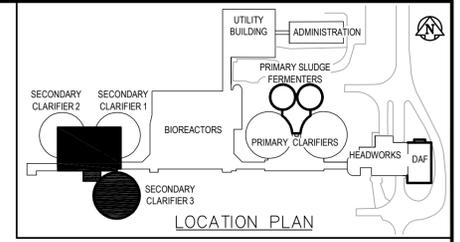


**LOWER LEVEL – POWER PLAN**  
SCALE: 1:100



**DRAWING NOTES**

- ① DISCONNECT EXISTING RAS PUMPS S710, S720 AND S730 AND MAKE READY FOR REMOVAL. WIRE AND CONNECT NEW UNITS AND ASSOCIATED VFD'S. REFER TO DEMOLITION DRAWING SP0.02. RE-USE EXISTING POWER CABLE FROM MOTORS TO EXISTING VFD'S LOCATED IN SECONDARY CLARIFIER ELECTRICAL ROOM. CONTROL WIRING TO REMAIN.
- ② DISCONNECT EXISTING WAS PUMPS S810 AND S820 AND ASSOCIATED CONTROLS AND MAKE READY FOR REMOVAL. REFER TO DEMOLITION DRAWING SP0.02. REMOVE POWER AND CONTROL CABLE TO MCC-1S AND MCC-2S.
- ③ DISCONNECT EXISTING MOTORS ON CLARIFIER MECHANISMS S510 AND S520 AND MAKE READY FOR REMOVAL. WIRE AND CONNECT NEW UNITS AND ASSOCIATED CONTROLS. REFER TO DEMOLITION DRAWING SP0.02.
- ④ DISCONNECT EXISTING FLUSHING WATER PUMP S230 AND MAKE READY FOR REMOVAL. WIRE AND CONNECT NEW UNIT AND ASSOCIATED CONTROLS. REFER TO DEMOLITION DRAWING SP0.02. REMOVE EXISTING POWER CABLES FROM MOTOR S230-FWP TO MCC-1S AND MAGNETIC STARTER. PROVIDE POWER WIRING FROM MOTOR TO CONTROLS AND TO NEW VFD IN SECONDARY CLARIFIER ELECTRICAL ROOM.
- ⑤ WIRE AND CONNECT NEW RAS PUMPS S740 AND S750 AND ASSOCIATED VFD'S (IN EXISTING ELECTRICAL ROOM) TO MCC-1S AND MCC-2S.
- ⑥ DISCONNECT EXISTING WAS PUMPS S850 AND S860 AND ASSOCIATED CONTROLS AND MAKE READY FOR REMOVAL. REMOVE POWER AND CONTROL CABLE TO MCC-1S AND MCC-2S. REFER TO DEMOLITION DRAWING SP0.02.
- ⑦ EXISTING POWER CABLETRAY.
- ⑧ EXISTING CONTROL CABLETRAY.
- ⑨ REFER TO MOTOR CONTROL SCHEDULE FOR INFORMATION ON 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 RGD ALUMINUM CONDUIT.
4. ALL CONDUIT TO BE 21mmØ MINIMUM UNLESS OTHERWISE NOTED.



B.M. ELEV.		 A Tyco International Ltd. Company		ENGINEER'S SEAL	
				ORIGINAL SIGNED BY P. STRYK 2006/04/26	
DESIGNED BY	GSN	CHECKED BY	PS	CONSULTANT DRAWING NO. SE3.02	
DRAWN BY	ERC	APPROVED BY	JEH		
HOR. SCALE: AS NOTED		RELEASED FOR CONSTRUCTION BY: J. VEILLEUX		CITY FILE NUMBER	
VERTICAL SCALE:					
NO.	REVISIONS	DATE	BY	DATE	2005/12/19
02	ISSUED FOR CONSTRUCTION	06/09/22	SRP	DATE	2006/04/26
01	21-2006 ADDENDUM 3	06/05/19	ERC		
00	ISSUED FOR TENDER	06/04/26	ERC		

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

WEWPC  
 BIOLOGICAL NUTRIENT REMOVAL UPGRADE  
 CONTRACT 3

ELECTRICAL  
 AREA S – SECONDARY CLARIFIERS  
 PUMP ROOM POWER PLAN

CITY DRAWING NUMBER