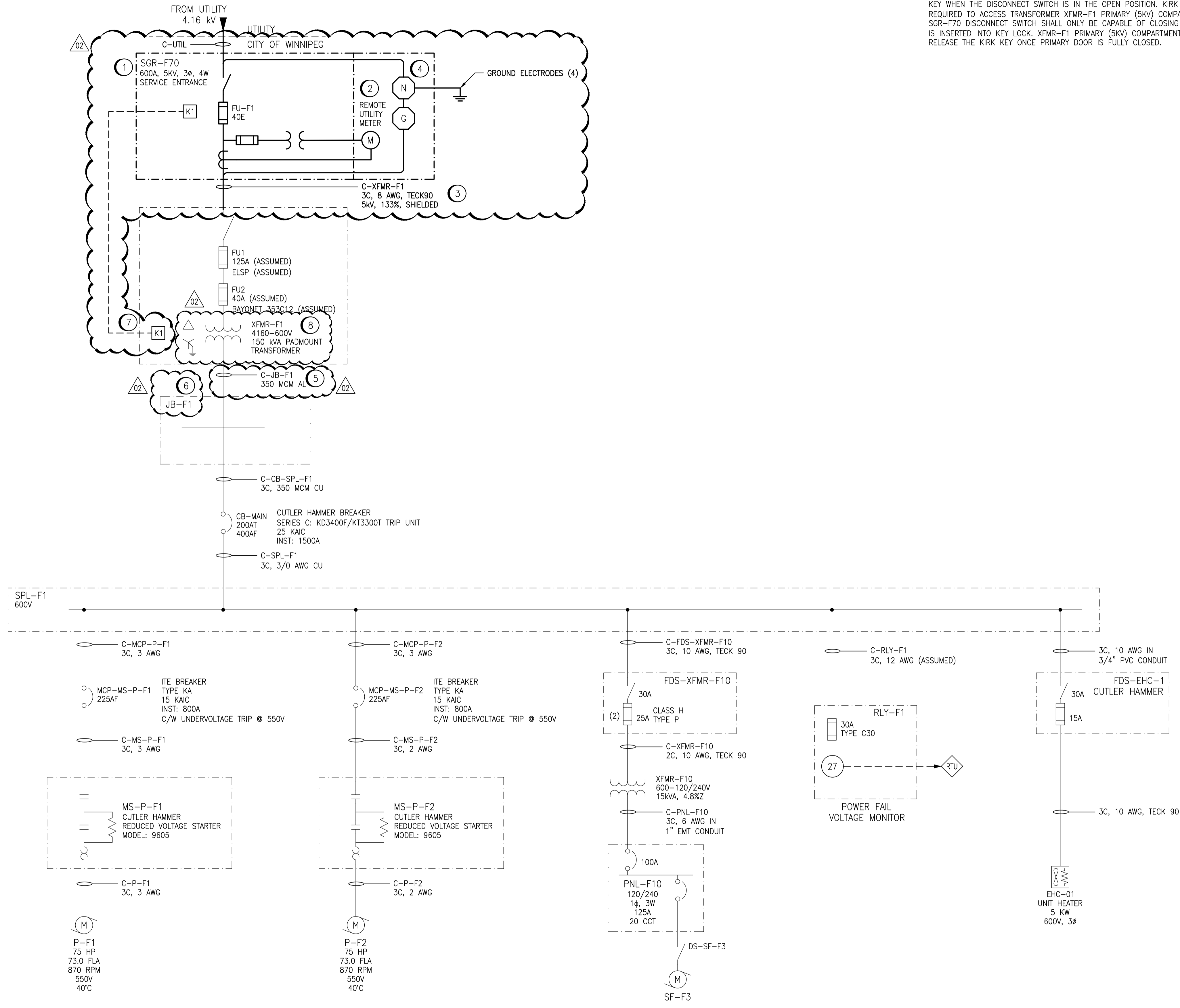


LAST SAVE: 2024/12/23 - 4:08pm
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 A1 SIZE - 594mm x 841mm



