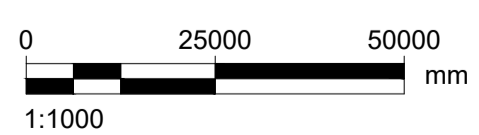


- GROUNDING NOTES:**
1. ALL GROUNDING CONDUCTORS TO BE STRANDED SOFT DRAWN BARE COPPER.
 2. BURIED PERIMETER GROUNDING CONDUCTOR AND GROUND RODS SHALL BE RUN IN NATIVE SOIL. PERIMETER GROUNDING CONDUCTOR AND GROUND ROD SHALL BE INSTALLED 305MM BELOW FINAL GRADE.
 3. ALL GROUNDING CABLES SHALL BE PHYSICALLY PROTECTED BY DIRECT BURIAL OR RUN IN CONDUIT FOR EXPOSED PART.
 4. PROVIDE AND INSTALL OF BUILDING GROUNDING SYSTEM INCLUDING GROUND RODS, CONDUCTORS, CONNECTORS, CONNECTIONS TO BUILDING STRUCTURE AND TIE IN TO PLANT GROUNDING. COMPRESSION CONNECTORS OR EXOTHERMIC WELD SHALL BE USE FOR GROUND CONNECTION.
 5. PROVIDE AND INSTALL ROXTEC FOR ANY GROUNDING CABLES PENETRATIONS TO THE BUILDING. ALL PENETRATED GROUND CABLES SHALL BE INSTALLED IN CONDUIT.
 6. PERIMETER GROUNDING CONDUCTOR SHALL BE INSTALLED 1000MM AWAY FROM THE BUILDING.
 7. REFER TO DWG 1-0101-EDTL-A002 AND A004 FOR INSTALLATION DETAILS.

SITE GROUNDING
 SCALE: 1:1000

- NOTES:**
1. PROVIDE INSPECTION TEST WELLS FOR TWO (2) BONDING CONNECTIONS TO THE OUTDOOR GROUNDING SYSTEMS.
 2. CONTRACTOR TO CONFIRM NUMBER OF #8 AWG TWU CONDUCTORS REQUIRED BETWEEN LIGHT POLES. SITE MAY HAVE UP TO 8 INDIVIDUAL CIRCUITS, EACH CIRCUIT SHALL BE PROVIDED WITH ITS OWN NEUTRAL.
 3. STREET LIGHTING POWER COMES FROM THE PRIMARY CLARIFIER CONTROL BUILDING ELECTRICAL ROOM, IN PANELBOARD E, CCT 36/38/40/42/44/46/56. COORDINATE WITH CITY OF WINNIPEG TO ISOLATE STREET LIGHTING POWER TO COMPLETE THE WORK.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR STAGING OF THE WORK TO MINIMIZE DOWNTIME. CONTRACTOR SHALL SUBMIT A STAGING PLAN FOR THE WORK THAT INCLUDES COORDINATION WITH THE CITY FOR ANY SHUTDOWN, SWITCHOVER, TEMPORARY OPERATION, SCHEDULES, ETC.



**ENGINEERS
 GEOSCIENTISTS
 MANITOBA**
 Certificate of Authorization
 AECOM Canada Ltd.
 No. 4671 Date: 2023-08-17

NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADDENDUM 5	2023-11-20	TW	SB
00	ISSUED FOR TENDER	2023-08-17	JEP	SB

AECOM		ENGINEER'S SEAL	
DESIGNED BY: KG	CHECKED BY: LS		
DRAWN BY: MM	APPROVED BY: NW		
SCALE: 1:1000	RELEASED FOR CONSTRUCTION BY:		
DATE: 2020-12-09	DATE:		
CONSULTANT NO.: Y0-E105			

TENDER NO. 463-2022

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT
 PRIMARY CLARIFICATION PROJECT
 ELECTRICAL
 GROUNDING CONDUCTOR ROUTING

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101-EGRD-A001	001	01	A1