

Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

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

WATERTON LAKES NATIONAL PARK
ALPINE STABLES RECONSTRUCTION
FOUNDATION PACKAGE

SECTION 25, NE CORNER
TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH

WATERTON, ALBERTA

DATE: August 30, 2018
ISSUED FOR 100% CONSTRUCTION DOCUMENTS



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

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

REPUBLIC
ARCHITECTURE
INC

385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

1	ISSUED FOR CONSTRUCTION	2018 08 30
0	90% Construction Documents Submission	2018 07 16
Revision	Description	Date

Client

PWGSC / TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA

WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATIONS PACKAGE

Designed by
MS

Drawn by
HA & RA

Approved by
JR

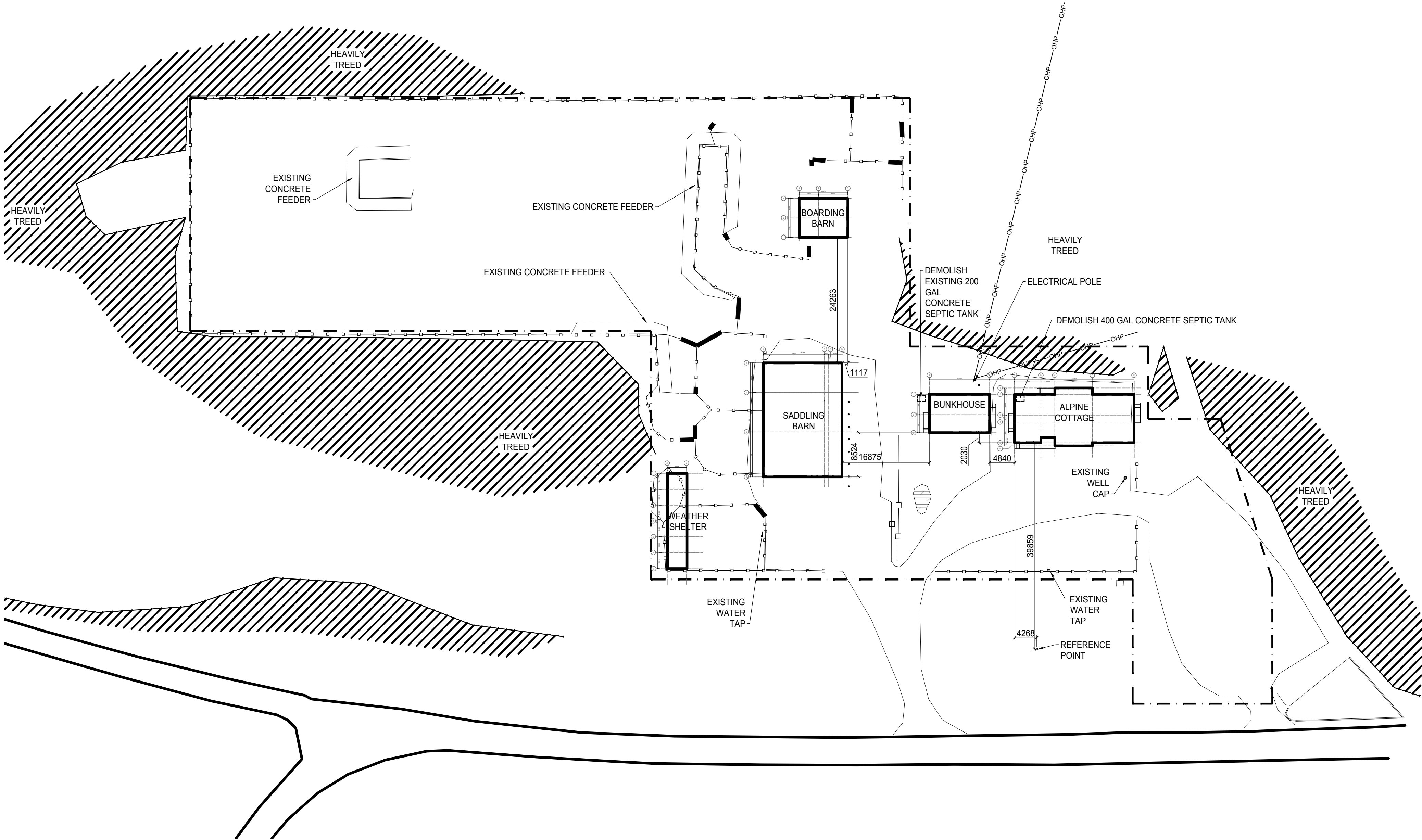
PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title

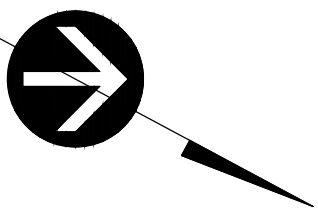
Cover

Project no.	Drawing no.	Revision no.
R.096286.001	A0	0





1 SITE PLAN
A1.0 1:500



GENERAL NOTES:

1. INFORMATION CONCERNING EXISTING CONSTRUCTION WAS TAKEN FROM ORIGINAL DRAWINGS AND IS ASSUMED CORRECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SITE MEASUREMENTS AND QUANTITIES OF MATERIALS REQUIRED.
3. PERFORM WORK IN STRICT ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA AND ANY OTHER CODE OF APPLICATION OR ANY AUTHORITY HAVING JURISDICTION.
4. DRAWINGS MUST NOT BE SCALED.
5. WHERE NEW WORK CONNECTS WITH EXISTING AND WHERE EXISTING WORK IS ALTERED, PATCH, REPAIR AND MAKE GOOD TO MATCH EXISTING. CONTACT DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION AS REQUIRED.
6. ALL FINISHES AND MATERIALS TO REMAIN ARE TO BE PROTECTED IN THEIR EXISTING CONDITION EXCEPT AS NOTED. ANY FINISHES DAMAGED IN THE COURSE OF CONSTRUCTION ARE TO BE PATCHED, REPAIRED AND MADE GOOD.
7. IN CASE OF DOUBT, CONFLICT OR DISCREPANCIES ON THE DRAWINGS, SPECIFICATIONS, MATERIALS OR METHOD OF CONSTRUCTION, CONTACT DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION IN WRITING BEFORE PROCEEDING WITH WORK.
8. DIMENSIONS TO FACE OF FINISHED OR UNLESS OTHERWISE INDICATED.
9. SITE CONFIRM EXACT QUANTITIES OF ITEMS TO BE DEMOLISHED PRIOR TO TENDER CLOSE.
10. TURN OVER EXISTING ITEMS ON WALLS TO BE DEMOLISHED TO DEPARTMENTAL REPRESENTATIVE FOR FIRST RIGHT OF REFUSAL.
11. ALL CONSTRUCTION MATERIAL, RECYCLING & WASTE TO BE TAKEN OFF SITE BY CONTRACTOR.

ABBREVIATIONS:

ACT	Acoustic Ceiling Tile	FR	Fridge	QTY	Quantity
ADO	Automatic Door Opener	FRR	Fire Resistance Rating	RB	Rubber Base
AFF	Above Finished Floor	GB	Gypsum Board	RCP	Reflected Ceiling Plan
AWP	Acoustic Wall Panels	HPL	High Pressure Laminate	REQS	Requirements
BFL	Baffle	HR	Hour	RTF	Resilient Tile Floor
B/W	Between	MAX	Maximum	RM	Room
CPT	Carpet Tile	MECH	Mechanical	STC	Sound Transmission Class
CG	Corner Guard	MIN	Minimum	TB	Tack Board
CLG	Ceiling	MW	Microwave	TBD	To Be Determined
DW	Dishwasher	NBC	National Building Code	T&G	Tongue and Groove
ELEC	Electrical	NIC	Not in Contract	TS	Transition Strip
EQ	Equal	NTS	Not to Scale	TV	Television
EX	Existing	O/C	On Centre	TYP	Typical
EXP	Exposed	PLY	Plywood	U/S	Underside
FD	Floor Drain	PT	Pressure Treated	W/	With
FHC	Fire Hose Cabinet	PTD	Painted		

CONSULTANTS

ARCHITECTURAL

REPUBLIC ARCHITECTURE INC.

385 ST. MARY AVENUE
WINNIPEG, MANITOBA R3C 0N1

CIVIL

KGS GROUP

SUITE 200-4561 PARLIAMENT AVE
REGINA, SASKATCHEWAN S4W 0G3

STRUCTURAL

CROSIER KILGOUR & PARTNERS LTD.

300-275 CARLTON STREET
WINNIPEG, MANITOBA R3C 5R6

MECHANICAL, ELECTRICAL

SMS

770 BRADFORD ST,
WINNIPEG, MANITOBA R3H 0N3

DRAWING LIST

- A0.0 COVER
A1.0 SITE PLAN

CIVIL

- C01 KEY PLAN
C02 EXISTING SITE PLAN
C03 EXISTING SITE PLAN
C04 EXISTING SITE PLAN
C05 PROPOSED SITE PLAN
C06 PROPOSED WATER SERVICE
C07 PROPOSED WATER SERVICE
C08 PROPOSED WATER SERVICE
C09 PROPOSED DOMESTIC SERVICE
C11 DETAILS
C12 DETAILS

ARCHITECTURAL

- A2.1 SADDLING BARN, BOARDING BARN & WEATHER SHELTER PLANS AND SECTIONS
A2.2 ALPINE COTTAGE AND BUNKHOUSE PLANS, SECTIONS AND DETAILS

STRUCTURAL

- S1 FOUNDATIONS AND UNDERGROUND CIVIL WORK SCHEDULES AND ABBREVIATIONS
S2 FOUNDATIONS AND UNDERGROUND CIVIL WORK SADDLING BARN FRAMING PLANS
S3 FOUNDATIONS AND UNDERGROUND CIVIL WORK BUNK HOUSE FRAMING PLANS
S4 FOUNDATIONS AND UNDERGROUND CIVIL WORK ALPINE COTTAGE FRAMING PLANS
S5 FOUNDATIONS AND UNDERGROUND CIVIL WORK BOARDING BARN & WEATHER SHELTER FRAMING PLANS
S6 FOUNDATIONS AND UNDERGROUND CIVIL WORK FOUNDATION SECTIONS

MECHANICAL

- M1 FOUNDATION PACKAGE MECHANICAL NEW CONSTRUCTION

ELECTRICAL

- E1 FOUNDATION PACKAGE ELECTRICAL NEW CONSTRUCTION

LEGEND:

W	EXISTING WATER TAP
Ⓢ	EXISTING WELL CAP
—□—	EXISTING STEEL FENCING
---	PROPERTY LINE
—■—	EXISTING FENCE GATE
▲	REFERENCE POINT
---	EXISTING TEMPORARY FENCING
—□—	EXISTING WOOD FENCE
⚡	POWER POLE
■	ELECTRICAL PANEL



1	ISSUED FOR CONSTRUCTION	2018 08 30
0	90% Construction Documents Submission	2018 07 16

Revision	Description	Date
----------	-------------	------

Client

PWGS / TPSGC

**ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6**

Project title
**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**

**WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATIONS PACKAGE**

Designed by
MS

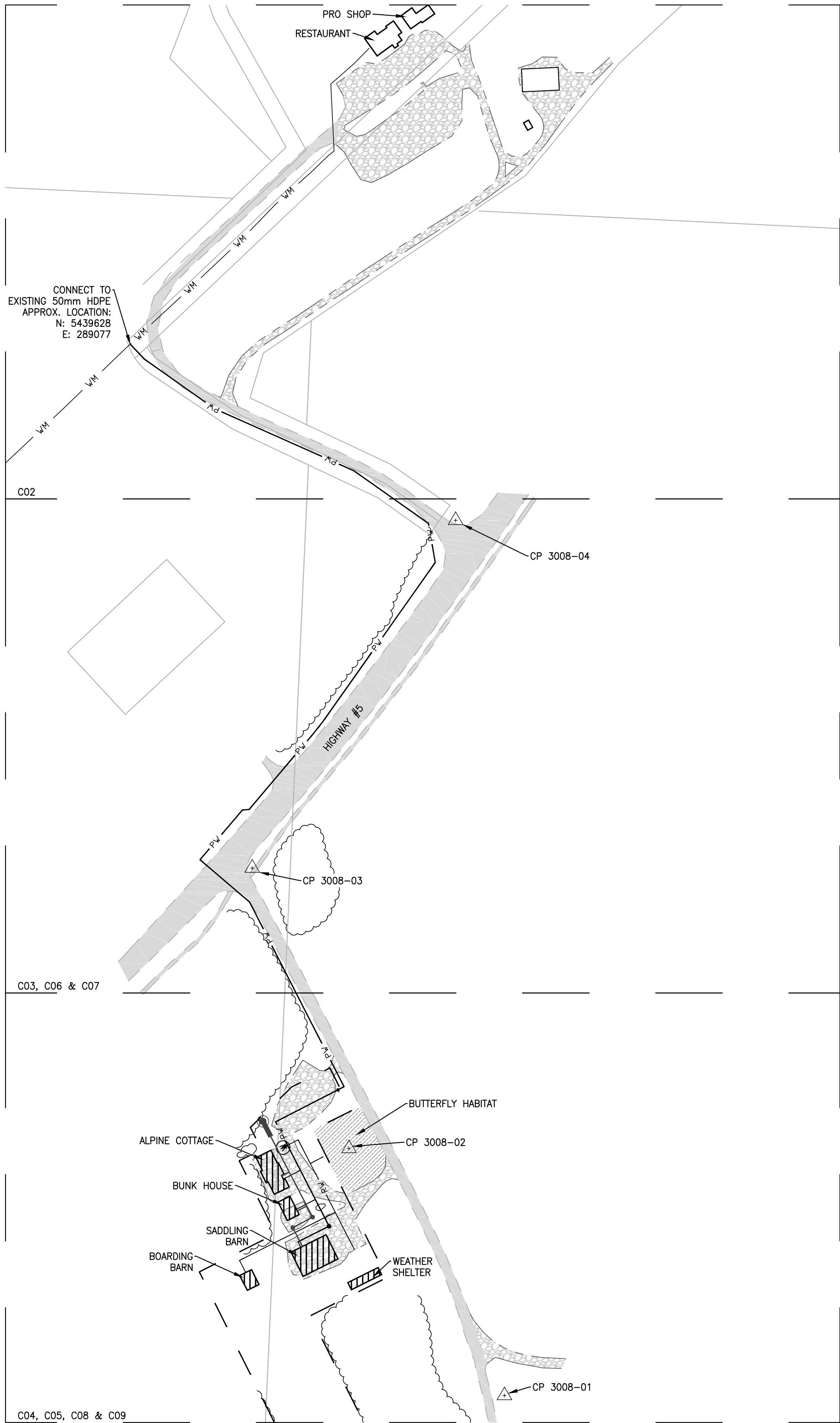
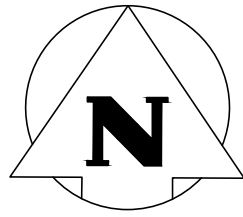
Drawn by
HA & RA

Approved by
JR

PWGS Project Manager
MICHAEL LYZANOWSKI

Drawing title
SITE PLAN

Project no. R.096286.001	Drawing no. A1.0 OF	Revision no. 0
------------------------------------	----------------------------------	--------------------------



1
C01
KEY PLAN
SCALE: 1:1500

- NOTES:
- EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.
 - EXISTING BUTTERFLY HABITAT IS NOT TO BE DISTURBED.

CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

LEGEND	
CONTROL POINT	
LIMIT OF DISTURBANCE	
PROPOSED POTABLE WATER MAIN	
PROPOSED WELL WATER SERVICE	
EXISTING WATER WELL	
EXISTING WATER MAIN	
PROPOSED DOMESTIC SERVICE	
PROPOSED SEWAGE HOLDING TANK	
PROPOSED BUILDING	
EDGE OF EXISTING GRAVEL ROAD	
EDGE OF EXISTING PAVED ROAD	
BUTTERFLY HABITAT	



Public Works and
Government Services
Canada




Travaux publics et
Services gouvernementaux
Canada

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

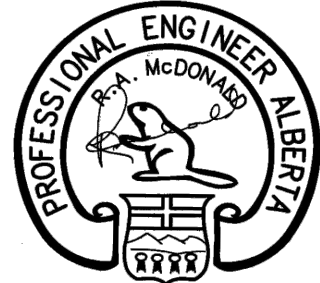
REPUBLIC
ARCHITECTURE
INC

385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

Proj #: 18-0109-009



Proj #: 18-0109-009



Permit to Practice
KGS GROUP
P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**

**WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATION PACKAGE**

Designed by
RKF

Drawn by
KNS

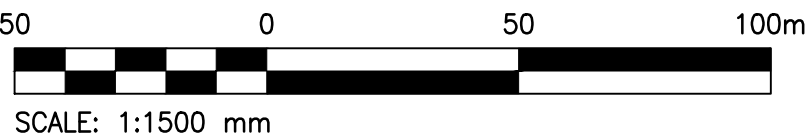
Approved by
RM

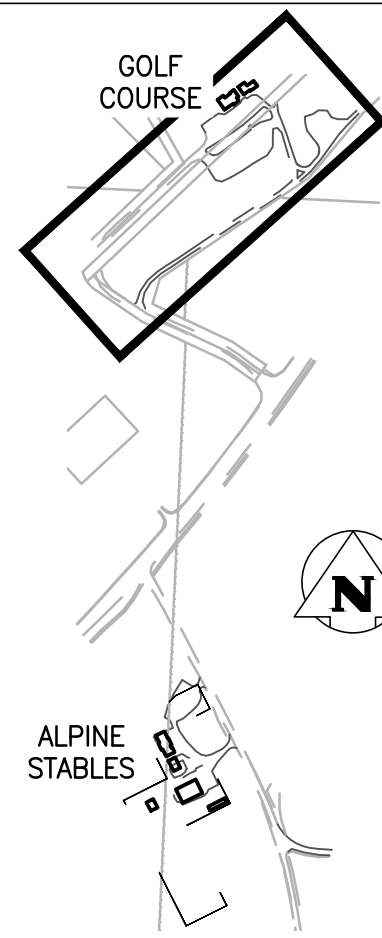
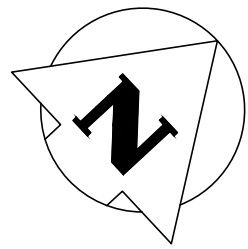
PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title

KEY PLAN

Project no.	Drawing no.	Revision no.
R.096286.001	C01 OF 11	3





KEY PLAN

SCALE: 1:7500

LEGEND

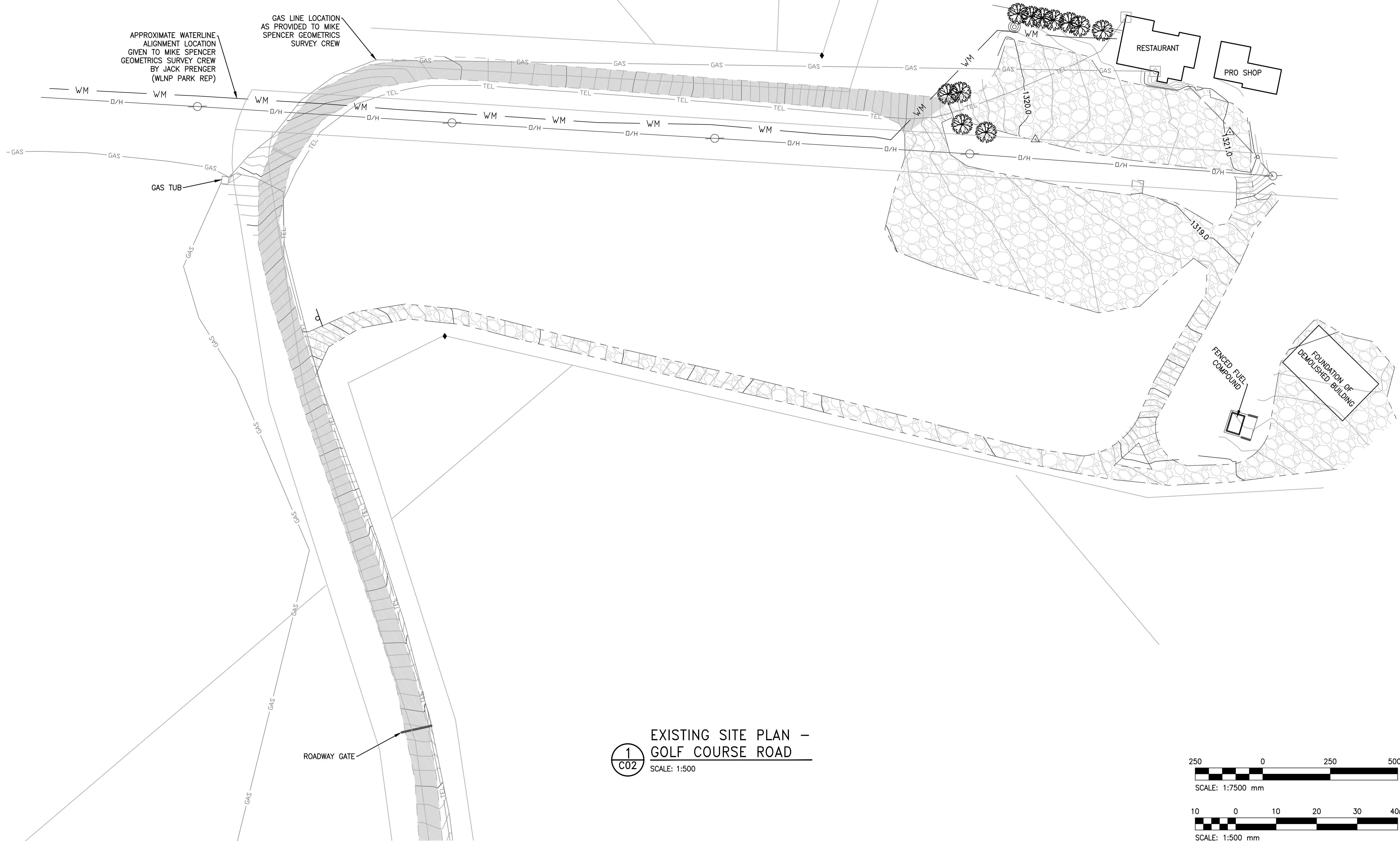
FIP	◆
CONTROL POINT	△
POWER POLE	○
O/H POWER LINE	— D/H —
U/G POWER LINE	— P —
GAS METER	G
U/G GAS LINE	— GAS —
U/G TELUS LINE	— TEL —
TELUS BOX	T
EXISTING WATER MAIN	— WM —
EDGE OF EXISTING GRAVEL ROAD	—
EDGE OF EXISTING PAVED ROAD	—
EXISTING ROAD SHOULDER	—

EXISTING ROAD C/L	—
TOE OF EXISTING DITCH	—
SIGN	—
POST	●
SANITARY CLEANOUT	—
EXISTING FENCE	—
EXISTING GATE	—
EXISTING BUILDING	—
TREED AREA	—
DECIDUOUS TREE	—
CONIFEROUS TREE	—
MATCH LINE	—

NOTES:

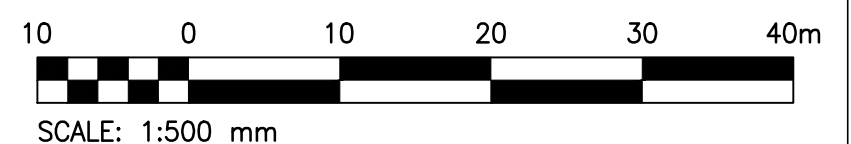
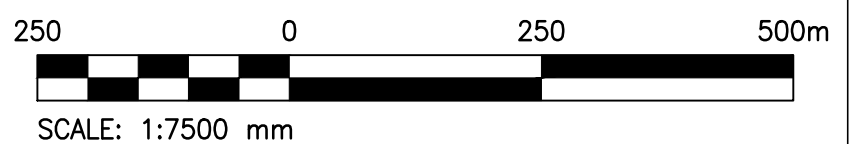
- EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307



EXISTING SITE PLAN – GOLF COURSE ROAD

SCALE: 1:500



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

REPUBLIC
ARCHITECTURE
INC

385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

Proj #: 18-0109-009

Permit to Practice
KGS GROUP
P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**

**WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATION PACKAGE**

Designed by
RKF

Drawn by
KNS

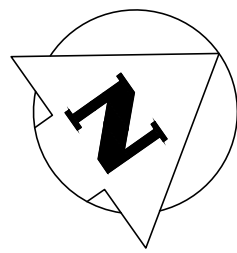
Approved by
RM

PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title

EXISTING SITE PLAN

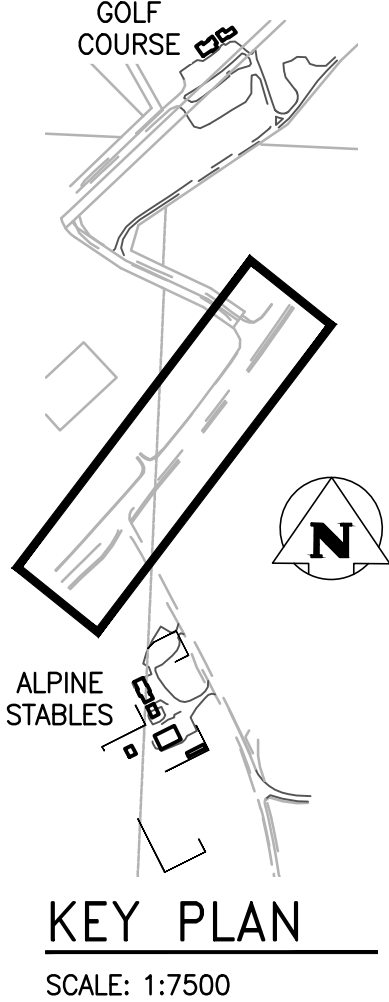
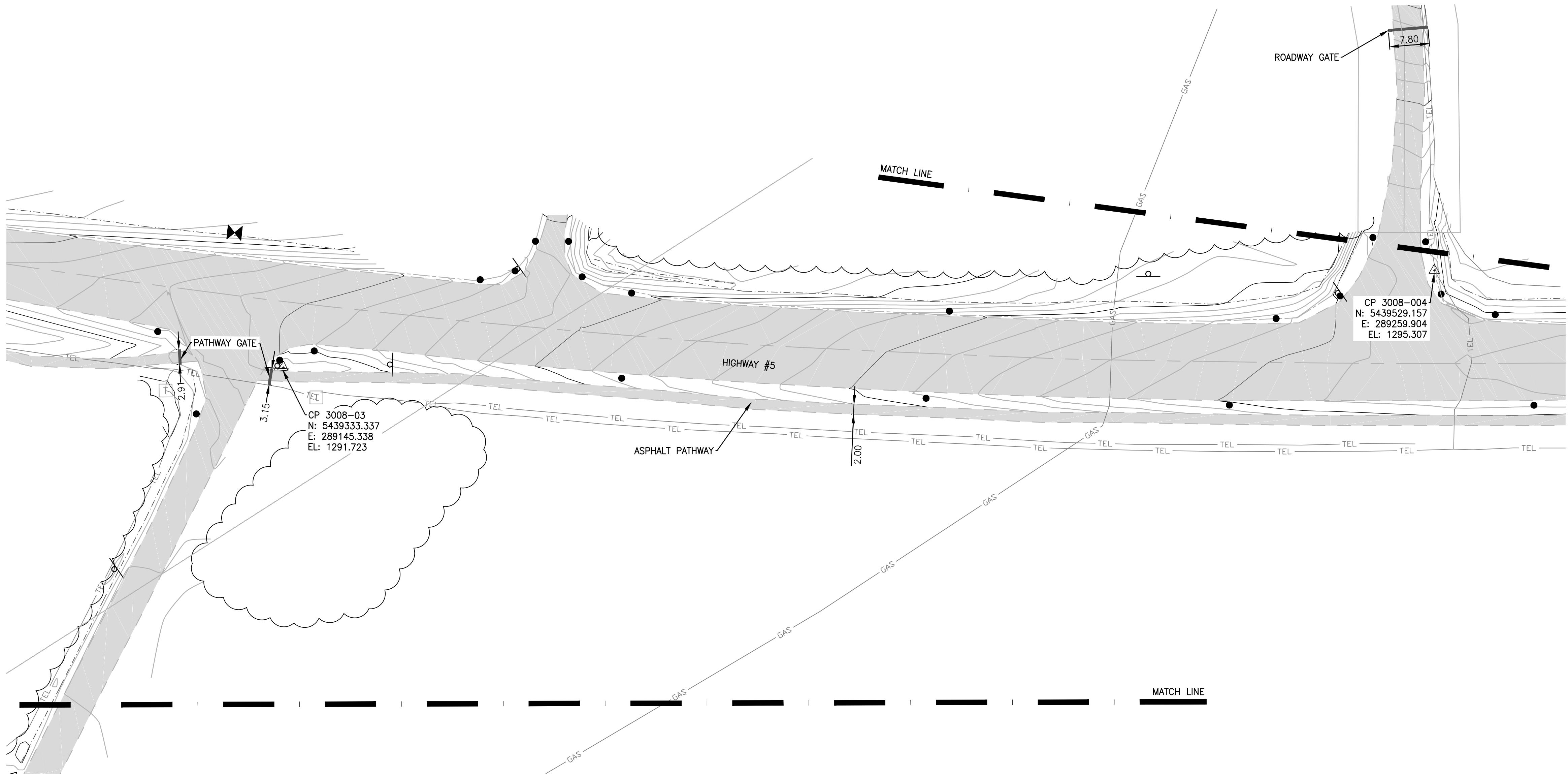
Project no.	Drawing no.	Revision no.
R.096286.001	C02 OF 11	3



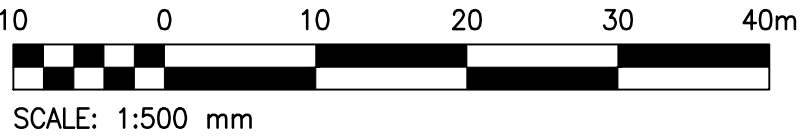
CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

NOTES:
1. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

LEGEND	
FIP	
CONTROL POINT	
U/G GAS LINE	
U/G TELUS LINE	
TELUS BOX	
EDGE OF EXISTING GRAVEL ROAD	
EDGE OF EXISTING PAVED ROAD	
EXISTING ROAD SHOULDER	
EXISTING ROAD C/L	
TOE OF EXISTING DITCH	
SIGN	
POST	
EXISTING GATE	
TREED AREA	
MATCH LINE	



**EXISTING SITE PLAN –
HIGHWAY 5**
SCALE: 1:500



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

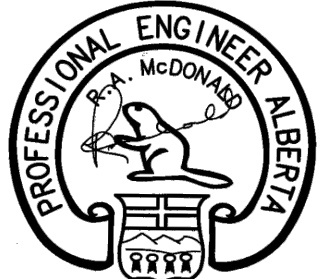
REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

REPUBLIC
ARCHITECTURE
INC

385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

KGS
GROUP
CONSULTING
ENGINEERS

Proj #: 18-0109-009



Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

**ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6**

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**

**WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATION PACKAGE**

Designed by
RKF

Drawn by
KNS

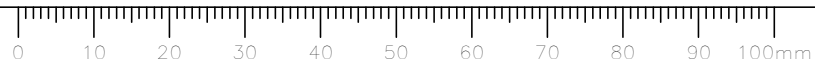
Approved by
RM

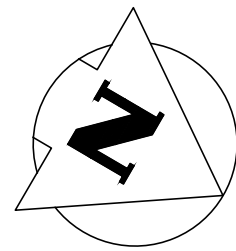
PWGSC Project Manager
MICHAEL LYZANIEWSKI

Drawing title

EXISTING SITE PLAN

Project no.	Drawing no.	Revision no.
R.096286.001	C03 OF 11	3

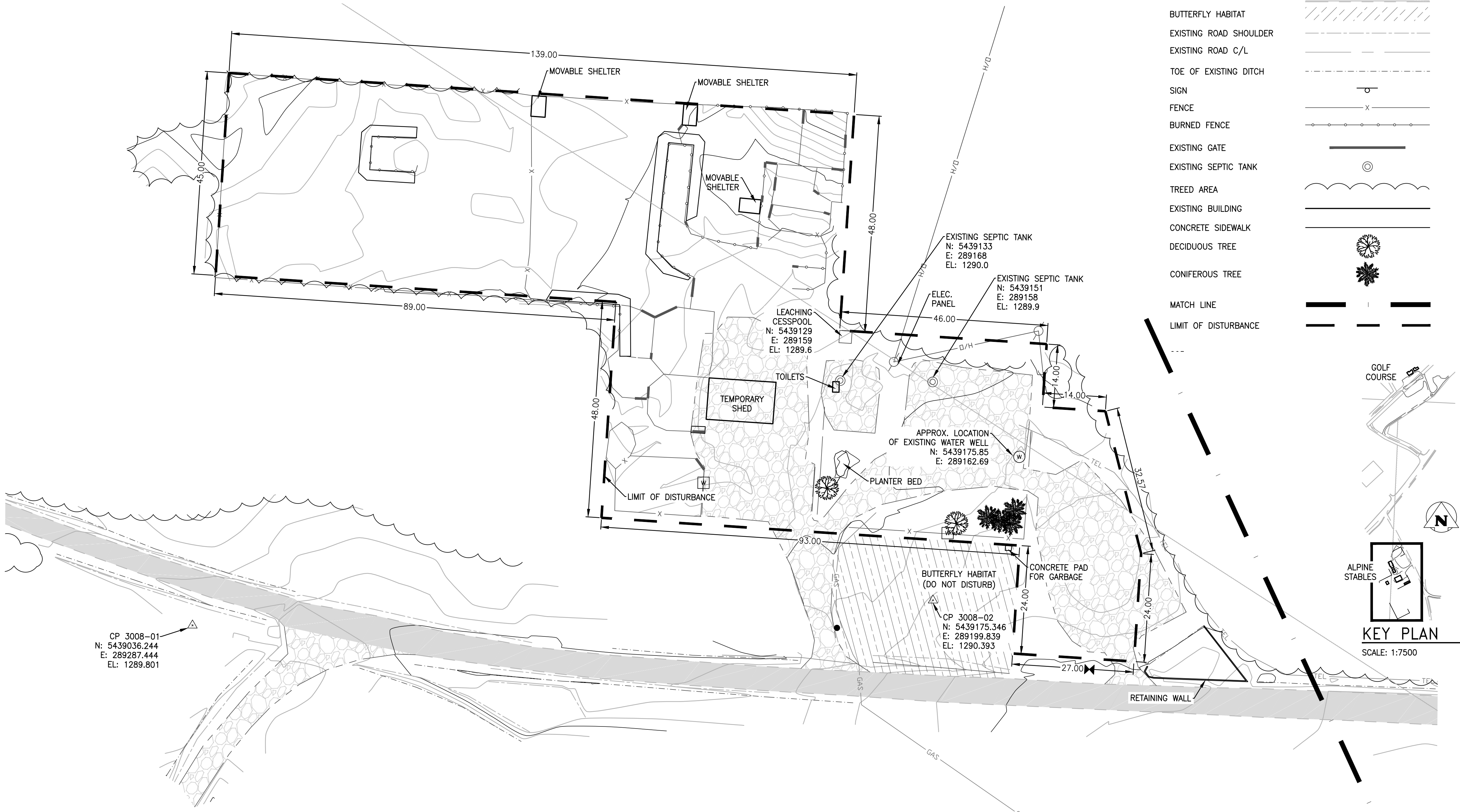




CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

- NOTES:**
1. GAS CONNECTION TO BE BROUGHT TO BUILDINGS BY CHIEF MOUNTAIN GAS AND COORDINATED WITH CONTRACTOR.
 2. EXISTING SITE SHOULD BE PROTECTED.
 3. EXISTING BUTTERFLY HABITAT IS NOT TO BE DISTURBED.
 4. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

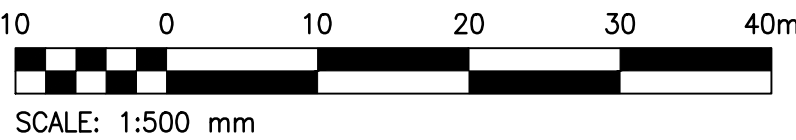
LEGEND	
FIP	
CONTROL POINT	
U/G GAS LINE	
U/G TELUS LINE	
EXISTING WATER TAP	
EXISTING WATER WELL	
POST	
EDGE OF EXISTING GRAVEL ROAD	
EDGE OF EXISTING PAVED ROAD	
BUTTERFLY HABITAT	
EXISTING ROAD SHOULDER	
EXISTING ROAD C/L	
TOE OF EXISTING DITCH	
SIGN	
FENCE	
BURNED FENCE	
EXISTING GATE	
EXISTING SEPTIC TANK	
TREED AREA	
EXISTING BUILDING	
CONCRETE SIDEWALK	
DECIDUOUS TREE	
CONIFEROUS TREE	
MATCH LINE	
LIMIT OF DISTURBANCE	



