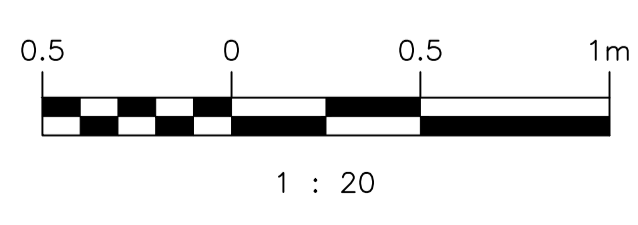


MAIN FLOOR PLAN  
SCALE: 1 : 20



CONSTRUCTION NOTES:

- 1 PROVIDE AND INSTALL NEW DIRECT BURIED SERVICE CABLE FROM CUSTOMER-OWNED POLE TO FDS-U70.
- 2 PROVIDE AND INSTALL NEW 200A FUSIBLE DISCONNECT SWITCH, FDS-U70. PROVIDE TEMPORARY LOCK AND LOCK IN THE 'ON' POSITION. COORDINATE WITH THE CITY OF WINNIPEG FOR INSTALLATION OF A PERMANENT LOCK.
- 3 PROVIDE AND INSTALL NEW UTILITY METERING SOCKET. COORDINATE WITH MANITOBA HYDRO TO DETERMINE IF EXISTING METER CAN BE RE-USED OR FOR SUPPLY AND INSTALLATION OF A NEW METER.
- 4 PROVIDE AND INSTALL NEW MOTOR CONTROL CENTRE, MCC-U71.
- 5 PROVIDE AND INSTALL NEW AUTOMATIC TRANSFER SWITCH, ATS-U72. PROVIDE U-CHANNEL SUPPORT FRAME BELOW AND BEHIND TRANSFER SWITCH.
- 6 PROVIDE AND INSTALL NEW MOTOR CONTROL CENTRE, MCC-U72E.
- 7 RELOCATE AND INSTALL EXISTING 600:120/240V TRANSFORMER, XFMR-U73E.
- 8 PROVIDE AND INSTALL NEW 120/240V PANELBOARD, PNL-U73E.
- 9 PROVIDE AND INSTALL NEW VENTILATION PANEL, JBA-U86, AND HVAC CONTROLLERS UIC-U610, TIC-U620, AND TIC-U660.
- 10 PROVIDE AND INSTALL NEW CONTROL PANEL, CP-U81.
- 11 PROVIDE AND INSTALL NEW DUPLEX RECEPTACLES AS SHOWN.
- 12 PROVIDE AND INSTALL NEW METHANE GAS SENSOR AE-U550. MOUNT SENSOR 0.5m BELOW THE CEILING.
- 13 PROVIDE AND INSTALL NEW METHANE GAS TRANSMITTER AIT-U550.
- 14 PROVIDE AND INSTALL NEW 2x32W FLUORESCENT LUMINAIRE. LOCATIONS SHOWN ARE APPROXIMATE. FIELD LOCATE TO AVOID DUCTWORK.
- 15 PROVIDE AND INSTALL NEW EMERGENCY LIGHTING BATTERY BANK WITH THE BOTTOM OF THE ENCLOSURE NOT LESS THAN 2.0m ABOVE THE FINISHED FLOOR.
- 16 PROVIDE AND INSTALL NEW EMERGENCY LIGHTING REMOTE FIXTURE WITH THE BOTTOM OF THE FIXTURE NOT LESS THAN 2.0m ABOVE THE FINISHED FLOOR.
- 17 PROVIDE AND INSTALL NEW TEMPERATURE SWITCHES.
- 18 PROVIDE AND INSTALL NEW 600V NATURAL GAS GENERATOR.
- 19 PROVIDE TWO-POLE LIGHT SWITCHES FOR CONNECTION TO THE HVAC CONTROL SYSTEM. HS-U601 FOR MAIN FLOOR OCCUPANCY CONTROL, HS-U602 FOR WET WELL OCCUPANCY CONTROL.
- 20 PROVIDE AND INSTALL NEW ULTRASONIC LEVEL SENSOR LE-U500. CORE DRILL THROUGH FLOOR, INSTALL 316L SS PIPE WITH FLANGE, AND MOUNT SENSOR TO FLANGE. CONTRACTOR TO PROVIDE DESIGN AND SHOP DRAWING FOR REVIEW.
- 21 PROVIDE AND INSTALL NEW TELEPHONE CABLING FROM THE EXISTING TELEPHONE NETWORK INTERFACE DEVICE (N.I.D.) TO CONTROL PANEL CP-U81 AND GROUND THE N.I.D..
- 22 PROVIDE AND INSTALL NEW CEILING-MOUNTED CARBON MONOXIDE DETECTOR.
- 23 PROVIDE AND INSTALL NEW PUMP LUBRICATOR OIL LEVEL SENSORS.

LEGEND:

- EXISTING
- NEW WORK
- CO CARBON MONOXIDE DETECTOR
- ELB-U74 EMERGENCY LIGHTING BATTERY BANK
- ELB-U74 BATTERY BANK IDENTIFIER
- U73E-1 PANELBOARD CIRCUIT
- EA EMERGENCY LIGHTING REMOTE FIXTURE
- ELB-U74 SOURCE BATTERY BANK

DRAWING NUMBER	REFERENCE DRAWINGS
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NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 475-2018	2018/05/09	BC	PP

 SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080	
DESIGNED BY: B. CLEVEN	CHECKED BY: P. PANUFNIK
DRAWN BY: Y. KONIG	APPROVED BY: B. CLEVEN
SCALE: 1:20	ISSUED FOR CONSTRUCTION BY:
DATE: 2017/08/14	DATE:
CONSULTANT NO.:	

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

 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
METRO ROUTE 20 UNDERPASS PUMPING STATION 2018 UPGRADES ELECTRICAL AND LIGHTING PLAN LAYOUT MAIN FLOOR NEW WORK			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0309U-E0004	001	00	A1