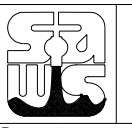


- LEGEND**
- 27 - UNDERVOLTAGE RELAY
  - 38 - BEARING TEMPERATURE DEVICE
  - 46 - PHASE BALANCE CURRENT RELAY
  - 47 - PHASE SEQUENCE VOLTAGE RELAY
  - 48 - INCOMPLETE SEQUENCE RELAY
  - 49 - WINDING TEMPERATURE DEVICE
  - 51 - TIME OVERCURRENT RELAY
  - 51G/51N - GROUND TIME OVERCURRENT RELAY
  - 59 - OVERVOLTAGE
  - 83 - AUTOMATIC THROWOVER
  - 86 - LOCKING-OUT RELAY
  - (AM) - AMMETER
  - CPT - CONTROL POWER TRANSFORMER
  - CT - CURRENT TRANSFORMER
  - E/S - EMERGENCY SHUTDOWN
  - FLA - FULL LOAD AMPS
  - FMR - FEEDER MANAGEMENT RELAY - MULTIFUNCTION
  - HSP - HIGH SERVICE PUMP
  - IS - INCOMPLETE SEQUENCE
  - ISW - ISOLATION SWITCH
  - (KI) - MECHANICAL KEY INTERLOCK
  - M - MOTOR
  - MCC - MOTOR CONTROL CENTER
  - MPR - MOTOR PROTECTION RELAY - MULTIFUNCTION
  - MTR - MULTIFUNCTION METERING
  - OL - OVERLOAD RELAY
  - PT - POTENTIAL TRANSFORMER
  - SA - SURGE ARRESTER
  - (VM) - VOLTMETER
  - WM - WATT METER
  - WP - WELL PUMP
  - $\int$  - 600A VACUUM CIRCUIT INTERRUPTER
  - M-2 - 400A VACUUM CONTACTOR

ELECTRICAL ONE-LINE DIAGRAM  
N. T. S.

No.	Revision	Drawn	Approved	Date
Revisions				
 <b>DESIGN STANDARDS PUMP STATION</b> ELECTRICAL ONE-LINE				
Developer SAN ANTONIO WATER SYSTEM				
Cont. Budget Proj.				
SUBMITTED GRUBB ENGINEERING, INC.				
APPROVED _____				
Map No.				Sheet
Section No.				
Dr. RdgJCh		Job No.		E01