

 SNC-LAVALIN	INSTRUMENT LIST		Document Code	632354-0000-48EL-0002
			Revision	00
Client City of Winnipeg				
Project Cockburn Flood and Wastewater Pumping Station - 2016 Upgrades				
Package / Area				
Prepared By	Name	Signature	Date	
	B. Cleven		5/5/2016	
Checked By	Name	Signature	Date	
Approved By	Name	Signature	Date	
Notes / Comments				

Revisions					
Rev	Description	Date	By	Checked	Approved
00	Issued for Tender, Bid Op. 331-2016	2016-05-09	B. Cleven	F. Ataei	I. Parkinson

Rev	Tag	Description	New / Existing	Plan Drawing	P&ID Drawing	Schem / Loop Drawing	Mounting	Supplied Under Form B Line Item	Notes
00	LIT-L500-A	Sanitary Wet Well Level Transmitter (DP Cell)	Existing	1-0127A-E0006	-	1-0127L-A0006	Wall	-	
00	LT-F500	Flood Wet Well Level Transmitter (DP Cell)	Existing	-	-	1-0127F-A0005	Wall	-	
00	HSS-F010-1	Flood Pump P-F01 Emergency Stop PB	New	1-0127A-E0005	-	1-0127F-E0001	Wall	6 - Automation	Locate next to motor
00	HSS-F010-2	Flood Pump P-F01 Emergency Stop PB	New	1-0127A-E0006	-	1-0127F-E0001	Wall	6 - Automation	Locate next to pump
00	HSS-F020-1	Flood Pump P-F02 Emergency Stop PB	New	1-0127A-E0005	-	1-0127F-E0003	Wall	6 - Automation	Locate next to motor
00	HSS-F020-2	Flood Pump P-F02 Emergency Stop PB	New	1-0127A-E0006	-	1-0127F-E0003	Wall	6 - Automation	Locate next to pump
00	HSS-F030-1	Flood Pump P-F03 Emergency Stop PB	New	1-0127A-E0005	-	1-0127F-E0005	Wall	6 - Automation	Locate next to motor
00	HSS-F030-2	Flood Pump P-F03 Emergency Stop PB	New	1-0127A-E0006	-	1-0127F-E0005	Wall	6 - Automation	Locate next to pump
00	HSS-L010-2	Sanitary Lift Pump P-L01 Emergency Stop PB	New	1-0127A-E0007	-	1-0127L-E0001	Wall	6 - Automation	Locate next to motor
00	HSS-L010-3	Sanitary Lift Pump P-L01 Emergency Stop PB	New	1-0127A-E0006	-	1-0127L-E0001	Wall	6 - Automation	Locate next to pump
00	HSS-L020-2	Sanitary Lift Pump P-L02 Emergency Stop PB	New	1-0127A-E0007	-	1-0127L-E0002	Wall	6 - Automation	Locate next to motor
00	HSS-L020-3	Sanitary Lift Pump P-L02 Emergency Stop PB	New	1-0127A-E0006	-	1-0127L-E0002	Wall	6 - Automation	Locate next to pump
00	FIT-L101	Sanitary Lift Pumps P-L01 and P-L02 Discharge Flowmeter	New	1-0127A-E0006	-	1-0127L-A0008	Pipe	6 - Automation	
00	LSH-L500	Sanitary Wet Well Hi Level Switch	New	-	-	1-0127L-A0001	Suspended	-	
00	LSH-L523	Sanitary Station Flood Switch	Existing	1-0127A-E0006	-	1-0127L-A0002	Suspended	-	
00	PSL-L524	Sanitary Instrument Air Low Pressure Switch	Existing	-	-	1-0127L-A0003	Wall	-	
00	TSL-L525	Sanitary Low Temp Switch	New	1-0127A-E0006	-	1-0127L-A0004	Wall	6 - Automation	
00	PSL-F526	Seal Water Low Pressure Switch	Existing	1-0127A-E0006	-	1-0127F-A0001	Pipe	-	
00	LSH-F500	Flood Station Wet Well Hi Level Switch	New	-	-	1-0127F-A0002	Suspended	-	
00	PSL-F524	Flood Station Instrument Air Low Pressure Switch	Existing	-	-	1-0127F-A0003	Wall	-	
00	LSH-S529	Weir Overflow Switch	Existing	-	-	1-0127S-A0001	Suspended	-	
00	ESL-A721	600V Voltage Status Relay	New	-	-	1-0127A-A0017	Panel	5 - Electrical	Integral to MCC-A72
00	ESL-A528	120V Voltage Status Relay	New	-	-	1-0127A-A0003	Panel	6 - Automation	Integral to CP-A81
00	TS-F622	Main Floor High/Low Temperature Switch	New	1-0127A-M0002	1-0127A-P0001	1-0127F-A0004	Wall	6 - Automation	Dual High/Low Temperature Switch