CP 3008-01
N: 5439036.244
E: 289287.444
EL: 1289.801

1
C04

EXISTING SITE PLAN –
ALPINE STABLES
SCALE: 1:500



REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

385 St. Mary Avenue

Winnipeg, MB R3C 0N1

T 204 989 0102

F 204 989 0094

www.republicarchitecture.ca

Proj #: 18-0109-009

Permit to Practice

KGS GROUP

P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA

WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATION PACKAGE

Designed by
RKf

Drawn by
KNS

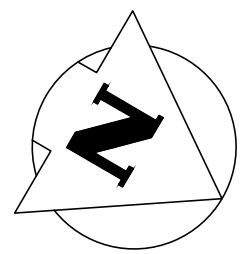
Approved by
RM

PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title

EXISTING SITE PLAN

Project no.	Drawing no.	Revision no.
R.096286.001	C04 OF 11	3

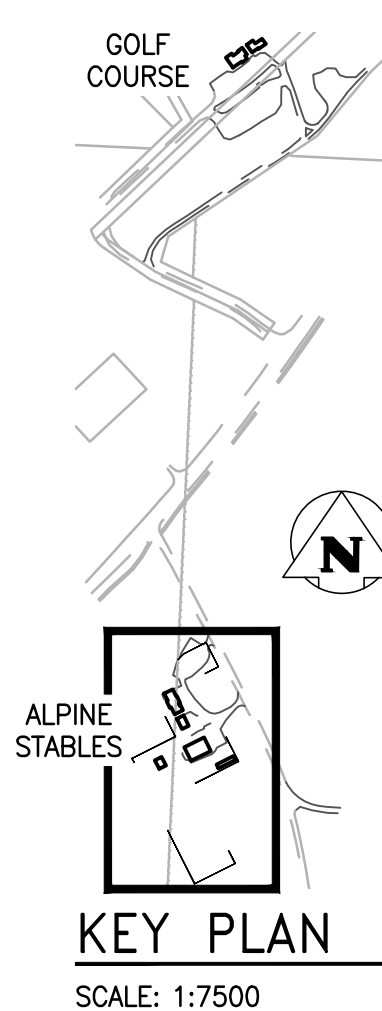
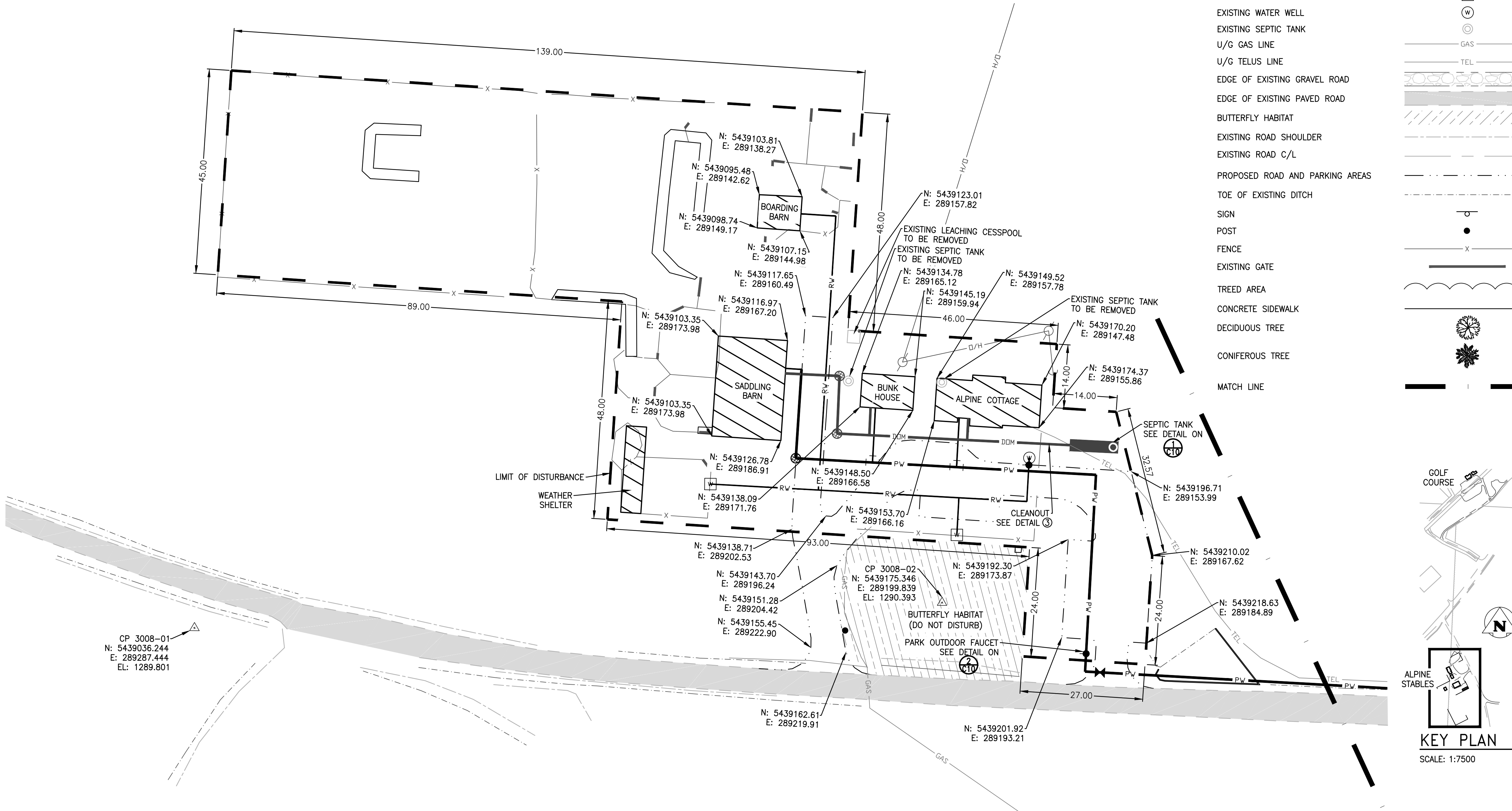


CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

- NOTES:**
1. GAS CONNECTION TO BE BROUGHT TO BUILDINGS BY CHIEF MOUNTAIN GAS AND COORDINATED WITH CONTRACTOR.
 2. EXISTING SITE SHOULD BE PROTECTED.
 3. EXISTING BUTTERFLY HABITAT IS NOT TO BE DISTURBED.
 4. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

LEGEND

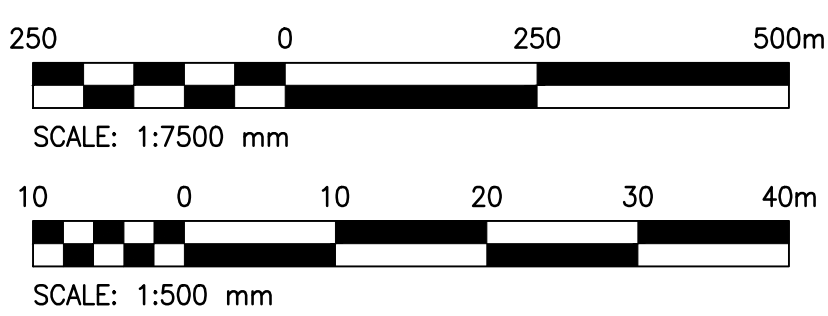
- FIP
- CONTROL POINT
- LIMIT OF DISTURBANCE
- PROPOSED BUILDING
- PROPOSED SANITARY SERVICE
- PROPOSED 50mm POTABLE WATER MAIN
- PROPOSED 25mm POTABLE WATER SERVICE
- PROPOSED 25mm WATER SERVICE FROM WELL
- PROPOSED SEWAGE HOLDING TANK
- PROPOSED MANHOLE
- PROPOSED PARK OUTDOOR FAUCET
- EXISTING WATER TAP
- EXISTING WATER WELL
- EXISTING SEPTIC TANK
- U/G GAS LINE
- U/G TELUS LINE
- EDGE OF EXISTING GRAVEL ROAD
- EDGE OF EXISTING PAVED ROAD
- BUTTERFLY HABITAT
- EXISTING ROAD SHOULDER
- EXISTING ROAD C/L
- PROPOSED ROAD AND PARKING AREAS
- TOE OF EXISTING DITCH
- SIGN
- POST
- FENCE
- EXISTING GATE
- TREED AREA
- CONCRETE SIDEWALK
- DECIDUOUS TREE
- CONIFEROUS TREE
- MATCH LINE



1
C05

PROPOSED SITE PLAN – ALPINE STABLES

SCALE: 1:500





Public Works and Government Services Canada



Travaux publics et Services gouvernementaux Canada

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

REPUBLIC ARCHITECTURE INC

385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca



Proj #: 18-0109-009



Permit to Practice
KGS GROUP
P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA

WLNP ALPINE STABLES RECONSTRUCTION FOUNDATION PACKAGE

Designed by
RKF

Drawn by
KNS

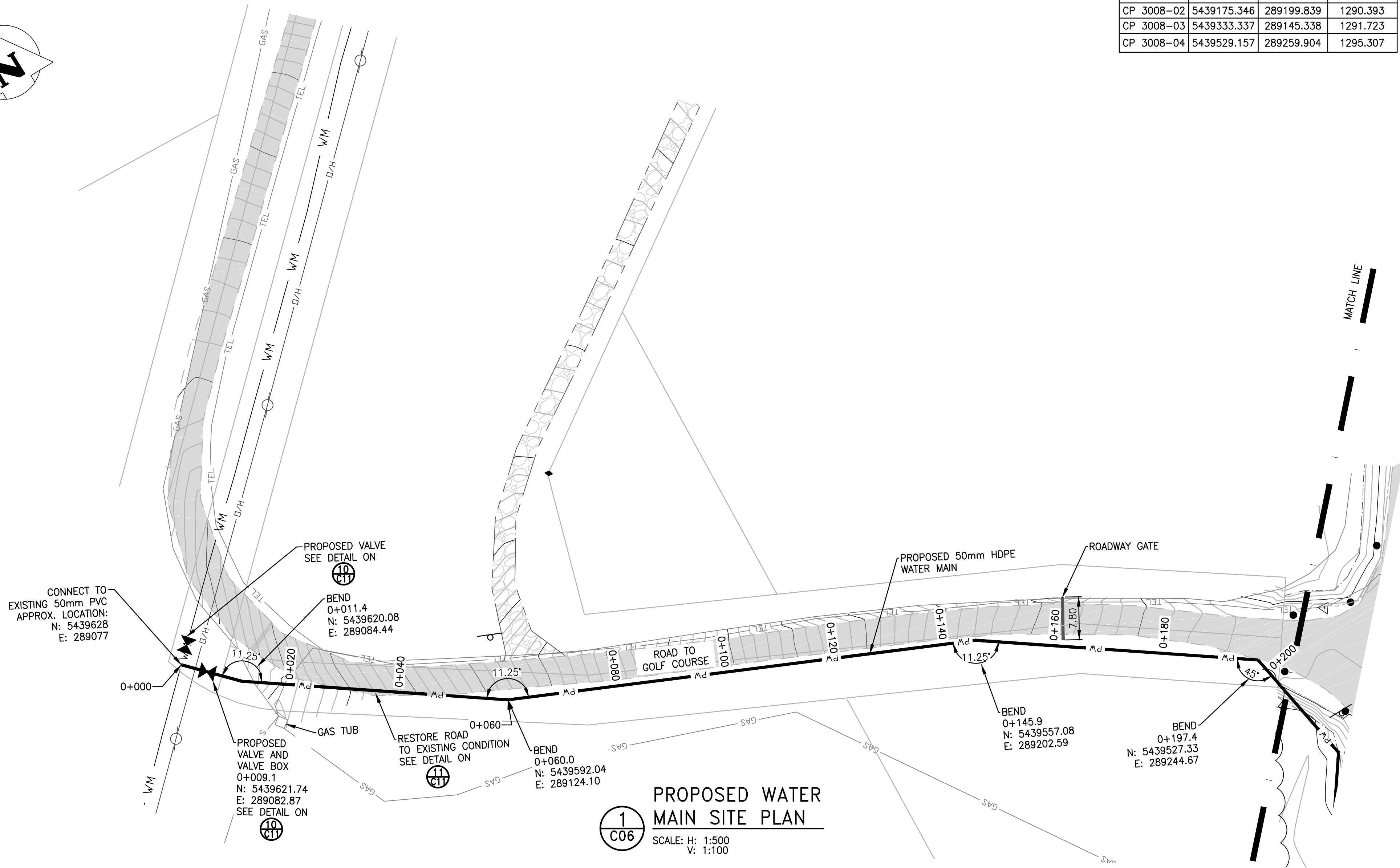
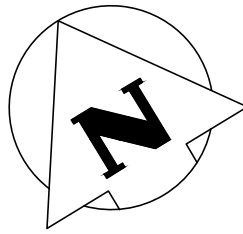
Approved by
RM

PWGSC Project Manager
MICHAEL LYZANIWSKI

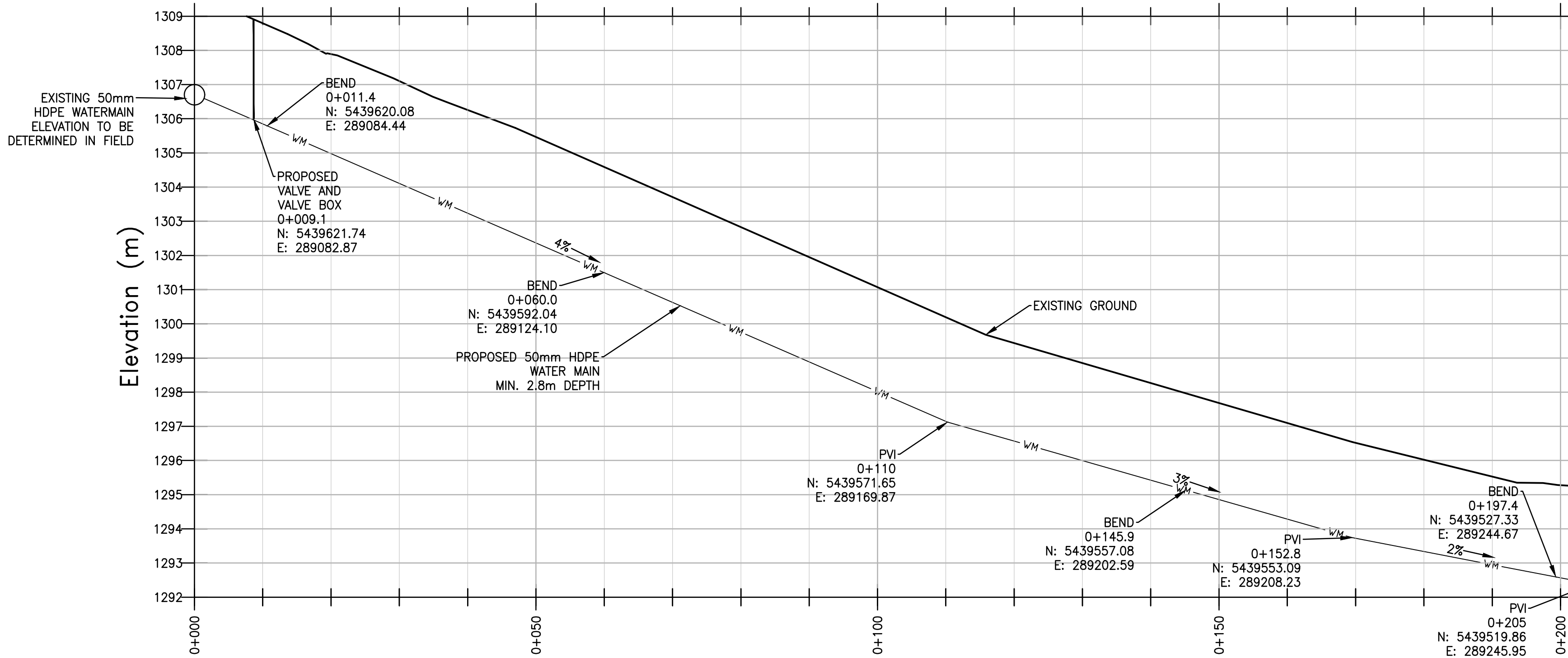
Drawing title

PROPOSED SITE PLAN

Project no.	Drawing no.	Revision no.
R.096286.001	C05 OF 11	3



1
C06
PROPOSED WATER MAIN SITE PLAN
SCALE: H: 1:500
V: 1:100



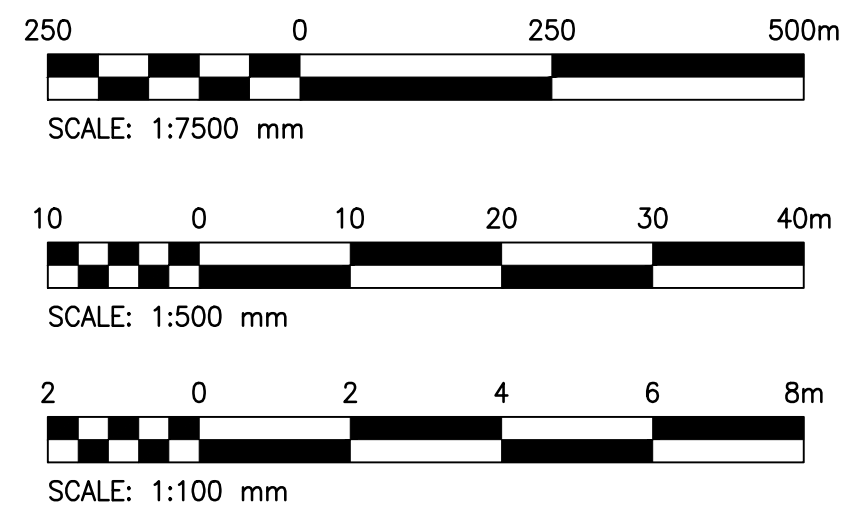
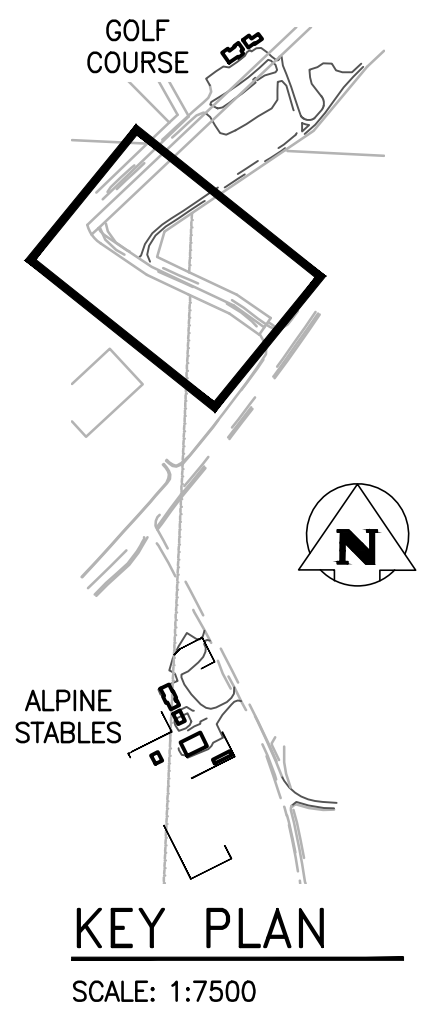
2
C06
PROFILE VIEW OF PROPOSED WATER MAIN
SCALE: H: 1:500
V: 1:100

CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

- NOTES:**
1. WATER MAIN WILL BE 50mm HDPE AND WILL BE BURIED AT A MINIMUM DEPTH OF 2.8m.
 2. EXISTING SITE SHOULD BE PROTECTED.
 3. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

LEGEND

FIP	
CONTROL POINT	
PROPOSED 50mm POTABLE WATER MAIN	
PROPOSED VALVE	
EXISTING WATER MAIN	
POWER POLE	
O/H POWER LINE	
U/G POWER LINE	
U/G GAS LINE	
U/G TELUS LINE	
TELUS BOX	
EDGE OF EXISTING GRAVEL ROAD	
EDGE OF EXISTING PAVED ROAD	
EXISTING ROAD SHOULDER	
EXISTING ROAD C/L	
TOE OF EXISTING DITCH	
SIGN	
POST	
EXISTING FENCE	
EXISTING GATE	
TREED AREA	
DECIDUOUS TREE	
CONIFEROUS TREE	
MATCH LINE	



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

REPUBLIC ARCHITECTURE INC
385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

KGS GROUP CONSULTING ENGINEERS
Proj #: 18-0109-009

Permit to Practice
KGS GROUP
P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client
PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title
**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**

**WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATION PACKAGE**

Designed by
RKF

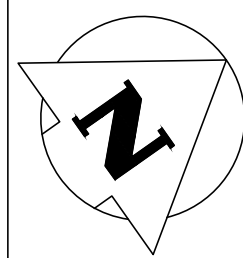
Drawn by
KNS

Approved by
RM

PWGSC Project Manager
MICHAEL LYZANIEWSKI

Drawing title
PROPOSED WATER SERVICE

Project no.	Drawing no.	Revision no.
R.096286.001	C06 OF 11	3



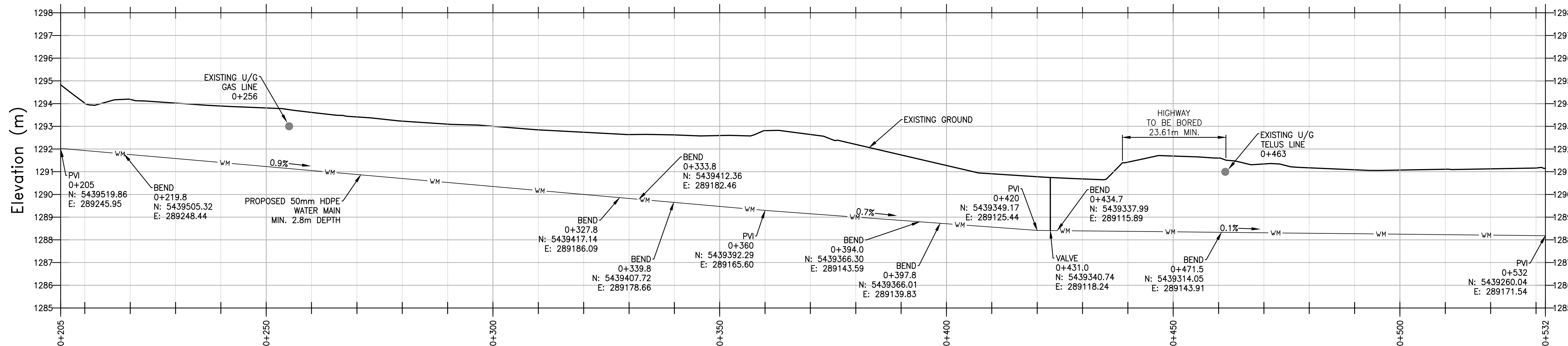
LEGEND

FIP	◆	EDGE OF EXISTING PAVED ROAD	
CONTROL POINT	△	EXISTING ROAD SHOULDER	
PROPOSED WATER SERVICE	— PW —	EXISTING ROAD C/L	
PROPOSED VALVE	⋈	TOE OF EXISTING DITCH	
U/G GAS LINE	— GAS —	SIGN	
U/G TELUS LINE	— TEL —	EXISTING FENCE	
TELUS BOX	⌈ ⌋	EXISTING GATE	
POST	●	TREED AREA	
EDGE OF EXISTING GRAVEL ROAD		MATCH LINE	

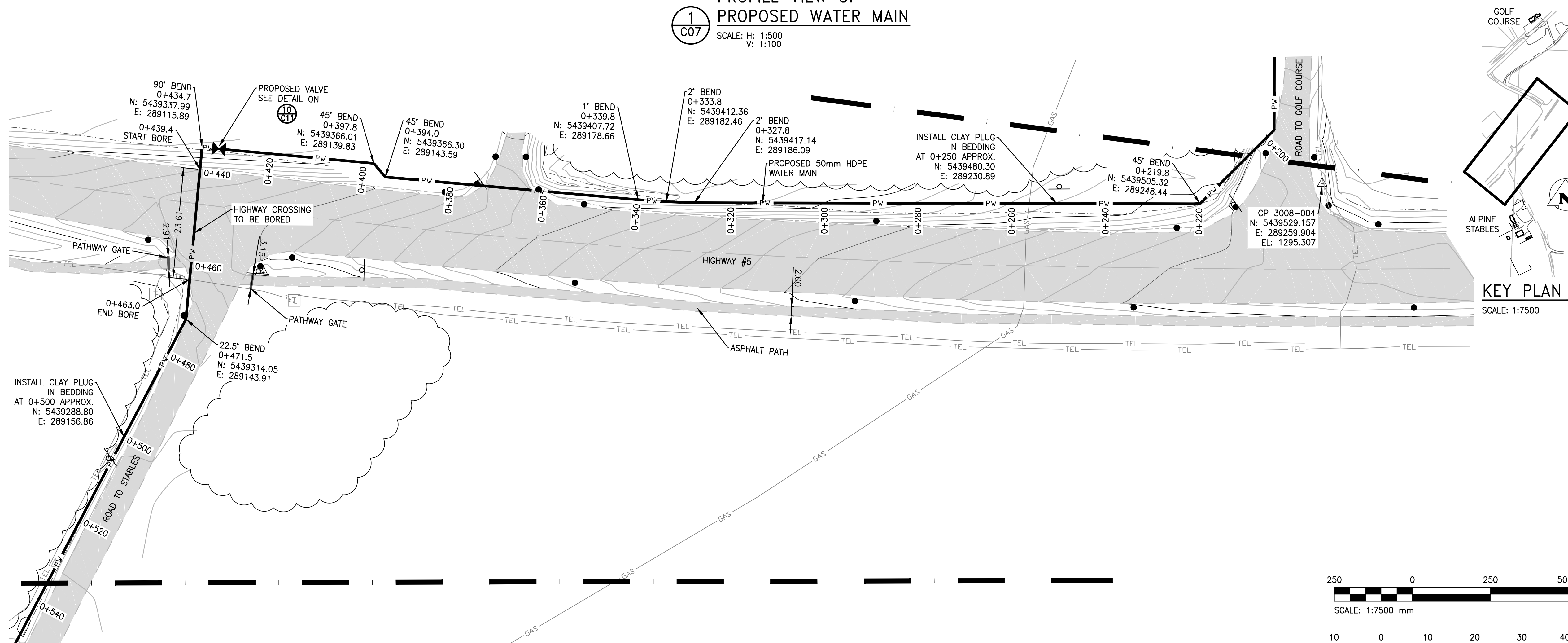
NOTES:

1. WATER MAIN WILL BE 50mm HDPE AND WILL BE BURIED AT A MINIMUM DEPTH OF 2.8m.
2. EXISTING SITE SHOULD BE PROTECTED.
3. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

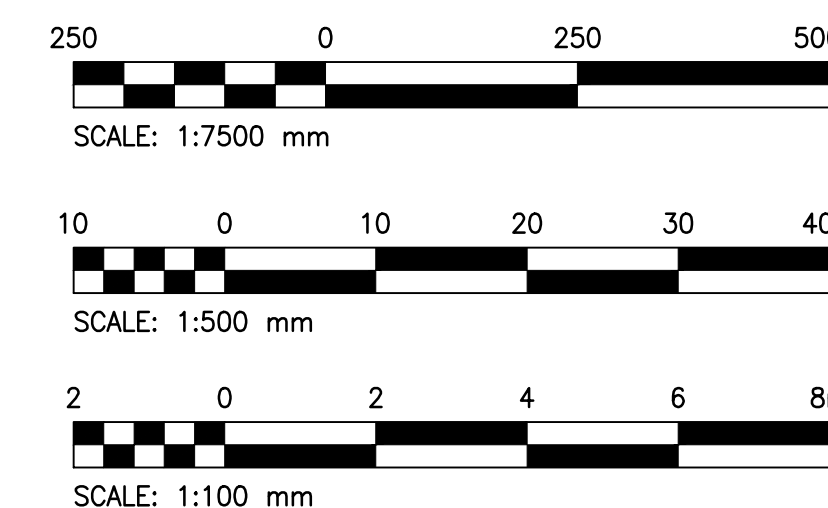


1
C07
PROFILE VIEW OF
PROPOSED WATER MAIN
SCALE: H: 1:500
V: 1:100



KEY PLAN
SCALE: 1:7500

2
C07
PROPOSED WATER
MAIN SITE PLAN
SCALE: H: 1:500
V: 1:100



Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client
PWGSC/TPSGC
ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

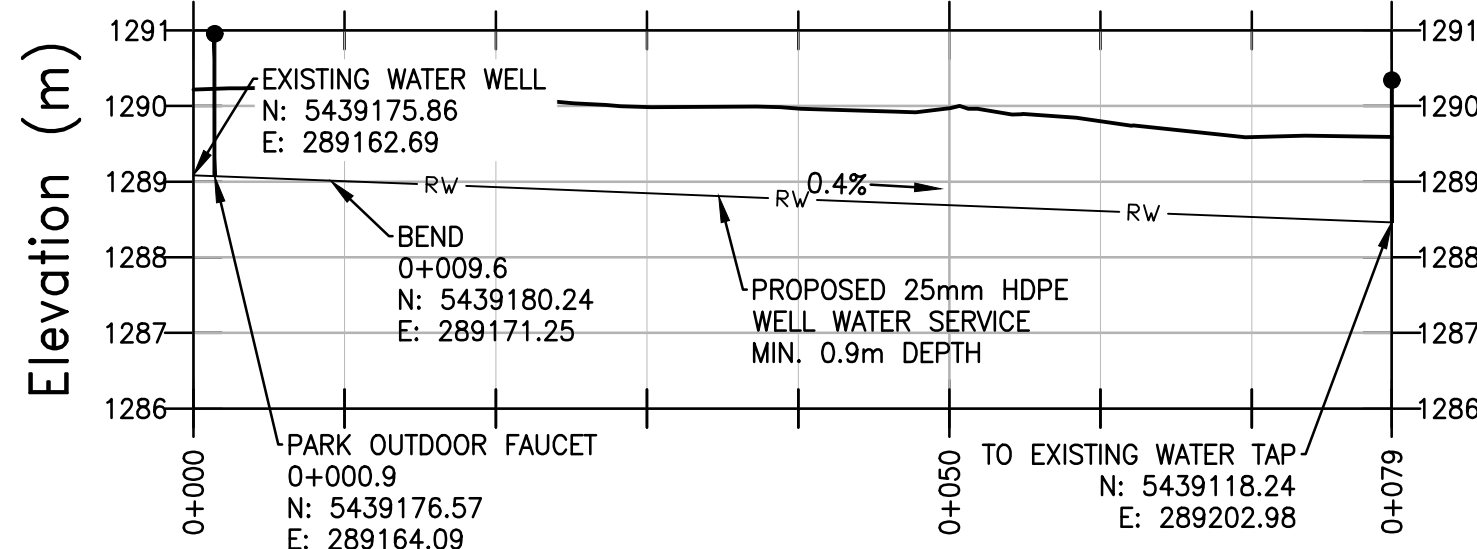
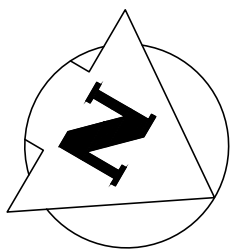
Project title
**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**
**WLNP ALPINE STABLES
RECONSTRUCTION
FOUNDATION PACKAGE**

Designed by
RKF
Drawn by
KNS
Approved by
RM
PWGSC Project Manager
MICHAEL LYZANIWSKI

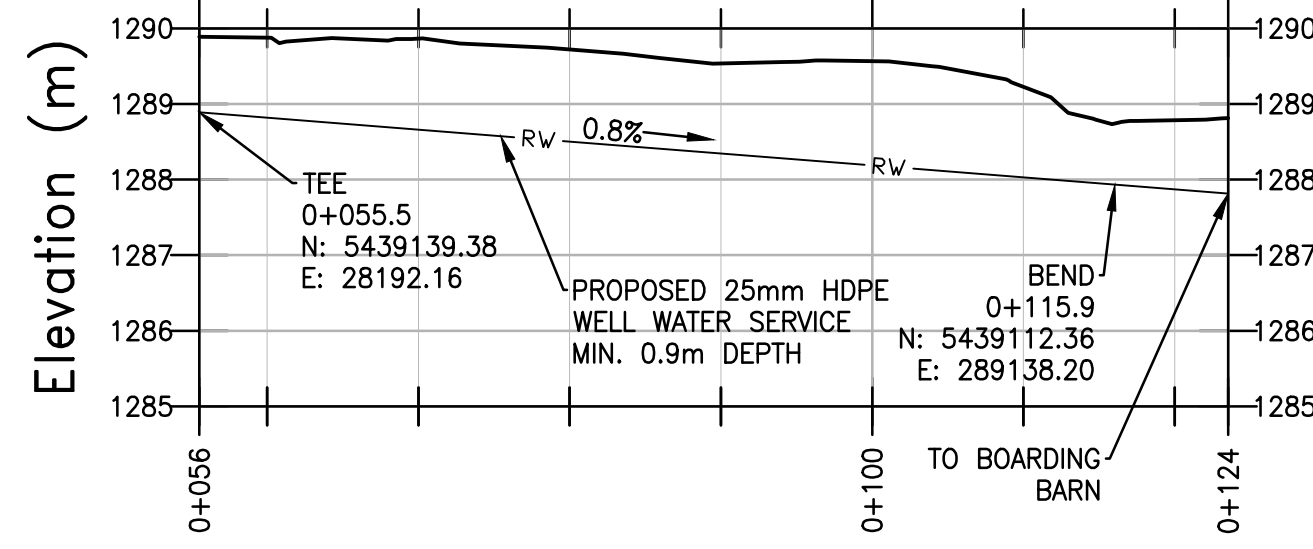
Drawing title
PROPOSED WATER SERVICE

Project no.	Drawing no.	Revision no.
R.096286.001	C07 OF 11	3

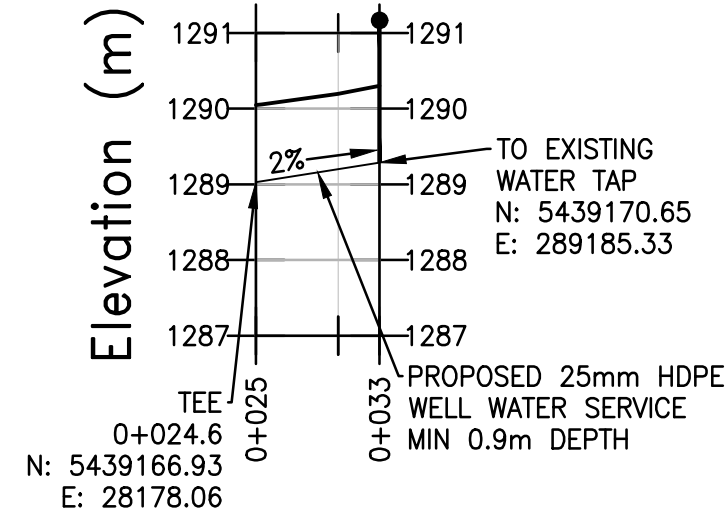
CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307



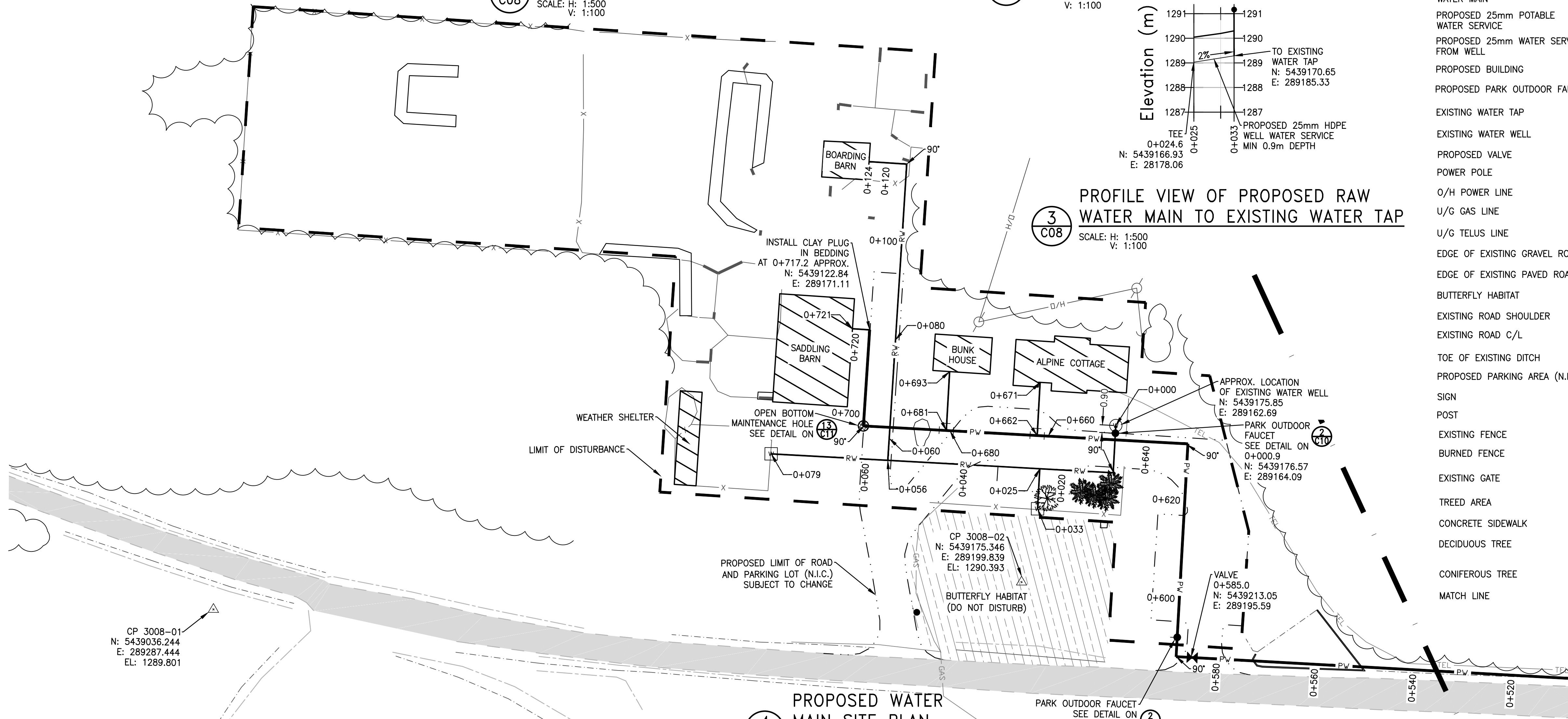
1
C08
PROFILE VIEW OF PROPOSED RAW WATER SERVICE TO EXISTING WATER TAP
SCALE: H: 1:500
V: 1:100



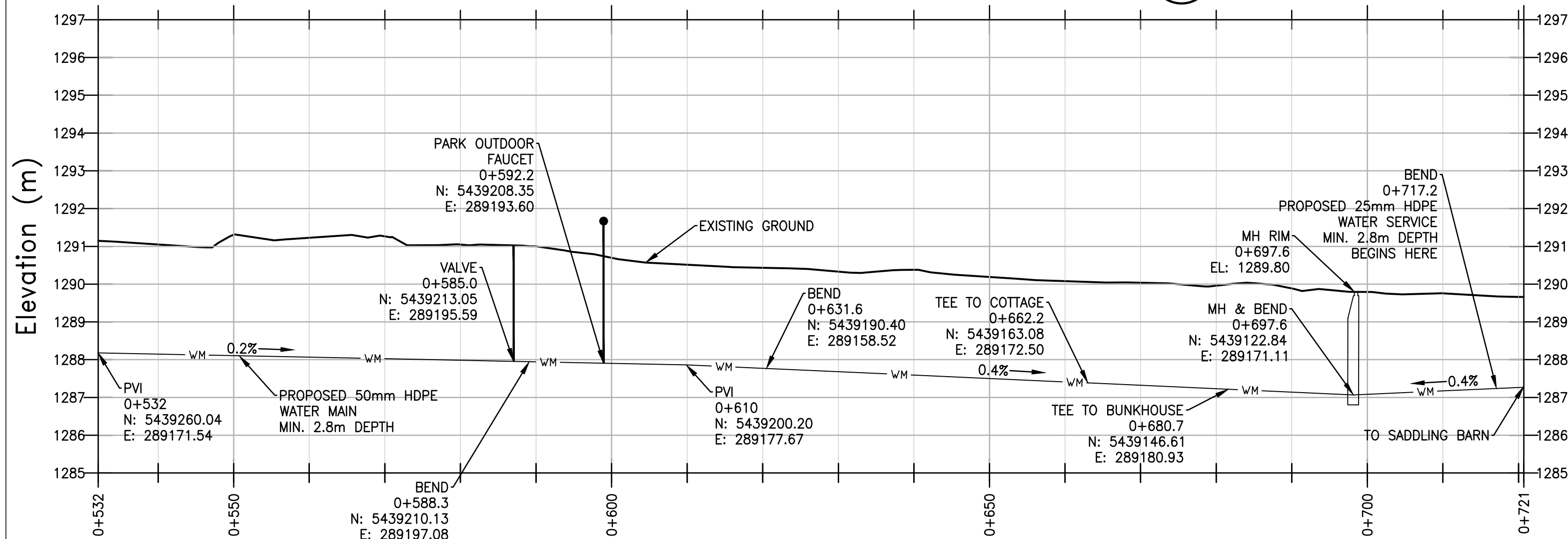
2
C08
PROFILE VIEW OF PROPOSED RAW WATER MAIN TO BOARDING BARN
SCALE: H: 1:500
V: 1:100



