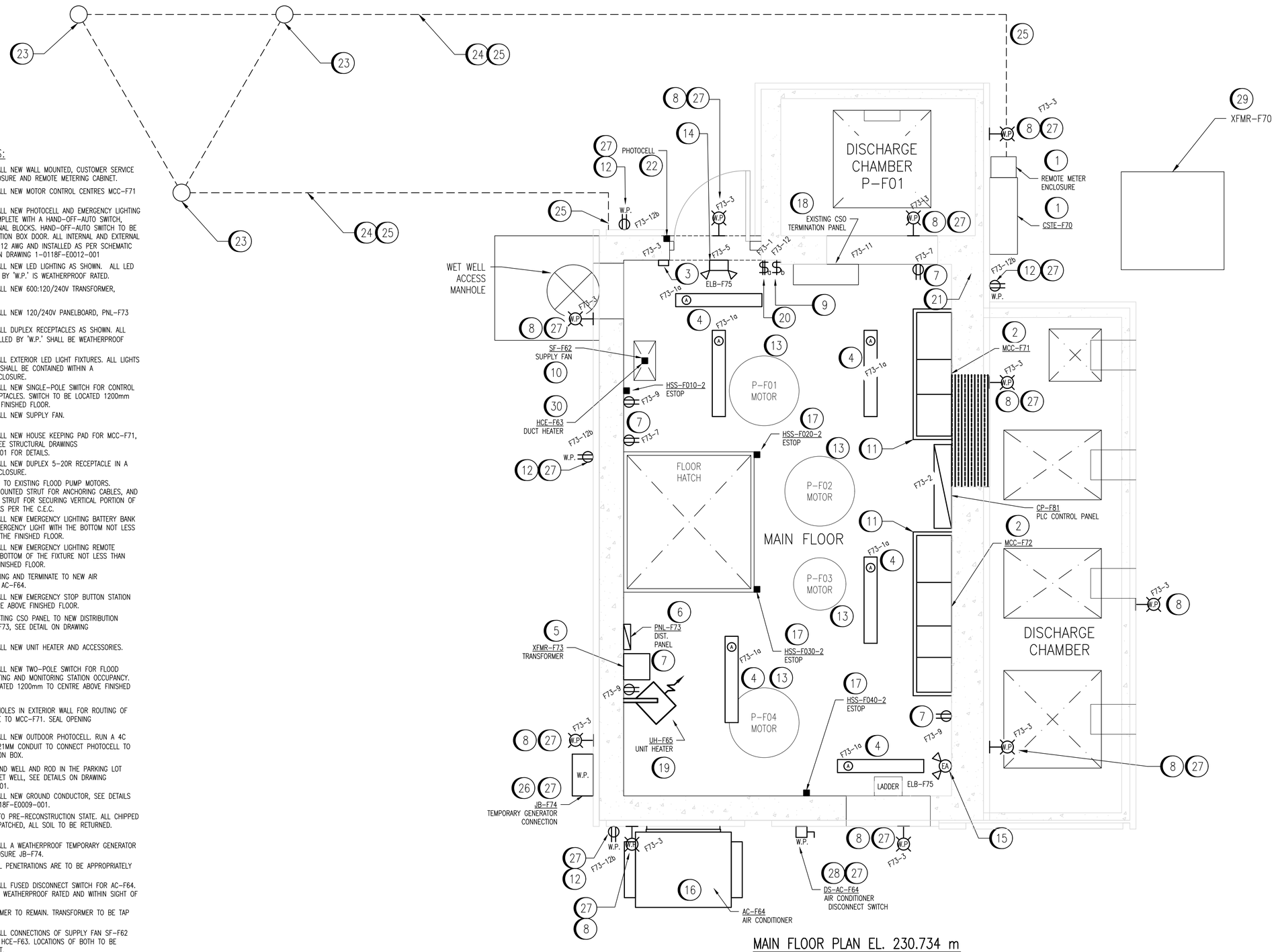
A1 SIZE – 594mm x 841mm



MAIN FLOOR PLAN EL. 230.734 m

SCALE: 1 : 30

SPECIFIC NOTES:

1. PROVIDE AND INSTALL NEW WALL MOUNTED, CUSTOMER SERVICE TERMINATION ENCLOSURE AND REMOTE METERING CABINET.
2. PROVIDE AND INSTALL NEW MOTOR CONTROL CENTRES MCC-F71 AND MCC-F72.
3. PROVIDE AND INSTALL NEW PHOTOCELL AND EMERGENCY LIGHTING JUNCTION BOX COMPLETE WITH A HAND-OFF-AUTO SWITCH, RELAYS AND TERMINAL BLOCKS. HAND-OFF-AUTO SWITCH TO BE MOUNTED ON JUNCTION BOX DOOR. ALL INTERNAL AND EXTERNAL WIRING IS TO BE #12 AWG AND INSTALLED AS PER SCHEMATIC DIAGRAM SHOWN ON DRAWING 1-0118F-E0012-001
4. PROVIDE AND INSTALL NEW LED LIGHTING AS SHOWN. ALL LED LIGHTING LABELLED BY 'W.P.' IS WEATHERPROOF RATED.
5. PROVIDE AND INSTALL NEW 600:120/240V TRANSFORMER, XFMR-F73.
6. PROVIDE AND INSTALL NEW 120/240V PANELBOARD, PNL-F73
7. PROVIDE AND INSTALL DUPLEX RECEPTACLES AS SHOWN. ALL RECEPTACLES LABELLED BY 'W.P.' SHALL BE WEATHERPROOF RATED.
8. PROVIDE AND INSTALL EXTERIOR LED LIGHT FIXTURES. ALL LIGHTS LABELLED BY W.P. SHALL BE CONTAINED WITHIN A WEATHERPROOF ENCLOSURE.
9. PROVIDE AND INSTALL NEW SINGLE-POLE SWITCH FOR CONTROL OF EXTERIOR RECEPTACLES. SWITCH TO BE LOCATED 1200mm TO CENTRE ABOVE FINISHED FLOOR.
10. PROVIDE AND INSTALL NEW SUPPLY FAN.
11. PROVIDE AND INSTALL NEW HOUSE KEEPING PAD FOR MCC-F71, AND MCC-F72. SEE STRUCTURAL DRAWINGS 1-0118F-S0001-001 FOR DETAILS.
12. PROVIDE AND INSTALL NEW DUPLEX 5-20R RECEPTACLE IN A WEATHERPROOF ENCLOSURE.
13. CONNECT MCC-F72 TO EXISTING FLOOD PUMP MOTORS. PROVIDE CEILING-MOUNTED STRUT FOR ANCHORING CABLES, AND FLOOR-TO-CEILING STRUT FOR SECURING VERTICAL PORTION OF CABLE AT MOTOR AS PER THE C.E.C.
14. PROVIDE AND INSTALL NEW EMERGENCY LIGHTING BATTERY BANK COMPLETE WITH EMERGENCY LIGHT WITH THE BOTTOM 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. PROVIDE NEW CABLING AND TERMINATE TO NEW AIR CONDITIONING UNIT AC-F64.
17. PROVIDE AND INSTALL NEW EMERGENCY STOP BUTTON STATION 1200mm TO CENTRE ABOVE FINISHED FLOOR.
18. RE-TERMINATE EXISTING CSO PANEL TO NEW DISTRIBUTION PANELBOARD PNL-F73, SEE DETAIL ON DRAWING 1-0118F-E0012
19. PROVIDE AND INSTALL NEW UNIT HEATER AND ACCESSORIES.
20. PROVIDE AND INSTALL NEW TWO-POLE SWITCH FOR FLOOD MOTOR ROOM LIGHTING AND MONITORING STATION OCCUPANCY. SWITCH TO BE LOCATED 1200mm TO CENTRE ABOVE FINISHED FLOOR.
21. CORE ADDITIONAL HOLES IN EXTERIOR WALL FOR ROUTING OF CABLES FROM CSTE TO MCC-F71. SEAL OPENING
22. PROVIDE AND INSTALL NEW OUTDOOR PHOTOCELL. RUN A 4C #12AWG RW90 IN 21MM CONDUIT TO CONNECT PHOTOCELL TO PHOTOCELL JUNCTION BOX.
23. INSTALL NEW GROUND WELL AND ROD IN THE PARKING LOT AWAY FROM THE WET WELL, SEE DETAILS ON DRAWING 1-0118F-E0009-001.
24. PROVIDE AND INSTALL NEW GROUND CONDUCTOR, SEE DETAILS ON DRAWING 1-0118F-E0009-001.
25. RESTORE FACILITY TO PRE-RECONSTRUCTION STATE. ALL CHIPPED CONCRETE TO BE PATCHED, ALL SOIL TO BE RETURNED.
26. PROVIDE AND INSTALL A WEATHERPROOF TEMPORARY GENERATOR CONNECTION ENCLOSURE JB-F74.
27. ALL EXTERNAL WALL PENETRATIONS ARE TO BE APPROPRIATELY SEALED.
28. PROVIDE AND INSTALL FUSED DISCONNECT SWITCH FOR AC-F64. DISCONNECT TO BE WEATHERPROOF RATED AND WITHIN SIGHT OF AC-UNIT.
29. EXISTING TRANSFORMER TO REMAIN. TRANSFORMER TO BE TAP DOWN TO 585V.
30. PROVIDE AND INSTALL CONNECTIONS OF SUPPLY FAN SF-F62 AND DUCT HEATER HCE-F63. LOCATIONS OF BOTH TO BE IN-LINE WITH SHAFT.

