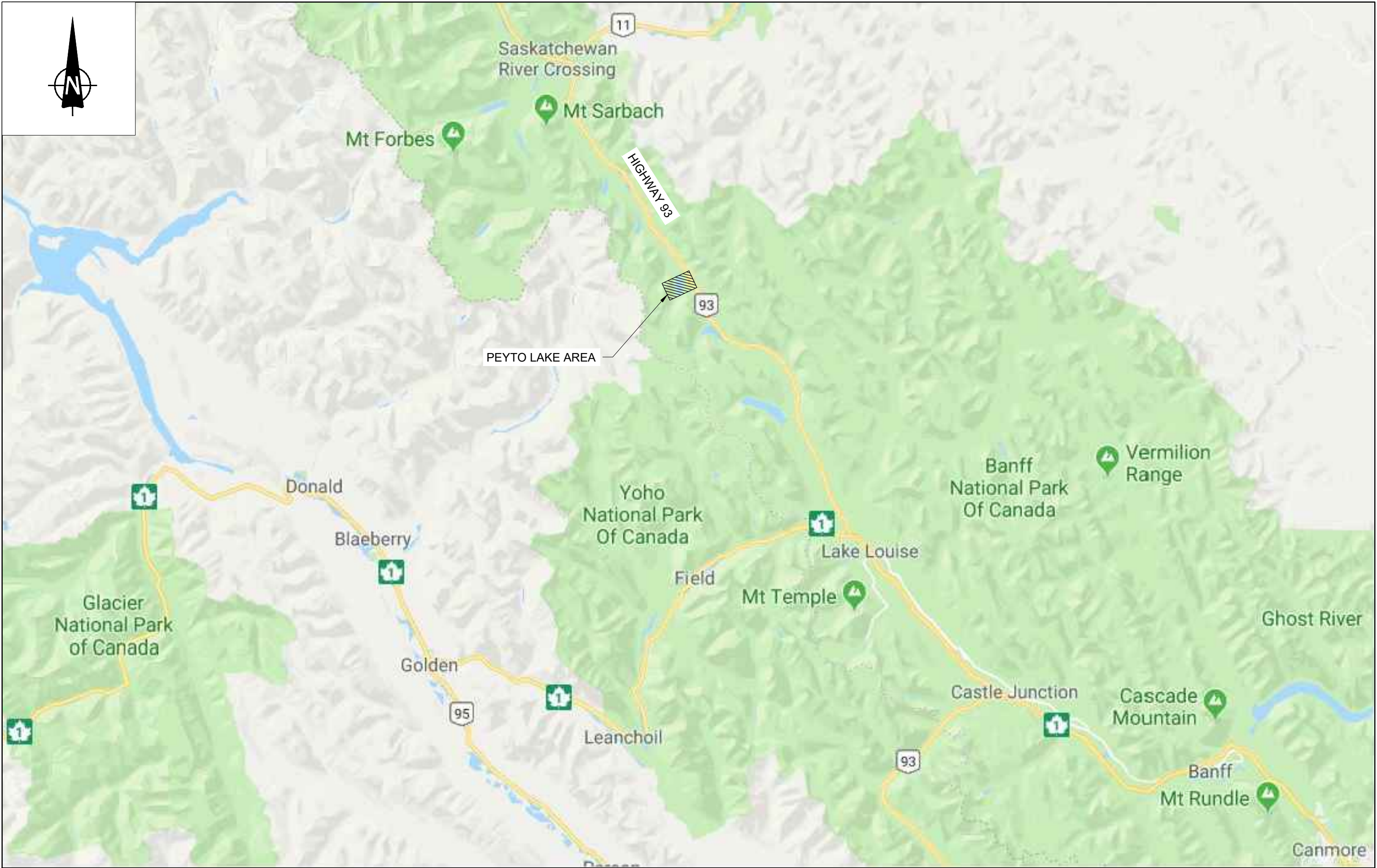


# PARKS CANADA AGENCY

## BANFF NATIONAL PARK PEYTO LAKE DAY USE AREA REHABILITATION (FII 1494) UPPER PARKING LOT AND TRAILS

SHEET LIST TABLE	
Drawing Number	Sheet Title
C-0000	COVER PAGE
C-0001	LEGEND
C-1005	UPPER PARKING LOT LAYOUT PLAN
C-1006	UPPER PARKING LOT REMOVALS PLAN
C-1007	UPPER PARKING LOT SETTING OUT AND GRADING PLAN
C-1008	UPPER PARKING LOT CROSS SECTIONS AND PAVEMENT DETAILS
C-2000	PATHWAY IMPROVEMENTS KEY PLAN
C-2001	PATHWAY IMPROVEMENTS AREA 1
C-2002	PATHWAY IMPROVEMENTS AREA 2
C-2003	PATHWAY DETAILS
L-1001	LANDSCAPE DETAILS
L-1002	LANDSCAPE SITE PLAN - UPPER PARKING LOT
L-1003	BENCH DETAILS
C-4000	PRIVY - GENERAL NOTES
C-4001	PRIVY FLOOR PLAN & ROOF FRAMING PLAN
C-4002	PRIVY BUILDING ELEVATIONS
C-4003	PRIVY BUILDING SECTIONS & DETAILS



ISSUED FOR TENDER

ISSUE DATE: 2020-06-18



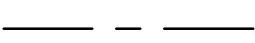
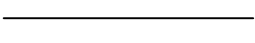
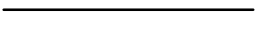





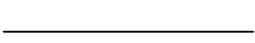




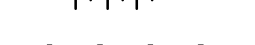









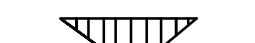
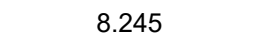
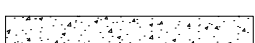





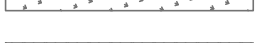

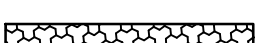
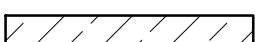
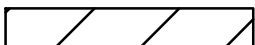

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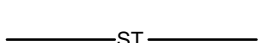
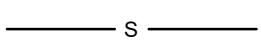
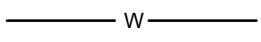
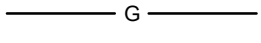













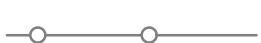

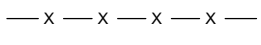
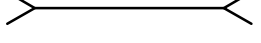



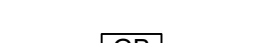











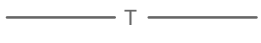




PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
CT184101	C-0000	C



LEGEND

PROPOSED

ROADWAY ( CENTRELINE)	
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
CONCRETE BARRIER	
RETAINING WALL	
PROPERTY LINE	
CHAIN LINK FENCE	
POST & CABLE FENCE	
WOOD FENCE	
GUARD RAIL W-BEAM	
SAW-CUT	
BERM	
DITCH BOTTOM	
DAYLIGHT LINE	
GRADING	
DELINEATORS	
LOW PROFILE BARRIER	
CONCRETE CURB (STANDARD CURB)	
CONCRETE CURB (STANDARD CURB AND GUTTER )	
CONTOURS	
MAJOR	
MINOR	
CATCH BASIN	
CULVERT	
TRAFFIC DIRECTION	
WHEELCHAIR RAMP	
PAVEMENT ELEVATION	8.245
CONCRETE FILL	
CONCRETE PRIVY PAD	
ASPHALT PAVEMENT	
ASPHALT PATHWAY	
ASPHALT REMOVAL	
CONCRETE REMOVAL	
LANDSCAPE AREA	
MILLS & OVERLAY	
NO PARKING AREA	
CONCRETE PAVING	
TOPSOIL & TREE REMOVAL	
ASPHALT REMOVAL	

PROPOSED STORM	
PROPOSED SANITARY	
PROPOSED WATER	
PROPOSED GAS	
PROPOSED TELEPHONE	
PROPOSED CABLE LINE	
PROPOSED POWER LINE	
PROPOSED MANHOLE	
STREET LIGHT	
UTILITY POLE	
TRANSFORMER	
VAULT	
RELOCATED LIGHT	
RELOCATED LIGHT ON SIGNAL POLE	
EXISTING LIGHT TO BE RELOCATED	
EXISTING	
EDGE OF GRAVEL	
PATHWAY	
POST & CABLE FENCE	
RESIDENTIAL WOOD FENCE	
CHAIN LINK FENCE	
CULVERT	
ALBERTA SURVEY CONTROL MARKER	
CONTROL POINT	
ELECTRICAL BOX	
ELECTRICAL PEDESTAL	
GLASS BUS SHELTER	
HYDRANT	
MANHOLE	
SIGN	
EXISTING LIGHT	
TRAFFIC LIGHT PEDESTAL	
TREE	
POWER POLE	
UTILITY POLE ANCHOR	
STORM	
SANITARY	
WATER	
GAS	
TELEPHONE	
CABLE LINE	
POWER LINE	


ABBREVIATIONS

AV	AVENUE
BC	BEGINNING CURVE
BOC	BACK OF CURB
BP	ALIGNMENT BEGINNING POINT
BVC	VERTICAL TANGENT-CURVE INTERSECT
BW	BACK OF WALK
C	CURVE
C&G	CURB & GUTTER
CB	CATCH BASIN
CC	CENTRE OF CURVE
CON	CONCRETE
CR	CRESCENT
CS	CURVE-SPIRAL INTERSECT
CSRS	CANADIAN SPATIAL REFERENCE SYSTEM
CT	CURB TRANSITION
CL	CENTRE LINE
DR	DRIVE
E	EAST/EASTING
EB	EAST BOUND
EC	END CURVE
EL	ELEVATION
EOP	EDGE OF PAVMENT
EP	ALIGNMENT END POINT
EVC	VERTICAL CURVE-TANGENT INTERSECT
EX	EXISTING
FOC	FACE OF CURB
FUT	FUTURE
K	CURVE COEFFICIENT
L	LENGTH
LOC	LIMIT OF CONSTRUCTION
LOG	LIP OF GUTTER
LVC	LENGTH OF VERTICAL CURVE
m	METER
MH	MANHOLE
MONO	MONOLTHIC SIDEWALK AND CURB & GUTTER
N	NORTH/NORTHING
NB	NORTH BOUND
NAD83	NORTH AMERICAN DATUM, 1983
NRCan	NATURAL RESOURCES CANADA
PC	TANGENT-CURVE INTERSECT
PCC	COMPOUND CURVE-CURVE INTERSECT
PI	TANGENT-TANGENT INTERSECT
PL	PLACE/PROPERTY LINE
PPP	PRECISE POINT POSITIONING
PRC	RESERVE CURVE-CURVE INTERSECT
PROF	PROFILE
PROP	PROPOSED
PT	CURVE-TANGENT INTERSECT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RD	ROAD
REV	REVERSE
RGE	RANGE
ROW	RIGHT OF WAY
RW	RETAINING WALL
S	SOUTH
S/W	SIDEWALK
SB	SOUTH BOUND
SC	SPIRAL-CURVE INTERSECT
SEC	SECTION
SHLD	SHOULDER
SL	STREET LIGHT
ST	STREET
STA	STATION
STD	STANDARD
T=	TANGENT LENGTH
TEMP	TEMPORARY
TR	TRAIL
TWP	TOWNSHIP
TYP	TYPICAL
ULT	ULTIMATE
UR/W	UTILITY RIGHT OF WAY
UTM	UNIVERSAL TRANSVERSE MERCATOR
VAR	VARIES
W	WEST
WB	WEST BOUND
WCR	WHEEL CHAIR RAMP

Consultant's Name  
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Fax (403) 248-2188

Eng. Stamp  
Sceau de l'ingénieur



APEGA PERMIT NUMBER: 4546

DO NOT SCALE DRAWINGS

C	ISSUED FOR TENDER	20/06/18
B	ISSUED FOR 99% REVIEW	19/11/12
A	ISSUED FOR REVIEW	19/10/25
revisions	description	date

Client

PARKS CANADA AGENCY

BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2

project title

PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)

approved by

designed by  
J. HELLMAN

drawn by  
B. ONG

PWOSC Project Manager  
K. SHAW

PWOSC, Architectural and Engineering Resources Manager

Client  
PARKS CANADA AGENCY

drawing title  
LEGEND

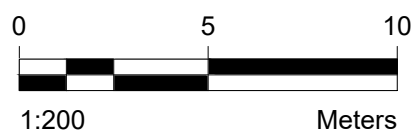
project no.	sheet	revision no.
CT184101	C-0001	C





NOTES:

1. ALL SIGNING AND MARKING DETAILS SHALL FOLLOW M.U.T.C.D.C. AND PARKS CANADA GUIDELINES.
2. THIS DRAWING SHOWS ONLY SIGNING TO BE PERMANENT UPON PROJECT COMPLETION FOR EXISTING SIGN REMOVALS SEE SHEET C-1003. ALL SIGNS ARE TO BE BILINGUAL.
3. THE SHOWN TEXT/SYMBOLS SHALL BE PAINTED ON THE FINISHED PAVED SURFACE UNLESS OTHERWISE SPECIFIED BY THE DEPARTMENT REPRESENTATIVE.
4. ALL PAVEMENT MARKINGS SHALL BE WHITE UNLESS OTHERWISE SPECIFIED BY THE DEPARTMENT REPRESENTATIVE.
5. LOW PROFILE CURB STOP SHALL BE A LAFARGE TRAFFIC BARRIER, PRODUCT # 9003, OR EQUIVALENT APPROVED BY THE DEPARTMENT REPRESENTATIVE.



**wood.**

Consultant's Name  
Nom de l'expert-conseil  
Wood Environment & Infrastructure Solutions,  
a Division of Wood Canada Ltd.  
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Sceau de l'ingénieur  
Professional Engineer  
Alberta  
J. Ong  
2018

APEGA PERMIT NUMBER: 4546

DO NOT SCALE DRAWINGS

revisions	description	date
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Client

PARKS CANADA AGENCY

BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2

project title

PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)

approved by

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PWSC Project Manager  
K. SHAW

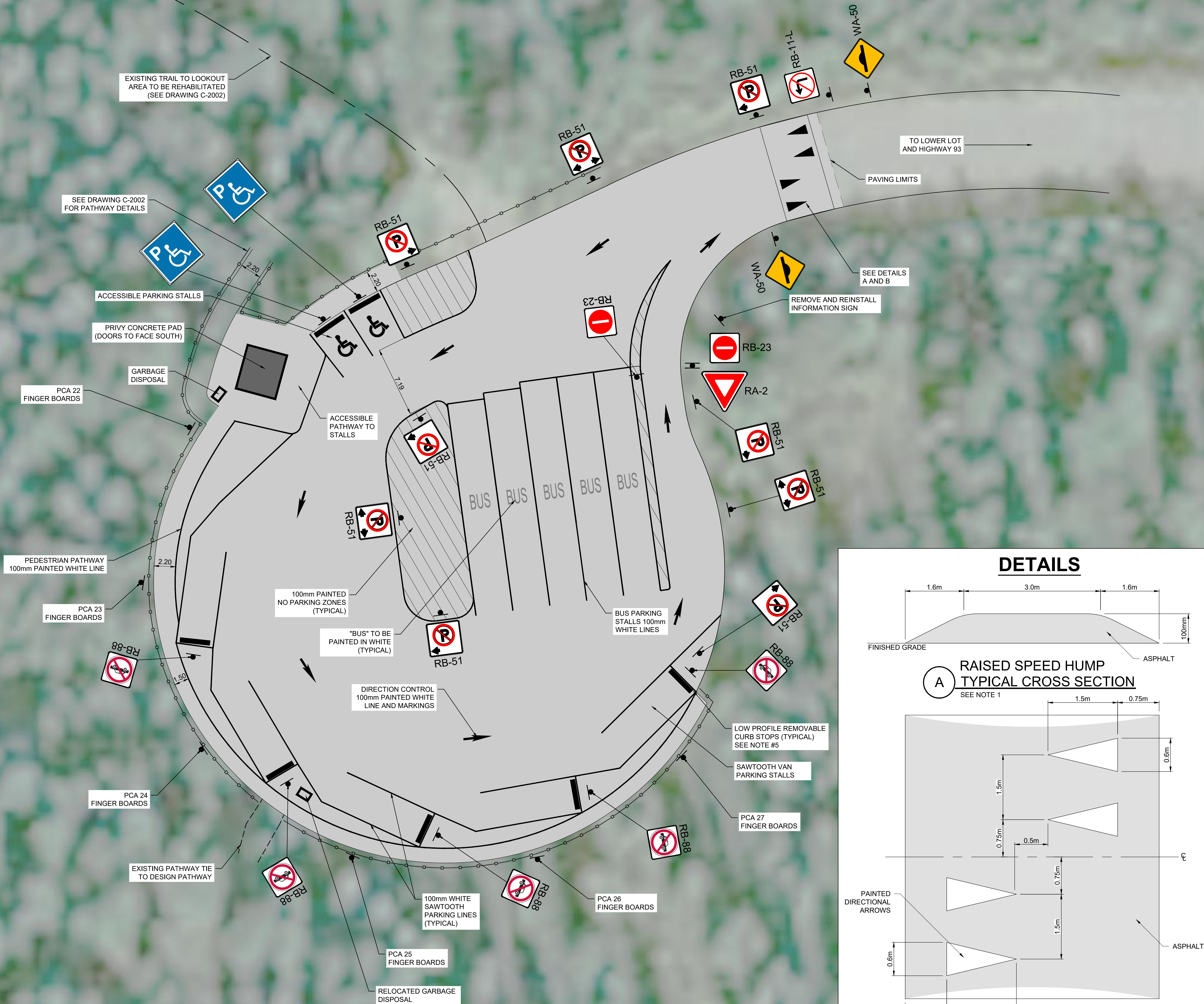
PWSC, Architectural and Engineering Resources Manager

Client  
PARKS CANADA AGENCY

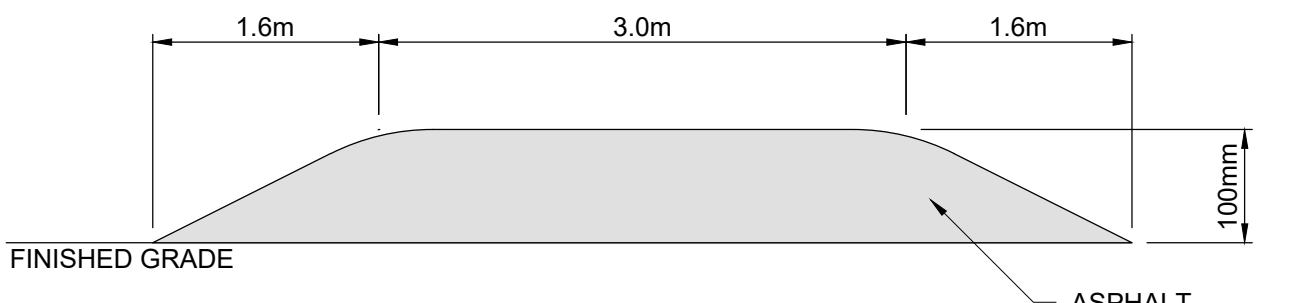
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UPPER PARKING LOT  
LAYOUT PLAN

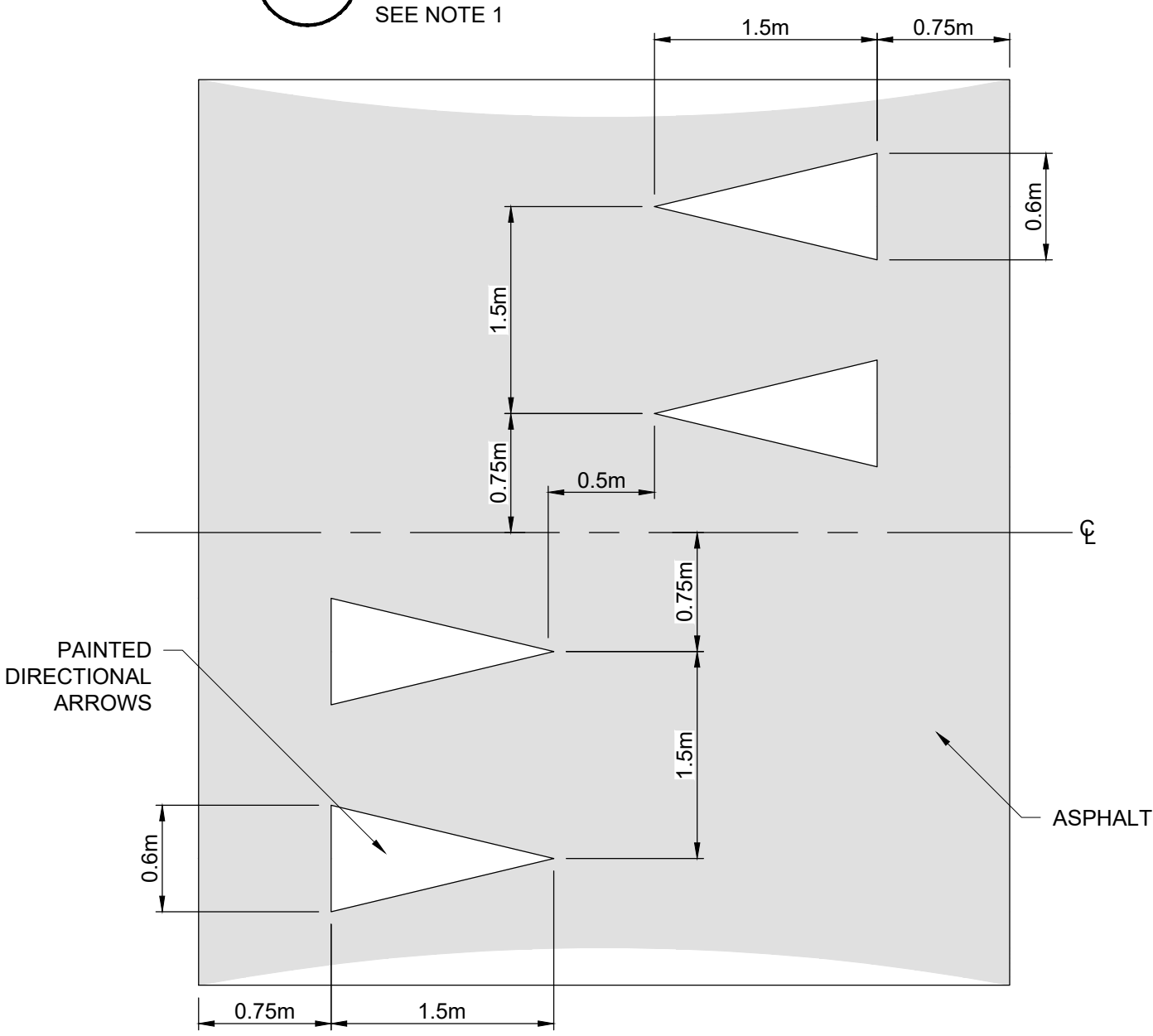
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CT184101	C-1005	C



DETAILS

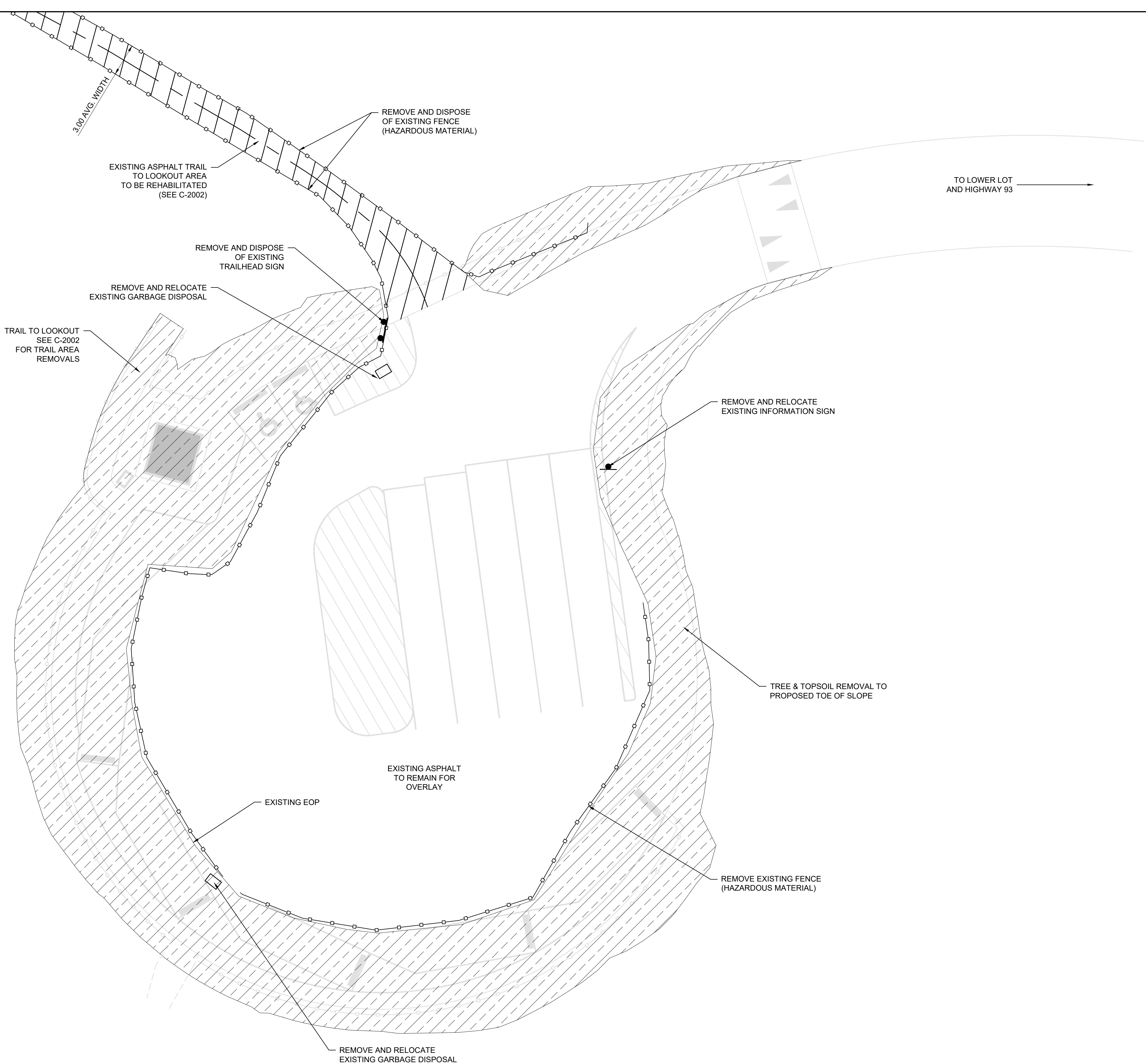


A RAISED SPEED HUMP  
TYPICAL CROSS SECTION  
SEE NOTE 1



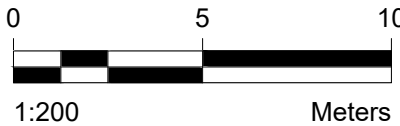
B SPEED HUMP PAVEMENT MARKINGS  
SEE NOTE 1






**NOTE:**

1. CONTRACTOR TO COMMUNICATE WITH THE DEPARTMENTAL REPRESENTATIVE IN CASE OF OTHER EXISTING SIGNS OR FEATURES AFFECTED BY CONSTRUCTION WORKS.



