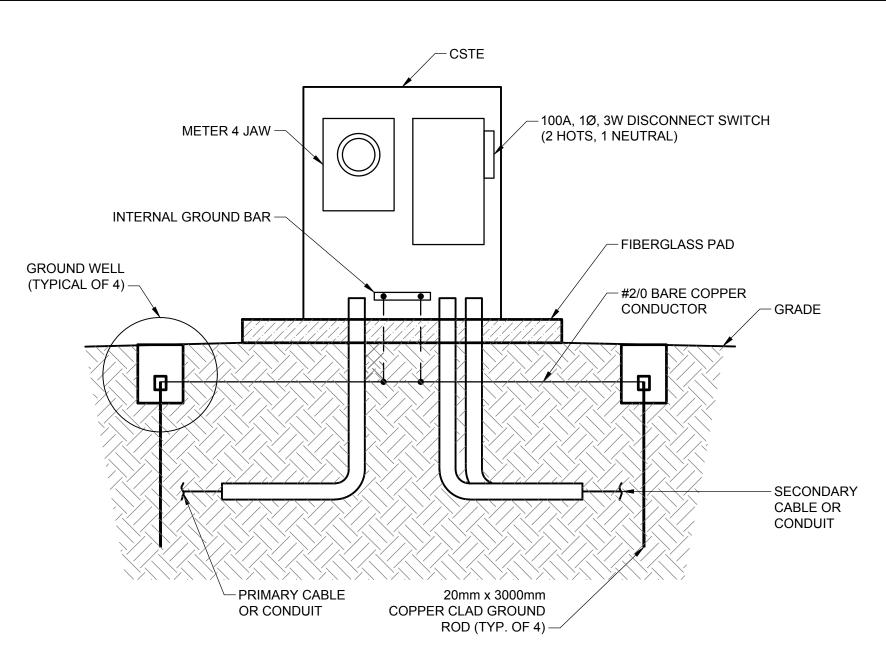
- 1. THIS DETAIL PERTAINS TO WEST SIDE CONSTRUCTION (DRAWING E-1001) AND SHOULD NOT BE USED AS INSTRUCTION OR RECOMMENDATION FOR ANY EAST SIDE CONSTRUCTION (DRAWING E-1002).
- 2. CONTRACTOR TO COORDINATE WITH MANITOBA HYDRO TO FIELD LOCATE POLE. APPROXIMATE LOCATION SHOWN ON DRAWING E-1001. LOCATE EAST OF GATE.
- 3. COORDINATE WITH MANITOBA HYDRO FOR MAIN BREAKER MINIMUM SIZE IN THE PANEL, BUT ASSUME A MINIMUM SIZE OF 100A BREAKER, 18kAIC. ALSO INSTALL PANEL ACCORDINGLY.

SERVICE POLE DETAIL

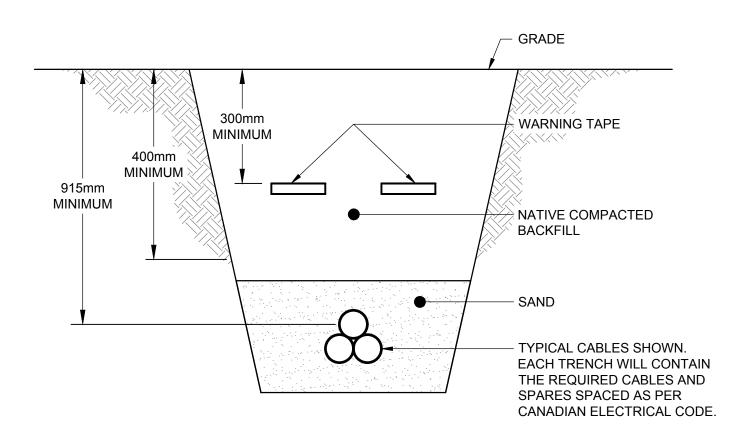


PAD MOUNT CSTE DETAIL NOTES:

- 1. THIS DETAIL PERTAINS TO EAST SIDE CONSTRUCTION (DRAWING E-1002) AND SHOULD NOT BE USED AS INSTRUCTION OR RECOMMENDATION FOR ANY WEST SIDE CONSTRUCTION (DRAWING E-1001).
- 2. LOCATE ON FIBERGLASS PAD. SEE LOCATION ON DRAWING E-1002.
- 3. SUPPLY CSTE COMPLETE WITH 3 PHASE, 100A 4W, NEMA 4X RATED DISCONNECT MOUNTED TO CSTE ENCLOSURE. CSTE ENCLOSURE TO BE OUTDOOR RATED.
- 4. ROUTE 4C #1 AWG 1000V TECK 90 CABLING FROM CSTE TO PANELBOARD.

