# THE CITY OF WINNIPEG

## WATER AND WASTE DEPARTMENT

# COMMUNITY ROW WASTEWATER PUMPING STATION 2017 UPGRADES

DRAWING INDEX

### SITE PLAN - TEMPORARY BYPASS PIPING SITE PLAN - CIVIL WORKS ARCHITECTURAL BUILDING REMOVALS - EXTERIOR PLAN AND ELEVATIONS

PUMPHOUSE - EXTERIOR - PLAN & ELEVATIONS PUMPHOUSE - PLAN AND ELEVATIONS SECTIONS AND DETAILS SECTIONS AND ELEVATIONS, AIR HANDLING UNIT AHU-L65 1-0130L-B0005-001

### STRUCTURAL

1-0130L-S0001-001 NOTES - SHEET 1 1-0130L-S0002-001 NOTES - SHEET 2 1-0130L-S0003-001 BUILDING ADDITION FOUNDATION — PLANS 1-0130L-S0004-001 BUILDING ADDITION FOUNDATION — SECTIONS 1-0130L-S0005-001 BUILDING ADDITION FOUNDATION — DETAILS 1-0130L-S0006-001 BUILDING ADDITION WALL - PLAN AND ELEVATIONS 1-0130L-S0007-001 BUILDING ADDITION WALL — DETAILS MOTOR ROOM FLOOR REINFORCING — PLAN AND SECTIONS 1-0130L-S0008-001 1-0130L-S0009-001 PUMP ROOM LEVEL - NEW WORK AND REPAIRS - PLAN, ELEVATIONS AND DETAILS

#### MECHANICAL

1-0130L-M0001-001 PLAN - MECHANICAL - MAIN FLOOR, MOTOR ROOM & PUMP ROOM - DEMOLITION 1-0130L-M0002-001 SECTION - MECHANICAL - MOTOR ROOM & PUMP ROOM - DEMOLITION 1-0130L-M0003-001 PLAN - MECHANICAL - MOTOR ROOM & PUMP ROOM - NEW WORK 1-0130L-M0004-001 SECTION - MECHANICAL - MOTOR ROOM & PUMP ROOM - NEW WORK 1-0130L-M0005-001 DETAILS - MECHANICAL - MOTOR ROOM - NEW WORK - PIPE SUPPORTS 1-0130L-M0006-001 PLAN - MECHANICAL - UTILITIES - MAIN FLOOR, MOTOR ROOM & PUMP ROOM - NEW WORK 1-0130L-M0007-001 SECTIONS - MECHANICAL - UTILITIES - MOTOR ROOM & PUMP ROOM - NEW WORK 1-0130L-M0008-001 DETAILS - WETWELL SIGHT GLASS 1-0130L-M0009-001 PLAN & SECTIONS — MECHANICAL — NATURAL GAS & EXHAUST — MAIN FLOOR — NEW WORK 1-0130L-M0010-001 MAIN FLOOR PLAN - HVAC - REMOVALS 1-0130L-M0011-001 MAIN FLOOR PLAN - HVAC - NEW WORK 1-0130L-M0012-001 SECTIONS - HVAC 1-0130L-M0013-001 PLAN, SECTIONS & SCHEDULES - HVAC

PROCESS PROCESS & INSTRUMENTATION DIAGRAM — WASTEWATER PUMPING PROCESS & INSTRUMENTATION DIAGRAM — WASTEWATER PUMPING PROCESS & INSTRUMENTATION DIAGRAM - HVAC & MISCELLANEOUS

ELECTRICAL SINGLE LINE DIAGRAM

#### ELECTRICAL

1-0130L-E0017-001

SITE PLAN - ELECTRICAL SERVICE EQUIPMENT LAYOUT ELECTRICAL AND LIGHTING PLAN LAYOUT - MAIN FLOOR - DEMOLITION 1-0130L-E0004-001 ELECTRICAL AND LIGHTING PLAN LAYOUT - MAIN FLOOR - NEW WORK 1-0130L-E0005-001 ELECTRICAL AND LIGHTING PLAN LAYOUT - MOTOR ROOM - DEMOLITION AND NEW WORK 1-0130L-E0006-001 ELECTRICAL AND LIGHTING PLAN LAYOUT - PUMP ROOM FLOOR PLAN - DEMOLITION AND NEW WORK 1-0130L-E0007-001 HAZARDOUS AND WET LOCATION PLAN 1-0130L-E0008-001 ELECTRICAL SCHEDULES 1-0130L-E0009-001 MCC ELEVATION AND DETAILS - MCC-L72E 1-0130L-E0010-001 ELECTRICAL DETAILS 1-0130L-E0011-001 MOTOR STARTER SCHEMATIC - VFD-L01 - WASTEWATER LIFT PUMP P-L01 1-0130L-E0012-001 CONNECTION DIAGRAM - VFD-L01 - WASTEWATER LIFT PUMP P-L01 1-0130L-E0013-001 MOTOR STARTER SCHEMATIC - VFD-LO2 - WASTEWATER LIFT PUMP P-LO2 1-0130L-E0014-001 CONNECTION DIAGRAM - VFD-L02 - WASTEWATER LIFT PUMP P-L02 1-0130L-E0015-001 MOTOR STARTER SCHEMATIC - VFD-L03 - WASTEWATER LIFT PUMP P-L03 1-0130L-E0016-001 CONNECTION DIAGRAM - VFD-L03 - WASTEWATER LIFT PUMP P-L03