**wood.**

<b>Consultant's Name</b> Nom de l'expert-conseil <b>Wood Environment &amp; Infrastructure Solutions,</b> a Division of Wood Canada Ltd. #401, 1925 - 18th Avenue NE Calgary, Alberta CANADA T2E 7T8 Tel: (403) 248-4331 Fax: (403) 248-2188	<b>Eng. Stamp</b> Sceau de l'ingénieur 
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revisions	description	date

Client

**PARKS CANADA AGENCY**

**BANFF NATIONAL PARK, P.O. BOX 900**  
**BANFF, ALBERTA, T1L 1K2**

project title

**PEYTO LAKE**  
**DAY USE AREA**  
**REHABILITATION (FII 1494)**

approved by

designed by  
**J. HELLMAN**

drawn by  
**B. ONG**

PWSC Project Manager  
**K. SHAW**

PWSC, Architectural and Engineering Resources Manager

Client  
**PARKS CANADA AGENCY**

drawing title

**UPPER PARKING LOT**  
**REMOVALS PLAN**

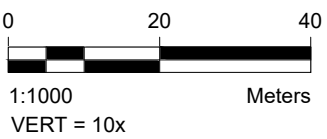






NOTE

1. SURVEY PERFORMED IN OCTOBER 2018.  
COORDINATES ARE IN UTM ZONE 11, NAD 83 (CSRS). CONTROL POINTS WERE ESTABLISHED USING NRCAN'S PPP SERVICE.



wood.

Consultant's Name  
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APEGA PERMIT NUMBER: 4546

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B	ISSUED FOR 90% REVIEW	19/11/12
A	ISSUED FOR REVIEW	19/10/25
revisions	description	date

Client

**PARKS CANADA AGENCY**

**BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2**

project title

**PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)**

approved by

designed by  
**J. HELLMAN**

drawn by  
**B. ONG**

PWOSC Project Manager  
**K. SHAW**

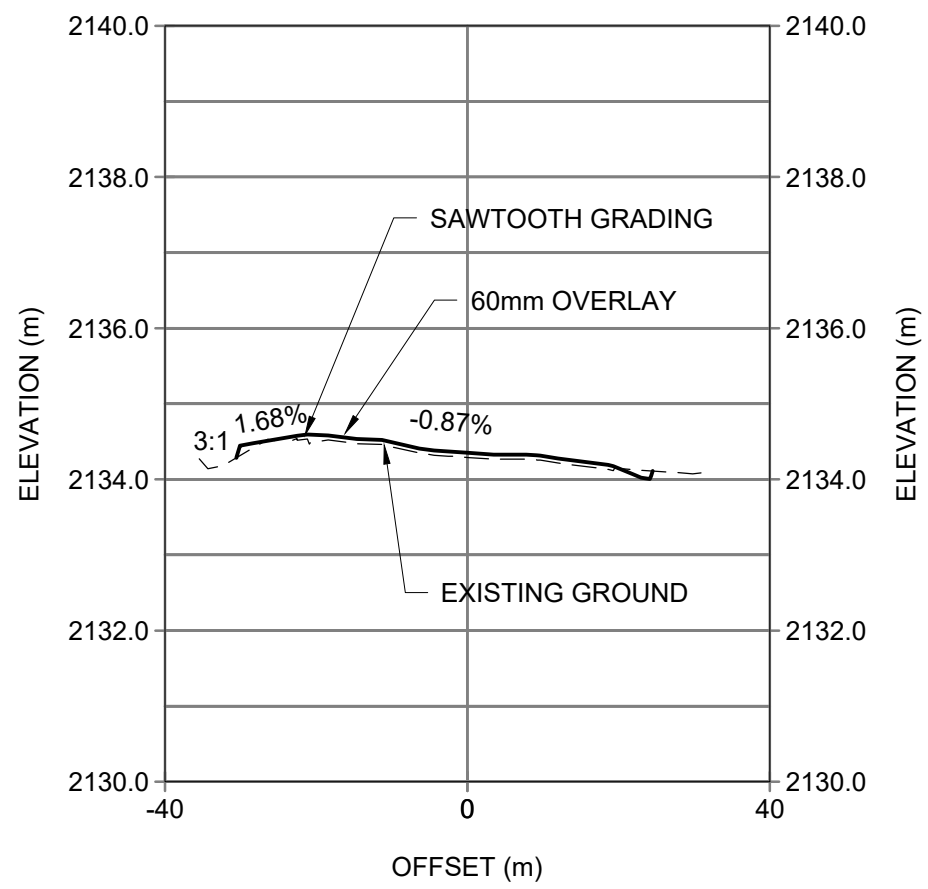
PWOSC, Architectural and Engineering Resources Manager

Client  
**PARKS CANADA AGENCY**

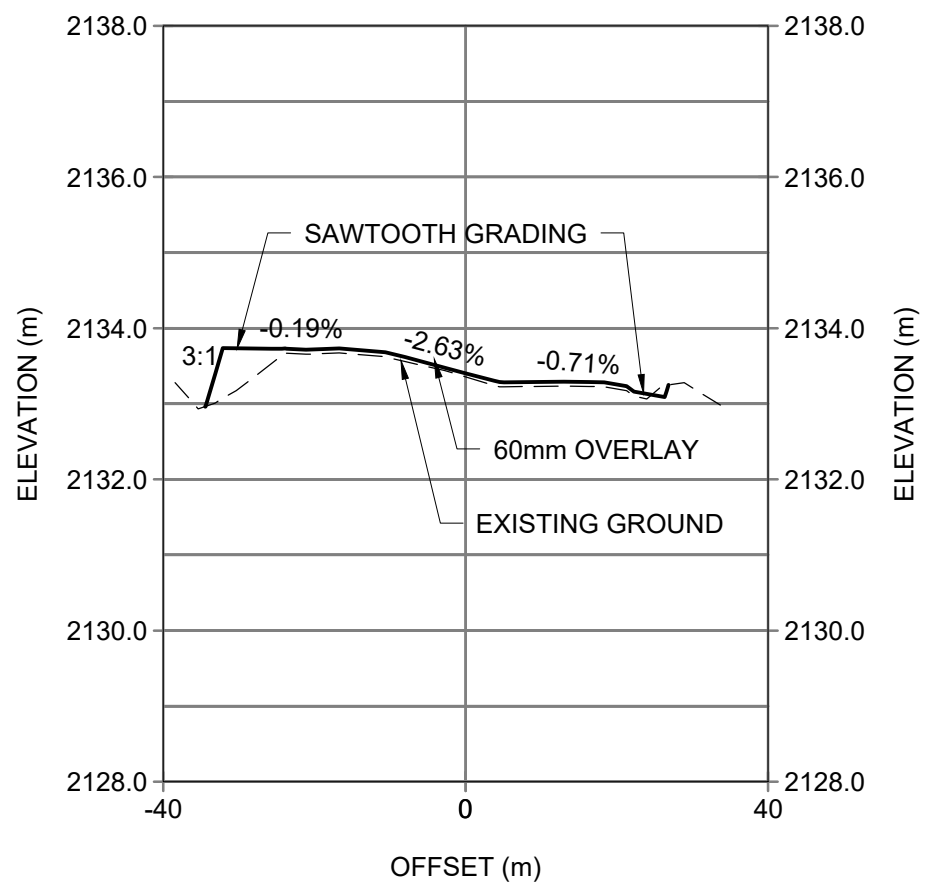
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**UPPER PARKING LOT  
CROSS SECTIONS AND  
PAVEMENT DETAILS**

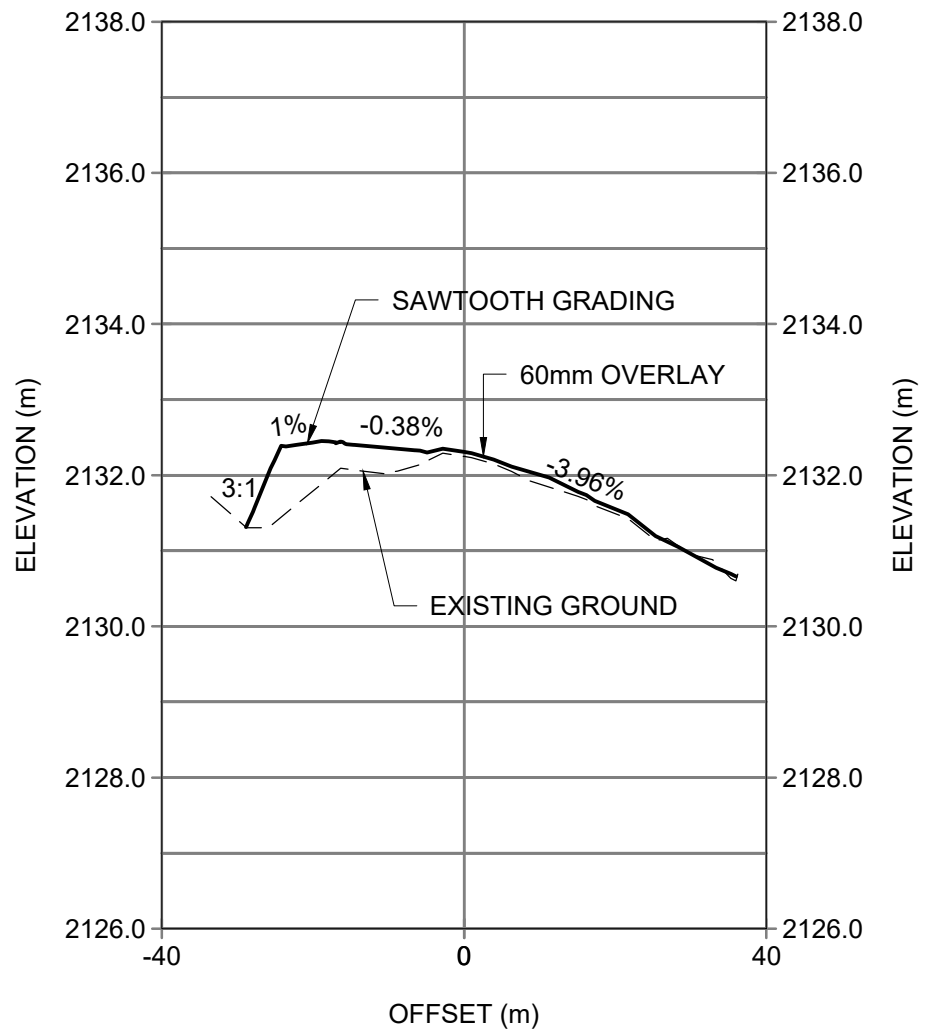
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<b>CT184101</b>	<b>C-1008</b>	<b>C</b>



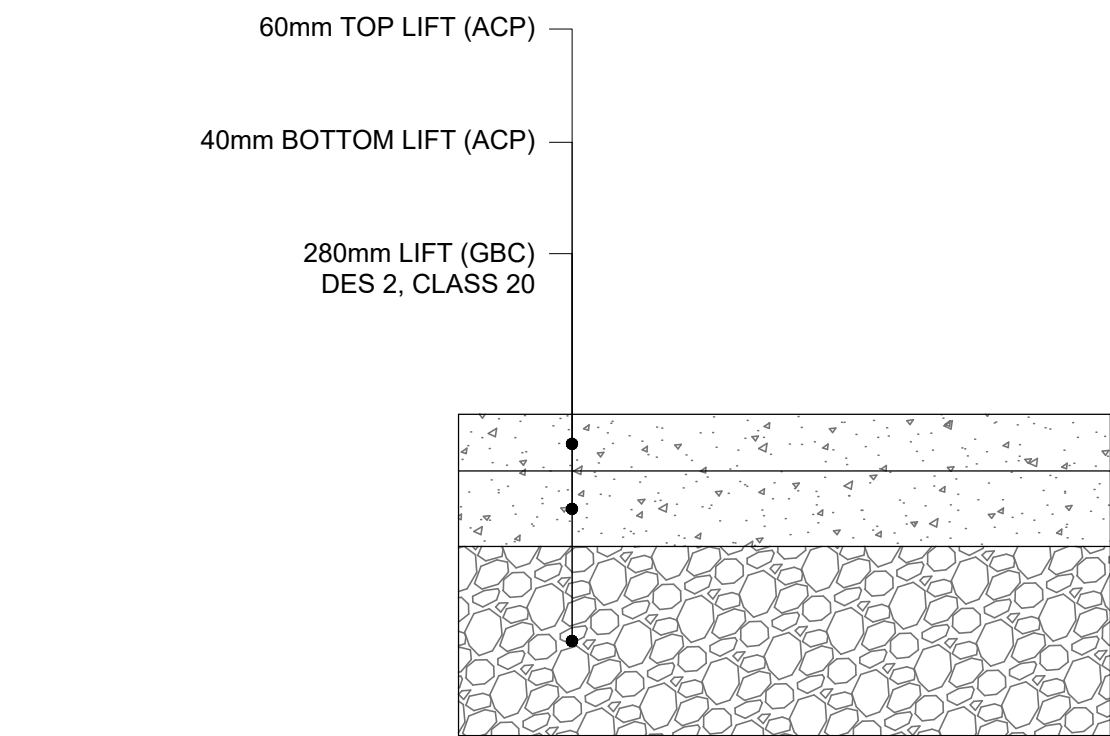
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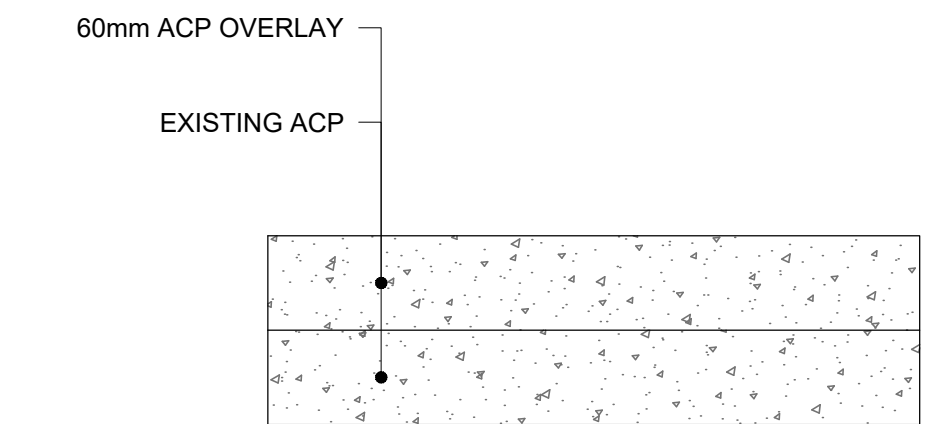
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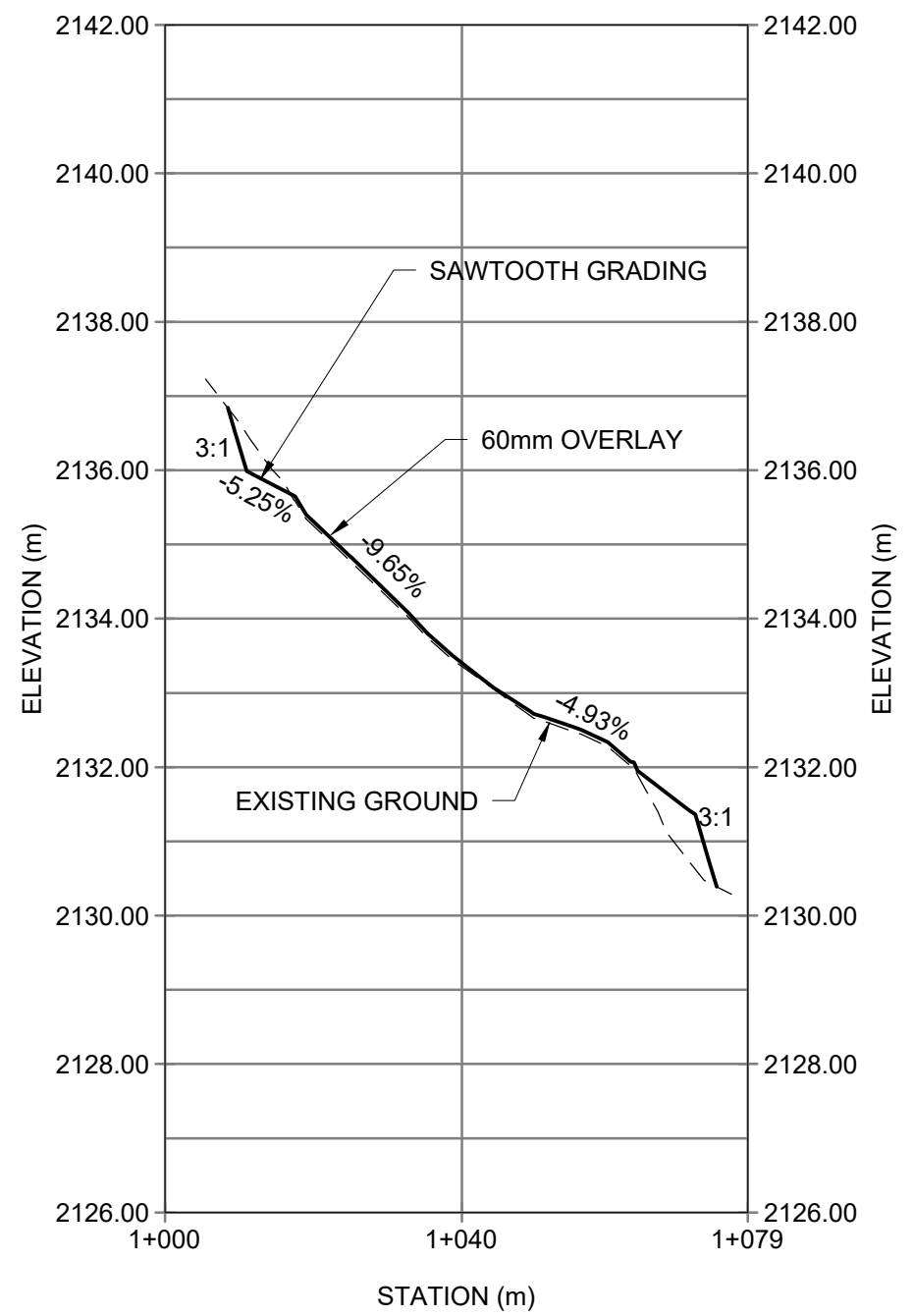
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**1 NEW GRADED AREAS AT UPPER PARKING LOT**  
NOT TO SCALE



**2 UPPER PARKING LOT OVERLAY**  
NOT TO SCALE

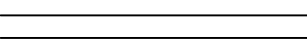


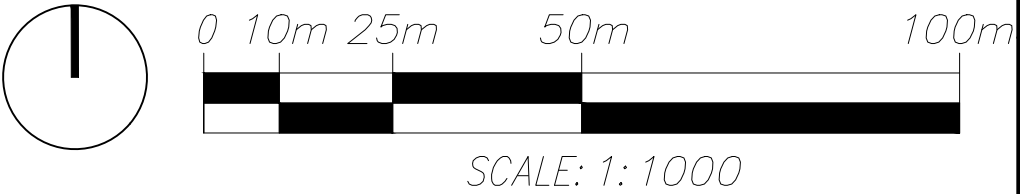
**SECTION A  
C-1007**





LEGEND

-  PROPOSED TRAIL
-  EXISTING TRAIL
-  LIMIT OF SHEET LAYOUT



Consultant's Name  
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Tel: (403) 228-1336  
Fax: (403) 228-1320

L. Architect Stamp  
Sceau de l'ingénieur

  
Matthew Williams

DO NOT SCALE DRAWINGS		
C	ISSUED FOR TENDER	20/02/24
B	ISSUED FOR 90% REVIEW	19/11/12
A	ISSUED FOR REVIEW	19/10/25
revisions	description	date

Client

**PARKS CANADA AGENCY**

**BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2**

project title

**PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)**

approved by  
**MW**

designed by  
**NS/CS/ZM**

drawn by  
**NS/CS/YZ**

PWCSC Departmental Representative

PWCSC Architectural and Engineering Resources Manager  
**K. SHAW**

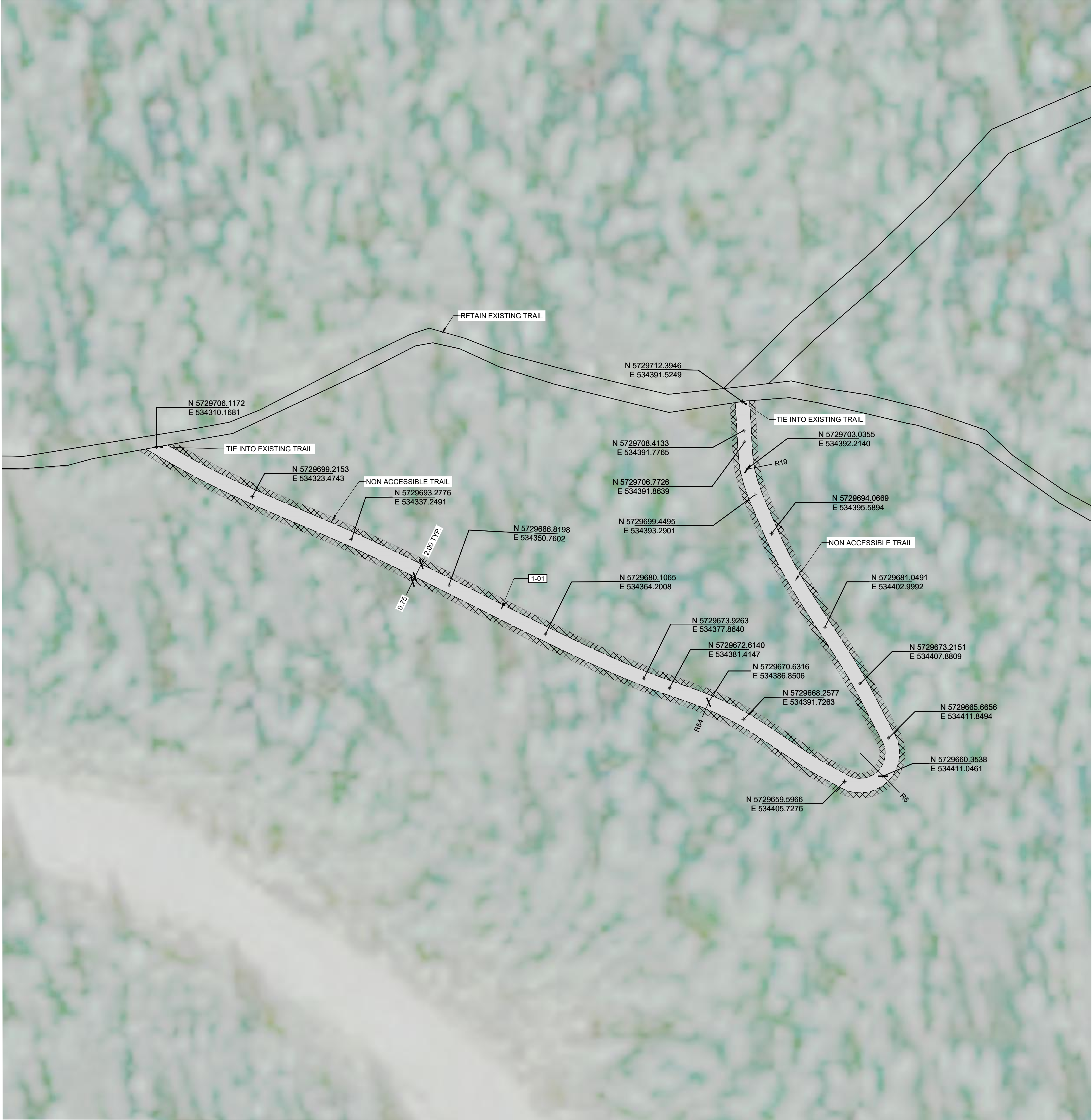
Client  
**PARKS CANADA AGENCY**

drawing title

**PATHWAY IMPROVEMENTS  
KEY PLAN**

project no.	sheet	revision no.
<b>CT184101</b>	<b>C-2000</b>	<b>C</b>





REFERENCE NOTES SCHEDULE

Table with 4 columns: SYMBOL, 1 - PAVEMENT, RAMPS, CURBS DESCRIPTION, QTY, DETAIL. Row 1: 1-01, PROPOSED ASPHALT TRAIL, 169.0 m, 1/C-2003.