PAD MOUNT CSTE DETAIL

Scale NTS



DIRECT BURIED TRENCH NOTES:

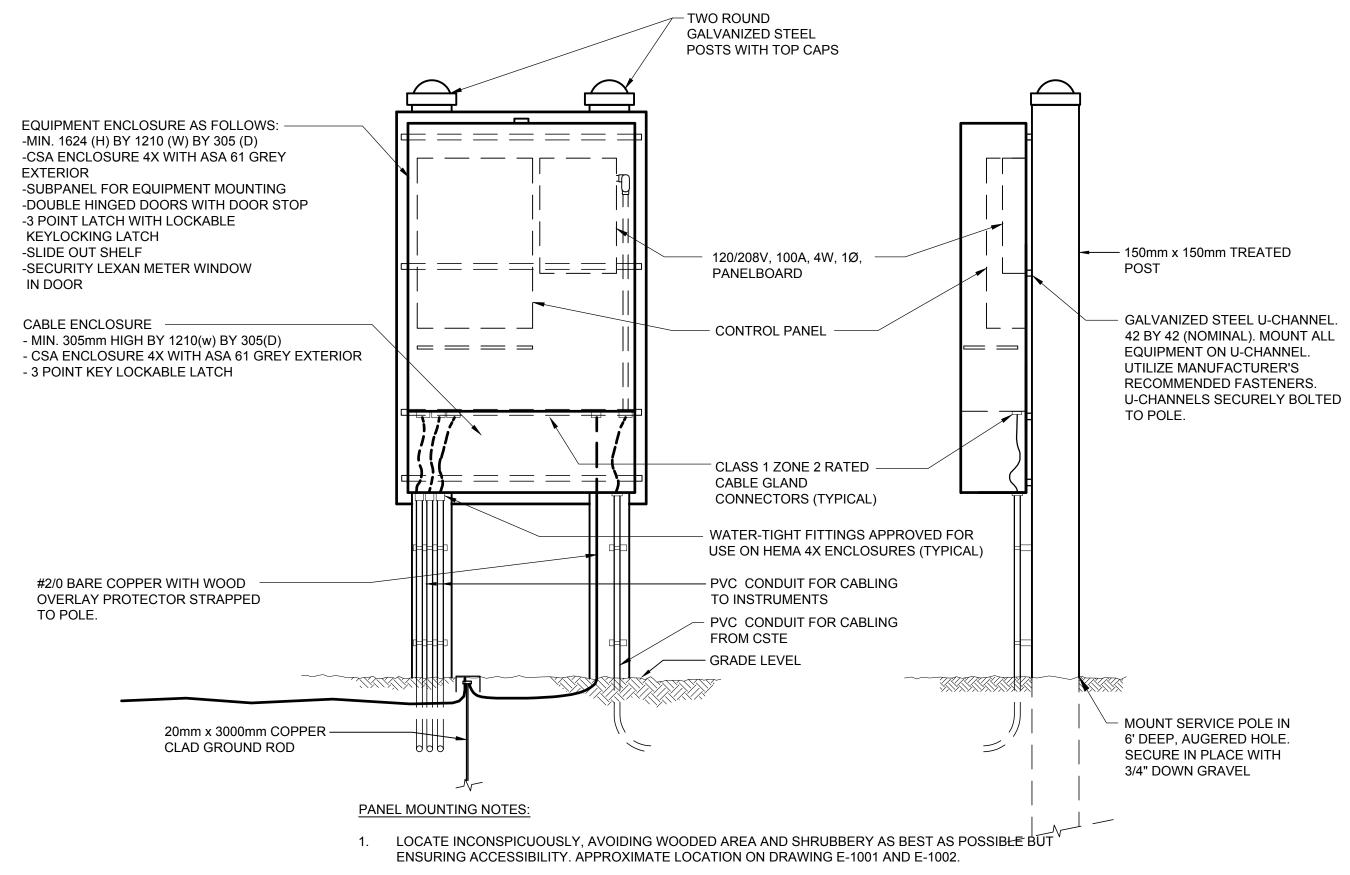
- 1. DETAIL IS TYPICAL TO ILLUSTRATE REQUIRED CLEARANCES. CABLING SHOWN IS TYPICAL AND SHOULD BE MODIFIED AS PER THE REQUIRED SIZE AND TYPE OF CABLE STIPULATED IN THESE DRAWINGS WHEREVER TRENCHING IS REQUIRED.
- 2. CONTRACTOR TO TAKE CARE WHEN TRENCHING TO FIELD LOCATE BEST PATH TO MINIMIZE LOSS OF AND DAMAGE TO TREES AND SHRUBBERY.

