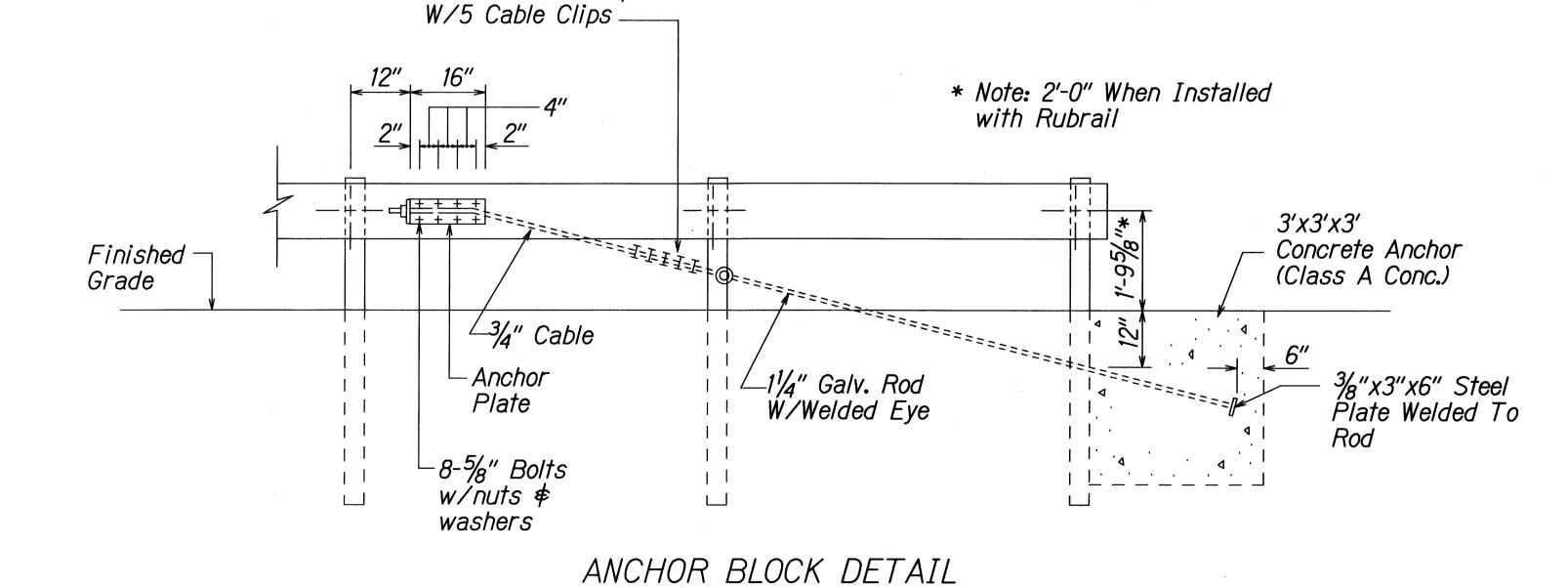


$-\frac{3}{4}$ " Cable to 51/16" be swage connected 1/4" Stud threaded entire length -

STANDARD SWAGED FITTING AND STUD

Secure Cable Loop



FED. ROAD DIST. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS PROJ. NO. For Details of Concrete Anchor Block in Ground 30A-01-10M 2011 HAW. See Det. below. Flared End — Edge of Paved Area Varies -Edge of Travelway Direction of Traffic Paved Shoulder 13'-0" PLAN Limits of Payment for Type "G" Flare Finished Grade—

TYPE "G" FLARE END TERMINAL

ELEVATION

NOTE:

Type "G" Modified End Terminal is a site specific end terminal with a taper and radial termini. A site specific detailed drawing is required for all Type "G" Modified End Terminal and must receive Engineer's approval.

The taper (flare rate) of the guardrail shall follow the latest edition of AASHTO'S Roadside Design Guide (currently, Table 5.6 - Suggested Flare Rate for Barrier Design, page 5-21, Jan. 1996 edition).

The radius of the radial termini is an Engineer's judgement based on the site evaluation. The Engineer shall consider safety (minimize the spearing # blunt end situation); degree and potential seriousness of the hazard; bicycle and pedestrian accessibility; maintenance equipment accessibility; Right-of-Way availability; the smallest radii the metal w-beam/thrie-beam railing can be constructed (check with supplier/contractor); posted speed limit; angle of vehicle impact; and aesthetics when designing the Type "G" Modified End Terminal.

