



LEGEND:
 REVISED ACCORDING TO AS-BUILT.
 USE DESCRIPTION PROVIDED.

- NOTES:**
1. HS FEED BACK TO PLC PREVENTS VFD TO BE SELECTED FOR BOTH PUMPS IN PAIR. NEW LOGIC IN PLC-1.
 2. REMOVE EXISTING BUBBLER/PUMP CONTROL PANEL COMPLETELY. REPLACE WITH NEW DUAL LEVEL TRANSMITTER BUBBLER PANEL BP-1.
 3. BUILD NEW PUMP CONTROL LOGIC IN NEW PLC-1.
 4. ALL EXISTING WIRING TO BE IDENTIFIED AND WIRED PRIOR TO MIGRATING RAW SEWAGE PUMP FUNCTION TO PLC-1.

MOTOR CONTROL CENTER NO. 1 SINGLE LINE DIAGRAM

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DRAWN BY: VU CHECKED BY: CSM APPROVED BY: CSM DATE: 02/29/2008

Township of Bernards
 Sewerage Authority
 CONTROL & MONITORING SYSTEM UPGRADE
 MCC-1 SINGLE LINE DIAGRAM

ME MOREHOUSE ENGINEERING INC.
 HOPEWELL, NEW JERSEY 08525
 609-466-4955

DATE: MARCH 10, 2008
 DWG#: 2746-EL-3
 SHEET: 25 OF 46
 JOB#: 2746
 SCALE: N.T.S.
 REV: 0