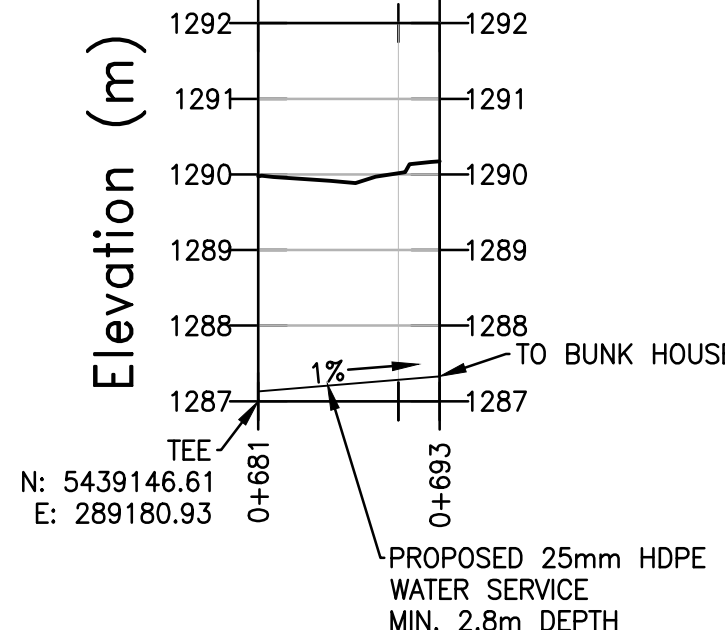
3
C08
PROFILE VIEW OF PROPOSED RAW WATER MAIN TO EXISTING WATER TAP
SCALE: H: 1:500
V: 1:100



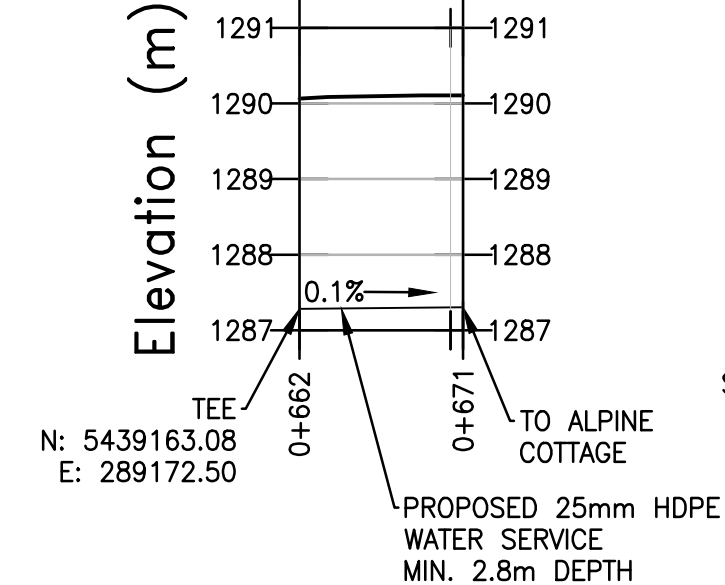
4
C08
PROPOSED WATER MAIN SITE PLAN
SCALE: 1:500



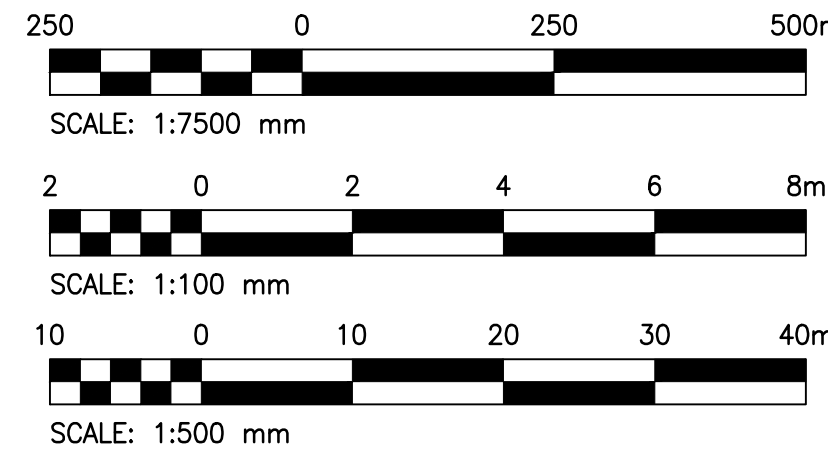
5
C08
PROFILE VIEW OF PROPOSED WATER MAIN TO SADDLING BARN
SCALE: H: 1:500
V: 1:100



6
C08
PROFILE VIEW OF PROPOSED WATER SERVICE TO BUNK HOUSE
SCALE: H: 1:500
V: 1:100



7
C08
PROFILE VIEW OF PROPOSED WATER SERVICE TO ALPINE COTTAGE
SCALE: H: 1:500
V: 1:100



- NOTES:**
1. PROPOSED WATER MAIN WILL BE 50mm HDPE AND WILL BE BURIED AT A MINIMUM DEPTH OF 2.8m
 2. PROPOSED WATER SERVICES WILL BE 25mm HDPE AND WILL BE BURIED AT A MINIMUM DEPTH OF 2.8m
 3. PROPOSED WATER SERVICES FROM EXISTING WELL WILL BE 25mm HDPE AND WILL BE BURIED AT A MINIMUM DEPTH OF 0.9m
 4. EXISTING SITE SHOULD BE PROTECTED.
 5. EXISTING BUTTERFLY HABITAT IS NOT TO BE DISTURBED.
 6. GAS CONNECTION TO BE BROUGHT TO BUILDINGS BY CHIEF MOUNTAIN GAS AND COORDINATED WITH CONTRACTOR.
 7. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

- LEGEND**
- FIP
 - CONTROL POINT
 - PROPOSED 50mm POTABLE WATER MAIN
 - PROPOSED 25mm POTABLE WATER SERVICE
 - PROPOSED 25mm WATER SERVICE FROM WELL
 - PROPOSED BUILDING
 - PROPOSED PARK OUTDOOR FAUCET
 - EXISTING WATER TAP
 - EXISTING WATER WELL
 - PROPOSED VALVE
 - POWER POLE
 - O/H POWER LINE
 - U/G GAS LINE
 - U/G TELUS LINE
 - EDGE OF EXISTING GRAVEL ROAD
 - EDGE OF EXISTING PAVED ROAD
 - BUTTERFLY HABITAT
 - EXISTING ROAD SHOULDER
 - EXISTING ROAD C/L
 - TOE OF EXISTING DITCH
 - PROPOSED PARKING AREA (N.I.C.)
 - SIGN
 - POST
 - EXISTING FENCE
 - BURNED FENCE
 - EXISTING GATE
 - TREED AREA
 - CONCRETE SIDEWALK
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - MATCH LINE

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

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

REPUBLIC ARCHITECTURE INC
385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

KGS GROUP
CONSULTING ENGINEERS
Proj #: 18-0109-009

PROFESSIONAL ENGINEER ALBERTA
R. A. McDOUGALL
Permit to Practice
KGS GROUP
P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

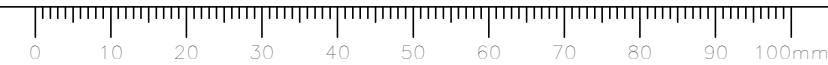
Project title
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA

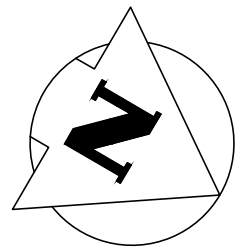
WLNP ALPINE STABLES RECONSTRUCTION FOUNDATION PACKAGE

Designed by
RKF
Drawn by
KNS
Approved by
RM
PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title
PROPOSED WATER SERVICE

Project no.	Drawing no.	Revision no.
R.096286.001	C08	3

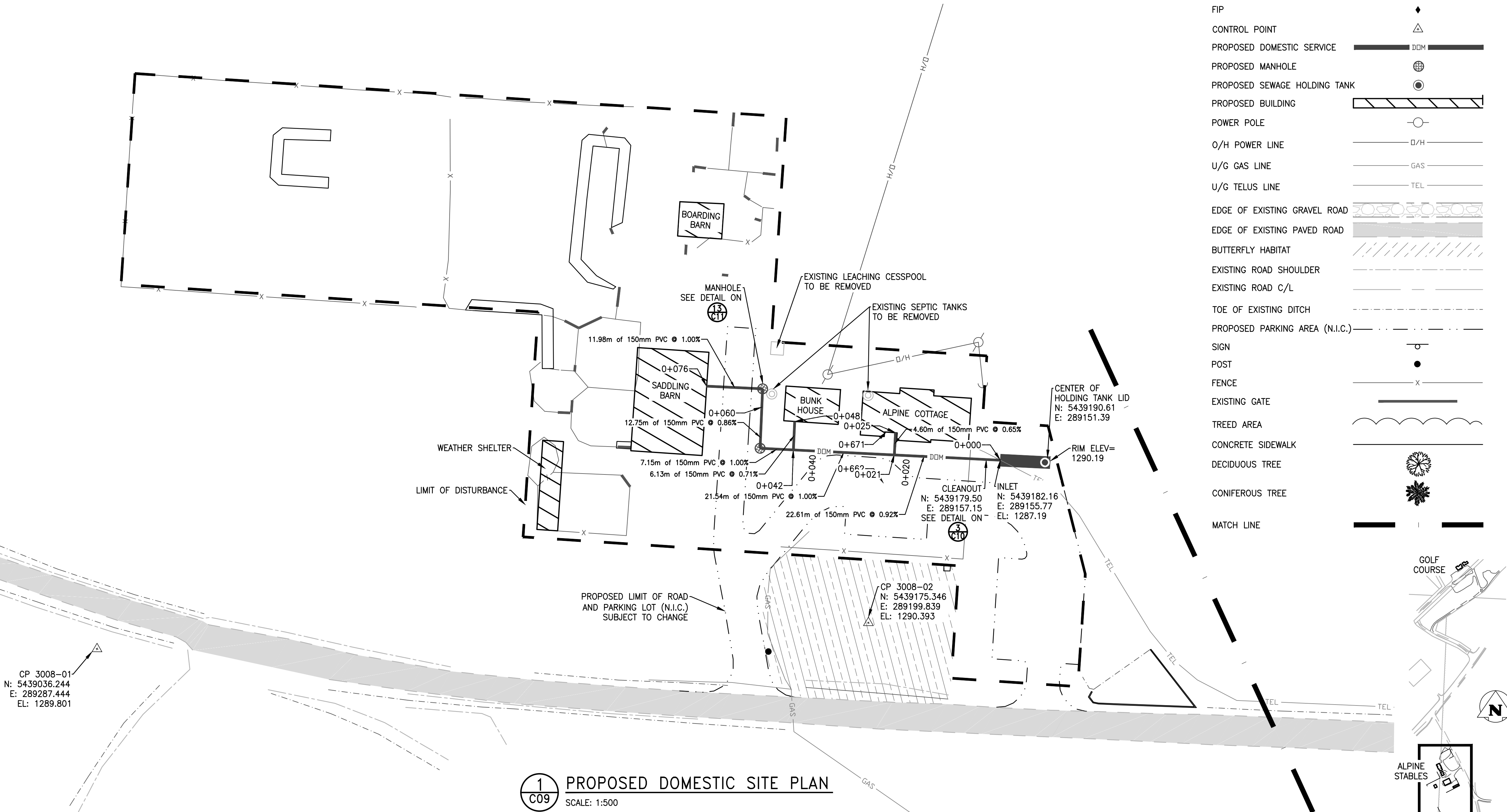




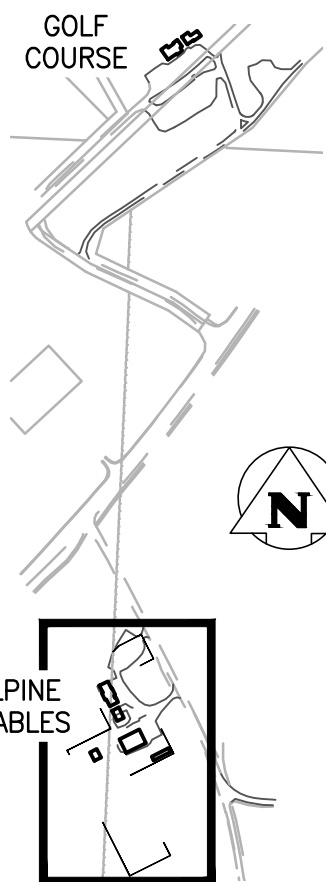
CONTROL POINTS			
NAME	NORTHING	EASTING	ELEVATION
CP 3008-01	5439036.244	289287.444	1289.801
CP 3008-02	5439175.346	289199.839	1290.393
CP 3008-03	5439333.337	289145.338	1291.723
CP 3008-04	5439529.157	289259.904	1295.307

- NOTES:**
1. EXISTING SANITARY INFRASTRUCTURE (2 SEPTIC TANKS AND LEACHING CESSPOOL) TO BE DECOMMISSIONED
 2. PROPOSED SEPTIC TANK TO BE BURIED 3.0m DEEP
 3. EXISTING SITE SHOULD BE PROTECTED.
 4. EXISTING BUTTERFLY HABITAT IS BOUNDED BY EXISTING ROAD AND NOT TO BE DISTURBED.
 5. GAS CONNECTION TO BE BROUGHT TO BUILDINGS BY CHIEF MOUNTAIN GAS AND COORDINATED WITH CONTRACTOR.
 6. EXISTING INFRASTRUCTURE IS APPROXIMATE AND SHOULD BE LOCATED PRIOR TO CONSTRUCTION.

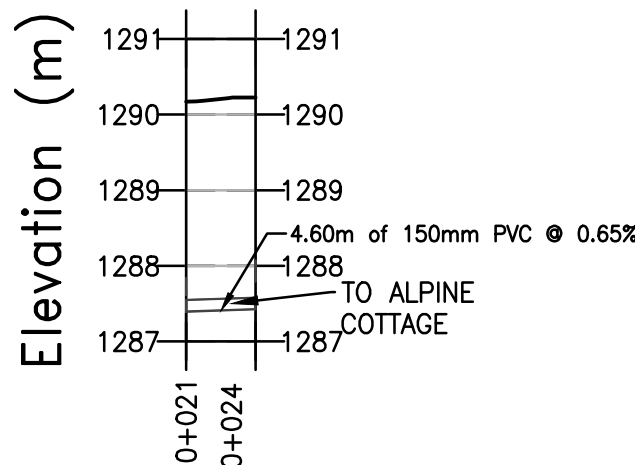
LEGEND	
FIP	
CONTROL POINT	
PROPOSED DOMESTIC SERVICE	
PROPOSED MANHOLE	
PROPOSED SEWAGE HOLDING TANK	
PROPOSED BUILDING	
POWER POLE	
O/H POWER LINE	
U/G GAS LINE	
U/G TELUS LINE	
EDGE OF EXISTING GRAVEL ROAD	
EDGE OF EXISTING PAVED ROAD	
BUTTERFLY HABITAT	
EXISTING ROAD SHOULDER	
EXISTING ROAD C/L	
TOE OF EXISTING DITCH	
PROPOSED PARKING AREA (N.I.C.)	
SIGN	
POST	
FENCE	
EXISTING GATE	
TREED AREA	
CONCRETE SIDEWALK	
DECIDUOUS TREE	
CONIFEROUS TREE	
MATCH LINE	



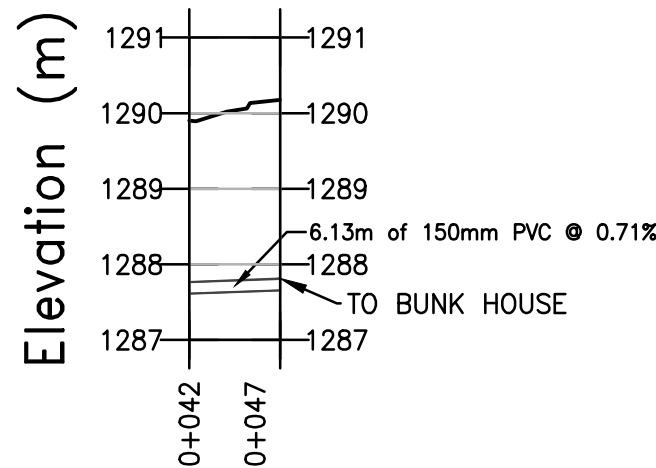
1
C09 PROPOSED DOMESTIC SITE PLAN
SCALE: 1:500



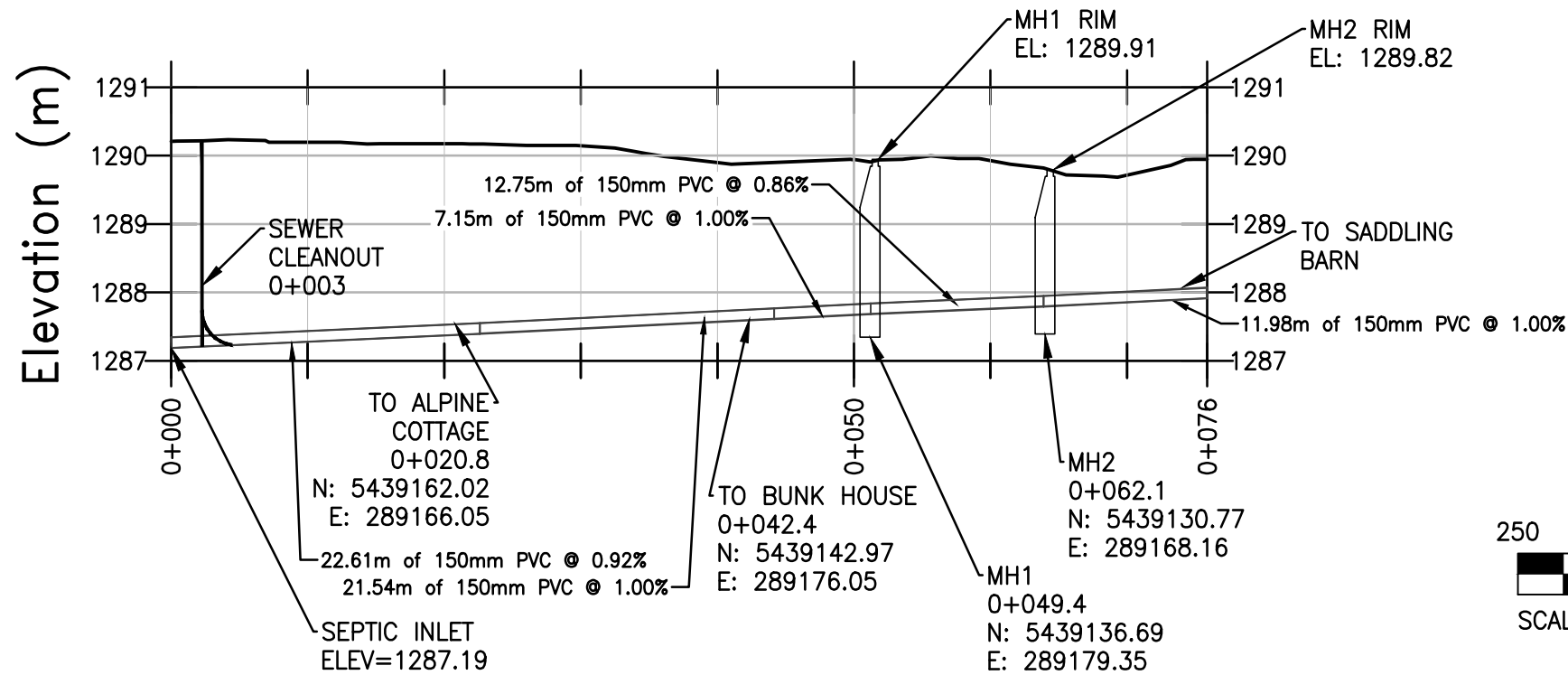
KEY PLAN
SCALE: 1:7500



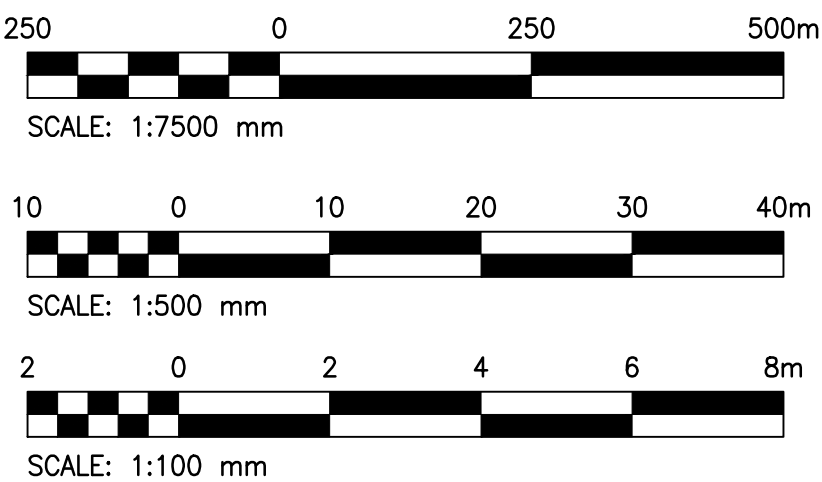
2
C09 PROFILE VIEW OF PROPOSED DOMESTIC SERVICE TO ALPINE COTTAGE
SCALE: H: 1:500
V: 1:100



3
C09 PROFILE VIEW OF PROPOSED DOMESTIC SERVICE TO BUNK HOUSE
SCALE: H: 1:500
V: 1:100



4
C09 PROFILE VIEW OF PROPOSED DOMESTIC SERVICE TO SADDLING BARN
SCALE: H: 1:500
V: 1:100



Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

REPUBLIC ARCHITECTURE INC

385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

KGS GROUP
CONSULTING ENGINEERS

Proj #: 18-0109-009

Permit to Practice
KGS GROUP
P07205

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA

WLNP ALPINE STABLES RECONSTRUCTION FOUNDATION PACKAGE

Designed by
RKF

Drawn by
KNS

Approved by
RM

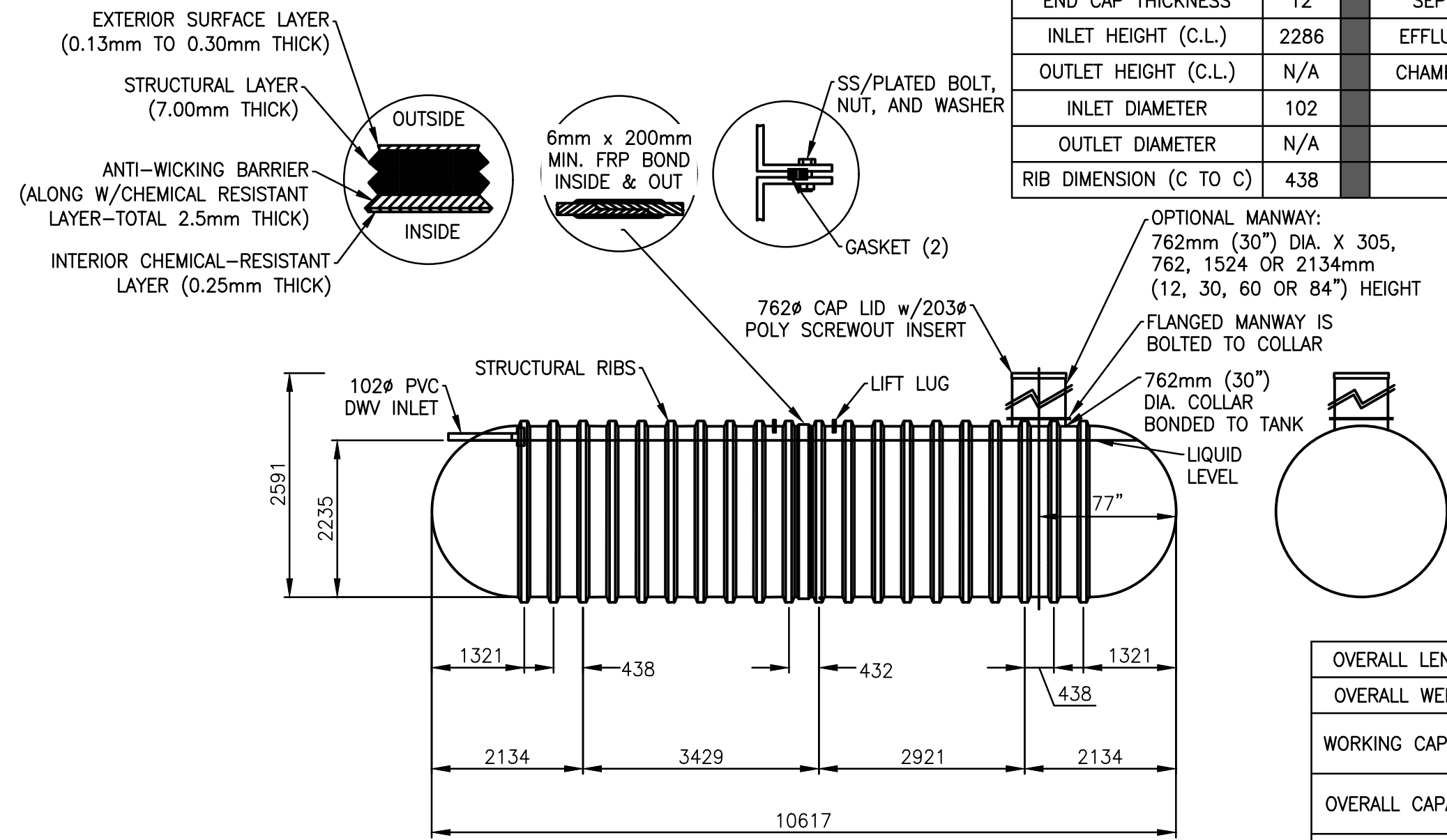
PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title

PROPOSED DOMESTIC SERVICE

Project no.	Drawing no.	Revision no.
R.096286.001	C09	3
OF 11		

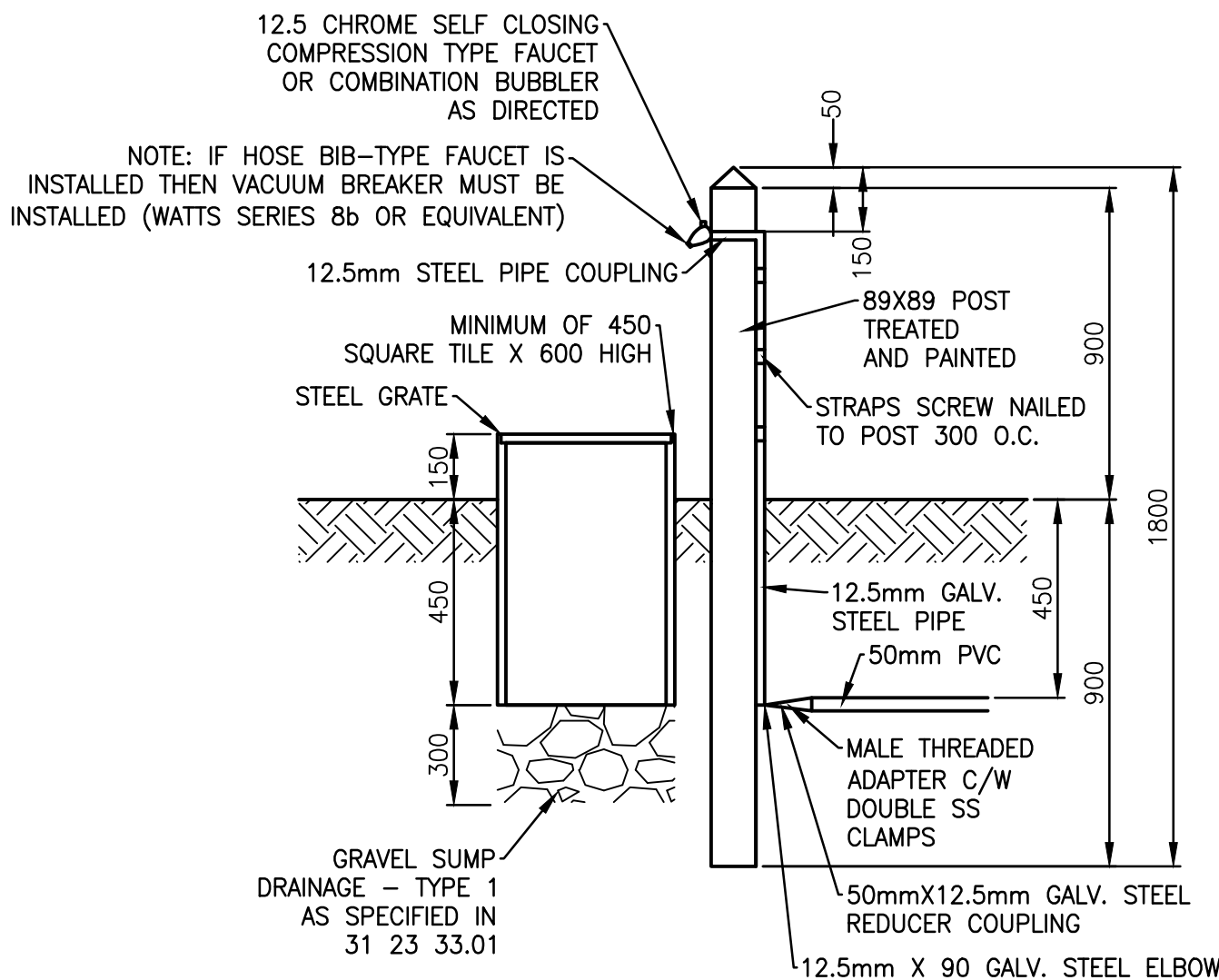




1 B10000S FIBREGLASS SEWAGE HOLDING TANK
SCALE: NTS

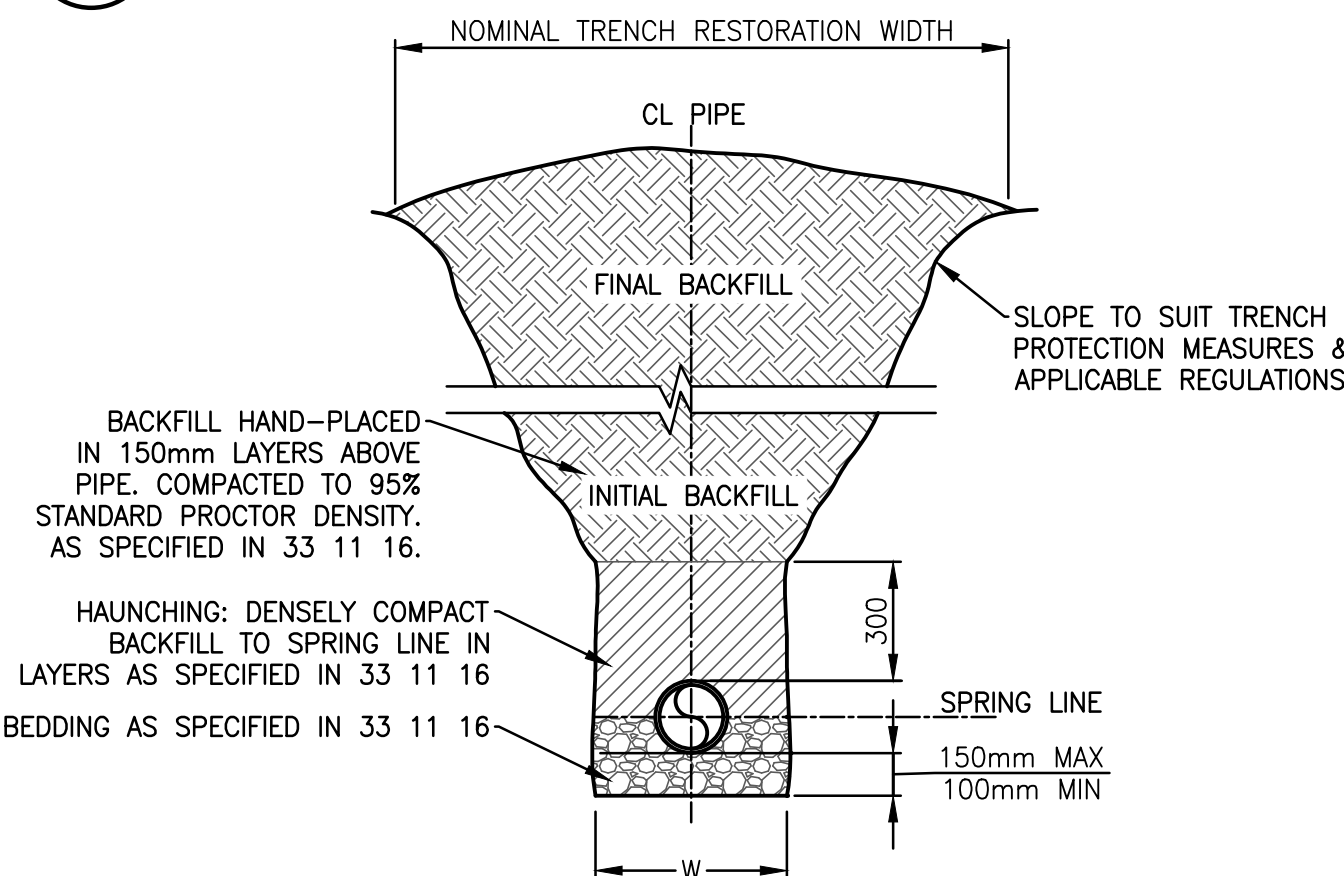
SPECIFICATIONS			
CYLINDER THICKNESS	9.5	LIQUID DEPTH (HOLDING TANK)	2235
END CAP THICKNESS	12	SEPTIC CHAMBER DEPTH	N/A
INLET HEIGHT (C.L.)	2286	EFFLUENT CHAMBER DEPTH	N/A
OUTLET HEIGHT (C.L.)	N/A	CHAMBER WALL DIMENSIONS	N/A
INLET DIAMETER	102	HEIGHT	N/A
OUTLET DIAMETER	N/A	THICKNESS	N/A
RIB DIMENSION (C TO C)	438	OPENING DIAMETER	N/A

OVERALL LENGTH	APPROX. 10,617mm (34'10")
OVERALL WEIGHT	APPROX. 1,746 kg (3,850 lbs)
WORKING CAPACITY	APPROX. 44,100L (9,700 Imp Gal, 11,640 US Gal)
OVERALL CAPACITY	APPROX. 45,770L (10,068 Imp Gal, 12,082 US Gal)
BURIAL DEPTH	3.0m

