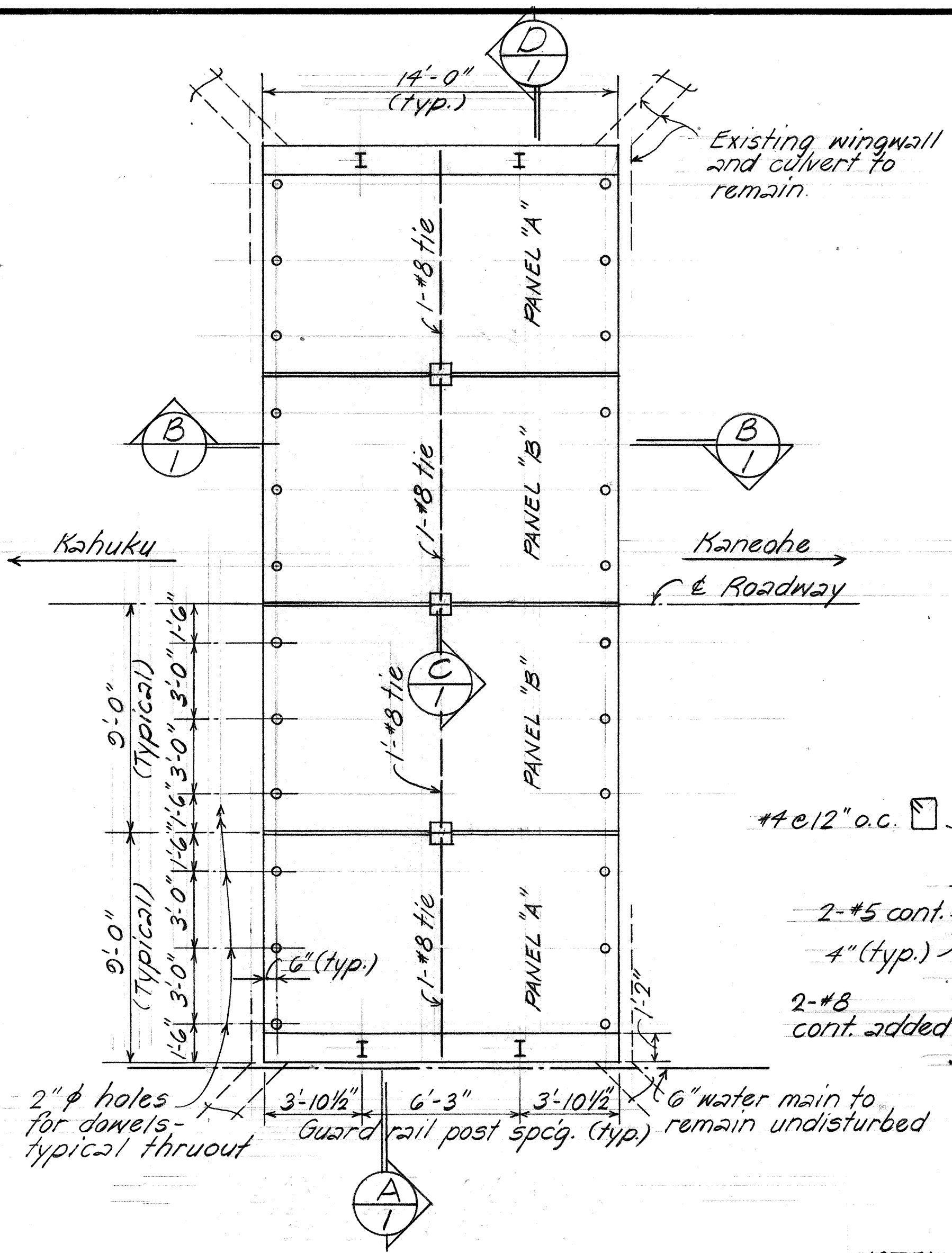
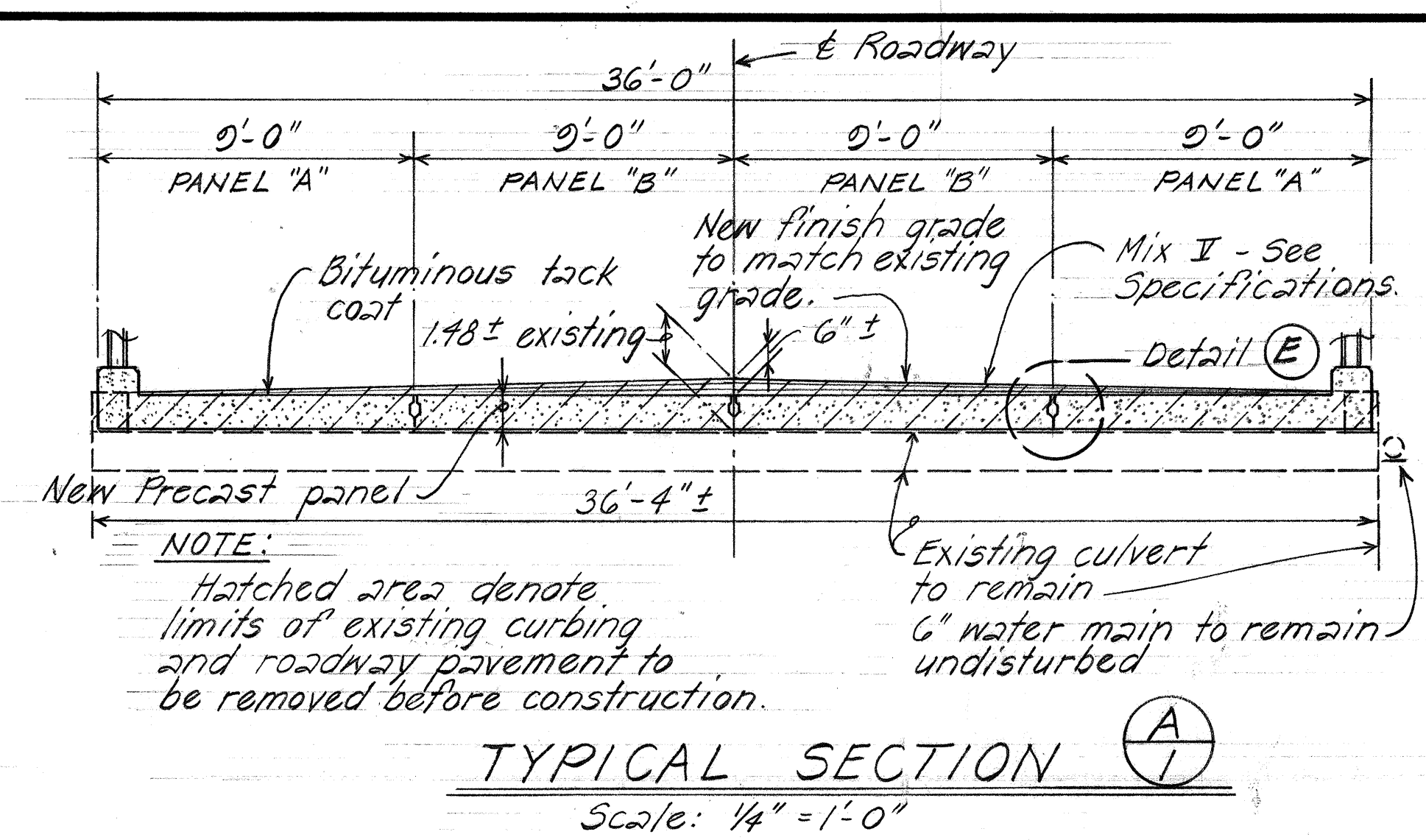


