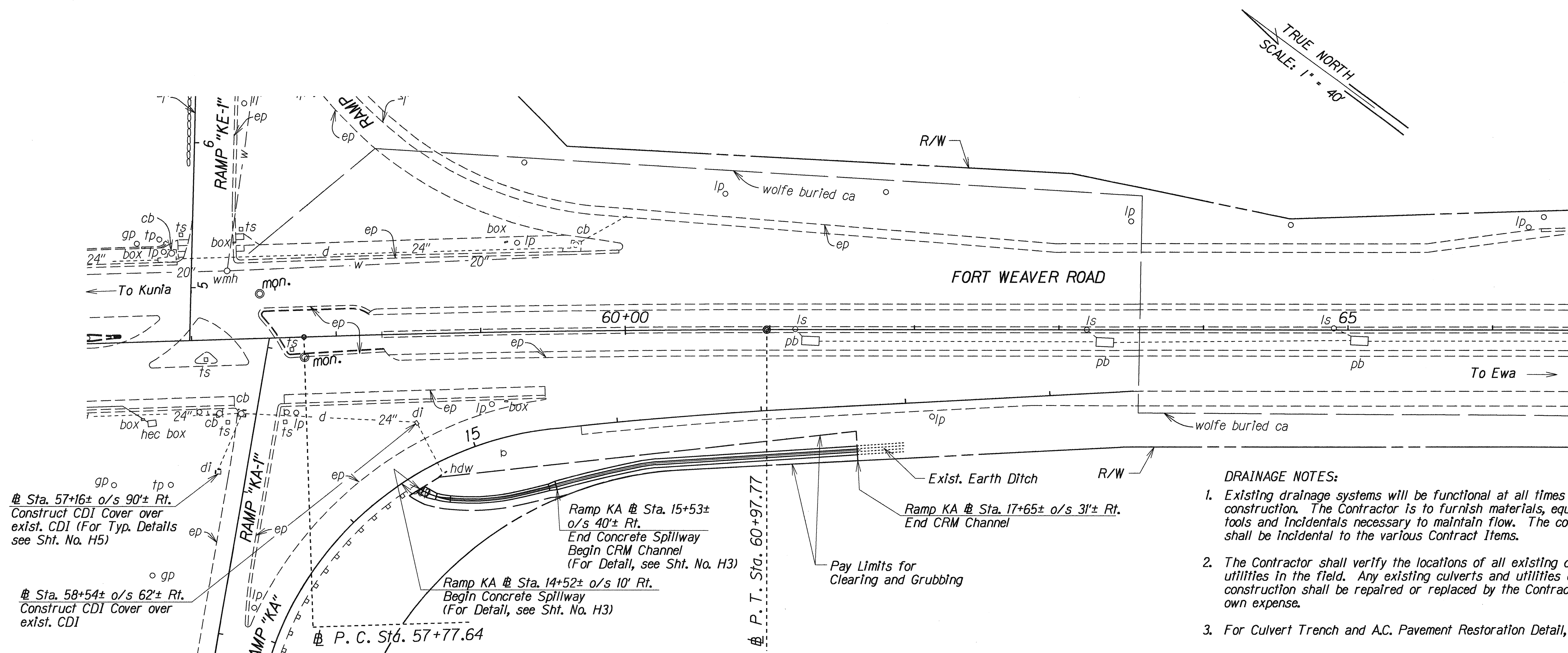


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(3)	1993	15	34



- DRAINAGE NOTES:**
- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. The cost for this work shall be incidental to the various Contract Items.
 - 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.
 - For Culvert Trench and A.C. Pavement Restoration Detail, see Sht. No. H3.
 - Concrete shall be Class A unless otherwise noted.
 - Exact location of the Concrete Spillway shall be determined by the Field Engineer.
 - Item No. 627.0200, Restoration of Existing Pavements and Other Improvements at Waipahu St. shall conform to Section 627-"RESTORATION OF EXISTING CITY AND/OR COUNTY STREETS AND OTHER IMPROVEMENTS" of the Standard Specifications.
 - The Trench Backfill Material A will be used as backfilling material and shall be considered incidental to Structure Excavation.
 - Only non-pneumatic type of drill as approved by the Engineer will be permitted for drilling holes in concrete. The approximate diameter of drilled holes for installation of dowels are indicated on plans, and volds after installing dowels shall be filled with epoxy grout as directed by the Engineer. The work mentioned above shall be considered incidental to the various Contract Items.

DRAINAGE SUMMARY

ITEM NO.	UNIT USED	201 0430	206 2020	508 0200	603 0010	603 1010	604 2200	604 2335	604 5100	609 2010	627 0200	640 1000
		(SF)	CY	LF	CY	LF	EA	EA	EA	LF	SF	LF
BASELINE STATION (from)	BASELINE STATION (to)											
Ramp KA 14+52± o/s 10' Rt.	Ramp KA 15+53± o/s 40'± Rt.	(5645)										100
Ramp KA 15+53± o/s 40'± Rt.	Ramp KA 17+65± o/s 31'± Rt.			210								
57+16± o/s 90'± Rt.							1					
58+54± o/s 62'± Rt.							1					
76+36 o/s 139' Lt.	76+65 o/s 106' Lt.		47		10	40		1	1		217	
Ramp D 16+00 o/s 10'± Rt.	Ramp D 20+35± o/s 10'± Rt.									435		

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

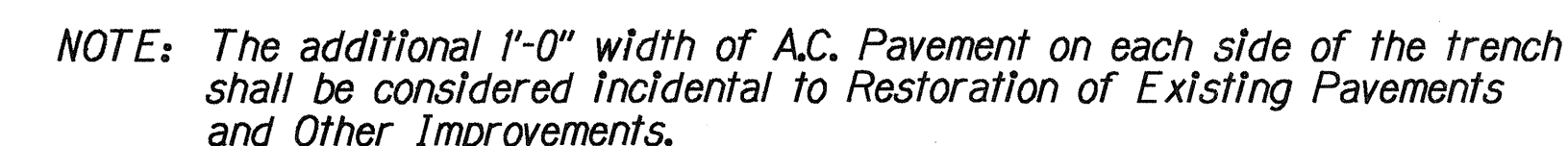
DRAINAGE PLAN

FT. WEAVER RD. RESURFACING
H-1 to Farrington Interchange
F.A. PROJECT NO. STP-076-1(3)

Scale: 1" = 40'
Date: May 1993
SHEET No. H1 OF 5 SHEETS

Diagram illustrating the cross-section of a proposed drainage ditch. The ditch is 6'-0" wide at the top, with three 2'-0" segments. The left side is a 1:1 slope with a 1'-0" vertical height. The right side is a 1:1 slope. The ditch is labeled "Existing earth ditch" and "Existing ground". The right side is labeled "CRM".

