA HIGHWAY  
km 17.8 TO km 20.4**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Révisé par	Scale/Echelle
AK	MM	AS SHOWN

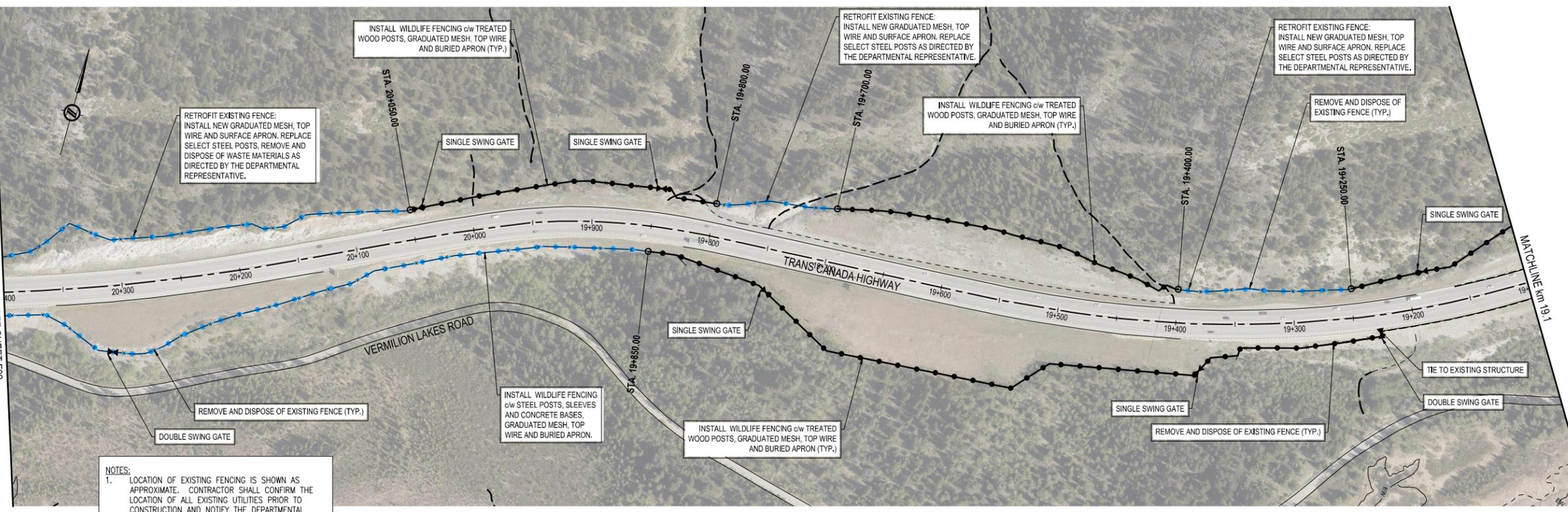
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Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
568-01		F08
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		



PLAN km 17.8 TO km 19.1  
SCALE 1:2000



PLAN km 19.1 TO km 20.4  
SCALE 1:2000

NOTES:

- LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.
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Filename: G:\Projects\2017\111008\_02\_PCL\BMP\_TCH\_Evaluation\_Fencing\10.0 Drawings\10.3 Sheet\Fence\10048-Fence-F01 to F10.dwg/F08  
 Plotted: January 31, 2017, 11:10:08  
 A1 841 x 564 mm



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LEGEND		EXISTING	PROPOSED
WILDLIFE FENCING			
— x — x —	TREATED WOOD POST	—●—●—	—●—●—
—●—●—	CEDAR POST	—●—●—	—●—●—
—●—●—	STEEL POST	—●—●—	—●—●—
— x — x —	GATE	— x — x —	— x — x —
— x — x —	PEDESTRIAN GATE	— x — x —	— x — x —
— x — x —	DITCH	— x — x —	— x — x —
— x — x —	CREEK	— x — x —	— x — x —
EW	RIVER / WATER BODY	EW	EW
EW	MARSH	EW	EW
— x — x —	PAVED MULTI-USE TRAIL	— x — x —	— x — x —
— x — x —	CLEAR AND BRUSH (WORK BY OTHERS)	— x — x —	— x — x —

A	2017.01.31	ISSUED FOR TENDER	AI	MM
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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
A	detail number / numéro de détail
B	source drawing no. / de dessin no.
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 Signature: *[Signature]*  
 Date: **JANUARY 31, 2017**  
 PERMIT NUMBER: P 6383  
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**McElhanney**  
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**Parks Canada / L'Agence Parcs Canada**

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

Project title/Titre du projet  
**TRANS CANADA HIGHWAY  
 WILDLIFE EXCLUSION FENCING  
 PHASE 3 - KM 0.0 TO KM 26.5  
 BANFF NATIONAL PARK, AB**

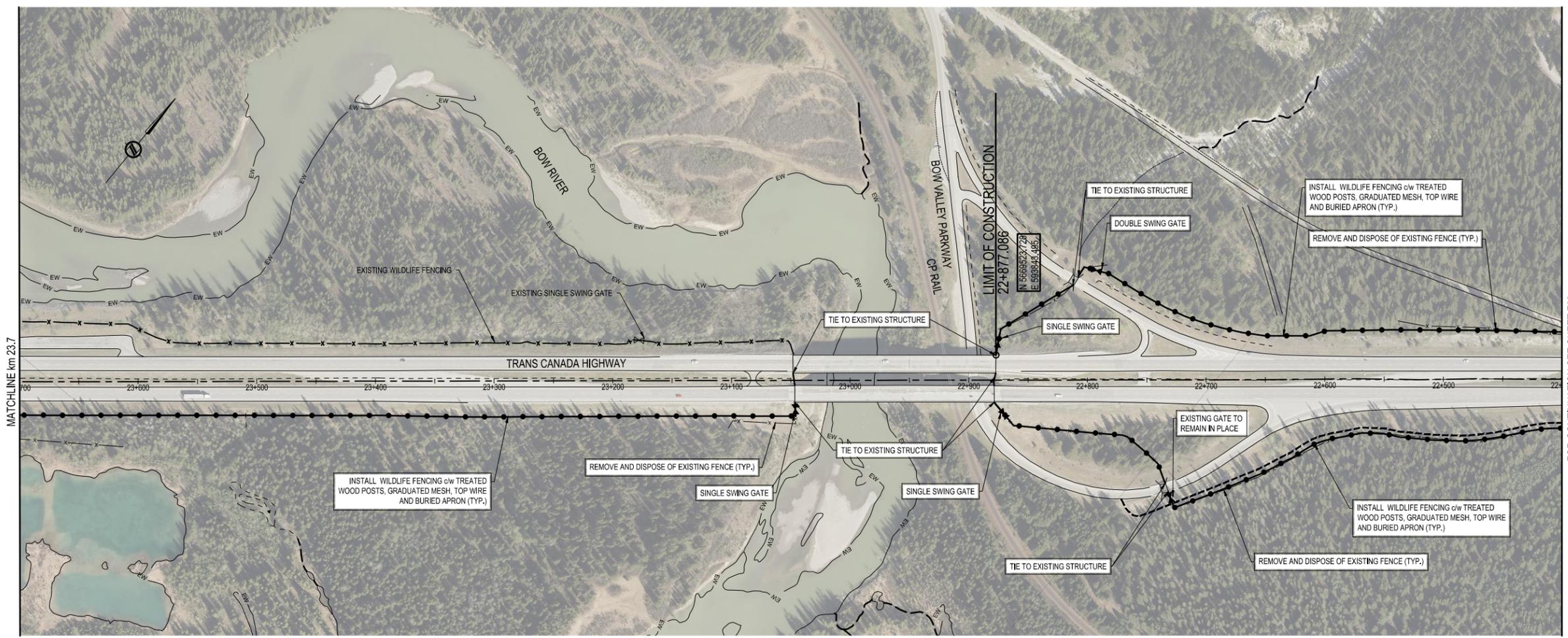
Drawing title/Titre du dessin  
**FENCING PLAN  
 TRANS CANADA HIGHWAY  
 km 22.4 TO km 24.7**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