DIRECT BURIED TRENCH

INDIVIDUAL UTILITIES BEFORE PROCEEDING

NO. REVISIONS

WITH CONSTRUCTION.



- 2. PROVIDE AND INSTALL 3 PHASE 120/208V, 4W, NEMA 4X RATED, 12 CIRCUIT PANEL BOARD WITH MAIN
- BREAKER. BREAKER RATING AS PER THE LATEST CEC. PROVIDE 2 x 15A SINGLE POLE SPARE BREAKERS IN THE PANEL.
- 3. ROUTE 3C #1 AWG 1000V TECK 90 CABLING FROM CSTE TO PANELBOARD.
- 4. ROUTE 3C #12 AWG TECK 90 CABLING TO INSTRUMENTS. SEE INSTRUMENTATION DRAWING.
- 5. PROVIDE AND INSTALL ONE (1) SINGLE POLE 15A CIRCUIT BREAKER FOR INSTRUMENTATION.
- 6. USE WATERTIGHT FITTINGS TO RETAIN NEMA 4X ENCLOSURE CLASSIFICATION.
- 7. INSTALL GALVANIZED STEEL POSTS WITH TOP CAPS AS PER MANUFACTURER'S RECOMMENDATION.
- 8. INSTALL TREATED PLYWOOD BACKBOARD SECURED TO STEEL POSTS. INSTALL STRUT ON BACKBOARD TO MOUNT PANELBOARD.

ELECTRICAL POWER / CONTROL PANEL ENCLOSURE MOUNTING ARRANGEMENT

N.T.S.

GENERAL NOTES:

- ALL INSTALLATIONS TO COMPLY WITH THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE CSA 22.1, PART 1 AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MANTIOBA ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL AMENDMENTS.
- ALL SUPPLIED ELECTRICAL DISTRIBUTION EQUIPMENT TO BE CSA RATED. EQUIPMENT WITHOUT A CSA RATING IS NOT ACCEPTABLE FOR INSTALLATION.

ENGINEERS
GEOSCIENTISTS
MANITOBA

Certificate of Authorization
AECOM Canada Ltd.

No. 4671 Date: August 26, 2020

TENDER NO. 450-2020

LOCATION APPROVED AECOM UNDERGROUND STRUCTURES SUPR. U/G STRUCTURES DATE COMMITTEE CHECKED DESIGNED MP/JR SS LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO APPROVED DRAWN KLC GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF RELEASED FOR 1:750 HOR. SCALE EXISTENCE AND EXACT LOCATION OF ALL CONSTRUCTION N/A SERVICES MUST BE OBTAINED FROM THE VERT. SCALE 52 0 ISSUED FOR CONSTRUCTION KLC

BY



RUIZ

Member

60509089-SHT-30-0000-E-1003

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

NORTHEAST INTERCEPTOR RIVER CROSSING FLOW MONITORING INSTRUMENTATION

FLOW MONITORING

ELECTRICAL DETAILS

CITY DRAWING NUMBER

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

122