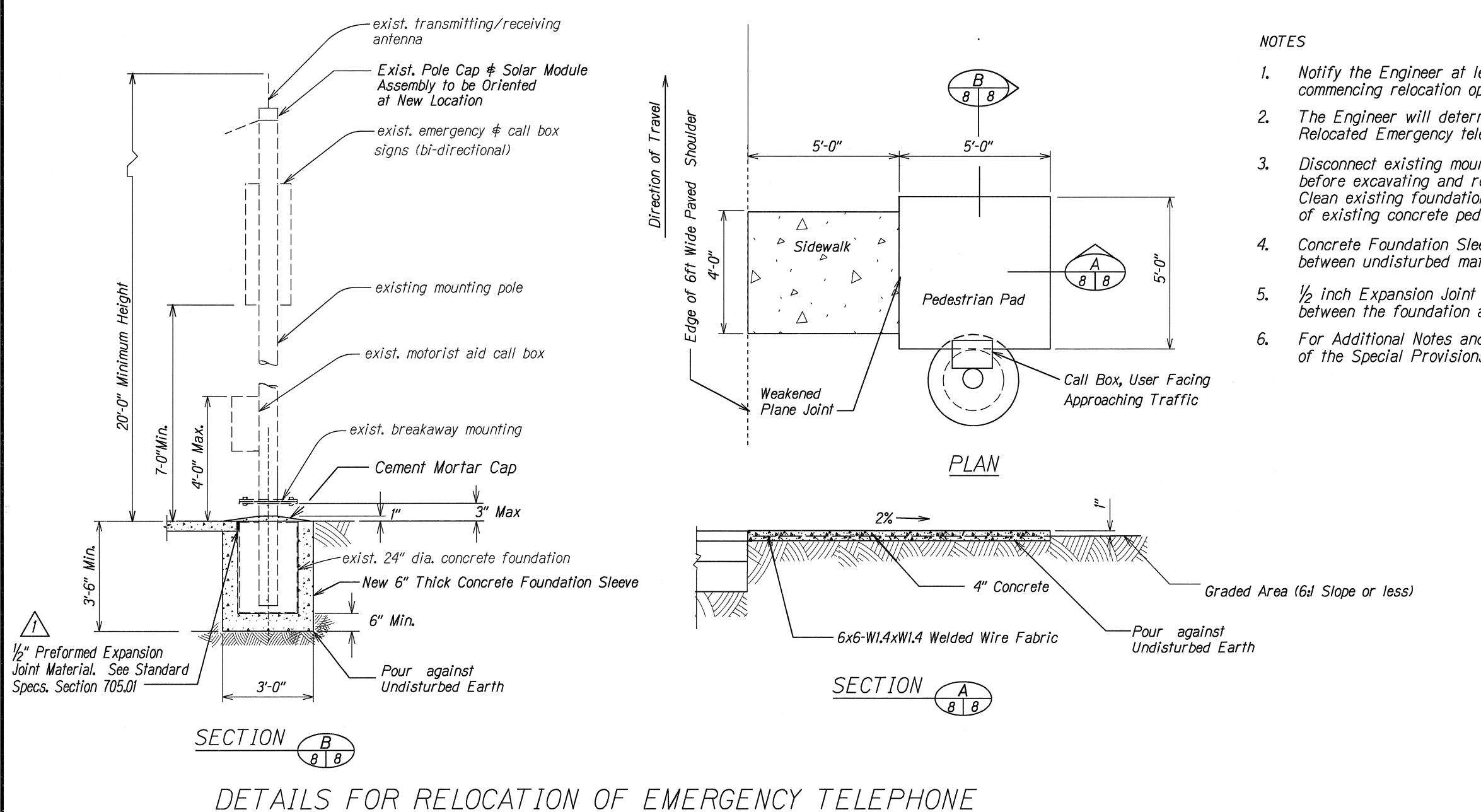
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-98	1999	ADD.9	21



Not to Scale

- 1. Notify the Engineer at least 3 days before commencing relocation operations.
- The Engineer will determine the exact location of the Relocated Emergency telephone Station in the field.
- Disconnect existing mounting pole assembly from base before excavating and removing existing concrete foundation. Clean existing foundation after removal. Remove and dispose of existing concrete pedestrian pad.
- Concrete Foundation Sleeve shall be Class B placed between undisturbed material and existing foundation.
- 5. ½ inch Expansion Joint Material shall be placed between the foundation and abutting concrete pad.
- For Additional Notes and Specifications See Section 664 of the Special Provisions.

