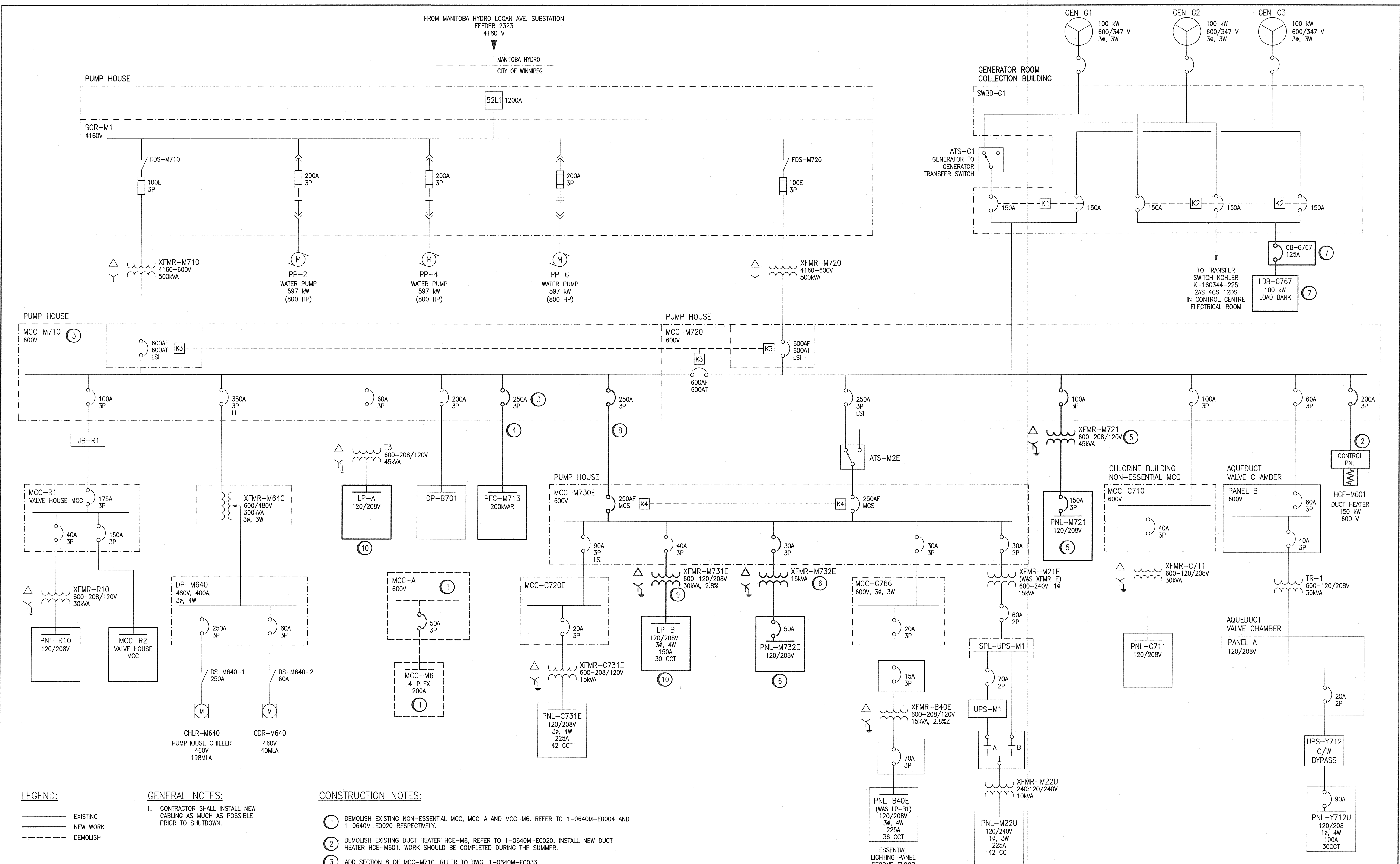


A1 SIZE - 594mm x 841mm

LAST SAVE: 2019/11/06 - 12:02pm
PATH: M:\661472\ENGL\7ELE\DD - 0640M-E0048-001-00.dwg
General DWG\01_McPhillips\1-0640M-E0048-001-00.dwg



