

PROTECTION MOUNTAIN CAMPGROUND DESIGN

CONTRACT DOCUMENTS

LANDSCAPE ARCHITECTURE ISSUED FOR TENDER

LANDSCAPE ARCHITECT:
O2 PLANNING + DESIGN INC.

CLIENT:
PARKS CANADA AGENCY

LANDSCAPE ARCHITECTURE SHEET LIST

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No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
Linear dimensions in millimetres		Dimensions linéaires en millimètres		
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur		

 Parks Canada

 Parcs Canada

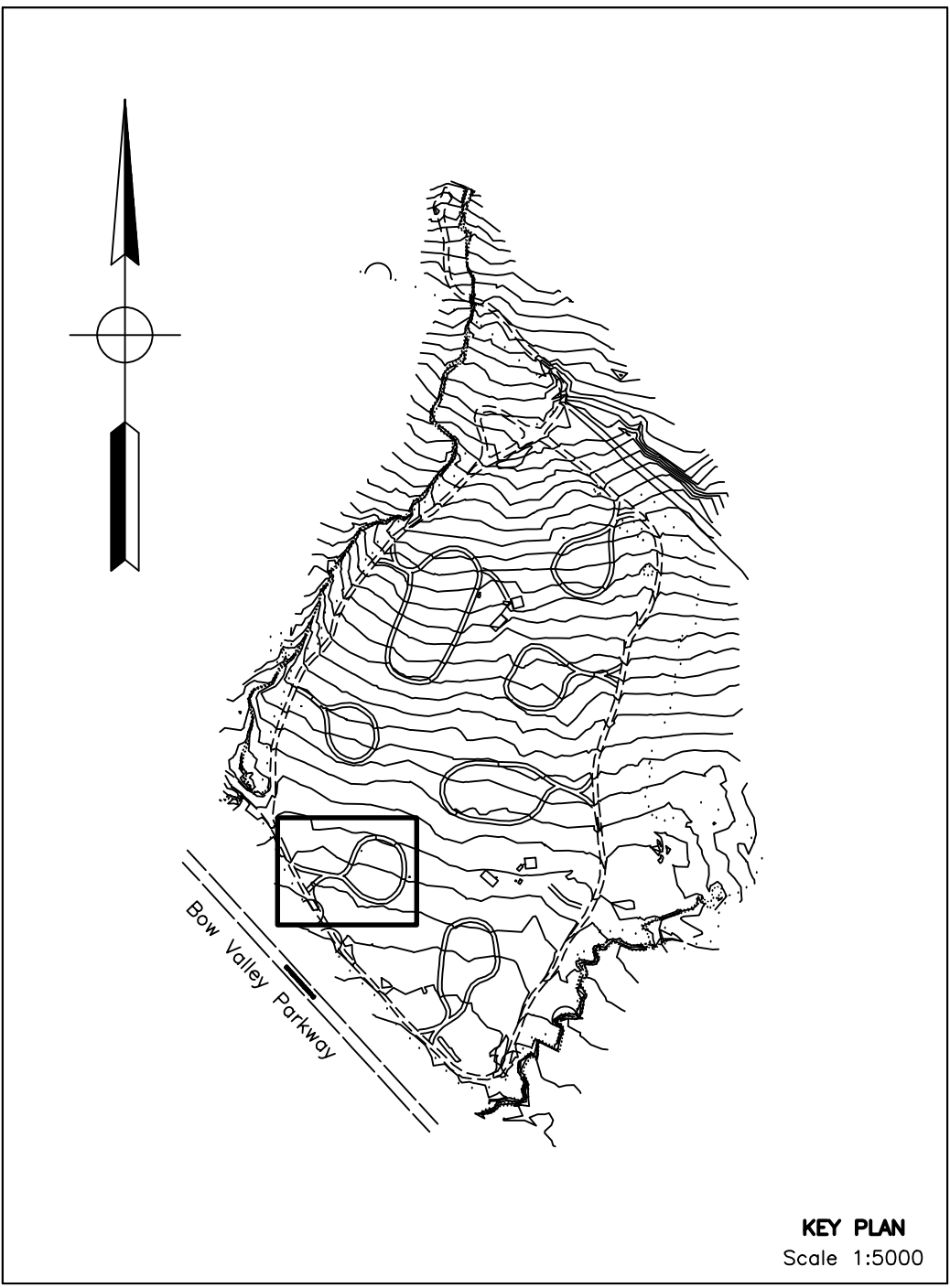
Canada



Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin
PROJECT INFO

Surveyed by/Arpenté par TRONNES SURVEYS	Drawn by/Dessiné par SH	Date 02/29/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle 1:2000
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nº de la feuille
Drawing Set No./Nº de série du dessin		L0.01



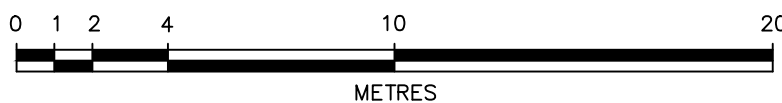
KEY PLAN
Scale 1:5000



BANFF NATIONAL PARK, ALBERTA









PLAN SHOWING SURVEY OF SITE PLAN AND ELEVATIONS OF PROTECTION MOUNTAIN CAMPGROUND DETAILING LOOP 'A'

SCALE: 1:200



BY: AZIZ M. DHARAMSHI, A.L.S., 2015

LEGEND

Distances shown are in metres and decimals thereof.
Distances shown on curved boundaries are Arc distances.
Elevations are derived from CSRS-PPP (V 1.05 34613) on point #1000, Elev: 1474.758
Bearings are Grid and derived from GPS observations.
The Coordinate System used for this plan is:
Datum — North American Datum 1983
Projection — Universal Transverse Mercator
Reference Meridian — Zone 11 North
Combined Factor — 0.999426
Elevations are shown thus: 
Stumps are shown thus: 
Power Poles are shown thus: 
Water Valves are shown thus: 
Signs are shown thus: 
Water Wells are shown thus: 
Power lines are shown thus: 
Contour lines are at 0.25m intervals and shown thus: 

ABBREVIATIONS

ASCM	Alberta Survey Control Marker	(R)	Radial Bearing
N.	North	R/W	Right-of-Way
S.	South	Re-est.	Re-established
E.	East	Res.	Restored
W.	West	Wit.	Witness
Sec.	Section	R	Radius
Twp.	Township	L	Arc Length
Rge.	Range	ha	Hectare
M.	Meridian	Ac.	Acre
Fd.	Found	Spk.	Spike
Pl.	Placed	DH	Drill Hole
I.	Iron Post	m	Metres
I.Bar	Iron Bar	B.O.C.	Back of Curb
Mk.	Mark	L.O.G.	Lip of Gutter
Mp.	Marker Post		
C.S.	Countersunk		

NOTES:
BARE GROUND AREA WITHIN 'LOOP A' CONTAINS 149 STUMPS; ATTRIBUTES CAN BE GATHERED
USING POINT NUMBERS SHOWN ON THIS PLAN, AND IN CONJUNCTION WITH THE RAW DATA
FILES, AS SUPPLIED.

The survey was performed on September 28th, 2015

Certified Correct this 23rd Day of October, 2015

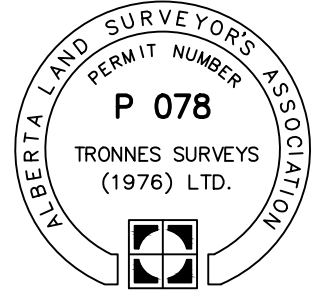
Alberta Land Surveyor

ADDRESS OF SITE

Bow Valley Parkway
Banff National Park, ALBERTA

REGISTERED OWNERS

Parks Canada Agency

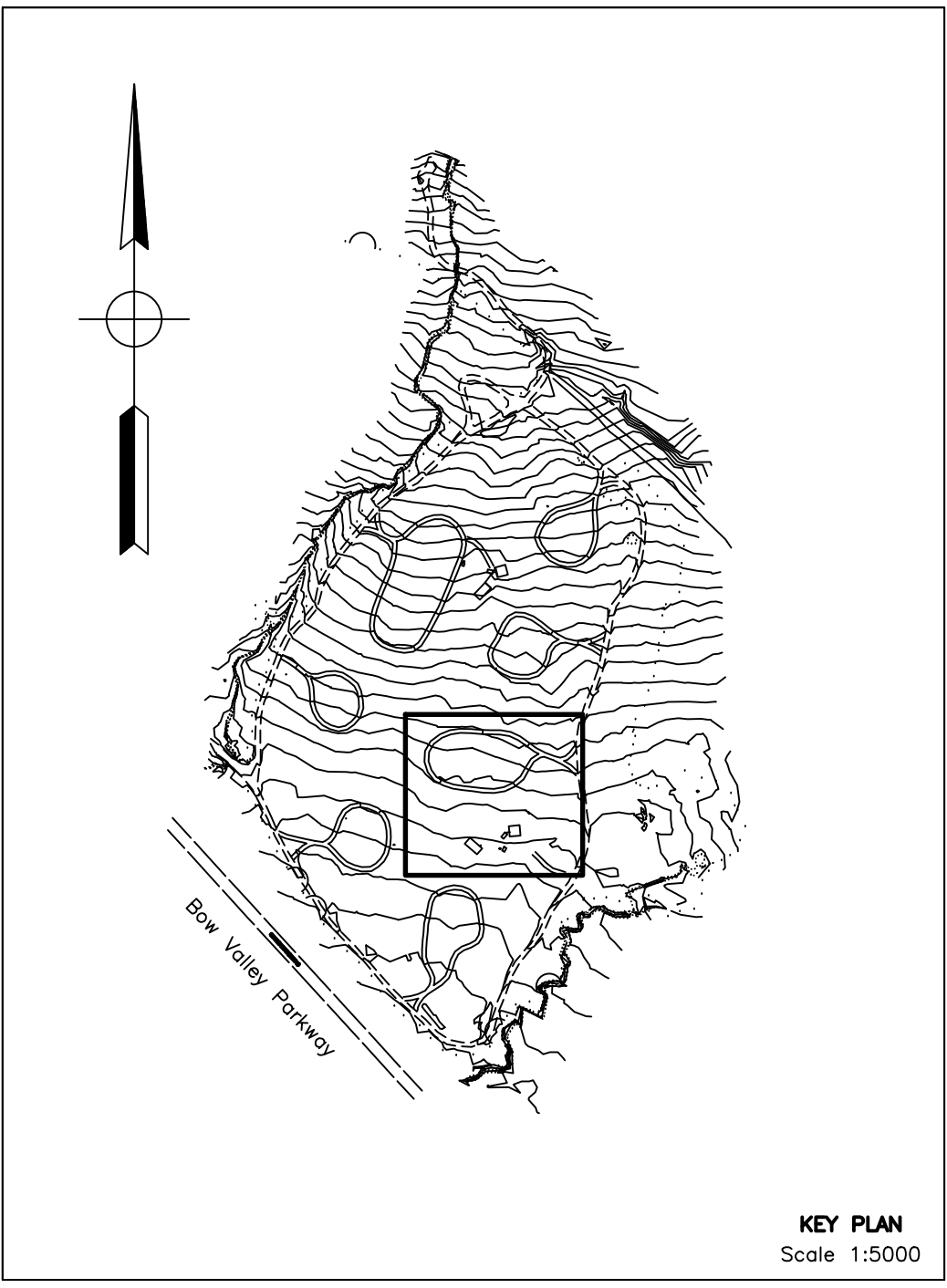


CAUTION — PRIOR TO ANY CONSTRUCTION
UNDERGROUND FACILITIES NEED TO BE
LOCATED BY:





TRONNES SURVEYS (1976) LTD. 6135 - 10th Street S.E., Calgary, Alberta T2H 2Z9; 403-207-0303; File: 15-1353



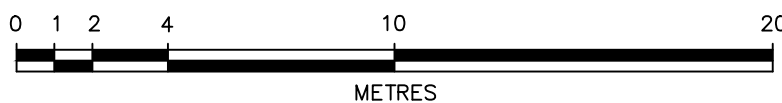
KEY PLAN
Scale 1:5000



BANFF NATIONAL PARK, ALBERTA

PLAN SHOWING SURVEY OF SITE PLAN AND ELEVATIONS OF PROTECTION MOUNTAIN CAMPGROUND DETAILING LOOP 'C' AND BUILDINGS

SCALE: 1:200



BY: AZIZ M. DHARAMSHI, A.L.S., 2015

LEGEND

Distances shown are in metres and decimals thereof.
Distances shown on curved boundaries are Arc distances.
Elevations are derived from CSRS-PPP (V 1.05 34613) on point #1000, Elev: 1474.758
Bearings are Grid and derived from GPS observations.
The Coordinate System used for this plan is:
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Water Valves are shown thus:
Signs are shown thus:
Water Wells are shown thus:
Power lines are shown thus:
Contour lines are at 0.25m intervals and shown thus:

ABBREVIATIONS

ASCM	Alberta Survey Control Marker	(R)	Radial Bearing
N.	North	R/W	Right-of-Way
S.	South	Re-est.	Re-established
E.	East	Res.	Restored
W.	West	Wit.	Witness
Sec.	Section	R	Radius
Twp.	Township	L	Arc Length
Rge.	Range	ha	Hectare
M.	Meridian	Ac.	Acre
Fd.	Found	Spk.	Spike
Pl.	Placed	DH	Drill Hole
I.	Iron Post	m	Metres
I.Bar	Iron Bar	B.O.C.	Back of Curb
Mk.	Mark	L.O.G.	Lip of Gutter
Mp.	Marker Post		
C.S.	Countersunk		

NOTES:
STUMP COUNT IN BARE GROUND AREA WITHIN 'LOOP C' WAS NOT SURVEYED.

The survey was performed on September 28th, 2015

Certified Correct this 23rd Day of October, 2015

Alberta Land Surveyor

ADDRESS OF SITE

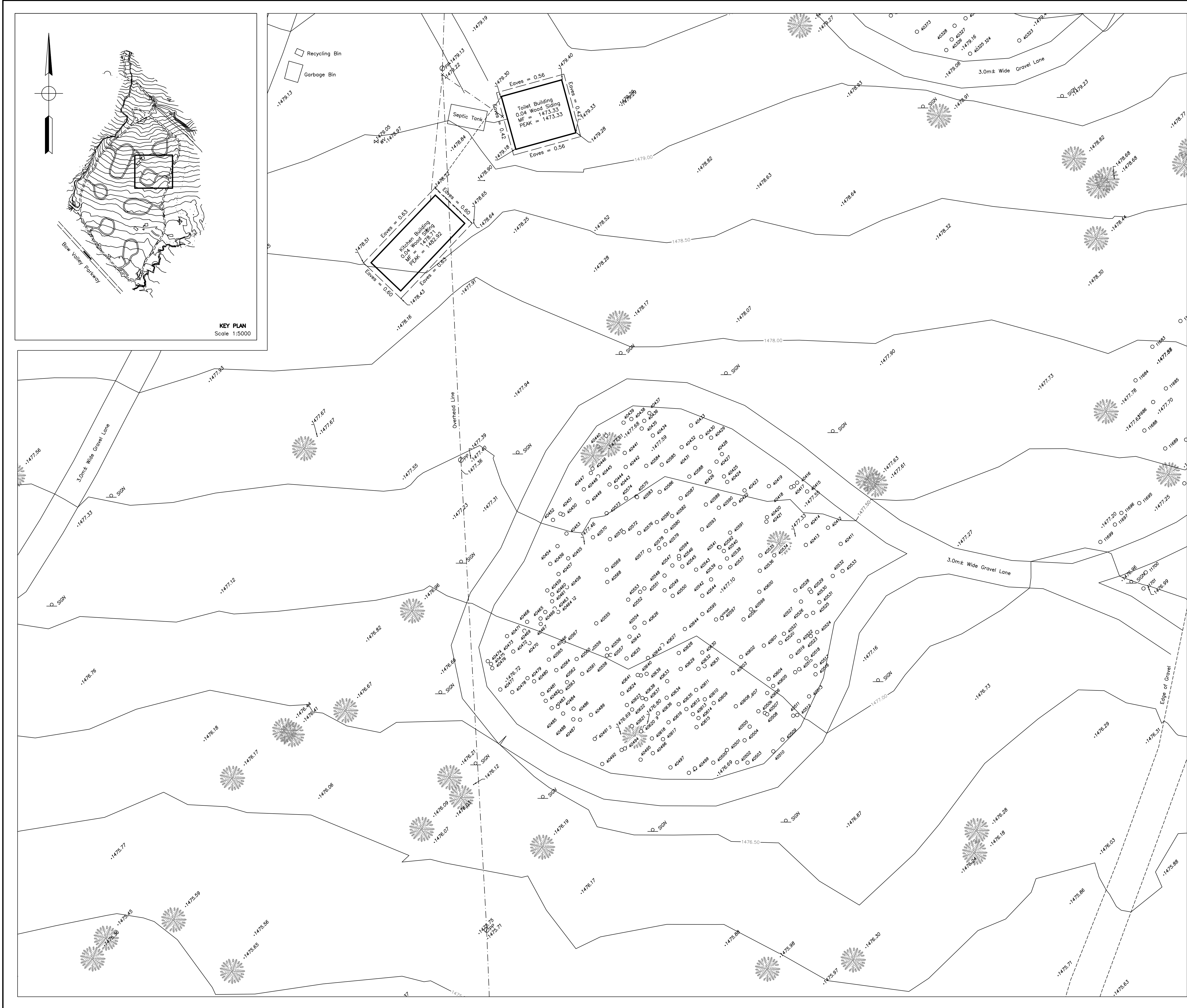
Bow Valley Parkway
Banff National Park, ALBERTA

REGISTERED OWNERS

Parks Canada Agency

CAUTION — PRIOR TO ANY CONSTRUCTION
UNDERGROUND FACILITIES NEED TO BE
LOCATED BY:





BANFF NATIONAL PARK, ALBERTA

PLAN SHOWING SURVEY OF SITE PLAN AND ELEVATIONS OF PROTECTION MOUNTAIN CAMPGROUND DETAILING LOOP 'D' AND BUILDINGS

SCALE: 1:200

BY: AZIZ M. DHARAMSHI, A.L.S., 2015

LEGEND

Distances shown are in metres and decimals thereof.
Distances shown on curved boundaries are Arc distances.
Elevations are derived from CSRS-PPP (V 1.05 34613) on point #1000, Elev: 1474.758
Bearings are Grid and derived from GPS observations.
The Coordinate System used for this plan is:
Datum - North American Datum 1983
Projection - Universal Transverse Mercator
Reference Meridian - Zone 11 North
Combined Factor - 0.999426
Elevations are shown thus:
Stumps are shown thus:
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Power lines are shown thus:
Contour lines are at 0.25m intervals and shown thus:

ABBREVIATIONS

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S.	South	Re-est.	Re-established
E.	East	Res.	Restored
W.	West	Wit.	Witness
Sec.	Section	R	Radius
Twp.	Township	L	Arc Length
Rge.	Range	ha	Hectare
M.	Meridian	Ac.	Acre
Fd.	Found	Spk.	Spike
Pl.	Placed	DH	Drill Hole
I.	Iron Post	m	Metres
I.Bar	Iron Bar	B.O.C.	Back of Curb
Mk.	Mark	L.O.G.	Lip of Gutter
Mp.	Marker Post		
C.S.	Countersunk		

NOTES:
BARE GROUND AREA WITHIN 'LOOP D' CONTAINS 234 STUMPS; ATTRIBUTES CAN BE GATHERED USING POINT NUMBERS SHOWN ON THIS PLAN, AND IN CONJUNCTION WITH THE RAW DATA FILES, AS SUPPLIED.

The survey was performed on September 28th, 2015

Certified Correct this 23rd Day of October, 2015

Alberta Land Surveyor

ADDRESS OF SITE

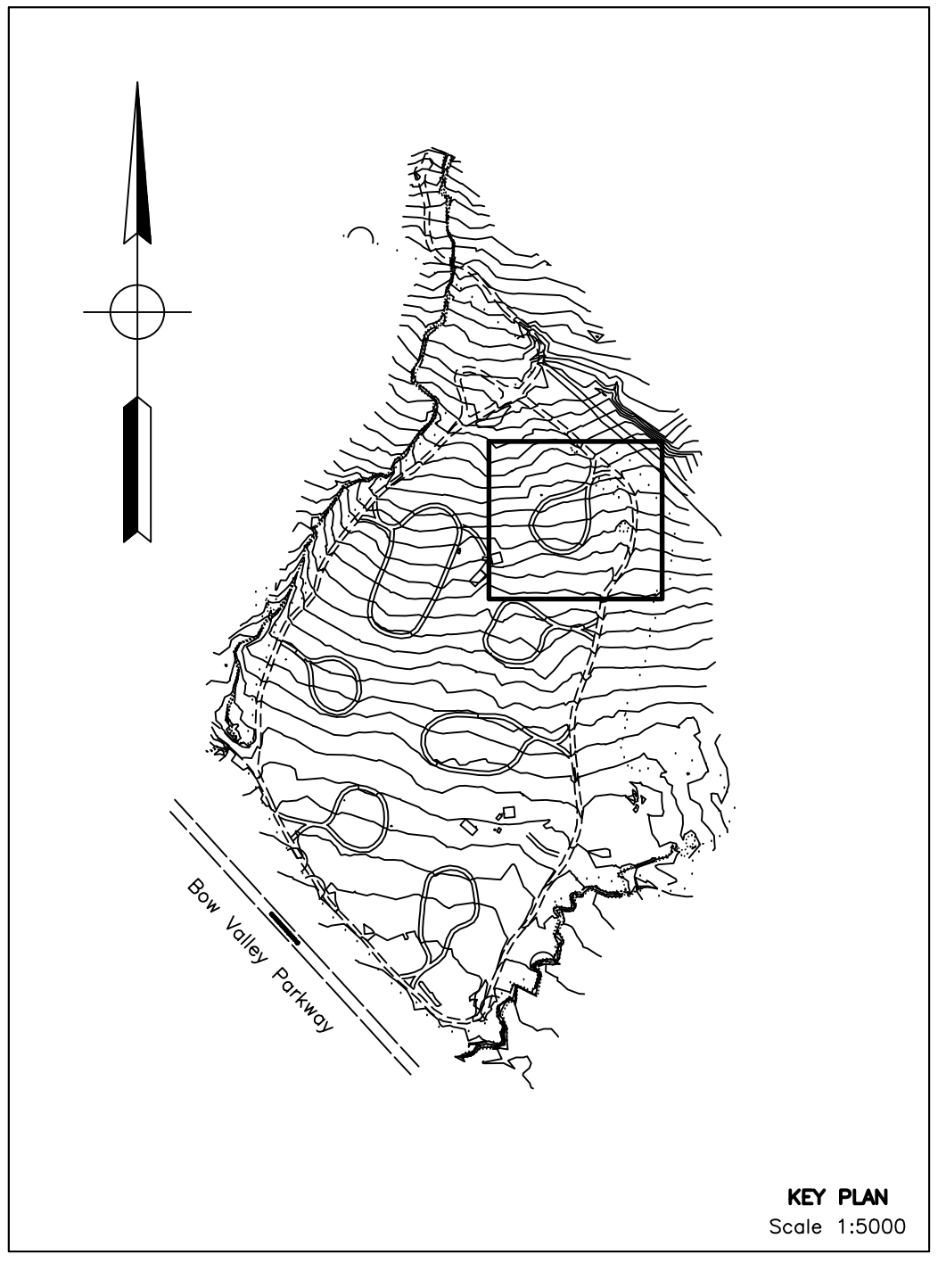
Bow Valley Parkway
Banff National Park, ALBERTA

REGISTERED OWNERS

Parks Canada Agency

CAUTION - PRIOR TO ANY CONSTRUCTION
UNDERGROUND FACILITIES NEED TO BE
LOCATED BY:





BANFF NATIONAL PARK, ALBERTA

PLAN SHOWING SURVEY OF SITE PLAN AND ELEVATIONS OF PROTECTION MOUNTAIN CAMPGROUND DETAILING LOOP 'E'

SCALE: 1:200

BY: AZIZ M. DHARAMSHI, A.L.S., 2015

LEGEND

Distances shown are in metres and decimals thereof.
Distances shown on curved boundaries are Arc distances.
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Bearings are Grid and derived from GPS observations.
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Projection - Universal Transverse Mercator
Reference Meridian - Zone 11 North
Combined Factor - 0.999426
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W.	West	Wit.	Witness
Sec.	Section	R	Radius
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Rge.	Range	ha	Hectare
M.	Meridian	Ac.	Acre
Fd.	Found	Spk.	Spike
Pl.	Placed	DH	Drill Hole
l.	Iron Post	m	Metres
l.Bar	Iron Bar	B.O.C.	Back of Curb
Mk.	Mark	L.O.G.	Lip of Gutter
Mp.	Marker Post		
C.S.	Countersunk		

NOTES:
BARE GROUND AREA WITHIN 'LOOP E' CONTAINS 105 STUMPS; ATTRIBUTES CAN BE GATHERED USING POINT NUMBERS SHOWN ON THIS PLAN, AND IN CONJUNCTION WITH THE RAW DATA FILES, AS SUPPLIED.

The survey was performed on September 28th, 2015

Certified Correct this 23rd Day of October, 2015

Alberta Land Surveyor

ADDRESS OF SITE

Bow Valley Parkway
Banff National Park, ALBERTA

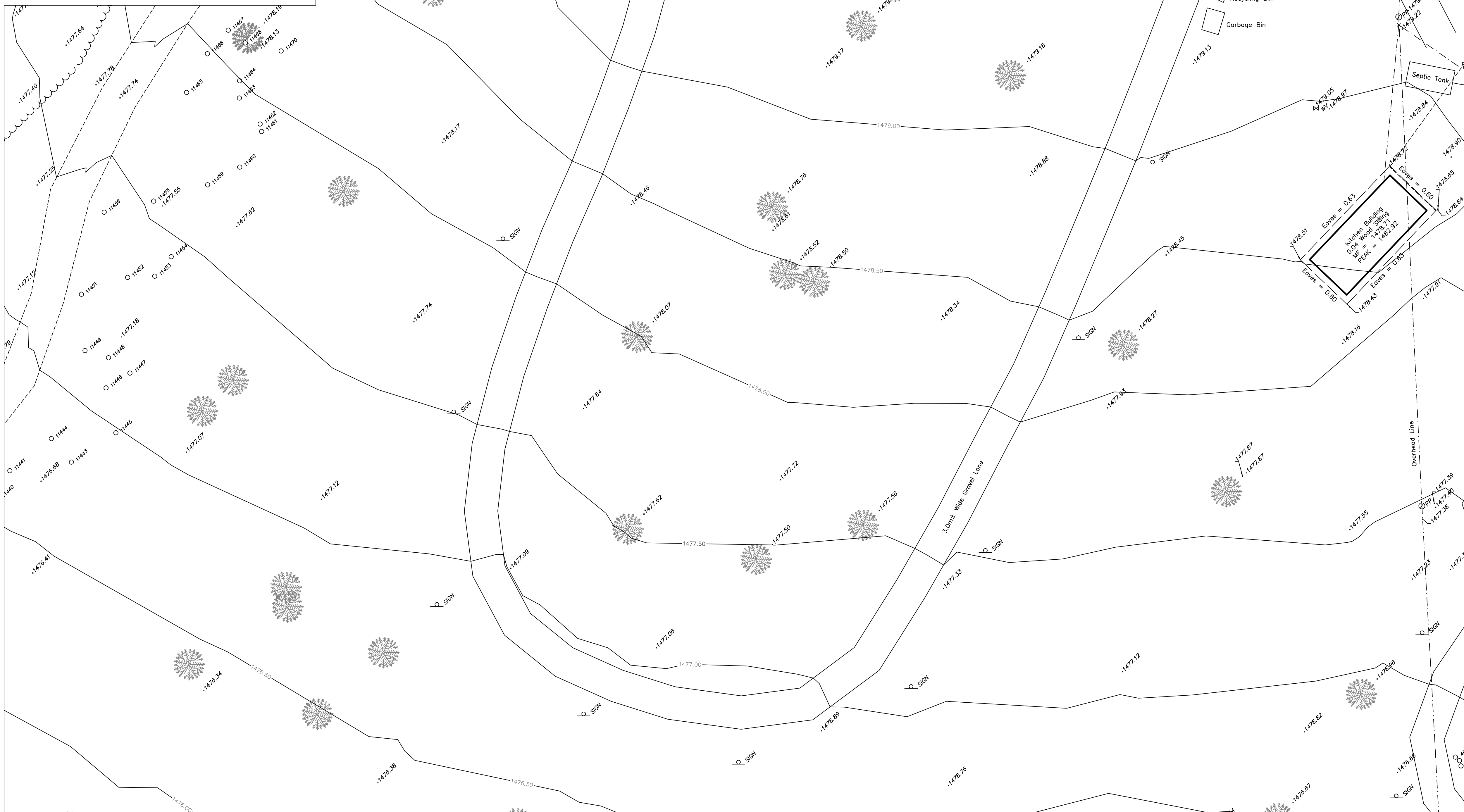
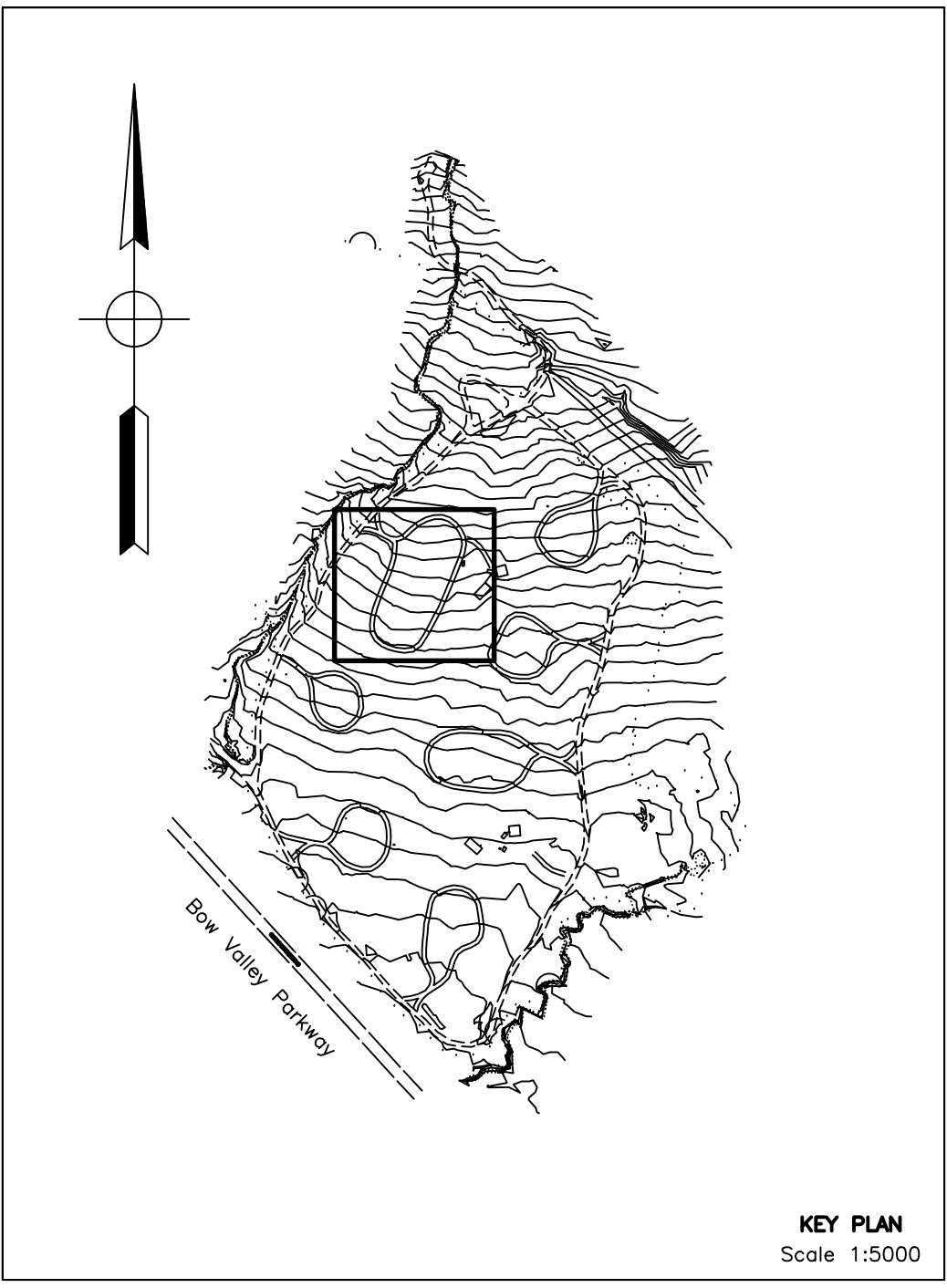
REGISTERED OWNERS

Parks Canada Agency

CAUTION - PRIOR TO ANY CONSTRUCTION
UNDERGROUND FACILITIES NEED TO BE
LOCATED BY:



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BANFF NATIONAL PARK, ALBERTA

**PLAN SHOWING SURVEY OF
SITE PLAN AND ELEVATIONS
OF
PROTECTION MOUNTAIN CAMPGROUND
DETAILING LOOP 'F' AND BUILDINGS**

SCALE: 1:200

BY: AZIZ M. DHARAMSHI, A.L.S., 2015

LEGEND

Distances shown are in metres and decimals thereof.
Distances shown on curved boundaries are Arc distances.
Elevations are derived from CSRS-PPP (V 1.05 34613) on point #1000, Elev: 1474.758
Bearings are Grid and derived from GPS observations.
The Coordinate System used for this plan is:
Datum - North American Datum 1983
Projection - Universal Transverse Mercator
Reference Meridian - Zone 11 North
Combined Factor - 0.999426
Elevations are shown thus:
Stumps are shown thus:
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Signs are shown thus:
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Power lines are shown thus:
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E.	East	Res.	Restored
W.	West	Wit.	Witness
Sec.	Section	R	Radius
Twp.	Township	L	Arc Length
Rge.	Range	ha	Hectare
M.	Meridian	Ac.	Acre
Fd.	Found	Spk.	Spike
Pl.	Placed	DH	Drill Hole
I.	Iron Post	m	Metres
I.Bar	Iron Bar	B.O.C	Back of Curb
Mk.	Mark	L.O.G	Lip of Gutter
Mp.	Marker Post		
C.S.	Countersunk		

NOTES:
STUMP COUNT IN BARE GROUND AREA WITHIN 'LOOP F' WAS NOT SURVEYED.

