## GENERAL NOTES:

1. GROUNDING RISER DIAGRAM REPRESENTS THE MINIMUM GROUNDING AND BONDING REQUIREMENTS. ADDITIONAL GROUNDING AND BONDING HARDWARE ARE TO BE PROVIDED AS REQUIRED TO MEET CODE. CONFIRM GROUNDING REQUIREMENTS WITH MCC SUPPLIER.
2. ALL GROUNDING / BONDING WIRES AND COMPRESSION CONNECTORS SHOWN THIS DRAWING ARE NEW AND ARE TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR. MANITOBA HYDRO TO PROVIDE NEUTRAL FROM UTILITY TRANSFORMER TO MCC SERVICE ENTRANCE.

## KEYNOTES:

1. CONNECTION OF BONDED NEUTRAL GENERATORS SHALL NOT BE PERMITTED.

1 GROUNDING RISER DIAGRAM
SCALE: N.T.S.

2 MCC GROUNDING CONNECTIONS
SCALE: N.T.S.

3 GROUND WELL AND TEE DETAIL
SCALE: N.T.S.

4 TYPICAL GROUND GRID DETAIL
SCALE: N.T.S.

| NO. | DRAWING NUMBER | REFERENCE DRAWING TITLE |
|---|---|---|
| 10 | | |
| 9 | | |
| 8 | | |
| 7 | | |
| 6 | | |
| 5 | | |
| 4 | | |
| 3 | 1-0131L-E0008 | MCC ELEVATIONS AND DETAILS |
| 2 | 1-0131L-E0005 | ELECTRICAL SITE PLAN |
| 1 | 1-0131L-E0006 | ELECTRICAL BUILDING PLAN |

REFERENCE DRAWINGS

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
UNLESS OTHERWISE NOTED

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE, a division of Englobe Corp.
No. 4968 Date: MAR 19, 2024

B.M.
ELEV.

| NO. | REVISIONS | DATE | BY |
|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | 2024-03-19 | |

MPE a division of Englobe

| | | | |
|---|---|---|---|
| DESIGNED BY | J. SWAIN | CHECKED BY | R. OFSTIE |
| DRAWN BY | J. SWAIN, T. SHRUFI | APPROVED BY | R. OFSTIE |
| SCALE: HORIZONTAL VERTICAL | AS SHOWN | RELEASED FOR CONSTRUCTION | |
| DATE | 2024-03-19 | DATE | |

PROVINCE OF MANITOBA
R.G. OFSTIE
Member 44405
REGISTERED PROFESSIONAL ENGINEER
MARCH 21, 2024
CONSULTANT DRAWING NUMBER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

CONWAY LIFT PUMPING STATION
2024 UPGRADES
# ELECTRICAL GROUNDING DETAILS

CITY DRAWING NUMBER 1-0131L-E0009-001-00 SHEET 50 OF 102

PLOT DATE: 2024 03 19
BID OPPORTUNITY: --
FILE PATH: M:\N-Data\84\00 City of Winnipeg\005 - Conway Lift Station\Autodesk\ACAD\
FILE NAME: E1.4 ELECTRICAL GROUNDING DETAILS.dwg