

## APPENDIX C – HISTORICAL DRAWINGS

The following historical drawings are available electronically by request to the Project Manager after completion of a Non-Disclosure Agreement.

<b>MacLean Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
1-0630A-P0001-001	Process & Instrumentation Diagram Legend & Details	PDF/CAD
1-0630A-P0001-002	Process & Instrumentation Diagram Legend & Details	PDF/CAD
1-0630A-P0001-003	Process & Instrumentation Diagram Legend & Details	PDF/CAD
1-0630C-P0001-001	Process & Instrumentation Diagram Chlorine Cylinder Shutoff Valves	PDF/CAD
1-0630C-P0002-001	Process & Instrumentation Diagram Chlorine System	PDF/CAD
1-0630M-A0025-001	Chlorination Emergency Isolation System Instrument Loop Diagram LC-809-XSZ Actuator	PDF/CAD
1-0630M-A0026-001	Chlorination Emergency Isolation System Instrument Loop Diagram LC-809-XSZ Manual / Automation Shutdown	PDF/CAD
1-0630M-E0001-001	Electrical Single Line Diagram, Legend and Details	PDF/CAD
1-0630M-E0002-001	Electrical Single Line Diagram - 4160V Distribution	PDF/CAD
1-0630M-E0012-001	Electrical Equipment Plan, Electrical Room	PDF/CAD
1-0630M-E0013-001	Electrical Equipment Elevation, 4160V Switchgear & 600V Switchgear/MCC	PDF/CAD
1-0630M-E0014-001	Schematic, 4160V Main Breaker Control	PDF/CAD
1-0630M-E0015-001	Three Line Diagram, 4160V Main Breaker	PDF/CAD
1-0630M-E0021-001	Electrical Single Line Diagram - Miscellaneous Distribution	PDF/CAD
1-0630M-E0022-001	Electrical Single Line Diagram - Overview	PDF/CAD
1-0630M-E0023-001	Electrical Single Line Diagram, MCC-M710	PDF/CAD
1-0630M-E0024-001	Electrical Single Line Diagram, DP-M720	PDF/CAD
1-0630M-E0025-001	Electrical Single Line Diagram, MCC-M730E Essential MCC	PDF/CAD
1-0630M-E0026-001	MCC Elevation and Details, MCC-M710	PDF/CAD
1-0630M-E0027-001	MCC Elevation and Details, MCC-M730E	PDF/CAD
1-0630M-E0028-001	MCC Schedules, MCC-M710 and MCC-M730	PDF/CAD
1-0630M-E0029-001	Panel Schedule and Details, DP-M720	PDF/CAD
1-0630M-E0031-001	Electrical Equipment Plan, Mezzanine Level	PDF/CAD
1-0630M-E0031-002	Electrical Equipment Plan, Mezzanine Level	PDF/CAD
1-0630M-E0032-001	Electrical Equipment Plan, Main Floor	PDF/CAD
1-0630M-E0033-001	Electrical Equipment Plan, Roof Level	PDF/CAD
1-0630M-E0034-001	Cable Tray Layout, Mezzanine Level	PDF/CAD
1-0630M-E0034-002	Cable Tray Layout, Mezzanine Level	PDF/CAD
1-0630M-E0034-003	Cable Tray Layout, Mezzanine Level	PDF/CAD
1-0630M-E0040-001	Conduit Riser Diagram	PDF/CAD
1-0630M-E0041-001	Grounding Plan, Mezzanine Level	PDF/CAD
1-0630M-E0041-002	Grounding Plan, Mezzanine Level	PDF/CAD
1-0630M-E0042-001	Panelboard Schedules	PDF/CAD
1-0630M-E0043-001	Panel Layout, JB-M710, JB-M720, JB-M730	PDF/CAD
1-0630M-E0044-001	Installation Details, PNL-M711	PDF/CAD
