

CONSTRUCTION NOTES:

- ① PROVIDE NEW ESSENTIAL MCC, MCC-C730E.
- ② DISCONNECT THE OUTPUT OF ATS-M2E TO MCC-E. CONNECT THE OUTPUT OF ATS-M2E TO THE PRIMARY MOLDED CASE SWITCH OF MCC-M730E.
- ③ PROVIDE NEW TEMPORARY 3C, 250MCM, TECK90 CABLE TO FEED MCC-E FROM MCC-M730E.
- ④ MOVE ESSENTIAL LOADS FROM EXISTING MCC-E TO MCC-M730E. REFER TO DWG. 1-0640M-E0036 FOR DETAILS.
- ⑤ DISCONNECT BREAKER CB-LTI AND TEMPORARILY FEED NON-ESSENTIAL MCC-A DIRECTLY FROM TRANSFORMER T1 WITH EXISTING FEEDER CABLE. DISCONNECT BREAKER CB-LTT AND FEED THE NORMAL INPUT OF ATS-M2E DIRECTLY FROM TRANSFORMER T2.
- ⑥ PROVIDE NEW GENERATOR MCC, MCC-G766 IN GENERATOR ROOM AND PROVIDE NEW CONNECTION TO MCC-M730E. REFER TO DWG. 1-0640B-E0008.
- ⑦ DEMOLISH SPLITTER SPL-B2E AND SPL-B3E. REFER TO DWG. 1-0640B-E0001. PROVIDE TEMPORARY POWER FOR HEAT IF WORK IS DONE IN WINTER.
- ⑧ RE-FEED XFMR-B40E TO MCC-G766.
- ⑨ DEMOLISH MCC-C1, XFMR-C10, PNL-C10, XFMR-C11 AND PNL-C11. REFER TO 1-0640C-E0001.
- ⑩ DEMOLISH PNL-C21 AND FEEDER CABLE/CONDUIT. PANEL IS FED FROM PANEL LP-B. REFER TO 1-0640C-E0001.

- ⑪ PROVIDE NEW MCC-C720E IN CHLORINE GALLERY STAIRWELL AND TRANSFER LOADS. REFER TO DWG. 1-0640M-E0034.
- ⑫ PROVIDE NEW XFMR-C731E, PNL-C713E AND PROVIDE NEW CONNECTION TO MCC-C720E. INSTALL XFMR-C711 AND PNL-C711 AND PROVIDE NEW CONNECTION TO MCC-C710.
- ⑬ PROVIDE NEW MCC-C710 IN CHLORINE GALLERY STAIRWAY.
- ⑭ TEMPORARILY FEED MCC-C710 FROM MCC-A. ENSURE LENGTH OF CABLE IS SUFFICIENT TO EVENTUALLY BE FED FROM MCC-M720. ENGAGE KIRK KEY IN ORDER TO CLOSE BREAKER.
- ⑮ TEMPORARILY FEED PANEL B FROM MCC-M730E. RE-USE EXISTING CABLE.
- ⑯ PROVIDE UPS-Y712, PNL-Y712U AND PROVIDE CONNECTION TO PANEL A. REFER TO DWG. 1-0640Y-E0001.

GENERAL NOTES:

- 1. NOT ALL LOADS ARE SHOWN.
- 2. CONTRACTOR SHALL INSTALL NEW CABLING AS MUCH AS POSSIBLE PRIOR TO SHUTDOWN.

LEGEND:

— EXISTING
 — NEW WORK

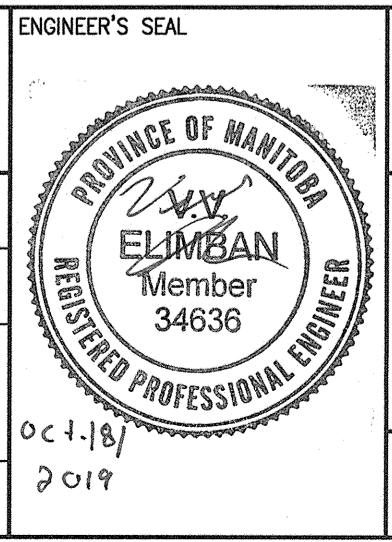
DRAWING NUMBER	REFERENCE DRAWINGS
1-0640M-E0036	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M730E
1-0640M-E0034	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M720
1-0640M-E0032	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M710
1-0640C-E0003	ELECTRICAL SINGLE LINE DIAGRAM, MCC-C710/MCC-C720E
1-0640C-E0001	ELECTRICAL SINGLE LINE DIAGRAM, CHLORINE BUILDING
1-0640B-E0008	ELECTRICAL EQUIPMENT PLAN, GEN. ROOM & LDB-G767
1-0640B-E0001	ELECTRICAL SINGLE LINE DIAGRAM, COLLECTION BUILDING



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18	VE	KS

SNC-LAVALIN INC.
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 ISSUED FOR CONSTRUCTION BY: A. WEISS
 DATE: 2019/05/28
 DATE: 2019/10/18
 CONSULTANT NO.:



THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION
 ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT
 CONSTRUCTION PLAN
 PHASE 1

CITY DRAWING NUMBER: 1-0640M-E0046
 SHEET: 001
 REV: 00
 SIZE: A1