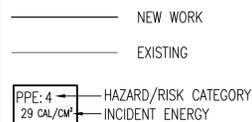


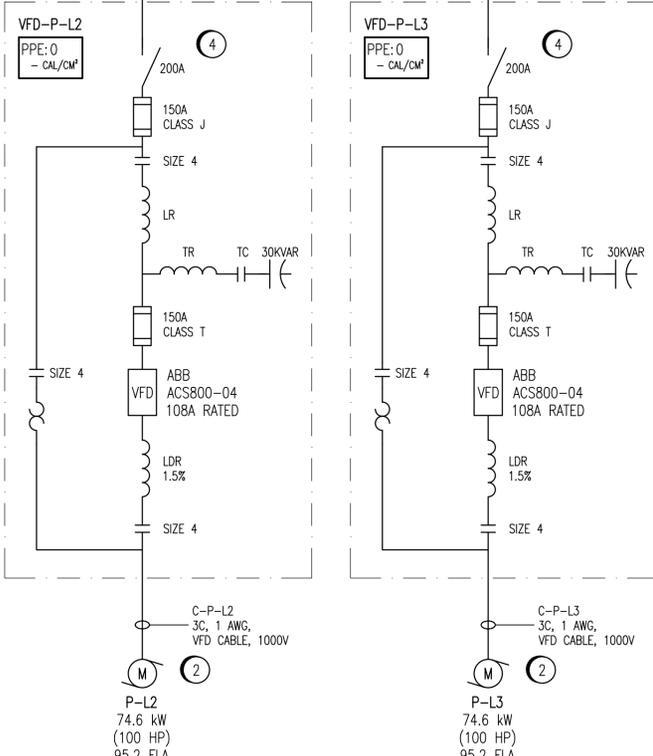
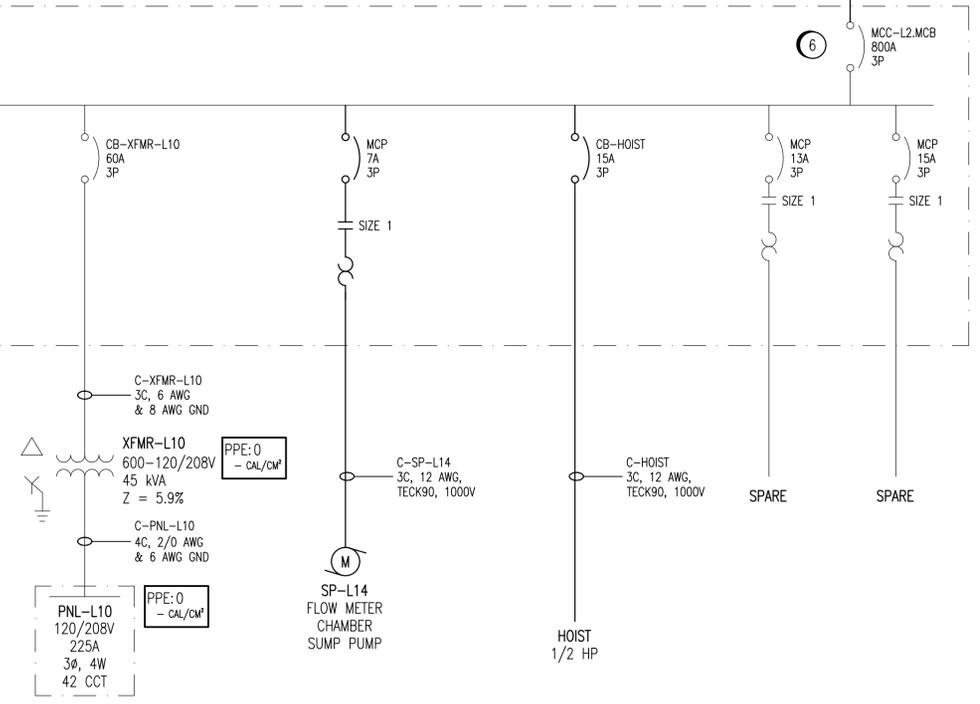
