

1 BASEMENT PLAN
E101 SCALE: 1:100

LINE TYPES LEGEND		
ITEM	SYMBOL	REMARKS
FIRE RATED WALLS		1 HOUR, EXISTING

EQUIPMENT LEGEND		
ITEM	SYMBOL	REMARKS
MOTOR, EQUIPMENT		
ELECTRICAL POWER PANEL		
DUPLEX PUMP CONTROL PANEL (CP-#)		
RECEPTACLE 15A, 120V, DUPLEX AT 18" A.F.F.		

SEWER PUMP/PIT CONSTRUCTION NOTES:

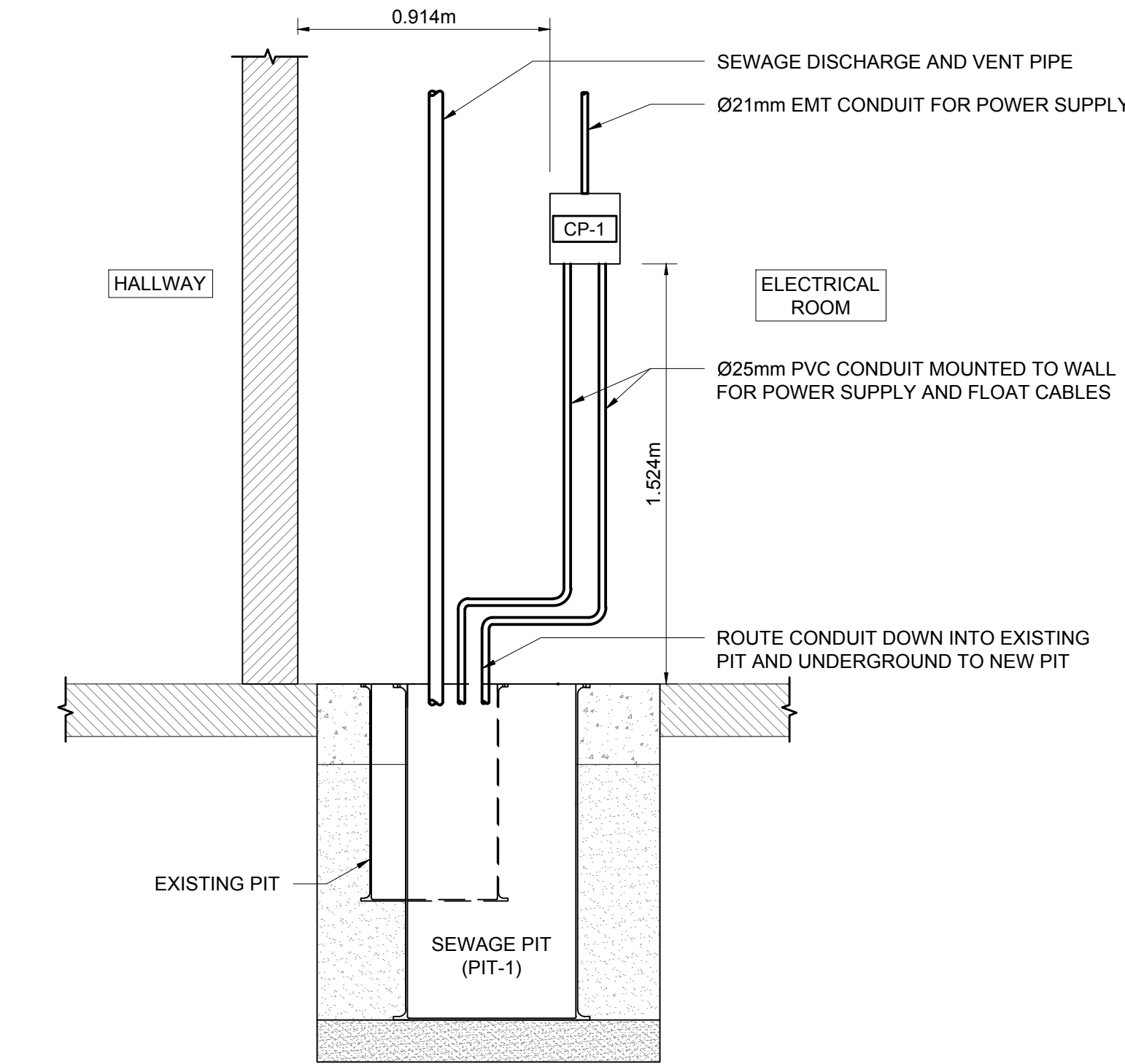
- INSTALL NEW POWER SUPPLY WIRING IN NEW CONDUITS AS SHOWN.
- PUMP CONTROL PANEL, PUMP POWER SUPPLY CABLING, AND FLOAT CABLING TO BE PROVIDED BY MECHANICAL CONTRACTOR WITH PUMP PACKAGE. ELECTRICAL CONTRACTOR TO INSTALL PUMP POWER SUPPLY AND CONTROLS.
- LEAVE EXISTING RECEPTACLE CURRENTLY USED BY EXISTING SEWAGE PUMP AS IS.
- INSTALL FIRESTOP SYSTEMS FOR ALL NEW AND MODIFIED PENETRATIONS THROUGH FIRE RATED SEPARATIONS.

