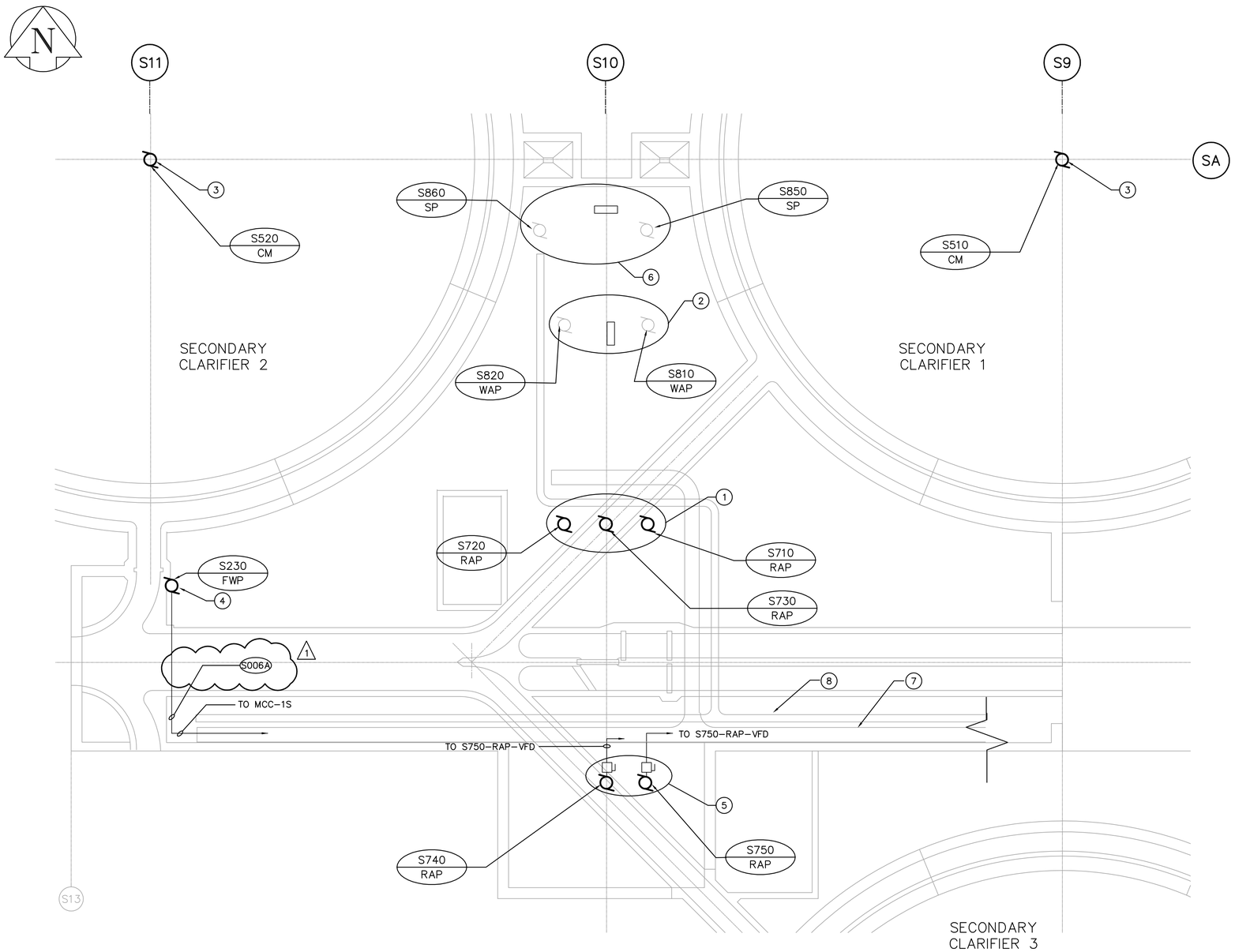
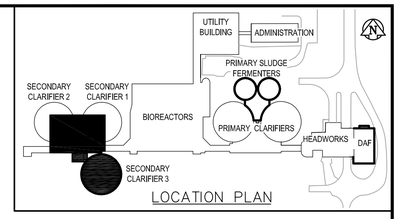
SHEET: COW-A1 (03/2005)



LOWER LEVEL – POWER PLAN

SCALE: 1:100



LOCATION PLAN

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 ELECTRIAL 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.
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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 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
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:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX
VERTICAL SCALE:			
DATE	2005/12/19	DATE	2006/04/26

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

CONSULTANT DRAWING NO.
SE3.02

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WEWPCC
BIOLOGICAL NUTRIENT REMOVAL UPGRADE
CONTRACT 3

ELECTRICAL
AREA S – SECONDARY CLARIFIERS
PUMP ROOM POWER PLAN

CITY FILE NUMBER
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CITY DRAWING NUMBER

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