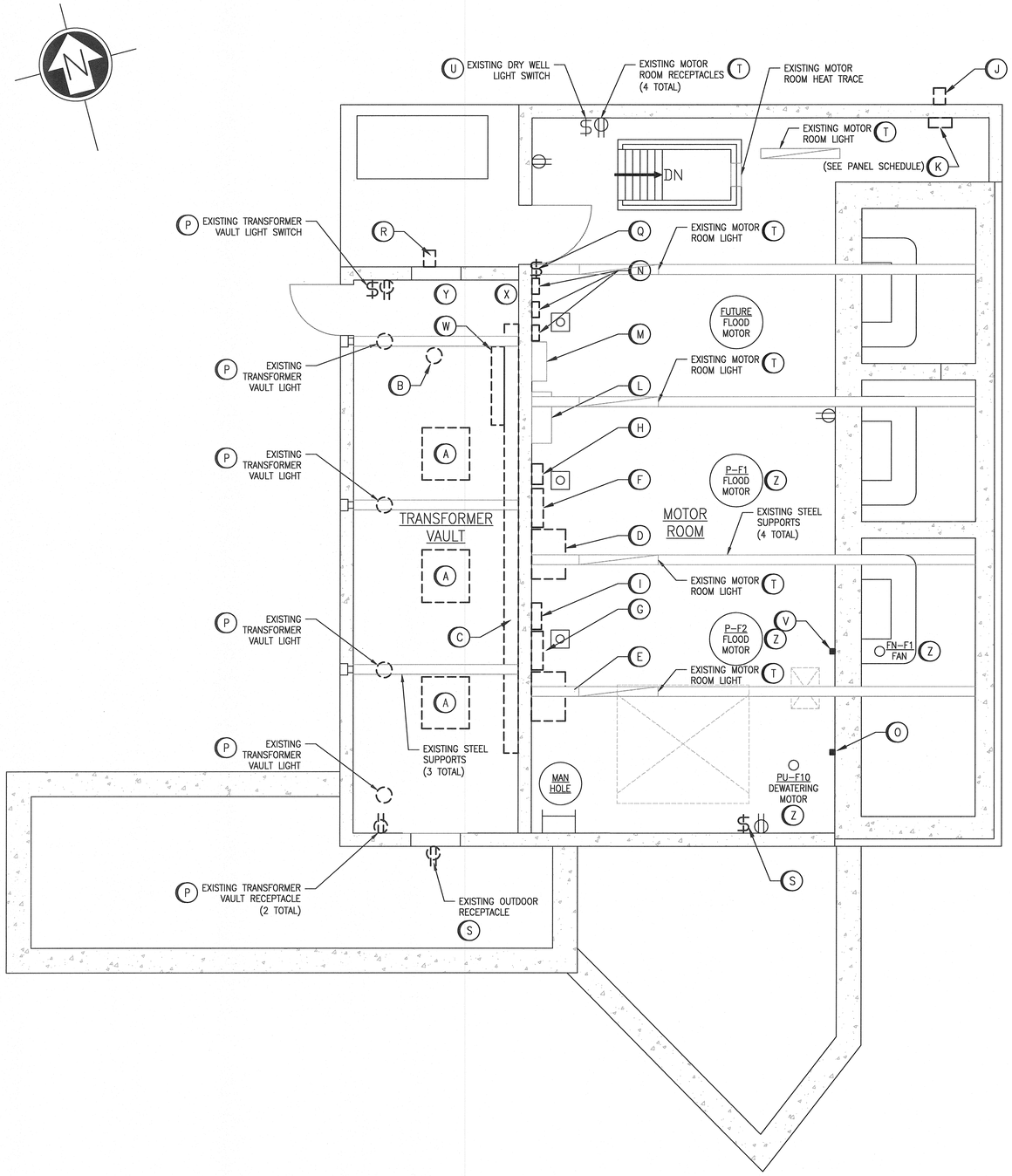
A1 SIZE – 594mm x 841mm



MAIN FLOOR PLAN

SCALE: 1 : 40

DEMOLITION NOTES

(A) PROVIDE DEMOLITION OF EXISTING MEDIUM VOLTAGE SERVICE TRANSFORMERS AND ASSOCIATED CABLING AND CONDUIT. CONSULT WITH THE CITY IF ANY EQUIPMENT SHOULD BE KEPT, OTHERWISE DISPOSE OF ALL EQUIPMENT. NOTE: TRANSFORMERS CONTAIN PCBs IN OIL AND WILL REQUIRE PROPER DISPOSING OF. CONTRACTOR TO INCLUDE PRICING FOR DISPOSING OF PCB OIL.

(B) REMOVE EXISTING 5kV SERVICE CONDUCTORS BACK TO THE SOURCE. CUT BACK CONDUIT AND INSTALL REMOVABLE PLUG THAT IS TOP FLUSH WITH FINISHED FLOOR.

(C) PROVIDE DEMOLITION OF EXISTING SPLITTER, SUPPORTS AND ASSOCIATED CABLING. FIRESTOP ALL ABANDONED WALL PENETRATIONS.

(D) PROVIDE DEMOLITION OF EXISTING REDUCED VOLTAGE STARTER FOR PUMP P-F1. DEMOLISH ALL ASSOCIATED CABLING. CUT BACK CONDUIT AT STARTER/MOTOR AND INSTALL REMOVABLE PLUG ON BOTH ENDS THAT IS TOP FLUSH WITH FINISHED FLOOR.

(E) PROVIDE DEMOLITION OF EXISTING REDUCED VOLTAGE STARTER FOR PUMP P-F2. DEMOLISH ALL ASSOCIATED CABLING. CUT BACK CONDUIT AT STARTER/MOTOR AND INSTALL REMOVABLE PLUG ON BOTH ENDS THAT IS TOP FLUSH WITH FINISHED FLOOR.

(F) PROVIDE DEMOLITION OF EXISTING ITE FEEDER BREAKER FOR PUMP P-F1. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT.

(G) PROVIDE DEMOLITION OF EXISTING ITE FEEDER BREAKER FOR PUMP P-F2. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT.

