

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(24)	1989	C.O.32	81

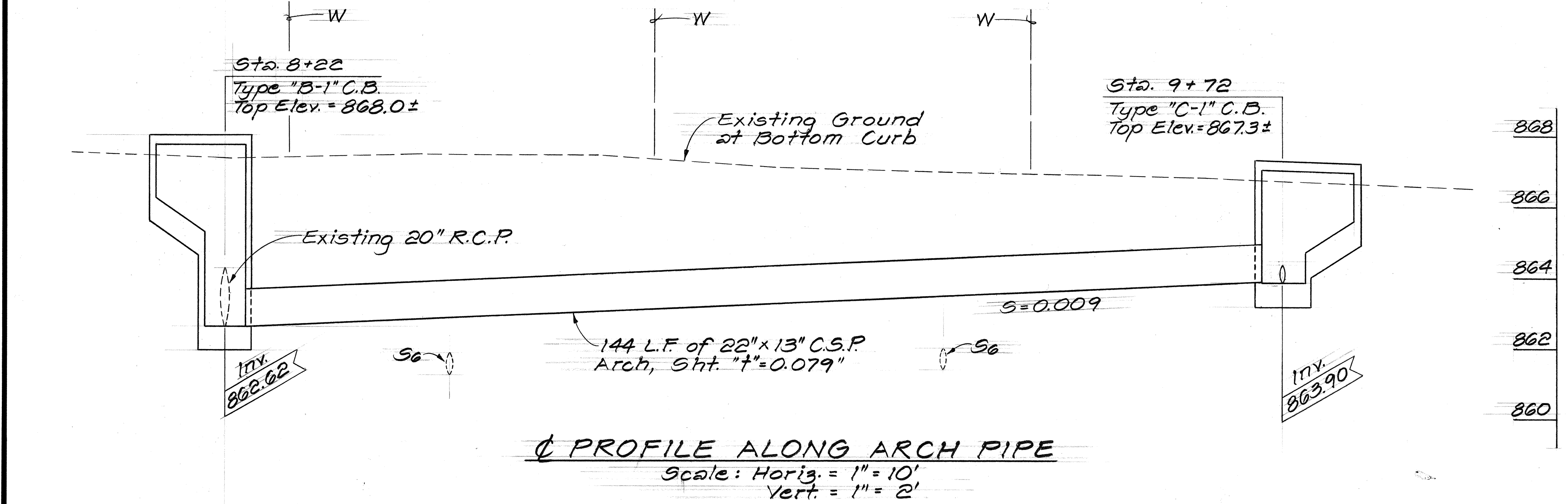
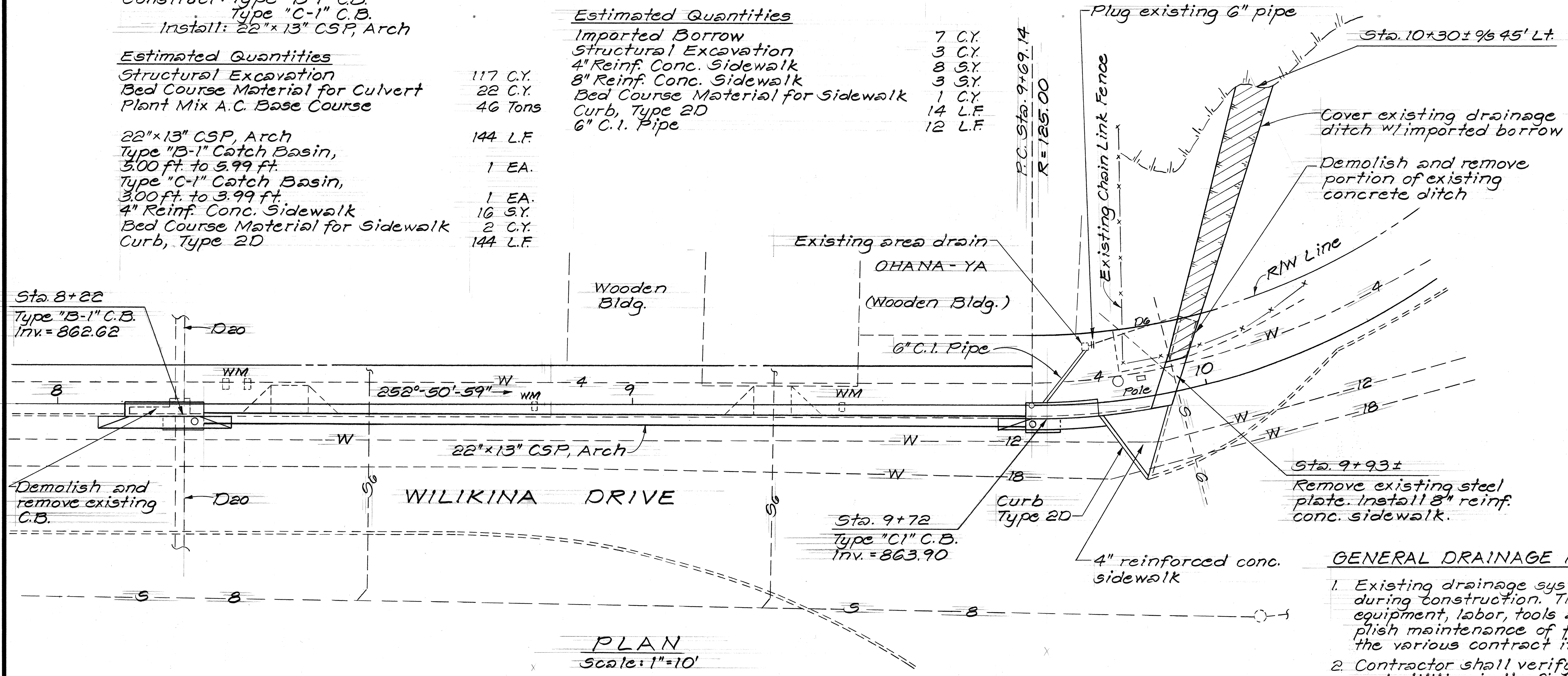
Sta. 8+22 to Sta. 9+72
Construct: Type "B-1" C.B.
Type "C-1" C.B.
Install: 22"x13" CSP, Arch

