
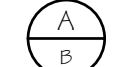
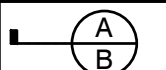


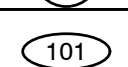
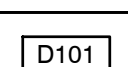
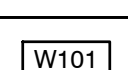
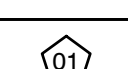


GENERAL ANNOTATION		
ITEM	SYMBOL	REMARKS
ELEVATION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
DETAIL CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
DETAIL CALLOUT, SECTION		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
WALL SECTION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
BUILDING SECTION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
ROOM NUMBER CALLOUT		
DOOR NUMBER CALLOUT		
WINDOW NUMBER CALLOUT		
REVISION NUMBER CALLOUT		

ABBREVIATIONS LEGEND

ARCH	ARCHITECTURAL	ID	INSIDE DIAMETER
B.U.	BUILT-UP	INT	INTERIOR
B.L.L.	BOTTOM LOWER LAYER	LG	LONG
B.U.L.	BOTTOM UPPER LAYER	LOC	LOCATION
BD	BOARD	MACH	MACHINE ROOM
BLDG	BUILDING	MAX	MAXIMUM
BLKG	BLOCKING	MFR	MANUFACTURER
BOT	BOTTOM	MID	MIDDLE
B/W	BOTH WAYS	min.	MINUTES (TIME)
BRG	BEARING	MIN	MINIMUM
C.L.	CENTERLINE	NIC	NOT IN CONTRACT
C/W	COMPLETE WITH	NO.	NUMBER
CANT	CANTILEVER	O/C	ON CENTRE
C.J.	CONTROL JOINT	OD	OUTSIDE DIAMETER
COL	COLUMN	PRE-ENG	PRE-ENGINEERED
COMP	COMPACTED	PREFIN	PREFINISHED
CONC	CONCRETE	PROJ	PROJECTION
CONST	CONSTRUCTION	PTD	PAINTED
CONT	CONTINUOUS	P.L.	PROPERTY LINE
CORR	CORRIDOR	RF	REFERENCE POINT
CWN	COMMON WIRE NAIL	R/W	REINFORCED WITH
DIA	DIAMETER	RWL	RAIN WATER LEADER
DIAG	DIAGONAL	REINF	REINFORCING
DS	DOWNSPOUT	REQD	REQUIRED
DTL	DETAIL	SCH	SCHEDULE
DP	DEEP	SECT	SECTION
DWG	DRAWING	SHTG	SHEATHING
E/F	EACH FACE	SIM	SIMILAR
E/S	EACH SIDE	SQFT	SQUARE FOOT
E/W	EACH WAY	SQM	SQUARE METER
EL	ELEVATION	STD	STANDARD
ELEV	ELEVATION	STOR	STORAGE
EQ	EQUIVALENT	STRL	STRUCTURAL
EXT	EXTERIOR	T.L.L.	TOP LOWER LEVEL
F/H	FULL HEIGHT	T.U.L.	TOP UPPER LEVEL
F/O	FACE OF	T&G	TONGUE & GROOVE
FD	FLOOR DRAIN	T&B	TOP & BOTTOM
FND	FOUNDATION	THKG	THICKENING
FLR	FLOOR	THRU	THROUGH
FTG	FOOTING	TJ	TIE JOIST
GALV	GALVANIZED	T/O	TOP OF
G.L.	GRID LINE	TYP	TYPICAL
H/C	HANDICAPPED	U/S	UNDERSIDE
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
hr.	HOOR (TIME)	VERT	VERTICAL
HT	HEIGHT	W/	WITH
INSUL	INSULATION	WP	WEATHERPROOF
		W/R	WASHROOM

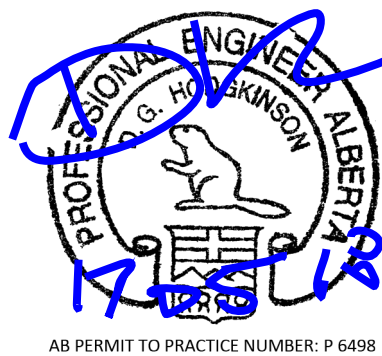


BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE
Arch-Bldg	
C101	SITE LAYOUT
C102	PENS (ENLARGED DETAILS)
C201	PROPOSED GRADING PLAN
C202	GRADING PLAN ENLARGED
C203	GRADING PROFILES
C301	EXISTING TOPOGRAPHY & DEMOLITION PLAN
Structural	
S101	STRUCTURAL DETAILS - FOUNDATION
S102	STRUCTURAL DETAILS
S201	PUMP HOUSE - FLOOR PLANS & ELEVATIONS
S202	STRUCTURAL DETAILS - PUMP HOUSE
Mechanical	
M101	MECHANICAL SITE LAYOUT
Electrical	
E101	
E201	DISTRIBUTION DIAGRAM & PANELS

ISSUED  
FOR TENDER



5		
4		
3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed by

Conçu par

Drawn by

Dessiné par

Approved by

Approuvé par

PWGSC Project Manager

Administrateur de Projets TPSGC

Drawing title

Titre du dessin

DRAWING LIST

Project no./No. du projet

Drawing no./No. du dessin

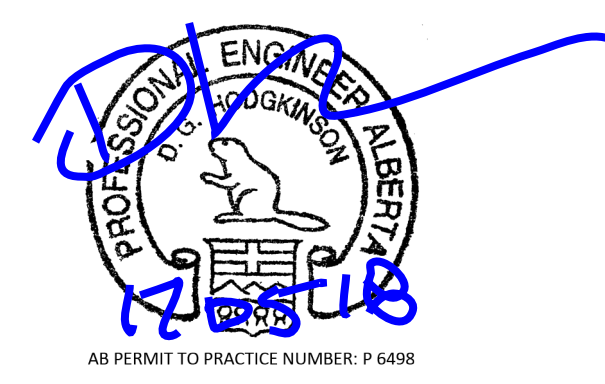
Revision no.

R. 082927.001

INDEX

0

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4		
3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

**PUBLIC WORKS &  
GOVERNMENT SERVICES**  
ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title  
**BEEF FEEDLOT WATER  
RENOVATION & EXPANSION**  
LACOMBE, AB

Designed by  
**JJM**  
Conçu par

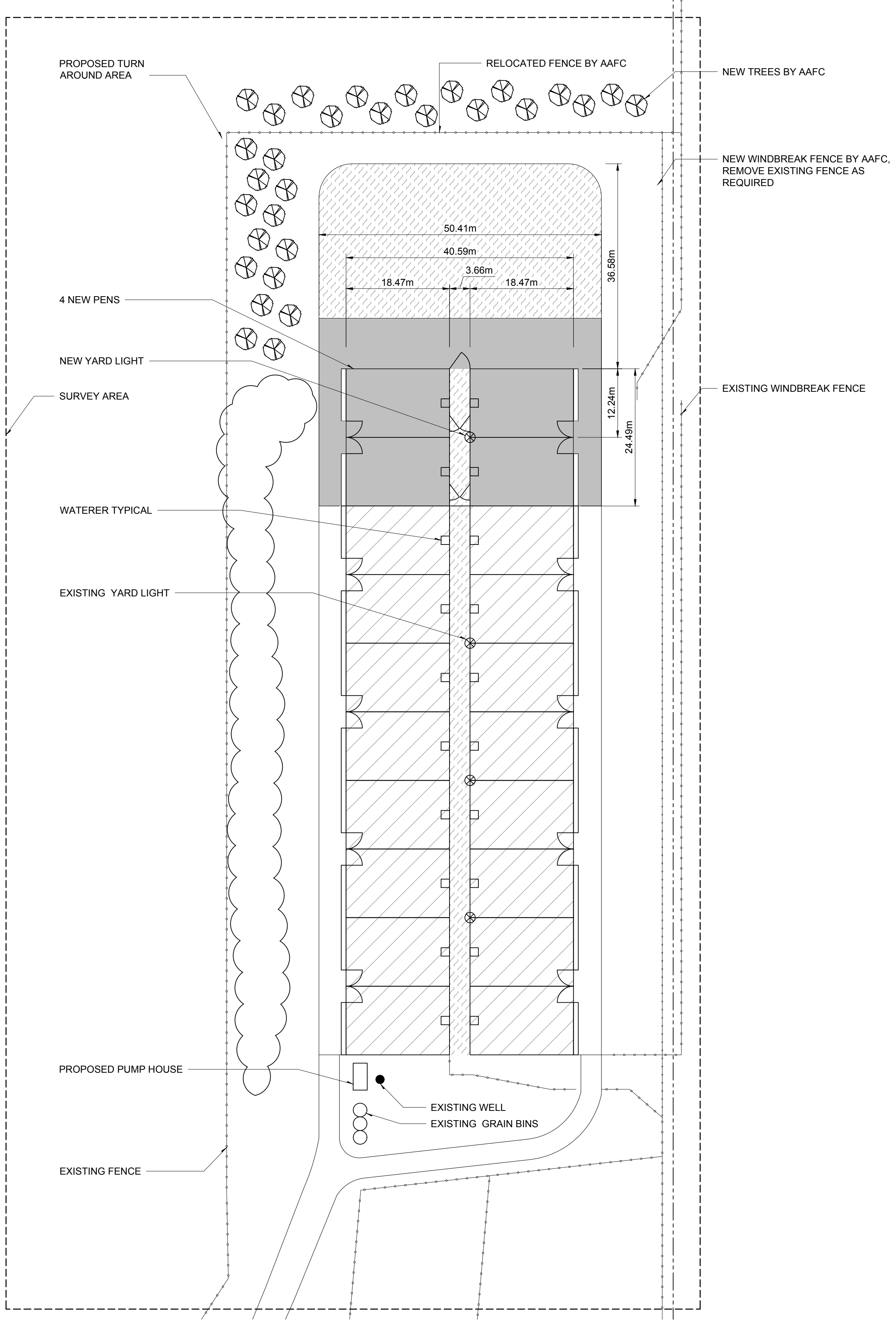
Drawn by  
**JF**  
Dessiné par

Approved by  
**DGH**  
Approuvé par

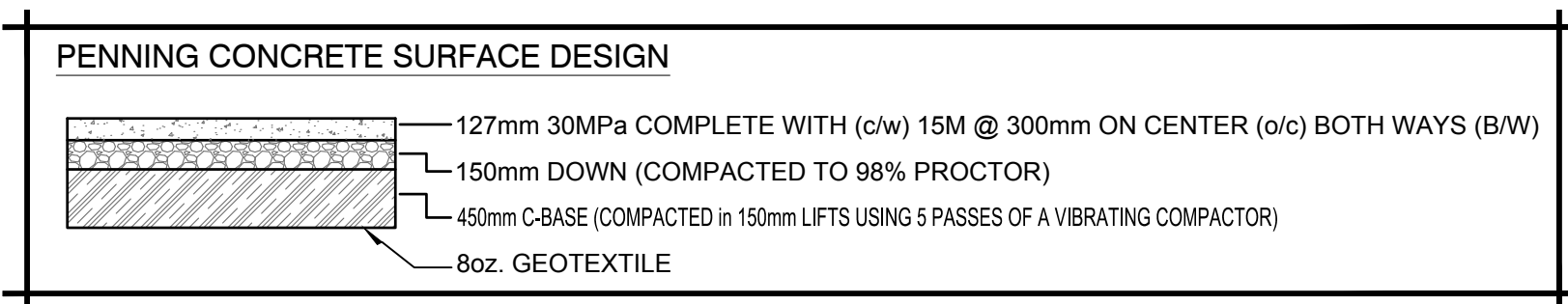
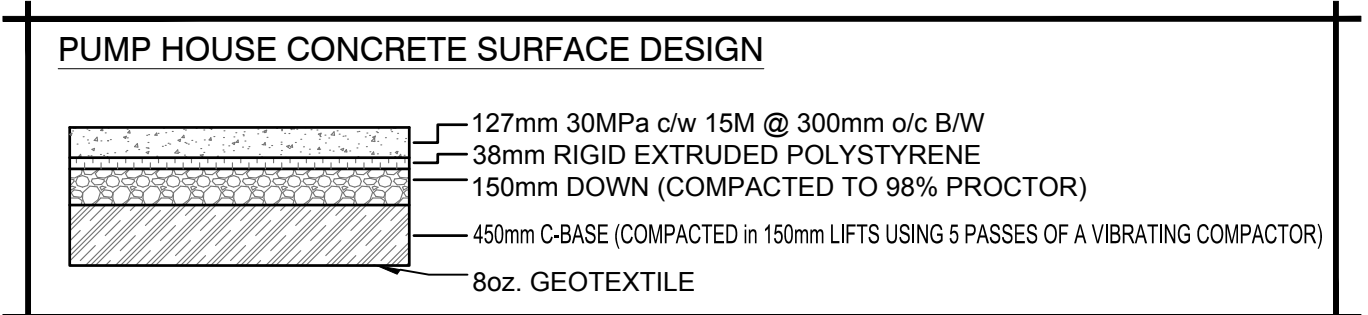
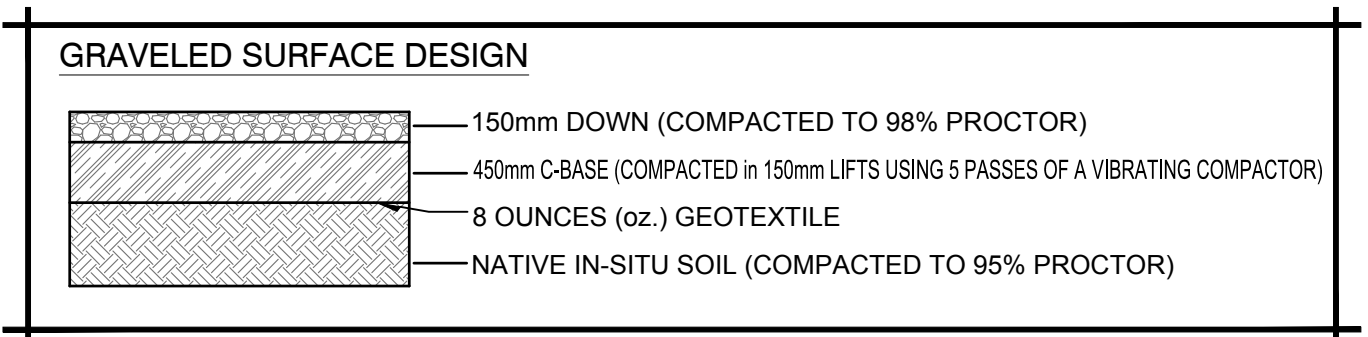
PWGSC Project Manager  
Administrateur de Projets TPSGC

Drawing title  
**SITE LAYOUT**  
Titre du dessin

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	<b>C101</b>	<b>0</b>



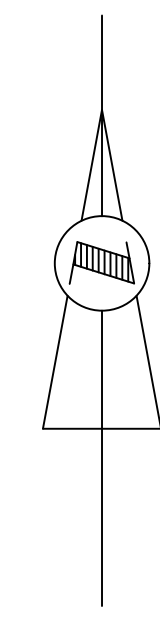
1  
C101  
1:500  
SHEET REF. C101  
**ENLARGED DETAIL**



NOTE REGARDING SURVEY:

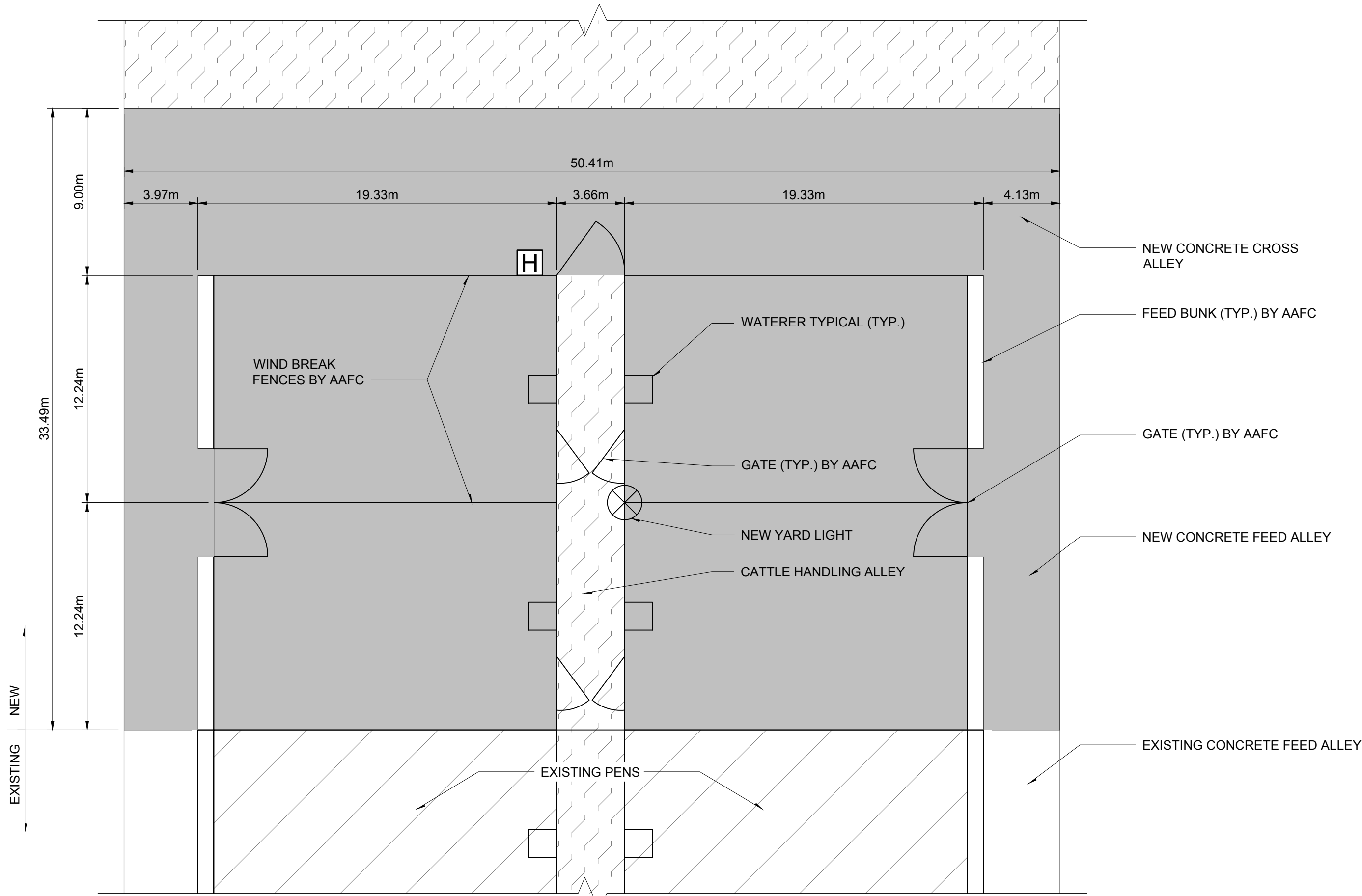
1. SURVEY EXISTING LOT AS SHOWN
2. INCLUDE CORNER POINTS OF PENNING
3. INCLUDE DRIVE WAY & WALKWAY BETWEEN PENS

