TO MANITOBA HYDRO POLETOP TRANSFORMER UTILITY CABLING MANITOBA HYDRO APPROVED 100A METER SOCKET SERVICE ENTRANCE RATED WEATHERPROOF COMBINATION PANELBOARD MOUNTED ON GALVANIZED STEEL H—CHANNELS SUPPORTS. 120/240 MAIN DISCONNECT SWITCH 100A 2P 1 MAIN PANEL: 'MD1', 120/240V, 100A, 1PH, 3W. 60A 2P 15A 1P 15A 1P - 2C #6 AWG TECK 90 IN 21mm PVC CONDUIT -2C #12 AWG TECK 90 (CLASS | DIV 1.) -2C #12 AWG TECK 90 (CLASS | DIV 1.) DUPLEX PUMP CONTROLLER: 'DC1' 2 SPEED MANUAL STARTER -2C #10 AWG TECK 90 -2C #12 AWG TECK 90 (CLASS I DIV 1.) (CLÄSS I DIV 1.) PUMP 'P2' LIGHTING EXHAUST FAN EF-1 PUMP 'P1'

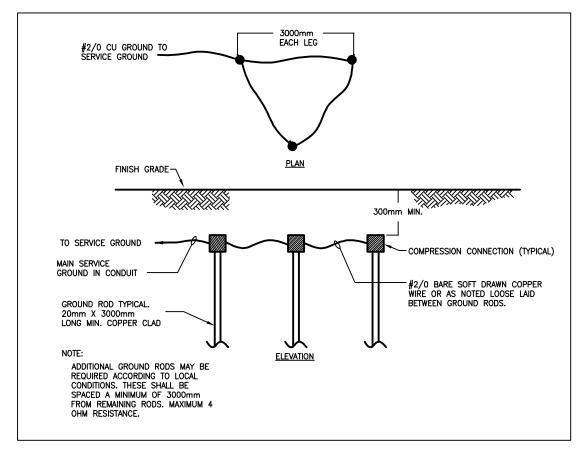
ELECTRICAL SINGLE LINE SCALE: NTS

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



	B.M. ELEV	B.M. FIELD BOOK ELEV.				CITY OF WINNIPEG			ENGINEER'S SEAL		
F	POSTED TO LBIS				WATER AND WASTE ENGINEERING DIVISION ORIGINAL SIGNED						
٦Þ						DESIGNED BY	DEB	CHECKED BY	EMR	E.M.RYCZKOWSKI 09/22/05	
۱þ						DRAWN BY	DEB	APPROVED BY	EMR		
06	2	ISSUED FOR TENDER ISSUED FOR OWNER REV		09/22/05 09/14/05		HOR. SCALE VERTICAL	AS SHOWN	RELEASED FOR CONSTRUCTION	BID OPPORTUNITY: 509—2006 FILENAME: 05922.dwg		
	NO.	REVISIONS		DATE	BY	DATE	2006 08 03	DATE		PLOT DATE: 2006 08 03	



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2006 CRESCENT DRIVE & IRVING PLACE WASTEWATER SEWER AND PUMPING STATION INSTALLATIONS
WASTEWATER PUMPING STATION

ELECTRICAL SINGLE LINE AND DETAILS

SHEET 14 OF 15
CITY DRAWING NUMBER

05922