PLANT SCHEDULE 1:300 AREA 1

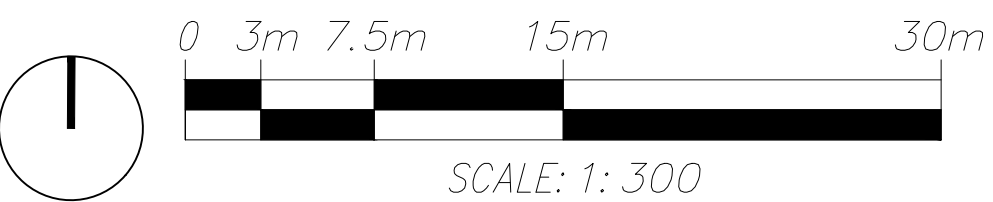
Table with 6 columns: GROUND COVERS, CODE, BOTANICAL / COMMON NAME, CONTAINER, SPACING, QTY. Row 1: SE, RESTORATION SEED MIX- REFER TO SPECIFICATIONS, N/A, 376.6 m².

PATHWAY IMPROVEMENTS GENERAL NOTES:

- A. PROJECT IS LOCATED IN AN AREA OF SENSITIVE VEGETATION. CONFIN...
B. CONTRACTOR SHALL NOT REMOVE ANY TREES OTHER THAN THOSE DESIGNATED FOR REMOVAL WITHOUT PRIOR AGREEMENT BY PCA DEPARTMENTAL REPRESENTATIVE.
C. ALL ITEMS NOT DESIGNATED TO BE REMOVED SHALL BE PROTECTED IN PLACE, INCLUDING THOSE NOT PROTECTED BY TREE PROTECTION FENCING OR SPECIFICALLY NOTED AS PROTECT IN PLACE.
D. TREE PROTECTION FENCING TO BE INSTALLED PRIOR TO COMMENCING ANY OTHER WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
E. CONTRACTOR SHALL MAKE GOOD ANY DAMAGES CAUSED TO EXISTING NATURAL FEATURES AND LANDSCAPE IMPROVEMENTS AT CLOSE OF PROJECT.
F. ANY DEVIATION FROM THE PATHWAY REALIGNMENT ON THIS DRAWING WILL NEED TO BE APPROVED BY THE PCA DEPARTMENTAL REPRESENTATIVE
G. ACCESSIBLE PATHWAY SHALL NOT EXCEED 5% SLOPE. NON-ACCESSIBLE PATHWAY REROUTE SHALL NOT EXCEED 10% SLOPE.

LEGEND

Legend table with 2 columns: Symbol, Description. Row 1: Hatched box, PROPOSED TRAIL. Row 2: Solid line, EXISTING TRAIL.



KEY PLAN



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Matthew Williams

DO NOT SCALE DRAWINGS

Table with 3 columns: revision, description, date. Rows for C, B, A, and a general revisions table.

PARKS CANADA AGENCY

BANFF NATIONAL PARK, P.O. BOX 900
BANFF, ALBERTA, T1L 1K2

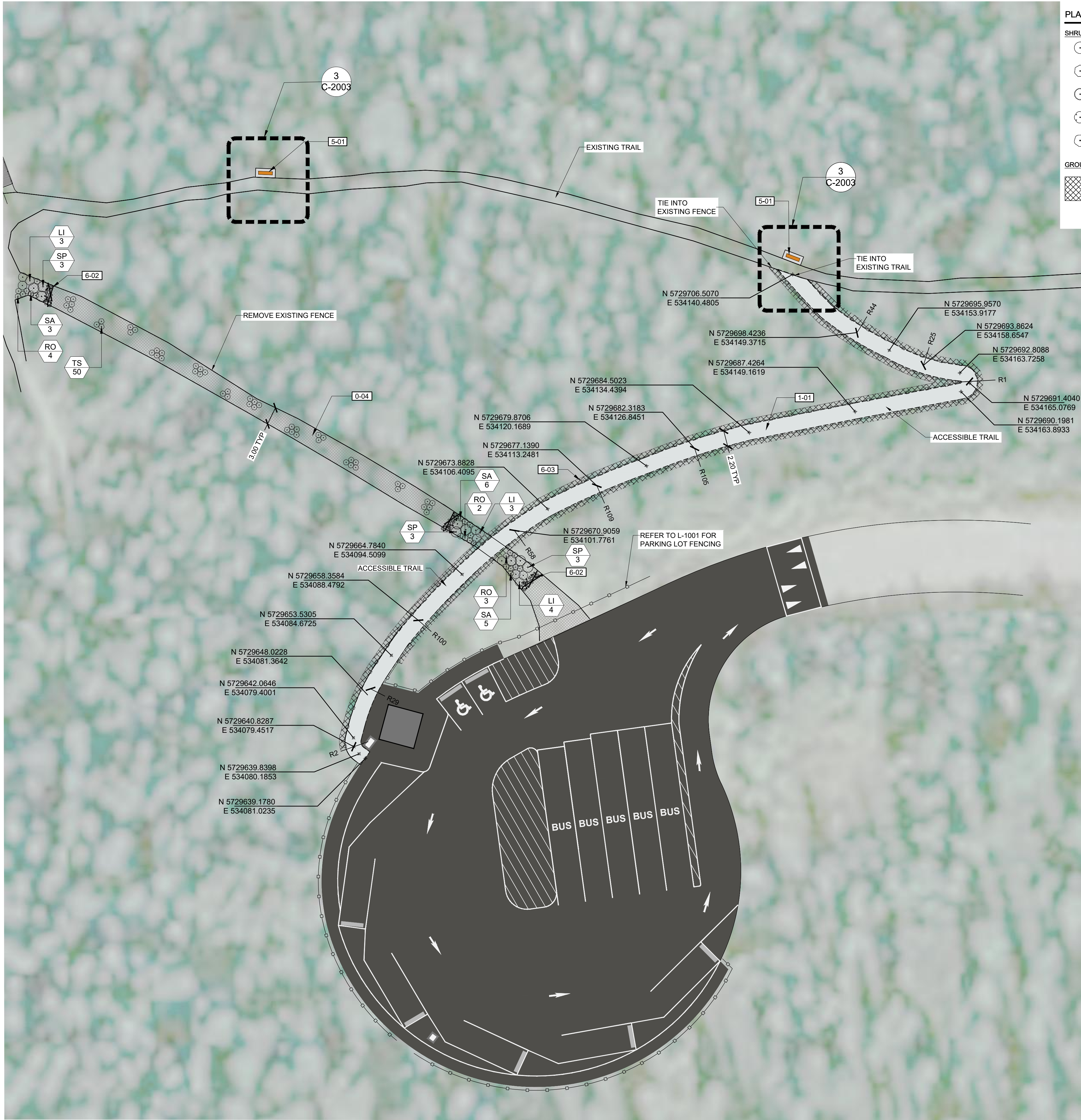
PEYTO LAKE DAY USE AREA REHABILITATION (FII 1494)

Table with 2 columns: approved by, designed by, drawn by, PWSO Departmental Representative, PWSO Architectural and Engineering Resources Manager, Client, drawing title.

PATHWAY IMPROVEMENT- AREA 1

Table with 3 columns: project no., sheet, revision no. Row 1: CT184101, C-2001, C.





PLANT SCHEDULE							
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONTAINER	I	SPREAD	SPACING	QTY
	LI	LONICERA INVOLUCRATA / BRACKETED HONEYSUCKLE	#2 CONT.			1.20m	10
	RO	RIBES OXYCANTHOIDES / NORTHERN GOOSEBERRY	#2 CONT.			0.80m	9
	SP	SALIX DISCOLOR / PUSSY WILLOW	#2 CONT.			1.50m	9
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY	#2 CONT.			0.80m	14
	TS	TRANPLANTED SHRUB - SPECIES TO BE DETERMINED ONSITE	20L	0.3M	0.3M	0.75m	50
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONTAINER			SPACING	QTY
	SE	RESTORATION SEED MIX- REFER TO SPECIFICATIONS	N/A				193.3 m²

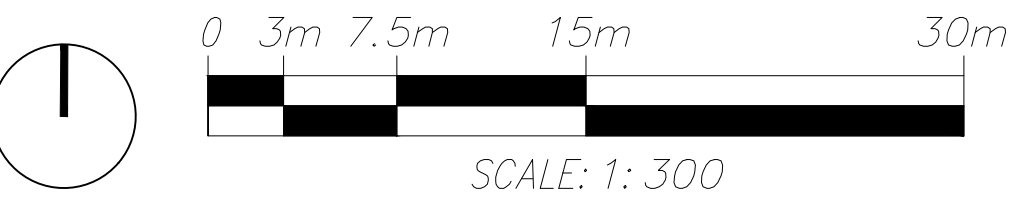
REFERENCE NOTES SCHEDULE			
SYMBOL	DESCRIPTION	QTY	DETAIL
	0 - DEMOLITION AND SITE PREPARATION REMOVE AND REVEGETATE EXISTING TRAIL PER ABANDONED TRAIL CLOSURE DETAIL	268.6 m²	2/C-2003
SYMBOL	DESCRIPTION	QTY	DETAIL
	1 - PAVEMENT, RAMPS, CURBS PROPOSED ASPHALT TRAIL	139.3 m	1/C-2003
SYMBOL	DESCRIPTION	QTY	DETAIL
	5 - SITE FURNITURE CUSTOM BENCH	2	1/L-1003
SYMBOL	DESCRIPTION	QTY	DETAIL
	6 - RAILINGS, BARRIERS, FENCING DEADFALL/DEBRIS PILE (APPROX. 5 SQ.M)	3	2/C-2003
	PROPOSED FENCE	375.3 m	4/C-2003

PATHWAY IMPROVEMENTS GENERAL NOTES:

- A. PROJECT IS LOCATED IN AN AREA OF SENSITIVE VEGETATION. CONFINE EQUIPMENT AND WORKERS TO LIMIT DISTURBANCE TO SMALLEST AREA POSSIBLE.
- B. CONTRACTOR SHALL NOT REMOVE ANY TREES OTHER THAN THOSE DESIGNATED FOR REMOVAL WITHOUT PRIOR AGREEMENT BY PCA DEPARTMENTAL REPRESENTATIVE.
- C. ALL ITEMS NOT DESIGNATED TO BE REMOVED SHALL BE PROTECTED IN PLACE, INCLUDING THOSE NOT PROTECTED BY TREE PROTECTION FENCING OR SPECIFICALLY NOTED AS PROTECT IN PLACE.
- D. TREE PROTECTION FENCING TO BE INSTALLED PRIOR TO COMMENCING ANY OTHER WORK AND TO REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
- E. CONTRACTOR SHALL MAKE GOOD ANY DAMAGES CAUSED TO EXISTING NATURAL FEATURES AND LANDSCAPE IMPROVEMENTS AT CLOSE OF PROJECT.
- G. ACCESSIBLE PATHWAY SHALL NOT EXCEED 5% SLOPE.

LEGEND

	PROPOSED TRAIL
	EXISTING TRAIL
	PROPOSED FENCE



KEY PLAN



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revisions	description	date

Client

**PARKS CANADA AGENCY**

**BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2**

project title

**PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)**

approved by  
**MW**

designed by  
**NS/CS/ZM**

drawn by  
**NS/CS/YZ**

PWGSC Departmental Representative

PWGSC Architectural and Engineering Resources Manager  
**K. SHAW**

Client  
**PARKS CANADA AGENCY**

drawing title  
**PATHWAY IMPROVEMENT- AREA 2**

project no.	sheet	revision no.
CT184101	C-2002	C



3.7 ABANDONED TRAILS



3.7 ABANDONED TRAIL  
RE-VEGETATION

Rehabilitating a trail may be necessary if trails have been neglected, or because of changes in management objectives or user requirements.

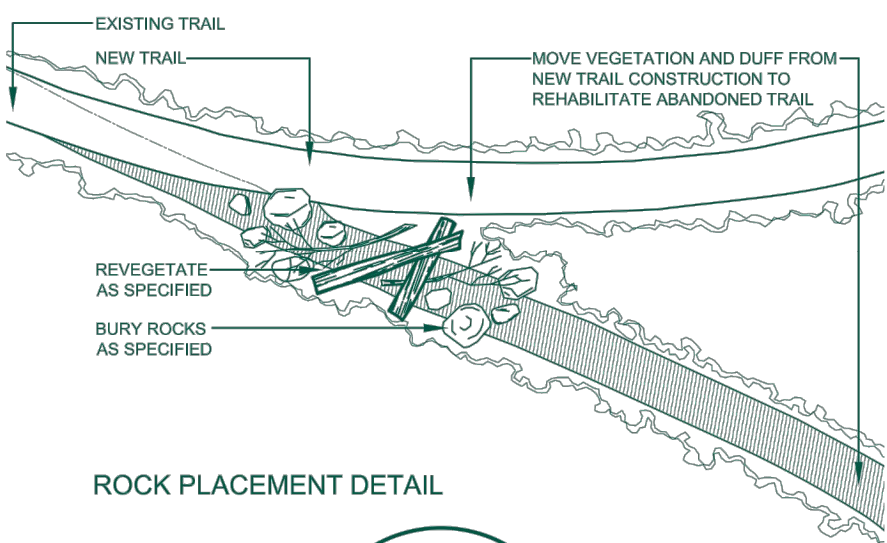
When a trail is designated to be re-vegetated, access to abandoned trail should be restricted using local materials. Bury rocks as instructed in the detail provided as to minimize unstable rocks which could become a safety hazard.

Trails should be scarified and seeded, with priority placed on the first 150 metres or within the line of sight. Re-vegetate abandoned trail with duff and excavated material from new trail construction. Regrade to meet existing grades.

Use approved seed-mixes to minimize the introduction of non-native or weedy plant species. Monitor progress of re-vegetation and treat weeds as required. standard trail maintenance practices should be implemented to ensure that interactions between wildlife and users are kept to a minimum.

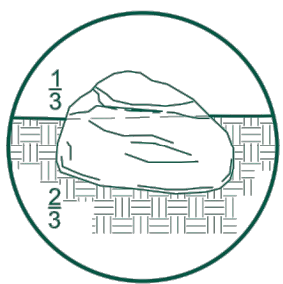
PLAN

NOTE: REMOVE DUFF FROM NEW TRAIL CONSTRUCTION AND PLACE ON SCARIFIED EXISTING TRAIL FOR A MINIMUM DISTANCE OF 150m OR LIMIT OF LINE OF SIGHT AT BEGINNING AND END OF ABANDONED TRAIL.

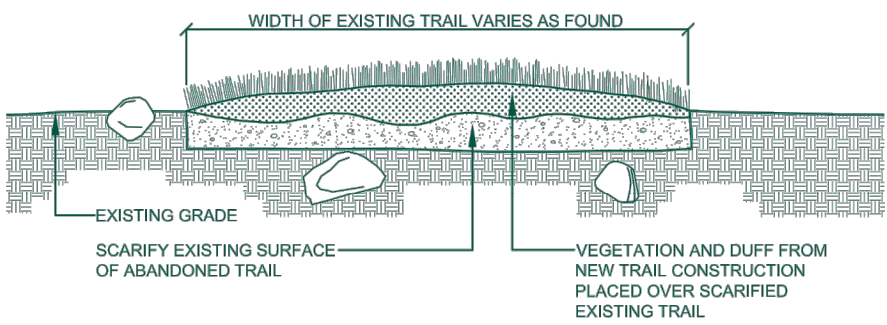


ROCK PLACEMENT DETAIL

NOTE: PLACE LOGS, BRUSH AND BOULDERS ACROSS OLD TRAIL INTERSECTION. BURY BOULDERS AS INDICATED HERE.



SECTION

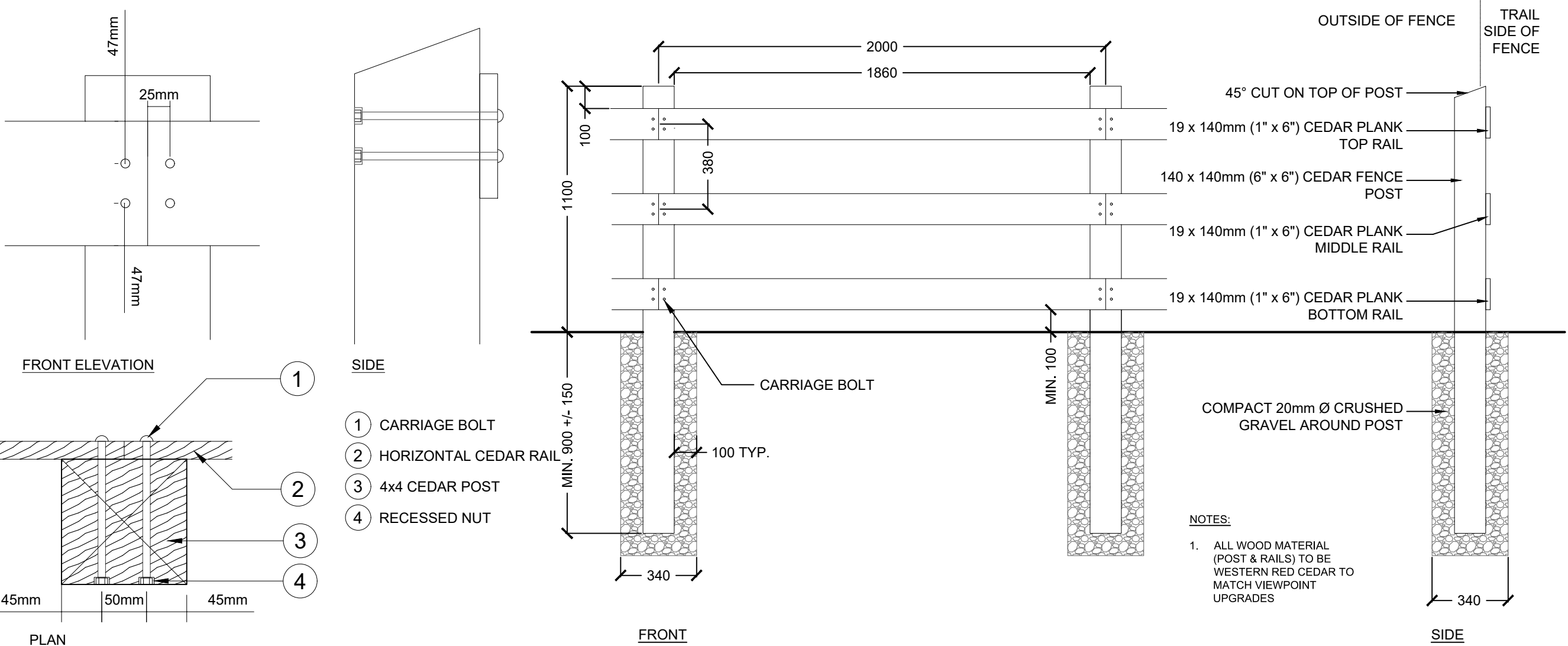


MOUNTAIN PARKS BACK COUNTRY DESIGN GUIDELINES

2 ABANDONED TRAIL CLOSURE

NTS

O2-01-56-PCA-01



6 FENCE ASSEMBLY

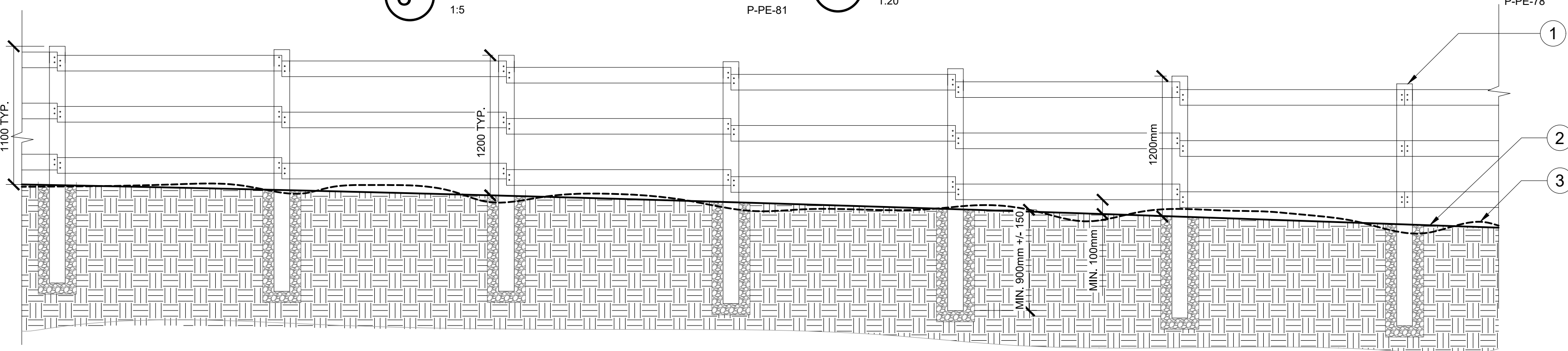
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P-PE-81