Scale: $\frac{3}{4}" = 1' - 0"$

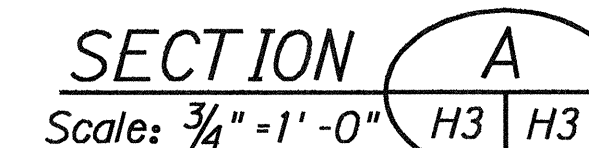


Scale: $\frac{3}{4}" = 1' - 0"$

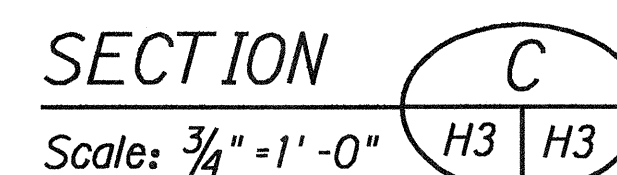
DRAINAGE DETAILS

Scale: As Shown Date: May 1993

SHEET No. *H3* OF 5 SHEETS



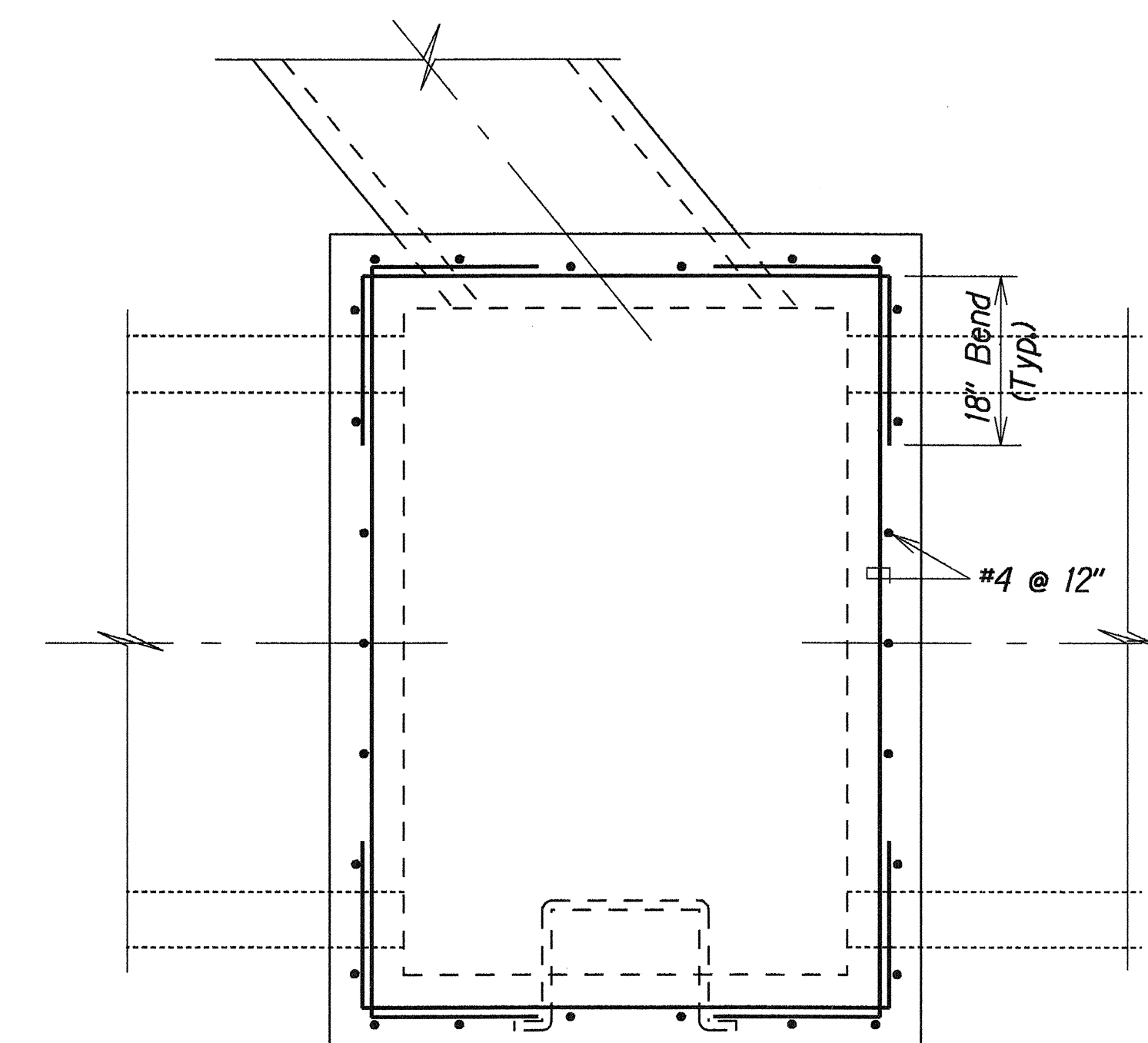
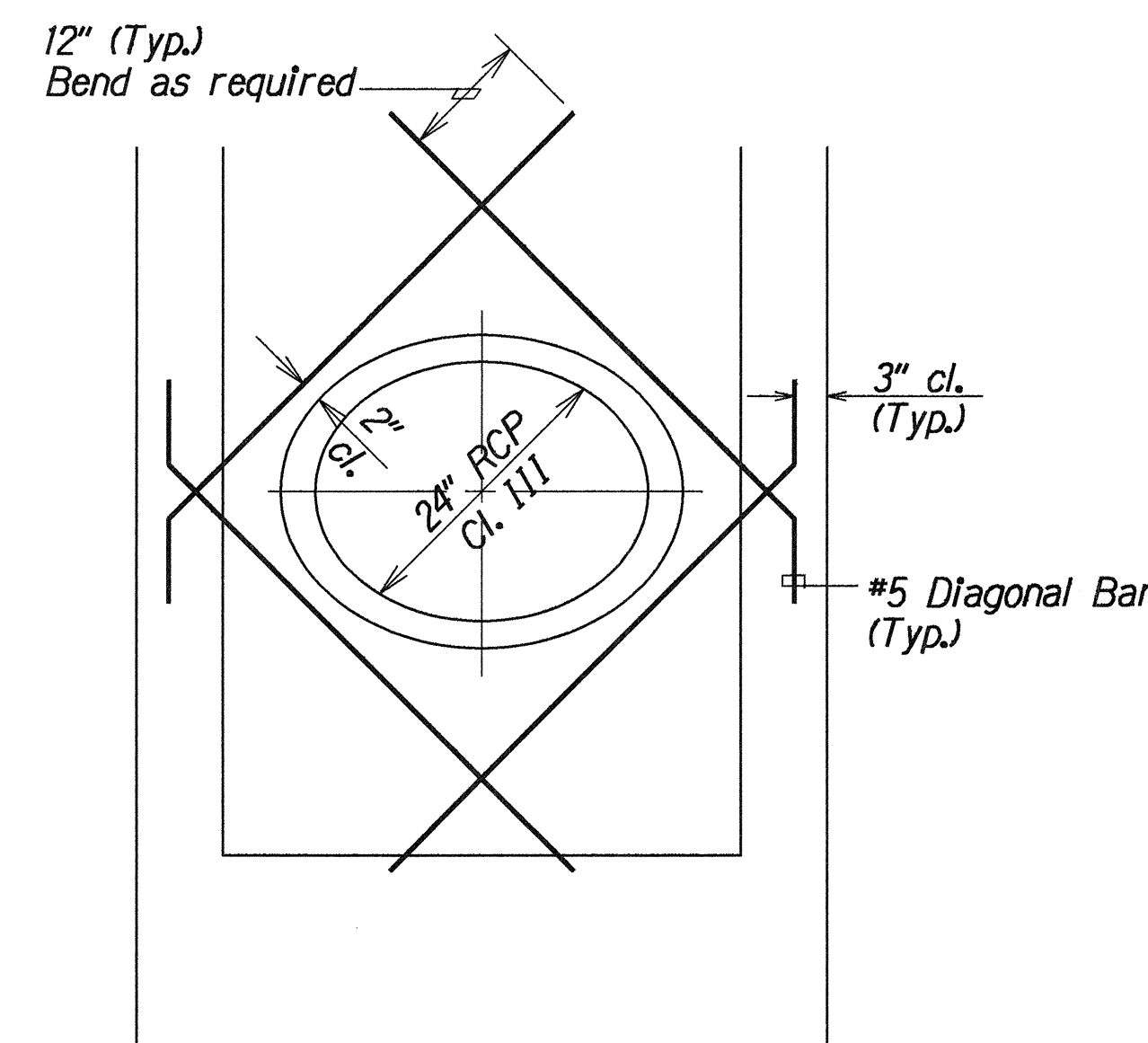