1 5-25-99 Revised Note. DATE REVISION

> STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION** HIGHWAYS DIVISION

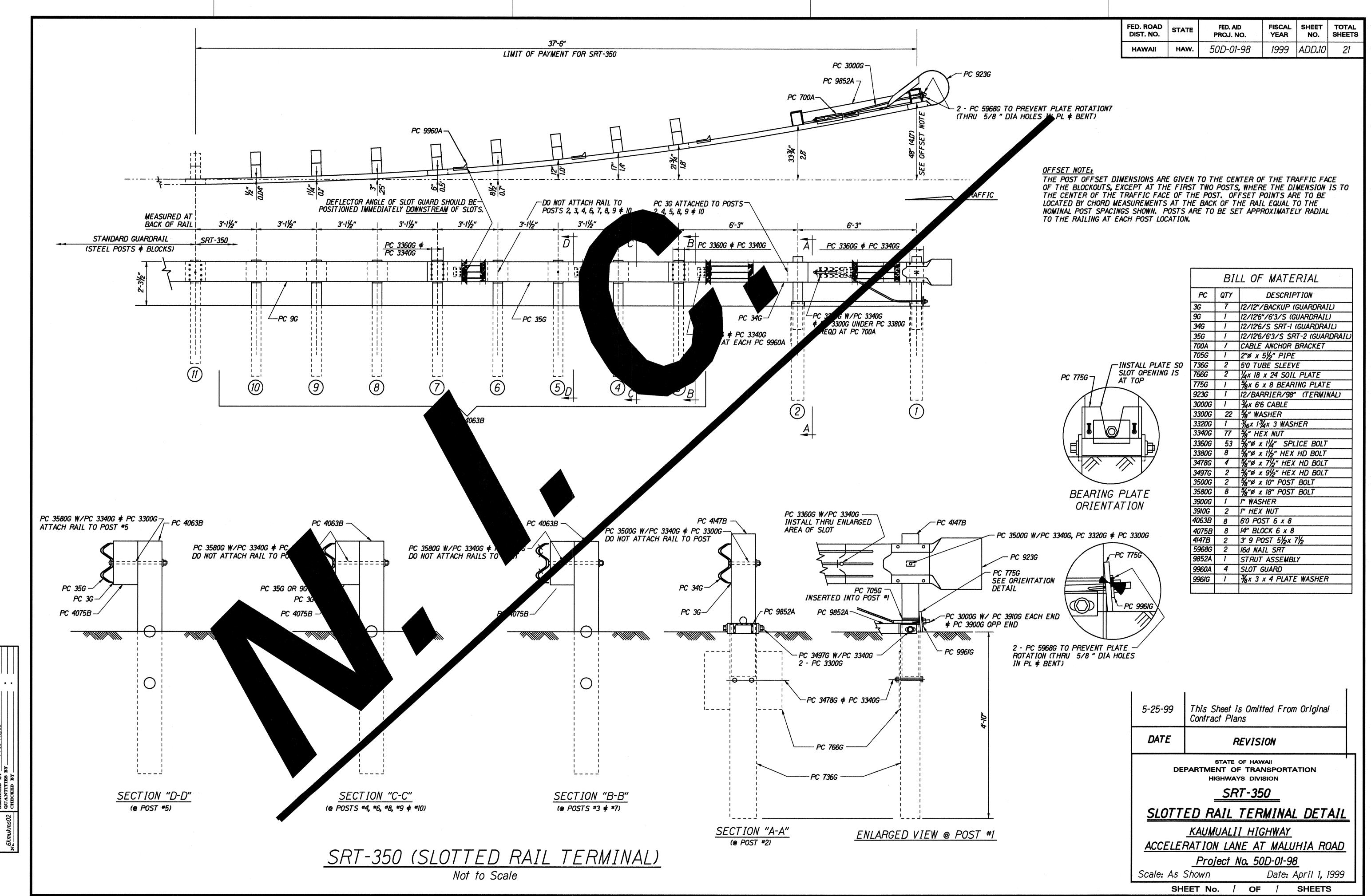
EMERGENCY TELEPHONE

