

CITY DRAWING NUMBER	SHEET	DESCRIPTION
1-0102A-A0001	001	P&ID, LEGEND AND DETAILS
1-0102A-A0001	002	P&ID, LEGEND AND DETAILS
1-0102A-A0001	003	P&ID, LEGEND AND DETAILS
1-0102A-B0001	001	FACILITY FLOOR PLAN, LOWER LEVEL
1-0102A-B0002	001	FACILITY FLOOR PLAN, MAIN LEVEL
1-0102A-E0008	001	INSTALLATION DETAIL, TYPICAL FLOOR PENETRATION REQUIREMENTS
1-0102A-M0008	001	PLAN VIEW, FIRE DAMPER UPGRADES, KEY PLAN
1-0102A-S0001	001	PLAN AND SECTIONS, TYPICAL HOUSEKEEPING PAD
1-0102B-A0013	001	P&ID, INSTRUMENT AIR HEADER
1-0102B-A0024	001	P&ID, MISCELLANEOUS
1-0102B-A0030	001	INSTRUMENT LOOP DIAGRAM, BOILER ROOM FLOOD LEVEL, B580-LT
1-0102B-A0031	001	PANEL LAYOUT, JUNCTION BOXES, JBA-B580, JBP-B580
1-0102B-E0006	001	PLAN LAYOUT, SERVICE BUILDING ELECTRICAL AND GENERATOR ROOM
1-0102B-E0012	001	PLAN LAYOUT, BOILER ROOM
1-0102B-E0013	001	MOTOR SCHEMATIC, B580-SMP FLOOD PUMP
1-0102B-M0001	001	PLAN VIEW, FIRE DAMPER UPGRADES, SERVICE BUILDING MECHANICAL ROOM
1-0102B-M0002	001	PLAN VIEW, FIRE DAMPER UPGRADES, WORKSHOP
1-0102B-M0003	001	PLAN VIEW, FIRE DAMPER UPGRADES, BOILER ROOM
1-0102B-M0004	001	PLAN VIEW, BOILER ROOM SUMP PUMPS, FLOOD UPGRADES
1-0102B-S0001	001	GENERAL NOTES
1-0102B-S0002	001	PLAN, SECTION AND DETAIL, BOILER ROOM BACKUP SUMP PIT
1-0102B-S0003	001	PLAN, ELEVATIONS AND DETAILS, PIPE RACK OVER SUMP PITS
1-0102G-A0021	001	P&ID, HOT WATER BOOSTER PUMPS, G671-HWP & G672-HWP
1-0102G-A0022	001	P&ID, GLYCOL HEAT RECOVERY, G670-GP
1-0102G-A0026	001	P&ID, ELECTRICAL ROOM AND BLOWER ROOM COOLING UNIT, G682-AHU - DEMOLITION
1-0102G-A0026	001	P&ID, ELECTRICAL ROOM AND BLOWER ROOM COOLING UNIT, G682-AHU
1-0102G-A0051	001	JUNCTION BOX LAYOUT, JBA-GDC-G1
1-0102G-A0058	001	INSTRUMENT LOOP DIAGRAM, G501 WET WELL GAS ALARM & G607 VENT. FAILURE
1-0102G-A0065	001	INSTRUMENT LOOP DIAGRAM, VENTILATION INTERLOCK, LOOP G500
1-0102G-A0071	001	P&ID, GAS DETECTION
1-0102G-A0085	001	PANEL LAYOUT, FDP-G FRONT VIEW
1-0102G-A0086	001	PANEL LAYOUT, FDP-G REAR VIEW
1-0102G-A0087	001	NETWORK BLOCK DIAGRAM, GRIT BUILDING PROCESS NETWORK
1-0102G-A0090	001	INSTRUMENT LOOP DIAGRAM, G606-HS, G606-YL-1, G606-YL-2
1-0102G-A0093	001	P&ID, WET WELL VENTILATION
1-0102G-A0094	001	P&ID, WET WELL UPPER LEVEL AHU, G601-SF
1-0102G-A0095	001	P&ID, WET WELL SUPPLY AND EXHAUST FANS, G602-SF, G686-EF, G687-EF
1-0102G-A0096	001	P&ID, ELECTRICAL ROOM EXHAUST FAN, G692-EF
1-0102G-A0097	001	INSTRUMENT PLAN, WET WELL MECHANICAL ROOM - G129
1-0102G-A0098	001	INSTRUMENT PLAN, WET WELL AND FOYER
1-0102G-A0099	001	INSTRUMENT PLAN, DRY WELL MECHANICAL ROOM - G130, WEST SIDE
1-0102G-A0100	001	PANEL LAYOUT, LCP-G1
1-0102G-A0101	001	POWER DISTRIBUTION SCHEMATIC, LCP-G1
1-0102G-A0101	002	POWER DISTRIBUTION SCHEMATIC, LCP-G1
1-0102G-A0102	001	WIRING DIAGRAM, LCP-G1 DISCRETE INPUTS
1-0102G-A0102	002	WIRING DIAGRAM, LCP-G1 DISCRETE INPUTS
1-0102G-A0103	001	WIRING DIAGRAM, LCP-G1 DISCRETE OUTPUTS
1-0102G-A0104	001	WIRING DIAGRAM, LCP-G1 ANALOG INPUTS
1-0102G-A0105	001	WIRING DIAGRAM, LCP-G1 ANALOG OUTPUTS
1-0102G-A0106	001	TERMINAL LAYOUT, LCP-G1 MISCELLANEOUS
1-0102G-A0107	001	PANEL LAYOUT, LCP-G2
1-0102G-A0108	001	POWER DISTRIBUTION SCHEMATIC, LCP-G2
1-0102G-A0108	002	POWER DISTRIBUTION SCHEMATIC, LCP-G2
1-0102G-A0109	001	WIRING DIAGRAM, LCP-G2 DISCRETE INPUTS
1-0102G-A0110	001	WIRING DIAGRAM, LCP-G2 DISCRETE OUTPUTS
1-0102G-A0111	001	WIRING DIAGRAM, LCP-G2 ANALOG INPUTS
1-0102G-A0112	001	WIRING DIAGRAM, LCP-G2 ANALOG OUTPUTS
1-0102G-A0113	001	TERMINAL LAYOUT, LCP-G2 MISCELLANEOUS

