



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

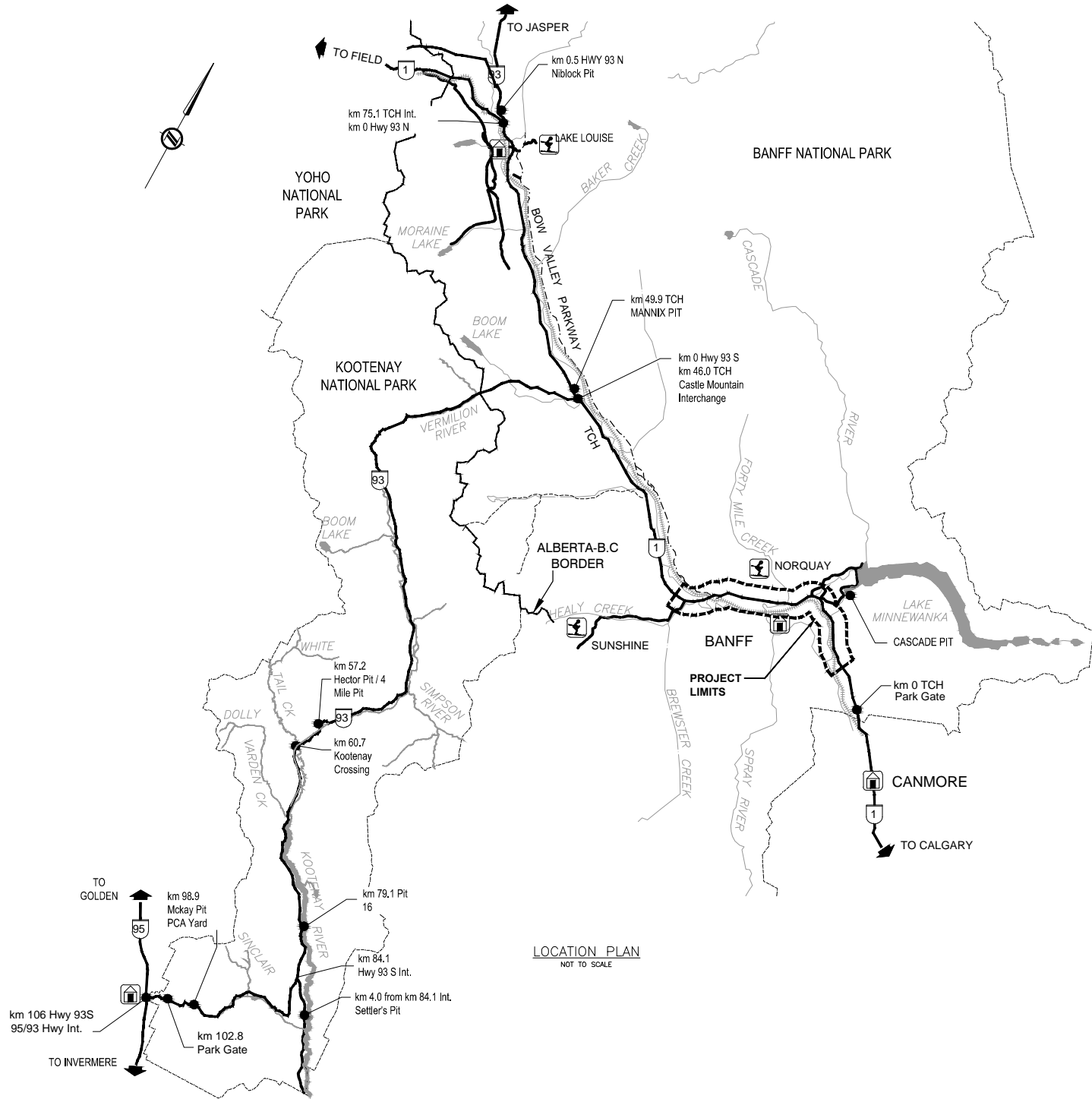
NOT FOR CONSTRUCTION

PROJECT No. 568-1

JANUARY, 2017

C01

Filename: G:\Projects\2121\2121-00546-02 PCA-BMP TCH Evaluation Fencing\10.0 Drawings\10.3 Sheet Files\Cover-Plan-Index-LEGEND_LOCATION-CON to C02.dwg, Date: January 31, 2017, 11:46:22, Plotted: At 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 PAVEMENT	EP
1012.14	EDGE OF PAVED SHOULDER	
	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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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: JANUARY 31, 2017
PERMIT NUMBER: P 6363
The Association of Professional Engineers, Geologists and Geophysicists of Alberta.

Eng. Stamp
Sceau de l'ingénieur
[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
**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
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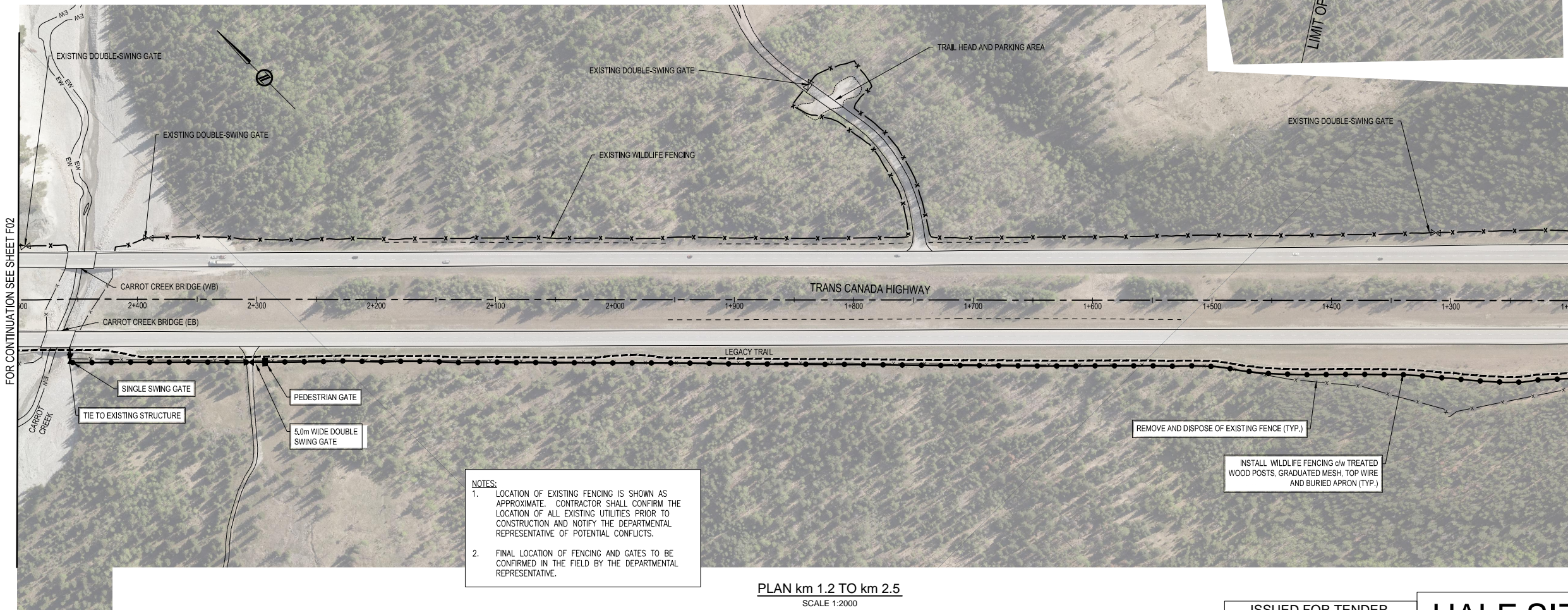
Parks Canada Representative Office/Agencé Représentative Parcs Canada

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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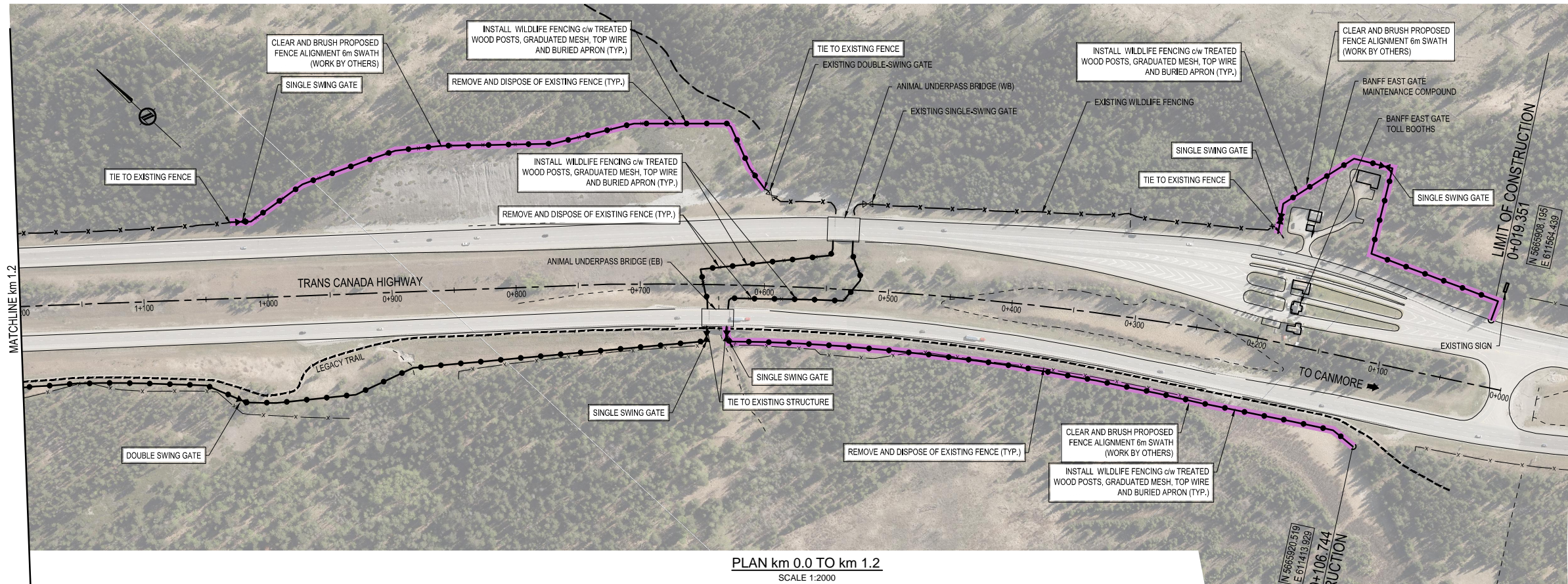
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January 31, 2017, 11:07:14
Plotted: A1 841 x 564 mm



- 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.

