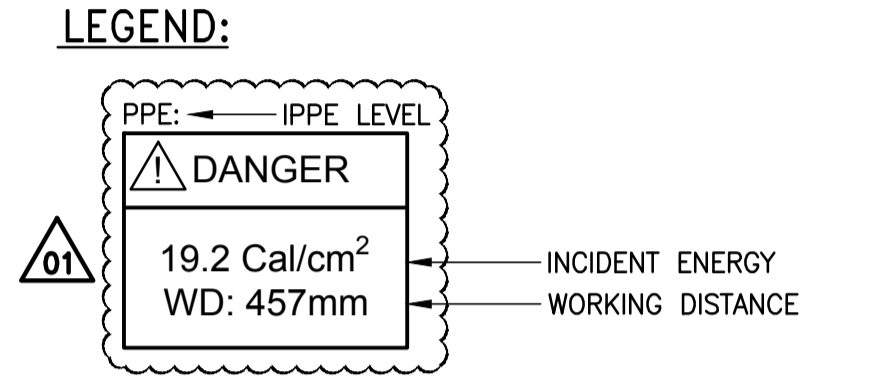


WARNING
DANGEROUS ARC FLASH LEVELS
AT EQUIPMENT MARKED AS FOLLOWS:

01
DANGER
19.2 Cal/cm²
WD: 457mm

ENERGIZED WORK PROHIBITED

- NOTES:**
- HYDRO SHALL RELOCATE INCOMING SERVICE FROM THE EXISTING VAULT TO SWITCHGEAR SGR-F70.
 - IMPEDANCE OF TRANSFORMER IS UNKNOWN. VALUE SHOWN IS FROM TABLE #3 OF THE MANITOBA HYDRO ELECTRIC CODE 10th EDITION, JUNE 2009.
 - GREY ITEMS DENOTES EXISTING EQUIPMENT.
 - HORSEPOWER INDICATED IS ASSUMED. CONTRACTOR TO CONFIRM HORSEPOWER RATING ON SITE.
 - SWITCHGEAR SGR-F70 SHALL ONLY RELEASE THE KIRK KEY INTERLOCK WHEN THE DISCONNECT SWITCH IS IN THE OPEN POSITION. SGR-F70 DISCONNECT SWITCH SHALL ONLY BE CAPABLE OF CLOSING WHEN KIRK KEY IS INSERTED INTO KEY LOCK. XFMR-F70 PRIMARY COMPARTMENT SHALL ONLY BE ACCESSIBLE USING KIRK KEY. XFMR-F70 PRIMARY COMPARTMENT SHALL ONLY RELEASE THE KIRK KEY ONCE PRIMARY DOOR IS FULLY CLOSED.
 - POWER FAILURE RELAY SHALL BE A SSAC WVM11AL VOLTAGE MONITOR OR APPROVED EQUIVALENT.



1 SINGLE LINE DIAGRAM- PROPOSED
SCALE: N.T.S.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.	-			
ELEV.	-			
NO.	REVISIONS	DATE	DESIGN	CHECK
01	RE-ISSUED FOR TENDER AND CONSTRUCTION	2019/07/17	LU	JAB
00	ISSUED FOR TENDER AND CONSTRUCTION	2019/07/12	LU	JAB

KGS GROUP
CONSULTING ENGINEERS

DESIGNED BY: L. UPPAL
DRAWN BY: J. deLEON
SCALE: AS NOTED
DATE: 2019/07/12
CONSULTANT NO.: 19-0107-002_E03

CHECKED BY: J. BOUCHARD
APPROVED BY: J. BOUCHARD
ISSUED FOR CONSTRUCTION BY:
DATE:

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

CLIFTON FLOOD PUMPING STATION UPGRADES

ELECTRICAL
SINGLE LINE DIAGRAM

CITY DRAWING NUMBER: 1-0125F-E0004-001
SHEET: 01
REV: 01
SIZE: A1