DRAINAGE PUMP/PIT CONSTRUCTION NOTES:

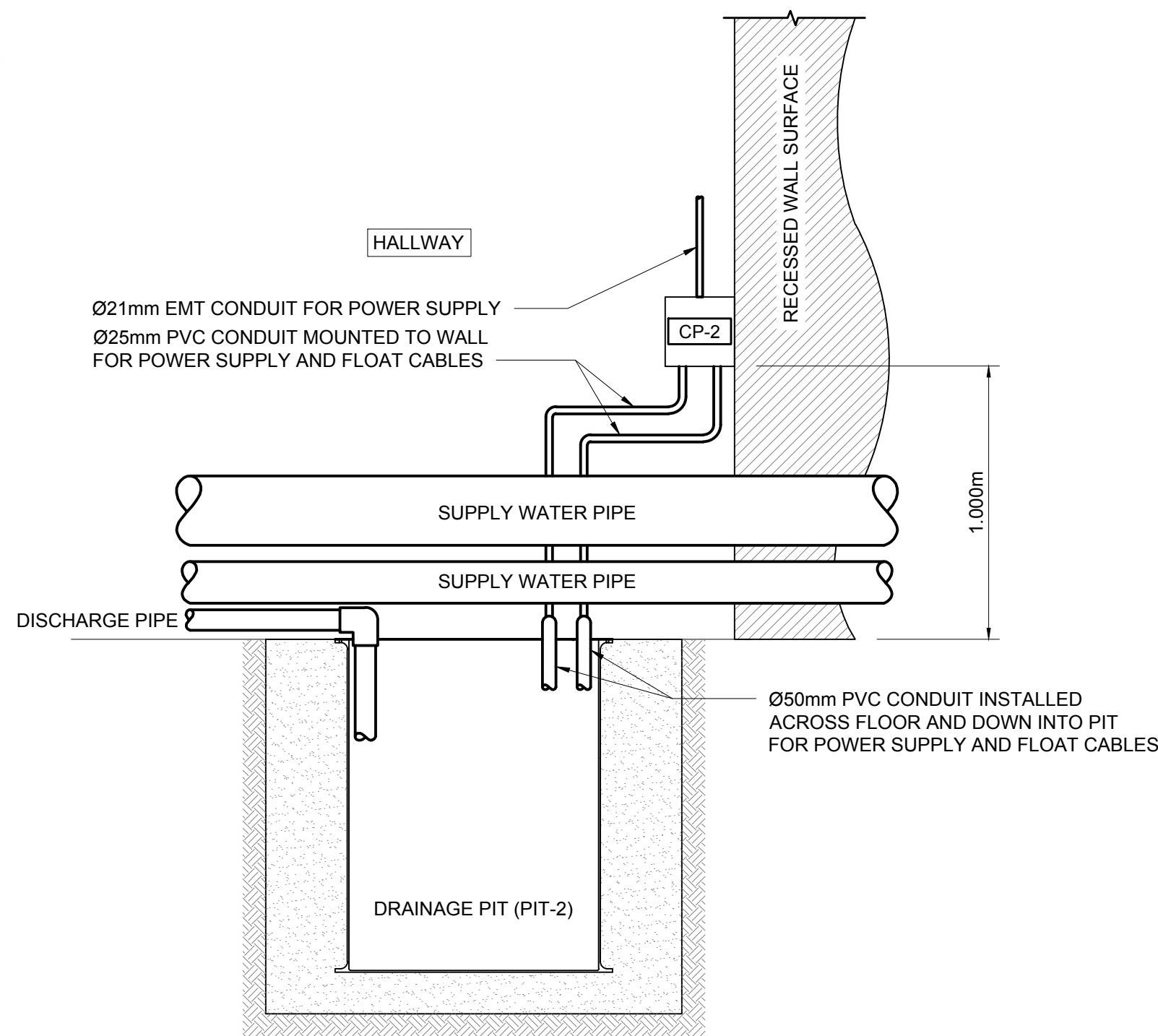
- INSTALL NEW POWER SUPPLY WIRING IN NEW CONDUITS AS SHOWN.
- PUMP CONTROL PANEL, PUMP POWER SUPPLY CABLING, AND FLOAT CABLING TO BE PROVIDED BY MECHANICAL CONTRACTOR WITH PUMP PACKAGE. ELECTRICAL CONTRACTOR TO INSTALL PUMP POWER SUPPLY AND CONTROLS.
- LEAVE EXISTING RECEPTACLE CURRENTLY USED BY EXISTING SEWAGE PUMP AS IS.
- INSTALL FIRESTOP SYSTEMS FOR ALL NEW AND MODIFIED PENETRATIONS THROUGH FIRE RATED SEPARATIONS.