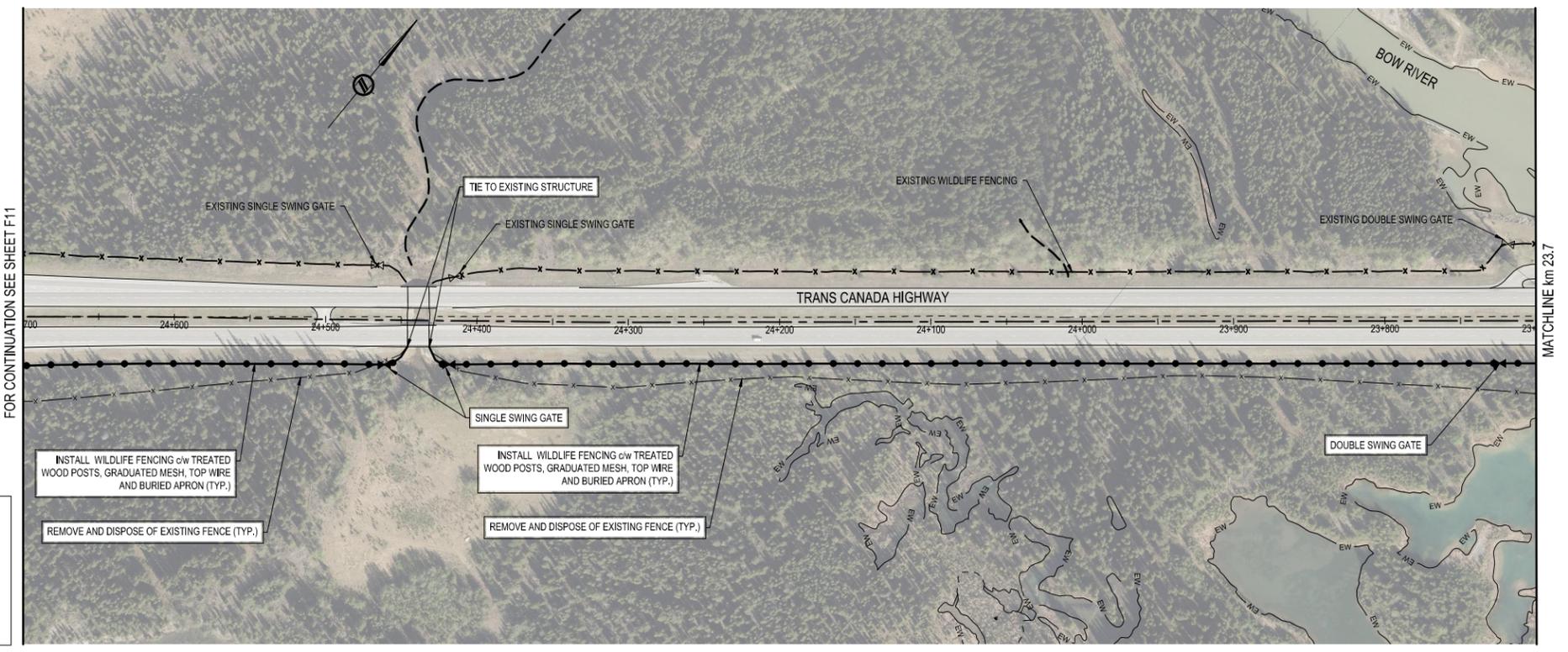
Parks Canada Project Manager/Administrateur de Projets Parcs Canada

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
568-01		F10
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		



PLAN km 22.4 TO km 23.7  
 SCALE 1:2000



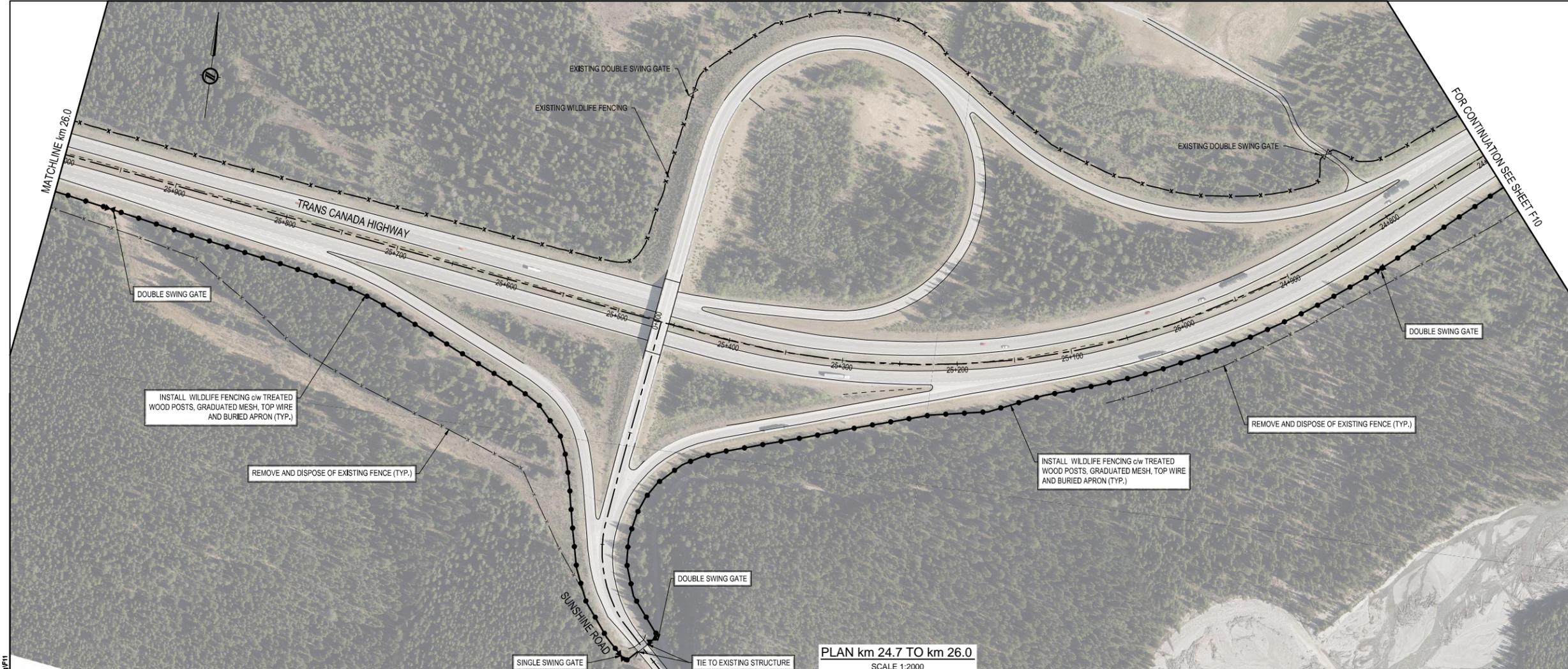
PLAN km 23.7 TO km 24.7  
 SCALE 1:2000

- NOTES:
- LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.
  - FINAL LOCATION OF FENCING AND GATES TO BE CONFIRMED IN THE FIELD BY THE DEPARTMENTAL REPRESENTATIVE.