PLAN km 1.2 TO km 2.5
SCALE 1:2000



PLAN km 0.0 TO km 1.2
SCALE 1:2000

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LEGEND	
EXISTING	PROPOSED
— x — x —	WILDLIFE FENCING
— x — x —	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)

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
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C	detail on drawing no. détail sur dessin no.

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
PERMIT TO PRACTICE McElhanney Consulting Services Ltd. Signature Date PERMIT NUMBER: P 6363 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.	

Client/client	Parks Canada Agence	L'Agence Parcs Canada
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Consultant's Name Nom de l'expert-conseil	McElhanney
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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
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Drawing title/titre du dessin	FENCING PLAN TRANS CANADA HIGHWAY km 0.0 TO km 2.5
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Surveyed by/arpenté par	Drawn by/Dessiné par	Date/Date
AK	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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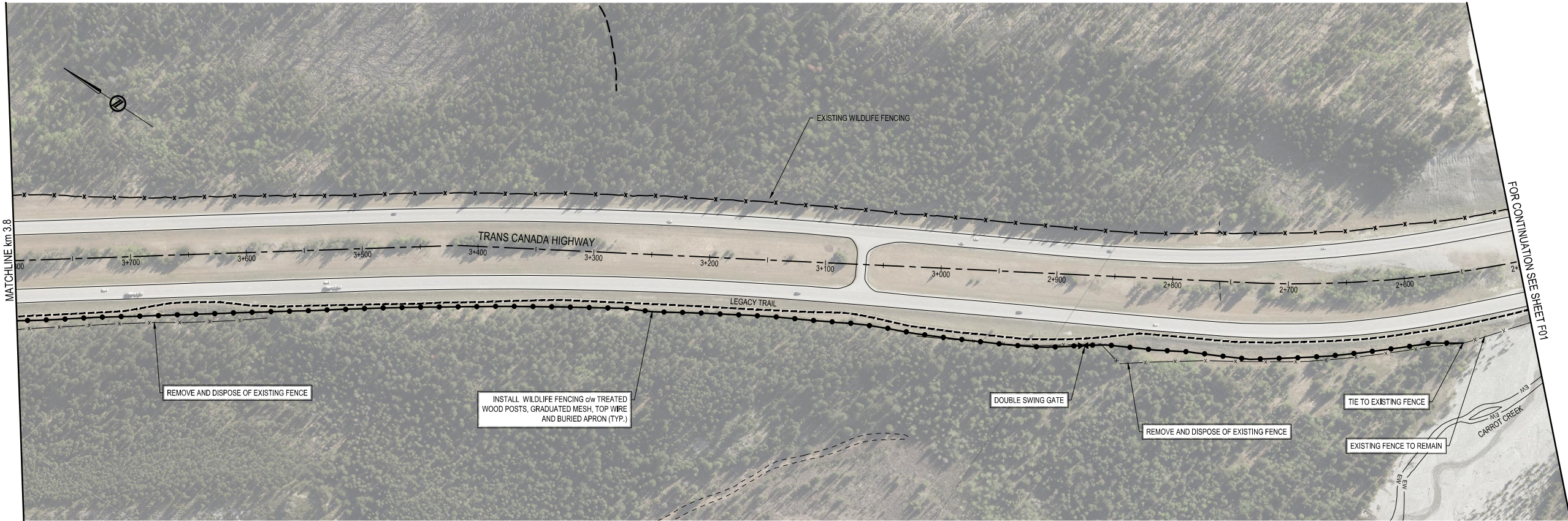
Parks Canada Project Manager/Administrateur de Projets Parcs Canada

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Drawing Reference No./No. de référence du dessin		
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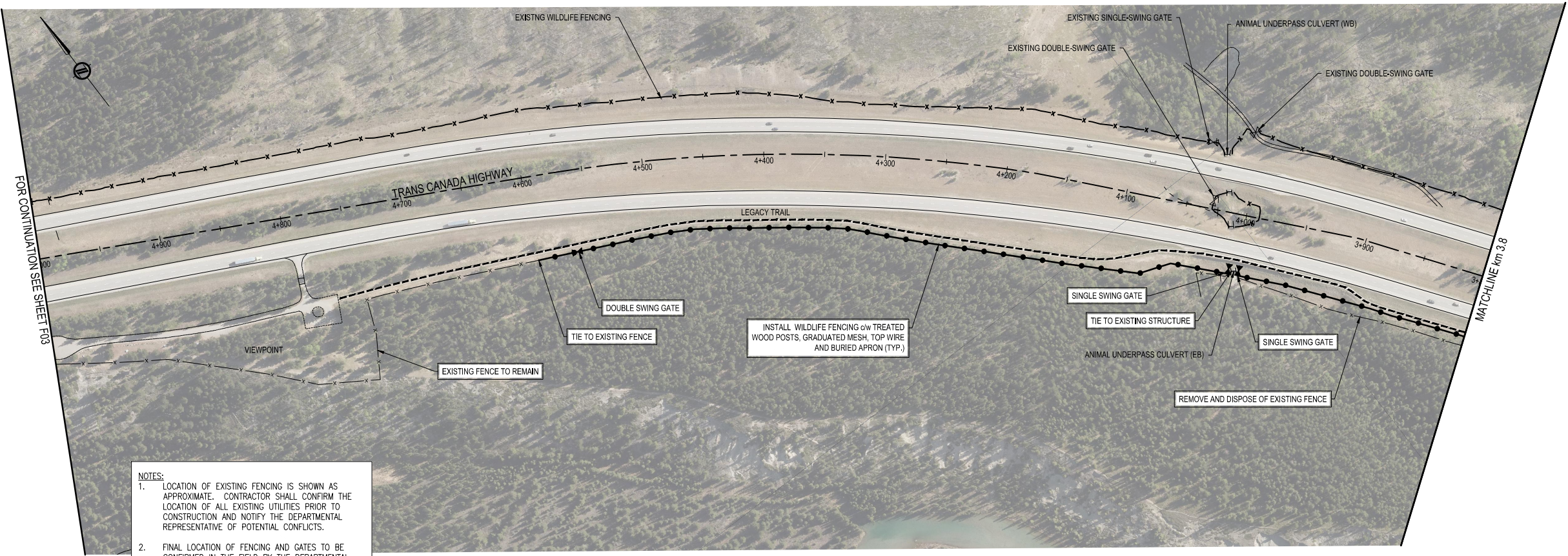
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PLAN km 2.5 TO km 3.8
SCALE 1:2000



PLAN km 3.8 TO km 5.0
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
— x — x —	WILDLIFE FENCING
⊠	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)

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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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
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Drawing title/Titre du dessin	FENCING PLAN TRANS CANADA HIGHWAY km 2.5 TO km 5.0
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Surveyed by/krpenté 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

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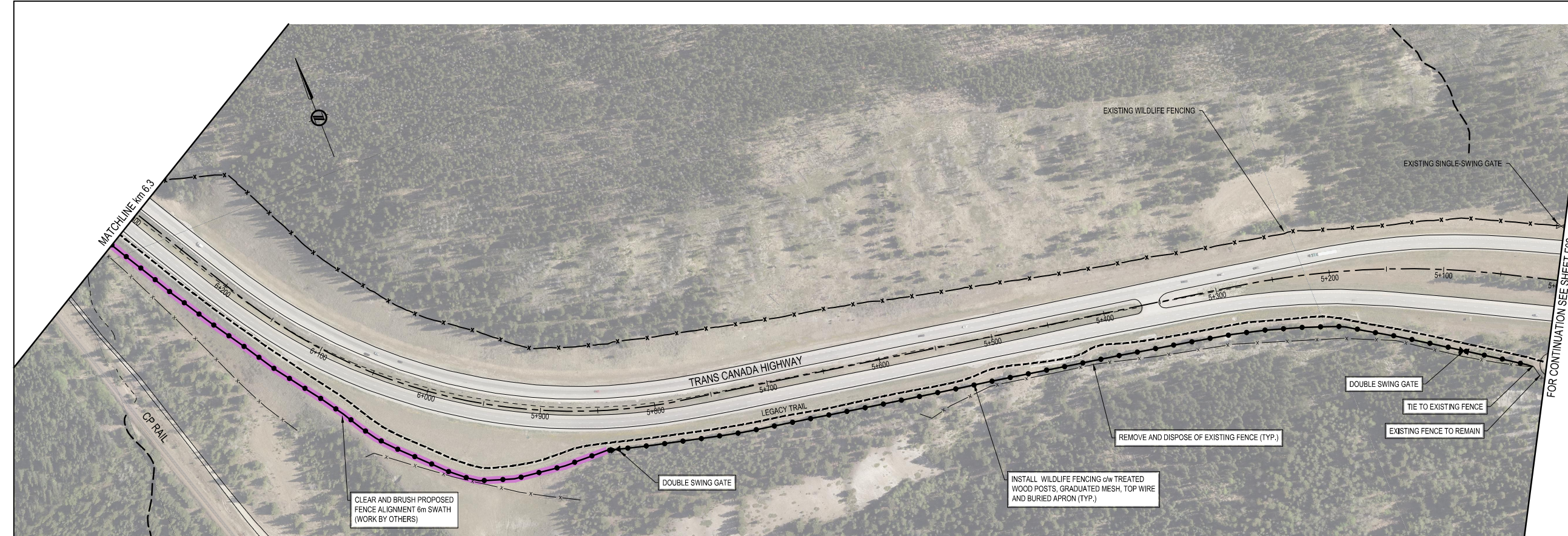
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Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
568-01		F02