NOTE:

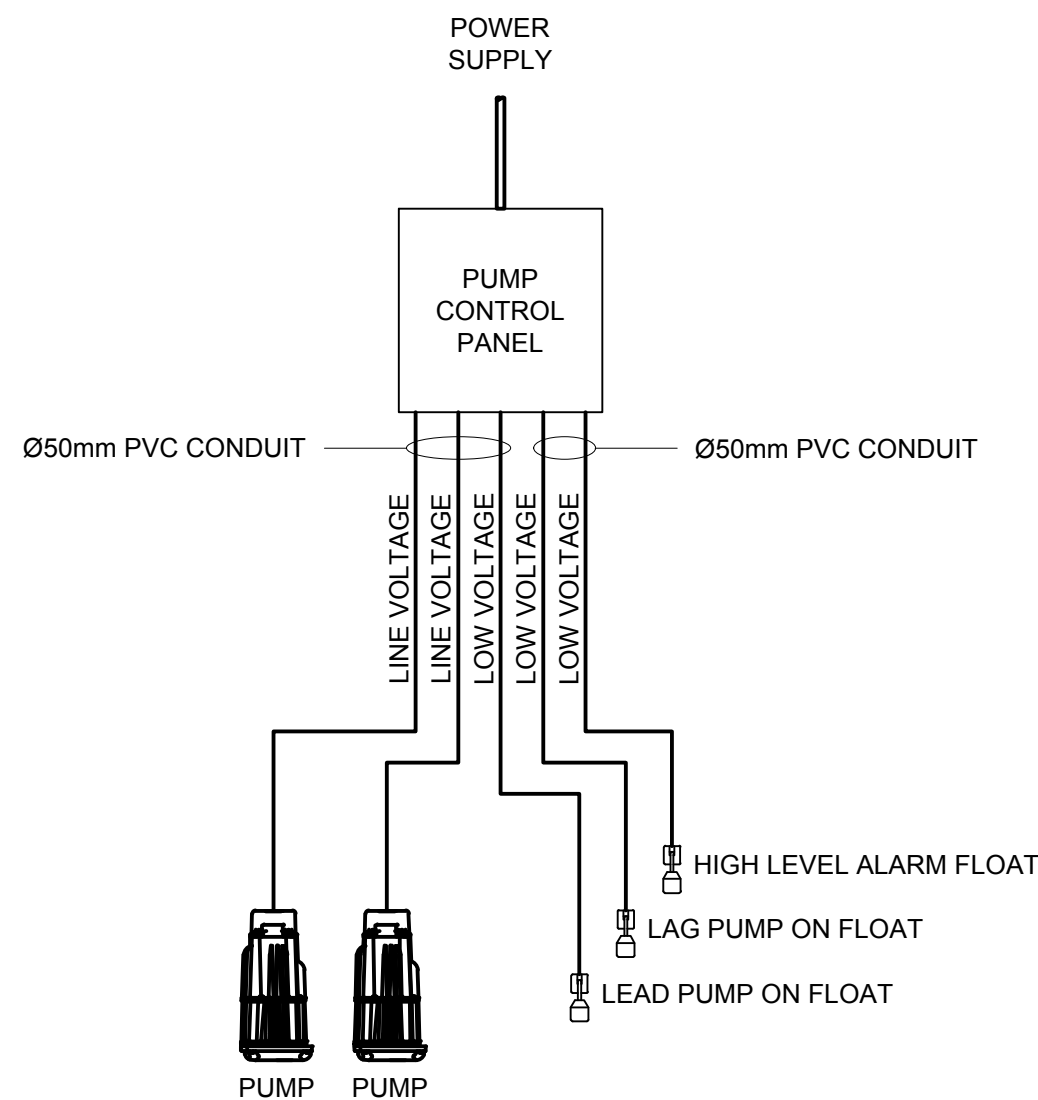
- PANEL INFORMATION:
PANEL B
MANUFACTURER: FEDERAL PIONEER
120/208V 225AMP 3PH 4W
TYPE: NBLP 42B-4L
- BREAKER INFORMATION:
NB SERIES BOLT-ON
MAXIMUM AIR RATINGS 10kA



