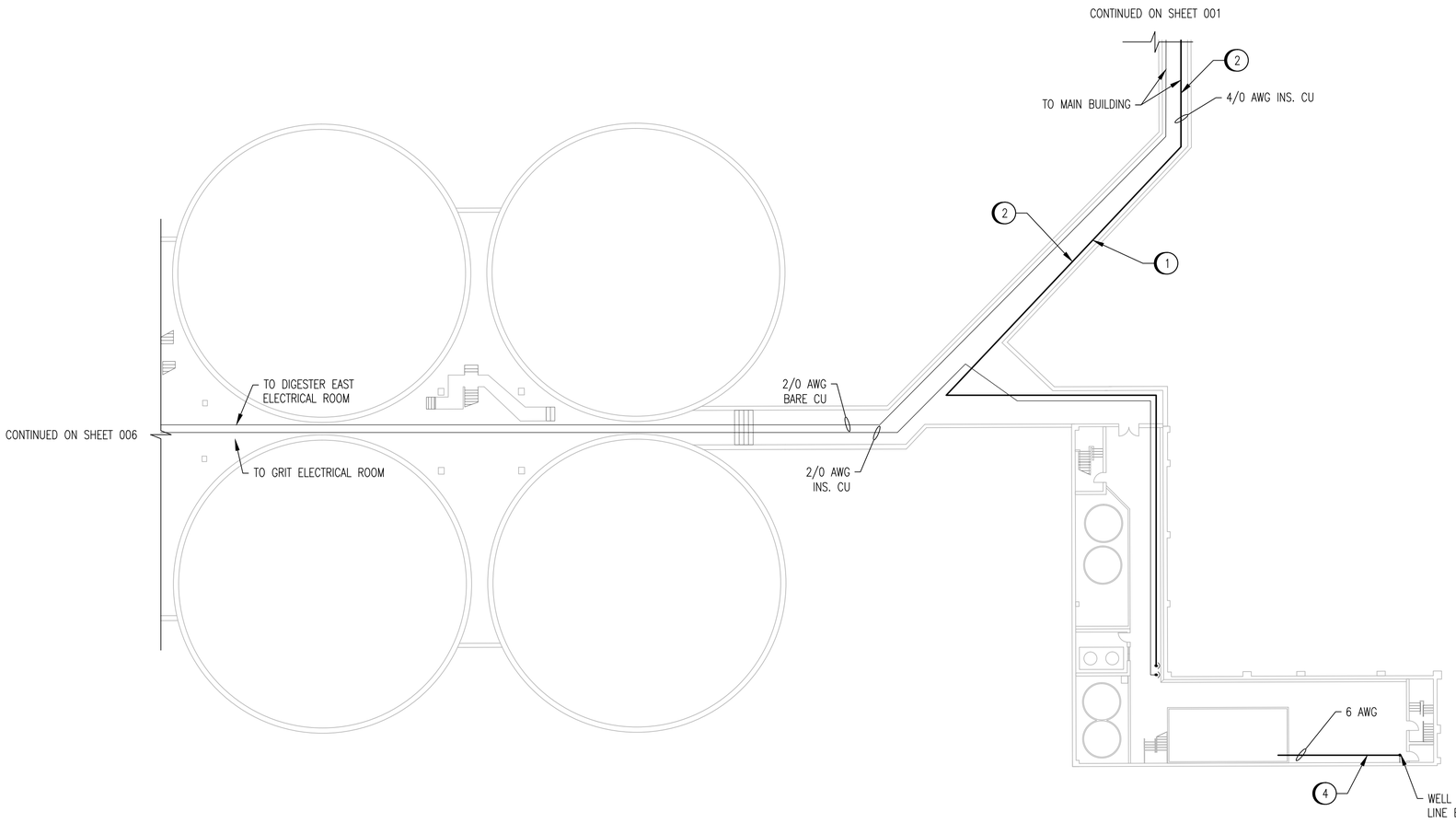
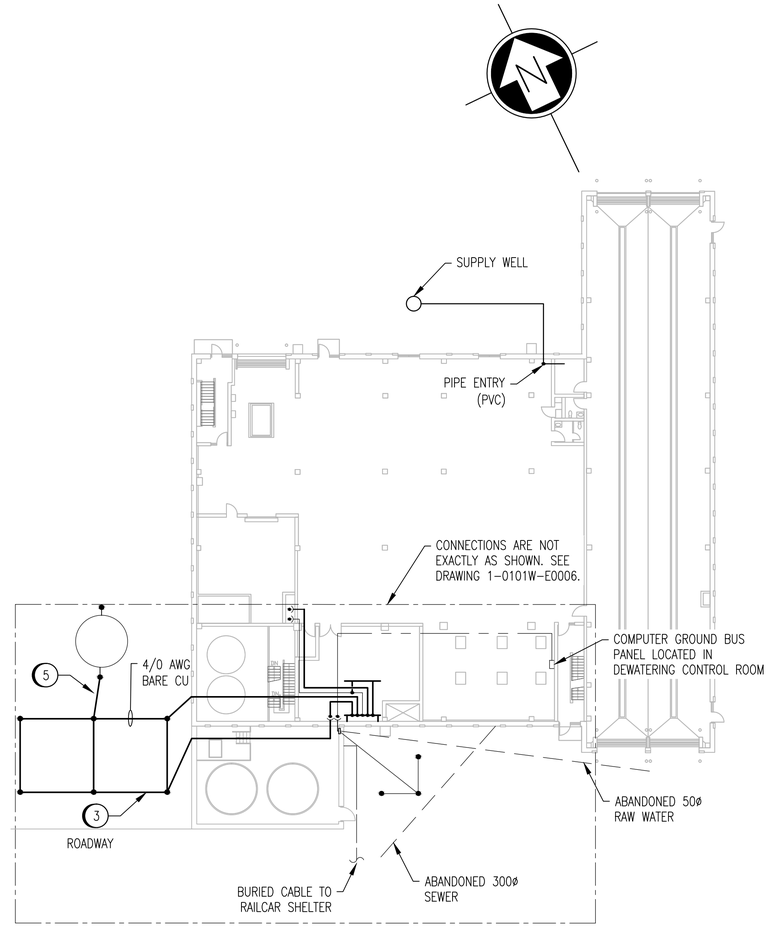
A1 SIZE – 594mm x 841mm



