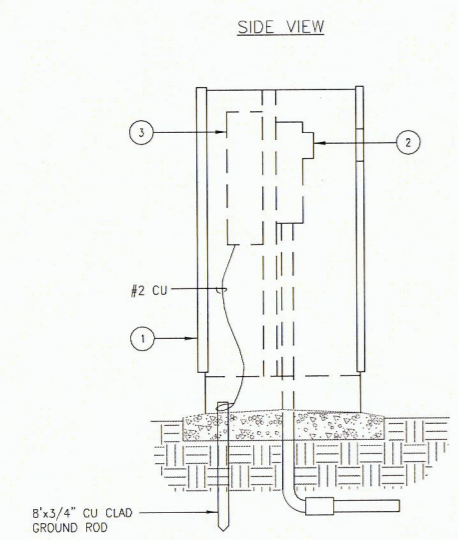


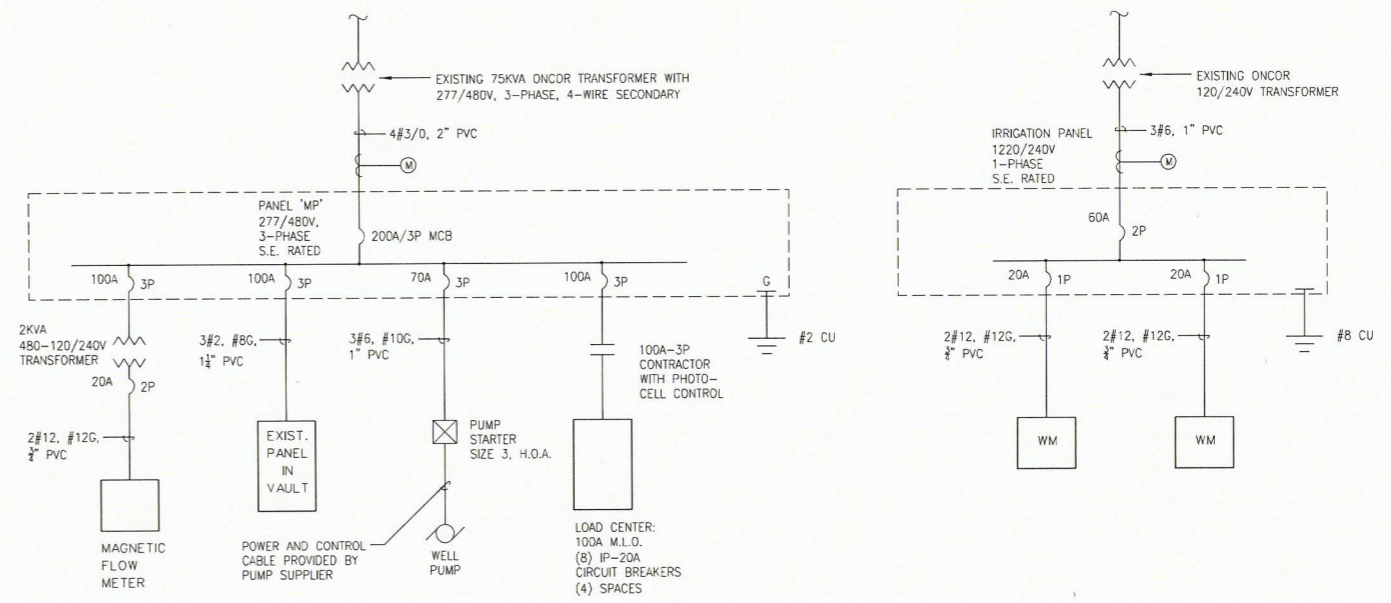
- LEGEND**
- EQUIPMENT ENCLOSURE MIN. 60" TALL x 44" WIDE x 24" DEEP. FOR METERING, AND PANEL BOARD WITH CONTRACTOR AS SCHEDULED, AND WINDOW FOR PHOTOCELL. MILBANK 'D' STYLE METERED COMMERCIAL PEDESTAL 200A MCB PANELBOARD, PAINTED ALUMINUM, NEMA 4, OR APPROVED EQUAL.
 - UTILITY CO. METER ENCLOSURE.
 - PANEL 'MP' AND LIGHTING CONTACTOR.
 - CONDUIT FOR UTILITY CO. SERVICE.
 - POURED CONCRETE BASE - 6" MIN. THICKNESS - EXTEND 6" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.
 - FINISHED GRADE.
 - PHOTOCELL.
 - WINDOW FOR PHOTOCELL.
 - COUPLING AT 90 DEGREE ELBOW IS THE PAY LIMIT FOR THIS DETAIL.
 - BARRIER BETWEEN FRONT AND BACK COMPARTMENTS.
 - STARTER FOR WELL PUMP: NEMA SIZE 3, H.O.A.

01 POWER DISTRIBUTION PEDESTAL
NOT TO SCALE



- LEGEND**
- EQUIPMENT ENCLOSURE: 16" x 17" x 48". MILBANK CP3B-ML SERIES 100 AMP MCB LOAD CENTER, PAINTED ALUMINUM, NEMA 4, OR APPROVED EQUAL.
 - UTILITY COMPANY METER ENCLOSURE.
 - PANELBOARD: 120/240V SINGLE PHASE, 100 AMP MCB, WITH (6) 1P-20A BRANCH CIRCUIT BREAKERS.

