



Public Works And
Government Services
Canada
Western Region

Travaux publics et
Services gouvernementaux
Canada
Région de l'Ouest

for

pour

Parks Canada Agency

Agence Parcs Canada



Consultant's Name Nom de l'expert-conseil PERMIT TO PRACTICE Wood Environmental Infrastructure Solutions Signature: [Signature] Date: 28 April 2021 PERMIT NUMBER: P-04546 The Association of Professional Engineers and Geoscientists of Alberta	Eng. Stamp Sceau de l'ingénieur
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Revision/	Description/Description	Date/Date
C	ISSUED FOR TENDER	21/04/20
B	ISSUED FOR 99% REVIEW	21/01/15
A	ISSUED FOR 96% REVIEW	17/04/07

Client/client

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

Canada

WATERTON LAKES NATIONAL PARK

Project title/Titre du projet
WATERTON TOWNSITE
MUNICIPAL INFRASTRUCTURE
UPGRADES
PHASE D&E ADDITIONS
WATERTON LAKES NATIONAL PARK
ALBERTA

Approved by/Approve par
J. LOBBEZOO

Designed by/Concept par
A. ZAIDI

Drawn by/Dessine par
B. JOHNSON

PWSC Project Manager/Administrateur de Projets TPSC
M. BURKE

PWSC, Architectural and Engineering Resources Manager/
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Client/client
J. LAMBE

Drawing title/Titre du dessin
COVER SHEET

Project No./No. du projet R.075721.001	Sheet/Feuille C-500 OF 7	Revision no./La Révision no. C
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Sheet List Table		
Sheet Number	Sheet Title	Description
C500	Cover Sheet	
C501	Project Site Plan, List of Drawings & Control points	
C502	Surface Improvements - Alley 6	Plan and Profile Sta. 4+050 to Sta. 4+150
C503	Surface Improvements - Marina Parking Lot	Plan and Profile Sta. 1+000 to Sta. 1+055
C504	Surface Improvements - Mt View Rd Pathway	Plan and Profile Sta. 0+007 to Sta. 0+062
C505	Surface Improvements - Ramps	Mt. View Rd., Waterton Ave. & Evergreen Ave.
C506	Details - Miscellaneous	
C507	Details - Garden	

WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES PHASE D&E ADDITIONS

ISSUED FOR TENDER
APRIL 2021

PROJECT No. PJNM

LEGEND

▲ CP486 SURVEY CONTROL POINT



Consultant's Name
Nom de l'expert-conseil

PERMIT TO PRACTICE
Wood Environmental Infrastructure Solutions
Signature: [Signature]
Date: 28 April 2021
PERMIT NUMBER: P-04546
The Association of Professional Engineers and Geoscientists of Alberta

Eng. Stamp
Sceau de l'ingénieur

Revision/	Description/Description	Date/Date
C	ISSUED FOR TENDER	21/04/20
B	ISSUED FOR 90% REVIEW	21/01/15
A	ISSUED FOR 66% REVIEW	20/11/01

Client/client

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



Project title/Titre du projet
WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES
PHASE D&E ADDITIONS
WATERTON LAKES NATIONAL PARK ALBERTA

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M. BURKE

PWGS, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSC

Client/client
J. LAMBE

Drawing title/Titre du dessin
PROJECT SITE PLAN LIST OF DRAWINGS CONTROL POINTS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.075721.001	C501	C
	OF 7	