1-0630M-E0045-001	Motor Starter Schematic, AHU-M601, Pump Room Air Handling Unit	PDF/CAD

<b>MacLean Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
1-0630M-E0046-001	Motor Starter Schematic, AHU-M602, Pump Room Air Handling Unit	PDF/CAD
1-0630M-E0047-001	Motor Starter Schematic, AHU-M603, Pump Room Air Handling Unit	PDF/CAD
1-0630M-E0048-001	Motor Starter Schematic, AHU-M604, Pump Room Air Handling Unit	PDF/CAD
1-0630M-E0049-001	Motor Starter Schematic, AHU-M605, Electrical Room Air Handling Unit	PDF/CAD
1-0630M-E0050-001	Motor Starter Schematic, EF-M681, Pump Room Exhaust Fan	PDF/CAD
1-0630M-E0051-001	Motor Starter Schematic, EF-M682, Pump Room Exhaust Fan	PDF/CAD
1-0630M-E0052-001	Motor Starter Schematic, EF-M683, Pump Room Exhaust Fan	PDF/CAD
1-0630M-E0053-001	Motor Starter Schematic, EF-M684, Pump Room Exhaust Fan	PDF/CAD
1-0630M-E0054-001	Motor Starter Schematic, EF-C686, Cl <sub>2</sub> Equipment Room Exhaust Fan	PDF/CAD
1-0630M-E0055-001	Motor Starter Schematic, EF-C689, Cl <sub>2</sub> Scale Room Exhaust Fan	PDF/CAD
1-0630M-E0056-001	Motor Starter Schematic, EF-C690, Cl <sub>2</sub> Storage Room Exhaust Fan	PDF/CAD
1-0630M-E0057-001	Motor Starter Schematic, EF-C692, Cl <sub>2</sub> Storage Room Exhaust Fan	PDF/CAD
1-0630M-E0063-001	Contactorm Schematic, HCC-M609, Preheat Duct Heater, HCE-M609	PDF/CAD
1-0630M-E0064-001	Contactorm Schematic, HCC-M601, Electric Heating Coil for AHU-M601	PDF/CAD
1-0630M-E0065-001	Contactorm Schematic, HCC-M603, Electric Heating Coil for AHU-M603	PDF/CAD
1-0630M-M0026-001	HVAC Duct Plan, Mezzanine Level - North, New Work	PDF/CAD
1-0630M-M0027-001	HVAC Duct Plan, Mezzanine Level - South, Removals And New Work	PDF/CAD
1-0630M-P0013-001	Process & Instrumentation Diagram - Chilled Water System	PDF/CAD
1-0630M-P0014-001	Process & Instrumentation Diagram - Pump Room Ventilation System - AHU-M601, AHU-M602	PDF/CAD
1-0630M-P0015-001	Process & Instrumentation Diagram - Pump Room Ventilation System - AHU-M603, AHU-M604	PDF/CAD
1-0630M-P0016-001	Process & Instrumentation Diagram - Electrical Room Ventilation System - AHU-M605	PDF/CAD
D-2452	MCP Chlorine Line Pressure Switch	PDF/CAD
D-2453	MCP Chlorine Shutoff Valve	PDF/CAD
D-2454	MCP Chlorine Weigh Scale Transmitter	PDF/CAD
D-2455	MCP Chlorinator #1 Compound Loop Controller	PDF/CAD
D-2456	MCP Chlorinator Compound Loop Controller	PDF/CAD
D-2457	MCP PP Sta Cl <sub>2</sub> Residual Analyzer	PDF/CAD
D-2458	MCP PP Sta Cl <sub>2</sub> Residual Analyzer	PDF/CAD
D-5399	Mechanical Floor Plan And Details	PDF/CAD
MAC-4-1	Main Control Panel - Layout	PDF
MAC-4-2	Main Control Panel - Bill Of Materials	PDF
MAC-4-3	PLC WIRING SCHEMATIC - POWER DISTRIBUTION MCP - LINES 1000-1149	PDF

<b>MacLean Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
MAC-4-4	PLC WIRING SCHEMATIC - MCP GROUP 1, RACK 1 - LINES 1150-1299	PDF
