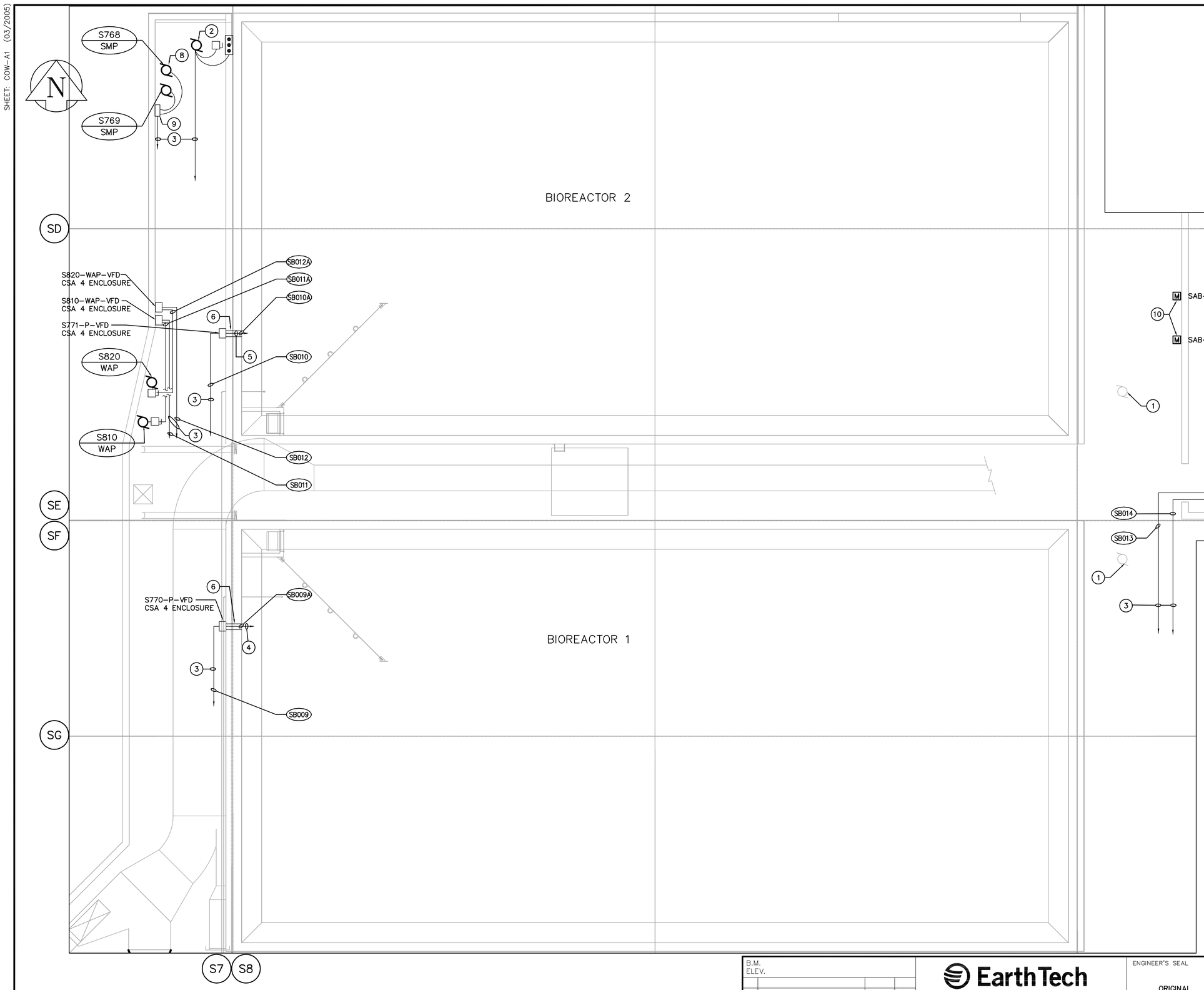
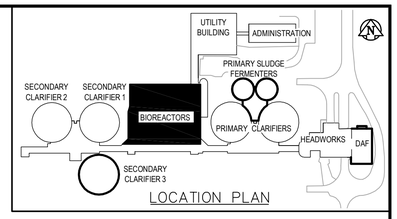
SHEET: COW-A1 (03/2005)





LOCATION PLAN

BIOREACTORS 1 & 2 – LOWER LEVEL POWER PLAN

SCALE: 1:100

DRAWING NOTES

1. DISCONNECT EXISTING EXHAUST FAN MOTORS S-638 AND S-639 AND MAKE READY FOR REMOVAL. REMOVE EXISTING CABLES.
2. OVERHEAD DOOR OPENER AND CONTROL PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. CONNECTED BY ELECTRICAL CONTRACTOR.
3. CABLES INSTALLED IN WALKWAY TO BIOREACTOR ELECTRICAL ROOM. REFER TO MOTOR CONTROL SCHEDULE FOR POWER CABLE SIZES.
4. CONDUCTOR FROM S770-P-VFD TO PUMP S770-P CONTROLS ON ROOF OF BIOREACTOR.
5. CONDUCTOR FROM S771-P-VFD TO PUMP S771-P CONTROLS ON ROOF OF BIOREACTOR.
6. INSTALL CORED OPENING NEAR TOP OF TANK (ABOVE HIGH LEVEL) TO ALLOW FOR WATERPROOF SEAL FOR CABLE FROM VFD TO DISCONNECT ON TANK ROOF ADJACENT TO ACCESS HATCH. PROVIDE ROXTEC RS WEATHER TIGHT SEALS SIZED TO SUIT CABLES.
7. PROVIDE CONNECTIONS TO NEW EXHAUST FAN MOTORS S638 AND S639, VFD'S AND MCC-1SB AND MCC-2SB IN BIOREACTOR ELECTRICAL ROOM.
8. WIRE AND CONNECT NEW SUMP PUMPS S768 AND S769 AND ASSOCIATED CONTROLS.
9. SUMP PUMP S768 AND S769 CONTROL CABINET c/w ALTERNATOR, STARTER & CONTROLS SUPPLIED BY DIV. 15.
10. MOTORIZED DAMPERS SUPPLIED AND INSTALLED BY DIVISION 15. CONNECTED BY DIVISION 16. REFER TO MECHANICAL DRAWINGS FOR DAMPER LOCATIONS.

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 RGID ALUMINUM CONDUIT.
4. ALL CONDUIT TO BE 21mmø MINIMUM UNLESS OTHERWISE NOTED.

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2006

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
02	ISSUED FOR CONSTRUCTION	06/09/22	SRP
01	21-2006 ADDENDUM 3	06/05/19	ERC
00	ISSUED FOR TENDER	06/04/26	ERC

EarthTech
A Tyco International Ltd. Company

DESIGNED BY	GSN	CHECKED BY	PS
DRAWN BY	ERC	APPROVED BY	JEH
HOR. SCALE:	NTS	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX
VERTICAL SCALE:			
DATE	2005/11/22	DATE	2006/04/26

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

CONSULTANT DRAWING NO.
SE1.01

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WEWPCC
BIOLOGICAL NUTRIENT REMOVAL UPGRADE
CONTRACT 3

CITY FILE NUMBER
SHEET OF

ELECTRICAL
AREA S – BIOREACTORS
LOWER LEVEL POWER PLAN

CITY DRAWING NUMBER

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