Estimated Quantities
Structural Excavation 117 C.Y.
Bed Course Material for Culvert 22 C.Y.
Plant Mix A.C. Base Course 46 Tons

22"x13" CSP, Arch 144 L.F.
Type "B-1" Catch Basin, 5.00 ft. to 5.99 ft. 1 EA.
Type "C-1" Catch Basin, 3.00 ft. to 3.99 ft. 1 EA.
4" Reinf. Conc. Sidewalk 16 S.Y.
Bed Course Material for Sidewalk 2 C.Y.
Curb, Type 2D 144 L.F.

Sta. 9+72 to Sta. 10+30 ± 9/16 45' Lt.

Estimated Quantities
Imported Borrow 7 C.Y.
Structural Excavation 3 C.Y.
4" Reinf. Conc. Sidewalk 8 S.Y.
8" Reinf. Conc. Sidewalk 3 S.Y.
Bed Course Material for Sidewalk 1 C.Y.
Curb, Type 2D 14 L.F.
6" C.I. Pipe 12 L.F.



GENERAL 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 accomplish maintenance of flow. The cost shall be incidental to the various contract items.
- 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.
- The following items shall not be measure separately but shall be considered incidental to the various contract items:
 - Demolishing and removing existing catch basin at Sta. 8+22.
 - Plug existing 6" pipe.
 - Removing existing steel plate at Sta. 9+93 ±.
 - Connection of existing 20" culvert to new Catch Basin at Sta. 8+22.
 - Demolishing and removing portions of existing conc. ditch.
- Concrete shall be either Class A or Class B for 4-inch and 8-inch reinforced concrete sidewalk.
- Chamfer all exposed concrete edges 1".