4 TRAIL FENCE

1:20

P-PE-78



5 FENCE LEVELING ELEVATION

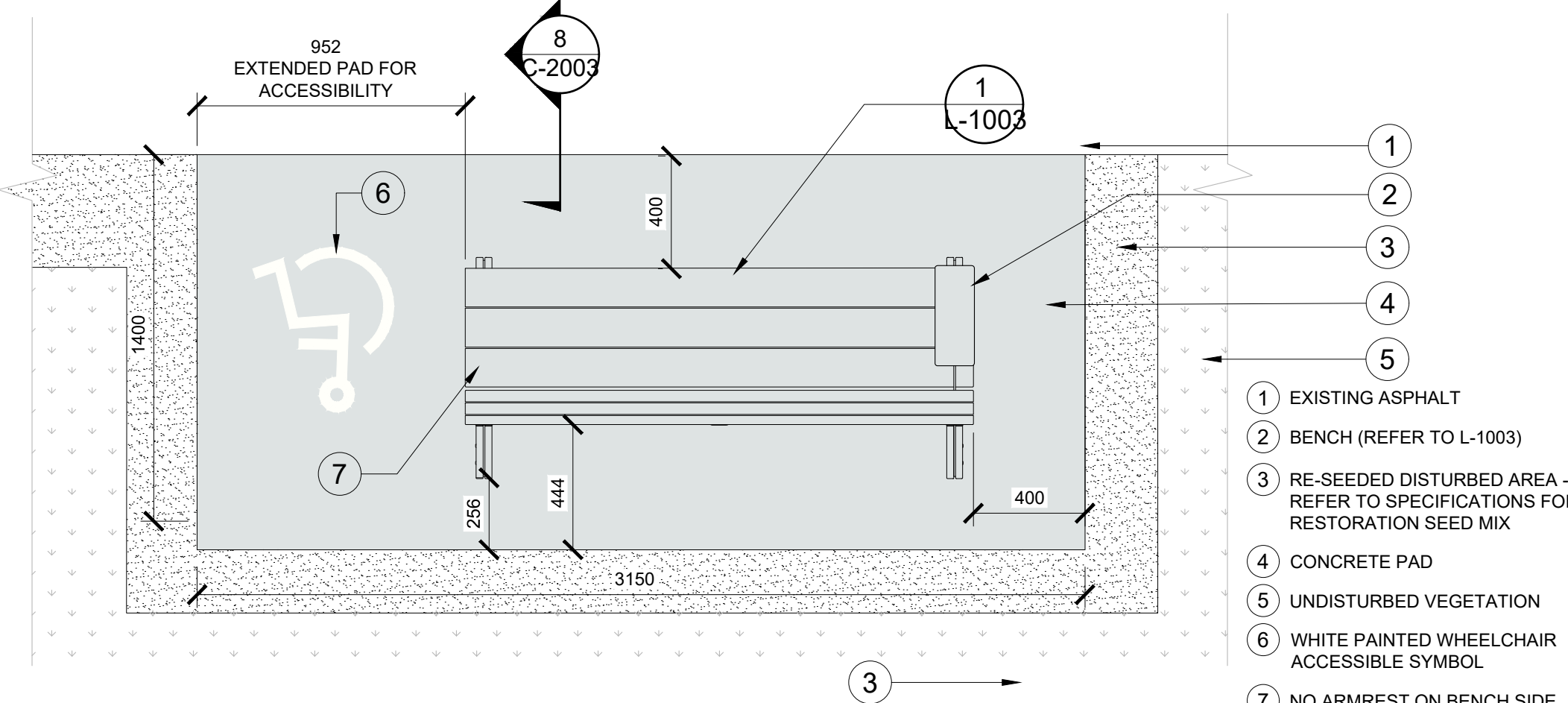
1:30

P-PE-79

1 ASPHALT TRAIL

1:10

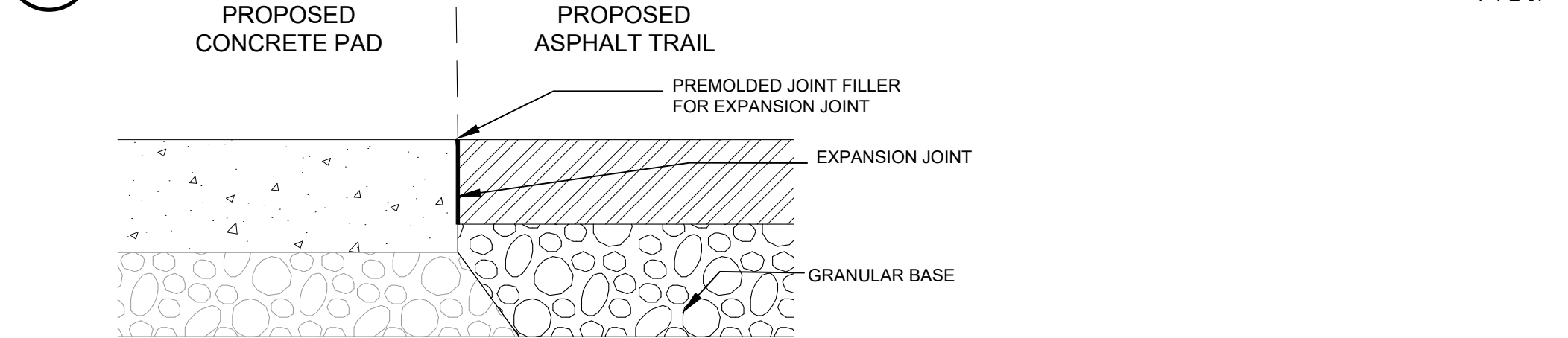
P-PE-63



3 REST AREA AND BENCH LAYOUT

1:20

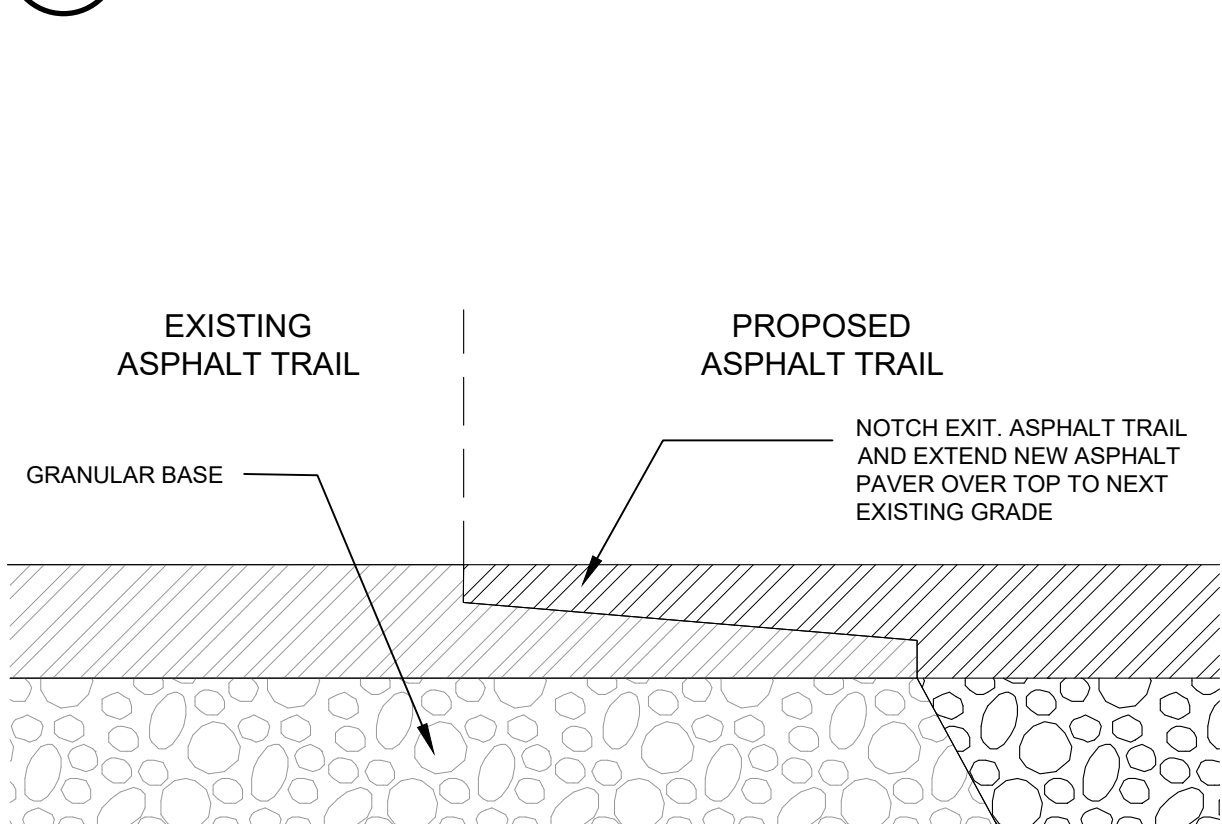
P-PE-67



8 PROPOSED ASPHALT TRAIL TO CONCRETE TIE IN DETAIL

1:5

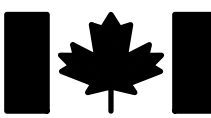
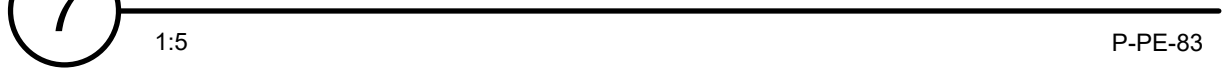
P-PE-84



7 PROPOSED ASPHALT TRAIL TIE IN DETAIL

1:5

P-PE-83



Parks Canada  
Parcs Canada



wood.

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revisions	description	date
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PARKS CANADA AGENCY

BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2

project title

PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)

approved by

MW

designed by

NS/CS/ZM

drawn by

NS/CS/YZ

PWGSC Departmental Representative

PWGSC Architectural and Engineering Resources Manager

K. SHAW

Client

PARKS CANADA AGENCY

drawing title

PATHWAY DETAILS

project no.

CT184101

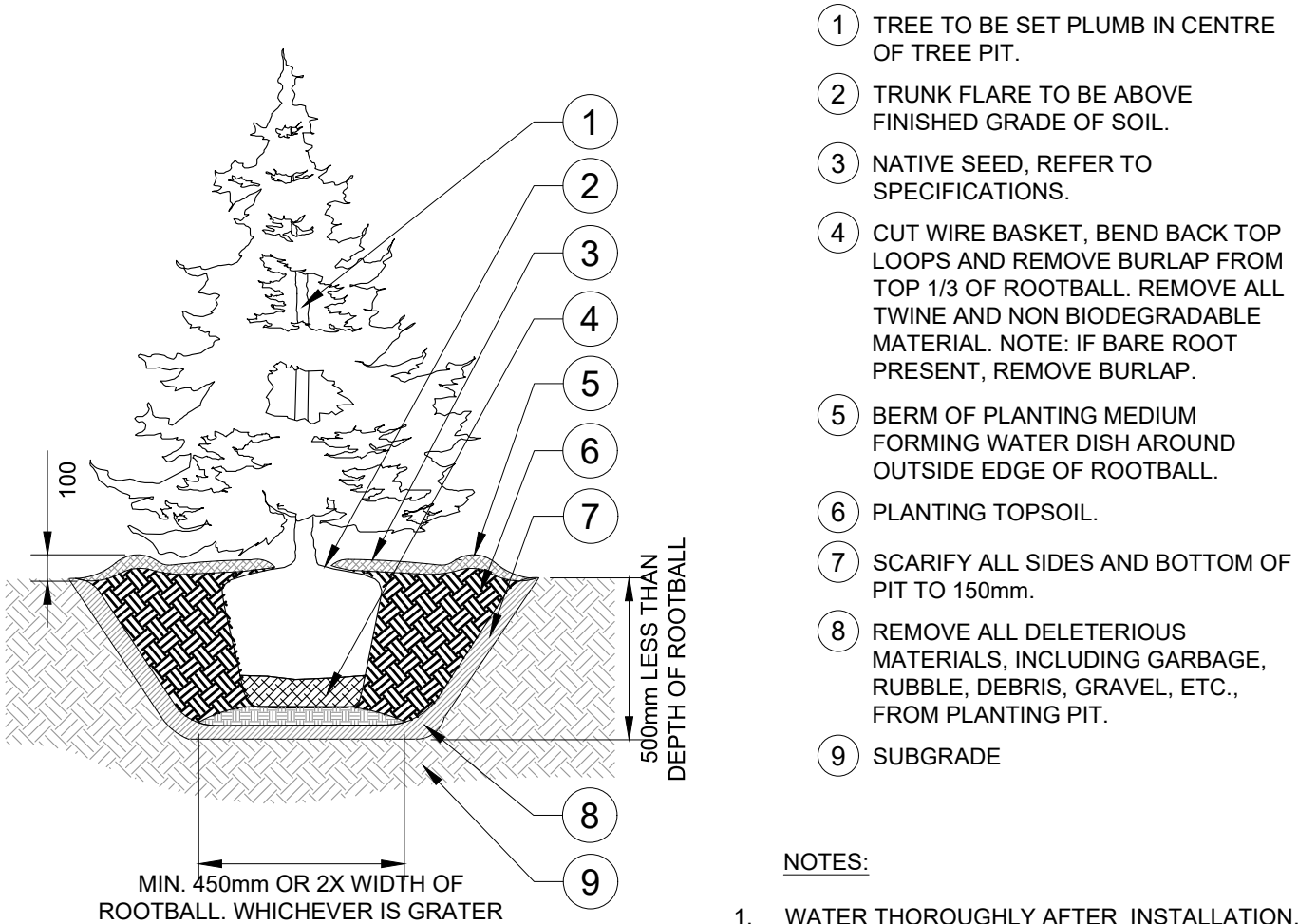
sheet

C-2003

revision no.

C





- 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

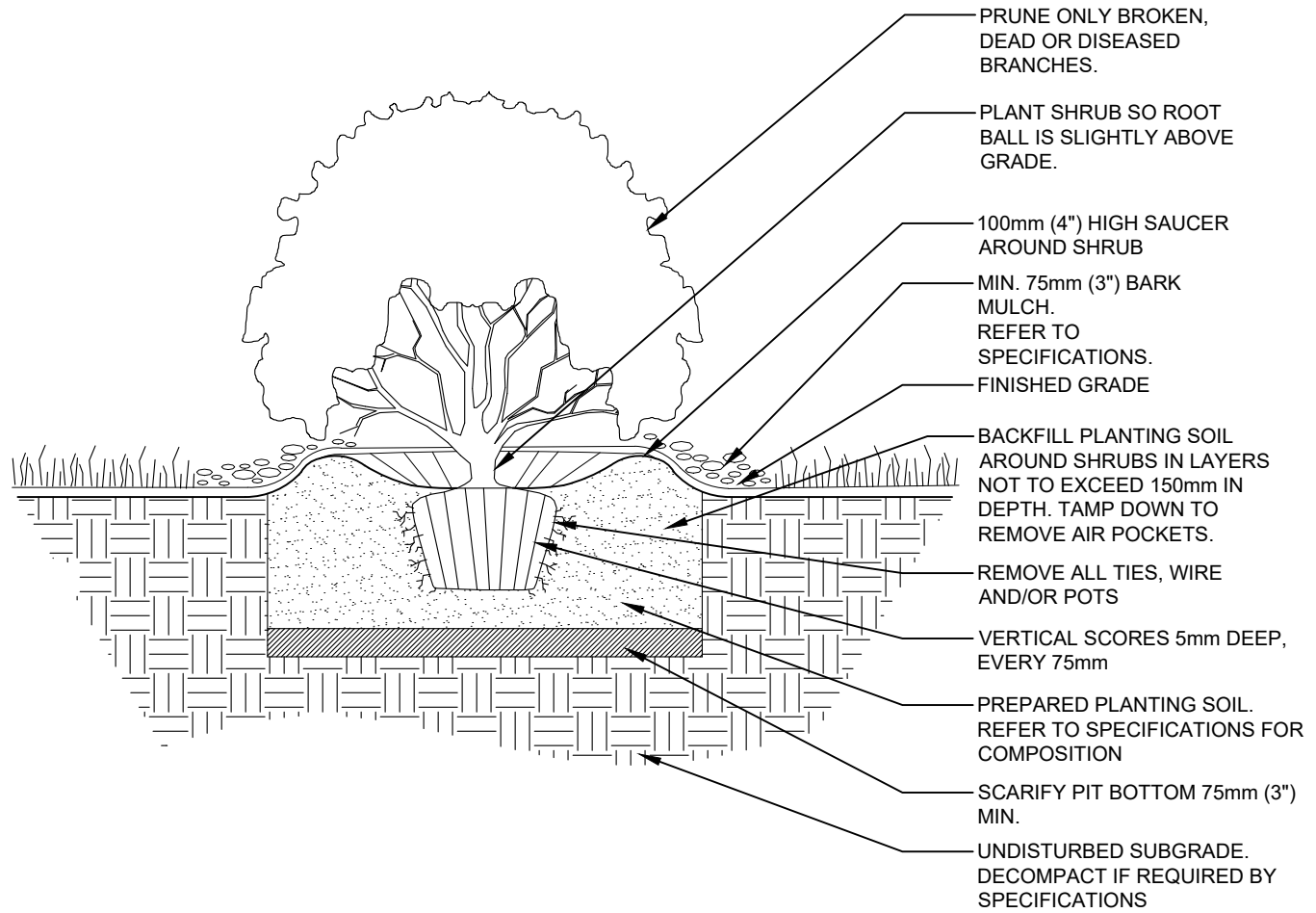
NOTES:

1. WATER THOROUGHLY AFTER INSTALLATION.
2. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
3. POSITION CROWN OF ROOT BALL 50mm ABOVE FINISHED GRADE TO ALLOW FOR SETTLEMENT.
4. DO NOT DAMAGE OR CUT LEADER.
5. IF STAKING IS DEEMED NECESSARY REFER TO TREE STAKING DETAIL.

1 CONIFEROUS TREE DETAIL - NURSERY STOCK

1:40

P-PE-77



2 SHRUB PLANTING DETAIL

1:30

P-PE-01

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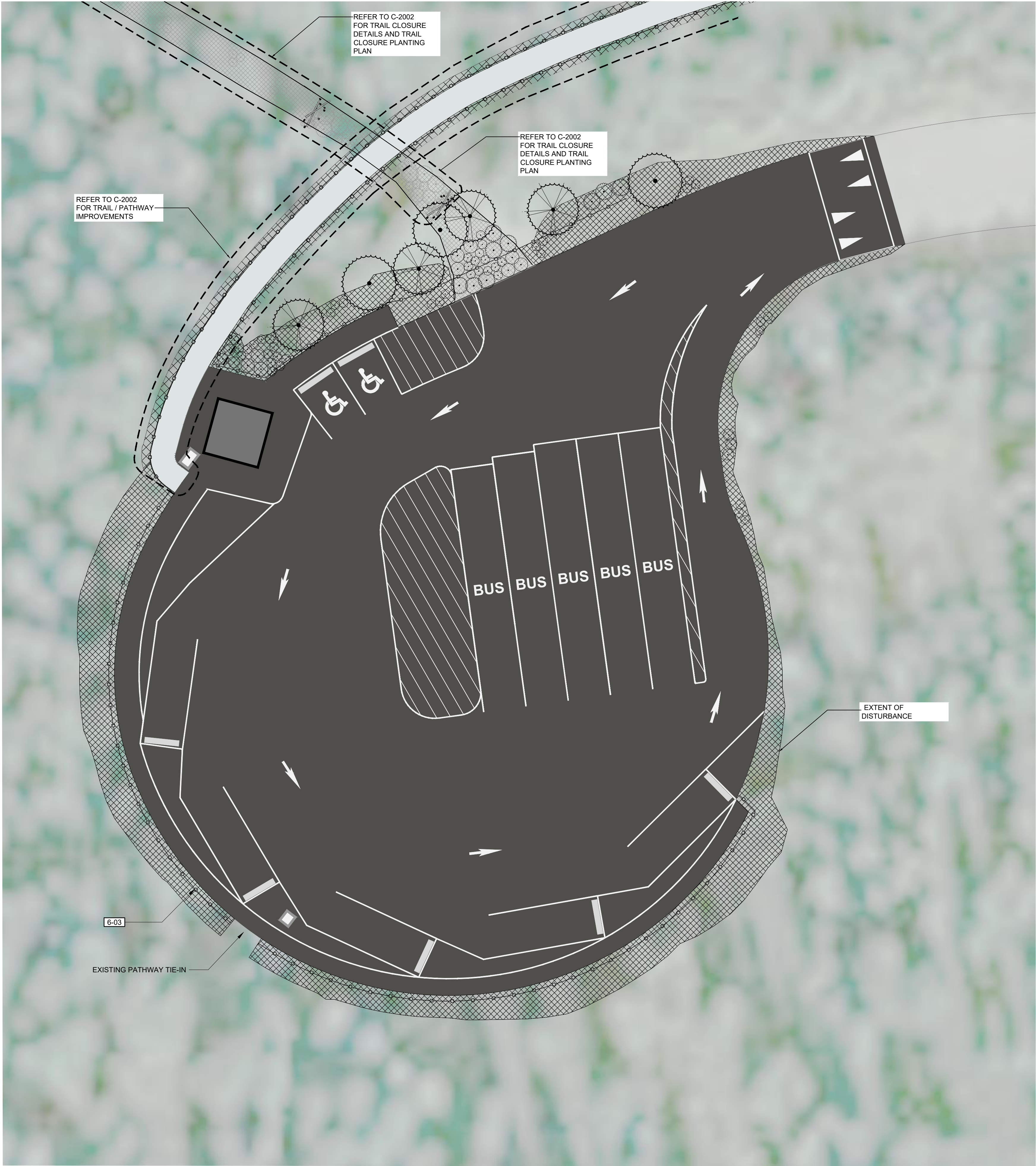
project title
<b>PEYTO LAKE DAY USE AREA REHABILITATION (FII 1494)</b>

approved by <b>MW</b>
designed by <b>NS/CS/ZM</b>
drawn by <b>NS/CS/YZ</b>
PWGSC Departmental Representative
PWGSC Architectural and Engineering Resources Manager <b>K. SHAW</b>

Client
<b>PARKS CANADA AGENCY</b>
drawing title
<b>LANDSCAPE DETAILS</b>

project no.	sheet	revision no.
<b>CT184101</b>	<b>L-1001</b>	<b>C</b>





REFERENCE NOTES SCHEDULE

SYMBOL	6 - RAILINGS, BARRIERS, FENCING DESCRIPTION	QTY	DETAIL
	6-03 PROPOSED FENCE	137.6 m	4/C-2003

PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	CONTAINER	SIZE	QTY	
	PG	PICEA GLAUCA / WHITE SPRUCE	N/A	1.5M	4	
	PS	PINUS CONTORTA / LODGEPOLE PINE	N/A	1.5M	3	
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONTAINER	SPREAD	SPACING	QTY
	BG	BETULA GLANDULOSA / DWARF BIRCH	#2 CONT.		1m	6
	LI	LONICERA INVOLUCRATA / BRACTED HONEYSUCKLE	#2 CONT.		1.20m	9
	RO	RIBES OXYCANTHOIDES / NORTHERN GOOSEBERRY	#2 CONT.		0.80m	22
	SP	SALIX DISCOLOR / PUSSY WILLOW	#2 CONT.		1.50m	9
	SA	SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY	#2 CONT.		0.80m	23
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONTAINER		SPACING	QTY
	SE	RESTORATION SEED MIX- REFER TO SPECIFICATIONS	N/A			522.3 m²

