

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99A-01-94	1996	3	4

TRUE NORTH
SCALE : 1" = 40'

BEGIN PROJECT
Project No. 99A-01-94
Sta. 35+00

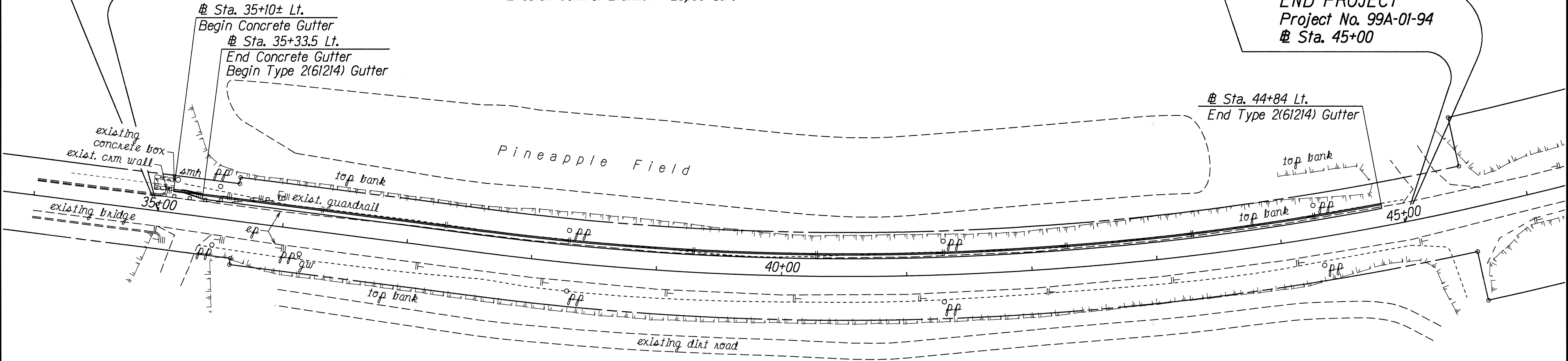
Sta. 35+33.5 Lt. to Sta. 44+84 Lt.
Construct: Type 2(61214) Gutter
Concrete Gutter

Estimated Quantities
Type 2(61214) Gutter = 950.5 L.F.
Concrete Gutter = 23.5 L.F.
Bed Course Material = 48 C.Y.

Sta. 35+35± to Sta. 44+80± Lt.
Apply Erosion Control Blanket on
exist. slope

Estimated Quantity
Erosion Control Blanket = 25,100 S.F.

END PROJECT
Project No. 99A-01-94
Sta. 45+00



GENERAL NOTES

- This project consists of constructing a 4-foot wide concrete gutter adjacent to the inbound lane and applying an erosion control blanket to the existing slope.
- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the contractor at his own expense.
- Demolishing, removing and disposing existing CRM wall structure shall not be paid for separately, but shall be considered incidental to the various Contract Items.
- Only non-pneumatic type of drill as approved by the Engineer will be permitted for drilling holes in concrete. Where indicated on the plans, the approximate diameter of drilled holes for installation of dowels shall be 1", and voids after installing dowels shall be filled with epoxy grout as directed by the Engineer. The cost for this work shall be considered incidental to the various Contract Items.
- Concrete shall be Class A unless otherwise noted.
- Exact location of the Concrete Gutter shall be determined by the Field Engineer.
- The 15-foot Concrete Gutter Transition shall be measured and paid for under Item No. 609.2213 - Concrete Gutter.
- The Construction of the Concrete Gutter may require the removal of a section of existing guardrail. The Contractor shall obtain approval from the Engineer and shall reinstall the removed guardrail section as directed and to the satisfaction of the Engineer upon completion of the Concrete Gutter under the guardrail. Guardrail removed during construction shall be reinstalled or replaced if damaged, as directed by the Engineer.
- Pavement marker and striping damaged by construction shall be repalced by the Contractor as directed by the Engineer. This work shall be considered incidental to the various drainage items. Reflector markers & posts removed during construction shall be reinstalled or replaced if damaged as directed by the Engineer.
- The Contractor shall install two CW20-1d signs (Road Construction Ahead) and two CG20-2 signs (End Construction) for the duration of the project and shall be maintained by the Contractor. The exact locations of the signs shall be determined by the Engineer.
- Construction joints for Type 2(61214) Gutter shall not be paid for separately but shall be considered incidental to Item 609.2214-Type 2(61214) Gutter. For Detail see Plan Sheet No. ADD. 4.