RELOCATION DETAIL KAUMUALII HIGHWAY

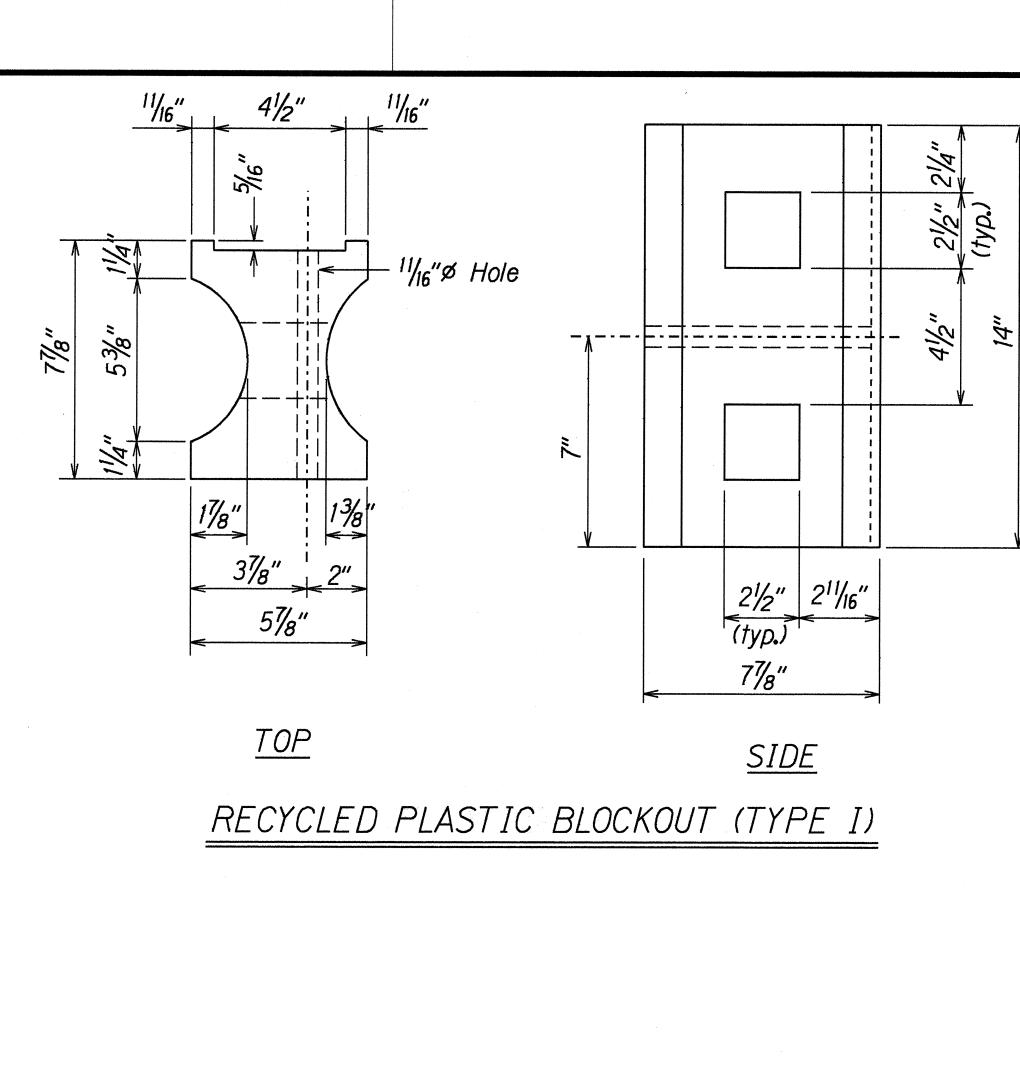
ACCELERATION LANE AT MALUHIA ROAD

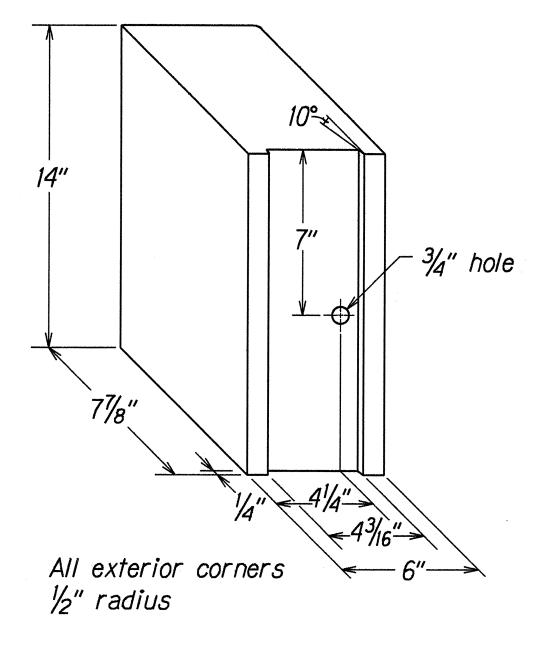
Project No. 50D-01-98 Scale: Varies Date: August 1998