The survey was performed on September 28th, 2015

Certified Correct this 23rd Day of October, 2015

Alberta Land Surveyor

ADDRESS OF SITE

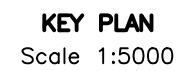
Bow Valley Parkway
Banff National Park, ALBERTA

REGISTERED OWNERS

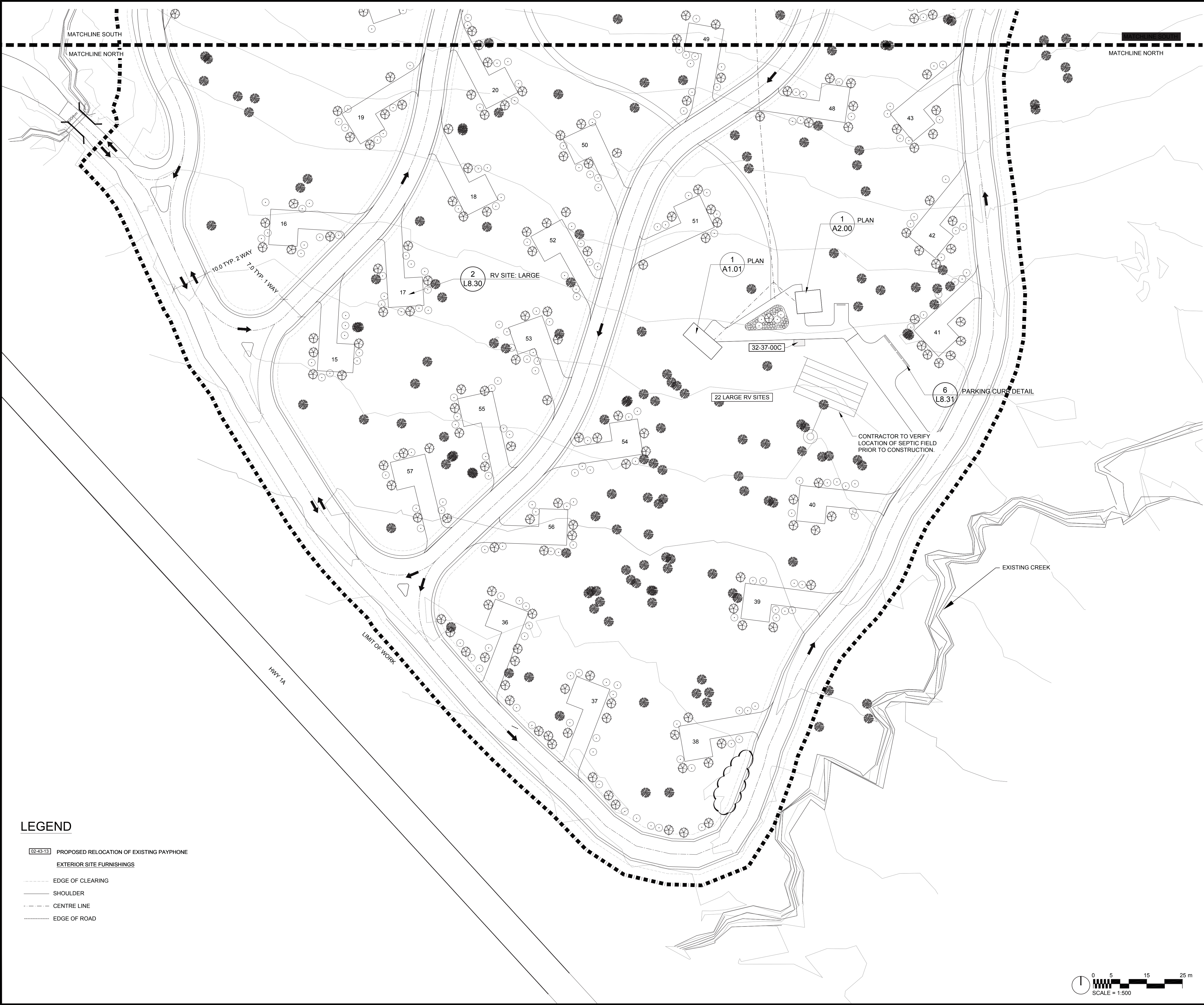
Parks Canada Agency

**CAUTION – PRIOR TO ANY CONSTRUCTION
UNDERGROUND FACILITIES NEED TO BE
LOCATED BY:**



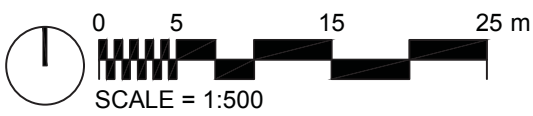


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LEGEND

- 02-49-19 PROPOSED RELOCATION OF EXISTING PAYPHONE
- EXTERIOR SITE FURNISHINGS
- EDGE OF CLEARING
- SHOULDER
- CENTRE LINE
- EDGE OF ROAD



No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

<div>A</div> <div>B</div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Parks Canada Parcs Canada

Canada



Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

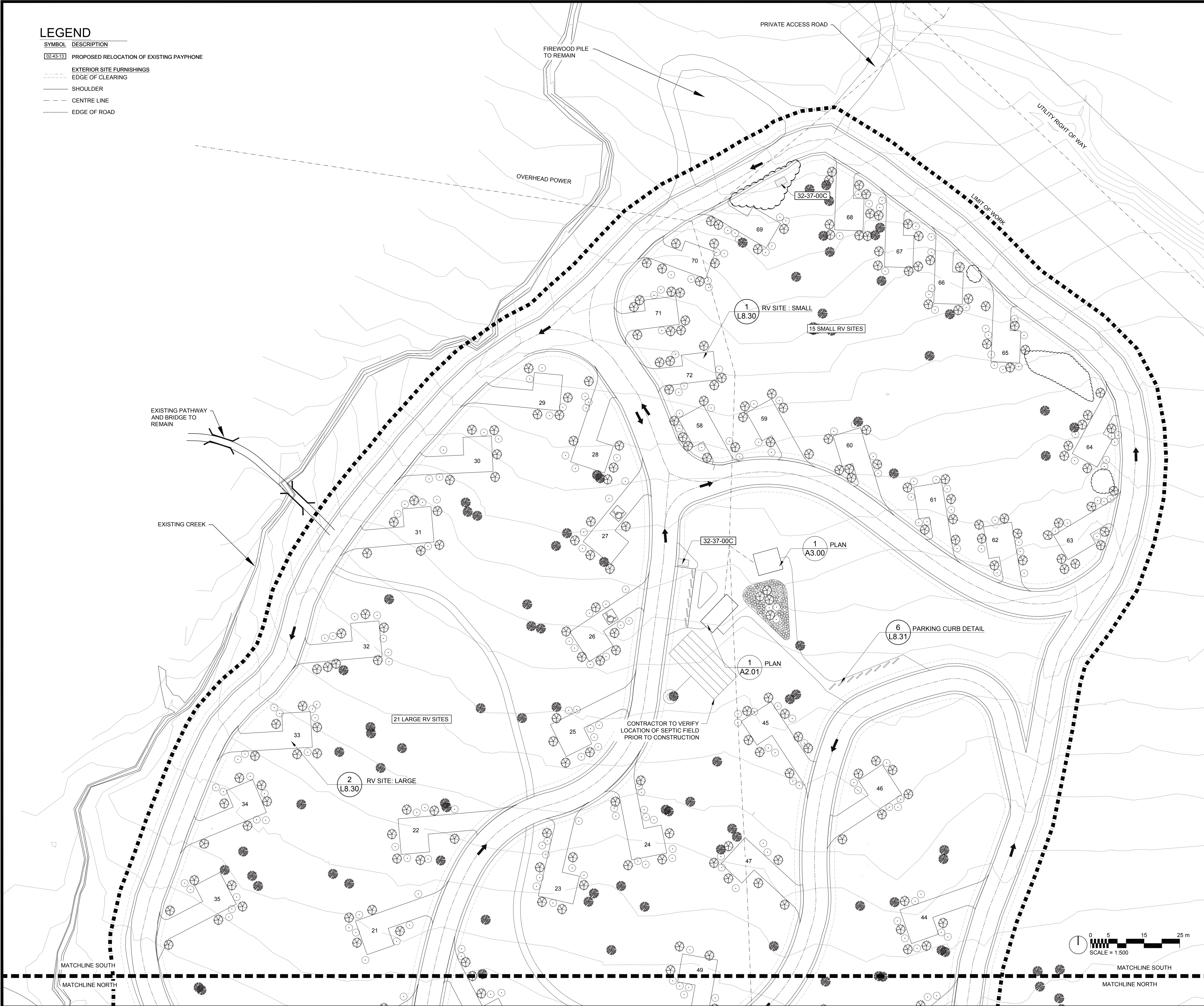
SITE PLAN SOUTH

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	1:500
Client Acceptance/Acceptation du client	Approved by/Approuvé par	
Date	Date	

Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		L0.10
Drawing Set No./Nº de série du dessin		

LEGEND

SYMBOL	DESCRIPTION
	PROPOSED RELOCATION OF EXISTING PAYPHONE
	EXTERIOR SITE FURNISHINGS
	EDGE OF CLEARING
	SHOULDER
	CENTRE LINE
	EDGE OF ROAD



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Revision / Revision

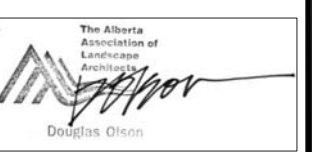
	Detail number Sheet number	A Numéro de detail B Numéro de la feuille
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Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur



Parks Canada

Canada



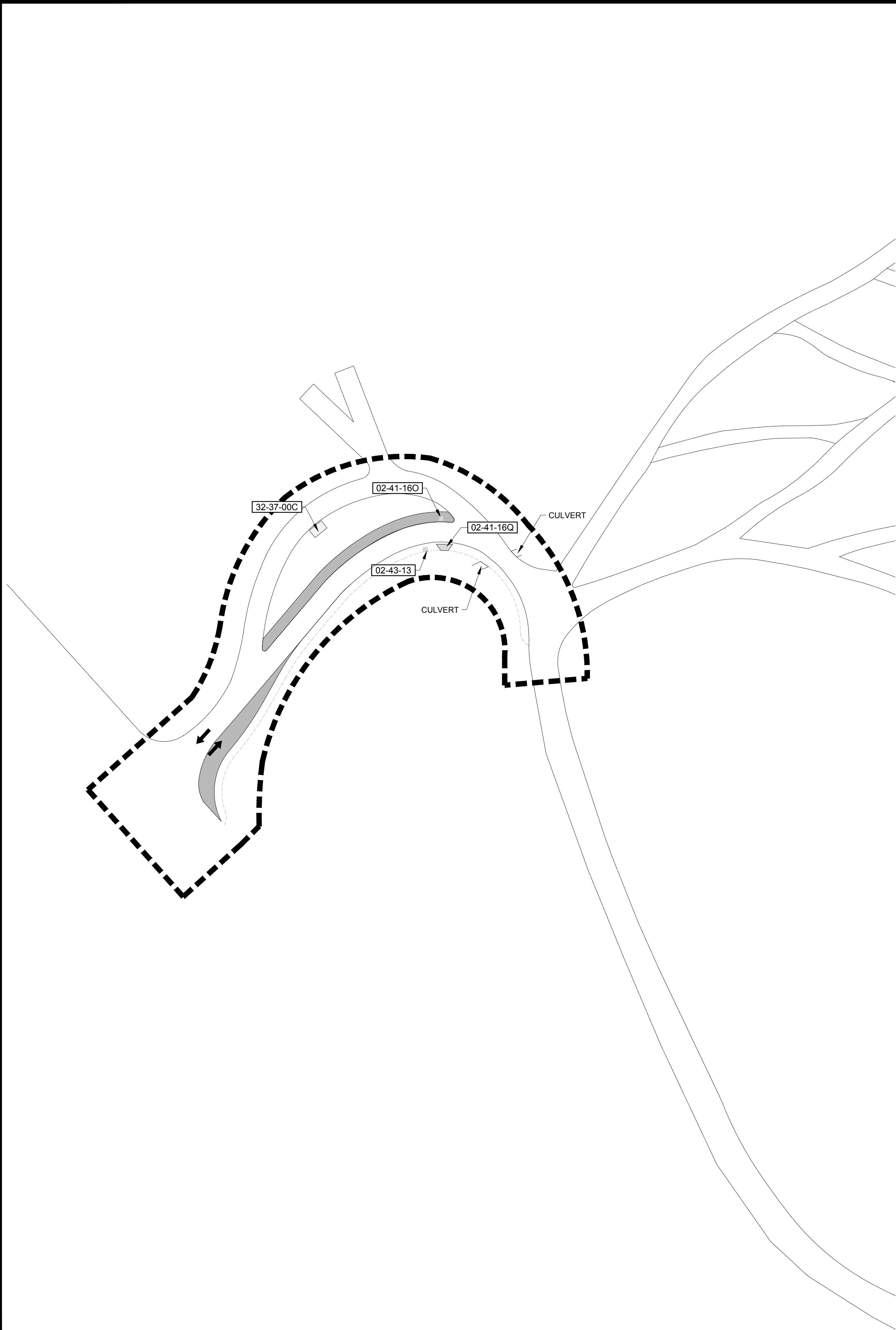
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

SITE PLAN NORTH

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	1:500
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
150102		L0.11
Drawing Set No./Nº de série du dessin		



LEGEND

- SYMBOL

DEMOLITION
DESCRIPTION
- 02-41-16O

CONTRACTOR TO RELOCATE EXISTING PHONE LINE AND PHONE BOOTH
PER SITE PLAN
- 02-41-16Q

PROTECT EXISTING KIOSK
- SYMBOL

STRUCTURE MOVING
DESCRIPTION
- 02-43-13

PROPOSED RELOCATION OF EXISTING PAYPHONE
- SYMBOL

EXTERIOR SITE FURNISHINGS
DESCRIPTION
- 32-37-00C

GARBAGE CAN AND SINGLE BAG RECYCLING BINS - PCA TO DELIVER
AND CONTRACTOR TO INSTALL. HL-5703



No.3	May6/16	Issued for Tender	SH/ZW	
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No.1	Feb29/16	90% Submission	SH/ZW	Approved
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Revision / Revision

<div><div>A</div><div>B</div></div>	Detail number	A Numéro de détail
	Sheet number	B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur
		<div><div>The Alberta Association of Professional Engineers</div><div></div></div>

Parks Canada Parcs Canada

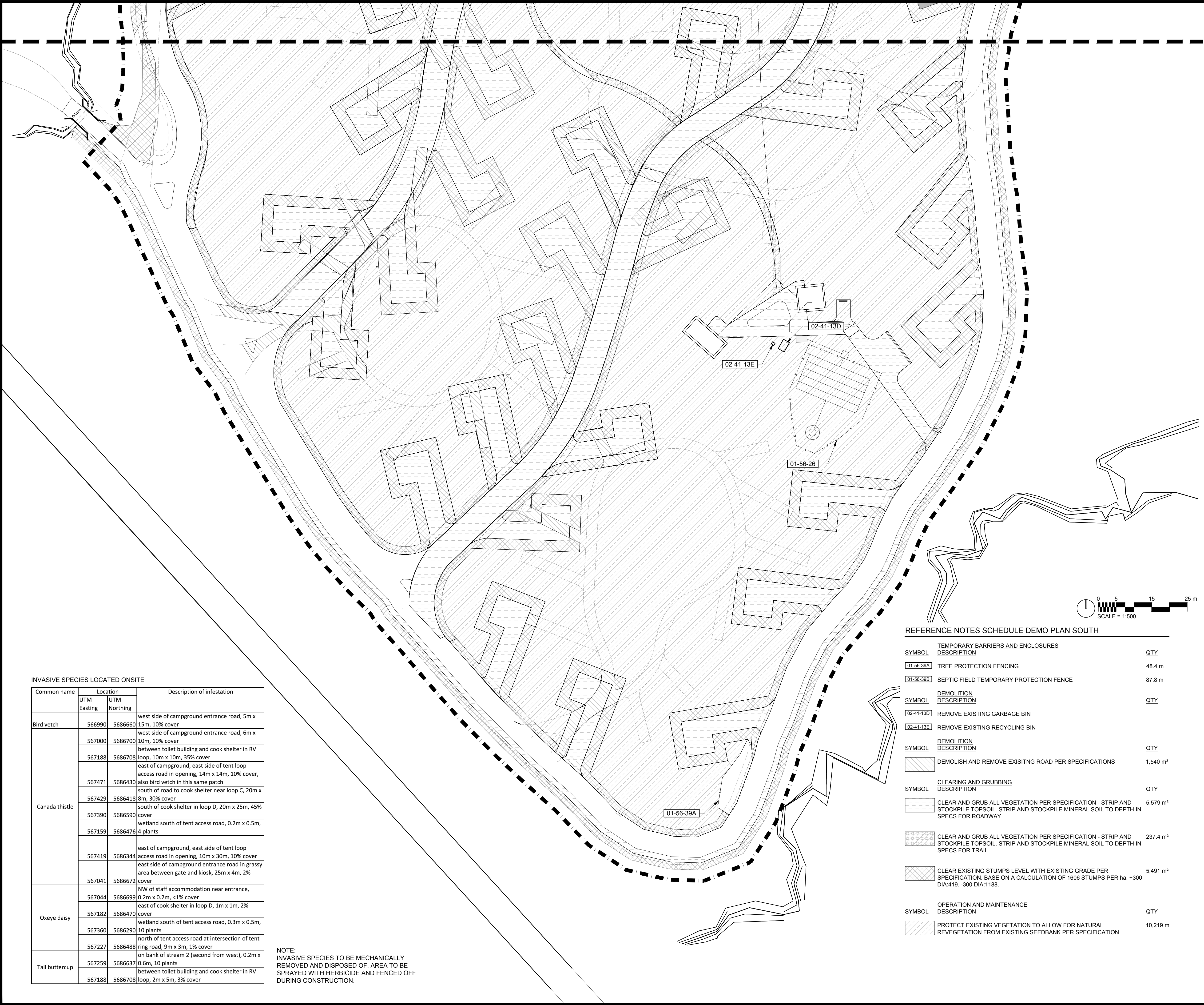
Canada



Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin
SITE PLAN HIGHWAY ACCESS IMPROVEMENT

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle 1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./N° du projet 150102	Asset No./N° du bien	Sheet No./ N° de la feuille
Drawing Set No./N° de série du dessin		L0.12



INVASIVE SPECIES LOCATED ONSITE

Common name	Location		Description of infestation
	UTM Easting	UTM Northing	
Bird vetch	566990	5686660	west side of campground entrance road, 5m x 15m, 10% cover
	567000	5686700	west side of campground entrance road, 6m x 10m, 10% cover
	567188	5686708	between toilet building and cook shelter in RV loop, 10m x 10m, 35% cover
	567471	5686430	east of campground, east side of tent loop access road in opening, 14m x 14m, 10% cover, also bird vetch in this same patch
Canada thistle	567429	5686418	south of road to cook shelter near loop C, 20m x 8m, 30% cover
	567390	5686590	south of cook shelter in loop D, 20m x 25m, 45% cover
	567159	5686476	wetland south of tent access road, 0.2m x 0.5m, 4 plants
	567419	5686344	east of campground, east side of tent loop access road in opening, 10m x 30m, 10% cover
	567041	5686672	east side of campground entrance road in grassy area between gate and kiosk, 25m x 4m, 2% cover
	567044	5686699	NW of staff accommodation near entrance, 0.2m x 0.2m, <1% cover
Oxeye daisy	567182	5686470	east of cook shelter in loop D, 1m x 1m, 2% cover
	567360	5686290	cover
	567227	5686488	wetland south of tent access road, 0.3m x 0.5m, 10 plants
	567259	568637	north of tent access road at intersection of tent ring road, 9m x 3m, 1% cover
Tall buttercup	567259	568637	on bank of stream 2 (second from west), 0.2m x 0.6m, 10 plants
	567188	5686708	between toilet building and cook shelter in RV loop, 2m x 5m, 3% cover

NOTE:
INVASIVE SPECIES TO BE MECHANICALLY REMOVED AND DISPOSED OF. AREA TO BE SPRAYED WITH HERBICIDE AND FENCED OFF DURING CONSTRUCTION.

REFERENCE NOTES SCHEDULE DEMO PLAN SOUTH

SYMBOL	TEMPORARY BARRIERS AND ENCLOSURES DESCRIPTION	QTY
01-56-39A	TREE PROTECTION FENCING	48.4 m
01-56-39B	SEPTIC FIELD TEMPORARY PROTECTION FENCE	87.8 m
SYMBOL	DEMOLITION DESCRIPTION	QTY
02-41-13D	REMOVE EXISTING GARBAGE BIN	
02-41-13E	REMOVE EXISTING RECYCLING BIN	
SYMBOL	DEMOLITION DESCRIPTION	QTY
	DEMOLISH AND REMOVE EXISITNG ROAD PER SPECIFICATIONS	1,540 m²
SYMBOL	CLEARING AND GRUBBING DESCRIPTION	QTY
	CLEAR AND GRUB ALL VEGETATION PER SPECIFICATION - STRIP AND STOCKPILE TOPSOIL. STRIP AND STOCKPILE MINERAL SOIL TO DEPTH IN SPECS FOR ROADWAY	5,579 m²
	CLEAR AND GRUB ALL VEGETATION PER SPECIFICATION - STRIP AND STOCKPILE TOPSOIL. STRIP AND STOCKPILE MINERAL SOIL TO DEPTH IN SPECS FOR TRAIL	237.4 m²
	CLEAR EXISTING STUMPS LEVEL WITH EXISTING GRADE PER SPECIFICATION. BASE ON A CALCULATION OF 1606 STUMPS PER ha. +300 DIA:419. -300 DIA:1188.	5,491 m²
SYMBOL	OPERATION AND MAINTENANCE DESCRIPTION	QTY
	PROTECT EXISTING VEGETATION TO ALLOW FOR NATURAL REVEGETATION FROM EXISTING SEEDBANK PER SPECIFICATION	10,219 m

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Revision / Revision



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Sheet number

A Numéro de détail
B Numéro de la feuille

Linear dimensions
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Dimensions linéaires
en millimètres

Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur



Parks Canada

Parcs Canada

Canada



Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

DEMOLITION AND SITE PROTECTION SOUTH

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./Nº du projet		Sheet No./Nº de la feuille
150102		
Drawing Set No./Nº de série du dessin		L1.00

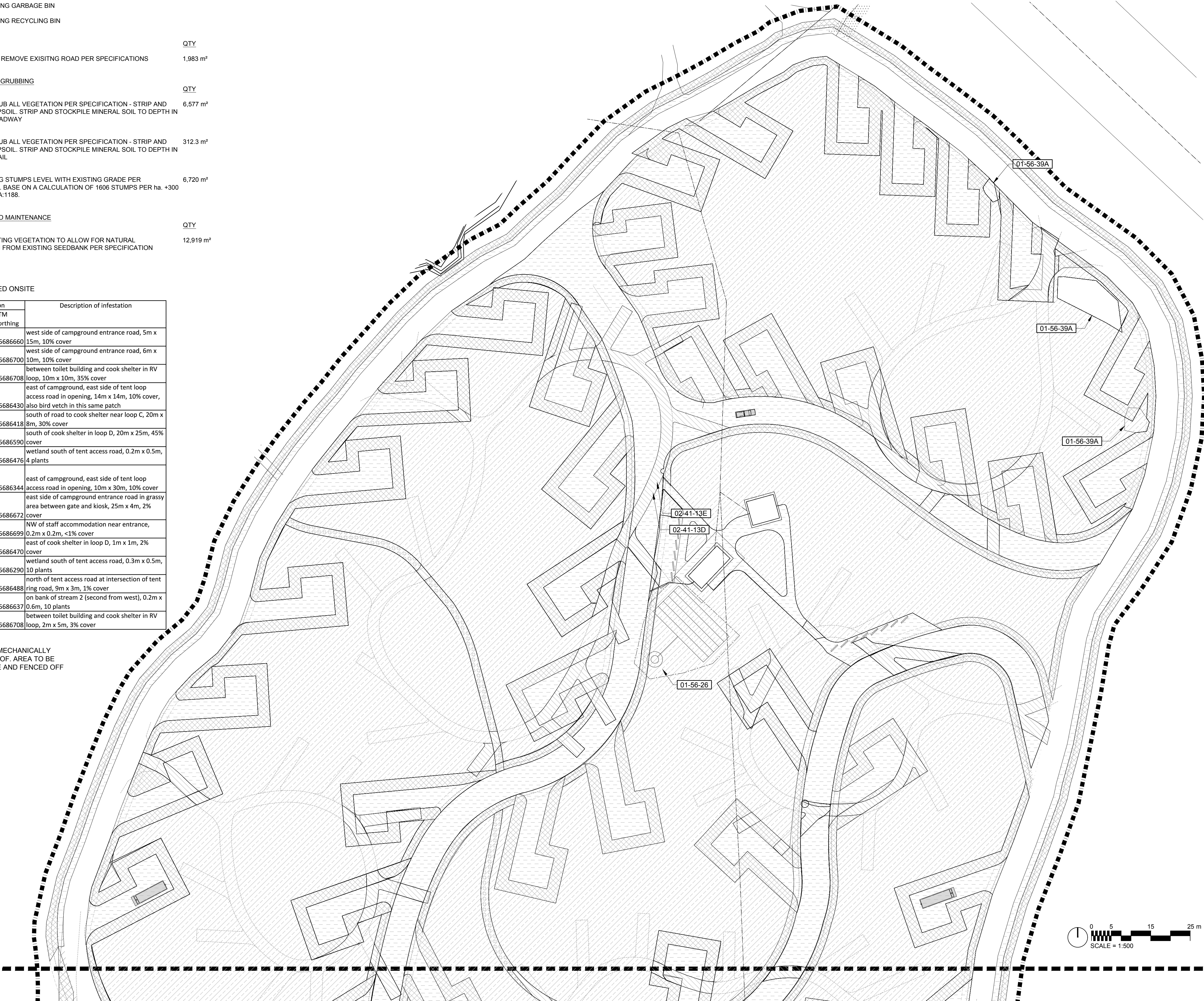
REFERENCE NOTES SCHEDULE DEMO PLAN NORTH

SYMBOL	TEMPORARY BARRIERS AND ENCLOSURES DESCRIPTION	QTY
01-56-38A	TREE PROTECTION FENCING	91.0 m
01-56-39B	SEPTIC FIELD TEMPORARY PROTECTION FENCE	79.2 m
SYMBOL	DEMOLITION DESCRIPTION	QTY
02-41-13D	REMOVE EXISTING GARBAGE BIN	
02-41-13E	REMOVE EXISTING RECYCLING BIN	
SYMBOL	DEMOLITION DESCRIPTION	QTY
	DEMOLISH AND REMOVE EXISITNG ROAD PER SPECIFICATIONS	1,983 m²
SYMBOL	CLEARING AND GRUBBING DESCRIPTION	QTY
	CLEAR AND GRUB ALL VEGETATION PER SPECIFICATION - STRIP AND STOCKPILE TOPSOIL. STRIP AND STOCKPILE MINERAL SOIL TO DEPTH IN SPECS FOR ROADWAY	6,577 m²
	CLEAR AND GRUB ALL VEGETATION PER SPECIFICATION - STRIP AND STOCKPILE TOPSOIL. STRIP AND STOCKPILE MINERAL SOIL TO DEPTH IN SPECS FOR TRAIL	312.3 m²
	CLEAR EXISTING STUMPS LEVEL WITH EXISTING GRADE PER SPECIFICATION. BASE ON A CALCULATION OF 1606 STUMPS PER ha. +300 DIA:419. -300 DIA:1188.	6,720 m²
SYMBOL	OPERATION AND MAINTENANCE DESCRIPTION	QTY
	PROTECT EXISTING VEGETATION TO ALLOW FOR NATURAL REVEGETATION FROM EXISTING SEEDBANK PER SPECIFICATION	12,919 m²

INVASIVE SPECIES LOCATED ONSITE

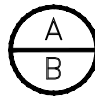
Common name	Location		Description of infestation
	UTM Easting	UTM Northing	
Bird vetch	566990	5686660	west side of campground entrance road, 5m x 15m, 10% cover
	567000	5686700	west side of campground entrance road, 6m x 10m, 10% cover
	567188	5686708	between toilet building and cook shelter in RV loop, 10m x 10m, 35% cover
Canada thistle	567471	5686430	east of campground, east side of tent loop access road in opening, 14m x 14m, 10% cover, also bird vetch in this same patch
	567429	5686418	south of road to cook shelter near loop C, 20m x 8m, 30% cover
	567390	5686590	south of cook shelter in loop D, 20m x 25m, 45% cover
	567159	5686476	wetland south of tent access road, 0.2m x 0.5m, 4 plants
	567419	5686344	east of campground, east side of tent loop access road in opening, 10m x 30m, 10% cover
	567041	5686672	east side of campground entrance road in grassy area between gate and kiosk, 25m x 4m, 2% cover
	567044	5686699	NW of staff accommodation near entrance, 0.2m x 0.2m, <1% cover
Oxeye daisy	567182	5686470	east of cook shelter in loop D, 1m x 1m, 2% cover
	567360	5686290	wetland south of tent access road, 0.3m x 0.5m, 10 plants
	567227	5686488	north of tent access road at intersection of tent ring road, 9m x 3m, 1% cover
	567259	5686637	on bank of stream 2 (second from west), 0.2m x 0.6m, 10 plants
Tall buttercup	567188	5686708	between toilet building and cook shelter in RV loop, 2m x 5m, 3% cover

NOTE:
INVASIVE SPECIES TO BE MECHANICALLY REMOVED AND DISPOSED OF. AREA TO BE SPRAYED WITH HERBICIDE AND FENCED OFF DURING CONSTRUCTION.



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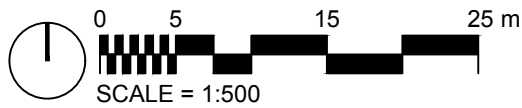
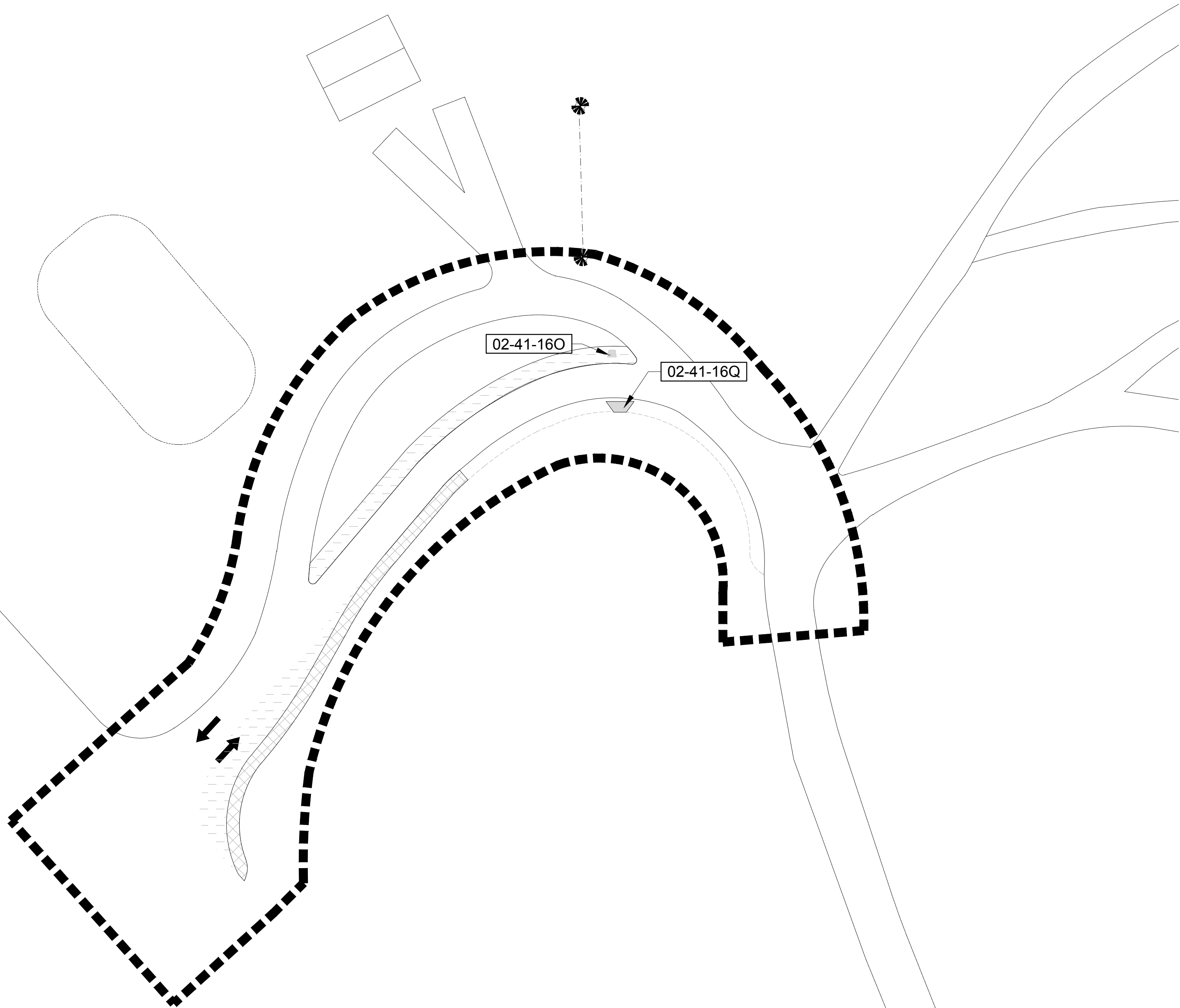
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

DEMOLITION AND SITE PROTECTION NORTH

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle 1:500
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Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nº de la feuille
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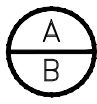


REFERENCE NOTES SCHEDULE HIGHWAY ACCESS

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
02-41-16O	CONTRACTOR TO RELOCATE EXISTING PHONE LINE AND PHONE BOOTH PER SITE PLAN	1	
02-41-16Q	PROTECT EXISTING KIOSK		
SYMBOL	CLEARING AND GRUBBING DESCRIPTION	QTY	DETAIL
	CLEAR AND GRUB ALL VEGETATION PER SPECIFICATION - STRIP AND STOCKPILE TOPSOIL. STRIP AND STOCKPILE MINERAL SOIL TO DEPTH IN SPECS FOR ROADWAY	184.6 m²	
	CLEAR EXISTING STUMPS LEVEL WITH EXISTING GRADE PER SPECIFICATION. BASE ON A CALCULATION OF 1606 STUMPS PER ha. +300 DIA:419. -300 DIA:1188.	83.0 m²	

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

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Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

DEMOLITION AND SITE PROTECTION HIGHWAY ACCESS IMPROVEMENT

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle 1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nº de la feuille
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LEGEND

EXISTING MAJOR CONTOUR

EXISTING MINOR CONTOUR

1200.00 +

EXISTING SPOT ELEVATION/SURVEYED POINT

1200.00 +

PROPOSED SPOT ELEVATION

GROUND SLOPE

→

OVERLAND FLOW ROUTE

→

EMERGENCY OVERLAND ESCAPE ROUTE

NOTES:

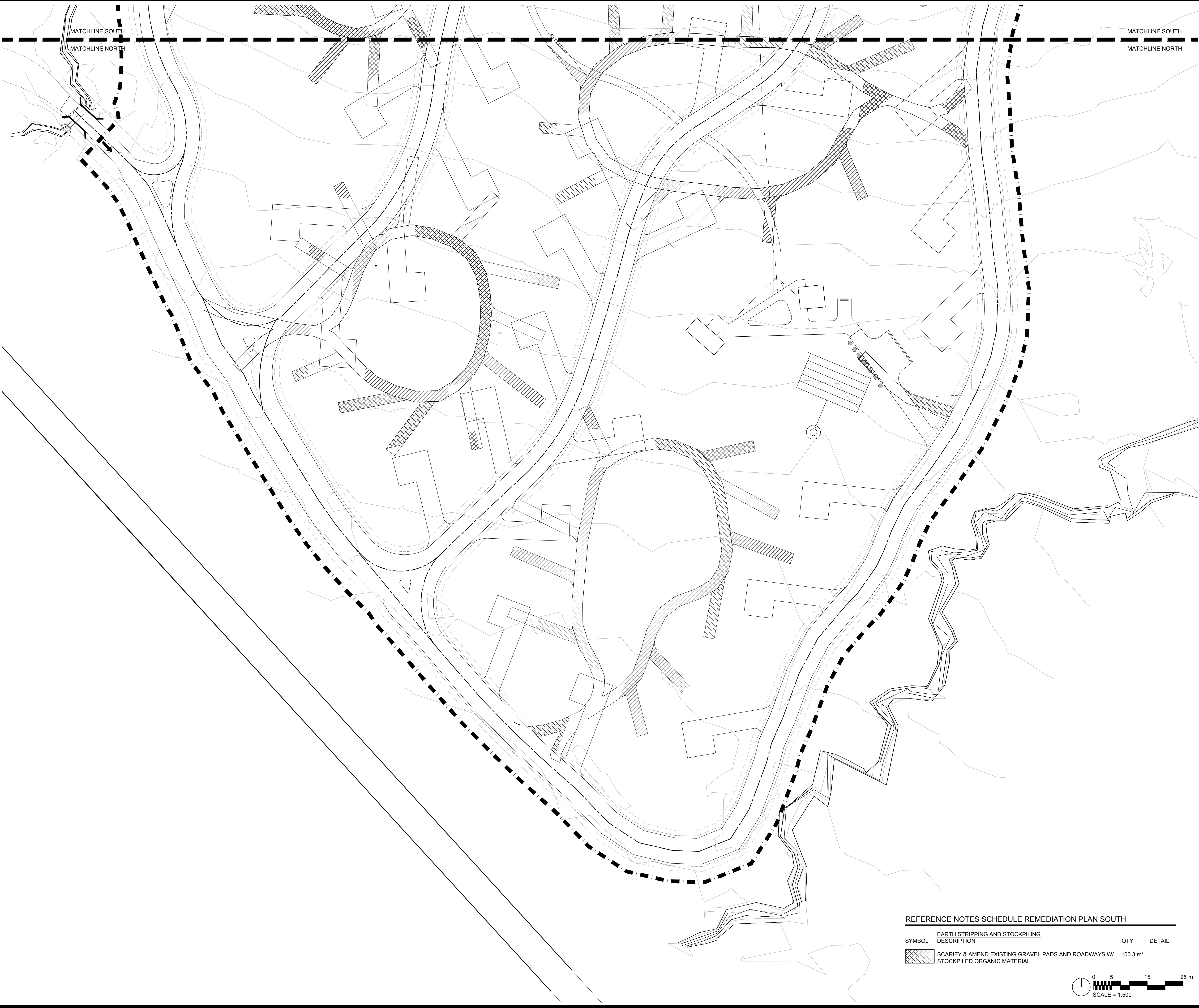
1. DIMENSIONS ARE IN METRES. COORDIMATES ARE UTM ZONE 11, NAD 83 (CSRS).

