

Not to Scale

GENERAL NOTES

- 1. See Standard Specifications for Road # Bridge Construction, (Hawaii,1985) # Special Provisions.
- 2. See State of Hawaii, D.O.T. Standard Plan Sht.# TE-57 for Metal Guardrail and "Terminal Connector" Details.
- 3. All anchor bolts shall be high strength bolts conforming to the requirements of ASTM A325.
- 4. "Terminal Connector" shall be fabricated from 10 gauge steel conforming to the requirements of AASHTO M 180.
- 5. "Terminal Connector", including all anchor bolts, cap PL's, nuts and washers, shall be hot-dip galvanized after fabrication.
- 6. Anchor bolt length shall be such that a snug fit of the elements and full thread engagement plus 1/4" (max) is attained.
- 7. Existing end post shown by hatched area.
- 8. Large impacting or vibratory type of equipment will not be permitted in the removal operation of the designated items nor for drilling of holes.
- 9. Any damage to the existing end post due to the Contractor's operation shall be repaired at his expense, to the satisfaction of the Engineer.
- 10. The Contractor shall verify all dimensions in the field before commencing with work.
- 11. The Contractor shall verify the location of all existing utility lines near structures and notify their respective owner before commencing with work.
- 12. The work necessary to connect guardrail to concrete and post shall include all labor, materials, tools, equipment and in incidentials necessary to complete the work and shall be incedential to the metal guardrail and will not be paid for seperately.
- 13. Contract items will be paid for in units indicated in the Estimated Quantities.

Note: This tracing prepared during "As-Built" posting.

	THOUSE	TOD AC DILLE DOCUMENCO					
	<u>LEGEND</u>	FOR AS-BUILT POSTINGS					
Squiggly line for as-built del							
100.00 Double line for as-built deleti							
	Roadway	Text for as-built posting					

ESTIMATED QUANTITIES										
ITEM NO.	Type as shown on (C.C.O. No.5)	UNIT	CULVERT AT STA. 428+87±	CULVERT CUVERT AT	QUANTITIES CULVERT CUVERT AT STA. 466+67±	CULVERT CUVERT AT STA. 470+44±	TOTAL			
507.7610	Type (A) Concrete End Post	Ea.	-	-	2 2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2 4			
507.7620	Type (B) Concrete End Post	Ea.	2	2		4 2	9 7			
606.3112	Guardrail Type 3TG	Lin. Ft.	50	50	75	100	275			

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LEGEND

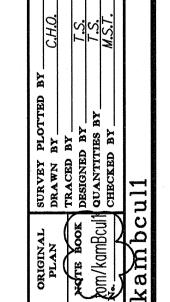
"Type Concrete End Post and "Guardrail Type 3TG" See "Location Plan" for "Type Concrete End Post" location and details on Sht<u>#Q2</u>.

SAFETY IMPROVEMENTS AT CULVERTS

LAYOUT PLANS, GENERAL NOTES AND
ESTIMATED QUANTITIES
KAMEHAMEHA HIGHWAY RESURFACING

KAMEHAMEHA HIGHWAY RESURFACING
Fed. Aid Project No. STP-083-1(28)
Noted Date: May, 1994