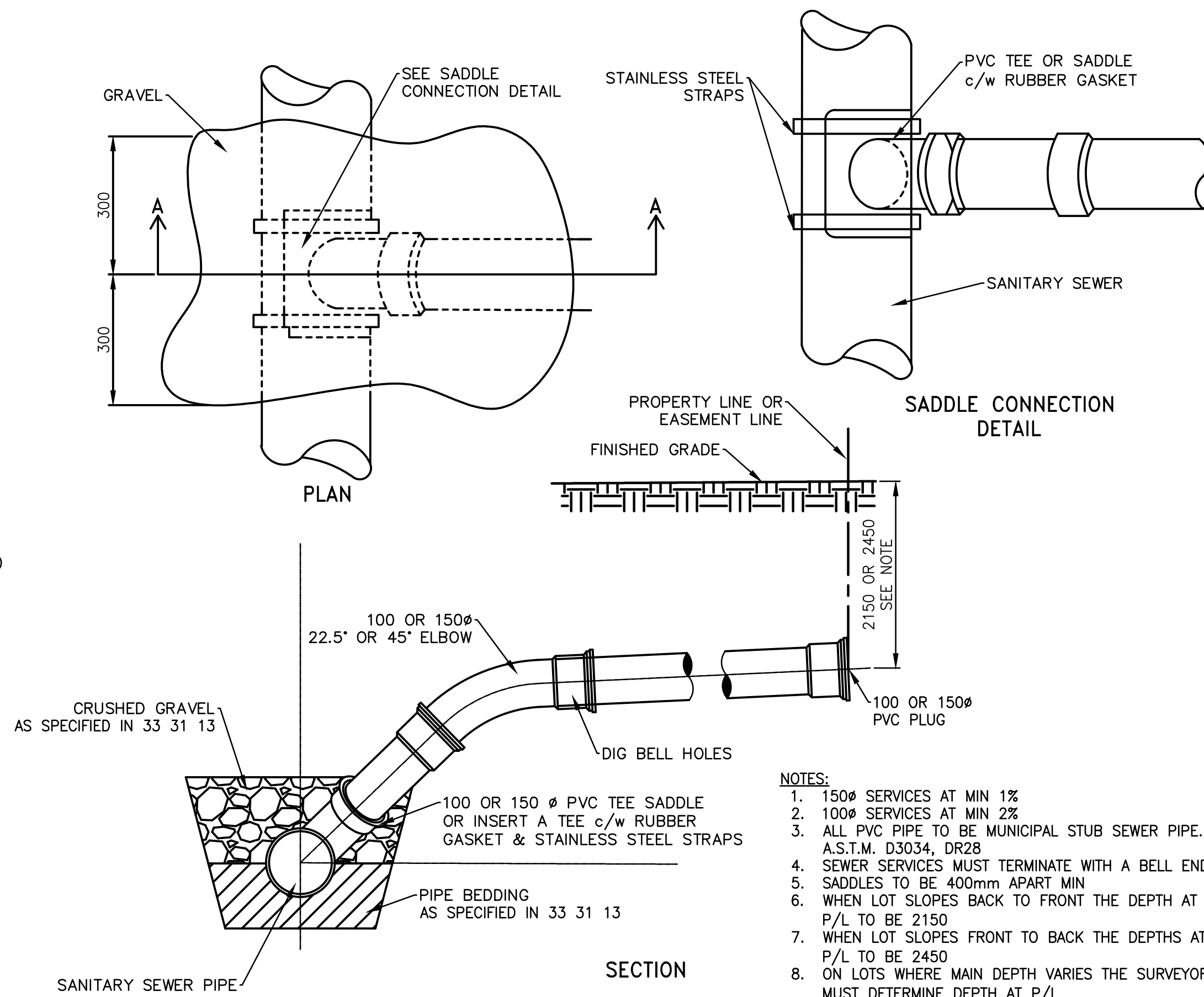


2 PARK OUTDOOR FAUCET
SCALE: NTS

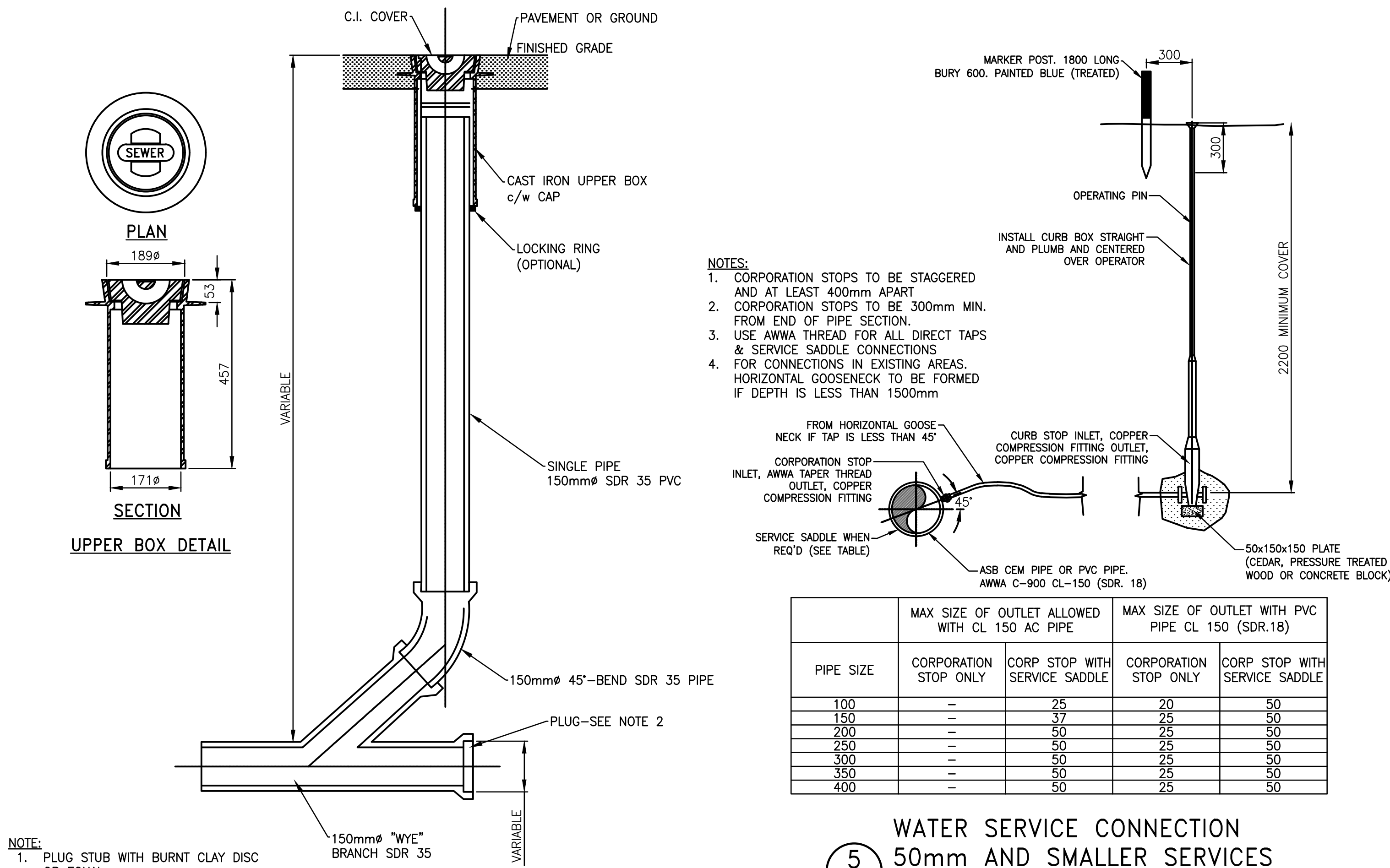
4 SEWAGE HOLDING TANK CROSS SECTION
SCALE: NTS



6 TYPICAL HDPE TRENCH DETAIL
SCALE: NTS



7 TYPICAL SERVICE CONNECTION FOR MAINS LESS THAN 3.7m DEEP
SCALE: NTS



5 WATER SERVICE CONNECTION 50mm AND SMALLER SERVICES
SCALE: NTS

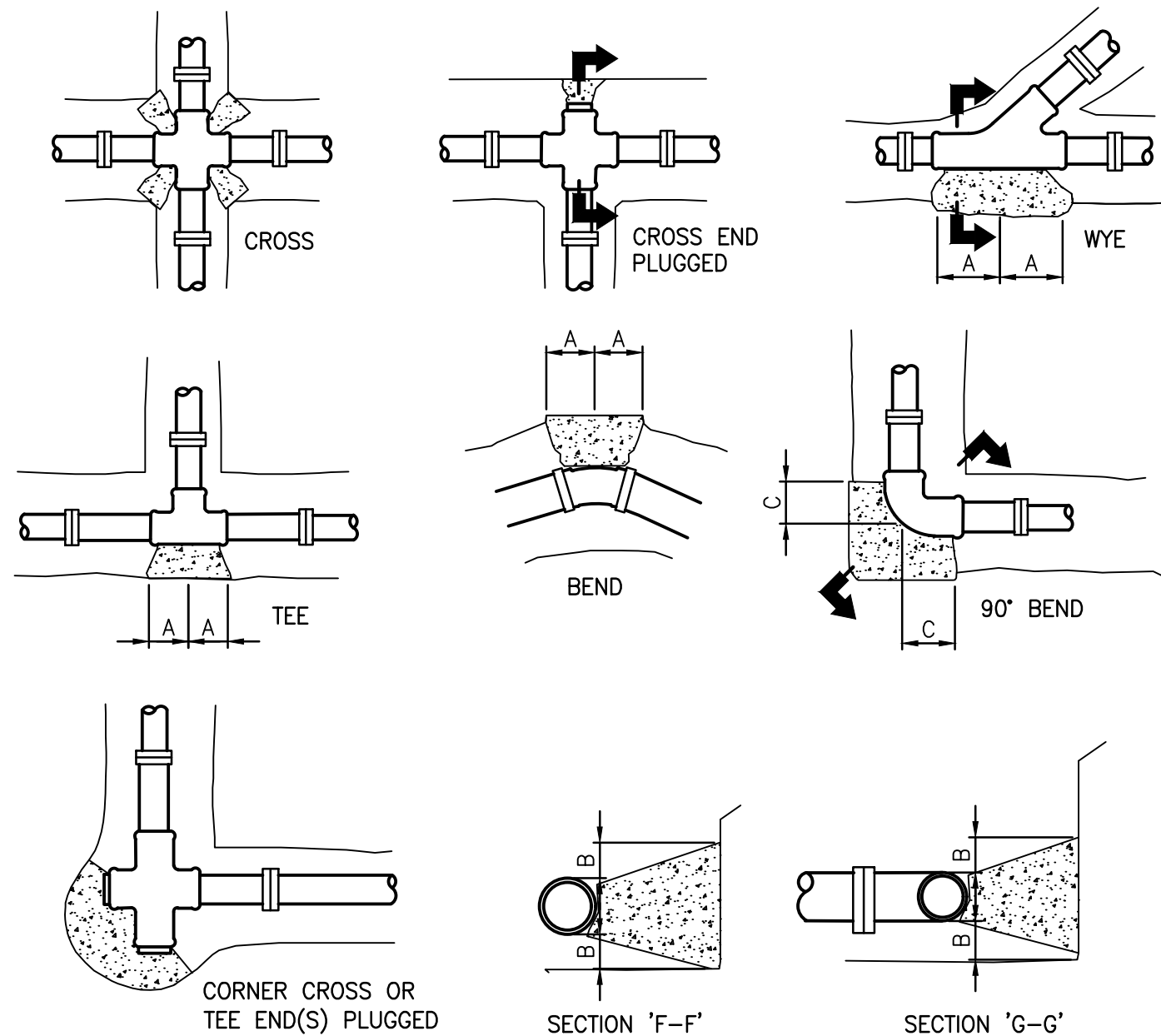
PIPE SIZE	MAX SIZE OF OUTLET ALLOWED WITH CL 150 AC PIPE		MAX SIZE OF OUTLET WITH PVC PIPE CL 150 (SDR.18)	
	CORPORATION STOP ONLY	CORP STOP WITH SERVICE SADDLE	CORPORATION STOP ONLY	CORP STOP WITH SERVICE SADDLE
100	-	25	20	50
150	-	37	25	50
200	-	50	25	50
250	-	50	25	50
300	-	50	25	50
350	-	50	25	50
400	-	50	25	50

Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client
PWGSC/TPSGC
ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6
Project title
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA
WLNP ALPINE STABLES RECONSTRUCTION FOUNDATION PACKAGE

Designed by
RKF
Drawn by
KNS
Approved by
RM
PWGSC Project Manager
MICHAEL LYZANOWSKI
Drawing title
DETAILS

Project no.	Drawing no.	Revision no.
R.096286.001	C10 OF 11	3

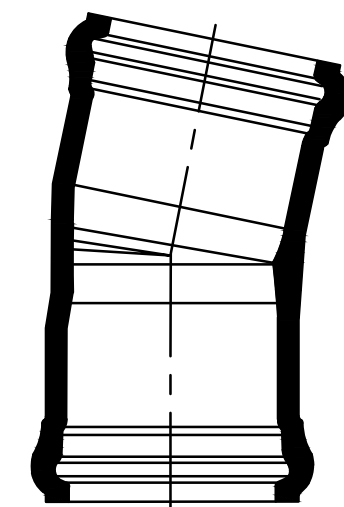


- NOTES:
- DIMENSIONS OF THE THRUST BLOCKS AND REQUIRED BEARING AREAS ARE SHOWN ARE BASED ON A MAXIMUM TEST/OPERATING PRESSURE OF 689 kPa (100psi) AGAINST SOIL WHICH HAS A SAFE LOAD BEARING CAPACITY OF 70 kPa (10psi) MINIMUM. FOR ANY CONDITIONS WHICH VARY FROM THESE, THE DIMENSIONS/AREAS MUST BE ADJUSTED ACCORDINGLY
 - REFER TO SPECIFICATIONS 03-33-00 FOR CONCRETE REQUIREMENTS.

PIPE DIAMETER (mm)	90° BEND				45° BEND				TEE, PLUGS, WYES				22.5 & 11.25 BENDS			
	A	B	C	AREA	A	B	C	AREA	A	B	C	AREA	A	B	C	AREA
100	170	200	0.16	160	110	0.09	190	140	0.11	110	60	0.04				
150	250	300	0.33	240	160	0.18	270	190	0.23	160	90	0.08				
200	320	350	0.56	310	210	0.30	350	250	0.40	210	110	0.14				
250	390	400	0.85	380	250	0.46	430	310	0.60	260	140	0.22				
300	460	450	1.20	450	300	0.65	520	370	0.85	310	160	0.31				
350	530	500	1.61	520	350	0.87	600	420	1.14	340	170	0.38				
400	610	550	2.08	600	400	1.13	680	480	1.47	390	190	0.49				
450	680	600	2.62	670	440	1.42	760	540	1.85	440	220	0.62				
500	750	650	3.21	740	490	1.75	840	590	2.27	490	240	0.77				
600	900	750	4.95	880	580	2.49	1010	710	3.24	590	290	1.22				
750	1110	900	7.04	1090	720	3.81	1250	870	4.98	780	410	1.95				
900	1330	1050	10.09	1310	860	5.46	1490	1040	7.14	930	480	2.79				

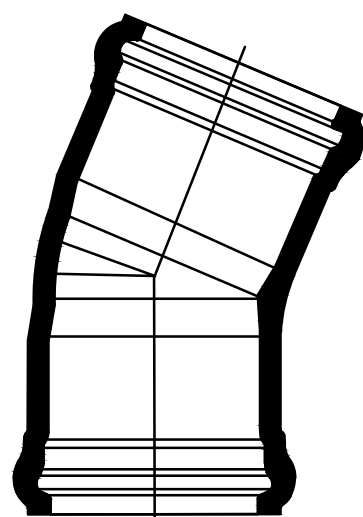
7 THRUST BLOCKS

SCALE: NTS



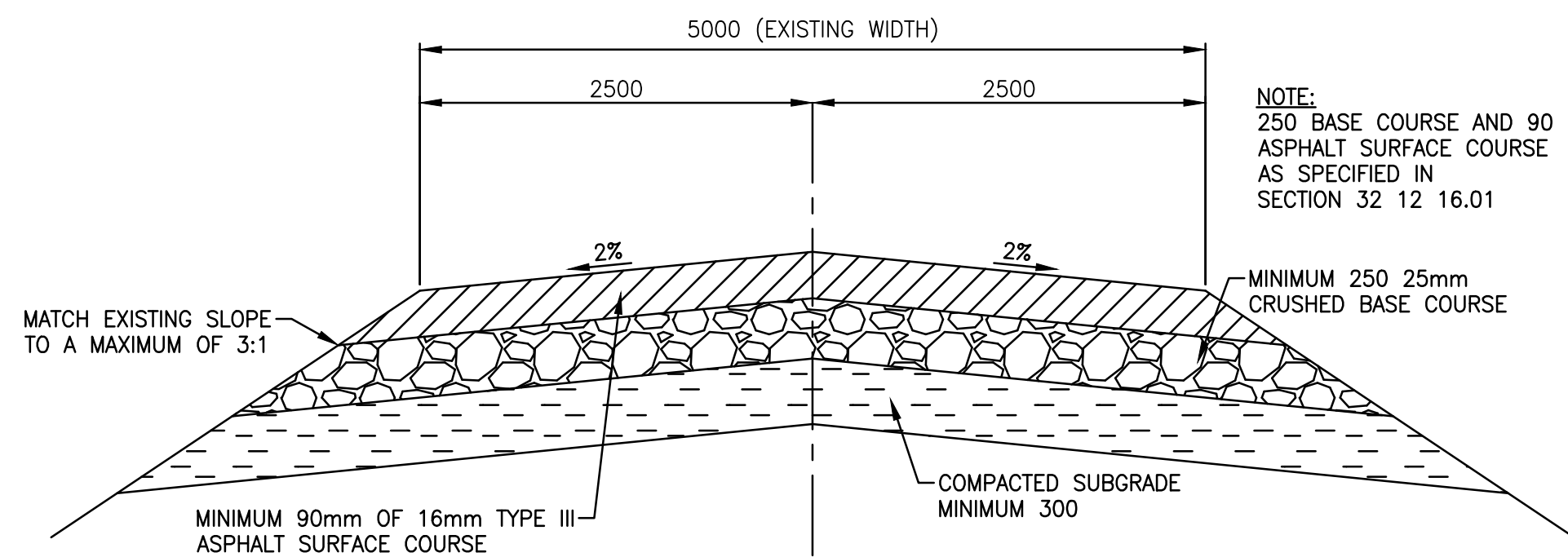
8 11-1/4° ELBOW

SCALE: NTS



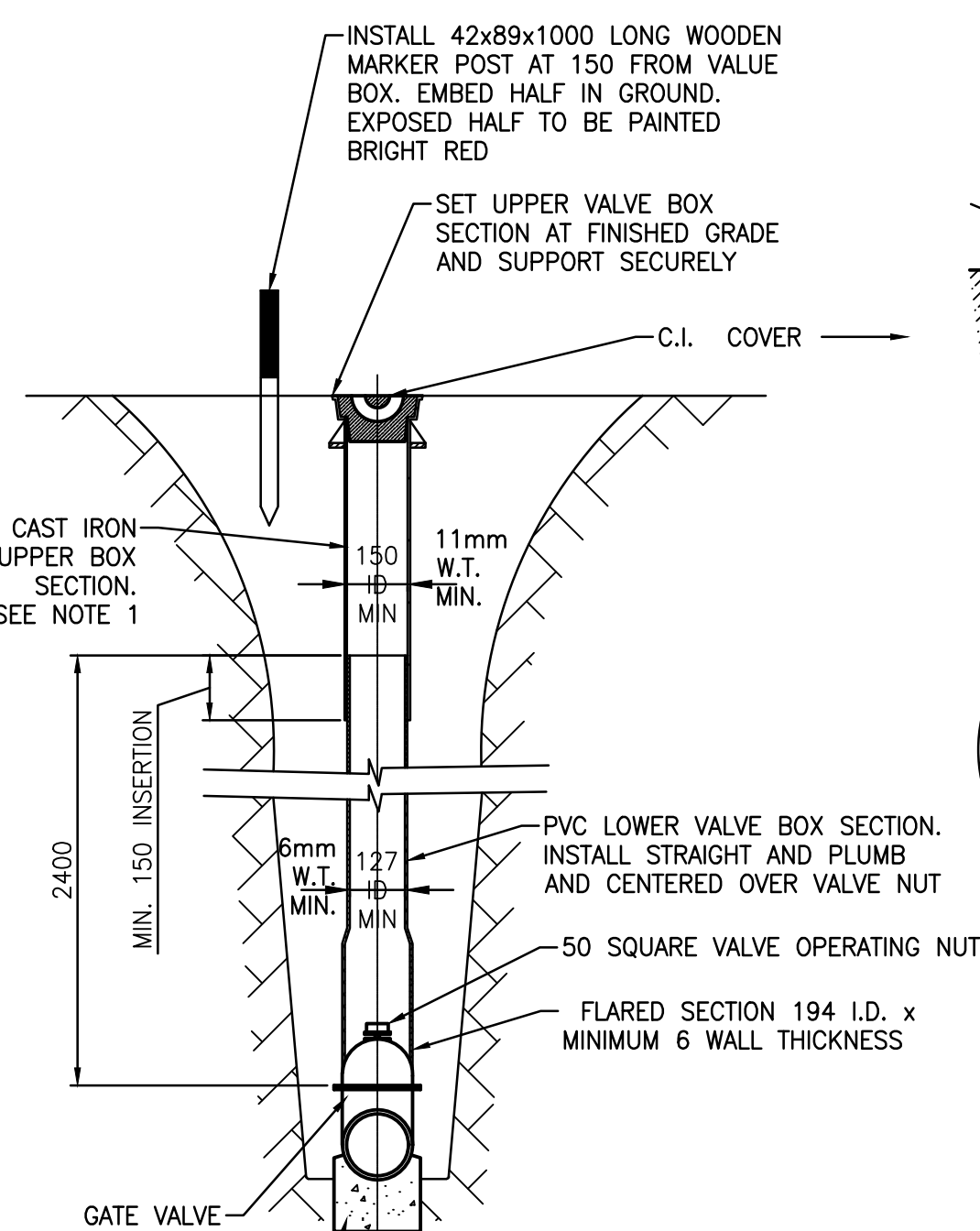
9 22-1/2° ELBOW

SCALE: NTS



11 EXISTING ROAD-GOLF COURSE

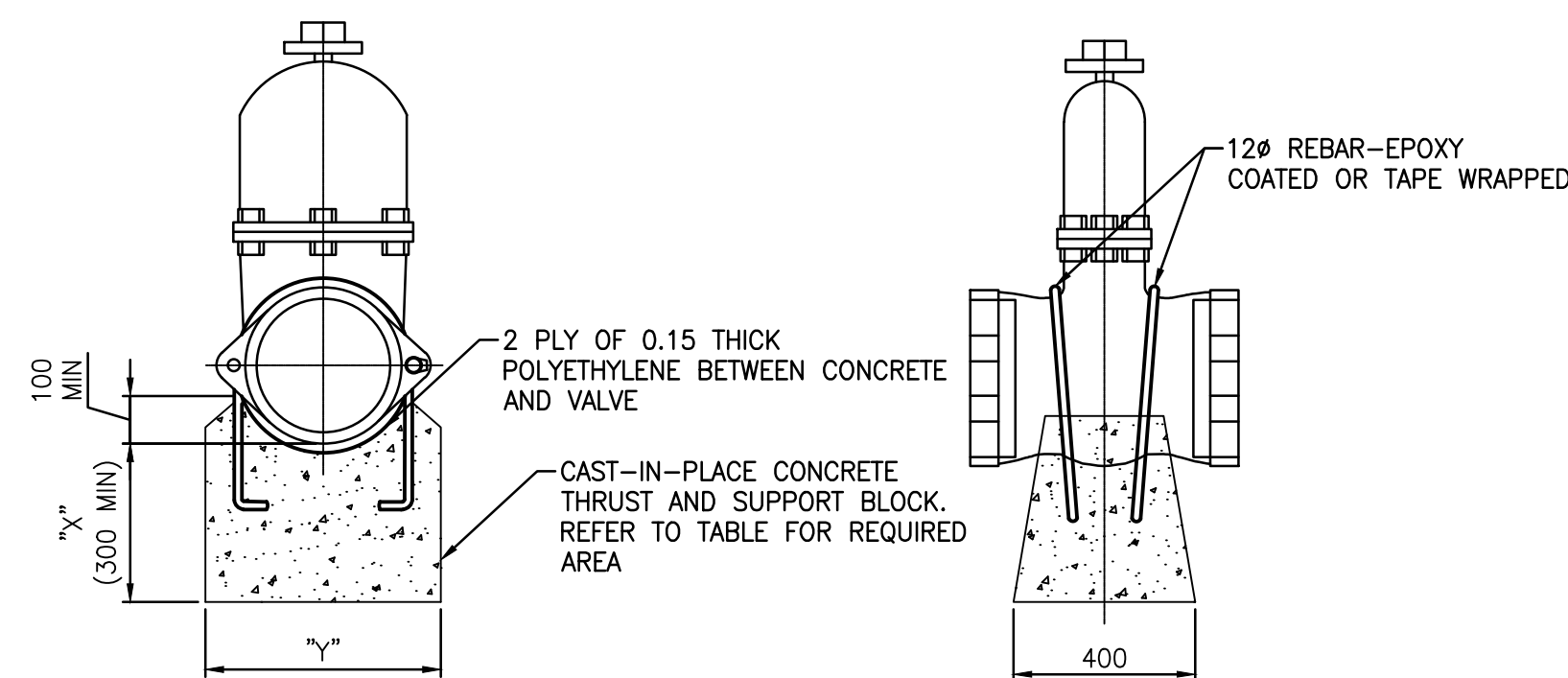
SCALE: NTS



- NOTES:
- WHERE THE LOCATION OF THE VALVE IS UNDER A ROADWAY USE A 1200 LONG UPPER VALVE BOX SECTION. WHERE THE VALVE LOCATION IS NOT UNDER A ROADWAY USE A 750 LONG UPPER VALVE BOX SECTION
 - LOCKING RING (OPTIONAL)

10 VALVE BOX INSTALLATION

SCALE: NTS

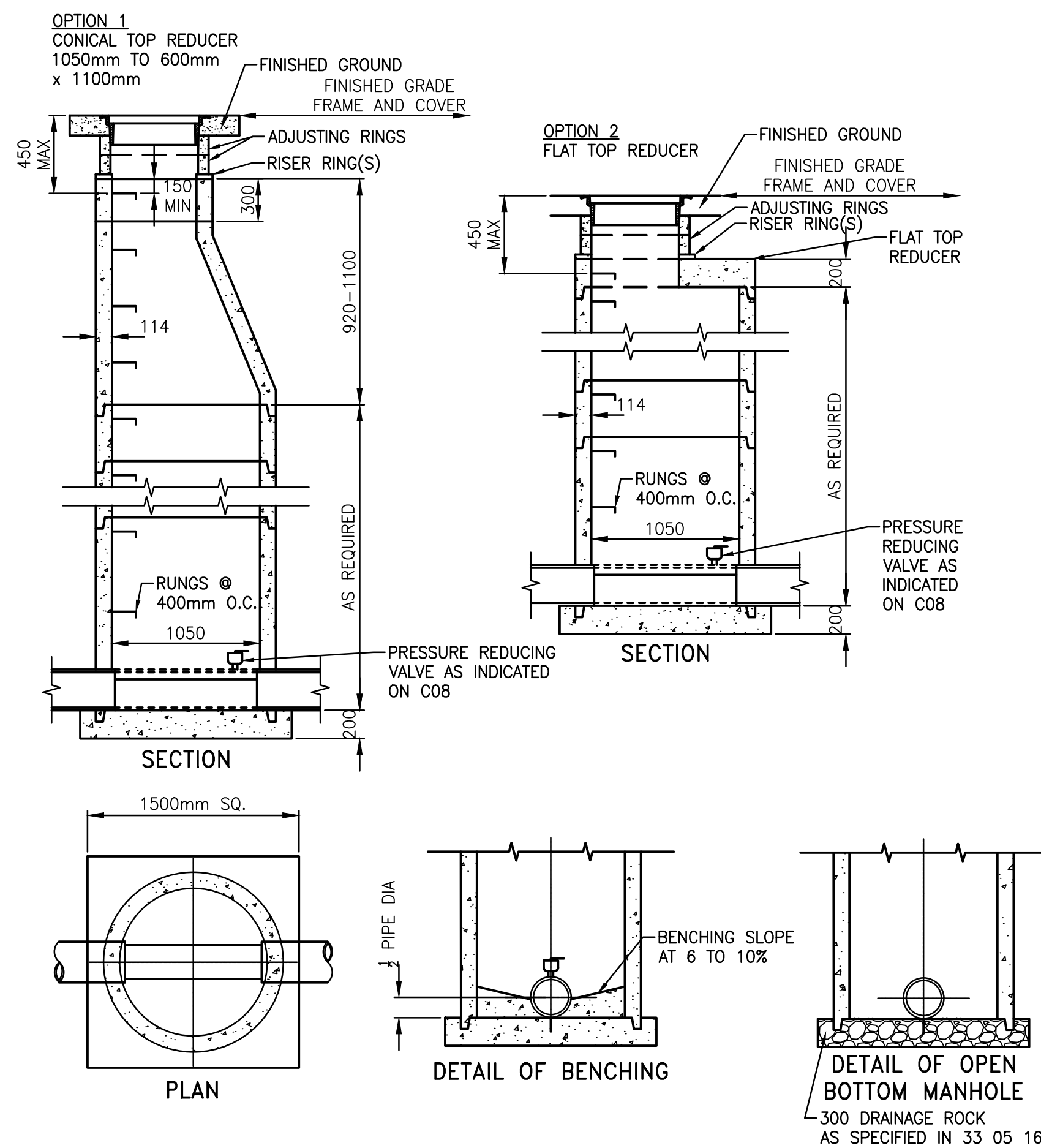


VALVE SIZE (mm)	REQUIRED AREA - SQ. M "X"/1000 x "Y"/1000 = AREA
100	0.09
150	0.18
200	0.31
250	0.47
300	0.67
350	0.97
400	1.25
450	1.56
500	1.93
600	2.73
750	4.20
900	6.03

- NOTES:
- DIMENSIONS OF BLOCK AND REQUIRED BEARING AREA ARE BASED UPON A MAXIMUM TEST/OPERATING PRESSURE OF 689 kPa (100 psi) MINIMUM. FOR ANY CONDITION WHICH VARIES FROM THESE CONFIRM REQUIRED AREA WITH THE ENGINEER
 - REFER TO 03-33-00 FOR CONCRETE REQUIREMENTS
 - ANY VALVE WHICH HAS EITHER 'TYTON' OR MJ STYLE END CONNECTIONS MUST BE ANCHORED AS SHOWN. THIS INCLUDES GATE VALVES AND BUTTERFLY VALVES

12 VALVE ANCHORING

SCALE: NTS



13 PRECAST MANHOLE 1050mm DIA.

SCALE: NTS

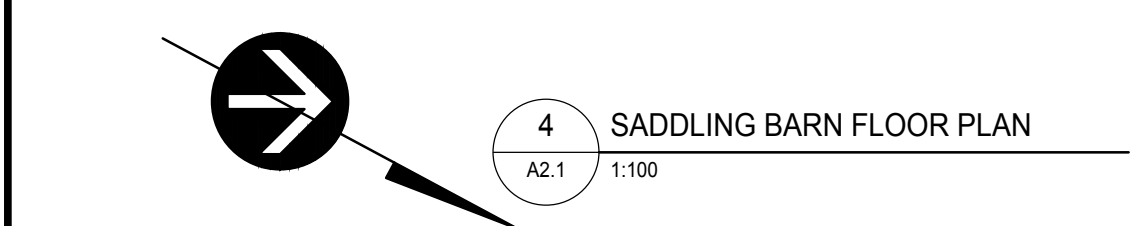
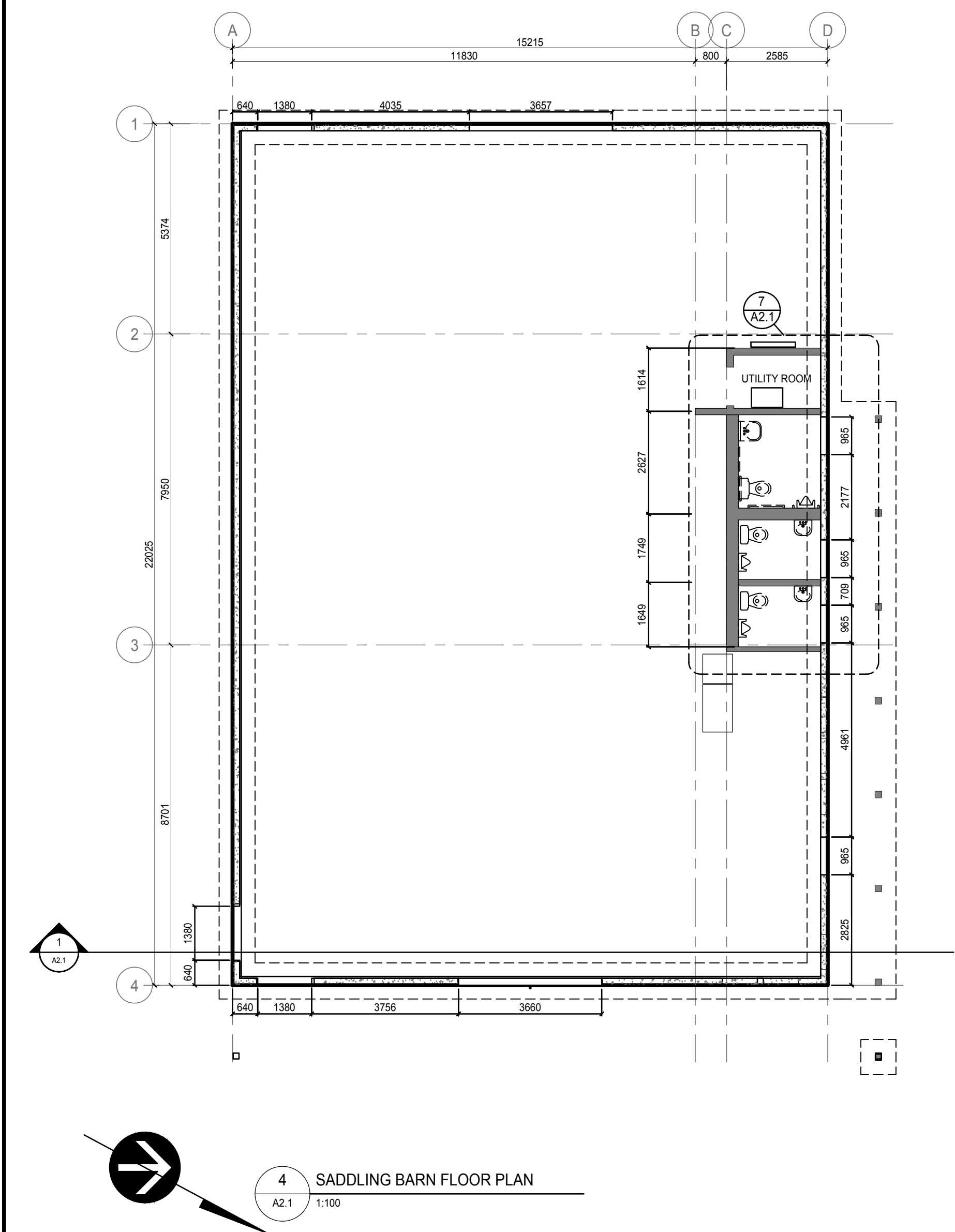
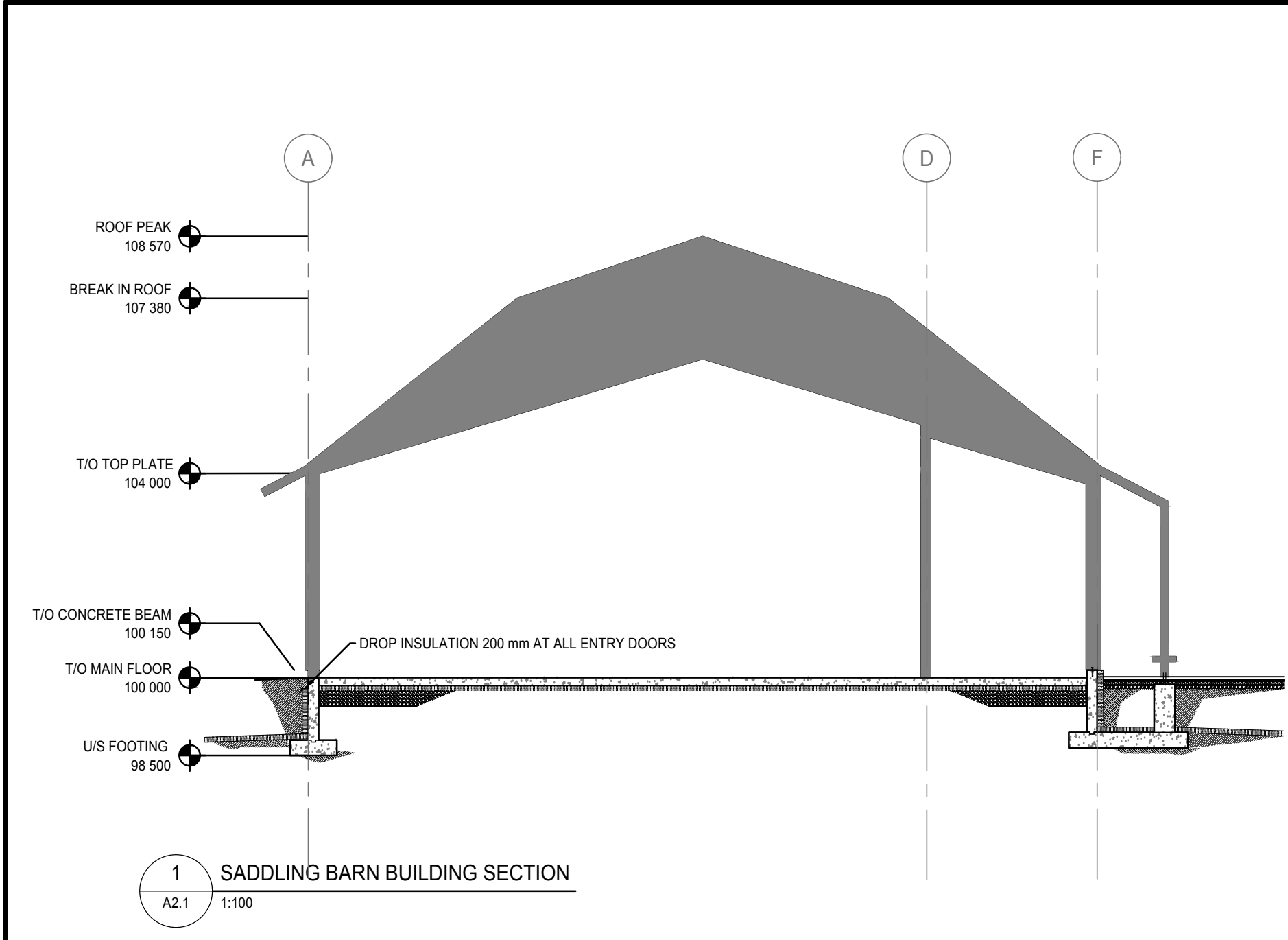
Revision	Description	Date
3	Issued for Construction	2018 08 30
2	Issued for Construction	2018 08 16
1	Issued for Construction	2018 07 30
0	90% Construction Documents Submission	2018 07 12

Client
PWGSC/TPSGC
ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA
WLNP ALPINE STABLES RECONSTRUCTION FOUNDATION PACKAGE

Designed by
RKF
Drawn by
KNS
Approved by
RM
PWGSC Project Manager
MICHAEL LYZANIEWSKI
Drawing title