2. ELEVATIONS ARE METRES ABOVE GEODETIC DATUM

3. ELEVATIONS ARE AT TOP OF SURFACE (ASPHALT, GRAVEL, LANDSCAPE)

4. ROAD ELEVATIONS ARE CENTRELINE AT 20 m INCREMENTS

3	May6/16	Issued for Tender	MAK	
2	Mar24/16	100% Submission	MAK	
1	Feb29/15	90% Submission	MAK	
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				
<div><div>A</div><div>B</div></div>		<div><div>Detail number</div><div>A Numéro de détail</div><div>Sheet number</div><div>B Numéro de la feuille</div></div>		
Linear dimensions in metres		Dimensions linéaires en mètres		
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur		
<div><div></div><div>OSPREY ENGINEERING INC.</div><div>BOX 1387 BLACK DIAMOND, ALBERTA T0L 0H0 CANADA TEL: 403.933.2226 FAX: 403.933.2230 APEGA PERMIT TO PRACTICE P10743</div></div>		<div><div></div><div>2016-05-17</div></div>		
<div><div></div><div>Parks Canada</div></div>		<div><div></div><div>Parcs Canada</div></div>		
<div><div>Canada</div></div>				
<div><div><div>O2</div><div></div><div>PLANNING + DESIGN</div></div></div>				
Project title/Titre du projet				
PROTECTION MOUNTAIN CAMPGROUND				
Drawing title/Titre du dessin				
GRADING PLAN (NORTH)				
Surveyed by/Arpenté par		Drawn by/Dessiné par		Date
ST		MAK		NOV 2015
Designed by/Concept par		Reviewed by/Revisé par		Scale/Échelle
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Client Acceptance/Acceptation du client			Approved by/Approuvé par	
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150102				
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			L2.01	



REFERENCE NOTES SCHEDULE REMEDIATION PLAN SOUTH

SYMBOL	EARTH STRIPPING AND STOCKPILING DESCRIPTION	QTY	DETAIL
	SCARIFY & AMEND EXISTING GRAVEL PADS AND ROADWAYS W/ STOCKPILED ORGANIC MATERIAL	100.3 m²	

SCALE = 1:500

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Linear dimensions
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Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

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Canada

PLANNING + DESIGN

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

EXISTING LOOP RECLAMATION SOUTH

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	1:500

Client Acceptance/Acceptation du client

Approved by/Approuvé par

Date

Date

Project No./Nº du projet

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Sheet No./Nº de la feuille

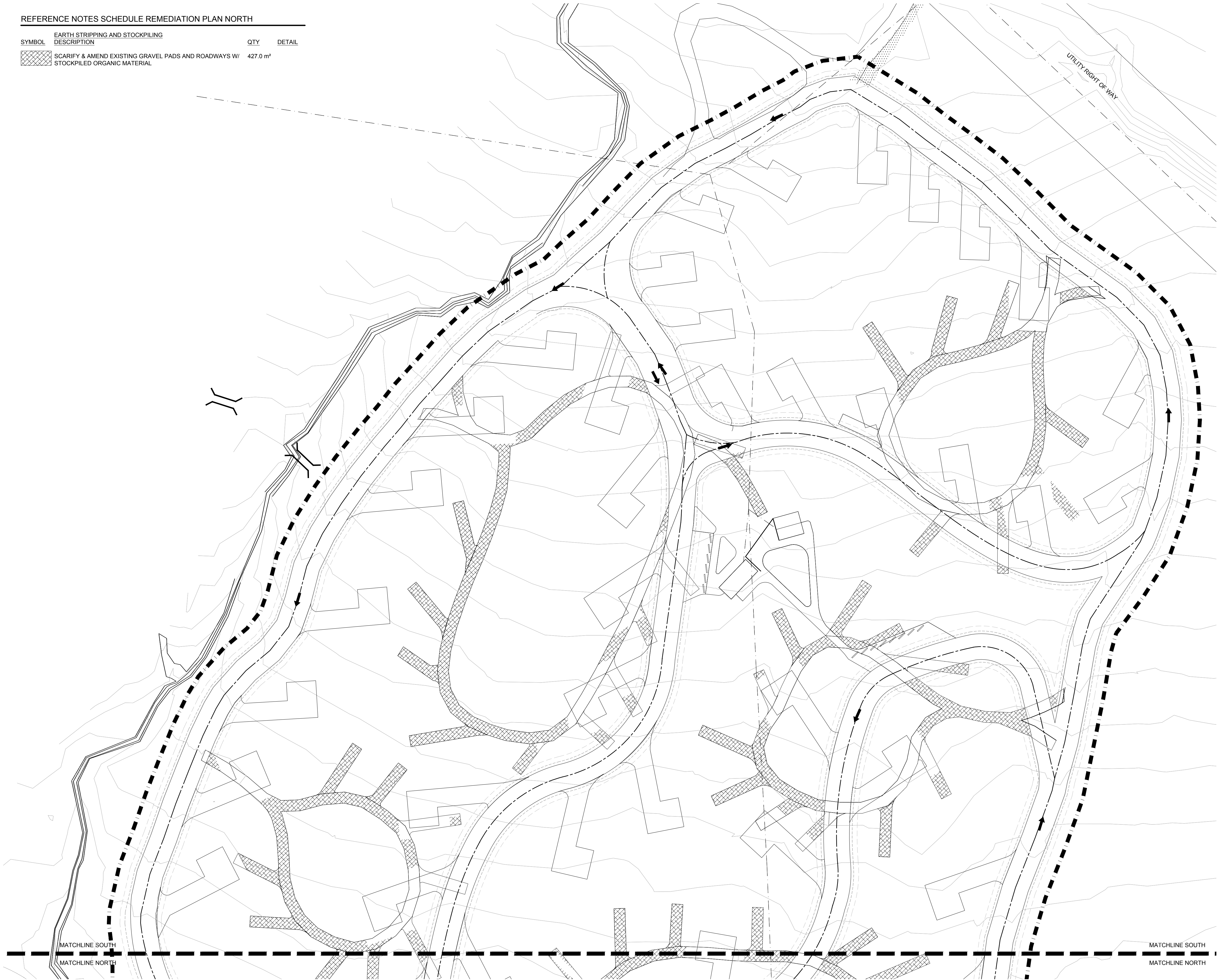
150102

L4.00

Drawing Set No./Nº de série du dessin

REFERENCE NOTES SCHEDULE REMEDIATION PLAN NORTH

SYMBOL	EARTH STRIPPING AND STOCKPILING DESCRIPTION	QTY	DETAIL
<div></div>	SCARIFY & AMEND EXISTING GRAVEL PADS AND ROADWAYS W/ STOCKPILED ORGANIC MATERIAL	427.0 m²	



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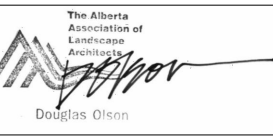
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Linear dimensions
in millimetres

Dimensions linéaires
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Consultant's Name
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O2



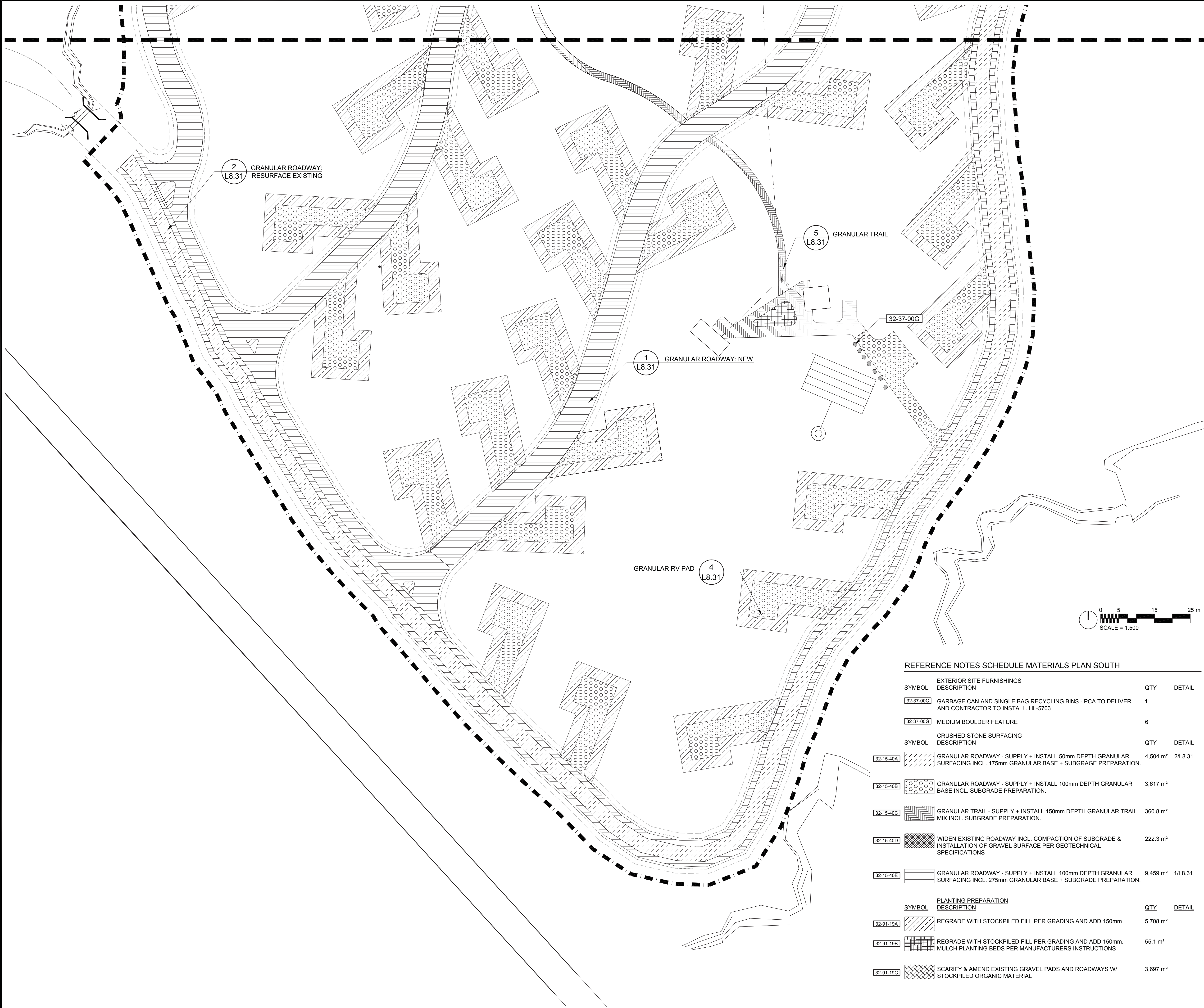
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

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EXISTING LOOP RECLAMATION NORTH

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
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REFERENCE NOTES SCHEDULE MATERIALS PLAN SOUTH

SYMBOL	EXTERIOR SITE FURNISHINGS DESCRIPTION	QTY	DETAIL
32-37-00C	GARBAGE CAN AND SINGLE BAG RECYCLING BINS - PCA TO DELIVER AND CONTRACTOR TO INSTALL. HL-5703	1	
32-37-00G	MEDIUM BOULDER FEATURE	6	
SYMBOL	CRUSHED STONE SURFACING DESCRIPTION	QTY	DETAIL
32-15-40A	GRANULAR ROADWAY - SUPPLY + INSTALL 50mm DEPTH GRANULAR SURFACING INCL. 175mm GRANULAR BASE + SUBGRADE PREPARATION.	4,504 m²	2/L8.31
32-15-40B	GRANULAR ROADWAY - SUPPLY + INSTALL 100mm DEPTH GRANULAR BASE INCL. SUBGRADE PREPARATION.	3,617 m²	
32-15-40C	GRANULAR TRAIL - SUPPLY + INSTALL 150mm DEPTH GRANULAR TRAIL MIX INCL. SUBGRADE PREPARATION.	360.8 m²	
32-15-40D	WIDEN EXISTING ROADWAY INCL. COMPACTION OF SUBGRADE & INSTALLATION OF GRAVEL SURFACE PER GEOTECHNICAL SPECIFICATIONS	222.3 m²	
32-15-40E	GRANULAR ROADWAY - SUPPLY + INSTALL 100mm DEPTH GRANULAR SURFACING INCL. 275mm GRANULAR BASE + SUBGRADE PREPARATION.	9,459 m²	1/L8.31
SYMBOL	PLANTING PREPARATION DESCRIPTION	QTY	DETAIL
32-91-19A	REGRADE WITH STOCKPILED FILL PER GRADING AND ADD 150mm.	5,708 m²	
32-91-19B	REGRADE WITH STOCKPILED FILL PER GRADING AND ADD 150mm. MULCH PLANTING BEDS PER MANUFACTURERS INSTRUCTIONS	55.1 m²	
32-91-19C	SCARIFY & AMEND EXISTING GRAVEL PADS AND ROADWAYS W/ STOCKPILED ORGANIC MATERIAL	3,697 m²	

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



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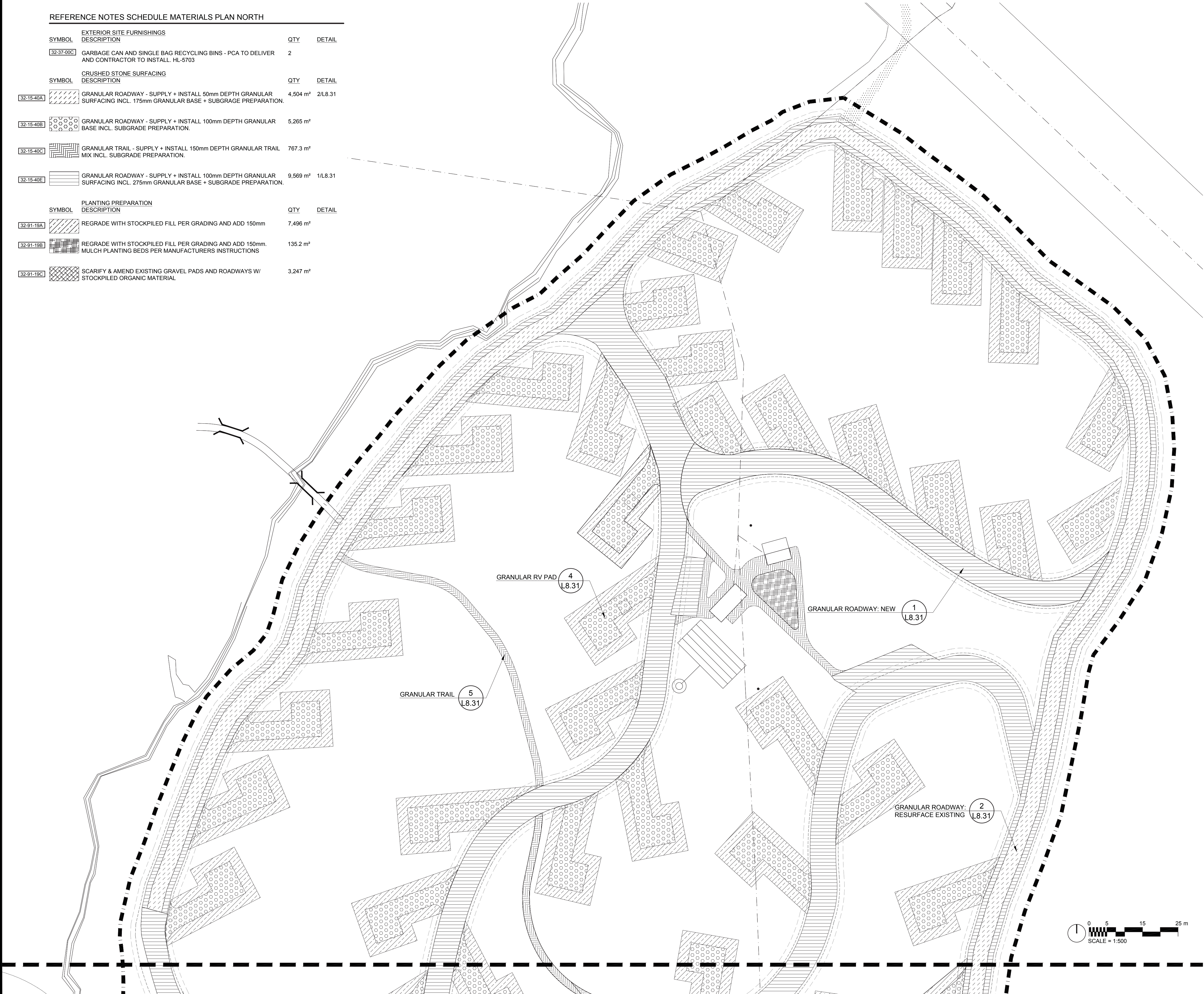
Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin
MATERIALS PLAN SOUTH

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
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MM	MM	1:500
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Date		Date
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150102		L5.00
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REFERENCE NOTES SCHEDULE MATERIALS PLAN NORTH

SYMBOL	EXTERIOR SITE FURNISHINGS DESCRIPTION	QTY	DETAIL
32-37-00C	GARBAGE CAN AND SINGLE BAG RECYCLING BINS - PCA TO DELIVER AND CONTRACTOR TO INSTALL. HL-5703	2	
SYMBOL	CRUSHED STONE SURFACING DESCRIPTION	QTY	DETAIL
32-15-40A	GRANULAR ROADWAY - SUPPLY + INSTALL 50mm DEPTH GRANULAR SURFACING INCL. 175mm GRANULAR BASE + SUBGRADE PREPARATION.	4,504 m²	2/L8.31
32-15-40B	GRANULAR ROADWAY - SUPPLY + INSTALL 100mm DEPTH GRANULAR BASE INCL. SUBGRADE PREPARATION.	5,265 m²	
32-15-40C	GRANULAR TRAIL - SUPPLY + INSTALL 150mm DEPTH GRANULAR TRAIL MIX INCL. SUBGRADE PREPARATION.	767.3 m²	
32-15-40E	GRANULAR ROADWAY - SUPPLY + INSTALL 100mm DEPTH GRANULAR SURFACING INCL. 275mm GRANULAR BASE + SUBGRADE PREPARATION.	9,569 m²	1/L8.31
SYMBOL	PLANTING PREPARATION DESCRIPTION	QTY	DETAIL
32-91-18A	REGRADE WITH STOCKPILED FILL PER GRADING AND ADD 150mm.	7,496 m²	
32-91-19B	REGRADE WITH STOCKPILED FILL PER GRADING AND ADD 150mm. MULCH PLANTING BEDS PER MANUFACTURERS INSTRUCTIONS	135.2 m²	
32-91-19C	SCARIFY & AMEND EXISTING GRAVEL PADS AND ROADWAYS W/ STOCKPILED ORGANIC MATERIAL.	3,247 m²	



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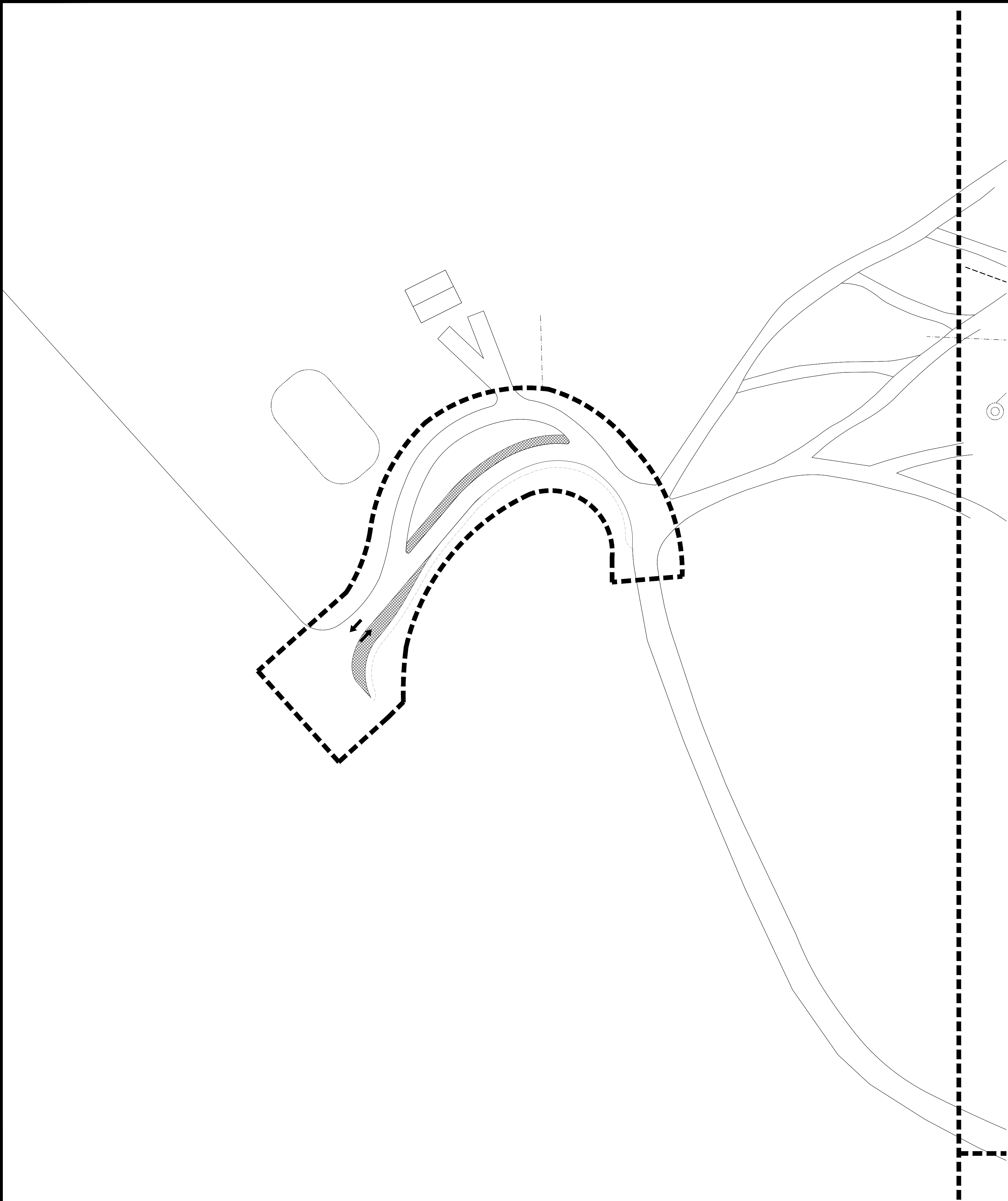
PROTECTION MOUNTAIN CAMPGROUND

Drawing Title/Titre du dessin

MATERIALS PLAN NORTH

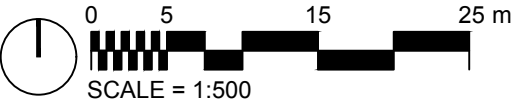
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150102		L5.01
Drawing Set No./Nº de série du dessin		



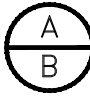
REFERENCE NOTES SCHEDULE HIGHWAY ACCESS

SYMBOL	DESCRIPTION	QTY	DETAIL
	WIDEN EXISTING ROADWAY INCL. COMPACTION OF SUBGRADE & INSTALLATION OF GRAVEL SURFACE PER GEOTECHNICAL SPECIFICATIONS	183.7 m²	



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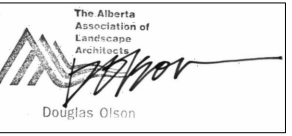
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Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND




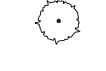

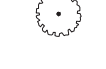


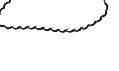
Drawing title/Titre du dessin

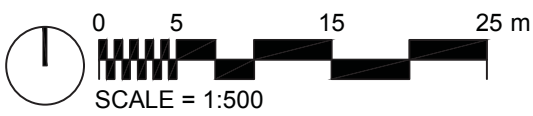
MATERIALS PLAN HIGHWAY ACCESS IMPROVEMENT

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle 1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nº de la feuille 1502
Drawing Set No./Nº de série du dessin		



PLANT SCHEDULE PLANTING PLAN SOUTH

TREES	CODE	BOTANICAL NAME / COMMON NAME	CONTAINER	SIZE	QTY	REMARKS
	PG	Picea glauca / White Spruce	N/A	1.5m ht.	145	
	PC	Pinus contorta / Lodgepole Pine	N/A	1m	194	
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONTAINER	SPACING	QTY	REMARKS
	BG	Betula glandulosa / Resin Birch	2 gal	0.75m	16	
	JJ	Juniperus communis / Juniper	2 gal	0.75m	10	
	RC	Rosa acicularis / Common Prickly Rose	2 gal	0.70m	18	
	SB	Salix bebbiana / Beaked Willow	2 gal	0.75m	9	
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONTAINER	SPACING	QTY	REMARKS
	SM	PCA approved seed mix / Seed Mix	Seed		264 m²	
	EXISTING TREES TO REMAIN					
	EXISTING TREE PROTECTION AREA					



No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

<div>A</div> <div>B</div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

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

 Parks Canada Parcs Canada

Canada



Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND



Drawing title/Titre du dessin

PLANTING PLAN SOUTH

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./Nº du projet		Sheet No./ Nº de la feuille
150102		150102
Drawing Set No./Nº de série du dessin		L6.00

PLANT SCHEDULE PLANITNG PLAN NORTH




TREES	CODE	BOTANICAL NAME / COMMON NAME	CONTAINER	SIZE	QTY	REMARKS
-------	------	------------------------------	-----------	------	-----	---------

	PG	Picea glauca / White Spruce	N/A	1.5m ht.	213	
	PC	Pinus contorta / Lodgepole Pine	N/A	1m	215	

SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONTAINER	SPACING	QTY	REMARKS
--------	------	------------------------------	-----------	---------	-----	---------

	BG	Betula glandulosa / Resin Birch	2 gal	0.75m	25	
	JJ	Juniperus communis / Juniper	2 gal	0.75m	40	
	RC	Rosa acicularis / Common Prickly Rose	2 gal	0.70m	53	
	SB	Salix bebbiana / Beaked Willow	2 gal	0.75m	32	

GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONTAINER	SPACING	QTY	REMARKS
---------------	------	------------------------------	-----------	---------	-----	---------

	SM	PCA approved seed mix / Seed Mix	Seed		5,326 m²	
	EXISTING TREES TO REMAIN					
	EXISTING TREE PROTECTION AREA					

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

A
B

Detail number
Sheet number

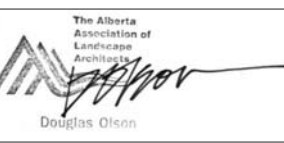
A Numéro de detail
B Numéro de la feuille

Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur



Parcs Canada

Parcs Canada

Canada

O2



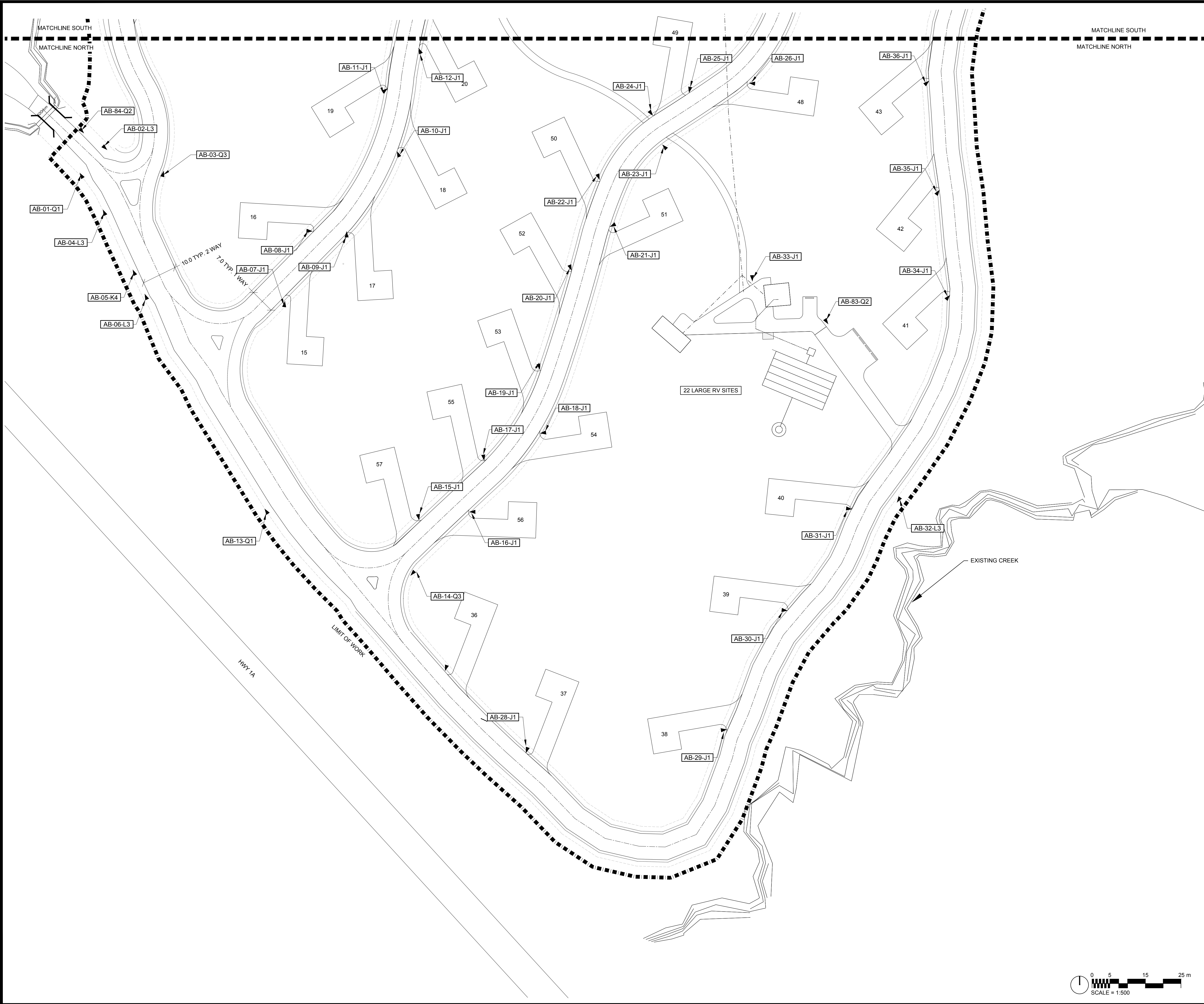
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

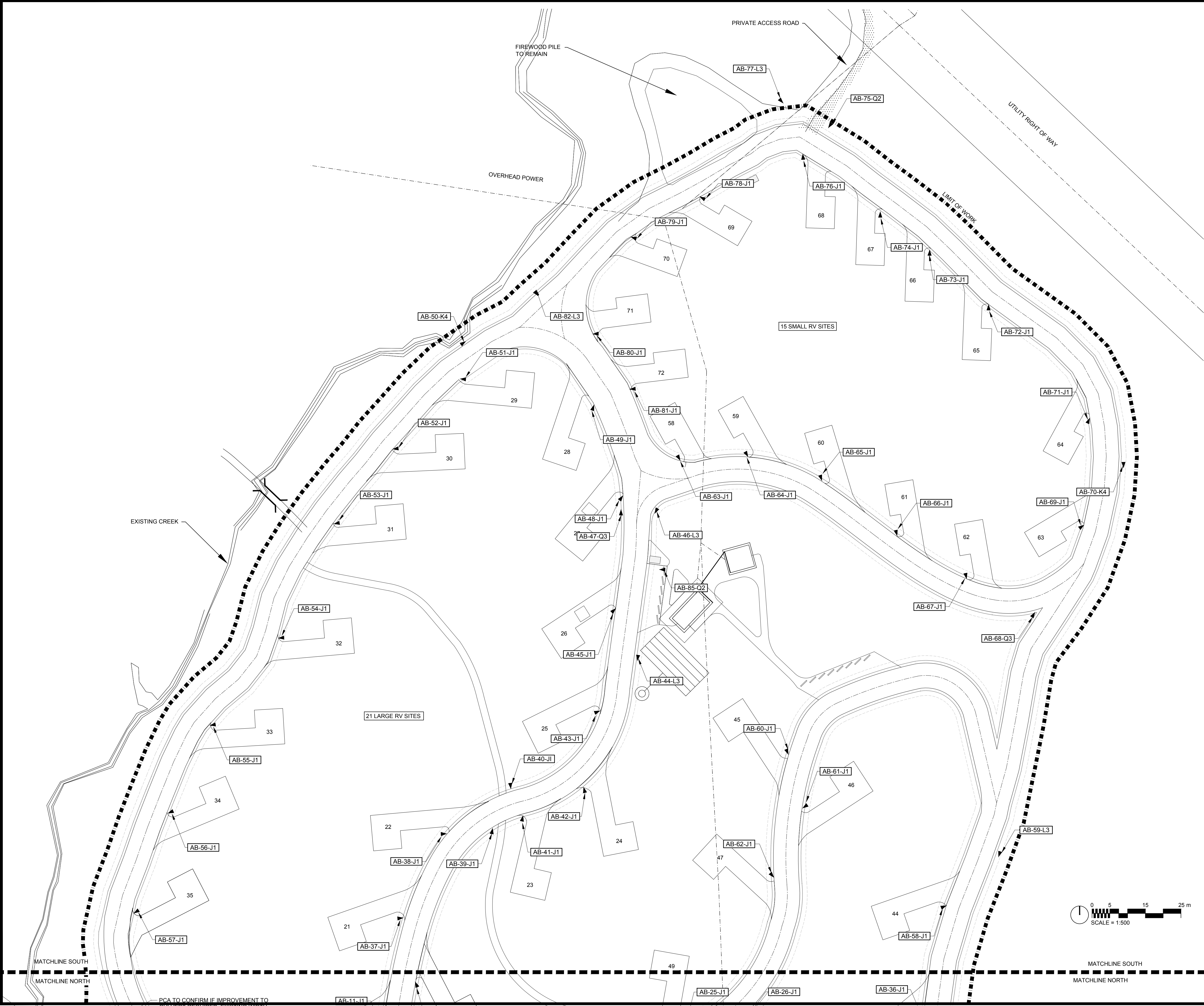
Drawing title/Titre du dessin

PLANTING PLAN NORTH

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle 1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nºde la feuille L6.01
Drawing Set No./Nº de série du dessin		





No.3					May6/16	Issued for Tender	SH/ZW	
No.2					Mar23/16	100% Submission	SH/ZW	
No.1					Feb29/16	90% Submission	SH/ZW	Approved
No.					Date	Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision								
<div><div>A</div><div>B</div></div>		Detail number Sheet number		A Numéro de détail B Numéro de la feuille				
Linear dimensions in millimetres				Dimensions linéaires en millimètres				
Consultant's Name Nom de l'expert-conseil						Eng. Stamp Sceau de l'ingénieur		
<div><div></div><div>Parks Canada</div></div>						<div><div></div><div>Parcs Canada</div></div>		
<div><div></div></div>								
<div><div></div><div></div><div>PLANNING + DESIGN</div></div>								
Project title/Titre du projet								
PROTECTION MOUNTAIN CAMPGROUND								
Drawing title/Titre du dessin								
WAYFINDING SIGNAGE PLAN SOUTH								
Surveyed by/Arpenté par			Drawn by/Dessiné par			Date		
###			SH			02/16/16		
Designed by/Concept par			Reviewed by/Revisé par			Scale/Échelle		
MM			MM			1:500		
Client Acceptance/Acceptation du client						Approved by/Approuvé par		
Date						Date		
Project No./Nº du projet			Asset No./Nº du bien			Sheet No./ Nº de la feuille		
150102						L7.01		
Drawing Set No./Nº de série du dessin								








No.3	May6/16	Issued for Tender	SH/ZW	
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No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
A	Detail number
B	Sheet number
A Numéro de détail	
B Numéro de la feuille	
Linear dimensions in millimetres	
Dimensions linéaires en millimètres	
Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur

**Parks Canada**

**Parcs Canada**

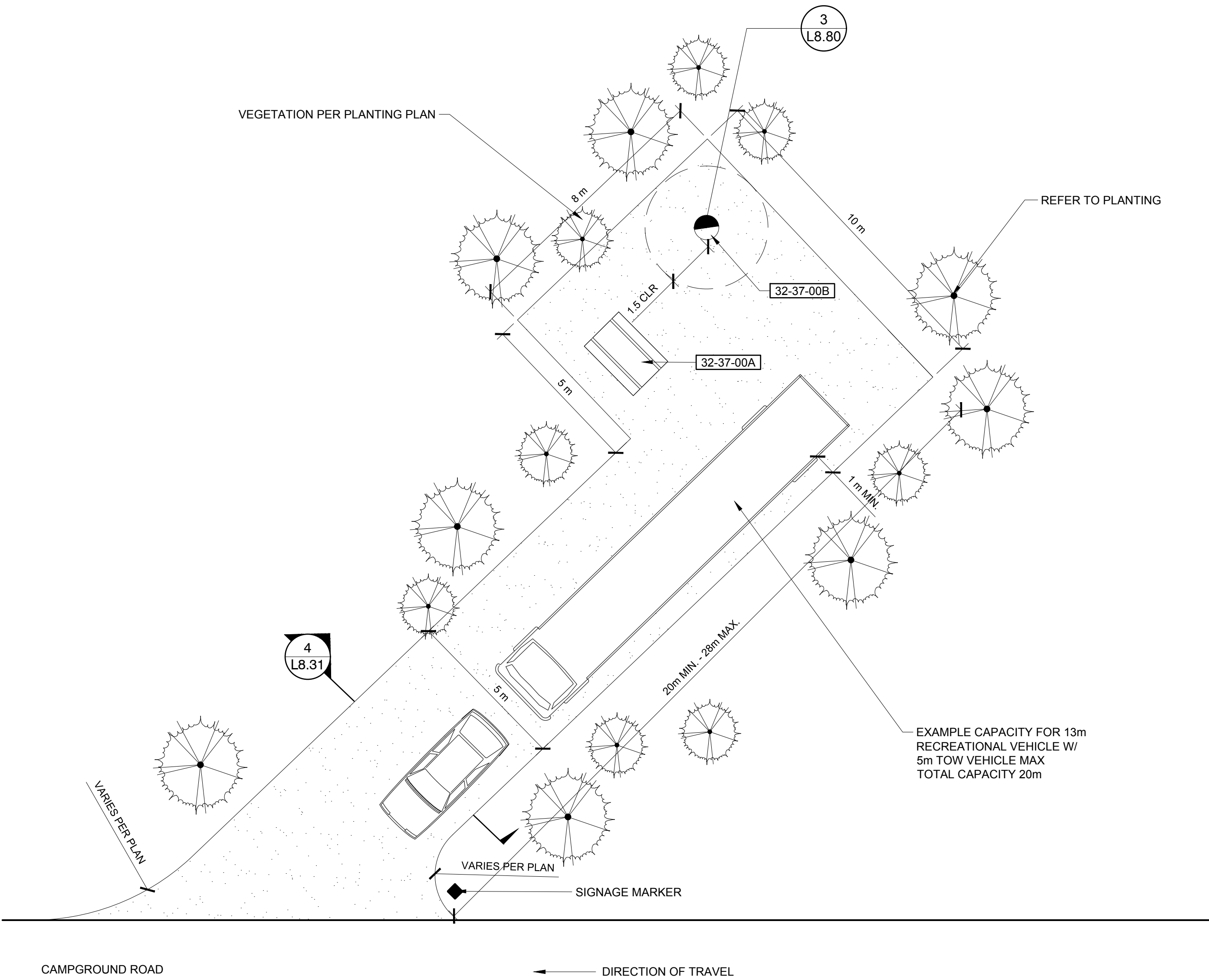
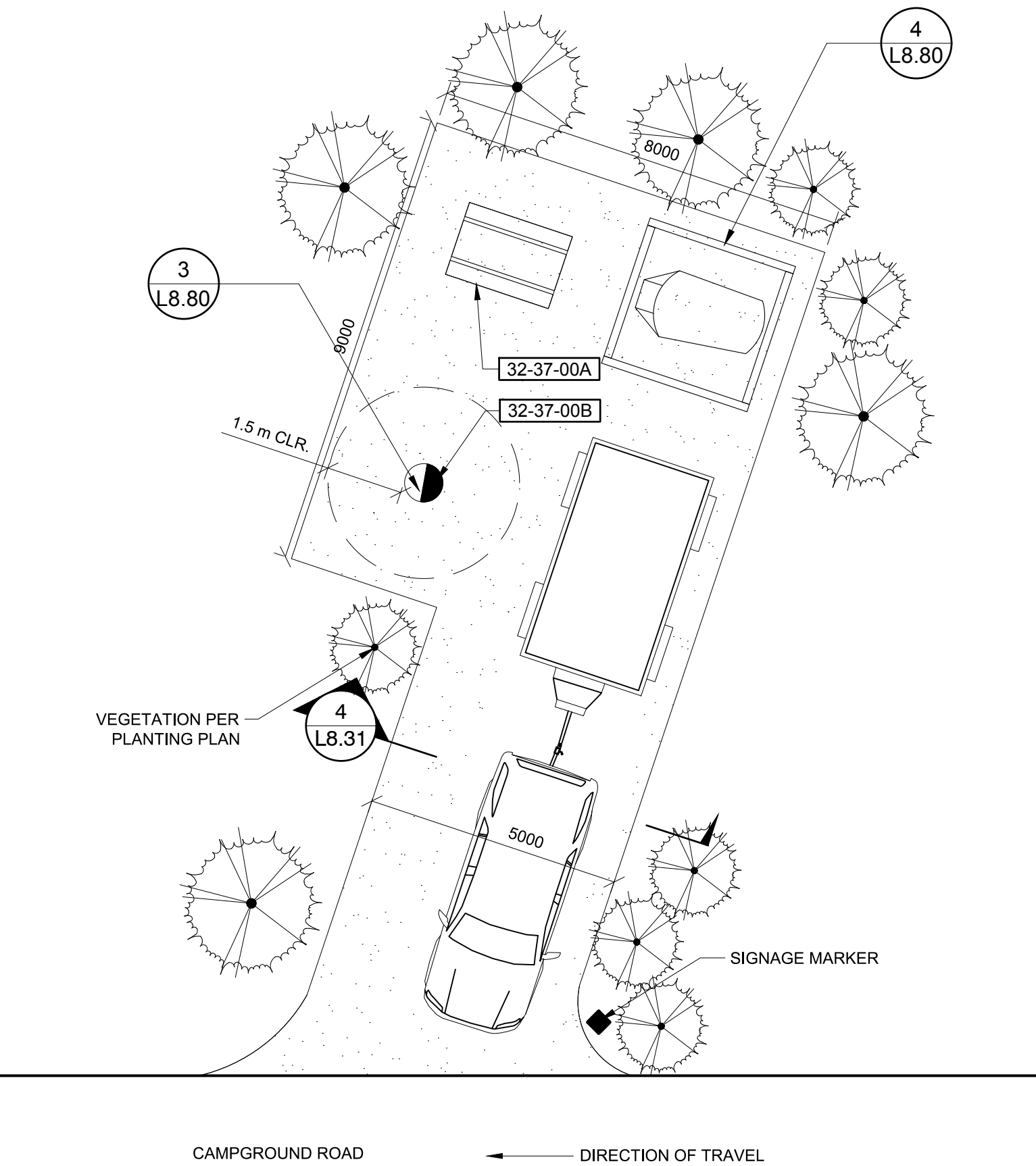
Canada