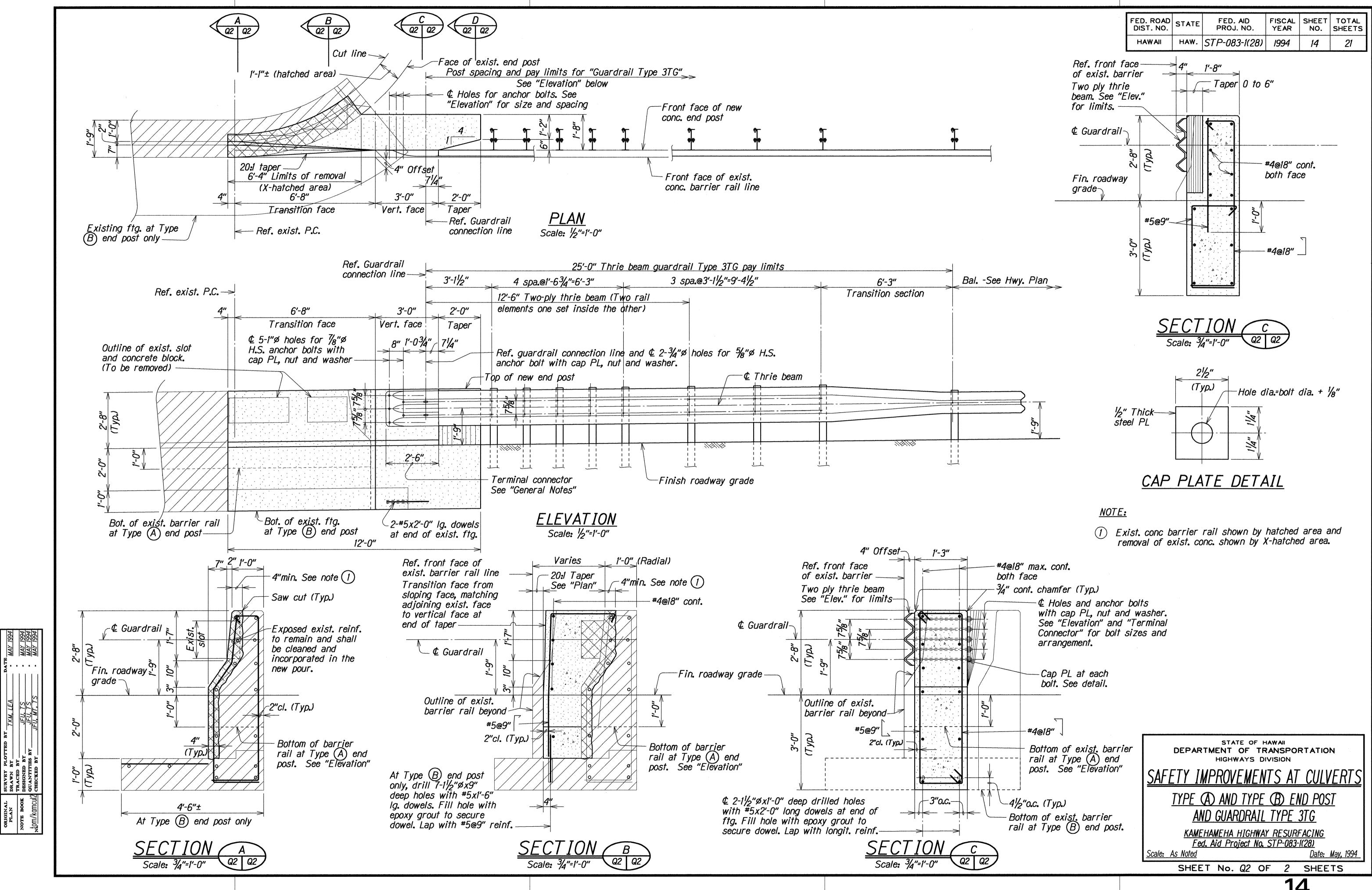
SHEET No. Q1 OF 2 SHEETS