**SITE LAYOUT**  
SCALE: 1:1000



LEGEND	
ITEM	SYMBOL
PROPERTY LINE	---
EXISTING FENCE LINE	□
NEW WINDBREAK FENCE LINE	○
EXISTING PENS TO REMAIN	▨
NEW CONCRETE PENS AND ALLEYS	■
NEW GRAVEL STORAGE AREA AND CATTLE ALLEY	▩



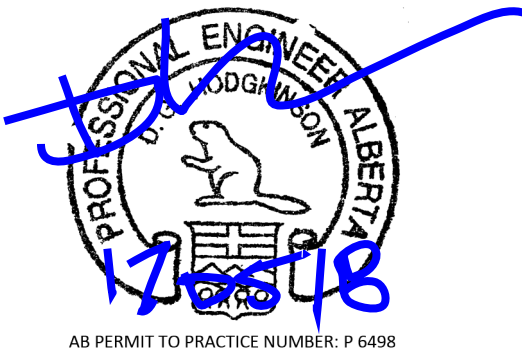


LEGEND		
ITEM	SYMBOL	REMARKS
EXISTING PENS TO REMAIN		
NEW CONCRETE PENS AND ALLEYS		
NEW GRAVEL STORAGE AREA AND CATTLE ALLEY		
FROST FREE HYDRANT		

1  
C102 1:200

ENLARGED DETAIL - 4 NEW PENS AND DRIVEWAY

ISSUED  
FOR TENDER



5		
4		
3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date

Client client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project titleProjet

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed byConçu par  
JJM

Drawn byDessiné par  
JF

Approved byApprouvé par  
DGH

PWGSC Project ManagerAdministrateur de Projets TPSGC

Drawing titleTitre du dessin  
PENS  
(ENLARGED DETAIL)

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	C102	0





1:500

DRAWING NOTES:

1. BENCHMARK REFERENCE:
- | IDENTIFICATION   | ELEVATION | DESCRIPTION                  |
|------------------|-----------|------------------------------|
| NE_TOP_OF_BUNKER | 844.450 m | NE CORNER TOP OF FEED BUNKER |
2. PROPOSED EXCAVATION OF TOPSOIL STRIP FOR THE MATERIAL TAKE-OFF HAS BEEN CALCULATED AS 200mm THK.
3. ALL MATERIAL VOLUMES NOTED IN THE REPORT ARE BASED ON THE FOLLOWING MATERIAL SPECIFICATION IN THE NOTED AREAS:

PROPOSED EXCAVATION OF TOPSOIL STRIP FOR THE MATERIAL TAKE-OFF HAS BEEN CALCULATED AS 200mm THK.

ALL MATERIAL VOLUMES NOTED IN THE REPORT ARE BASED ON THE FOLLOWING MATERIAL SPECIFICATION IN THE NOTED AREAS.

## PENNING

- 127mm THK. CONCRETE
- 150mm THK. A-BASE
- 450mm THK. C-BASE
- COMMON FILL TO TOPSOIL EXCAVATION

CENTER ALLEY

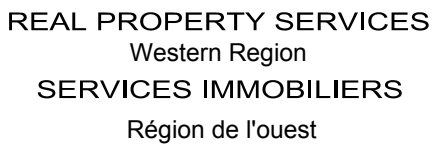
- 150mm THK. A-BASE
- 450mm THK. C-BASE
- COMMON FILL TO EXCAVATION

## GRANULAR TURNAROUND

- 150mm THK. A-BASE
- 450mm THK. C-BASE
- COMMON FILL TO EXCAVATION

## CONCRETE AROUND PENNING

- 127mm THK. CONCRETE
  - 150mm THK. A-BASE
  - 450mm THK. C-BASE
  - COMMON FILL TO EXCAVATION
- EXTERIOR FILL (FILL FROM ROADWAY TO EXCAVATION EXTENTS)
- 150mm THK. TOPSOIL
  - COMMON FILL TO EXCAVATION

REMARKS

**PUBLIC WORKS &  
GOVERNMENT SERVICES**

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title	Project
---------------	---------

**BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB**

Designed by	Conçu par
-------------	-----------

Drawn by **JJM** Dessiné par

Approved by <b>DGH</b>	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing title	Titre du dessin
---------------	-----------------

## PROPOSED GRADING PLAN

R. 082927.001

**C201**

0

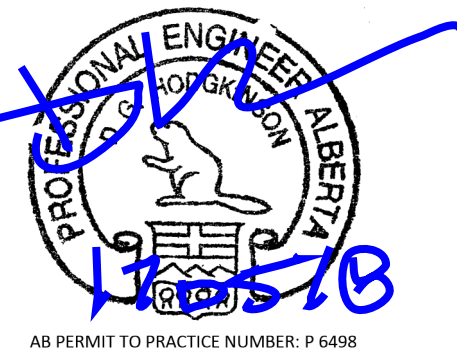






1 ENLARGED DETAIL  
C202 1:200  
SHEET REF.: C201

ISSUED  
FOR TENDER



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2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	80% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project titleProjet

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed byConçu par

Drawn byDessiné par

Approved byApprouvé par

PWGSC Project ManagerAdministrateur de Projets TPSGC

Drawing titleTitre du dessin

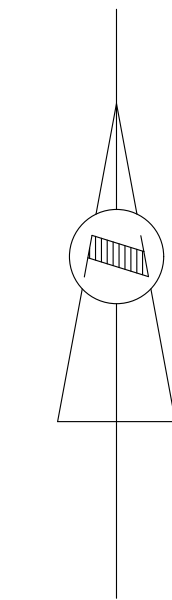
PROPOSED GRADING  
PLAN

Project no./No. du projetDrawing no./No. du dessinRevision no.

R. 082927.001

C202

0



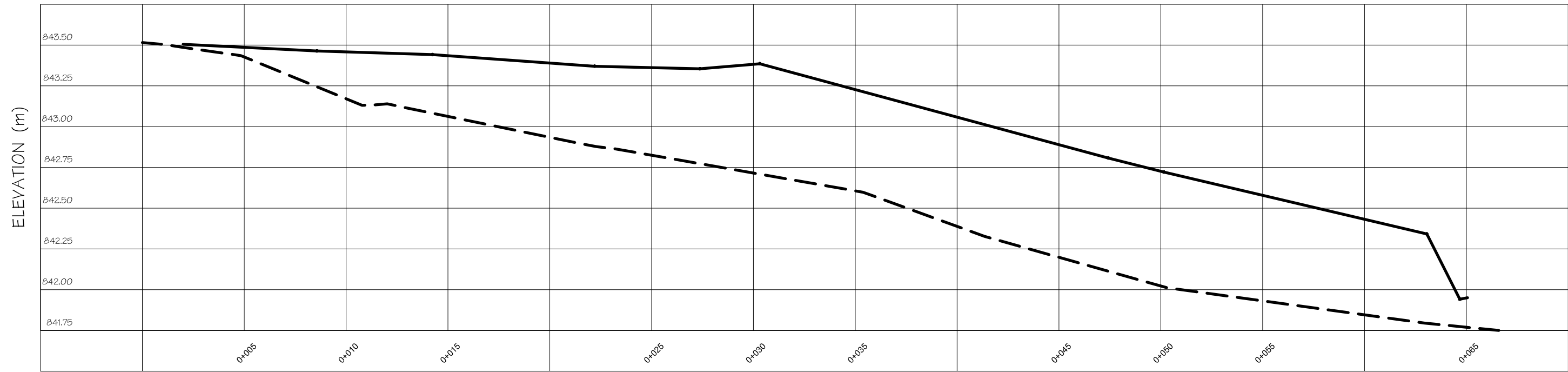
## DETAILED PLAN

1:500

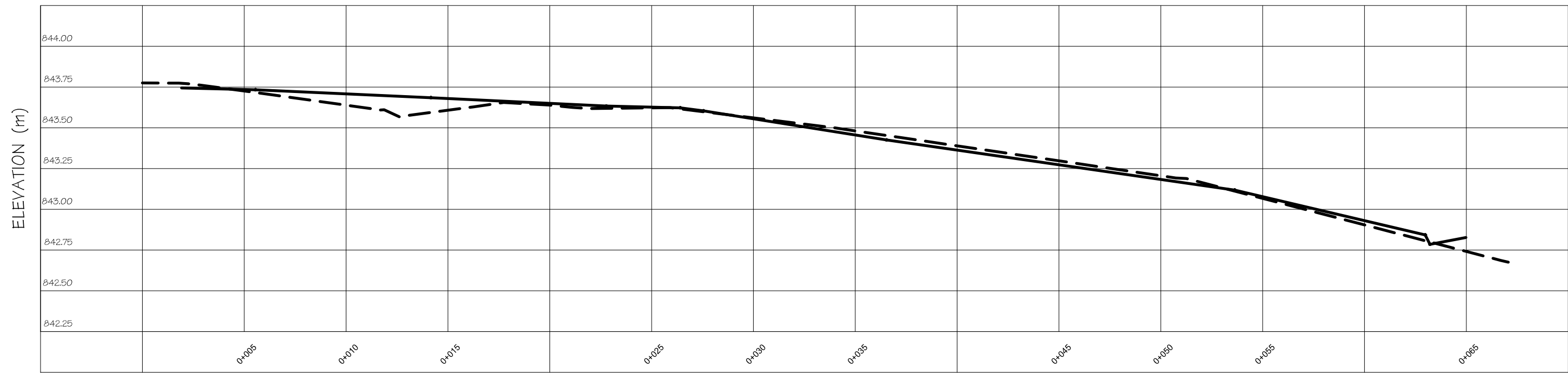
LEGEND		
ITEM	SYMBOL	REMARKS
PROPERTY LINE	---	
EXISTING FENCE LINE	—●—	
NEW WINDBREAK FENCE LINE	—●—	
EXISTING PENS TO REMAIN		
NEW CONCRETE PENS AND ALLEYS		
NEW GRAVEL STORAGE AREA AND CATTLE ALLEY		
MECHANICAL SERVICING TRENCH	---	SEE EXCAVATION DETAILS ON SHEET M101 & E101

PROFILE LEGEND	
ITEM	SYMBOL
EXISTING GRADE PROFILE	---
PROPOSED GRADE PROFILE	—

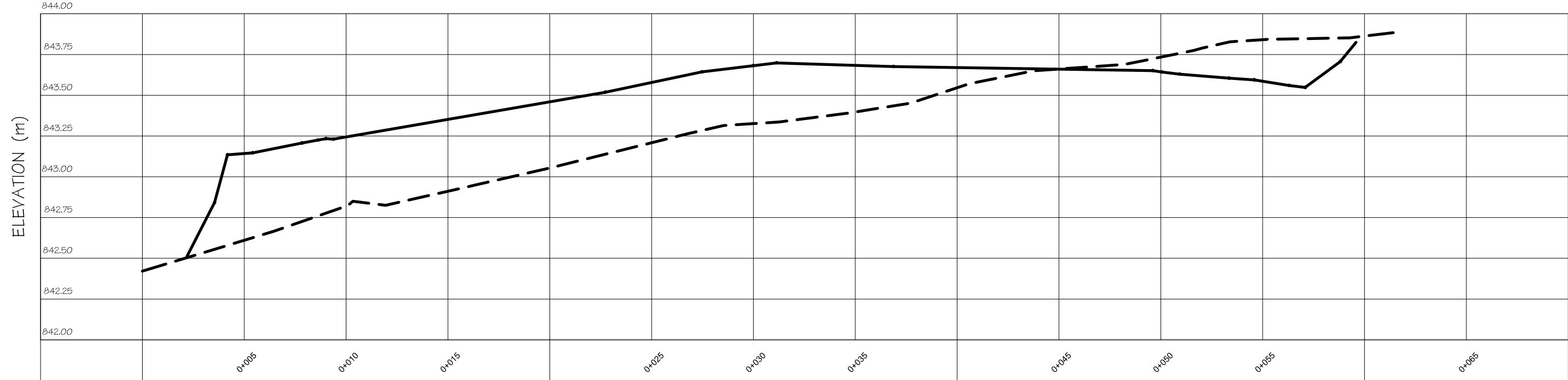
## GRADING PROFILE A-A



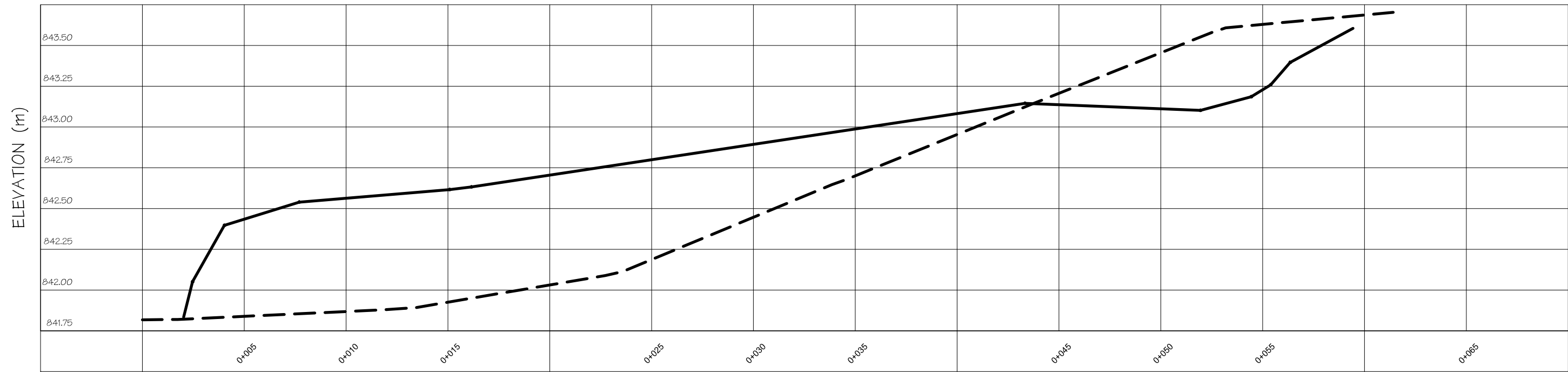
## GRADING PROFILE B-B



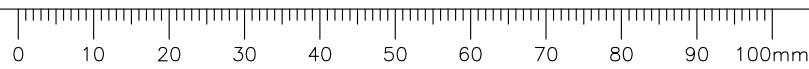
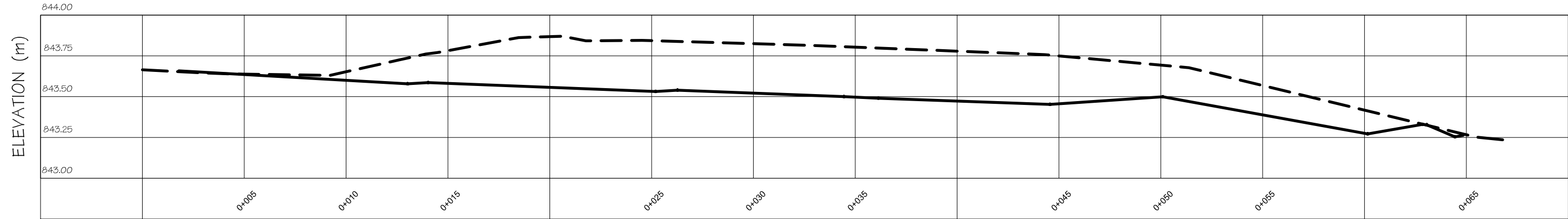
## GRADING PROFILE C-C



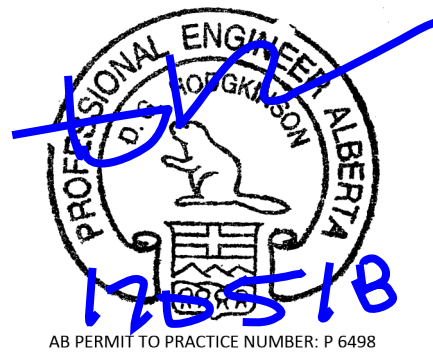
## GRADING PROFILE D-D



## GRADING PROFILE E-E



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4		
3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	90% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

## PUBLIC WORKS & GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title

## BEEF FEEDLOT WATER RENOVATION & EXPANSION LACOMBE, AB

Designed by  
**JJM**

Drawn by  
**JJM**

Approved by  
**DGH**

PWGSC Project Manager

Drawing title

## GRADING PROFILES

Project no./No. du projet

R. 082927.001

Drawing no./No. du dessin

**C203**

Revision no.