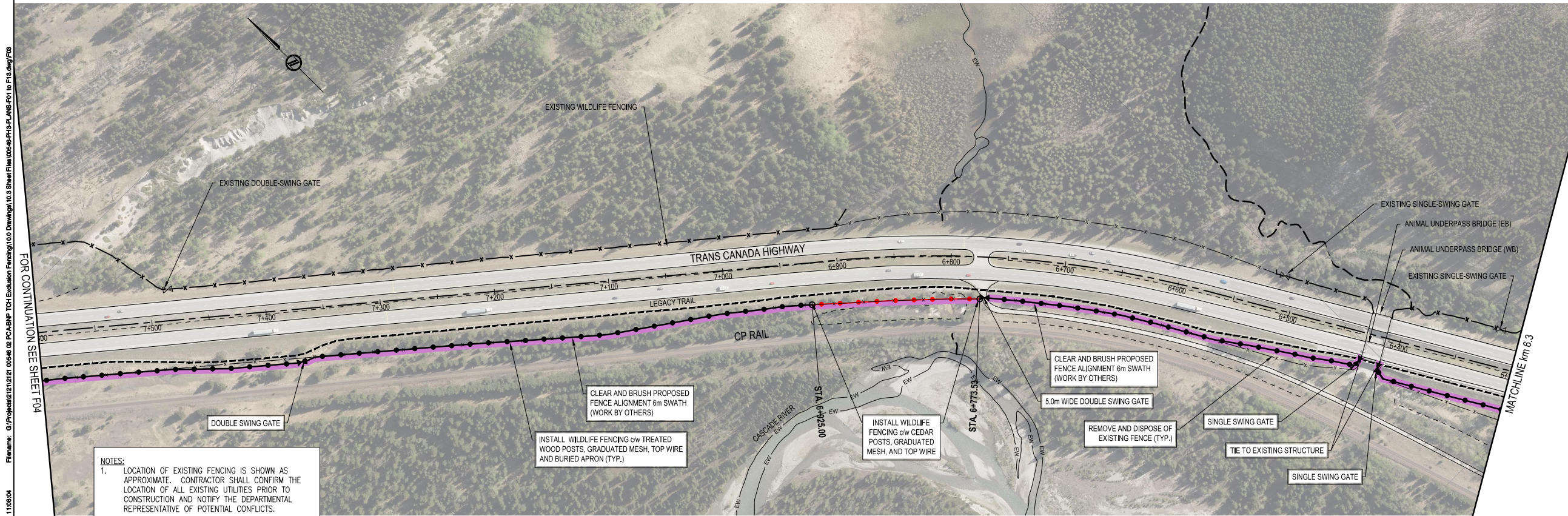
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HALF SIZE



PLAN km 5.0 TO km 6.3
SCALE 1:2000



PLAN km 6.3 TO km 7.6
SCALE 1:2000

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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)

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A	2017.01.31	ISSUED FOR TENDER	AI	MM

Revision / Revision	
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Client/client	Parks Canada Agence	L'Agence Parcs Canada
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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 5.0 TO km 7.6
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Surveyed by/l'arpenté par	Drawn by/Dessiné par	Date/Date
AK	MM	2017-01-31

Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
AK	MM	AS SHOWN

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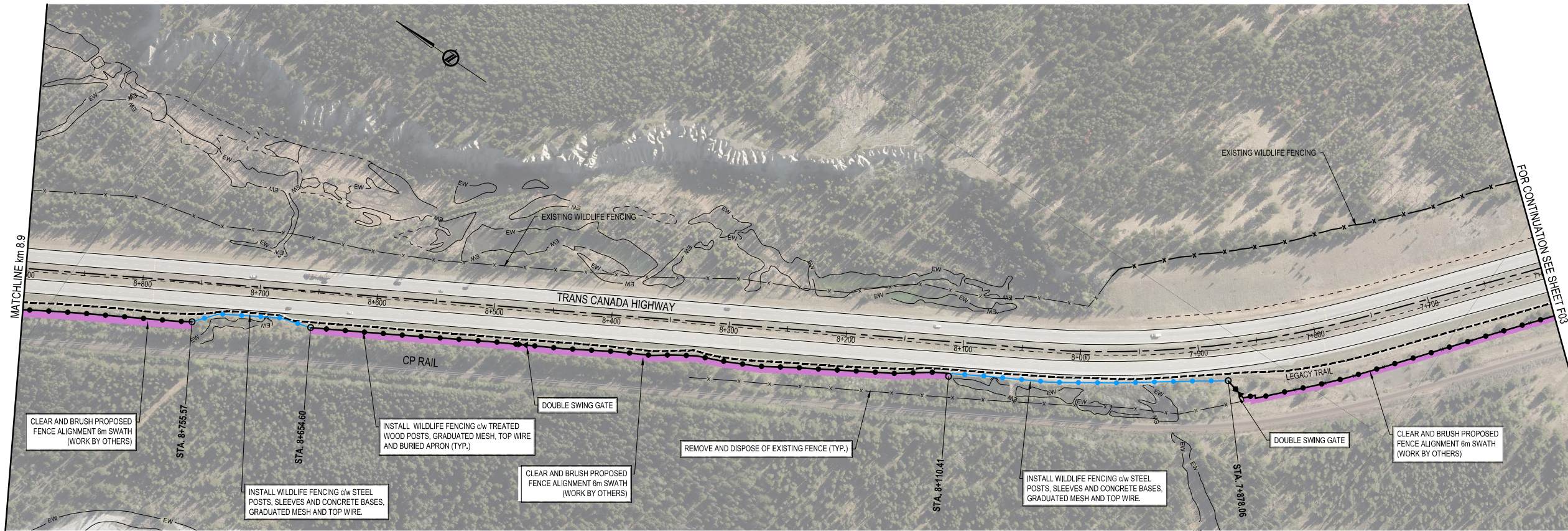
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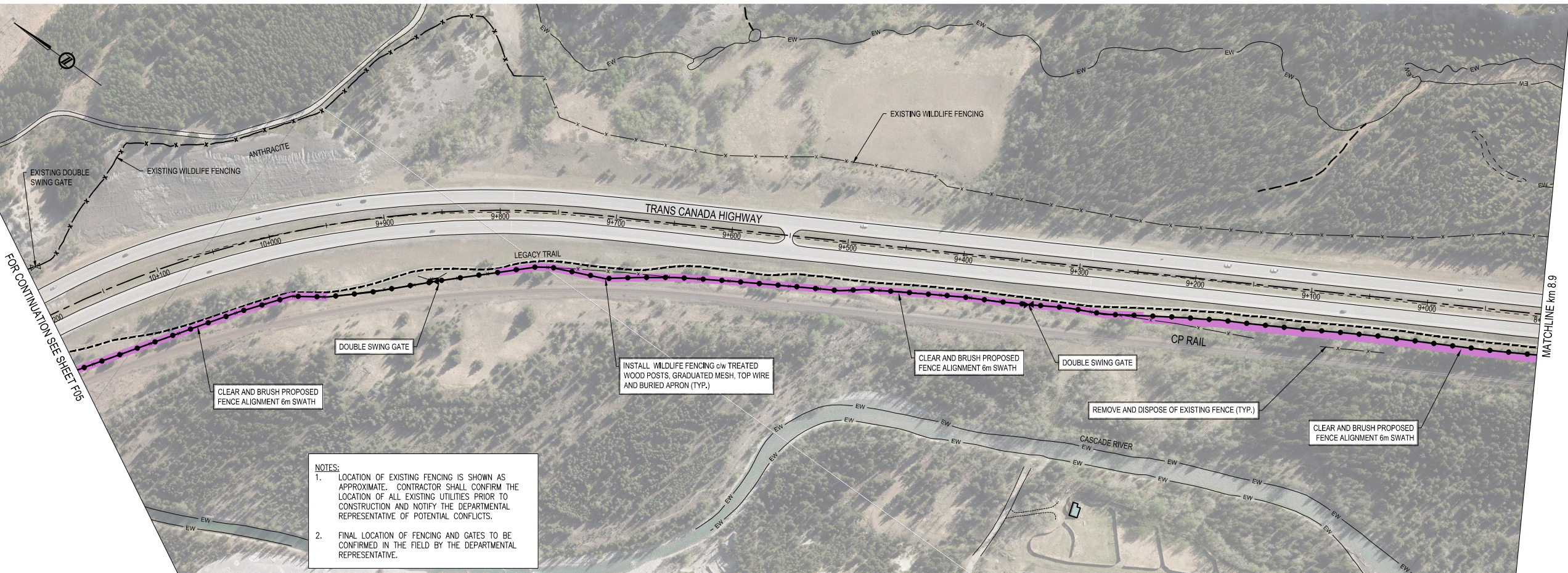
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HALF SIZE

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January 31, 2017, 11:08:30
Plotted: A1 841 x 564 mm



PLAN km 7.6 TO km 8.9
SCALE 1:2000



PLAN km 8.9 TO km 10.2
SCALE 1:2000

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LEGEND

EXISTING	PROPOSED
— x — x —	WILDLIFE FENCING
— x — x —	TREATED WOOD POST
— x — x —	CEEDAR 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)

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Consultant's Stamp
Sceau de l'expert-conseil

PERMIT TO PRACTICE
McElhanney Consulting Services Ltd.
Signature
Date
PERMIT NUMBER: P 6363
The Association of Professional Engineers,
Geologists and Geophysicists of Alberta.

Eng. Stamp
Sceau de l'ingénieur

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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

FENCING PLAN
TRANS CANADA HIGHWAY
km 7.6 TO km 10.2

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

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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

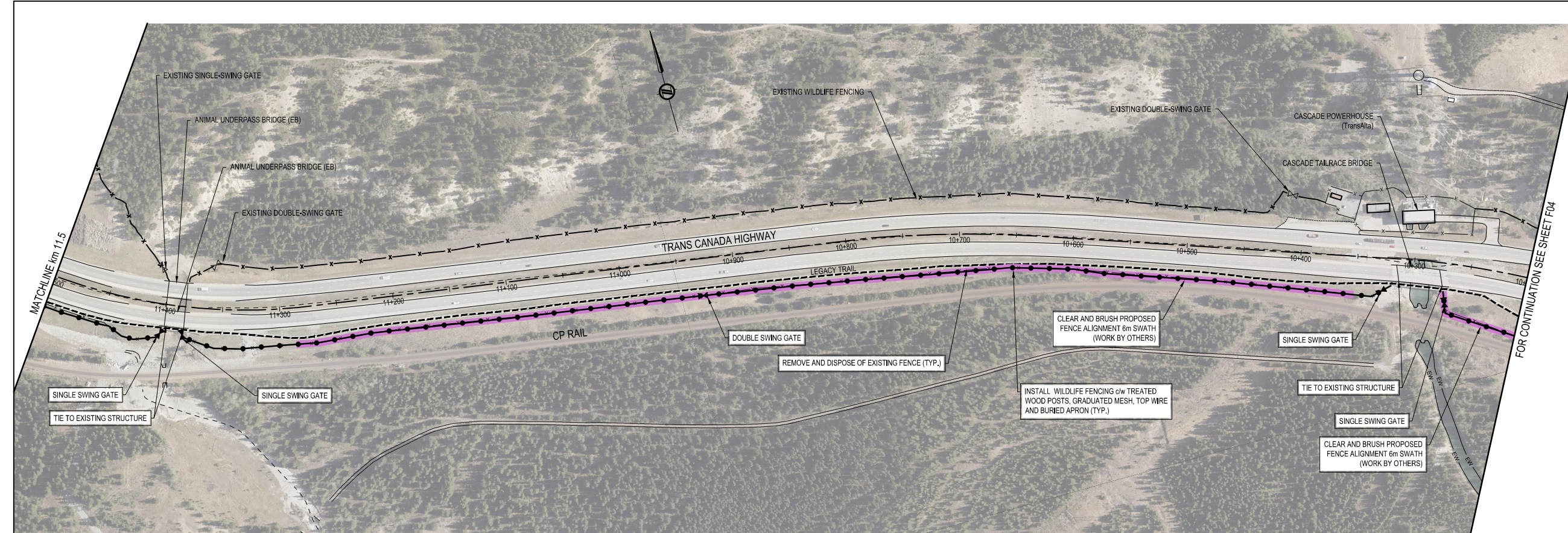
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Drawing Reference No./No. de référence du dessin

