#### Vine Substation Project B.1 PROJECT DESCRIPTION

































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Figure B.1-11: Typical 12-kV Underground Vault





## APPEARANCE AND DIMENSIONS MAY VARY SLIGHTLY BETWEEN MANUFACTURERS

Source: SDG&E,2014

Figure B.1-12: Typical Switch and Capacitor Pad





**Revised Draft MND/Initial Study** 









#### INSTALLATION:

- (A) ALL TRENCH RESURFACING SHALL BE DONE ACCORDING TO GOVERNMENTAL AGENCIES REQUIREMENTS.
- B. SHADING MATERIAL SHALL MEET GAS STANDARD 7405 OR UNDERGROUND 3370/3371 SPECIFICATIONS AND MUST BE APPROVED BY AN SDG&E AUTHORIZED INSPECTOR.
- © BACKFILL MATERIAL SHALL MEET THE GOVERNMENTAL (PERMITTING) AGENCIES REQUIREMENTS AND SDG&E STANDARDS. THE SAND USED FOR THE ONE SACK SLURRY OR TWO SACK, IF REQUIRED BY GOVERNMENTAL AGENCIES, MUST MEET THE CONCRETE SAND SPECIFICATION LISTED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) AND CONTAIN NO GRAVEL. SLURRY MUST BE FIRM BEFORE A PAVEMENT CONCRETE CAP IS INSTALLED. SLURRY IS TYPICALLY USED FOR BACKFILLING AROUND SUBSTRUCTURES, UNDER EQUIPMENT PADS, FOR TRENCHES IN EXISTING PAVED AREAS, AND UNDER CONCRETE OR PAVED DRIVEWAYS.
  - IT MAY NOT BE APPROPRIATE TO USE ONE SACK SLURRY UNDER THE THE FOLLOWING CIRCUMSTANCES:
    - GOVERNMENTAL AGENCIES DO NOT ALLOW ONE SACK OR MAY REQUIRE TWO SACK SLURRY BACKFILL.
    - INACCESSABILITY OF CONCRETE TRUCKS DELIVERING SLURRY.
    - WHEN SLURRY IS NOT COST EFFECTIVE.
    - NEW RESIDENTIAL SUBDIVISIONS, SINGLE FAMILY RESIDENCE SERVICE TRENCH
    - SHALLOW WELD HOLES, POT HOLES, ETC.

Source: SDG&E,2014

### Figure B.1-18: Typical Telecommunications Underground Duct Bank

Revised Draft MND/Initial Study







A. Typical 12-kV Trench

B. Typical 12-kV Duct Bank

Source: SDG&E,2015b

# Figure B.1-21 Typical 12-kV Underground Installation Photographs

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C. Typical Type 3327 Vault

D. Typical Vault Installation

Source: SDG&E,2015b

Figure B.1-22 Typical Type 3327 Vault and Installation Photographs



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