Project no.	Drawing no.	Revision no.
R.096286.001	C11 OF 11	3

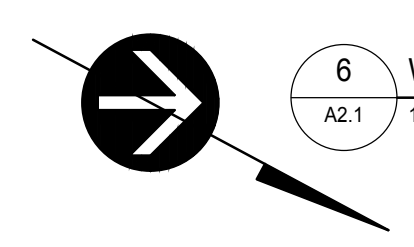
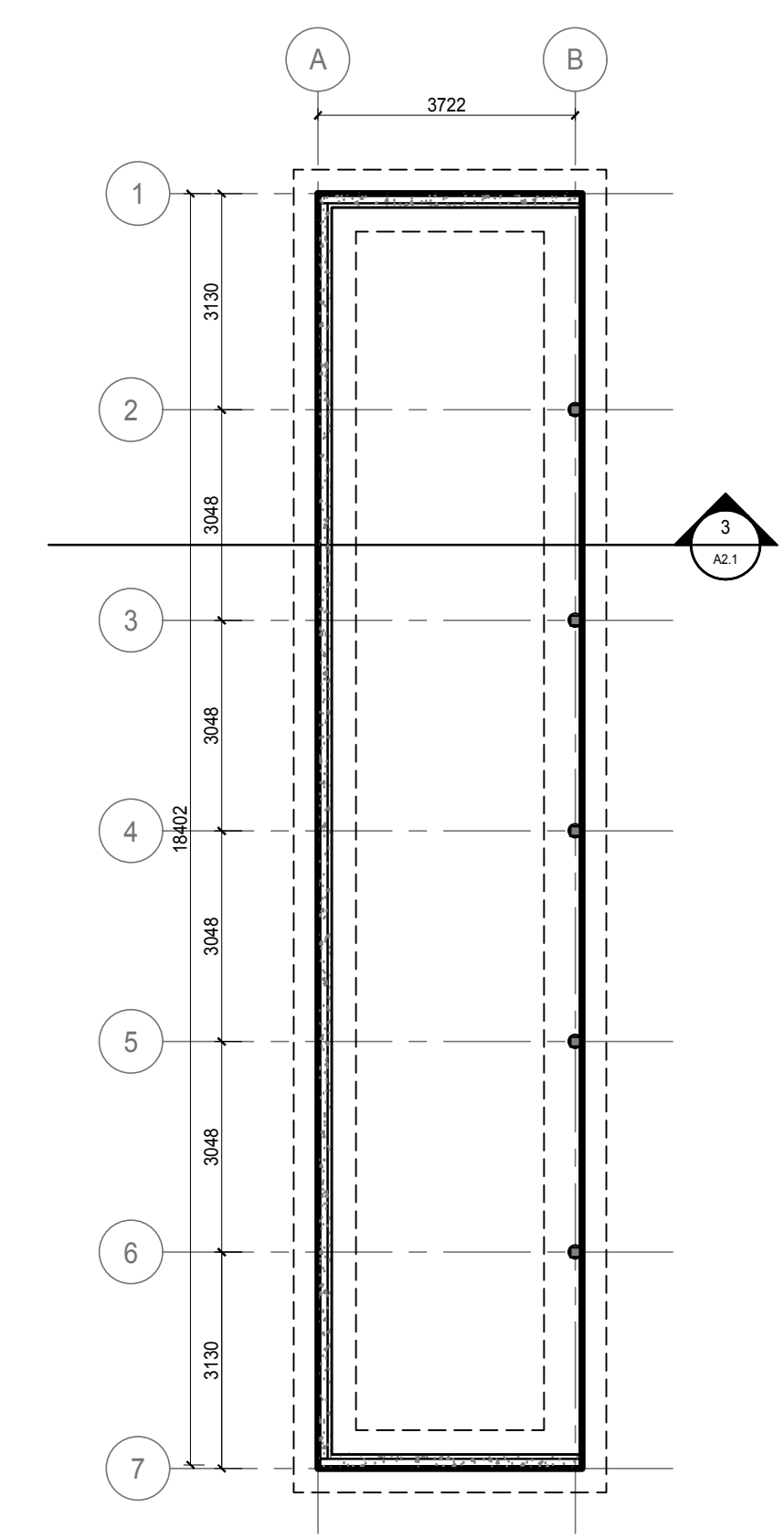
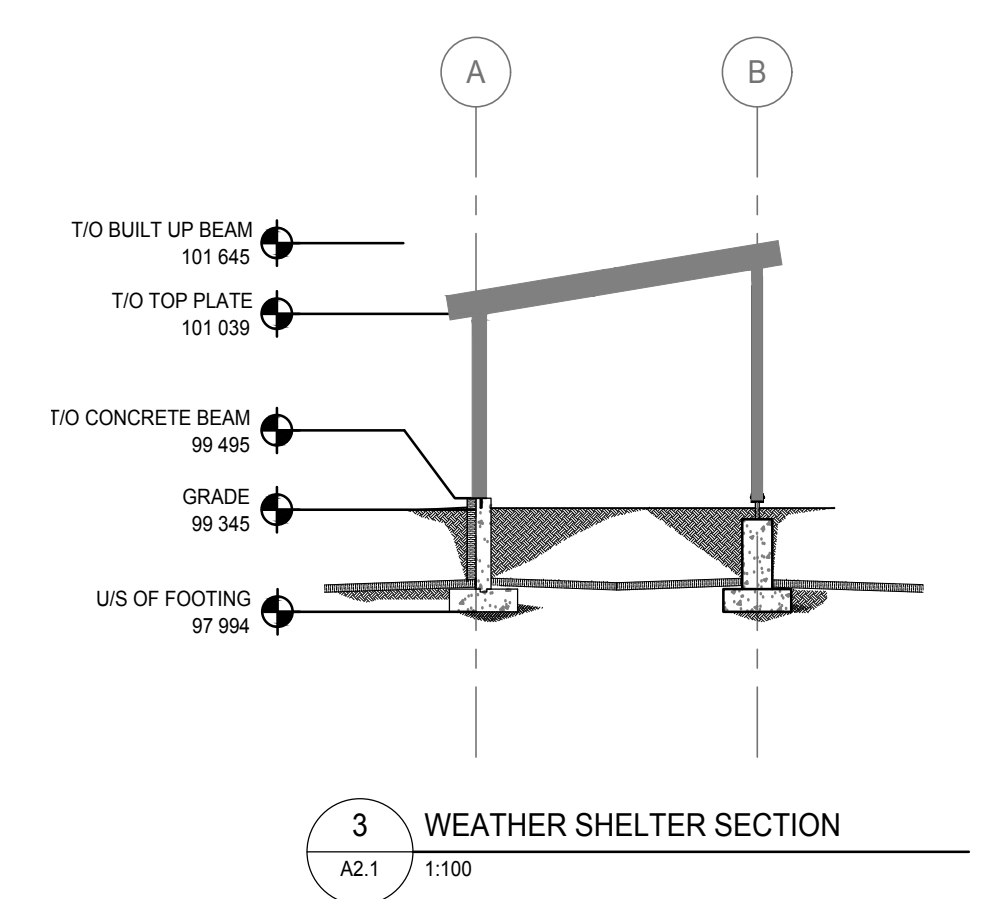
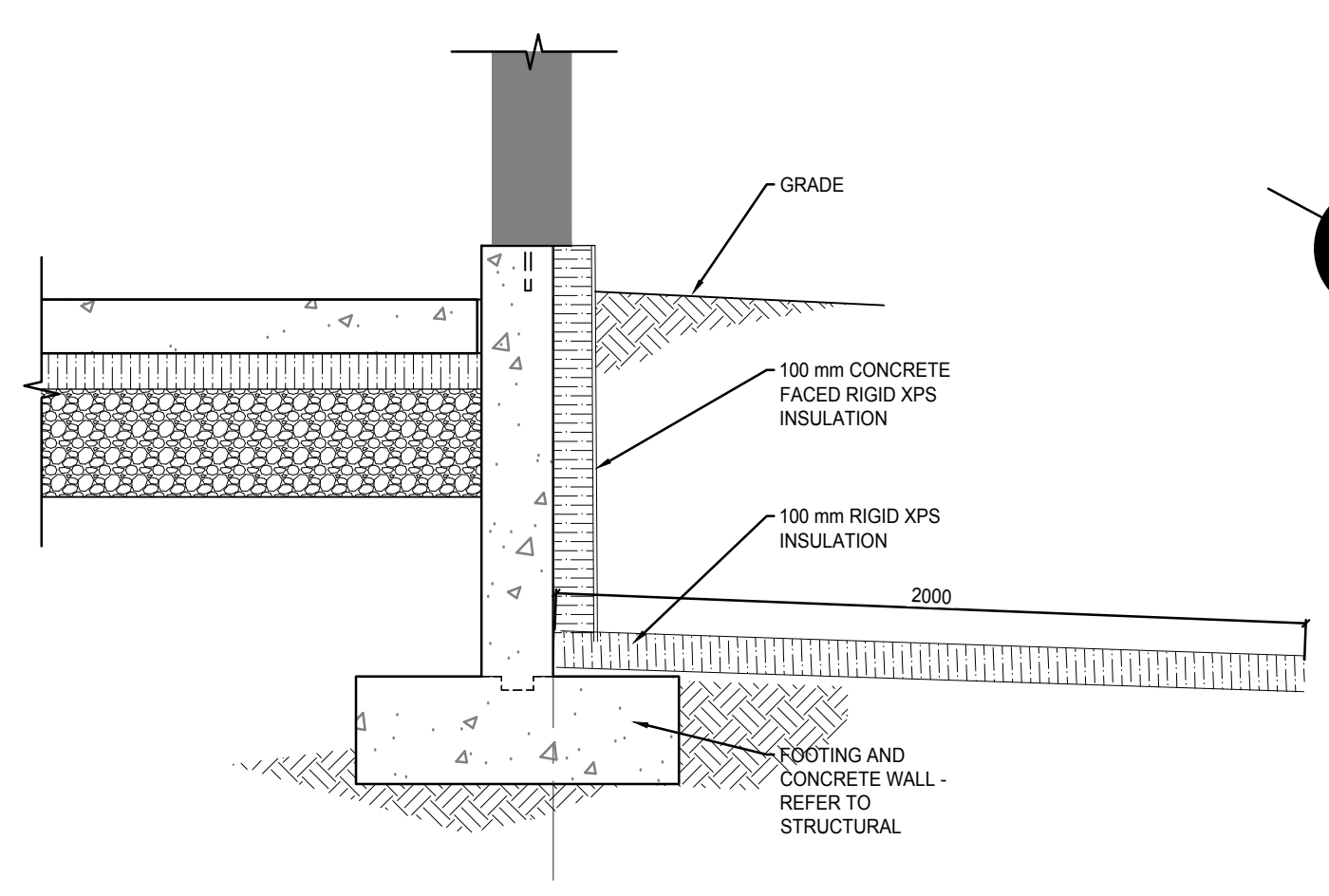
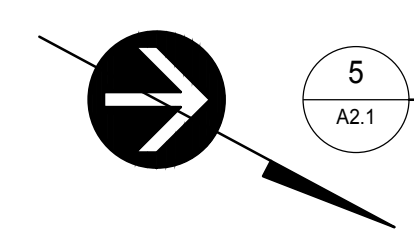
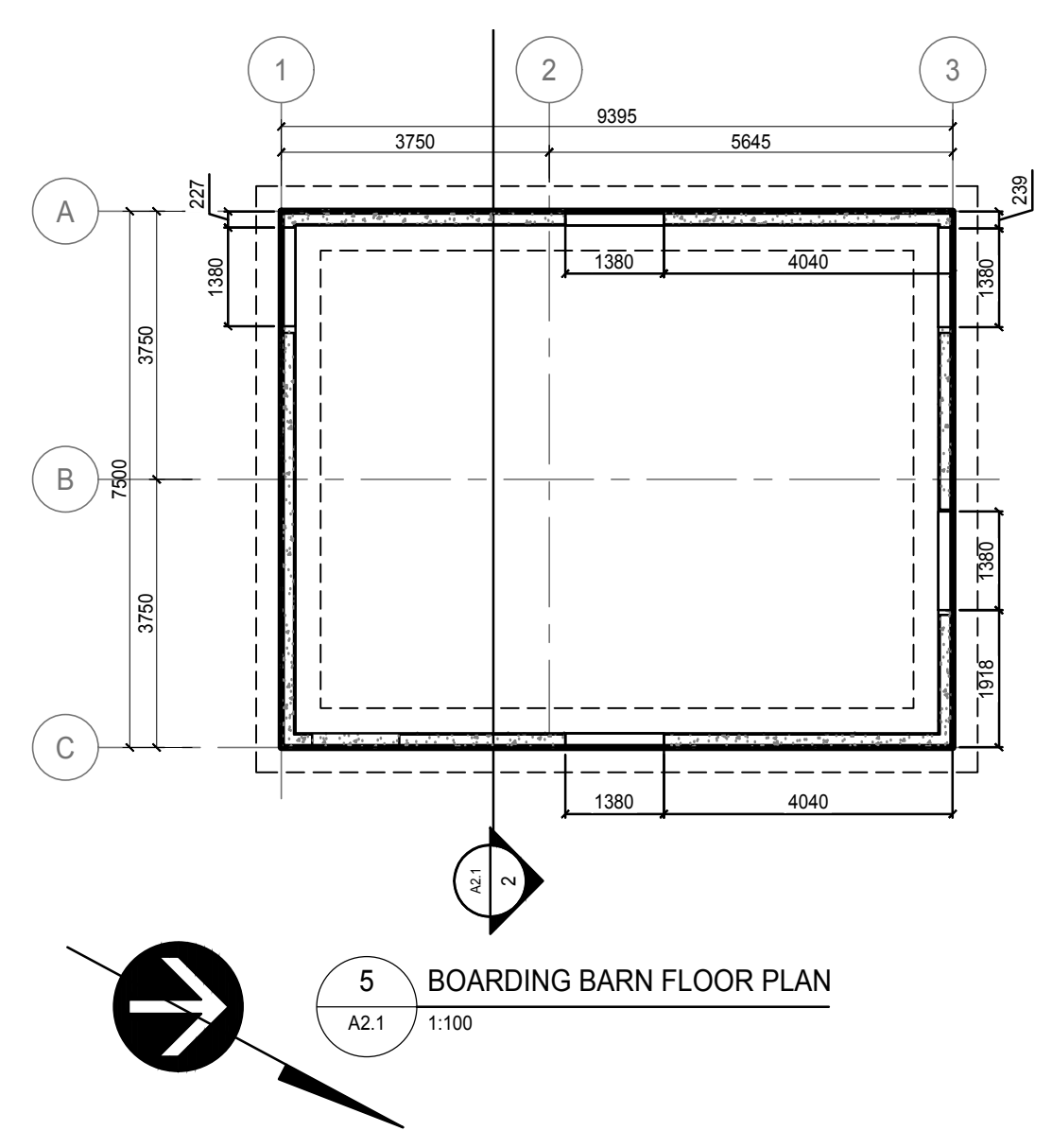
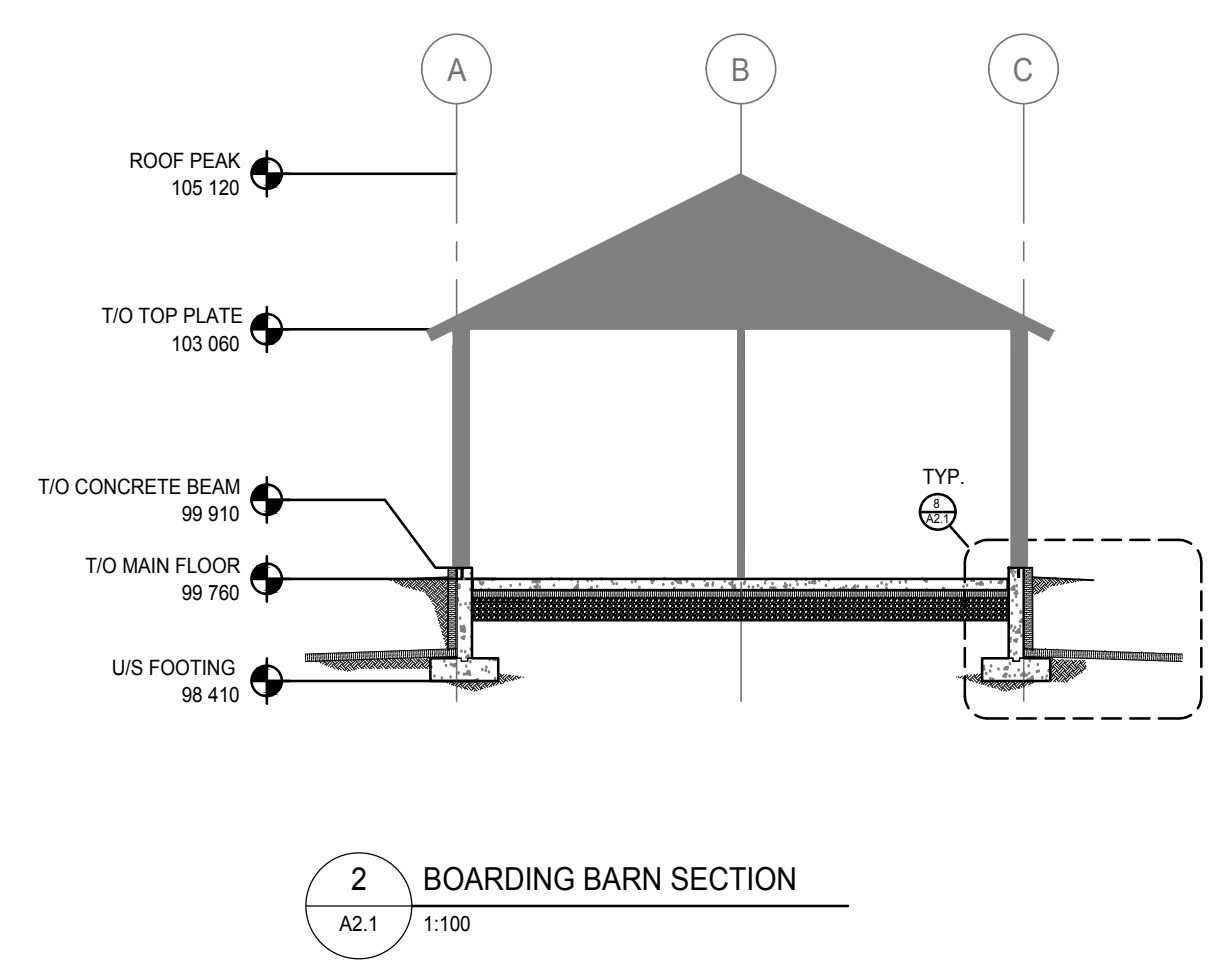


LEGEND

STRUCTURE NOT IN CONTRACT
FIXTURES NOT IN CONTRACT

GENERAL BARN NOTES:

- SECTION DRAWINGS ARE FOR REFERENCE ONLY
- ALL FOUNDATION WALLS TO RECEIVE 100 mm XPS CONCRETE FACED RIGID INSULATION ON THE EXTERIOR FACE.
- DROP EXTERIOR RIGID INSULATION 200 mm AT ENTRY DOORS.



REPUBLIC ARCHITECTURE INC.
PERMIT No. AC 13827
ISSUED PURSUANT TO THE ARCHITECTS ACT OF ALBERTA



Revision	Description	Date
1	ISSUED FOR CONSTRUCTION	2018 08 30
0	90% Construction Documents Submission	2018 07 16

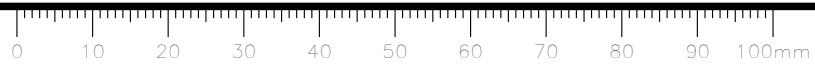
Client
PWGSC / TPSGC
ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA
WLNP ALPINE STABLES RECONSTRUCTION FOUNDATION PACKAGE

Designed by
MS
Drawn by
RA
Approved by
JR
PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title
SADDLING BARN, BOARDING BARN & WEATHER SHELTER PLANS AND SECTIONS

Project no.	Drawing no.	Revision no.
R.096286.001	A2.1 OF	0



ABBREVIATIONS:


Ø	AT (SPACING)	GA	GAUGE	REV	REVISION, REVISED
AB	ANCHOR BOLT	GALV	GALVANIZED	RO	ROUGH OPENING
ADJ	ADJUSTABLE	GEN	GENERAL	R/W	REINFORCE WITH
AFF	ABOVE FINISHED FLOOR	GR	GRADE	SCHED	SCHEDULE
ALT	ALTERNATE	GRAN	GRANULAR	SECT	SECTION
ARCH	ARCHITECT, ARCHITECTURAL	H	HIGH	SIM	SIMILAR
BOT, B	BOTTOM	H	HORIZONTAL FORCE (UNFACTORED)	SJ	STRUT JOIST
B PL	BASE PLATE	HC	HOLLOW CORE	S1E	STRUT ONE END
BC	BOTTOM CHORD	HEX	HEXAGON	SL	SLAB
BD	BOARD	HORIZ	HORIZONTAL	SOG	SLAB ON GRADE
BTWN	BETWEEN	HF	HORIZONTAL FORCE (FACTORED)	SPEC	SPECIFICATIONS
BLDG	BUILDING	HM	HOLLOW METAL	SPF	SPRUCE–PINE–FIR
BLK	BLOCK	HP	HIGH POINT	SQ	SQUARE
BLL	BOTTOM LOWER LAYER	HT	HEIGHT	STD	STANDARD
BM	BEAM	IC	IN CENTRE	STR	STAIR
BRDG	BRIDGING	ID	INSIDE DIAMETER	STIFF	STIFFENER
BRG	BEARING	I/F	INSIDE FACE	STIR	STIRRUP
BRG PL	BEARING PLATE	INSUL	INSULATION	STL	STEEL
BS	BOTH SIDES	INT	INTERIOR	STRUCT	STRUCTURAL
BSMT	BASEMENT	JST	JOIST	SYM	SYMMETRICAL
BUL	BOTTOM UPPER LAYER	JT	JOINT	T	TENSION (UNFACTORED)
C	COMPRESSION (UNFACTORED)	Kg	KILOGRAM	T	TOP
C/C	CENTRE TO CENTRE	KIP, K	1000 LB	T/O	TOP OF
C/W	COMPLETE WITH	KLF	kip(s) PER LINEAL FOOT	T&B	TOP & BOTTOM
CL	CENTRE LINE	kN	KILONEWTON	TEMP	TEMPORARY
CANT	CANTILEVER	KO	KNOCKOUT	Tf	TENSION FORCE (FACTORED)
CAP.	CAPACITY	kPa	KILOPASCAL	THRU	THROUGH
CEM	CEMENT	KSF	kip(s) PER SQUARE FOOT	TJ	TIE JOIST
CF	COMPRESSIVE FORCE (FACTORED)	KSI	kip(s) PER SQUARE INCH	TLL	TOP LOWER LAYER
CHAN	CHANNEL	L	LOW	TRANS	TRANSVERSE
CI	CAST IRON	LB, #	POUND(S)	TS	TEMPERATURE STEEL
CIP	CAST IN PLACE	LG	LONG	TUL	TOP UPPER LAYER
CJ	CONTROL JOINT	LL	LIVE LOAD	TYP	TYPICAL
CLR	CLEAR	LL	LOWER LAYER	UHMW	ULTRA HIGH MOLECULAR WEIGHT
CMU	CONCRETE MASONRY UNIT	LLV	LONG LEG VERTICAL	UL	UPPER LAYER
COL	COLUMN	LLH	LONG LEG HORIZONTAL	U/N	UNLESS OTHERWISE NOTED
COMP	COMPOSITE	LONG	LONGITUDINAL	U/S	UNDERSIDE
CONC	CONCRETE	LP	LOW POINT	V	VERTICAL SHEAR (UNFACTORED)
CONN	CONNECT, CONNECTION	m	METRE	VERT	VERTICAL
CONSTR	CONSTRUCTION	mm	MILLIMETRE	Vf	VERTICAL SHEAR (FACTORED)
CONT	CONTINUOUS	MAS	MASONRY	W	WIDE, WIDTH
CORR	CORRIDOR	MAX	MAXIMUM	W/	WITH
DBL	DOUBLE	MECH	MECHANICAL	W/O	WITHOUT
DEFL	DEFLECTION	MEZZ	MEZZANINE	WD	WOOD
DEMO	DEMOLISH, DEMOLITION	MF	FACTORED MOMENT	WP	WORK POINT
DEPR	DEPRESSION	MIN	MINIMUM	WT	WEIGHT
DET	DETAIL	MISC	MISCELLANEOUS	WWW	WELDED WIRE MESH
DEV	DEVELOP, DEVELOPMENT	MK	MARK	X–BRACE	CROSS BRACING
Ø, DIA	DIAMETER	MO	MASONRY OPENING		
DIAG	DIAGONAL	MOM	MOMENT		
DIM	DIMENSION	MPa	MEGAPASCAL		
DIR	DIRECTION	NIC	NOT IN CONTRACT		
DL	DEAD LOAD	NF	NEAR FACE		
DN	DOWN	NO	NUMBER		
DP	DEEP	NOM	NOMINAL		
DR	DOOR	NTS	NOT TO SCALE		
DFIR	DOUGLAS FIR	N–S	NORTH–SOUTH		
DWG	DRAWING(S)	NS	NELSON STUD		
DWL	DOWEL(S)	O/C	ON CENTRE		
EA	EACH	OD	OUTSIDE DIAMETER		
EE	EACH END	O/O	OUT TO OUT		
EF	EACH FACE	O/F	OUTSIDE FACE		
EJ	EXPANSION JOINT	OH	OVERHEAD		
EL	ELEVATION	OPNG	OPENING		
ELEV	ELEVATOR	OWSJ	OPEN WEB STEEL JOIST		
ELEC	ELECTRICAL	Pa	PASCAL		
ENG	ENGINEER	PC	PRECAST		
EQ	EQUAL	PERP	PERPENDICULAR		
EQUIP	EQUIPMENT	PL, R	PLATE		
ES	EACH SIDE	PLF	POUNDS PER LINEAL FOOT		
E–W	EAST–WEST	PLYWD	PLYWOOD		
EW	EACH WAY	PREFAB	PREFABRICATED		
EXIST	EXISTING	PROJ	PROJECTION		
EXP	EXPANSION	PSF	POUNDS PER SQUARE FOOT		
EXT	EXTERIOR	PSI	POUNDS PER SQUARE INCH		
FDN	FOUNDATION	PT	PRESSURE TREATED		
FF	FAR FACE	R	RADIUS, REACTION		
FIN	FINISHED	REF	REFERENCE		
FL	FLOOR	REINF	REINFORCE, REINFORCEMENT		
FS	FAR SIDE	REM	REMAINDER		
FT	FOOT/FEET	REQ	REQUIRED		
FTG	FOOTING				

CONCRETE SLAB SCHEDULE		
MARK	DESCRIPTION	REINFORCING
S1	150 CONCRETE SLAB ON 100 HI–DENSITY RIGID INSULATION ON MIN 300 LEVELLING COURSE OF COMPACTED GRANULAR (REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS)	10M Ø 300 O/C EACH WAY TOP

CONCRETE WALL SCHEDULE		
MARK	DESCRIPTION	REINFORCING
CW1	200 x 1200 CONCRETE WALL	1–20M CONT HORIZ TOP & BOTTOM INSIDE FACE 1–15M CONT HORIZ MID HEIGHT INSIDE FACE 10M VERT Ø 300 O/C INSIDE FACE

CONCRETE FOOTING/PAD SCHEDULE		
MARK	DESCRIPTION	REINFORCING
F1	900 WIDE x 300 DEEP CONTINUOUS CONCRETE FOOTING	3–20M CONTINUOUS HORIZONTAL BOTTOM 1–20M BOTTOM TRANSVERSE Ø 600 O/C MAX PROVIDE 10M DOWELS Ø 300 O/C MAX TO MATCH VERTICAL REINFORCING OF WALL ABOVE
F2	1200x1200 x 300 DEEP CONCRETE PAD	4–20M EACH WAY BOTTOM
F3	1300x1300 x 300 DEEP CONCRETE PAD	5–20M EACH WAY BOTTOM
F4	900x900 x 300 DEEP CONCRETE PAD	3–20M EACH WAY BOTTOM

NOTE:
ALL FOOTINGS/PADS TO BE PLACED ON MIN 150 LEVELLING COURSE OF COMPACTED GRANULAR



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

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


REPUBLIC

ARCHITECTURE

INC

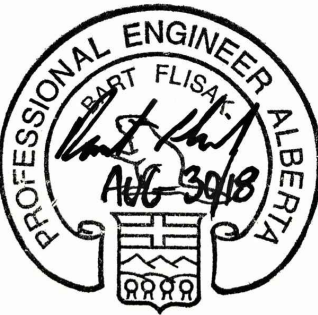
385 St. Mary Avenue
Winnipeg, MB R3C 0N1
T 204 989 0102
F 204 989 0094
www.republicarchitecture.ca

300-275 Carlton Street
Winnipeg, Manitoba R3C 5R6
T 204. 943. 7501
F 204. 943. 7507
2018-0373

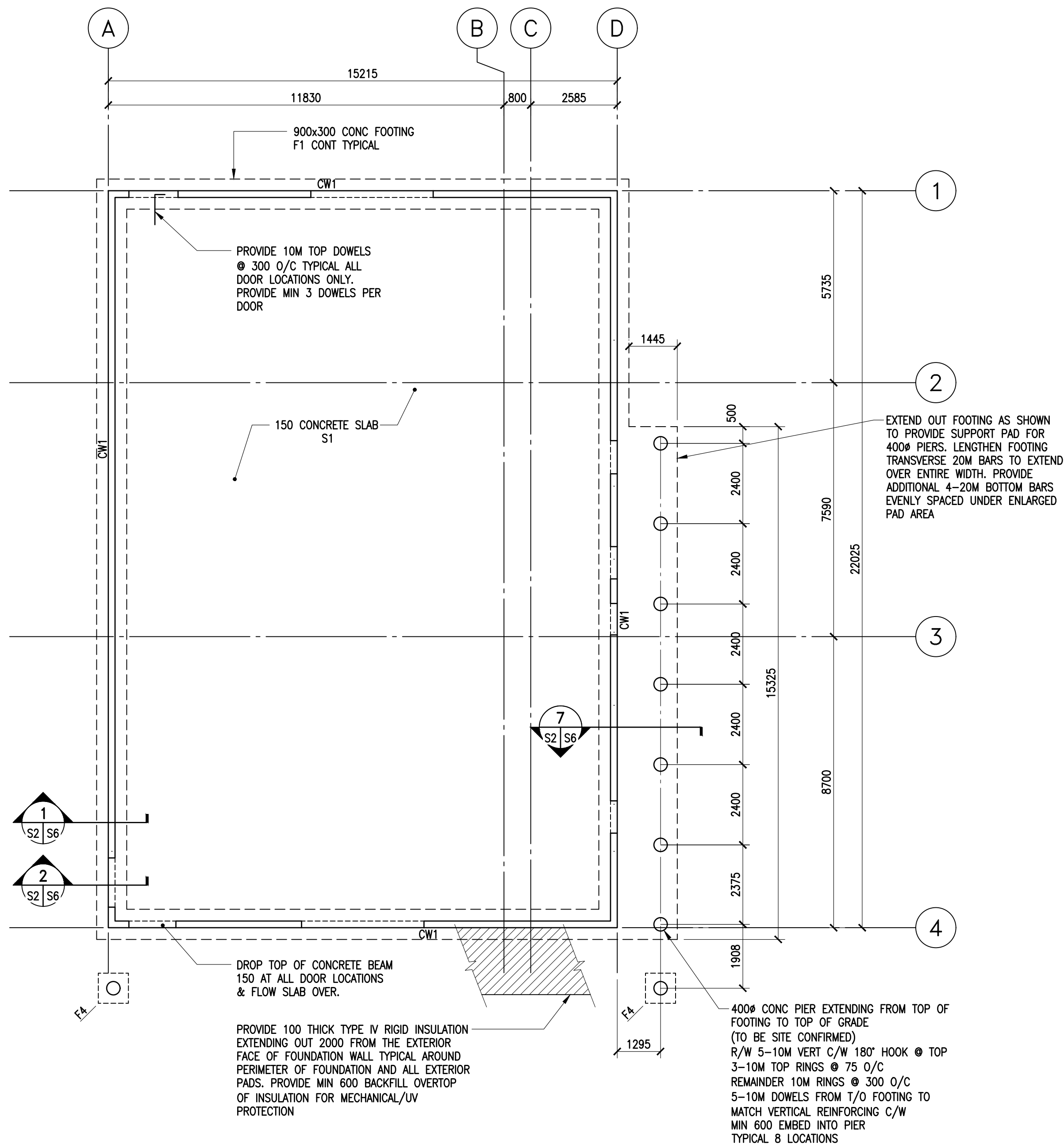


Crosier Kilgour
& Partners Ltd.
CONSULTING STRUCTURAL ENGINEERS

PROFESSIONAL ENGINEER ALBERTA



0	ISSUED FOR CONSTRUCTION FOUNDATION ONLY	Aug 30, 2018
Revision	Description	Date
Client		
PWGSC/TPSGC		
ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6		
Project title		
SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA		
WATERTON LAKES NATIONAL PARK - ALPINE STABLES RECONSTRUCTION		
Designed by AJG		
Drawn by JLP		
Approved by -		
PWGSC Project Manager MICHAEL LYZANIWSKI		
Drawing title		
FOUNDATIONS AND UNDERGROUND CIVIL WORK SCHEDULES AND ABBREVIATIONS		
Project no.	Drawing no.	Revision no.
R.096286.001	S1 OF	0



SADDLING BARN FOUNDATION/MAIN FLOOR FRAMING PLAN

1 : 100

- FLOOR DESIGN LIVE LOAD = 4.8 kPa
- FLOOR DESIGN DEAD LOAD = 3.6 kPa
- DESIGN BEARING PRESSURE ULS = 250 kPa ($\phi=0.5$)

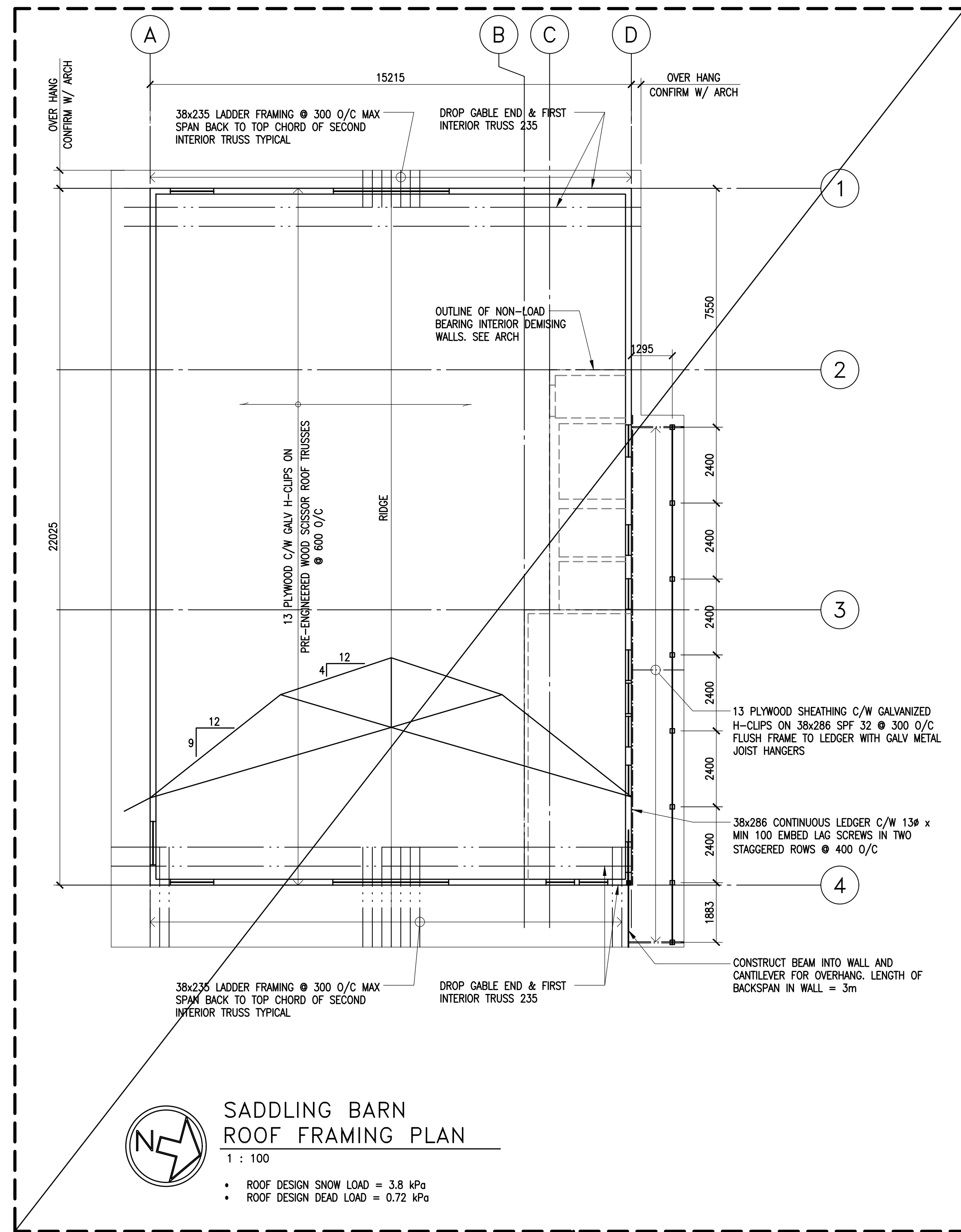
- SEE S1 FOR SCHEDULES.
- UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.

SUBGRADE BEARING SURFACE PREP NOTES:

- FOOTING TO BE FOUNDED ON MIN 150 LEVELLING COURSE OF COMPACTED GRANULAR ON COMPACT TO DENSE GRAVEL LAYER AT A DEPTH OF 1.5M± BELOW EXISTING GRADE.
- SUBGRADE BEARING SURFACE TO BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO STARTING FOOTING FORM WORK.

FOUNDATION BACKFILL NOTES:

- FOLLOWING INSTALLATION OF ALL UNDERGROUND RIGID INSULATION, BACKFILL FOUNDATION ON INTERIOR/EXTERIOR C/W GENERAL ENGINEERED FILL PLACED IN MAX 150 LIFTS, COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (CORRECTED IF REQUIRED) WITHIN ±2% OF THE OPTIMAL MOISTURE CONTENT.
- PLACE BACKFILL EVENLY FROM INTERIOR/EXTERIOR TO MINIMIZE UNEQUAL SOIL PRESSURES
- BACKFILL ON INTERIOR UP TO 550± BELOW MAIN FLOOR SLAB ELEVATION TO ALLOW FOR ALL UNDER SLAB PREP TO BE COMPLETED AS PER THE SCHEDULE/SPEC.