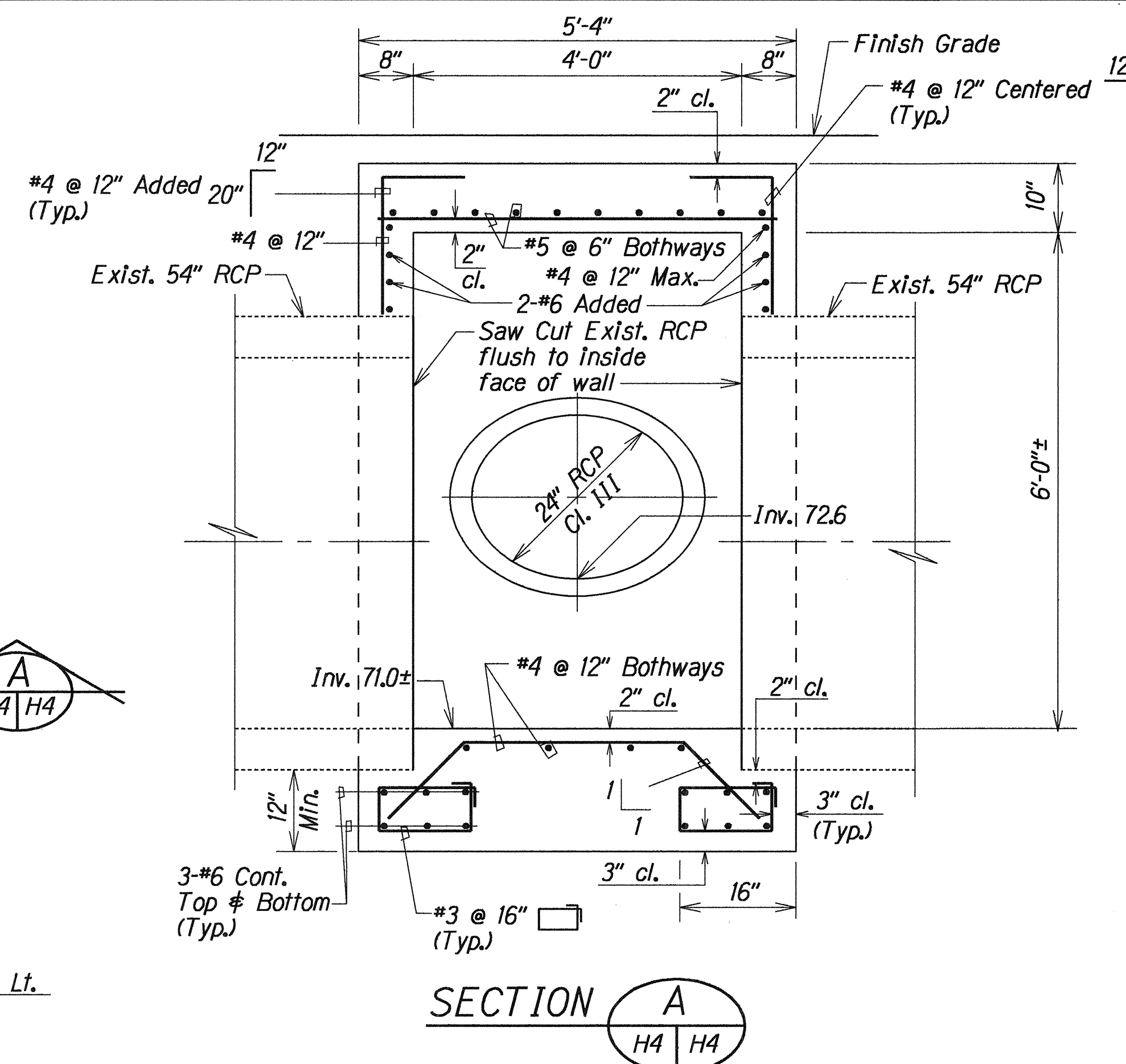
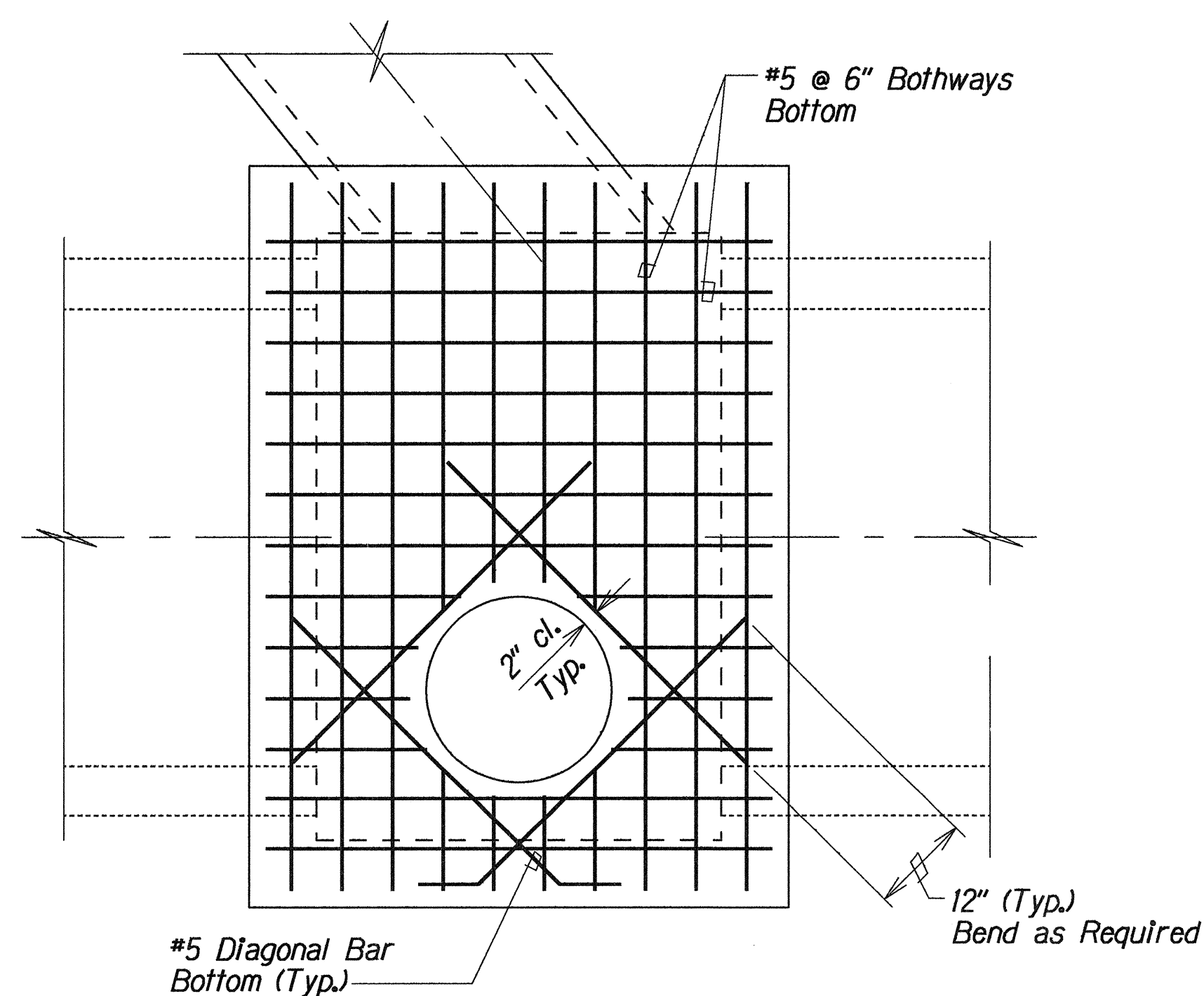
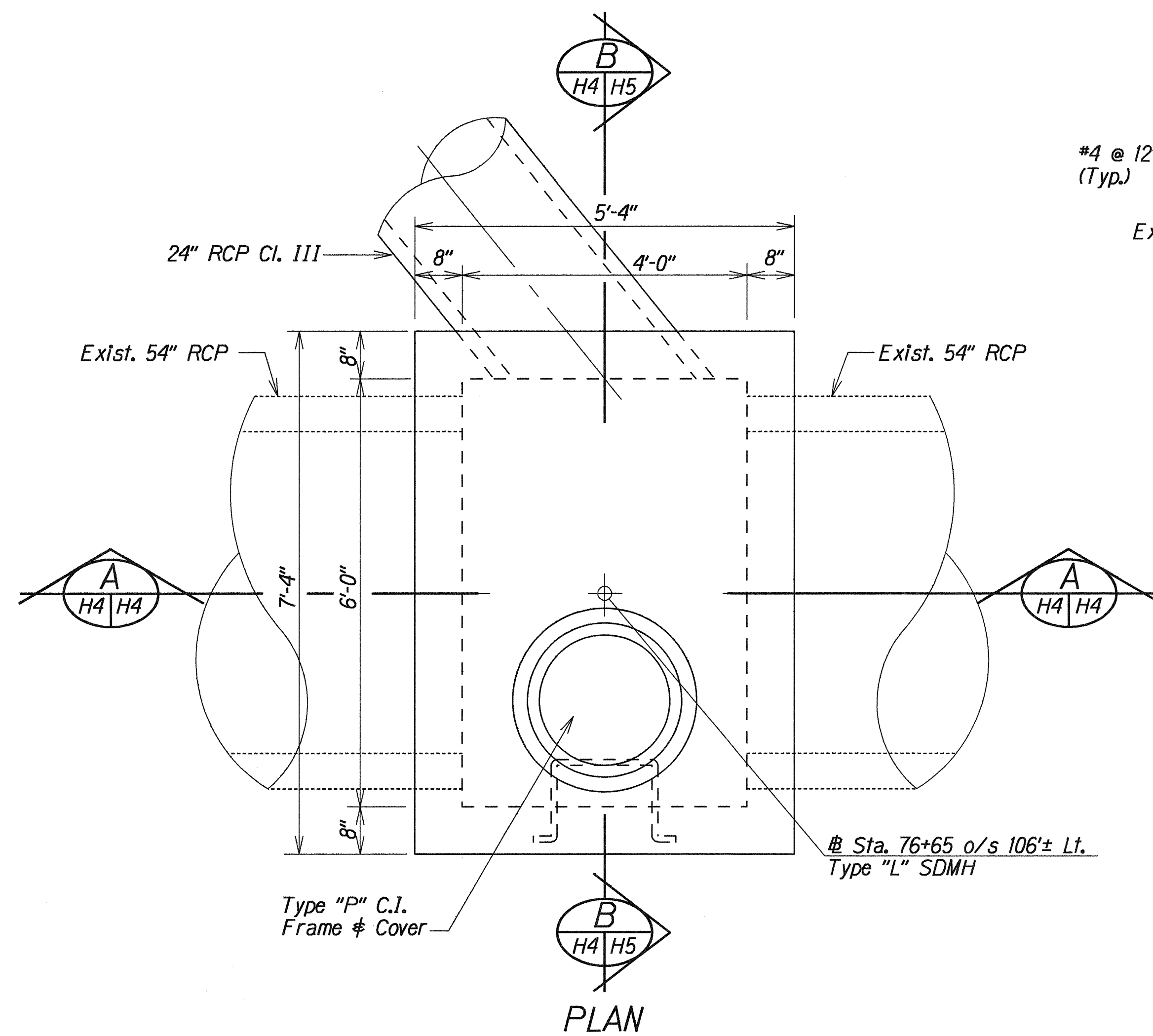
SECTION B
Scale: $\frac{3}{4}" = 1' - 0"$ H3 | H3