**0**

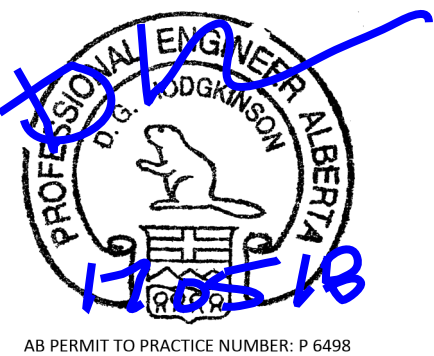




LEGEND	
ITEM	SYMBOL
PROPERTY LINE	
EXISTING FENCE LINE	
NEW FENCE LINE	

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

# ISSUED FOR TENDER



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4		
3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/05/18
0	Design Completion	
Revision	Description	Date
Client		client

## PUBLIC WORKS & GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB

Project title	Project
---------------	---------

**BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB**

Designed by	Conçu par
-------------	-----------

Drawn by **JJM** Dessiné par

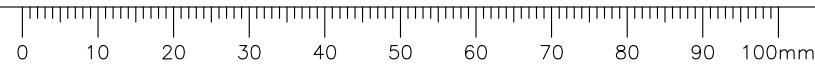
Approved by	Approuvé par
DGH	

PWGSC Project Manager	Administrateur de Projets TPSGC
-----------------------	---------------------------------

Drawing title	Titre du dessin
---------------	-----------------

## EXISTING TOPOGRAPHY & DEMOLITION PLAN

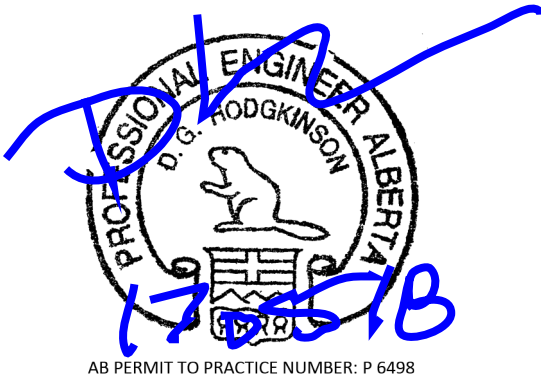
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R. 082927.001	<b>C301</b>	<b>0</b>





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0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title

Projet

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION

LACOMBE, AB

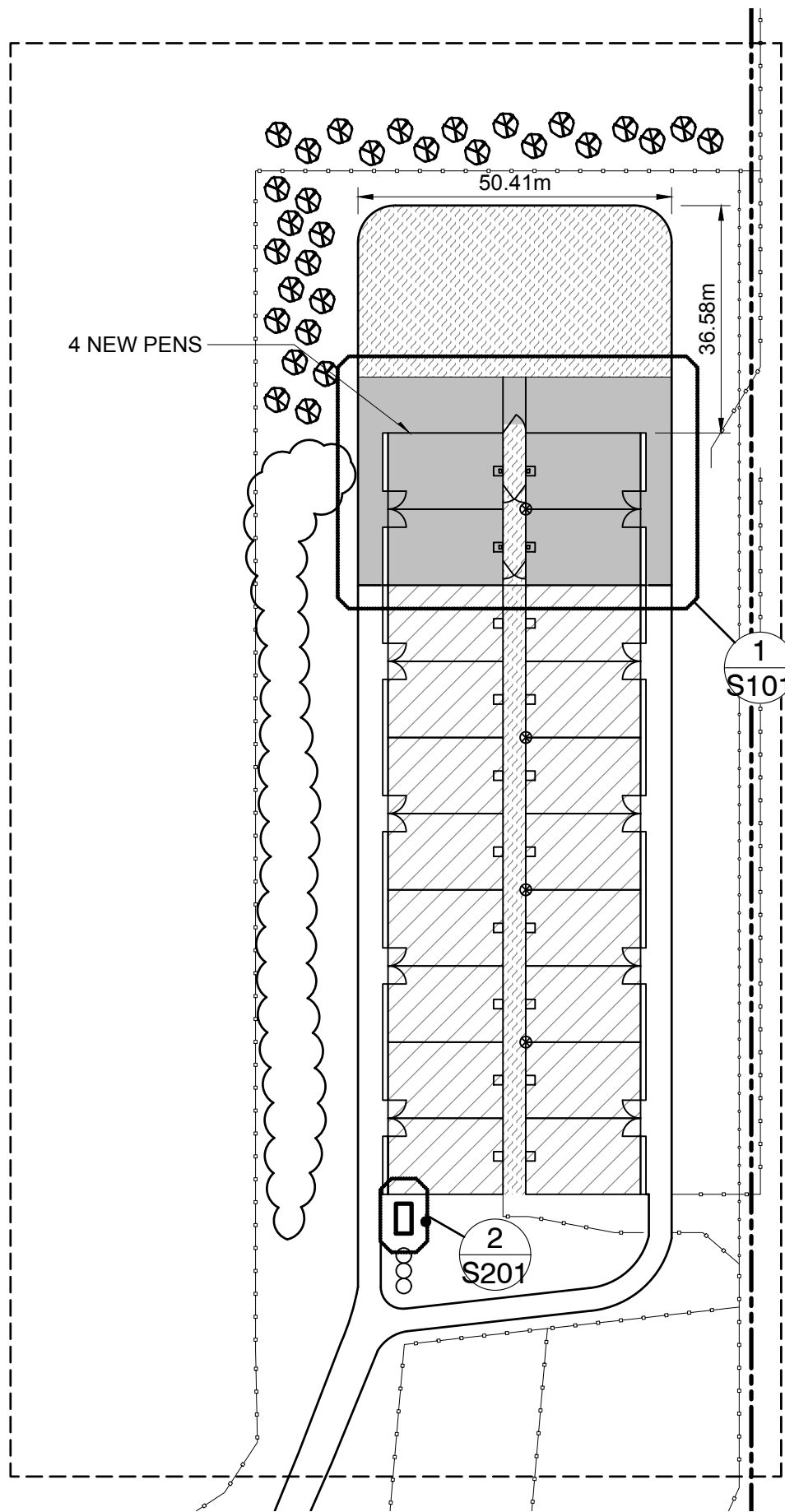
Designed by	Conçu par
JLF	
Drawn by	Dessiné par
JF	
Approved by	Approuvé par
DGH	
PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing title

Titre du dessin

STRUCTURAL DETAILS -  
PENNING FOUNDATION

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	S101	0

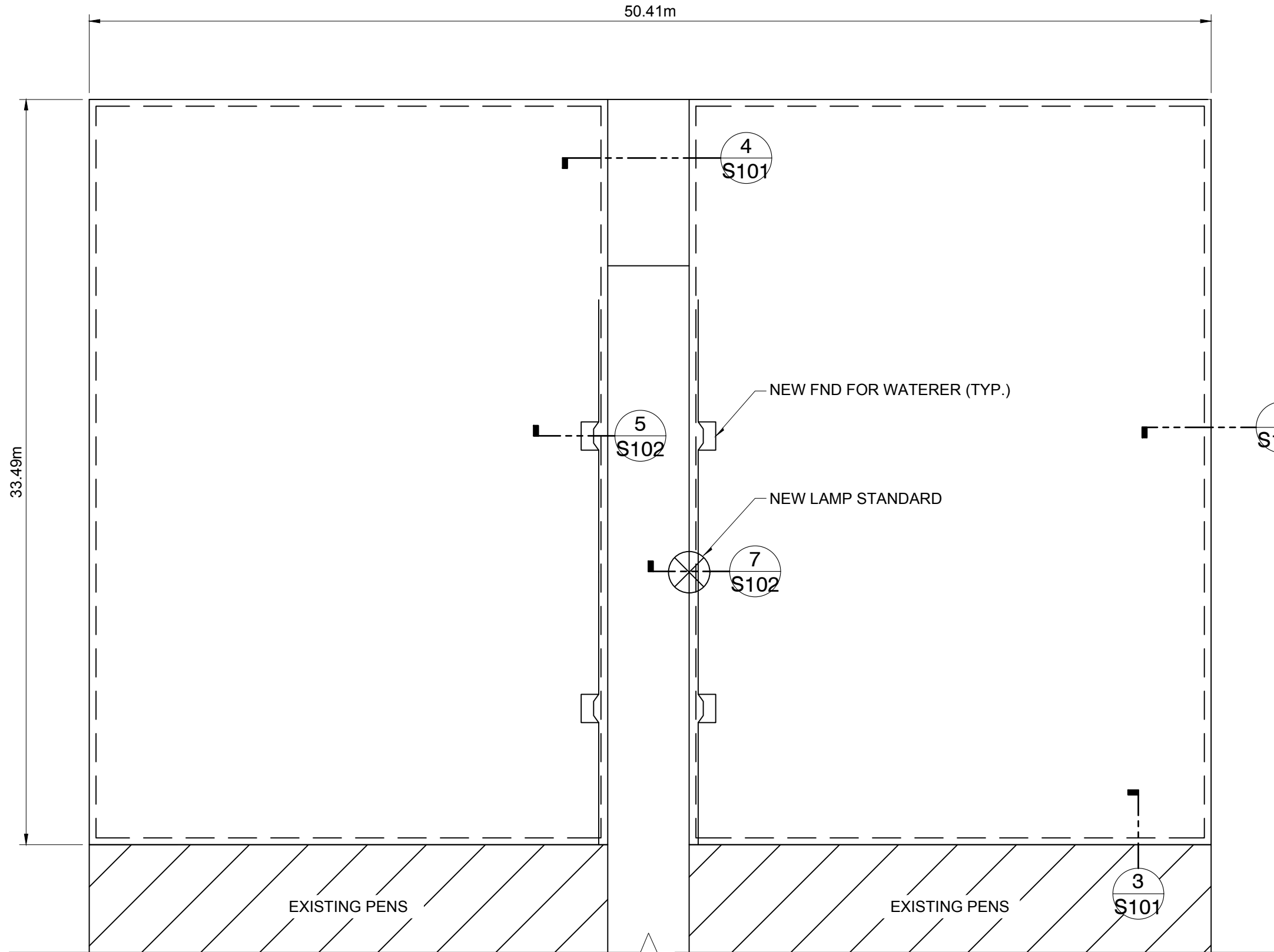


ENLARGED SITE LAYOUT

SCALE: 1:1000

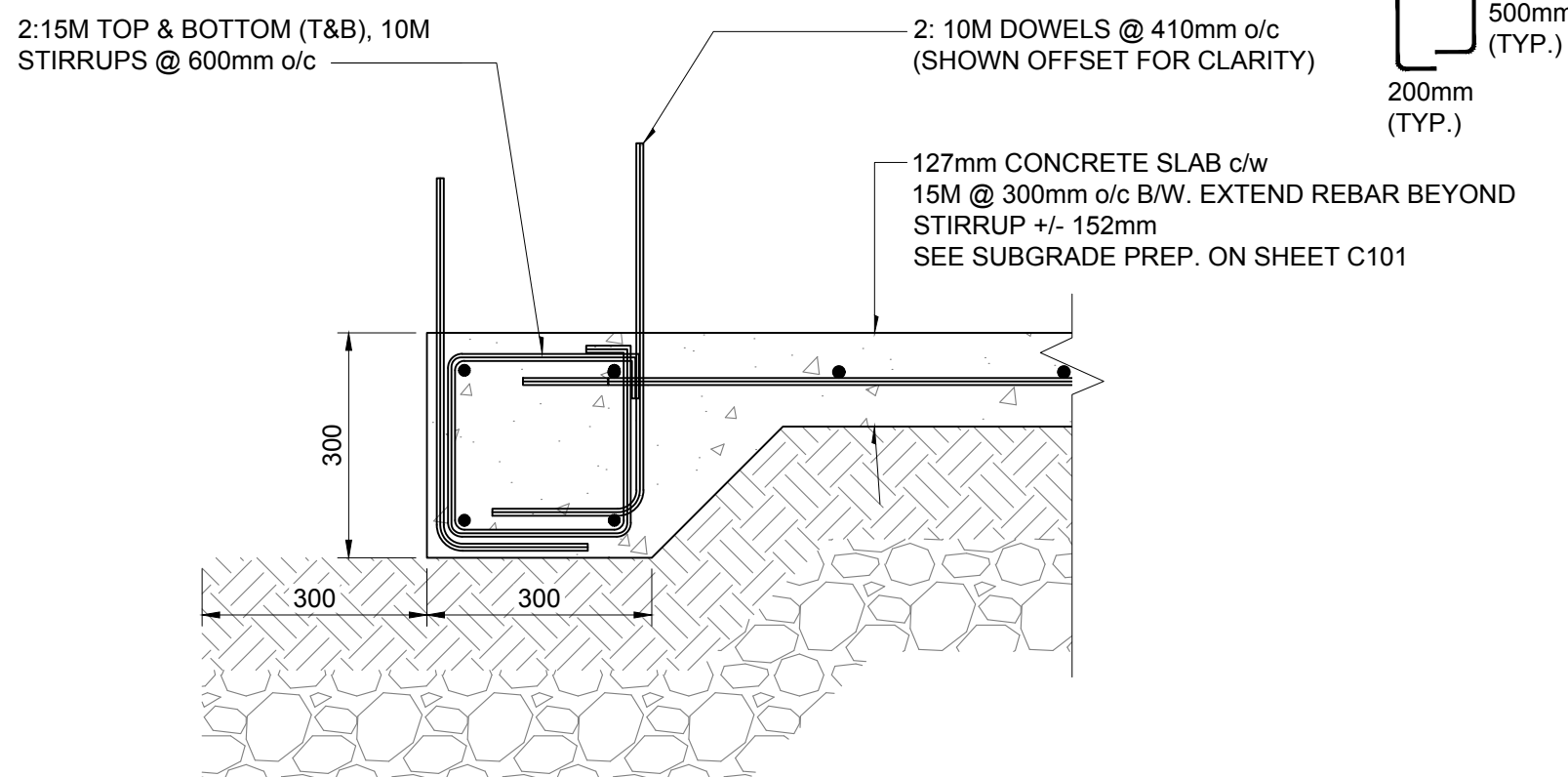
LEGEND	
ITEM	SYMBOL
PROPERTY LINE	---
EXISTING FENCE LINE	-□-
NEW WINDBREAK FENCE LINE	-○-
EXISTING PENS TO REMAIN	▨
NEW CONCRETE PENS AND ALLEYS	■
NEW WIND BREAK TREE PLANTATION	⊗

NOTE:  
FEED BUNKS, WIND BREAK FENCES, GATES &  
ASSOCIATED CONCRETE CURBS BY AAFC.



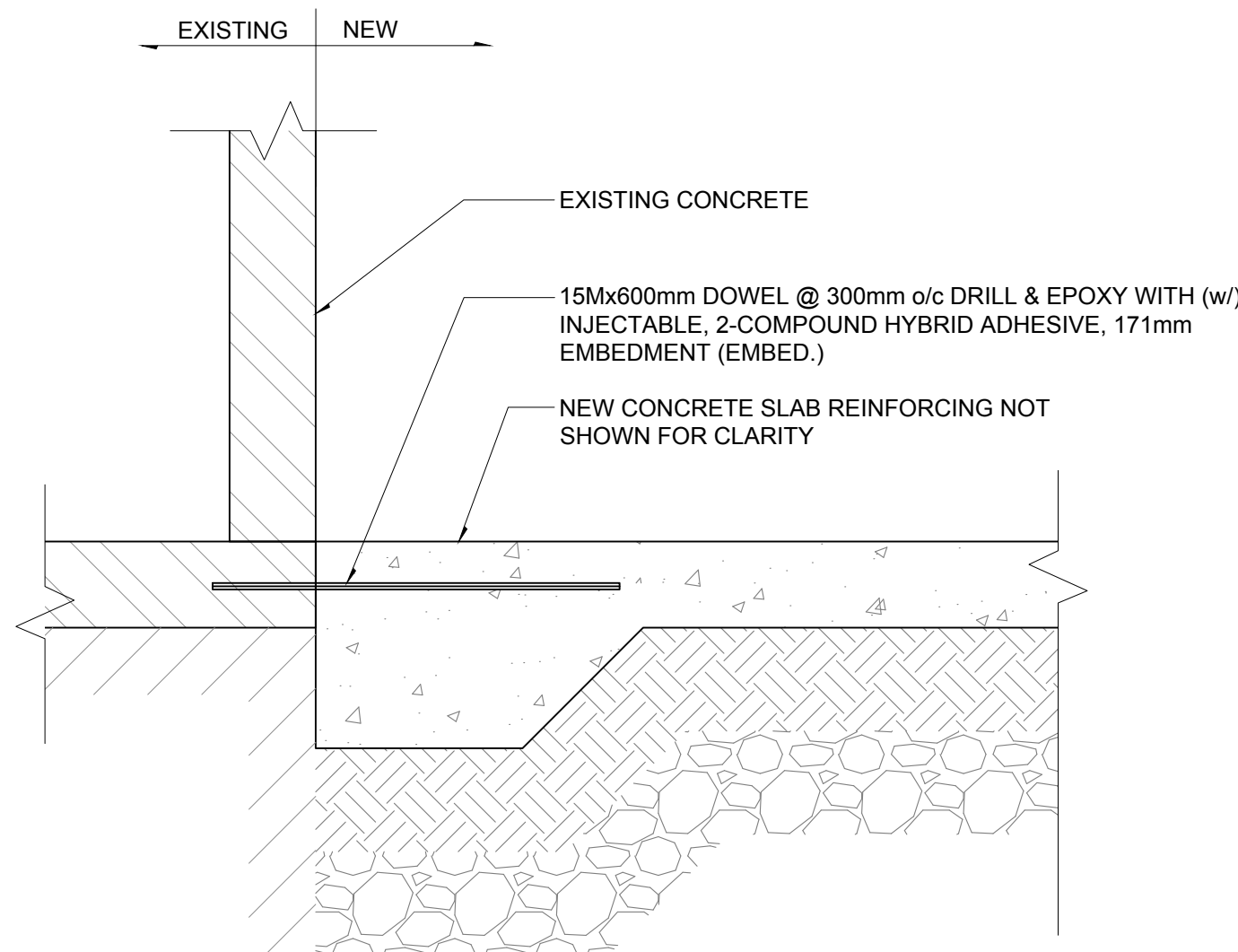
FOUNDATION PLAN -  
4 NEW PENS AND DRIVEWAY (ENLARGED DETAIL)