DIGESTER TANKS & DEWATERING BUILDING – LOWER LEVEL
1:250



DEWATERING BUILDING – MAIN FLOOR
1:250

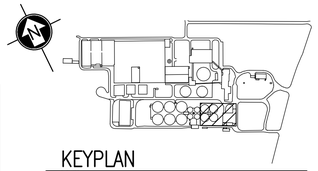
LEGEND:

- 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 6 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 4/0 AWG CONDUCTOR FROM EXISTING STACK GROUND ELECTRODE TO NEW GROUND ELECTRODE.

AS–BUILT DRAWING

THIS DRAWING WAS PREPARED USING UNVERIFIED INFORMATION PROVIDED BY OTHERS AND THEREFORE NO WARRANTY OR CERTIFICATION IS PROVIDED.



KEYPLAN
NTS

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.

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

1:250 2.5m 0 2.5m 7.5m 12.5m

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
01	AS–BUILT, BID OPP. 845–2012	2013/09/19	–	TMC
00	ISSUED FOR TENDER, BID OPP. 845–2012	2012/10/30	TMC	CJR

SNC·LAVALIN
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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–0007	

ENGINEER'S SEAL

ORIGINAL DRAWING SEALED BY:
T. M. CHURCH
SNC–LAVALIN
MEMBER #32682
2012/10/31
REV. 00

Winnipeg
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	007	01	A1

1–0101A–E0011–001–02.dwg

LAST SAVE: 2013/11/05 – 11:06am
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