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

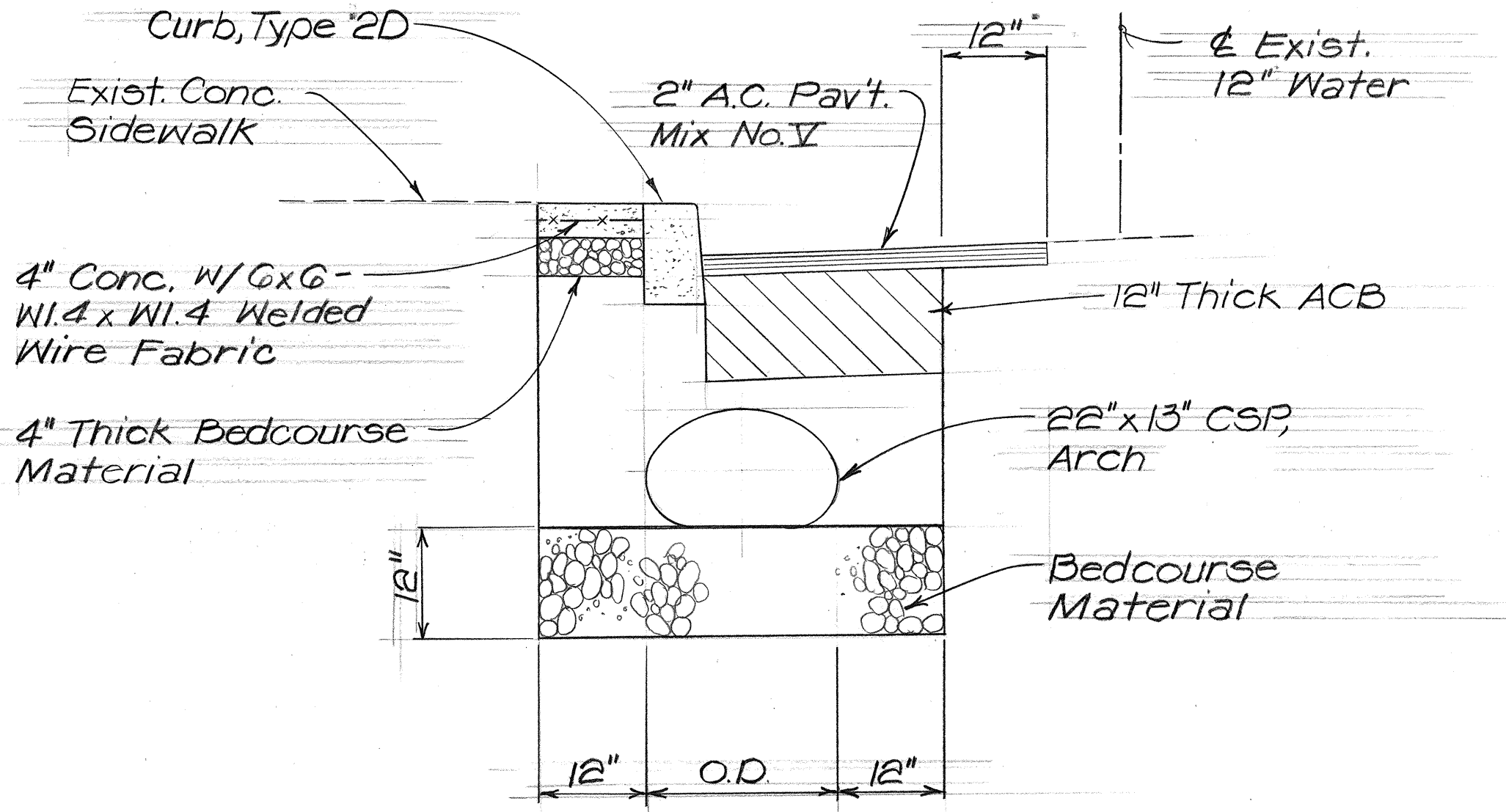
12/13/89	Revised Plan and Profile
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

