

MAIN FLOOR PLAN
SCALE: 1 : 20

CONSTRUCTION NOTES:

- ① PROVIDE AND INSTALL NEW SERVICE ENTRANCE RATED FUSIBLE DISCONNECT SWITCH, FDS-U70.
- ② PROVIDE AND INSTALL NEW WALL-MOUNTED UTILITY METERING TRANSFORMER ENCLOSURE UMTE-U70, AND REMOTE METER ENCLOSURE RME-U70.
- ③ PROVIDE AND INSTALL NEW MOTOR CONTROL CENTRE.
- ④ PROVIDE AND INSTALL NEW REMOTE TERMINAL UNIT (RTU) PANEL, CP-U81.
- ⑤ PROVIDE AND INSTALL NEW 2x32W FLUORESCENT LUMINAIRE. LOCATIONS SHOWN ARE APPROXIMATE. FIELD LOCATE TO AVOID DUCTWORK.
- ⑥ PROVIDE AND INSTALL NEW 600:120/208V TRANSFORMER. INSTALL NON-COMBUSTIBLE INSULATING BOARD BEHIND THE TRANSFORMER, EXTENDING 300mm AROUND THE TRANSFORMER ON ALL SIDES.
- ⑦ PROVIDE AND INSTALL NEW 120/208V PANELBOARD, PNL-U73.
- ⑧ PROVIDE AND INSTALL NEW ENGINE CONTROL PANEL CP-U83, AND ENGINE CONTROL JUNCTION BOX JBA-U83. PROVIDE UNI-STRUT FRAME TO MOUNT EQUIPMENT.
- ⑨ PROVIDE AND INSTALL NEW VENTILATION PANEL, JBA-U86, AND HVAC CONTROLLERS TIC-U600 AND TIC-U660.
- ⑩ PROVIDE AND INSTALL NEW DUPLEX RECEPTACLES AS SHOWN.
- ⑪ PROVIDE AND INSTALL NEW CEILING-MOUNTED CARBON MONOXIDE DETECTOR.
- ⑫ PROVIDE AND INSTALL NEW METHANE GAS DETECTOR. MOUNT SENSOR ON CEILING ABOVE NATURAL GAS PIPING.
- ⑬ PROVIDE AND INSTALL NEW TELEPHONE CABLING FROM THE EXISTING TELEPHONE N.I.D. TO THE RTU PANEL (CP-U81) AND GROUND THE N.I.D..
- ⑭ PROVIDE AND INSTALL NEW EMERGENCY LIGHTING BATTERY BANK WITH THE BOTTOM OF THE ENCLOSURE NOT LESS THAN 2.0m ABOVE THE FINISHED FLOOR.
- ⑮ PROVIDE AND INSTALL NEW EMERGENCY LIGHTING REMOTE FIXTURE WITH THE BOTTOM OF THE FIXTURE NOT LESS THAN 2.0m ABOVE THE FINISHED FLOOR.
- ⑯ RECONNECT EXISTING OUTDOOR LIGHT FIXTURE TO THE NEW 120/208V PANELBOARD. PROVIDE NEW CABLING.
- ⑰ PROVIDE AND INSTALL NEW EMERGENCY STOP PUSHBUTTON STATION.
- ⑱ PROVIDE AND INSTALL NEW TEMPORARY GENERATOR CONNECTION ENCLOSURE, JB-U71.
- ⑲ PROVIDE AND INSTALL NEW TEMPERATURE SWITCHES.

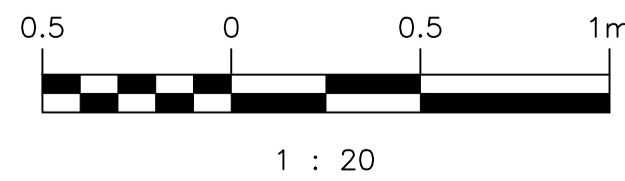
LEGEND:

- EXISTING
- NEW WORK
- CO CARBON MONOXIDE DETECTOR
- EMERGENCY LIGHTING BATTERY BANK
- ELB-U74 BATTERY BANK IDENTIFIER
- U73-1 PANELBOARD CIRCUIT
- EMERGENCY LIGHTING REMOTE FIXTURE
- ELB-U74 SOURCE BATTERY BANK

GENERAL NOTES:

- 1. NEW HVAC EQUIPMENT IS NOT SHOWN FOR CLARITY.
- 2. REFER TO DRAWING 1-0310U-M0001 AND 1-0310U-M0002 FOR HVAC EQUIPMENT LOCATIONS.

1-0310U-E0012	ELECTRICAL SCHEDULES
DRAWING NUMBER	REFERENCE DRAWINGS



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 767-2016	2016/08/23	BJC	DB

SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL
DESIGNED BY: B. CLEVEN	CHECKED BY: D. BECKER	ORIGINAL DRAWING SEALED BY: B. J. CLEVEN SNC-LAVALIN INC. MEMBER # 31479 2016-08-29 REV. 00
DRAWN BY: Y. KONIG	APPROVED BY: I. PARKINSON	
SCALE: 1:20	ISSUED FOR CONSTRUCTION BY: K. ZUREK DATE: 2016-08-29	
DATE: 2016/03/23		
CONSULTANT NO.:		

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

ROUTE 90 UNDERPASS PUMPING STATION
2016 UPGRADES
ELECTRICAL AND LIGHTING PLAN LAYOUT
MAIN FLOOR
NEW WORK

CITY DRAWING NUMBER: **1-0310U-E0005** SHEET: **001** REV.: **00** SIZE: **A1**