



GENERAL NOTES:

1. CONNECTIONS TO SYSTEM GROUND ELECTRODES SHALL BE 'C' CRIMP PRESSURE CONNECTION OR THERMOWELDED IN ACCORDANCE WITH CEC 10-806.
2. PERIMETER BURIED GROUND WIRING SHALL BE LAID IN UNDISTURBED NATIVE SOIL OR MECHANICALLY COMPACTED SOIL. GROUND RODS SHALL BE INSTALLED IN UNDISTURBED NATIVE SOIL OR MECHANICALLY COMPACTED SOIL.
3. ALL GROUND CABLES AND CONNECTIONS SHALL BE 4/0 AWG COPPER UNLESS NOTED OTHERWISE.
4. ALL SURFACE RUN CABLING SHALL BE PHYSICALLY PROTECTED BY DIRECT BURIAL OR BY SURFACE RUN CONDUIT. EXPOSED GROUND CABLES ARE NOT ACCEPTABLE.

LEGEND:

- GROUNDING CONDUCTOR
- ⊙ GROUND ROD WITH GROUND WELL
- GROUND ROD
- THERMOWELDED TEE CONNECTION

SPECIFIC NOTES:

- 1 PROVIDE DOWN CONDUCTORS FROM ROOF FOR LIGHTNING PROTECTION SYSTEM.
- 2 EQUIPMENT GROUNDING SYSTEM CONDUCTORS SHALL BE SEPARATED (NOT TOUCHING) FROM THE PERIMETER GROUNDING CONDUCTOR AT THIS POINT. PROVIDE 1000mm, BURIED, RIGID PVC CONDUIT SLEEVES AT CROSSING POINT.
- 3 FOR GROUNDING CONNECTION TO EQUIPMENT, REFER TO DWG. EGRD-K001.

GROUND FLOOR PLAN
1 : 100

1-0102-EGRD-K003	ELECTRICAL - GROUNDING DETAILS
REFERENCE DRAWINGS	DESCRIPTION



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER	08/2015	SLJ	DEB

CH2MHILL.		KCS	
DESIGNED BY: S. JUGANAS	CHECKED BY: D. BECKER	ENGINEER'S SEAL	
DRAWN BY: S. JUGANAS	APPROVED BY: D. BECKER	PRELIMINARY NOT FOR CONSTRUCTION	
SCALE: 1:100	ISSUED FOR CONSTRUCTION BY:	CITY DRAWING NUMBER	
DATE: 2015/02/25	DATE:	SHEET REV. SIZE	
CONSULTANT NO.: 474248		1-0102-EGRD-K002 001 00 A1	

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT
SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCC UPGRADING/EXPANSION PROJECT ELECTRICAL - GROUNDING LAYOUT HIGH RATE CLARIFICATION GROUND FLOOR