KEY PLAN



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BANFF, ALBERTA, T1L 1K2

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PEYTO LAKE  
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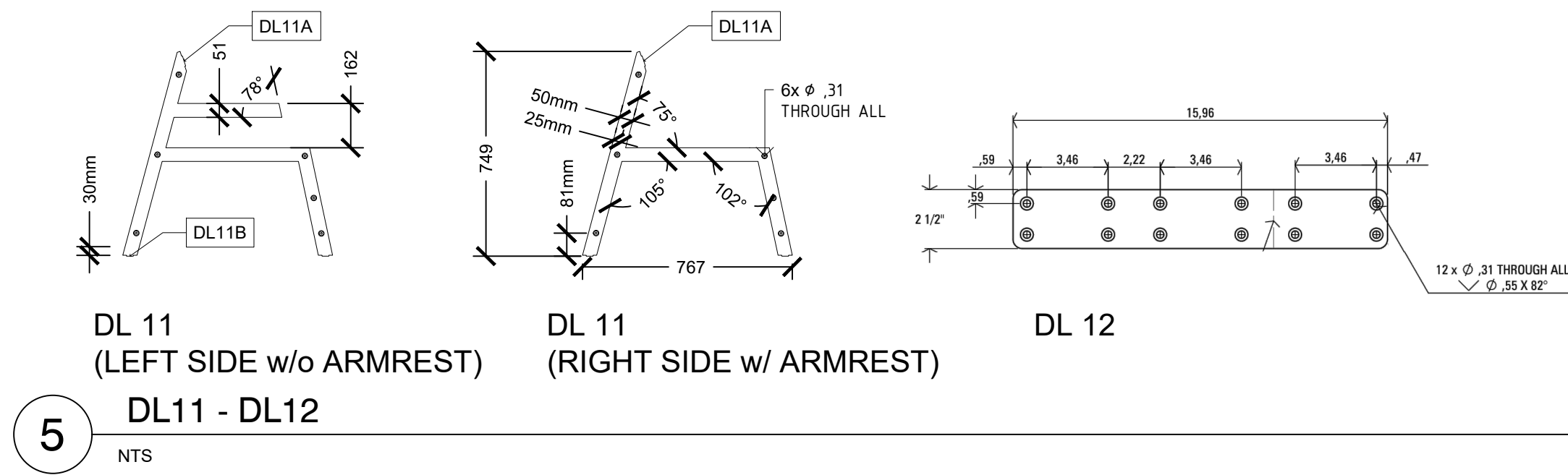
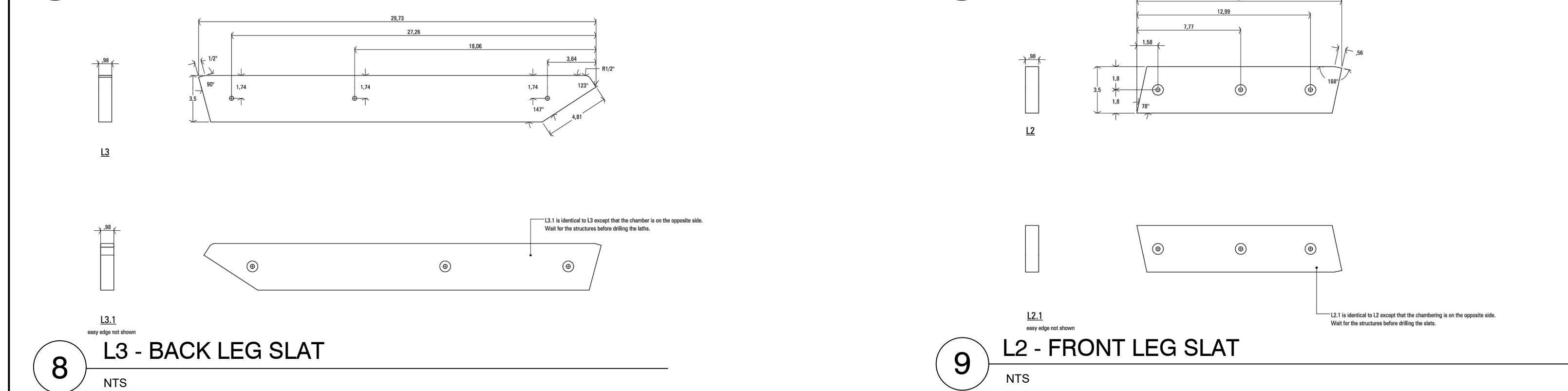
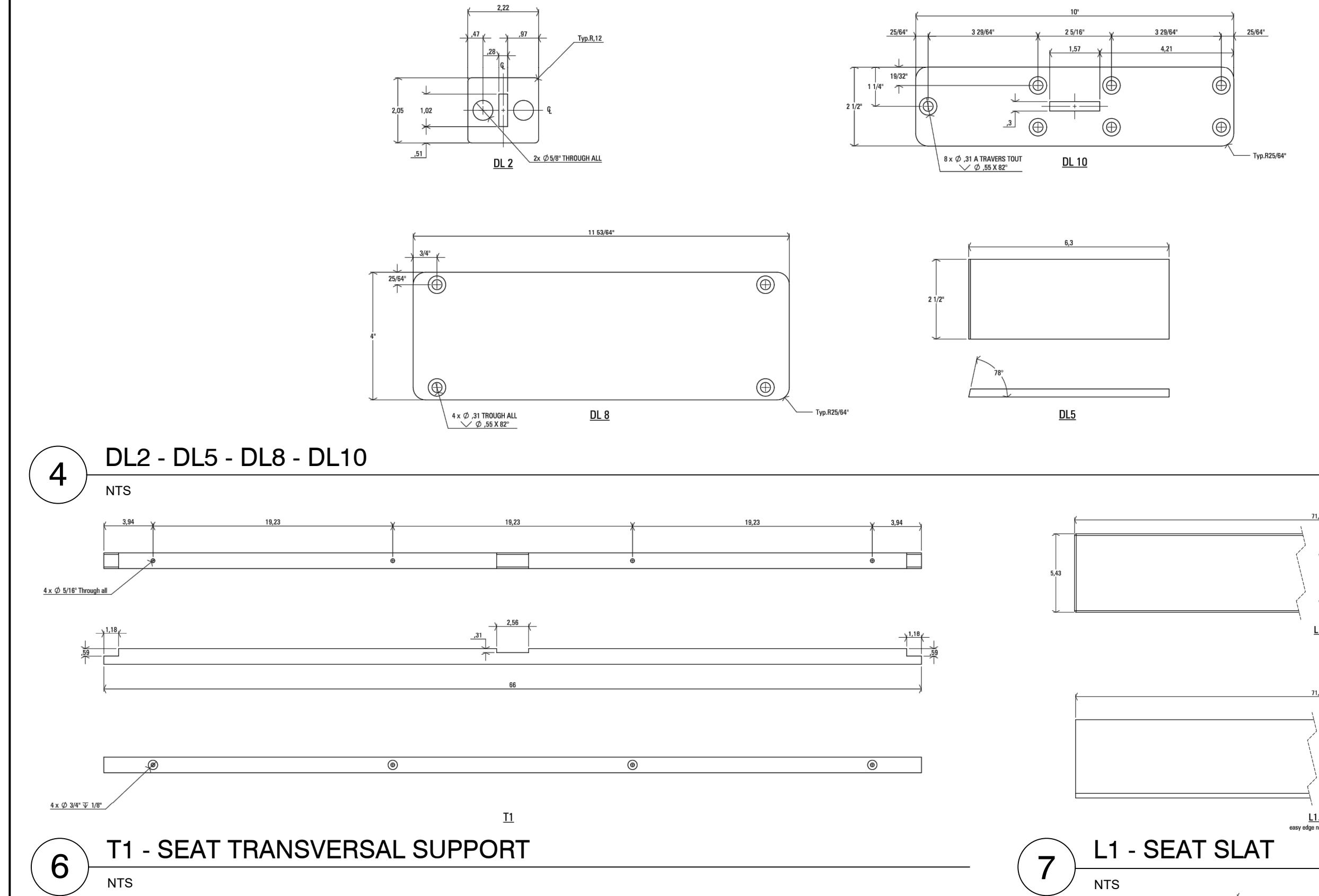
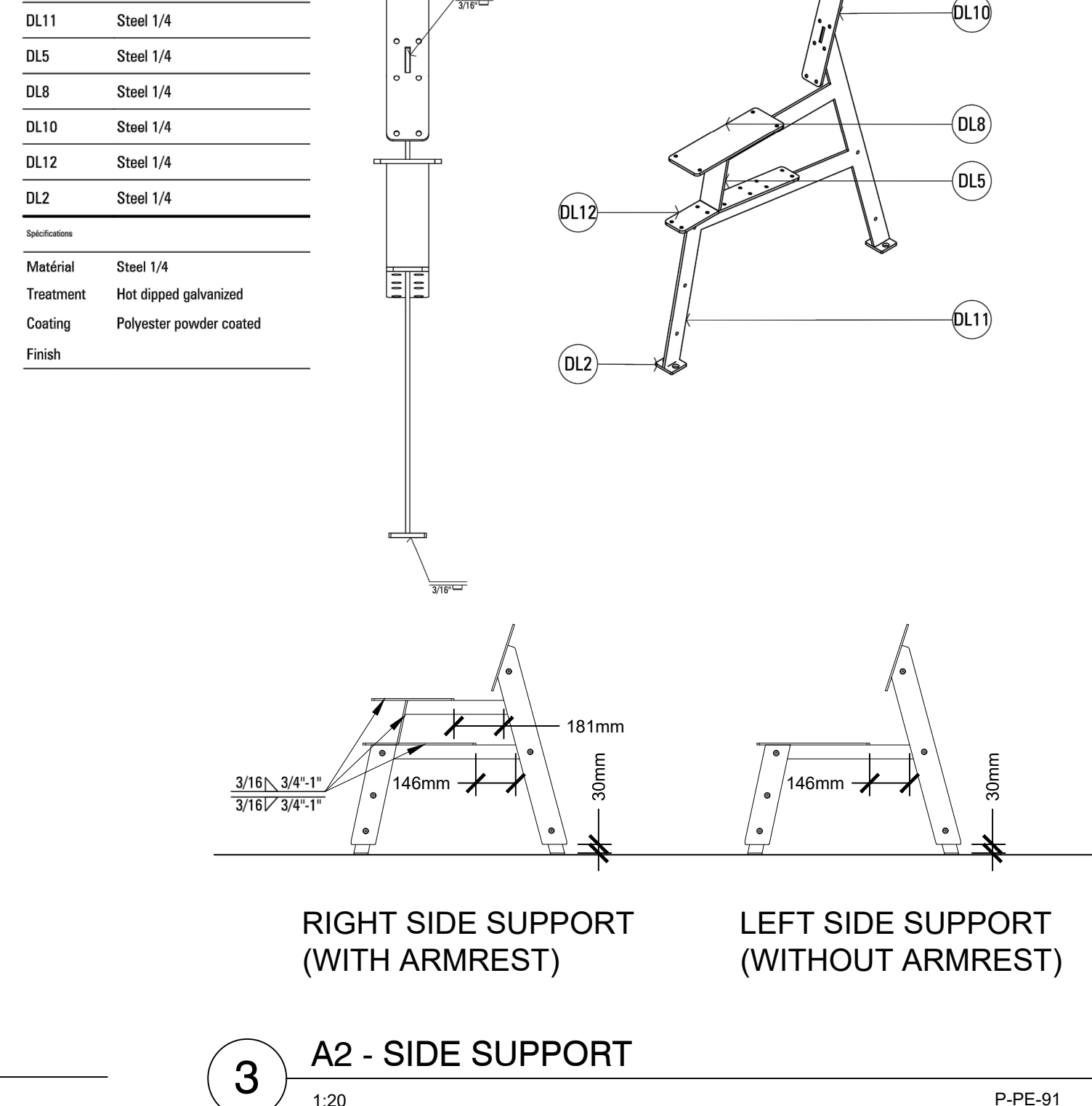
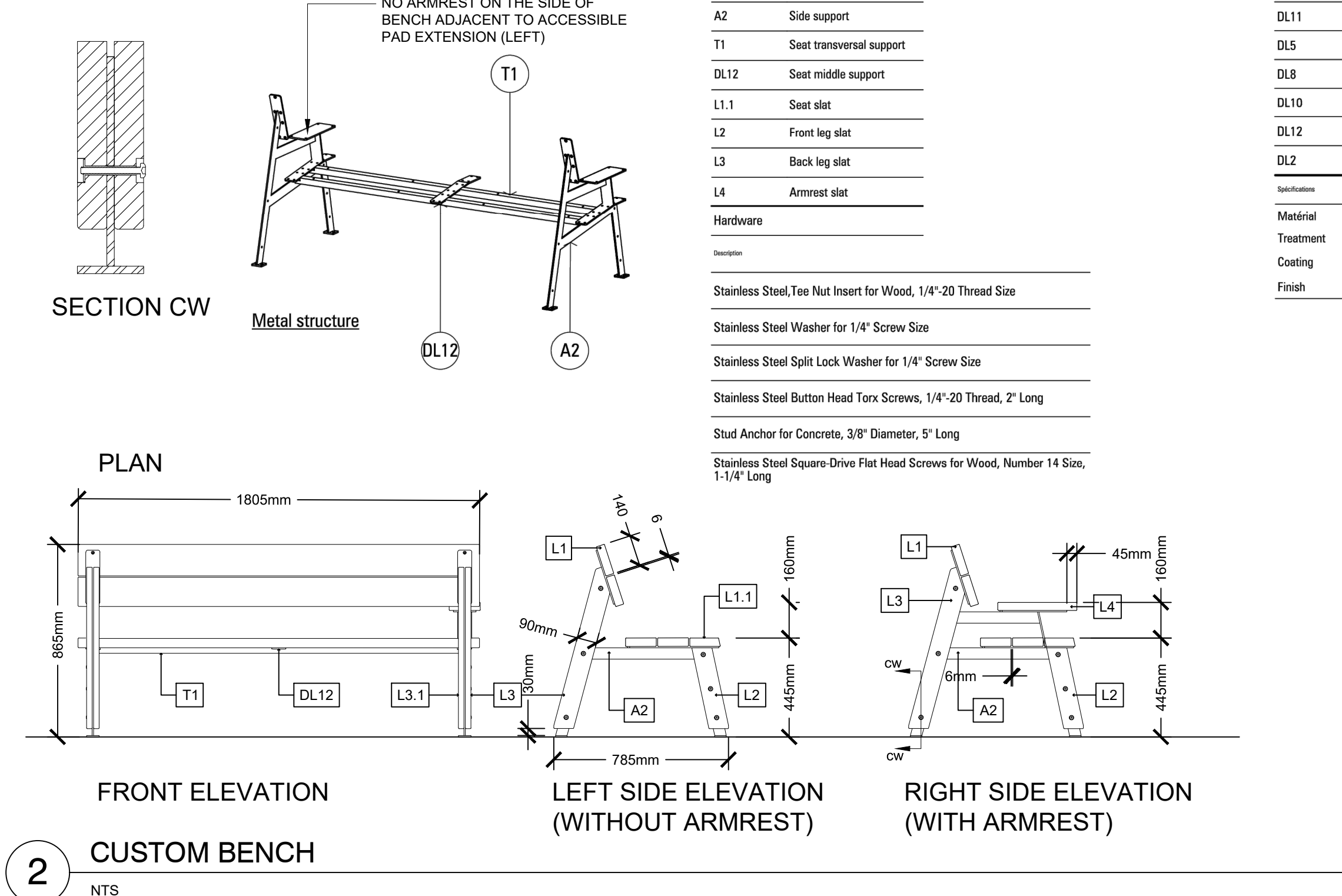
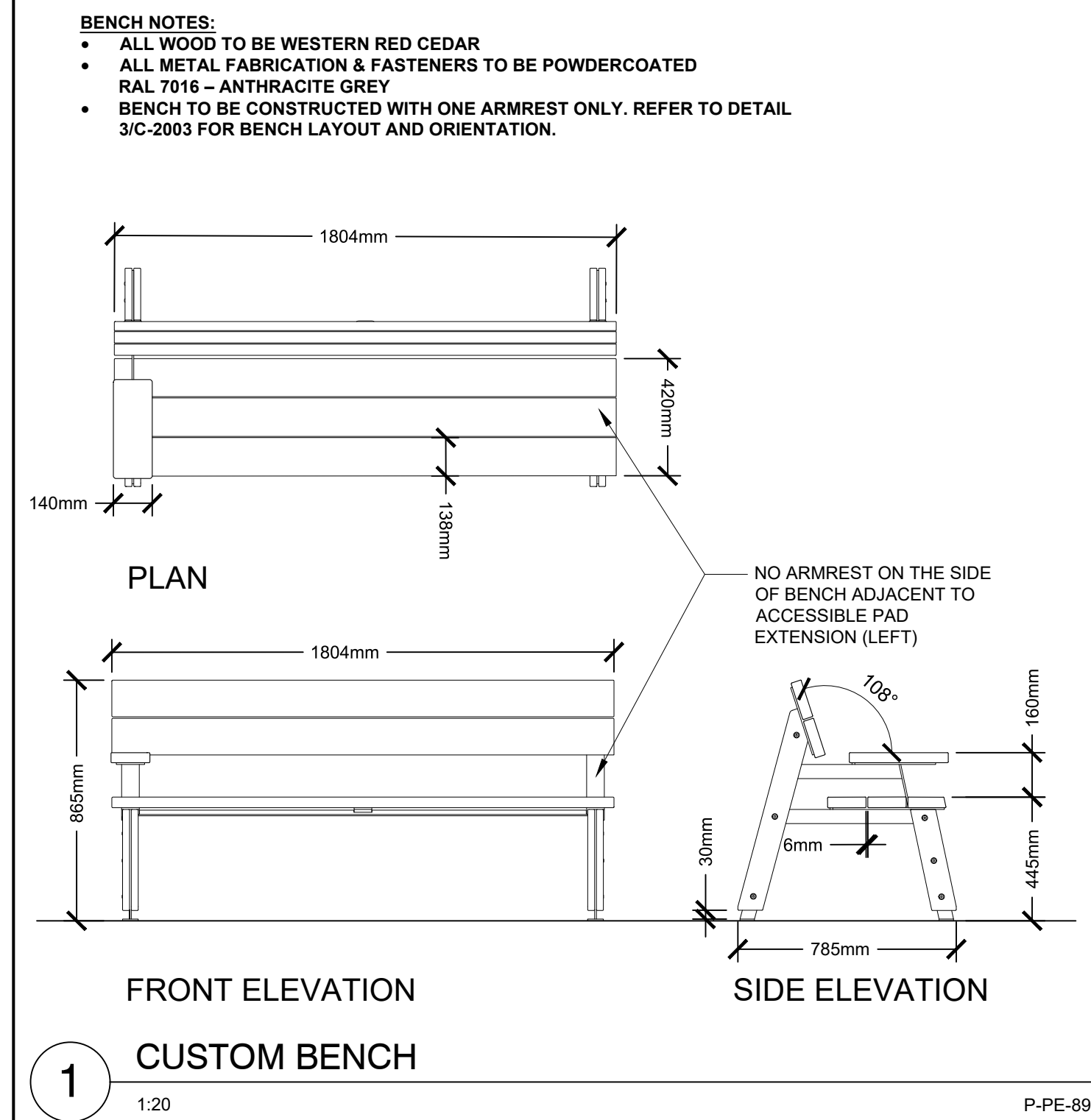
Client  
PARKS CANADA AGENCY

drawing title

LANDSCAPING SITE PLAN - UPPER  
PARKING LOT

project no.	sheet	revision no.
CT184101	L-1002	C





Parks CanadaParcs Canada

O2 PLANNING + DESIGN

wood.

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BANFF, ALBERTA, T1L 1K2

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PWGSC Departmental Representative

PWGSC Architectural and Engineering Resources Manager  
K. SHAW

Client

**PARKS CANADA AGENCY**

drawing title

**BENCH DETAILS**

project no.  
CT184101

sheet  
L-1003

revision no.  
C

PWGSC - A1 - R41V504

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GENERAL NOTES

1.

READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER PERTINENT CONTRACT DOCUMENTS.
2.

ALL DIMENSIONS ARE IN METRIC UNITS UNLESS NOTED. THE CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE CONSTRUCTION AND REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
3.

THE DESIGN AND CONSTRUCTION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2015 AND REFERENCED STANDARDS THEREIN. ALL REFERENCED STANDARDS SHALL BE THE LATEST EDITION.
4.

REFER TO THE OTHER PROJECT DRAWINGS FOR LOCATIONS AND DIMENSIONS OF COMPONENTS NOT SHOWN ON THE PRIVY AND VIEWPOINT DRAWINGS. REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
5.

CONTRACTOR TO CONFIRM WITH EQUIPMENT SUPPLIERS DIMENSIONS AND ALL OTHER CRITICAL DETAILS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES AND OBTAIN APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
6.

NOTIFY THE DEPARTMENTAL REPRESENTATIVE 48 HOURS IN ADVANCE OF CONCRETE POURS FOR SITE REVIEW.
7.

DRAWINGS SHOW COMPLETED STRUCTURES ONLY. PROVIDE TEMPORARY BRACING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS.
8.

CONSTRUCTION METHODS REQUIRING TEMPORARY SHORING, OR BRACING, SHALL BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER, REGISTERED IN THE PROVINCE OF ALBERTA TO PERFORM AND TAKE RESPONSIBILITY FOR ANY SHORING OR OTHER DESIGNS REQUIRED TO COMPLETE THE CONSTRUCTION.
9.

CONTRACTOR TO VERIFY LOCATION OF UNDERGROUND SERVICES AND BE RESPONSIBLE FOR DISRUPTIONS.

DESIGN LOADS

1.

DEAD LOADS:

ACTUAL
2.

LIVE LOADS:

PRECAST PRIVY SLAB4.8 kPa
3.

SNOW LOADS:

Ss = 5.5 kPa  
Sr = 0.1 kPa  
Is = 1 (ULS)  
Is = 0.9 (SLS)  
MODIFY FOR EXPOSURE AND DRIFT AS PER NBCC 2015
4.

WIND LOADS:

q(1/50) = 0.33 kPa  
q(1/10) = 0.25 kPa  
Iw = 1 (ULS)  
Iw = 0.75 (SLS)  
MODIFY FOR EXPOSURE AS PER NBCC 2015
5.

SEISMIC LOADS:

SITE CLASS D (ASSUMED)  
Sa(0.2) = 0.25  
Sa(0.5) = 0.14  
Sa(1.0) = 0.07  
Sa(2.0) = 0.04  
PGA = 0.13  
Ie = 1 (ULS)
6.

CONCRETE SELF-WEIGHT BASED ON

Y = 24 kN/m3

EXCAVATION & BACKFILL

1.

EXCAVATE TO LINES AND LEVELS NECESSARY TO COMPLETE THE WORK. MINIMUM SIDE SLOPES OF TEMPORARY EXCAVATIONS SHALL NOT EXCEED 1:0H:1.0V OR AS RECOMMENDED IN THE GEOTECHNICAL REPORT. CONTROL EXCAVATION TO ENSURE BOTTOM OF EXCAVATION DOES NOT SOFTEN DUE TO EXCESS MOISTURE.
2.

DO NOT PLACE BACKFILL ON FROZEN GROUND, NOR USE FROZEN MATERIAL.
3.

MAINTAIN OPTIMUM MOISTURE CONTENT TO PERMIT COMPACTION TO ATTAIN SPECIFIED DENSITIES. PROTECT BACKFILLED GRADE, DURING AND AFTER COMPLETION OF BACKFILL OPERATION, FROM SOFTENING DUE TO EXCESS MOISTURE.
4.

ALL BACKFILL SHALL BE COMPACTED USING MECHANICAL EQUIPMENT. DO NOT COMPACT BACKFILL WITHIN 0.3m OF PRECAST TANK. FROM 0.3m TO 1.5m AWAY FROM PRECAST TANK, COMPACT WITH A WALK-BEHIND VIBRATORY ROLLER WITH A MAXIMUM WEIGHT OF 1000kg.