DETAILS OF CONCRETE SPILLWAY AT RAMP KA @ STA. 14+52± o/s 10' RT.

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
N _o _____	CHECKED BY _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(3)	1993	18	34



SURVEY PLOTTED BY	DATE
DESIGNED BY	
FRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

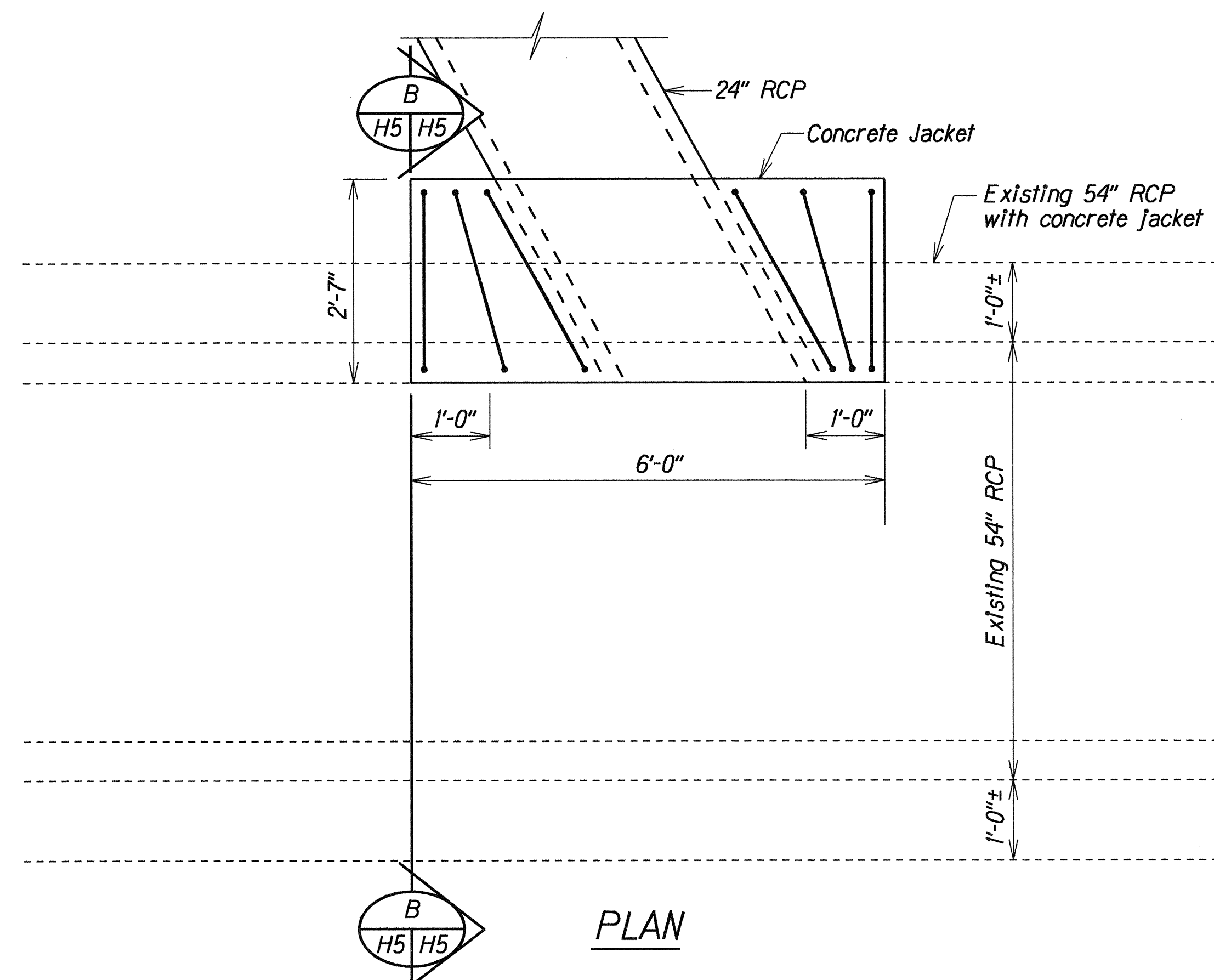
DRAINAGE DETAILS

FT. WEAVER RD. RESURFACING
H-1 to Farrington Interchange
F.A. PROJECT NO. STP-076-1(3)

