



NOTES:

- ARC FLASH VALUES ARE BASED UPON THE PROTECTION SETTINGS SPECIFIED IN THE ARC FLASH STUDY REPORT. ALL PHASE 1 REQUIRED WORK MUST BE PERFORMED PRIOR TO APPLYING THE ARC FLASH LABELS.
- SUPPLY AND INSTALL NEW 30A WEATHERPROOF, LOCKABLE, TOGGLE DISCONNECTS DS-EF-M1, DS-EF-M2, AND DS-EF-M3. UTILIZE THE EXISTING WIRING TO CONNECT THE NEW DISCONNECTS DS-EF-M1, DS-EF-M2, AND DS-EF-M3 TO THE EXISTING MOTOR STARTERS MS-EF-M1, MS-EF-M2, AND MS-EF-M3 RESPECTIVELY. SUPPLY AND INSTALL NEW CABLES FROM THE NEW DISCONNECTS DS-EF-M1, DS-EF-M2, AND DS-EF-M3 TO THE EXISTING ROOF FANS EF-M1, EF-M2, AND EF-M3 RESPECTIVELY.
- SUPPLY AND INSTALL NEW MOTOR STARTER MS-EEF-1. UTILIZE EXISTING CABLE TO FEED NEW MOTOR STARTER MS-EEF-1 FROM THE 600V CIRCUIT ON EXISTING PANEL PNL-EE. SUPPLY AND INSTALL NEW 20A WEATHERPROOF, LOCKABLE, TOGGLE DISCONNECT DS-EEF-1. SUPPLY AND INSTALL NEW CABLES FROM THE NEW MOTOR STARTER MS-EEF-1 TO THE NEW DISCONNECT DS-EEF-1. SUPPLY AND INSTALL NEW CABLES FROM NEW DISCONNECT DS-EEF-1 TO EXISTING EXHAUST FAN EEF-1.
- GREY ITEMS DENOTES EXISTING EQUIPMENT, BOLD ITEMS DENOTES NEW EQUIPMENT.

10	-	-
9	-	-
8	-	-
7	-	-
6	-	-
5	1-0650M-E0024-001	ELECTRICAL - PUMP STATION ROOF - POWER PLAN
4	1-0650M-E0023-001	ELECTRICAL - PUMP STATION MAIN AND PUMP LEVEL - POWER PLAN
3	1-0650M-E0003-001	ELECTRICAL - PUMP STATION - SINGLE LINE DIAGRAM
2	1-0650A-D0001-001	COVER SHEET
1	1-0650M-E0001	ELECTRICAL SINGLE LINE DIAGRAM - LEGEND & DETAILS
NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
REFERENCE DRAWINGS		



B.M.	-
ELEV.	-
NO.	REVISIONS
01	ISSUED FOR CONSTRUCTION 2020/06/18
00	ISSUED FOR CITY USE 2011/12/12 VE CJR
DATE	DESIGN/CHECK

KGS GROUP	
DESIGNED BY: T. BECK	CHECKED BY: J. BOUCHARD
DRAWN BY: D. SHABATAEV	APPROVED BY: J. BOUCHARD
SCALE: N.T.S.	ISSUED FOR CONSTRUCTION BY: DATE: 2020-06-18
CONSULTANT NO.: 19-0107-005_E13	

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
STRUCTURAL REPAIRS AND DRAINAGE BUILDING UPGRADES
ELECTRICAL
SINGLE LINE DIAGRAM
PNL-EE

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0650M-E0018	001	01	A1