Basic Information					Legend					Installation									
Drawing number	Area locator	Sign number	Sign type	Layout option	Vehicular speed (km/h)	Pedestrian viewing distance (m)	x-height (mm)	Arrow (N,E,S,W)	English Message	French Message	Symbol Identification	Post type	Post finish	Post qty	Installation height (mm) (baseline)	Installation depth (mm)	Installation deviation (mm)	Panel height (mm)	Panel width (mm)
L7.01		1 Q1		14	20	N/A	25	E	No left turn			Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		2 L3		1	20	N/A	25	W	Keep straight			Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		3 Q3		7	20	N/A	25	N/A	Exit			Aluminum	Powder-coated black	2	2000	1000	400		
L7.01									No Entry										
L7.01		4 L3		1	20	N/A	25	N	Large RV Sites		6-4-013								
L7.01		5 K4		7	20	N/A	25	N/A	Small RV Sites		6-4-015	Aluminum	Powder-coated black	2	2000	1000	400		
L7.01									Tenting		6-4-001	Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		6 L3		1	20	N/A	25	N	20 Max										
L7.01		7 J1		5	20		6	25	15-35	15-35		Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		8 J1		5	20		6	25	36-57	36-57				1	600	600	150	50	90
L7.01		9 J1		5	20		6	25	58-72	58-72				1	600	600	150	50	90
L7.01		10 J1		5	20		6	25				Western Red Cedar		1	600	600	150	50	90
L7.01		11 J1		5	20		6	25				Western Red Cedar		1	600	600	150	50	90
L7.01		12 J1		5	20		6	25				Western Red Cedar		1	600	600	150	50	90
L7.01		13 Q1		14	20	N/A	25	E	No left turn			Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		14 Q3		7	20	N/A	25	N/A	Keep straight			Aluminum	Powder-coated black	2	2000				
L7.01		15 J1		5	20		6	25	No entry					1	600	600	150	50	90
L7.01		16 J1		5	20		6	25		57	57	Western Red Cedar		1	600	600	150	50	90
L7.01		17 J1		5	20		6	25		56	56	Western Red Cedar		1	600	600	150	50	90
L7.01		18 J1		5	20		6	25		55	55	Western Red Cedar		1	600	600	150	50	90
L7.01		19 J1		5	20		6	25		54	54	Western Red Cedar		1	600	600	150	50	90
L7.01		20 J1		5	20		6	25		53	53	Western Red Cedar		1	600	600	150	50	90
L7.01		21 J1		5	20		6	25		52	52	Western Red Cedar		1	600	600	150	50	90
L7.01		22 J1		5	20		6	25		51	51	Western Red Cedar		1	600	600	150	50	90
L7.01		23 J1		5	20		6	25		50	50	Western Red Cedar		1	600	600	150	50	90
L7.01		24 J1		5	20		6	25	Washroom		6-1-003	Western Red Cedar		1	600	600	150	50	90
L7.01		25 J1		5	20		6	25	Trail		6-4-006	Western Red Cedar		1	600	600	150	50	90
L7.01		26 J1		5	20		6	25		49	49	Western Red Cedar		1	600	600	150	50	90
L7.01		27 J1		5	20		6	25		48	48	Western Red Cedar		1	600	600	150	50	90
L7.01		28 J1		5	20		6	25		36	36	Western Red Cedar		1	600	600	150	50	90
L7.01		29 J1		5	20		6	25		37	37	Western Red Cedar		1	600	600	150	50	90
L7.01		30 J1		5	20		6	25		38	38	Western Red Cedar		1	600	600	150	50	90
L7.01		31 J1		5	20		6	25		39	39	Western Red Cedar		1	600	600	150	50	90
L7.01										40	40	Western Red Cedar		1	600	600	150	50	90
L7.01		32 L3		1	20	N/A	25	W	Garbage Kitchen		6-1-024								
L7.01		33 J1		5	20		6	25	Washroom		6-1-003	Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		34 J1		5	20		6	25	Trail		6-4-006	Western Red Cedar		1	600	600	150	50	90
L7.01		35 J1		5	20		6	25		41	41	Western Red Cedar		1	600	600	150	50	90
L7.01		36 J1		5	20		6	25		42	42	Western Red Cedar		1	600	600	150	50	90
L7.02		37 J1		5	20		6	25		43	43	Western Red Cedar		1	600	600	150	50	90
L7.02		38 J1		5	20		6	25		21	21	Western Red Cedar		1	600	600	150	50	90
L7.02		39 J1		5	20		6	25		22	22	Western Red Cedar		1	600	600	150	50	90
L7.02		40 J1		5	20		6	25	Washroom			Western Red Cedar		1	600	600	150	50	90
L7.02		41 J1		5	20		6	25	Trail			Western Red Cedar		1	600	600	150	50	90
L7.02		42 J1		5	20		6	25		23	23	Western Red Cedar		1	600	600	150	50	90
L7.02		43 J1		5	20		6	25		24	24	Western Red Cedar		1	600	600	150	50	90
L7.02										25	25	Western Red Cedar		1	600	600	150	50	90
L7.02		44 L3		1	20	N/A	25	E	Accessible Campsite		6-1-032								
L7.02		45 J1		5	20		6	25	Kitchen		6-1-003	Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		46 L3		1	20	N/A	25	E	Washroom										
L7.02		47 Q3		7	20	N/A	25	N/A	Max 14 m			Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		48 J1		5	20		6	25	Max 10 m			Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		49 J1		5	20		6	25	No entry			Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		50 K4		7	20	N/A	25	N/A		27	27	Western Red Cedar		1	600	600	150	50	90
L7.02		51 J1		5	20		6	25		28	28	Western Red Cedar		1	600	600	150	50	90
L7.02		52 J1		5	20		6	25				Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		53 J1		5	20		6	25	20 Max			Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		54 J1		5	20		6	25		29	29	Western Red Cedar		1	600	600	150	50	90
L7.02		55 J1		5	20		6	25		30	30	Western Red Cedar		1	600	600	150	50	90
L7.02		56 J1		5	20		6	25		31	31	Western Red Cedar		1	600	600	150	50	90
L7.02		57 J1		5	20		6	25		32	32	Western Red Cedar		1	600	600	150	50	90
L7.02		58 J1		5	20		6	25		33	33	Western Red Cedar		1	600	600	150	50	90
L7.02										34	34	Western Red Cedar		1	600	600	150	50	90
L7.02										35	35	Western Red Cedar		1	600	600	150	50	90
L7.02										44	44	Western Red Cedar		1	600	600	150	50	90
L7.02		59 L3		1	20	N/A	25	W	Garbage Kitchen		6-1-024								
L7.02		60 J1		5	20		6	25	Washroom		6-1-003	Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		61 J1		5	20		6	25		45	45	Western Red Cedar		1	600	600	150	50	90
L7.02		62 J1		5	20		6	25		46	46	Western Red Cedar		1	600	600	150	50	90
L7.02		63 J1		5	20		6	25		47	47	Western Red Cedar		1	600	600	150	50	90
L7.02		64 J1		5	20		6	25		58	58	Western Red Cedar		1	600	600	150	50	90
L7.02		65 J1		5	20		6	25		59	59	Western Red Cedar		1	600	600	150	50	90
L7.02		66 J1		5	20		6	25		60	60	Western Red Cedar		1	600	600	150	50	90
L7.02		67 J1		5	20		6	25		61	61	Western Red Cedar		1	600	600	150	50	90
L7.02		68 Q3		7	20	N/A	25	N/A		62	62	Western Red Cedar		1	600	600	150	50	90
L7.02		69 J1		5	20		6	25	No entry			Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		70 K4		7	20	N/A	25	N/A		63	63	Western Red Cedar		1	600	600	150	50	90
L7.02		71 J1		5	20		6	25		64	64	Western Red Cedar		1	600	600	150	50	90
L7.02		72 J1		5	20		6	25		65	65	Western Red Cedar		1	600	600	150	50	90
L7.02		73 J1		5	20		6	25		66	66	Western Red Cedar		1	600	600	150	50	90
L7.02		74 J1		5	20		6	25		67	67	Western Red Cedar		1	600	600	150	50	90
L7.02		75 Q2		6	20	N/A	25	N/A	Authorized Access Only			Aluminum	Powder-coated black	2	2000	1000	400		
L7.02		76 J1		5	20		6	25		68	68	Western Red Cedar		1	600	600	150	50	90
L7.02		77 L3		1	20	N/A	25	W	Firewood Pile		6-1-064	Aluminum		2	2000	1000	400		
L7.02		78 J1		5	20		6	25		69	69	Western Red Cedar		1	600	600	150	50	90
L7.02		79 J1		5	20		6	25		70	70	Western Red Cedar		1	600	600	150	50	90
L7.02		80 J1		5	20		6	25		71	71	Western Red Cedar		1	600	600	150	50	90
L7.02		81 J1		5	20		6	25		72	72	Western Red Cedar		1	600	600	150	50	90
L7.02		82 L3		1	20	N/A	25	S	Exit			Aluminum	Powder-coated black	2	2000	1000	400		
L7.01		83 Q2		6	20	N/A	25	N/A	Maintenance vehicle only			Aluminum	Powder-coated black	2	2000	1000	400	50	90
L7.01		84 Q2		6	20	N/A	25	N/A	Yield to oncoming traffic			Aluminum	Powder-coated black	2	2000	1000	400	50	90
L7.02		85 Q2</																	

REFERENCE NOTES SCHEDULE

SYMBOL	FURNITURE DESCRIPTION
[12-50-00A]	INSTALL 1 PICNIC TABLE PER SITE AS PER SPECIFICATIONS.
[12-50-00B]	INSTALL 1 FIRE RING PER SITE AS PER SPECIFICATIONS.



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No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
A	Detail number A Numéro de détail
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Linear dimensions in millimetres	
Dimensions linéaires en millimètres	
Consultant's Name Nom de l'expert-conseil	
Eng. Stamp Sceau de l'ingénieur	

 Parks Canada

 Parcs Canada

Canada

  PLANNING + DESIGN

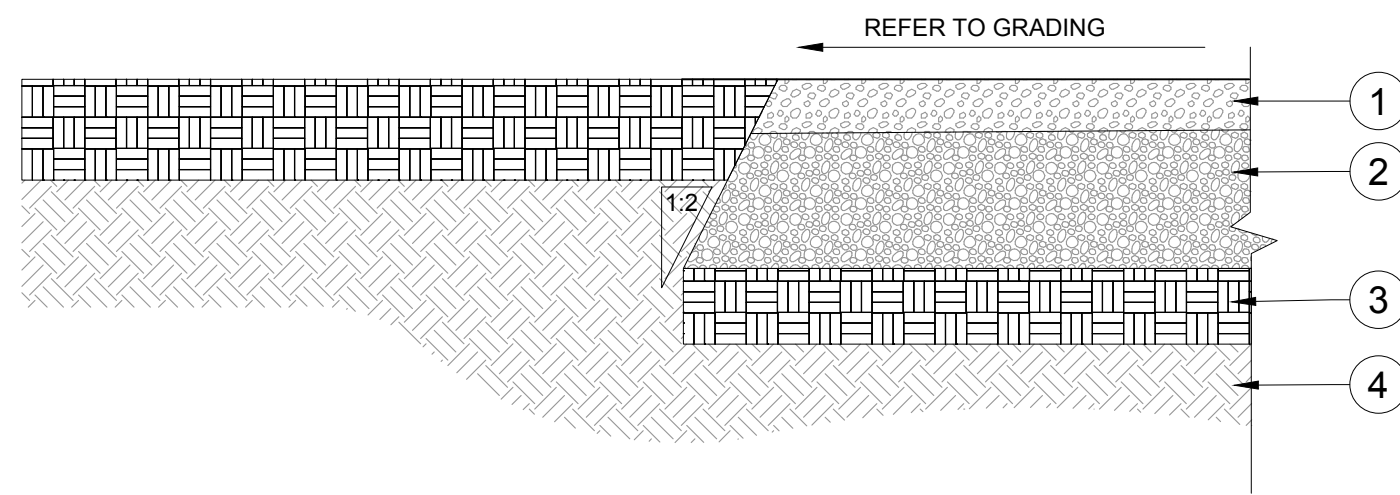
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

ROADWAY + TRAIL DETAILS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
SH	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		L8.30
Drawing Set No./Nº de série du dessin		

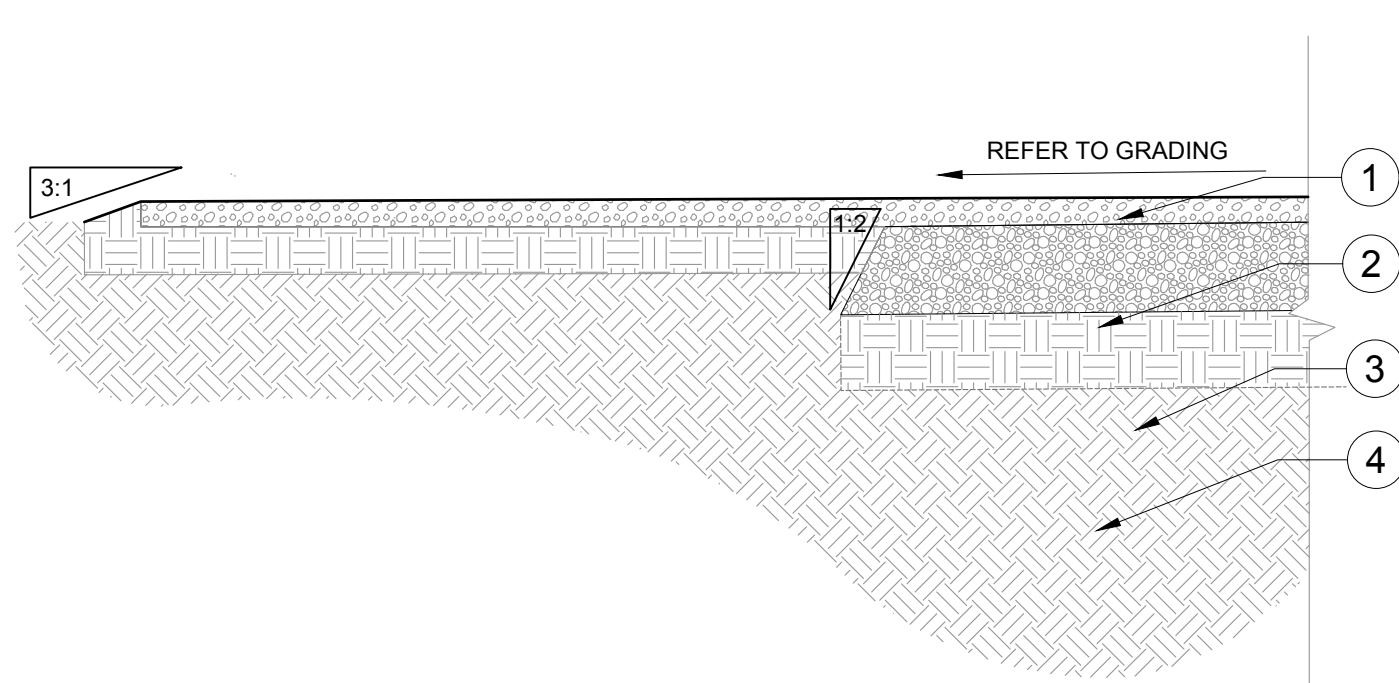


- 1 100mm GRANULAR SURFACING
2 275mm GRANULAR BASE
3 150mm COMPACTED SUBGRADE
4 NON-COMPACTED SUBGRADE
- NOTE:
CLEAR & GRUB ALL EXISTING
TREE STUMPS, SCARIFY
EXISTING SUB-BASE TO DEPTH
OF 150mm. RECOMPACT TO 98%
SPD & PROOF ROLL.

1 GRANULAR ROADWAY: NEW

1:15

P-02-PM-34



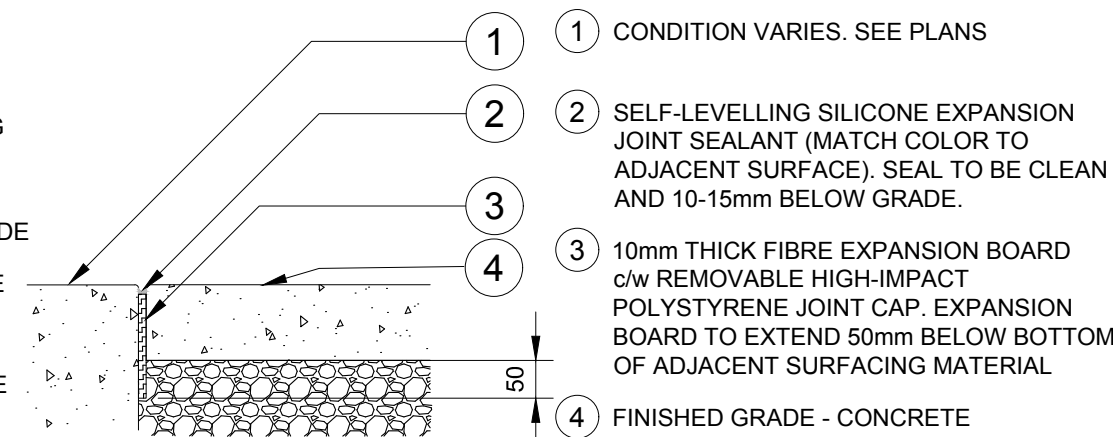
- 1 50mm GRANULAR SURFACING
2 175mm GRANULAR BASE
3 150mm COMPACTED SUBGRADE
4 NON-COMPACTED SUBGRADE

NOTE:
CLEAR & GRUB ALL EXISTING TREE
STUMPS. SCARIFY EXISTING
SUB-BASE TO DEPTH OF 150mm.
RECOMPACT TO 98% SPD & PROOF
ROLL.

2 GRANULAR ROADWAY: RESURFACE EXISTING

1:15

P-02-PM-35

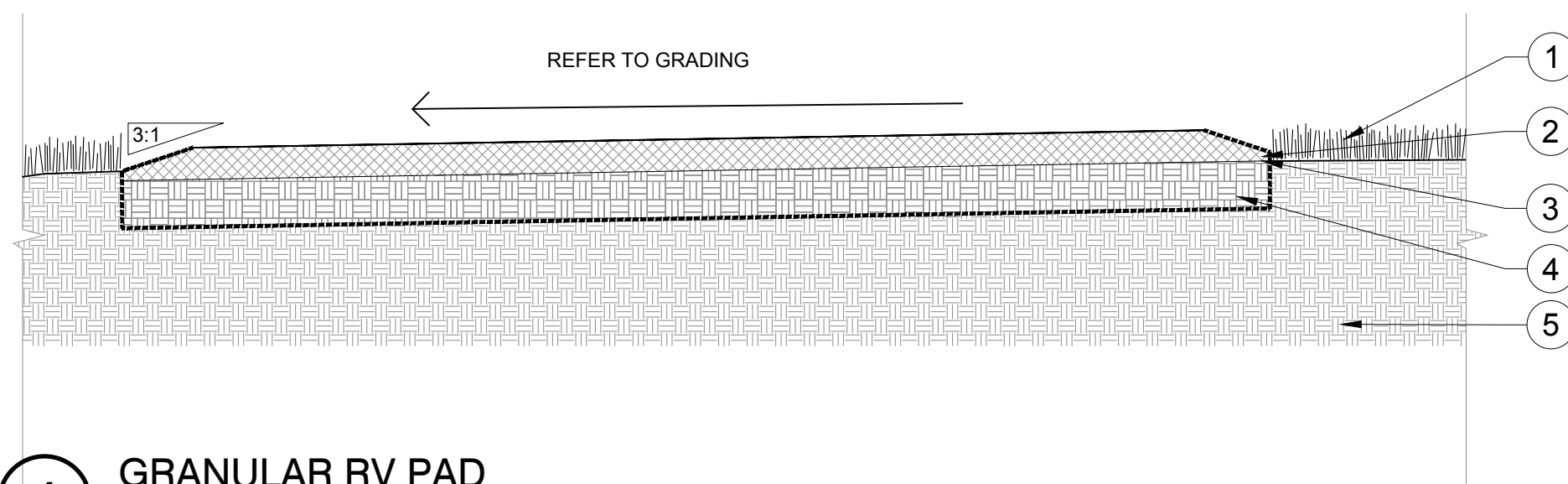


- 1 50mm GRANULAR SURFACING
2 175mm GRANULAR BASE
3 150mm COMPACTED SUBGRADE
4 NON-COMPACTED SUBGRADE
- 1 CONDITION VARIES. SEE PLANS
2 SELF-LEVELLING SILICONE EXPANSION
JOINT SEALANT (MATCH COLOR TO
ADJACENT SURFACE). SEAL TO BE CLEAN
AND 10-15mm BELOW GRADE.
3 10mm THICK FIBRE EXPANSION BOARD
c/w REMOVABLE HIGH-IMPACT
POLYSTYRENE JOINT CAP. EXPANSION
BOARD TO EXTEND 50mm BELOW BOTTOM
OF ADJACENT SURFACING MATERIAL
4 FINISHED GRADE - CONCRETE

3 EXPANSION JOINT

1:10

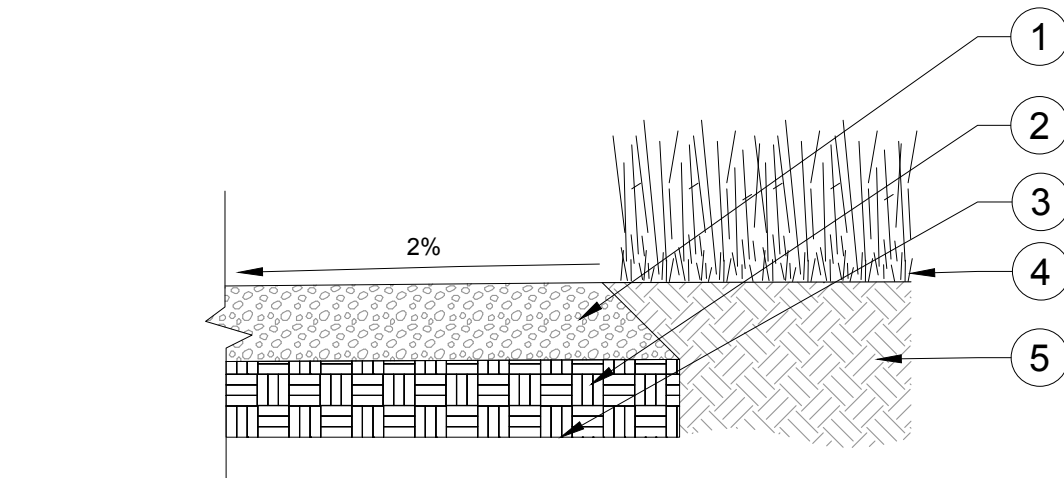
P-02-STS-13



4 GRANULAR RV PAD

1:20

P-02-PM-07

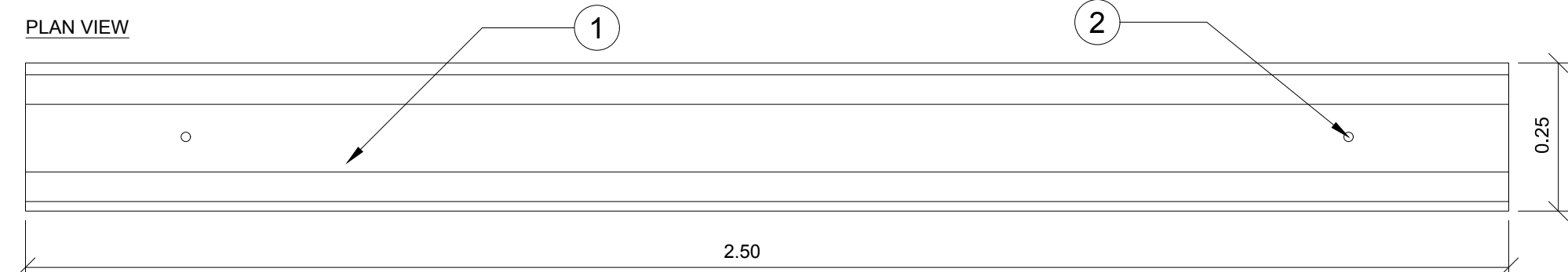


5 GRANULAR TRAIL

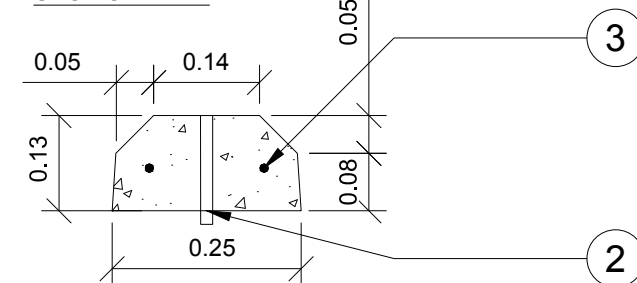
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P-02-PM-01

PLAN VIEW



SECTION VIEW

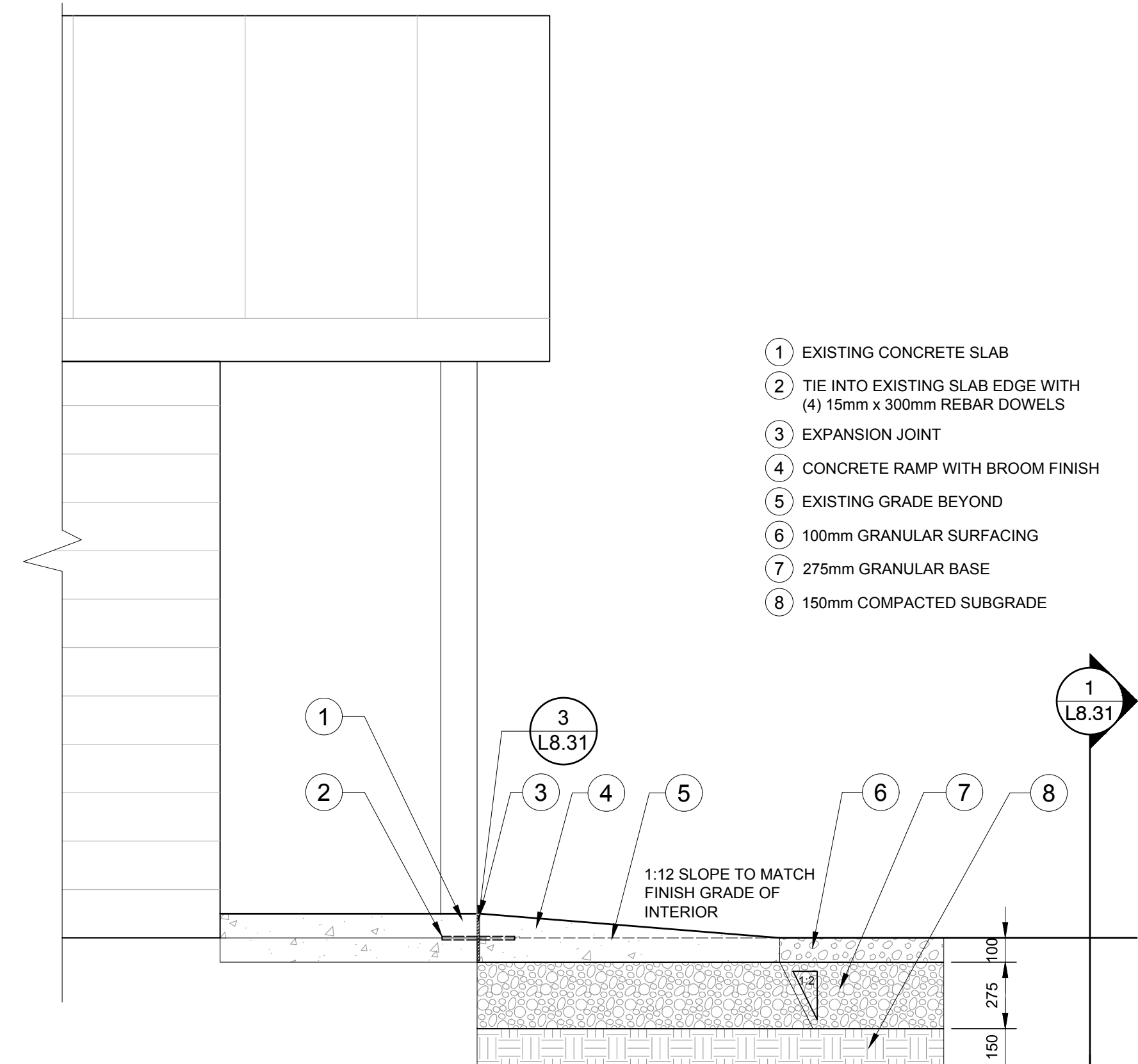


- 1 PRECAST CONCRETE CURB WITH DOWEL HOLES FOR ANCHORING
CURB
2 #4 (12.7mm) REBAR ANCHOR PINS IN CURB
3 #3 (9.5mm) REINFORCING BAR TYP.

6 PARKING CURB DETAIL

1:10

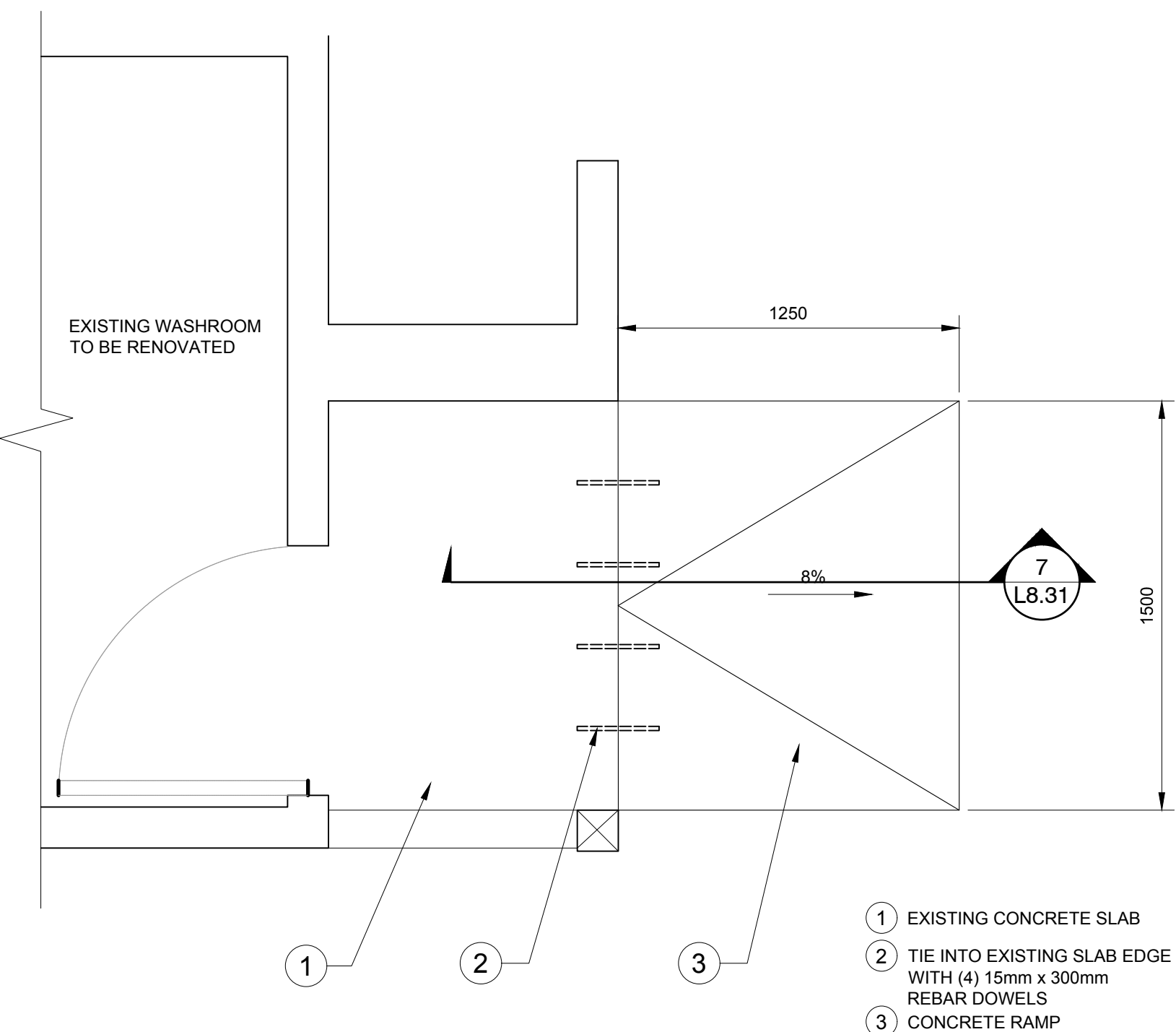
O2-32-15-033366-16



7 CONCRETE ACCESSIBILITY RAMP SECTION

1:20

O2-32-15-43



8 CONCRETE ACCESSIBILITY RAMP PLAN

1:20

O2-32-15-44

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur

Parcs Canada Parcs Canada

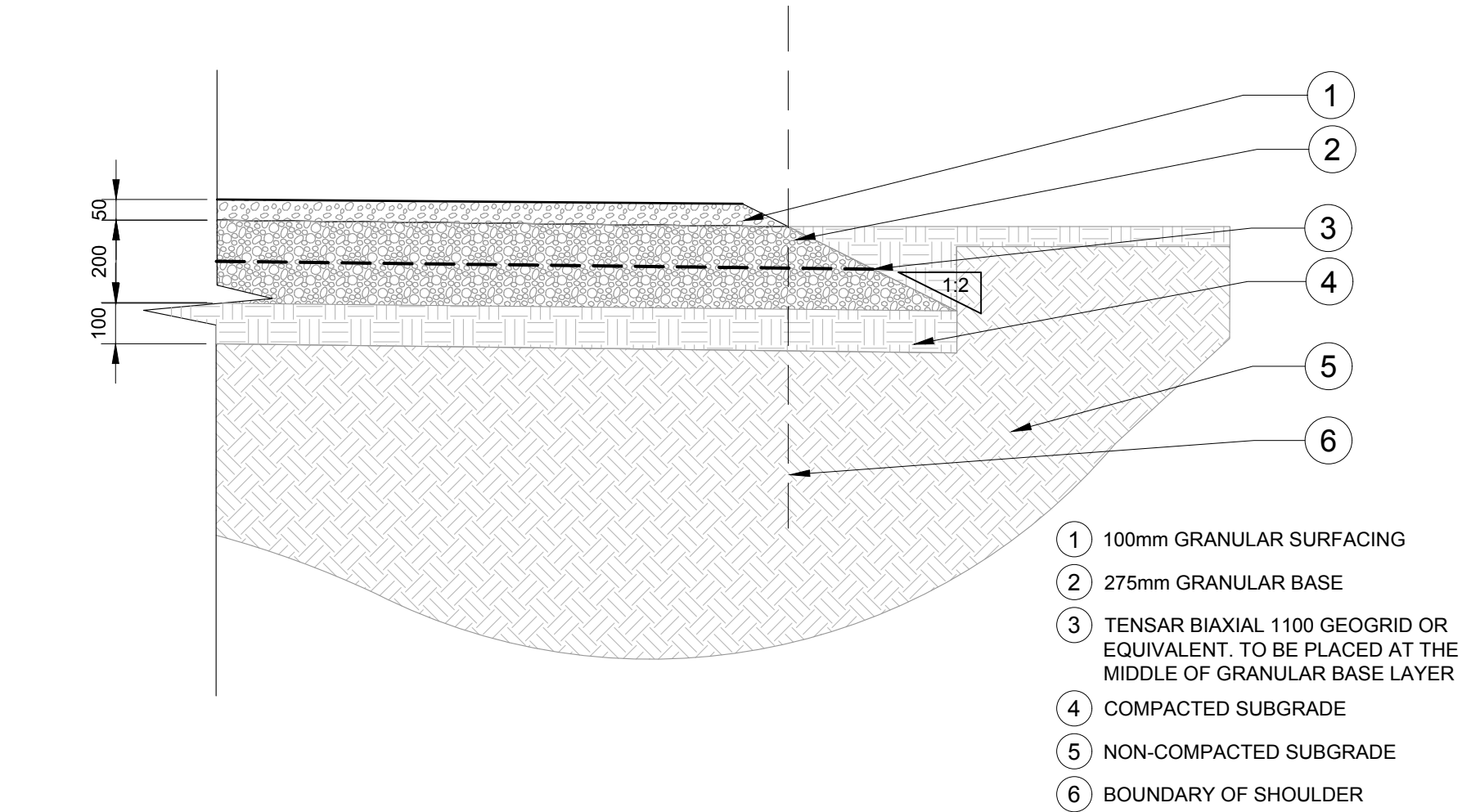
Canada

O2 PLANNING + DESIGN

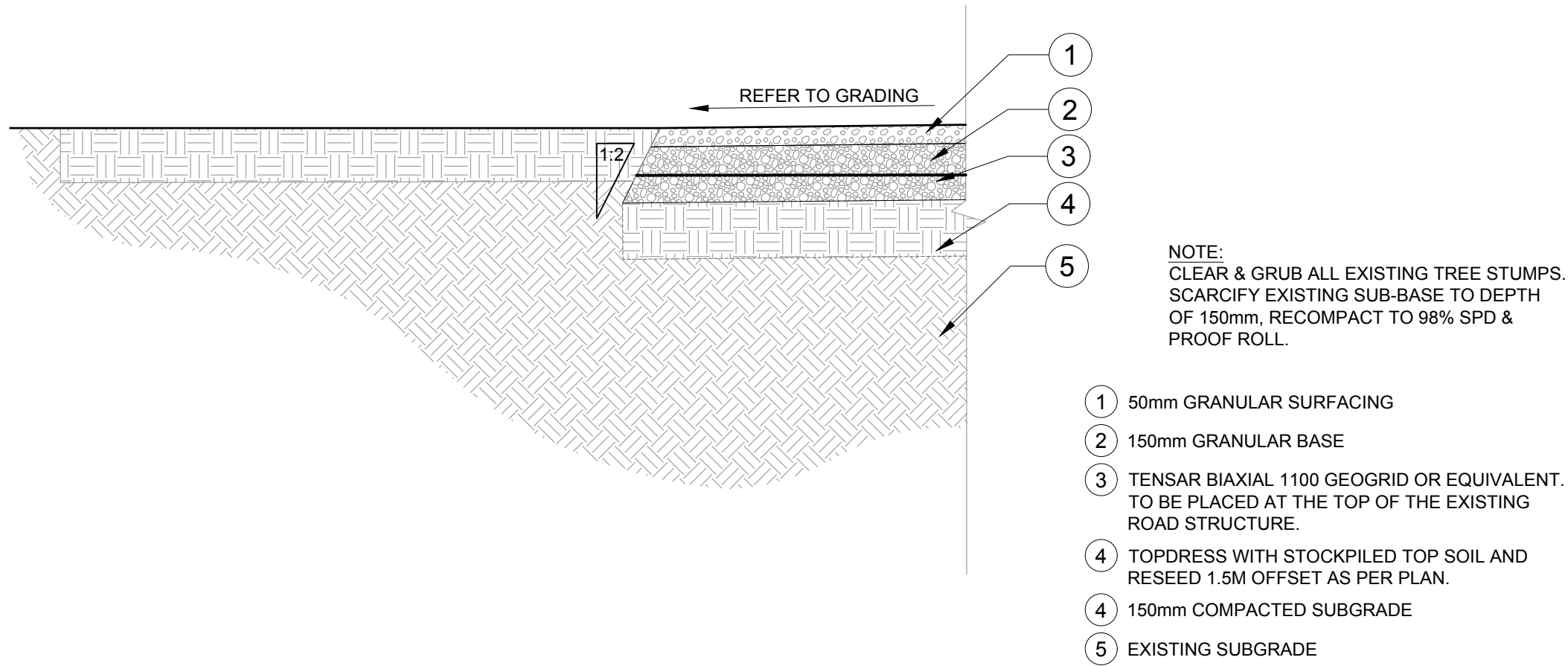
Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin
ROADWAY AND TRAIL DETAILS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
MM	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		L8.31
Drawing Set No./Nº de série du dessin		