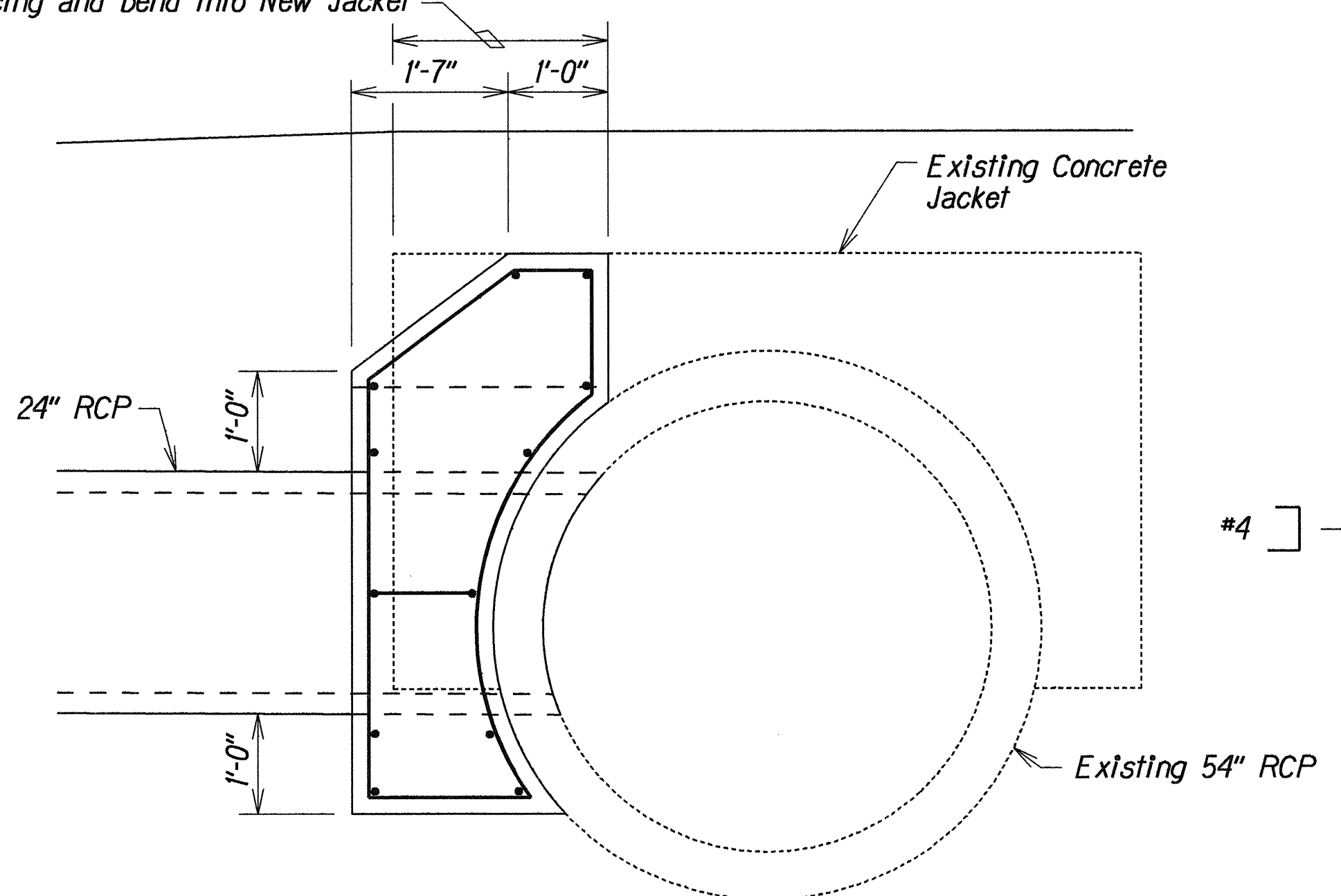
Scale: 3/4"=1'-0" Date: May 1993

SHEET No. H4 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(3)	1993	19	34



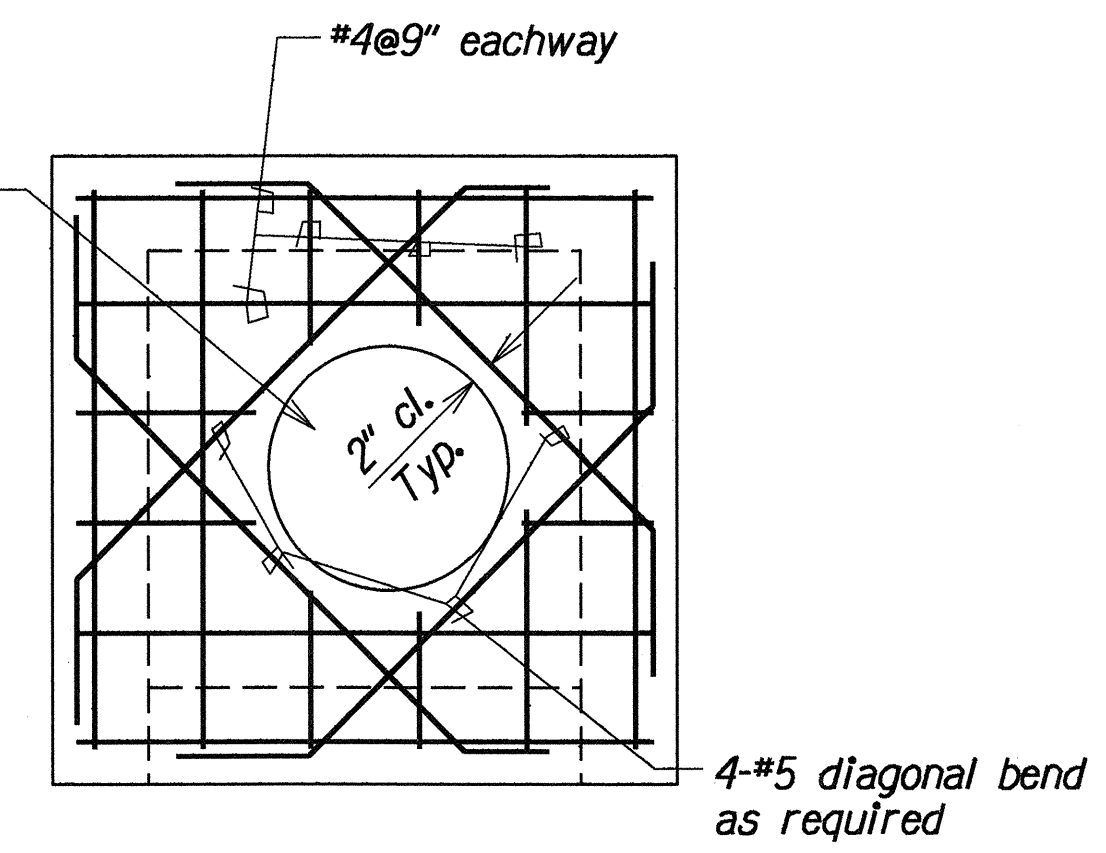