SHEET No. 1 OF 1 SHEETS ADD.9

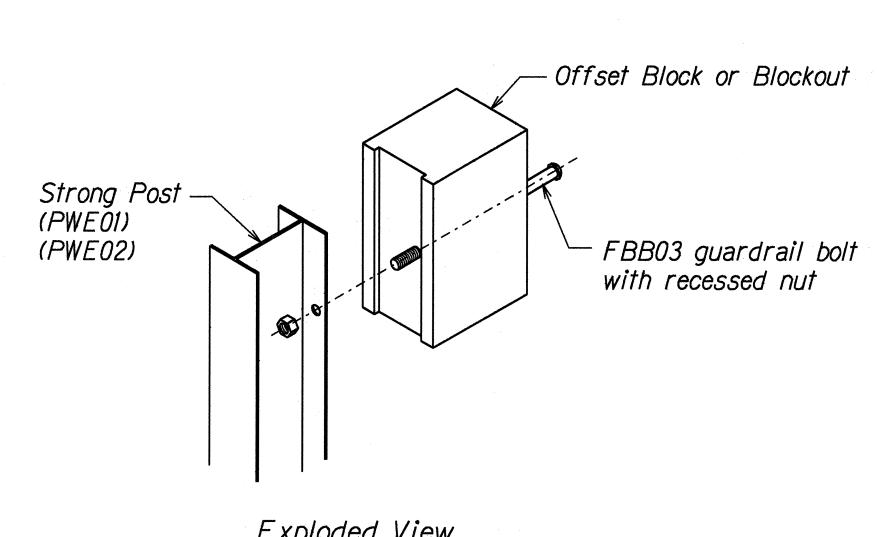


ADD.10

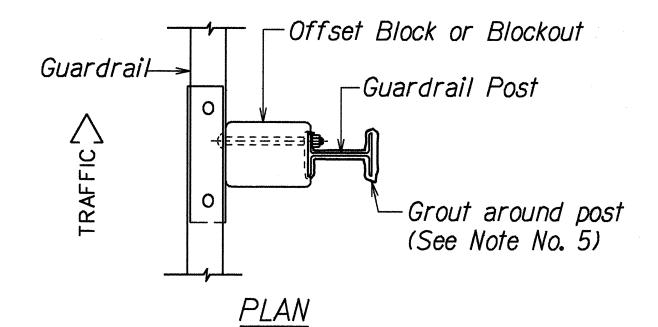




RECYCLED POLYETHYLENE OFFSET BLOCK (TYPE II)