LEGEND

- °pp Existing Power Pole
- °gw Existing Guy Wire
- °smh Existing Sewer Manhole
- ||- Existing Reflector Marker

10/24/95 Revise General Note No. 8.
10/6/95 Add General Note No. 11.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

KAMEHAMEHA HIGHWAY
DRAINAGE IMPROVEMENTS
Dole Pavilion to Poamoho Bridge
Project No. 99A-01-94

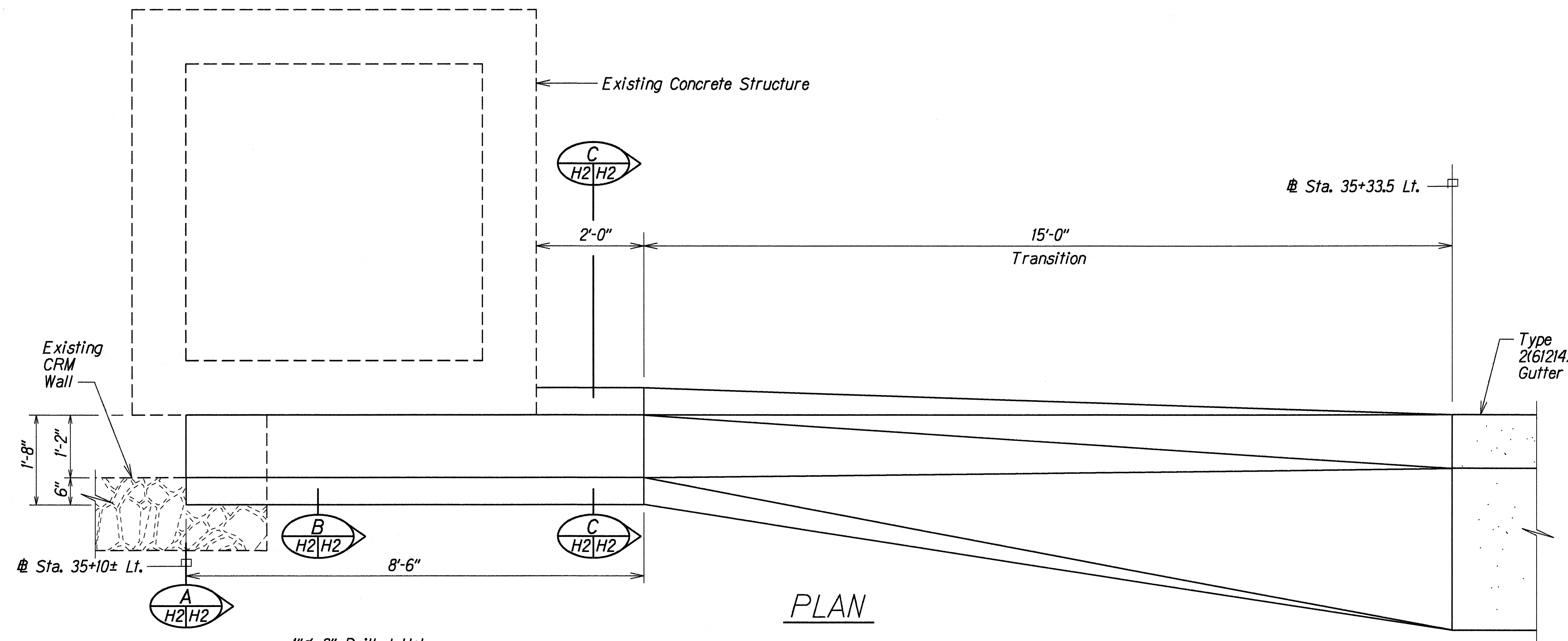
Scale: 1"=40' Date: August, 1995

SHEET No. HI OF 2 SHEETS

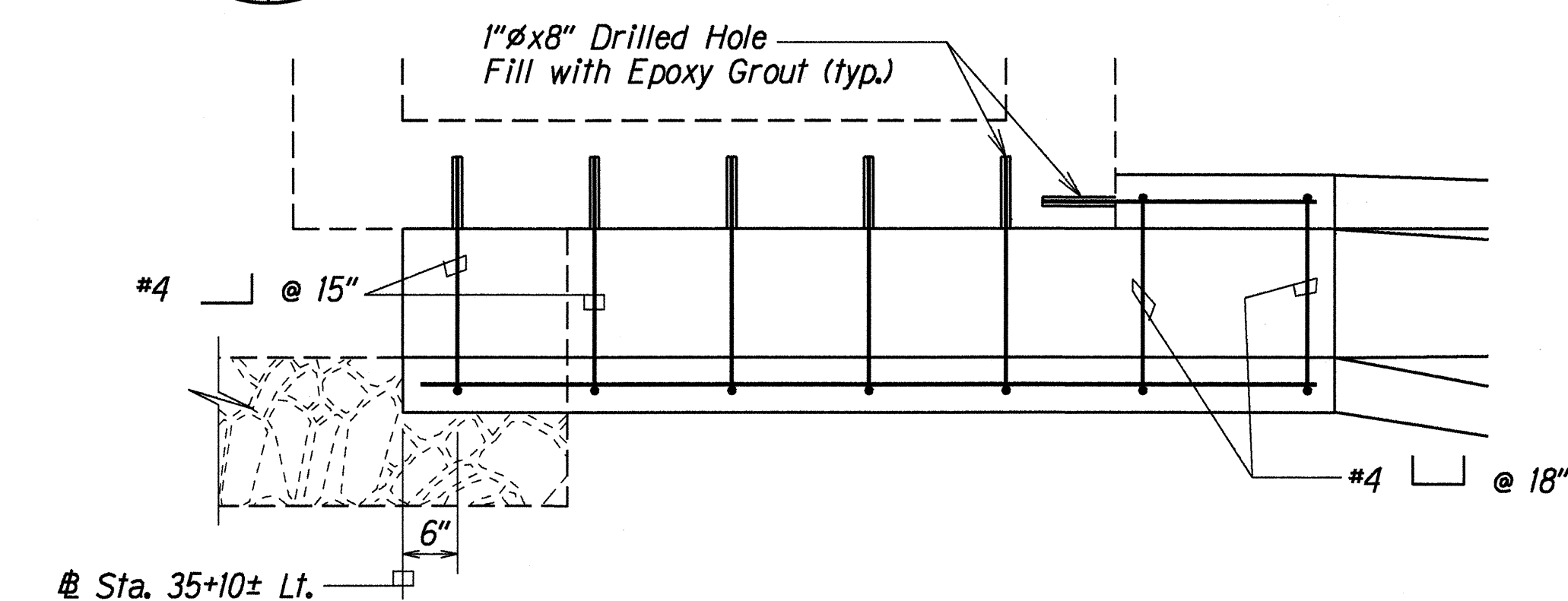
ADD. 3

DESIGNED BY	DATE
TRACED BY	10-24-95
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	

