THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

BANNATYNE FLOOD PUMPING STATION

2023 UPGRADES

DRAWING INDEX

GENERAL:

1-0118F-D0001-001 COVER SHEET
1-0118F-D0002-001 DRAWING INDEX

MECHANICAL:

1-0118F-M0001-001 MECHANICAL PLAN LAYOUT – MAIN FLOOR AND DRY WELL – DEMOLITION
1-0118F-M0002-001 MECHANICAL PLAN LAYOUT – MAIN FLOOR AND DRY WELL – NEW WORK
1-0118F-M0003-001 MECHANICAL SCHEDULES – NEW WORK
1-0118F-M0004-001 MECHANICAL PLAN LAYOUT – MAIN FLOOR AND DRY WELL – PIPE REPLACEMENT
1-0118F-M0005-001 MECHANICAL SECTIONS AND DETAILS – MAIN FLOOR AND DRY WELL – NEW WORK

STRUCTURAL:

1-0118F-S0001-001 STRUCTURAL MODIFICATIONS – PLANS AND ELEVATIONS – DEMOLITION
1-0118F-S0002-001 STRUCTURAL MODIFICATIONS – PLANS, ELEVATION AND NOTES
1-0118F-S0003-001 DRY WELL ACCESS – UPPER LADDER AND GUARDRAIL ASSEMBLY – PLAN, ELEVATIONS AND DETAILS
1-0118F-S0004-001 DRY WELL ACCESS – LADDER AND WALKWAY – PLAN, ELEVATIONS AND DETAILS
1-0118F-S0005-001 MAIN FLOOR – HATCH GUARDRAILS – PLAN, ELEVATIONS AND DETAILS
1-0118F-S0006-001 MAIN FLOOR – MCC HOUSEKEEPING PADS – PLAN, ELEVATIONS, DETAIL AND NOTES

ELECTRICAL:

1-0118F-E0002-001 SINGLE LINE DIAGRAM – DEMOLITION
1-0118F-E0003-001 ELECTRICAL PLAN LAYOUT – MAIN FLOOR AND EXTERIOR – DEMOLITION
1-0118F-E0004-001 ELECTRICAL PLAN LAYOUT – DRY WELL AREA – DEMOLITION
1-0118F-E0005-001 ELECTRICAL SINGLE LINE DIAGRAM
1-0118F-E0006-001 ELECTRICAL PLAN LAYOUT – MAIN FLOOR AND EXTERIOR
1-0118F-E0007-001 ELECTRICAL PLAN LAYOUT – WET WELL AND DRY WELL AREA
1-0118F-E0008-001 HAZARDOUS LOCATION PLAN – MAIN FLOOR, WET WELL AND DRY WELL
1-0118F-E0009-001 GROUNDING INSTALLATION – DETAILS
1-0118F-E0010-001 ELEVATION AND DETAILS – MCC-F71 AND MCC-F72
1-0118F-E0011-001 CSTE ELEVATION AND DETAILS – CSTE-F70
1-0118F-E0012-001 ELECTRICAL SCHEDULES – PANEL PNL-F73, LUMINAIRE AND EMERGENCY LIGHTING
1-0118F-E0013-001 MOTOR STARTER SCHEMATIC – FLOOD PUMP – P-F01
1-0118F-E0014-001 CONNECTION DIAGRAM – FLOOD PUMP – P-F01
1-0118F-E0015-001 MOTOR STARTER SCHEMATIC – FLOOD PUMP – P-F02
1-0118F-E0016-001 CONNECTION DIAGRAM – FLOOD PUMP – P-F02
1-0118F-E0017-001 MOTOR STARTER SCHEMATIC – FLOOD PUMP – P-F03
1-0118F-E0018-001 CONNECTION DIAGRAM – FLOOD PUMP – P-F03
1-0118F-E0019-001 MOTOR STARTER SCHEMATIC – FLOOD PUMP – P-F04
1-0118F-E0020-001 CONNECTION DIAGRAM – FLOOD PUMP – P-F04
1-0118F-E0021-001 MOTOR STARTER SCHEMATIC AND CONNECTION DIAGRAM – MAIN FLOOR SUPPLY FAN – SF-F62
1-0118F-E0022-001 PANEL LAYOUT – JB-F74 – TEMPORARY GENERATOR CONNECTION

AUTOMATION:

