

CABLE TRENCH PLAN
SCALE: 1 : 30

GENERAL NOTES

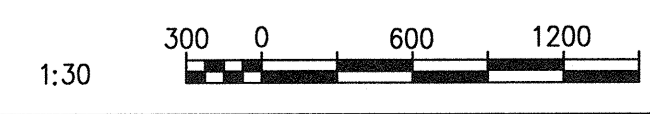
- REFER TO TECHNICAL SPECIFICATION 26 25 01 FOR DETAILS ON MAXIAMP CABLE BUS TRENCH.
- ALL DIMENSIONS SHOWN AS APPROXIMATE. SHALL BE COORDINATED/DETERMINED BY THE CONTRACTORS.
- PROVIDE ROXTEC WEATHERPROOF SEALS FOR ALL CABLE / CONDUIT ENTRY INTO THE FACILITY.

SPECIFIC NOTES:

- SUPPLY AND INSTALL MAXIAMP CABLE BUS SYSTEM.
- SUPPLY AND INSTALL ROXTEC CABLE SEALS. ENSURE CABLE SEALS ARE APPROPRIATELY SIZED FOR THE CABLES SUPPLIED.
- FOR EACH FRAME, CONSTRUCT A CONCRETE OPENING OF 539 mm X 245 mm FOR INSTALLATION OF ROXTEC CABLE SEAL SYSTEM CONFIRM OPENING SIZE WITH ROXTEC. COORDINATE WORK WITH STRUCTURAL.
- CONCRETE TRENCH (RUN TO CABLE ENTRY COMPARTMENT) COMPLETE WITH CONCRETE FLOORING AND REMOVABLE CHECKERED METAL COVER PLATE OVER THE INDOOR PORTION OF THE TRENCH. SEE SECTION 'C' ON DWG. 1-0102-ECRT-R002.
- EXTERIOR PVC CONDUIT TO PENETRATE THE WALL APPROXIMATELY 3000mm ABOVE ELECTRICAL ROOM FINISHED FLOOR, THEN TRANSITION TO RIGID THREADED ALUMINUM CONDUIT FOR INTERIOR ROUTING. PROVIDE ROXTEC CONDUIT SEAL ON WALL PENETRATION.
- PROVIDE 129 mmØ RIGID PVC CONDUIT SLEEVES THROUGH CONCRETE PAD EXTENDING APPROX. 1500 mm PAST THE PAD FOR ROUTING OF THE 15KV MAIN POWER CABLE. PROVIDE WEATHERPROOF SEAL AT BOTH ENDS OF THE CONDUIT SLEEVE AFTER INSTALLATION OF CABLE.
- PROVIDE 129 mmØ RIGID PVC CONDUIT SLEEVES (SPARE) THROUGH CONCRETE PAD EXTENDING APPROX. 1500 mm PAST THE PAD. CAP BOTH ENDS.
- REFER TO DWG. 1-0102-EWDG-RXXX AND 1-0102-EWDG-RXXX FOR CABLE TYPE. RUN THE CABLES IN 53 mmØ RIGID PVC CONDUIT FOR EXTERIOR UNDERGROUND ROUTING AND TRANSITIONING TO RIGID ALUMINUM CONDUIT FOR INSIDE THE BUILDING ROUTING.
- RUN NGR CABLES IN 53 mmØ RIGID PVC CONDUIT.
- PROVIDE A NEMA 4, 610 mm X 610 mm X 305 mm PULL BOX FOR FIBER OPTIC CABLE.
- PROVIDE A 900mm HIGH, GALVANIZED STEEL STRUCTURAL STAND BOLTED TO THE CONCRETE PAD FOR MOUNTING OF NGR-R701 AND NGR-R702. REFER TO DWG. 1-0102-ECRT-R002, DETAIL 3 FOR NEUTRAL GROUNDING RESISTOR DETAILS.
- PROVIDE 2400 mm HIGH STEEL CHAIN LINKED FENCE WITH LOCKED GATE TO RESTRICT ACCESS TO NEUTRAL GROUNDING RESISTORS IN ACCORDANCE WITH CODE REQUIREMENTS.
- CONNECT TRANSFORMER GROUND ELECTRODES / GROUND GRID TO THE BUILDING SERVICE GROUNDING SYSTEM. REFER TO DRAWING 1-0102-EGRD-R002 002.

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REFERENCE DRAWINGS	DESCRIPTION
1-0102-EGRD-A003	GROUNDING DETAILS
1-0102-EDTL-A003	DETAILS
1-0102-ECRT-R002	CABLE BUS SYSTEM SECTIONS AND DETAILS



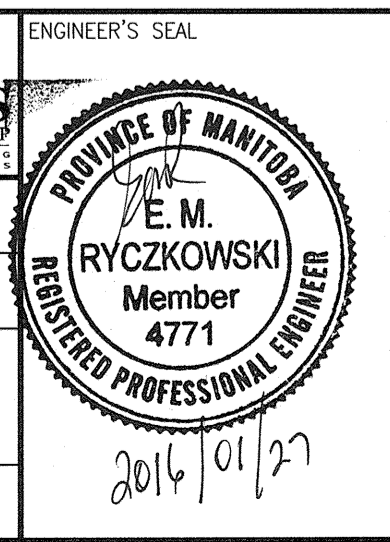
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CH2MHILL.
SNC-Lavalin

DESIGNED BY: V. ELIMBAN
DRAWN BY: M.J. PERSSON
SCALE: AS SHOWN
DATE: 2015/10/19

CHECKED BY: D. BECKER
APPROVED BY: E. RYCZKOWSKI
ISSUED FOR CONSTRUCTION BY: T. TURZAK
DATE: 2016/01/29

CONSULTANT NO.: 474248



THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL - CABLE ROUTING
BIOREACTORS/BLOWER BUILDING
CABLE BUS SYSTEM LAYOUT

CITY DRAWING NUMBER: 1-0102-ECRT-R001
SHEET: 001
REV.: 00
SIZE: A1