GENERAL NOTES:

- FOR THE KIRK KEY INTERLOCK, SWITCHGEAR SGR-F70 SHALL ONLY RELEASE THE KIRK KEY WHEN THE DISCONNECT SWITCH IS IN THE OPEN POSITION. KIRK KEY WILL BE REQUIRED TO ACCESS TRANSFORMER XFMR-F1 PRIMARY (5kV) COMPARTMENT. SGR-F70 DISCONNECT SWITCH SHALL ONLY BE CAPABLE OF CLOSING WHEN KIRK KEY IS INSERTED INTO KEY LOCK. XFMR-F1 PRIMARY (5kV) COMPARTMENT SHALL ONLY RELEASE THE KIRK KEY ONCE PRIMARY DOOR IS FULLY CLOSED.

MANITOBA HYDRO SCOPE OF WORK:

- SUPPLY SURGE ARRESTORS AND CUTOUT FUSES ON 5kV HYDRO POLE.
- SUPPLY NEW UTILITY CABLE (C-UTIL) FROM 5kV HYDRO POLE TO SGR-F70, FUSED DISCONNECT COMPARTMENT.
- SUPPLY NEW METER ALONG WITH METERING TRANSFORMER IN SGR-F70, METERING COMPARTMENT.

CONSTRUCTION NOTES:

- PROVIDE NEW 5kV SERVICE ENTRANCE RATED FUSIBLE DISCONNECT SWITCH. DISCONNECT SWITCH IS LOAD-BREAK RATED.
- PROVIDE NEW 5kV METERING COMPARTMENT. METER AND METERING TRANSFORMERS WILL BE SUPPLIED AND INSTALLED BY MANITOBA HYDRO.
- PROVIDE NEW 5kV CABLE (133% INSULATION) BELOW GRADE. PROVIDE 5/8kV INDOOR RATED, 3/C MODIFICATION KIT (BREAKOUT BOOT) COMPLETE WITH 1/C TERMINATIONS SUITABLE FOR TERMINATIONS AT SGR-F70 METERING COMPARTMENT. PROVIDE 5/8kV INDOOR RATED, 3/C MODIFICATION KIT (BREAKOUT BOOT) COMPLETE WITH LOAD-BREAK ELBOWS FOR TERMINATIONS AT TRANSFORMER XFMR-F1 PRIMARY COMPARTMENT.
- PROVIDE A NEW NEUTRAL-GROUND LINK AT CUSTOMER SERVICE SWITCHGEAR SGR-F70.
- RETAG EXISTING CABLE.
- REPLACE EXISTING LAMACOIDS.
- CONTRACTOR TO PROVIDE KIRK KEY ON EXISTING TRANSFORMER XFMR-F1 AND SGR-F70. MAKE ADJUSTMENT AS NECESSARY. SUPPLY CITY WITH KEYS.
- EXISTING TRANSFORMER TO REMAIN. CONTRACTOR TO REMOVE AND REPLACE THE EXISTING TRANSFORMER DOOR WEATHERPROOF GASKETING.

LEGEND:

- NEW WORK
- NEW
- EXISTING

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
 Certificate of Authorization
AtkinsRéalis Canada Inc.
 No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
02	ISSUED FOR TENDER AND CONSTRUCTION	2024/12/20	PG	VE

148 Nature Park Way, Winnipeg, Manitoba
 Canada R3P 0X7 204-786-8080

DESIGNED BY: P. GILL	CHECKED BY: V. ELIMBAN
DRAWN BY: K. MOHAMMED	APPROVED BY: D. BECKER
SCALE: N.T.S.	ISSUED FOR CONSTRUCTION BY: B. SOLOWAY
DATE: 2024/07/18	DATE: 2024/12/20

CONSULTANT NO.: 701408

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

GALT FLOOD PUMPING STATION
 2025 TRANSFORMER REMEDIATION UPGRADES
 SINGLE LINE DIAGRAM

CITY DRAWING NUMBER 1-0142F-E0001	SHEET 001	REV. 02	SIZE A1
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