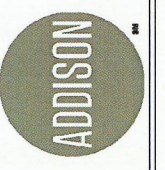
02 IRRIGATION PEDESTAL
NOT TO SCALE



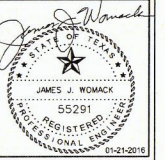
03 ONE-LINE DIAGRAM
NOT TO SCALE

| PANELBOARD SCHEDULE "MP" | | | | | | | | | | | | | | |
|--------------------------|------------|--------------|----------|-------------|-------|-----------|--------------|--------------------|---|----------|-------|--------------------|------------|---|
| DESIGNATION | FEEDER NO. | POLES & AMPS | LOAD, VA | | | C K | P H | C K | LOAD, VA | | | POLES & AMPS | FEEDER NO. | DESIGNATION |
| | | | LTG. | RECPT. | OTHER | | | | LTG. | RECPT. | OTHER | | | |
| WELL PUMP | 3 | 3/70 | | | 10700 | 1 | A | 2 | | | 11400 | 3/100 | 4 | VAULT PANEL |
| XFMR | | 2/15 | | | 1000 | 7 | A | 8 | | | | 3/100 | 4 | LIGHTING CONTACTOR FEEDER |
| XFMR | | 2/15 | | | 1000 | 9 | B | 10 | | | | | | LIGHTING CONTACTOR |
| SPACE | | 1/20 | | | 2700 | 11 | C | 12 | | | | | | 100 AMP 3-POLE LIGHTING CONTACTOR CONTROLLED BY PHOTOCELL |
| TRAIL LIGHTING | 2 | 1/20 | 2000 | | | 13 | A | 14 | 2000 | | | 1/20 | 2 | TRAIL LIGHTING |
| TRAIL LIGHTING | 2 | 1/20 | 2000 | | | 15 | B | 16 | 2000 | | | 1/20 | 2 | TRAIL LIGHTING |
| TRAIL LIGHTING | 2 | 1/20 | 2000 | | | 17 | C | 18 | 2000 | | | 1/20 | 2 | TRAIL LIGHTING |
| TRAIL LIGHTING | 2 | 1/20 | 2000 | | | 19 | A | 20 | 2000 | | | 1/20 | 2 | TRAIL LIGHTING |
| SPACE | | 1/20 | | | | 21 | B | 22 | | | | 1/20 | | SPACE |
| SPACE | | 1/20 | | | | 23 | C | 24 | | | | 1/20 | | SPACE |
| SECTION SUB-TOTALS | | | 8000 | 0 | 36800 | | | | 8000 | 0 | 34200 | SECTION SUB-TOTALS | | |
| CATEGORY | | CONN. LOAD | | DESIGN LOAD | | MOUNTING: | | SURFACE | | REMARKS: | | | | |
| LIGHTING: | | KVA | AMPS | DIV. | KVA | AMPS | VOLTS: | 277/480 | CIRCUITS 13 THRU 24 ARE CONTROLLED BY LIGHTING CONTACTOR. | | | | | |
| RECEPTACLE: | | 0.0 | 0.0 | 1.00 | 0.0 | 0.0 | PHASE/WIRE: | 3/4 | SE RATED | | | | | |
| MOTOR: | | 74.4 | 89.6 | 1.00 | 74.4 | 89.6 | MAINS SIZE: | 200 AMP | FEEDER NO.: | | | | | |
| PANEL: | | 0.0 | 0.0 | 1.00 | 0.0 | 0.0 | MAINS TYPE: | MCB | 1 = 2 #12, #12G - 1/2"C | | | | | |
| HVAC: | | 0.0 | 0.0 | 1.00 | 0.0 | 0.0 | BUSS TYPE: | COPPER | 2 = 2 #10, #10G - 3/4"C | | | | | |
| WATER HEATING: | | 0.0 | 0.0 | 1.00 | 0.0 | 0.0 | BRKR TYPE: | BOLT-IN | 3 = 3 #6, #6G - 1"C | | | | | |
| | | | | | | | A.I.C. IRMS: | 14,000 MIN. | 4 = 3 #2, #8G - 1 1/4"C | | | | | |
| | | | | | | | A Phase | 31.1 Connected Kva | | | | | | |
| | | | | | | | B Phase | 27.1 Connected Kva | | | | | | |
| | | | | | | | C Phase | 28.8 Connected Kva | | | | | | |
| TOTAL: | | 90.4 | 108.9 | 94.4 | 113.7 | | | | | | | | | |

LES LACS POND
WATER WELL REBUILDING PROJECT
TOWN OF ADDISON
DALLAS COUNTY, TEXAS



| Revision No. | Date | Description |
|--------------|------|-------------|
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The seal appearing on this document was authorized by JAMES J. WOMACK, PE, P.E. on 01-21-16. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act. The report copy of this drawing is on file at the office of Halff Associates, Inc., Texas Project, 10000 Fossil #212.

| | |
|---------------|--------------------|
| Project No.: | 29751-WA14 |
| Issue: | 1/22/2016 |
| Drawn By: | HALFF |
| Checked By: | HALFF |
| Scale: | AS SHOWN |
| Sheet Title: | ELECTRICAL DETAILS |
| Sheet Number: | E2.02 |