



			PANEL	"AA "	SCH	EDULE			
	l	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	ZP	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	J3P	30	
SPARE			15A	13	Α	14	15A		SPARE
				15	В	16			
			J3P	17	С	18	3 P		
DESIGNATION	'AA'	MA	IN BKR					100	
VOLT	347/600	MA	INS					200	
PHASE	3	Со	nnected	Load	l in	kW, A			
WIRE	4	De	mand L	oad ii	n kW	′, A			
I.C (kA)	25	LO	CATION					P&C P	ANEL
NOTES: Panel to be CSA 1		MC	UNTING					surface	
NOTES: Fed from 200A CSTE		NO	TES: s	service	ent	rance	type p	anel	

			PANEL	_ " A '	"SC	HEDUL	.E				
	WIRE	LOAD	BKR	CCT		CCT	BKR	LOAD	WIR	E	
LOAD DESCR.	AWG	Watt	SIZE	NO	PH	NO	SIZE	Watt	AWG	}	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 A	A via Tx. A										NOTES:

ELEC	TRICAL LEGEND
SYMBOL	DISCRIPTION
	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)

						Е	QUIPMENT SC	HEDUL	E					
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.				J -V	VSP	MM MM	им GROUP	ENGINEER'S S
					CE, WINNIPEG, MANITOBA CANADA 6650 FAX : 204-474-2864 WW			
				DESIGNED BY	DG	CHECKED BY	HP	S S S S S S S S S S S S S S S S S S S
				DRAWN BY	DG	APPROVED BY	HP	A FEBRUARY
		20/27/10		HOR. SCALE	AS NOTED AS NOTED	RELEASED FOR CONSTRUCTION		BID OPPORTU
NO.	ISSUED FOR TENDER REVISIONS	09/07/16 DATE	HP BY		6/09/07	DATE		PLOT DATE:



2016/09/07



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

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

	CONSTIL	FANT DDAWIN	IC NI IMBED							
	consultant drawing number 5516047 - E04									
	SHEET		OF							
Ε,		16	34							
∟,	CITY DRAWING NUMBER									
	LD-7937									