TO MANITOBA HYDRO POLETOP TRANSFORMER UTILITY CABLING MANITOBA HYDRO APPROVED 100A METER SOCKET SERVICE ENTRANCE RATED WEATHERPROOF COMBINATION PANELBOARD MOUNTED ON 120/240 MAIN 100A 2P DISCONNECT SWITCH GALVANIZED STEEL H-CHANNELS SUPPORTS. MAIN PANEL: 'MD1', 120/240V, 100A, 1PH, 3W. 60A 2P 15A → 2C #12 AWG TECK 90 _____2C #6 AWG TECK 90 ____ 2C #12 AWG TECK 90 IN 21mm PVC CONDUIT (CLASS | DIV 1.) (CLASS | DIV 1.) DUPLEX PUMP CONTROLLER: 'DC1' 3 2 SPEED MANUAL STARTER → 2C #10 AWG TECK 90 → 2C #12 AWG TECK 90 (CLASS | DIV 1.) (CLASS | DIV 1.) h ^{30A} 2P EXHAUST FAN EF-1 PUMP 'P2' LIGHTING

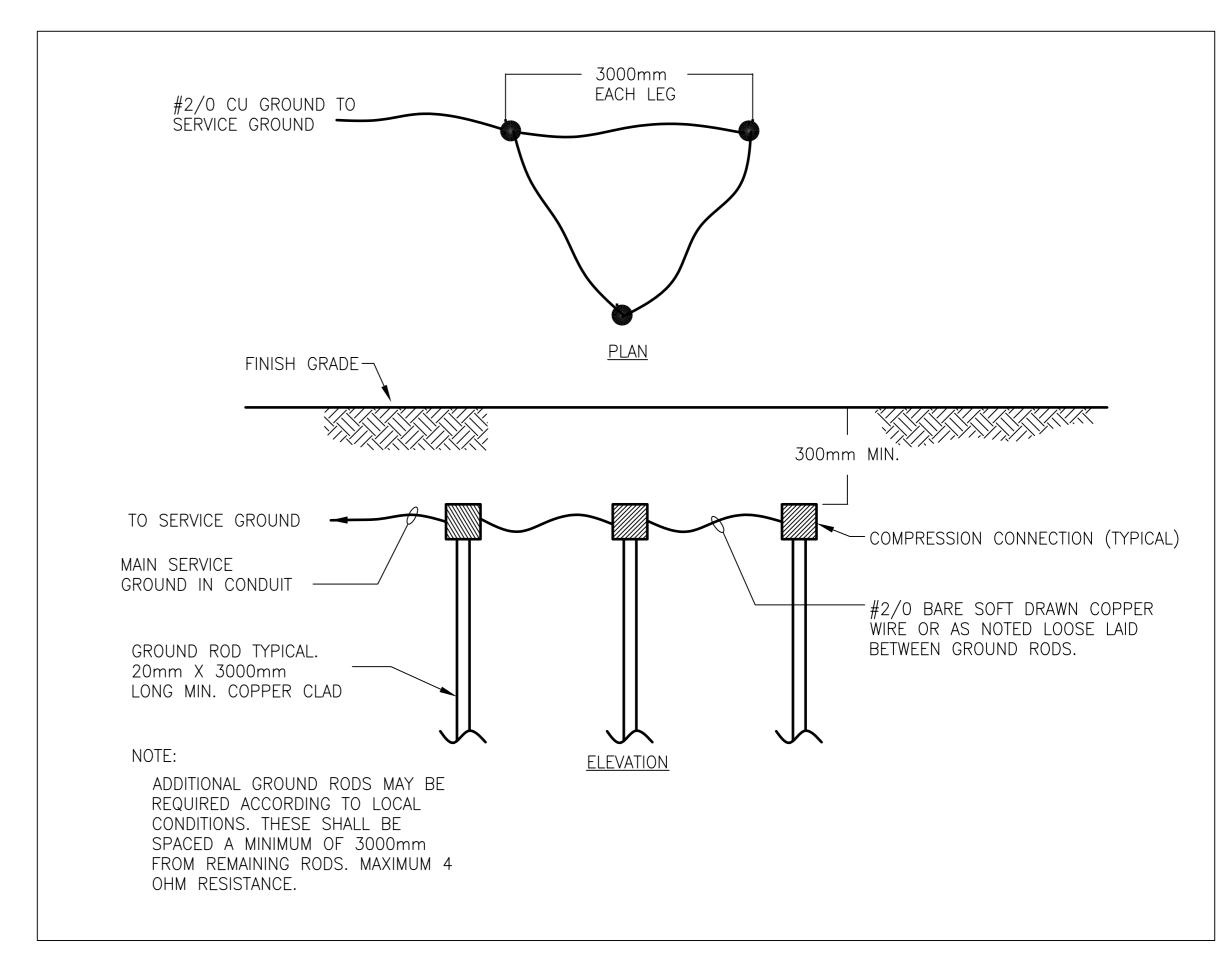
ELECTRICAL SINGLE LINE SCALE: NTS

GENERAL NOTES

- 1. ALL DEVICES SHOWN ARE NEW, AND ARE TO BE PROVIDED BY THE CONTRACTOR.
- 2. ALL EXTERIOR EQUIPMENT SHALL BE LOCKABLE.
- 3. PROVIDE CLASS I, DIV. 1 SEALS AT THE CABLE ENTRY POINTS INTO THE EXTERIOR PANELS / ENCLOSURES FOR ALL CABLES WHICH ENTER THE LIFT STATION.

SPECIFIC NOTES

- REFER TO THE WEATHERPROOF PANEL / CONTROL CABINET ENCLOSURES DETAIL ON DRAWING E4 FOR COMBINATION SERVICE ENTRANCE PANEL REQUIREMENTS.
- PROVIDE NEMA 1 PUMPING STATION DUPLEX PUMP CONTROLLER (IN WEATHERPROOF NEMA 4 ENCLOSURE). PRODUCT SHALL BE GOULDS SES SERIES CONTROLLER OR APPROVED EQUAL. PROVIDE 4 STAGE (C/W 4 FLOATS) MOTOR CONTROL / HIGH LEVEL ALARM AUXILIARY CONTACT.



SERVICE GROUND ELECTRODE DETAIL SCALE: NTS

Certificate of Authorization SNC-Lavalin Engineers & Constructors Inc. (MB) No. 2365 Expiry: April 30, 2006

.M. LEV.		FIELD BOOK #:			CITY OF WINNIPEG			
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					ENGINEERING DIVISION			
					DESIGNED BY	DEB	CHECKED BY	EMR
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09/14/05 EMR

DATE BY

1 ISSUED FOR OWNER REVIEW

1:100

2005 09 29 DATE

VERTICAL

ENGINEER'S SEAL Winnipeg ORIGINAL SIGNED E.M.RYCZKOWSKI 09/22/05

BID OPPORTUNITY: 576-2005

FILENAME : Crescent E3.dwg PLOT DATE: 2005 09 29

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2005 CRESCENT DRIVE WASTEWATER SEWER SHEET 8 OF 9 AND PUMPING STATION CONSTRUCTION WASTEWATER PUMPING STATION ELECTRICAL SINGLE LINE AND DETAILS

CITY DRAWING NUMBER 05695