1  
S101  
1200  
SHEET REF.: S101



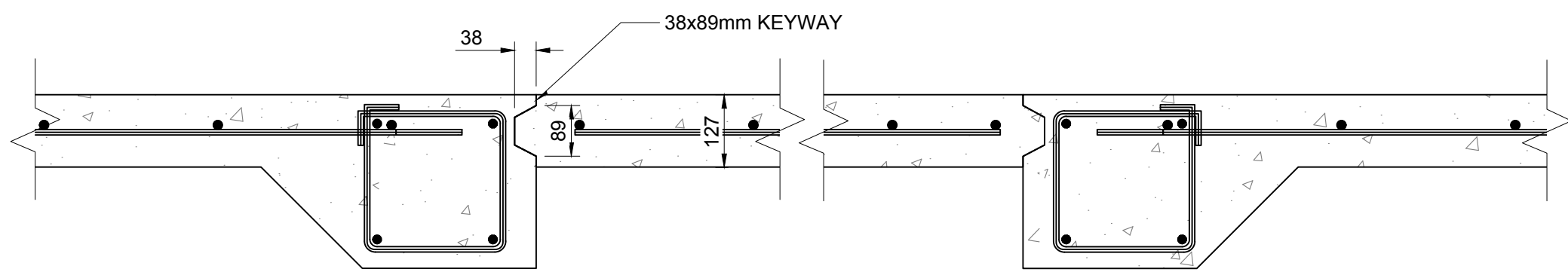
SLAB EDGE DETAIL

2  
S101  
110  
SHEET REF.: S101



NEW SLAB TO EXISTING  
SLAB CONNECTION

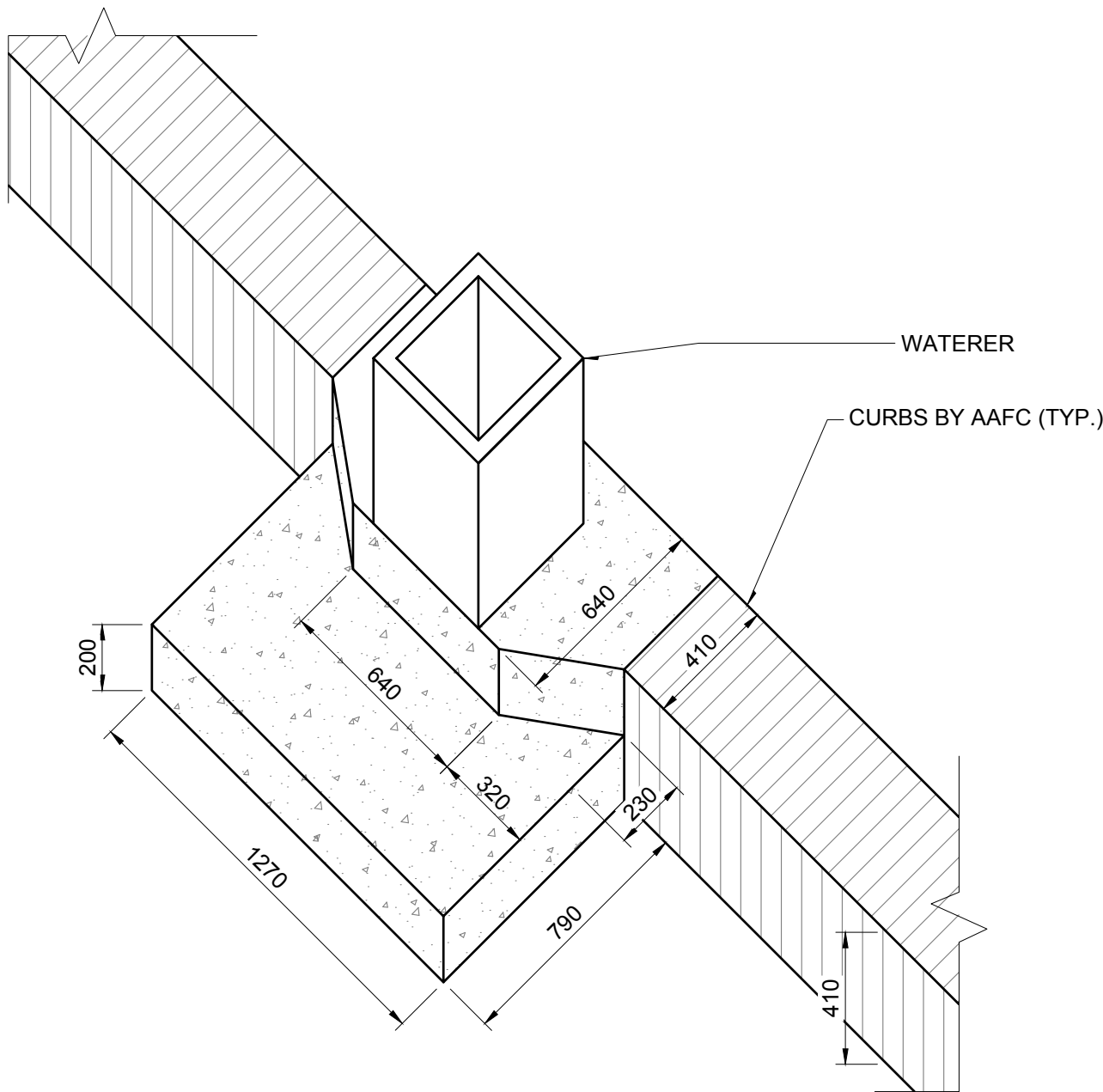
3  
S101  
110  
SHEET REF.: S101



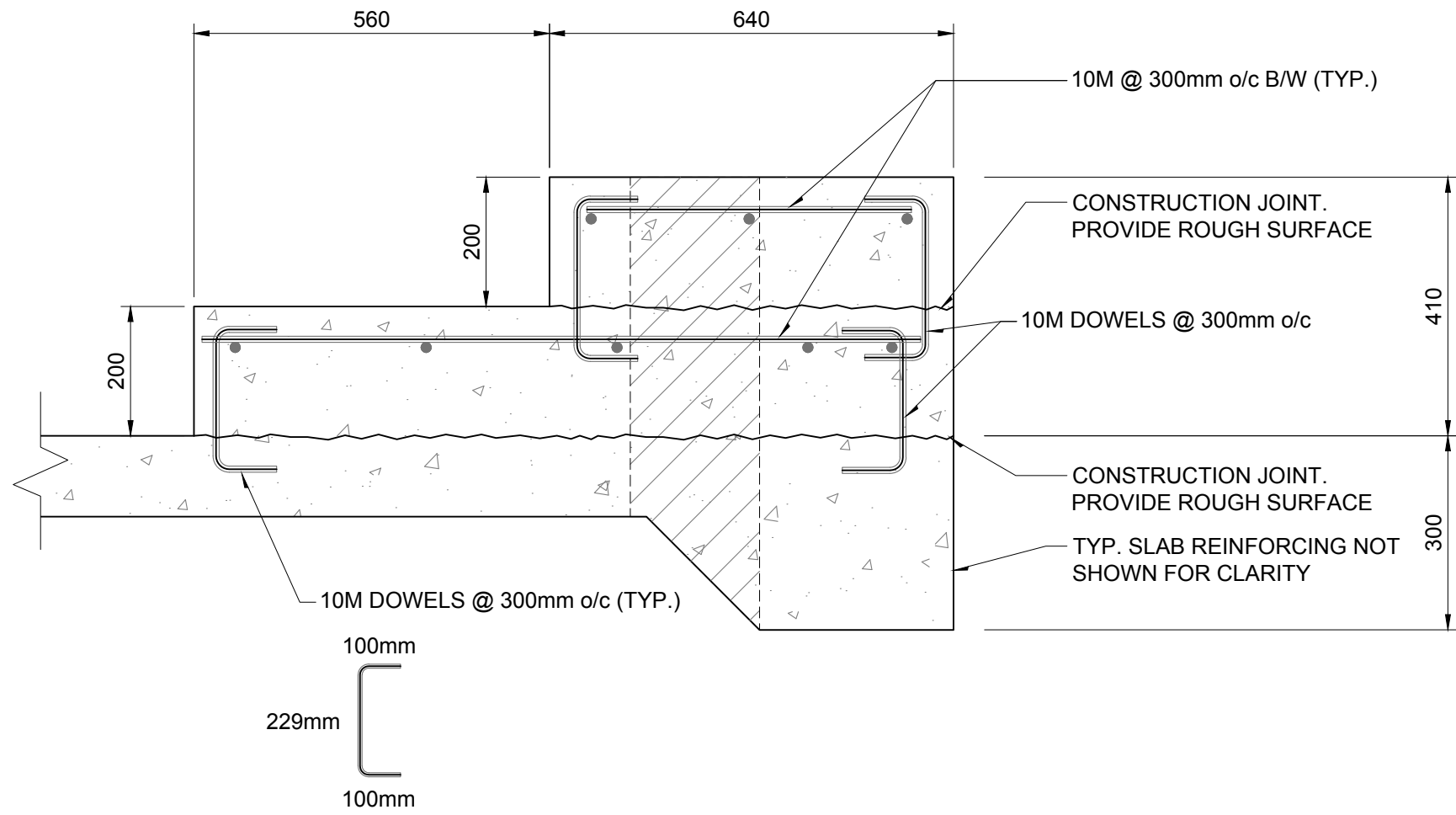
SLAB CONSTRUCTION JOINT DETAIL

4  
S101  
110  
SHEET REF.: S101

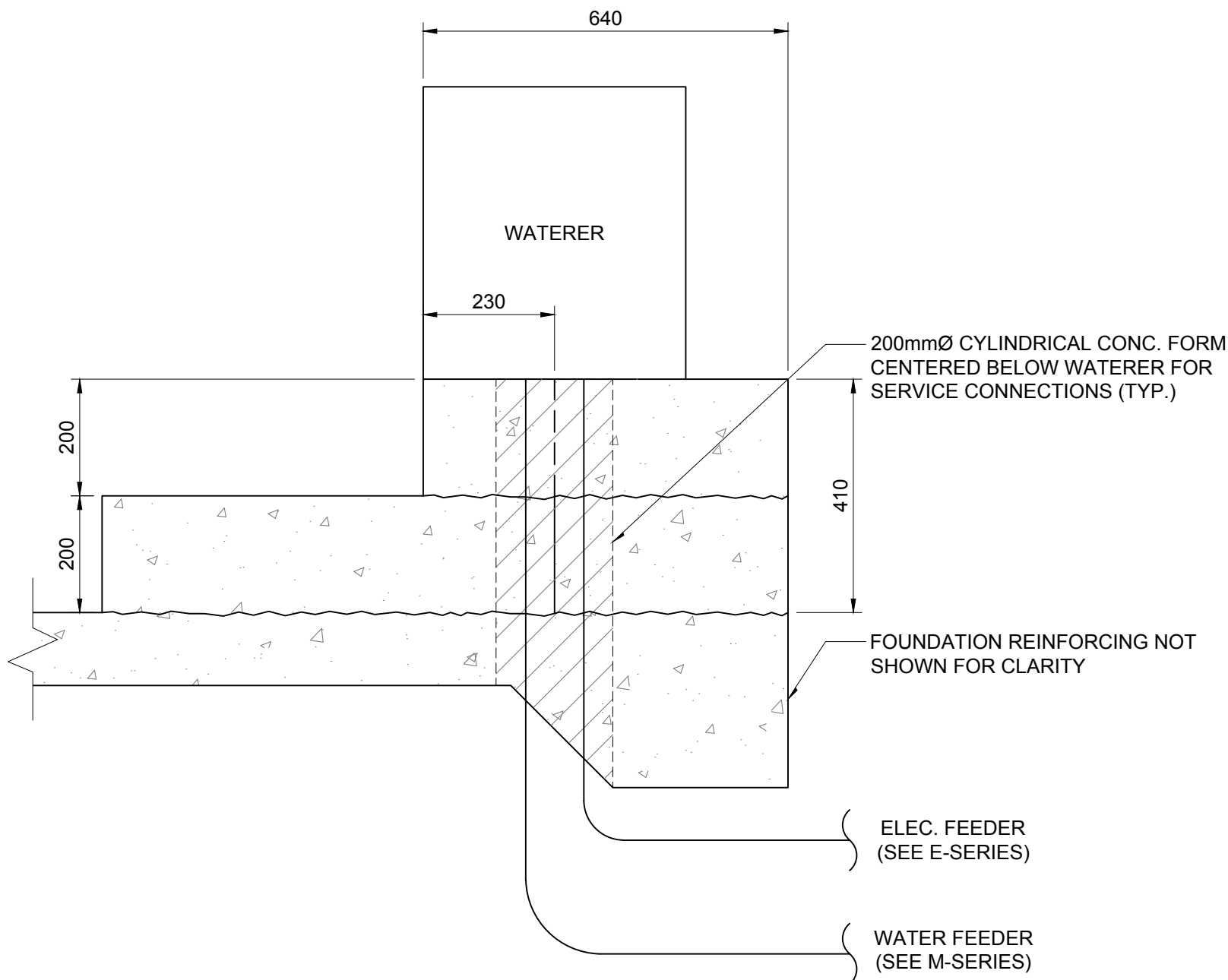




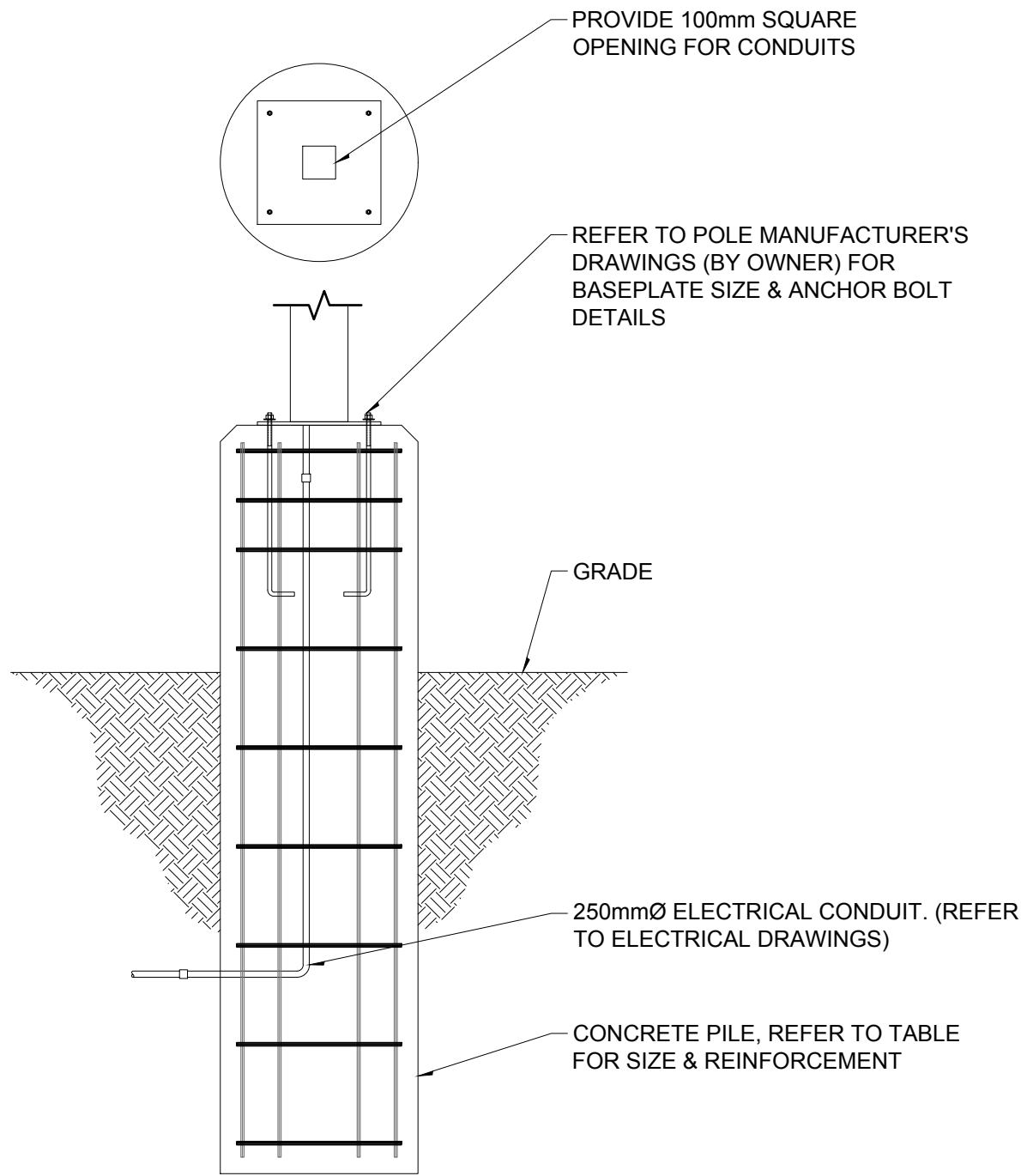
ISOMETRIC VIEW OF WATERER



6 TYP. WATERER REINFORCEMENT DETAILS  
S102 110



5 TYP. WATERER FOUNDATION DETAIL  
S102 110 SHEET REF: S101

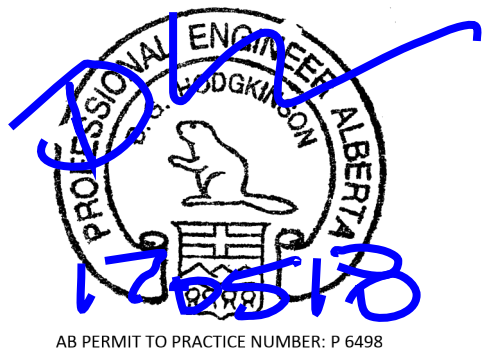


NOTE:  
INSTALL LAMP STANDARD PRIOR TO EXCAVATION.

LAMP STANDARD BASES				
POLE HT.	PILE DIAMETER	DEPTH BELOW FINISH GRADE	REINFORCEMENT	REMARKS
7.60m	400mmØ	3.70m	6: 20M VERTICALS & 10M RINGS @ 300mm o/c	TOP 1.50m OF PILE TO BE POURED w/ SONOTUBE IN PLACE & WRAPPED w/ 6mil POLY TYP.