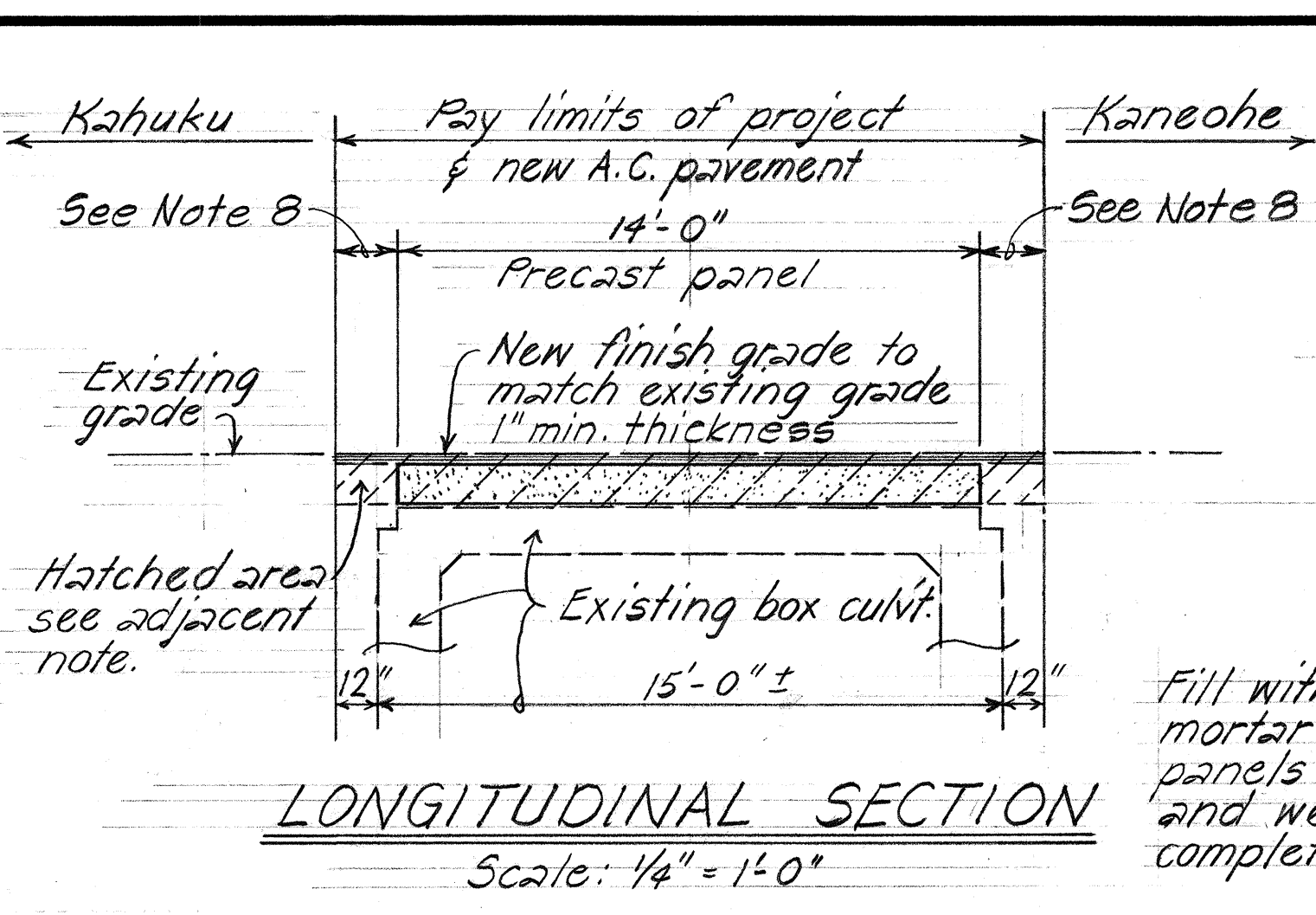
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-76M	1976	3	11