PROJECT LOCATION RAMP SHEET C505

PROJECT LOCATION MT VIEW RD PATHWAY SHEET C504

PROJECT LOCATION MARINA PARKING LOT SHEET C503

PROJECT LOCATION RAMP SHEET C505

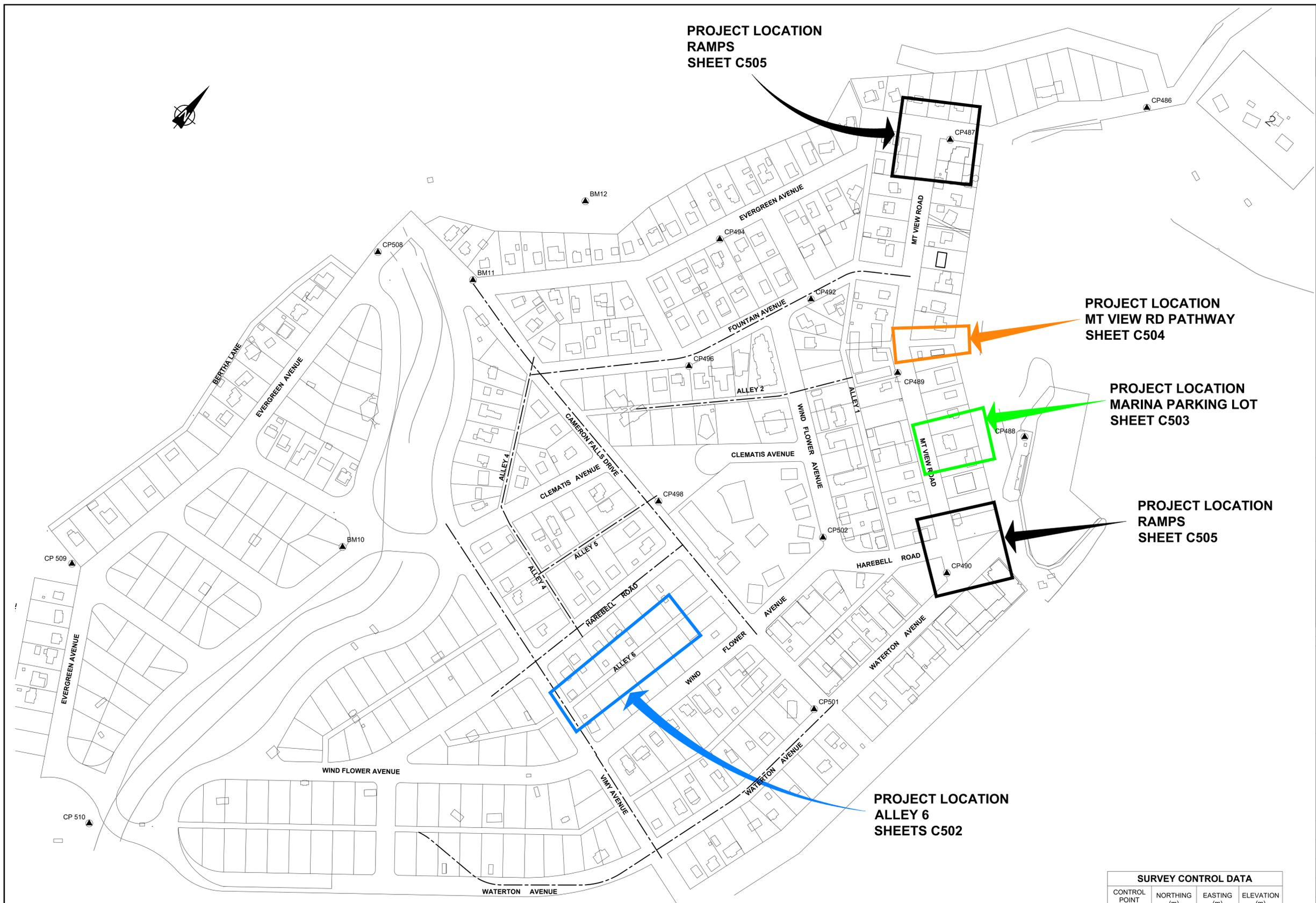
PROJECT LOCATION ALLEY 6 SHEETS C502

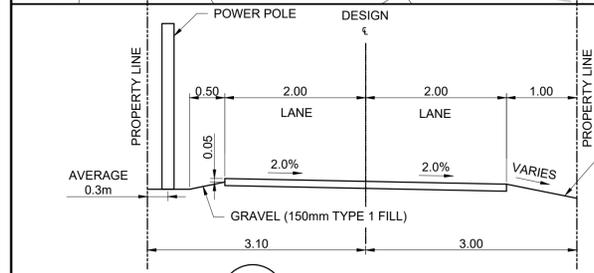
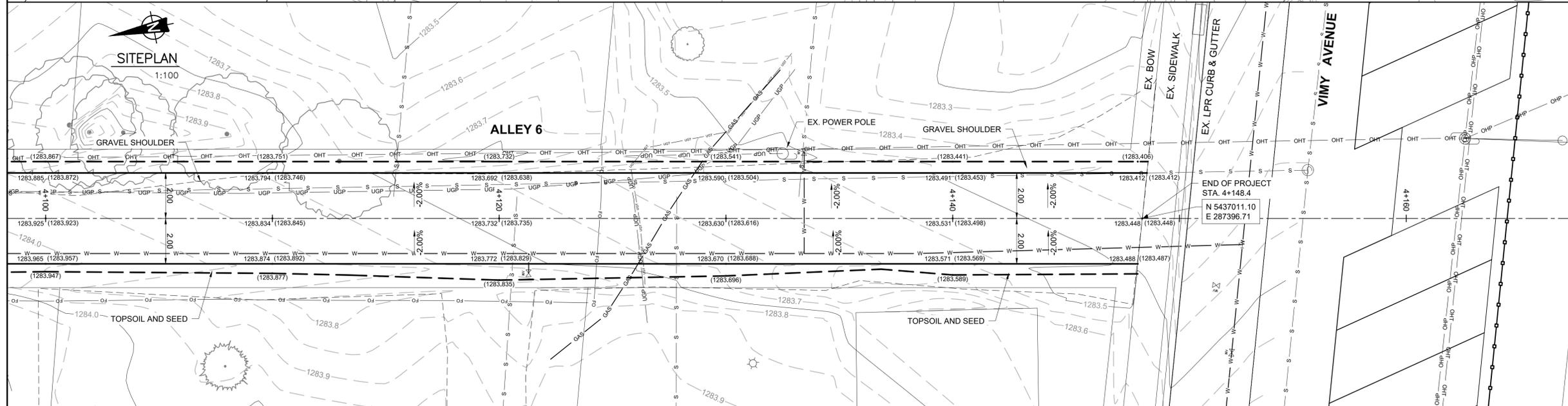
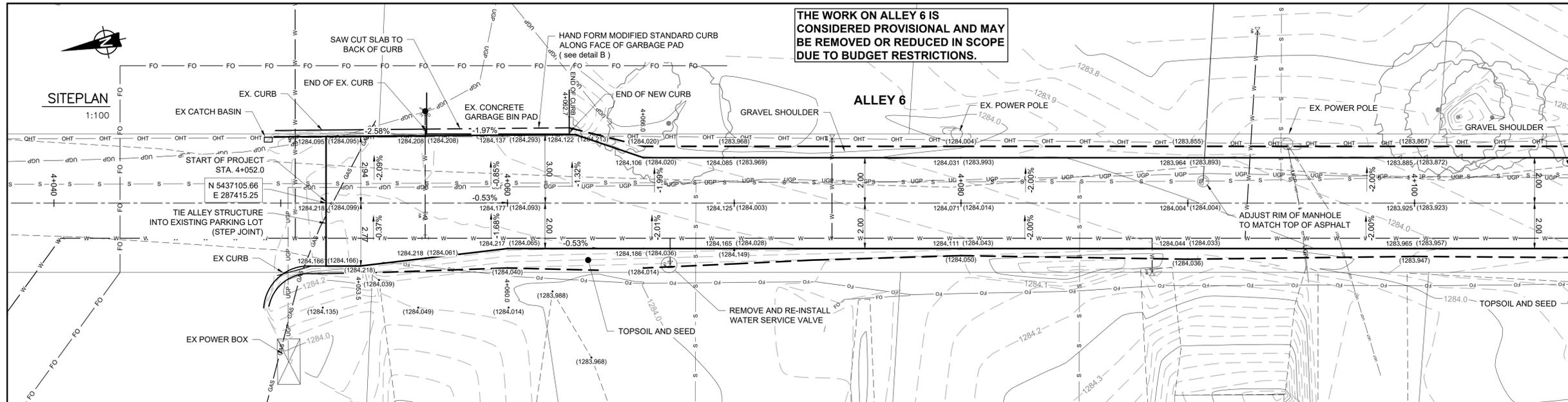
NOTES

1) ALL COORDINATES GIVEN ON THESE DRAWINGS ARE GRID COORDINATES BASED ON UTM ZONE 12 NORTH, NAD83.

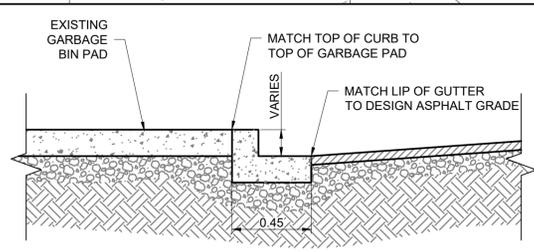
SURVEY CONTROL DATA

CONTROL POINT NUMBER	NORTHING (m)	EASTING (m)	ELEVATION (m)
CP486	5437883.683	287457.628	1281.785
CP488	5437535.350	287581.659	1280.556
CP489	5437500.964	287435.617	1283.019
CP492	5437501.474	287315.966	1284.708
CP508	5437246.008	286934.070	1292.883
CP510	5436589.677	287087324	1281.344

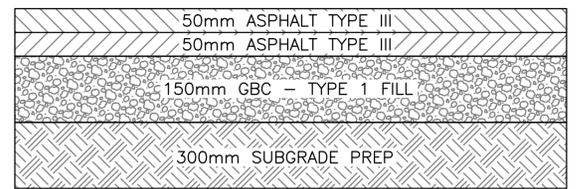




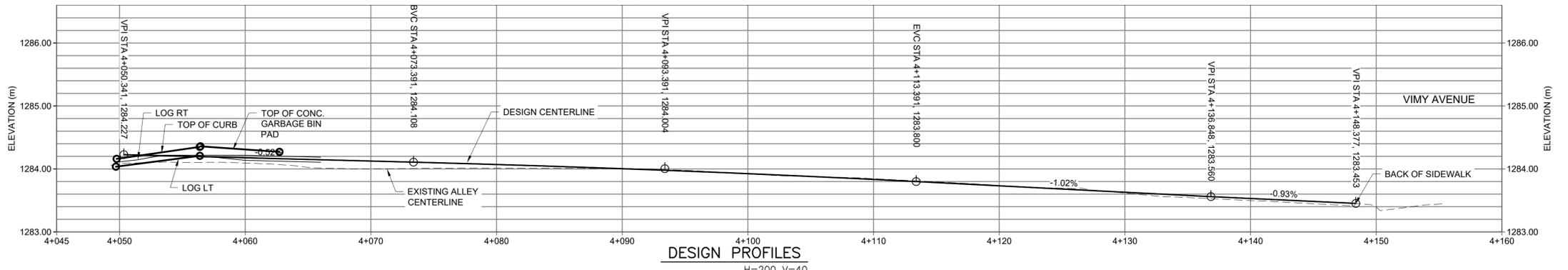
A TYPICAL SECTION
1:50



B HAND FORMED CURB DETAIL
N.T.S.