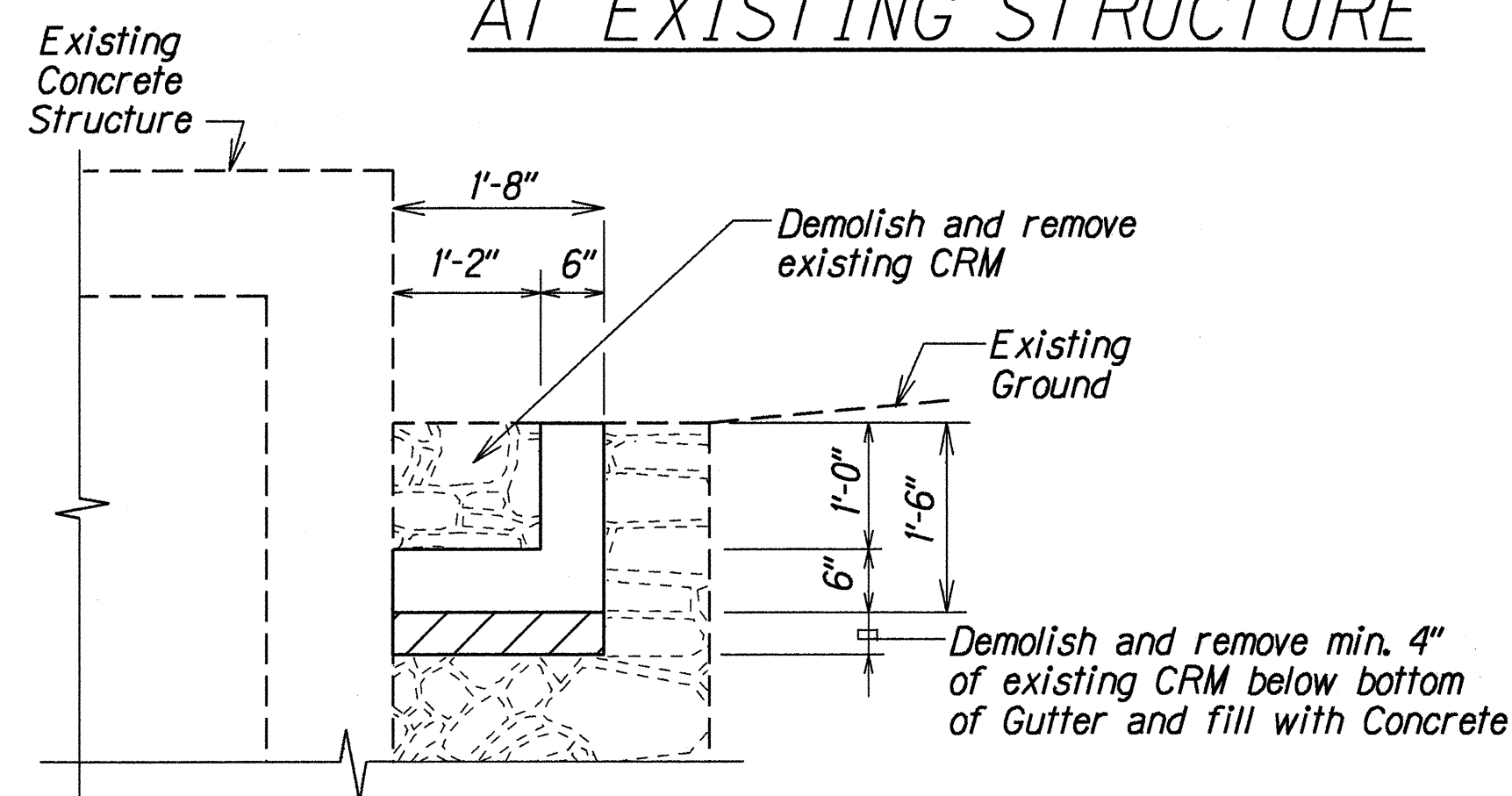
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99A-01-94	1996	4	4