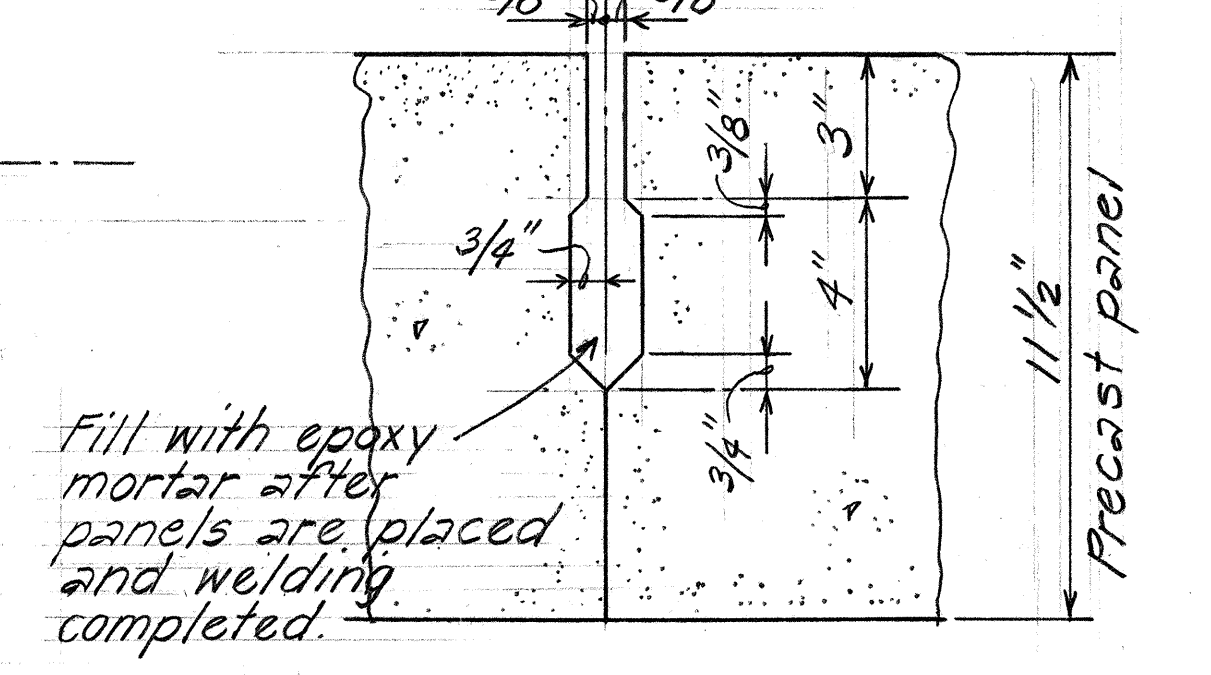
**LAYOUT PLAN**  
Scale: 1/4" = 1'-0"