C PAVEMENT STRUCTURE
N.T.S.



DESIGN PROFILES
H=200 V=40

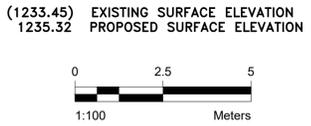
Public Works and Government Services
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

NOTES:
1. FORTIS HIGH VOLTAGE LINE WILL REQUIRE FORTIS APPROVED HYDRO-VAC OPERATOR.

LEGEND

- W WATER LINE
- S SANITARY SEWER LINE
- UGP UNDERGROUND POWER
- OHT OVERHEAD TELEPHONE
- UGT UNDERGROUND TELEPHONE
- FO FIBRE OPTIC LINE
- GAS GAS LINE



wood

Consultant's Name
Nom de l'expert-conseil

PERMIT TO PRACTICE
Wood Environmental Infrastructure Solutions
Signature: [Signature]
Date: 26 April 2011
PERMIT NUMBER: P-04546
The Association of Professional Engineers and Geoscientists of Alberta

Eng. Stamp
Sceau de l'ingénieur

Revision/	Description/Description	Date/Date
C	ISSUED FOR TENDER	210426
B	ISSUED FOR 90% REVIEW	210115
A	ISSUED FOR 60% REVIEW	201201

Client/client

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

Canada

Project title/Titre du projet
WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES
PHASE D&E ADDITIONS
WATERTON LAKES NATIONAL PARK ALBERTA

Approved by/Approve par
A. ZAIDI

Designed by/Concept par
B. JOHNSON

PWGSC Project Manager/Administrateur de Projets TPSCG
M. BURKE

PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSCG
J. LAMBE

Client/client
J. LAMBE

Drawing title/Titre du dessin
SURFACE IMPROVEMENTS ALLEY 6 PLAN AND PROFILE STA. 4+050 TO STA. 4+150

Project No./No. du projet
R.075721.001

Sheet/Fauille
C502
OF 7

Revision no./La Révision no.
C

LEGEND

— W —	WATER LINE
— S —	SANITARY SEWER LINE
— UGP —	UNDERGROUND POWER
— OHT —	OVERHEAD TELEPHONE
— UGT —	UNDERGROUND TELEPHONE
— FO —	FIBRE OPTIC LINE
— GAS —	GAS LINE

(1233.45) EXISTING SURFACE ELEVATION
1235.32 PROPOSED SURFACE ELEVATION



Consultant's Name / Nom de l'expert-conseil Wood Environmental Infrastructure Solutions	Eng. Stamp / Scellé de l'ingénieur Socou de l'ingénieur
PERMIT TO PRACTICE Signature: [Signature] Date: 26 April 2021 PERMIT NUMBER: P-04546 The Association of Professional Engineers and Geoscientists of Alberta	[Professional Seal]

Revision/ Révision	Description/Description	Date/Date
C	ISSUED FOR TENDER	210426
B	ISSUED FOR 90% REVIEW	210115
A	ISSUED FOR 60% REVIEW	201101

Client/client Parks Canada / Agence Parcs Canada	Western and Northern Region / Ouest et Nord du Canada
---	---

Canada

Project title/Titre du projet
WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES
PHASE D&E ADDITIONS
WATERTON LAKES NATIONAL PARK ALBERTA

Approved by/Approve par
J. LOBBEZOO

Designed by/Concept par
A. ZAIDI

Drawn by/Dessiné par
B. JOHNSON

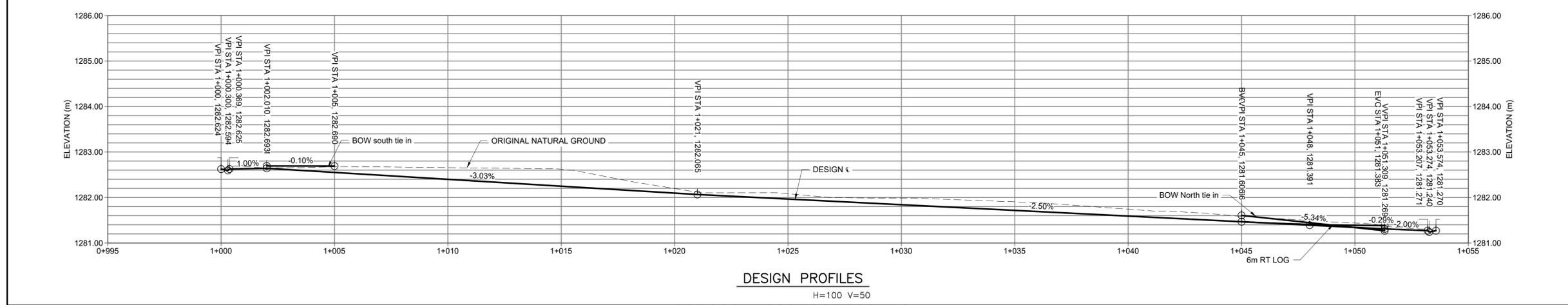
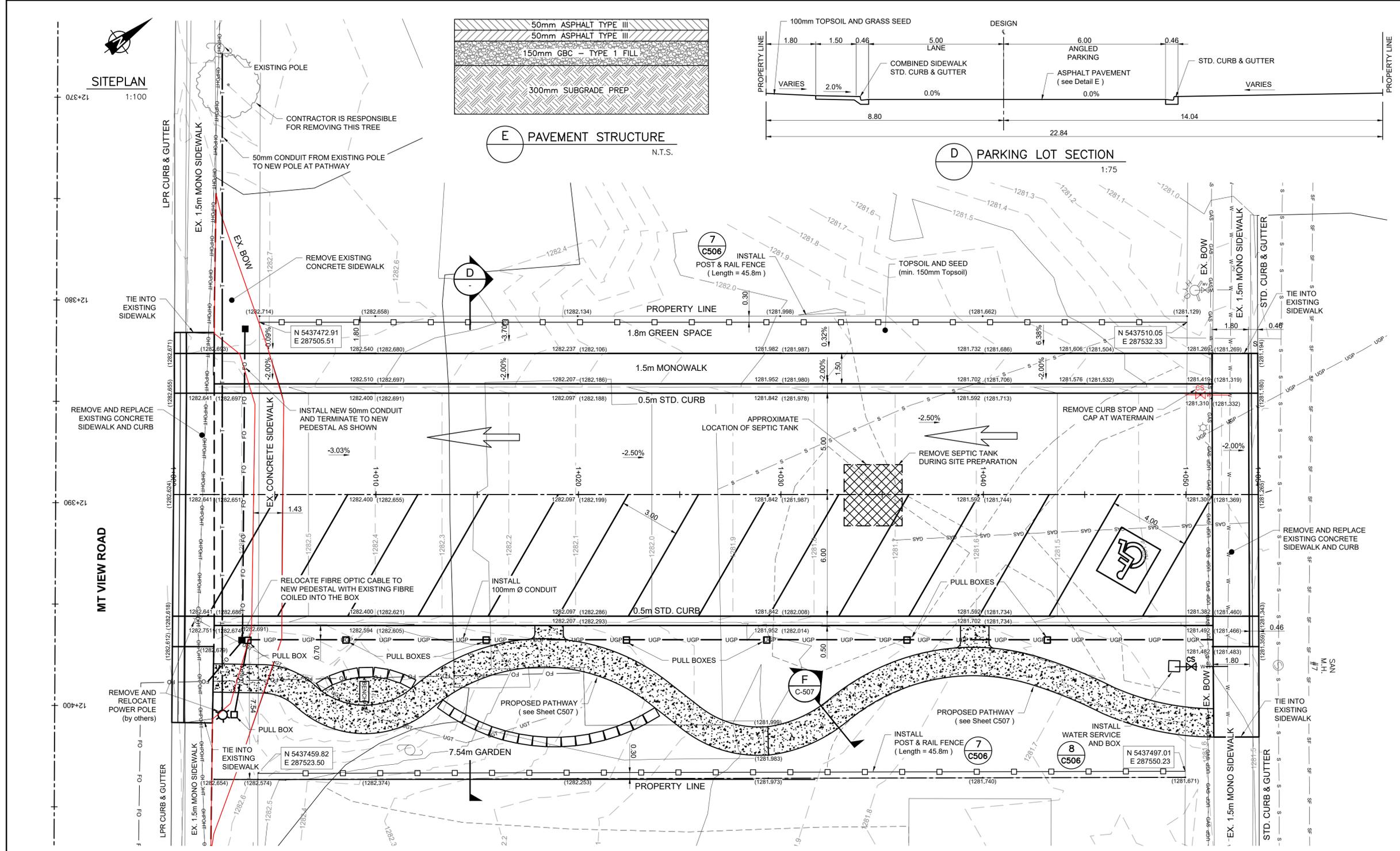
PWGSC Project Manager/Administrateur de Projets TP5GC
M. BURKE

PWGSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, TP5GC
J. LAMBE

Client/client
J. LAMBE

Drawing title/Titre du dessin
SURFACE IMPROVEMENTS MARINA PARKING LOT PLAN AND PROFILE
STA. 1+000 TO STA. 1+055

Project No./No. du projet R.075721.001	Sheet/Fauille C503 OF 7	Revision no./Révision no. C
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NOTES:
1. CONCRETE TO BE COLORED "REDROCK RED"
SAWCUT AT EVERY 1.5m

- LEGEND**
- W — WATER LINE
 - S — SANITARY SEWER LINE
 - UGP — UNDERGROUND POWER
 - OHT — OVERHEAD TELEPHONE
 - UGT — UNDERGROUND TELEPHONE
 - FO — FIBRE OPTIC LINE
 - GAS — GAS LINE

(1233.45) EXISTING SURFACE ELEVATION
1235.32 PROPOSED SURFACE ELEVATION



wood

Consultant's Name / Nom de l'expert-conseil: Wood Environmental Infrastructure Solutions
 Eng. Stamp / Sceau de l'ingénieur: [Stamp]
 Signature: [Signature]
 Date: 26 April 2021
 PERMIT NUMBER: P-04546
 The Association of Professional Engineers and Geoscientists of Alberta

Revision/	Description/Description	Date/Date
C	ISSUED FOR TENDER	21/04/20
B	ISSUED FOR 95% REVIEW	21/01/15
A	ISSUED FOR 65% REVIEW	20/11/01

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

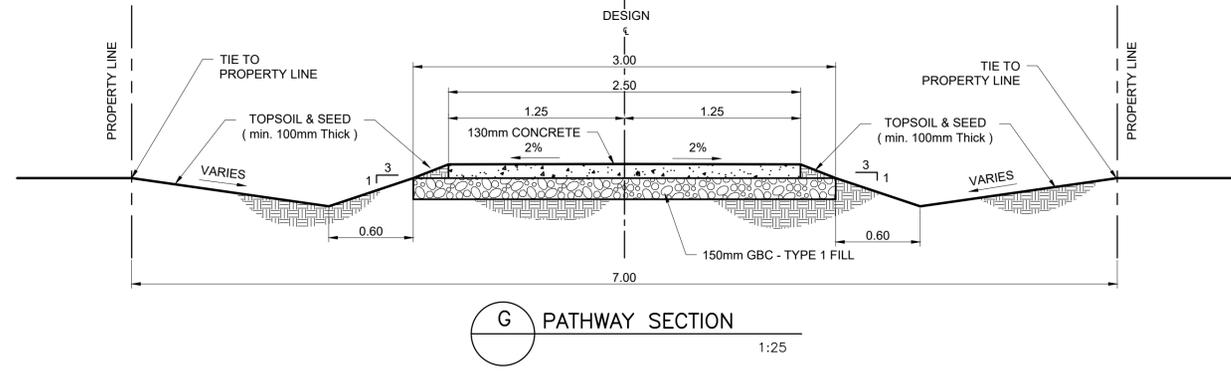
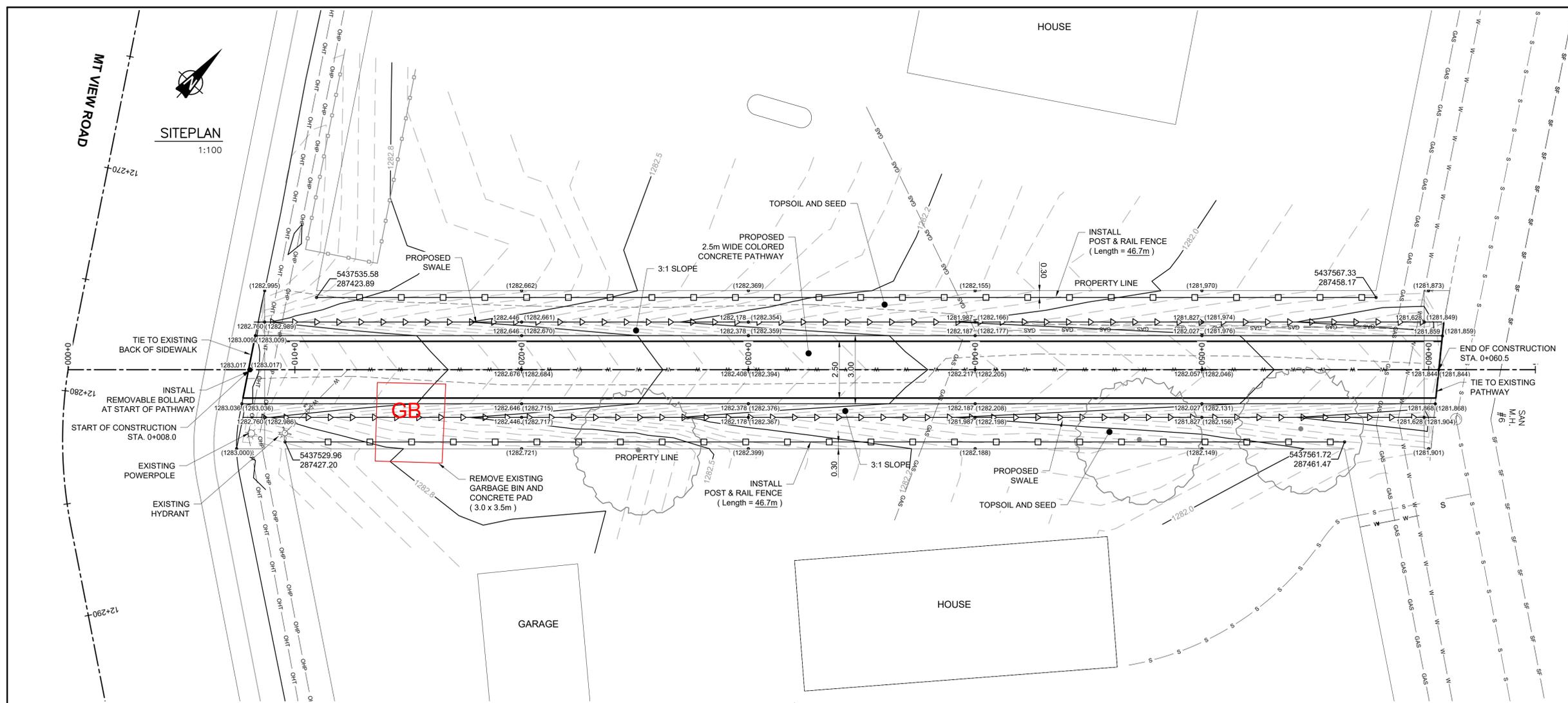
Canada

