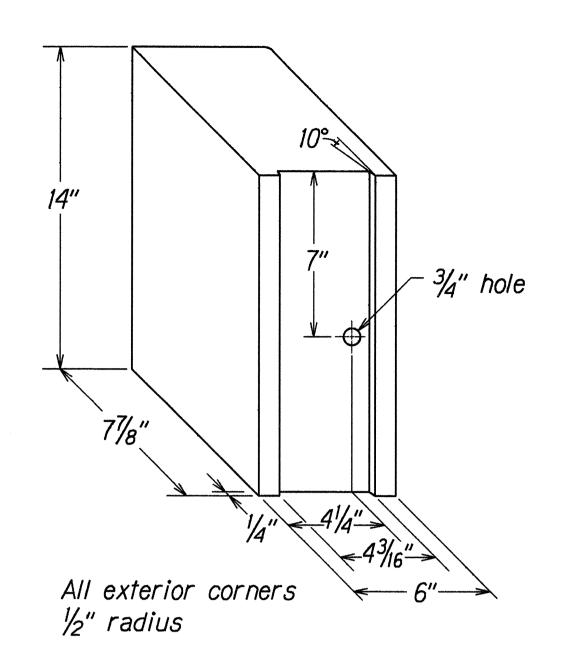


Exploded View (Rail and washer not shown) STEEL POST AND BLOCK DETAIL

<u>PLAN</u>

Guardrail—

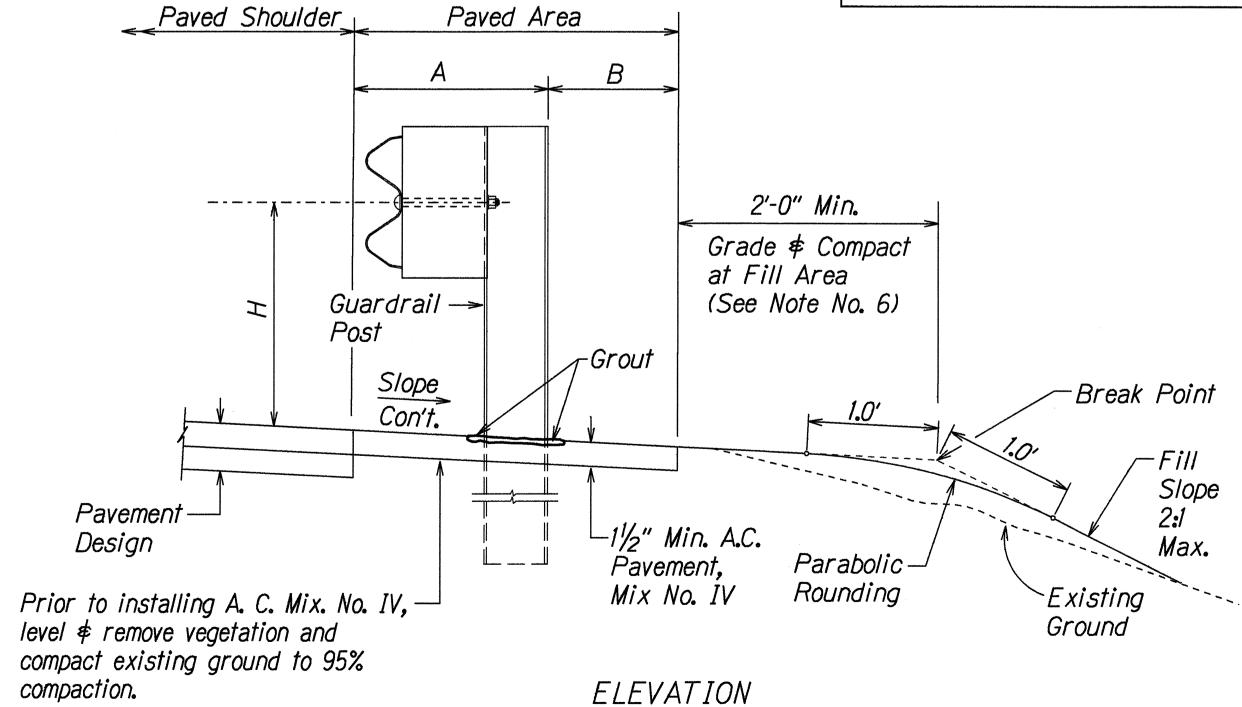


RECYCLED POLYETHYLENE OFFSET BLOCK (TYPE II)

