

NOTES:

- FOR ALL CONDUIT TRENCHES INSTALL CONDUIT SPACER EVERY 10 FT.
- NOT USED.
- TAMP EACH VERTICAL FOOT OR NEW LAYER (EXCLUDING CONCRETE) TO MINIMIZE SOIL SETTLING. DO NOT TAMP WITHIN 6" OF CONDUIT. ADD LAYER OF SAND AS REQUIRED TO MEET 6" DEPTH.
- CONDUITS IDENTIFIED BY SECTION FOLLOWED BY NUMBER. SEE CONDUIT SCHEDULE MAN17077-TD-0001.
- INSTALL 2" TAMPED LAYER OF SAND IN BOTTOM OF TRENCH PRIOR TO LAYING CONDUIT. INSTALL 2" LAYER OF SAND OVER CONDUITS.
- ALL BACKFILL MATERIALS INCLUDING SAND AND SCREENED BACKFILL TO BE FREE FROM CORROSIVE MATERIAL AND HAZARDOUS WASTE.
- EXCAVATED SOIL TO BE USED AS BACKFILL AND SCREENED FOR SCREENED BACKFILL.
- SCREENED BACKFILL TO BE FREE FROM ROCKS GREATER THAN 2" AND SHARP OBJECTS.
- SAND TO BE WASHED COARSE ALL PURPOSE SAND. SAND TO HAVE A SIGNIFICANT COLOR DIFFERENCE FROM EXISTING AND BACKFILL SOILS. CHLORIDE CONTENT TO BE LESS THAN 500 PPM. SAND TO BE FREE FROM CLAY AND ORGANIC MATERIALS.
- 15KV CONDUITS TO BE ENCASED IN CONCRETE, 3" MINIMUM THICKNESS ALL AROUND. CONCRETE TO HAVE MINIMUM STRENGTH AT 28 DAYS OF 2500 LBS. PSI AND DYED RED IN COLOR.
- TOP LAYER FROM FINAL GRADE TO SUBGRADE TO MATCH EXISTING LAYER OR NEW LAYER FOR AREAS BEING MODIFIED. SEE BORREGO DRAWING C-4.0 RE-VEGETATION PLAN FOR EXISTING SITE INFORMATION. SEE GEI PROJECT 1510901 DRAWINGS FOR AREAS BEING MODIFIED.
- CONDUIT F1 CROSSES CONDUITS F4 AND F5 NEAR ELECTRICAL ENCLOSURE (SEE DWG. MAN17077-D-1301). INSTALL F1 AT 3' INITIALLY NEAR ENCLOSURE TO MAKE THE CROSS, THEN RAISE TO ELEVATION SHOWN.
- ALL CONDUITS TO BE RMC UNLESS OTHERWISE NOTED.
- SINGLE CONDUIT DETAIL APPLIES TO F2, M1, M2 AND M3. COLOR VARIES. SEE CONDUIT SCHEDULE.
- WARNING TAPE TO BE MADE OF TRACEABLE METAL MATERIAL, 4.5 MIL THICKNESS, 2 IN WIDTH, SOLID ALUMINUM FOIL CORE, INTENDED FOR OUTDOOR DIRECT BURIAL AND IMPERVIOUS TO DESTRUCTIVE ELEMENTS FOUND IN SOIL. TEXT TO BE IMPRINTED AND AWPACOLOR CODED RED BACKGROUND WITH BLACK TEXT TO READ 'BURIED ELECTRIC LINE BELOW'.

SUBGRADE MATERIAL LEGEND:

- GRAVEL
- TOPSOIL
- BACKFILL
- SCREENED BACKFILL
- SAND
- CONCRETE
- CRUSHED GRANITE
- UNDISTURBED EARTH
- TRACEABLE WARNING TAPE

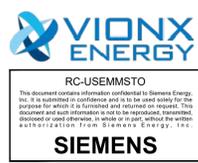
CONDUIT COLOR CODE:

- MEDIUM VOLTAGE SHIELDED CABLES
- LOW VOLTAGE 480VAC CABLES
- LOW VOLTAGE 120/208VAC CABLES
- DC CABLES
- COMMUNICATION CABLES
- FIBER OPTIC CABLES
- OPEN - SPARE

DRAWING NOT ISSUED FOR CONSTRUCTION. FINAL QA/QC TO BE PERFORMED PRIOR TO APPLYING SEAL.

REFERENCE DRAWINGS

- MAN17077-D-0001 BATTERY STORAGE LOCATION PLAN
- MAN17077-D-1301 ELECTRICAL EQUIPMENT CONDUIT PLAN
- MAN17077-D-1308 CHILLER & HEATER PAD CONDUIT PLAN
- MAN17077-TD-0001 CONDUIT SCHEDULE



VIONX ENERGY - 905-0522												
BATTERY STORAGE SYSTEM												
SHIRLEY, MA												
DRAFTER: JBH	ENGR: SDE	DATE: 11 SEP 17										
CHECKER: MB	APPD: PLK	SCALE: 1/2" = 1'-0"										
		<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>24 DEC 17</td> <td>ISSUED FOR CONSTRUCTION</td> </tr> <tr> <td>1</td> <td>32 JAN 18</td> <td>ADDED NOTES FOR CLARIFICATION</td> </tr> </tbody> </table>		REV	DATE	DESCRIPTION	0	24 DEC 17	ISSUED FOR CONSTRUCTION	1	32 JAN 18	ADDED NOTES FOR CLARIFICATION
REV	DATE	DESCRIPTION										
0	24 DEC 17	ISSUED FOR CONSTRUCTION										
1	32 JAN 18	ADDED NOTES FOR CLARIFICATION										
<p>A Division of Electric Power Systems International, Inc. 1338 E. KINGSLEY, SUITE B SPRINGFIELD, MO 65804 PHONE: (417) 886-4840 FAX: (417) 886-4842</p>												
CONDUIT DETAILS			DRAWING NO.									
SHEET 1 OF 2			MAN17077-D-1303									
			REV. 1									