Project title/Titre du projet:
WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES
 PHASE D&E ADDITIONS
 WATERTON LAKES NATIONAL PARK
 ALBERTA

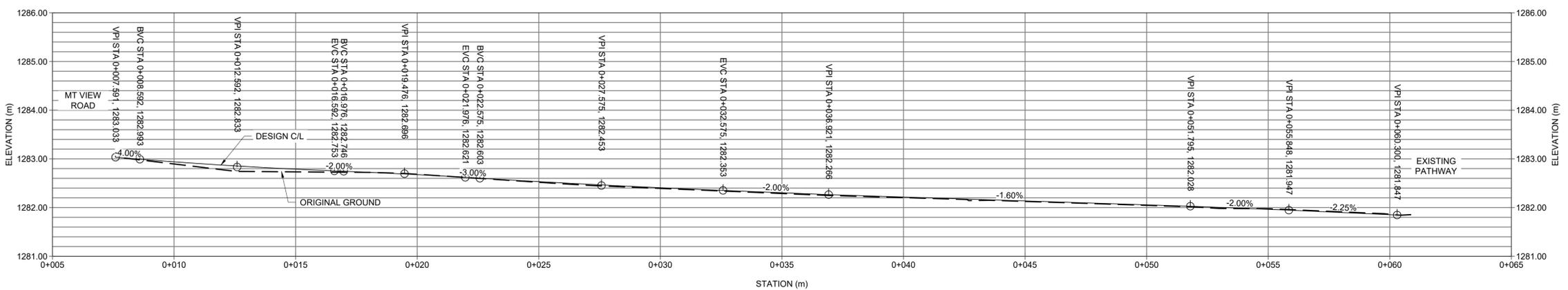
Approved by/Approve par: J. LOBBEZOO
 Designed by/Conçue par: A. ZADI
 Drawn by/Dessiné par: B. JOHNSON
 PWGSC Project Manager/Administrateur de Projets TPSCG: M. BURKE
 PWGSC, Architectural and Engineering Resources Manager/ Ressources Architecturales et de Directeur d'ingénierie, TPSCG: J. LAMBE

Drawing title/Titre du dessin:
SURFACE IMPROVEMENTS
MT VIEW ROAD PATHWAY
PLAN AND PROFILE
STA. 0+007 TO STA. 0+062

Project No./No. du projet: R.075721.001	Sheet/Fauille: C504 OF 7	Revision no./La Révision no.: C
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G PATHWAY SECTION
1:25



DESIGN PROFILES
H=100 V=50

NOTES:
1. PROVIDE STRAIGHT SAWCUTS FOR ALL SIDEWALK AND CURB REMOVALS.

LEGEND

W	WATER LINE
S	SANITARY SEWER LINE
UGP	UNDERGROUND POWER
OHT	OVERHEAD TELEPHONE
UGT	UNDERGROUND TELEPHONE
FO	FIBRE OPTIC LINE
GAS	GAS LINE

(1233.45) EXISTING SURFACE ELEVATION
1235.32 PROPOSED SURFACE ELEVATION



Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
PERMIT TO PRACTICE Wood Environmental Infrastructure Solutions Signature: [Signature] Date: 26 April 2011 PERMIT NUMBER: P-04546 The Association of Professional Engineers and Geoscientists of Alberta	[Professional Engineer Stamp]

Revision/	Description/Description	Date/Date
C	ISSUED FOR TENDER	21/04/26
B	ISSUED FOR 95% REVIEW	21/01/15
A	ISSUED FOR 65% REVIEW	20/11/01

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



Project title/Titre du projet
WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES
PHASE D&E ADDITIONS
WATERTON LAKES NATIONAL PARK
ALBERTA

