

DIGESTER TANKS & DEWATERING BUILDING - LOWER LEVEL
1:250

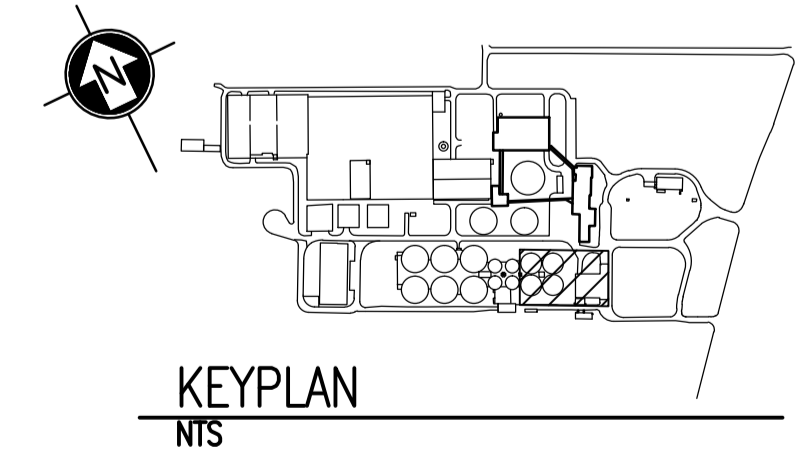
DEWATERING BUILDING - MAIN FLOOR
1:250

LEGEND:

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

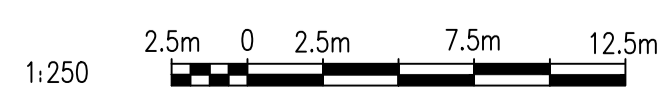
CONSTRUCTION NOTES

- 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.



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.



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

<p>SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080</p>		ENGINEER'S SEAL
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		

<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p>			
<p>NORTH END WATER POLLUTION CONTROL CENTRE GROUNDING UPGRADES SITE PLAN GROUNDING CONDUCTOR ROUTING</p>			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101A-E0011	007	00	A1

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