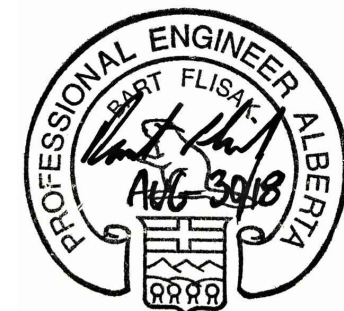
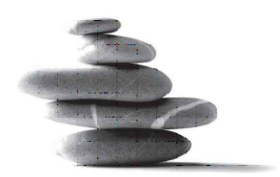


SADDLING BARN ROOF FRAMING PLAN

1 : 100

- ROOF DESIGN SNOW LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa

PRELIMINARY ROOF FRAMING
N.I.C. SHOWN FOR REFERENCE
ONLY



Revision	Description	Date
0	ISSUED FOR CONSTRUCTION FOUNDATION ONLY	Aug 30, 2018

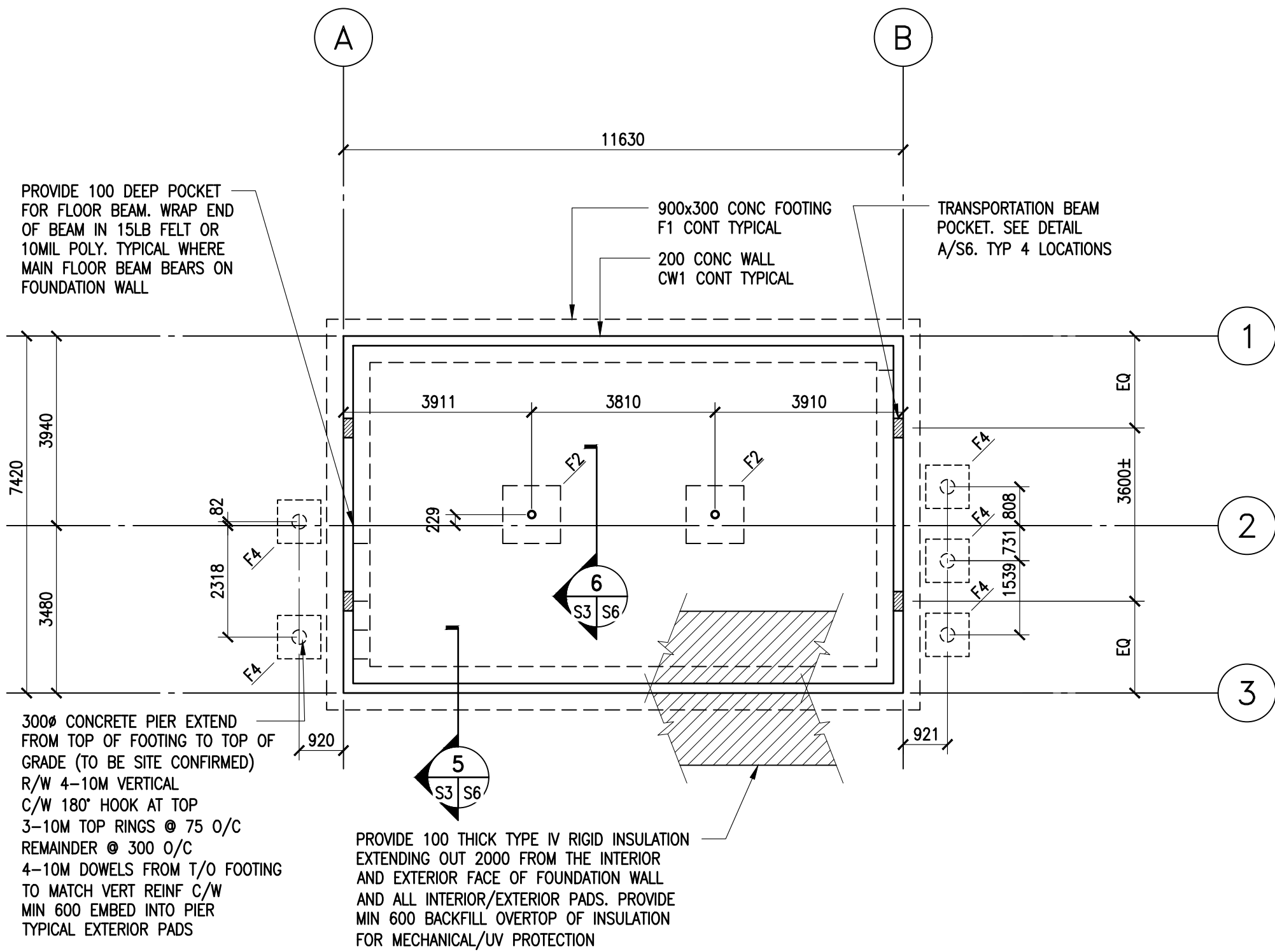
Client	PWGSC/TPSGC	
	ATB Place North Tower 10025 Jasper Ave, 5th Floor Edmonton, Alberta T5J 1S6	

Project title	SECTION 25, NE CORNER, TOWNSHIP ONE, RANGE 30, WEST OF THE 4TH WATERTON, ALBERTA	
	WATERTON LAKES NATIONAL PARK - ALPINE STABLES RECONSTRUCTION	

Designed by	AJG	
Drawn by	JLP	
Approved by	-	
PWGSC Project Manager	MICHAEL LYZANIWSKI	

Drawing title	FOUNDATIONS AND UNDERGROUND CIVIL WORK SADDLING BARN FRAMING PLANS	
---------------	---	--

Project no.	Drawing no.	Revision no.
R.096286.001	S2 OF	0



BUNK HOUSE FOUNDATION PLAN

1 : 100

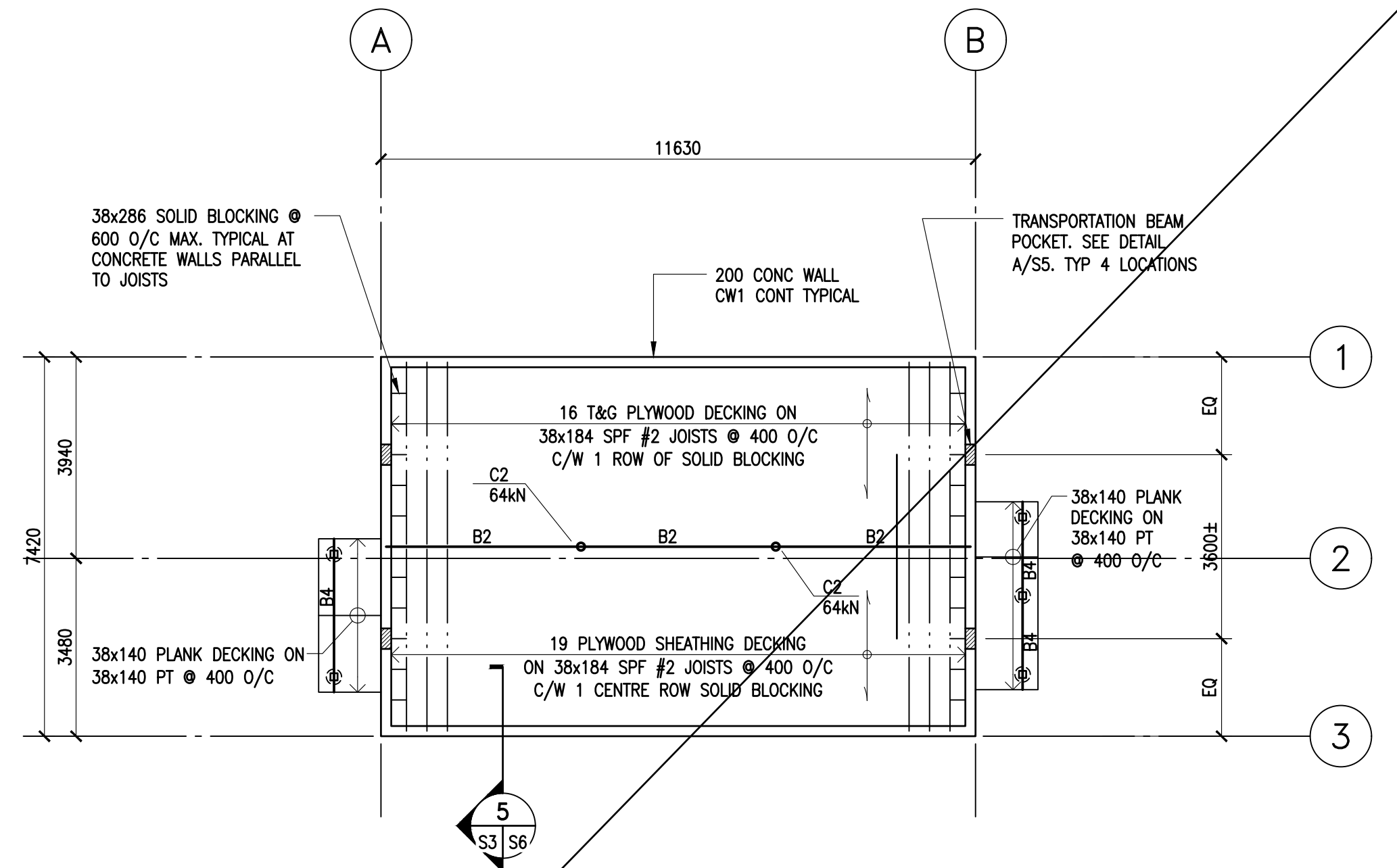
- DESIGN BEARING PRESSURE ULS = 250 kPa ($\phi=0.5$)
- SEE S1 FOR SCHEDULES.
- COORDINATE SIZE AND LOCATION OF ALL HOLES IN CONCRETE WALL WITH MECHANICAL AND ARCHITECTURAL PRIOR TO CONSTRUCTION. PROVIDE 1-15M EXTRA EACH FACE EACH SIDE OF OPENINGS. VERTICAL 15M EXTRA BARS TO EXTEND FULL HEIGHT OF WALL. HORIZONTAL TO EXTEND MINIMUM 600 PAST EDGE OF OPENING.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.

SUBGRADE BEARING SURFACE PREP NOTES:

- FOOTING TO BE FOUND ON MIN 150 LEVELLING COURSE OF COMPACTED GRANULAR ON COMPACT TO DENSE GRAVEL LAYER AT A DEPTH OF 1.5M± BELOW EXISTING GRADE.
- SUBGRADE BEARING SURFACE TO BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO STARTING FOOTING FORM WORK.

FOUNDATION BACKFILL NOTES:

- FOLLOWING INSTALLATION OF ALL UNDERGROUND RIGID INSULATION. BACKFILL FOUNDATION ON INTERIOR/EXTERIOR C/W 600 DEPTH OF GENERAL ENGINEERED FILL OVERTOP OF RIGID INSULATION.
- ON EXTERIOR ONLY, BACKFILL IN MAX 150 LIFTS COMPACTED TO 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (CORRECTED IF REQUIRED) IN ±2% OF THE OPTIMAL MOISTURE CONTENT
- PLACE BACKFILL EVENLY FROM INTERIOR/EXTERIOR TO MINIMIZE UNEQUAL SOIL PRESSURES
- DO NOT COMPACT BACKFILL ON INTERIOR
- FINAL BACKFILL OF FOUNDATION & FINISHING OF CRAWLSPACE TO OCCUR FOLLOWING INSTALLATION OF SUPERSTRUCTURE. (BY OTHERS N.I.C.)



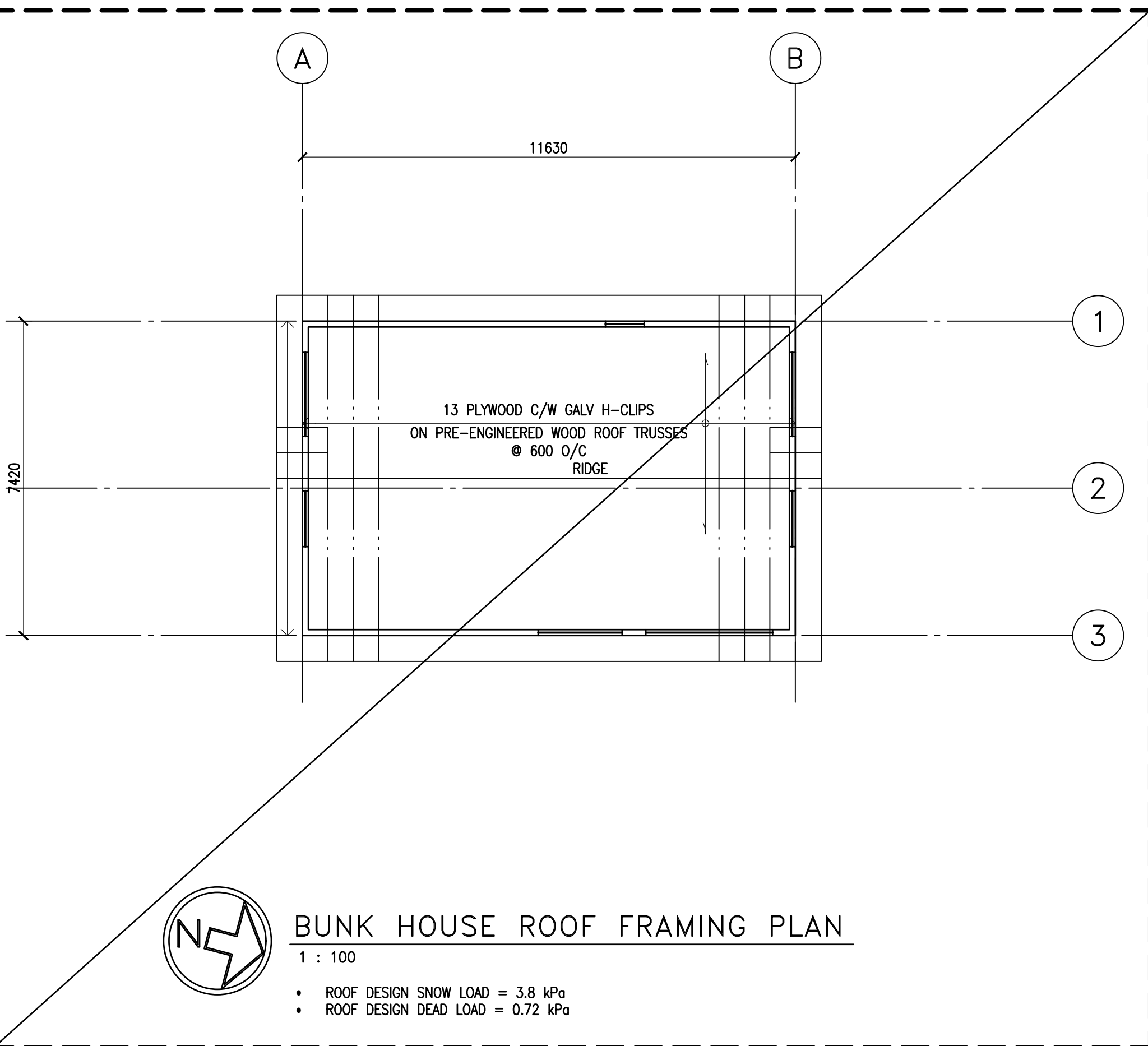
BUNK HOUSE MAIN FLOOR FRAMING PLAN

1 : 100

- FLOOR DESIGN LIVE LOAD = 1.92 kPa
- FLOOR DESIGN DEAD LOAD = 0.96 kPa
- SEE S1 FOR SCHEDULES.
- COORDINATE SIZE AND LOCATION OF ALL HOLES IN CONCRETE WALL WITH MECHANICAL AND ARCHITECTURAL PRIOR TO CONSTRUCTION. PROVIDE 1-15M EXTRA EACH FACE EACH SIDE OF OPENINGS. VERTICAL 15M EXTRA BARS TO EXTEND FULL HEIGHT OF WALL. HORIZONTAL TO EXTEND MINIMUM 600 PAST EDGE OF OPENING.

PRELIMINARY MAIN FLOOR FRAMING
AND RELATED DETAILS N.I.C.
SHOWN FOR REFERENCE ONLY

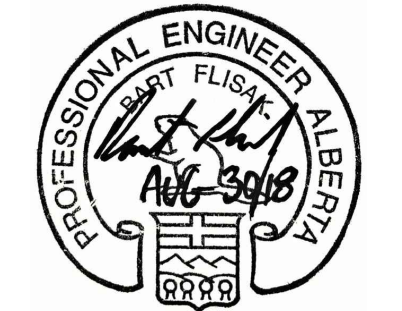
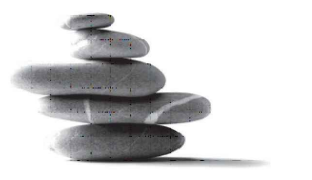
PRELIMINARY ROOF FRAMING
N.I.C. SHOWN FOR REFERENCE
ONLY



BUNK HOUSE ROOF FRAMING PLAN

1 : 100

- ROOF DESIGN SNOW LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa



Revision	Description	Date
0	ISSUED FOR CONSTRUCTION FOUNDATION ONLY	Aug 30, 2018

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA

WATERTON LAKES
NATIONAL PARK - ALPINE
STABLES RECONSTRUCTION

Designed by
AJG

Drawn by
JLP

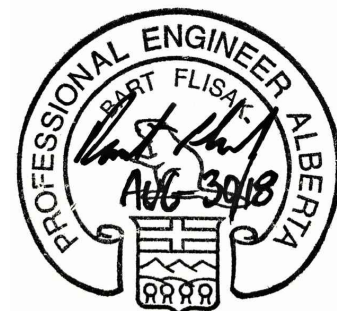
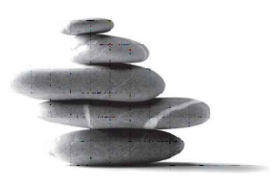
Approved by
-

PWGSC Project Manager
MICHAEL LYZANIWSKI

Drawing title

FOUNDATIONS AND
UNDERGROUND CIVIL WORK
BUNK HOUSE
FRAMING PLANS

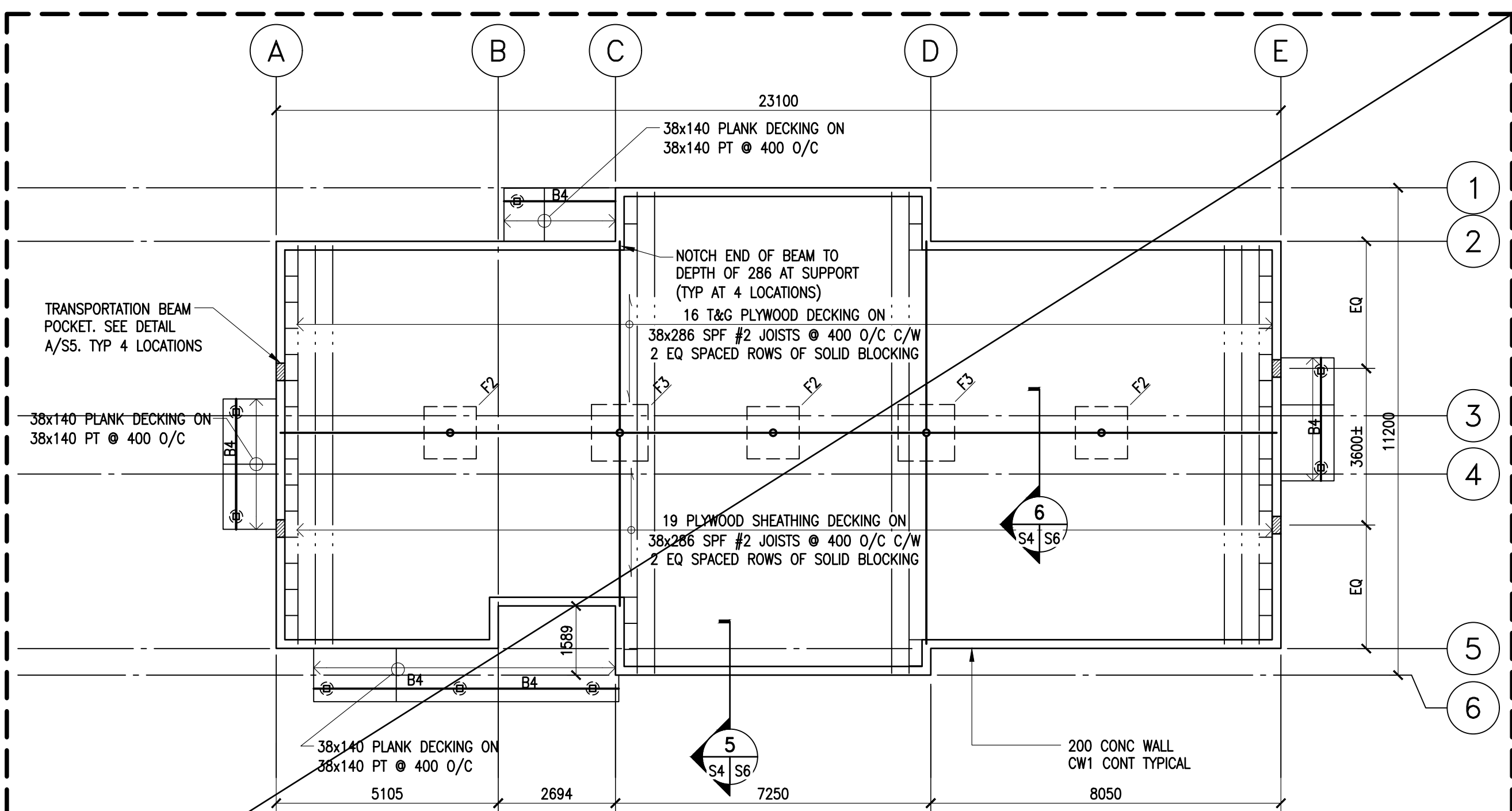
Project no.	Drawing no.	Revision no.
R.096286.001	S3 OF	0



ALPINE COTTAGE FOUNDATION PLAN

1 : 100

- DESIGN BEARING PRESSURE ULS = 250 kPa ($\phi=0.5$)
- SEE S1 FOR SCHEDULES.
- COORDINATE SIZE AND LOCATION OF ALL HOLES IN CONCRETE WALL WITH MECHANICAL AND ARCHITECTURAL PRIOR TO CONSTRUCTION. PROVIDE 1-15M EXTRA EACH FACE EACH SIDE OF OPENINGS. VERTICAL 15M EXTRA BARS TO EXTEND FULL HEIGHT OF WALL. HORIZONTAL TO EXTEND MINIMUM 600 PAST EDGE OF OPENING.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.

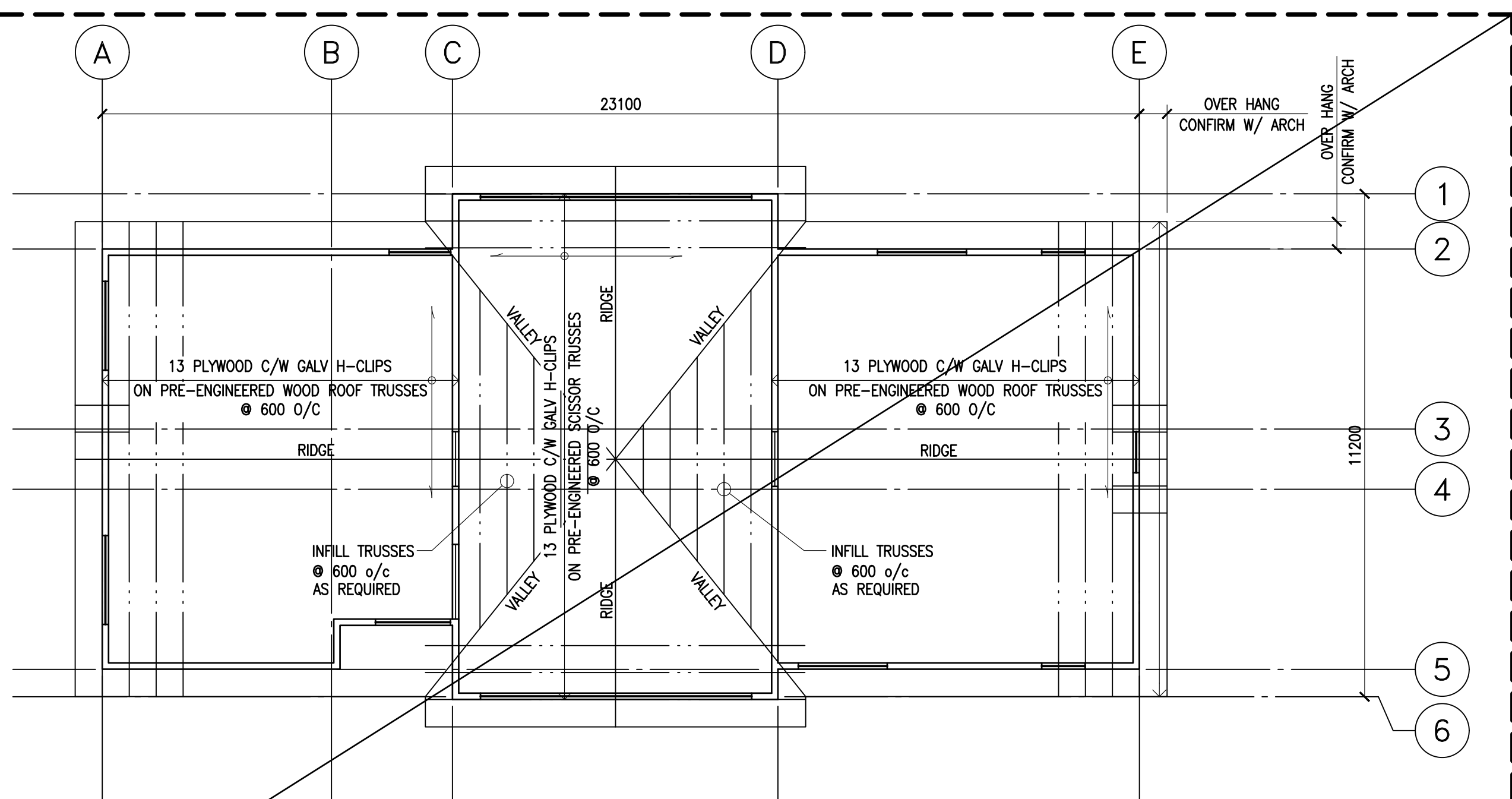


ALPINE COTTAGE MAIN FLOOR FRAMING PLAN

1 : 100

- FLOOR DESIGN LIVE LOAD = 1.92 kPa
- FLOOR DESIGN DEAD LOAD = 0.96 kPa
- SEE S1 FOR SCHEDULES.
- COORDINATE SIZE AND LOCATION OF ALL HOLES IN CONCRETE WALL WITH MECHANICAL AND ARCHITECTURAL PRIOR TO CONSTRUCTION. PROVIDE 1-15M EXTRA EACH FACE EACH SIDE OF OPENINGS. VERTICAL 15M EXTRA BARS TO EXTEND FULL HEIGHT OF WALL. HORIZONTAL TO EXTEND MINIMUM 600 PAST EDGE OF OPENING.

PRELIMINARY MAIN FLOOR FRAMING
AND RELATED DETAILS N.I.C.
SHOWN FOR REFERENCE ONLY

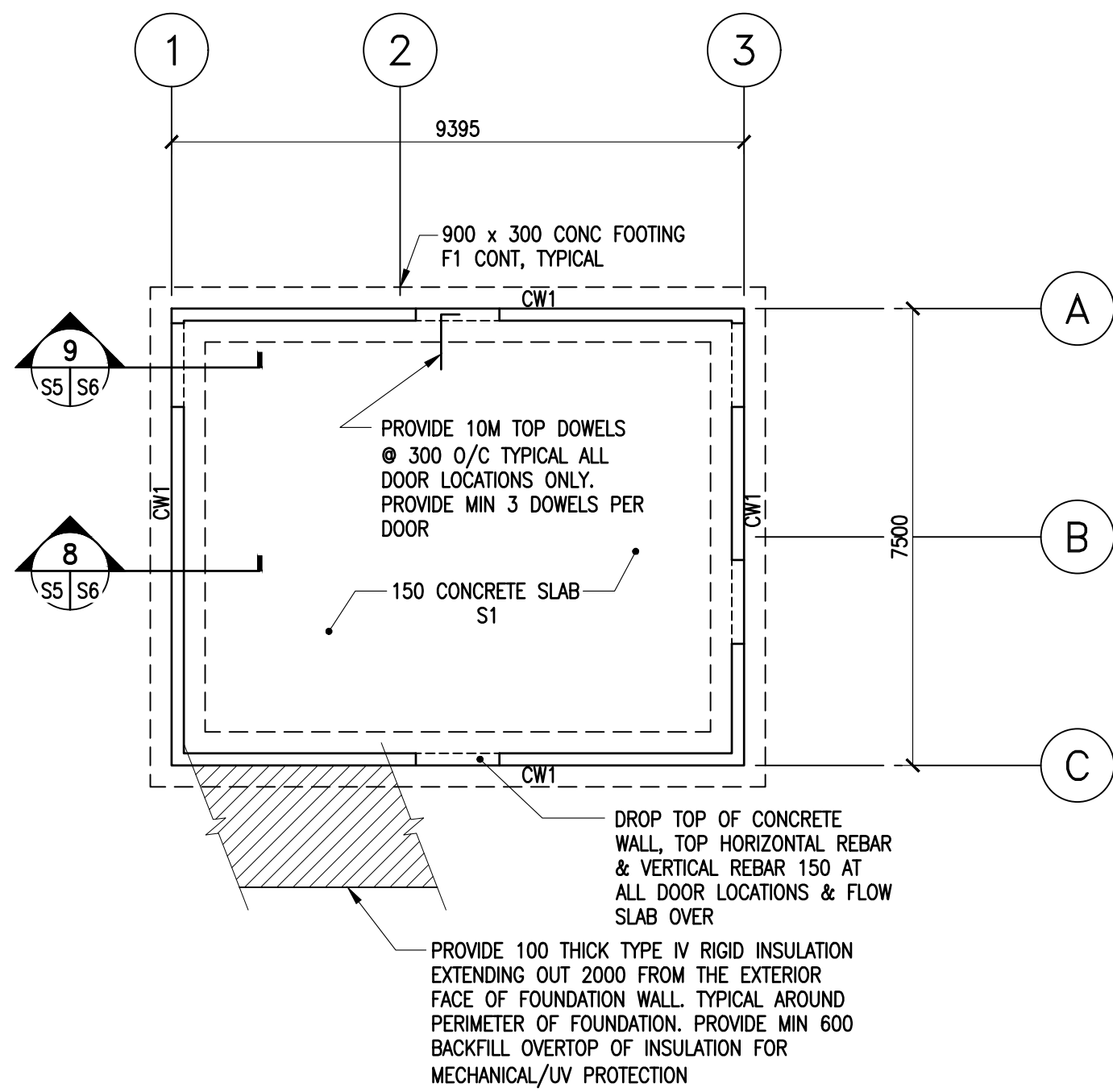


ALPINE COTTAGE ROOF FRAMING PLAN

1 : 100

- ROOF DESIGN SNOW LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa

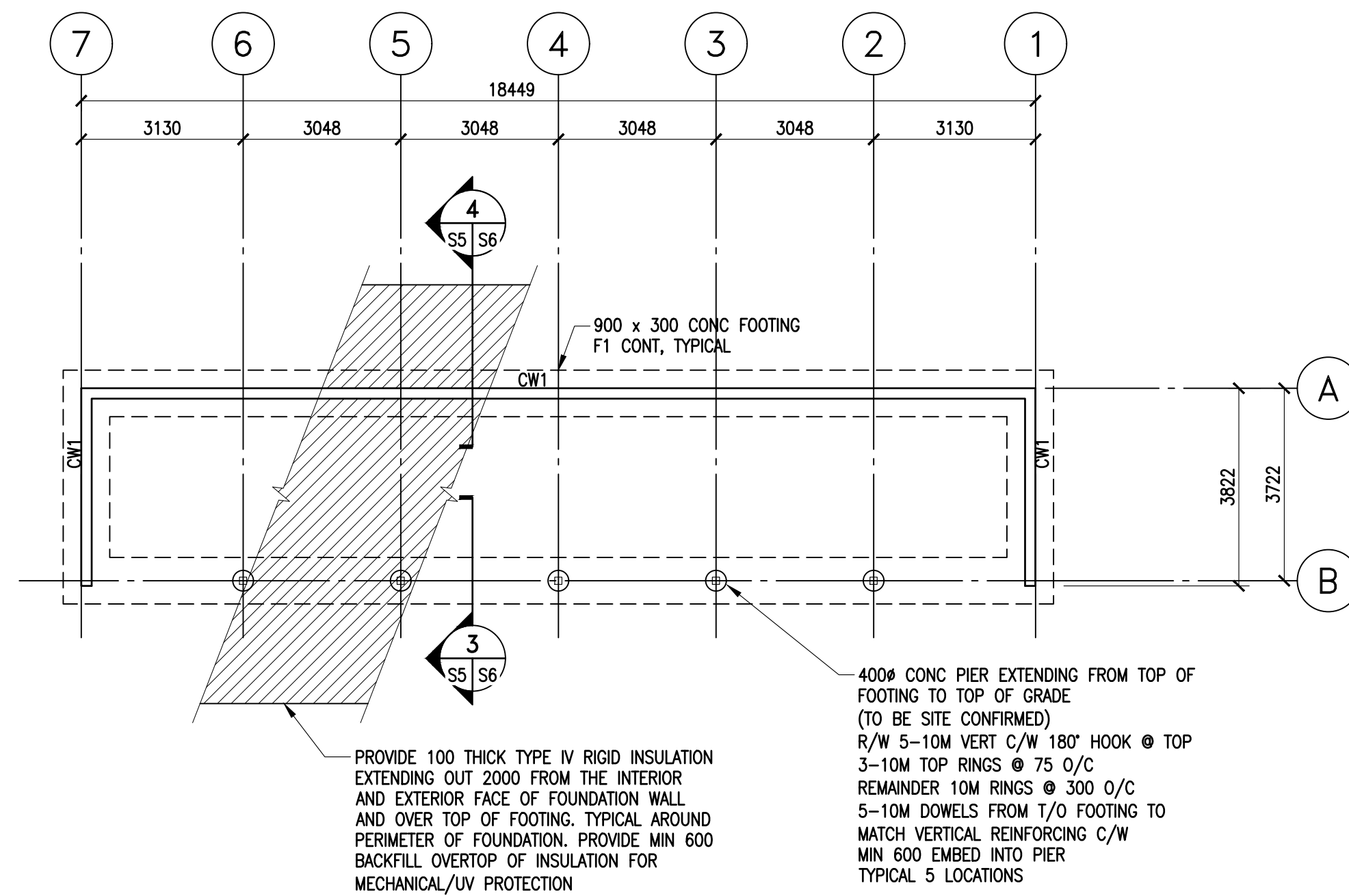
PRELIMINARY ROOF FRAMING
N.I.C. SHOWN FOR REFERENCE
ONLY



BOARDING BARN FOUNDATION/MAIN FLOOR FRAMING PLAN

1 : 100

- FLOOR DESIGN LIVE LOAD = 4.8 kPa
- FLOOR DESIGN DEAD LOAD = 3.6 kPa
- DESIGN BEARING PRESSURE = 250 kPa ($\theta=0.5$)
- TOP OF CONCRETE BEAM CB1 TO BE MIN 150 ABOVE FLOOR/EXTERIOR GRADE U/N.
- SEE S1 FOR SCHEDULES.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.



WEATHER SHELTER FOUNDATION/MAIN FLOOR FRAMING PLAN

1 : 100

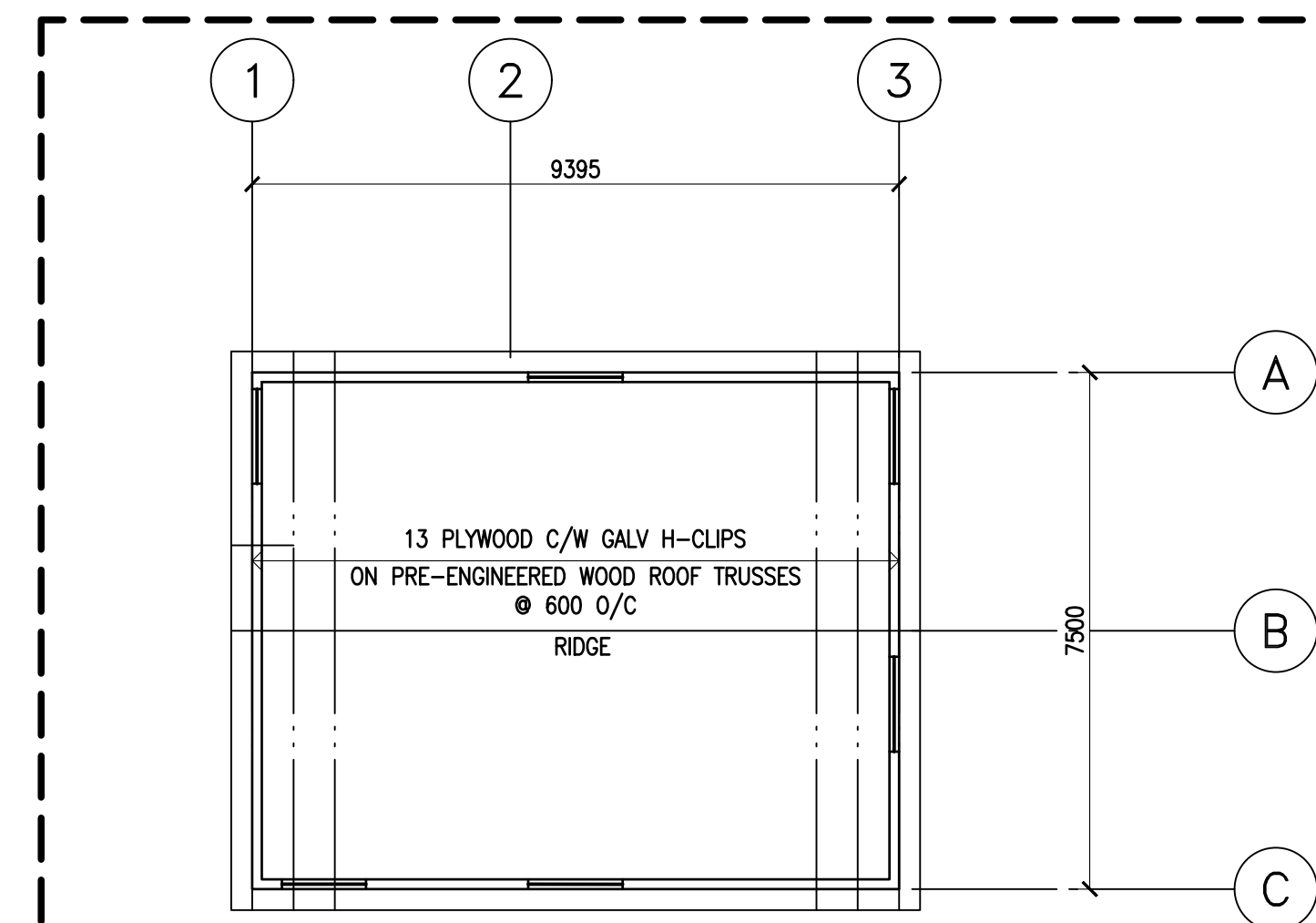
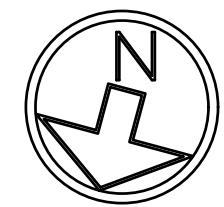
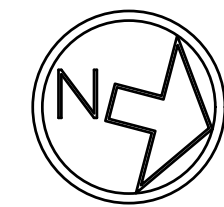
- FLOOR DESIGN LIVE LOAD = 4.8 kPa
- FLOOR DESIGN DEAD LOAD = 3.6 kPa
- DESIGN BEARING PRESSURE = 250 kPa ($\theta=0.5$)
- NO CONCRETE SLAB REQUIRED, REFER TO ARCH FOR FLOOR FINISH
- TOP OF CONCRETE BEAM CB1 TO BE MIN 150 ABOVE FLOOR/EXTERIOR GRADE
- SEE S1 FOR SCHEDULES.
- EXTERIOR UNDERGROUND RIGID INSULATION SHALL BE SANDWICHED BETWEEN 2 LAYERS OF 75mm BEDDING SAND AND SLOPED AWAY FROM STRUCTURE 1%.

