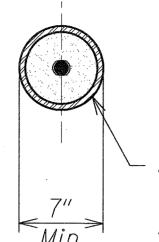


FED. ROAD DIST. NO. SHEET NO. FISCAL YEAR FED. AID STATE HAW. | STP-0300(125) | 2011 | ADD. 44 | 55

- #11 All-Thread Rebar ASTM 615 Grade 75ksi, Epoxy Coated



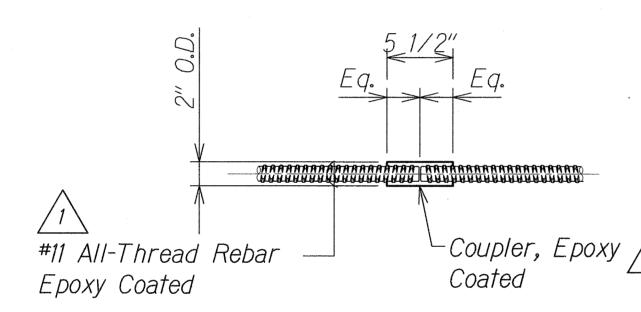
- .498" Wall Thickness , Min. fy = 50 ksi ASTM A252, Grade 3 Hot Dipped Galv.

NOTES:

- 1. Centering devices (centralizers) shall be fabricated from plastic or material non-detrimental to the reinforcing steel.
- 2. The centralizer shall support the reinforcing such that a minimum of 2" of grout cover is provided and shall permit grout to flow freely up the drill hole.

TYPICAL MICROPILE SECTION Scale: 1 1/2" = 1'-0"

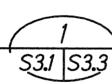




NOTE:

Coupler to develop full ultimate tensile strength of All-Thread Rebar.

COUPLER DETAIL OF ALL-THREAD REBAR (1) Scale: 1 1/2" = 1'-0"

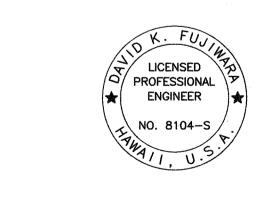


COUPLER INSTALLATION PROCEDURE

- 1. Apply corrosion inhibiting grease to the bare ends of the bars and the inside of the coupler.
- 2. Connect the two bar ends with the coupler. Each end shall be screwed into the coupler half the length of the coupler.
- 3. Add another coat of grease to bare bar and coupler and wrap with two layers of denso tape.

PREPARATION FOR FIELD CUT BARS

1. Cut corrosion protection and all-thread rebar with an abrasive saw (<u>DO NOT USE A TORCH</u>).



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAI'I DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

MICROPILE DETAIL AND SECTION

CASTLE HILLS ACCESS ROAD Drainage Improvements, Phase 2 Federal-Aid Project No. STP-0300(125)

Scale: As Shown

Date: Dec. 2011

SHEET No. 53.3 OF 17 SHEETS

01/19/12 Revised Bar Size. Revised Casing Properties. Revised Coupler Properties.

DATE

REVISION

ADD. 44