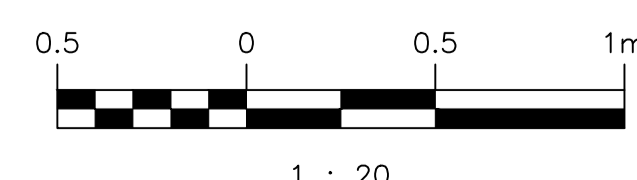


MAIN FLOOR PLAN
 SCALE: 1 : 20

- LEGEND:**
- EXISTING
 - NEW WORK
 - CO CARBON MONOXIDE DETECTOR
 - EMERGENCY LIGHTING BATTERY BANK
 - ELB-L74 BATTERY BANK IDENTIFIER
 - L73E-1 PANELBOARD CIRCUIT
 - EMERGENCY LIGHTING REMOTE FIXTURE
 - ELB-L74 SOURCE BATTERY BANK

NOTES:
 1. NOT ALL HVAC EQUIPMENT IS SHOWN. REFER TO MECHANICAL HVAC DRAWINGS.



CONSTRUCTION NOTES:

- 1 PROVIDE AND INSTALL NEW SERVICE ENTRANCE RATED SWITCHGEAR, SGR-L71.
- 2 PROVIDE AND INSTALL NEW MOTOR CONTROL CENTRE, MCC-L72E.
- 3 PROVIDE AND INSTALL NEW CUSTOMER SERVICE TERMINATION ENCLOSURE, CSTE-L70. REFER TO DRAWING 1-0130L-E0002 FOR SERVICE EQUIPMENT LOCATIONS.
- 4 PROVIDE AND INSTALL NEW LED OUTDOOR LIGHT FIXTURE. PROVIDE NEW WALL PENETRATION, CONDUIT, AND CABLING.
- 5 PROVIDE AND INSTALL NEW 2x32W FLUORESCENT LUMINAIRE. LOCATIONS SHOWN ARE APPROXIMATE, ADJUST TO SUITE FIELD CONDITIONS.
- 6 PROVIDE AND INSTALL NEW DUPLEX RECEPTACLES AS SHOWN. ALL RECEPTACLES TO BE WEATHER-PROOF.
- 7 PROVIDE AND INSTALL NEW EMERGENCY LIGHTING BATTERY BANK WITH THE BOTTOM OF THE ENCLOSURE NOT LESS THAN 2.0m ABOVE THE FINISHED FLOOR.
- 8 PROVIDE AND INSTALL NEW EMERGENCY LIGHTING REMOTE FIXTURE WITH THE BOTTOM OF THE FIXTURE NOT LESS THAN 2.0m ABOVE THE FINISHED FLOOR.
- 9 PROVIDE AND INSTALL NEW 120/208V PANELBOARD, PNL-L73E.
- 10 PROVIDE AND INSTALL NEW 600V/120/208V TRANSFORMER, XFMR-L73E, C/W NON-COMBUSTIBLE INSULATING BOARD BEHIND THE TRANSFORMER EXTENDING 300MM ABOVE AND ON ALL SIDES.
- 11 PROVIDE AND INSTALL NEW CONTROL PANEL, CP-L81.
- 12 PROVIDE AND INSTALL NEW 200KW, 600V, STANDBY NATURAL GAS GENERATOR, GEN-L72.
- 13 PROVIDE AND INSTALL NEW TRANSFER SWITCH, ATS-L72.
- 14 PROVIDE AND INSTALL NEW VENTILATION PANEL, JBA-L86.
- 15 PROVIDE AND INSTALL NEW HVAC CONTROLLERS, UIC-L600 AND TIC-L660.
- 16 PROVIDE AND INSTALL NEW UNIT HEATER.
- 17 PROVIDE AND INSTALL NEW METHANE GAS DETECTOR. MOUNT SENSOR ON CEILING ABOVE NATURAL GAS PIPING.
- 18 PROVIDE AND INSTALL NEW TELEPHONE N.I.D. AND TELEPHONE CABLING. CONNECT TO THE CONTROL PANEL (CP-L81) AND GROUND THE N.I.D..
- 19 PROVIDE AND INSTALL NEW CEILING-MOUNTED CARBON MONOXIDE DETECTOR.
- 20 PROVIDE POWER AND CONTROL CABLING FOR NEW AIR HANDLING UNIT AHU-L65.
- 21 PROVIDE LEVEL SWITCH FOR WET WELL IN MANHOLE. ROUTE CABLE THROUGH TRENCH FROM WET WELL MANHOLE TO THE STATION. CORE-DRILL THROUGH MANHOLE.
- 22 PROVIDE LEVEL SWITCH IN DOWNSTREAM INTERCEPTOR. UTILIZE DIRECTIONAL DRILLING METHOD TO PROVIDE DIRECT BURIED CABLE BETWEEN SPECIAL MANHOLE AND PUMPING STATION. PROVIDE 8-PAIR ARMOURD C/C CABLE (6 PAIRS ARE SPARE).
- 23 PROVIDE AND INSTALL NEW VARIABLE FREQUENCY DRIVES.
- 24 PROVIDE AND INSTALL NEW MANUAL MOTOR STARTER FOR SUPPLY FAN SF-L62, AND ASSOCIATED JUNCTION BOX FOR ISL-620.
- 25 PROVIDE AND INSTALL NEW INTERCOM AND CONNECT TO INTERCOM IN PUMP ROOM.

DRAWING NUMBER	REFERENCE DRAWINGS
----------------	--------------------

01	REVISED INSTALLATION METHOD FOR LSH-S950	2017-08-09	BJC	TMC
00	ISSUED FOR TENDER, BID OPP. 639-2017	2017-07-25	BJC	TMC
NO.	REVISIONS	DATE	DESIGN	CHECK

SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080	
DESIGNED BY: B. CLEVEN	CHECKED BY: T. CHURCH
DRAWN BY: Y. KONIG	APPROVED BY: B. CLEVEN
SCALE: 1:20	ISSUED FOR CONSTRUCTION BY: DATE:
DATE: 2017/01/31	DATE:
CONSULTANT NO.:	

ENGINEER'S SEAL
PRELIMINARY
 NOT TO BE
 USED FOR
 CONSTRUCTION

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
COMMUNITY ROW WASTEWATER PUMPING STATION 2017 UPGRADES ELECTRICAL AND LIGHTING PLAN LAYOUT MAIN FLOOR NEW WORK	
CITY DRAWING NUMBER 1-0130L-E0004	SHEET REV. SIZE 001 01 A1