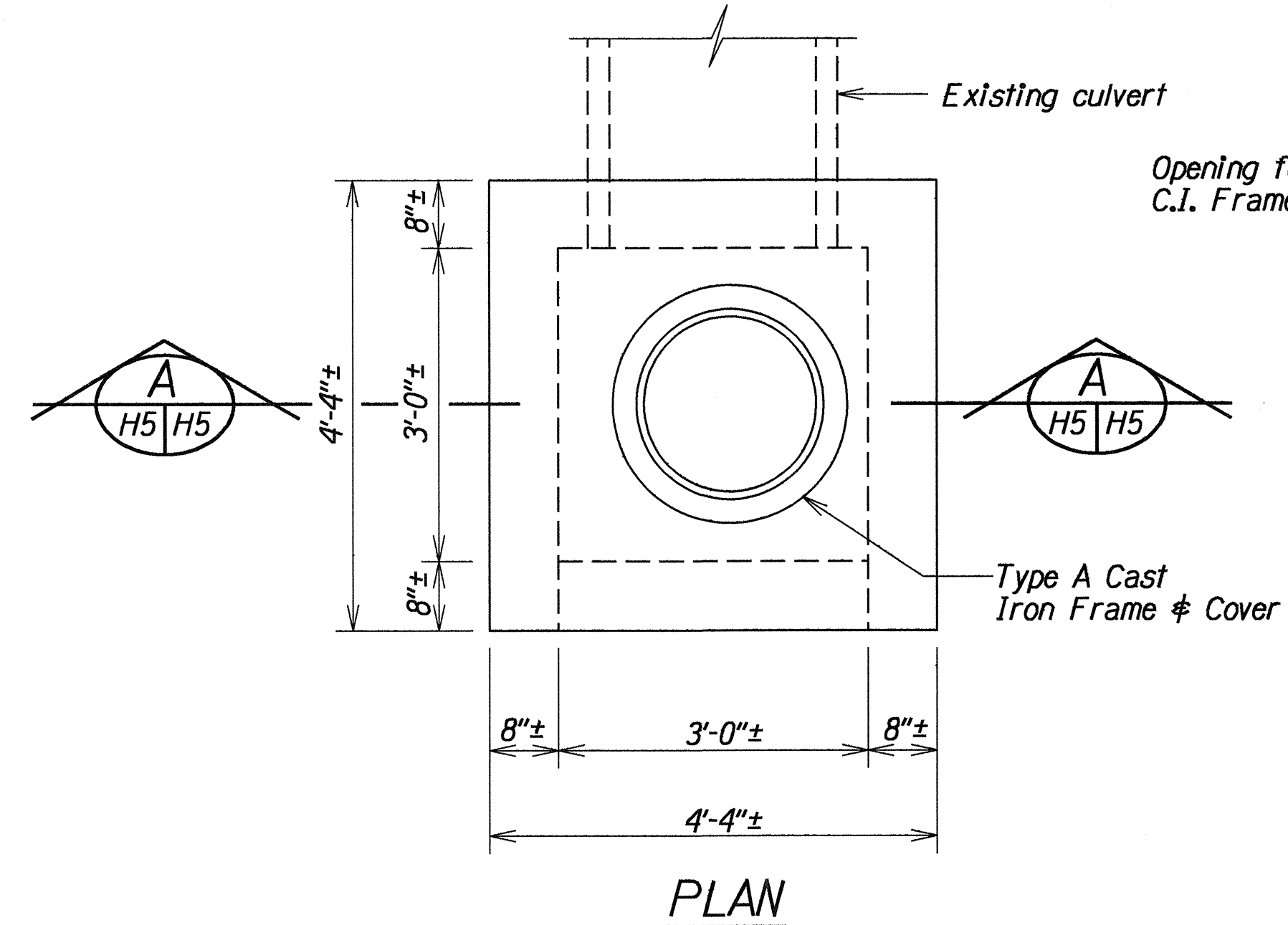
Saw cut and remove (2'-2"x6'-0") of existing concrete jacket. Retain existing transverse (to pipe) reinforcing and bend into New Jacket