SUBGRADE BEARING SURFACE PREP NOTES:

- FOOTING TO BE FOUNDED ON MIN 150 LEVELLING COURSE OF COMPACTED GRANULAR ON COMPACT TO DENSE GRAVEL LAYER AT A DEPTH OF 1.5M± BELOW EXISTING GRADE.
- SUBGRADE BEARING SURFACE TO BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO STARTING FOOTING FORM WORK.

FOUNDATION BACKFILL NOTES:

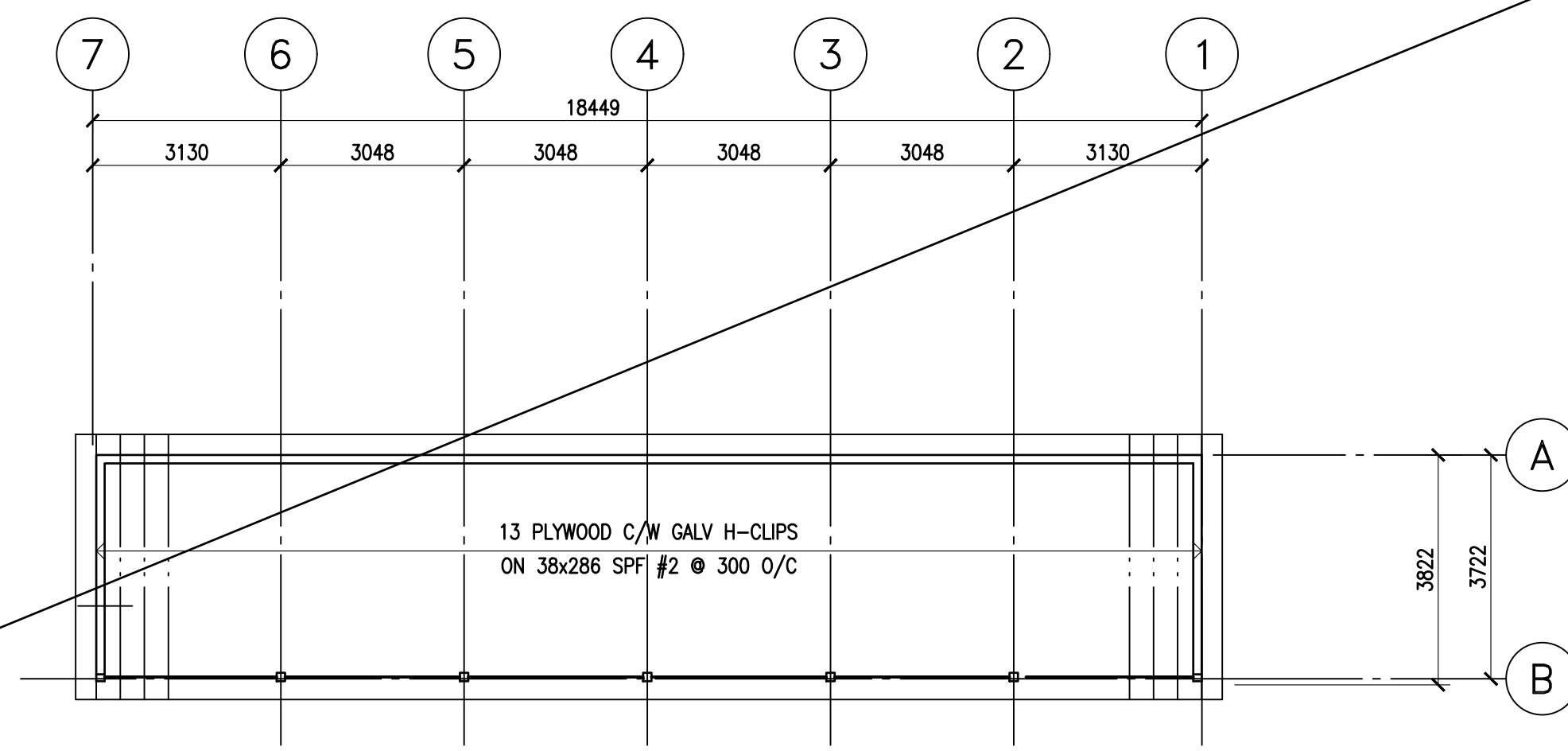
- FOLLOWING INSTALLATION OF ALL UNDERGROUND RIGID INSULATION. BACKFILL FOUNDATION ON INTERIOR/EXTERIOR C/W GENERAL ENGINEERED FILL PLACED IN MAX 150 LIFTS, COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (CORRECTED IF REQUIRED) WITHIN $\pm 2\%$ OF THE OPTIMAL MOISTURE CONTENT.
- PLACE BACKFILL EVENLY FROM INTERIOR/EXTERIOR TO MINIMIZE UNEQUAL SOIL PRESSURES
- FOR BOARDING BARN ONLY, BACKFILL ON INTERIOR UP TO 550± BELOW TOP OF MAIN FLOOR SLAB ELEVATION TO ALLOW FOR ALL UNDERSLAB PREP TO BE COMPLETED AS PER THE SCHEDULE/SPEC.



BOARDING BARN ROOF FRAMING PLAN

1 : 100

- ROOF DESIGN LIVE LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa

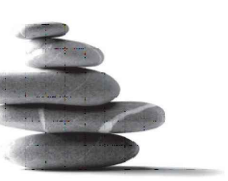


WEATHER SHELTER ROOF FRAMING PLAN

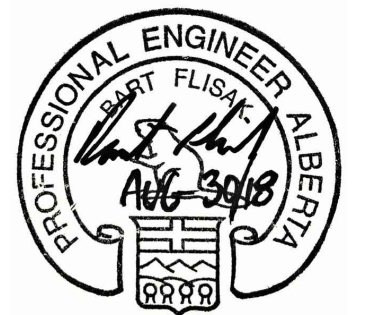
1 : 100

- ROOF DESIGN LIVE LOAD = 3.8 kPa
- ROOF DESIGN DEAD LOAD = 0.72 kPa

PRELIMINARY ROOF FRAMING
N.I.C. SHOWN FOR REFERENCE
ONLY



Crosier Kilgour
& Partners Ltd.
CONSULTING STRUCTURAL ENGINEERS



Revision	Description	Date
0	ISSUED FOR CONSTRUCTION FOUNDATION ONLY	Aug 30, 2018

Client

PWGSC/TPSGC

ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6

Project title

SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA

WATERTON LAKES
NATIONAL PARK - ALPINE
STABLES RECONSTRUCTION

Designed by

AJG

Drawn by

JLP

Approved by

-

PWGSC Project Manager

MICHAEL LYZANIWSKI

Drawing title

FOUNDATION AND
UNDERGROUND CIVIL WORK
BOARDING BARN & WEATHER SHELTER
FRAMING PLANS

Project no.

R.096286.001

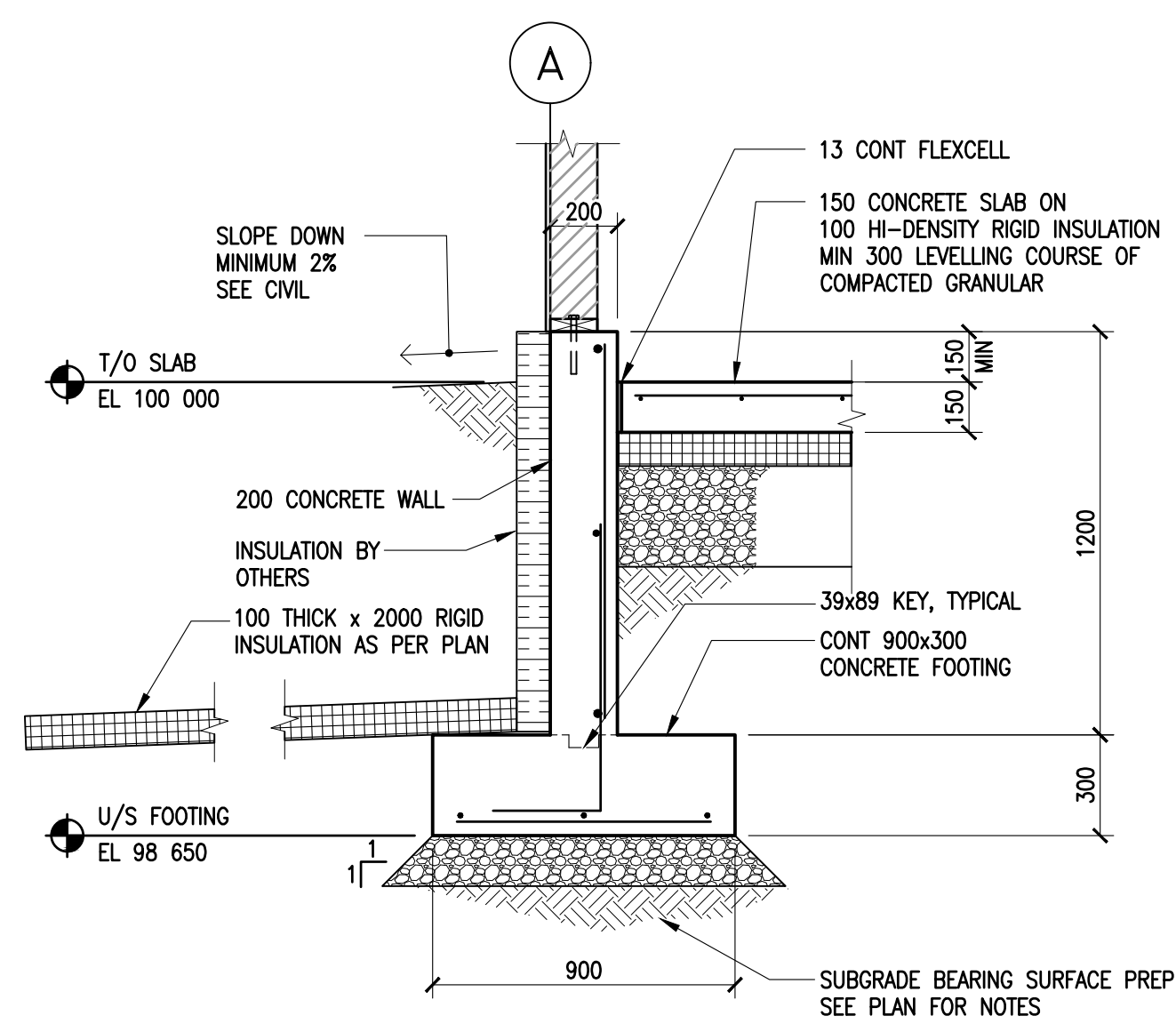
Drawing no.

S5

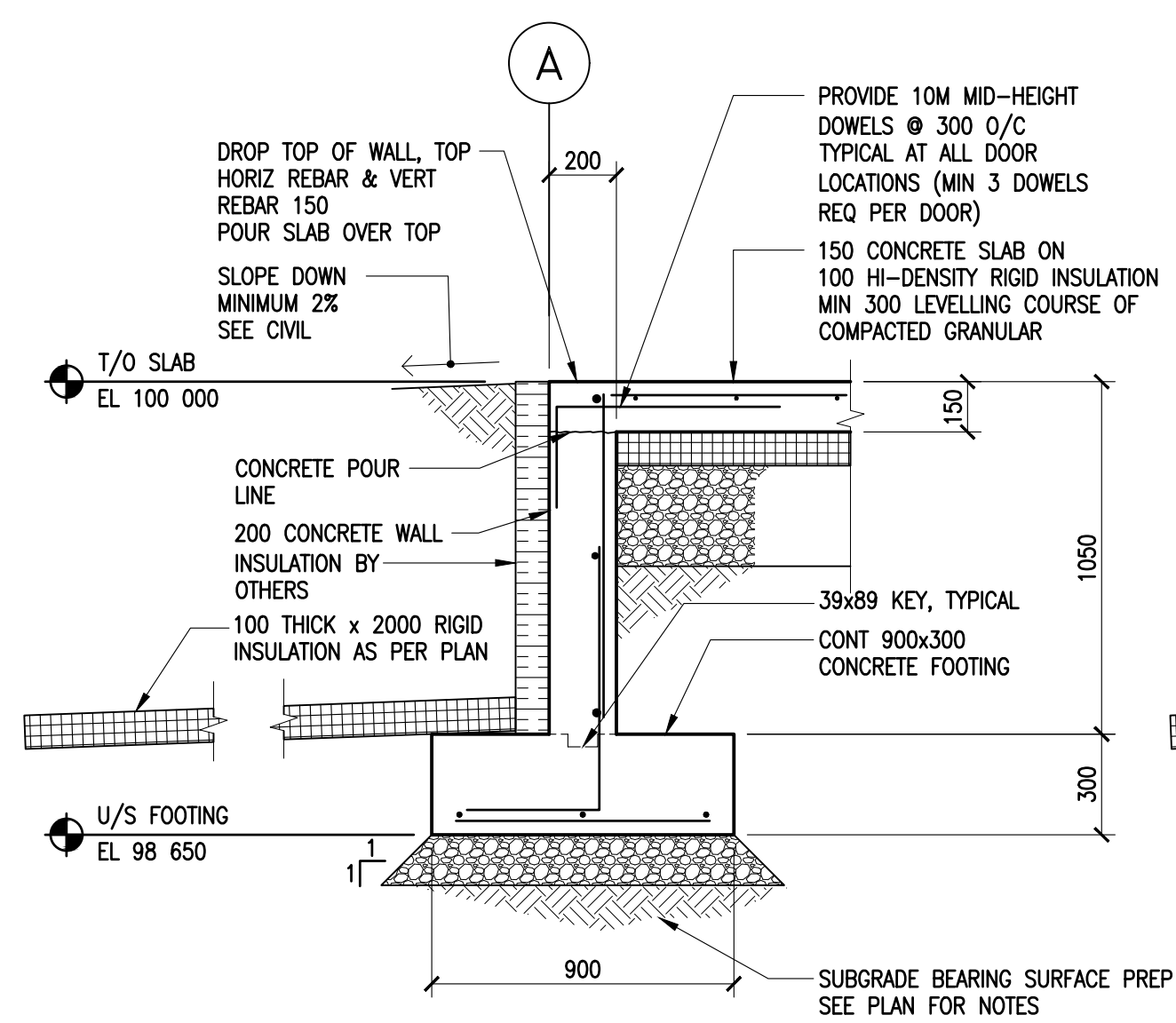
Revision no.