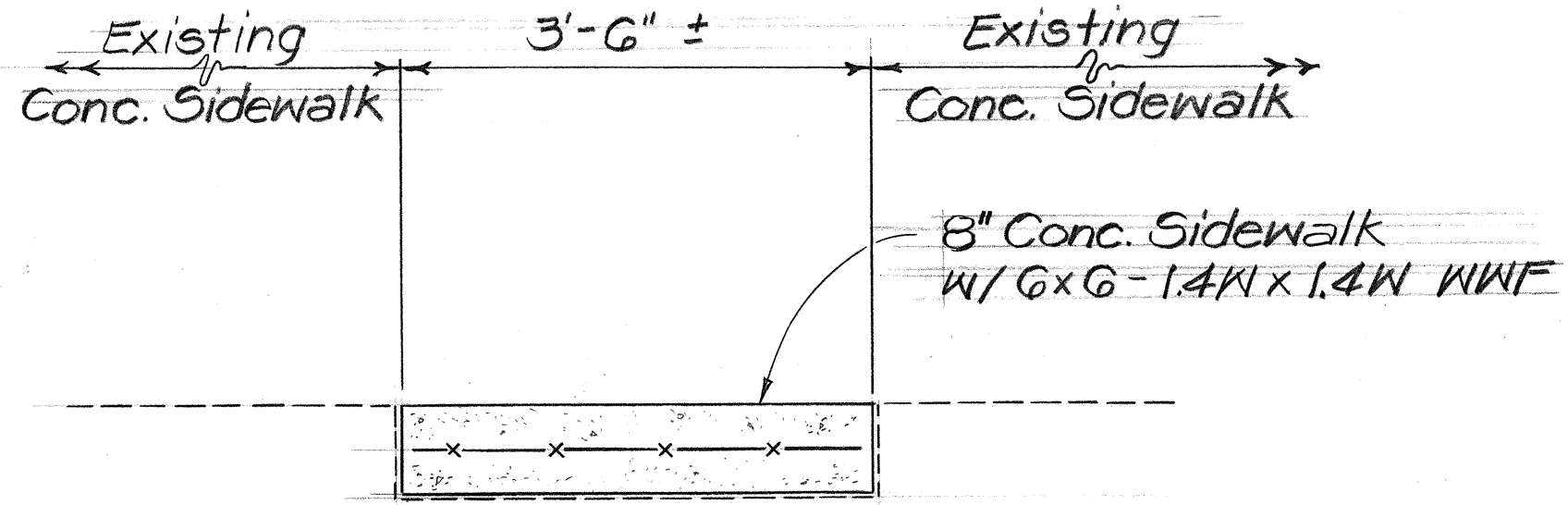
DRAINAGE PLAN

INTERSTATE ROUTE H2 IMPROVEMENTS
Waiawa I.C. To Waiawa I.C.
F.A.I. Project No. IR-H2-1(24)
Scale: As Noted Date: Dec., 1989

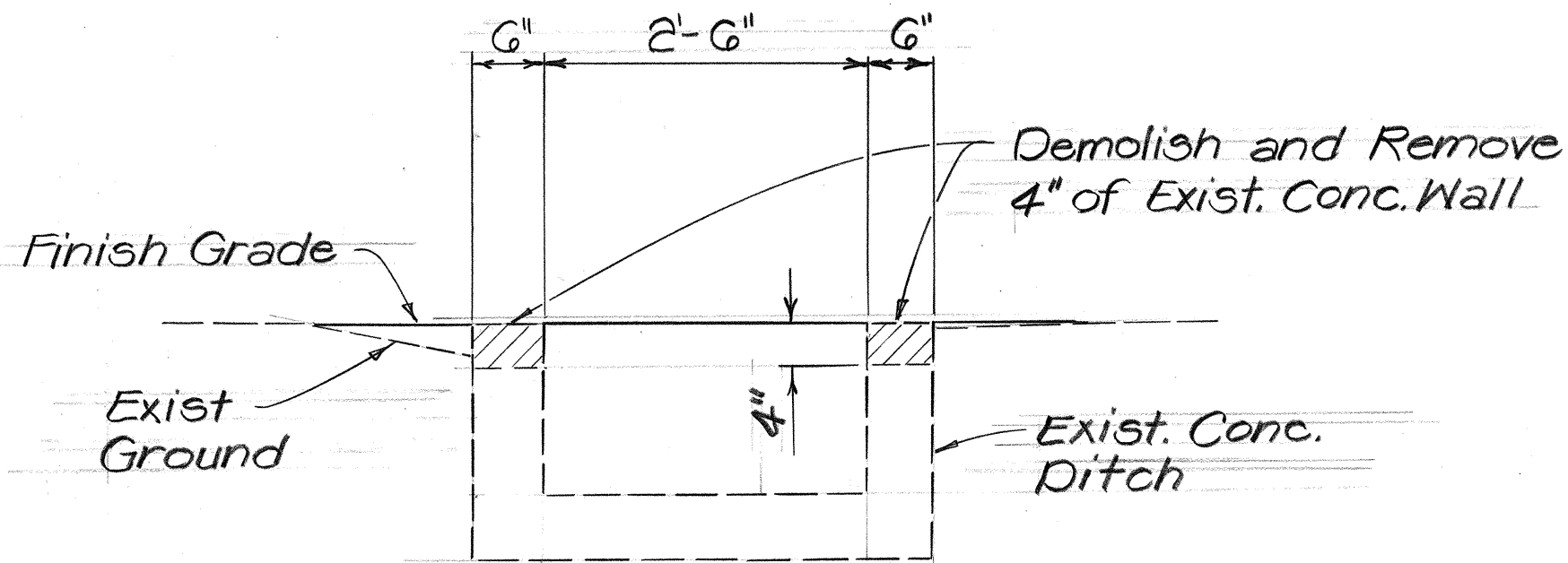
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(24)	1989	C.O. 33	81