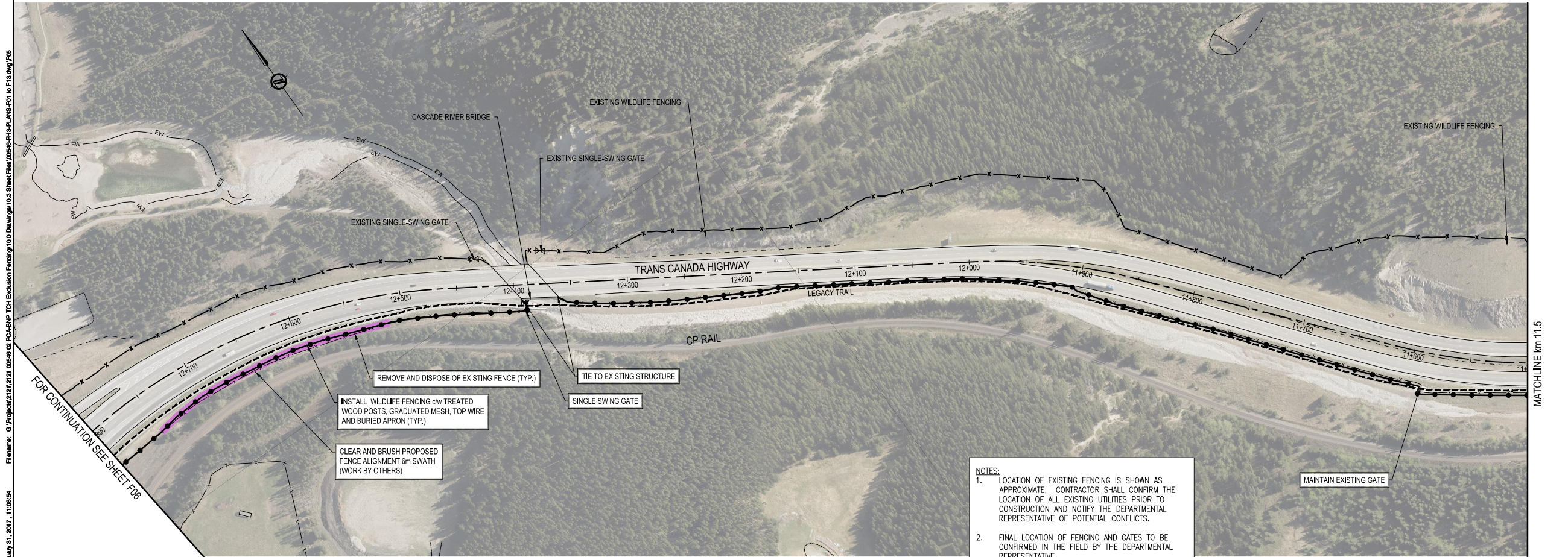
ISSUED FOR TENDER
NOT FOR CONSTRUCTION

HALF SIZE

F04



PLAN km 10.2 TO km 11.5
SCALE 1:2000



PLAN km 11.5 TO km 12.8
SCALE 1:2000

NOTES:
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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
EW	CREEK
EW	RIVER / WATER BODY
EW	MARSH
- - - - -	PAVED MULTI-USE TRAIL
- - - - -	CLEAR AND BRUSH (WORK BY OTHERS)

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

PERMIT TO PRACTICE
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

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

**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
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

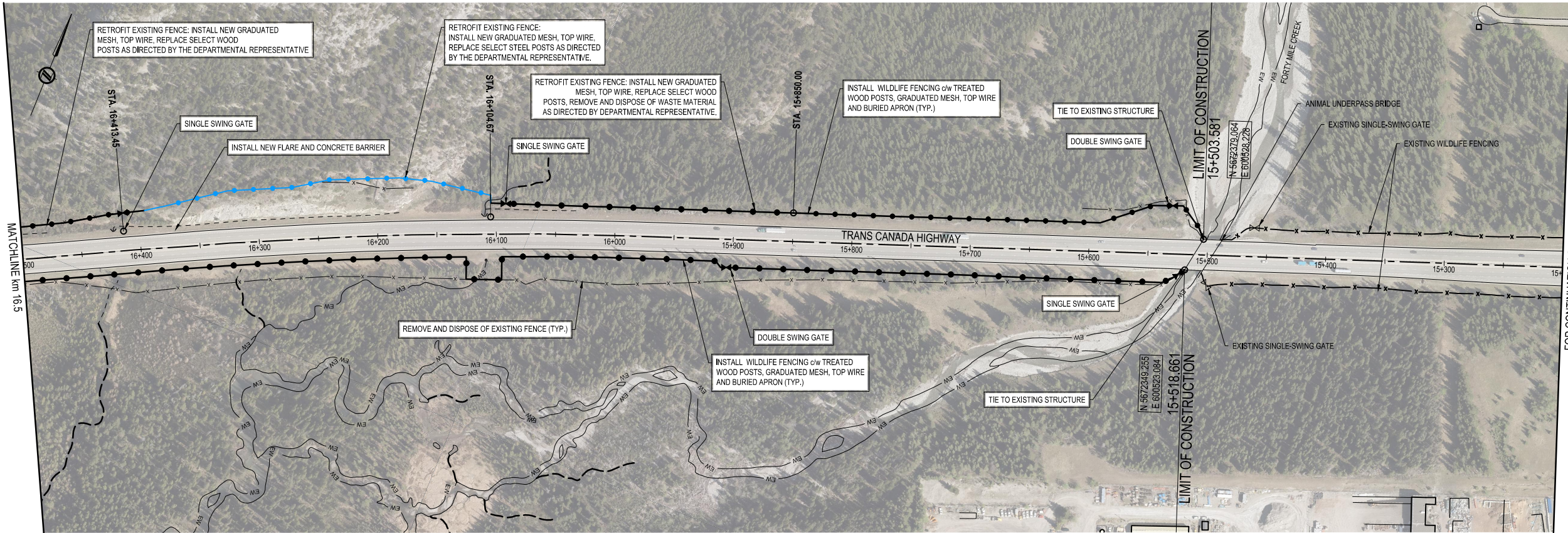
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Drawing Reference No./No. de référence du dessin	
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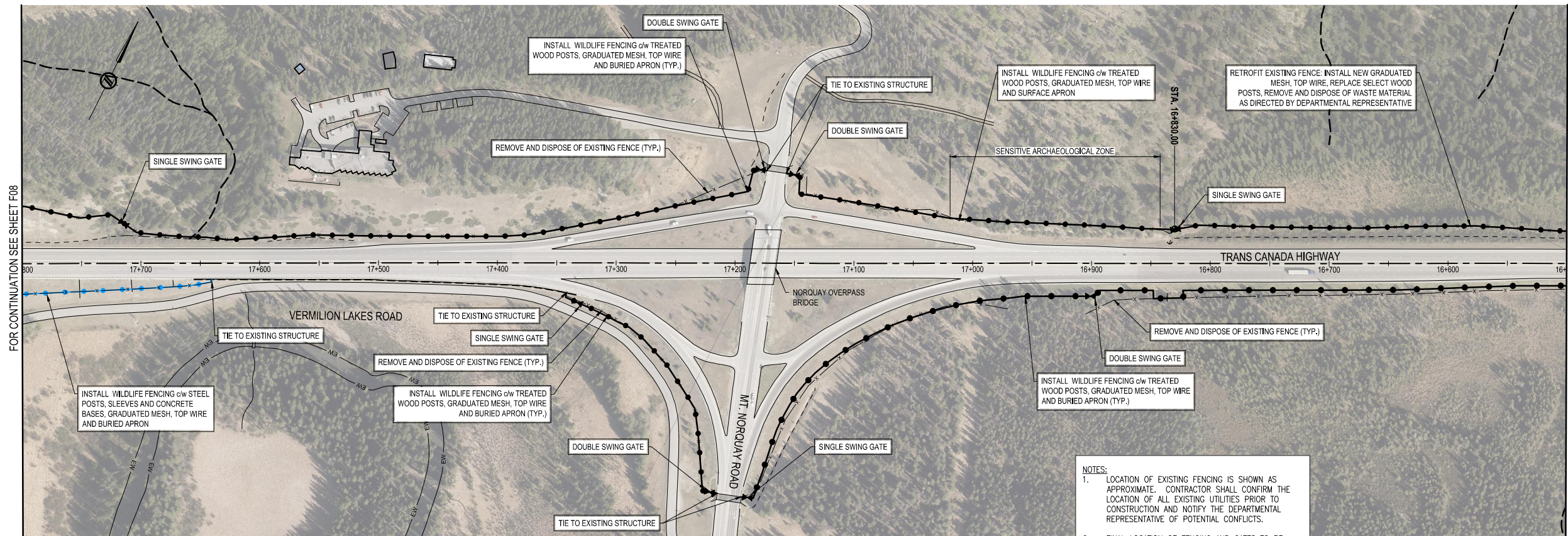
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NOT FOR CONSTRUCTION

HALF SIZE

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January 31, 2017, 1:10:43
Plotted: 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
— x — x —	WILDLIFE FENCING
— x — x —	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)

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.

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
PERMIT TO PRACTICE McElhanney Consulting Services Ltd. Signature Date JANUARY 31, 2017 PERMIT NUMBER: P 6363 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.	