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1-0102G-A0114	001	INSTRUMENT LOOP DIAGRAM, G601-FT, WET WELL UPPER LEVEL SUPPLY AIR FLOW
1-0102G-A0115	001	INSTRUMENT LOOP DIAGRAM, G602-FT, WET WELL LOWER LEVEL AIR FLOW
1-0102G-A0116	001	INSTRUMENT LOOP DIAGRAM, G603-TT-1, G603-TT-2, G603-TV, FLUSHING WATER HEAT RECOVERY
1-0102G-A0117	001	INSTRUMENT LOOP DIAGRAM, G604-TV, HOT WATER HEAT
1-0102G-A0118	001	INSTRUMENT LOOP DIAGRAM, G601-PDS, G603-FSL, G604-FSL
1-0102G-A0119	001	INSTRUMENT LOOP DIAGRAM, G608-PDT, WET WELL DIFFERENTIAL PRESSURE
1-0102G-A0120	001	INSTRUMENT LOOP DIAGRAM, G682-TT-1, G682-TT-2, G682-TT-3
1-0102G-A0121	001	INSTRUMENT LOOP DIAGRAM, G682-FV-1, G682-FV-2, G682-PV-3, G682-AHU INTAKE, RETURN, AND RELIEF DAMPERS
1-0102G-A0122	001	INSTRUMENT LOOP DIAGRAM, G682-TV-1, G682-TV-4, G682-AHU HEATING CONTROL
1-0102G-A0123	001	INSTRUMENT LOOP DIAGRAM, G682-TV-2, G682-AHU COOLING CONTROL
1-0102G-A0124	001	INSTRUMENT LOOP DIAGRAM, G682-PDT
1-0102G-A0125	001	INSTRUMENT LOOP DIAGRAM, G682-FSL
1-0102G-A0126	001	INSTRUMENT LOOP DIAGRAM, G692-TT
1-0102G-A0127	001	PANEL LAYOUT, JUNCTION BOXES
1-0102G-A0128	001	INSTALLATION DETAILS
1-0102G-E0007	001	PLAN LAYOUT, GRIT BUILDING ELECTRICAL ROOM
1-0102G-E0011	001	PANEL SCHEDULES, GRIT BUILDING ELECTRICAL ROOM,
1-0102G-E0013	001	ELECTRICAL CLASSIFICATION PLAN, GRIT BUILDING LOWER LEVEL
1-0102G-E0014	001	ELECTRICAL CLASSIFICATION PLAN, GRIT BUILDING MAIN LEVEL AND STANDBY GEN BUILDING
1-0102G-E0015	001	ELECTRICAL CLASSIFICATION PLAN, WET WELL AND FOYER
1-0102G-E0016	001	ELECTRICAL CLASSIFICATION PLAN, GRIT BUILDING UPPER LEVEL
1-0102G-E0036	001	MOTOR SCHEMATIC, G601-SF FAN
1-0102G-E0036	002	MOTOR SCHEMATIC, G601-SF FAN
1-0102G-E0037	001	MOTOR SCHEMATIC, G602-FN FAN
1-0102G-E0037	002	MOTOR SCHEMATIC, G602-FN FAN
1-0102G-E0038	001	MOTOR SCHEMATIC, G687-EF FAN
1-0102G-E0038	002	MOTOR SCHEMATIC, G687-EF FAN
1-0102G-E0039	001	MOTOR SCHEMATIC, G686-EF FAN
1-0102G-E0040	001	MOTOR SCHEMATIC, G603-GP GLYCOL PUMP
1-0102G-E0041	001	MOTOR SCHEMATIC, G604-GP GLYCOL PUMP
1-0102G-E0042	001	MOTOR SCHEMATIC, G692-FN FAN
1-0102G-E0043	001	MOTOR SCHEMATIC, G682-AHU AIR HANDLING UNIT
1-0102G-E0044	001	CABLE TRAY ROUTING, GRIT BUILDING, MOTOR ROOM
1-0102G-E0045	001	CABLE TRAY ROUTING, GRIT BUILDING, MECHANICAL ROOMS
