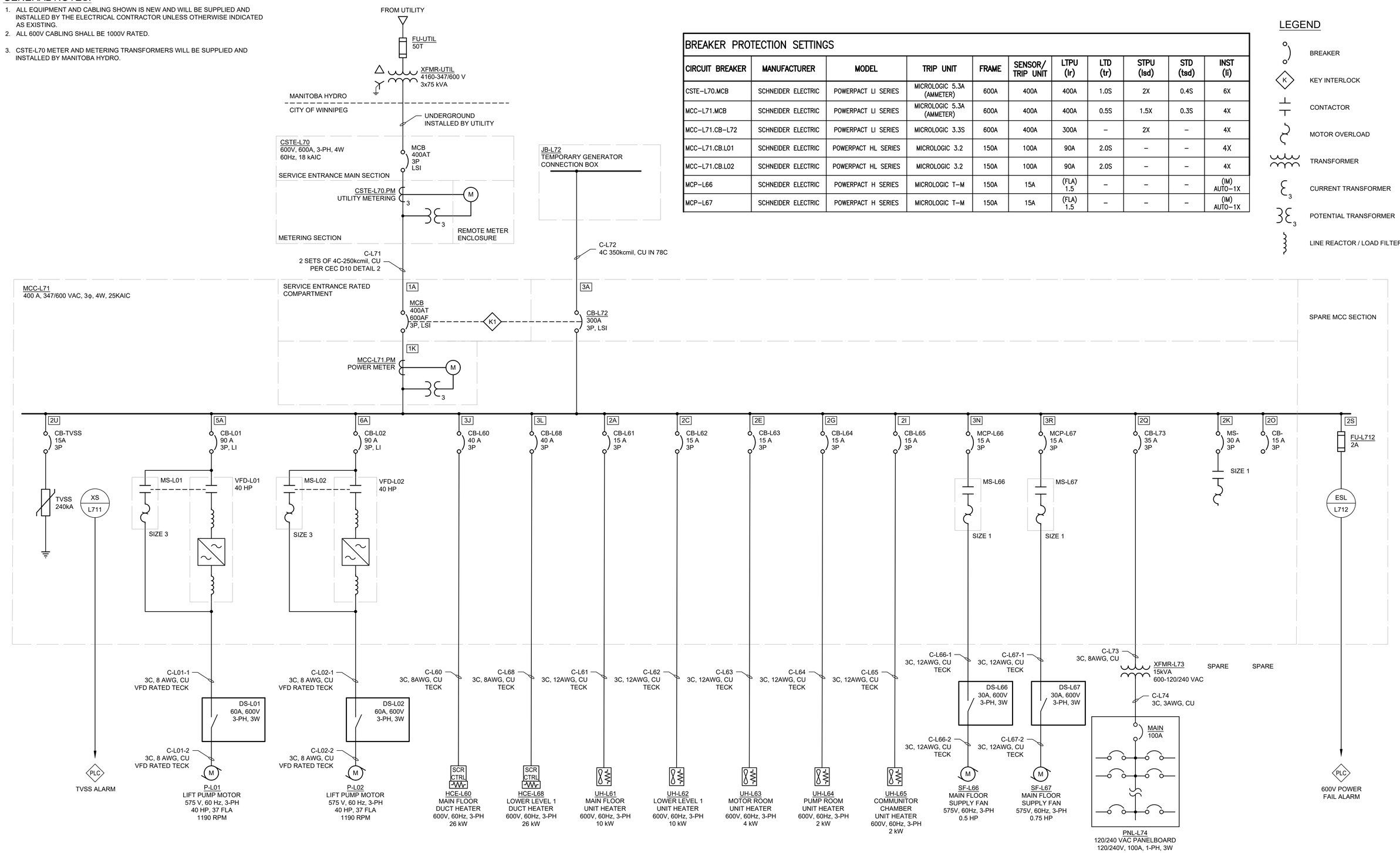
A1 SIZE - 594mm x 841mm

GENERAL NOTES:

1. ALL EQUIPMENT AND CABLING SHOWN IS NEW AND WILL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED AS EXISTING.
2. ALL 600V CABLING SHALL BE 1000V RATED.
3. CSTE-L70 METER AND METERING TRANSFORMERS WILL BE SUPPLIED AND INSTALLED BY MANITOBA HYDRO.