Client/client	Parks Canada 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
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Drawing title/Titre du dessin	FENCING PLAN TRANS CANADA HIGHWAY km 15.2 TO km 17.8
-------------------------------	--

Surveyed by/Révisé par	Drawn by/Dessiné par	Date/Date
AK	MM	2017-01-31
Designed by/Concept par	Reviewed by/Révisé 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

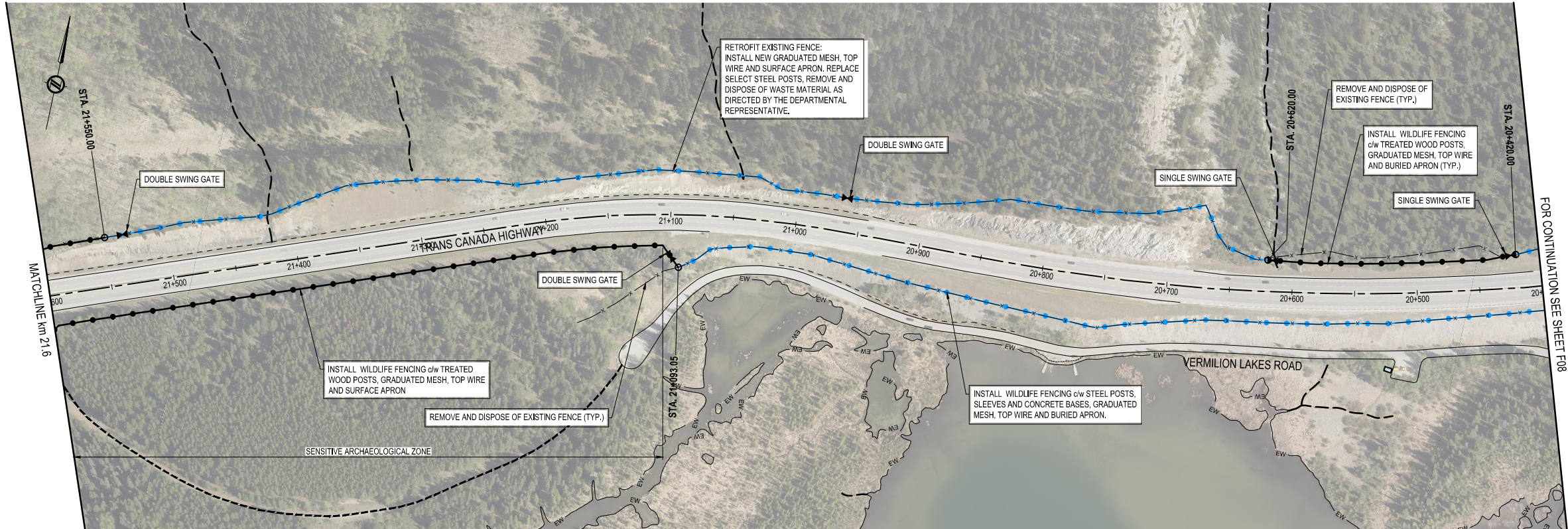
Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
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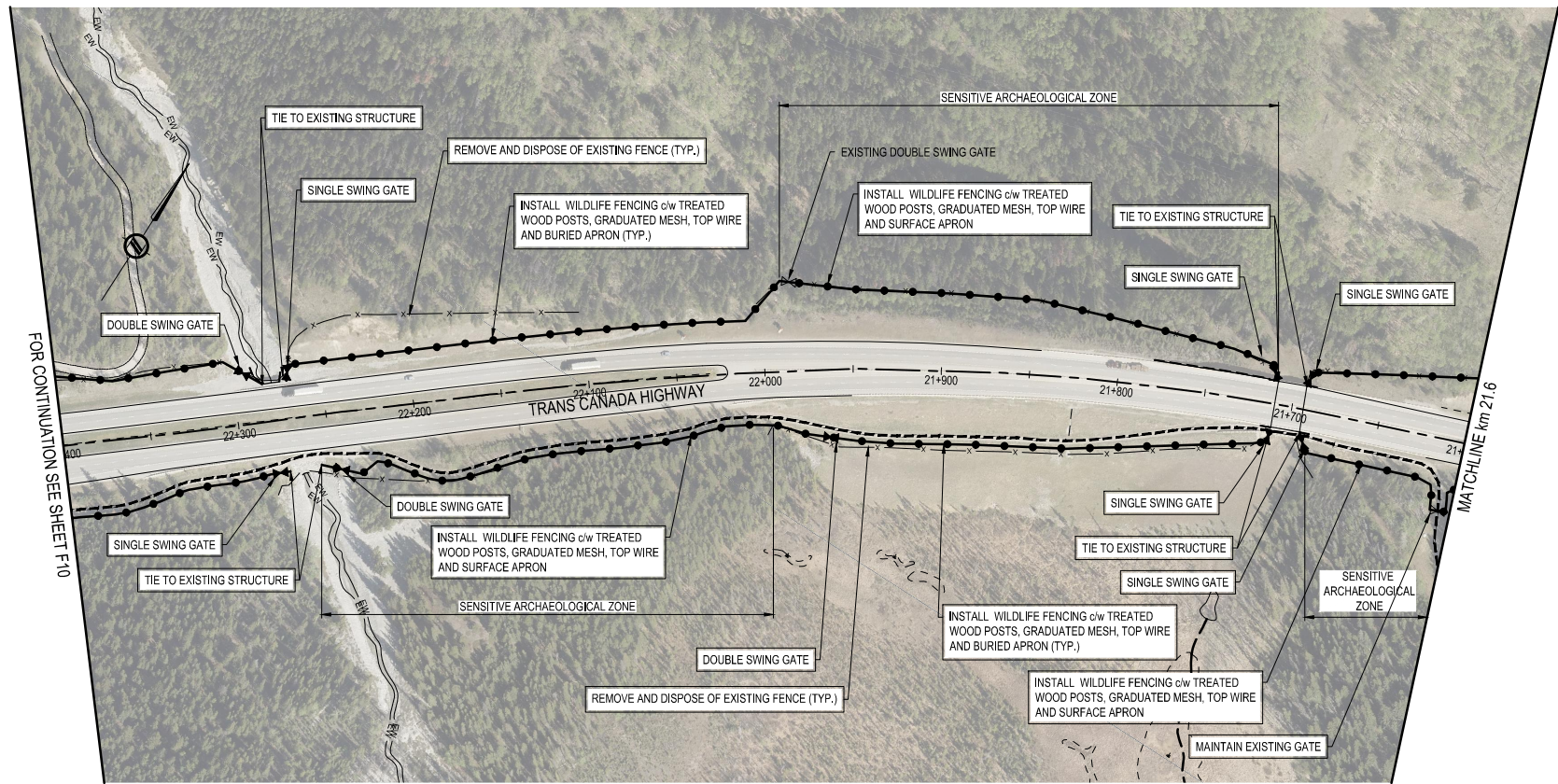
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NOT FOR CONSTRUCTION

HALF SIZE

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Plotted: A1 841 x 564 mm



PLAN km 20.4 TO km 21.6
SCALE 1:2000



PLAN km 21.6 TO km 22.4
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
— x — x —	WILDLIFE FENCING
⊗	TREATED WOOD POST
□	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)

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
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C	detail on drawing no. détail sur dessin no.

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
PERMIT TO PRACTICE McElhanney Consulting Services Ltd. Signature Date PERMIT NUMBER: P 6383 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.	

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	FENCING PLAN TRANS CANADA HIGHWAY km 20.4 TO km 22.4
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Surveyed by/arpenté par	Drawn by/Dessiné par	Date/Date
AK	MM	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

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

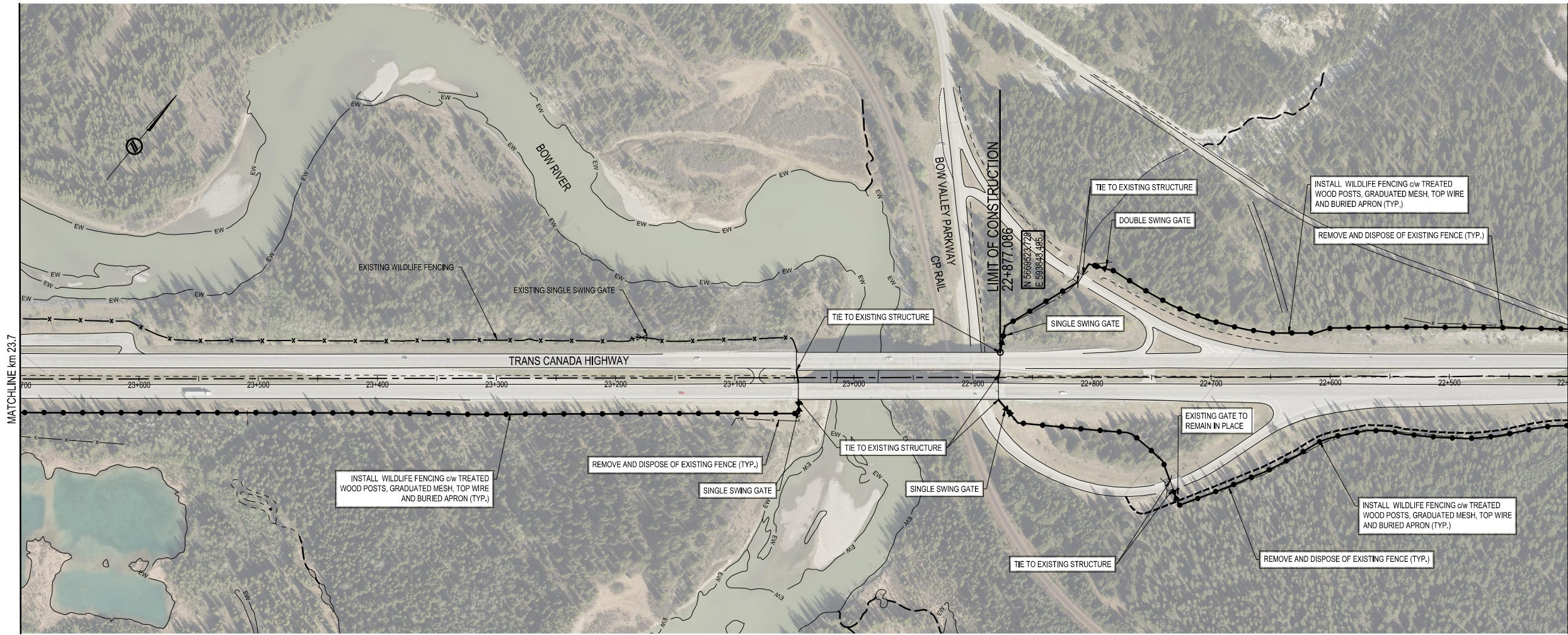
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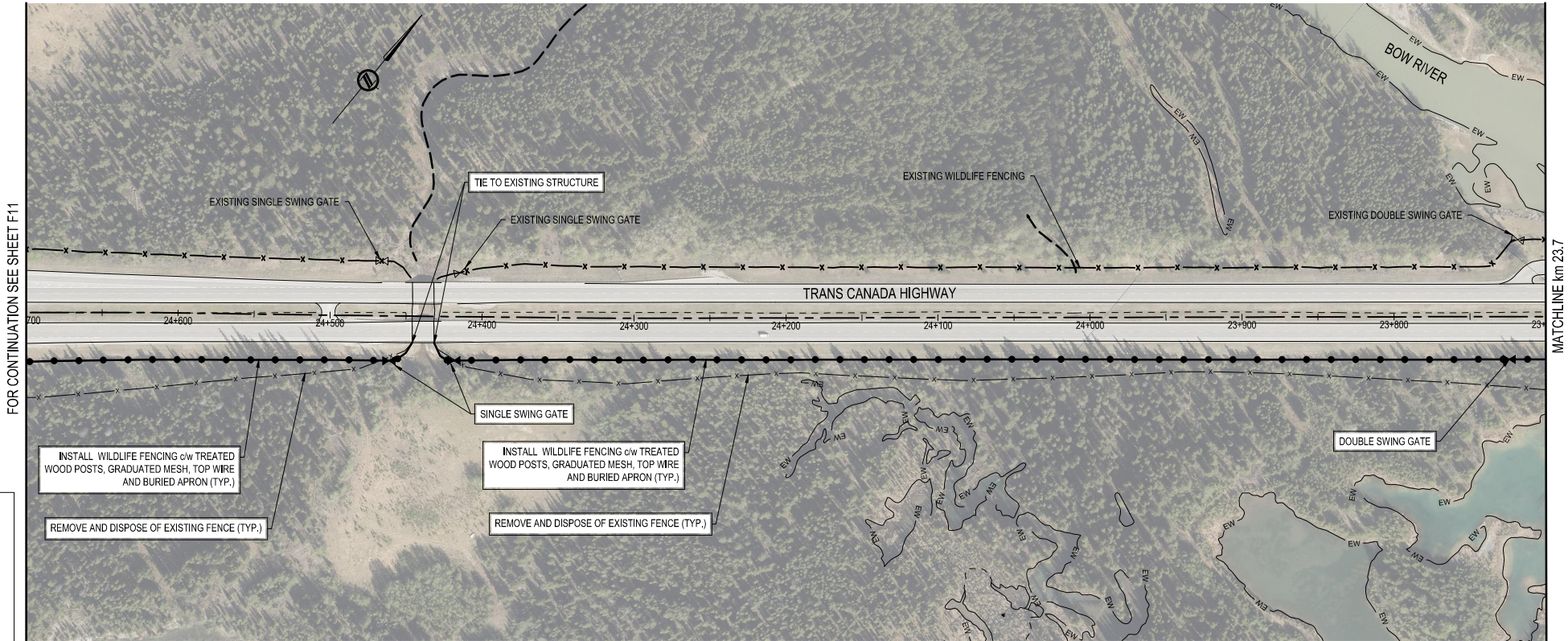
2121 00546 - 02