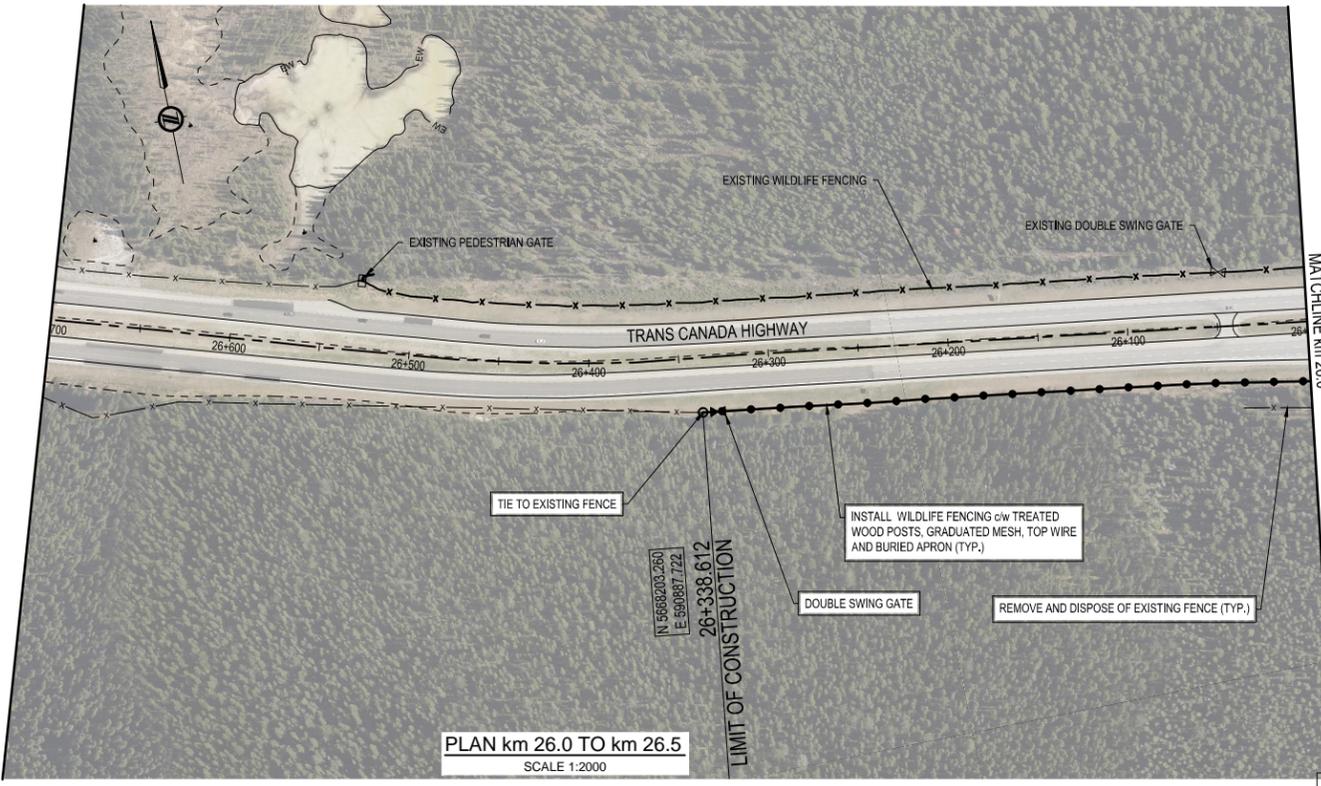
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 NOT FOR CONSTRUCTION

**HALF SIZE**

Plotted: January 31, 2017, 11:10:09  
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 A1 841 x 564 mm



PLAN km 24.7 TO km 26.0  
SCALE 1:2000



PLAN km 26.0 TO km 26.5  
SCALE 1:2000

**NOTES:**  
 1. LOCATION OF EXISTING FENCING IS SHOWN AS APPROXIMATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF POTENTIAL CONFLICTS.  
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LEGEND		PROPOSED
EXISTING	WILDLIFE FENCING	
— x — x —	TREATED WOOD POST	—●—●—
	CEDAR POST	—●—●—
	STEEL POST	—●—●—
⊗	GATE	—●—●—
□	PEDESTRIAN GATE	—●—●—
- - - - -	DITCH	—■—■—
— — — — —	CREEK	
EW	RIVER / WATER BODY	
- - - - -	MARSH	
- - - - -	PAVED MULTI-USE TRAIL	
	CLEAR AND BRUSH (WORK BY OTHERS)	

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No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé

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 Date: *January 31, 2017*  
 PERMIT NUMBER: P 6383  
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 Sceau de l'ingénieur  
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 Parks Canada Agency / L'Agence Parcs Canada

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

Project title/Titre du projet  
**TRANS CANADA HIGHWAY  
 WILDLIFE EXCLUSION FENCING  
 PHASE 3 - KM 0.0 TO KM 26.5  
 BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin  
**FENCING PLAN  
 TRANS CANADA HIGHWAY  
 km 24.7 TO km 26.5**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada  
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 Approved by/Approuvé par

Project No./No. du projet	Asset No./No. de bien	Sheet No./No. de la feuille
568-01		F11
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