2 SEWER PUMP/PIT
CONTROL PANEL INSTALLATION DETAIL
E101 SCALE: 1:20



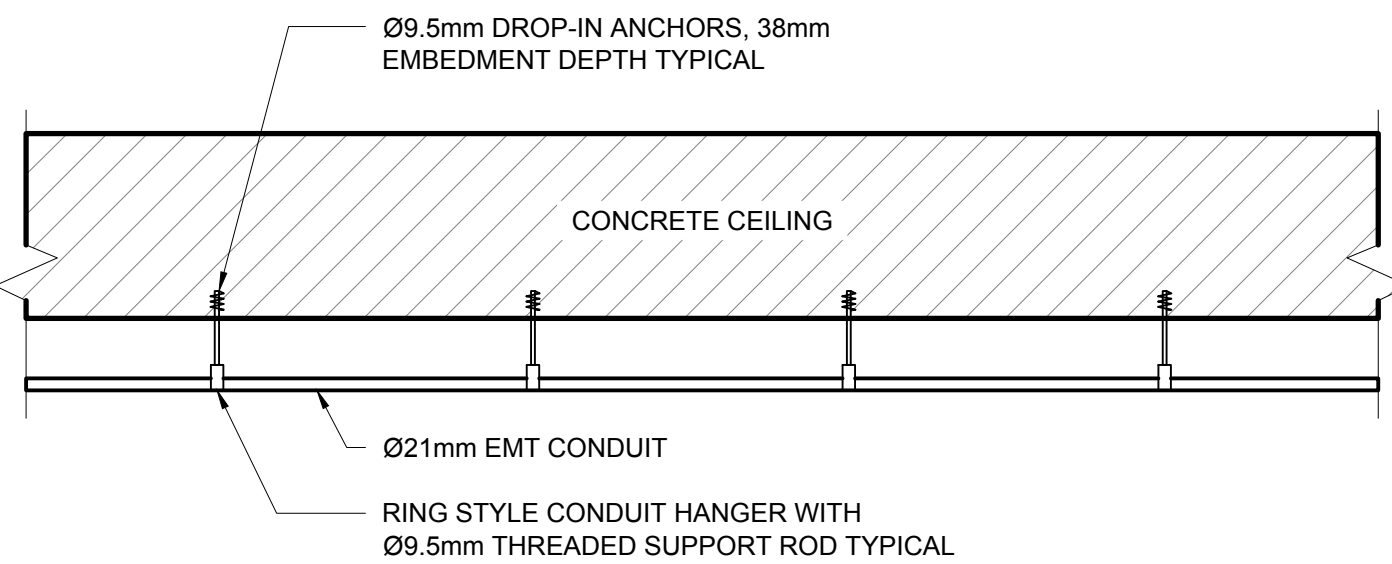
3 DRAINAGE PUMP/PIT
CONTROL PANEL INSTALLATION DETAIL
E101 SCALE: 1:20



NOTE:

- PUMP CONTROLLER SHALL ALTERNATE LEAD/LAG PUMP.
- AUDIBLE AND VISUAL HIGH LEVEL ALARM INTEGRATED IN THE CONTROL PANEL.

4 TYPICAL
PUMP CONTROL SCHEMATIC
E101 SCALE: N.T.S.



5 CEILING SUSPENDED CONDUIT
INSTALLATION DETAIL (TYPICAL)
E101 SCALE: N.T.S.

EQUIPMENT SCHEDULE									
EQUIPMENT		ELECTRICAL CHARACTERISTICS		STARTER DETAILS		CIRCUITRY INFORMATION			COMMENTS
ITEM	DESCRIPTION	HP	FLA	VOLTS/PHASE	TYPE	NEMA SIZE	BREAKER	FEEDER	
P-1A	Sewage Pump	4/10	8.5	120/1	Starters integrated in pump control panels. See specifications.	B-12	2#10+1	Disconnects integrated in pump control panels. See specifications.	Single circuit provided from existing Panel-B to each pump control panel. Single circuit provide from each control panel to each pump.
P-1B	Sewage Pump	4/10	8.5	120/1					
P-2A	Drainage Pump	1/2	12.5	120/1					
P-2B	Drainage Pump	1/2	12.5	120/1		B-13	2#10+1		



Revision	Description	Date
5		
4		
3	ISSUED FOR TENDER (STAMPED)	2018/05/31
2	ISSUED FOR TENDER	2018/03/29
1	99% DESIGN SUBMISSION	2018/02/21
0	50% DESIGN SUBMISSION	2017/11/23

Client client

PUBLIC WORKS & GOVERNMENT SERVICES

100-167 LOMARD AVENUE
WINNIPEG, MB. R3B 0T6

Project Projet

CORRECTIONAL SERVICE CANADA
STONY MOUNTAIN INSTITUTION
STONY MOUNTAIN, MB

NAB STORM DRAINAGE

Designed by Conçu par

MAH

Drawn by Dessiné par

JF

Approved by Approuvé par

RLG

PWGSC Project Manager Administrateur de Projets TPSGC

TIM LODGE

Drawing Title Titre du dessin

BASEMENT PLAN -
ELECTRICAL PLAN

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

R.086418.001

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