1 NEW ROADWAY - GEOGRID DESIGN
1:15 P-Q2-PM-29



2 EXISTING RING ROAD OVERLAY - GEOGRID DESIGN
1:15 P-Q2-PM-37

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
Linear dimensions in millimetres		Dimensions linéaires en millimètres		
Consultant's Name Nom de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	

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Canada

O2 **PLANNING + DESIGN**

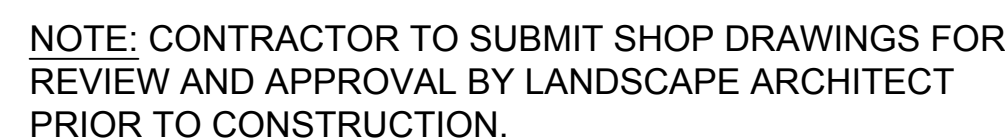
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

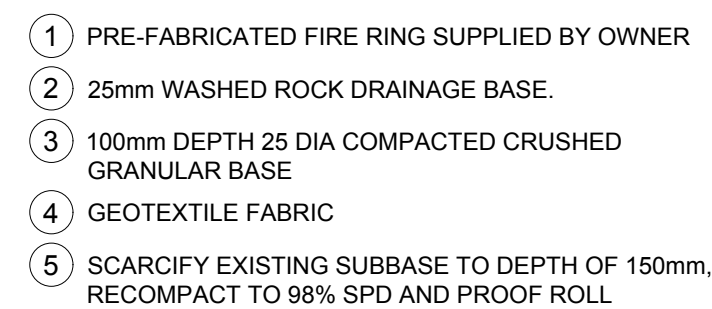
Drawing title/Titre du dessin

ROADWAY AND TRAIL DETAILS

Surveyed by/Arpenté par	Drawn by/Dessiné par SH	Date 02/16/16
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nº de la feuille
Drawing Set No./Nº de série du dessin		L8.32



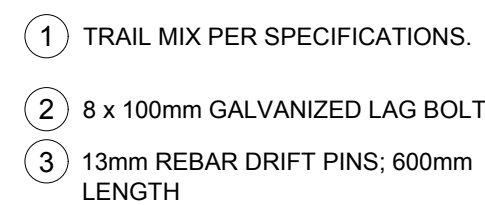
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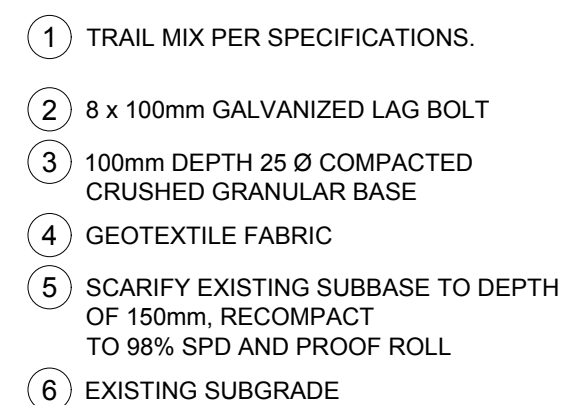
NOTES:

ORIENT FIRE RINGS AS INDICATED IN FIELD

P-02-PM-06



O2-32-15-18




P-02-PM-49

Revision / Revision

Linear dimensions in millimetres	Dimensions linéaires en millimètres
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The Alberta
Association of
Landscape
Architects



Douglas Olson

Canada

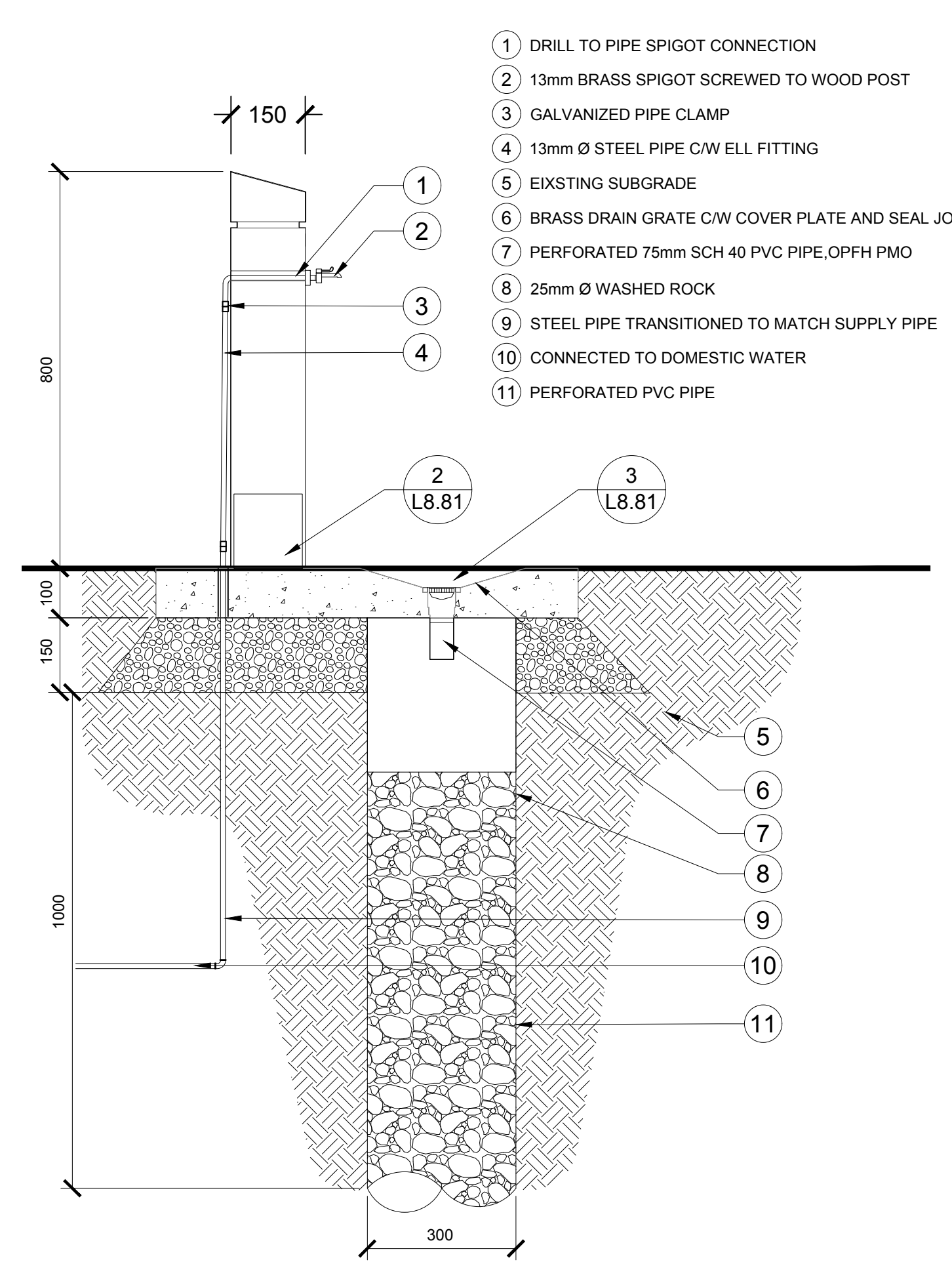


Drawing title/Titre du dessin

SITE FURNISHING DETAILS

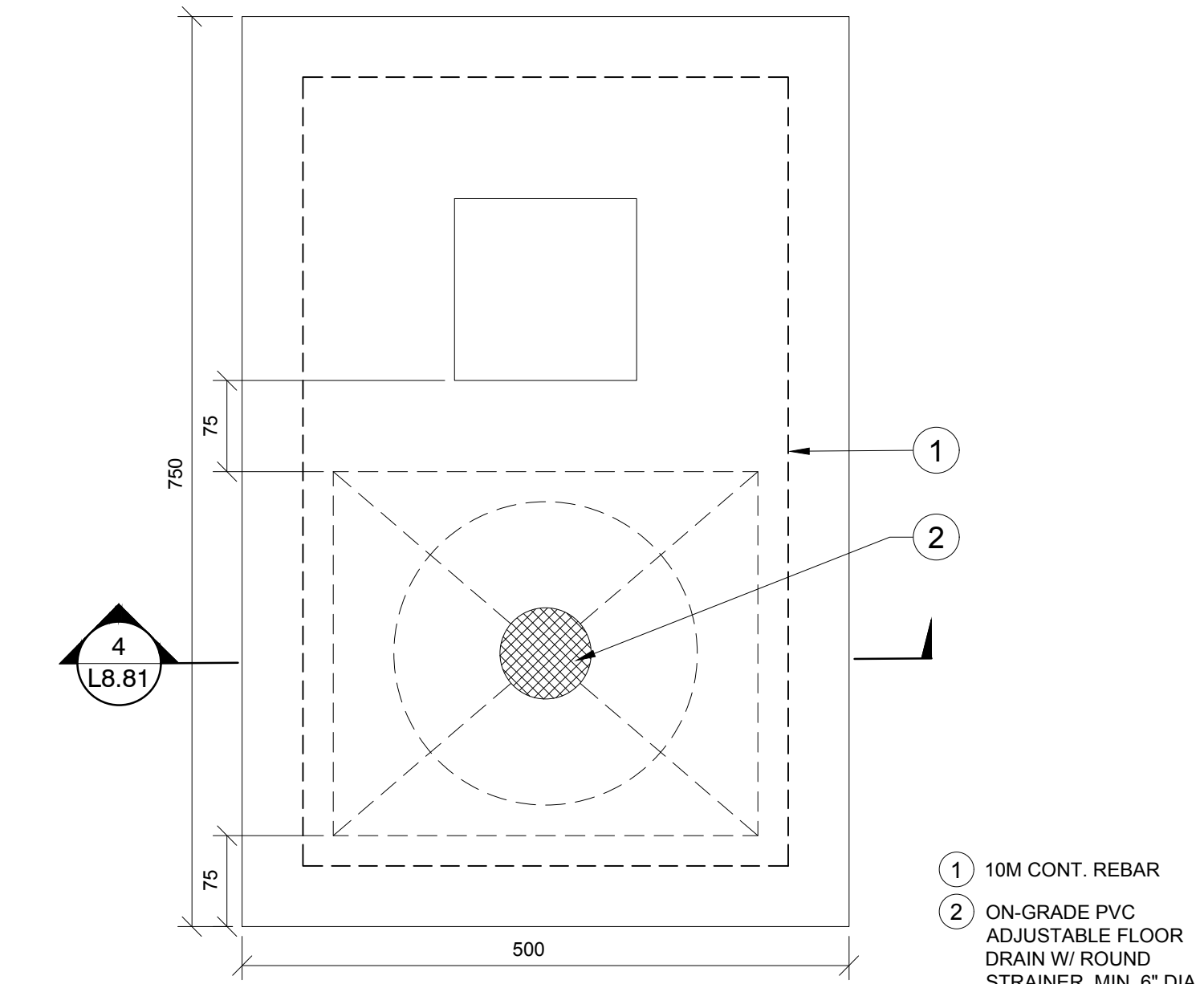
Client Acceptance/Acceptation du client	Approved by/Approuvé par
_____ Date	_____ Date

L8.80

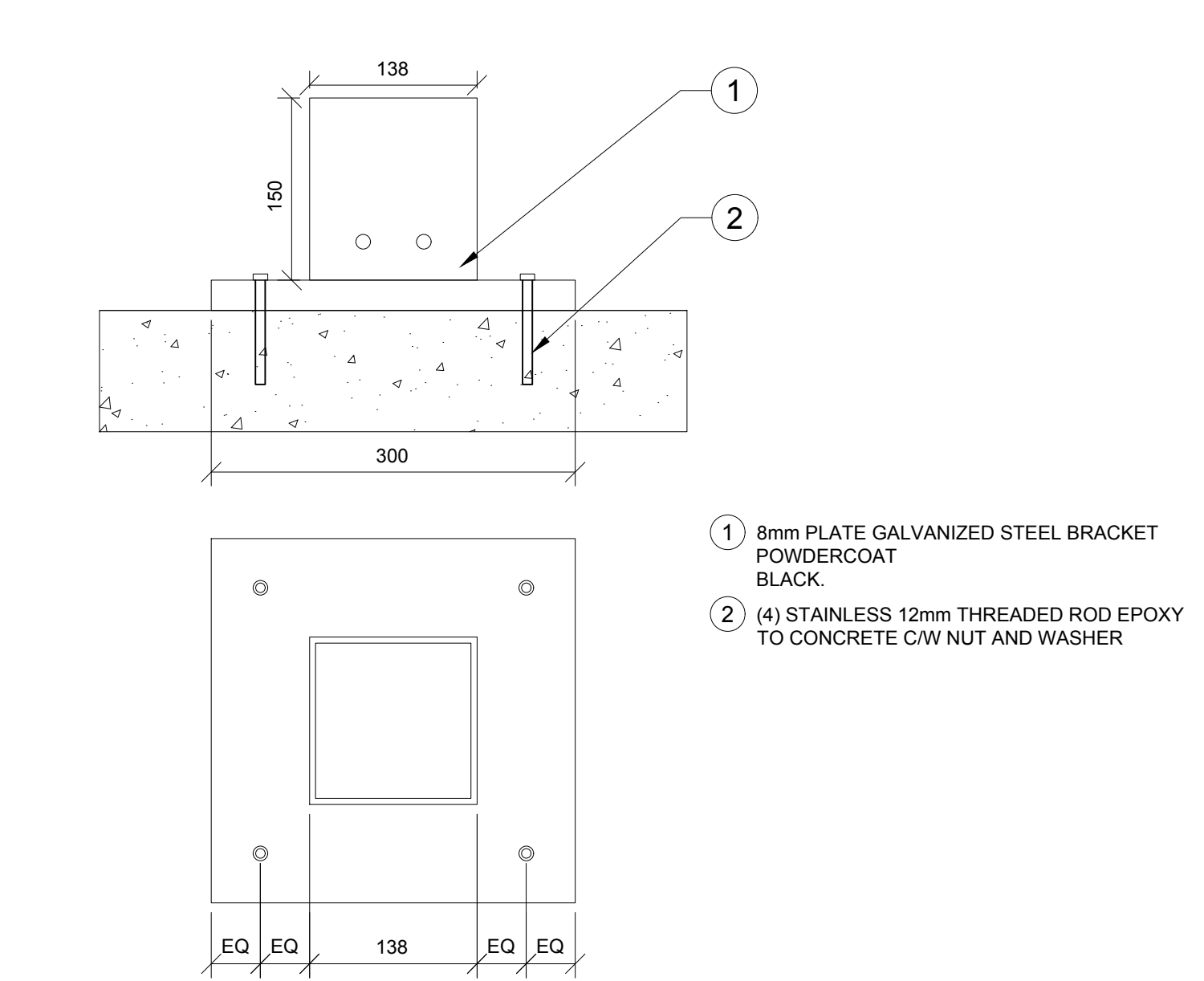


NOTE: CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

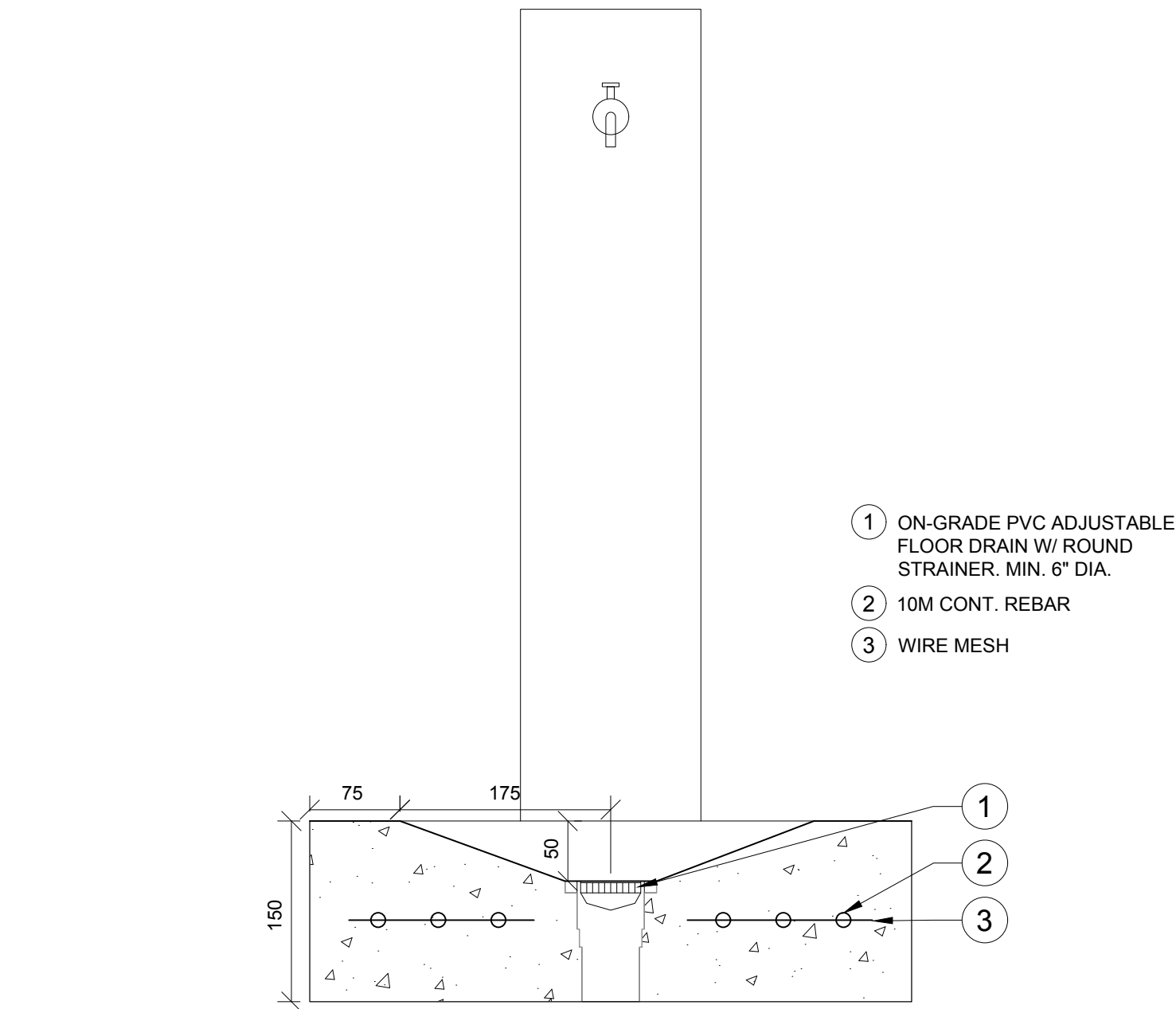
1 POST MOUNTED WATER SPIGOT
1:10 O2-32-15-010616-02



3 CONCRETE SPLASH PAD
1:5 O2-32-15-39



2 STEEL MOUNTING BRACKET
1:5 O2-32-15-30



4 SECTION A-A
1:5 O2-32-15-38

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
Linear dimensions in millimetres		Dimensions linéaires en millimètres		
Consultant's Name Nom de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	

 Parks Canada

 Parcs Canada

Canada

O2

 PLANNING + DESIGN

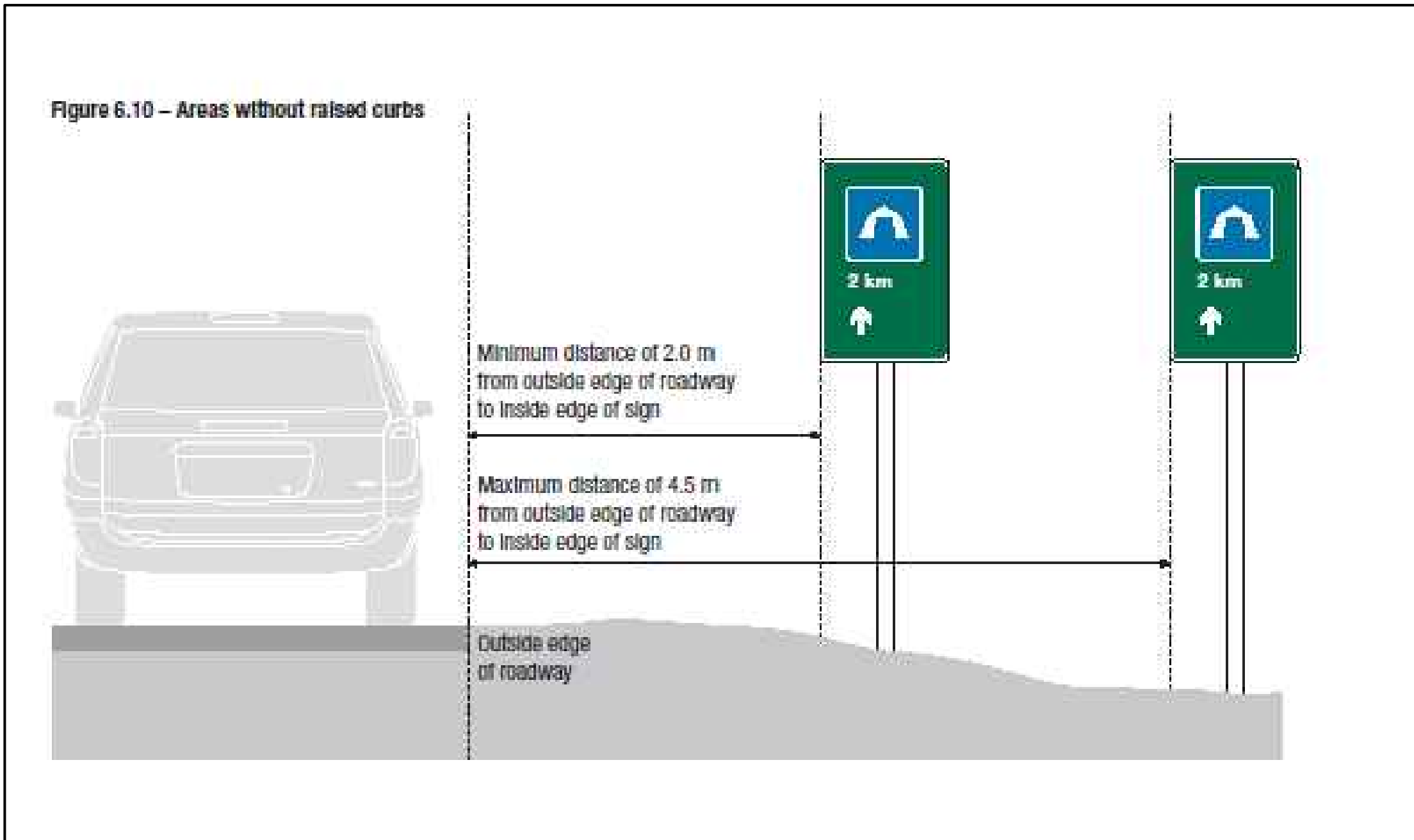
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

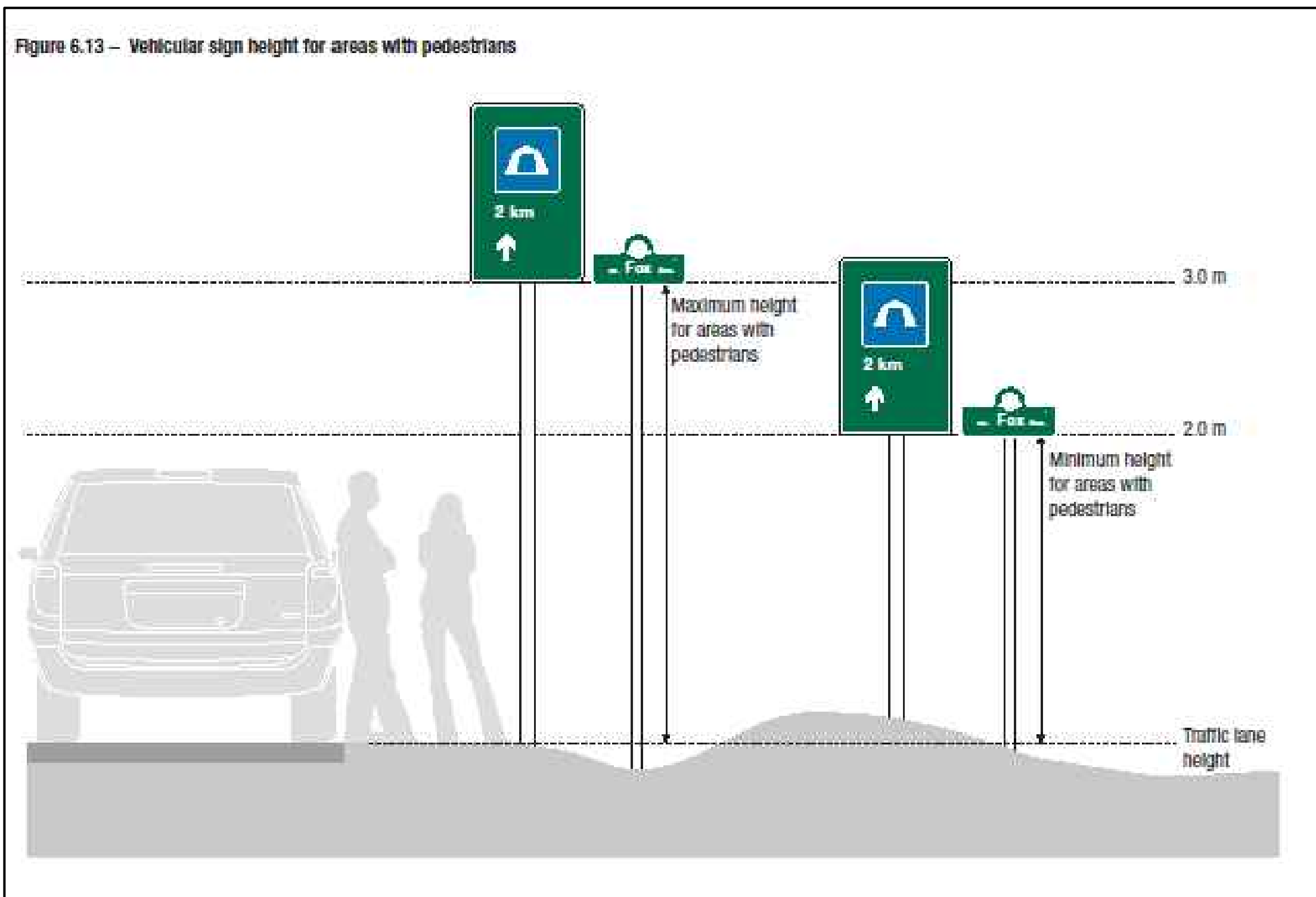
Drawing title/Titre du dessin

SITE FURNISHING DETAILS

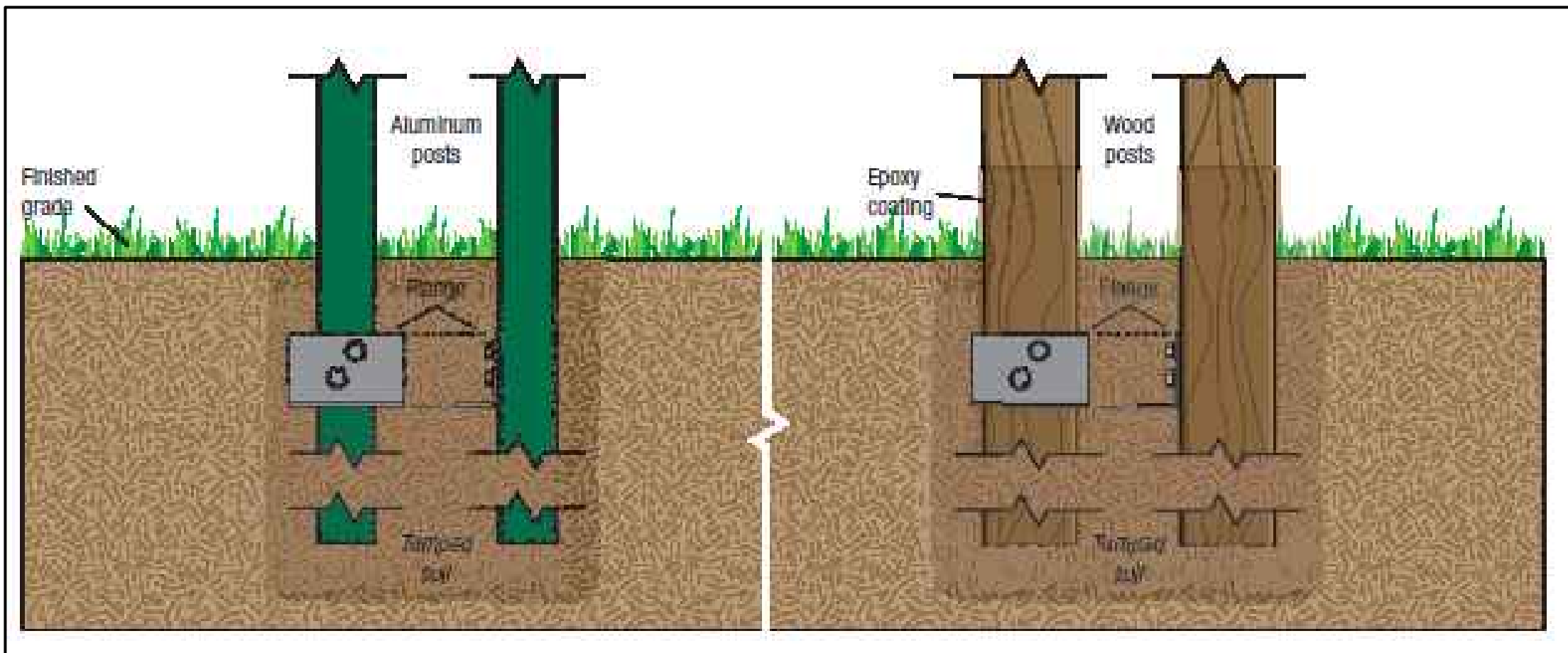
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		L8.81
Drawing Set No./Nº de série du dessin		



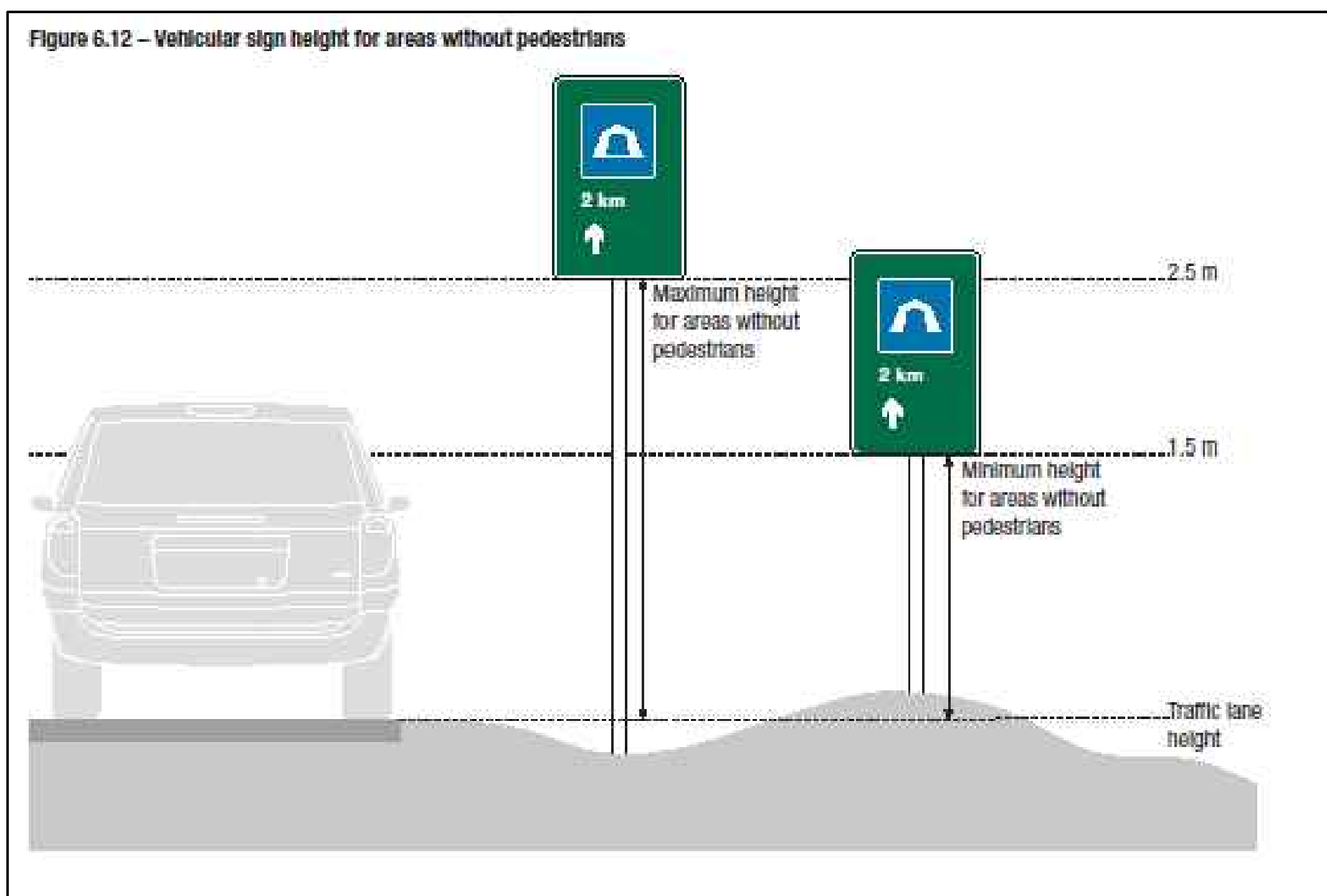
1 SIGNAGE HEIGHT - AREAS WITHOUT RAISED CURBS



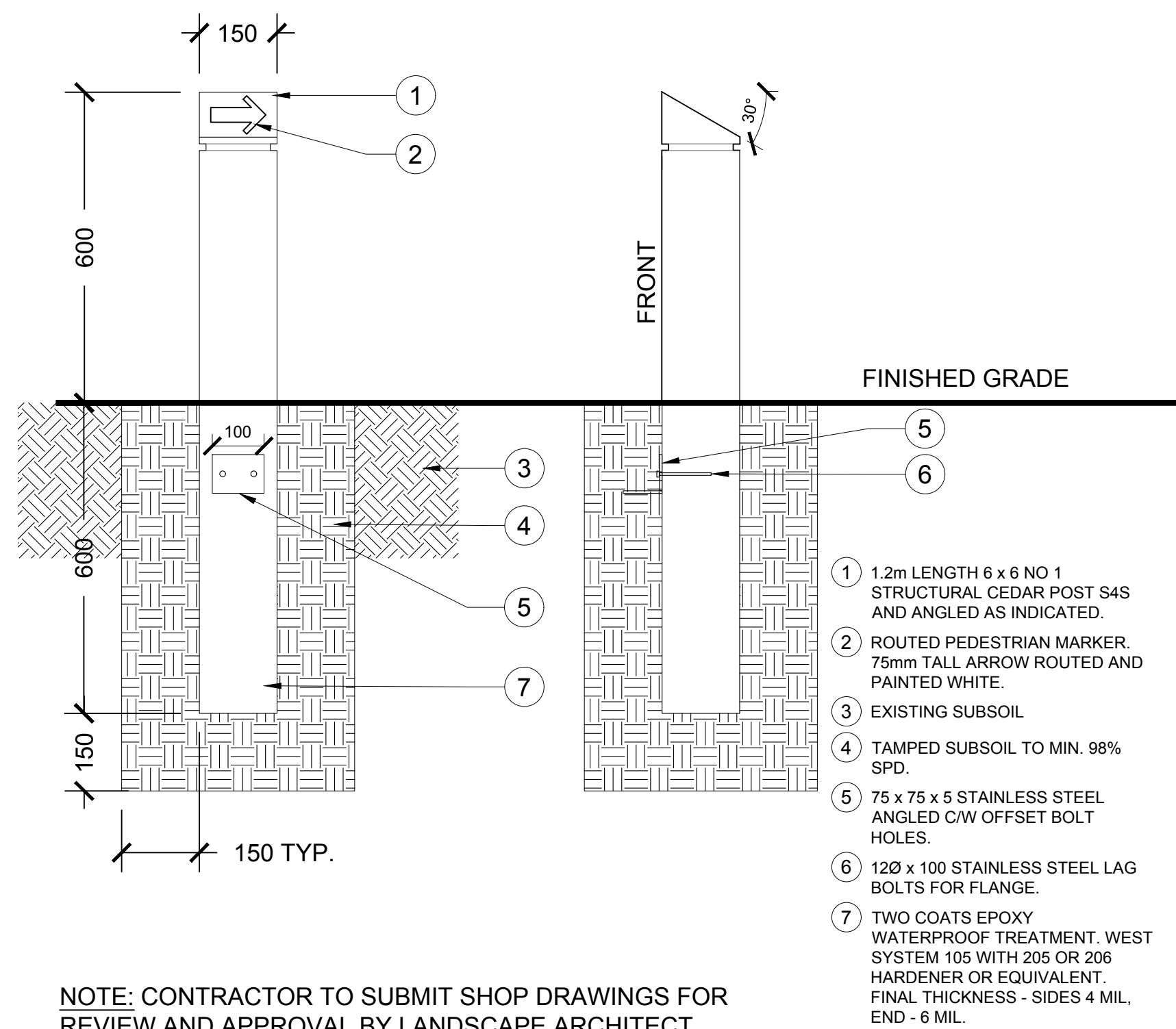
3 VEHICULAR SIGN HEIGHT FOR AREAS WITH PEDESTRIANS



4 DIRECT EMBEDMENT FOR ALUMINUM AND WOOD POSTS



2 VEHICULAR SIGN HEIGHT FOR AREAS WITHOUT PEDESTRIANS



NOTE: CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

5 PEDESTRIAN MARKER

1:10

O2-32-15-055213-14

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
Linear dimensions in millimetres		Dimensions linéaires en millimètres		
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur		

