

LEGEND:

- INTERNAL WIRING
- - - FIELD (EXTERNAL) WIRING
- △ MCC TERMINAL
- PUMP LOCAL CONTROL PANEL
- ⊠ MAIN CONTROL PANEL
- ⊞ SOFT START DEVICE TERMINAL
- ⊞ TRANSIENT VOLTAGE SUPPRESSOR
- ETM ELAPSED TIME METER
- A AMMETER

- SPECIFIC NOTES:**
- ① RE-USE EXISTING EMERGENCY STOP SWITCH EMSTOP IN LCP-1. REFER TO DWG. 1-0660M-A0006 FOR WIRING CONNECTION DETAILS.
 - ② RELAY FOR COMP, FLOOD AND HIGH TEMP CONTACTS ARE LOCATED IN LCP-1 PANEL.
 - ③ RELAY FOR REMOTE RUN COMMAND IS LOCATED IN MAIN CONTROL PANEL.
 - ④ MONITORING AND ADDITIONAL STATUS SIGNALS ARE AVAILABLE FOR FUTURE CONNECTION TO MAIN CONTROL PANEL.

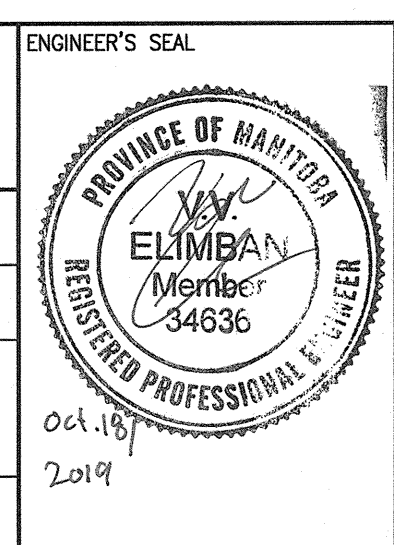
- NOTES:**
1. COMPLETE ASSEMBLY TO HAVE A SHORT CIRCUIT CURRENT RATING OF 25KA OR HIGHER.
 2. GROUP AND SPACE 120VAC, 24VDC AND 4-20mA TERMINALS AND WIRING SEPARATELY.
 3. COLOUR CODE WIRING AS FOLLOWS:

POWER - 120VAC SUPPLY	BLACK
POWER - 120VAC NEUTRAL	WHITE
POWER - 24VDC SUPPLY (+)	BLUE
POWER - 24VDC COMMON (-, OR OVD)	BROWN
DISCRETE CONTROL - AC	RED
DISCRETE CONTROL - DC	GREEN
GROUND	GREEN
 4. HOA SELECTOR SWITCH HS-PP-1-2 WIRED TO CONTROL BOTH PUMP PP-1 AND DISCHARGE VALVE DV-1.



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

SNC-LAVALIN		SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080	
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SCALE: NTS	ISSUED FOR CONSTRUCTION BY: A. WEISS	DATE: 2019/01/28	DATE: 2019/10/18
CONSULTANT NO.:			



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

TACHE BOOSTER PUMPING STATION

MOTOR STARTER SCHEMATIC
PUMP PP-1

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0660M-E0020	001	00	A1

1-0660M-E0020-002	CONNECTION DIAGRAM, PUMP PP-1
1-0660M-E0007	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M710
DRAWING NUMBER	REFERENCE DRAWINGS