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 NOT FOR CONSTRUCTION

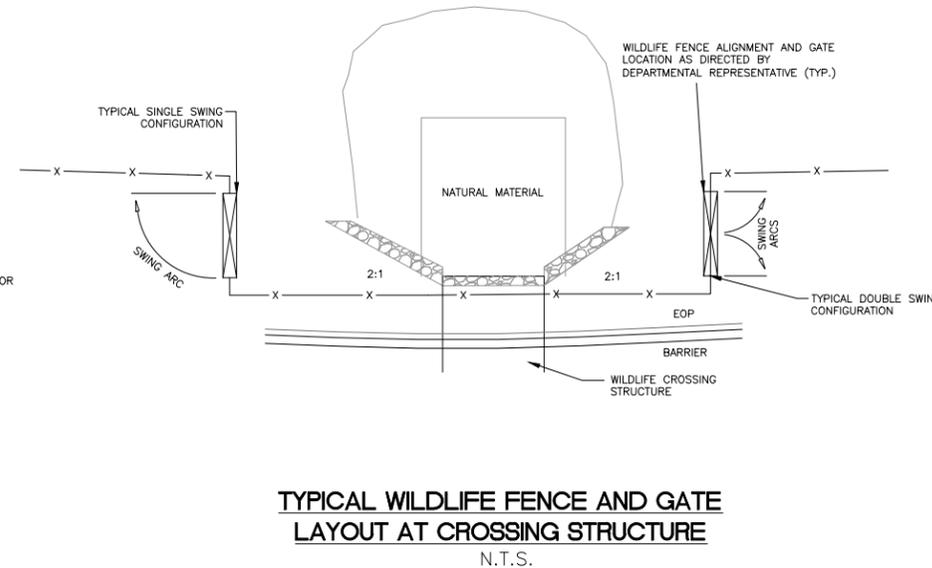
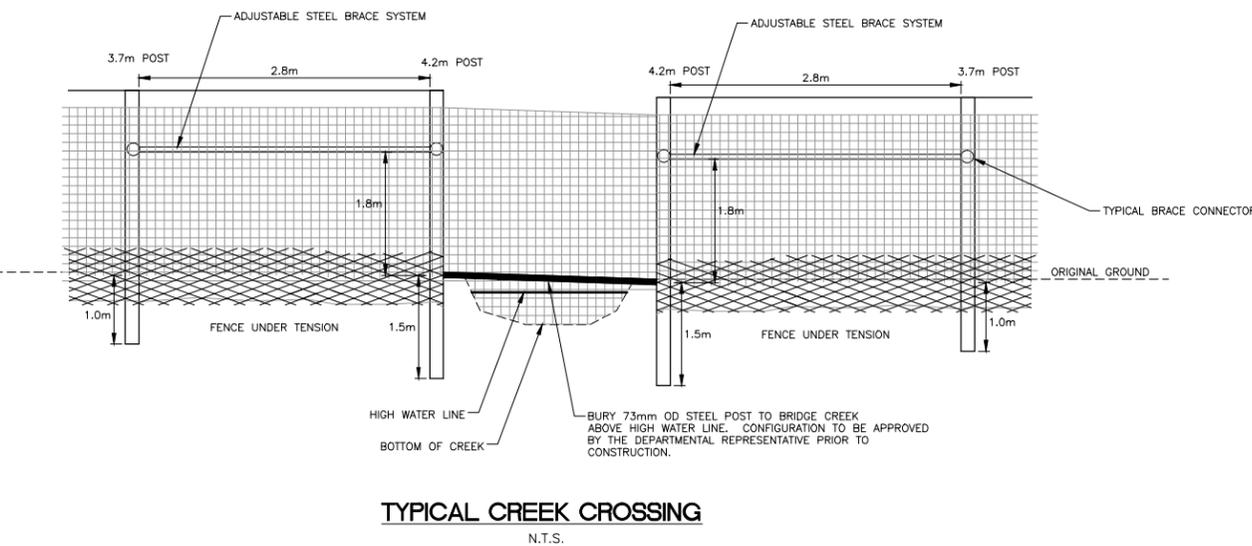
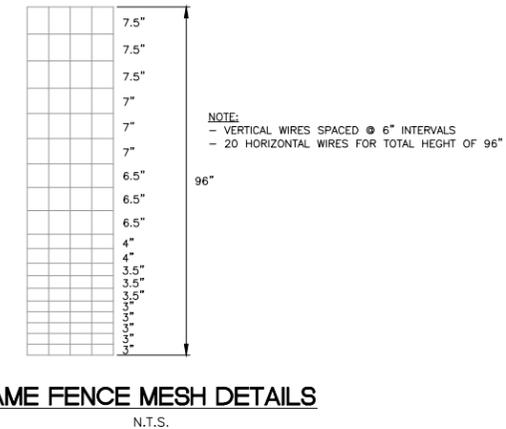
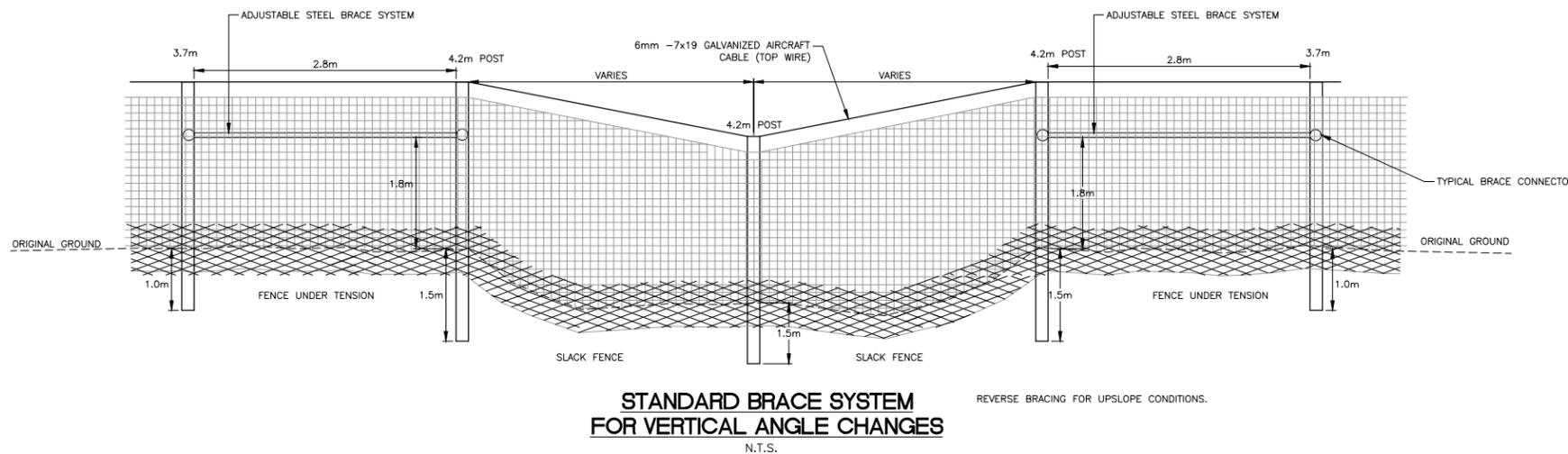
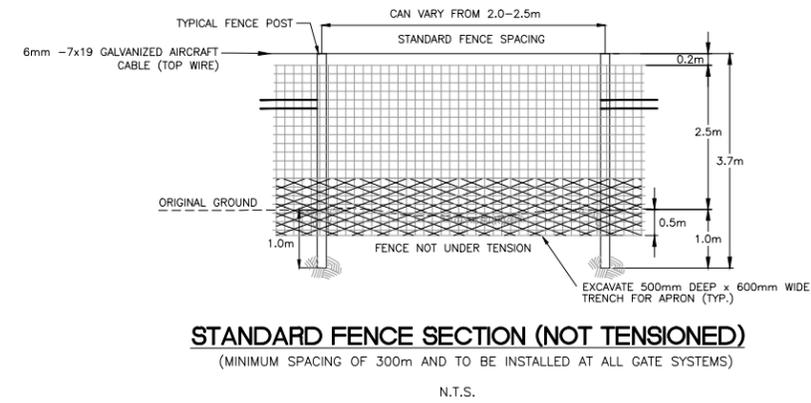
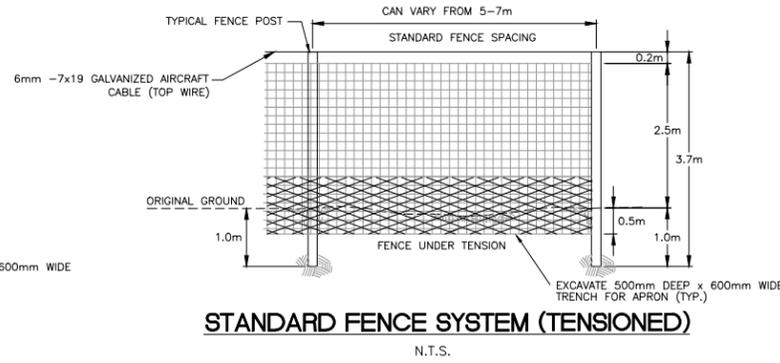
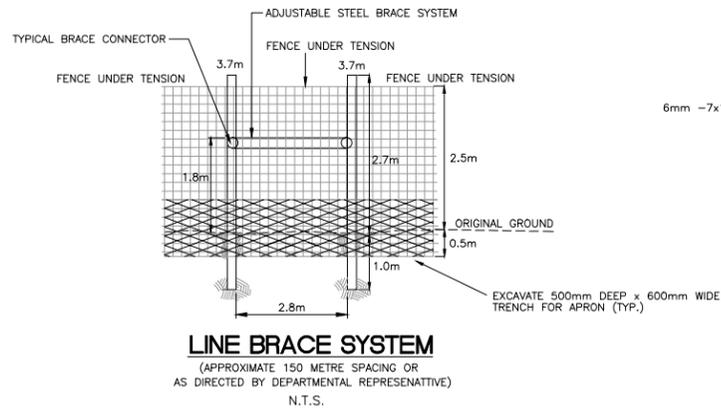
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A	2017.01.31	ISSUED FOR TENDER	AI	MM
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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision	
A	detail 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

