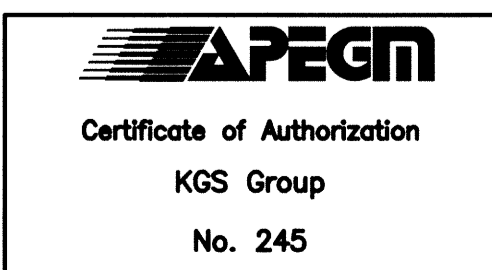


1 SINGLE LINE / INTERCONNECTION DIAGRAM
SCALE: N.T.S.

- NOTES:**
1. 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.
 2. RVS SHALL BE CONFIGURED TO LIMIT STARTING CURRENT TO A MAXIMUM OF 200% OF THE MOTOR FLA.
 3. REFER TO DRAWING 1-0139F-A0006-001 (D-E10) FOR ADDITIONAL DETAILS.
 4. FLOOD PUMP MOTORS SHALL BE PICKED UP AND INSTALLED AS WELL AS PROPERLY ALIGNED WITH THE SHAFT.
 5. GRAY LINE WEIGHT DENOTES EXISTING.
 6. PROVIDE SEPARATE METERING AND BREAKER SECTIONS, EACH WITH THEIR OWN PADLOCK.

- LEGEND:**
- REDUCED VOLTAGE STARTER
 - BREAKER
 - METER
 - CURRENT TRANSFORMER
 - VOLTAGE TRANSFORMER
 - DISTRIBUTION TRANSFORMER
 - MOTOR LOAD
 - INDICATES HP
 - DISCONNECT SWITCH
 - KIRK-KEY INTERLOCK
 - UNIT HEATER
 - DUCT HEATING COIL
 - WELDING RECEPTACLE



FIELD BOOK #:		DESIGNED BY: DDW		CHECKED BY: [Signature]	
POSTED TO LBIS:		DRAWN BY: GCN		APPROVED BY: [Signature]	
NO. REVISIONS:		HOR. SCALE: N.T.S.		RELEASED FOR CONSTRUCTION	
DATE:		DATE: 2014 01 17		DATE:	

ENGINEER'S SEAL

D-E01

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

FLOOD PUMPING STATION UPGRADES
DUMOULIN STATION
ELECTRICAL
SINGLE LINE DIAGRAM

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0139F-E0002-001