Approved by/Approve par
J. LOBBEZOO

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A. ZAIDI

Drawn by/Dessiné par
B. JOHNSON

PWGSC Project Manager/Administrateur de Projets TP5GC
M. BURKE

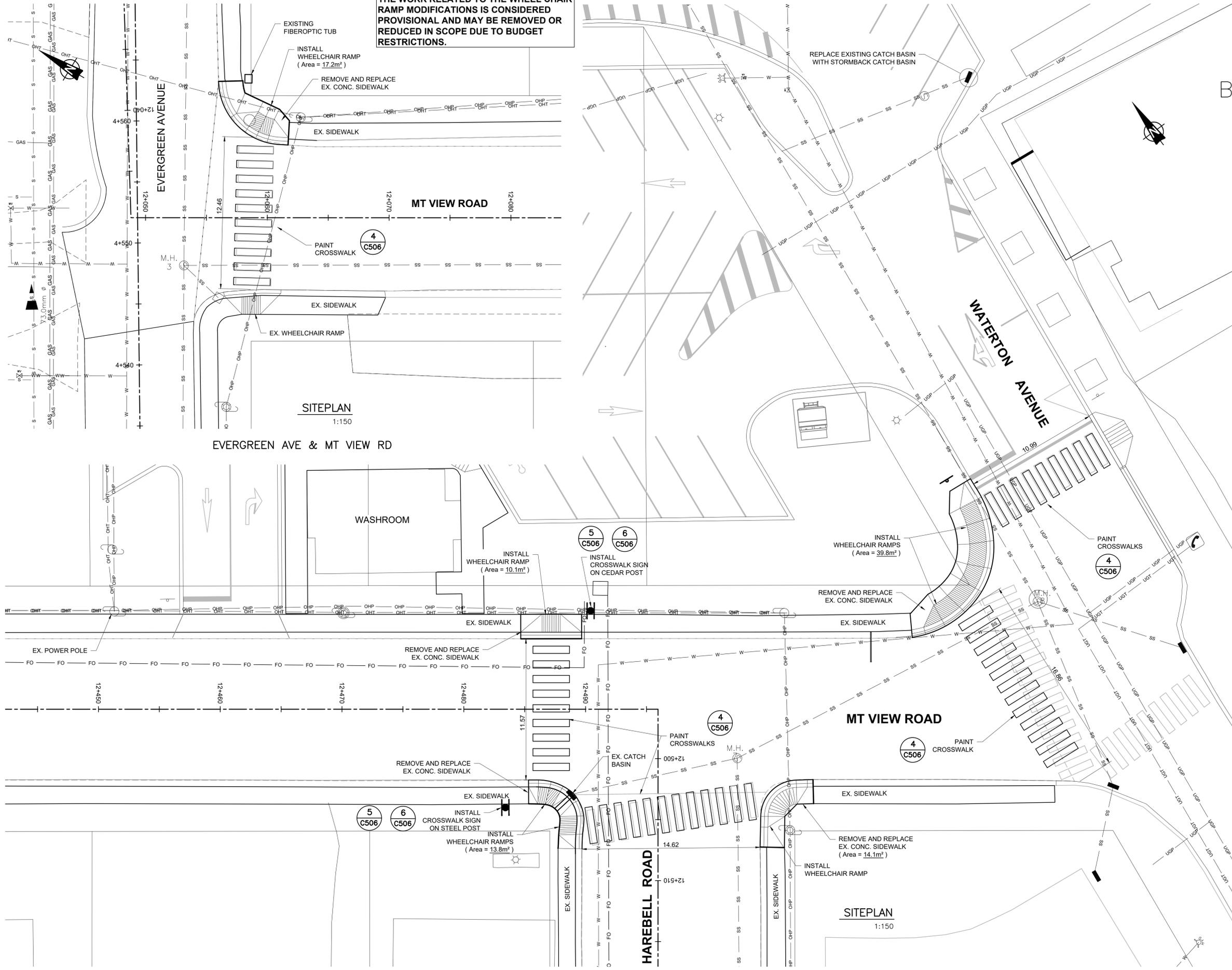
PWGSC, Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'ingénierie, TP5GC

Client/client
J. LAMBE

Drawing title/Titre du dessin
SURFACE IMPROVEMENTS RAMP
MT VIEW RD & EVERGREEN AVE
MT VIEW RD & WATERTON AVE

Project No./No. du projet R.075721.001	Sheet/Feuille C505 OF 7	Revision no./La Révision no. C
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THE WORK RELATED TO THE WHEEL CHAIR RAMP MODIFICATIONS IS CONSIDERED PROVISIONAL AND MAY BE REMOVED OR REDUCED IN SCOPE DUE TO BUDGET RESTRICTIONS.



SITEPLAN
1:150

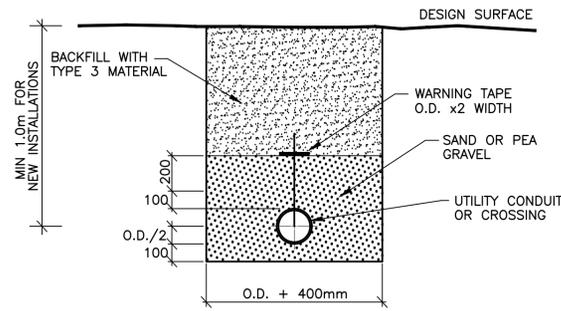
EVERGREEN AVE & MT VIEW RD

MT VIEW ROAD

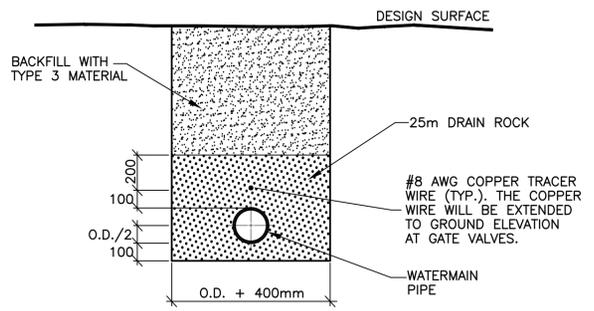
SITEPLAN
1:150

MT VIEW RD, HAREBELL RD & WATERTON AVE

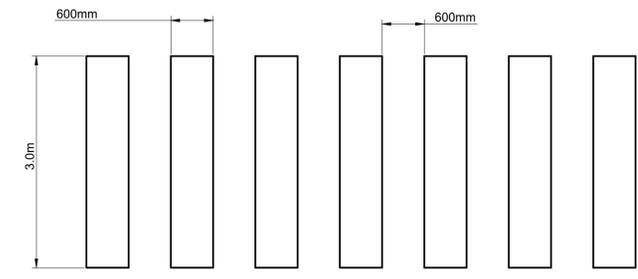




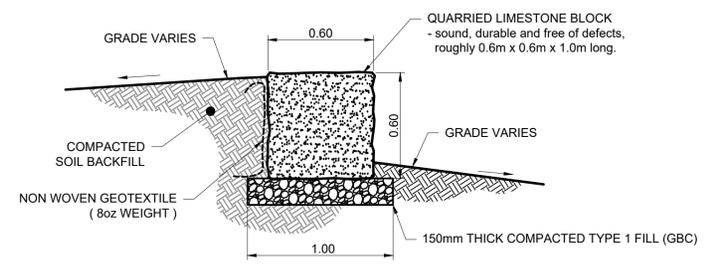
1 UTILITY BACKFILL TRENCH DETAIL
N.T.S.



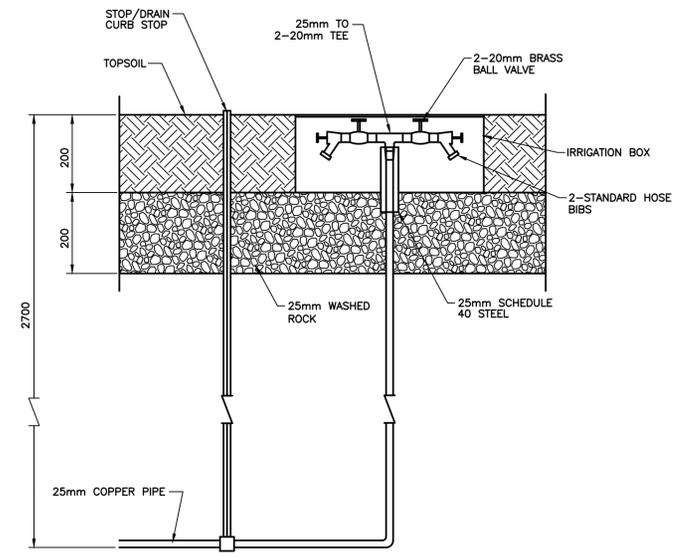
2 WATER LINE AND WATER SERVICE TRENCH DETAIL
N.T.S.



