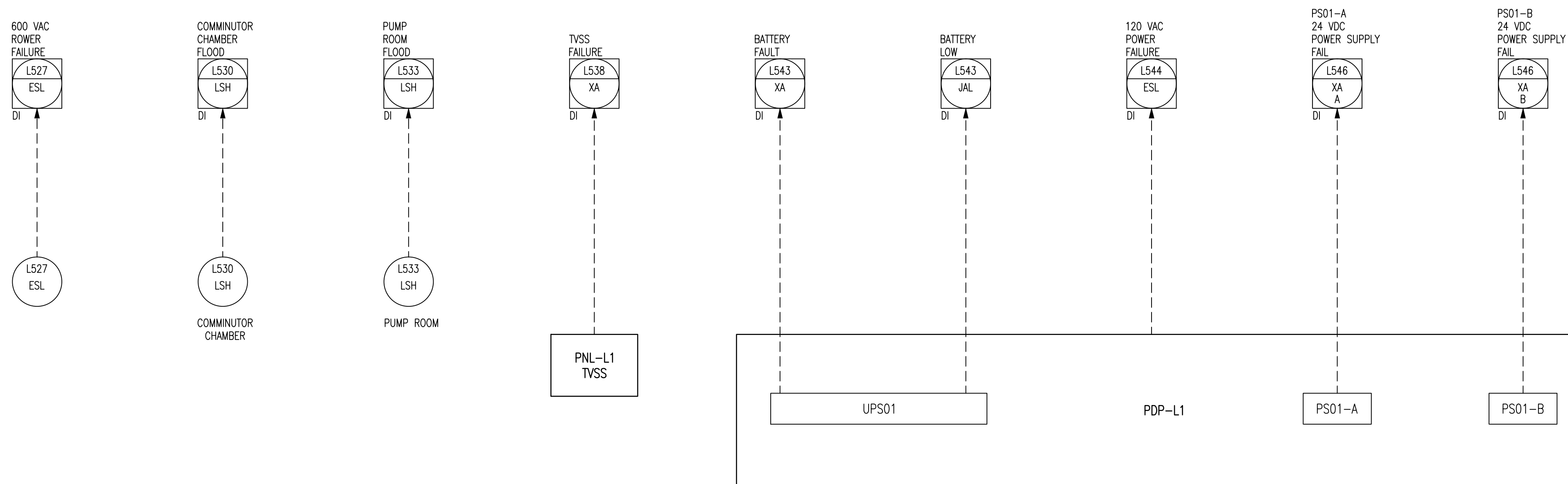


LEGEND:

- DEVICE DESCRIPTORS:
- AI ANALOG INPUT
 - AO ANALOG OUTPUT
 - DI DISCRETE INPUT
 - DO DISCRETE OUTPUT
 - M/O/A MANUAL/OFF/AUTO
- FUNCTIONAL IDENTIFIERS:
- FIT FLOW INDICATING TRANSMITTER
 - FT FLOW TRANSMITTER
 - HS HAND SWITCH
 - IA CURRENT ALARM
 - IT CURRENT TRANSMITTER
 - LH LEVEL HIGH
 - LIT LEVEL INDICATING TRANSMITTER
 - LSH LEVEL SWITCH HIGH
 - LT LEVEL TRANSMITTER
 - MM MOTOR RUNNING
 - MN MOTOR START
 - SC SPEED COMMAND
 - ST SPEED TRANSMITTER
 - UA FAULT
 - UL STARTER READY
 - YC BYPASS COMMAND
 - YL BYPASS MODE



NOTES:

1. ALL INSTRUMENTS SHOWN IN AN AUXILIARY LOCATION ARE IN THE CORRESPONDING VFD / MOTOR STARTER PANEL.
2. THE FACILITY PREFIX FOR ALL INSTRUMENT IDENTIFIERS IS "MON".



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 907-2011	2011/11/04	BC	CJR

SNC-LAVALIN INC.
 148 Nature Park Way
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DESIGNED BY: B. CLEVEN / V. ELIMBAN
 DRAWN BY: M.J. PERSSON
 SCALE: NTS
 DATE: 2011/10/18

CHECKED BY: C. REIMER
 APPROVED BY: C. REIMER
 RELEASED FOR CONSTRUCTION BY: K. R. ZUREK
 DATE: 2012/02/23

CONSULTANT NO.: 508042-0000-49DD-0007

ENGINEER'S SEAL

ORIGINAL DRAWING
 SEALED BY:
 C. J. REIMER
 SNC-LAVALIN
 MEMBER # 21968
 2011/11/07
 REV. 00

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

MONTCALM WASTEWATER PUMPING STATION
 2011 UPGRADES
 PROCESS & INSTRUMENTATION DIAGRAM
 MISCELLANEOUS

CITY DRAWING NUMBER: 1-0164L-P0007

SHEET	REV.	SIZE
001	00	A1