Exploded View (Rail and washer not shown) STEEL POST AND BLOCK DETAIL

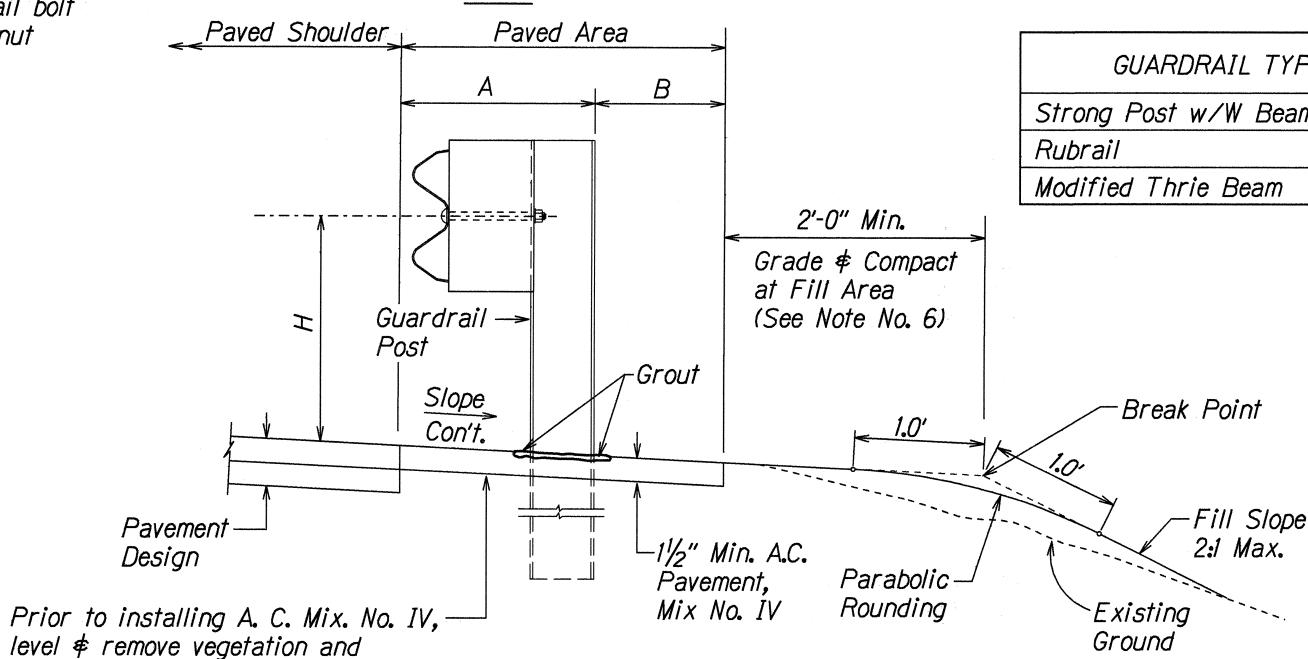


ELEVATION

TYPICAL GUARDRAIL INSTALLATION

compact existing ground to 95%

compaction.



FED. ROAD DIST. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS STATE PROJ. NO. 1999 ADDJOS-1 21 50D-01-98 HAW.

GENERAL NOTES

- 1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
- 2. Where conditions require, special post lengths in increments of 6 inches may be specified.
- 3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM02b, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report. Dimensions of fastners, posts and rail elements have been converted from metric units into their present form.
- 4. The Recycled Plastic Block or Offset Block shall be approved by the State.
- 5. After the guardrail posts are installed in the paved area, the Contractor shall grout around the guardrail post and seal all cracks in the paved area that was caused during the guardrail post installation. If required by the inspector/ engineer, the Contractor shall tamper the paved area around the guardrail post prior to grouting. The cost for this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
- 6. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.

GUARDRAIL TYPE	D.	DIMENSION		
GUANDRAIL TIFE	H	Α	В	
Strong Post w/W Beam	1'-95%"	1′-6″	1'-0"	
Rubrail	2'-0"	1'-6"	2'-0"	
Modified Thrie Beam	2'-0"	2'-0"	1'-0"	

2:1 Max.