1-0102G-E0046	001	PANEL LAYOUT, VFD-G601
1-0102G-E0047	001	PANEL LAYOUT, VFD-G602
1-0102G-E0048	001	PANEL LAYOUT, VFD-G687
1-0102G-M0007	001	PLAN VIEW, FIRE DAMPER UPGRADES, DRYWELL MECHANICAL ROOM
1-0102G-M0008	001	HVAC PLAN AND SECTIONS, WET WELL VENTILATION
1-0102G-M0009	001	HVAC DUCTING PLAN, WET WELL VENTILATION
1-0102G-M0010	001	HVAC DUCTING SECTION, WET WELL VENTILATION
1-0102G-M0011	001	SCHEDULE AND DETAILS, WET WELL VENTILATION
1-0102G-M0012	001	HVAC PLAN LAYOUT, GRIT BUILDING BLOWER AND ELECTRICAL ROOMS
1-0102G-M0013	001	INSTALLATION DETAILS, WET WELL VENTILATION
1-0102G-M0014	001	DEMOLITION PLAN, WET WELL VENTILATION
1-0102G-M0015	001	PLAN AND SECTIONS, WET WELL EXHAUST STACK
1-0102G-M0028	001	SECTIONS AND DETAILS, WET WELL VENTILATION
1-0102G-S0017	001	MECHANICAL OPENING AND DETAILS, GRIT BUILDING MOTOR ROOM
1-0102G-S0018	001	MECHANICAL OPENING AND DETAILS, WET WELL MECHANICAL ROOM
1-0102G-S0019	001	PLAN AND DETAILS, GRIT TANK ROOM FALL RESTRAINTS
1-0102G-S0020	001	PLAN AND DETAILS, GRIT TANK ROOM PENTHOUSE, G686-EF ROOF STACK SUPPORTS
1-0102G-S0020	002	PLAN AND DETAILS, GRIT TANK ROOM PENTHOUSE, G686-EF ROOF STACK SUPPORTS
1-0102S-M0001	001	PLAN VIEW, FIRE DAMPER UPGRADES, VENTILATION AND ELECTRICAL ROOM
SEP-829	001	MCC SECTION, MCC-1G
SEP-830	001	MCC SECTION, MCC-2G
SEP-908	001	MCC SECTION, MCC-2B
SEP-2117	001	INSTRUMENT LOOP DIAGRAM, G682-AHU
SEP-2118	001	INSTRUMENT LOOP DIAGRAM, G682-AHU
SEP-2124	001	INSTRUMENT LOOP DIAGRAM, G686-EF FAN
SEP-2125	001	INSTRUMENT LOOP DIAGRAM, G687-EF FAN

DRAWING NUMBER	REFERENCE DRAWINGS
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NO.	ISSUED FOR TENDER, BID OPP. 545-2012	2012/10/19	TMC	CJR
REVISIONS		DATE	DESIGN	CHECK

**SNC-LAVALIN INC.**  
 148 Nature Park Way  
 Winnipeg, MB, Canada R3P 0X7  
 204-786-8080

DESIGNED BY: I. CHURCH  
 CHECKED BY: C. REIMER

DRAWN BY: MJP  
 APPROVED BY: C. REIMER

SCALE: NTS  
 RELEASED FOR CONSTRUCTION BY: N. HARRINGTON

DATE: 2012/07/13  
 DATE: 2012/10/25

CONSULTANT NO.: 112577-0116-40DD-0002

ENGINEER'S SEAL

FOR REFERENCE ONLY

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE  
 VENTILATION AND MISC. UPGRADES  
 DRAWING INDEX

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102A-D0002	001	00	A1