

PANEL "AA " SCHEDULE												
		LOAD	BKR	CCT		CCT	BKR	LOAD				
LOAD DESCR.		Watt	SIZE	NO	PH	NO	SIZE	Watt	LOAD DESCR.			
SLUICE GATE ACTUATOR			30A	1	Α	2	20A	3750	TRANSFORMER TX-A			
8.75HP AC-01				3	В	4	2P	3750	7.5kVA			
GATE CHAMBER			3 P	5	С	6	15A	500	P&C PANEL			
SUBMERSIBLE PUMP			75A	7	Α	8	30A	30	TVSS (SPD)			
30HP SP-01				9	В	10		30				
PUMP CHAMBER			3 P	11	С	12	3 P	30				
SPARE			15A	13	Α	14	15A		SPARE			
				15	В	16						
			3 P	17	С	18	3 P					
DESIGNATION	'AA'	MA	AIN BKR					100				
VOLT	347/600	MA	AINS					200				
PHASE	3	Co	onnected	Load	in	kW, A						
WIRE	4	D€	emand L	oad ir	n kW	', A						
I.C (kA)	LC	CATION					P&C PANEL					
NOTES: Panel to be CSA 1		DUNTING					surface					
NOTES: Fed from 200A CSTE	NO	DTES: s	ervice	ent	rance	type p	anel					
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PANEL "A " SCHEDULE .												
	WIRE	LOAD	BKR	CCT		CCT	BKR	LOAD	WIR	E	·	
LOAD DESCR.	AWG	Watt	SIZE	NO	PH	NO	SIZE	Watt	AWC	}	LOAD DESCR.	
LTG - PUMP CHAMBER	2C#12+G	77	15	1	Α	2	15	500	2C#1	2+G	UPS - P&C PANEL	
LTG — GATE CHAMBER	2C#12+G	77	15	3	В	4	15	500	2C#1	2+G	RTU PLC INPUT/ OUTPUT	
LTG - P&C PANEL	2C#12+G	35	15	5	Α	6	15				SPARE	
SPARE			15	7	В	8	15				SPARE	
SPARE			15	9	Α	10	30A		2C#1	10+G	TVSS (SPD)	
SPARE			15	11	В	12	2 P					
											G – GFCI BREAKER	
DESIGNATION		'A'								MLO	MAIN BKR	
VOLT		120/240)							100	MAINS	
PHASE		1									Connected Load in kW, A	
WIRE		3									Demand Load in kW, A	
I.C (kA)		10							P&C	PANEL	LOCATION	
NOTES: Panel to be CSA 1								SI	urface	MOUNTING		
NOTES: Fed from Panel AA								NOTES:				

ELECTRICAL LEGEND									
SYMBOL	DISCRIPTION								
0/	SWITCH								
。)	CIRCUIT BREAKER								
	FUSE AS SHOWN								
<u></u>	TRANSFORMER								
100A	FUSED SWITCH								
E	E-STOP PB								
M	PUMP MOTOR								
F	FLOAT SWITCH								
L	LEAK SEAL								
J	JUNCTION BOX								
ST SP	START - STOP PUSH BUTTONS								
R O L	REMOTE - OFF LOCAL SWITCH								
0 S C	OPEN-STOP-CLOSE SWITCH								
E T M	ELAPSED TIME METER								
T V S S	TRANSIENT VOLTAGE SURGE SUPPRESSOR (SURGE PROTECTION DEVICE)								

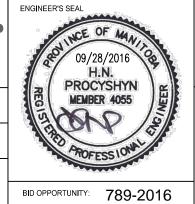
	EQUIPMENT SCHEDULE													
ITEM	DESCRIPTION	LOCATION	AMPS	VOLTS	ø	BREAKER	CONDUCTOR	CIRCUIT	DIS.	UNIT SUPPLIED & INSTALLED BY	MOTOR STARTER SUPPLIED BY	CONTROL	CONTROL WIRED AND CONNECTED BY	NOTE
SP-01	SUBMERSIBLE PUMP	CHAMBER	32.0	600	3	60A-3P	3C#4 AWG, Cu, RW90 IN 53mmøC	AA-7,9,11	100A	MECH'L	ELECTRICAL	FVNR	ELEC.	
AC-01	SLUICE GATE ACTUATOR	PUMP GATE	10.4	600	3	30A-3P	3C#10 AWG, Cu, RW90 IN 53mmøC	AA-1,3,5	30A	MECH'L	N/A	BUILT-IN	ELEC.	
RTU-1	CONTROL PANEL	WEATHER ENCLOSURE		120	1	15A-1P	2C#12AWG, Cu, RW90 IN 21mmøC	A-4		ELEC.	N/A		ELEC.	

	LUMINAIRE SCHEDULE											
TYPE	MANUFACTURER	CATALOG No.	DESCRIPTION	VOLTS	LAMP	WATTS	COLOR TEMP.					
A	COOPER	EXPLOSION PROOF LED LUMINAIRES	EXLOSIONPROOF LED LUMINAIRE. WALL MOUNTED TYPE, 36 WATTS LED. COPPER—FREE ALUMINUM WITH CORRO—FREE EPOXY POWDER COAT. GASKETTED.	120	LED	36	3500K					

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES



	G.B.N ELEV				JV	VSP	M M	MMM GROUP	1/2/	OF MANIFE
3					1600 BUFFALO PLA PHONE: 204-477-6	CE, WINNIPEG, MANITOBA CANADA 6650 FAX : 204-474-2864 WW	R3T 6B8 W.WSPGROUP.COM		# PPO	28/2016 J.N. CYSHYN
					DESIGNED BY	DG	CHECKED BY	HP		ER 4055
					DRAWN BY	DG	APPROVED BY	HP	THE PROF	FSS I ONE
					HOR. SCALE	AS NOTED			10 m	
	2	ISSUED FOR ADDENDUM 1	09/28/16	HP			RELEASED FOR CONSTRUCTION		BID OPPORTUNITY:	789-2016
	1	ISSUED FOR TENDER	09/07/16	HP	VERTICAL	AS NOTED				103-2010
	NO.	REVISIONS	DATE	BY	DATE 2016	6/09/07	DATE		PLOT DATE:	2016/09/07





THE CITY OF WINNIPEG Winnipèg WATER AND WASTE DEPARTMENT

OUTFALL GATE CHAMBER UPGRADES **RUBY STREET** SRS OUTFALL GATE CHAMBER

5516047 - E04 34 16 ELECTRICAL SINGLE LINE DIAGRAM, PANEL SCHEDULE, CITY DRAWING NUMBER LD-7937

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