(H) PROVIDE DEMOLITION OF EXISTING DISCONNECT SWITCH FOR PUMP P-F1. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT. CONSULT WITH THE CITY OF WINNIPEG IF DISCONNECT SHOULD BE KEPT, OTHERWISE DISPOSE OF DISCONNECT.

(I) PROVIDE DEMOLITION OF EXISTING DISCONNECT SWITCH FOR PUMP P-F2. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT. CONSULT WITH THE CITY OF WINNIPEG IF DISCONNECT SHOULD BE KEPT, OTHERWISE DISPOSE OF DISCONNECT.

(J) PROVIDE DEMOLITION OF EXISTING 120/240V UTILITY METER ENCLOSURE. INFILL EXISTING WALL PENETRATION WITH GROUT OR APPROVED MEANS. PROVIDE TOUCH-UP PAINT TO MATCH BUILDING EXTERIOR.

(K) PROVIDE DEMOLITION OF EXISTING 120/240V PANELBOARD AND ALL UPSTREAM ASSOCIATED CABLING AND CONDUIT TO UTILITY METER. REFER TO PANEL SCHEDULE BELOW FOR DOWNSTREAM CABLING/CONDUIT THAT WILL BE DEMOLISHED ALONG WITH DOWNSTREAM CABLING/CONDUIT THAT WILL REMAIN FOR CONNECTION TO A NEW INSTALLED JUNCTION BOX. JUNCTION BOX WILL BE BE LOCATED AT THE SAME LOCATION OF REMOVED 120/240V PANELBOARD.

(L) DISCONNECT FIELD WIRING TO RTU PANEL. RTU PANEL WILL BE RELOCATED TO NEW ELECTRICAL ROOM (TRANSFORMER VAULT). DEMOLISH ALL CABLING AND CONDUIT ASSOCIATED WITH 120 VAC SUPPLY, 600 VAC POWER FAIL RELAY, PUMP 1 AND PUMP 2. REFER TO DRAWING 1-0179F-A0009 FOR DETAILS.