CONNECTION DIAGRAM — AUTOMATIC TRANSFER SWITCH ATS-L72

AUTOMATION

1-0130L-A0001-002

1-0130L-A0010-001

1-0130L-A0003-001 1-0130L-A0003-002 1-0130L-A0003-003 1-0130L-A0006-001 IO WIRING DIAGRAMS - CONTROL PANEL CP-L81 - ANALOG OUTPUTS 1-0130L-A0007-001 NETWORK DIAGRAM - CONTROL PANEL CP-L81 1-0130L-A0008-001 PANEL LAYOUT - VENTILATION PANEL JBA-L86 1-0130L-A0009-001 POWER DISTRIBUTION - VENTILATION PANEL JBA-L86

PANEL LAYOUT - CONTROL PANEL CP-L81

1-0130L-A0013-001 LOOP DIAGRAM - WET WELL HIGH LEVEL SWITCH - LSH-L500 LOOP DIAGRAM - WET WELL LEVEL TRANSMITTERS AND LEVEL CONTROLLER -1-0130L-A0014-001 LIT-L500-A, LIT-L500-B, LIC-L500 1-0130L-A0016-001 LOOP DIAGRAM - STATION FLOOD LEVEL SWITCH - LSH-L523 1-0130L-A0017-001 LOOP DIAGRAM - 600V POWER FAIL - ESL-L721

JUNCTION BOX LAYOUT - JBA-L83 - INTRINSICALLY SAFE BARRIER PANEL

1-0130L-A0018-001 LOOP DIAGRAM - GENERATOR TRANSFER SWITCH - ATS-L72 1-0130L-A0019-001 LOOP DIAGRAM - TRANSIENT VOLTAGE SURGE SUPPRESSOR - XS-L711 LOOP DIAGRAM - PUMP P-LO1 FLOW TRANSMITTER - FIT-LO11 1-0130L-A0020-001 1-0130L-A0021-001 LOOP DIAGRAM - PUMP P-LO1 FLOW TRANSMITTER - FIT-LO21 1-0130L-A0022-001 LOOP DIAGRAM - PUMP P-LO1 FLOW TRANSMITTER - FIT-LO31 1-0130L-A0023-001 LOOP DIAGRAM - SEAL WATER FLOW SWITCHES - FSL-L012, FSL-L022, FSL-L032

LOOP DIAGRAM - DOWNSTREAM INTERCEPTOR HIGH LEVEL SWITCH - LSH-S950 1-0130L-A0024-001 1-0130L-A0025-001 LOOP DIAGRAM - GENERATOR - GEN-L72 RUNNING AND ALARM STATUS 1-0130L-A0026-001 LOOP DIAGRAM - OCCUPANCY SWITCHES - HS-L600-A, HS-L600-B 1-0130L-A0027-001 LOOP DIAGRAM - HVAC DAMPERS AND SUPPLY FAN - FV-L621, FV-L622, FV-L623, SF-L62

1-0130L-A0028-001 LOOP DIAGRAM - DUCT TEMPERATURE SENSOR AND DUCT HEATER - TE-L631. 1-0130L-A0029-001 LOOP DIAGRAM - MAIN FLOOR TEMP., PUMP ROOM LOW TEMP. SWITCH -

TT-L601, TSL-L602 LOOP DIAGRAM - GENERATOR COOLING DAMPERS - TV-L662-A, TV-L662-B, 1-0130L-A0030-001

TV-L663, TV-L664 1-0130L-A0031-001 LOOP DIAGRAM - GENERATOR ROOM TEMPERATURE SENSOR - TE-L665 1-0130L-A0032-001 LOOP DIAGRAM - GENERATOR COMBUSTION AIR DAMPER - XV-L661 1-0130L-A0033-001 LOOP DIAGRAM - GAS DETECTOR ALARM AND FAULT - AIT-L550

1-0130L-A0034-001 LOOP DIAGRAM - SUPPLY FAN AIR FILTER PLUGGED SWITCH - PDSH-L611

**SNC-LAVALIN** 

001 | 00 | A1