CAST-IN-PLACE CONCRETE

1.

PROVIDE CONCRETE AND PERFORM WORK IN ACCORDANCE WITH CSA-A23. THE CONTRACTOR SHALL HAVE A COPY OF THIS STANDARD ON SITE AT ALL TIMES.
2.

ALL CONCRETE SHALL BE NORMAL-DENSITY WITH NORMAL-DENSITY FINE AND COARSE AGGREGATE AND BE PROPORTIONED TO MEET THE FOLLOWING REQUIREMENTS:

PRECAST CONCRETE VAULT (TANK) & FLOOR

1.

DESIGN AND BUILD PRECAST: REINFORCED 40 MPA CONCRETE VAULT AND SLABS TO EXTERIOR DIMENSIONS AND OPENINGS AS INDICATED. VAULT IS TO CONTAIN HUMAN WASTES AND WILL BE SET ON A VARIETY OF SOIL TYPES AND CONDITIONS. PRODUCT SHALL BE MANUFACTURED & FINISHED TO MEET CAN/CSA A23.4/A251.
2.

DESIGN AND BUILD FLOOR SLAB: DESIGN FOR 4.8 KPA LIVE LOAD. DESIGN REINFORCED SLAB AS PER CSA A23.3/ A23.4/ A251. PROVIDE CAST-IN OPENINGS, SCREENS & ANCHORS AS REQUIRED.
3.

DESIGN AND BUILD THE EXTERIOR SLAB DEPENDENT OF VAULT AND VAULT SLAB.
4.

FLOOR AND EXTERIOR SLAB TO BE DARK GREY COLOURED CONCRETE AND HAVE LIGHT BROOM FINISH.
5.

CONTRACTOR MAY PROVIDE A DIFFERENT DIMENSION OF THE VAULT AND SLAB FLOOR. VAULT SIZE SHALL BE MIN. 5800 LITRE (1500 US GALLON) CAPACITY. THE CONTRACTOR MAY CHANGE SIZES TO SUIT THE VAULT AND SLAB DIMENSIONS. THE SIZE OF THE BUILDING DOES NOT CHANGE.
6.

SUBMIT SHOP DRAWINGS OF THE PRECAST VAULT AND SLAB FOR REVIEW AFTER CONTRACT AWARDED. SHOP DRAWINGS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ALBERTA.
7.

THE BOTTOM OF THE VAULT SHALL BE SLOPED AT LEAST 5%, IN ONE POUR WITH THE VAULT'S WALL. CONCRETE POUR INTO THE FLAT BOTTOM VAULT TO ACHIEVE / BUILD UP THE DESIRED SLOPE IS NOT ACCEPTABLE.
8.

CAST IN PLACE ALL REQUIRED ANCHORS AND CONNECTIONS. ELEVATION AT TOP OF FLOOR SLAB TO BE AT LEAST 200MM ABOVE SURROUNDING GROUND SURFACE AND TO ENSURE POSITIVE DRAINAGE AWAY FROM THE NEW PUMPOUT UNIT.

PRECAST WALL PANELS

1.

INTERIOR DIMENSIONS AS SHOWN ON DRAWINGS ARE MINIMUM.
2.

PROVIDE PRECAST, REINFORCED 40MPa CONCRETE WALL PANELS.
3.

DIMENSIONS AND OPENINGS AS INDICATED.
4.

PRODUCT SHALL BE MANUFACTURED & FINISHED TO MEET CAN/CSA A23.4/A251.
5.

PRECAST WALL PANELS TO BE DESIGNED AS LOAD-BEARING WALLS FOR ALL APPLICABLE GRAVITY AND LATERAL LOADS.
6.

SUBMIT SHOP DRAWINGS OF THE PRECAST WALL PANELS FOR REVIEW AFTER CONTRACT AWARD. SHOP DRAWINGS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ALBERTA.

CONCRETE ACCESSORIES

1.

EXPANSION ANCHORS: OF DIAMETER SHOWN AND STANDARD EMBEDMENT U.N.O. SHEAR AND TENSION CAPACITIES ARE BASED ON HILTI KWIK BOLT 3 (KB3) EXPANSION ANCHORS. SUBMIT ANCHOR LOAD RESISTANCE DATA FOR ALTERNATE PRODUCTS FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE A MINIMUM OF 2 WEEKS PRIOR TO INTENDED USE.
2.

EPOXY ANCHORS: OF DIAMETER SHOWN AND STANDARD EMBEDMENT U.N.O. SHEAR AND TENSION CAPACITIES ARE BASED ON HILTI HY200 + HIT-Z SUPER HARDWARE. SUBMIT ANCHOR LOAD RESISTANCE DATA FOR ALTERNATE PRODUCTS FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE A MINIMUM OF 2 WEEKS PRIOR TO INTENDED USE.
3.

SLAB-ON-GRADE SEALANT: ONE-COMPONENT, SELF-LEVELING, POLYURETHANE SEALANT. USE SEALANT TO FILL SLAB-ON-GRADE SAWCUTS.

CONCRETE REINFORCEMENT

1.

REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO CSA-G30.18 GRADE 400.
2.

WELDABLE REINFORCING BARS SHALL CONFORM TO CSA-G30.18 GRADE 400W. WELDING OF REINFORCING STEEL SHALL CONFORM TO CSA-W186.
3.

REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL OR THE REINFORCING STEEL INSTITUTE OF CANADA DETAILING MANUAL.
4.

90° HOOKS AND 180° HOOKS WHERE SHOWN SHALL BE DETAILED AS STANDARD HOOKS UNLESS NOTED OTHERWISE.
5.

CONCRETE COVER TO REINFORCING STEEL SHALL CONFORM TO THE MOST STRINGENT REQUIREMENT LISTED BELOW UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH	75mm
EXTERIOR APRONS AND CONCRETE PADS	
TOP BARS	60mm
BOTTOM BARS	75mm

6.

REINFORCING STEEL BAR LAPS SHALL BE CLASS B TENSION SPLICES PER CSA-A23.1 UNLESS NOTED OTHERWISE.

TIMBER

1.

WOOD CONSTRUCTION SHALL CONFORM TO CSA-086 AND THE NATIONAL BUILDING CODE OF CANADA 2015.
2.

WOOD FRAMING MATERIAL (UNLESS NOTED OTHERWISE): DOUGLAS FIR-LARCH No.1/No.2 OR SPF No.1/No.2.
3.

SHEATHING MATERIAL: TONGUE AND GROOVE DOUGLAS FIR PLYWOOD TO CSA-O121 OR CANADIAN SOFTWOOD PLYWOOD TO CSA-O151.
4.

ROUGH CARPENTRY: MATERIALS TO PROFILES, DIMENSIONS, AND LOADS ARE SHOWN ON THE DRAWINGS. SUPPLIER SHALL DESIGN CONNECTIONS FOR LOADS SHOWN ON THE DRAWINGS. SUBMIT SHOP DRAWINGS OF MEMBERS AND CONNECTIONS FOR REVIEW, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ALBERTA. SHOP DRAWINGS SHALL INDICATE DESIGN LOADS, LUMBER SPECIES AND GRADES, LAYOUT, JOINT DETAILS AND CONNECTOR CAPACITIES.
5.

FRAMING ANCHORS AND TIES: AS MANUFACTURED BY SIMPSON STRONGTIE (WWW.STRONGTIE.COM). ALTERNATE ANCHORS AND TIES SHALL NOT BE USED UNLESS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
6.

ALL WOOD AND BLOCKING IN CONTACT WITH EARTH, CONCRETE, OR WEATHER SHALL BE PRESSURE TREATED TO PWF STANDARDS.

OTHERS

1.

VENT PIPE:  
HIGH DENSITY POLYETHYLENE CORRUGATED EXTERIOR RIB WITH SMOOTH INTERIOR WALLS. UV RESISTANCE WITH A MIN 2% CARBON BLACK ADDITIVE. SIMILAR TO BOSS 2000 OR APPROVED EQUIVALENT. DESIGN LOCATION OF HOLE IN FLOOR SLAB TO FIT LOCATION OF THE VENT PIPE. STRAPPING SUPPORT TO FASTEN TUBE TO BUILDING SHALL BE GALVANIZED OR STAINLESS STEEL. METAL PLATE COLLAR TO SUPPORT THE TUBE TO FLOOR TO BE BLACK AND BOLTED TO THE FLOOR. PRIME AND PAINT BLACK.
2.

TOILET RISER PER STALL:  
COMPLETE WITH FLIP-UP SEAT AND COVER. SIMILAR TO ZEE BEST (EDMONTON) OR APPROVED EQUIVALENT. PROVIDE STAINLESS STEEL SAFETY BAR ON THROAT OF TOILET RISER. DESIGN AND PLACE HOLE / TOILET RISER SO THAT THE FLIP UP SEAT WILL TOUCH THE GRAB BAR WITHOUT FORCING IT.
3.

BUTYL JOINT SEALANT:  
SEALANT SHALL BE MADE OF BUTYL RUBBER MATERIAL IN FLEXIBLE ROPE TO MEET OR EXCEED ALL REQUIREMENTS OF AASIO M198 AND ASTM C990 SECTION 6.2. OTHER ELEMENTS REQUIRED TO ENCLOSE AND WATERPROOF THE COMPLETE WALL/ROOF STRUCTURE, INCLUDING FLASHING AND CAULKING. CAULKING BOTH SIDES OF THE WALL PANELS.
4.

HYDROSTATIC LEAKAGE TEST:  
REFER TO SPECIFICATION SECTION 03 01 30.52

WASHROOM PARTITIONS AND DIVIDING PANELS

1.

SOLID PLASTIC TYPE. STAINLESS STEEL FITTINGS: COMPLETE WITH HEAVY DUTY NON LUBRICATING HINGES, DOOR SWING AS INDICATED. ROBE HOOK, FLOOR ANCHORED AND OVERHEAD -RAILS BRACED AND HEAVY DUTY SLIDE LATCH. DESIGN TO MEET CAN/CSA-B651-04. PRODUCT TO BE EQUAL TO BOBRICK DURALINE 1080 SERIES.
2.

DURABLE, ULTRA-HARD SURFACES: STOUT, SOLID CORE CONSTRUCTION. HEAVY-DUTY HARDWARE, MOISTURE-RESISTANT. RESISTS SCRATCHING, GOUGING, DENTS, AND IMPACTS IN CLASS A/CORPORATE, TO HEAVY-TRAFFIC SCHOOLS, STADIUMS AND TEAM PARKS. EASY REMOVAL OF PAINT AND MARKER INK. GRAFFITI CLEANS WITHOUT GHOSTING. EXCELLENT STRUCTURAL STRENGTH.
3.

SOLID PHENOLIC MATERIAL: SHALL MEET NATIONAL FIRE PROTECTION ASSOCIATION AND INTERNATIONAL BUILDING CODE INTERIOR WALL AND CEILING FINISH CLASS B, UNIFORM BUILDING CODE CLASS II, ASTM E-84 FIRE RESISTANCE STANDARDS: FLAME SPREAD 69, SMOKE DENSITY 93.
4.

MATERIAL DOORS AND STILES: 3/4" (19mm) THICK. PANELS: 1/2" (13mm) THICK SOLID PHENOLIC CORE WITH MULTIPLE RESIN- IMPREGNATED KRAFT, COLOR AND CLEAR MELAMINE. SURFACE SHEETS FUSED AT HIGH TEMPERATURE AND PRESSURE. BLACK EDGE PANELS.
5.

STANDARD CONCEALED HARDWARE: HEAVY-DUTY TYPE 304 SATIN-FINISH STAINLESS STEEL. FOR EMERGENCY ACCESS, DOOR LIFTS FROM OUTSIDE. HINGE CAN BE ADJUSTED FOR PARTIAL OPENING OR SELF-CLOSING DOOR ONE PIECE SHOE CONCEALS STILE LEVELING DEVICE.
6.

THREADED INSERTS: FACTORY- INSTALLED INSERTS FOR SECURING HINGES. VANDAL RESISTANT, PIN-IN-HEAD TORX SCREWS FOR MOUNTING ALL HARDWARE.
7.

STILE BASE, LEVELING DEVICE: 7-GAUGE (5mm) THICK CORROSION-RESISTANT STEEL 3/8" (10mm) DIA, STAINLESS STEEL WEDGE FLOOR ANCHORS REQUIRE MINIMUM 2" (51mm) PENETRATION INTO 3" (76mm). THICK STRUCTURAL FLOOR
8.

INSTITUTIONAL HARDWARE: EXTRA-HEAVY-DUTY TYPE 304 SATIN- FINISH STAINLESS STEEL. ANGLE BRACKETS, U-CHANNELS AND SPRING-LOADED, SELF CLOSING HINGE RUN FULL HEIGHT OF PANELS AND DOORS. FOR EMERGENCY ACCESS, DOOR LIFTS FROM OUTSIDE. VANDAL-RESISTANT DOOR STOPS.
9.

SIDE LATCH: HEAVY DUTY TO MEET BARRIER FREE SECTION OF NBC AND CSA B651-04.
10.

DOOR PULL: 200mm LONG x 12mm DIA. STAINLESS STEEL "D" TYPE.

PAINTING

METAL: TO MASTERS PAINTERS INSTITUTE (MPI) FORMULA EXT.5.1D ALYKD SEMI-GLOSS LEVEL 5, VOC E1.

WOOD: TO MPI EXT. 6.5A ACRYLIC LATEX LEVEL 4, VOC E3.

TIMBER: TO MPI EXT. 6.4D SEMI-TRANSPARENT STAIN

ABBREVIATIONS

@ A.I.F.B.	AT ASPHALT IMPREGNATED FIBRE BOARD	VERT. VERTICAL
BLL BUL BOT.	BOTTOM LOWER LAYER BOTTOM UPPER LAYER BOTTOM	WL WIND LOAD
CANT. C.I.P. CL CLR. COLS. CONC. CONT. C/W	CANTILEVER CAST-IN-PLACE CENTER LINE CLEAR, CLEARANCE COLUMNS CONCRETE CONTINUOUS COMPLETE WITH	
DEG. DIA. DL DN. DP. DWG.	DEGREE DIAMETER DEAD LOAD DOWN DEEP DRAWING	
EA. E.F. EL. E.W. EXIST.	EACH EACH FACE ELEVATION EACH WAY EXISTING	
GA. GALV.	GAUGE GALV.	
HK. HORIZ.	HOOK HORIZONTAL	
I.F. INV.	INSIDE FACE INVERT	
kN kPa	KILONEWTON KILOPASCAL	
LL LLH LLV	LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL	
m MAX. MID. MIN. mm MPa	METER MAXIMUM MIDDLE MINIMUM MILLIMETER MEGAPASCAL	
NIC NTS	NOT IN CONTRACT NOT TO SCALE	
O.C. O.F. OPP.	ON CENTER OUTSIDE FACE OPPOSITE	
±	PLUS MINUS	
REF. REINF. R/W	REFERENCE REINFORCEMENT REINFORCED WITH	
SDL SIM. SL SLS	SUPERIMPOSED DEAD LOAD SIMILAR SNOW LOAD SERVICEABILITY LIMIT STATE	
T.O. TYP.	TOP OF TYPICAL	
U/S ULS U.N.O.	UNDER SIDE ULTIMATE LIMIT STATE UNLESS NOTIFIED OTHERWISE	



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Wood Environment & Infrastructure Solutions, a Division of Wood Canada Ltd. #401, 1925 - 18th Avenue NE Calgary, Alberta CANADA T2E 7T8 Tel. (403) 248-4331 Fax (403) 248-2188	
APEGA PERMIT NUMBER: 4546	

DO NOT SCALE DRAWINGS

C	ISSUED FOR TENDER	20/02/24
B	ISSUED FOR 90% REVIEW	19/11/12
revisions	description	date
Client		

PARKS CANADA AGENCY

BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2

project title

PEYTO LAKE  
DAY USE AREA  
REHABILITATION (FII 1494)

approved by

designed by  
G. BAJORIA

drawn by  
T. WILSON

PWOSC Project Manager  
K. SHAW

PWOSC, Architectural and Engineering Resources Manager

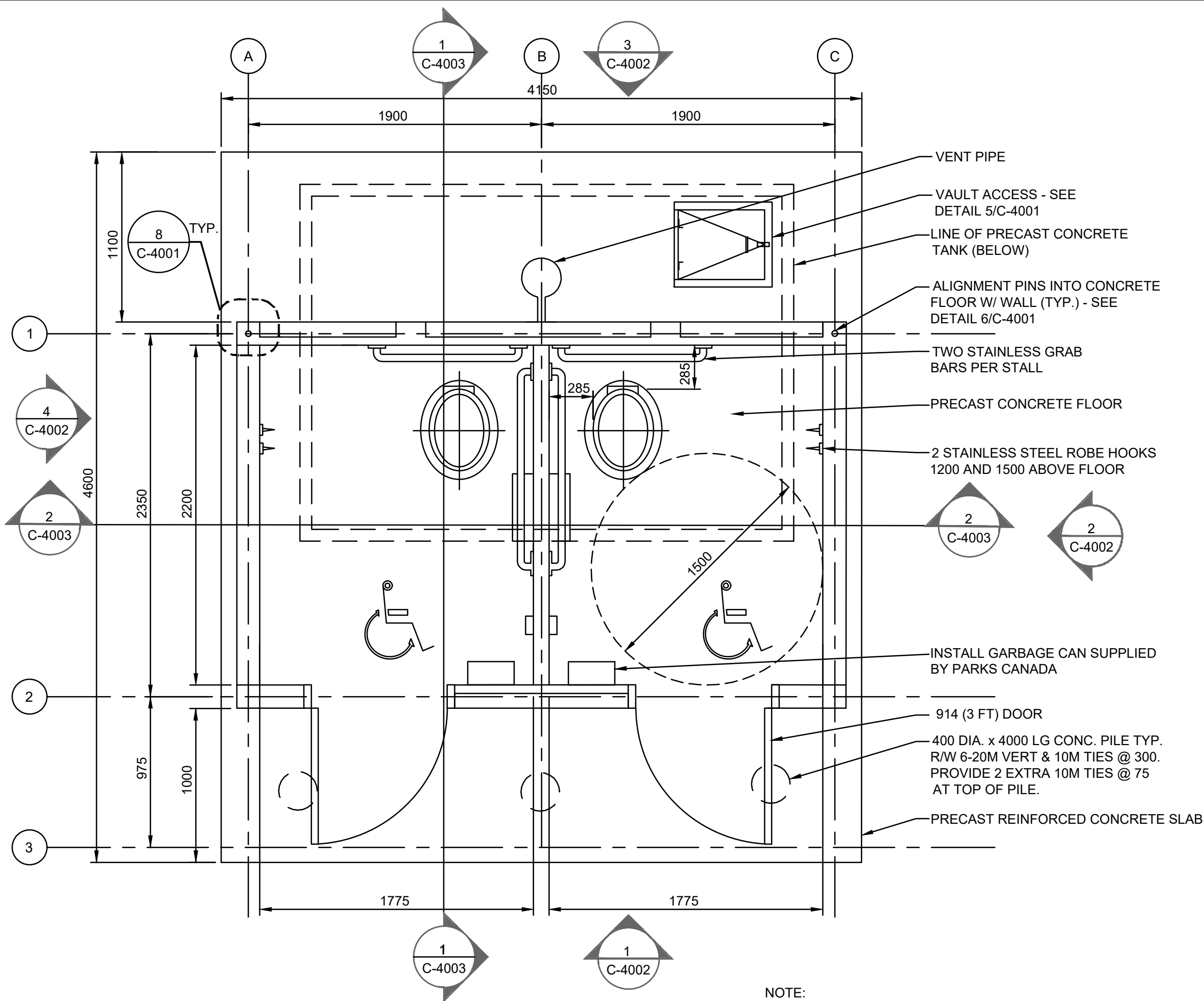
Client  
PARKS CANADA AGENCY

drawing title

PRIVY - GENERAL NOTES

project no.	sheet	revision no.
CT184101	C-4000	C



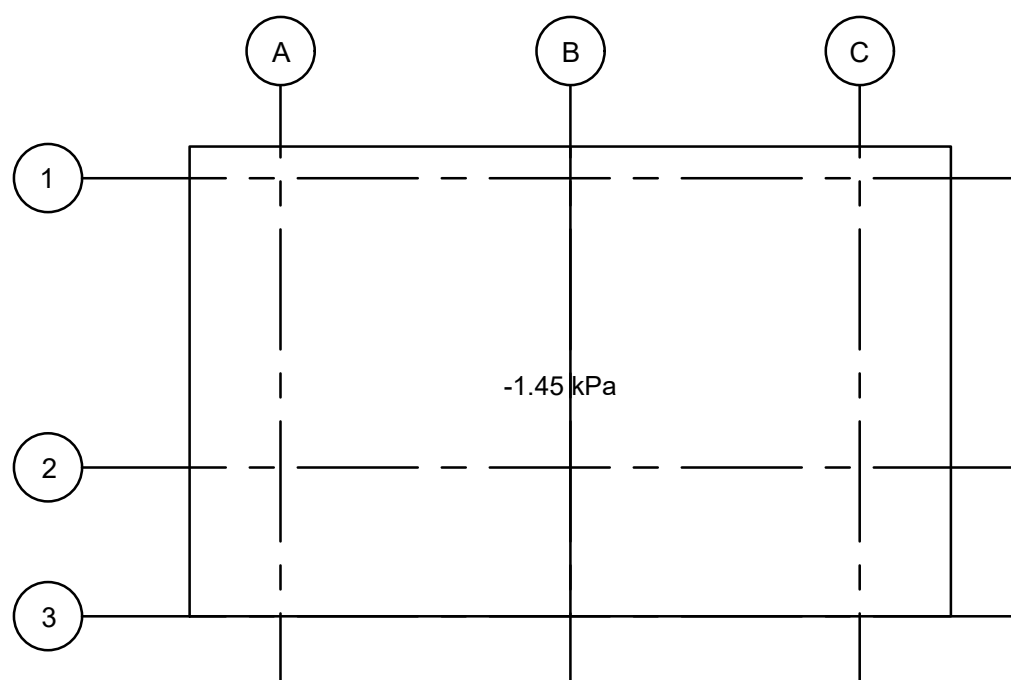


1 | TYPICAL FLOOR PLAN  
C-4001 | N.T.S.