7 TYP. LAMP STANDARD DETAIL  
S102 120

ISSUED  
FOR TENDER



5		
4		
3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title

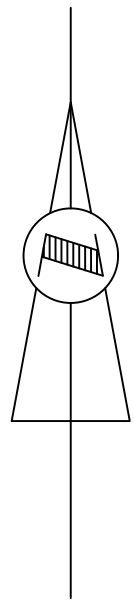
BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed by JLF	Conçu par
Drawn by JF	Dessiné par
Approved by DGH	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing title	Titre du dessin
STRUCTURAL DETAILS	

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	S102	0





915mm(WIDTH)x2100mm(HEIGHT)  
INSULATED STEEL DOOR c/w  
STEEL FRAME & GLAZING

WATER DISTRIBUTION  
PUMP & CONTROLS.  
SEE SHEET M101

NEW ELECTRICAL  
PANEL

### 1 FLOOR PLAN

S201 150  
SHEET REF.: S101

### 2 FRAMING PLAN

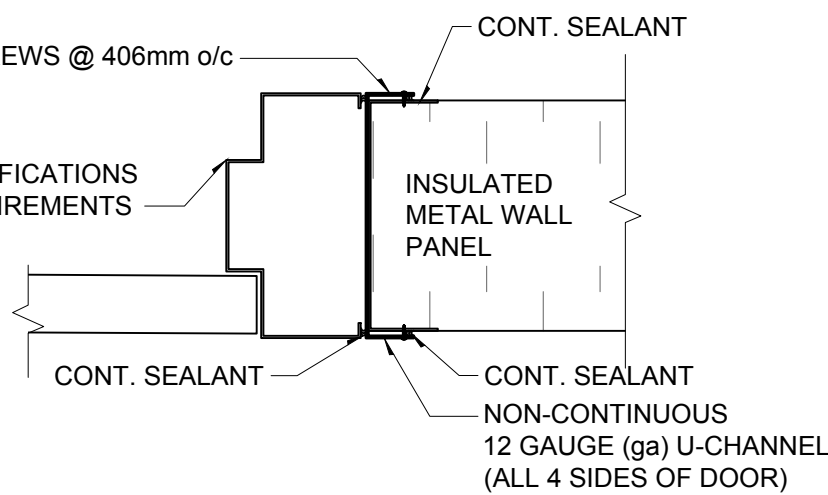
S201 150

#### FRAMING SCHEDULE

TAG	DESCRIPTION	REMARKS
F1	127mm CONCRETE SLAB	SEE DETAIL 5 FOR SPECIFICATIONS
W1	150mm INSULATED METAL PANEL	ALL EXPOSED EDGES TO BE FLASHED, FLASHING TO MATCH IMP COLOR
R1	150mm INSULATED METAL PANEL	ALL EXPOSED EDGES TO BE FLASHED, FLASHING TO MATCH IMP COLOR

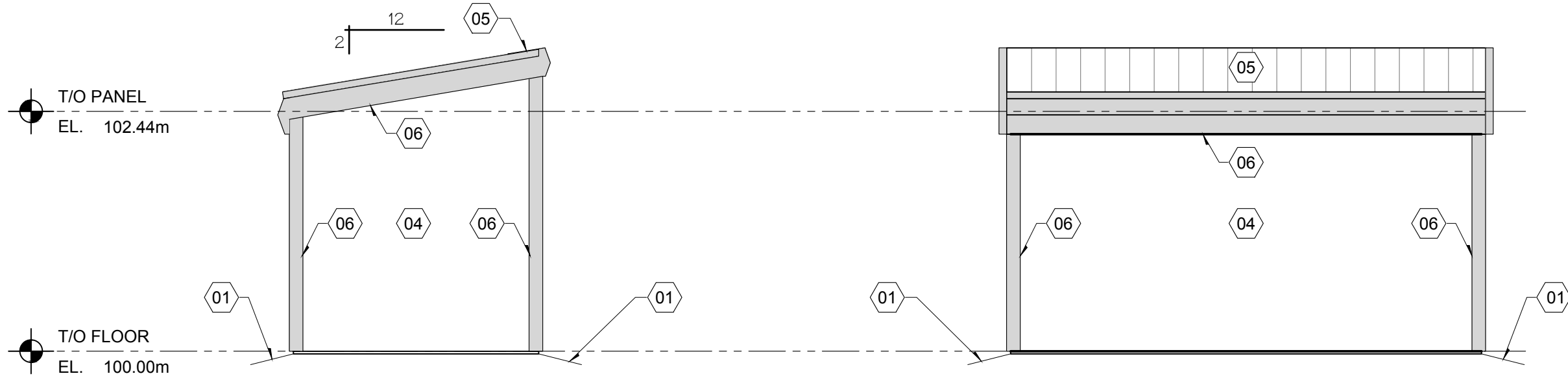
PPD PANEL CAP c/w  
#8 x 19mm PPD TEK SCREWS @ 406mm o/c

REFER TO DOOR SPECIFICATIONS  
FOR INSULATION REQUIREMENTS



### 7 TYP. DOOR JAMB DETAIL

S201 150

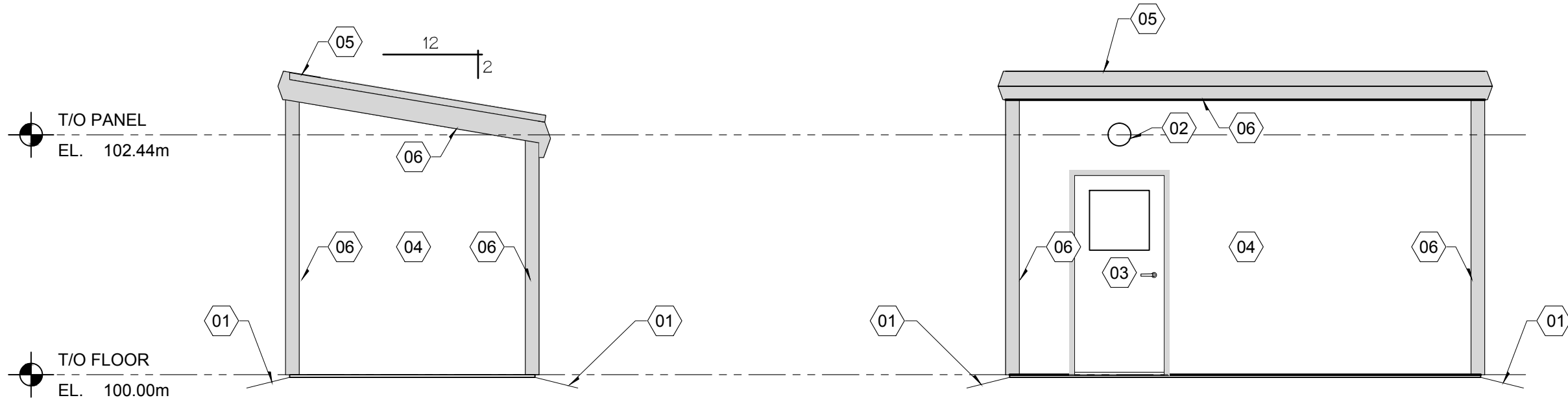


### 3 BUILDING ELEVATION

S201 150  
SHEET REF.: S201

### 4 BUILDING ELEVATION

S201 150  
SHEET REF.: S201



### 5 BUILDING ELEVATION

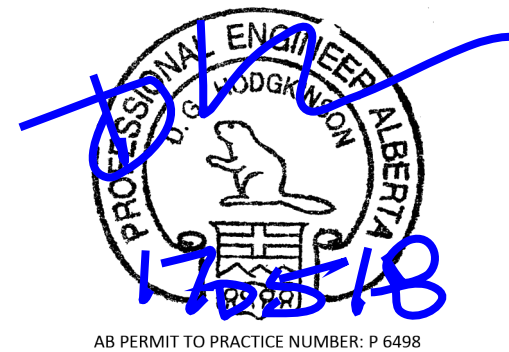
S201 150  
SHEET REF.: S201

### 6 BUILDING ELEVATION

S201 150  
SHEET REF.: S201

TAG	DESCRIPTION
01	GRADE
02	EXTERIOR LIGHT FIXTURE
03	STEEL INSULATED DOOR
04	INSULATED METAL WALL PANEL
05	INSULATED METAL ROOF PANEL
06	METAL TRIMMING

ISSUED  
FOR TENDER



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2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

#### PUBLIC WORKS & GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title

#### BEEF FEEDLOT WATER RENOVATION & EXPANSION LACOMBE, AB

Designed by  
JLF

Drawn by  
JF

Approved by  
DGH

PWGSC Project Manager

Drawing title

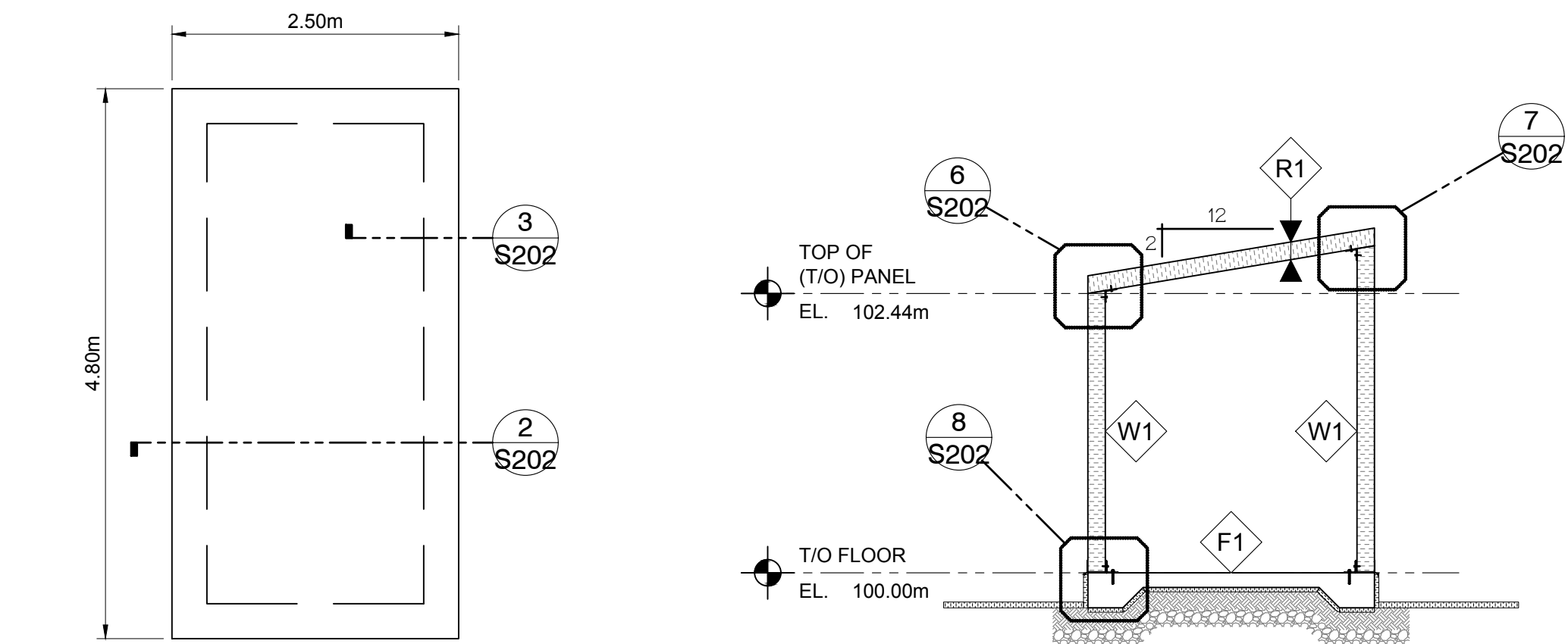
#### PUMP HOUSE - FLOOR PLANS & ELEVATIONS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	S201	0

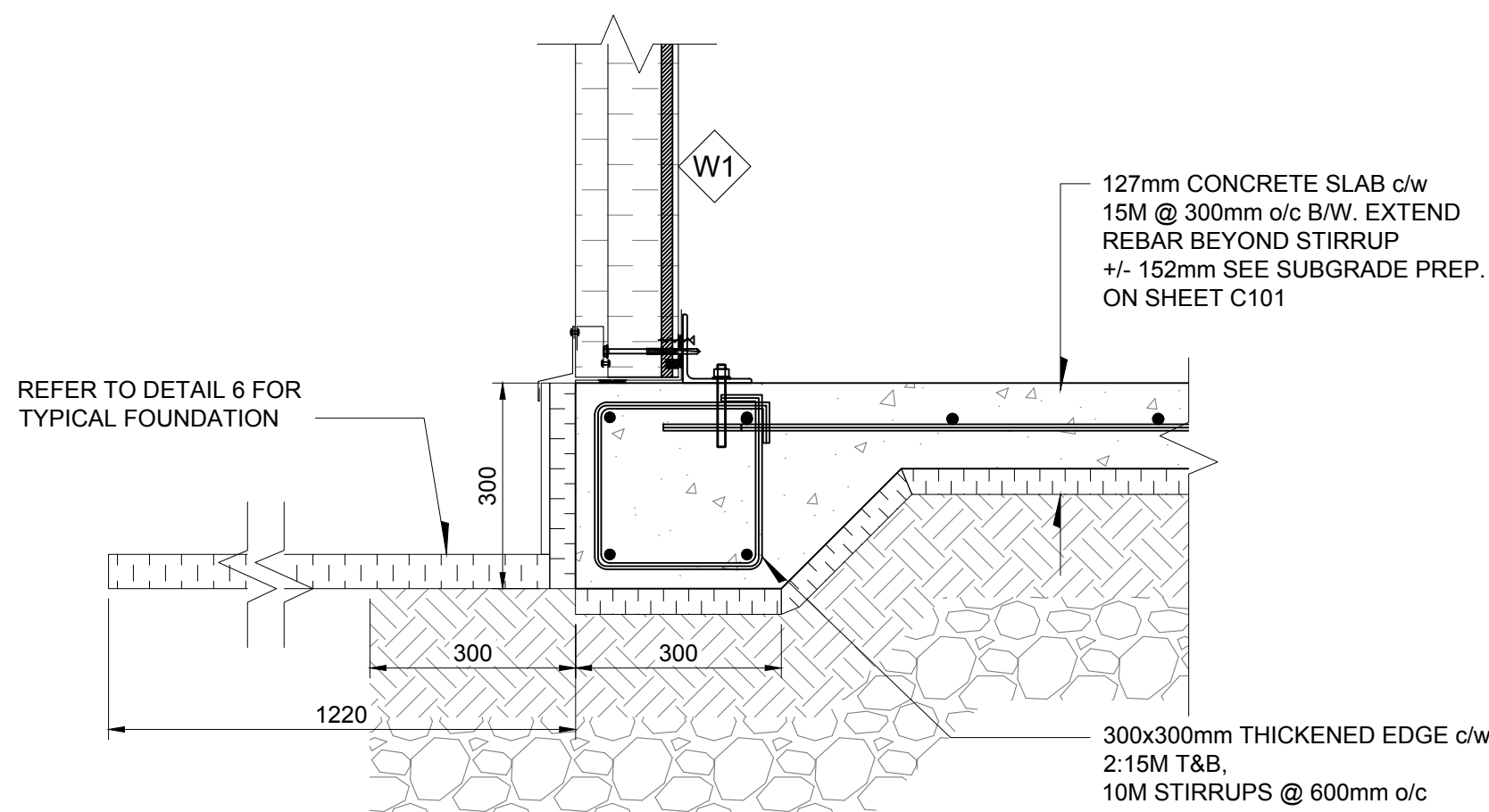


# ISSUED FOR TENDER

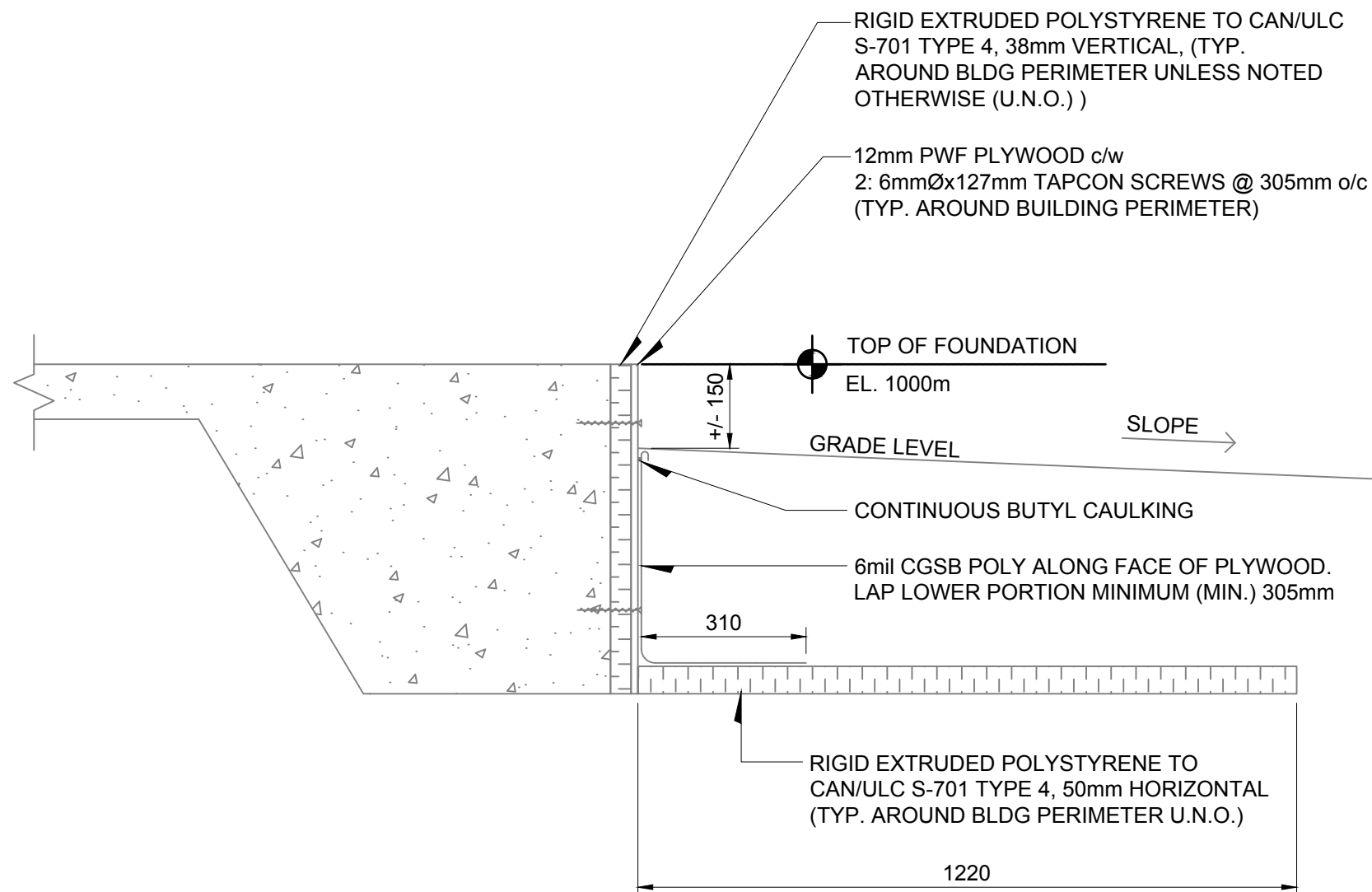
FRAMING SCHEDULE		
TAG	DESCRIPTION	REMARKS
F1	127mm CONCRETE SLAB	SEE DETAIL 5 FOR SPECIFICATIONS
W1	150mm INSULATED METAL PANEL	ALL EXPOSED EDGES TO BE FLASHED, FLASHING TO MATCH IMP COLOR
R1	150mm INSULATED METAL PANEL	ALL EXPOSED EDGES TO BE FLASHED, FLASHING TO MATCH IMP COLOR