ISSUED FOR TENDER
NOT FOR CONSTRUCTION

HALF SIZE



PLAN km 22.4 TO km 23.7
SCALE 1:2000



PLAN km 23.7 TO km 24.7
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
— x — x —	WILDLIFE FENCING
⊗	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)

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 Date PERMIT NUMBER: P 6363 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.	Eng. Stamp Sceau de l'ingénieur McElhanney Consulting Services Ltd. Signature Date PERMIT NUMBER: P 6363 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.
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Client/client	Parks Canada Agency	L'Agence Parcs Canada
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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 22.4 TO km 24.7
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Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
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

Parks Canada Project Manager/Administrateur de Projets Parcs Canada

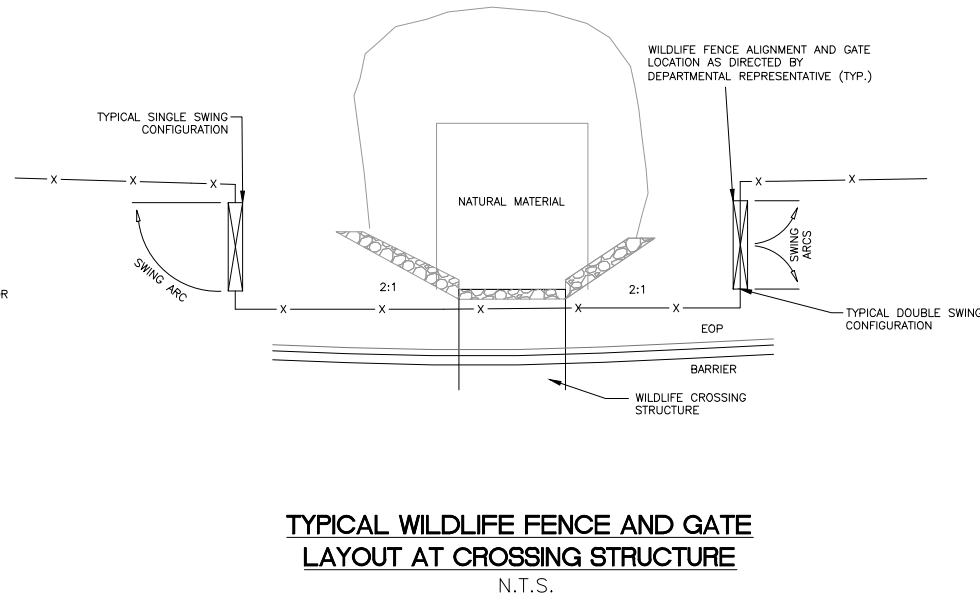
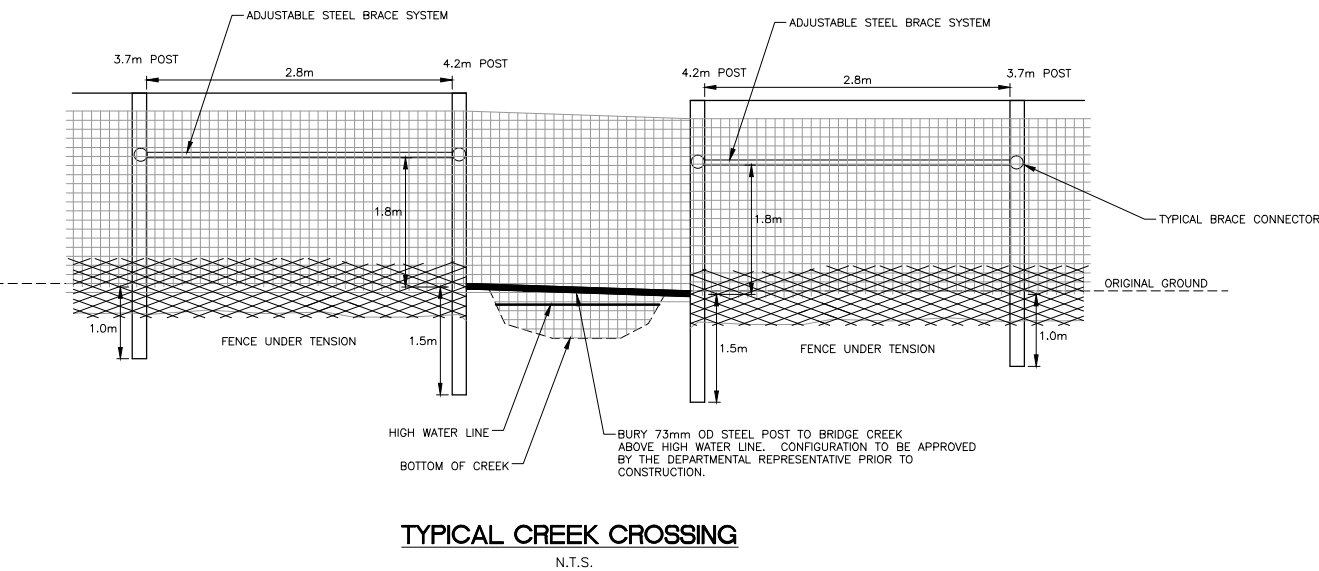
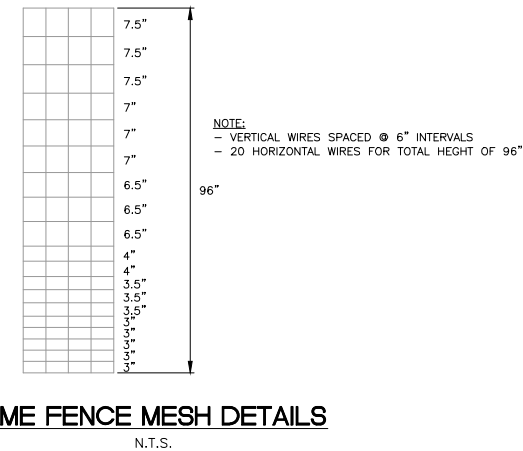
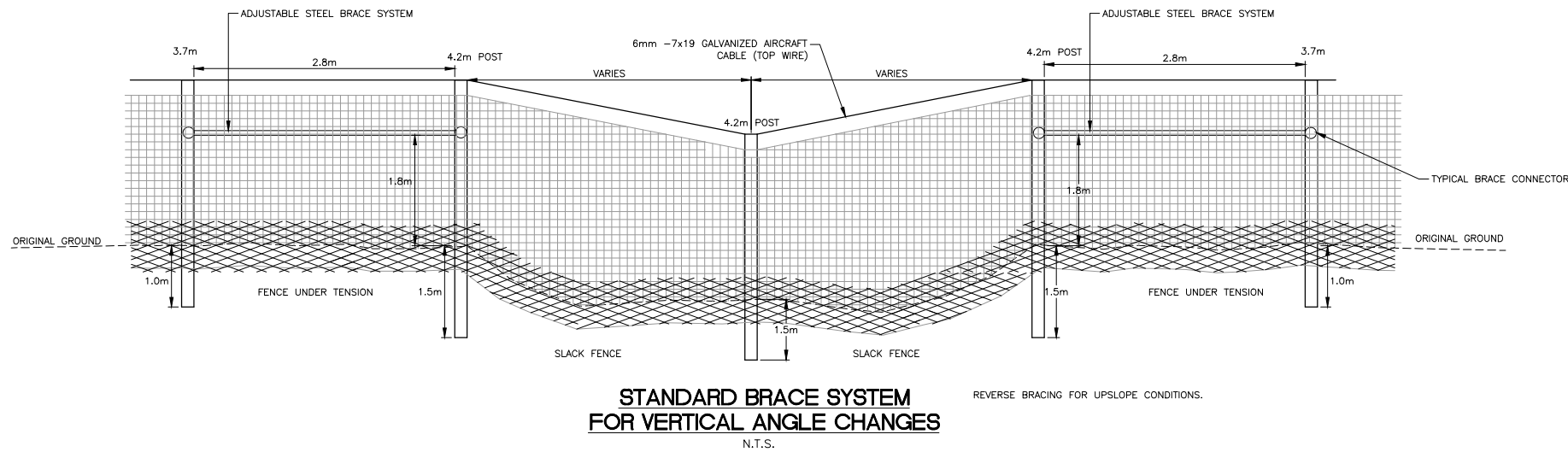
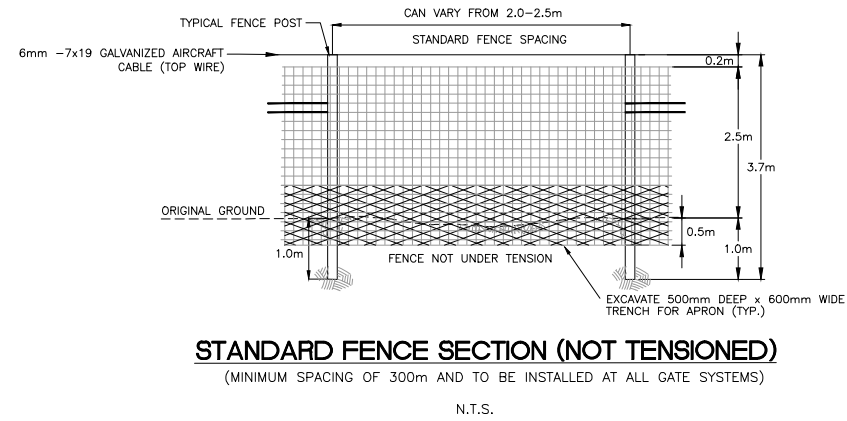
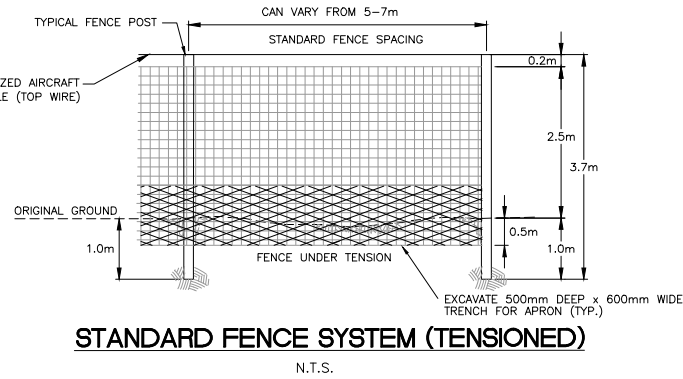
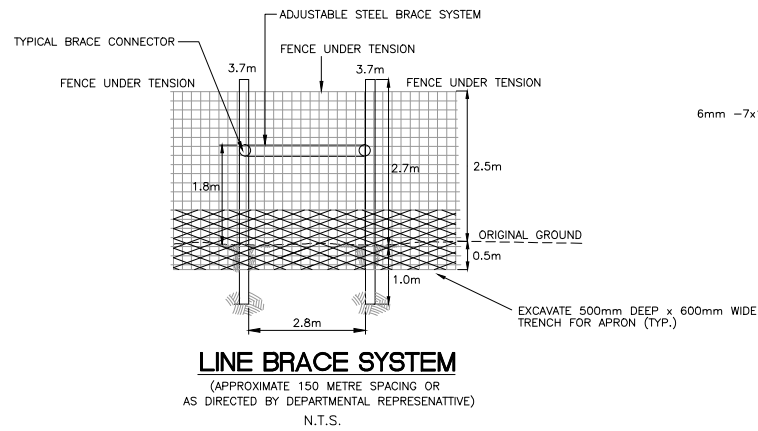
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568-01		F10