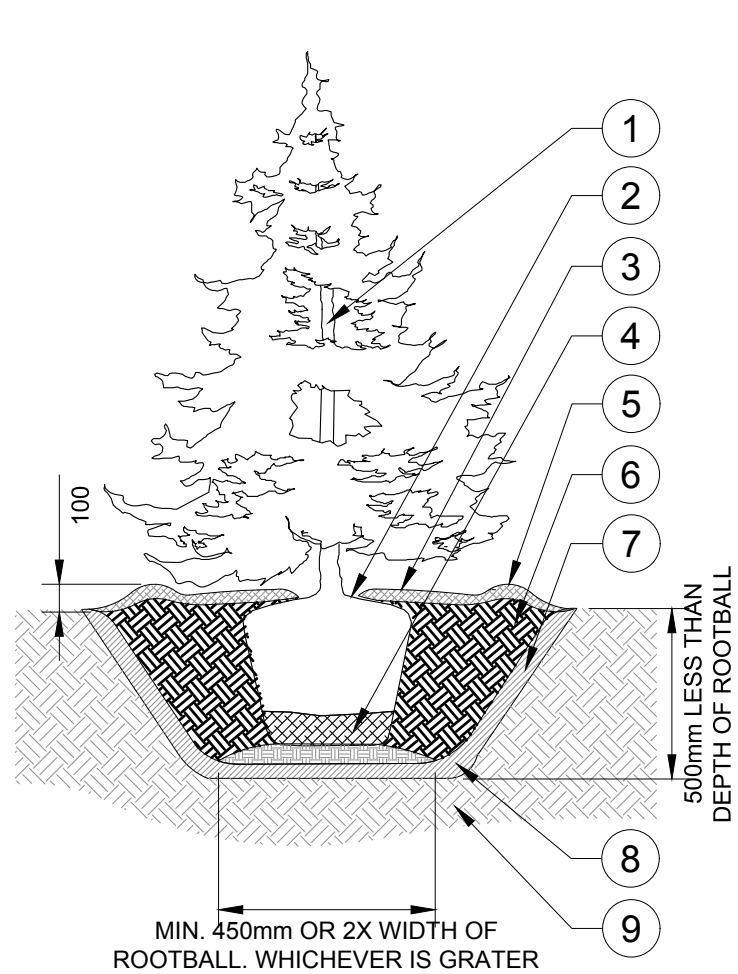
Canada

O2 PLANNING + DESIGN

Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin
SIGNAGE DETAILS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
MM	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
150102		L8.82
Drawing Set No./N° de série du dessin		



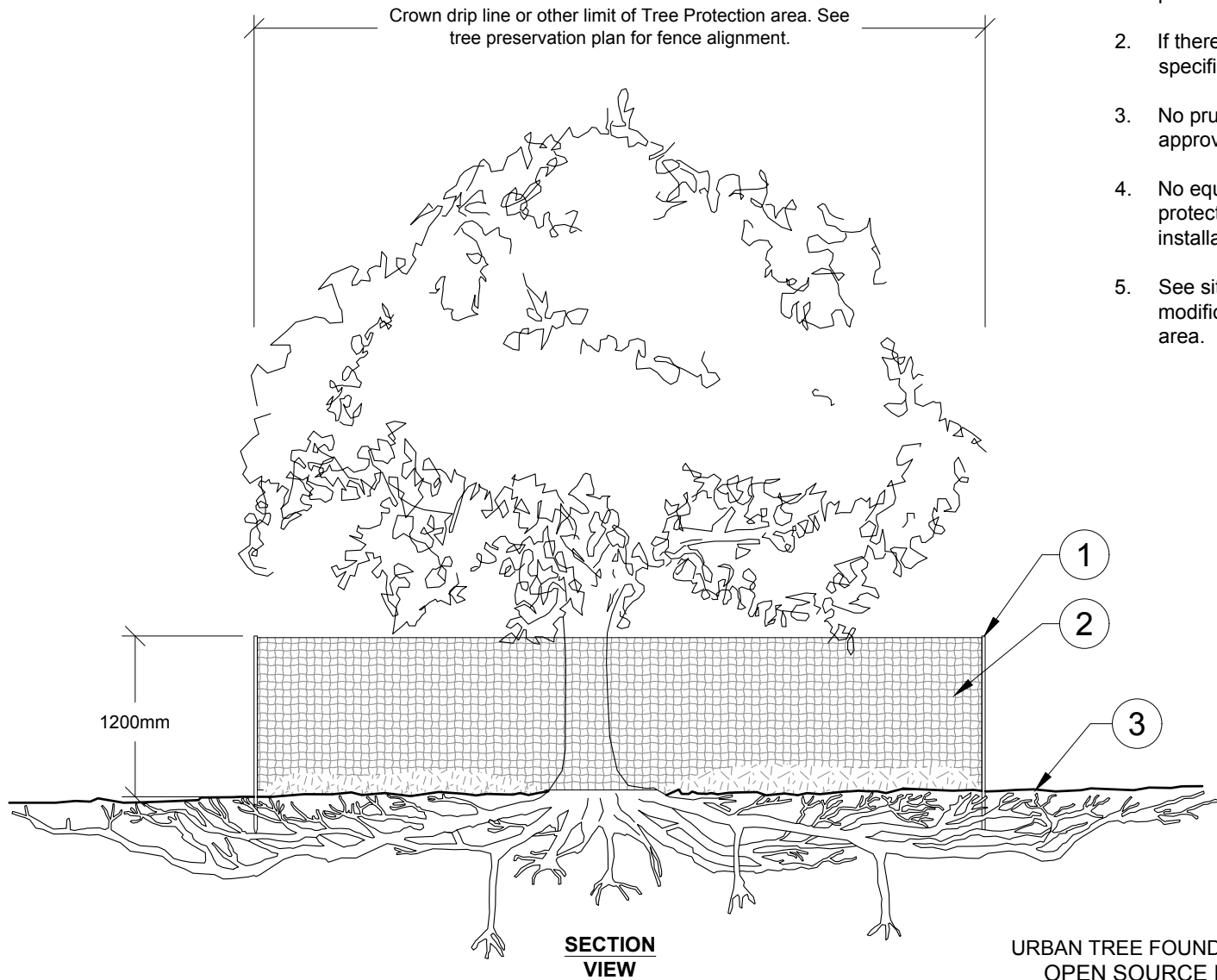
- NOTES:
1. WATER THOROUGHLY AFTER INSTALLATION. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
 2. POSITION CROWN OF ROOT BALL 50mm ABOVE FINISHED GRADE TO ALLOW FOR SETTLEMENT.
 3. DO NOT DAMAGE OR CUT LEADER.
 4. IF STAKING IS DEEMED NECESSARY REFER TO TREE STAKING DETAIL.
- 1 TREE TO BE SET PLUMB IN CENTRE OF TREE PIT.
- 2 TRUNK FLARE TO BE ABOVE FINISHED GRADE OF SOIL.
- 3 NATIVE SEED, REFER TO SPECIFICATIONS.
- 4 CUT WIRE BASKET, BEND BACK TOP LOOPS AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL. REMOVE ALL TWINE AND NON BIODEGRADABLE MATERIAL. NOTE: IF BARE ROOT PRESENT, REMOVE BURLAP.
- 5 BERM OF PLANTING MEDIUM FORMING WATER DISH AROUND OUTSIDE EDGE OF ROOTBALL.
- 6 PLANTING TOPSOIL.
- 7 SCARIFY ALL SIDES AND BOTTOM OF PIT TO 150mm.
- 8 REMOVE ALL DELETERIOUS MATERIALS, INCLUDING GARBAGE, RUBBLE, DEBRIS, GRAVEL, ETC., FROM PLANTING PIT.
- 9 SUBGRADE

2 CONIFEROUS TREE DETAIL - NURSERY STOCK

1:40

O2-32-15-52

- Notes:
1. See specifications for additional tree protection requirements.
 2. If there is no existing irrigation, see specifications for watering requirements.
 3. No pruning shall be performed except by approved arborist.
 4. No equipment shall operate inside the protective fencing including during fence installation and removal.
 5. See site preparation plan for any modifications with the Tree Protection area.



1 EXISTING TREE PROTECTION

1:50

O2-01-56-39-02

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

A
B

Detail number
Sheet number

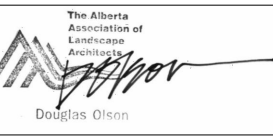
A Numéro de détail
B Numéro de la feuille

Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur



Parcs Canada **Parcs Canada**

Canada

O2 **PLANNING + DESIGN**

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

PLANTING DETAILS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		L8.90
Drawing Set No./Nº de série du dessin		



LEGEND

EX W [SIZE] [MATERIAL]

W [SIZE] [MATERIAL]

EXISTING PROPOSED

EXISTING WATERMAIN

PROPOSED WATERMAIN

REDUCER

HYDRANT

CAP

VALVE

NOTES:

1. DIMENSIONS ARE IN METRES. COORDIMATES ARE UTM ZONE 11, NAD 83 (CSRS).

2. ELEVATIONS ARE METRES ABOVE GEODETIC DATUM

3. ELEVATIONS ARE AT TOP OF SURFACE (ASPHALT, GRAVEL, LANDSCAPE)

4. FITTINGS SHALL CONFORM TO PARKS CANADA AGENCY REQUIREMENTS.

5. FOR SUBSURFACE INVESTIGATION AND GRAD SURFACING RECOMMENDATIONS REFER TO "GEOTECHNICAL INVESTIGATION PROTECTION MOUNTAIN CAMPGROUND BANFF, AB", THURBER ENGINEERING INC., FEB 2016

3	May6/16	Issued for Tender	MAK	
2	Mar24/16	100% Submission	MAK	
1	Feb29/15	90% Submission	MAK	

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

<div>A</div> <div>B</div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
Linear dimensions in metres		Dimensions linéaires en mètres

Consultant's Name
Nom de l'expert-conseil

OSPREY
ENGINEERING
INC.

BOX 1387 BLACK DIAMOND, ALBERTA T0L 0H0 CANADA
TEL: 403.933.2288 FAX: 403.933.2290
APEGA PERMIT TO PRACTICE P10743

Eng. Stamp
Sceau de l'ingénieur

PROFESSIONAL ENGINEER ALBERTA
2016-05-17

Parks Canada

Pares Canada

Canada

O2

PLANNING + DESIGN

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

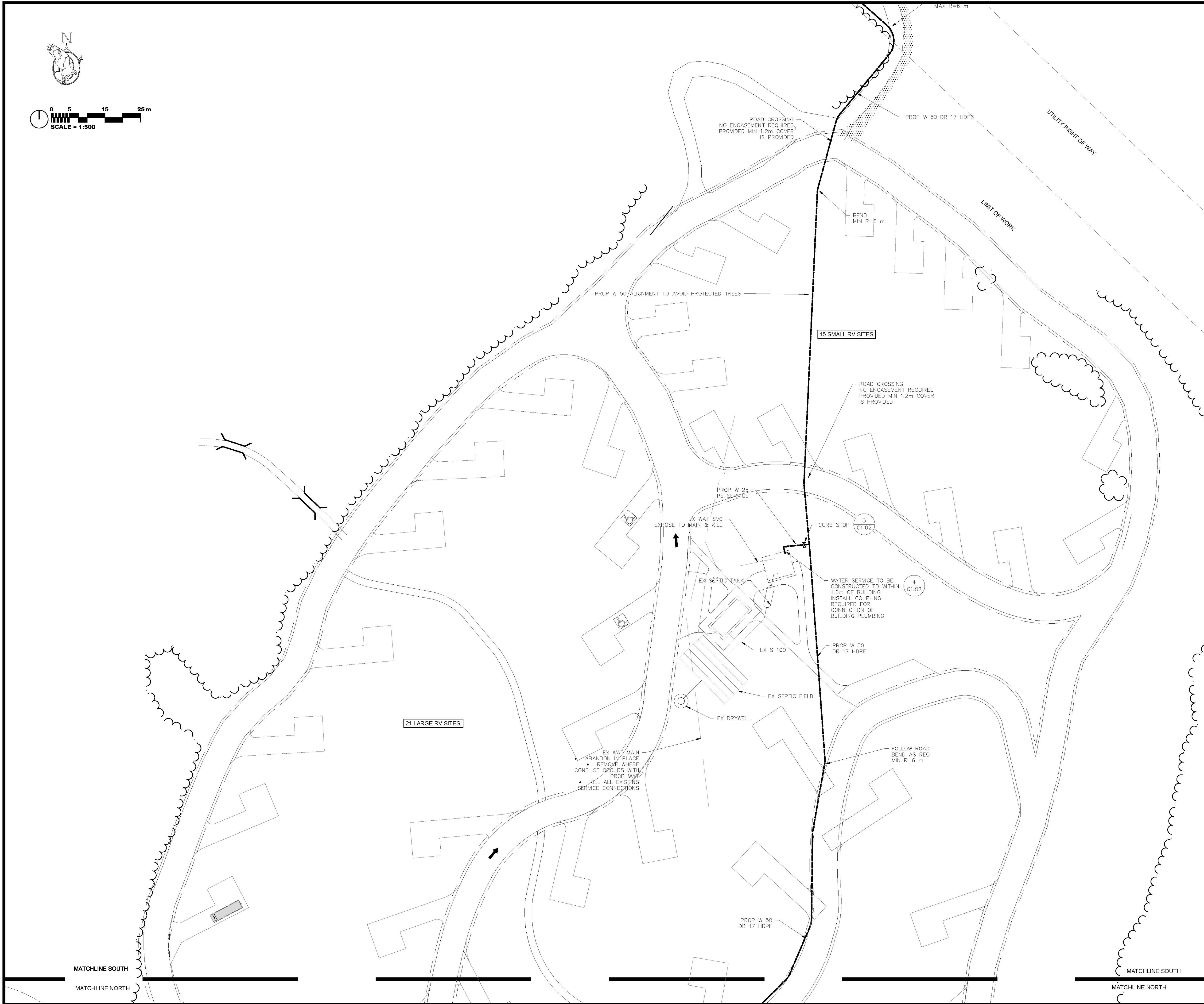
Drawing title/Titre du dessin

SITE SERVICING (SOUTH)

Surveyed by/Arpenté par ST	Drawn by/Dessiné par MAK	Date NOV 2015
Designed by/Concept par MAK	Reviewed by/Revisé par MAK	Scale/Echelle 1:500

Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date	Date	

Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nºde la feuille
Drawing Set No./Nº de série du dessin		C1.00



LEGEND

EX W [SIZE] [MATERIAL]	EXISTING WATERMAIN
W [SIZE] [MATERIAL]	PROPOSED WATERMAIN
EXISTING PROPOSED	
▶▶	REDUCER
◆	HYDRANT
⌈	CAP
X	VALVE


NOTES:

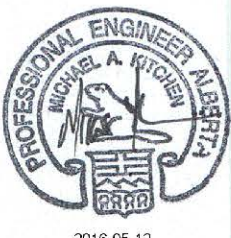
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- ELEVATIONS ARE METRES ABOVE GEODETIC DATUM
- ELEVATIONS ARE AT TOP OF SURFACE (ASPHALT, GRAVEL, LANDSCAPE)
- FITTINGS SHALL CONFORM TO PARKS CANADA AGENCY REQUIREMENTS.
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Revision / Revision				

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in metres	Dimensions linéaires en mètres
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Consultant's Name
Nom de l'expert-conseil
**OSPREY
ENGINEERING
INC.**
BOX 1387 BLACK DIAMOND, ALBERTA T0L 0H0 CANADA
TEL: 403.933.2288 FAX: 403.933.2290
APEGA PERMIT TO PRACTICE P10743

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Sceau de l'ingénieur

2016-05-17

 Parks Canada

Pares Canada

Canada

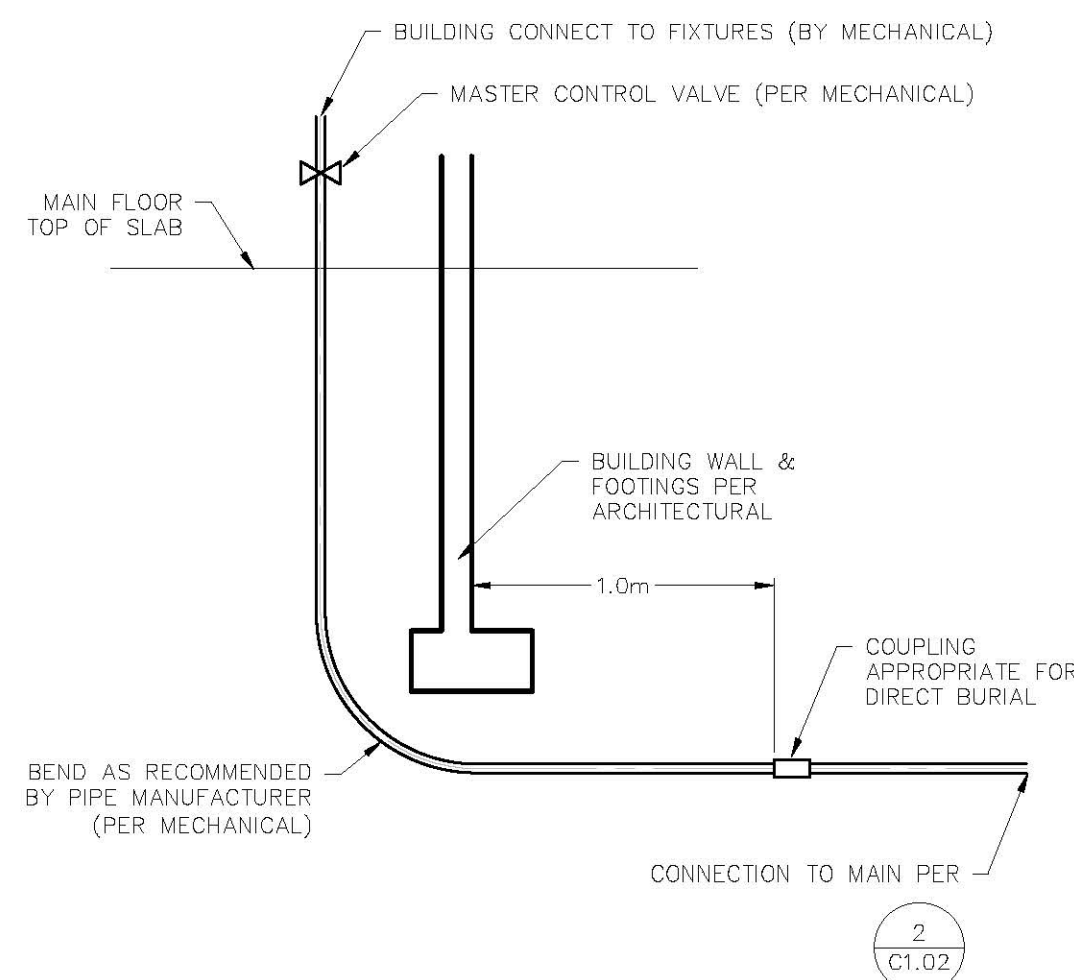
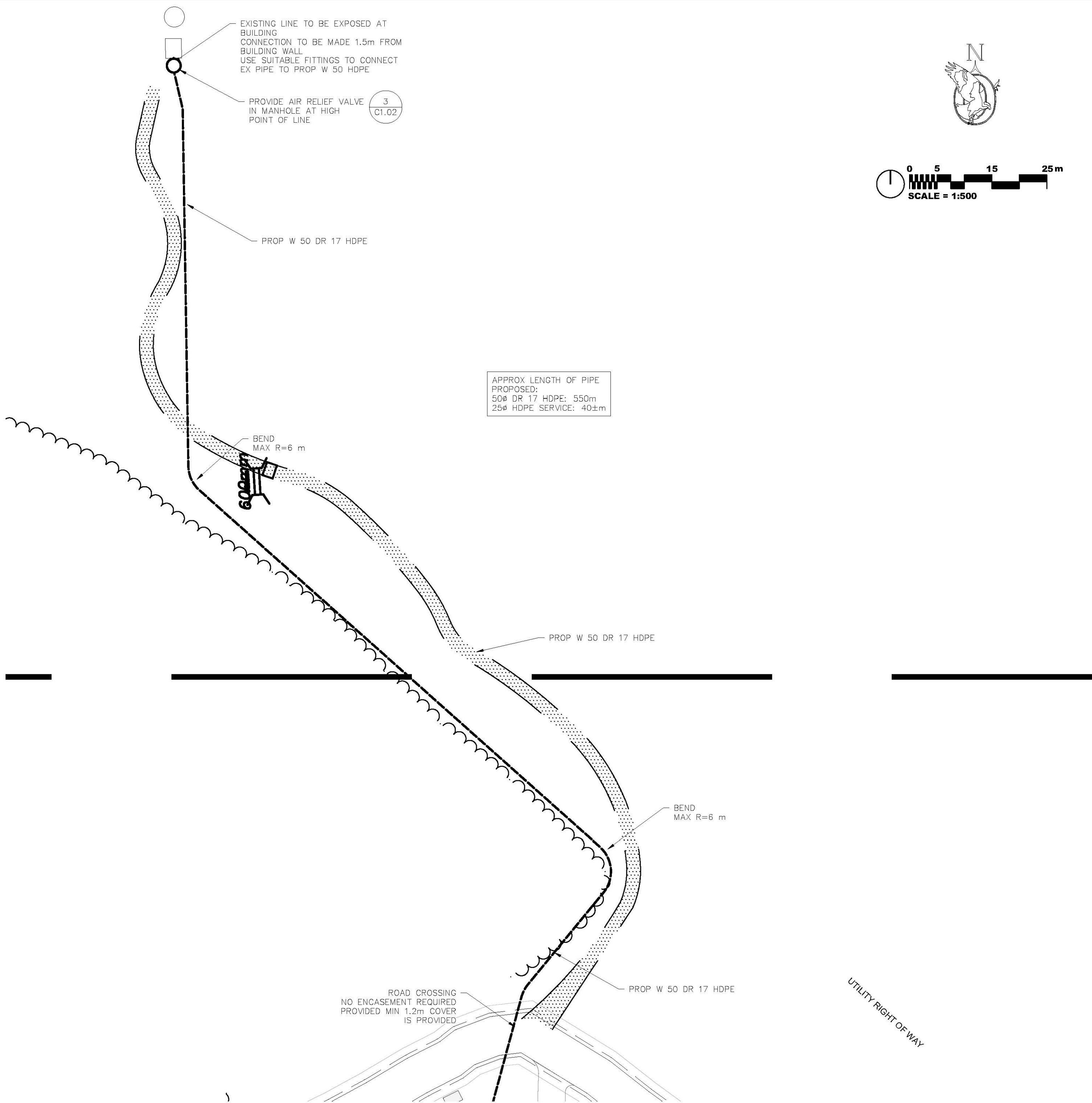
**O2** PLANNING + DESIGN

Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

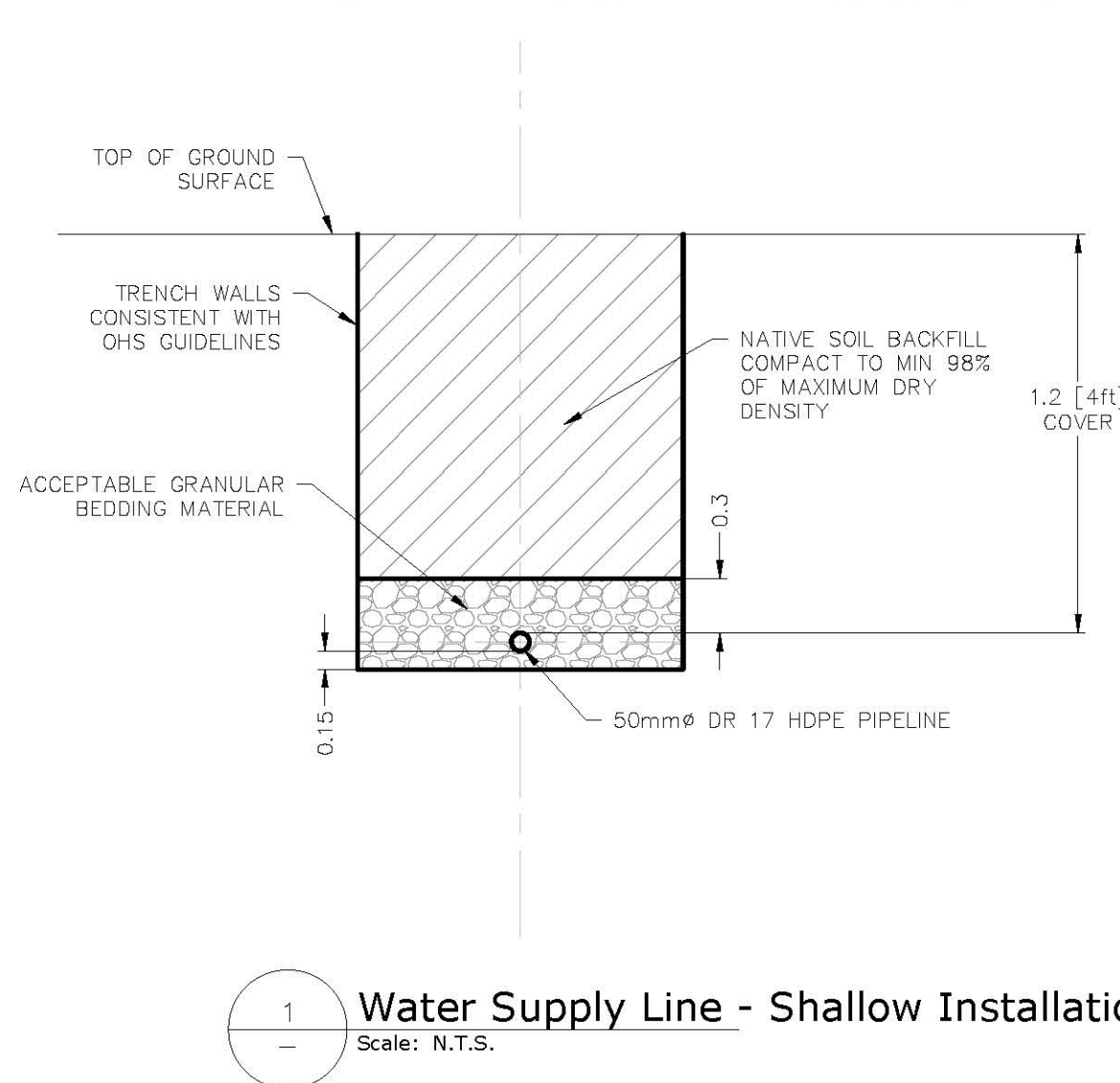
Drawing title/Titre du dessin
SITE SERVICING (NORTH)

Surveyed by/Arpenté par ST	Drawn by/Dessiné par MAK	Date NOV 2015
Designed by/Concept par MAK	Reviewed by/Revisé par MAK	Scale/Echelle 1:500
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date

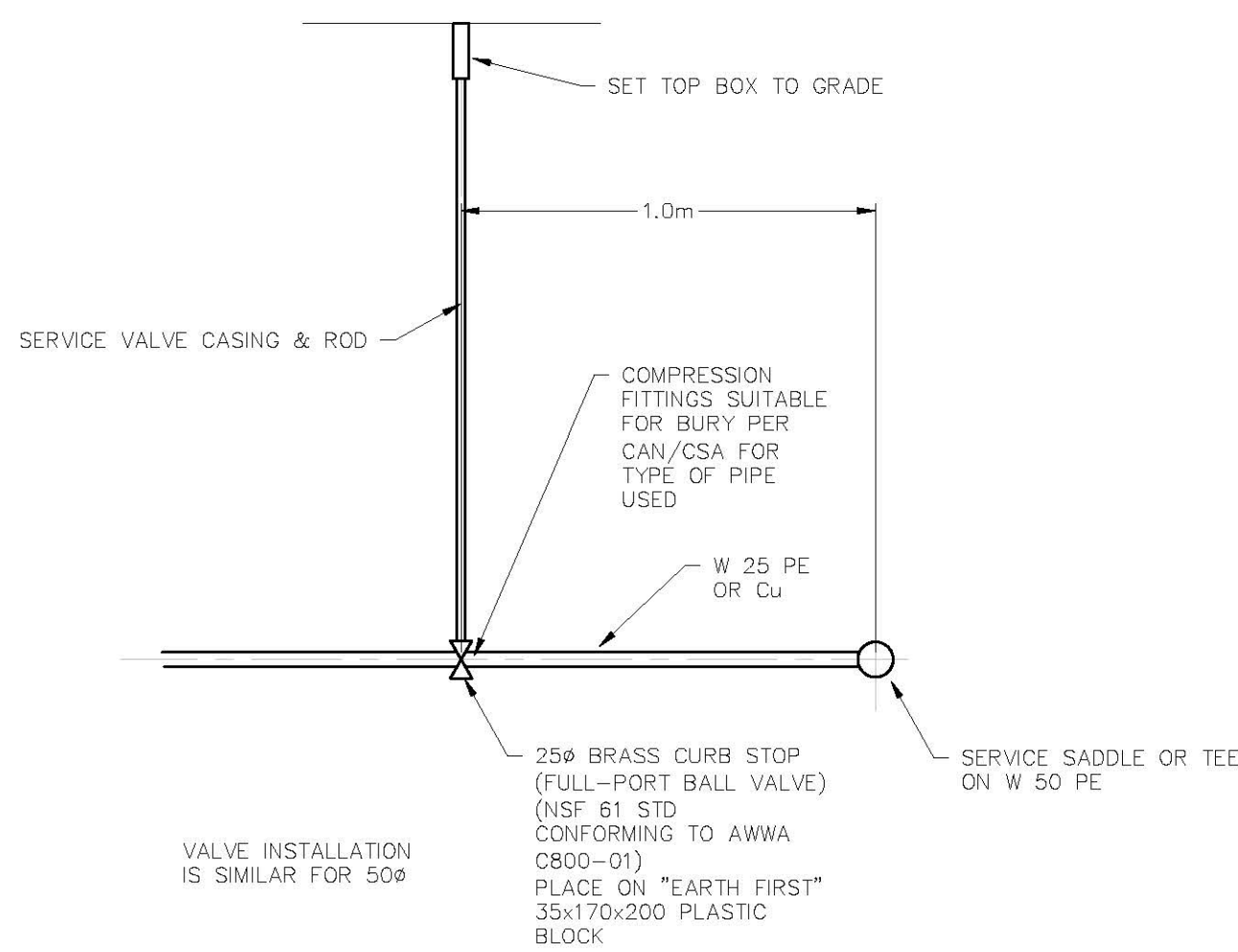
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Drawing Set No./Nº de série du dessin		



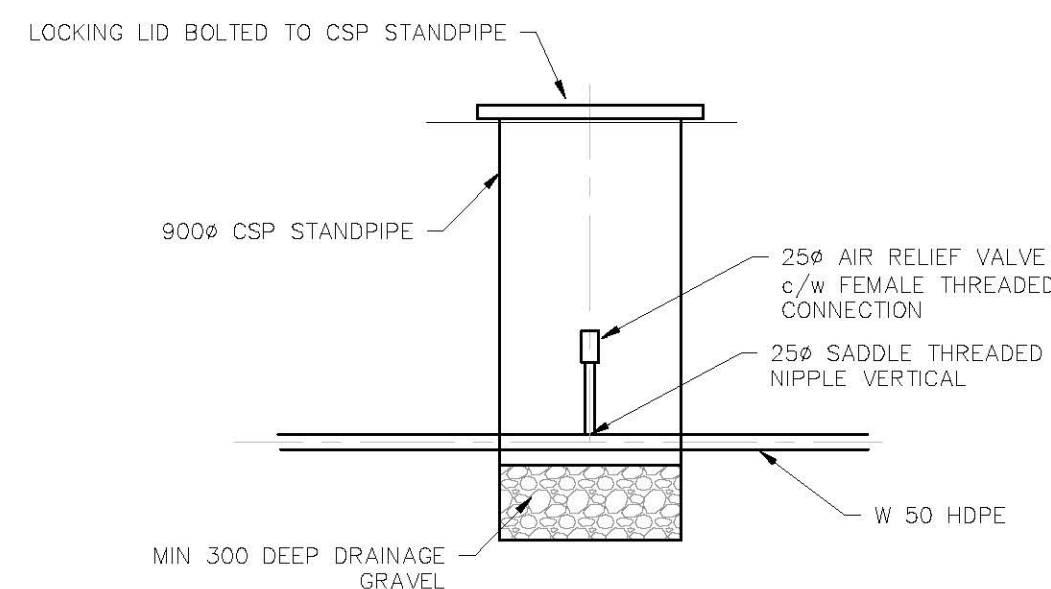
4 Building Connection Details
Scale: N.T.S.



1 Water Supply Line - Shallow Installation
Scale: N.T.S.



2 Valve/Curb Stop Details
Scale: N.T.S.



3 Air Relief Valve Details
Scale: N.T.S.

LEGEND

EX W [SIZE] [MATERIAL]

W [SIZE] [MATERIAL]

EXISTING PROPOSED

▶▷

◆◇

└┘

X X

EXISTING WATERMAIN

PROPOSED WATERMAIN


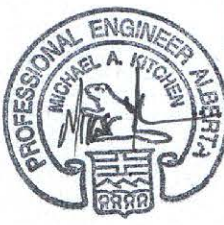




REDUCER

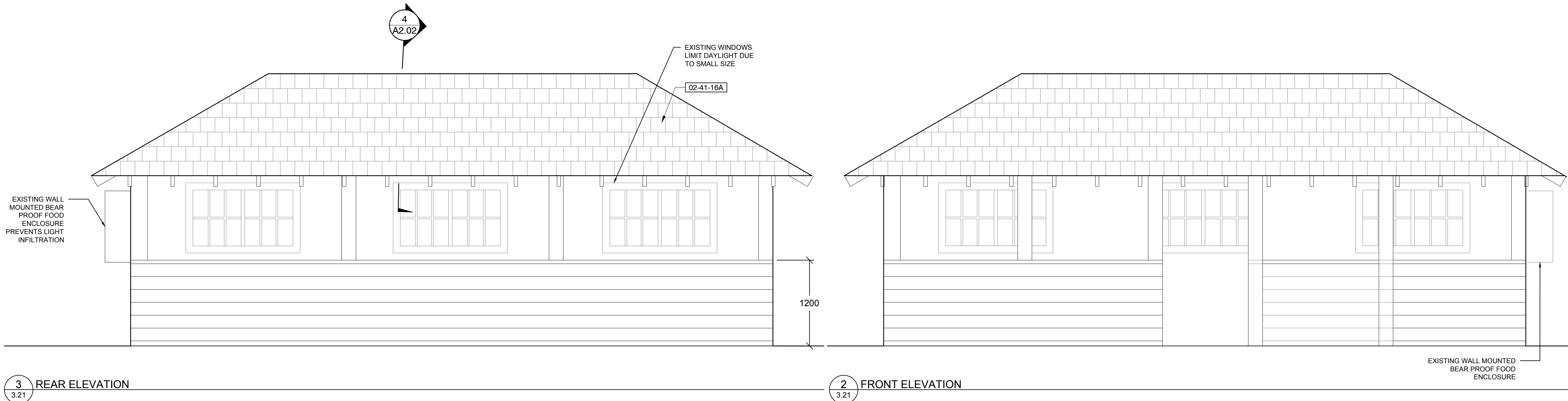
HYDRANT

CAP

VALVE

NOTES:
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Linear dimensions In metres		Dimensions linéaires en mètres		
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur		
 OSPREY ENGINEERING INC. BOX 1387 BLACK DIAMOND, ALBERTA T0L 0H0 CANADA TEL: 403.933.2226 FAX: 403.933.2230 APEGA PERMIT TO PRACTICE P10743		 2015-05-17		
 Parks Canada Parcs Canada				
Canada				
   PLANNING + DESIGN				
Project title/Titre du projet				
PROTECTION MOUNTAIN CAMPGROUND				
Drawing title/Titre du dessin				
WATER SUPPLY LINE				
Surveyed by/Arpenté par ST		Drawn by/Dessiné par MAK		Date NOV 2015
Designed by/Conçut par MAK		Reviewed by/Revisé par MAK		Scale/Echelle 1:500
Client Acceptance/Acceptation du client			Approved by/Approuvé par	
Date			Date	
Project No./Nº du projet 150102		Asset No./Nº du bien		Sheet No./ Nº de la feuille
Drawing Set No./Nº de série du dessin				C1.02



3 REAR ELEVATION
3.21

2 FRONT ELEVATION
3.21

GROUP SHELTER DEMOLITION SCHEDULE (PER SHELTER), 3 IN TOTAL

SYMBOL	DEMOLITION DESCRIPTION	QTY
02-41-16A	DEMOLISH AND DISPOSE OF SHINGLES AND SUBSTRATE TO EXISTING WOOD BEAMS.	100.10
02-41-16B	REMOVE AND DISPOSAL OF EXISTING COOK STOVE AND CONCRETE PLINTH.	1
02-41-16N	REMOVE AND DISPOSAL OF EXISTING PICNIC TABLE BY PCA	
HAZARDOUS MATERIALS DESCRIPTION		
02-81-00D	INTERIOR CREAM SIDING AND TRIM PAINT CONTAINS LEAD. LEAD PAINT TO BE REMOVED AND DISPOSED OF PER PROVINCIAL REGULATIONS.	
02-81-00F	EXTERIOR CREAM SIDING PAINT CONTAINS LEAD. LEAD PAINT TO BE REMOVED AND DISPOSED OF PER PROVINCIAL REGULATIONS.	

