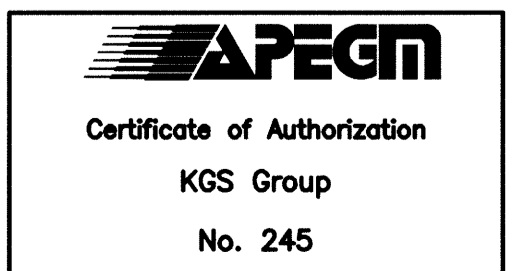


1 SINGLE LINE/INTERCONNECTION DIAGRAM  
SCALE: N.T.S.

- NOTES:**
1. IMPEDANCE OF TRANSFORMER IS UNKNOWN. VALUE SHOWN IS FROM TABLE #3 OF THE MANITOBA HYDRO ELECTRIC CODE 10th EDITION, JUNE 2009. CONTRACTOR SHALL NOTE INTERNAL NAMEPLATE RATING AND PROVIDE INFORMATION TO CONTRACT ADMINISTRATOR.
  2. RVS EQUIPPED WITH A MANUAL OPERATED FULL VOLTAGE ACROSS THE LINE STARTER TO BE USED ONLY IN EMERGENCY CONDITIONS WHEN RVS HAS FAILED. THIS IS IN ADDITION TO THE NORMAL 'RUN' CONTACTOR WHICH BYPASS THE RVS ELECTRONICS WHEN THE LOAD IS UP TO SPEED.
  3. RVS SHALL BE CONFIGURED TO LIMIT STARTING CURRENT TO A MAXIMUM OF 200% OF THE MOTOR FLA.
  4. REFER TO DRAWING 1-0115F-E0007-001 (A-E10) FOR ADDITIONAL DETAILS.

- LEGEND:**
- REDUCED VOLTAGE STARTER / VARIABLE FREQUENCY DRIVE
  - BREAKER
  - METER
  - CURRENT TRANSFORMER
  - VOLTAGE TRANSFORMER
  - DISTRIBUTION TRANSFORMER
  - MOTOR LOAD
  - INDICATES HP
  - DISCONNECT SWITCH
  - KIRK-KEY INTERLOCK
  - UNIT HEATER

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FIELD BOOK #		DESIGNED BY DDW/MAM		CHECKED BY	
POSTED TO LBIS		DRAWN BY GCN		APPROVED BY	
		HOR. SCALE N.T.S.		RELEASED FOR CONSTRUCTION	
		VERTICAL			
0	ISSUED FOR CONSTRUCTION	14/08/18	AP	DATE	2014 01 17
NL	REVISIONS	DATE	BY	DATE	

ENGINEER'S SEAL

A-E01

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

FLOOD PUMPING STATION UPGRADE  
ASSINIBOINE STATION  
**ELECTRICAL**  
SINGLE LINE DIAGRAM

SHEET 1 OF 1  
CITY DRAWING NUMBER  
1-0115F-E0002-001