

Conway Lift Station 2024 Upgrades
177-2024
Instrument List
2/12/2024

Status	Tag Name	Instrument Description	Location	Specification	PID Drawing	Loop Diagram	Comments
Existing (to remain)	LI-S661 (CON-S-661-LI)	CSO Level Display Upstream of Weir 1	Main Floor	-	-	1-0131L-A0045	Located on existing CSO Panel
Existing (to remain)	LI-S662 (CON-S-662-LI)	CSO Level Display Upstream of Weir 2	Main Floor	-	-	1-0131L-A0045	Located on existing CSO Panel
Existing (to remain)	LI-S951 (CON-S-951-LI)	CSO Level Display Downstream of Flap Gate	Main Floor	-	-	1-0131L-A0045	Located on existing CSO Panel
Existing (to remain)	LT-S661 (CON-S-661-LIT)	CSO Level Transmitter Upstream of Weir 1	(Field)	-	-	1-0131L-A0045	
Existing (to remain)	LT-S662 (CON-S-662-LIT)	CSO Level Transmitter Upstream of Weir 2	(Field)	-	-	1-0131L-A0046	
Existing (to remain)	LT-S951 (CON-S-951-LIT)	CSO Level Transmitter Downstream of Flap Gate	(Field)	-	-	1-0131L-A0046	
Existing (to remain)	ZI-S851 (CON-S-851-ZI)	CSO Flap Gate Inclination Display	Main Floor	-	-	1-0131L-A0046	Located on existing CSO Panel
Existing (to remain)	ZT-S851 (CON-S-851-LIT)	CSO Flap Gate Inclination Transmitter	(Field)	-	-	1-0131L-A0046	
Existing (to remain)	PIT-S851 (CON-S-861-PIT)	CSO Barometric Pressure Transmitter	(Field)	-	-	1-0131L-A0046	Located adjacent to existing CSO Panel
New	AE-L550-1	H2S Gas Sensor	Pump Room	25 30 02	1-0131L-P0004	1-0131L-A0022	Supplied with AIT-L550
New	AE-L550-2	H2S Gas Sensor	Comminutor Chamber	25 30 02	1-0131L-P0004	1-0131L-A0022	Supplied with AIT-L550
New	AIT-L550	H2S Gas Detector	Pump Room	25 30 02	1-0131L-P0004	1-0131L-A0022	
New	ESL-L711	600 VAC Power Fail Relay	Main Floor	26 24 19	--	1-0131L-A0042	Supplied with MCC-L71
New	ESL-L812	120 VAC Power Fail Relay	Main Floor	25 30 02	--	--	Supplied with PLC Control Panel CP-L81. See A0005.
New	FE-L012	P-L01 Discharge Flow Sensor	Motor Room	25 30 02	1-0131L-P0003	1-0131L-A0020	Supplied with FIT-L012
New	FE-L022	P-L02 Discharge Flow Sensor	Motor Room	25 30 02	1-0131L-P0003	1-0131L-A0021	Supplied with FIT-L022
New	FIT-L012	P-L01 Discharge Flow Transmitter	Motor Room	25 30 02	1-0131L-P0003	1-0131L-A0020	
New	FIT-L022	P-L02 Discharge Flow Transmitter	Motor Room	25 30 02	1-0131L-P0003	1-0131L-A0021	
New	FSL-L011	P-L01 Seal Water Flow Switch	Pump Room	25 30 02	1-0131L-P0003	1-0131L-A0030	
New	FSL-L021	P-L02 Seal Water Flow Switch	Pump Room	25 30 02	1-0131L-P0003	1-0131L-A0034	
New	FSL-L613	HVAC Supply Duct Air Proving Switch	Main Floor	25 30 02	1-0131L-P0004	1-0131L-A0026	
New	FSL-L652	HVAC Exhaust Duct Air Proving Switch	Main Floor	25 30 02	1-0131L-P0004	1-0131L-A0026	
New	FV-L601	HVAC Ventilation Supply Air Damper	Main Floor	23 33 15, 40 92 00	1-0131L-P0004	1-0131L-A0027	Modulating, 24 VAC power supply, 0 - 10 VDC
New	FV-L602	HVAC Ventilation Return Air Damper	Main Floor	23 33 15, 40 92 00	1-0131L-P0004	1-0131L-A0027	Modulating, 24 VAC power supply, 0 - 10 VDC
New	FV-L603	HVAC Ventilation Exhaust Air Damper	Main Floor	23 33 15, 40 92 00	1-0131L-P0004	1-0131L-A0027	Modulating, 24 VAC power supply, 0 - 10 VDC
New	HS-L604	Station Occupancy Switch	Main Floor	25 30 02	1-0131L-P0004	1-0131L-A0029	Part of double pole light switch
New	HS-L817	Alarm Test Mode Switch	Main Floor	26 29 03	--	--	Supplied with PLC Control Panel CP-L81. See A0007.
