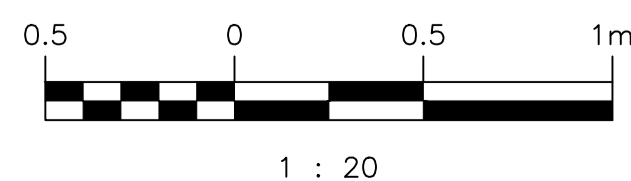


**MAIN FLOOR PLAN**  
 SCALE: 1 : 20

**LEGEND:**

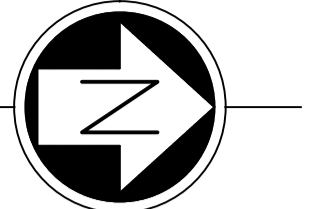
- EXISTING
- NEW WORK
- CO CARBON MONOXIDE DETECTOR
- EMERGENCY LIGHTING BATTERY BANK
- ELB-L74 BATTERY BANK IDENTIFIER
- L73E-1 PANELBOARD CIRCUIT
- EA EMERGENCY LIGHTING REMOTE FIXTURE
- ELB-L74 SOURCE BATTERY BANK

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. ROUTE CABLE THROUGH 600 WWS OVERFLOW BETWEEN INTERCEPTOR AND JUNCTION CHAMBER 'B', THEN THROUGH 900 WWS TO THE WET WELL AND INTO THE STATION VIA A DIRECT BURIED TRENCH.
- 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 |
|----------------|--------------------|

|     |                                      |            |        |       |
|-----|--------------------------------------|------------|--------|-------|
| 00  | ISSUED FOR TENDER, BID OPP. 639-2017 | 2017-07-25 | BJC    | TMC   |
| NO. | REVISIONS                            | DATE       | DESIGN | CHECK |

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

ENGINEER'S SEAL  
**PRELIMINARY**  
 NOT TO BE  
 USED FOR  
 CONSTRUCTION

|                                                                                                                            |                              |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|
| THE CITY OF WINNIPEG<br>WATER AND WASTE DEPARTMENT                                                                         |                              |
| COMMUNITY ROW WASTEWATER PUMPING STATION<br>2017 UPGRADES<br>ELECTRICAL AND LIGHTING PLAN LAYOUT<br>MAIN FLOOR<br>NEW WORK |                              |
| CITY DRAWING NUMBER<br>1-0130L-E0004                                                                                       | SHEET REV. SIZE<br>001 00 A1 |