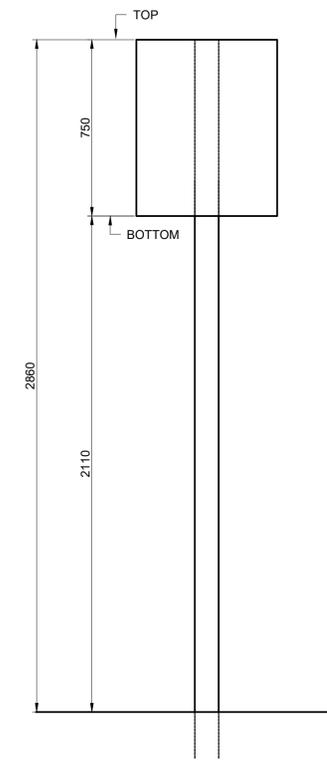
4 ZEBRA CROSSWALK DETAIL
N.T.S.



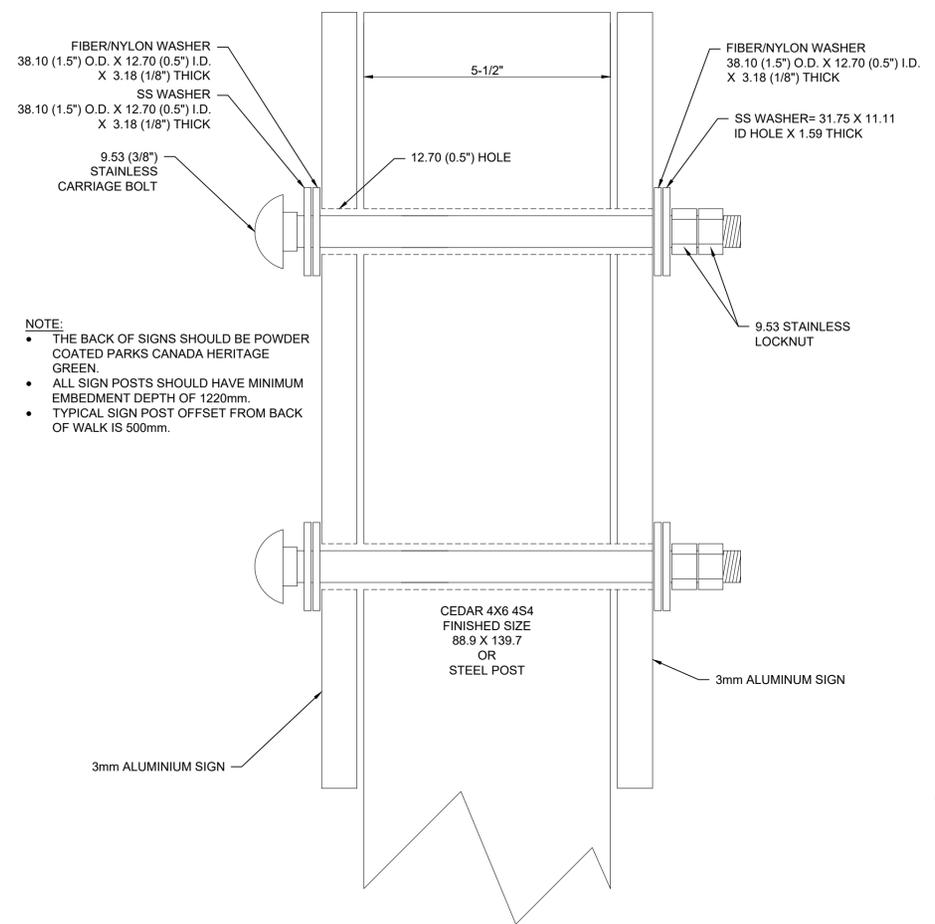
3 RETAINING WALL DETAIL
N.T.S.



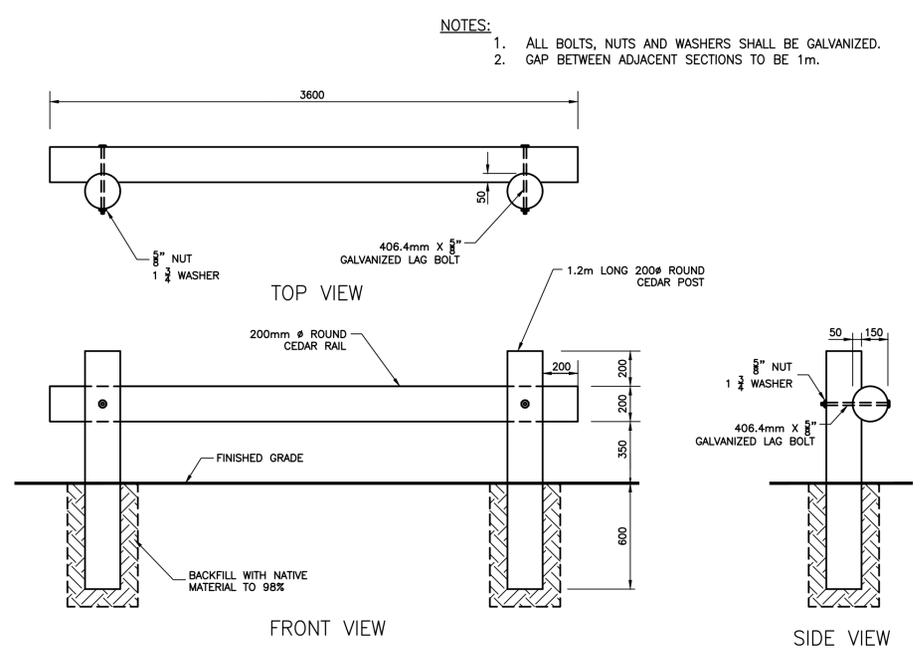
8 WATER SERVICE AND BOX DETAIL
N.T.S.



5 TYPICAL MOUNTING DETAIL
N.T.S.



6 SIGN ASSEMBLY DETAIL
N.T.S.



7 POST AND FENCE DETAIL
N.T.S.

wood

Consultant's Name / Nom de l'expert-conseil: PERMIT TO PRACTICE
Wood Environmental Infrastructure Solutions
Signature: [Signature]
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The Association of Professional Engineers and Geoscientists of Alberta

Eng. Stamp / Sceau de l'ingénieur: [Stamp]