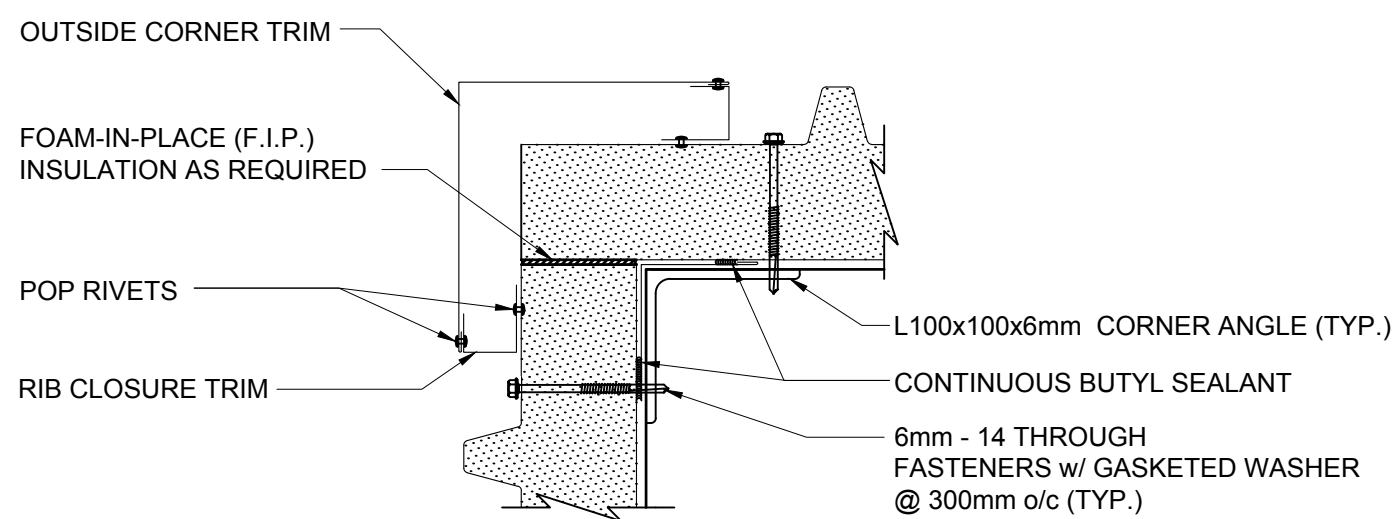
1 FOUNDATION PLAN  
S202 1/50



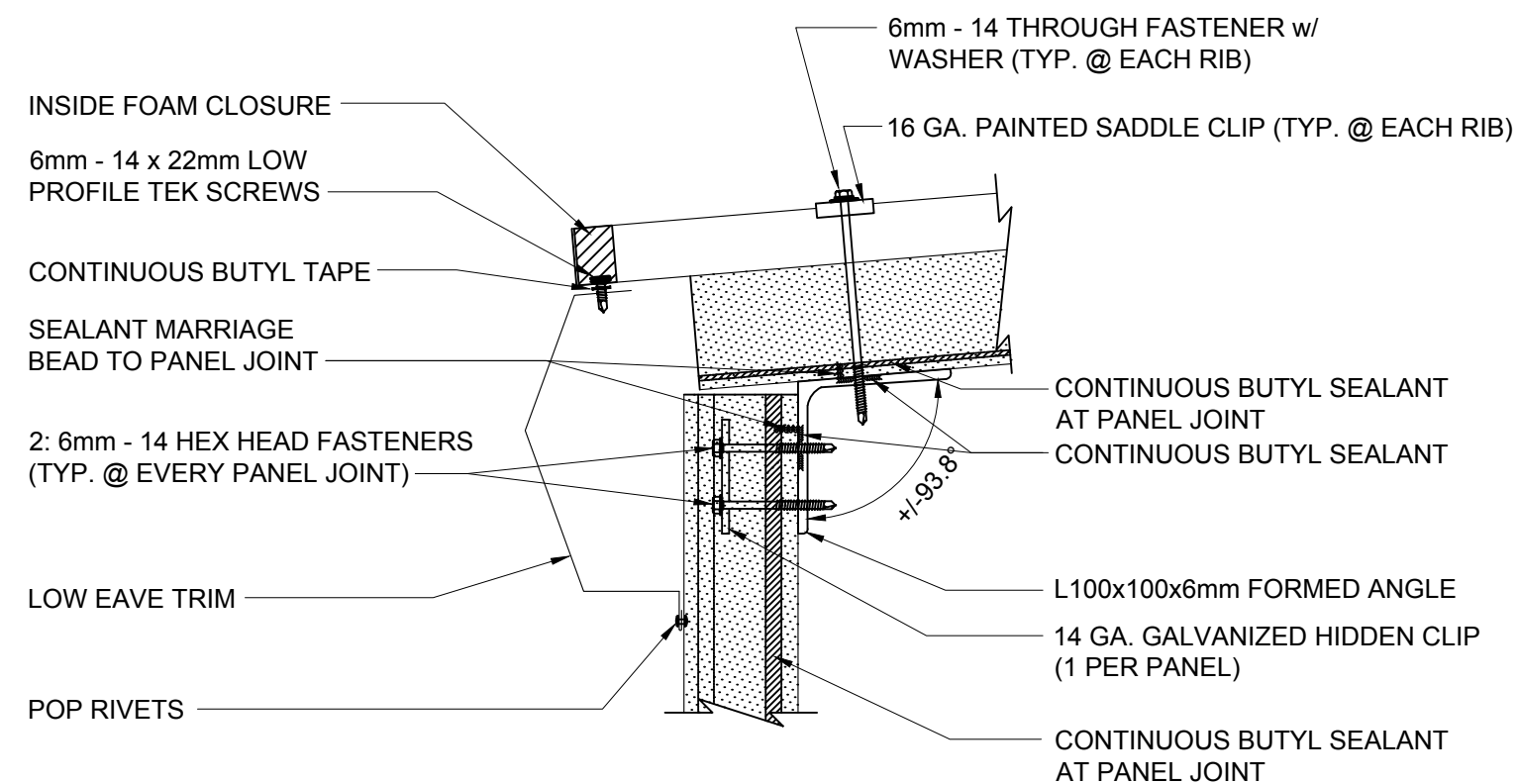
3 FOUNDATION DETAIL  
S202 1:10  
SHEET REF.: S202



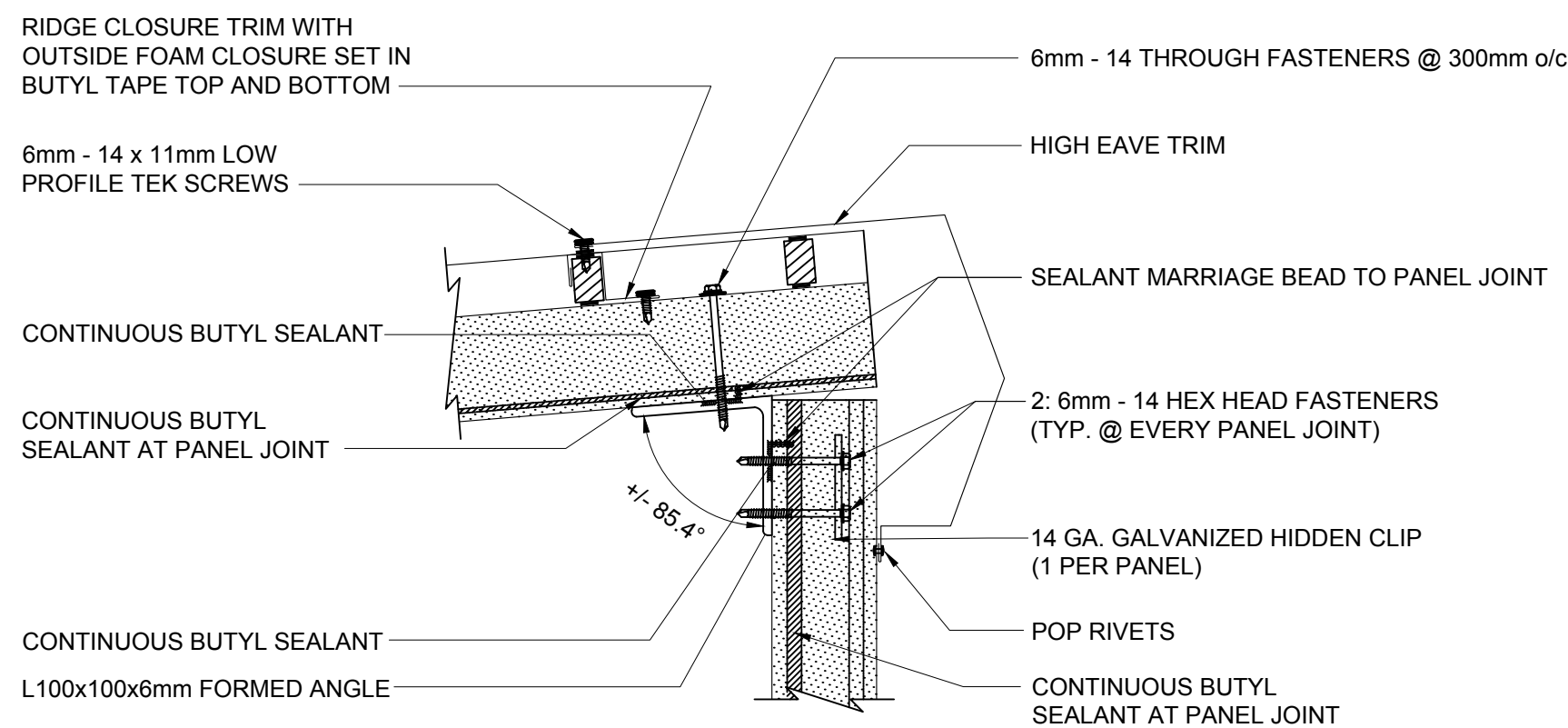
4 FOUNDATION INSULATION  
5202 N.T.S.



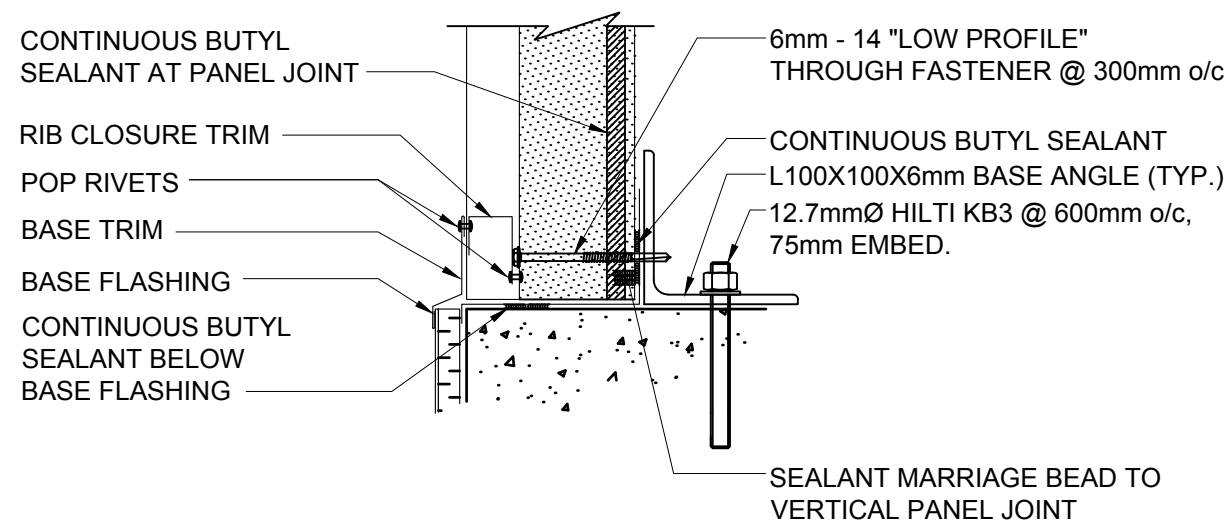
5 FRAMING PLAN  
N.T.S.  
SHEET REF. - 6201



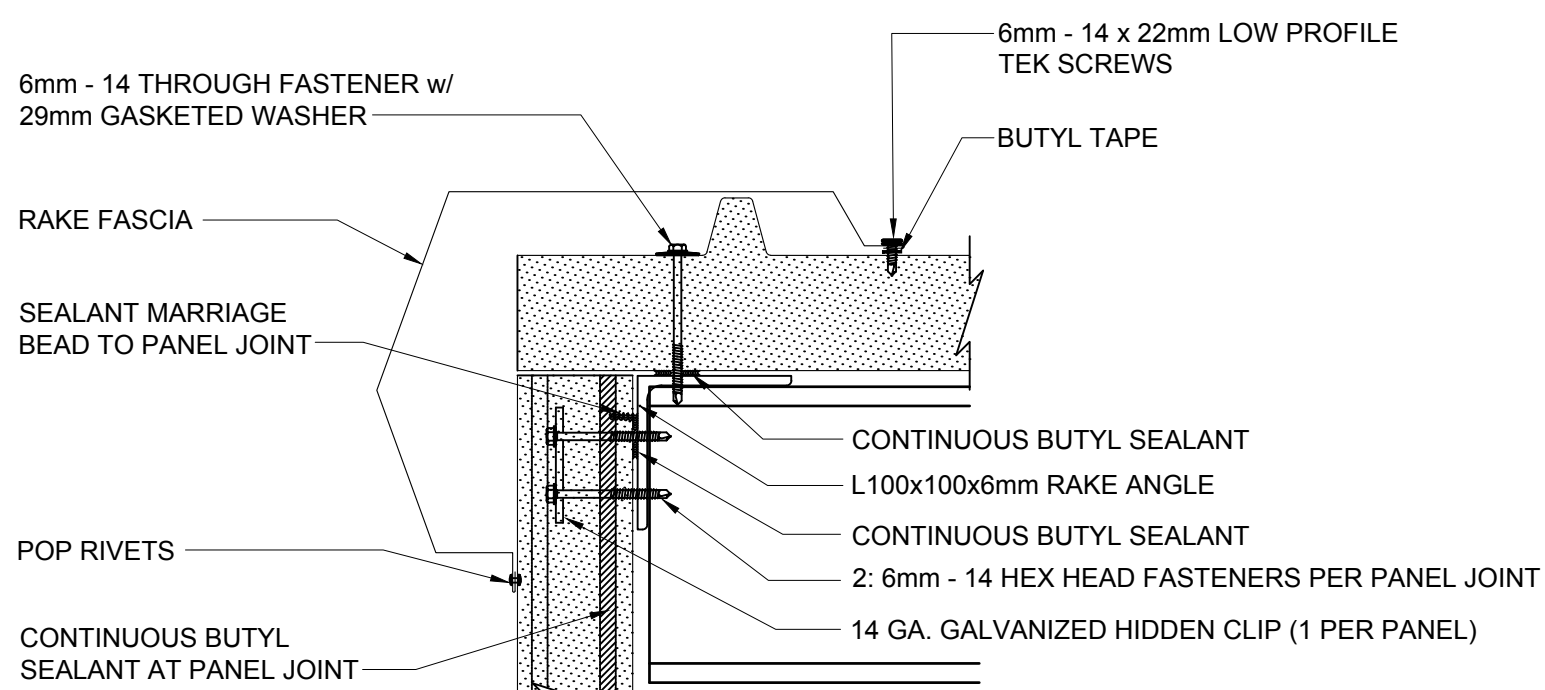
6 FRAMING PLAN  
N.T.S.  
SHEET REF: 6202



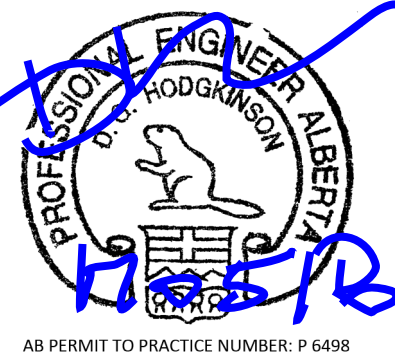
7 FRAMING PLAN  
N.T.S.  
SHEET REF. 6202



8 FRAMING PLAN  
S202 N.T.S.  
SHEET REF.: 6302



9 TYP. RAKE DETAIL  
S202 N.T.S.



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2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/26
0	Design Completion	
Revision	Description	Date
Client		client

**PUBLIC WORKS &  
GOVERNMENT SERVICES**

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title	Project
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**BEEF FEEDLOT WATER  
RENOVATION & EXPANSION**  
LACOMBE, AB

Designed by	Conçu par
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Drawn by \_\_\_\_\_ Dessiné par \_\_\_\_\_

Approved by	Approuvé par
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PWGSC Project Manager	Administrateur de Projets TPSGC
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Drawing title	Titre du dessin
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### PUMP HOUSE - FOUNDATION PLAN & STRUCTURAL DETAILS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
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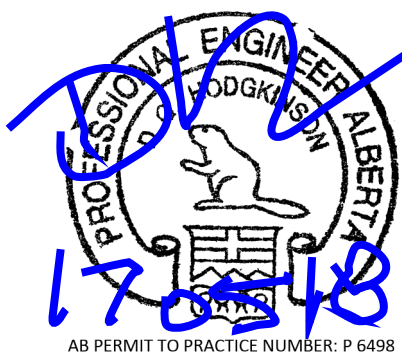
R. 082927.001

**S202**

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ISSUED  
FOR TENDER



5		
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2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project titleProjet