LEGEND:

- EXISTING
- NEW WORK
- - - - - DEMOLISH

GENERAL NOTES:

1. CONTRACTOR SHALL INSTALL NEW CABLING AS MUCH AS POSSIBLE PRIOR TO SHUTDOWN.

- CONSTRUCTION NOTES:**
- ① DEMOLISH EXISTING NON-ESSENTIAL MCC, MCC-A AND MCC-M6. REFER TO 1-0640M-E0004 AND 1-0640M-E0020 RESPECTIVELY.
 - ② DEMOLISH EXISTING DUCT HEATER HCE-M6, REFER TO 1-0640M-E0020. INSTALL NEW DUCT HEATER HCE-M601. WORK SHOULD BE COMPLETED DURING THE SUMMER.
 - ③ ADD SECTION 8 OF MCC-M710. REFER TO DWG. 1-0640M-E0033.
 - ④ PROVIDE POWER FACTOR CORRECTION UNIT, PFC-M713. PROVIDE NEW CONNECTION TO MCC-M710.
 - ⑤ PROVIDE AND CONNECT XFMR-M721 AND PNL-M721 TO MCC-M720.
 - ⑥ PROVIDE AND CONNECT XFMR-M732E AND PNL-M732E TO MCC-M730E.
 - ⑦ PROVIDE LOAD BANK, LDB-G767 AND FEEDER BREAKER, CB-G767. CONNECT TO SWBD-G1.
 - ⑧ CONNECT OUTPUT OF MCC-M710 BACK-UP BREAKER FEED TO BACKUP INPUT OF MCC-M730E.
 - ⑨ DEMOLISH EXISTING TRANSFORMER T4, REFER 1-0640M-E0004. AND INSTALL TRANSFORMER XFMR-M731E TO FEED PANEL LP-B.
 - ⑩ PROVIDE AND REPLACE PANELS LP-A AND LP-B INTERIORS.



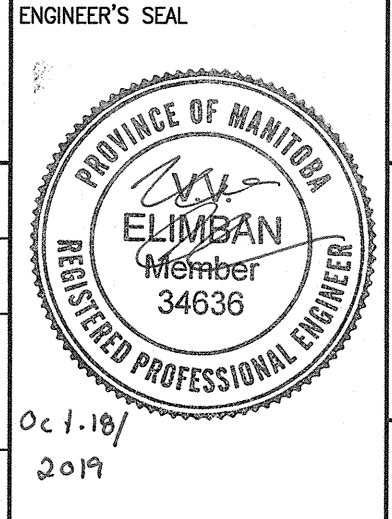
1-0640M-E0036	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M730E
1-0640M-E0034	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M720
1-0640M-E0033	ELECTRICAL PANEL LAYOUT, MCC-M710 LAYOUT AND SCHEDULE
1-0640M-E0032	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M710
1-0640M-E0020	ELECTRICAL SINGLE LINE DIAGRAM, MISCELLANEOUS DISTRIBUTION
1-0640M-E0004	ELECTRICAL SINGLE LINE DIAGRAM, 600V DISTRIBUTION
1-0640C-E0001	ELECTRICAL SINGLE LINE DIAGRAM, CHLORINE BUILDING
1-0640B-E0001	ELECTRICAL SINGLE LINE DIAGRAM, COLLECTION BUILDING

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

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

DESIGNED BY: V. ELIMBAN
CHECKED BY: K. SAPIAK
DRAWN BY: J. GRAGASIN
APPROVED BY: D. BECKER
SCALE: NTS
ISSUED FOR CONSTRUCTION BY: A. WEISS
DATE: 2019/06/03
DATE: 2019/10/18



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION
ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT
CONSTRUCTION PLAN
PHASE 3

CITY DRAWING NUMBER: 1-0640M-E0048
SHEET: 001
REV.: 00
SIZE: A1