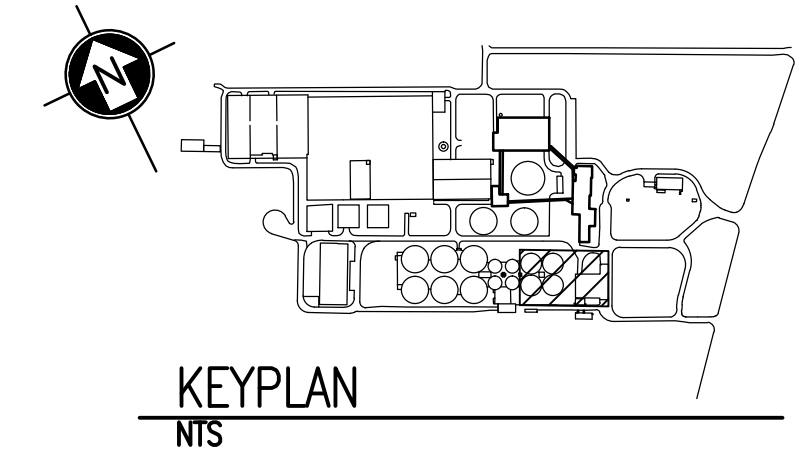


DIGESTER TANKS & DEWATERING BUILDING - LOWER LEVEL
1:250

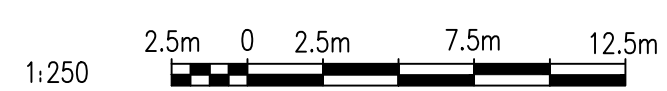
DEWATERING BUILDING - MAIN FLOOR
1:250

CONSTRUCTION NOTES	
1	PROVIDE 4/0 AWG CONDUCTOR FROM DEWATERING BUILDING TO MAIN BUILDING GROUND BUS BAR. INSTALL IN 27mm PVC CONDUIT WHERE EXISTING TRAY IS NOT AVAILABLE.
2	INSTALL 4/0 AWG CONDUCTOR IN 27mm PVC CONDUIT.
3	PROVIDE GROUND ELECTRODE AS SHOWN AND CONNECT TO GROUND BUS BAR. ENSURE EXISTING UNDERGROUND CABLES ARE NOT DAMAGED.
4	PROVIDE 2/0 AWG CONDUCTOR TO BOND PIPE ENTERING BUILDING TO GROUND. CONNECT TO GROUND CONDUCTOR IN CABLE TRAY ABOVE PUMPS. USE APPROVED PIPE CLAMP OR EXOTHERMIC WELD.
5	PROVIDE 2/0 AWG CONDUCTOR TO BOND PIPE ENTERING BUILDING TO GROUND. CONNECT TO GROUND CONDUCTOR IN CABLE TRAY ABOVE ROOM SHOWN.
6	PROVIDE 4/0 AWG CONDUCTOR FROM EXISTING STACK GROUND ELECTRODE TO NEW GROUND ELECTRODE.

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



- NOTES:**
- 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.
 - 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: I. 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-0007	

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: 007
 REV.: 00
 SIZE: A1

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