MAC-4-5	PLC WIRING SCHEMATIC - MCP GROUP 1, RACK 2 - LINES 1300-1449	PDF
MAC-4-6	PLC WIRING SCHEMATIC - MCP GROUP 2, RACK 1 - LINES 1450-1599	PDF
MAC-4-7	PLC WIRING SCHEMATIC - MCP GROUP 2, RACK 2 - LINES 1600-1749	PDF
MAC-4-8	PLC WIRING SCHEMATIC - MCP GROUP 2, RACK 3 - LINES 1750-1899	PDF
MAC-4-9	PLC WIRING SCHEMATIC - MCP GROUP 2, RACK 4 - LINES 1900-2049	PDF
MAC-4-10	PLC Wiring Schematic - MCP Group 3, Rack 1 - Lines 2050-2199	PDF
MAC-4-11	PLC Wiring Schematic - MCP Group 3, Rack 2 - Lines 2200-2349	PDF
MAC-4-12	PLC Wiring Schematic - MCP Group 3 Rack 3 - Lines 2350-2499	PDF
MAC-4-13	PLC Wiring Schematic - MCP Group 3, Rack 4 - Lines 2500-2649	PDF
Q-McL-23	Chlorination Wiring	PDF
ME-2	Valve Location Drawing No 1	PDF
ME-3	Valve Location Drawing No 2	PDF
ME-8	Contract A - Pumping Station - Site & Location Plan	PDF
ME-9	Contract A – Pumping Station Structural – Plan Above Elevation 740.00 Sheet I	PDF
ME-10	Contract A - Pumping Station Structural - Plant Above Elevation 740.00 Sheet II	PDF
ME-11	Contract A - Pumping Station Structural - Plant Above Elevation 750.00 Sheet I	PDF
ME-12	Contract A - Pumping Station Structural - Plant Above Elevation 750.00 Sheet II	PDF
ME-13	Contract A - Pumping Station Structural - Plant Above Elevation 762.00 Sheet I	PDF
ME-14	Contract A - Pumping Station Structural - Plant Above Elevation 762.00 Sheet II	PDF
ME-15	Contract A - Pumping Station Structural - Sections Sheet I	PDF
ME-16	Contract A – Pumping Station Structural – Sections Sheet II	PDF
ME-17	Contract A – Pumping Station Structural Steel	PDF
ME-19	Contract A - Pumping Station Superstructure – Plan Above Elevations 740.00 and 750.00	PDF
ME-20	Contract A - Pumping Station Superstructure – Plan Above Elevation 762.00 and Roof Plan	PDF
ME-21	Contract A - Pumping Station Superstructure - Wall Sections	PDF
ME-22	Contract A - Pumping Station Superstructure Sections And Details	PDF
ME-23	Contract A - Pumping Station Superstructure Schedules And Details	PDF
ME-24	Contract A - Pumping Station Mechanical - Plan Above Elevations 730.00 740.00 & 750.00	PDF

<b>MacLean Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
ME-25	Contract A - Pumping Station Mechanical - Plan Above Elevation 740.00 and Section	PDF
ME-26	Contract A - Pumping Station Mechanical - Sections	PDF
ME-27	Contract A - Pumping Station Mechanical - Plan Above Elevaton 762.00 and Sections	PDF
ME-32	Contract A - Pumping Station Heating and Ventilation Plans Above Elevations 740.00 and 750.00	PDF
ME-33	Contract A - Pumping Station Heating and Ventilation Plan Above Elevation 762.00 and Sections	PDF
ME-34	Contract A - Pumping Station Heating And Ventilating Flow And Control Diagrams	PDF
ME-46	Contract A - Pumping Station Yard Piping Plans and Profile	PDF