During construction, the Contractor shall layout the proposed Type "G" Modified End Terminal and receive approval from the Construction Engineer prior to installation.

> STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TYPE "G" FLARED END TERMINAL

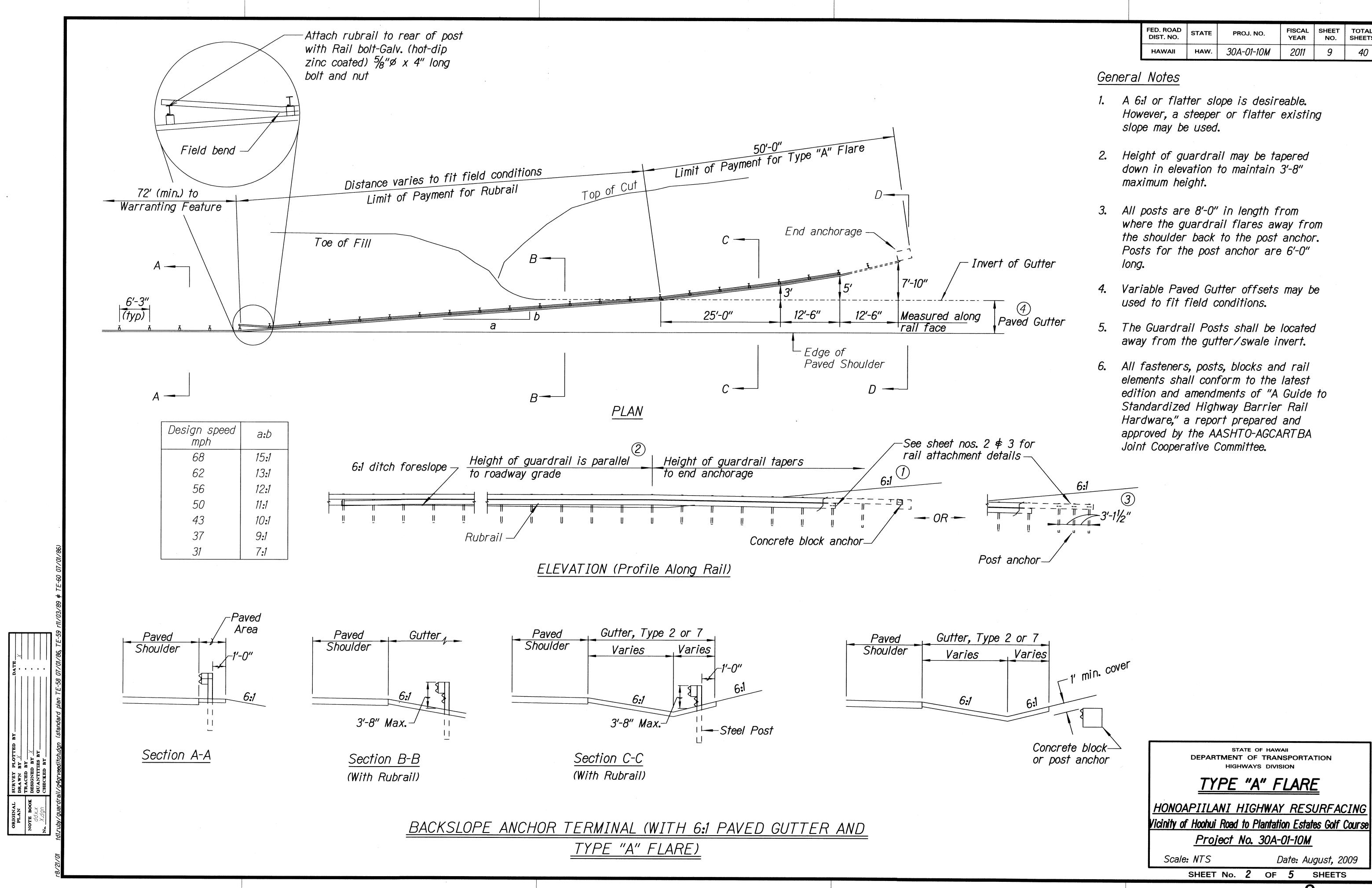
HONOAPIILANI HIGHWAY RESURFACING Vicinity of Hoohui Road to Plantation Estates Golf Course Project No. 30A-01-10M