Drawing Reference No./No. de référence du dessin	2121 00546 - 02
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ISSUED FOR TENDER
NOT FOR CONSTRUCTION

HALF SIZE

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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.

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
PERMIT TO PRACTICE McElhanney Consulting Services Ltd. Signature: <i>[Signature]</i> Date: <i>[Date]</i> PERMIT NUMBER: P 6383 The Association of Professional Engineers, Geologists and Geophysicists of Alberta.	PROFESSIONAL ENGINEER <i>[Signature]</i> 2017

Client/client	Parks Canada 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
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Drawing title/Titre du dessin	WILDLIFE FENCE DETAILS
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Surveyed by/Représenté par	Drawn by/Dessiné par	Date/Date
AK	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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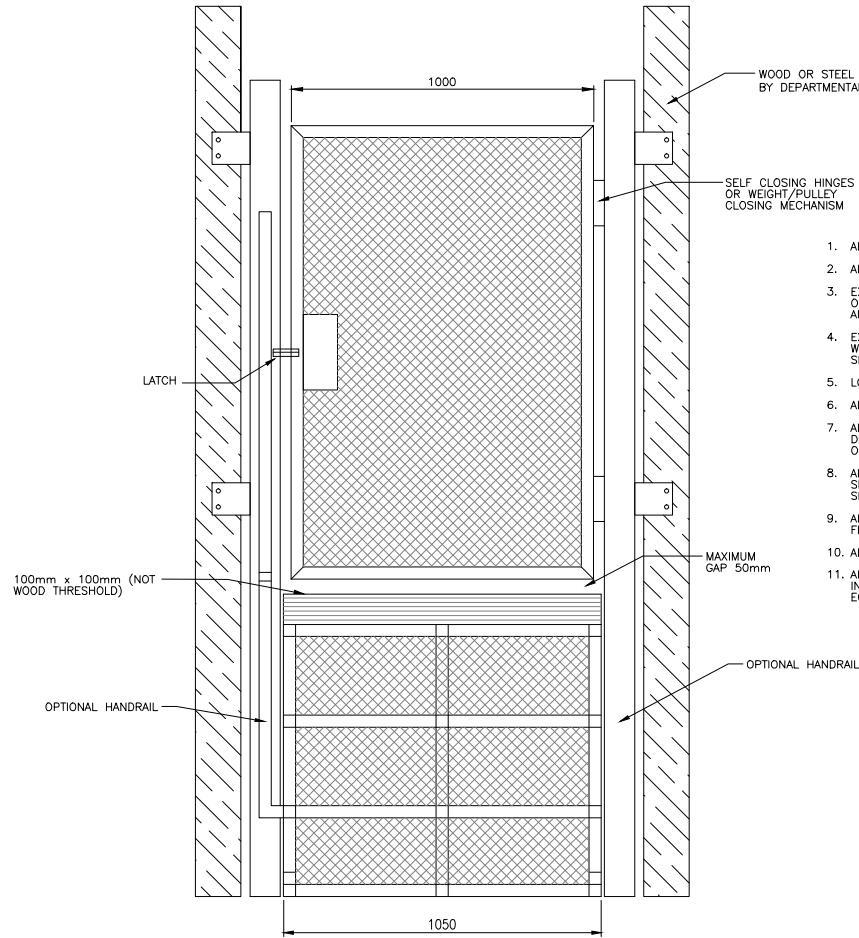
Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
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Drawing Reference No./No. de référence du dessin	2121 00546 - 02	

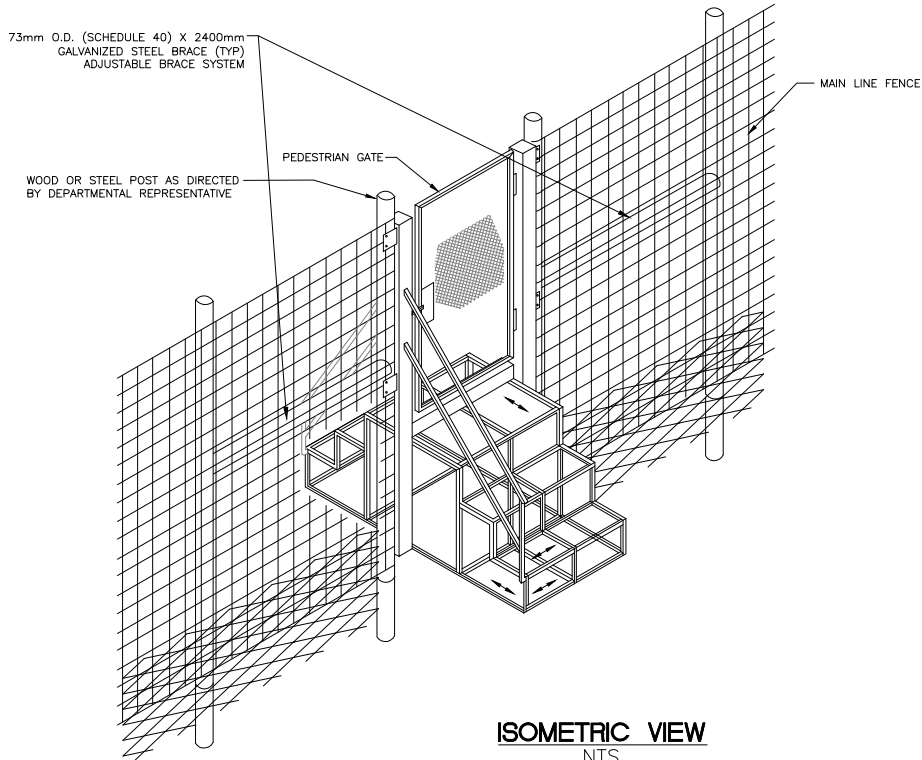
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NOT FOR CONSTRUCTION