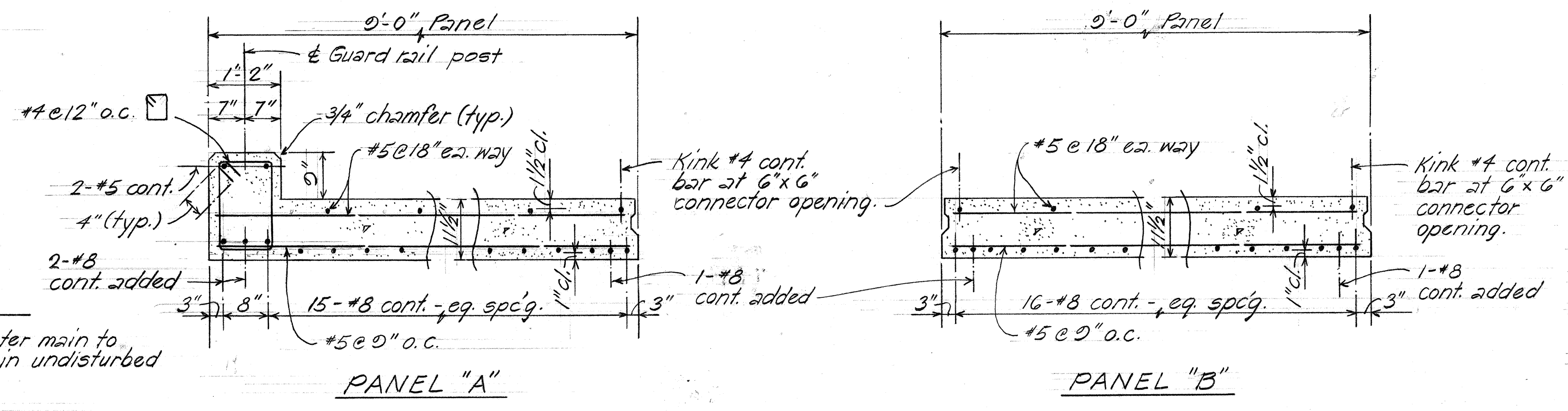
**TYPICAL SECTION**  
Scale: 1/4" = 1'-0"



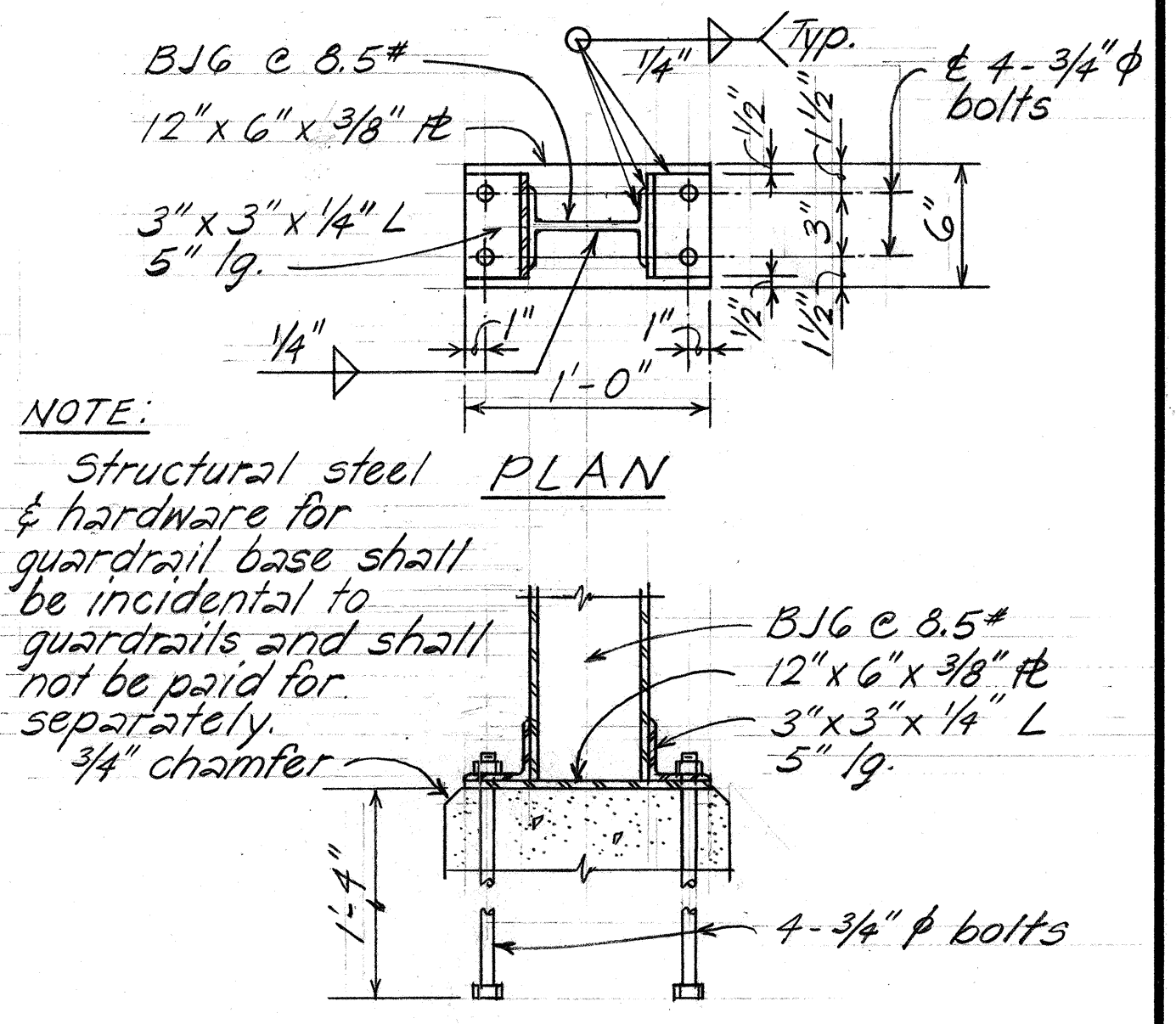
**LONGITUDINAL SECTION**  
Scale: 1/4" = 1'-0"