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed byConçu par  
MAH

Drawn by Dessiné par  
JF

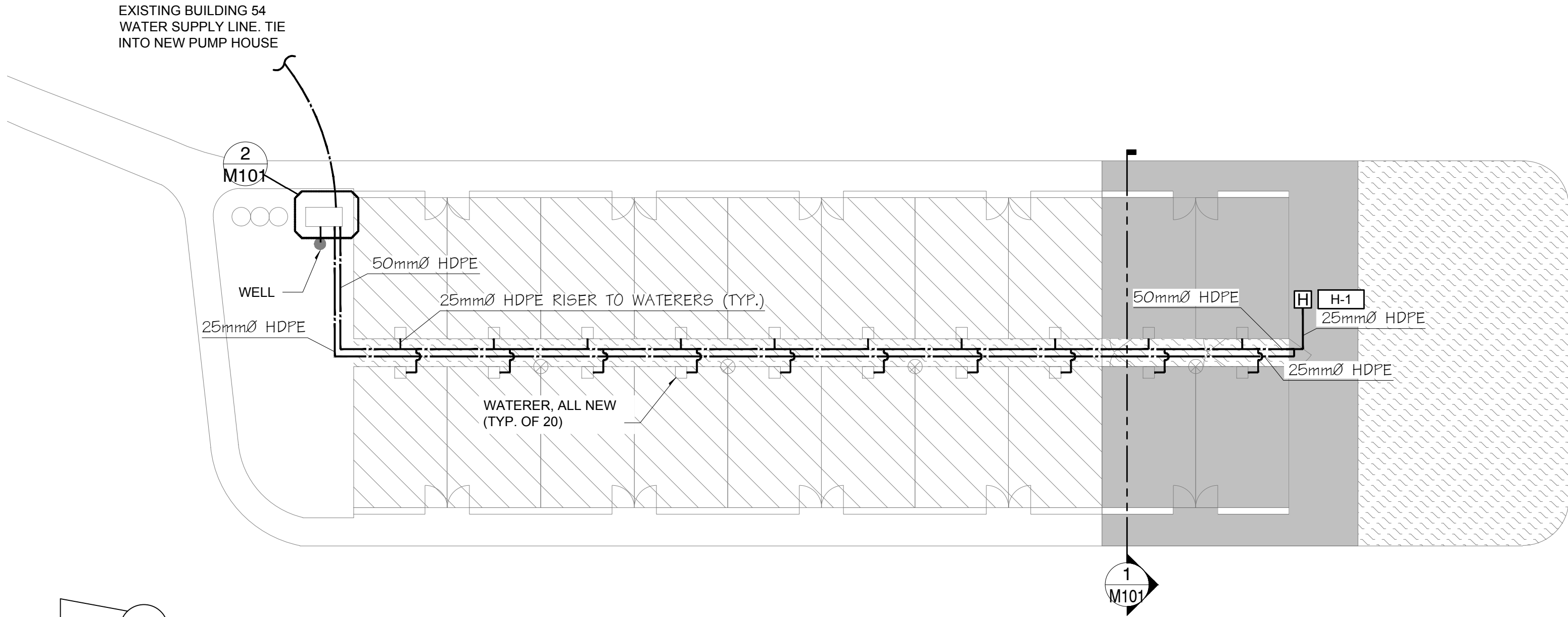
Approved byApprouvé par  
DGH

PWGSC Project ManagerAdministrateur de Projets TPSGC

Drawing titleTitre du dessin





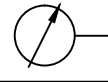
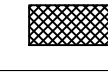



MECHANICAL  
SITE LAYOUT

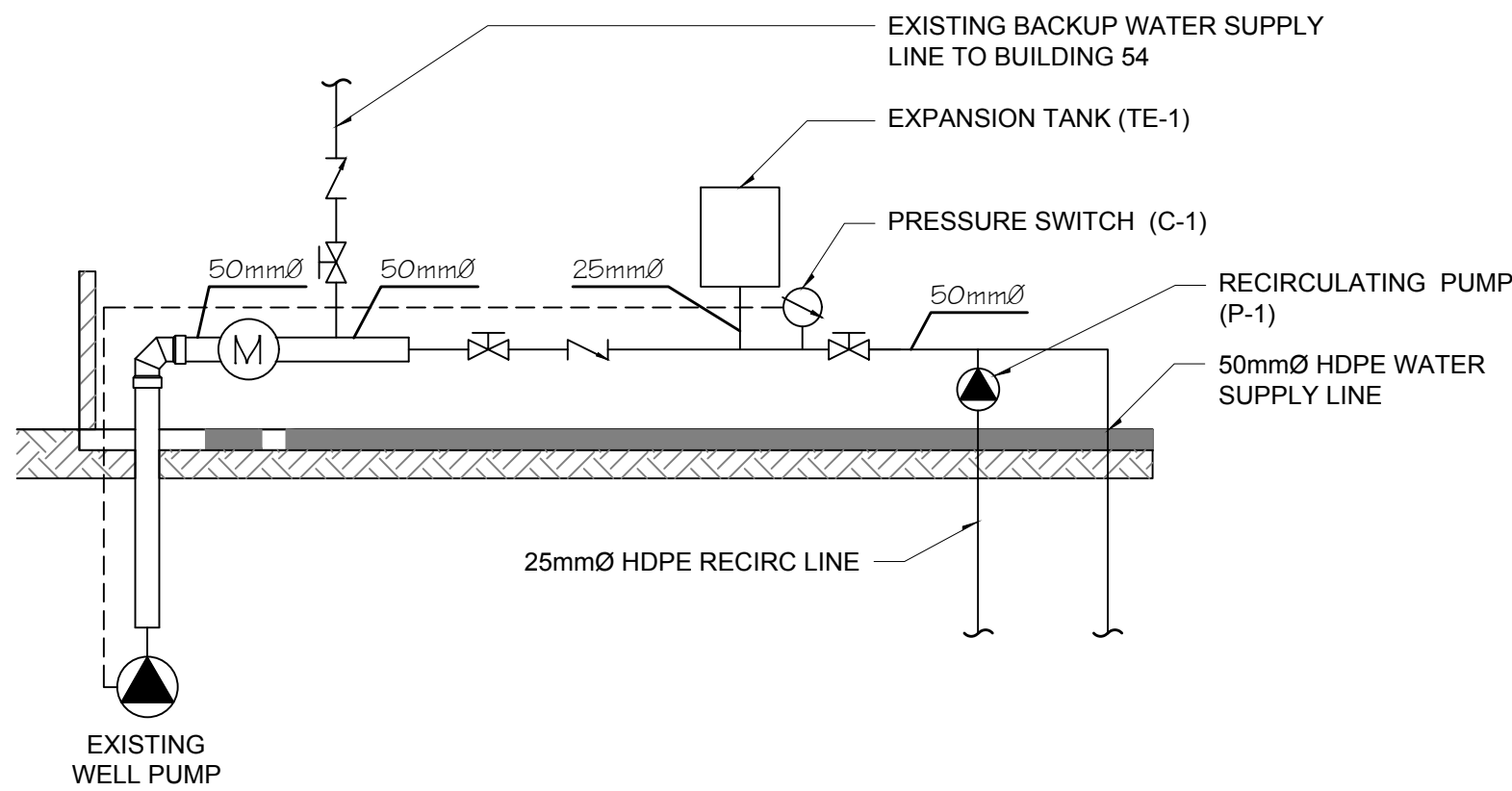
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	M101	0



ENLARGED MECHANICAL SITE LAYOUT

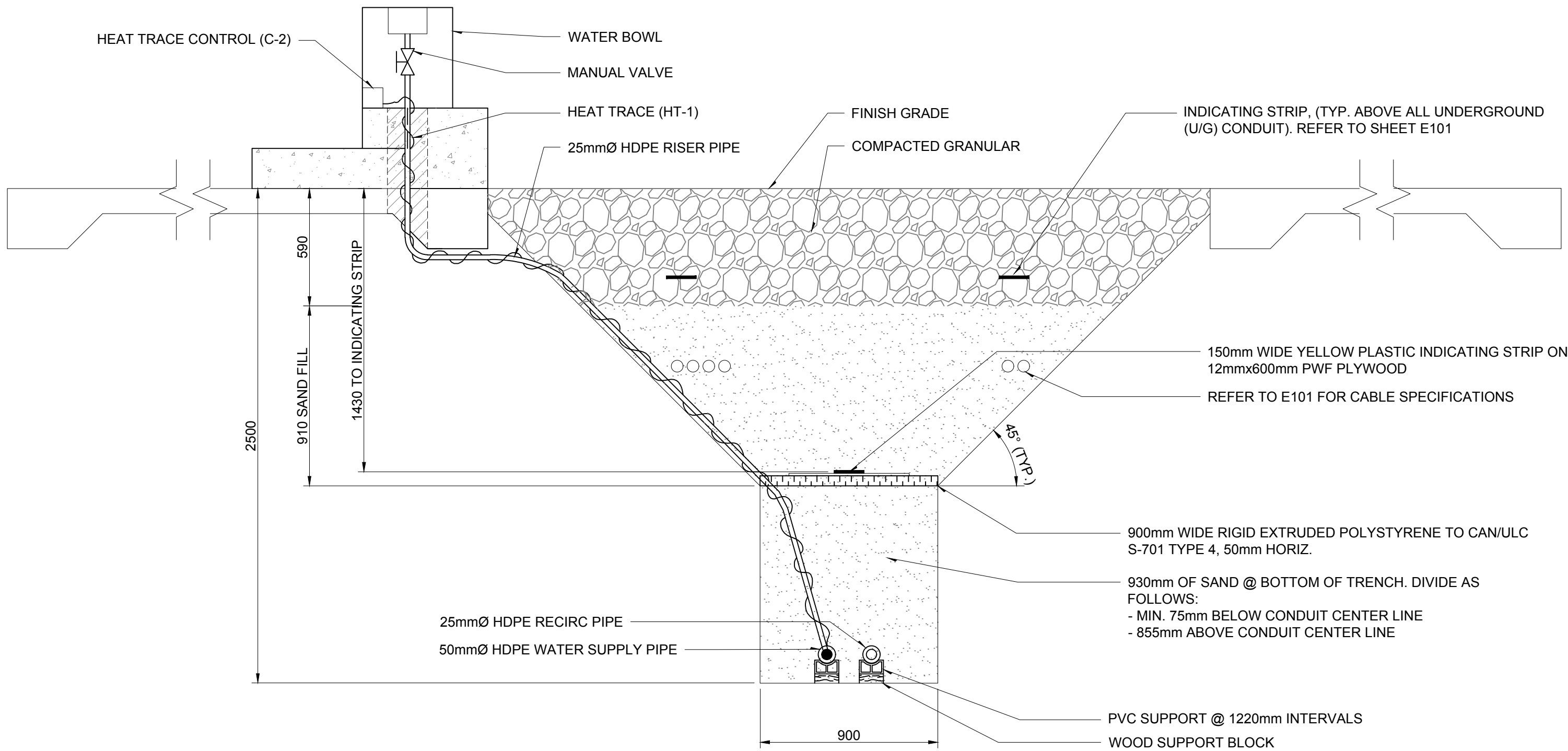
SCALE: 1:500

LEGEND			
ITEM	SYMBOL	ITEM	SYMBOL
PROPERTY LINE	---	FITTING - GATE/GLOBE VALVE	
EXISTING PENS TO REMAIN		EQUIPMENT - SYSTEM PUMP	
NEW CONCRETE PENS AND ALLEYS		DEVICE - PRESSURE GAUGE	
DOMESTIC COLD WATER LINE	---	FORCED FAN HEATER (FFH-X)	
PIPING - ANNOTATION, PIPE SIZE (00" DIAMETER)		CHECK VALVE	
FROST FREE HYDRANT	H	WATER METER	



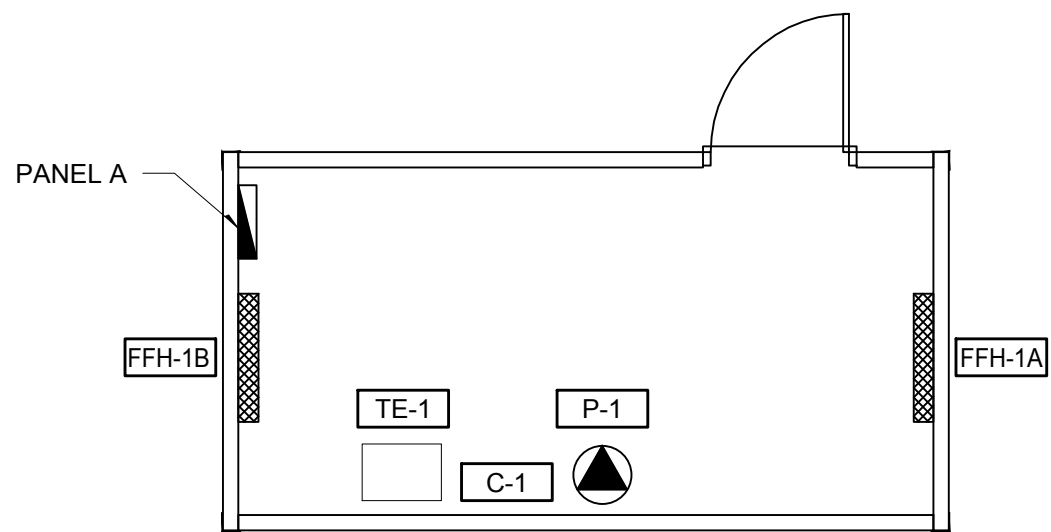
NOTE:  
ALL PIPING, FITTINGS, & EQUIPMENT NEW  
UNLESS NOTED OTHERWISE.

