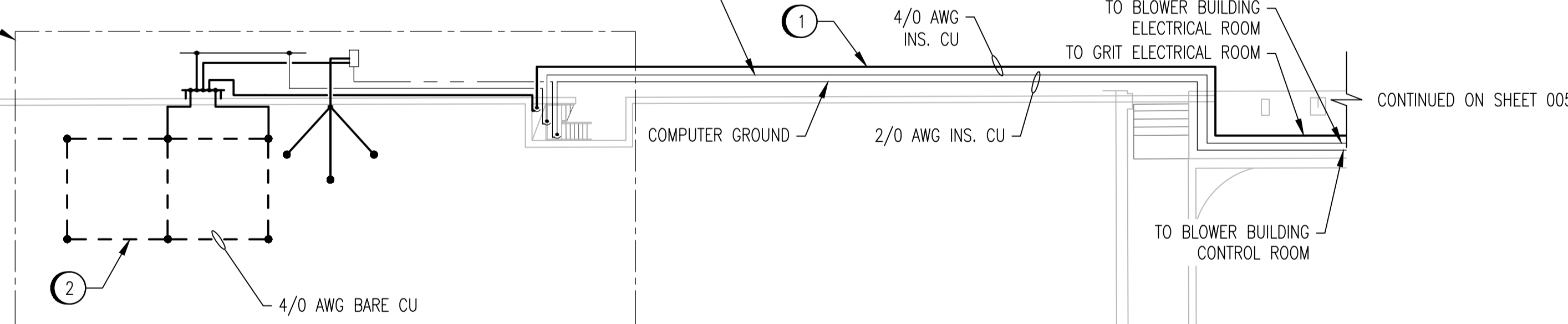


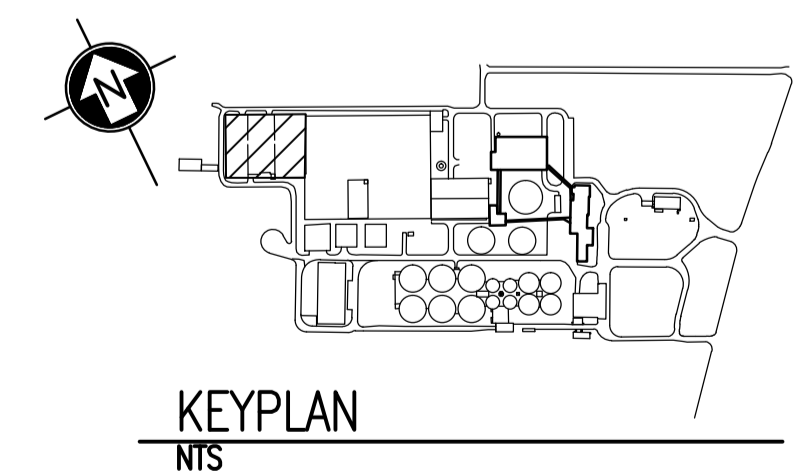
CONSTRUCTION NOTES	
1	PROVIDE 4/0 AWG CONDUCTOR FROM OXYGEN REACTORS TO GRIT ELECTRICAL ROOM. LOCATE IN EXISTING CABLE TRAY WHERE AVAILABLE. INSTALL IN 27mm PVC CONDUIT WHERE NOT IN TRAY. FOR VERTICAL RUN, CLAMP CONDUIT TO EXISTING UNISTRUT SUPPORTS.
2	PROVIDE GROUND ELECTRODE AS SHOWN. LOCATE ALL EXISTING UNDERGROUND SERVICES IN AREA PRIOR TO INSTALLATION OF ELECTRODE.

CONNECTIONS ARE NOT EXACTLY AS SHOWN. SEE DRAWING 1-0101R-E0013 FOR DETAILS.

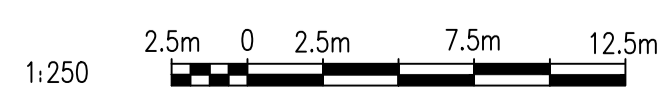


LEGEND:	
	EXISTING CONDUCTOR
	NEW CONDUCTOR
	CONDUCTOR ABOVE ELEVATION SHOWN
	GROUND ROD
	CONNECTION
	ELEVATION CHANGE

**OXYGEN REACTORS - LOWER LEVEL**  
 SCALE: 1 : 250



- NOTES:**
1. THE ELEVATION OF THE GROUNDING CONDUCTORS AND ELECTRODES VARIES AND IS SHOWN ON A SINGLE LEVEL TO EASE THE UNDERSTANDING OF HOW THE GROUNDING SYSTEM IS INTERCONNECTED. SEE LEGEND FOR LINETYPES OF CONDUCTORS AT DIFFERENT ELEVATIONS.
  2. THE LOCATION AND ROUTING OF EXISTING GROUNDING CONDUCTORS IS APPROXIMATE.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 845-2012	2012/10/30	TMC	CJR

**SNC-LAVALIN INC.**  
 148 Nature Park Way  
 Winnipeg, MB, Canada R3P 0X7  
 204-786-8080

DESIGNED BY: T. CHURCH  
 DRAWN BY: S. COATES  
 SCALE: 1:250  
 DATE: 2009/11/20  
 CONSULTANT NO.: 113312-0000-47DD-0003

CHECKED BY: C. REIMER  
 APPROVED BY: C. REIMER  
 RELEASED FOR CONSTRUCTION BY: B. STATION  
 DATE: 2012/10/31

ENGINEER'S SEAL

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

NORTH END WATER POLLUTION CONTROL CENTRE  
 GROUNDING UPGRADES  
 SITE PLAN  
 GROUNDING CONDUCTOR ROUTING

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101A-E0011	003	00	A1

1-0101A-E0010	GROUNDING INSTALLATION DETAILS
DRAWING NUMBER	REFERENCE DRAWINGS