PLAN



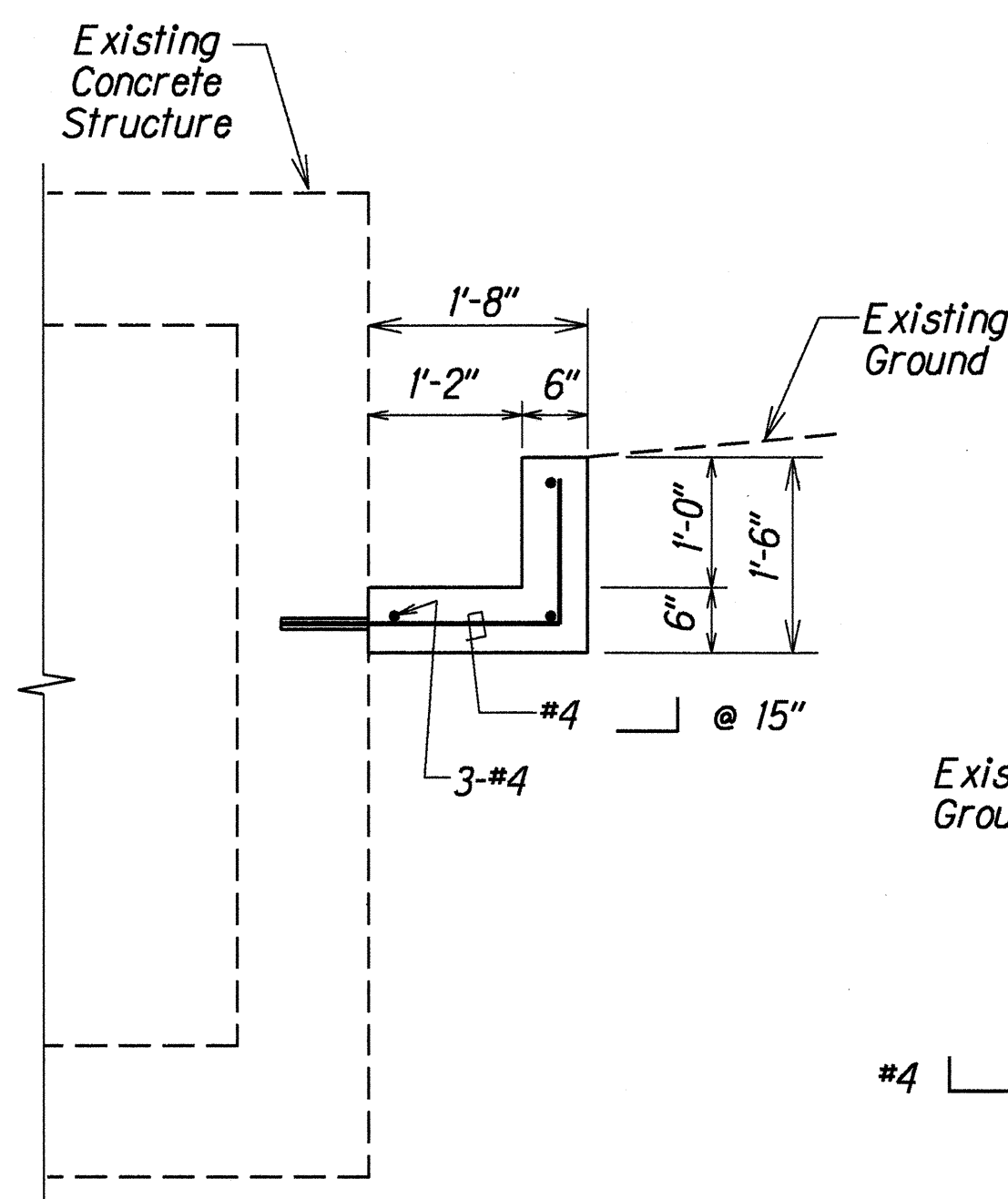
PLAN VIEW OF REINFORCING
AT EXISTING STRUCTURE



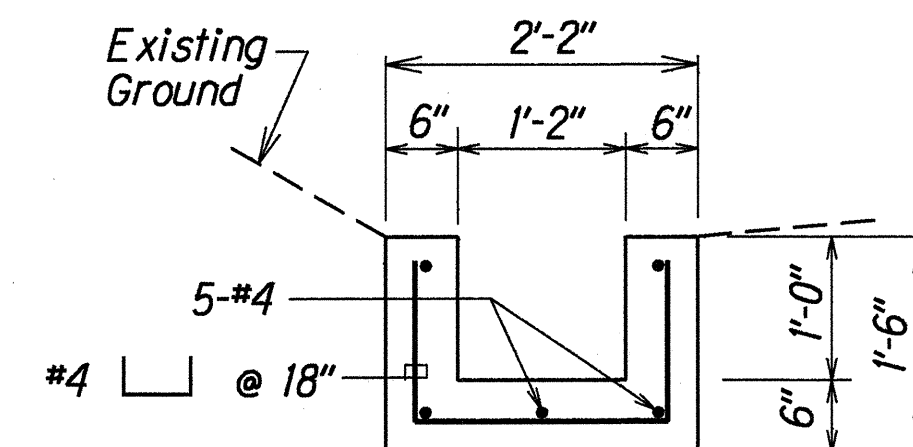