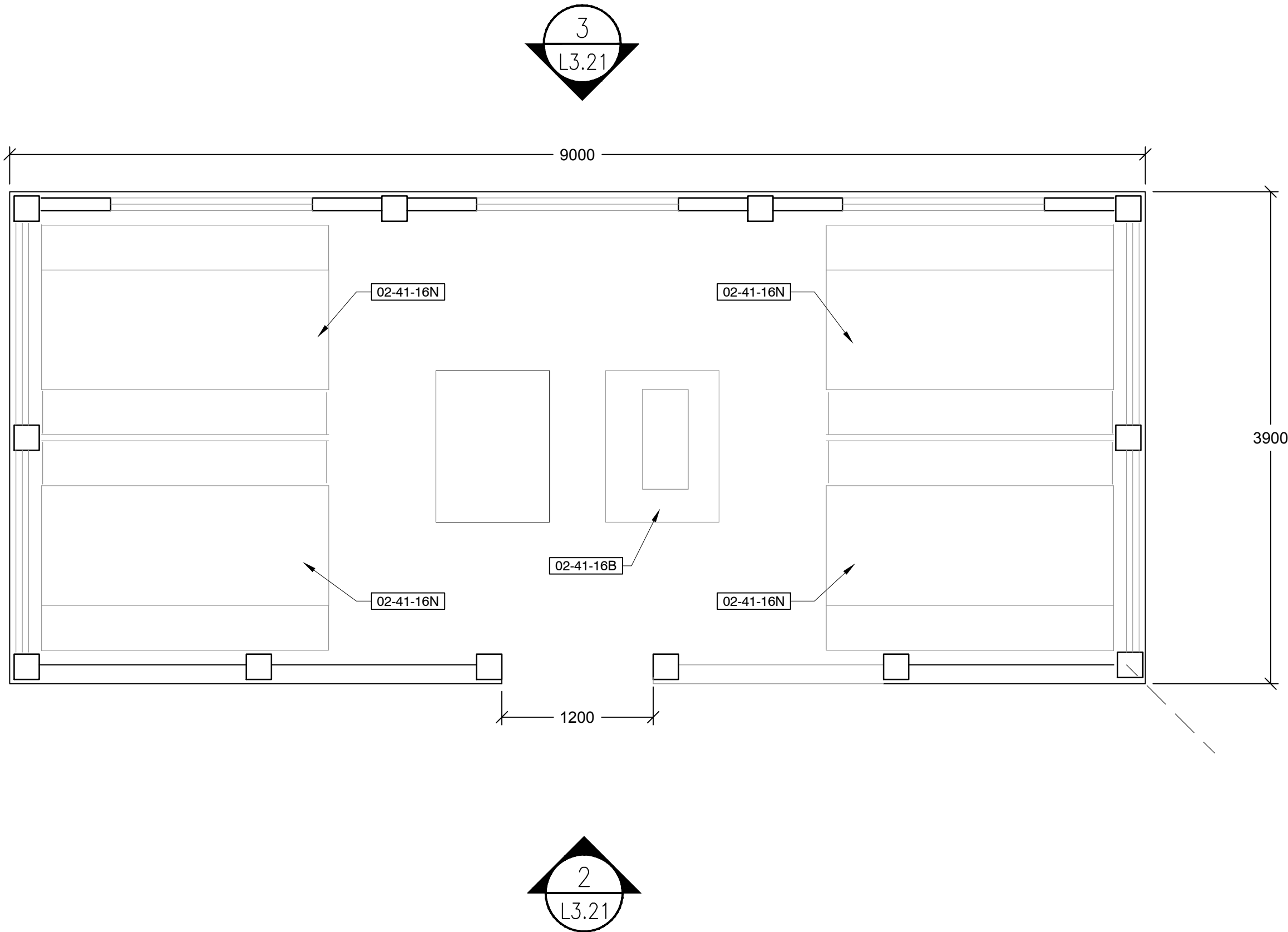
NOTES:
1. DEMOLITION WORK IS TO BE DONE IN ADHERENCE WITH PCA DEMOLITION REGULATIONS REGARDING NOISE, DISPOSAL AND RECYCLING OF MATERIAL ETC.
2. HAZARDOUS MATERIALS TO BE ABATED AND DISPOSED OF BY CONTRACTOR WITH PROFESSIONAL INDEMNITY INSURANCE AND IN ACCORDANCE WITH FEDERAL AND PROVINCIAL REGULATIONS.



EXISTING SHELTER - ROOF




EXISTING SHELTER - INTERIOR



1 PLAN
3.21

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision			
	Detail number	A Numéro de détail	
	Sheet number	B Numéro de la feuille	
Linear dimensions in millimetres		Dimensions linéaires en millimètres	

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

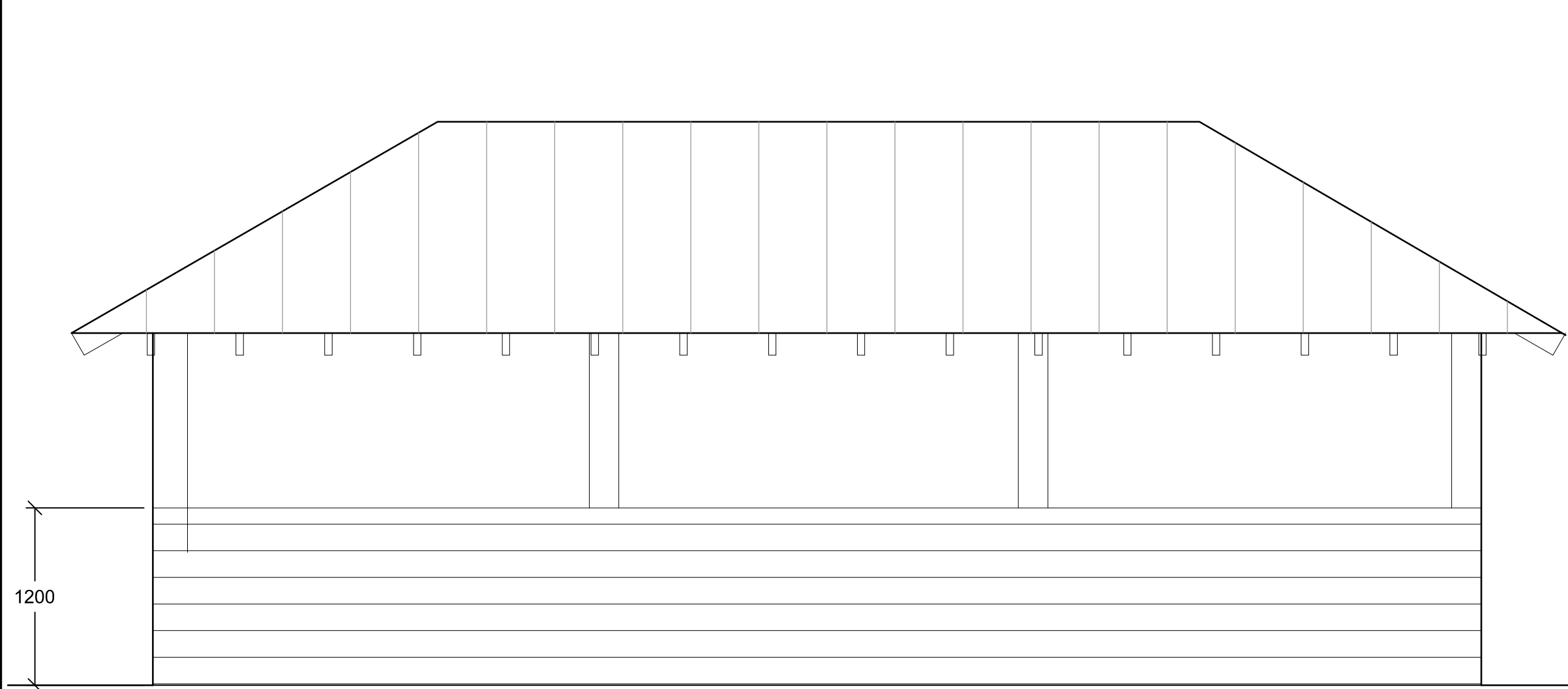
Parks Canada

Canada

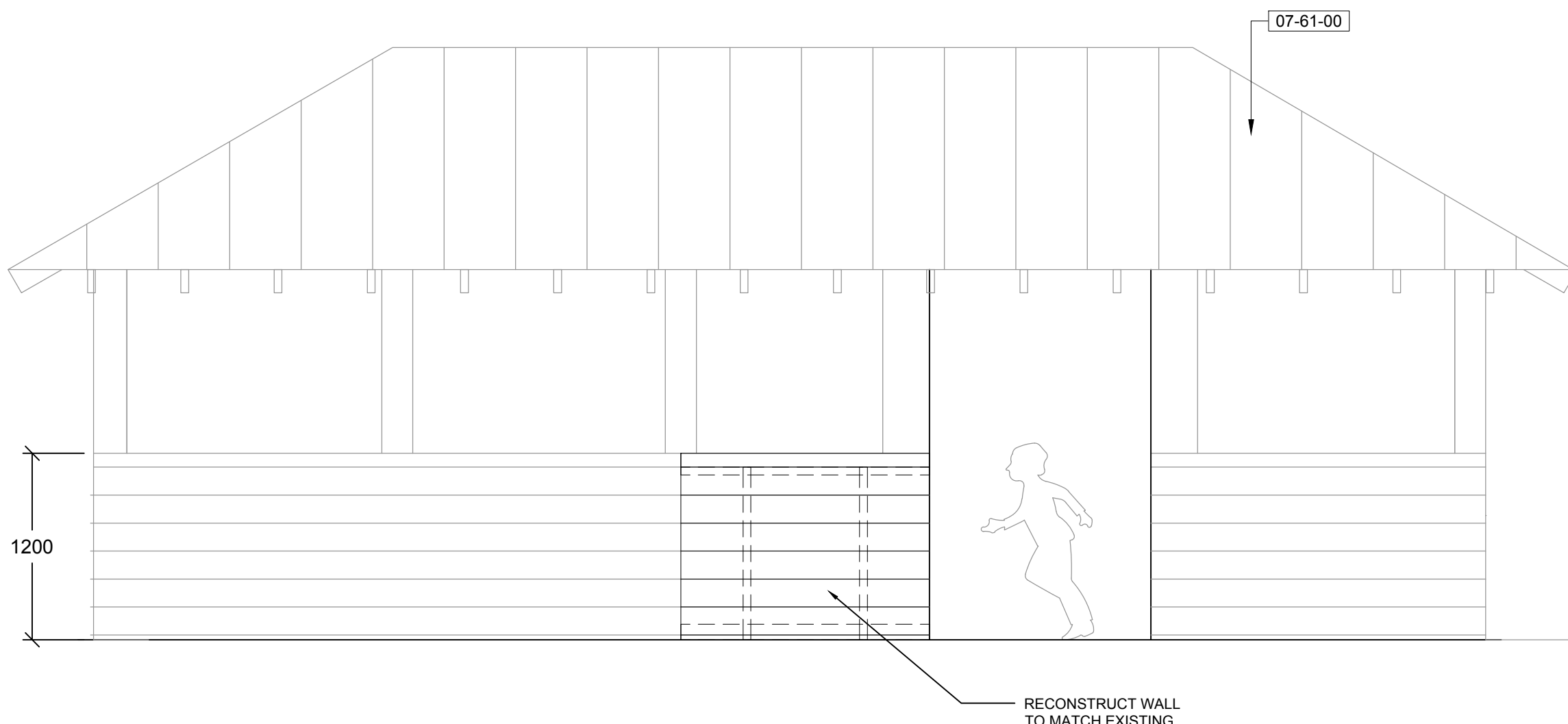
Project title/Titre du projet
PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin
GROUP SHELTER - DEMOLITION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		A1.00
Drawing Set No./Nº de série du dessin		



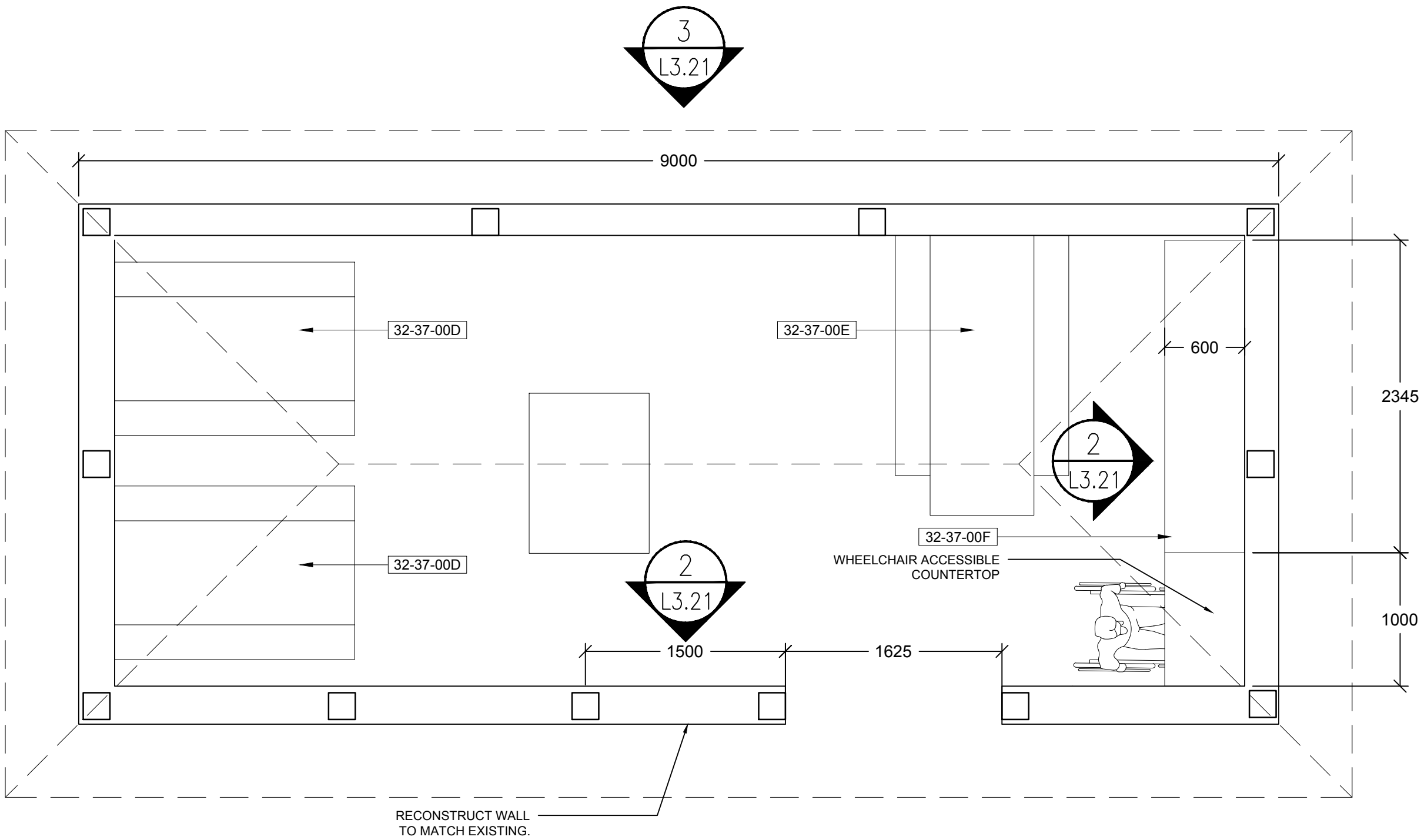
3
3.22 REAR ELEVATION



2
3.22 FRONT ELEVATION

GROUP SHELTER RENOVATION SCHEDULE (PER SHELTER), 3 IN TOTAL

SHEET METAL ROOFING		
SYMBOL	DESCRIPTION	QTY
07-61-00	STANDING SEAM ROOF	100.10 m²
EXTERIOR SITE FURNISHINGS		
SYMBOL	DESCRIPTION	
32-37-00D	INSTALL 2 PICNIC TABLE PER PICNIC SHELTER AS PER SPECIFICATIONS.	
32-37-00E	INSTALL 1 ACCESSIBLE PICNIC TABLE PER PICNIC SHELTER AS PER SPECIFICATIONS.	
32-37-00F	INSTALL STAINLESS STEEL PREP COUNTER AS PER SPECIFICATIONS.	



1
3.22 PLAN

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
A	Detail number
B	Sheet number
Linear dimensions in millimetres	
Dimensions linéaires en millimètres	
Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur

Parks Canada

Parcs Canada

Canada

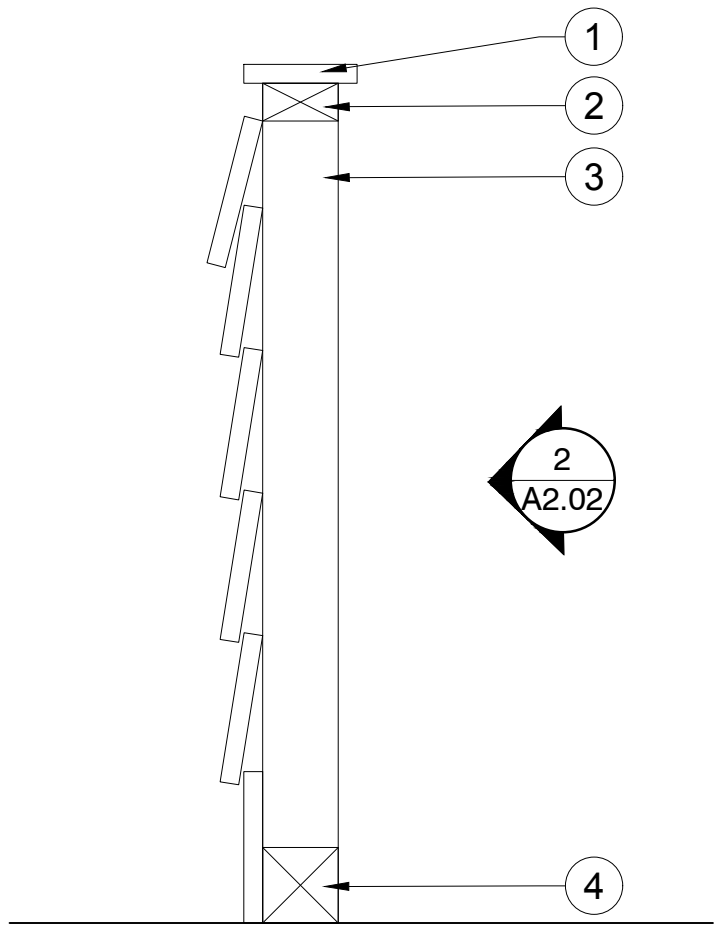
Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

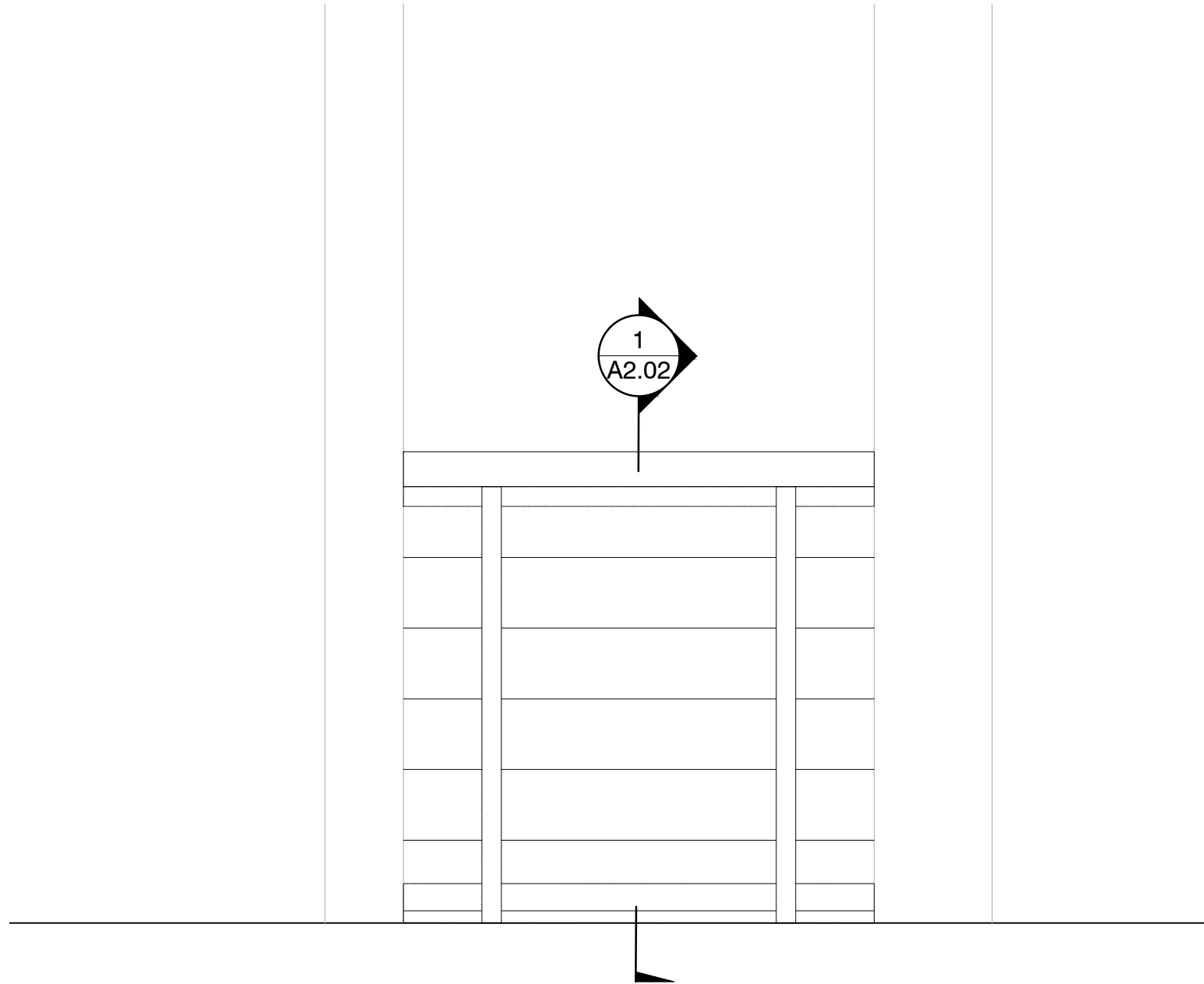
Drawing title/Titre du dessin

GROUP SHELTER RENOVATION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		A1.01
Drawing Set No./Nº de série du dessin		



- 1 1 x 6 TRIM CEDAR S4S
- 2 2 x 4 CEDAR S4S
- 3 2 x 4 CEDARD S4S
- 4 4 x 4 CEDAR S4S



1

SECTION A-A

1:10

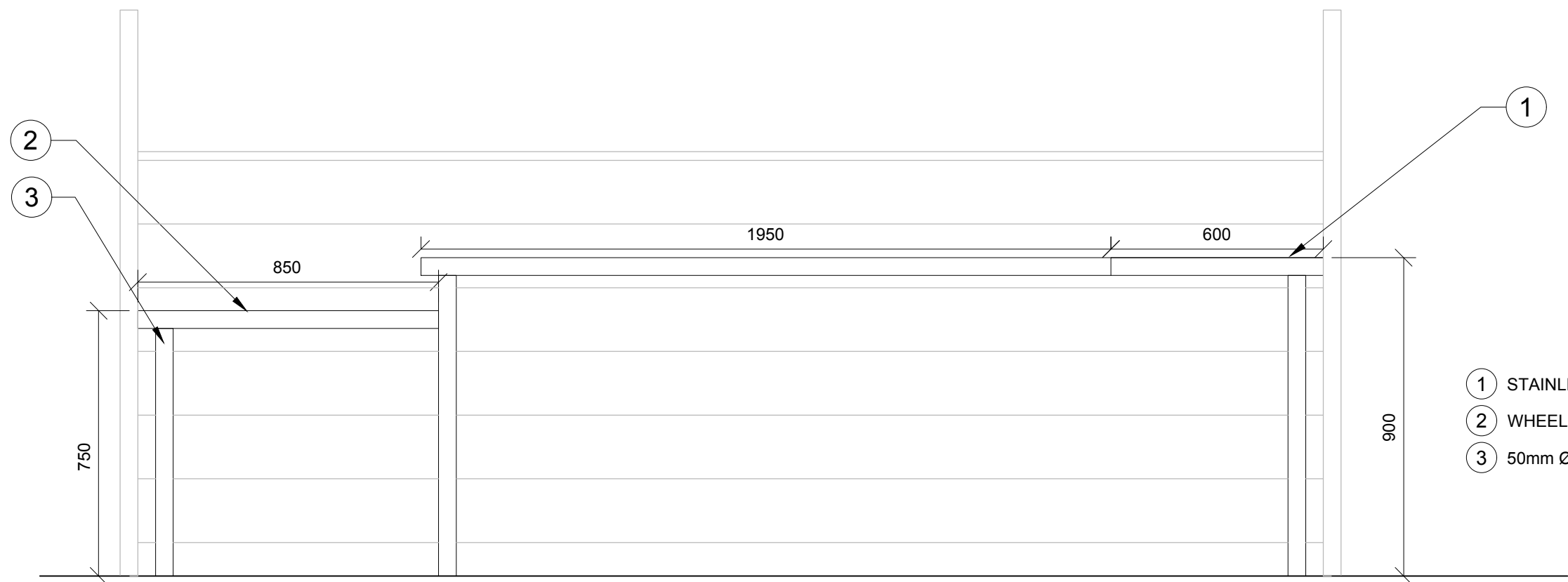
O2-32-15-08

2

NEW PARTITION WALL

1:15

O2-32-15-46



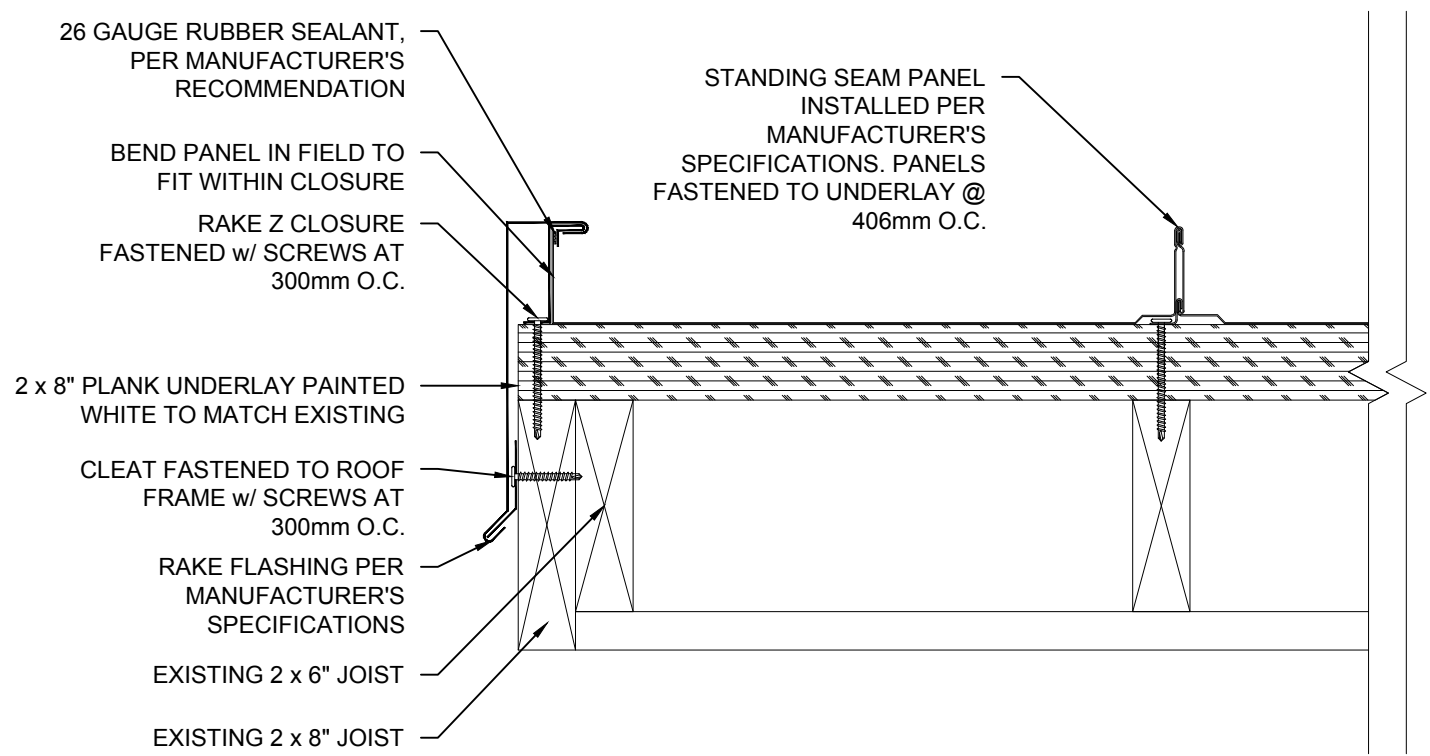
- 1 STAINLESS COUNTER TOP
- 2 WHEELCHAIR ACCESSIBLE COUNTERTOP
- 3 50mm Ø STAINLESS STEEL LEGS C/W LEVELING FEET

3

COUNTERTOP ELEVATION

1:15

O2-32-15-47



4

ROOF SECTION

1:5

O2-32-15-53

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
<div><div>A</div><div>B</div></div>	Detail number Sheet number
A	Numéro de détail
B	Numéro de la feuille
Linear dimensions in millimetres	
Dimensions linéaires en millimètres	
Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
<div>The Alberta Association of Engineers Geoscientists and Geotechnical Practitioners</div>	

<div><div><div></div><div></div></div><div><div>Parks Canada</div><div>Parcs Canada</div></div></div>	
Canada	
Project title/Titre du projet	
PROTECTION MOUNTAIN CAMPGROUND	
Drawing title/Titre du dessin	
GROUP SHELTER RENOVATION DETAILS	
Surveyed by/Arpenté par	Designed by/Concept par
SH	MM
Drawn by/Dessiné par	Reviewed by/Revisé par
SH	MM
Date	Date
Client Acceptance/Acceptation du client	Approved by/Approuvé par
Date	Date
Project No./Nº du projet	Asset No./Nº du bien
150102	
Drawing Set No./Nº de série du dessin	Sheet No./ Nºde la feuille
	A1.02



EXISTING URINALS



EXISTING STALLS



EXISTING VANITY

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

<div><div>A</div><div>B</div></div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
	<div>The Alberta Association of Engineers Dimitrios Christou</div>

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

WASHROOM RENOVATION - PHOTOS

Surveyed by/Arpenté par ABC	Drawn by/Dessiné par SH	Date 11/7/15
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Échelle
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date

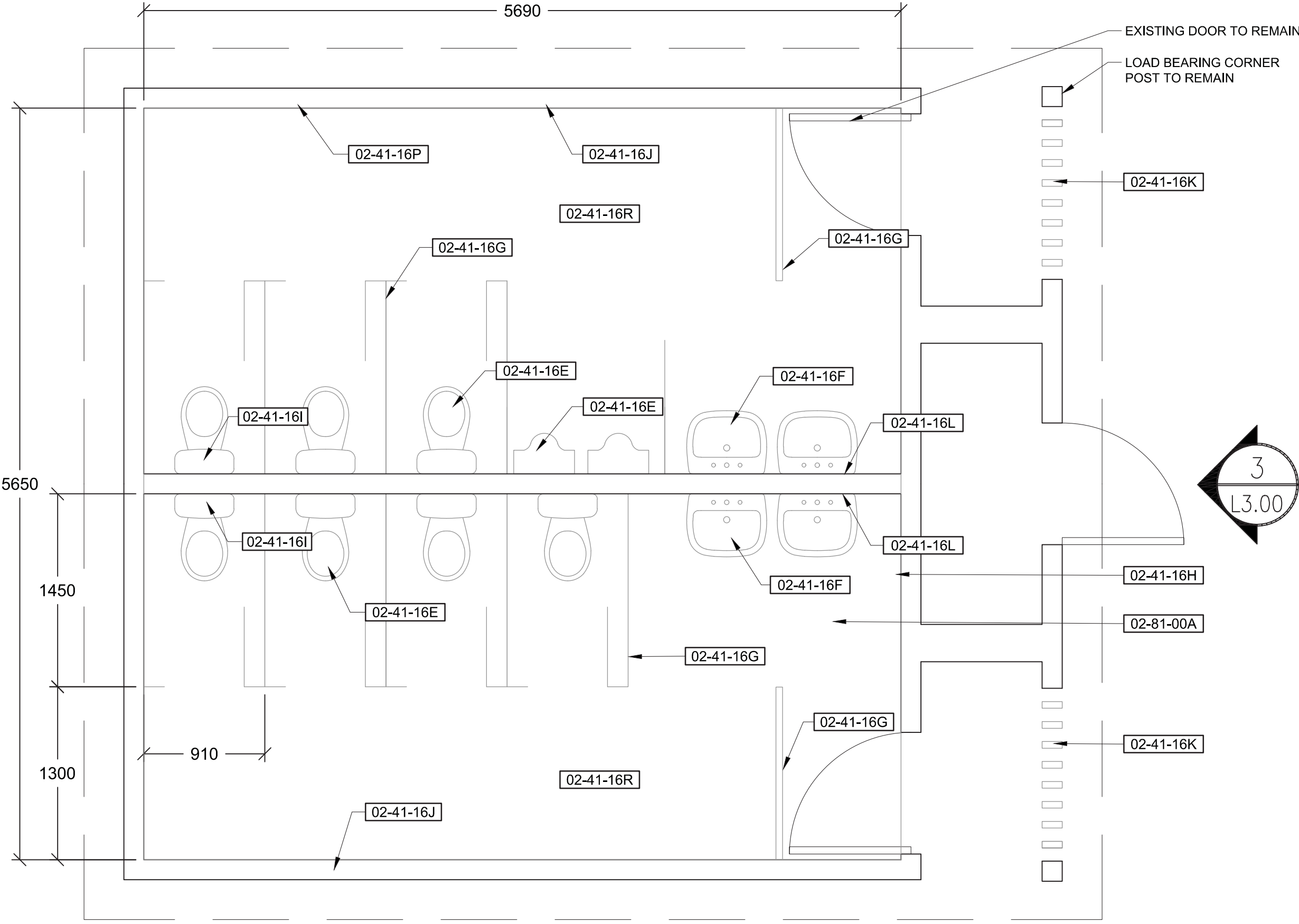
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nºde la feuille
Drawing Set No./Nº de série du dessin		A2.00

PUBLIC WASHROOM DEMOLITION SCHEDULE (PER WASHROOM), 3 IN TOTAL

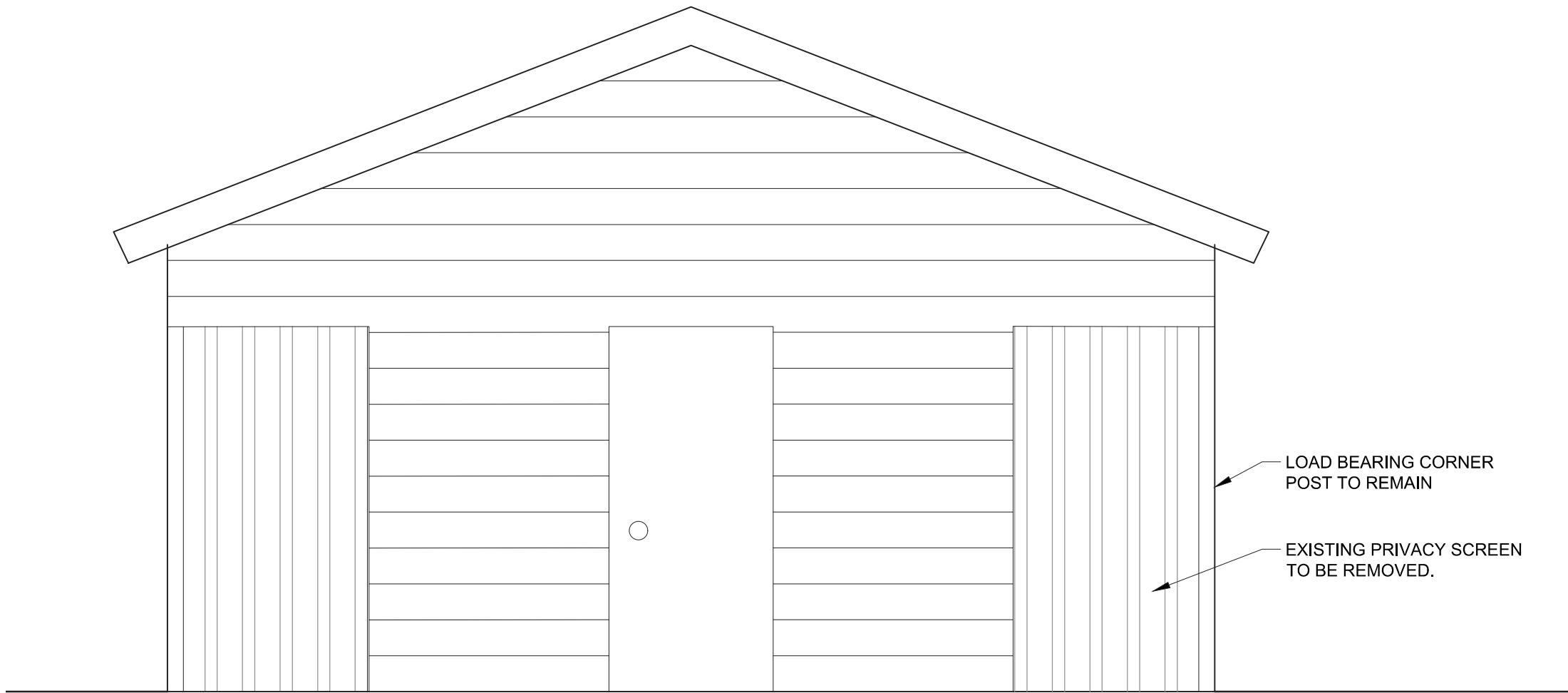
SYMBOL	DEMOLITION DESCRIPTION	QTY
02-41-16E	REMOVE AND DISPOSAL OF EXISTING WASHROOM FIXTURES AND FITTINGS INCLUDING TOILETS, URINALS AND SINKS.	16
02-41-16F	REMOVE AND DISPOSAL OF FIXTURES AND FITTINGS INCLUDING FAUCETS, MIRRORS AND PAPER TOWEL DISPENSER.	
02-41-16G	REMOVE AND DISPOSAL OF PARTITIONS AND RELATED COMPONENTS.	20.1 m
02-41-16H	REMOVE AND DISPOSAL OF ALL ELECTRICAL LUMINAIRES, EQUIPMENT, SYSTEMS, OUTLETS, SWITCHES, ETC AS REQUIRED TO COMPLETELY TAKE OUT ALL THE ELECTRICAL ITEMS AND ALLOW FOR NEW.	
02-41-16I	REMOVE AND DISPOSAL OF ALL PIPING AND RELATED COMPONENTS TO ALLOW FOR NEW.	
02-41-16J	REMOVE AND DISPOSAL OF ALL INSULATION.	
02-41-16K	REMOVE AND DISPOSAL OF EXISTING PRIVACY SCREEN WITHOUT DAMAGING CORNER SUPPORTING POST.	2.6 m
02-41-16L	REMOVE AND DISPOSAL OF SHELVES AND ACCESSORIES.	
02-41-16P	REMOVE AND DISPOSAL OF DRYWALL TO STUDS. NOTE THAT EXISTING INTERIOR SIDING PAINT CONTAINS LEAD AND SHOULD BE REMOVED AND DISPOSED OF PER PROVINCIAL REGULATIONS	32.1 m²
02-41-16R	REMOVE AND DISPOSAL OF EXISTING FLOOR FINISH AS PER CONTRACT DOCUMENTS.	32.1 m²

SYMBOL	HAZARDOUS MATERIALS DESCRIPTION	QTY
02-81-00A	REMOVE AND DISPOSAL OF ALL CEMENT BOARD CEILING PANELS AND INSULATION TO EXPOSE STRUCTURAL BEAMS. PANELS CONTAIN ASBESTOS AND MUST BE REMOVED BY A CONTRACTOR WITH PROFESSIONAL INDEMNITY INSURANCE. AREA OF WORK SHALL BE TARPED AND VAPOUR BARRIER PROVIDED PER PROVINCIAL REGULATIONS.	