McElhanney Consulting Services Ltd.  
Signature: *[Signature]*  
Date: *[Date]*  
PERMIT NUMBER: P 6383  
The Association of Professional Engineers, Geologists and Geophysicists of Alberta.

Eng. Stamp  
Sceau de l'ingénieur

*[Professional Engineer Stamp]*

Client/client

Parks Canada Agency / L'Agence Parcs Canada

Consultant's Name  
Nom de l'expert-conseil

**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

**WILDLIFE FENCE  
DETAILS**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Parcs Canada

Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
568-01		D01
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

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NOT FOR CONSTRUCTION

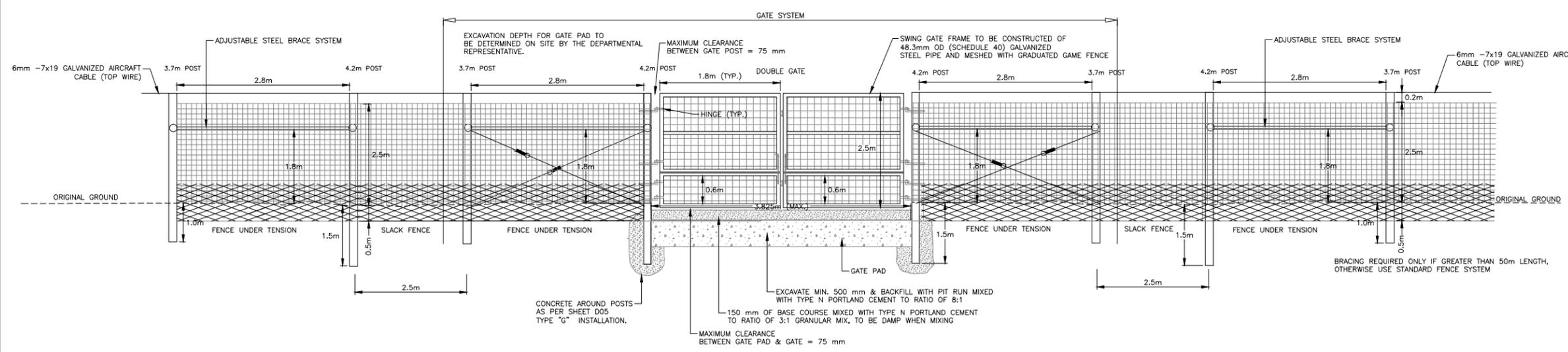
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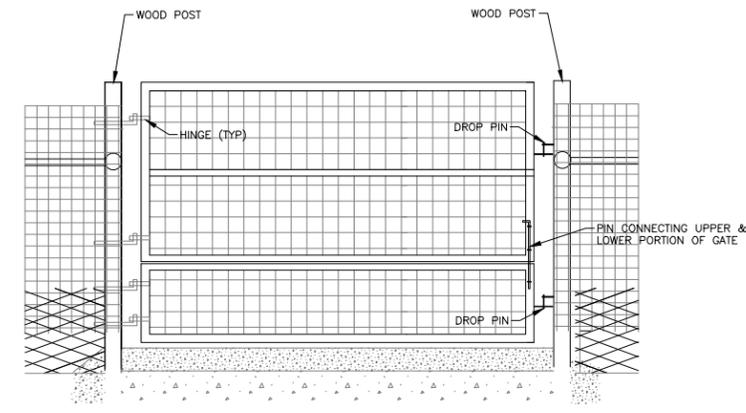
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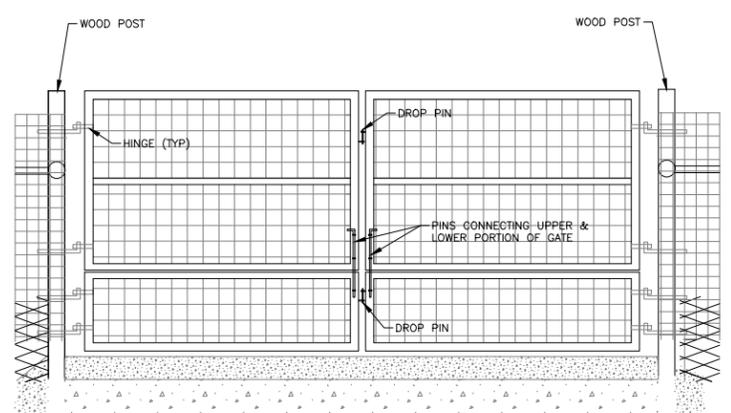
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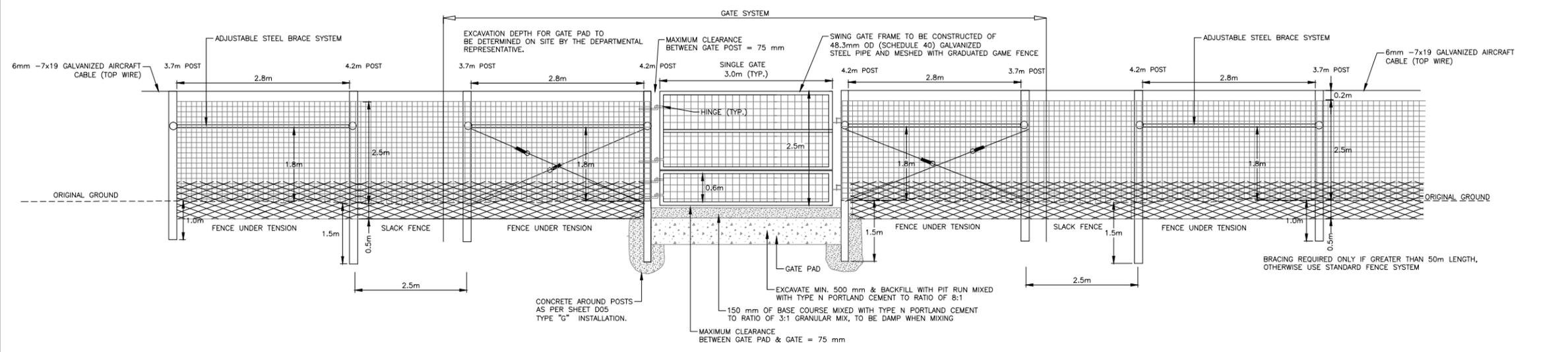
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N.T.S.



