



**MECHANICAL ROOM - POWER PLAN**  
SCALE: 1:100

**DRAWING NOTES**

- ① WIRE AND CONNECT NEW MAKE-UP AIR UNIT FANS S750-EF AND S750-SF AND ASSOCIATED VFD'S TO MCC-1S AND MCC-2S.
- ② PROVIDE TWO DISCONNECT SWITCHES, ONE EACH FOR GLYCOL PUMP S770 AND FOR S775. WIRE AND CONNECT PUMPS AND ASSOCIATED CONTROLS TO MCC-1S AND MCC-2S.
- ③ WIRE AND CONNECT NEW CLARIFIER MECHANISM MOTOR S530 AND ASSOCIATED CONTROLS TO MCC-1S.
- ④ WIRE AND CONNECT SUPPLY FAN S780 AND ASSOCIATED CONTROLS TO NEW PANEL SB IN THE ELECTRICAL ROOM.
- ⑤ THERMOSTAT AND CONTROLLER FOR FAN S780 PROVIDED BY DIV. 15.
- ⑥ 3/C#12 TECK TO MCC-1S.
- ⑦ CONDUCTORS TO MCC-1S (S770-GP) AND MCC-2S (S775-GP).
- ⑧ NEW PANEL SB IN ELECTRICAL ROOM WITH 30kVA XFMR-SB MOUNTED ABOVE.
- ⑨ REFER TO MOTOR CONTROL SCHEDULE FOR INFORMATION POWER CABLES STARTERS AND REQUIRED CONTROLS.

**GENERAL NOTES**

1. COORDINATE WITH OTHER TRADES TO PREVENT CONFLICTS.
2. USE PVC JACKETED HITECK CABLE FOR ALL POWER WIRING.
3. WIRING FOR LIGHTING, RECEPTACLES AND COMMUNICATIONS TO IN RIGID ALUMINUM CONDUIT.
4. ALL CONDUIT TO BE 21mm# MINIMUM UNLESS OTHERWISE NOTED.



B.M. ELEV.			
DESIGNED BY	GSN	CHECKED BY	PS
DRAWN BY	ERC	APPROVED BY	JEH
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX
VERTICAL SCALE:			
00 ISSUED FOR TENDER	06/04/26	ERC	
NO. REVISIONS	DATE	BY	DATE
			2005/12/19
			2006/04/26

**EarthTech**  
A Tyco International Ltd. Company

ENGINEER'S SEAL  
ORIGINAL SIGNED BY  
**P. STRYK**  
2006/04/26

CONSULTANT DRAWING NO.  
**SE3.03**

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

WINPCC  
**BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT 3**

ELECTRICAL  
**AREA 5 - SECONDARY CLARIFIER 3**  
UPPER LEVEL POWER PLAN

CITY FILE NUMBER  
SHEET OF  
CITY DRAWING NUMBER