ME-57	Yard Piping Plan And Profiles	PDF
ME-259	Conceptual Design Chlorination System Piping Schematic, PD98-001	PDF

<b>McPhillips Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
1-0640A-P0001-001	Process & Instrumentation Diagram - Legend & Details - Sheet 1 of 3	PDF/CAD
1-0640A-P0001-002	Process & Instrumentation Diagram - Legend & Details - Sheet 2 of 3	PDF/CAD
1-0640A-P0001-003	Process & Instrumentation Diagram - Legend & Details - Sheet 3 of 3	PDF/CAD
<i>1-0640C-E0001-001</i>	<i>Electrical Single Line Diagram, Chlorine Building</i>	<i>PDF/CAD</i>
<i>1-0640C-E0003-001</i>	<i>Equipment Single Line Diagram, Chlorine Building, MCC-C710/ MCC-C720E</i>	<i>PDF/CAD</i>
<i>1-0640C-E0004-001</i>	<i>Electrical Panel Layout, Chlorine Building, MCC-C710/ MCC-C720E Layout and Schedule</i>	<i>PDF/CAD</i>
<i>1-0650C-E0005-001</i>	<i>Electrical Panel Layout, Chlorine Building, MCC-C710/ MCC-C720E Location Plan - Gallery Level</i>	<i>PDF/CAD</i>
<i>1-0640C-E0006-001</i>	<i>Panelboard Schedules, Chlorine Building, PNL-C711 and PNL C731E</i>	<i>PDF/CAD</i>
<i>1-0640C-E0007-001</i>	<i>Electrical Equipment Plan, Chlorine Building</i>	<i>PDF/CAD</i>
<i>1-0640C-E0008-001</i>	<i>Electrical Lighting Plan, Chlorine Building, Ground Level and Service Tunnels</i>	<i>PDF/CAD</i>
<i>1-0640C-E0010-001</i>	<i>Electrical Fire Alarm Plan, Chlorine Building, Ground Level and Service Tunnels</i>	<i>PDF/CAD</i>
<i>1-0640C-E0011-001</i>	<i>Electrical Grounding Details, Chlorine Building</i>	<i>PDF/CAD</i>
<i>1-0640C-A0001-001</i>	<i>Loop Diagram, MCC-C720E Voltage Present, ESL-C7201</i>	<i>PDF/CAD</i>
<i>1-0640C-A0002-001</i>	<i>Loop Diagram, MCC-C710 Voltage Present, ESL-C7101</i>	<i>PDF/CAD</i>
MCP-073	Chlorine Building Site and Location Plan and General Details	PDF
MCP-074	Chlorine Building Structural-Plan and Sections	PDF
MCP-075	Chlorine Building Structural-Structural Steel and Gallery Details	PDF
MCP-076	Chlorine Building Structural Renovations and Details	PDF
MCP-077	Chlorine Building Architectural-Plans and Sections	PDF
MCP-078	Chlorine Building Architectural-Elevations	PDF
MCP-079	Chlorine Building Architectural Room and Door Schedules Details	PDF
MCP-080	Chlorine Building Architectural-Renovations	PDF
MCP-081	Chlorine Building Mechanical-Plan and Sections	PDF
MCP-082	Chlorine Building Mechanical - Schematics and Details	PDF
MCP-083	Chlorine Building Mechanical - Heating Ventilating and Plumbing	PDF
D-2200	MCP Chlorine Shutoff Valve	PDF
D-2210	MCP Chlorinator Compound Loop Controller	PDF
D-2211	MCP Chlorinator Compound Loop Controller	PDF
D-2222	MCP PP Sta Cl2 Residual Analyzer	PDF
D-2223	MCP PP Sta Cl2 Residual Analyzer	PDF
D-2224	MCP Chlorine Weigh Scale Transmitter	PDF
D-2225	MCP Chlorine Line Pressure Switch	PDF
MCPH-4-1	Main Control Panel - Layout	PDF