(M) EXISTING COMBINED SEWER OVERFLOW (CSO) PANEL TO REMAIN. DEMOLISH ALL ASSOCIATED 120 VAC SUPPLY CABLING AND CONDUIT BACK TO 120/240V PANELBOARD REMOVED IN DEMOLITION NOTE K. A NEW 120 VAC SUPPLY WILL TIE INTO SAME CSO PANEL TERMINALS.

(N) PROVIDE DEMOLITION OF EXISTING DISCONNECT SWITCHES. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT. CONSULT WITH THE CITY OF WINNIPEG IF DISCONNECTS SHOULD BE KEPT, OTHERWISE DISPOSE OF DISCONNECTS.

(O) PROVIDE DEMOLITION OF EXISTING DEWATERING PUMP MANUAL STARTER AND ALL ASSOCIATED CABLING AND CONDUIT.

(P) PROVIDE DEMOLITION OF ALL EXISTING LIGHTS, SWITCHES AND RECEPTACLES IN THE TRANSFORMER VAULT. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT BACK TO 120/240V PANELBOARD REMOVED IN DEMOLITION NOTE K.

(Q) PROVIDE DEMOLITION OF EXISTING MOTOR ROOM LIGHT SWITCH. DEMOLISH ALL ASSOCIATED CABLING AND CONDUIT. LIGHT FIXTURES ARE TO REMAIN.

(R) PROVIDE DEMOLITION OF EXISTING 5kV SERVICE UTILITY METER ENCLOSURE. CONSULT WITH MANITOBA HYDRO IF METER SHOULD BE KEPT, OTHERWISE DISPOSE OF METER. INFILL EXISTING WALL PENETRATION WITH GROUT OR APPROVED MEANS. PROVIDE TOUCH-UP PAINT TO MATCH BUILDING EXTERIOR.

(S) PROVIDE DEMOLITION OF EXISTING SWITCH FEEDING OUTDOOR RECEPTACLE. DEMOLISH OUTDOOR RECEPTACLE ALONG WITH ALL ASSOCIATED CABLING AND CONDUIT.

(T) MOTOR ROOM LIGHT FIXTURES AND RECEPTACLES ARE TO REMAIN. NEW 120 VAC SUPPLIES WILL FEED EXISTING LIGHT FIXTURES AND RECEPTACLES.

(U) MOTOR ROOM LIGHT SWITCH FOR DRY WELL LIGHTS IS TO REMAIN. NEW 120 VAC SUPPLY FROM PNL-F72 (ELECTRICAL ROOM) WILL FEED EXISTING DRY WELL LIGHT SWITCH. SWITCH CONDUIT GOING BACK TO 120/240V PANELBOARD REMOVED IN DEMOLITION NOTE K MUST REMAIN.

(V) PROVIDE DEMOLITION OF EXISTING FAN MANUAL STARTER AND ALL ASSOCIATED CABLING AND CONDUIT.

(W) PROVIDE DEMOLITION OF EXISTING 5KV UTILITY METERING CURRENT AND POTENTIAL TRANSFORMERS AND ALL ASSOCIATED CONDUIT AND CABLING. CONSULT WITH MANITOBA HYDRO IF METERING TRANSFORMERS SHOULD BE KEPT, OTHERWISE DISPOSE OF METERING TRANSFORMERS.

(X) PROVIDE DEMOLITION OF EXISTING GROUND CABLING AND CONDUIT IN THE TRANSFORMER VAULT. FIRESTOP ALL EXISTING ABANDONED WALL PENETRATIONS THAT WERE USED FOR GROUND CABLING.

(Y) PROVIDE DEMOLITION OF ALL EXISTING FRAMING AND SUPPORT STRUCTURES INSIDE THE TRANSFORMER VAULT.