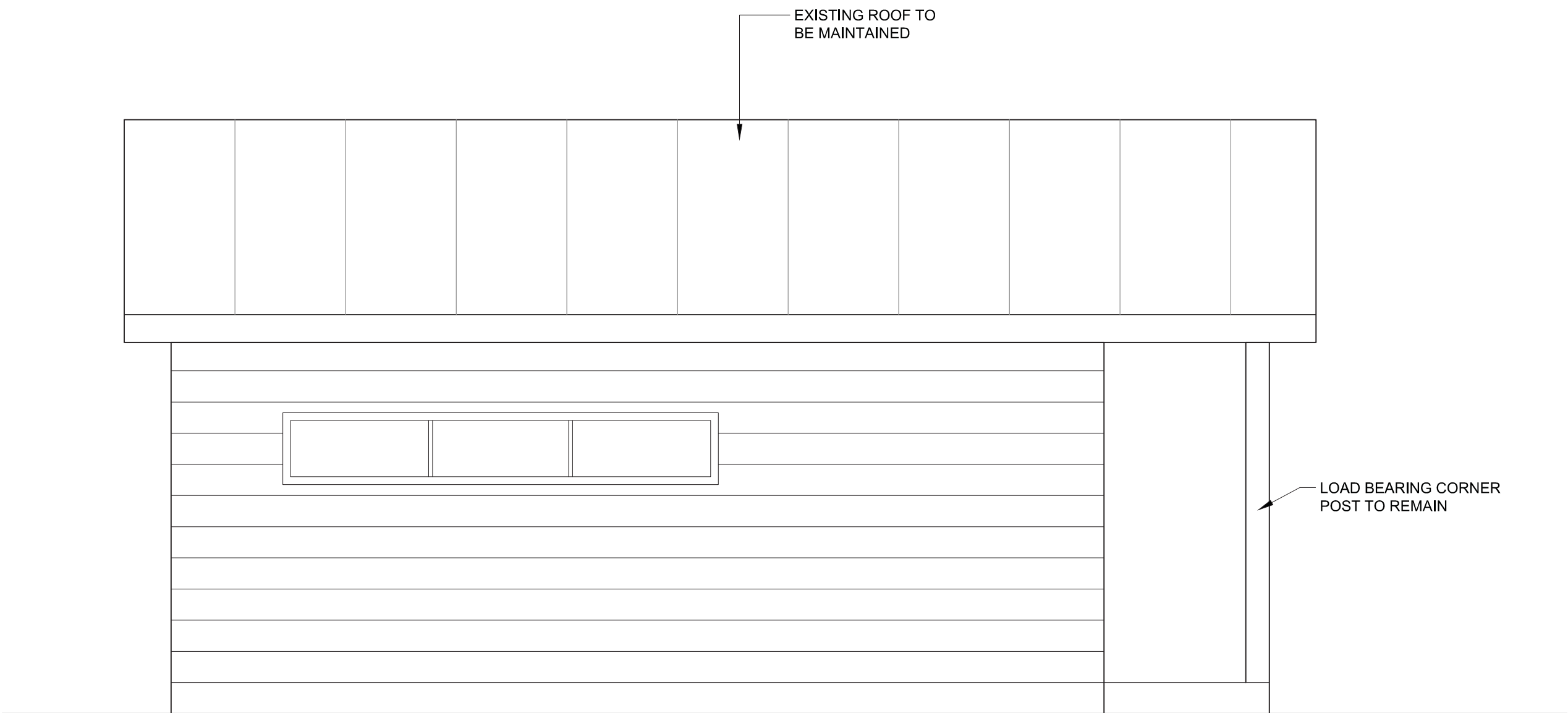
- NOTES:
- PUBLIC WASHROOMS ARE TO BE DEMOLISHED ENTIRELY TO EXISTING DRYWALL STUDS
 - DEMOLITION WORK IS TO BE DONE IN ADHERENCE WITH PCA DEMOLITION REGULATIONS REGARDING NOISE, DISPOSAL AND RECYCLING OF MATERIAL ETC.
 - HAZARDOUS MATERIALS TO BE ABATED AND DISPOSED OF BY CONTRACTOR WITH PROFESSIONAL INDEMNITY INSURANCE AND IN ACCORDANCE WITH FEDERAL AND PROVINCIAL REGULATIONS.



1 PLAN



3 FRONT ELEVATION



2 SIDE ELEVATION

No.3	May8/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres	Dimensions linéaires en millimètres
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Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Parcs Canada

Canada

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

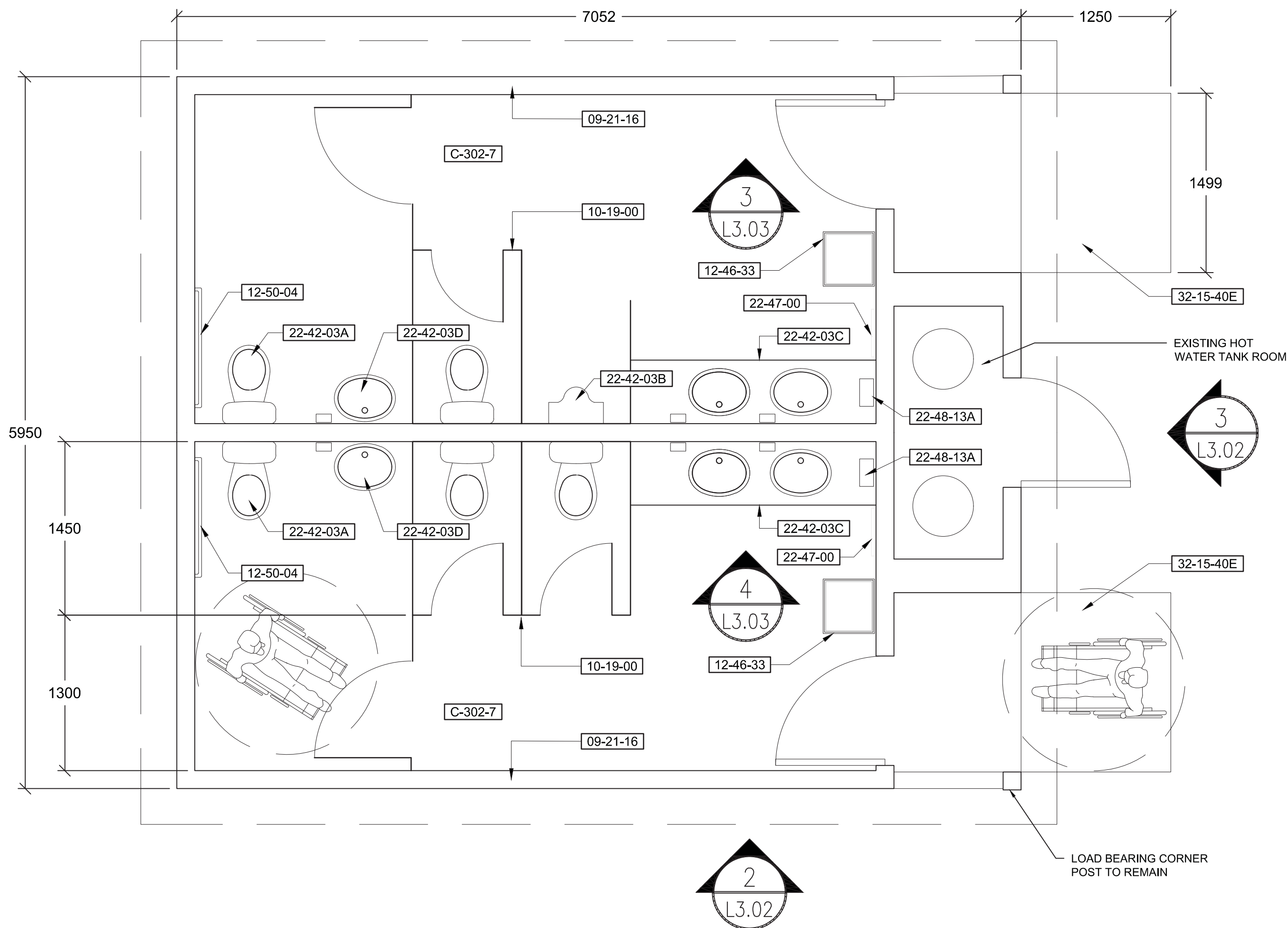
WASHROOMS - DEMOLITION

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SH	02/16/16
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
MM	MM	
Client Acceptance/Acceptation du client	Approved by/Approuvé par	

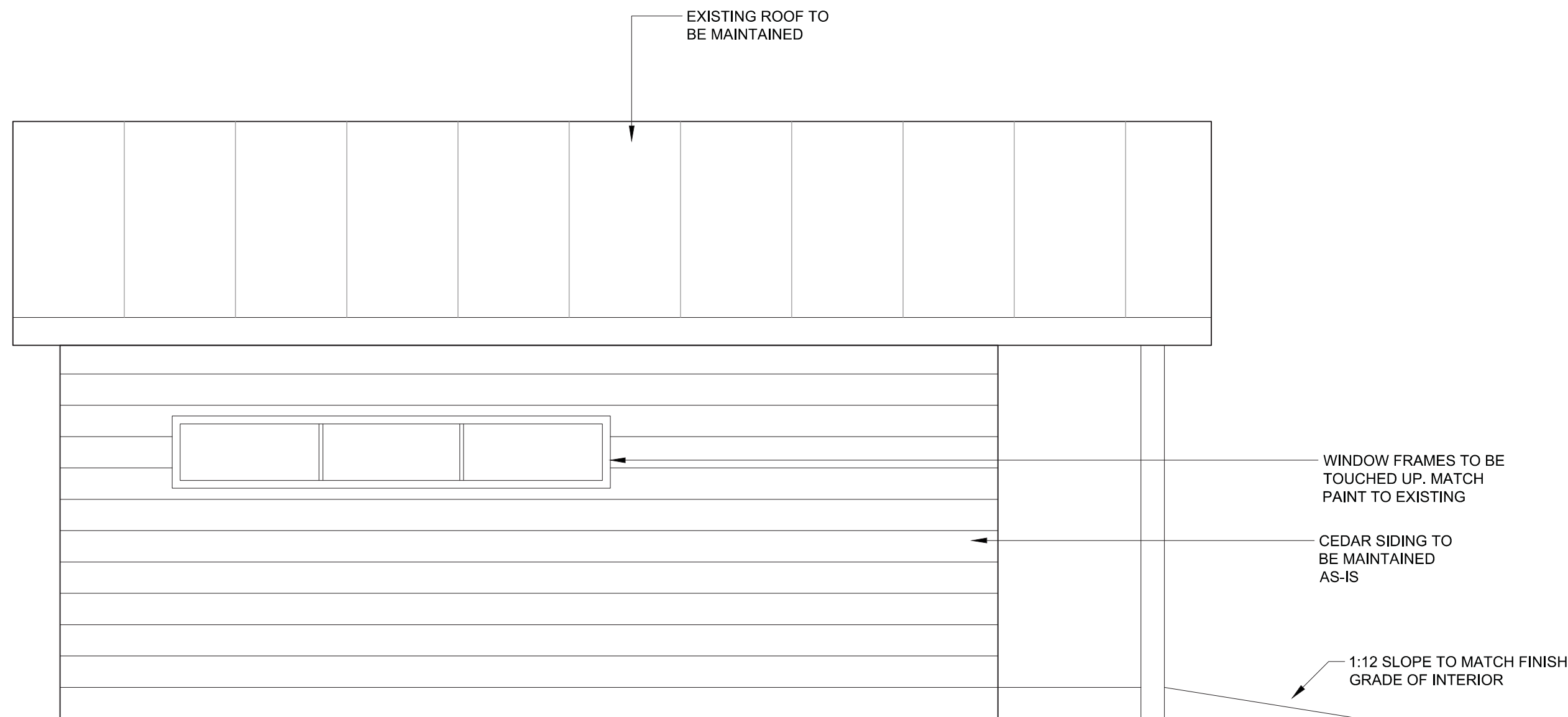
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
150102		
Drawing Set No./Nº de série du dessin		A2.01

PUBLIC WASHROOM RENOVATION SCHEDULE (PER WASHROOM), 3 IN TOTAL

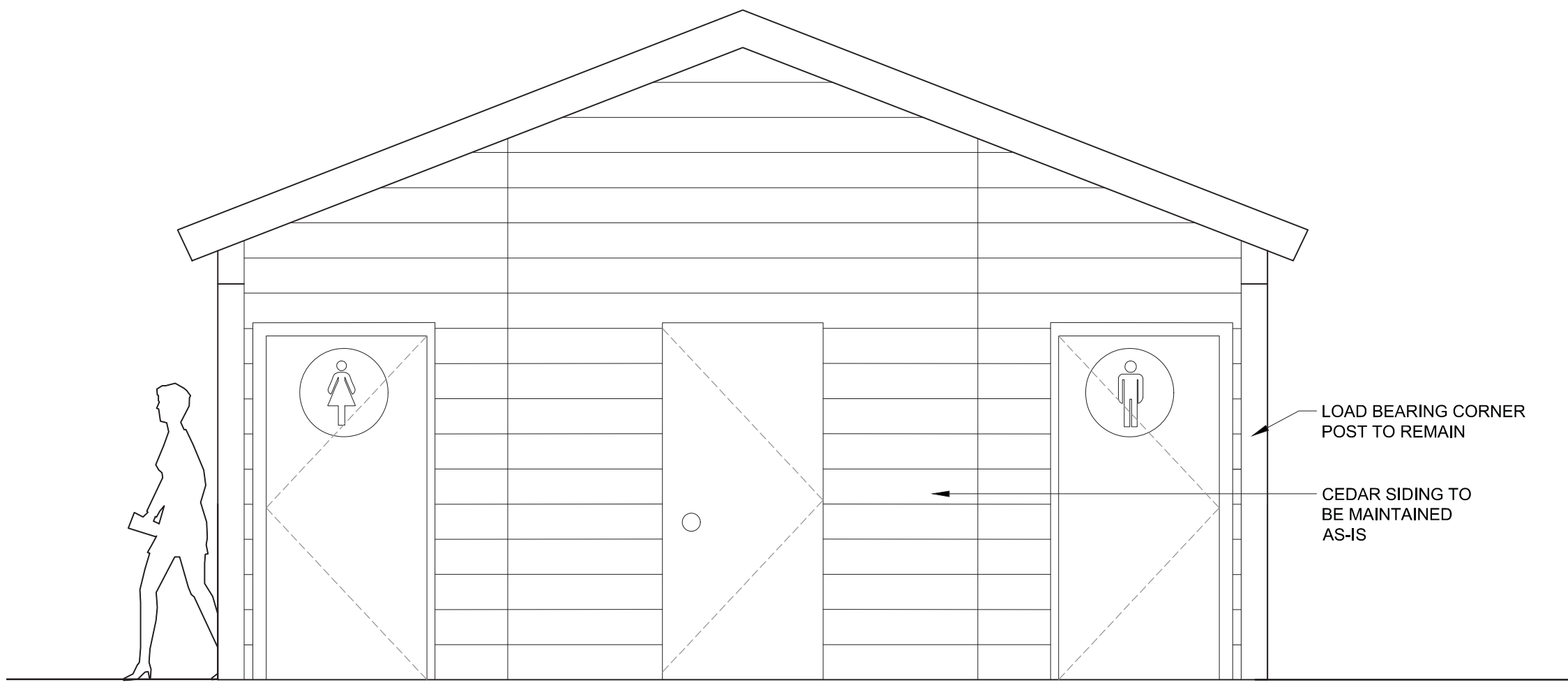
SYMBOL	GYPSUM BOARD ASSEMBLIES	QTY
09-21-16	DRYWALL	40.9 m
SYMBOL	SIGNAGE	QTY
10-19-00	HADRIAN HDPE PLASTIC BATHROOM PARTITIONS, COLOUR: 217 CANYON GRANITE, INCL. DOORS, LATCHES, MOUNTING HARDWARE, TOILET PAPER DISPENSERS, AND COAT HOOKS ON DOORS.	20.1 m
SYMBOL	12 FURNISHINGS	QTY
12-46-33	WASTE RECEPTACLE - SUPPLIED BY PARKS CANADA	2
SYMBOL	FURNITURE	QTY
12-50-04	WALL MOUNTED GRAB BAR, SUPPLY AND INSTALL AS PER THE ALBERTA BARRIER FREE DESIGN GUIDE.	2
SYMBOL	COMMERCIAL LAVATORIES AND SINKS	QTY
22-42-03A	SLOAN FLOOR MOUNTED WATER CLOSET, WETS-2000.1304 ST-2008 FLOOR MOUNT CLOSET AND ROAYL. 111 ESS TMO FLUSHOMETER INCLUDES PLUMBING AND COMMISSIONING	5
22-42-03B	SLOAN WATERLESS URINAL, WES-4000 WITH REPLACEABLE CARTRIDGE BARRIER INCLUDES PLUMBING AND COMMISSIONING	1
22-42-03C	SUPPLY + INSTALL NEW STAINLESS VANITY W/ 2 INTEGRATED SINKS INCLUDES PLUMBING AND COMMISSIONING	2
22-42-03D	SUPPLY + INSTALL WALL HUNG SINKS AND SOAP DISPENSER AS PER THE ALBERTA BARRIER FREE DESIGN GUIDE, INCLUDES PLUMBING AND COMMISSIONING	2
SYMBOL	DRINKING FOUNTAINS AND WATER COOLERS	QTY
22-47-00	WALL INSERT COMMERCIAL FAN FORCED HEATER DIMPLEX RF1830D31W PRODUCT CODE: CCXRF1830D31W INCLUDES WIRING AND COMMISSIONING MFR NO. RF1830D31W-KIT FRONT PANEL MATERIAL 18 GAUGE STEEL; GRILL SIZE 16-3/4 INCH W X 1-3/4 INCH D X 21-1/2 INCH H	2
22-48-13A	HAND DRYER SCELEATOR XL-W 220 INCLUDES WIRING AND COMMISSIONING	2
SYMBOL	CRUSHED STONE SURFACING	QTY
32-15-40E	CONCRETE RAMP	2
SYMBOL	FLOOR COATINGS	QTY
C3027	PATCH, PRIME AND APPLY EPOXY COATING AS PER CONTRACT DOCUMENTS.	32.1 m²



1
3.02
PLAN



3
3.02
EXTERIOR FRONT ELEVATION



2
3.02
EXTERIOR SIDE ELEVATION

No.3	May8/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
Linear dimensions in millimetres		Dimensions linéaires en millimètres		
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur		

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

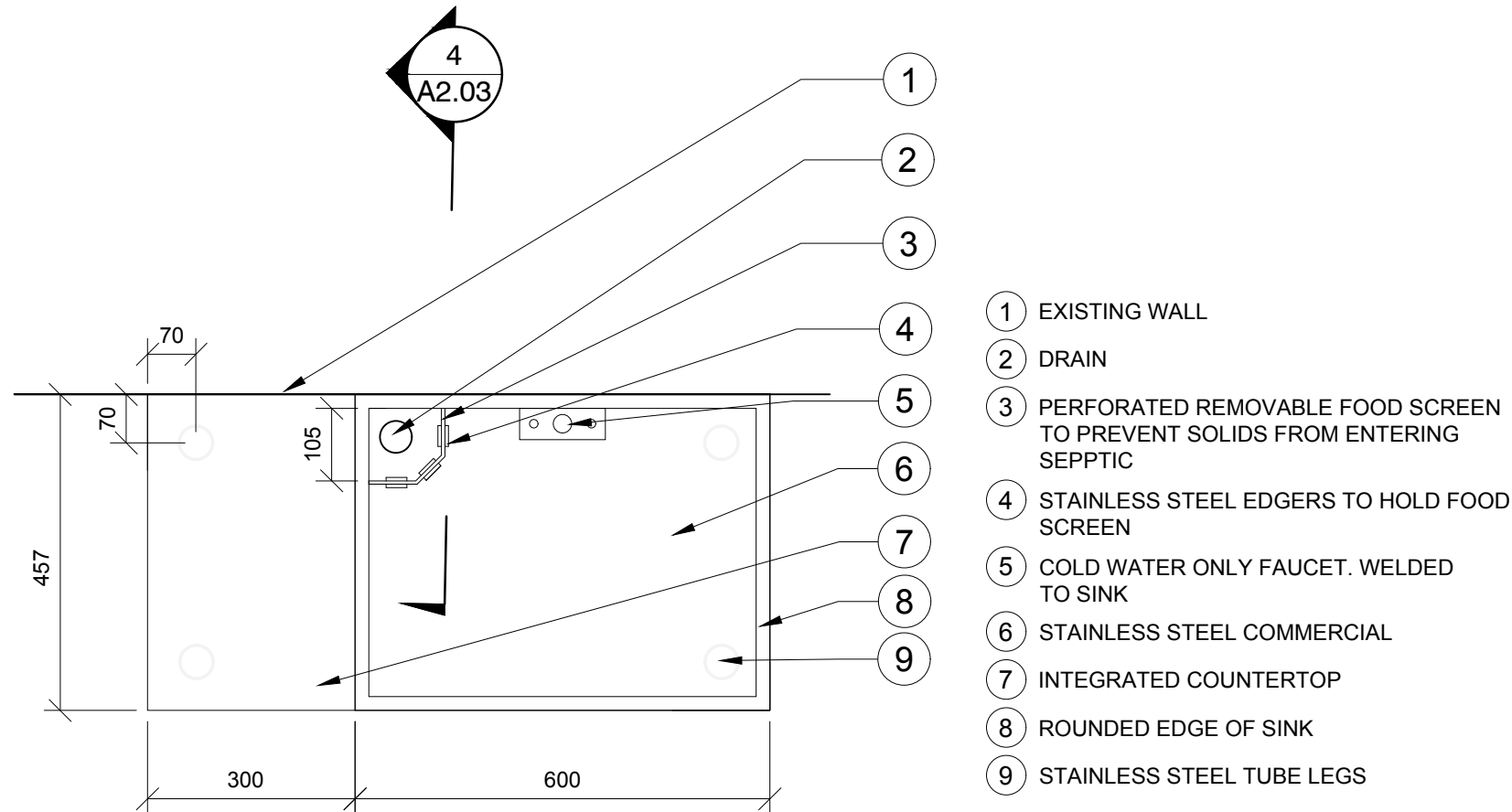
WASHROOMS - RENOVATIONS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
ABC	SH	11/7/15
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
MM	MM	
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date

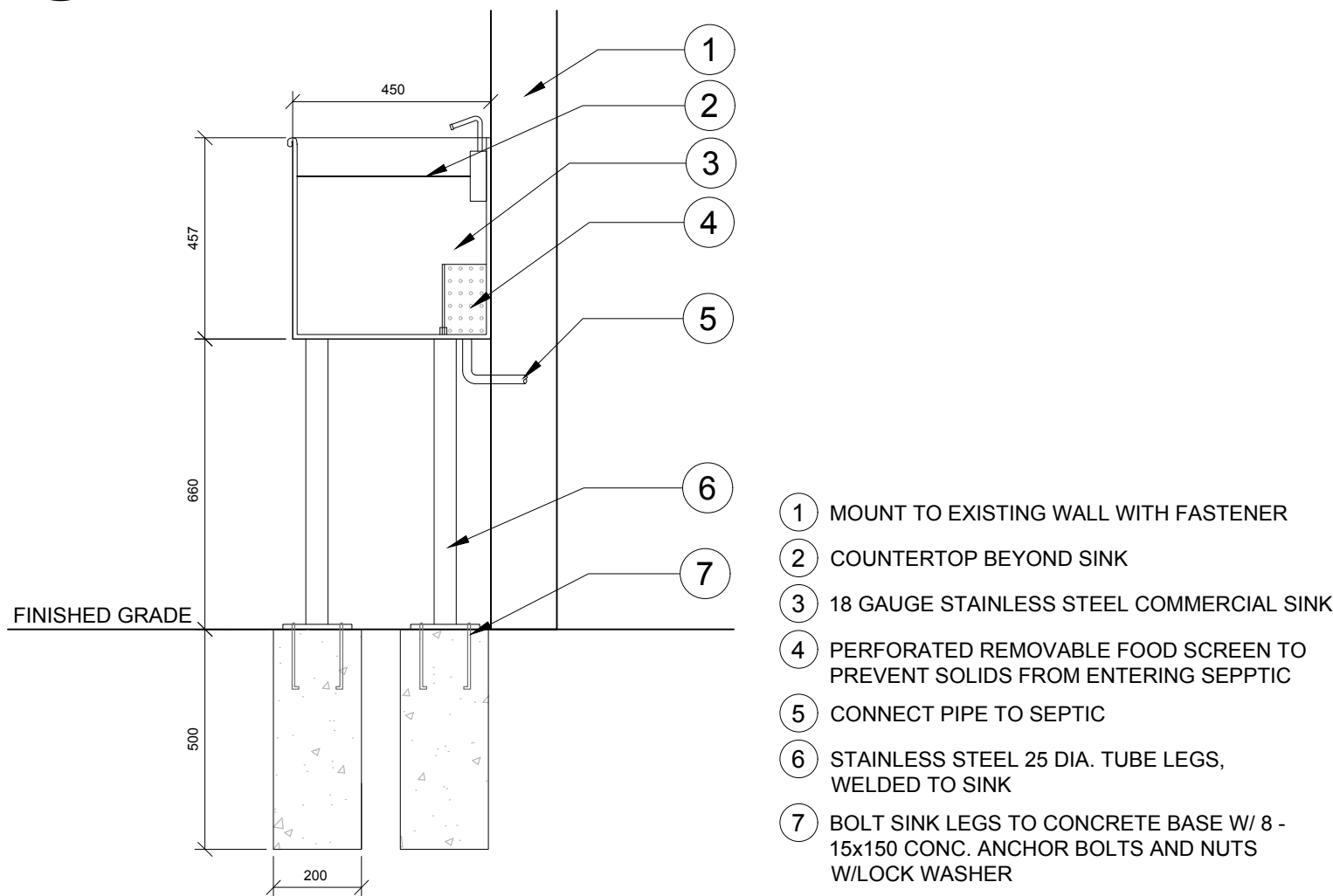
Project No./Nº du projet	Sheet No./Nº de la feuille
150102	A2.02
Drawing Set No./Nº de série du dessin	

REFERENCE NOTES SCHEDULE

SYMBOL	INSTRUMENTATION AND CONTROL FOR ELECTRIC DESCRIPTION	QTY
26-09-00	ELECTRICAL PLUG	1
SYMBOL	LIGHTING DESCRIPTION	
26-50-00A	MOTION CONTROLLED LED POTLIGHT LIGHT FIXTURE INCLUDES WIRING AND COMMISSIONING	
26-50-00B	EXTRACTOR FAN BROAN DX 90 INCLUDES WIRING AND COMMISSIONING	
26-50-00C	NEMALUX LED LIGHTING, XCANLEDDC-WW-WF-CUS-GEN-ALN. INCLUDES PHOTOCELLS FOR ACTIVATION, WIRING AND COMMISSIONING.	

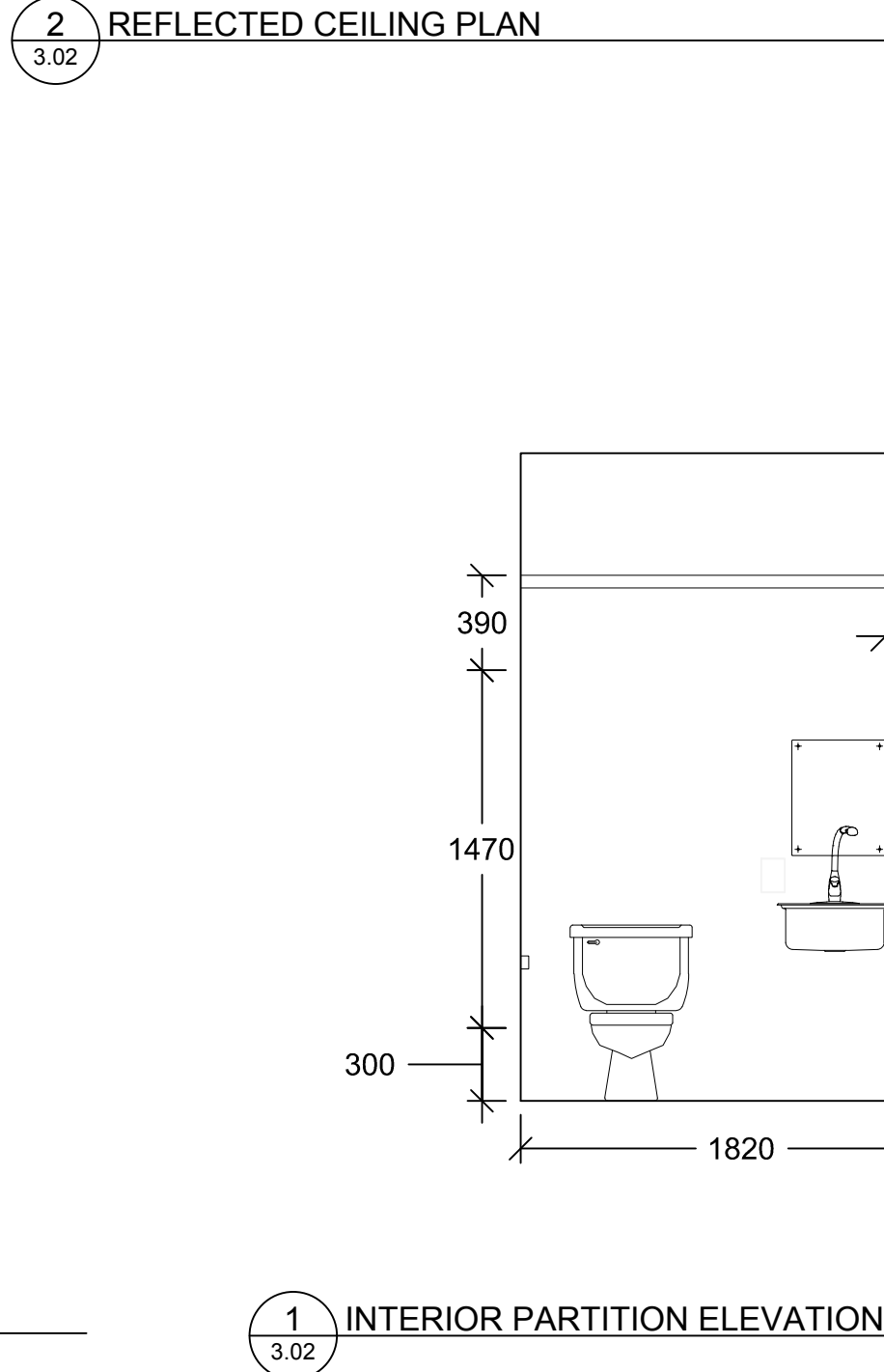
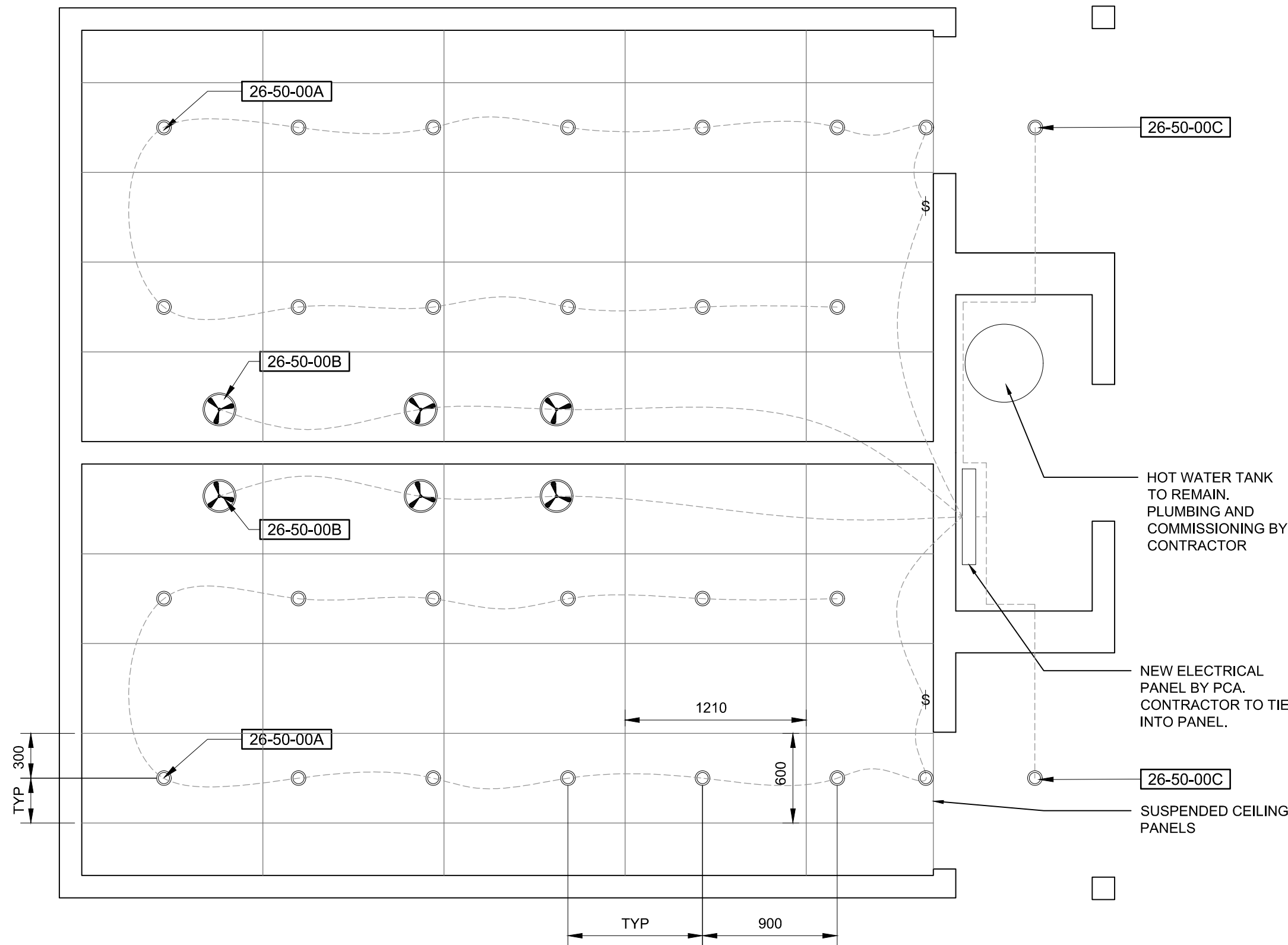


5 STAINLESS STEEL SINK PLAN

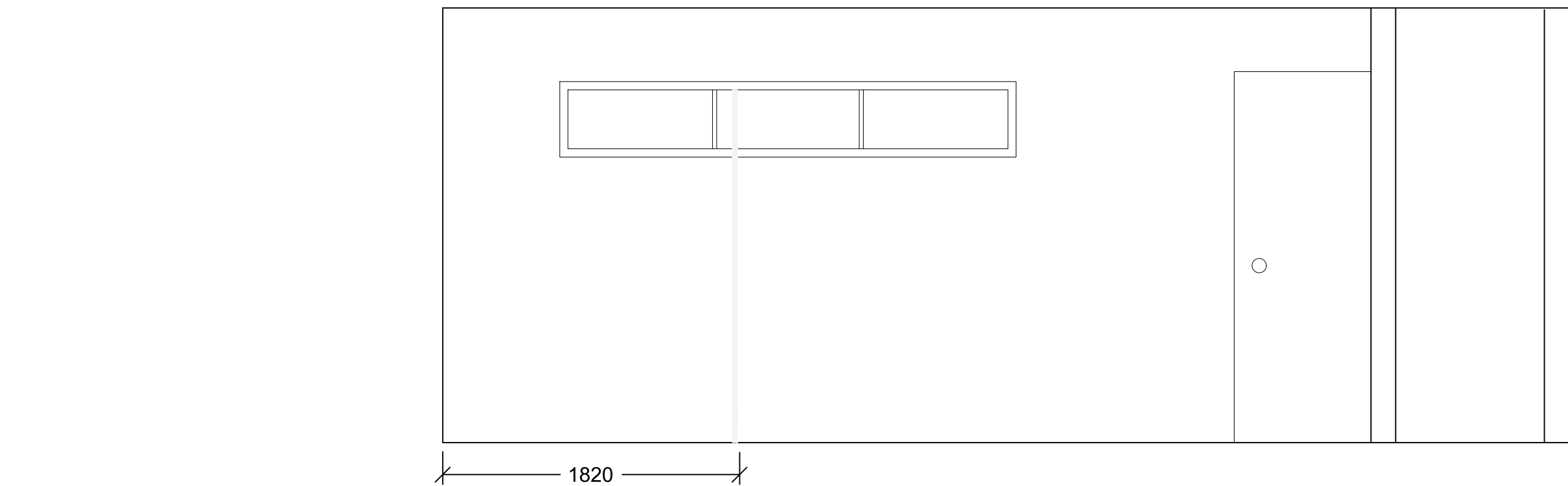


4 STAINLESS STEEL SINK

2 REFLECTED CEILING PLAN



1 INTERIOR PARTITION ELEVATION



3 INTERIOR WALL ELEVATION

No.3	May6/16	Issued for Tender	SH/ZW	
No.2	Mar23/16	100% Submission	SH/ZW	
No.1	Feb29/16	90% Submission	SH/ZW	Approved
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
A B	Detail number Sheet number
A B	A Numéro de detail B Numéro de la feuille
Linear dimensions in millimetres	
Dimensions linéaires en millimètres	
Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur

Project title/Titre du projet

PROTECTION MOUNTAIN CAMPGROUND

Drawing title/Titre du dessin

WASHROOM - RENOVATIONS PG.2

Surveyed by/Arpenté par ABC	Drawn by/Dessiné par SH	Date 11/7/15
Designed by/Concept par MM	Reviewed by/Revisé par MM	Scale/Echelle
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 150102	Asset No./Nº du bien	Sheet No./ Nºde la feuille
Drawing Set No./Nº de série du dessin		A2.03