LEGEND:

F73-XXa	PANELBOARD FEED – CIRCUIT # ('a' AFTER CCT # DENOTES LOAD ON A LIGHT SWITCH)
	EMERGENCY LIGHTING BATTERY BANK
	EMERGENCY LIGHTING REMOTE FIXTURE
	240V 6-30R WELDING RECEPTACLE
	120V RECEPTACLE
W.P.	INDICATES WEATHERPROOF RATING
E.X.	INDICATES EXPLOSION PROOF RATING
$	SINGLE POLE SWITCH
$	DOUBLE POLE SWITCH
	LED WALL PACK
A	4 FT LIGHT FIXTURE
	PANEL
	DISCONNECT SWITCH

GENERAL NOTES:

1. ALL EQUIPMENT, DEVICES AND CABLING AND ARE TO BE PROVIDED, UNLESS OTHERWISE INDICATED AS EXISTING.
2. NOT ALL OUTDOOR OBJECTS ARE SHOWN ON THIS DRAWING.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

DRAWING NUMBER	REFERENCE DRAWINGS
1-0118F-E0007	ELECTRICAL PLAN LAYOUT WET WELL AND DRY WELL AREA
1-0118F-E0005	ELECTRICAL SINGLE LINE DIAGRAM

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
1m 0.5m 0 0.5m 1m 1.5m
1 : 30

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION, TENDER 167-2023	2023/03/02	MS	BC

SNC·LAVALIN
SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
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DESIGNED BY: N. ESCHUK	CHECKED BY: B. CLEVEN
DRAWN BY: B. WILKS	APPROVED BY: B. CLEVEN
SCALE: 1:30	ISSUED FOR CONSTRUCTION BY: K. ZUREK
DATE: 2022/06/21	DATE: 2023/03/02
CONSULTANT NO.:	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M. SARTO
Member
46571
REGISTERED PROFESSIONAL ENGINEER
2023-03-02

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

BANNATYNE FLOOD PUMPING STATION
2023 UPGRADES
ELECTRICAL PLAN LAYOUT
MAIN FLOOR AND EXTERIOR

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0118F-E0006	001	00	A1

REV: 00

LAST SAVE: 2023/03/02 – 3:54pm
PATH: \\Winpdc1\proj$\691232\4ENG\47ELE\DD – General DWG\1-0118F-E0006-001_Rev00.dwg