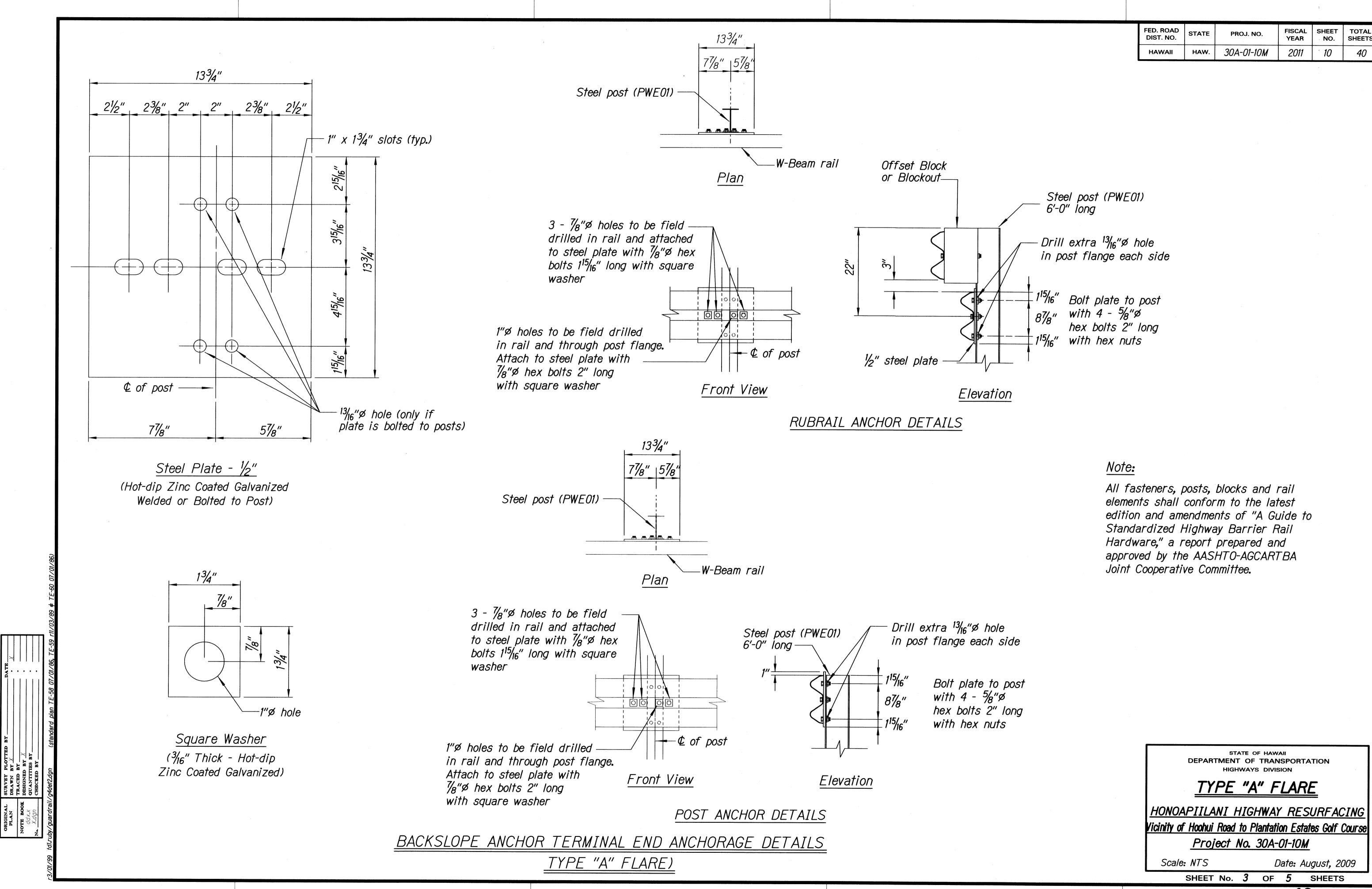
Scale: NTS

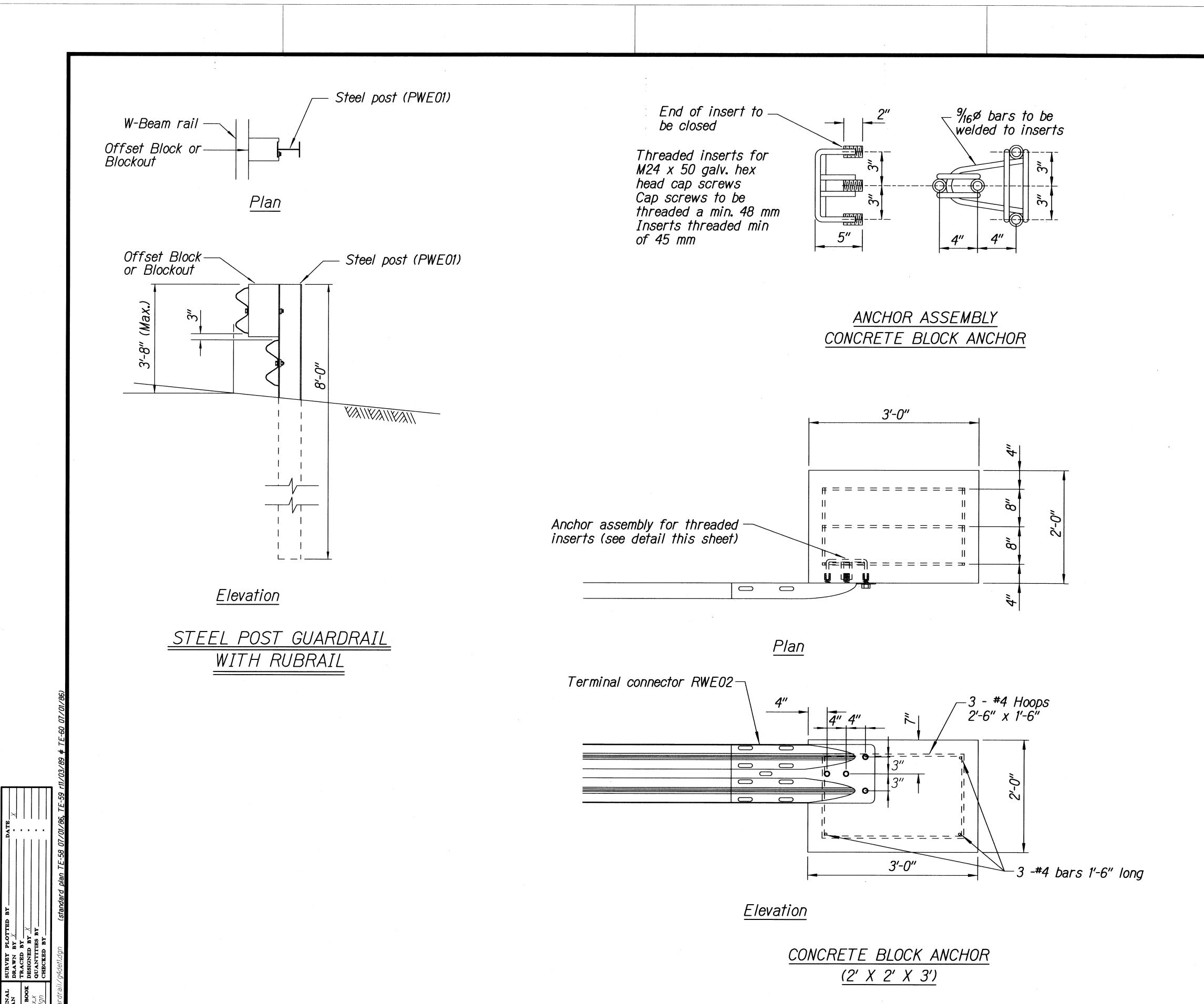
Date: August, 2009 SHEET No. 1 OF 5 SHEETS

SURVEY
DRAWN
TRACED
DESIGNED

1. Concrete, G.R.P., excavation, anchor rod and miscellaneous appurtenances necessary to anchor the guardrail ends shall be incidental to metal guardrail.







BACKSLOPE ANCHOR TERMINAL END ANCHORAGE DETAILS

TYPE "A" FLARE)

FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL YEAR NO. SHEET NO. SHEETS

HAWAII HAW. 30A-01-10M 2011 11 40

Note:

All fasteners, posts, blocks and rail elements 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-AGCARTBA Joint Cooperative Committee.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPE "A" FLARE

HONOAPIILANI HIGHWAY RESURFACING
Vicinity of Hoohui Road to Plantation Estates Golf Course

Project No. 30A-01-10M

Scale: NTS

Date: August, 2009

SHEET No. 4 OF 5 SHEETS

1

