



**LEGEND:**

<b>DEVICE DESCRIPTORS:</b>	
AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DISCRETE INPUT
DO	DISCRETE OUTPUT
M/O/A	MANUAL/OFF/AUTO
<b>FUNCTIONAL IDENTIFIERS:</b>	
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:**

- ALL INSTRUMENTS SHOWN IN AN AUXILIARY LOCATION ARE IN THE CORRESPONDING VFD / MOTOR STARTER PANEL.
- 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

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SCALE: NTS	RELEASED FOR CONSTRUCTION BY: K. R. ZUREK
DATE: 2011/09/22	DATE: 2012/02/23
CONSULTANT NO.: 508042-0000-49DD-0002	

ENGINEER'S SEAL

ORIGINAL DRAWING  
 SEALED BY:  
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 2012/02/23  
 REV. 00

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

MONTCALM WASTEWATER PUMPING STATION  
 2011 UPGRADES  
 PROCESS & INSTRUMENTATION DIAGRAM  
 PUMPS P-L1 AND P-L2

CITY DRAWING NUMBER: 1-0164L-P0002

SHEET	REV.	SIZE
001	00	A1