SECTION A
H2/H2

DETAILS OF CONCRETE GUTTER AT STA. 35+10± LT.

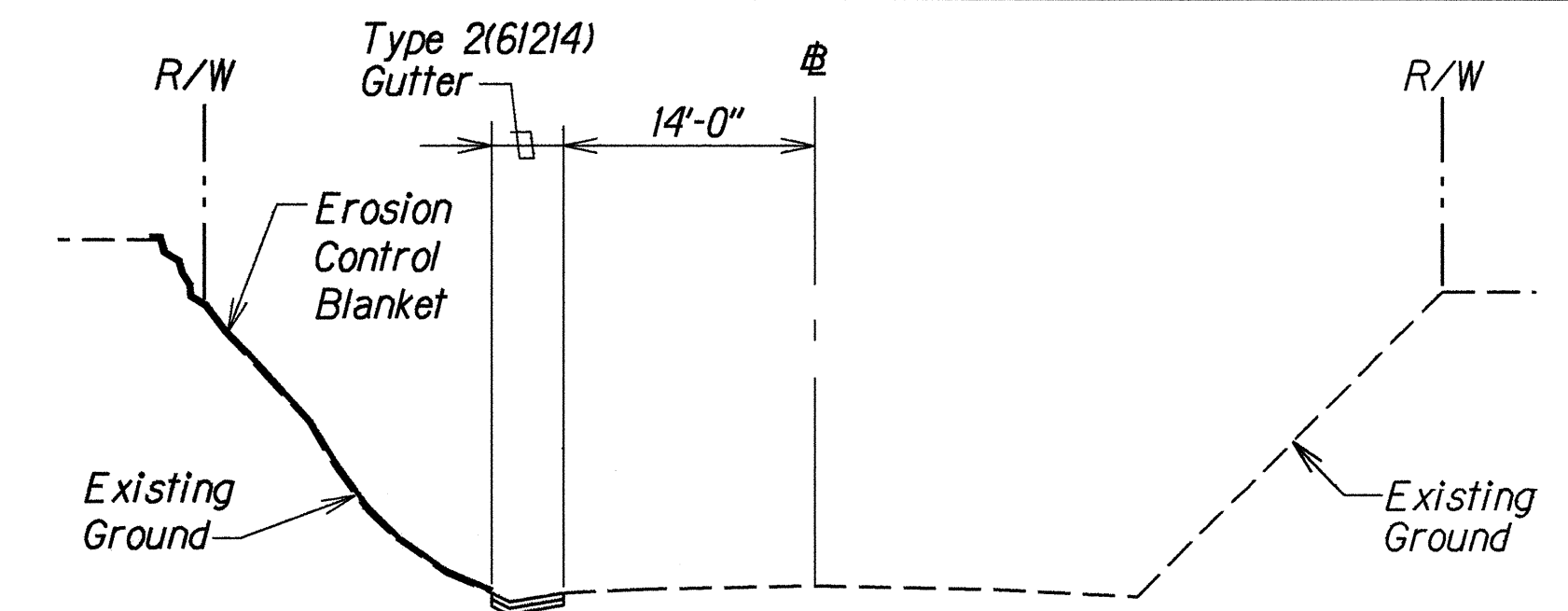
Scale: 3/4" = 1'-0"



