



**BIOREACTOR 1 – ROOF POWER PLAN**  
SCALE: 1:100

**DRAWING NOTES**

- 1 PROVIDE COVERED CABLE TRAY ON ROOF OF BIOREACTORS 1 & 2 TO ALLOW FOR INSTALLATION OF MIXER POWER AND CONTROL CABLES AND RECEPTACLE POWER CABLES. TRAY TO BE EXTENDED TO NEW BIOREACTOR ELECTRICAL ROOM MCC-1SB AND MCC-2SB. REFER TO MOTOR CONTROL SCHEDULE FOR POWER CABLE SIZES.
- 2 CONDUCTOR TO MCC-2SB IN BIOREACTOR ELECTRICAL ROOM. REFER TO MOTOR CONTROL SCHEDULE FOR POWER CABLE SIZES.
- 3 CONDUCTOR FROM PUMP S770-P TO VFD S770-P-VFD IN WALKWAY. REFER TO MOTOR CONTROL SCHEDULE FOR POWER CABLE SIZES.
- 4 WELDING RECEPTACLE – WEATHERPROOF, 60A, 600V. MCC-2SB

**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.				ENGINEER'S SEAL		
				ORIGINAL SIGNED BY P. STRYK 2006/04/26		
DESIGNED BY	GSN	CHECKED BY	PS	CONSULTANT DRAWING NO. SE1.02		
DRAWN BY	ERC	APPROVED BY	JEH			
HOR. SCALE: NTS		RELEASED FOR CONSTRUCTION BY: J. VEILLEUX		CITY FILE NUMBER		
VERTICAL SCALE:		DATE 2005/11/22				SHEET OF
NO.	REVISIONS	DATE	BY	DATE	2006/04/26	CITY DRAWING NUMBER

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

**WEWPC**  
BIOLOGICAL NUTRIENT REMOVAL UPGRADE  
CONTRACT 3

ELECTRICAL  
AREA S – BIOREACTOR 1  
POWER PLAN