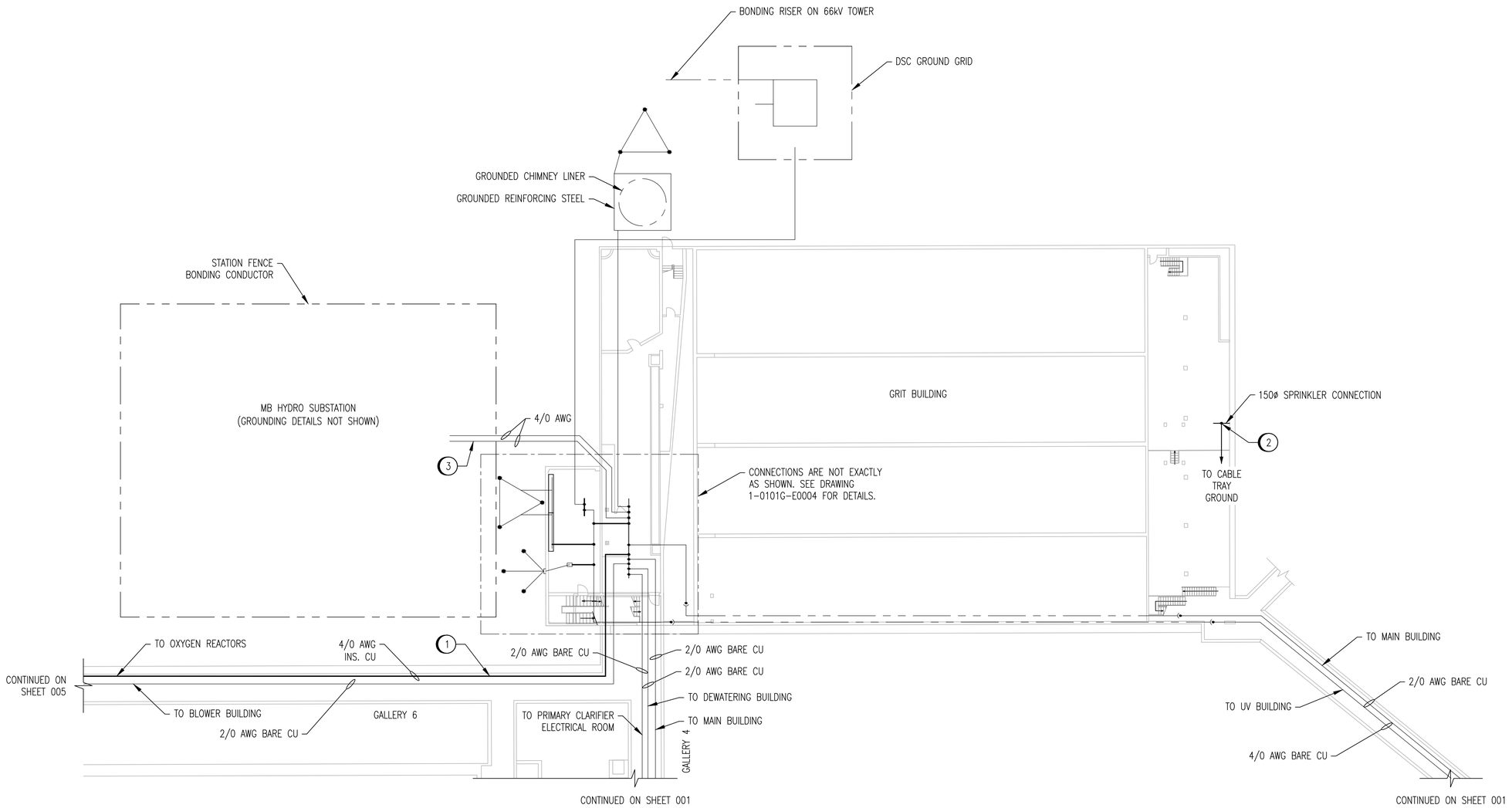
A1 SIZE - 594mm x 841mm



MB HYDRO SUBSTATION AND GRIT BUILDING - LOWER LEVEL

SCALE: 1 : 250

LEGEND:

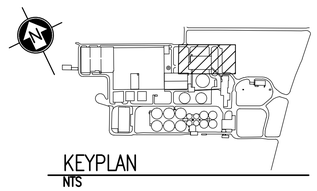
- EXISTING CONDUCTOR
- NEW CONDUCTOR
- CONDUCTOR ABOVE ELEVATION SHOWN
- GROUND ROD
- CONNECTION
- ELEVATION CHANGE

CONSTRUCTION NOTES

1. PROVIDE 4/0 AWG CONDUCTOR FROM OXYGEN REACTORS ELECTRICAL ROOM TO GRIT ELECTRICAL ROOM. LOCATE IN EXISTING CABLE TRAY. INSTALL IN 27mm PVC CONDUIT WHERE NOT IN TRAY.
2. PROVIDE 2/0 AWG CONDUCTOR TO BOND PIPE ENTERING BUILDING. CONNECT TO GROUND CONDUCTOR IN CABLE TRAY ABOVE PIPE. USE APPROVED PIPE CLAMP OR EXOTHERMIC WELD. INSTALL CABLE IN 21mm PVC CONDUIT.
3. NO WORK REQUIRED FOR EXISTING SUBSTATION GROUND CONDUCTORS.

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.

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

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

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

NO.	REVISIONS	DATE	DESIGN	CHECK
02	AS-BUILT, BID OPP. 845-2012	2013/09/19	-	TMC
01	MODIFIED SUBSTATION GROUND CONDUCTORS	2012/11/15	TMC	CJR
00	ISSUED FOR TENDER, BID OPP. 845-2012	2012/10/30	TMC	CJR

SNC·LAVALIN
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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-0002	

ENGINEER'S SEAL

ORIGINAL DRAWING
SEALED BY:
T. M. CHURCH
SNC-LAVALIN INC.
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	002	02	A1

1-0101A-E0011-001-02.dwg

LAST SAVE: 2013/11/05 - 10:47am
PATH: M:\113312\4ENG\47ELE\DD - General DWG\1-0101A-E0011-001-02.dwg