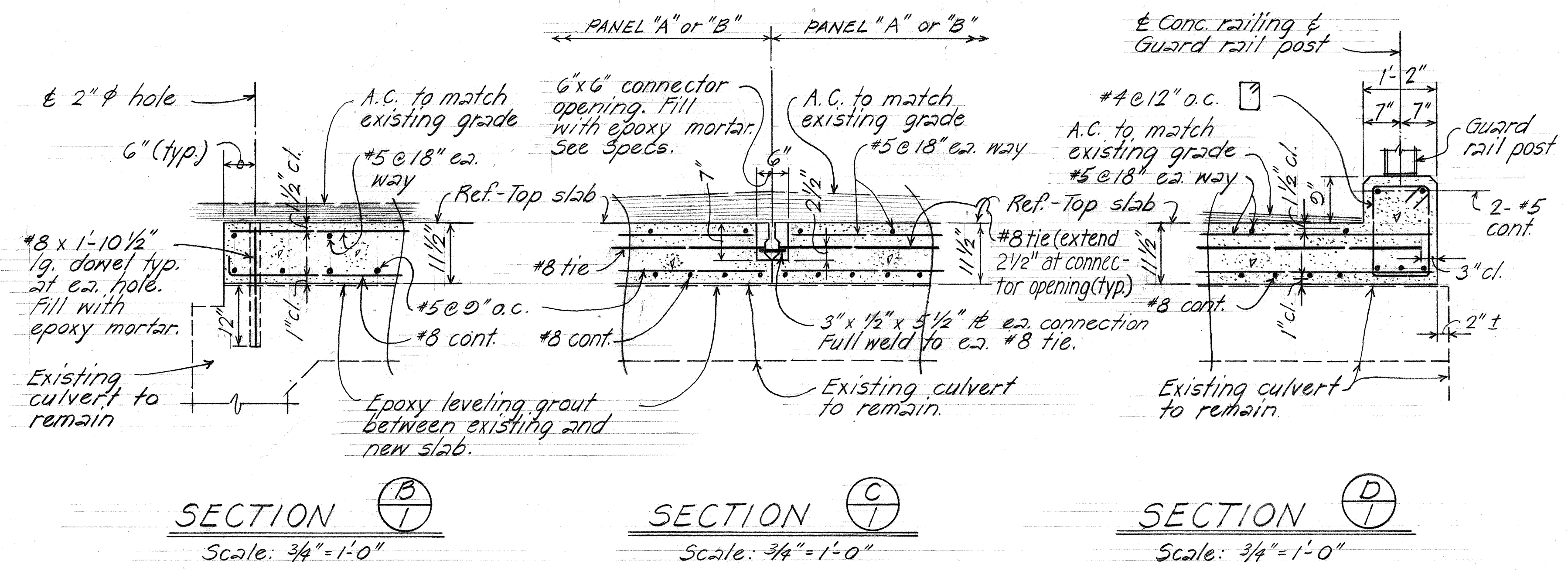
**DETAIL E**  
Scale: 3" = 1'-0"



**PRECAST PANEL DETAILS**  
Scale: 3/4" = 1'-0"



**SECTION**  
**GUARDRAIL BASE DETAILS**  
Scale: 1/2" = 1'-0"



**SECTION B**  
Scale: 3/4" = 1'-0"

**SECTION C**  
Scale: 3/4" = 1'-0"

**SECTION D**  
Scale: 3/4" = 1'-0"

**GENERAL NOTES:** (For additional Notes, see Plan Sht. No. 4)

1. Remove all temporary timber shoring and bracings under existing culvert top slab after all work is completed. This item shall be incidental and will not be paid for separately.
2. All welding shall be in accordance with the Structural Welding Code, D1.1 and Reinforcing Steel Welding Code, D12.1. All welds shall be continuous except as otherwise noted on plans.
3. All concrete to be Class "A".
4. All structural steel to be A36 except otherwise noted and shall be hot-dip galvanized. See Specs. - Sect. 501.
5. Construction procedure shall be such that one lane of traffic remains open to traffic during working hours and two lanes of traffic remain open during non-working hours. This item shall be incidental and shall not be paid for separately.
6. No traffic shall be allowed on concrete members where epoxy, epoxy mortar, or epoxy leveling grout is used for five hours after the epoxy, epoxy mortar or epoxy leveling grout has been placed.
7. Contractor shall submit lifting and transporting details for approval by the Engineer.
8. A.C. Pavement Mix No. I shall be placed between the end of the pre-cast panels and pay limits of project and to the depths as shown above.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