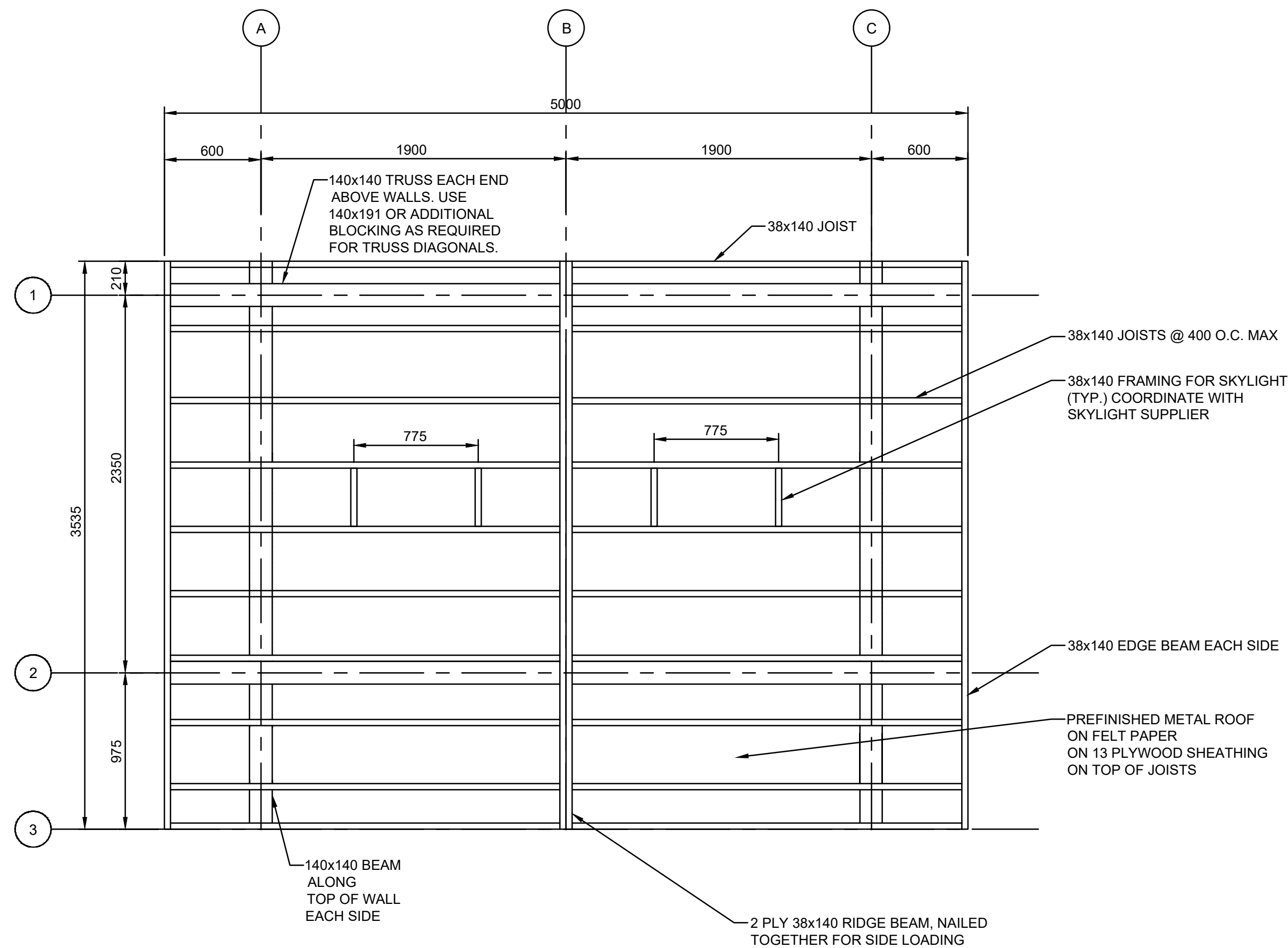
CASE	TYPE	SNOW LOADS OR SNOW DRIFT VALUES	NOTES
A	ROOF PROFILE		
	DISTRIBUTION OF SNOW LOAD, S		
	CASE I CASE II		
		CASE I: Smax=2.58 kPa (ULS) Smax=2.35 kPa (SLS)  CASE II: Smax=3.22 kPa (ULS) Smax=2.93 kPa (SLS)	TYPICAL ON THE NEW PRIVY ROOFS

NOTE: ALL SNOW LOAD VALUES SHOWN ARE UNFACTORED VALUES

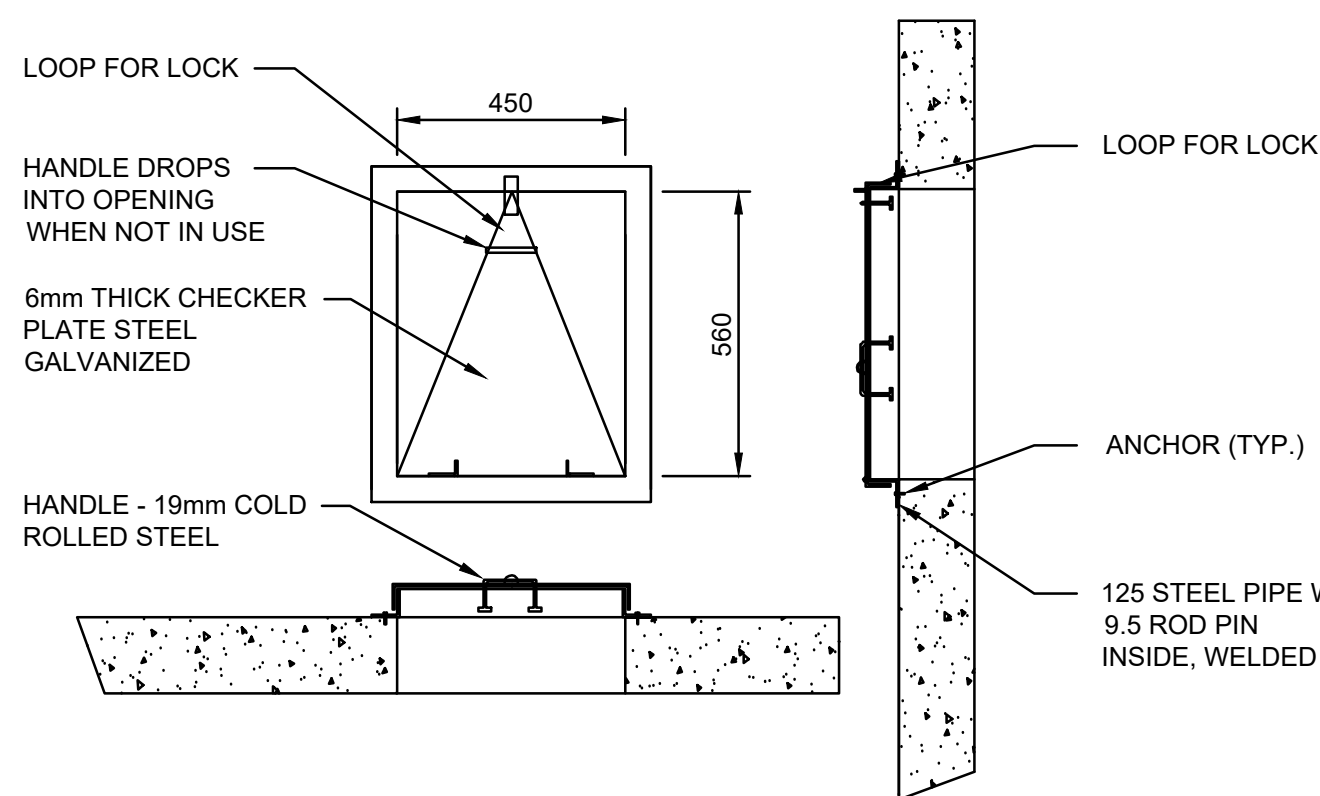
3 | ROOF SNOW LOADS  
C-4001 |



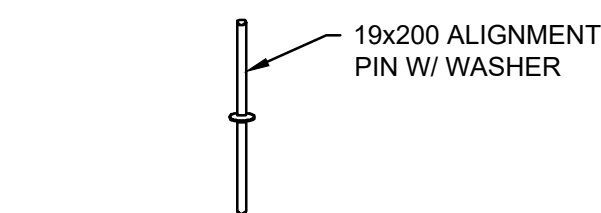
4 | WIND UPLIFT FORCES PLAN  
C-4001 | N.T.S.



2 | TYPICAL ROOF FRAMING PLAN  
C-4001 | N.T.S.

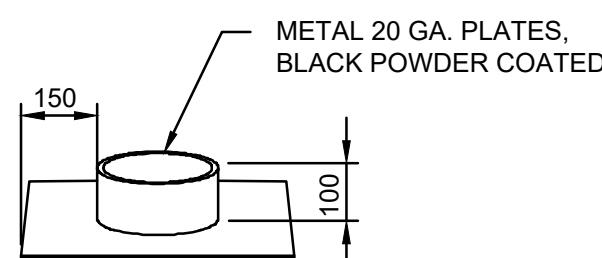


5 | TYPICAL ACCESS HATCH SECTION  
C-4001 | N.T.S.



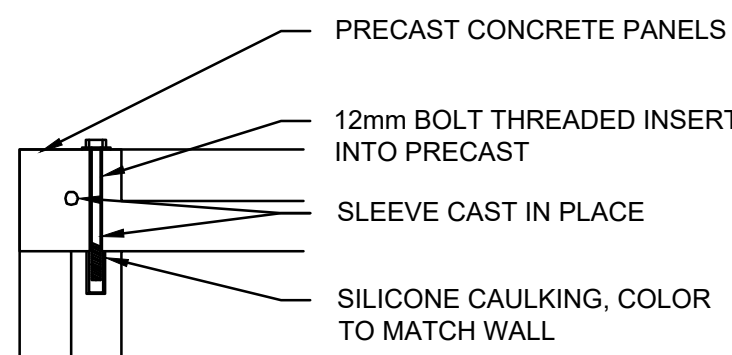
NOTE: PROVIDE ALIGNMENT PINS AS REQUIRED BY PRECAST WALL SUPPLIER

6 | TYPICAL ALIGN. PIN ISOMETRIC  
C-4001 | N.T.S.



NOTE: REFER TO BUILDING SECTIONS FOR LOCATION

7 | TYPICAL VENT PIPE COLLAR DETAIL  
C-4003 | N.T.S.



8 | TYPICAL CONCRETE PANEL ANCHOR DETAIL  
C-4001 | N.T.S.

THE VALUES ARE UNFACTORED ULS (ULTIMATE LIMIT STATES) WIND UPLIFT PRESSURES AND DO NOT INCLUDE SUPERIMPOSED DEAD LOADS (SDL) OR SELF-WEIGHT OF THE ROOF STRUCTURE.

wood.

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Wood Environment & Infrastructure Solutions, a Division of Wood Canada Ltd. #401, 1925 - 18th Avenue NE Calgary, Alberta CANADA T2E 7T8 Tel. (403) 248-4331 Fax (403) 248-2188	PROFESSIONAL ENGINEER ALBERTA #12345 2020
APEGA PERMIT NUMBER: 4546	

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PARKS CANADA AGENCY

BANFF NATIONAL PARK, P.O. BOX 900  
BANFF, ALBERTA, T1L 1K2

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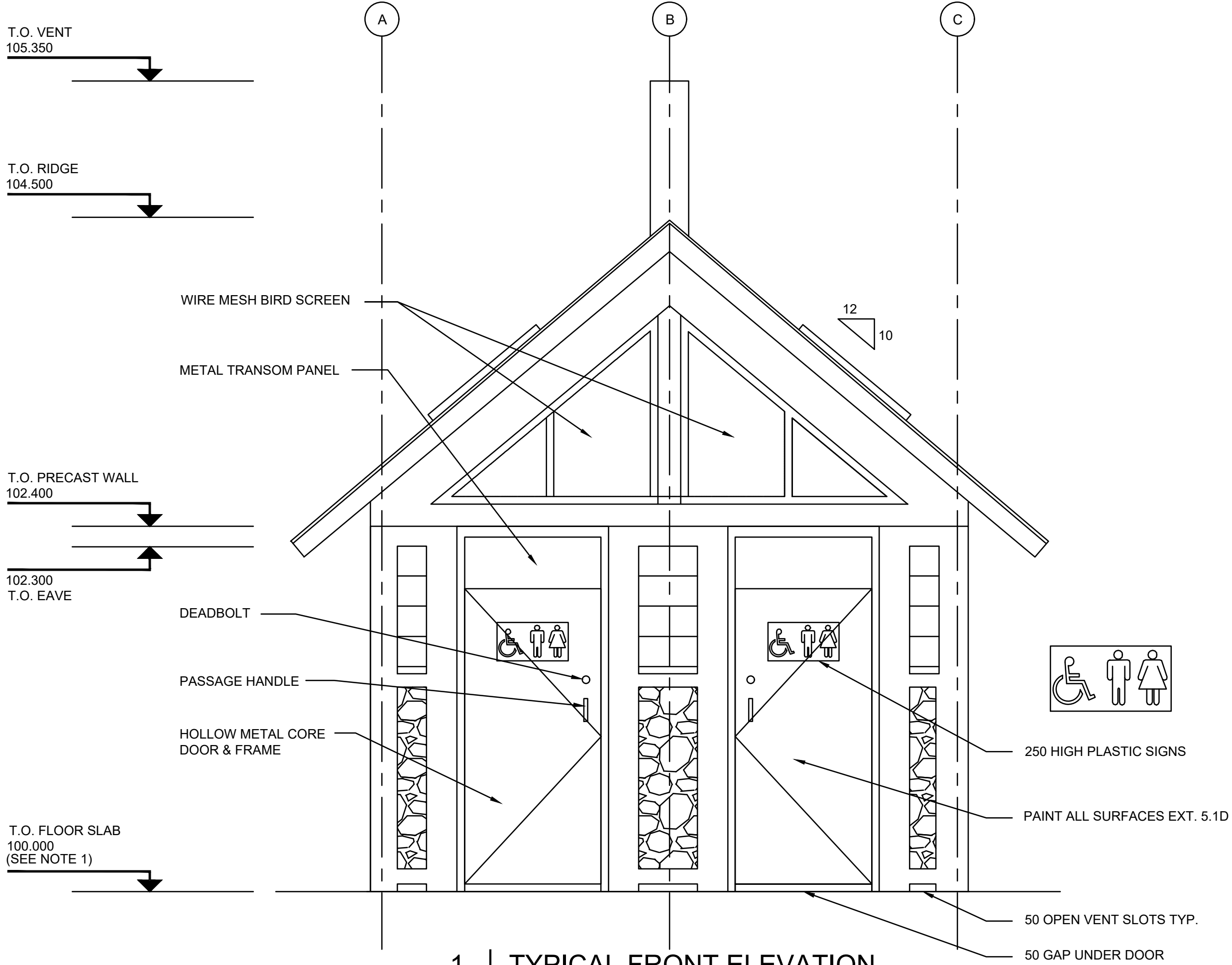
PWOSC, Architectural and Engineering Resources Manager

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PARKS CANADA AGENCY

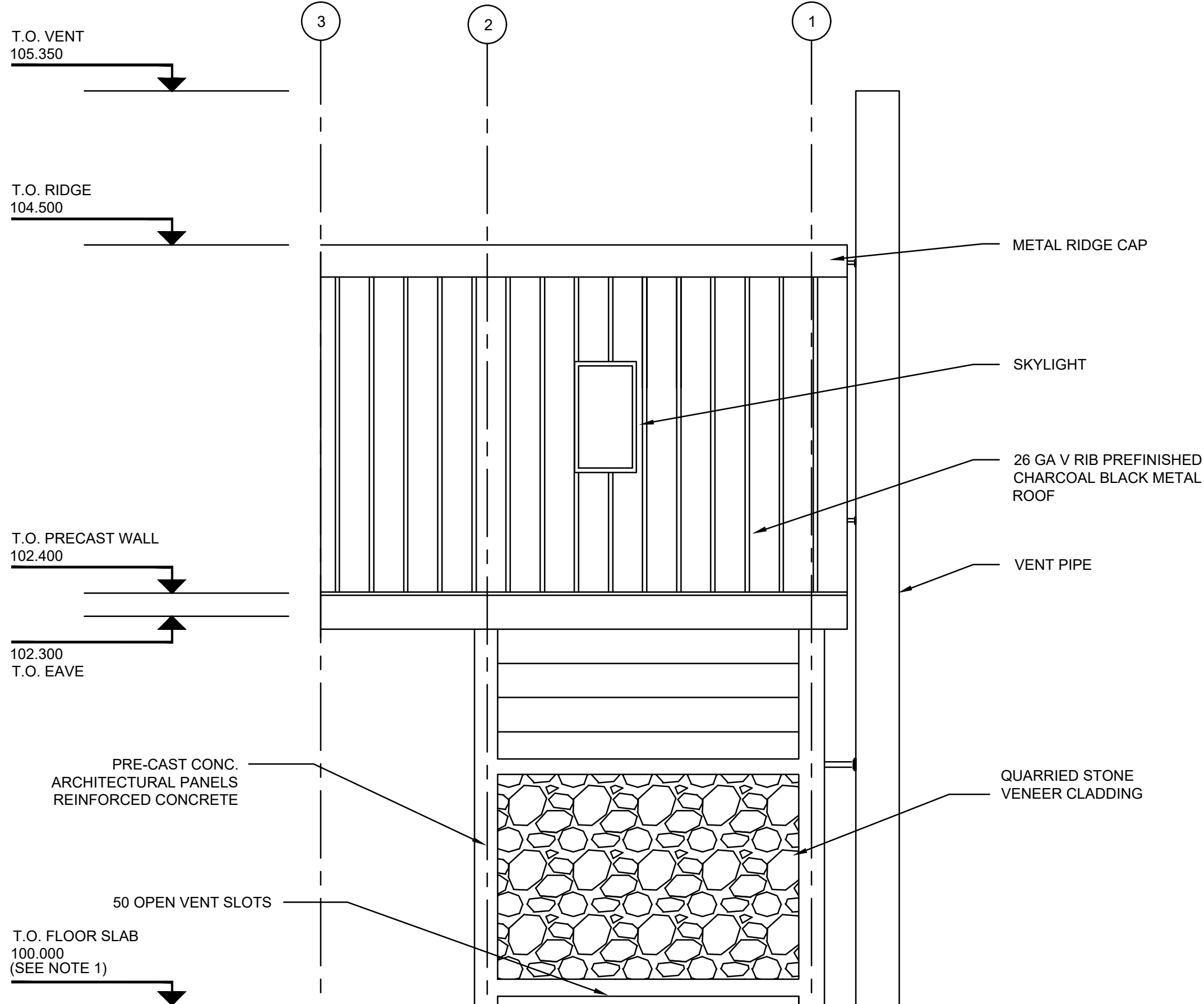
drawing title  
PRIVY FLOOR PLAN AND  
ROOF FRAMING PLAN

project no.	sheet	revision no.
CT184101	C-4001	C

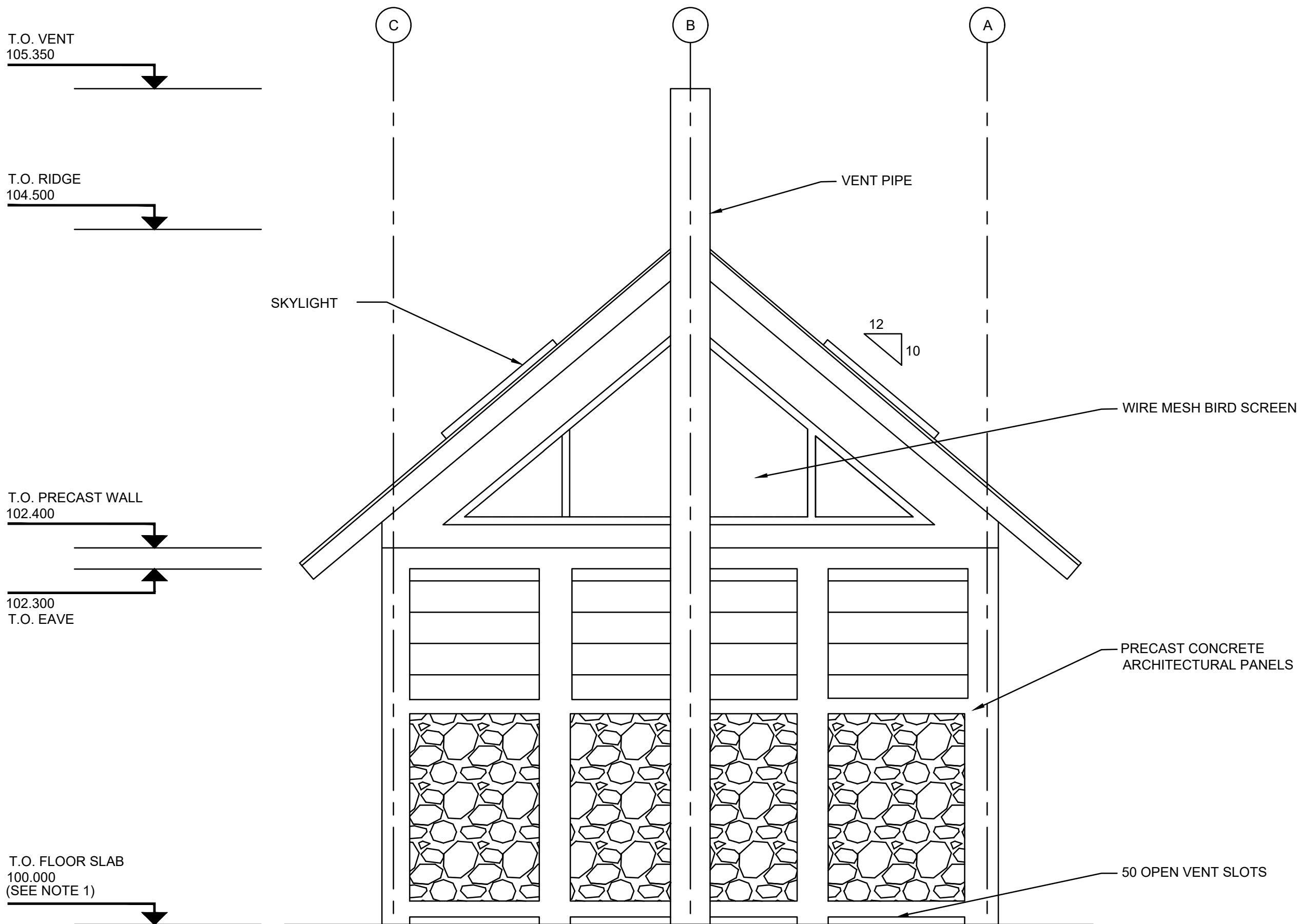




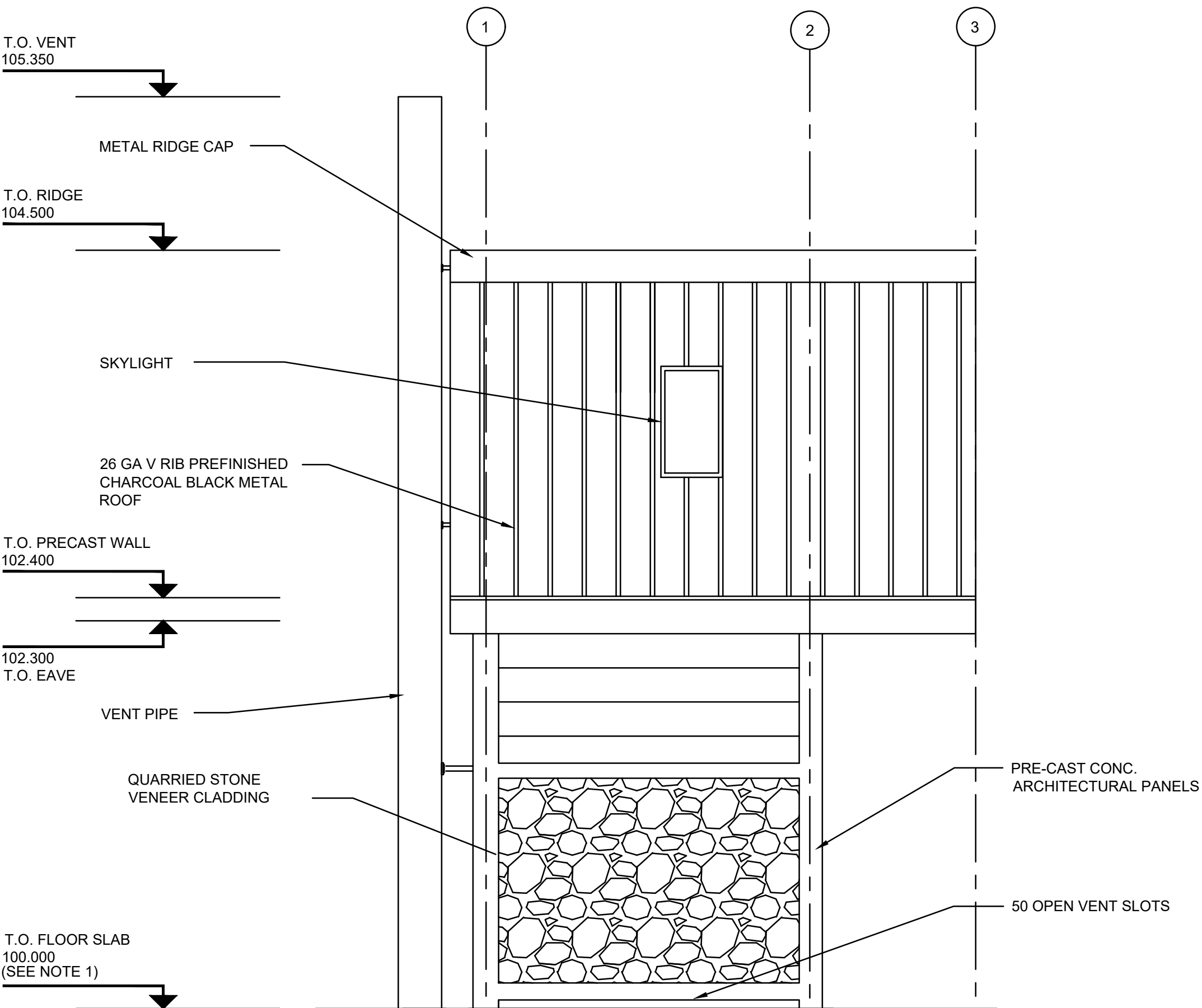
1 | TYPICAL FRONT ELEVATION  
C-4001 | N.T.S.