1-0118F-A0001-001 AUTOMATION PLAN LAYOUT – MAIN FLOOR, LOWER LEVEL AND CHAMBER AREAS
1-0118F-A0002-001 PANEL LAYOUT & BILL OF MATERIAL – PLC CONTROL PANEL CP-F81
1-0118F-A0002-002 PANEL LAYOUT & BILL OF MATERIAL – PLC CONTROL PANEL CP-F81
1-0118F-A0003-001 NETWORK BLOCK DIAGRAM – PLC CONTROL PANEL CP-F81
1-0118F-A0004-001 POWER DISTRIBUTION SCHEMATIC – PLC CONTROL PANEL CP-F81
1-0118F-A0005-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – DISCRETE INPUTS RACK 00, MODULE 04
1-0118F-A0006-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – DISCRETE INPUTS RACK 00, MODULE 05
1-0118F-A0007-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – DISCRETE INPUTS RACK 00, MODULE 06
1-0118F-A0008-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – DISCRETE OUTPUTS RACK 00, MODULE 07
1-0118F-A0009-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – ANALOG INPUTS RACK 00, MODULE 09
1-0118F-A0010-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – ANALOG INPUTS RACK 00, MODULE 10
1-0118F-A0011-001 PLC I/O WIRING DIAGRAM – PLC CONTROL PANEL CP-F81 – ANALOG INPUTS RACK 00, MODULE 11
1-0118F-A0012-001 PLC MODE & LOCAL MODE CONTROL SCHEMATIC – PLC CONTROL PANEL CP-F81 – PUMP CONTROL & PLC STATUS
1-0118F-A0013-001 PANEL LAYOUT & BILL OF MATERIAL – JBA-F82, ANTENNA ENCLOSURE
1-0118F-A0014-001 PANEL LAYOUT & BILL OF MATERIAL – HVAC VENTILATION CONTROL PANEL – JBA-F83
1-0118F-A0015-001 POWER DISTRIBUTION SCHEMATIC – HVAC VENTILATION CONTROL PANEL – JBA-F83
1-0118F-A0016-001 LOOP DIAGRAM – WET WELL LEVEL TRANSMITTER – LIC-F100, LE-F100, YAF-F100 AND LSH-F100
1-0118F-A0017-001 LOOP DIAGRAM – WET WELL HIGH HIGH LEVEL – LSHH-F101
1-0118F-A0018-001 LOOP DIAGRAM – DRY WELL LEVEL SWITCH – LSH-F501
1-0118F-A0019-001 LOOP DIAGRAM – MCC-F71 TVSS ALARM – XS-F711
1-0118F-A0020-001 LOOP DIAGRAM – MCC-F72 600 VOLT POWER STATUS – ESL-F721
1-0118F-A0021-001 LOOP DIAGRAM – MAIN FLOOR TEMPERATURE TRANSMITTER – TT-F691
1-0118F-A0022-001 LOOP DIAGRAM – DRY WELL TEMPERATURE TRANSMITTER – TT-F692
1-0118F-A0023-001 LOOP DIAGRAM – SEAL WATER SUPPLY LOSS – PSL-F526
1-0118F-A0024-001 LOOP DIAGRAM – STATION OCCUPANCY SWITCH – HS-F600
1-0118F-A0025-001 LOOP DIAGRAM – CSO PANEL – LT-S651, LT-S751, LIT-S951, ZTS851
1-0118F-A0025-002 LOOP DIAGRAM – CSO PANEL – LT-S651, LT-S751, LIT-S951, ZTS851
1-0118F-A0026-001 LOOP DIAGRAM – WEIR MANHOLE OVERFLOW SWITCH – LSH-S529
1-0118F-A0027-001 LOOP DIAGRAM – MAIN SUPPLY FAN AIR FILTER PLUGGED SWITCH – PDSH-F611
1-0118F-A0028-001 LOOP DIAGRAM – MAIN FLOOR HCE-F63 DUCT HEATER – TY-F630 AND TE-F631
1-0118F-A0029-001 LOOP DIAGRAM – MAIN FLOOR RECIRCULATION DAMPER CONTROL – FV-F601, FV-F602 AND FV-F603
1-0118F-A0030-001 LOOP DIAGRAM – P-F01 AND P-F02 LOW SEAL WATER ALARM – FSL-F011, FSL-F021
1-0118F-A0031-001 LOOP DIAGRAM – P-F03 AND P-F04 LOW SEAL WATER ALARM – FSL-F031, FSL-F041

1-0118-A-A0201-001 CSO OUTFALL MONITORING – BANNATYNE AVENUE – ELECTRICAL SITE PLAN – CABLE TRENCHING
1-0118-A-A0203-001 CSO OUTFALL MONITORING – BANNATYNE AVENUE – TERMINATION PANEL LAYOUT – INSTRUMENT LIST, CABLE LIST
1-0118-A-A0204-001 CSO OUTFALL MONITORING – BANNATYNE AVENUE – ELECTRICAL ROOM LAYOUT – LOOP WIRING DIAGRAMS

M006 FLOOD ACTIVITY/EMERGENCY MANUAL – BANNATYNE FPS ISOMETRIC

PROCESS AND INSTRUMENTATION:

1-0118F-P0001-001 PROCESS AND INSTRUMENTATION DIAGRAM – HVAC SYSTEM
1-0118F-P0002-001 PROCESS AND INSTRUMENTATION DIAGRAM – FLOOD PUMPING
1-0118F-P0002-002 PROCESS AND INSTRUMENTATION DIAGRAM – FLOOD PUMPING

SNC·LAVALIN

00 ISSUED FOR CONSTRUCTION			2023/02/--
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0118F-D0002	001	00	A1

1-0118F-D0002-001.dwg

A1 SIZE - 594 x 841 mm

LAST SAVE: 2023/03/03 - 10:35am
PATH: \\Winpdc1\proj$\691232\4ENG\40ENG\DD - General DWG\1-0118F-D0002-001.dwg