GENERAL NOTES

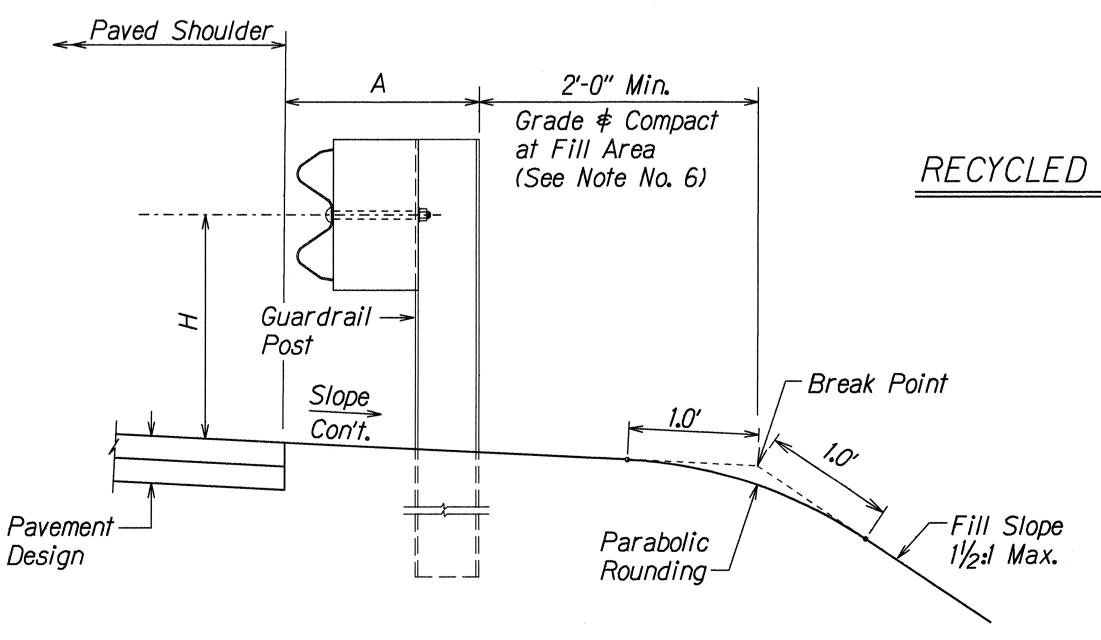
- 1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
- 2. Where conditions require, special post lengths in increments of 6 inches may be specified.
- 3. All fasteners, posts, and rail elements (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 quardrail 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	DIMENSION		
Grout around post (See Note No. 5)		Н	Α	В
	Strong Post w/W Beam (Perm. Installation)	1'-95/8"	1′-6″	1'-0"
	Strong Post w/W Beam (Temp. Installation)	1'-95/8"	1'-6"	n/a
	Rubrail	2'-0"	1'-6"	2'-0"
	Modified Thrie Beam	2'-0"	2'-0"	1'-0"



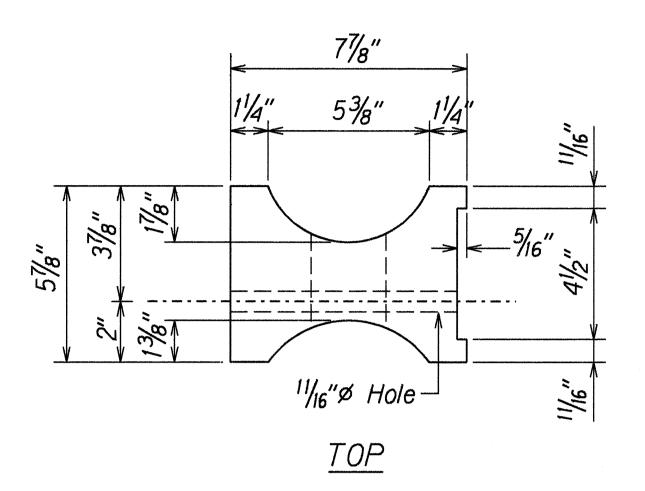
PERMANENT GUARDRAIL INSTALLATION ON HAWAII BELT ROAD

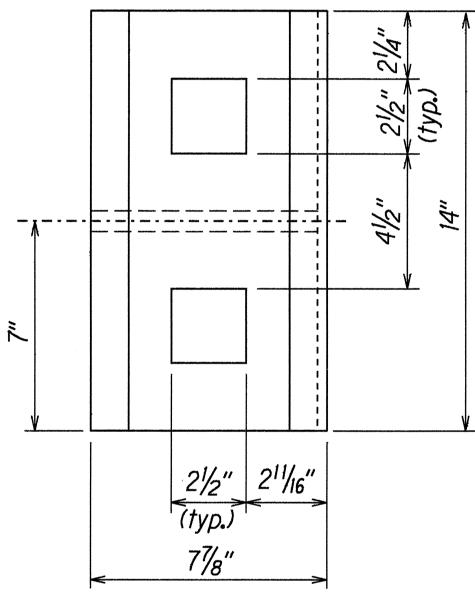
-Offset Block or Blockout



ELEVATION TEMPORARY GUARDRAIL INSTALLATION ON DETOUR ROADS

FISCAL SHEET TOTAL YEAR NO. SHEETS FED. ROAD DIST. NO. FED. AID PROJ. NO. STATE BR-0190(13) 1999 61





<u>SIDE</u>

RECYCLED PLASTIC BLOCKOUT (TYPE I)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS & NOTES

HAWAII BELT ROAD Replacement of Auwaiakeakua and Popoo Bridges Federal Aid Proj. No. BR-0190(13)

Scale: NTS

SHEETS

Date: March 1999 OF 1 SHEET No. 1