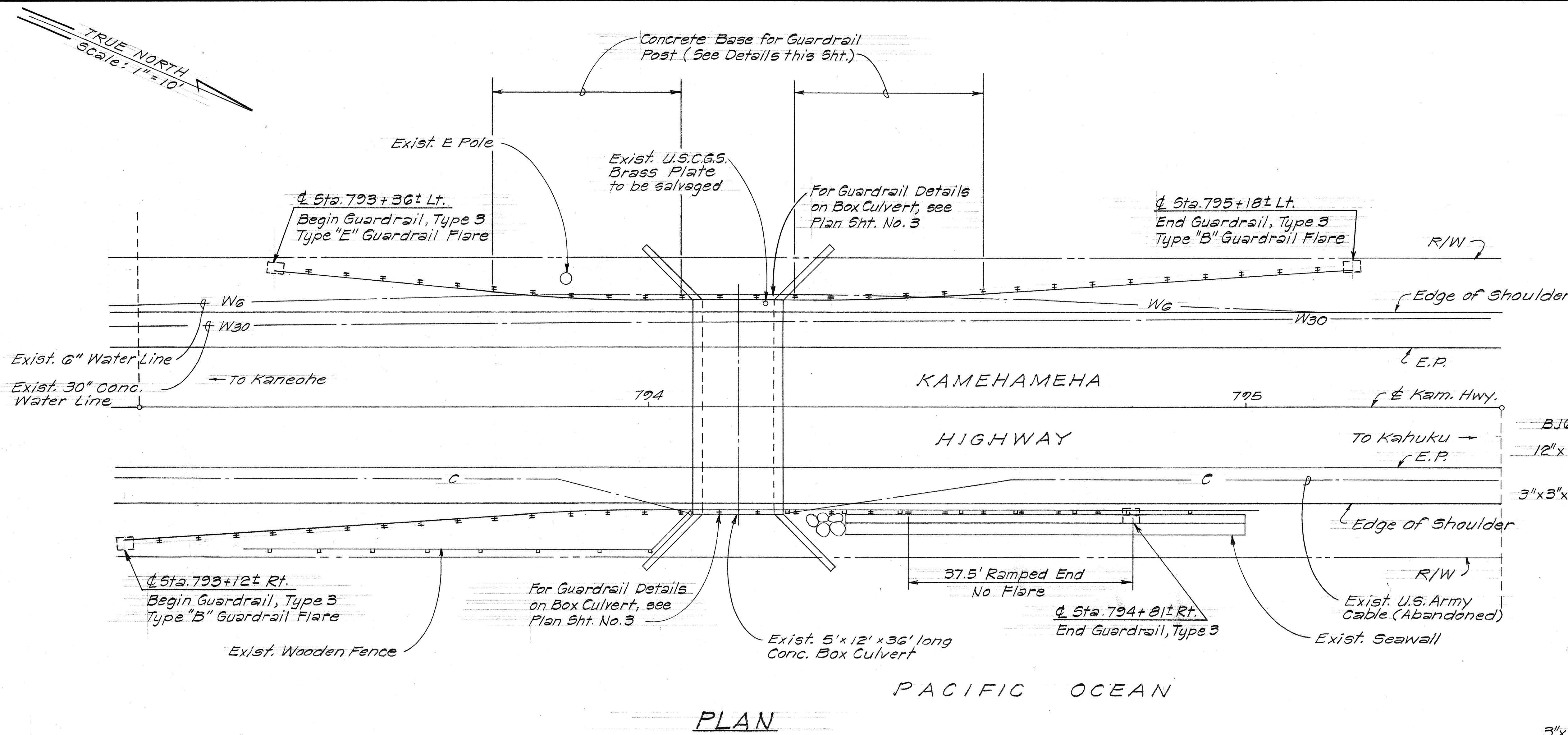
**PLANS FOR REPAIR TO  
12' x 5' BOX CULVERT**

KAMEHAMEHA HIGHWAY  
DISTRICT OF KOOLAULOA  
M.P. 29.5  
PROJ. NO. HWY-0-02-76M  
Scale: As Shown Date: June, 1976