WELL DETAIL



1  
TYPICAL TRENCH DETAIL

120  
SHEET REF.: M101

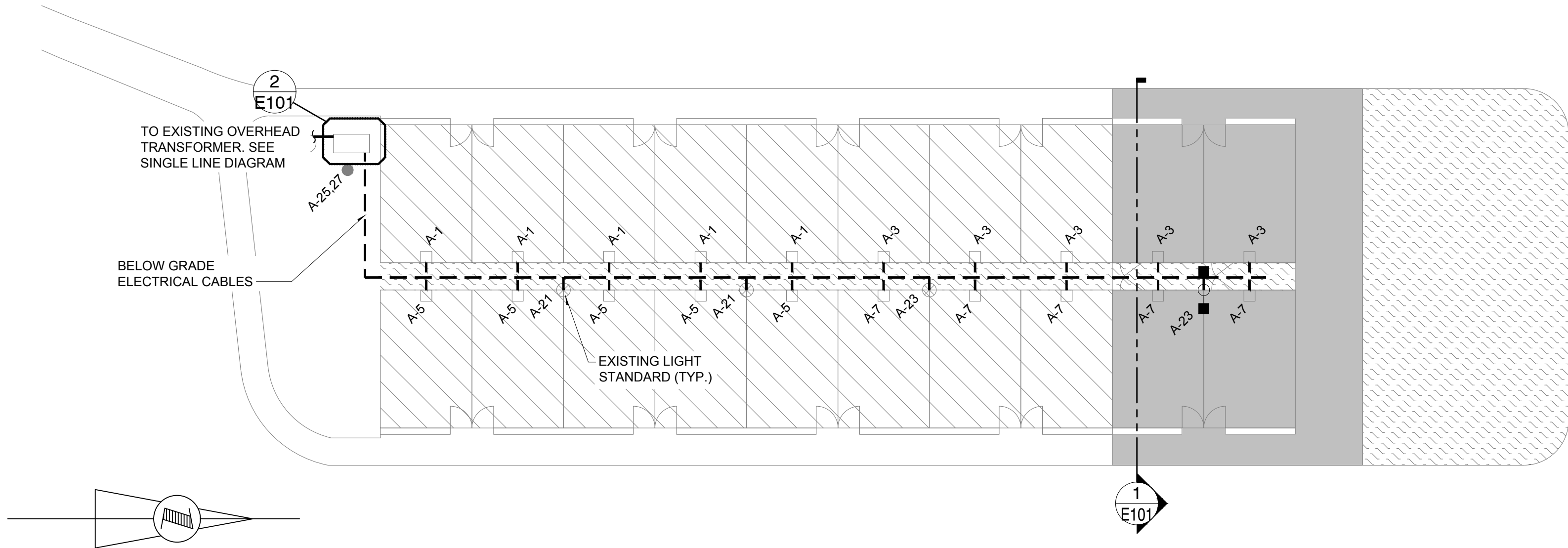


2  
PUMP HOUSE EQUIPMENT LAYOUT

150  
SHEET REF.: M101






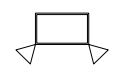



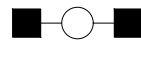


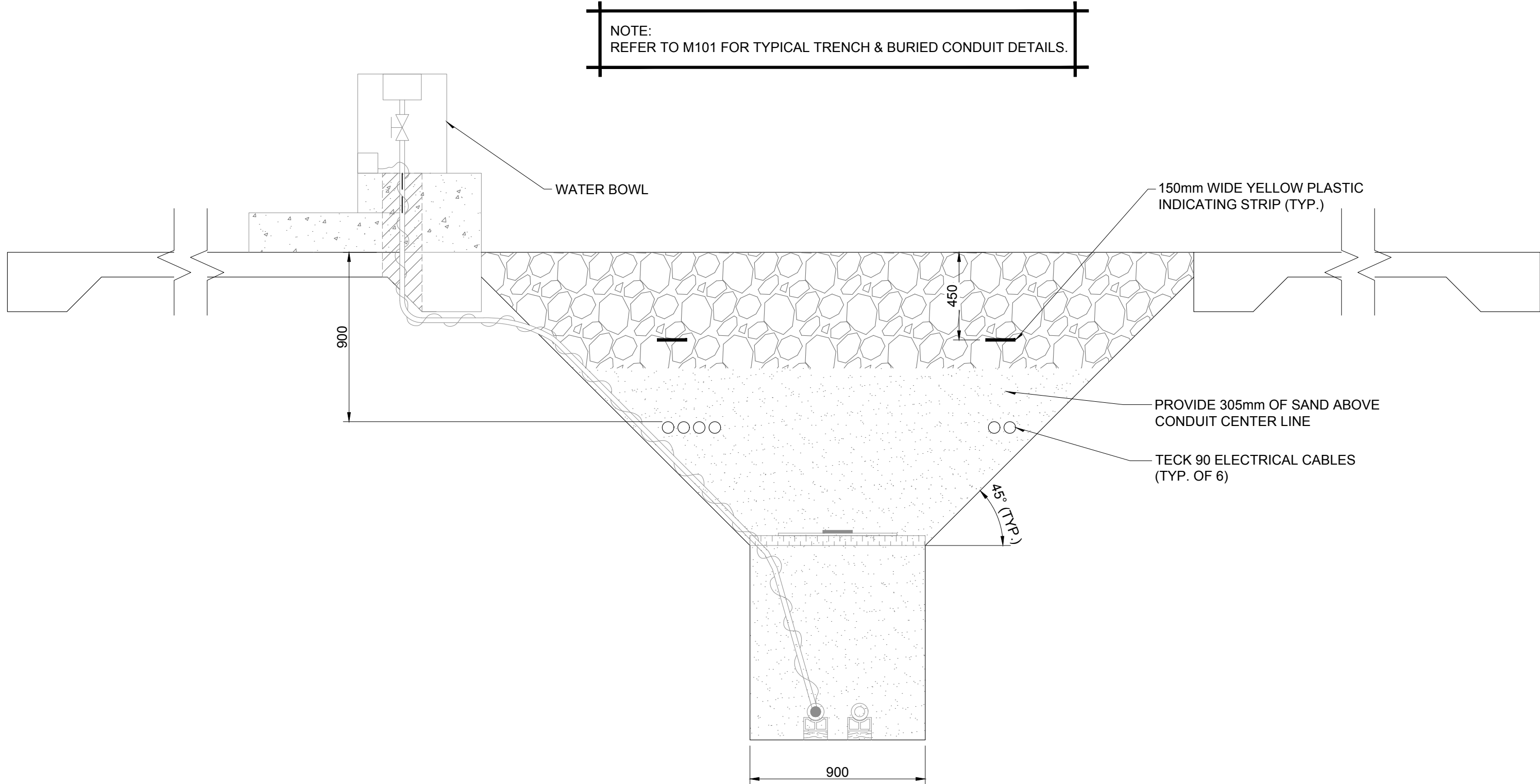
ISSUED  
FOR TENDER



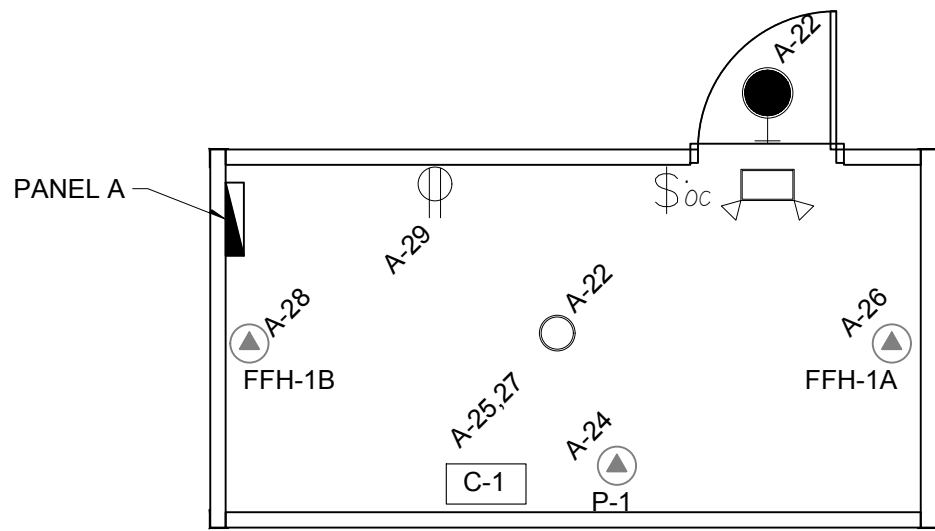
ENLARGED ELECTRICAL SITE LAYOUT

SCALE: 1:500

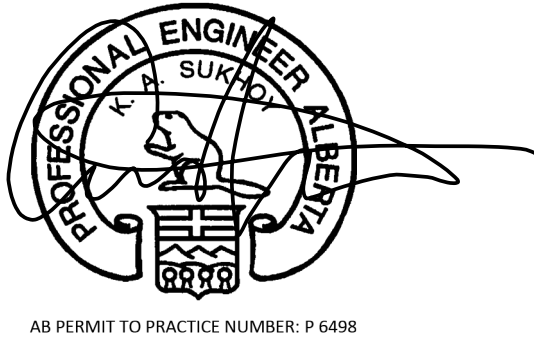
LEGEND		
ITEM	SYMBOL	REMARKS
PROPERTY LINE	- - - -	
EXISTING PENS TO REMAIN		
NEW CONCRETE PENS AND ALLEYS		
UNDERGROUND CONDUIT	- - - -	
SWITCH 20A, 120V, OCCUPANCY SENSOR		
LIGHT FIXTURE, EXTERIOR TYPE w/ PHOTOCELL, SURFACE WALL MOUNT		12W LED
LIGHT FIXTURE		20W LED
EMERGENCY BATTERY PACK		2: 4W LED w/ BATTERY CAPACITY 32W FOR 30 MINUTES
EQUIPMENT CONNECTION		
ELECTRICAL POWER PANEL		
RECEPTACLE 15A, 120V, DUPLEX AT 18" A.F.F.		
EXTERIOR LIGHT STANDARD (2-HEAD)		200W LED



TYPICAL TRENCH DETAIL



ENLARGED PUMP HOUSE



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3		
2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project title

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed by

KAS

Conçu par

Drawn by

JF

Dessiné par

Approved by

DGH

Approuvé par

PWGSC Project Manager

Administrateur de Projets TPSGC

Drawing title

ELECTRICAL  
SITE LAYOUT

Titre du dessin

Project no./No. du projet

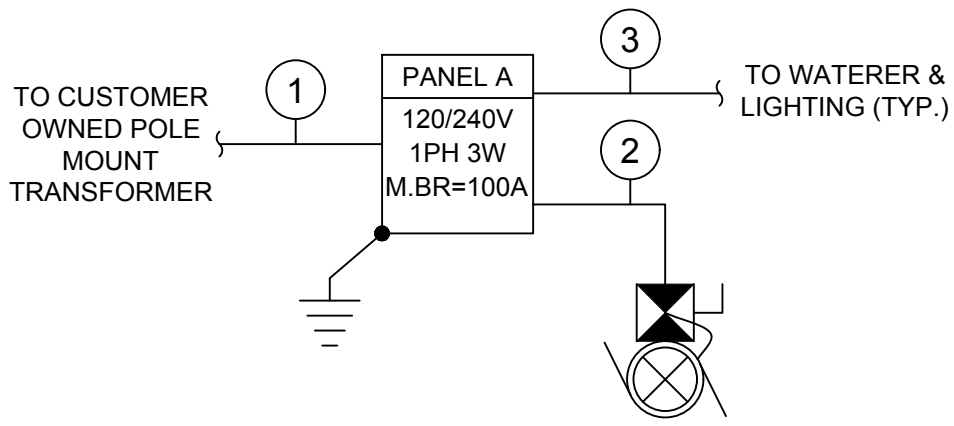
R. 082927.001

Drawing no./No. du dessin

E101

Revision no.

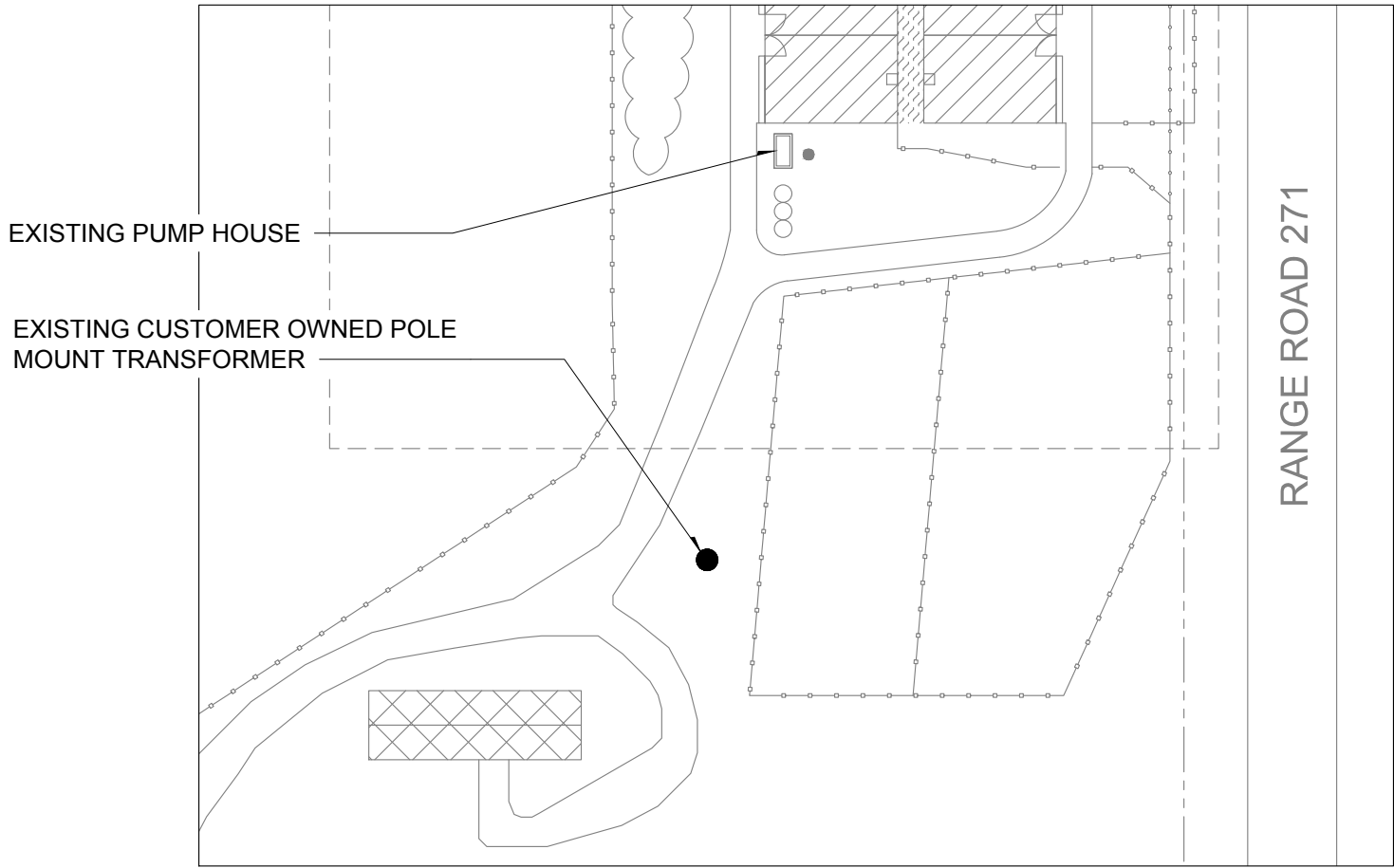
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FEEDER SCHEDULE	
1	3#2/0+1#6 - 1 1/2"C (Table D10B Diagram D10 Detail 1) 60M
2	3#10+1#12 Teck 90
3a	2#10+1#12 Teck 90 up to 40M. (Circuit 1)
3b	2#8+1#10 Teck 90 up to 70M. (Circuit 3)
3c	2#6+1#8 Teck 90 up to 110M. (Circuit 5)
3d	2#4+1#8 Teck 90 up to 170M. (Circuit 7)

DISTRIBUTION DIAGRAM

LEGEND	
ITEM	SYMBOL
MOTOR, EQUIPMENT	
MOTOR DISCONNECT	



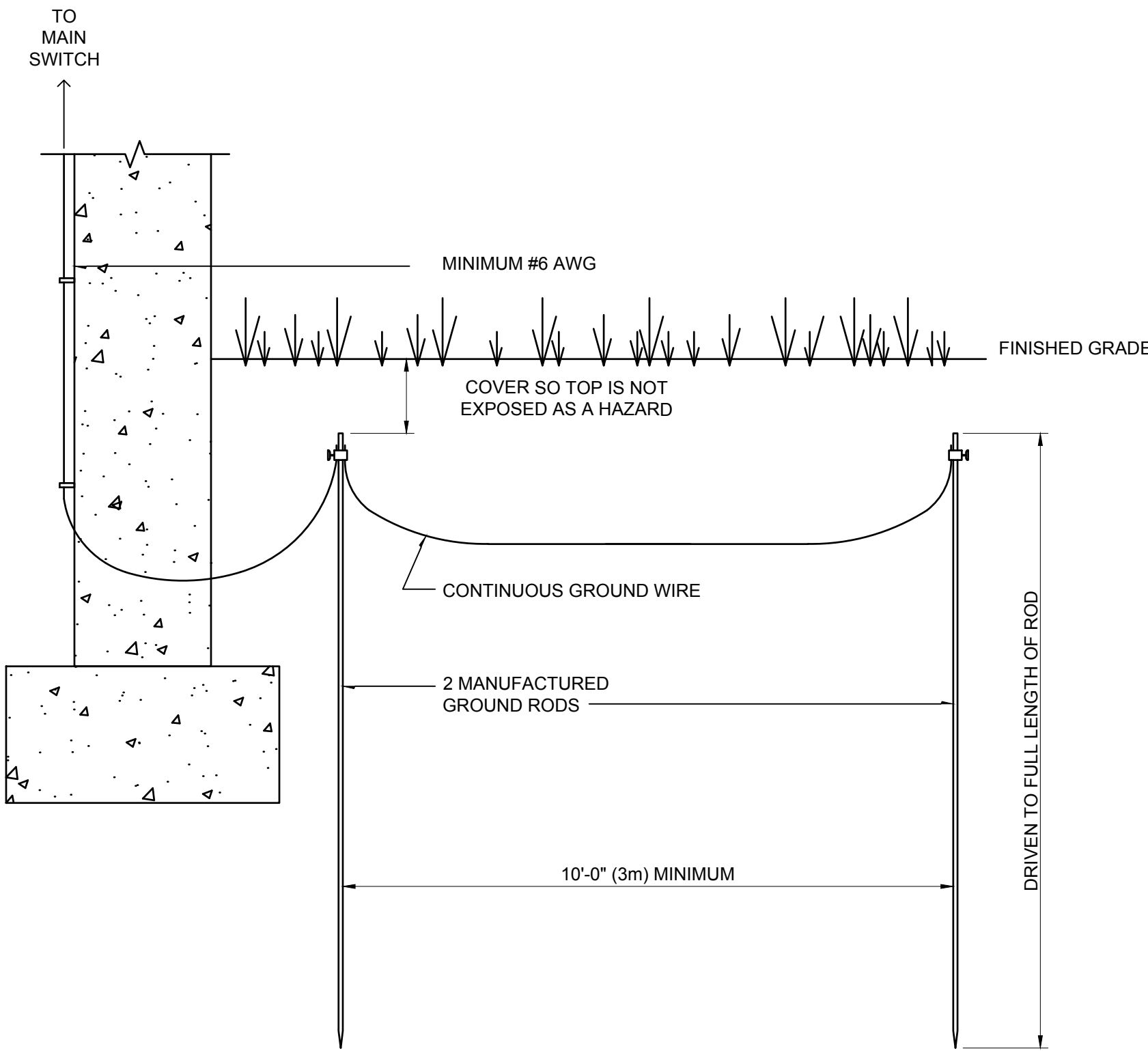
KEY PLAN

Project Name: AAFC Beef Feedlot , Lacombe, AB

Project Number: 1020-024

		120/240		: VOLTS		PANEL BOARD: A				BUS :		100A	
		1		: PHASE						FEEDER :			
		3		: WIRES						Main Br.		100A	
		11056		: WATTS						AMPS :		46.07	

DESCRIPTION	WATTS	LIGHT	REC	OTHER	CIR.	BRK.	A	B	BRK.	CIR.	OTHER	REC	LIGHT	WATTS	DESCRIPTION
Waterers w/ Heat trace #1-5	1015			10	1	15	●	●	15	2					Spare
Waterers w/ Heat trace#6-10	1015			10	3	15	●	●	15	4					Spare
Waterers w/ Heat trace#11-15	1015			10	5	15	●	●	15	6					Spare
Waterers w/ Heat trace#16-20	1015			10	7	15	●	●	15	8					Spare
Blank					9		●	●	15	10					Spare
Blank					11		●	●	15	12					Spare
Blank					13		●	●	15	14					Spare
Blank					15		●	●	15	16					Spare
Blank					17		●	●	15	18					Spare
Blank					19		●	●	15	20					Spare
Light Standard w/ Photocell	1200	4			21	15	●	●	15	22	1		2	50	Lighting Pump House
Light Standard w/ Photocell	1200	4			23	15	●	●	15	24	1			506	P-1
Well Pump 2HP	920			1	25	30	●	●	20	26	1			1500	FFH-1A
					27	2P	●	●	20	28	1			1500	FFH-1B
Receptacle	120		1		29	15	●	●	15	30					Spare
Blank					31		●	●	15	32					Spare
Blank					33		●	●		34					Blank
Blank					35		●	●		36					Blank
Blank					37		●	●		38					Blank
Blank					39		●	●		40					Blank
Blank					41		●	●		42					Blank
7500							3556								



ELECTRICAL CURRENT  
GROUNDING CONDUCTOR

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

ISSUED  
FOR TENDER

AB PERMIT TO PRACTICE NUMBER: P 6498  
2017-05-17

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2	100% CONSTRUCTION DOCUMENTS	2017/05/18
1	99% CONSTRUCTION DOCUMENTS	2017/03/28
0	Design Completion	
Revision	Description	Date
Client		client

PUBLIC WORKS &  
GOVERNMENT SERVICES

ATB PLACE NORTH TOWER, 10025 JASPER AVE., EDMONTON, AB.

Project titleProjet

BEEF FEEDLOT WATER  
RENOVATION & EXPANSION  
LACOMBE, AB

Designed by KAS	Conçu par
Drawn by JF	Dessiné par
Approved by DGH	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSGC

Drawing titleTitre du dessin

DISTRIBUTION DIAGRAM  
& PANELS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R. 082927.001	E201	0