



- CONSTRUCTION NOTES:**
- 1 PROVIDE AND INSTALL NEW 5KV SERVICE ENTRANCE RATED FUSIBLE DISCONNECT SWITCH.
 - 2 PROVIDE AND INSTALL NEW 5KV METERING COMPARTMENT. METER AND METERING TRANSFORMERS SUPPLIED BY MANITOBA HYDRO.
 - 3 PROVIDE AND INSTALL NEW OIL FILLED, PADMOUNT TRANSFORMER. TAP DOWN TO 585V NOMINAL SECONDARY DUE TO 550V MOTOR LOADS.
 - 4 PROVIDE AND INSTALL NEW CUSTOMER SERVICE TERMINATION ENCLOSURE, COMPLETE WITH UTILITY METERING COMPARTMENT.
 - 5 PROVIDE AND INSTALL NEW MOTOR CONTROL CENTRE.
 - 6 PROVIDE AND INSTALL NEW TEMPORARY GENERATOR CONNECTION ENCLOSURE.
 - 7 PROVIDE AND INSTALL NEW 600:120/208V TRANSFORMER.
 - 8 PROVIDE AND INSTALL NEW 120/208V PANELBOARD.
 - 9 RE-CONNECT TO EXISTING LOAD.
 - 10 PROVIDE AND INSTALL 5/8 kv CABLE (133% INSULATION) IN 78mm (3") RIGID ALUMINUM CONDUIT.

BREAKER PROTECTION SETTINGS

CIRCUIT BREAKER	MODEL	FRAME	SENSOR/TRIP UNIT	LTPU (Ir)	LTD (tr)	STPU (Isd)	STD (tsd)	INST (It)
CSTE-A70.MCB								
MCC-A71.MCB								
CB-A71-T								
CB-A72								
CB-F01								
CB-F02								
CB-F03								

NOTE: PROTECTION SETTINGS TO BE SUPPLIED BY THE CONTRACT ADMINISTRATOR ONCE THE NEW UTILITY SERVICE INFORMATION IS OBTAINED.

- LEGEND:**
- EXISTING
 - NEW WORK
 - FUTURE
 - HAZARD/RISK CATEGORY
 - KIRK KEY INTERLOCK
 - REMOTE TERMINAL UNIT



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	CHECKED BY: D. BECKER
DRAWN BY: Y. KONIG	APPROVED BY: I. PARKINSON
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: K. ZUREK
DATE: 2016/01/08	DATE: 2016/05/06
CONSULTANT NO.:	

ENGINEER'S SEAL

ORIGINAL DRAWING
 SEALED BY:
 B. CLEVEN
 SNC-LAVALIN
 MEMBER #31479
 2016/05/09
 REV. 00

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

COCKBURN FLOOD AND WASTEWATER PUMPING STATION
 2016 UPGRADES
 ELECTRICAL SINGLE LINE DIAGRAM

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0127A-E0002	001	00	A1