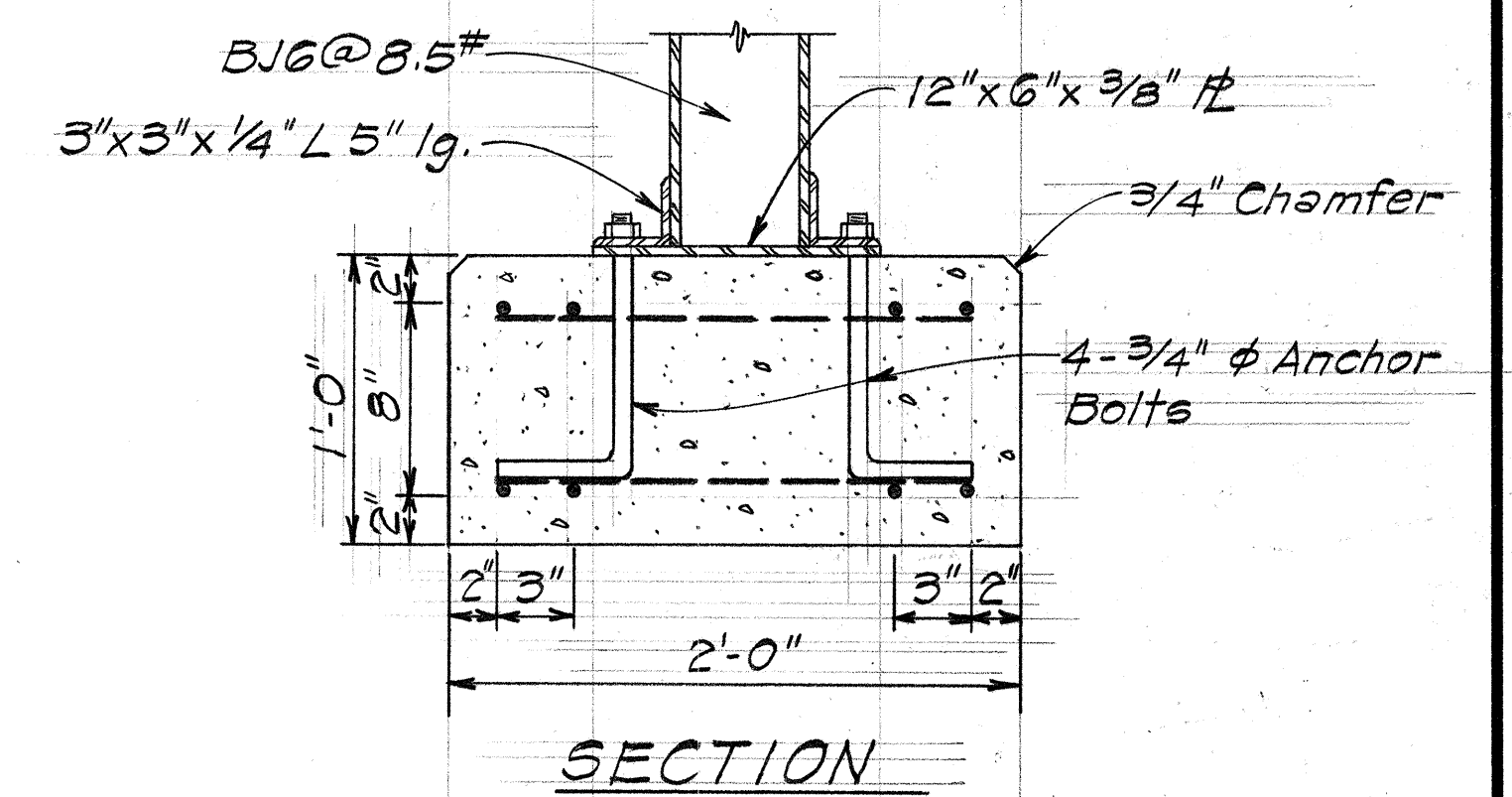
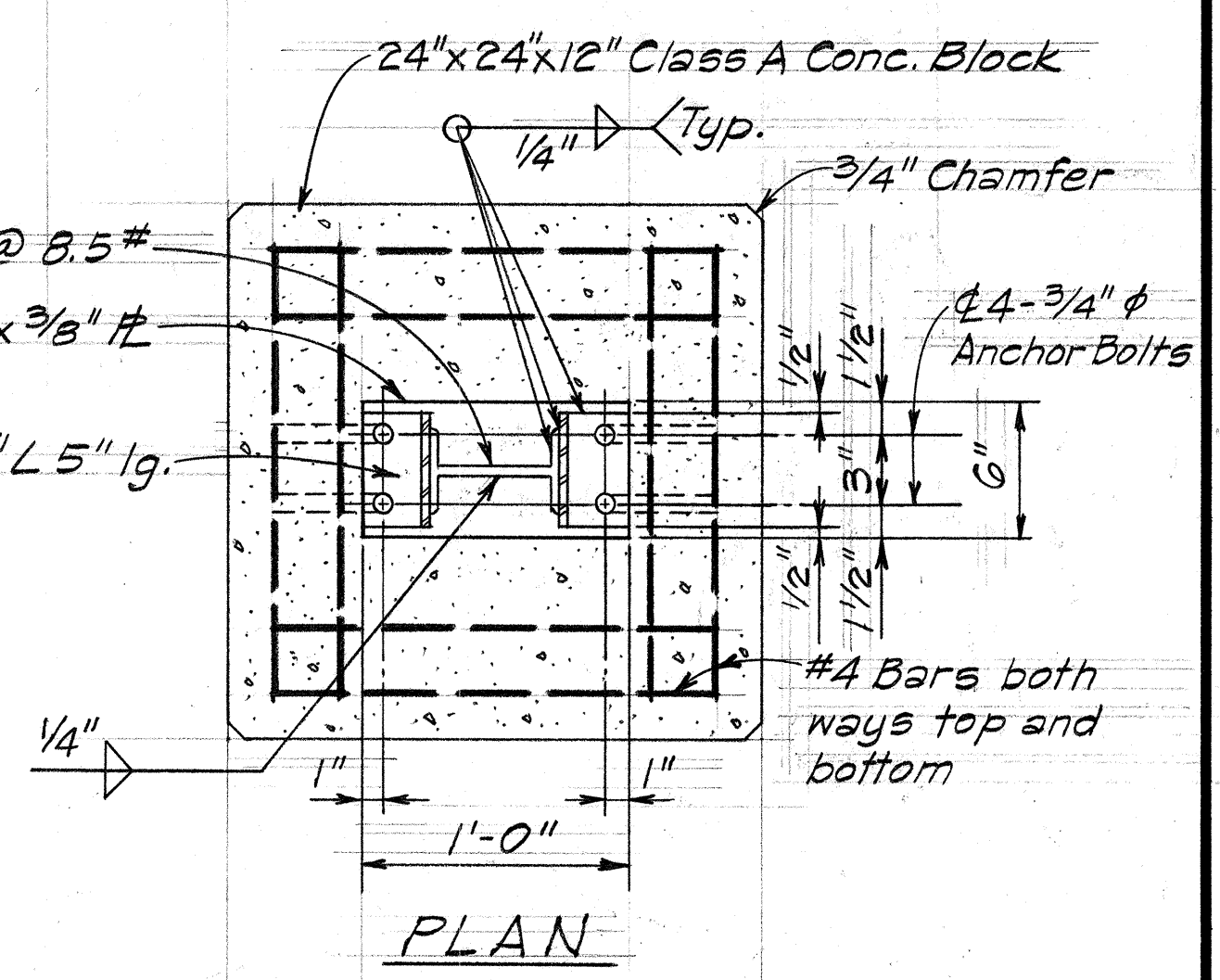
SHEET No. 1 OF 2 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-002-76M	1976	4	11