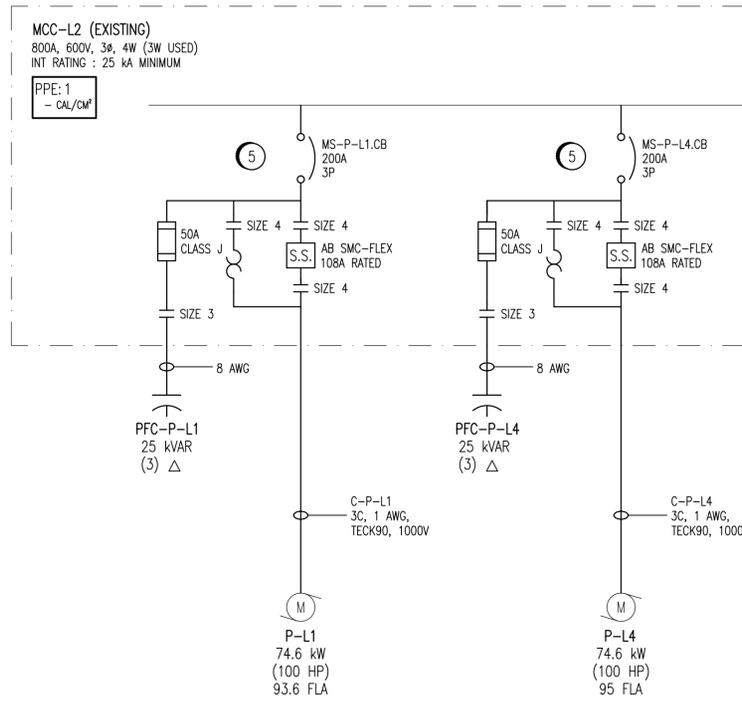
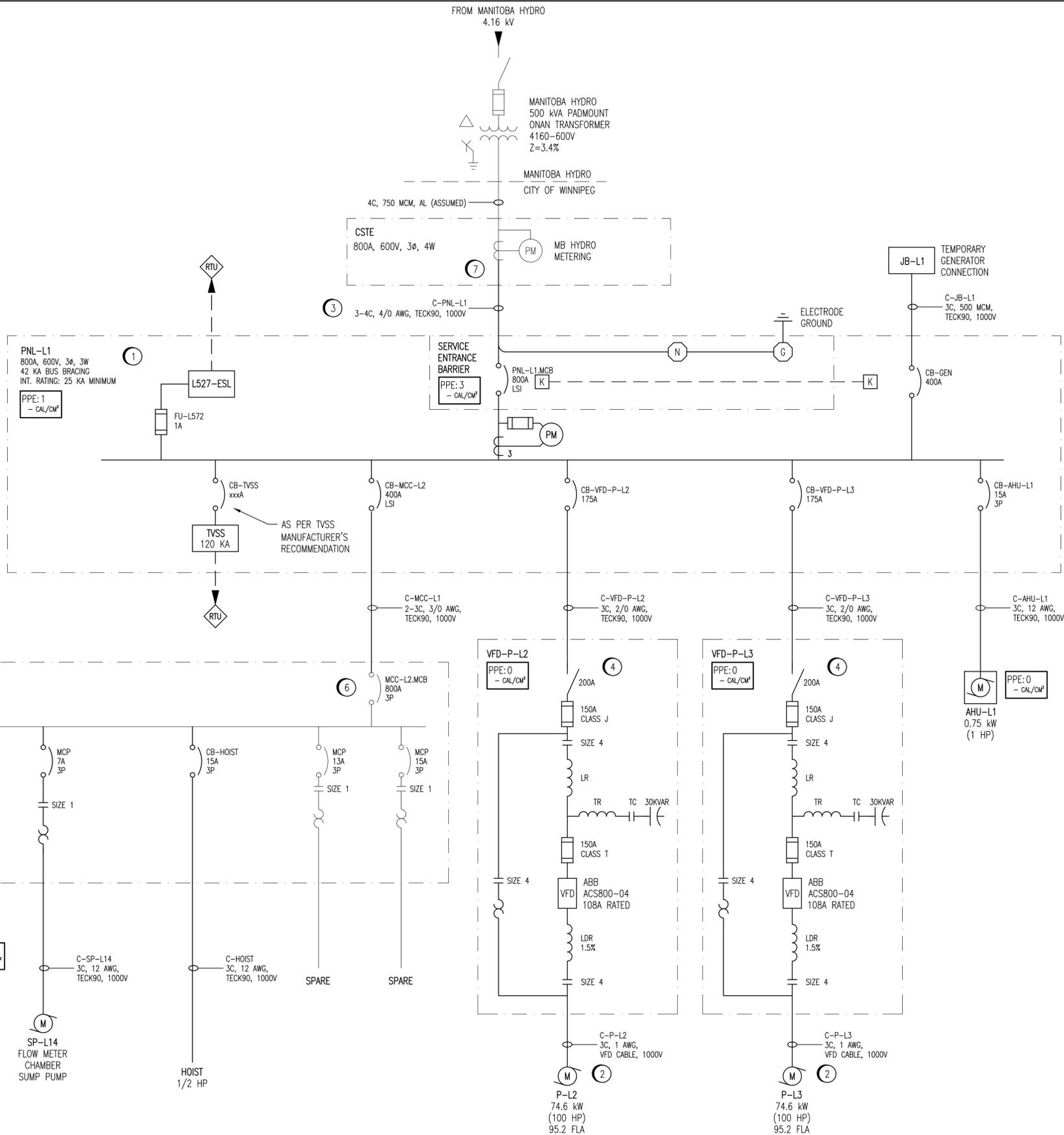
INSTALLATION NOTES:

- 1 INSTALL NEW 600V DISTRIBUTION PANEL.
- 2 INSTALL NEW CITY-SUPPLIED 100HP SANITARY LIFT PUMP MOTORS.
- 3 INSTALL NEW BURIED FEED FROM CSTE TO PNL-L1.
- 4 INSTALL NEW 100 HP VFD WITH BYPASS STARTER.
- 5 INSTALL NEW 100 HP SOFT STARTERS WITHIN EXISTING MCC-L2.
- 6 REPLACE LUGS FOR NEW CONDUCTORS.
- 7 MODIFY CSTE AS REQUIRED TO CONNECT THE NEW CABLES.

LEGEND:



ARC FLASH VALUES ARE PRELIMINARY AND WILL BE FINALIZED DURING CONSTRUCTION



DRAWING NUMBER	REFERENCE DRAWINGS
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APECM
 Certificate of Authorization
 SNC-Lavalin Inc.
 No. 4489

00	ISSUED FOR TENDER, BID OPP: 907-2011	2012/02/09	BC	CJR
NO.	REVISIONS	DATE	DESIGN	CHECK

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

DESIGNED BY: B. CLEVEN
 CHECKED BY: C. REIMER
 DRAWN BY: S. FUNK
 APPROVED BY: C. REIMER
 SCALE: NTS
 RELEASED FOR CONSTRUCTION BY: K. R. ZUREK
 DATE: 2011/10/05
 DATE: 2012/02/23
 CONSULTANT NO.: 508042-0000-47DD-0002

ENGINEER'S SEAL
 ORIGINAL DRAWING
 SEALED BY:
 C. J. REIMER
 SNC-LAVALIN
 MEMBER #21968
 2012/02/23
 REV. 00

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

Winnipeg

MONTCALM WASTEWATER PUMPING STATION
 2011 UPGRADES
 ELECTRICAL SINGLE LINE DIAGRAM

CITY DRAWING NUMBER: 1-0164L-E0002
 SHEET: 001
 REV: 00
 SIZE: A1