



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

NOTES:

1. AUTOMATIC CONTROLS WILL ONLY ALLOW TWO OF THREE PUMPS TO OPERATE SIMULTANEOUSLY.
2. PROVIDE A 400A CROUSE-HINDS POSI-MAX SERIES PORTABLE POWER SOLUTION FOR CONNECTION OF TEMPORARY GENERATOR.
3. TRIP UNITS ON 400A BREAKER TO BE COORDINATED SUCH THAT THE MCC BREAKER WILL TRIP BEFORE THE DP-F70 BREAKER FOR BOTH FAULT AND OVER-CURRENT CONDITIONS.
4. CONTRACTOR SHALL PROVIDE ARC FLASHING LABELING FOR ALL ELECTRICAL EQUIPMENT. LABEL REQUIREMENTS SHALL BE PROVIDED AFTER SHOP DRAWING APPROVAL.
5. NEW PAD MOUNTED ELECTRICAL DISTRIBUTION EQUIPMENT WITH A SERVICE ENTRANCE RATED MAIN BREAKER. INCOMING SERVICE CONDUCTORS TO BE TERMINATED IN A SEPARATE COMPARTMENT WITH A BOLT ON COVER INSIDE A PADLOCKABLE EXTERIOR DOOR. PROVIDE NEW METERING ENCLOSURE AND SOCKET FOR INSTALLATION OF METER AND METERING TRANSFORMERS BY MANITOBA HYDRO.
6. CONTRACTOR TO VERIFY FLOOD PUMPING STATION DISTRIBUTION IS CAPABLE OF ACCEPTING NEW FEEDER CABLES.
7. EXISTING PADMOUNT TRANSFORMER IS OWNED BY CITY OF WINNIPEG AND MAINTAINED BY MANITOBA HYDRO. PROCESS TO TRANSFER OWNERSHIP OF TRANSFORMER TO MANITOBA HYDRO IS IN PROGRESS AT TIME THIS DRAWING IS ISSUED.

LEGEND:

- POWER METER
- REMOTE TERMINAL UNIT



FIELD BOOK #		DESIGNED BY DDW		CHECKED BY JAB	
1	RE-ISSUED FOR CONSTRUCTION	14/07/14	JAB		
0	ISSUED FOR CONSTRUCTION	14/06/16	JAB		
NO. REVISIONS		DATE	BY	DATE	2013 07 25

ENGINEER'S SEAL

E01

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

AUBREY WASTEWATER PUMPING STATION UPGRADE
1016 PALMERSTON AVE
ELECTRICAL
SINGLE LINE DIAGRAM

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0116L-E0001-001