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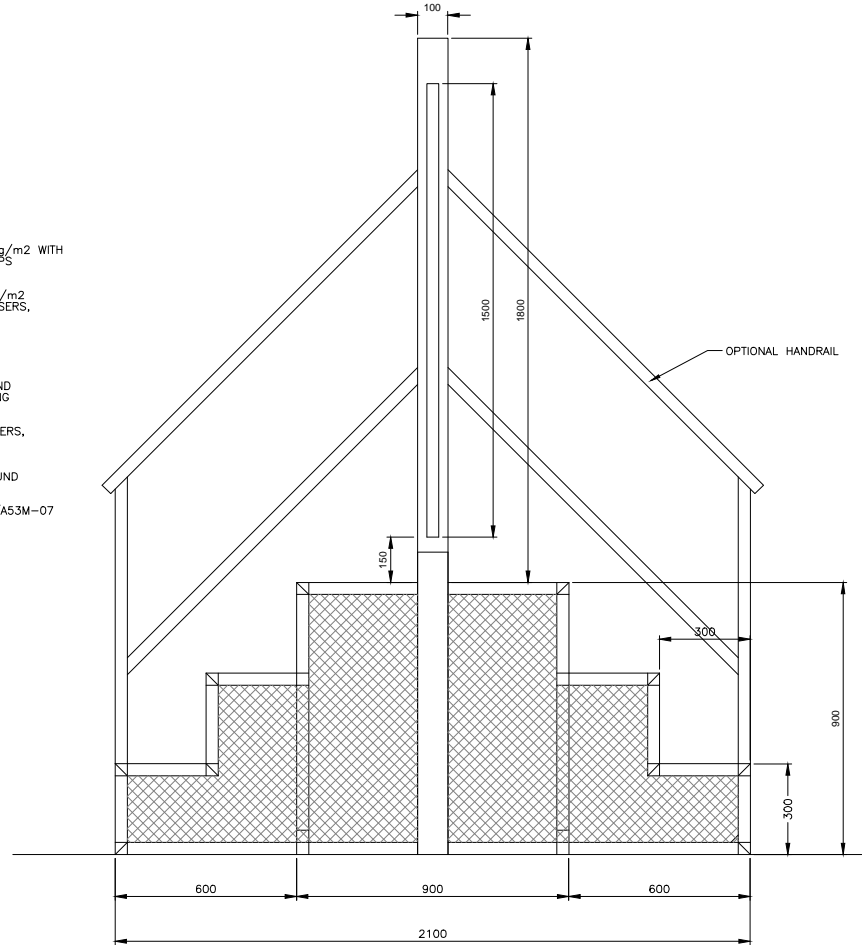
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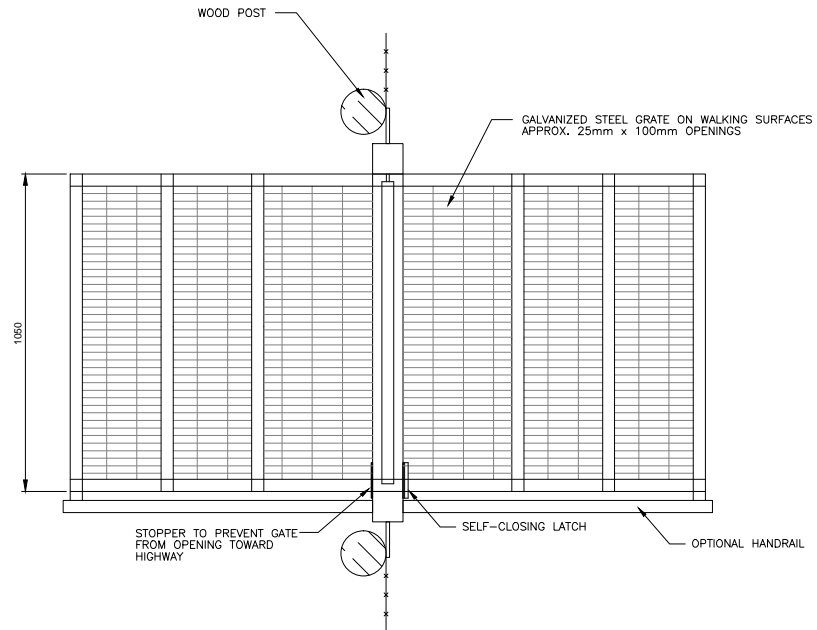
ELEVATION VIEW
NTS



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/m² 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/m² 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



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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.



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 AI	Date/Date 2017-01-31
Designed by/Concept par AK	Reviewed by/Revisé par MM	Scale/Echelle 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

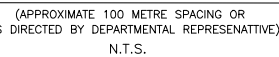
Parks Canada Project Manager/Administrateur de Projets Parcs Canada

Project No./No. du projet 568-01	Asset No./No. du bien	Sheet No./ No. de la feuille D03
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Drawing Reference No./No. de référence du dessin
2121 00546 - 02

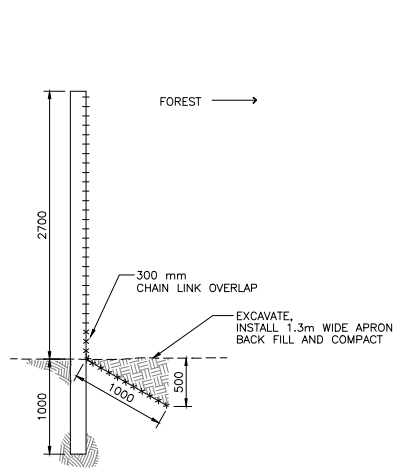
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HALF SIZE

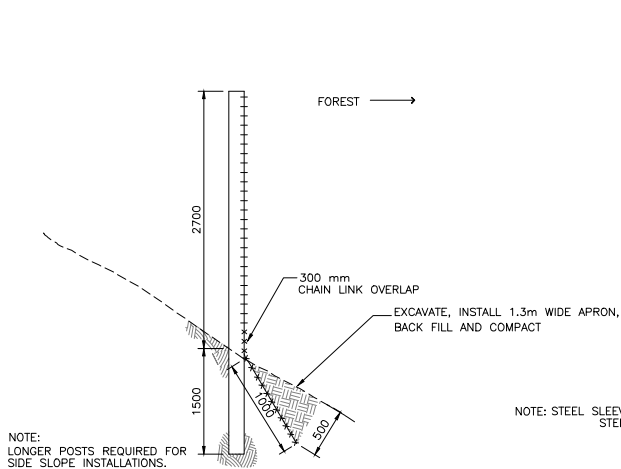


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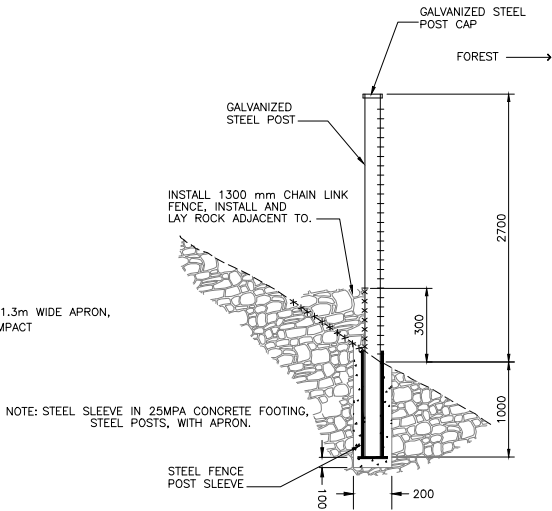
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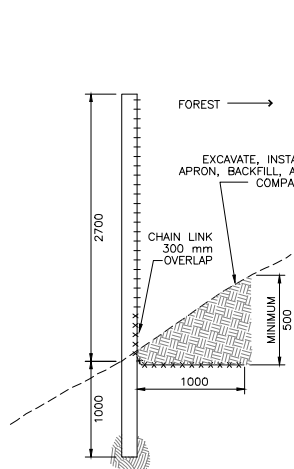
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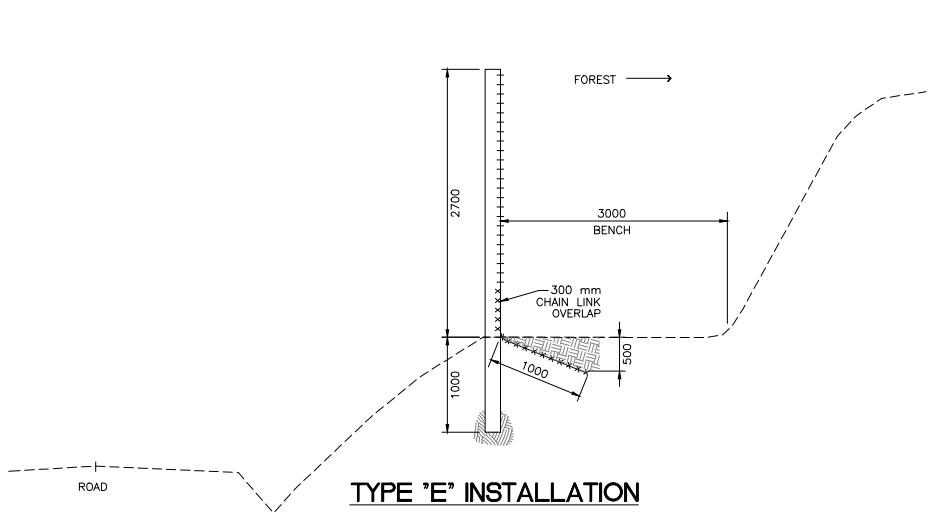
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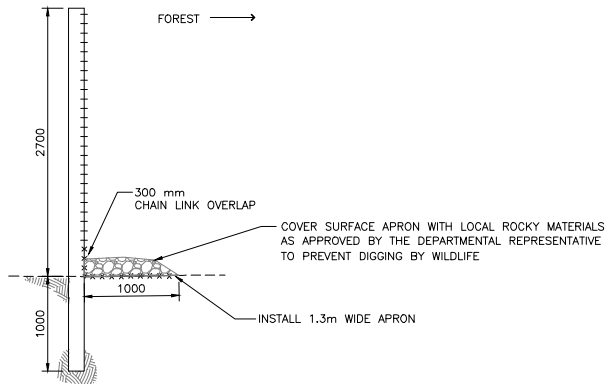
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STEEL POST WITH SURFACE APRON
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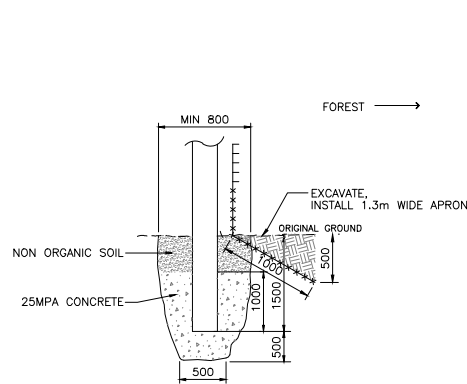
TYPE 'D' INSTALLATION
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BACKSLOPES 2:1 AND FLATTER
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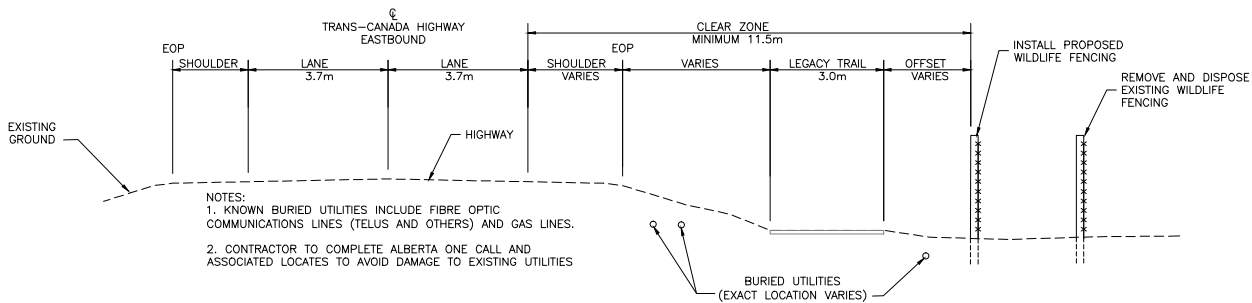
TYPE 'E' INSTALLATION
N.T.S.



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.

ISSUED FOR TENDER
NOT FOR CONSTRUCTION

HALF SIZE

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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
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Consultant's Name Nom de l'expert-conseil	McElhanney
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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
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Drawing title/Titre du dessin	POST INSTALLATION DETAILS AND TYPICAL SECTION
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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	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
568-01		D05

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