New	HSS-L010-1	Lift Pump P-L01 Emergency Stop	Motor Room	26 29 03	1-0131L-P0003	--	
New	HSS-L010-2	Lift Pump P-L01 Emergency Stop	Pump Room	26 29 03	1-0131L-P0003	--	
New	HSS-L020-1	Lift Pump P-L02 Emergency Stop	Motor Room	26 29 03	1-0131L-P0003	--	
New	HSS-L020-2	Lift Pump P-L02 Emergency Stop	Pump Room	26 29 03	1-0131L-P0003	--	
New	LG-L100-1	Wet Well Level Gauge 1	Pump Room	22 05 15	1-0131L-P0002	--	Extends through floor to motor room
New	LG-L100-2	Wet Well Level Gauge 2	Pump Room	22 05 15	1-0131L-P0002	--	Extends through floor to motor room
New	LIC-L100-1	Wet Well Level Controller 1	Main Floor	40 92 00	1-0131L-P0002	1-0131L-A0018	
New	LIC-L100-2	Wet Well Level Controller 2	Main Floor	40 92 00	1-0131L-P0002	1-0131L-A0019	
New	LIT-L100-1	Wet Well Level Transmitter 1	Pump Room	25 30 02	1-0131L-P0002	1-0131L-A0018	
New	LIT-L100-2	Wet Well Level Transmitter 2	Pump Room	25 30 02	1-0131L-P0002	1-0131L-A0019	
New	LSHH-L101	Wet Well High High Level Float Switch	Wet Well	25 30 02	1-0131L-P0002	1-0131L-A0023	
New	LSH-L501	Pump Room Flood Float Switch	Pump Room	25 30 02	1-0131L-P0002	1-0131L-A0024	
New	LSH-L502	Comminutor Chamber Flood Float Switch	Comminutor Chamber	25 30 02	1-0131L-P0002	1-0131L-A0025	
New	LSH-S663	CSO Weir Overflow Alarm Float Switch	CSO Weir	25 30 02	1-0131L-P0002	1-0131L-A0044	
New	PDSH-L661	HVAC Supply Air Filter Differential Pressure Switch	Main Floor	25 30 02	1-0131L-P0004	1-0131L-A0026	
New	PSL-L526	Potable Water Supply Low Pressure Switch	Motor Room	25 30 02	1-0131L-P0004	1-0131L-A0041	
New	TE-L010-1	P-L01 Motor Drive End Temperature Sensor	Motor Room	43 21 13	1-0131L-P0003	1-0131L-A0032	
New	TE-L010-2	P-L01 Pump Drive End Temperature Sensor	Pump Room	43 21 13	1-0131L-P0003	1-0131L-A0032	
New	TE-L020-1	P-L02 Motor Drive End Temperature Sensor	Motor Room	43 21 13	1-0131L-P0003	1-0131L-A0036	
New	TE-L020-2	P-L02 Pump Drive End Temperature Sensor	Pump Room	43 21 13	1-0131L-P0003	1-0131L-A0036	
New	TE-L600	HVAC Supply Duct Temperature Sensor	Main Floor	25 30 02, 40 92 00	1-0131L-P0004	1-0131L-A0028	Installed in duct downstream of duct heater
New	TIC-L600	HVAC Temperature Controller	Main Floor	40 92 00	1-0131L-P0004	--	Installed in JBA-L83
New	TSH-L011	P-L01 Motor High Temperature Switch	Motor Room	43 21 13	1-0131L-P0003	1-0131L-A0031	
New	TSH-L021	P-L02 Motor High Temperature Switch	Motor Room	43 21 13	1-0131L-P0003	1-0131L-A0035	
New	TSH-L600	Main Floor High Temperature Switch	Main Floor	25 30 02	1-0131L-P0004	1-0131L-A0029	Wired to TIC-L600 for modulation control, does not go to PLC
New	TS-L631	Pump Room Unit Heater Thermostat	Pump Room	23 82 39, 40 92 00	1-0131L-P0004	--	Supplied with UH-L63
New	TS-L641	Main Floor Heater Thermostat	Main Floor	23 82 39, 40 92 00	1-0131L-P0004	--	Supplied with UH-L64

