

1 BASEMENT PLAN
E101 SCALE: 1:100

| LINE TYPES LEGEND | | |
|-------------------|----------|------------------|
| ITEM | SYMBOL | REMARKS |
| FIRE RATED WALLS | [Symbol] | 1 HOUR, EXISTING |

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

SEWER PUMP/PIT CONSTRUCTION NOTES:

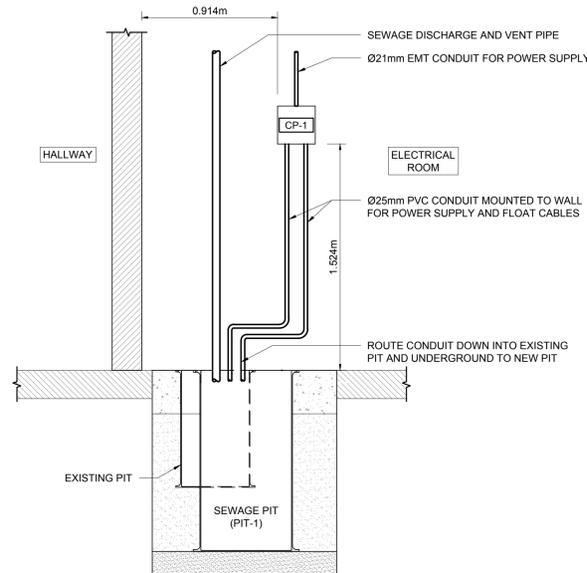
- INSTALL NEW POWER SUPPLY WIRING IN NEW CONDUITS AS SHOWN.
- PUMP CONTROL PANEL, PUMP POWER SUPPLY CABLING, AND FLOAT CABLING TO BE PROVIDED BY MECHANICAL CONTRACTOR WITH PUMP PACKAGE. ELECTRICAL CONTRACTOR TO INSTALL PUMP POWER SUPPLY AND CONTROLS.
- LEAVE EXISTING RECEPTACLE CURRENTLY USED BY EXISTING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

DRAINAGE PUMP/PIT CONSTRUCTION NOTES:

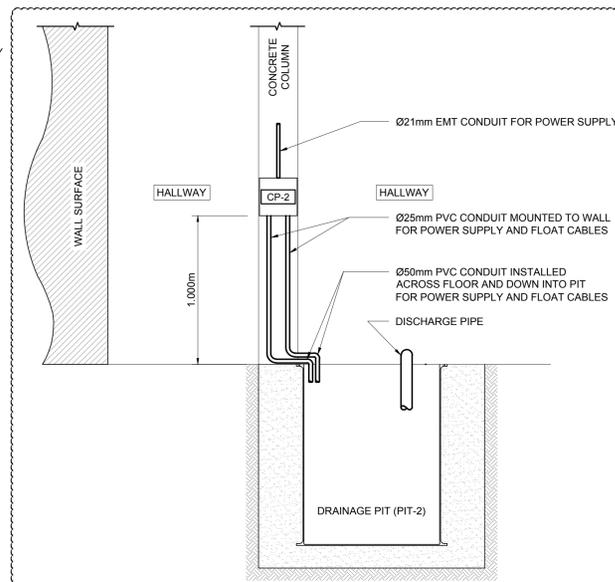
- INSTALL NEW POWER SUPPLY WIRING IN NEW CONDUITS AS SHOWN.
- PUMP CONTROL PANEL, PUMP POWER SUPPLY CABLING, AND FLOAT CABLING TO BE PROVIDED BY MECHANICAL CONTRACTOR WITH PUMP PACKAGE. ELECTRICAL CONTRACTOR TO INSTALL PUMP POWER SUPPLY AND CONTROLS.
- LEAVE EXISTING RECEPTACLE CURRENTLY USED BY EXISTING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

NOTE:

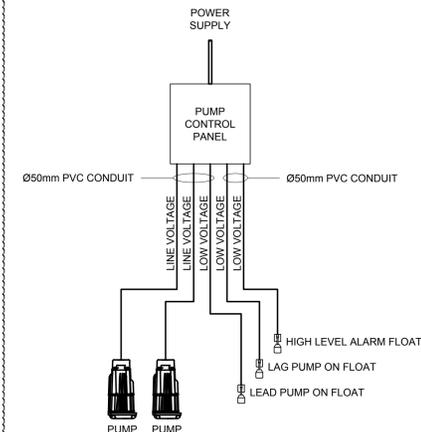
- PANEL INFORMATION:
PANEL B
MANUFACTURER: FEDERAL PIONEER
120/208V 225AMP 3PH 4W
TYPE: NBLP 42B-4L
- BREAKER INFORMATION:
NB SERIES BOLT-ON
MAXIMUM AIR RATING 10KA



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

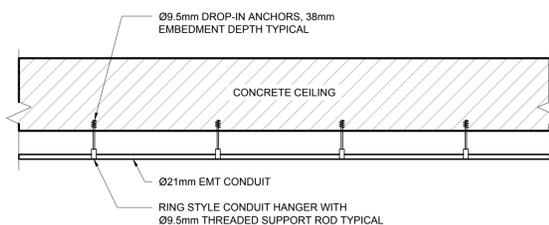


3 DRAINAGE PUMP/PIT CONTROL PANEL INSTALLATION DETAIL
E101 SCALE: 1:20



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

PROVINCE OF MANITOBA
K. A. SUKHOY
Member 34974
REGISTERED PROFESSIONAL ENGINEER

APEGM
Certificate of Authorization
DGH Engineering Ltd.
No. 540 Date: 2018-08-03

| Revision | Description | Date |
|----------|--------------------------------|------------|
| 5 | | |
| 4 | RE-ISSUED FOR TENDER (STAMPED) | 2018/08/07 |
| 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

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Project CORRECTIONAL SERVICE CANADA
STONY MOUNTAIN INSTITUTION
STONY MOUNTAIN, MB

NAB STORM DRAINAGE

Designed by MAH Conçu par

Drawn by JF Dessiné par

Approved by RLG Approuvé par

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.

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