MCPH-4-2	Main Control Panel - Bill of Materials	PDF
MCPH-4-3	PLC Wiring Schematic - Power Distribution MCP - Lines 1000-1149	PDF

<b>McPhillips Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
MCPH-4-4	PLC Wiring Schematic - Power Distribution MCP - Lines 1150-1299	PDF
MCPH -4-5	PLC Wiring Schematic - MCP Group 1, Rack 2 - Lines 1300-1449	
MCPH -4-6	PLC Wiring Schematic - MCP Group 2, Rack 1 - Lines 1450-1599	
MCPH -4-7	PLC Wiring Schematic - MCP Group 2, Rack 2 - Lines 1600-1749	
MCPH -4-8	PLC Wiring Schematic - MCP Group 2, Rack 3 - Lines 1750-1899	
MCPH -4-9	PLC Wiring Schematic - MCP Group 2, Rack 4 - Lines 1900-2049	
MCPH -4-10	PLC Wiring Schematic - MCP Group 3, Rack 1 - Lines 2050-2199	
MCPH -4-11	PLC Wiring Schematic - MCP Group 3, Rack 2 - Lines 2200-2349	
MCPH -4-12	PLC Wiring Schematic - MCP Group 3 Rack 3 - Lines 2350-2499	

<b>Hurst Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
1-0650A-C0001-001	<i>Municipal Site Plan</i>	PDF/CAD
1-0650A-C0002-001	<i>Grading Plan</i>	PDF/CAD
1-0650A-C0003-001	<i>Hurst Pumping Station – Sensitive Infrastructure Protection Plan</i>	PDF/CAD
1-0650A-E0001-001	<i>Electrical Legend</i>	
1-0650A-E0003-001	<i>Electrical Partial Site Plan</i>	
1-0650A-P0001-001	Process & Instrumentation Diagram - Legend & Details - Sheet 1 of 3	PDF/CAD
1-0650A-P0001-002	Process & Instrumentation Diagram - Legend & Details - Sheet 2 of 3	PDF/CAD
1-0650A-P0001-003	Process & Instrumentation Diagram - Legend & Details - Sheet 3 of 3	PDF/CAD
1-0650C-S0001-001	<i>Structural Pump Station Chlorine Room Egress Partial Plan, Sections and Details</i>	PDF/CAD
1-0650M-A0025-001	Chlorine Emergency Isolation System - HC-809-XCZ Actuators - Instrument Loop Diagram	PDF/CAD
1-0650M-A0026-001	Chlorine Emergency Isolation System - HC-809-XCZ Manual / Automatic Shutdown - Instrument Loop Diagram	PDF/CAD
1-0650M-E0001-001	Electrical Single Line Diagram - Legend & Details	PDF/CAD
1-0650M-E0002-001	Electrical Single Line Diagram - 4160V Distribution	PDF/CAD
1-0650M-E0003-001	<i>Electrical Single Line Diagram – 600V Distribution</i>	PDF/CAD
1-0650M-E0011-001	UPS Upgrades Single Line Diagram & Layout Removals & Installations	PDF/CAD
1-0650M-E0013-001	4160V Switchgear & 600V CDP/MCC	PDF/CAD
1-0650M-E0014-001	Electrical Equipment Plan Electrical Room	PDF/CAD
1-0650M-E0015-001	Single Line Diagram PNL-AA and Chiller	PDF/CAD
1-0650M-E0016-001	Single Line Diagram PNL-BB	PDF/CAD
1-0650M-E0018-001	<i>Single Line Diagram PNL-EE</i>	PDF/CAD
1-0650M-E0023-001	<i>Electrical Pump Station Main and Pump Level Power Plan</i>	PDF/CAD
1-0650M-E0024-001	<i>Electrical Pump Station Roof Power Plan</i>	PDF/CAD
1-0650M-M0001-001	<i>Mechanical Pump Station Pump Floor Plumbing Plan</i>	PDF/CAD
1-0650M-M0002-001	<i>Mechanical Pump Station Mezzanine Plumbing Plan</i>	PDF/CAD
