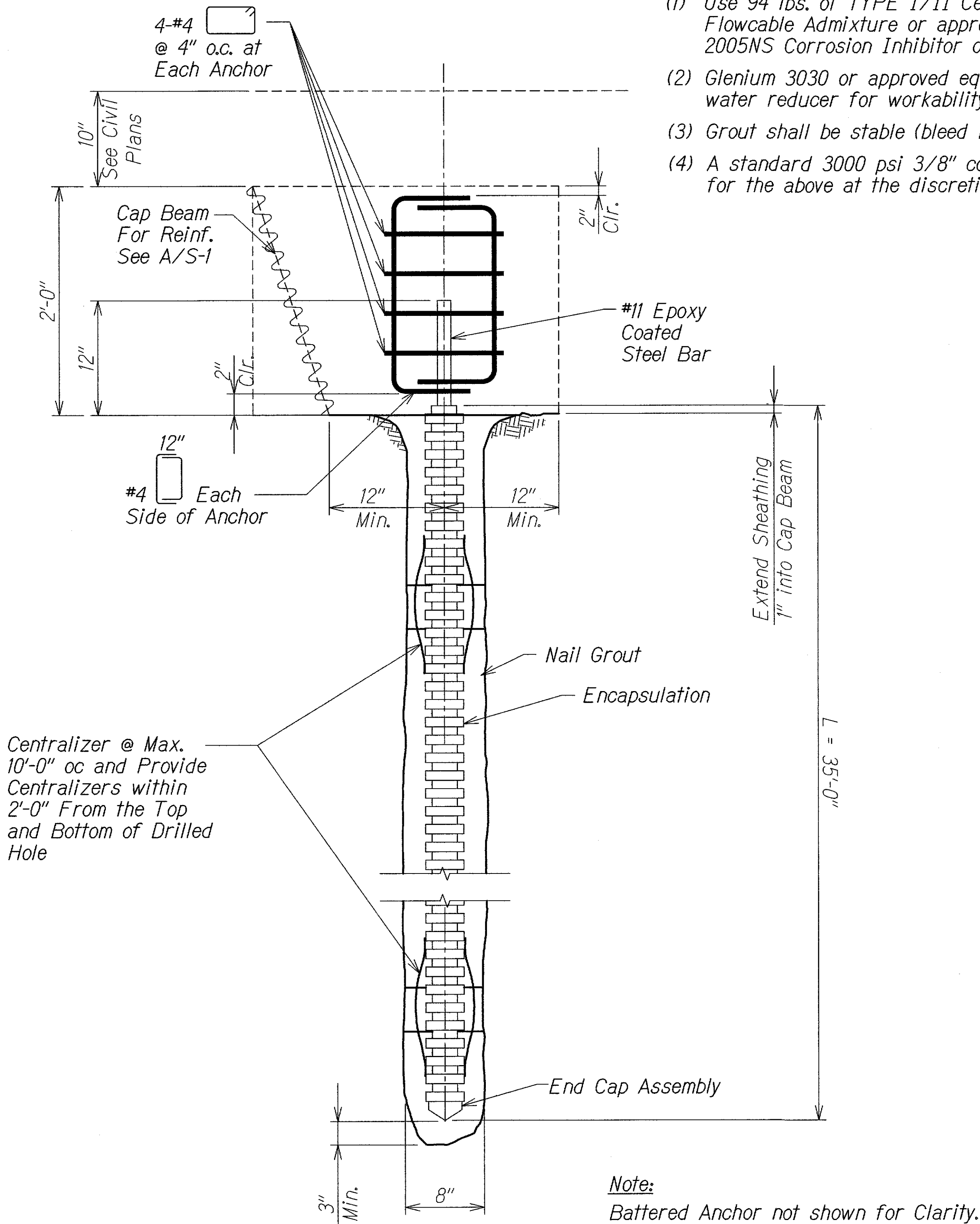


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-16(004)	2012	5	5

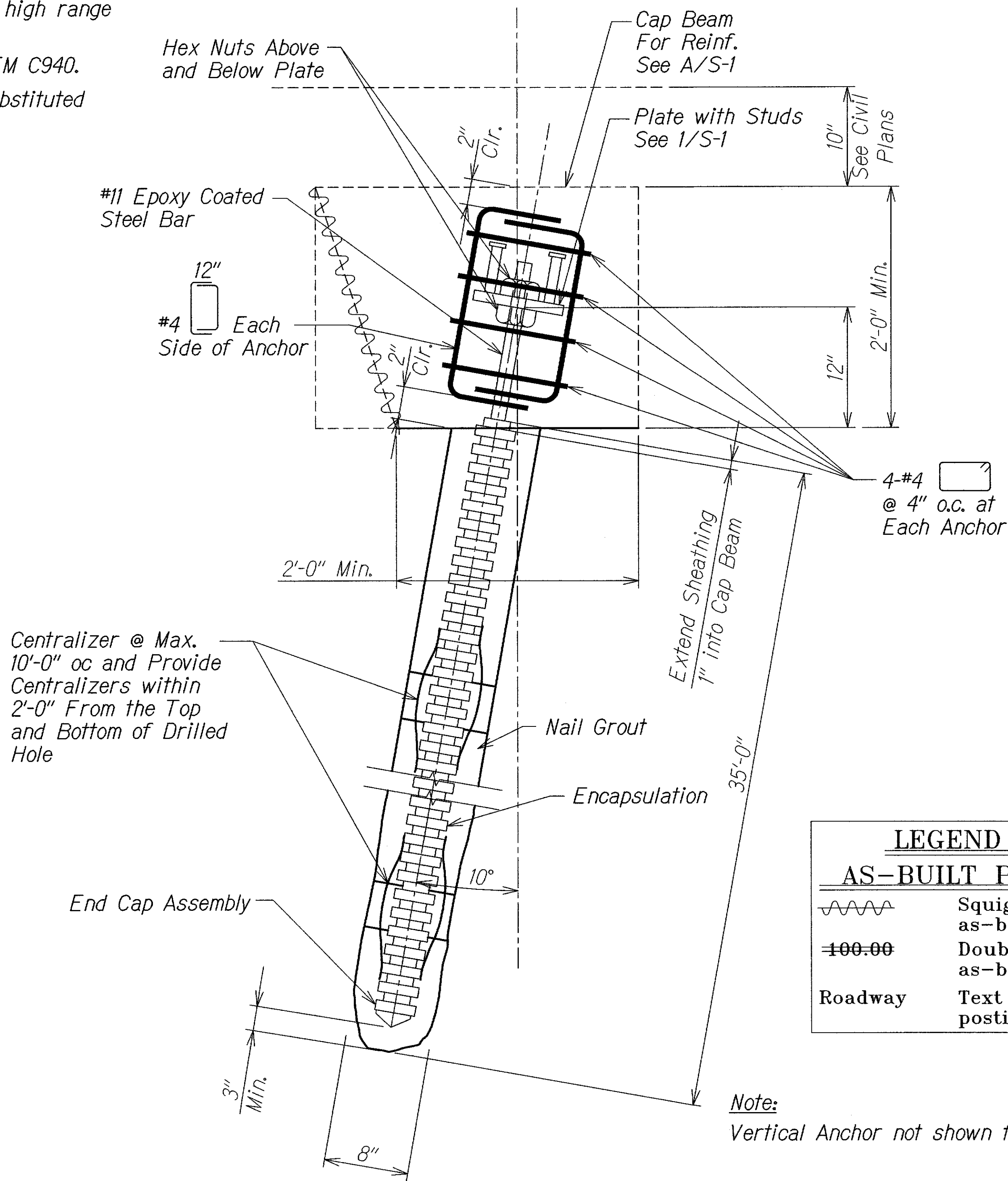
**Notes:**

Soil Nail Grout shall be:  $f'_c = 4000$  psi.

- (1) Use 94 lbs. of TYPE I/II Cement, 4 gallons of water, 3-6 lbs. of Flowcable Admixture or approved equal and 1 oz. of Cortec MCI 2005NS Corrosion Inhibitor or approved equal.
- (2) Glenium 3030 or approved equal may be used as a high range water reducer for workability as needed.
- (3) Grout shall be stable (bleed less than 2%) per ASTM C940.
- (4) A standard 3000 psi 3/8" coarse grout may be substituted for the above at the discretion of the Engineer.



**ENCAPSULATED VERTICAL SOIL NAIL DETAIL A**  
Not to Scale



**ENCAPSULATED BATTERED SOIL NAIL DETAIL B**  
Not to Scale

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

Note:  
Vertical Anchor not shown for Clarity.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SOIL NAIL ANCHOR DETAILS**  
**KUHIO HIGHWAY (ROUTE 560) EMERGENCY SLOPE STABILIZATION IN HANALET AT M.P. 1**  
**Federal Aid Proj. No. ER-16(004)**

Scale: As Shown Date: April 2, 2012

SHEET No. S-2 OF 2 SHEETS

"AS-BUILT"