SECTION B
H2/H2

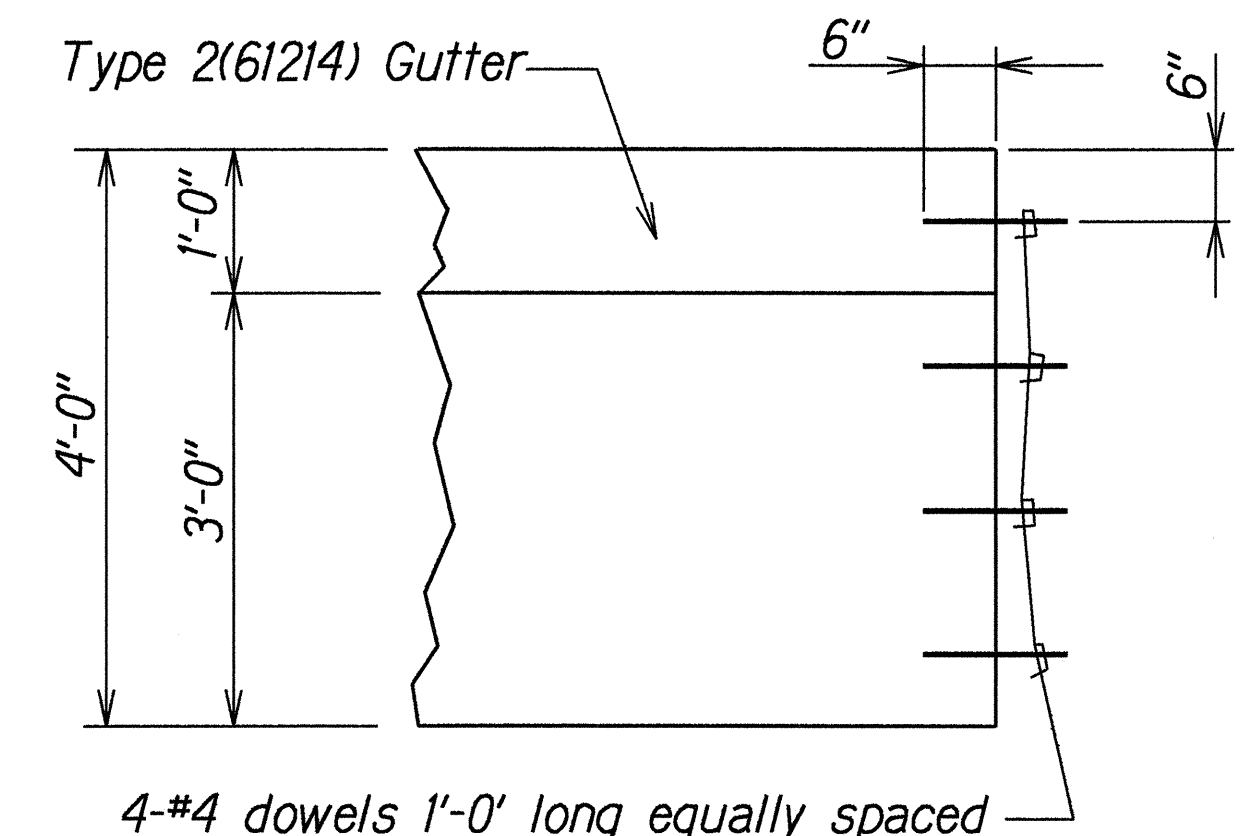


SECTION C
H2/H2

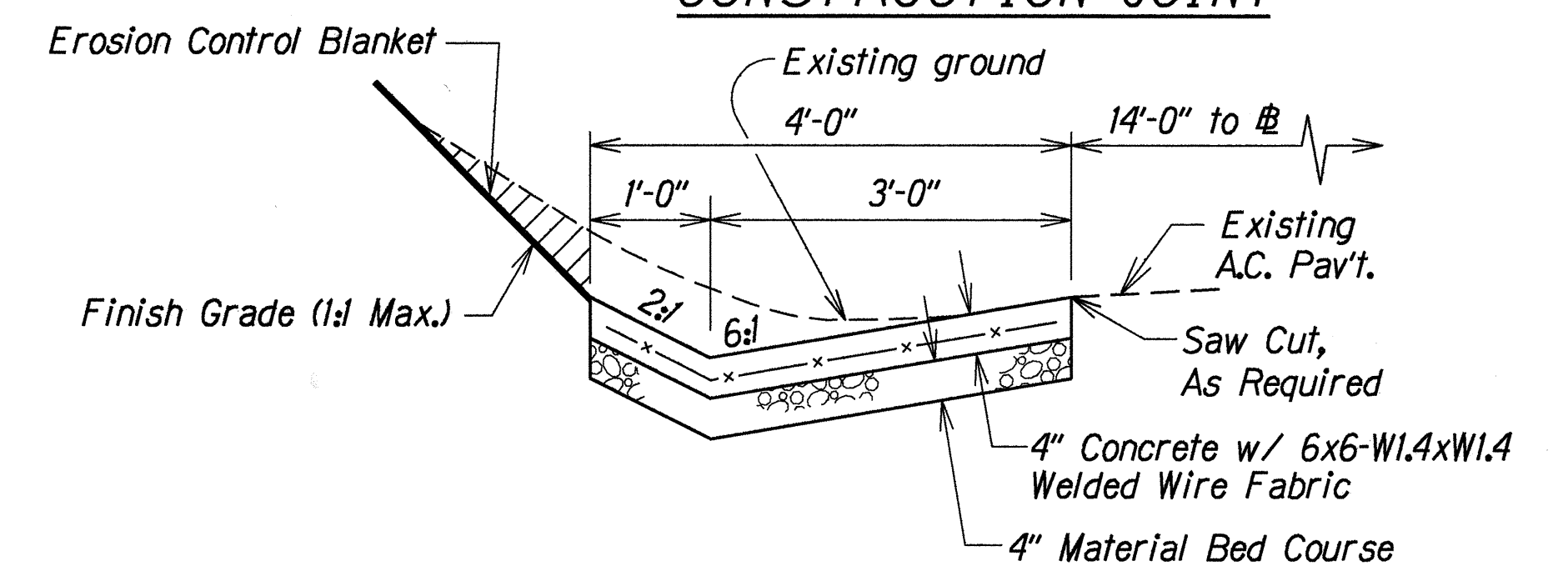


TYPICAL ROADWAY SECTION

Scale: 1" = 10'



CONSTRUCTION JOINT



SECTION VIEW

Note: The Contractor shall grade the existing slope to match the concrete gutter with a maximum 1:1 slope (hatched area), as directed by the Engineer. The grading and disposal of excavated material shall be considered incidental to Item No. 609.2214 Gutter, Type 2(61214). The estimated quantity of excavated material is 28 C.Y.

DETAIL OF TYPE 2(61214) GUTTER

Scale: 3/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE DETAILS
KAMEHAMEHA HIGHWAY
DRAINAGE IMPROVEMENTS
Dole Pavilion to Poamoho Bridge
Project No. 99A-01-94

Scale: As Shown Date: August, 1995

SHEET No. H2 OF 2 SHEETS

ADD. 4

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
QUANTITIES BY	_____
REVISIONS	_____