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

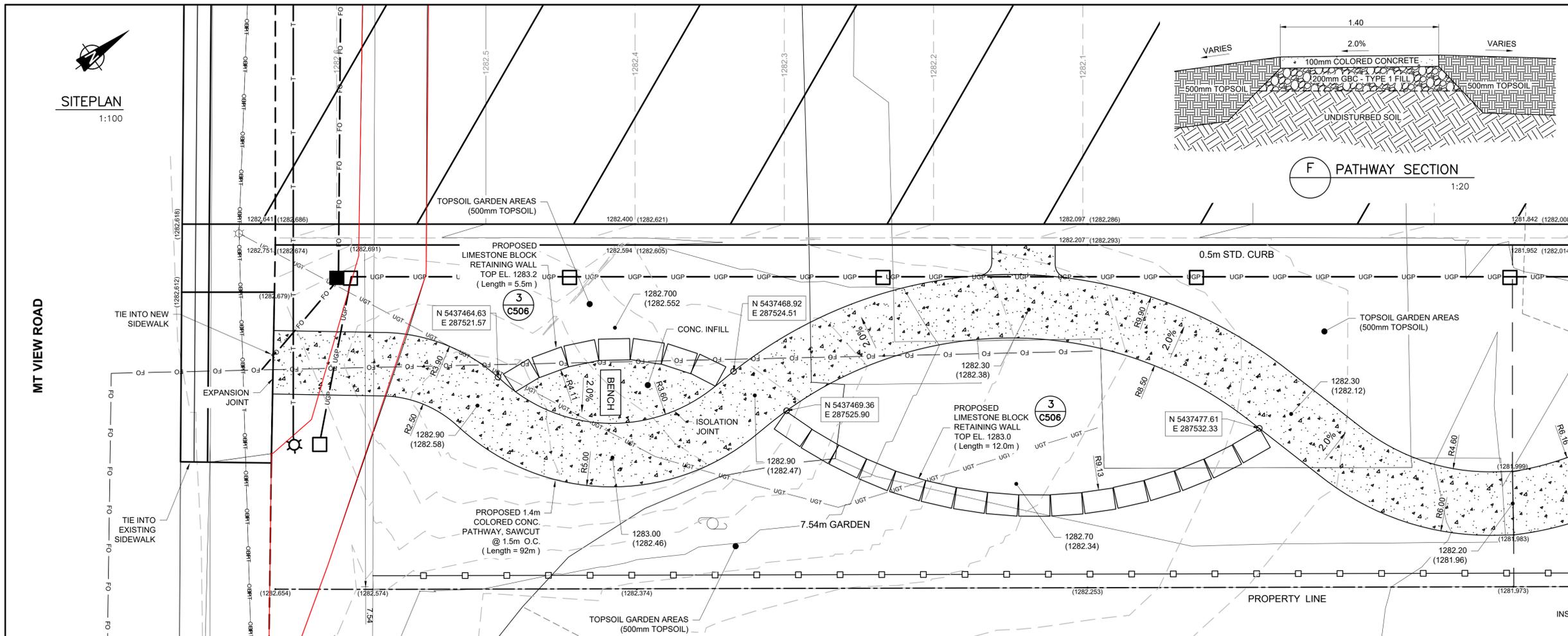
Canada

Project title/Titre du projet:
WATERTON TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES
PHASE D&E ADDITIONS
WATERTON LAKES NATIONAL PARK ALBERTA

Approved by/Approve par: J. LOBBEZOO
Designed by/Concepé par: A. ZAIDI
Drawn by/Dessiné par: B. JOHNSON
PWGSC Project Manager/Administrateur de Projets TPSCG: M. BURKE
PWGSC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, TPSCG: J. LAMBE

Drawing title/Titre du dessin:
DETAILS MISCELLANEOUS

Project No./No. du projet: R.075721.001	Sheet/Fauille: C506 OF 7	Revision no./La Révision no.: C
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LEGEND

— W —	WATER LINE
— S —	SANITARY SEWER LINE
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— OHT —	OVERHEAD TELEPHONE
— UGT —	UNDERGROUND TELEPHONE
— FO —	FIBRE OPTIC LINE
— GAS —	GAS LINE

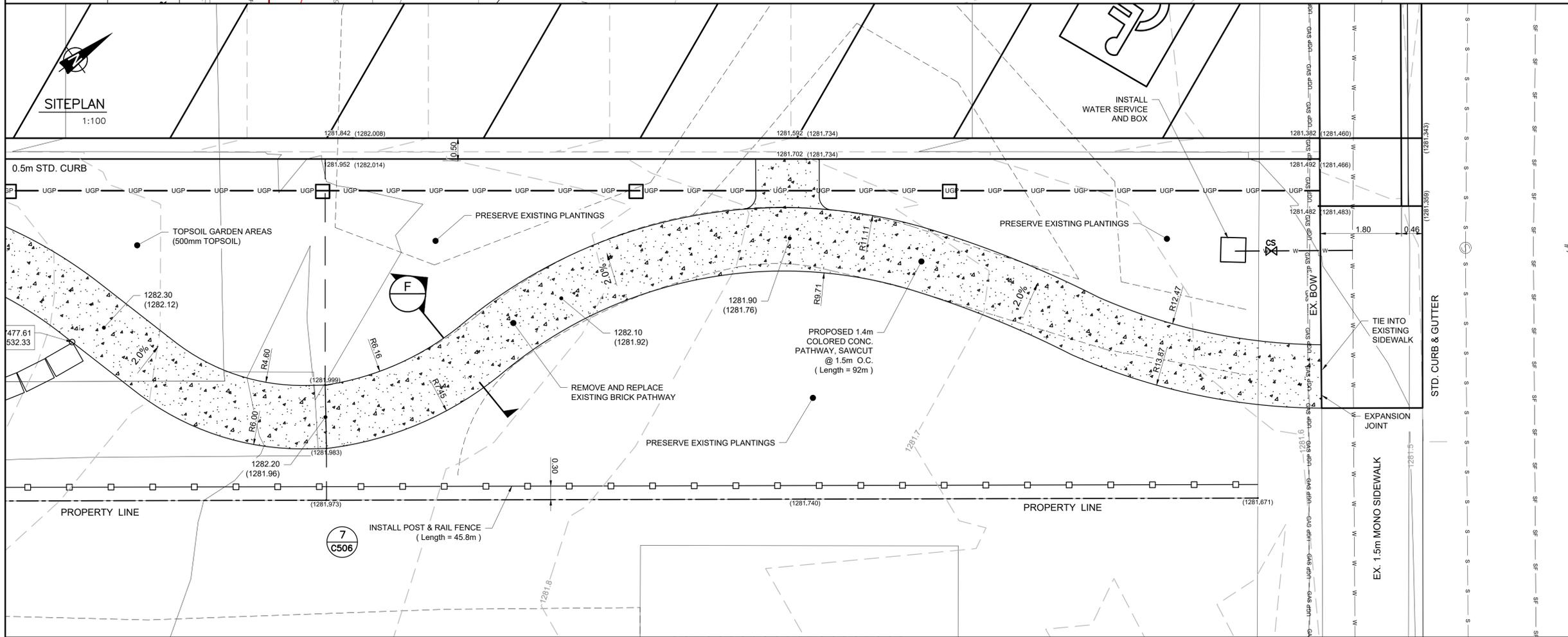
(1233.45) EXISTING SURFACE ELEVATION
 1235.32 PROPOSED SURFACE ELEVATION



wood

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

PERMIT TO PRACTICE
 Wood Environmental Infrastructure Solutions
 Signature: [Signature]
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 Parks Canada / L'Agence Parcs Canada
 Western and Northern Region / Ouest et Nord du Canada

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 PWGSC, Architectural and Engineering Resources Manager/
 Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client
 J. LAMBE
 Drawing title/Titre du dessin
DETAILS GARDEN

Project No./No. du projet R.075721.001	Sheet/Fauille C507 OF 7	Revision no./La Révision no. C
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