ESTIMATED QUANTITIES				
ITEM NO.	ITEM	UNIT	QUANTITIES	
202.06	Removal of Structures and Obstructions for Box Culvert	Lump Sum	(30.0 Cu.Yd.)	
401.01	Asphalt Concrete Pavement, Mix No. II	Ton	±2-12.5	
503.051	Concrete in Precast Panels	Lump Sum	(19.0 Cu.Yd.)	
606.311	Guardrail-Type 3 Single with Steel Post	Lin. Ft.	55± 349.3	



**GUARDRAIL BASE DETAIL  
OVER WATER LINE**  
Scale: 1/2" = 1'-0"

- GENERAL NOTES:** (Continued from Plan Sht. No. 3)
- Bituminous Tack Coat shall conform to Section 407 of the Standard Specifications. Tack Coat shall be considered to be incidental to A.C. Pavement and no additional payment will be allowed.
  - Guardrails:
    - Prior to excavating for Guardrail Base or driving steel posts for Guardrails, the Contractor shall verify in the field the location of existing water mains and appurtenances. Also, the Contractor's attention is directed to Subsection 107.21 Contractor's Responsibility for Utility Property and Services, of the Standard Specifications.
    - Class A Concrete, Reinforcing Steel, Anchor Bolts, and Structural Steel and Hardware for Guardrail Base over existing water main shall be considered to be incidental to Item No. 606.311 Guardrail-Type 3, Single with Steel Post, and will not be paid for separately.
  - The Contractor shall salvage the existing U.S. Coast and Geodetic Survey Monument at Station 794+20± Left and deliver said Monument to the Engineer. This item of work shall be considered to be incidental to Item No. 202.06-Removal of Structures and Obstructions for Box Culvert, and no compensation will be made therefor.

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PLANS FOR REPAIR TO  
12' x 5' BOX CULVERT**

KAMEHAMEHA HIGHWAY  
DISTRICT OF KOOLAULOA  
M.P. 29.5  
PROJ. NO. HWY-0-02-76M  
Scale: As Shown Date: June, 1976  
SHEET NO. 2 OF 2 SHEETS