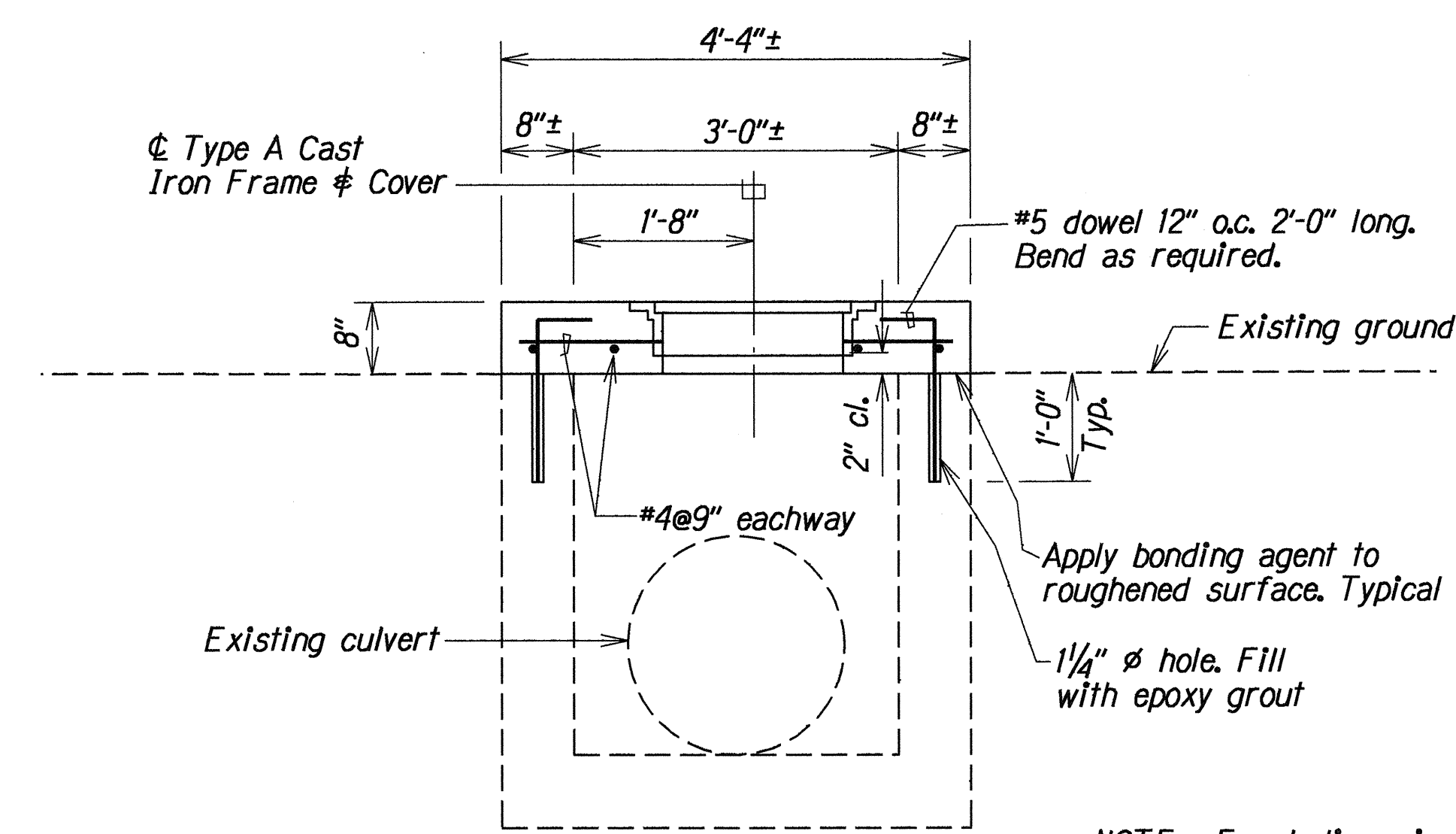
SECTION B
H5 H5

DETAILS OF REINFORCED CONCRETE JACKET
AT STA. 76+65 o/s 108'± LT.

NOTE: All Reinforcing shall be #4 rebars and placed as shown



PLAN VIEW OF TOP
SLAB REINFORCING



SECTION A
H5 H5

TYPICAL DETAILS OF CONCRETE DROP INLET COVER

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

12/07/93	Added Details of Reinforced Concrete Jacket
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

FT. WEAVER RD. RESURFACING
H-1 to Farrington Interchange
F.A. PROJECT NO. STP-076-1(3)

Scale: 3/4"=1'-0" Date: May 1993

SHEET No. H5 OF 5 SHEETS