0

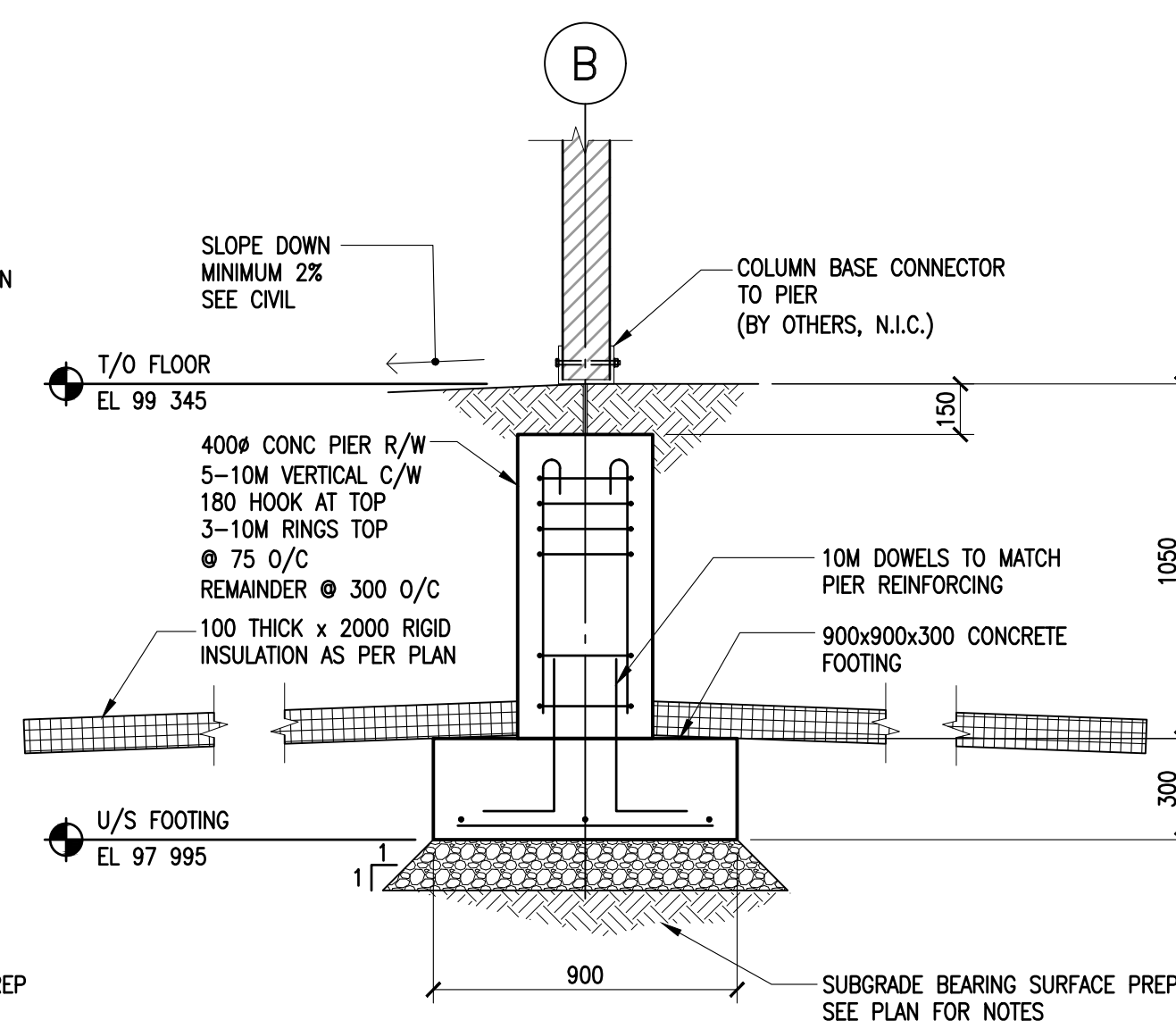
OF



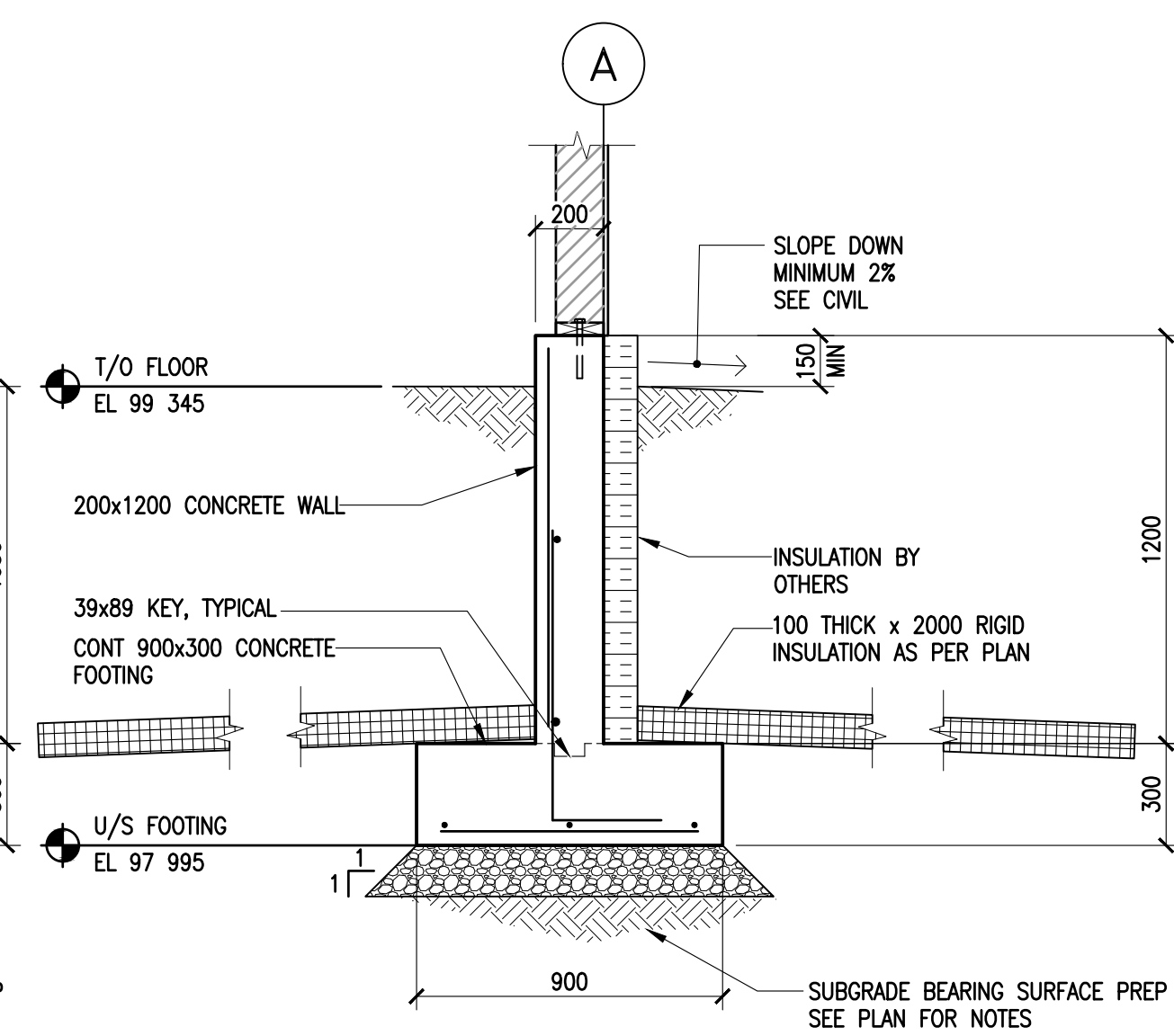
1 SECTION
S2 | S6 1 : 20



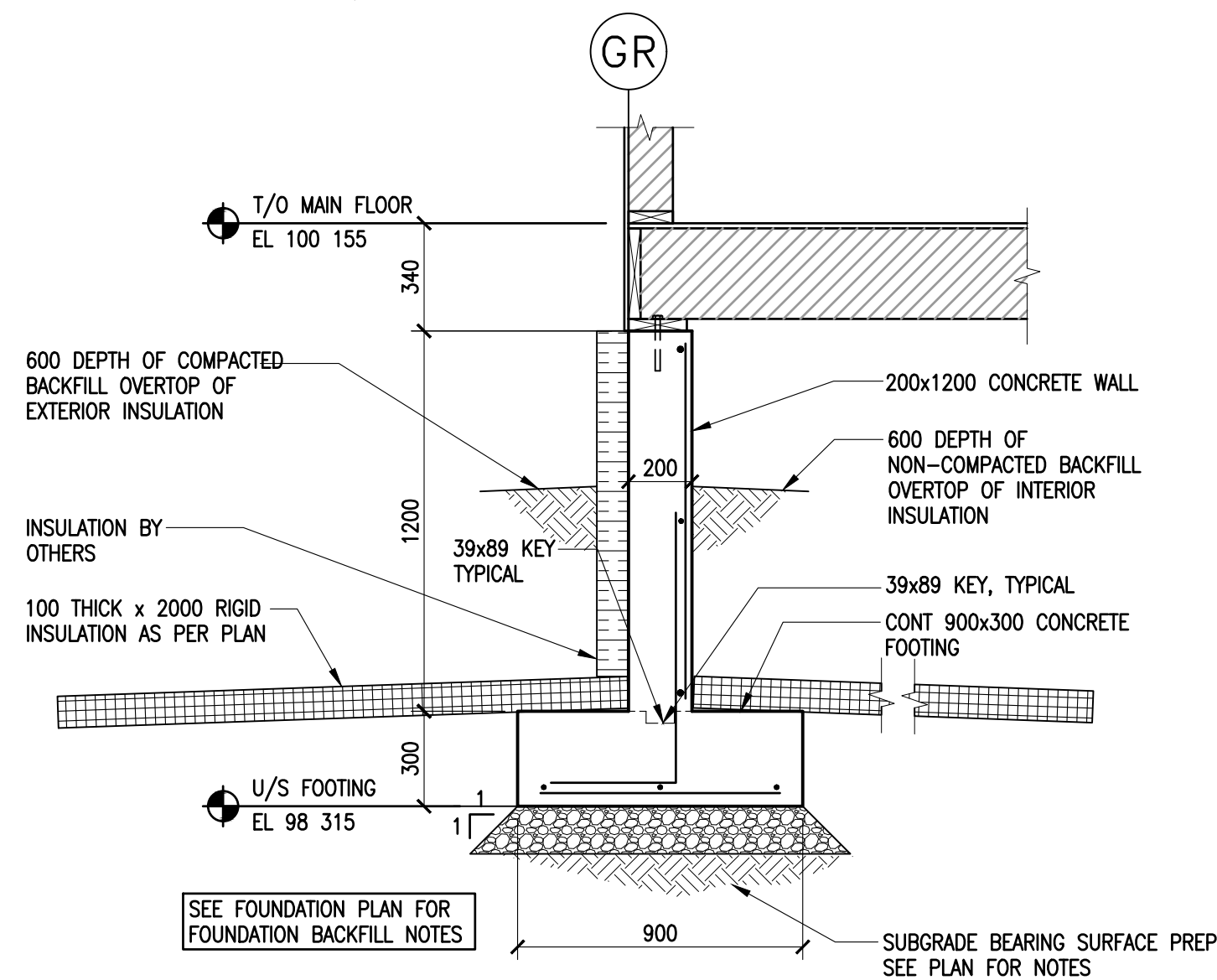
2 SECTION
S2 S6 1 : 20



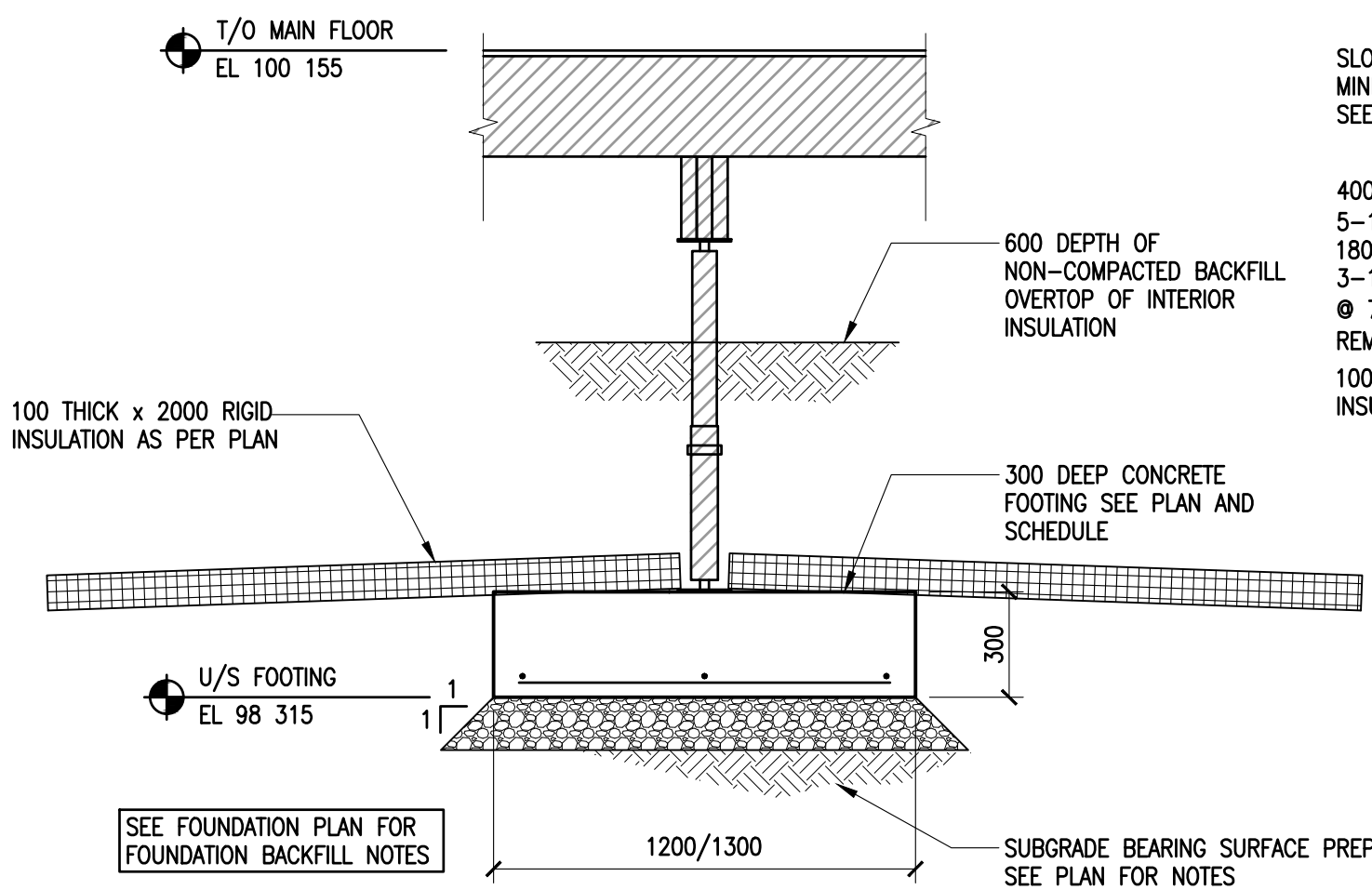
3 SECTION
S5 | S6 1 : 20



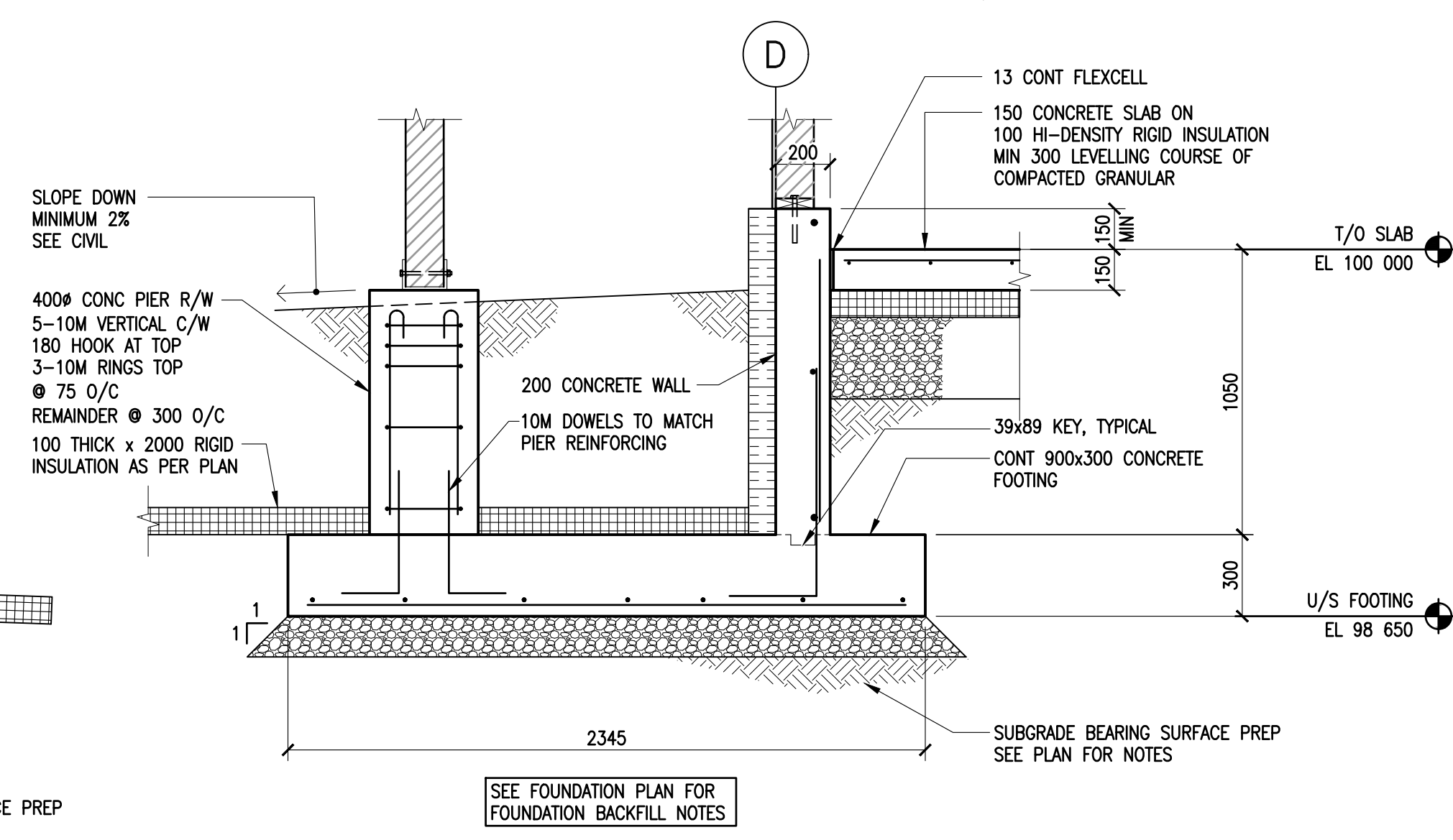
4 SECTION
S5 | S6 1 : 20



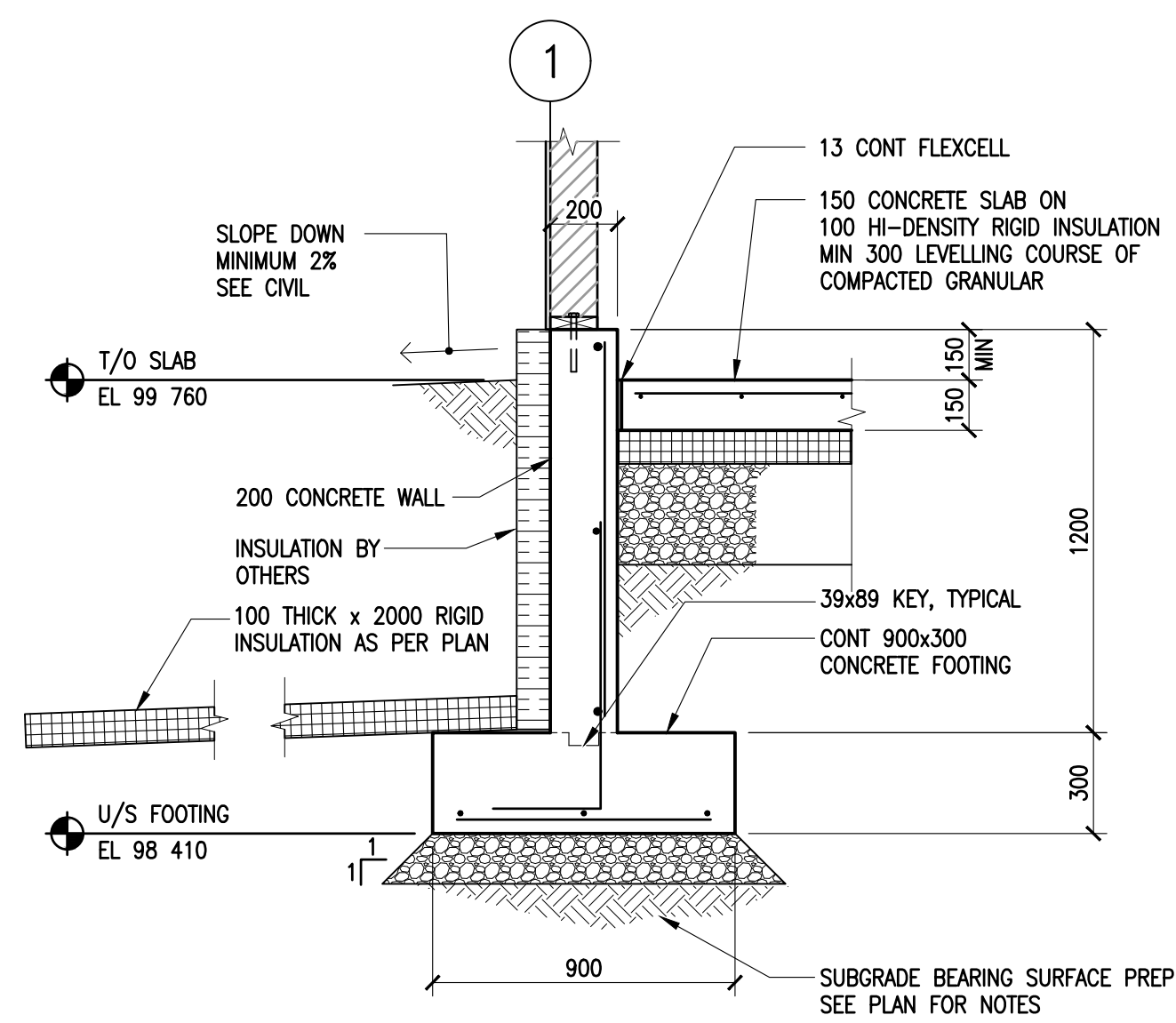
5 SECTION
S3/S4 | S6 1 : 20



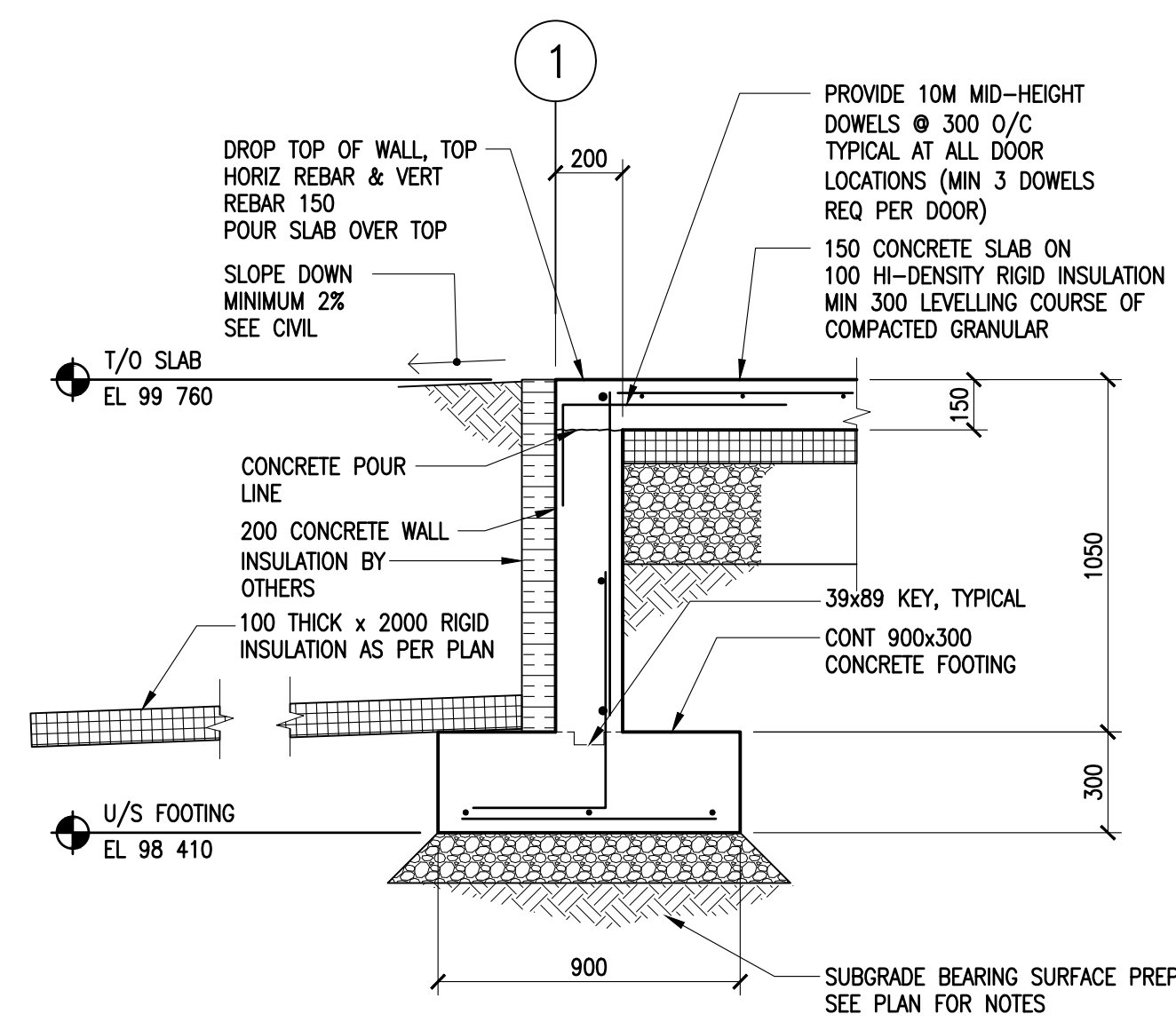
6 SECTION
S3/S4 S6 1 : 20



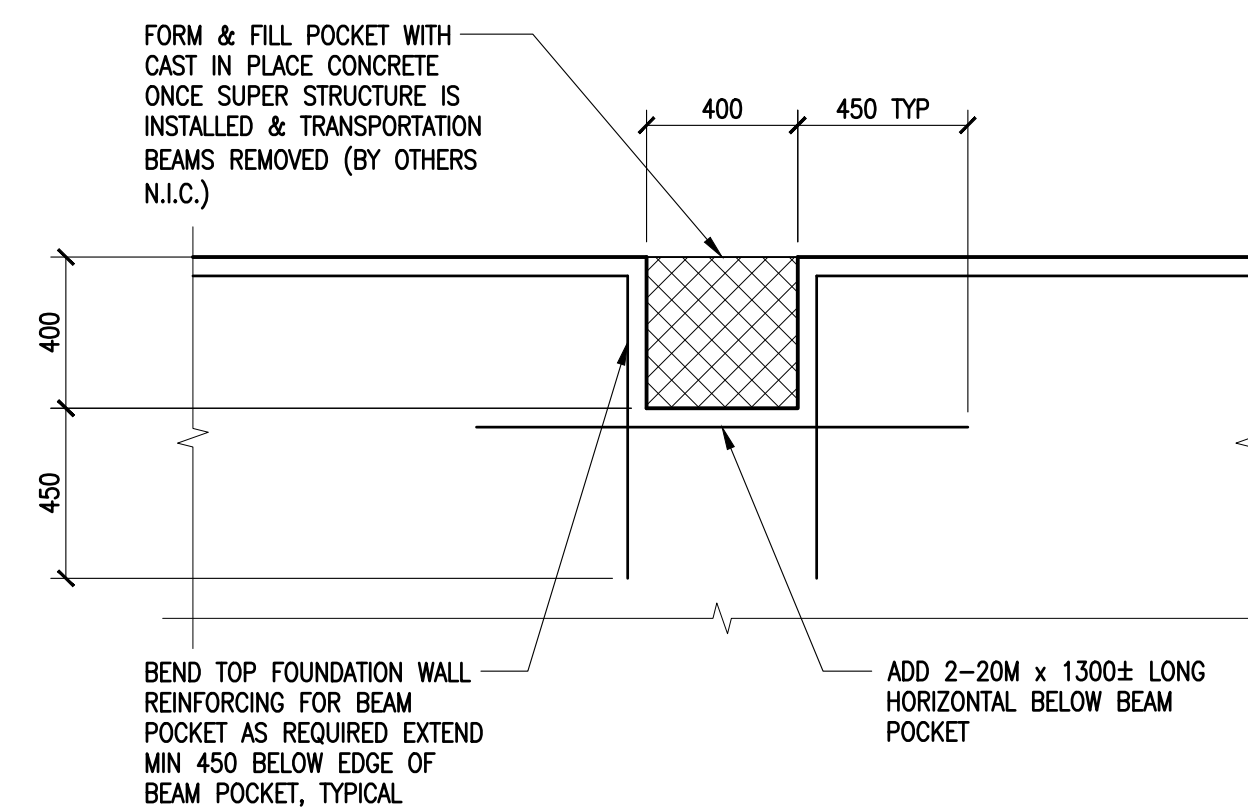
7 SECTION
S2 | S6 1 : 20



8 SECTION
S5 S6 1 : 20



9 SECTION
S5 S6 1 : 20



GENERAL NOTES

- A. DRAWINGS ARE SCHEMATIC, DO NOT SCALE.
B. COORDINATE EXACT LOCATIONS FOR ROUGH IN OF PIPING WITH BUILDING PACKAGE CONTRACTOR.

KEY NOTES

1. PROVIDE ROUGH-IN FOR RADON GAS SUB FLOOR DEPRESSURIZATION SYSTEM AS PER ALBERTA BUILDING CODE REQUIREMENTS, PIPE TO BE SEALED AIRTIGHT ABOVE FLOOR FOR FUTURE USE.
2. EXTEND SANITARY PIPE ABOVE CRAWLSPACE SLAB AND CAP OFF FOR FUTURE CONNECTION.
3. EXTEND DOMESTIC WATER PIPE ABOVE CRAWLSPACE SLAB, PROVIDE SHUT OFF VALVE AND CAP OFF FOR FUTURE CONNECTION.
4. REFER TO CIVIL DRAWING FOR CONTINUATION.
5. PROVIDE BACKWATER VALVE.
6. COORDINATE SUMP PIT LOCATION WITH ARCHITECTURAL DRAWINGS.
7. PROVIDE UNDERGROUND DRAINAGE FOR FUTURE PLUMBING FIXTURES, CAP OFF PIPING ABOVE SLAB.
8. ROUGH IN PIPING FOR FLOOR DRAIN TRAP PRIMING SYSTEM, CONNECTION TO SYSTEM SHALL BE LOCATED IN UTILITY ROOM.

770 Bradford Street
Winnipeg, Canada
T 204 775 0291
SMSeng.com
18-123-01



ENGINEERING



Revision	Description	Date
2	Issued for Construction	2018 08 30
1	Issued for 100% Construction Document Submission	2018 08 30
0	90% Construction Documents Submission	2018 07 12

Client

PWGSC/TPSGC

**ATB Place North Tower
10025 Jasper Ave, 5th Floor
Edmonton, Alberta T5J 1S6**

Project title

**SECTION 25, NE CORNER, TOWNSHIP ONE,
RANGE 30, WEST OF THE 4TH
WATERTON, ALBERTA**

**WATERTON LAKES
NATIONAL PARK - ALPINE
STABLES RECONSTRUCTION**

Designed by
JRB

Drawn by
IE


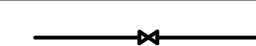
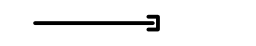
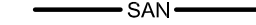

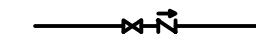
Approved by
JRB

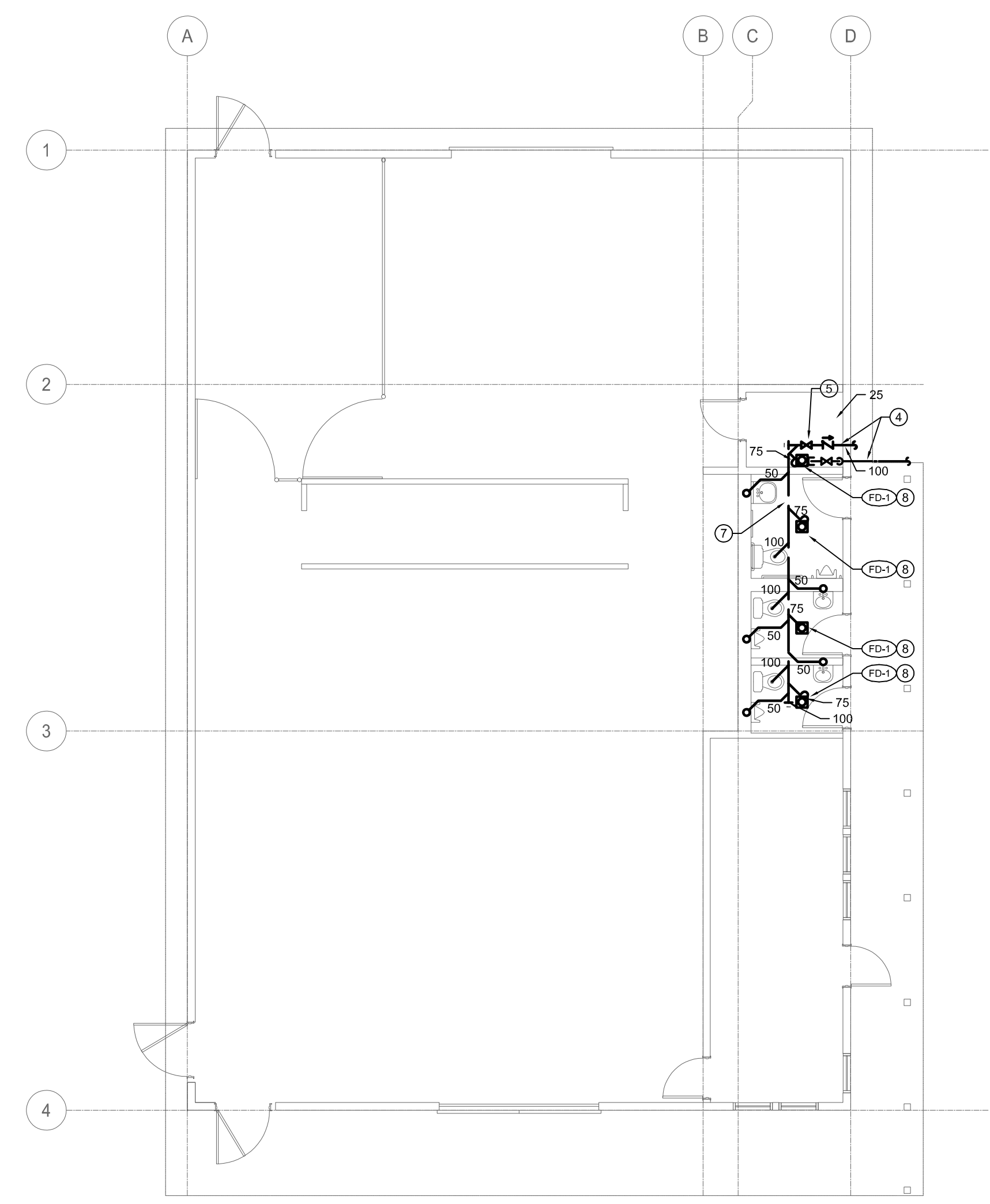
PWGSC Project Manager
MICHAEL LYZANIEWSKI

Drawing title

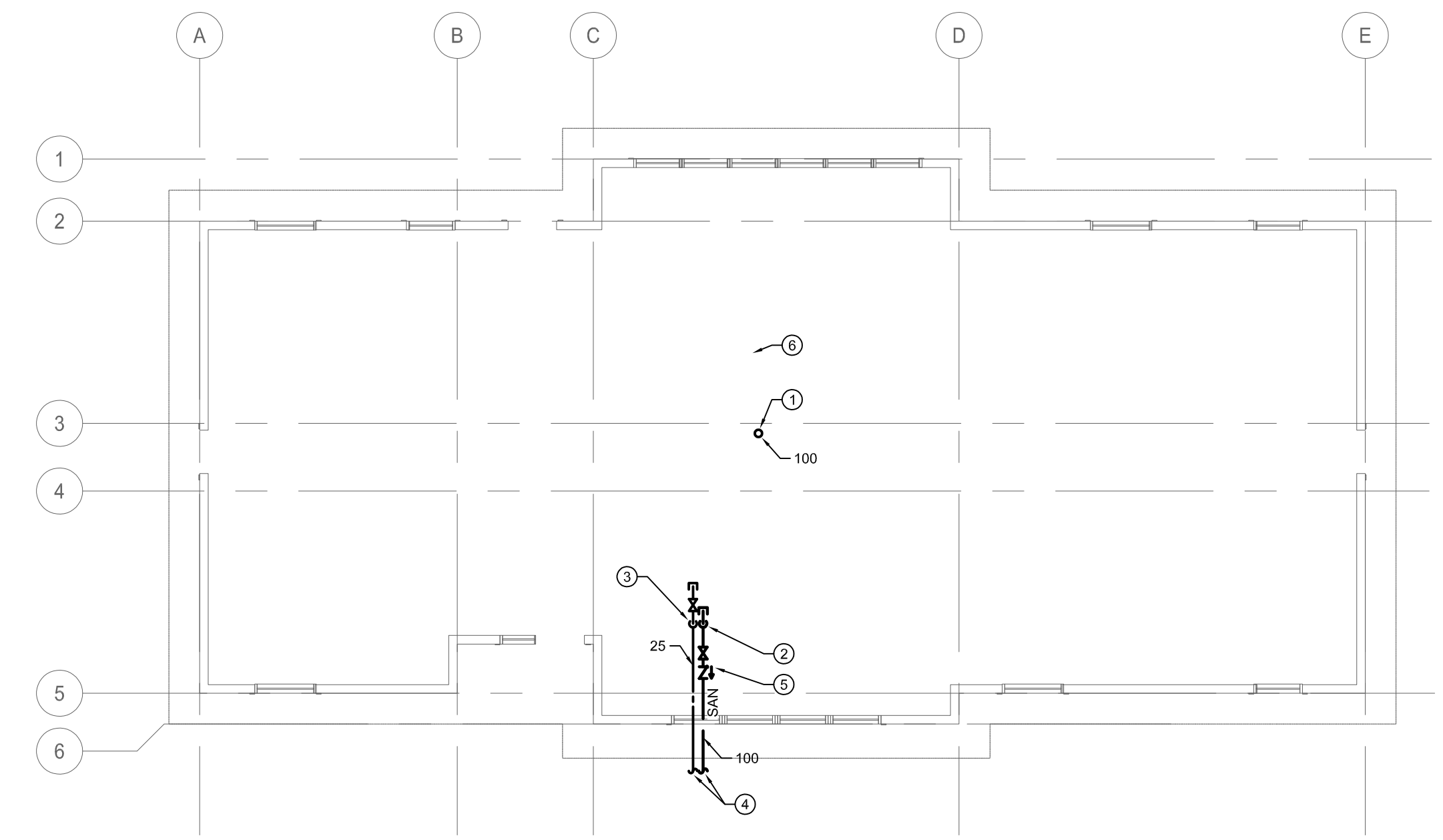
**FOUNDATION PACKAGE
MECHANICAL
NEW CONSTRUCTION**

Project no.	Drawing no.	Revision no.
R.096286.001	M1 OF 1	2

SYMBOL LEGEND	
	DOMESTIC COLD WATER
	SHUT-OFF VALVE
	PIPE CAP
	SANITARY WASTE ABOVE FLOOR OR GRADE
	SANITARY WASTE BELOW FLOOR OR GRADE
	BACKWATER VALVE

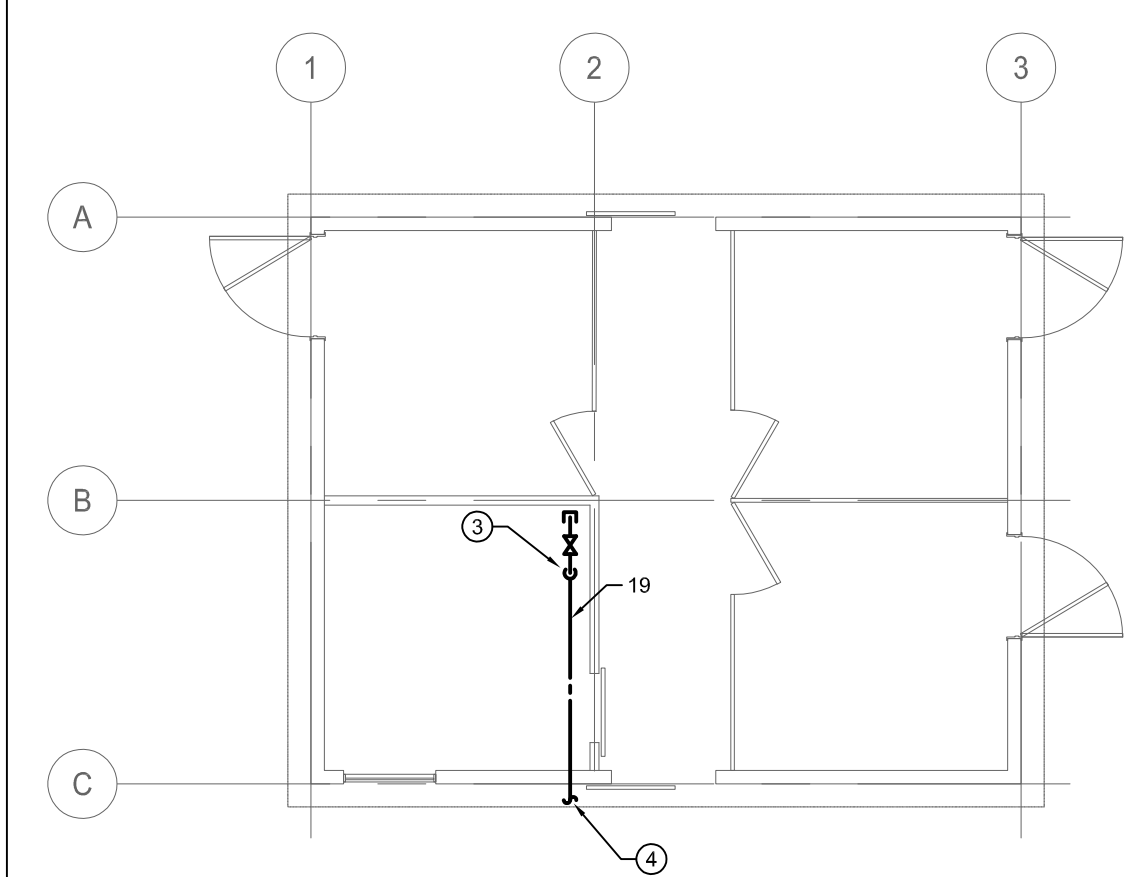
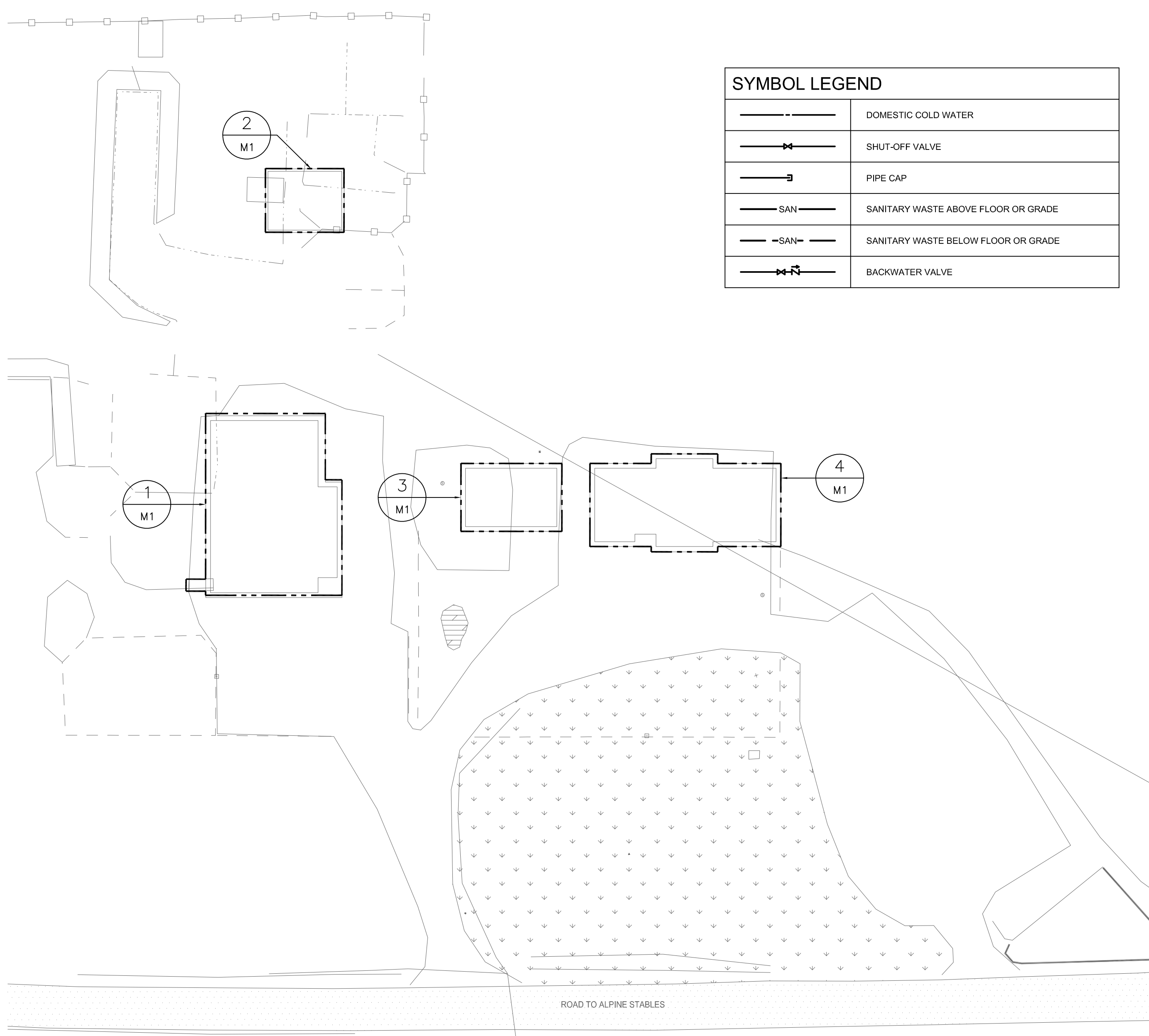


1 SADDLING BARN FLOOR PLAN - MECHANICAL
SCALE: 1:100

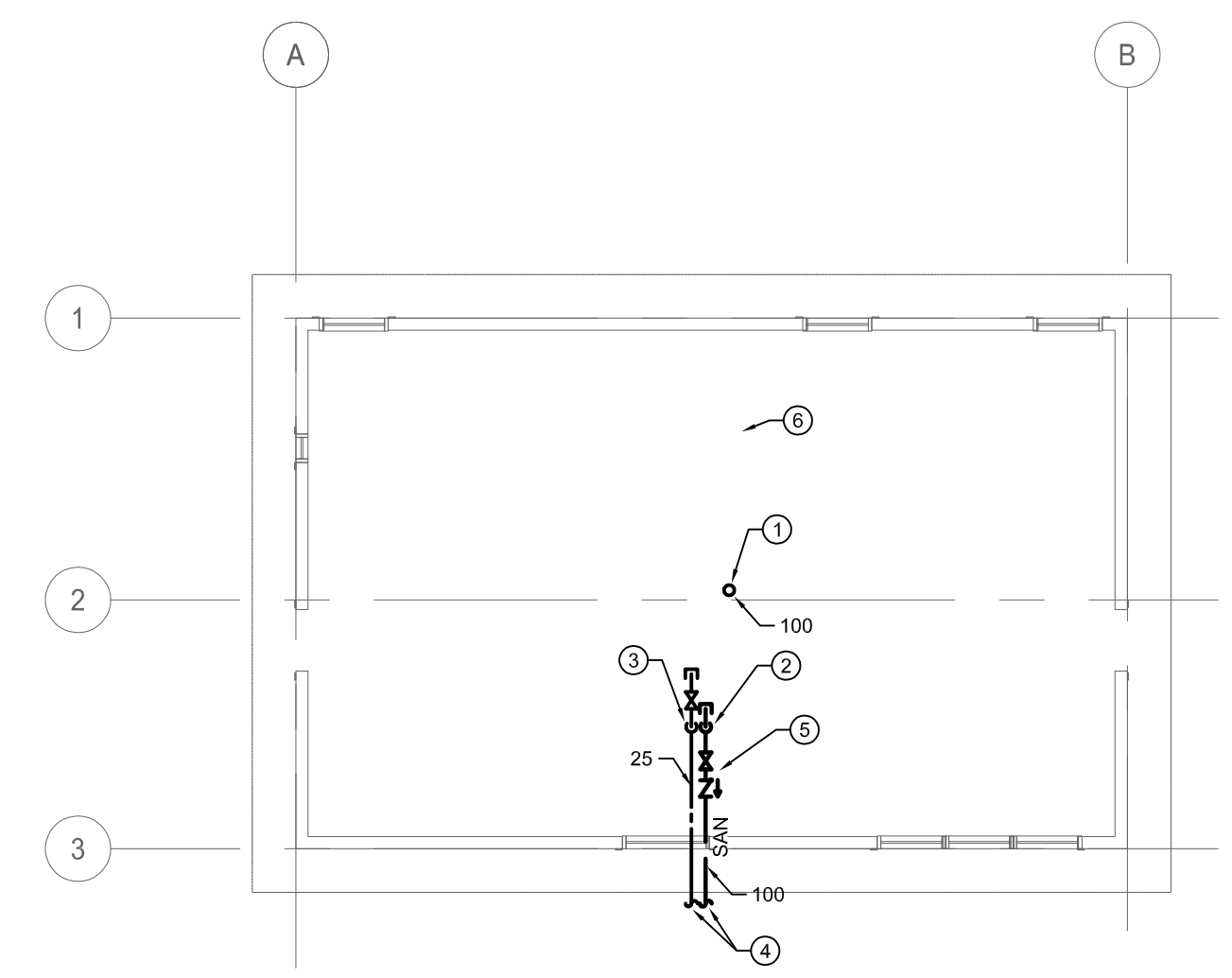


4 ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - MECHANICAL
SCALE: 1:100

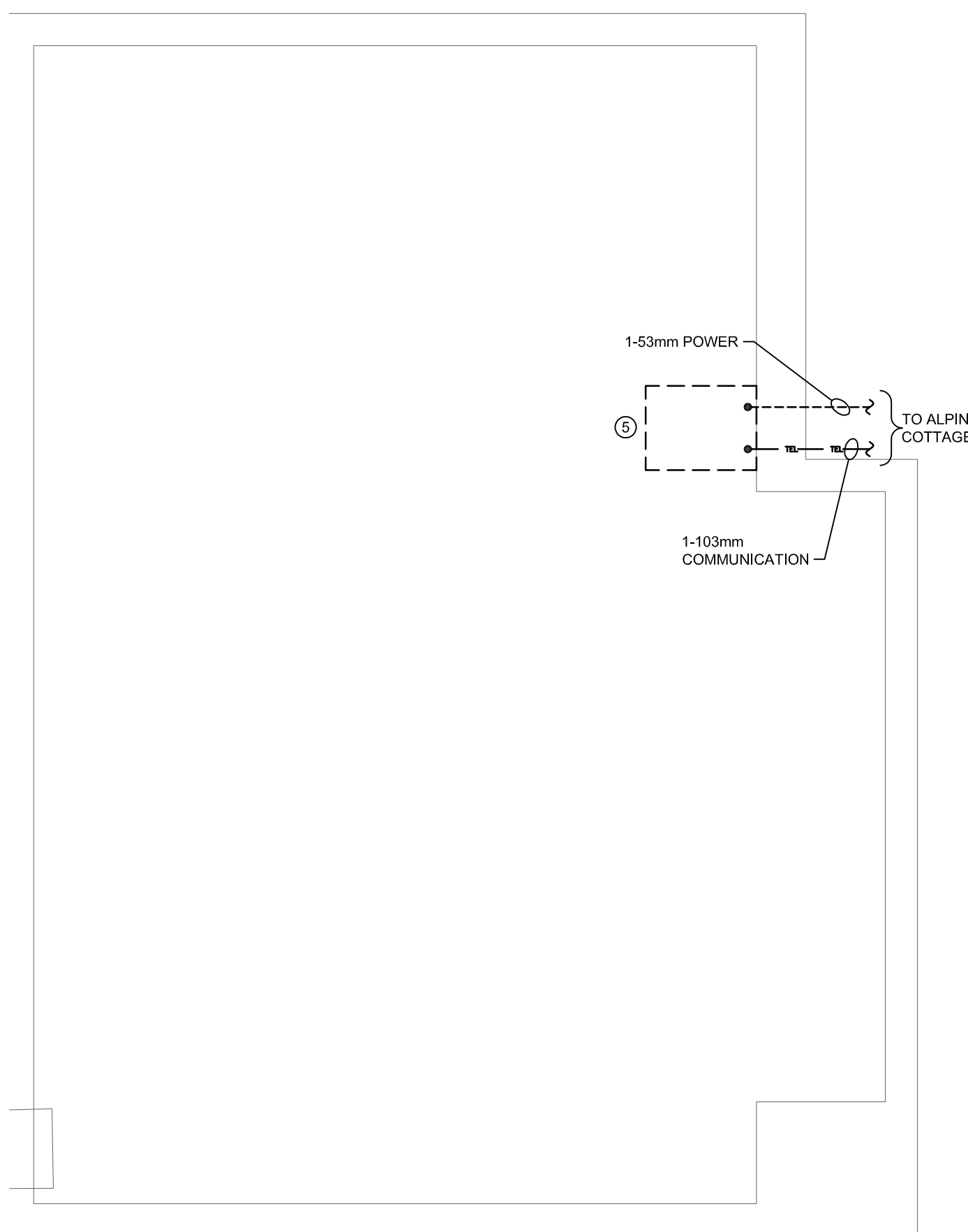
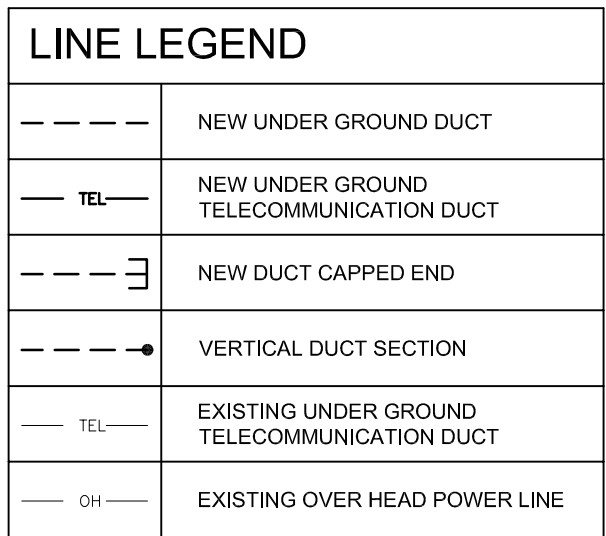
SITE PLAN
SCALE: 1:400



2 BOARDING BARN FLOOR PLAN - MECHANICAL
SCALE: 1:100



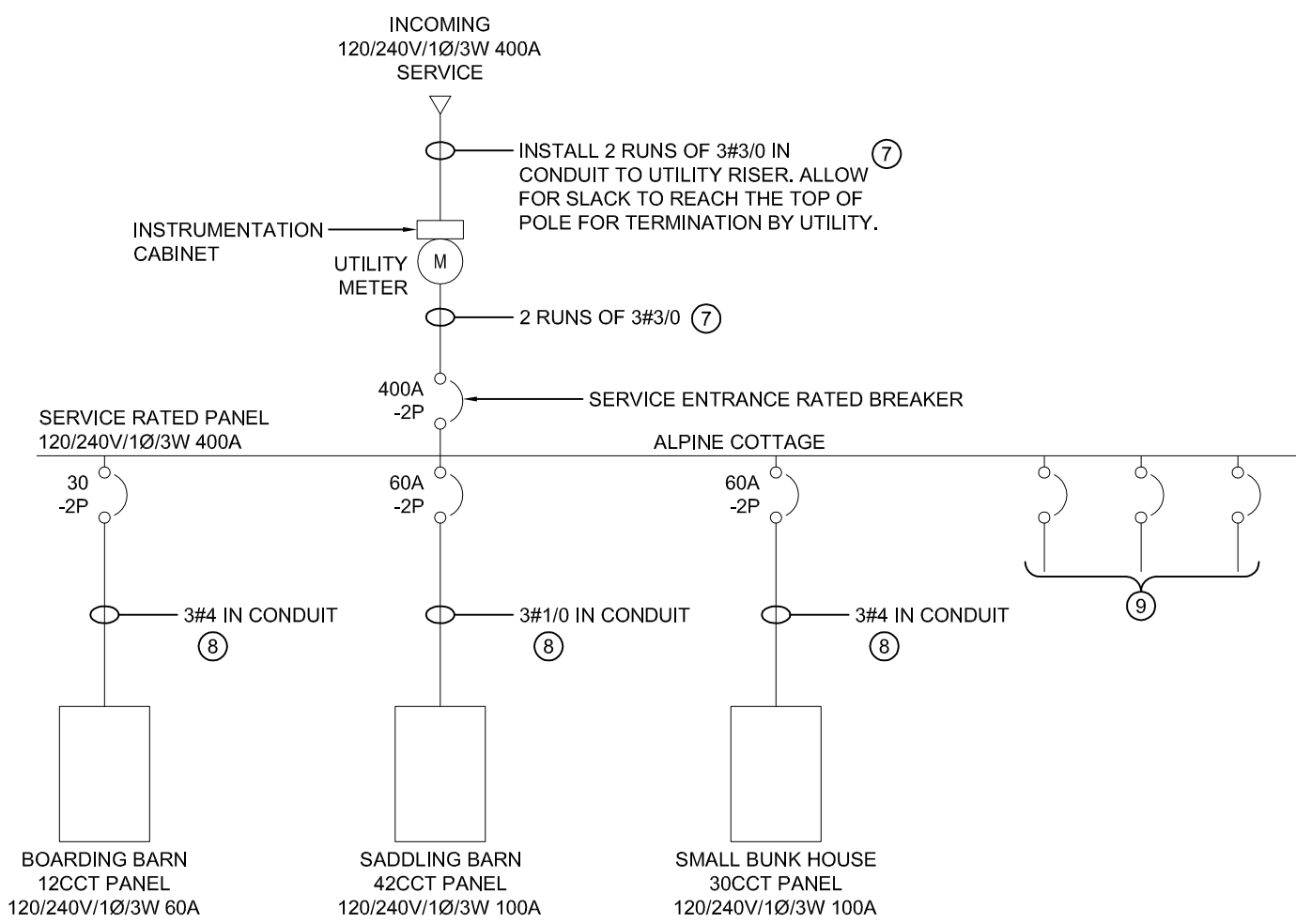
3 BUNK HOUSE CRAWLSPACE FLOOR PLAN - MECHANICAL
SCALE: 1:100



1 2 3

TO ALPINE COTTAGE

1-53mm POWER



NOTE:

WORK DESCRIBED ON THIS DETAIL IS FOR INFORMATION ONLY AND IS NOT FOR CONSTRUCTION AT THIS TIME.

Diagram illustrating the connection for the Alpine COTTAGE. The diagram shows a grid with columns A and B, and rows 1, 2, and 3. A dashed line labeled "1-53mm POWER" and a solid line labeled "1-103mm COMMUNICATION" are shown. A bracket on the right indicates the connection "TO ALPINE COTTAGE".

Diagram illustrating the layout of electrical conduits and cables for a mobile home, showing connections to various areas and equipment.

Legend:

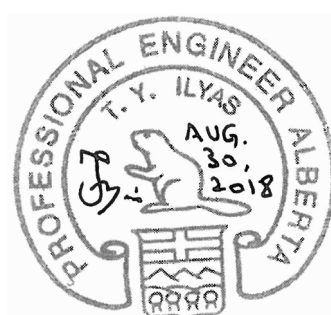
- 1-103mm COMMUNICATIONS
- 2-53mm POWER
- 1-53mm POWER
- 1-103mm COMMUNICATION
- 1-53mm FUTURE
- 1-27mm FUTURE
- 1-103mm EXTEND DUCT TO COMMUNICATION BACK BOARD
- 1-27mm LIGHTING
- EXISTING 1-103mm HDPE UTILITY TELECOMMUNICATION DUCT LOCATION

Connections and Labels:

- FUTURE METER BASE AND MAIN BREAKER LOCATION
- TO UTILITY POLE
- TO BOARDING BARN
- TO BUNK HOUSE
- TO SADDLING BARN
- TO BATH LIGHTING

Scale: 1:100

4 ALPINE COTTAGE CRAWLSPACE FLOOR PLAN - ELECTRICAL
E1 SCALE: 1:100



Project no.	Drawing no.	Revision no.
R.096286.001	E1	0