**SINGLE-SWING GATE PIN DETAIL**  
N.T.S.



**DOUBLE-SWING GATE PIN DETAIL**  
N.T.S.



**SINGLE-SWING GATE AND GATE PAD SYSTEM**  
N.T.S.

A	2017.01.31	ISSUED FOR TENDER	AI MM

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé

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

McElhanney Consulting Services Ltd.  
Signature: *[Signature]*  
Date: *2017-01-31*  
PERMIT NUMBER: P 6383  
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

Eng. Stamp  
Sceau de l'ingénieur

*[Professional Engineer Stamp]*

Client/client

Parks Canada Agency  
L'Agence Parcs Canada

Consultant's Name  
Nom de l'expert-conseil

**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

**SWING GATE DETAILS**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	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
568-01		D02
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

ISSUED FOR TENDER  
NOT FOR CONSTRUCTION

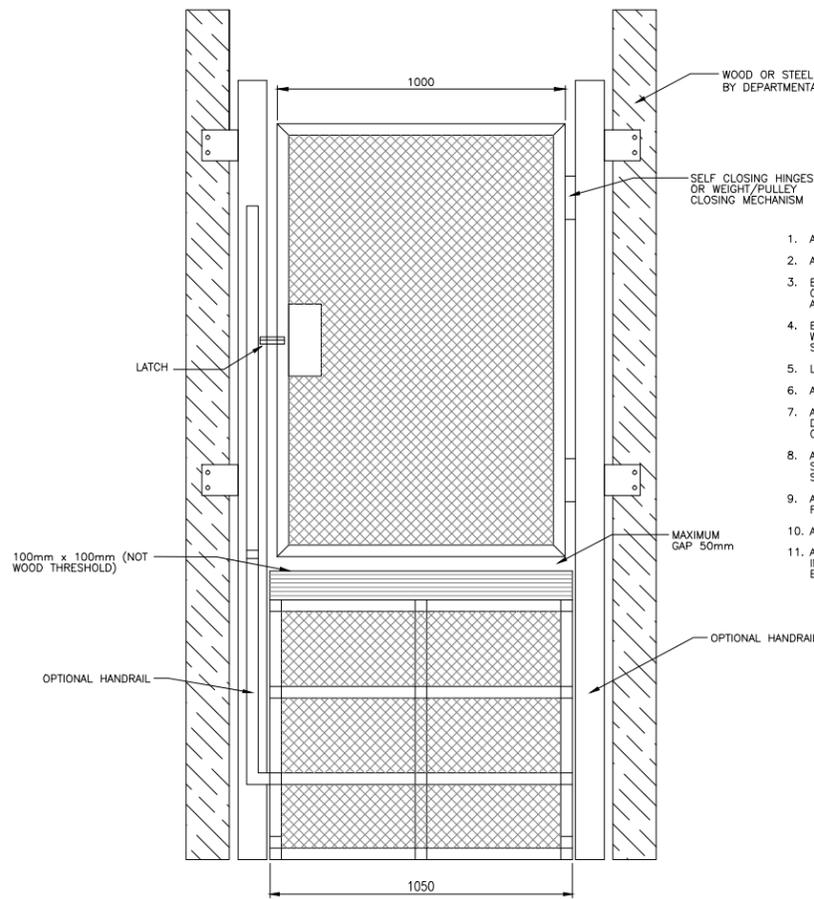
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 A1 841 x 584 mm

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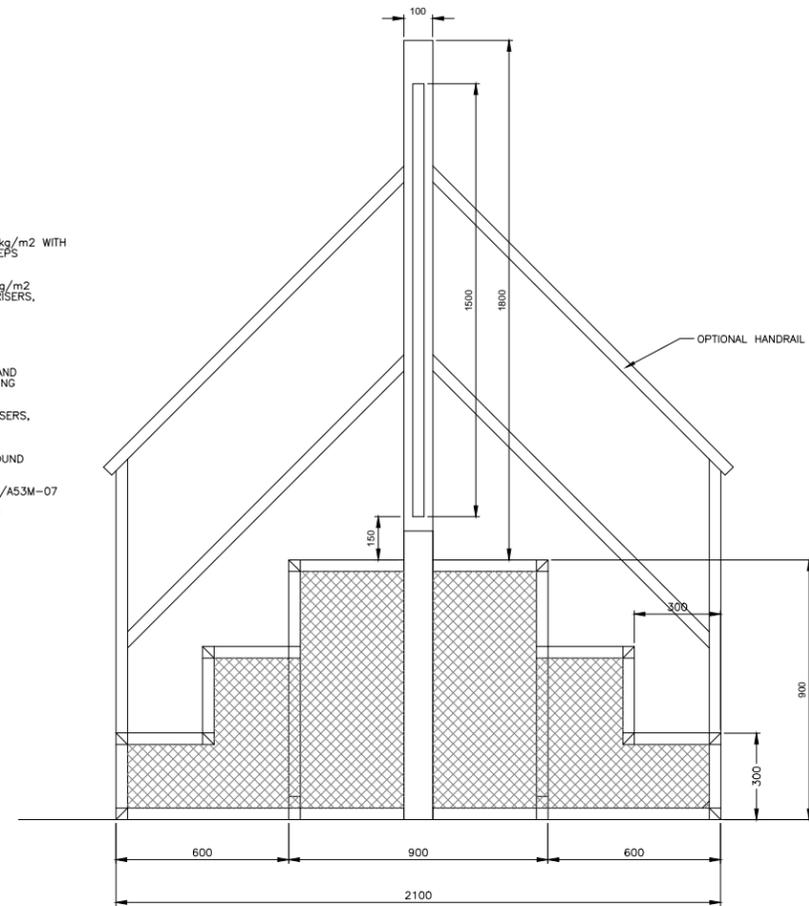
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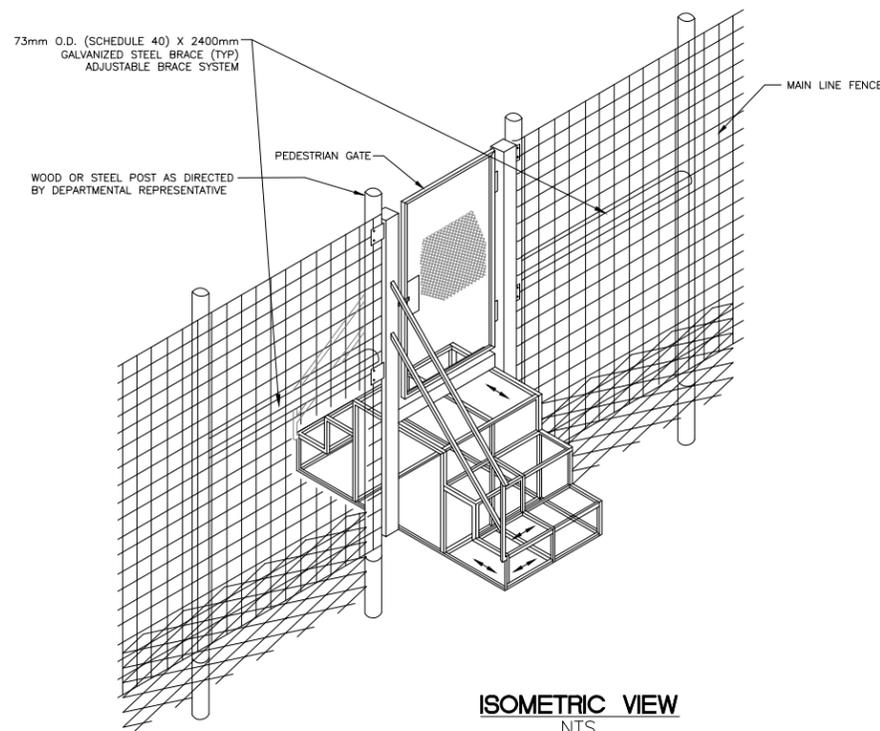


