

**GENERAL NOTES:**

1. COORDINATE WITH MANITOBA HYDRO TO ARRANGE FOR A 4160V SERVICE REPLACEMENT. CONFIRM LOCATION OF NEW UTILITY POLE AND ROUTING OF CONDUITS AND CABLING TO THE SERVICE EQUIPMENT.
2. THE EXISTING SERVICE TRANSFORMER AND 600V DISTRIBUTION IS CURRENTLY FED FROM THE HYDRO POLE AT THE NORTH-WEST CORNER OF THE STATION. MANITOBA HYDRO MAY RE-UTILIZE OR REPLACE THIS POLE.
3. MANITOBA HYDRO MAY INSTALL A NEW HYDRO POLE AT AN ALTERNATE LOCATION. A POTENTIAL NEW LOCATION IS NORTH-EAST OF THE STATION. COORDINATE WITH MANITOBA HYDRO TO CONFIRM LOCATION OF NEW POLE.
4. THE RESULTANT INSTALLATION SHALL BE SUITABLE FOR TRANSFER OF OWNERSHIP OF THE PAD-MOUNT DISCONNECT SWITCH AND THE TRANSFORMER FROM THE CITY OF WINNIPEG TO MANITOBA HYDRO. TRANSFER OF OWNERSHIP NOT WITHIN THE SCOPE OF THIS PROJECT.
5. THE COCKBURN STATION IS EQUIPPED WITH BOTH FLOOD PUMPS AND WASTEWATER LIFT PUMPS. THE WASTEWATER LIFT PUMPS AND ASSOCIATED CONTROLS SHALL REMAIN IN OPERATION EXCEPT FOR SHORT DURATION SHUTDOWNS AS REQUIRED TO FACILITATE THE WORK. COORDINATE WITH MANITOBA HYDRO TO OBTAIN A TEMPORARY 600V SERVICE FOR POWERING THE LIFT PUMPS AND CONTROLS.
6. ALL SEWER AND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO LOCATE SERVICES AS REQUIRED.

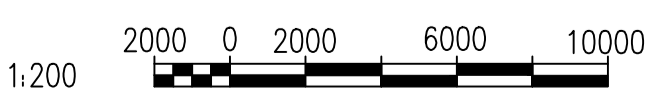
**CONSTRUCTION NOTES:**

- 1 PROVIDE AND INSTALL NEW 5kV PAD-MOUNT FUSIBLE DISCONNECT SWITCH, FDS-A70, COMPLETE WITH 5kV UTILITY METERING COMPARTMENT.
- 2 PROVIDE AND INSTALL NEW 4160:600V PAD-MOUNT SERVICE TRANSFORMER, XFMR-A70.
- 3 PROVIDE AND INSTALL NEW CUSTOMER SERVICE TERMINATION ENCLOSURE, CSTE-A70.
- 4 PROVIDE AND INSTALL NEW PILES AND CONCRETE PAD, COMPLETE WITH CABLE SLEEVES. REFER TO STRUCTURAL DRAWINGS.
- 5 PROVIDE AND INSTALL DIRECT BURIED CABLING BETWEEN THE CSTE AND MCC-A71 IN THE ELECTRICAL ROOM.
- 6 PROVIDE AND INSTALL BOLLARDS AS SHOWN. INSTALLATION TO BE AS PER CITY OF WINNIPEG DRAWING SCD-135.
- 7 PROVIDE AND INSTALL NEW GROUND ELECTRODES. ELECTRODES AND CABLING AS PER DRAWING 1-0127A-E0014.
- 8 PROVIDE AS-BUILT MARKUPS SHOWING THE LOCATIONS OF ALL NEW CABLES AND EQUIPMENT.

**LEGEND:**

- EXISTING
- NEW WORK
- - - NEW WORK, HIDDEN/BURIED

**SITE PLAN**  
SCALE: 1 : 200



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OP. 331-2016	2016/05/06	BJC	DB

**SNC-LAVALIN INC.**  
148 Nature Park Way  
Winnipeg, MB, Canada R3P 0X7  
204-786-8080

DESIGNED BY: B. CLEVEN  
DRAWN BY: M.J. PERSSON  
SCALE: 1:200  
DATE: 2015/11/06

CHECKED BY: D. BECKER  
APPROVED BY: I. PARKINSON  
ISSUED FOR CONSTRUCTION BY: K. ZUREK  
DATE: 2016/05/06

CONSULTANT NO.:

ENGINEER'S SEAL

ORIGINAL DRAWING  
SEALED BY:  
B. CLEVEN  
SNC-LAVALIN  
MEMBER #31479  
2016/05/06  
REV. 00

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

COCKBURN FLOOD AND WASTEWATER PUMPING STATION  
2016 UPGRADES  
ELECTRICAL SITE PLAN

CITY DRAWING NUMBER: 1-0127A-E0003  
SHEET: 001  
REV: 00  
SIZE: A1

1-0127A-E0014	SERVICE EQUIPMENT INSTALLATION DETAILS
1-0127A-E0002	ELECTRICAL SINGLE LINE
DRAWING NUMBER	REFERENCE DRAWINGS