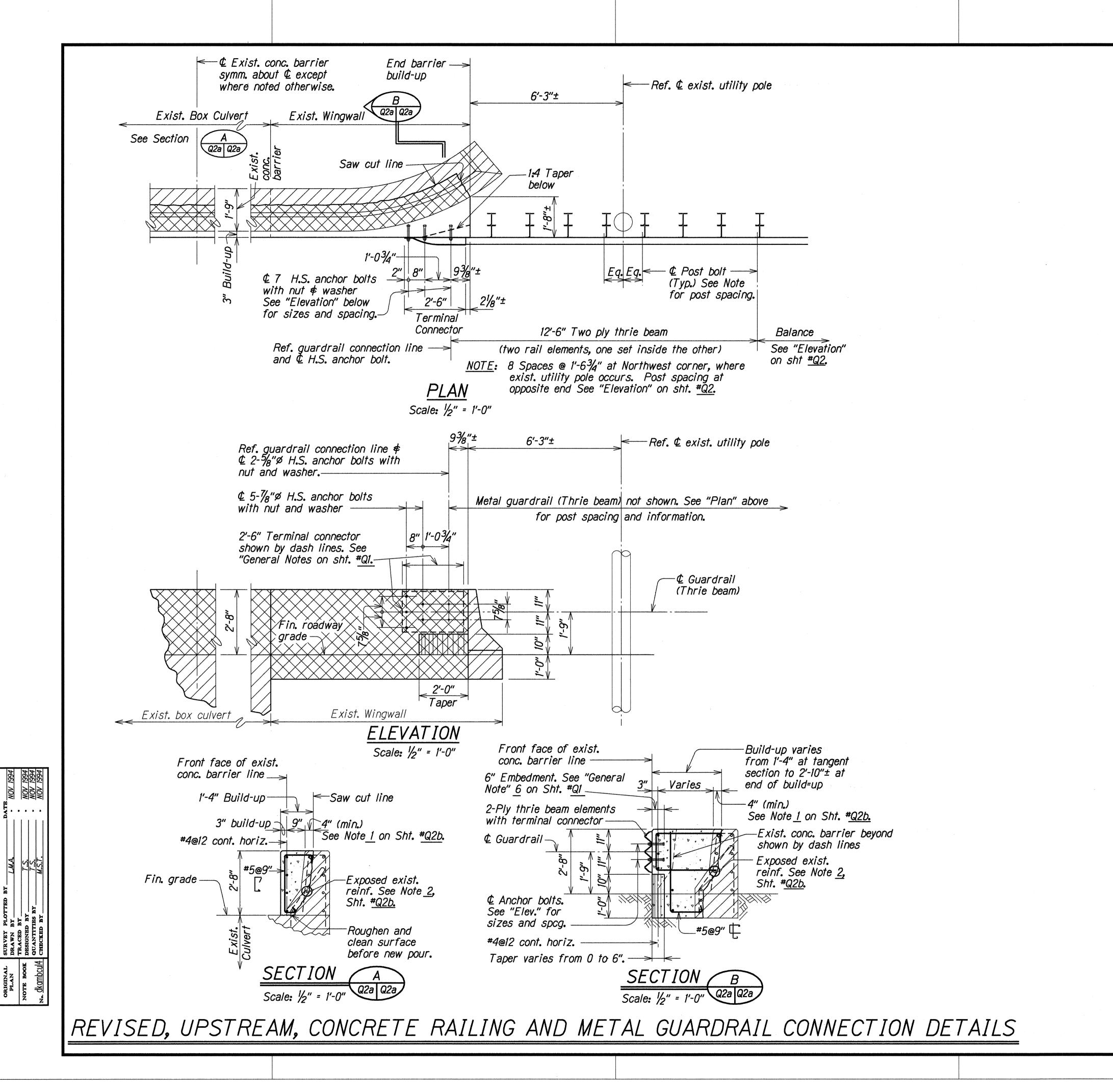


MAY 1994 MAY 1994 MAY 1994 MAY 1994

"AS-BUILT"