00	TSH-F621	Main Floor High Temp Switch	New	1-0127A-M0002	1-0127A-P0001	1-0127F-E0007	Wall	6 - Automation	Cooling Fan SF-F62 Control
00	TS-A653	Electrical Room High/Low Temp Switch	New	1-0127A-M0002	1-0127A-P0001	1-0127A-A0018	Wall	6 - Automation	Dual High/Low Temperature Switch
00	TSH-A652	Electrical Room High Temp Switch	New	1-0127A-M0002	1-0127A-P0001	1-0127A-A0030	Wall	6 - Automation	Supply Fan SF-A65 Hi-Rate Control
00	LSH-L481	Comminutor Chamber Flood Switch	Existing	-	-	1-0127L-A0005	Suspended	-	
00	PDSH-A610	Supply Fan Air Filter Plugged Switch	New	-	1-0127A-P0001	1-0127A-A0021	Duct	6 - Automation	
00	FSL-F011	Flood Pump P-F01 Seal Water Flow Switch	New	1-0127A-E0006	-	1-0127F-A0006	Pipe	6 - Automation	
00	FSL-F021	Flood Pump P-F02 Seal Water Flow Switch	New	1-0127A-E0006	-	1-0127F-A0007	Pipe	6 - Automation	
00	FSL-F031	Flood Pump P-F03 Seal Water Flow Switch	New	1-0127A-E0006	-	1-0127F-A0008	Pipe	6 - Automation	
00	XV-F011	Flood Pump P-F01 Seal Water Solenoid Valve	New	1-0127A-E0006	-	1-0127F-A0006	Pipe	6 - Automation	
00	XV-F021	Flood Pump P-F02 Seal Water Solenoid Valve	New	1-0127A-E0006	-	1-0127F-A0007	Pipe	6 - Automation	
00	XV-F031	Flood Pump P-F03 Seal Water Solenoid Valve	New	1-0127A-E0006	-	1-0127F-A0008	Pipe	6 - Automation	
00	TSH-A701	Service Transformer XFMR-A70 High Temp Switch	New	-	-	1-0127A-A0031		5 - Electrical	Supplied with XFMR-A70
00	LSL-A702	Service Transformer XFMR-A70 Low Oil Level Switch	New	-	-	1-0127A-A0032		5 - Electrical	Supplied with XFMR-A70
00	PDT-A601	Differential Pressure Transmitter	New	-	1-0127A-P0001	1-0127A-A0028			
00	XV-A601-2	Intake Air Damper Actuator	New	1-0127A-M0002	1-0127A-P0001	1-0127A-A0026	Damper	6 - Automation	Modulating, 24 VAC power supply, 0 - 10 VDC
00	XV-A601-3	Return Air Damper Actuator	New	1-0127A-M0002	1-0127A-P0001	1-0127A-A0026	Damper	6 - Automation	Modulating, 24 VAC power supply, 0 - 10 VDC
00	XV-A601-1	Exhaust Air Damper Actuator	New	1-0127A-M0002	1-0127A-P0001	1-0127A-A0026	Damper	6 - Automation	Modulating, 24 VAC power supply, 0 - 10 VDC
00	XV-F621-1	Flood Motor Cooling Fan Intake Air Damper Actuator	New	1-0127A-M0002	1-0127A-P0001	1-0127F-E0007	Damper	6 - Automation	On/Off control, 120 VAC power supply.
00	XV-F621-2	Flood Motor Cooling Fan Exhaust Air Damper Actuator	New	1-0127A-M0002	1-0127A-P0001	1-0127F-E0007	Damper	6 - Automation	On/Off control, 120 VAC power supply.
00	XV-A651-1	Electrical Room Intake Air Damper Actuator	New	1-0127A-M0002	1-0127A-P0001	1-0127A-A0030	Damper	6 - Automation	On/Off control, 120 VAC power supply.
00	PDIC-A601	Room Pressure Controller	New	-	1-0127A-P0001	-	Wall	6 - Automation	
00	TIC-A610	Discharge Air Temperature Controller	New	-	1-0127A-P0001	-	Wall	6 - Automation	
00	TSL-A603	Unit Heaters UH-A63 and UH-A64 Thermostat	New	1-0127A-M0002	1-0127A-P0001	-	Wall	4- Mechanical	Supplied with Unit Heaters
00	TSL-A651	Unit Heater UH-A65 Thermostat	New	1-0127A-M0002	1-0127A-P0001	-	Wall	4- Mechanical	Supplied with Unit Heater
00	TE-A611	Duct Temperature Sensor	New	1-0127A-M0001	1-0127A-P0001	1-0127A-A0026	Duct	6 - Automation	

Notes:

- The specific item indicated in the "Supplied Under Form B Line Item" column is a suggestion only. The Contractor may divide the supply of the instruments between subtrades as required.