**ELEVATION VIEW**  
NTS

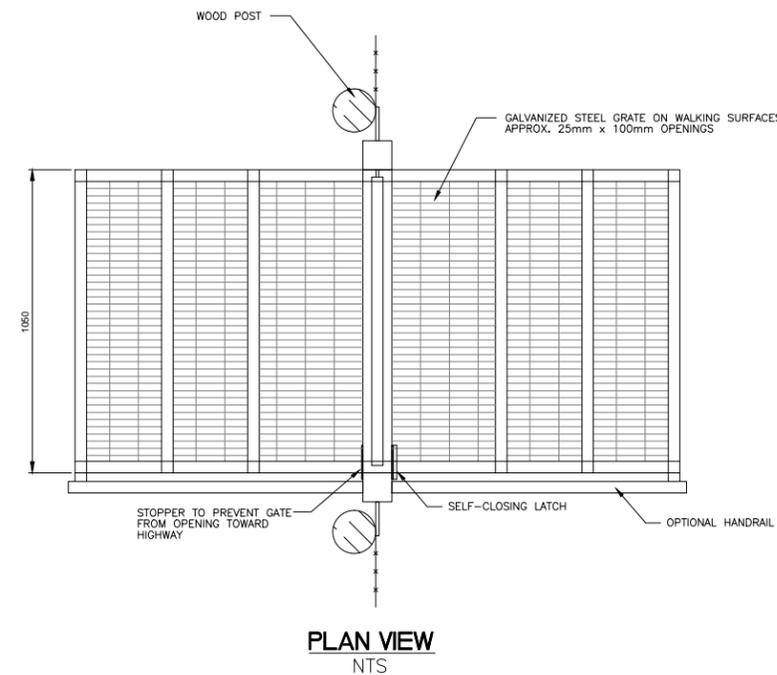
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. ALL MEMBERS ARE 38x38x3.81 HSS.
3. EXPANDED METAL STRUCTURAL GRATING CARBON STEEL TUBING 14.65kg/m<sup>2</sup> WITH OPENING SIZE OF 25mm x 100mm IS TO BE USED FOR TOP OF STEPS AND DECK (WALKING SURFACES).
4. EXPANDED METAL FLATTENED CARBON STEEL STYLE 38 - #13, 2.78kg/m<sup>2</sup> WITH OPENING SIZE OF 27mm x 70mm IS TO BE USED FOR STEP RISERS, SIDES AND GATE.
5. LONG OPENING SIZE TO BE IN DIRECTION OF LONGEST SPAN.
6. ALL HSS JOINTS TO BE CONTINUOUS 4mm BUTT WELD.
7. ALL CONTACT POINTS OF EXPANDED METAL WITH FRAMES ON STEPS AND DECK (WALKING SURFACE) TO BE SPOT WELDED WITH MAXIMUM SPACING OF 75mm.
8. ALL CONTACT POINTS OF EXPANDED METAL WITH FRAMES ON STEP RISERS, SIDES AND GATE ARE TO BE SPOT WELDED WITH A MAXIMUM SPACING OF 150mm.
9. ALL EXPANDED METAL EDGES PROJECTING BEYOND FRAME TO BE GROUND FLUSH BEFORE WELDING.
10. ALL ELEMENTS TO BE HOT-DIP GALVANIZED ACCORDING TO ASTM A53/A53M-07
11. ALL REFERENCES TO EXPANDED METAL SPECIFICATION OBTAINED FROM INDUSTRIAL WIRE AND IRON WORKS LTD. CATALOGUE. MATERIALS OF EQUAL QUALITY AND DIMENSION ACCEPTABLE.



**SIDE VIEW**  
NTS



**ISOMETRIC VIEW**  
NTS



**PLAN VIEW**  
NTS

No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
A	2017.01.31	ISSUED FOR TENDER	AI	MM

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

A C	A B C
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Consultant's Stamp /  
Sceau de l'expert-conseil

**McElhanney Consulting Services Ltd.**  
Signature: [Signature]  
Date: JANUARY 31, 2017  
PERMIT NUMBER: P 6383  
The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta

Eng. Stamp /  
Sceau de l'ingénieur

**McElhanney**  
[Professional Engineer Seal]

Client/client

Parks Canada Agency / L'Agence Parcs Canada

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

**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY  
WILDLIFE EXCLUSION FENCING  
PHASE 3 - KM 0.0 TO KM 26.5  
BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

**PEDESTRIAN GATE DETAILS**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	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
568-01		D03
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

