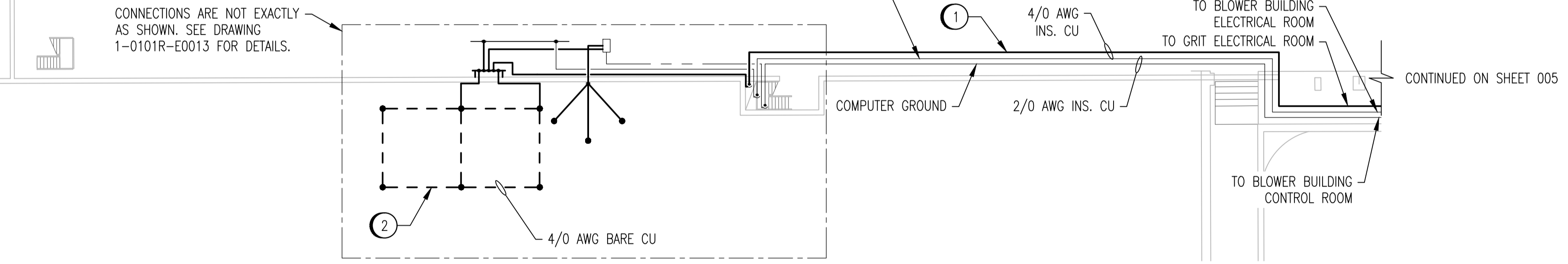
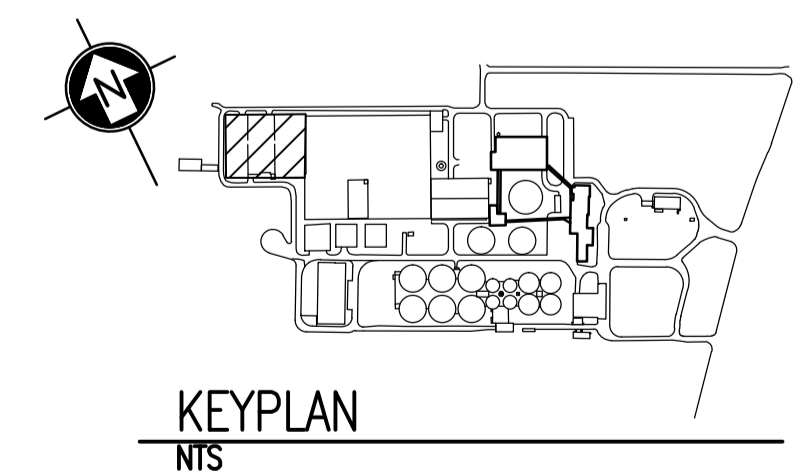


CONSTRUCTION NOTES	
1	PROVIDE 4/0 AWG CONDUCTOR FROM OXYGEN REACTORS TO GRIT ELECTRICAL ROOM. LOCATE IN EXISTING CABLE TRAY WHERE AVAILABLE. INSTALL IN 27mm PVC CONDUIT WHERE NOT IN TRAY. FOR VERTICAL RUN, CLAMP CONDUIT TO EXISTING UNISTRUT SUPPORTS.
2	PROVIDE GROUND ELECTRODE AS SHOWN. LOCATE ALL EXISTING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

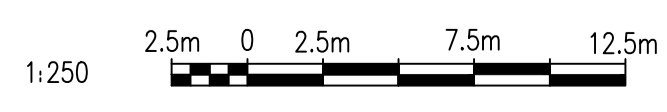


LEGEND:	
	EXISTING CONDUCTOR
	NEW CONDUCTOR
	CONDUCTOR ABOVE ELEVATION SHOWN
	GROUND ROD
	CONNECTION
	ELEVATION CHANGE

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	CHECKED BY: C. REIMER
DRAWN BY: S. COATES	APPROVED BY: C. REIMER
SCALE: 1:250	RELEASED FOR CONSTRUCTION BY: B. STATION
DATE: 2009/11/20	DATE: 2012/10/31
CONSULTANT NO.: 113312-0000-47DD-0003	

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: 1-0101A-E0011
 SHEET: 003
 REV.: 00
 SIZE: A1

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