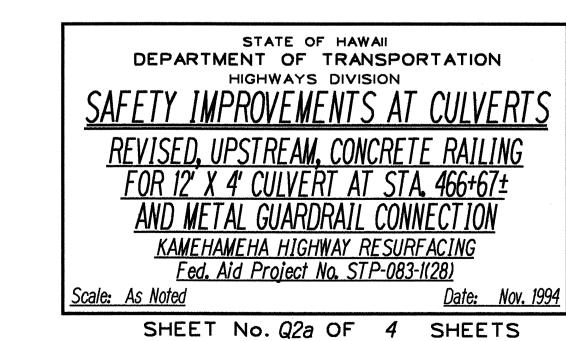
13

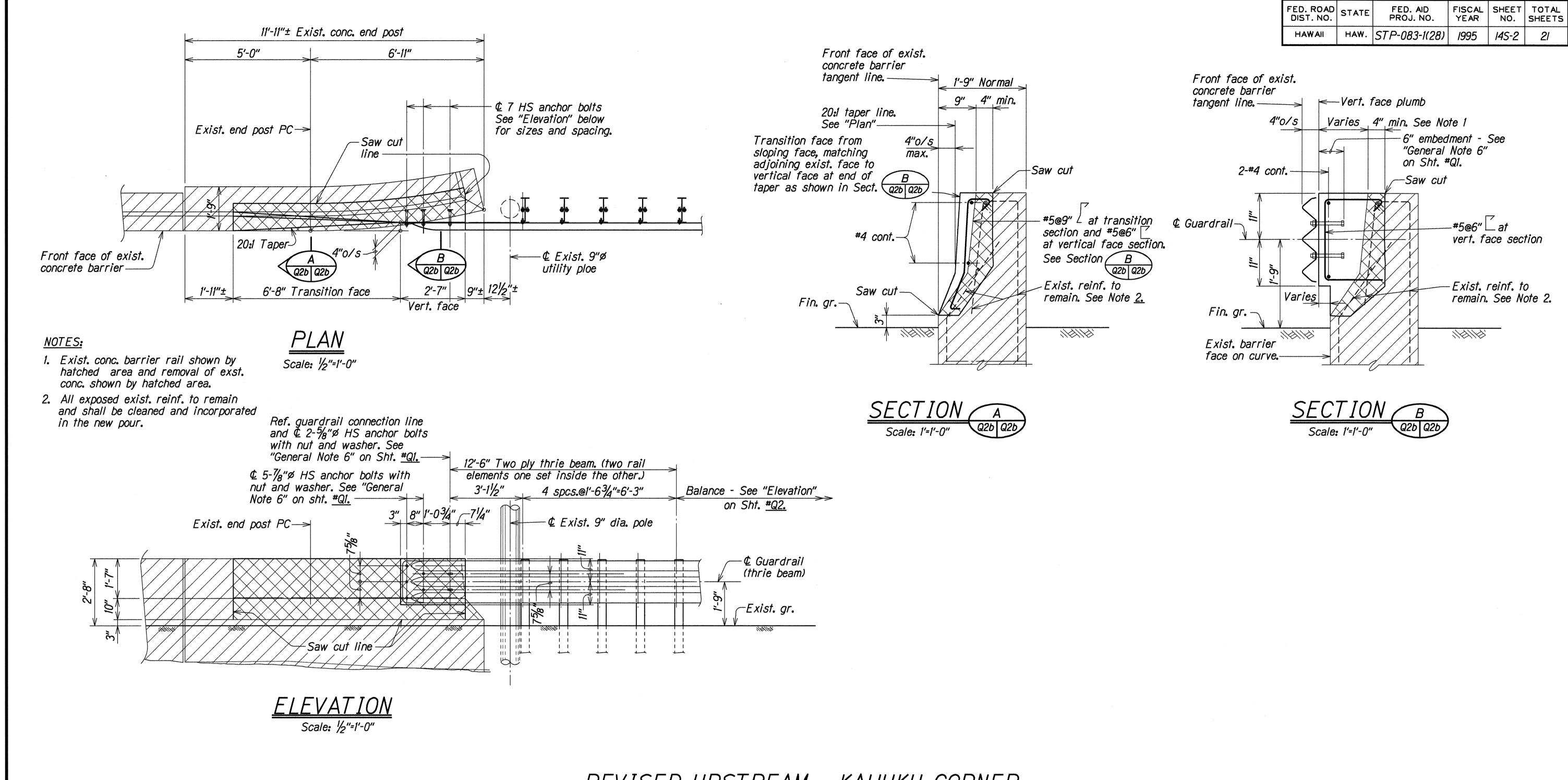




FED. ROAD STATE FED. AID FISCAL SHEET TOTAL SHEETS

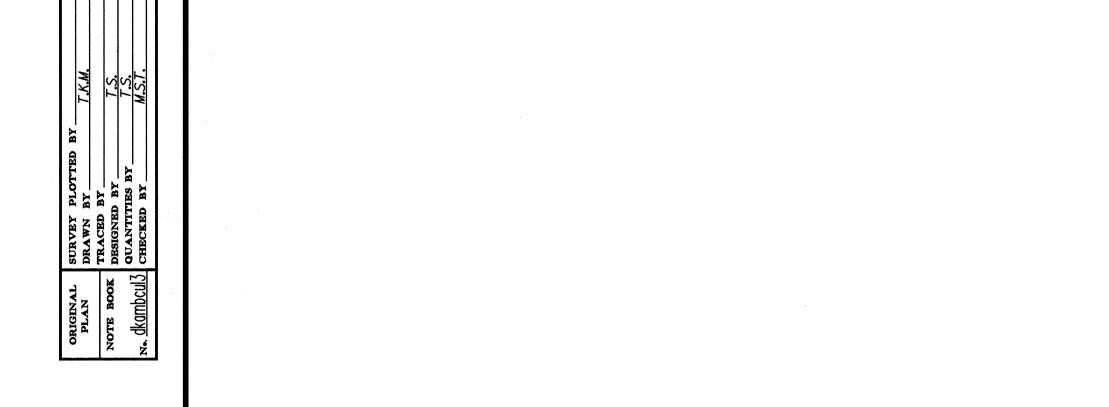
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Scale: As Shown



NOV 1994 NOV 1994 NOV 1994 NOV 1994

SAFETY IMPROVEMENTS AT CULVERTS

REVISED END POST DETAILS
AT CULVERT NO. 1, STA. 470+44

KAMEHAMEHA HIGHWAY RESURFACING
Fed. Aid Project No. STP-083-1(28)

STATE OF HAWAII

cale: As Noted

SHEET No. Q2b OF 4 SHEETS