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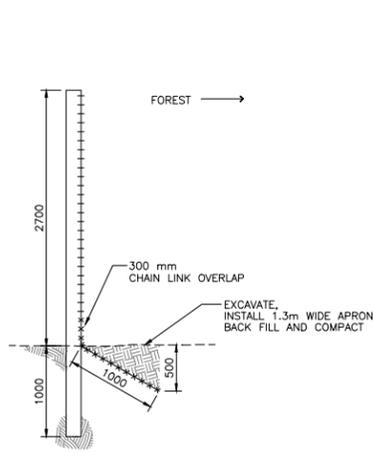
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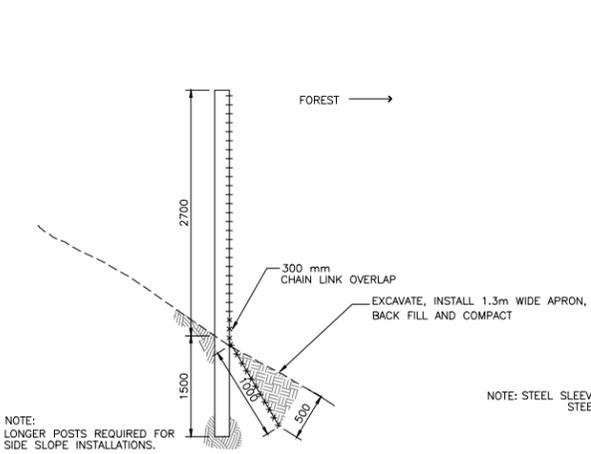
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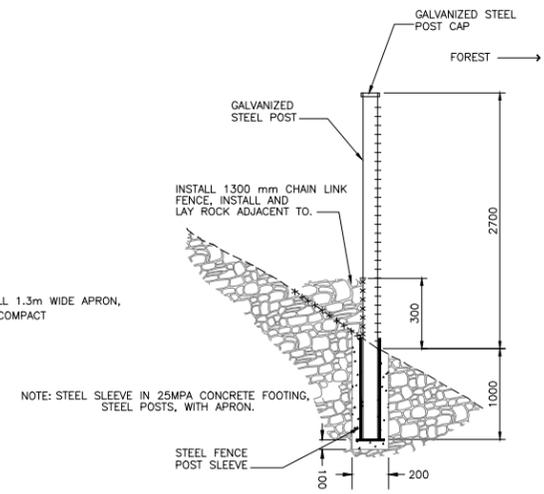
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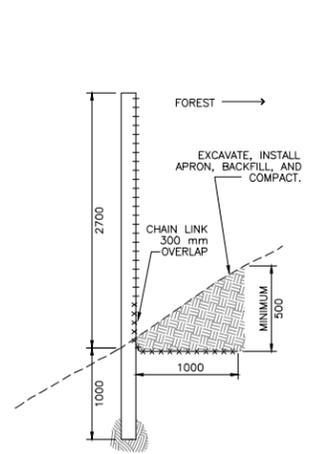
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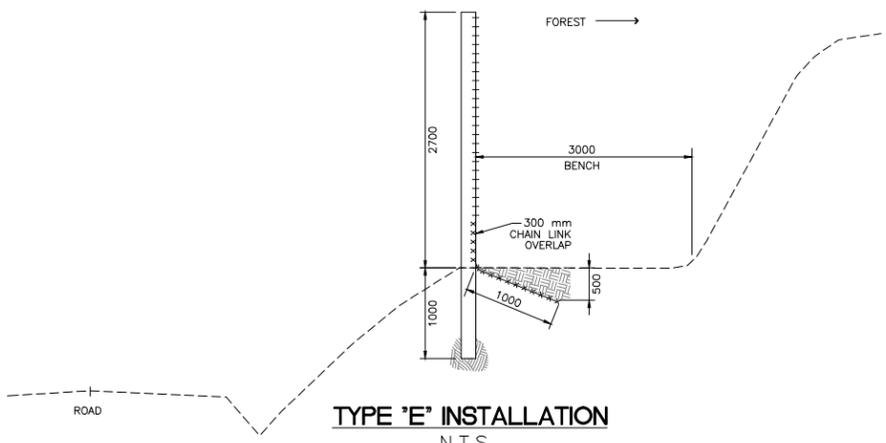
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**SIDE SLOPE 2:1 + FLATTER**  
N.T.S.



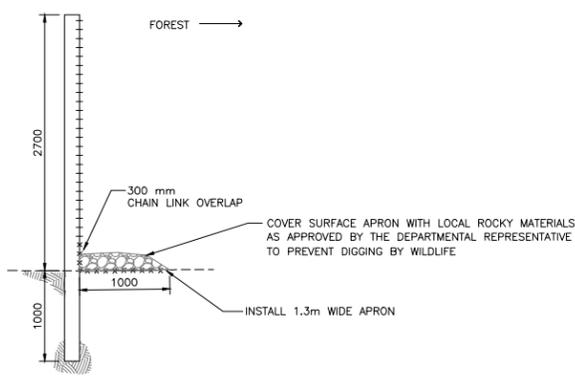
**TYPE 'C' INSTALLATION**  
**ROCK RUBBLE SIDESLOPE**  
**STEEL POST WITH SURFACE APRON**  
N.T.S.



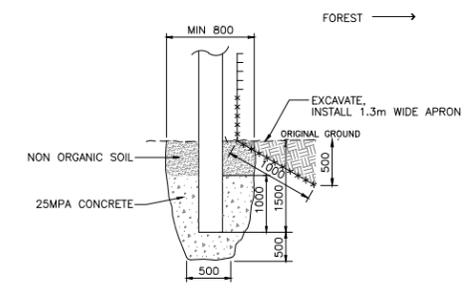
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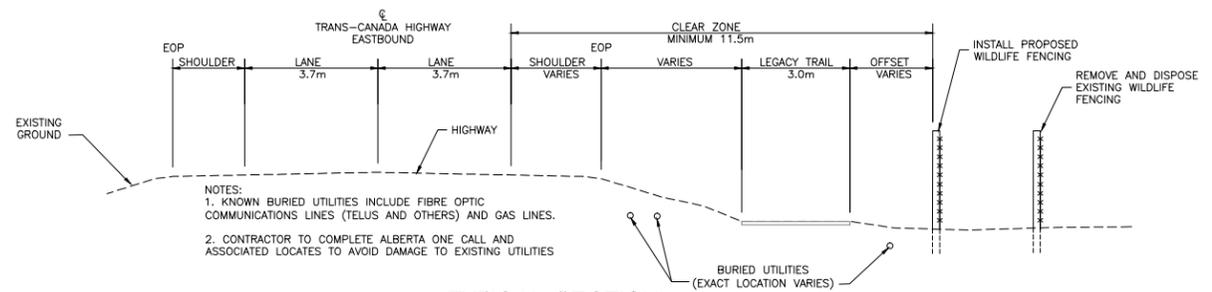
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**TYPE 'F' INSTALLATION**  
**SURFACE APRON IN ARCHAEOLOGICALLY**  
**SENSITIVE LOCATIONS**  
N.T.S.



**TYPE 'G' INSTALLATION**  
**WOOD POST FOUNDATION IN HIGH**  
**WATER TABLE AND NON ORGANIC SOILS**  
N.T.S.



**TYPICAL SECTION**  
**BURIED UTILITIES AND MINIMUM CLEAR ZONE**  
N.T.S.

No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
A	2017.01.31	ISSUED FOR TENDER	AI	MM

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

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Sceau de l'expert-conseil

PERMIT TO PRACTISE  
McElhanney Consulting Services Ltd.  
Signature: [Signature]  
Date: JANUARY 31, 2017  
PERMIT NUMBER: P 6383  
The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta

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[Professional Engineer Seal]

Client/client

Parks Canada Agency / L'Agence Parcs Canada

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

**McElhanney**

Project title/Titre du projet

**TRANS CANADA HIGHWAY**  
**WILDLIFE EXCLUSION FENCING**  
**PHASE 3 - KM 0.0 TO KM 26.5**  
**BANFF NATIONAL PARK, AB**

Drawing title/Titre du dessin

**POST INSTALLATION DETAILS**  
**AND TYPICAL SECTION**

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
	AI	2017-01-31
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

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Project No./No. du projet	Asset No./No. de bien	Sheet No./No. de la feuille
568-01		D05
Drawing Reference No./No. de référence du dessin		
2121 00546 - 02		

ISSUED FOR TENDER  
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**HALF SIZE**

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