(Z) EXISTING MOTORS TO REMAIN.

LEGEND:

EXISTING

DEMOLISH

(K)

PANEL ID: MAIN DISTRIBUTION PANEL	AMPS: 100A	VOLTS: 120/240V	PHASE: 1ø	WIRE: 3W	SURF. MOUNT [X] FLUSH MOUNT [ ]	TOP FED [X] BOT. FED [ ]
DESCRIPTION: EXISTING 120/240V DISTRIBUTION PANELBOARD					LOCATION:	MOTOR ROOM
MFG / MODEL: AMALGAMATED ELECTRIC CORPORATION TYPE NEAB					INTERRUPTING RATING:	N/A
MAIN BREAKER: 100A					INST. SETTINGS:	N/A

CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A/B/C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	HEATER MAIN	2		–				60-2P		1	SAMPLER OUTLET 220V	2
3	HEATER MAIN	2		30-2P				60-2P		1	SAMPLER OUTLET 220V	4
5	VAULT LIGHTS & PLUG	1		15				20		1	MAIN FLOOR PLUG – OUTSIDE PLUG	6
7	CSO PANEL	1		15				15		1	SPARE	8
9	DRYWELL LIGHTS	2		15				15		2	DRYWELL PLUGS	10
11	ALARM PANEL	1		15				15		2	DRYWELL PLUGS	12

TOTAL CONNECTED LOAD:				
PHASE A:	000.0 KVA	000.0 kVA	000.0 A	NOTE LEGEND: AFCI ARC FAULT CIRCUIT INTERRUPTOR
PHASE B:	000.0 A (AVG)	000.0 kVA	000.0 A	GFCI GROUND FAULT CIRCUIT INTERRUPTOR
PHASE C:	000.0 A (MAX)	000.0 kVA	000.0 A	LOCK LOCKED BREAKER

NOTES:
1. DEMOLISH ALL DOWNSTREAM CABLING ALONG WITH ASSOCIATED CONDUIT THAT WILL BE UNUSED. CAP OFF EXISTING CONDUITS TO REMAIN.
2. EXISTING CABLING AND CONDUIT TO REMAIN. DISCONNECT CABLING AND MARK WIRING/CABLE CIRCUIT NUMBERS FOR CONNECTION TO A NEW INSTALLED JUNCTION BOX. REFER TO DRAWING 1-0179F-E0019 FOR CONNECTION DETAILS TO NEW JUNCTION BOX.

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL CONDUIT, WIRING AND DEVICES FEEDING INTO DRY WELL & WET WELL AREAS ARE TO REMAIN.

1 0 1 2m

1 : 40

DRAWING NUMBER	REFERENCE DRAWINGS
1-0179F-A0009	RTU PANEL MOTOR ROOM DEMOLITION
1-0179F-E0019	PNL-F72 JUNCTION BOX LAYOUT AND CONNECTION DIAGRAM
1-0179F-E0002	ELECTRICAL SINGLE LINE DIAGRAM DEMOLITION

APEGM Certificate of Authorization SNC-Lavalin Inc. No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2018/12/14	KS	BC

SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
204-786-8080

DESIGNED BY: K. SAPIAK	CHECKED BY: B. CLEVEN
DRAWN BY: Y. KONIG	APPROVED BY: B. CLEVEN
SCALE: 1 : 40	ISSUED FOR CONSTRUCTION BY: K. ZUREK
DATE: 2018/06/25	DATE: 2018/12/14
CONSULTANT NO.:	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
2018-12-14
K. K. SAPIAK
Member 33675
REGISTERED PROFESSIONAL ENGINEER
Rev. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

ROLAND FLOOD PUMPING STATION
2019 UPGRADES
ELECTRICAL PLAN LAYOUT
MAIN FLOOR
DEMOLITION

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0179F-E0007	001	00	A1

LAST SAVE: 2018/12/13 – 4:02pm
PATH: M:\65738\4ENG\47ELE\DD – General DWG\1-0179F-E0007-001.dwg

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