BREAKER PROTECTION SETTINGS

CIRCUIT BREAKER	MANUFACTURER	MODEL	TRIP UNIT	FRAME	SENSOR/ TRIP UNIT	LTPU (Ir)	LTD (tr)	STPU (Isd)	STD (tsd)	INST (Ii)
CSTE–L70.MCB	SCHNEIDER ELECTRIC	POWERPACT LI SERIES	MICROLOGIC 5.3A (AMMETER)	600A	400A	400A	1.0S	2X	0.4S	6X
MCC–L71.MCB	SCHNEIDER ELECTRIC	POWERPACT LI SERIES	MICROLOGIC 5.3A (AMMETER)	600A	400A	400A	0.5S	1.5X	0.3S	4X
MCC–L71.CB–L72	SCHNEIDER ELECTRIC	POWERPACT LI SERIES	MICROLOGIC 3.3S	600A	400A	300A	–	2X	–	4X
MCC–L71.CB.L01	SCHNEIDER ELECTRIC	POWERPACT HL SERIES	MICROLOGIC 3.2	150A	100A	90A	2.0S	–	–	4X
MCC–L71.CB.L02	SCHNEIDER ELECTRIC	POWERPACT HL SERIES	MICROLOGIC 3.2	150A	100A	90A	2.0S	–	–	4X
MCP–L66	SCHNEIDER ELECTRIC	POWERPACT H SERIES	MICROLOGIC T–M	150A	15A	(FLA) 1.5	–	–	–	(IM) AUTO–1X
MCP–L67	SCHNEIDER ELECTRIC	POWERPACT H SERIES	MICROLOGIC T–M	150A	15A	(FLA) 1.5	–	–	–	(IM) AUTO–1X

LEGEND

- BREAKER
- KEY INTERLOCK
- CONTACTOR
- MOTOR OVERLOAD
- TRANSFORMER
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- LINE REACTOR / LOAD FILTER

DRAWING NUMBER	REFERENCE DRAWINGS
1-0178L-E0013	MOTOR STARTER SCHEM.& CONN. DIAGRAM SUPPLY FAN SF-L67
1-0178L-E0012	MOTOR STARTER SCHEM.& CONN. DIAGRAM SUPPLY FAN SF-L66
1-0178L-E0010	MOTOR STARTER SCHEMATIC LIFT PUMP P-L02
1-0178L-E0008	MOTOR STARTER SCHEMATIC LIFT PUMP P-L01
1-0178L-E0007	MCC ELEVATION AND DETAILS
1-0178L-E0005	ELECTRICAL POWER PLAN LAYOUT

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date:

NO.	REVISIONS	DATE	DESIGN	CHECK
0	ISSUED FOR TENDER	2023/07/20	CAL	BLM

DILLON CONSULTING

DESIGNED BY: CAL	CHECKED BY: BLM
DRAWN BY: SK	APPROVED BY: BLM
SCALE: NTS	RELEASED FOR CONSTRUCTION BY:
DATE: MARCH 2023	DATE:
CONSULTANT NO.: 22-3229	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
C.A. LANGE
Member
37791
2023/07/20
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

RIVERBEND LIFT PUMPING STATION
2023 UPGRADES
ELECTRICAL SINGLE LINE DIAGRAM

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0178L-E0002	001	0	A1

223229-04-SLD-CON.dwg

LAST SAVE: 2023/07/20 - 3:20pm
PATH: C:\pw working directory\projects 2022\dillon_40zn\dms07227\223229-04-SLD-CON.dwg