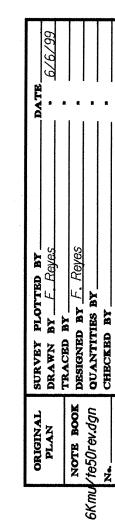
5-25-99 Added Sheet to the Original Contract Plans. DATE REVISION STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION GUARDRAIL DETAILS & NOTES

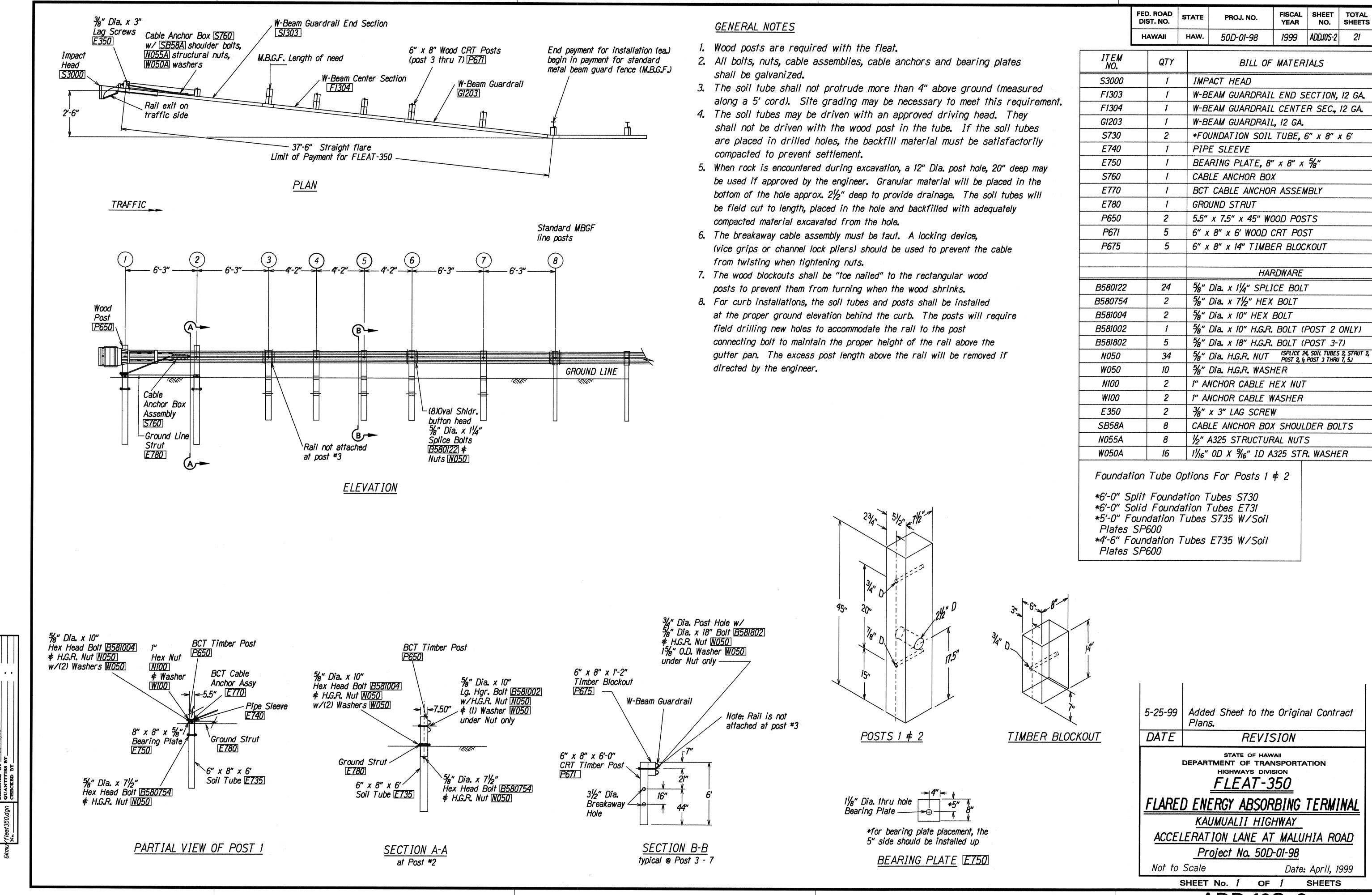
KAUMUALII HIGHWAY ACCELERATION LANE AT MALUHIA RD

Project No. 50D-01-98

Not to Scale Date: April, 1999 OF 1 SHEET No. 1 SHEETS

ADD.10S-1





ADD.10S-2