1-0650M-M0003-001	<i>Mechanical Pump Station Roof Plumbing Plan</i>	PDF/CAD
1-0650M-M0005-001	<i>Mechanical Pump Station Roof HVAC Plan</i>	PDF/CAD
1-0650M-M0006-001	<i>Mechanical Pump Station Details (1 of 2)</i>	PDF/CAD
1-0650M-M0006-002	<i>Mechanical Pump Station Details (2 of 2)</i>	PDF/CAD
1-0650M-P0015-001	Process & Instrumentation Diagram - Chlorination System	PDF/CAD
1-0650M-P0024-001	Chlorine Emergency Isolation System - Process & Instrumentation Diagram - Chlorine Cylinder Shutoff Valves	PDF/CAD
1-0650M-S0001-001	<i>Structural Legends &amp; General Notes</i>	PDF/CAD
1-0650M-S0003-001	<i>Structural Pump Station Roofing Plan and Details</i>	PDF/CAD
1-0650M-S0004-001	<i>Structural Pump Station Roofing Sections and Details</i>	PDF/CAD
1-0650M-S0005-001	<i>Structural Pump Station Crawlspace Modifications Partial Plan and Sections</i>	PDF/CAD
1-0650M-S0006-001	<i>Structural Pump Station Crawlspace Modifications Sections and Details</i>	PDF/CAD
WH5622-2	Large Scale Site Plan	PDF
WH5622-3	Floor Plans & Schedules	PDF
WH5622-4	Building Elevations	PDF

<b>Hurst Regional Pumping Station</b>		
<b>Drawing No.</b>	<b>Title</b>	<b>File Type</b>
WH5622-5	Building Sections	PDF
WH5622-6	Wall Sections	PDF
WH5622-9	Main Floor Framing	PDF
WH5622-10	Reinforced Concrete Details	PDF
WH5622-11	Roof Framing Plan	PDF
WH5622-12	Beam Schedule & Reflecting Pool Details	PDF
WH5622-14	Lower Level Plumbing & Ventilation	PDF
WH5622-15	Upper Level Plumbing & Ventilation	PDF
WH5622-18	Site Plan Showing Pipe Layout	PDF
HUR-4-1	Main Control Panel - Layout	PDF
HUR-4-2	Main Control Panel - Bill of Materials	PDF
HUR-4-3	PLC Wiring Schematic - Power Distribution MCP - Lines 1000-1149	PDF
HUR-4-4	PLC Wiring Schematic - Power Distribution MCP - Lines 1150-1299	PDF
HUR-4-5	PLC Wiring Schematic - MCP Group 1, Rack 1 - Lines 1150-1299	PDF
HUR-4-6	PLC Wiring Schematic - MCP Group 1, Rack 2 - Lines 1300-1449	PDF
HUR-4-7	PLC Wiring Schematic - MCP Group 2, Rack 1 - Lines 1450-1599	PDF
HUR-4-8	PLC Wiring Schematic - MCP Group 2, Rack 2 - Lines 1600-1749	PDF
HUR-4-9	PLC Wiring Schematic - MCP Group 2, Rack 3 - Lines 1750-1899	PDF
HUR-4-10	PLC Wiring Schematic - MCP Group 2, Rack 4 - Lines 1900-2049	PDF
HUR-4-11	PLC Wiring Schematic - MCP Group 3, Rack 1 - Lines 2050-2199	PDF
HUR-4-12	PLC Wiring Schematic - MCP Group 3, Rack 2 - Lines 2200-2349	PDF
HUR-4-13	PLC Wiring Schematic - MCP Group 3 Rack 3 - Lines 2350-2499	PDF
D-2650	MCP Chlorine System #1 Shutdown	PDF
D-2651	MCP Chlorine System #2 Shutdown	PDF
D-2652	MCP Chlorine Weigh Scale	PDF
D-2653	MCP Chlorinator Compound Loop Controller	PDF
D-2654	MCP Chlorinator Compound Loop Controller	PDF
D-2655	MCP Cl <sub>2</sub> Residual Analyzer	PDF
D-2656	MCP Cl <sub>2</sub> Residual Analyzer	PDF