2 | TYPICAL RIGHT ELEVATION  
C-4001 | N.T.S.



3 | TYPICAL REAR ELEVATION  
C-4001 | N.T.S.



4 | TYPICAL LEFT ELEVATION  
C-4001 | N.T.S.

**NOTES:**

1. T.O. FLOOR SLAB SHOWN AS 100.000 TO ILLUSTRATE GENERAL PRIVY BUILDING ELEVATIONS, DIMENSIONS AND OVERALL REQUIREMENTS. ACTUAL ELEVATIONS FOR PRIVY BUILDINGS TO BE CONSTRUCTED IN ACCORDANCE WITH SHEETS C-4000 AND C-1007.

**wood.**

<b>Consultant's Name</b> Nom de l'expert-conseil <b>Wood Environment &amp; Infrastructure Solutions,</b> a Division of Wood Canada Ltd. #401, 1925 - 18th Avenue NE Calgary, Alberta CANADA T2E 7T8 Tel. (403) 248-4331 Fax (403) 248-2188	<b>Eng. Stamp</b> Sceau de l'ingénieur 
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APEGA PERMIT NUMBER: 4546

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**BANFF NATIONAL PARK, P.O. BOX 900  
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project title

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REHABILITATION (FII 1494)**

approved by

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**T. WILSON**

PWOSC Project Manager  
**K. SHAW**

PWOSC, Architectural and Engineering Resources Manager

Client  
**PARKS CANADA AGENCY**

drawing title  
**PRIVY BUILDING ELEVATIONS**



NOTES:

1. T.O. FLOOR SLAB SHOWN AS 100.000 TO ILLUSTRATE GENERAL PRIVY BUILDING ELEVATIONS, DIMENSIONS AND OVERALL REQUIREMENTS. ACTUAL ELEVATIONS FOR PRIVY BUILDINGS TO BE CONSTRUCTED IN ACCORDANCE WITH SHEETS C-4000 AND C-1007.

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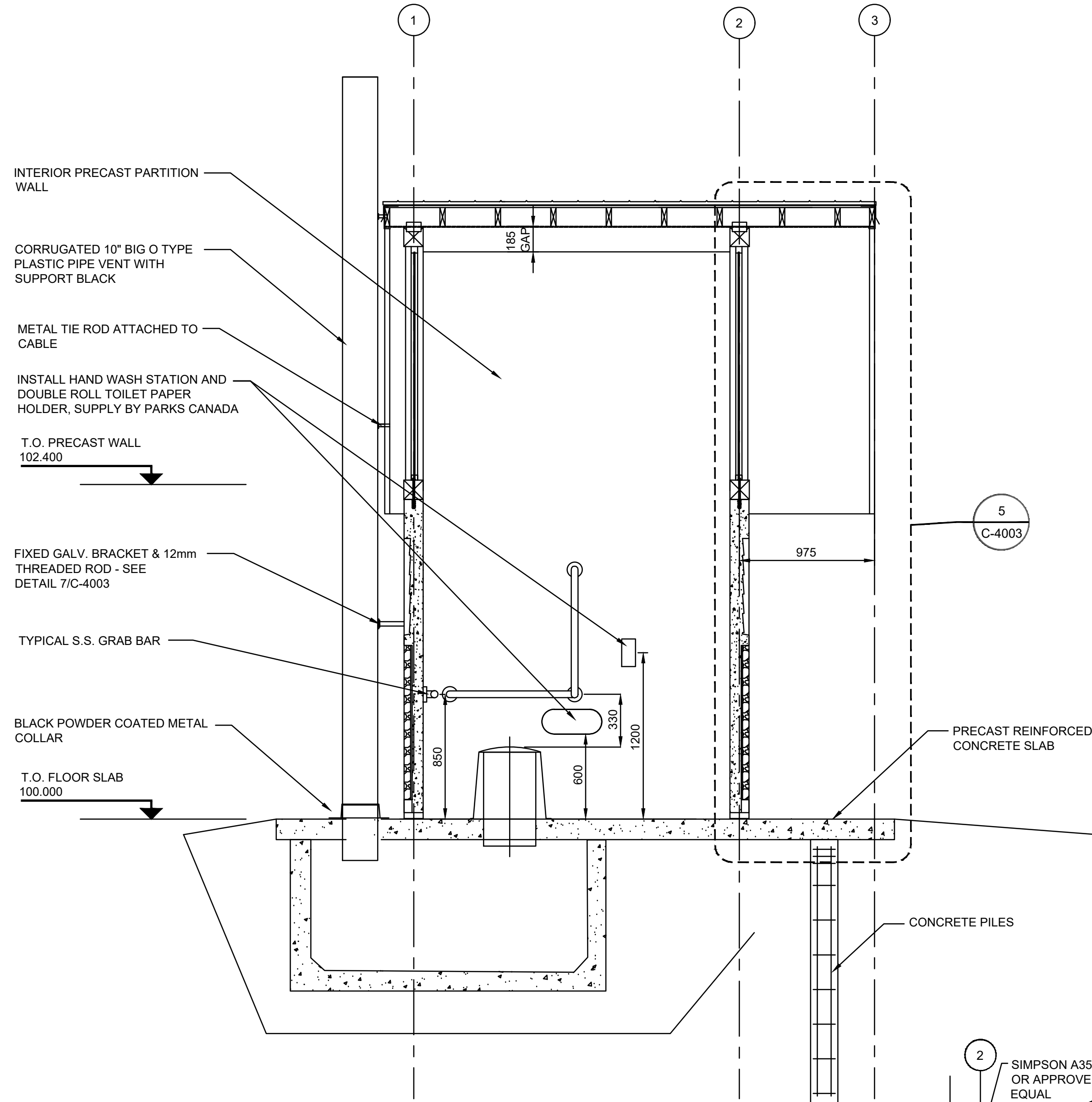
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PARKS CANADA AGENCY

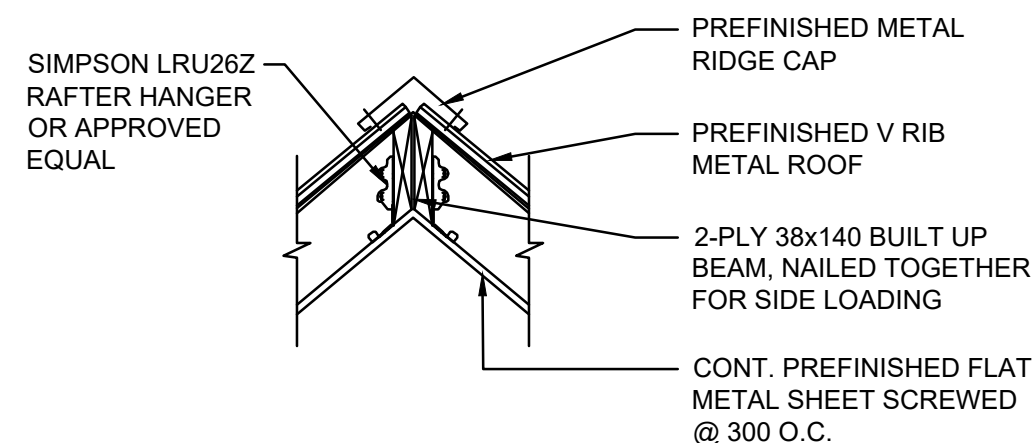
drawing title

PRIVY BUILDING SECTIONS  
AND DETAILS

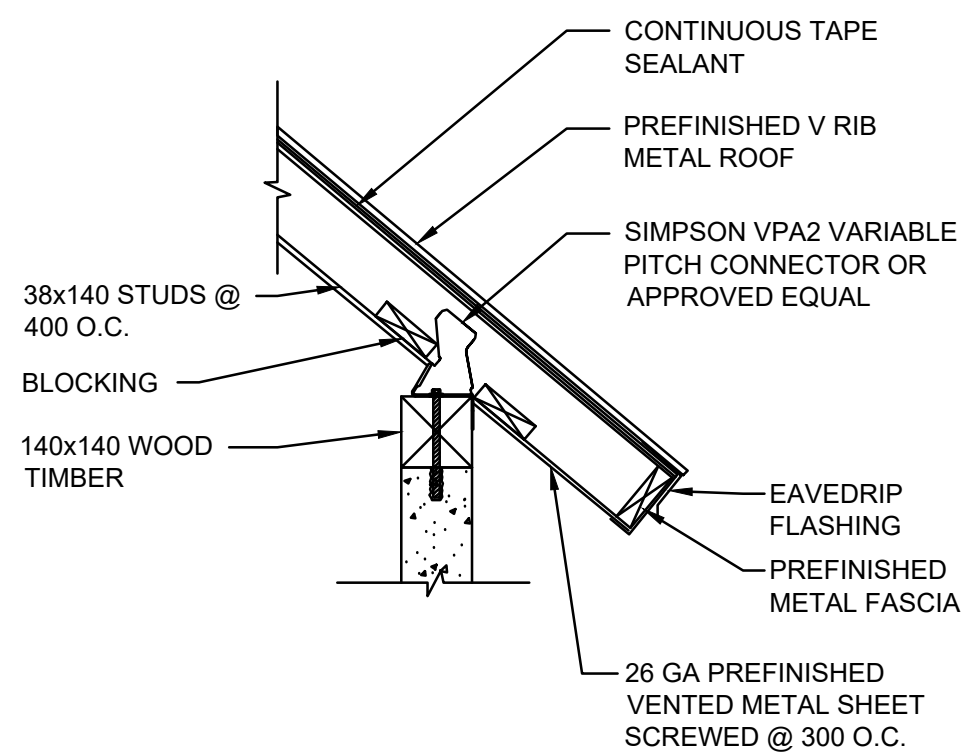
project no.	sheet	revision no.
CT184101	<b>C-4003</b>	<b>C</b>



1 | TYPICAL BUILDING SECTION  
C-4001 N.T.S.



3 | SECTION DETAIL  
C-4003 N.T.S.



4 | TYPICAL SECTION DETAIL  
C-4003 N.T.S.

- ROOF PANEL:
- 26 GA. V RIB PRE-FINISHED CHARCOAL BLACK METAL ROOF AND TRIM
  - 1 LAYER 15# FELT PAPER
  - 12.4 PLYWOOD SHEATHING
  - 38x140 STUDS @ 400 O.C
  - 26 GA. WHITE PRE-FINISHED FLAT METAL SHEET (USE VENTED SHEET FOR SOFFIT AREA OUTSIDE BUILDING)

50mm AIR SKY LIGHT, CLEAR PLEX-GLASS, FRAME TOGETHER, WITH TRIMS AND FRAMING

PRE-FINISHED CONCRETE PANEL

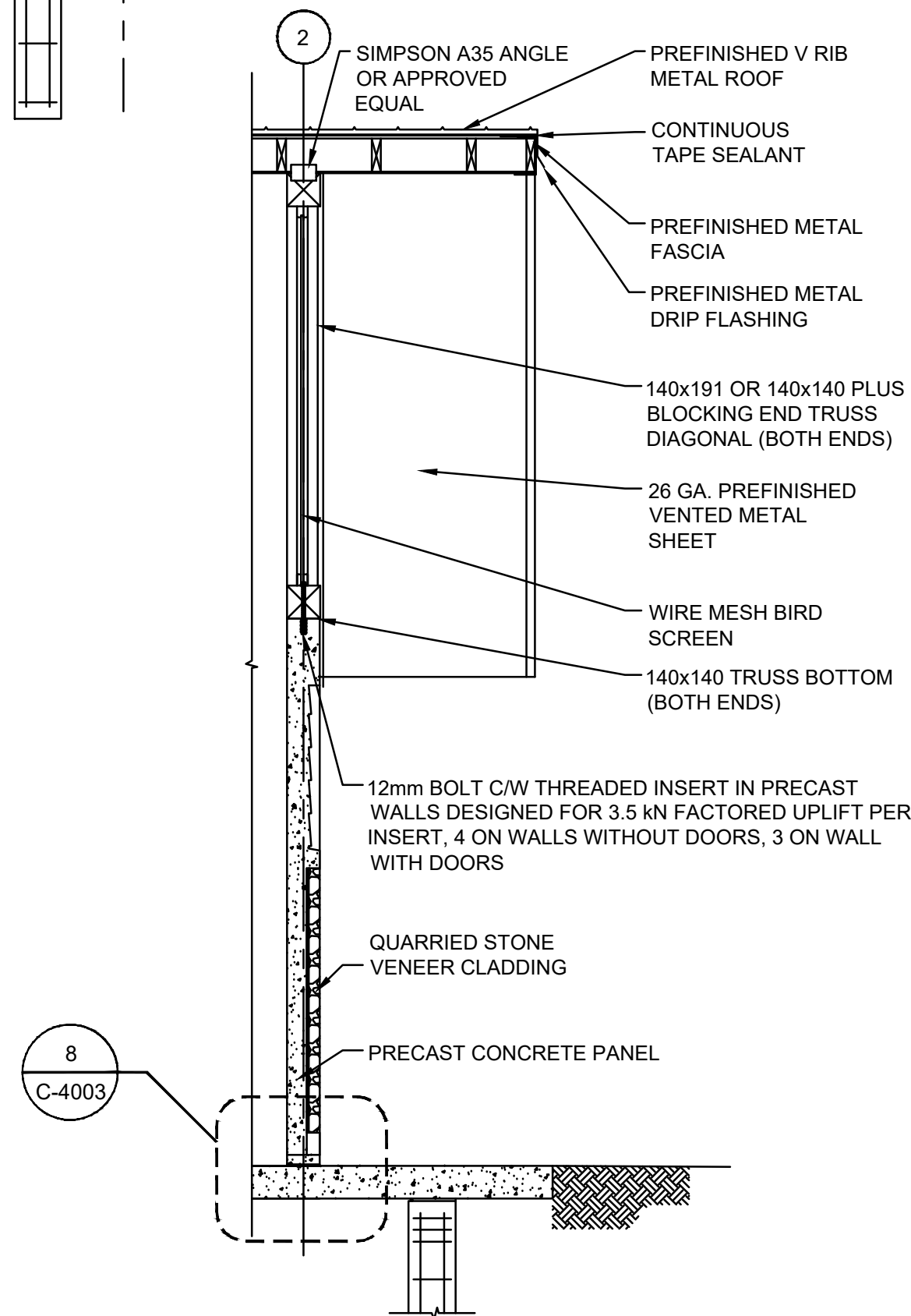
T.O. PRECAST WALL  
102.400

TYPICAL S.S. ROBE HOOK

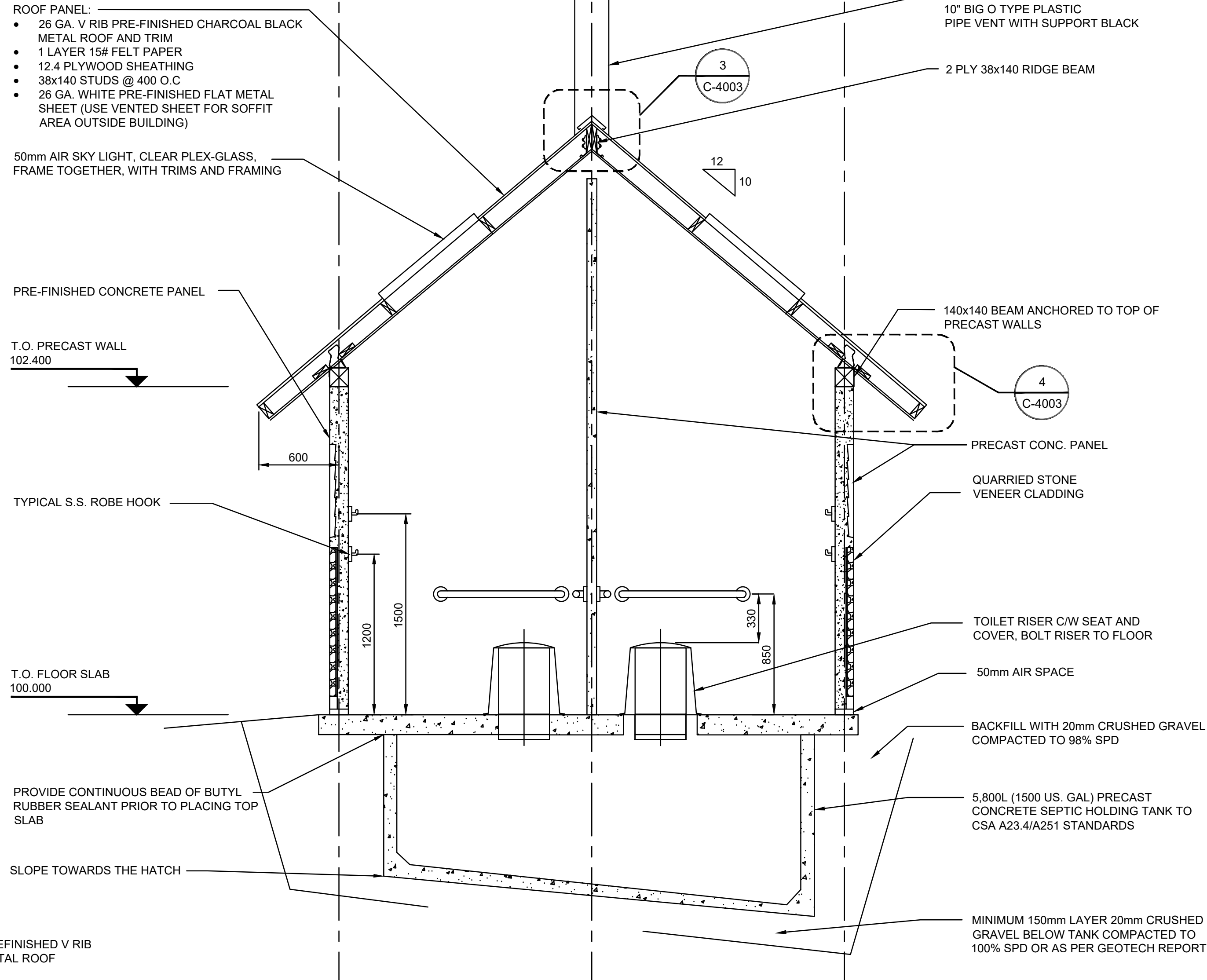
T.O. FLOOR SLAB  
100.000

PROVIDE CONTINUOUS BEAD OF BUTYL RUBBER SEALANT PRIOR TO PLACING TOP SLAB

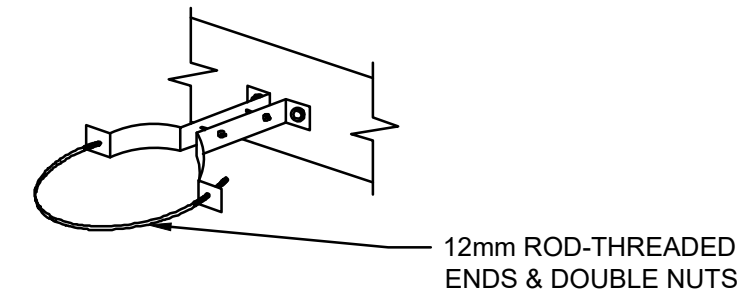
SLOPE TOWARDS THE HATCH



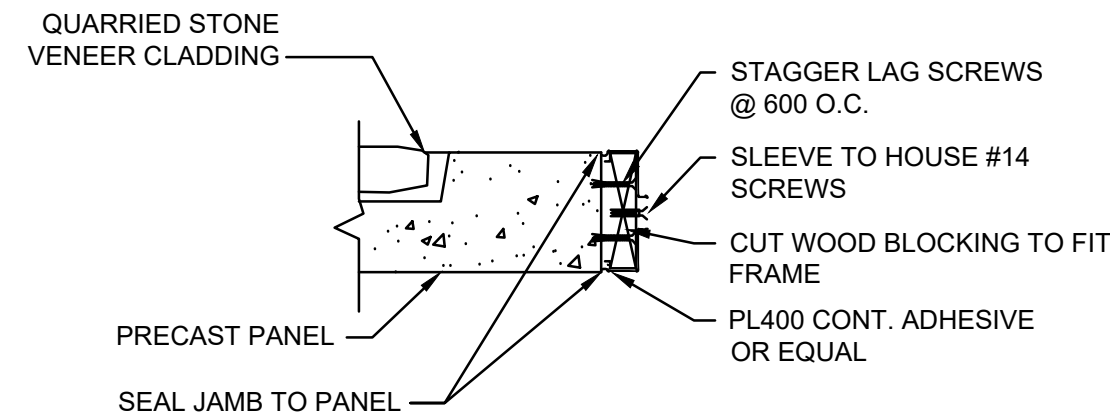
5 | TYPICAL WALL SECTION  
C-4003 N.T.S.



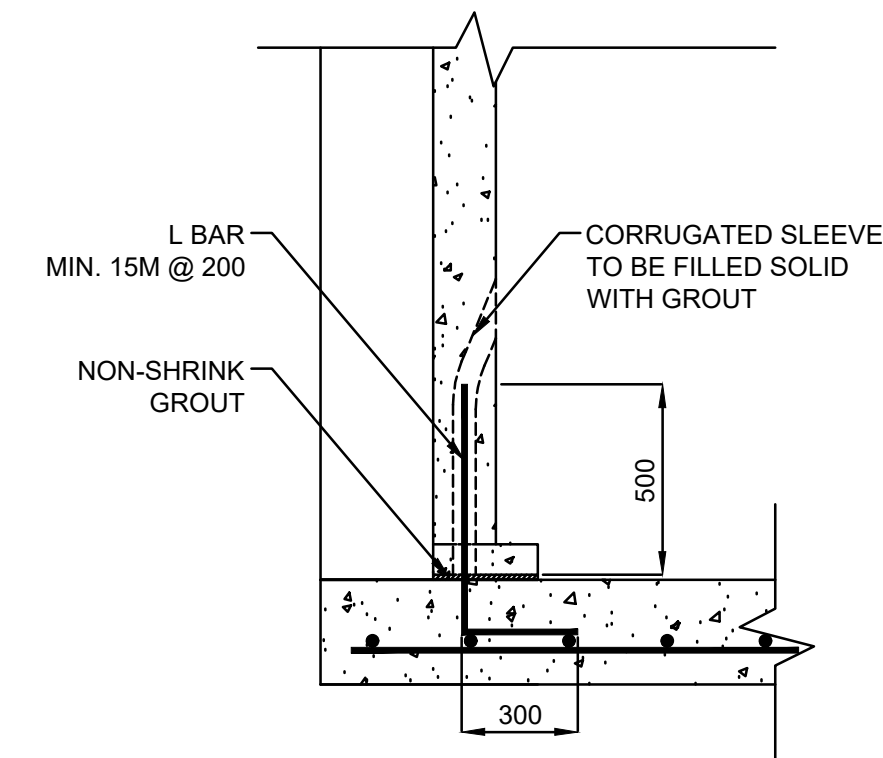
2 | TYPICAL BUILDING SECTION  
C-4001 N.T.S.



7 | TYPICAL VENT BRACKET ISO.  
C-4003 N.T.S.



6 | TYPICAL DOOR JAMB DETAIL  
C-4003 N.T.S.



8 | TYPICAL WALL TO FLOOR CONNECTION  
C-4003 N.T.S.