



EQUIPMENT LIST	
No.	DESCRIPTION
①	SERVICE ENTRANCE RATED 100A CIRCUIT BREAKER
②	MANITOBA HYDRO APPROVED METER SOCKET c/w SCREW TYPE SEALING RING
③	600V MAIN DISTRIBUTION PANEL: PNL-A70
④	SURGE PROTECTION DEVICE (SPD)
⑤	208V PANEL: PNL-A71
⑥	ENCLOSURE LUMINAIRE (NOTE 1)
⑦	RTU CABINET (NOTE 2)
⑧	ENVIRONMENTAL CONTROLS
⑨	PUMP STARTER
⑩	SIEMENS MILLTRONICS LEVEL TRANSMITTER (NOTE 3)
⑪	ACTUATOR STARTER
⑫	PHOENIX CONTACT SCADA PACK 357
⑬	UNINTERRUPTIBLE POWER SOURCE (UPS)
⑭	LAND LINE MODEM
⑮	15A, 120V SINGLE RECEPTACLE
⑯	RTU CABINET LOW TEMPERATURE ALARM
⑰	ANTENNA
⑱	WIRELESS MODEM
⑲	ENCLOSURE PROTRUSION C/W DRAINAGE HOLES ON BASE (NOTE 5)
⑳	TRANSFORMER

NOTES:

- ENCLOSURE LUMINAIRE TO BE EQUIPPED WITH A LED SOURCE AND CONTROLLED BY EITHER A TOGGLE SWITCH OR DOOR SWITCH. ACCEPTABLE LUMINAIRE INCLUDES PHILIPS EW PROFILE POWERCORE SERIES OR APPROVED EQUIVALENT.
- RTU CABINET SHALL BE COMPLETE WITH ENVIRONMENTAL CONTROLS AND LUMINAIRE COMPLETE WITH DOOR SWITCH. CABINET SHALL BE NEMA 4 RATED AND INCLUDE A LOCKING MECHANISM. REFER TO APPENDIX C FOR PREFERRED LAYOUT OF COMPONENTS WITHIN THE RTU CABINET.
- MOUNT LEVEL TRANSMITTER ON DOOR OF RTU CABINET.
- PADMOUNT ENCLOSURE TO INCLUDE ALL POWER DISTRIBUTION EQUIPMENT, CONTROLS, INSTRUMENTATION, PUMP STARTER, ACTUATOR MOTOR STARTER AND COMMUNICATION EQUIPMENT. UTILITY METER TO BE MOUNTED ON SIDE OF ENCLOSURE FOR INCOMING SERVICE CONDUCTORS BY MANITOBA HYDRO. ENCLOSURE SHALL BE NEMA 4 RATED.
- SEAL ENCLOSURE PENETRATION AROUND ANTENNA CABLE TO PREVENT WATER/MOISTURE INGRESS INTO THE PAD MOUNT ENCLOSURE.

A PADMOUNT ENCLOSURE—FRONT ELEVATION
SCALE: N.T.S.



NO.	REVISIONS	DATE	BY	DATE	DATE
0	ISSUED FOR CONSTRUCTION	15/10/02	gms		
				2015 07 17	

DESIGNED BY	SEB	CHECKED BY	gms
DRAWN BY	JPL	APPROVED BY	gms
HDR. SCALE	N.T.S.	RELEASED FOR CONSTRUCTION	-
VERTICAL	N.T.S.		

ENGINEER'S SEAL

15/10/02

E04

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

FORT ROUGE OUTFALL CHAMBER UPGRADES
FORT ROUGE
ELECTRICAL
CONTROL PANEL
ELEVATION AND EQUIPMENT LIST

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0204A-E0004-001