DETAIL OF TRENCH AND PAVEMENT RESTORATION
Scale: 3/4"=1'-0"



DETAIL OF 8" REINF. CONC. SIDEWALK
@ STA. 9+93 ±
Scale: 1"=1'-0"



DEMOLISHING AND REMOVING PORTION OF CONCRETE DITCH
Scale: 3/4"=1'-0"

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

12/13/89	Revised sheet to show new details. Plan sht. #34 & 35, deleted from Contract Plan per CQ	Scale As Shown	Date: Dec., 1989
Date	Revision		

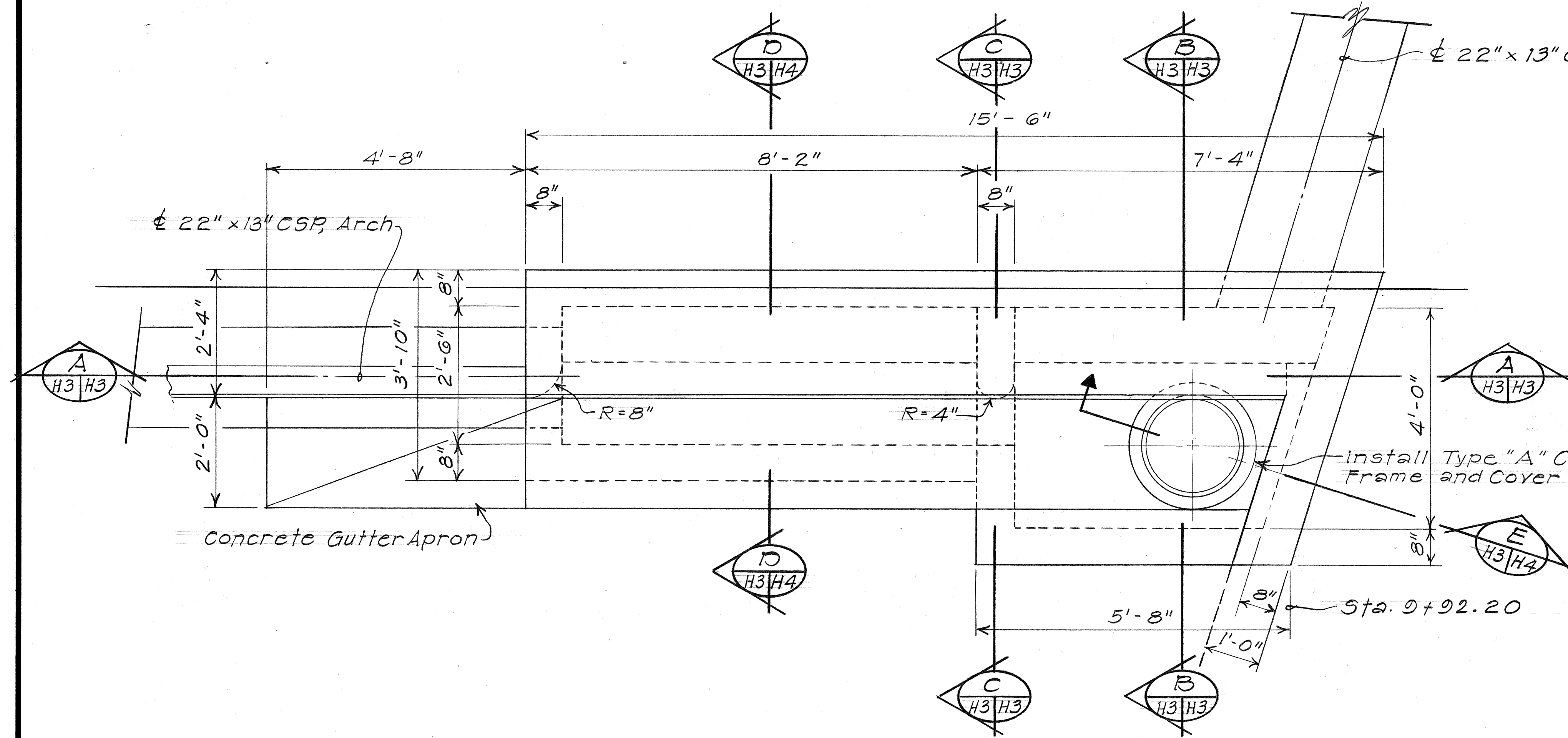
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

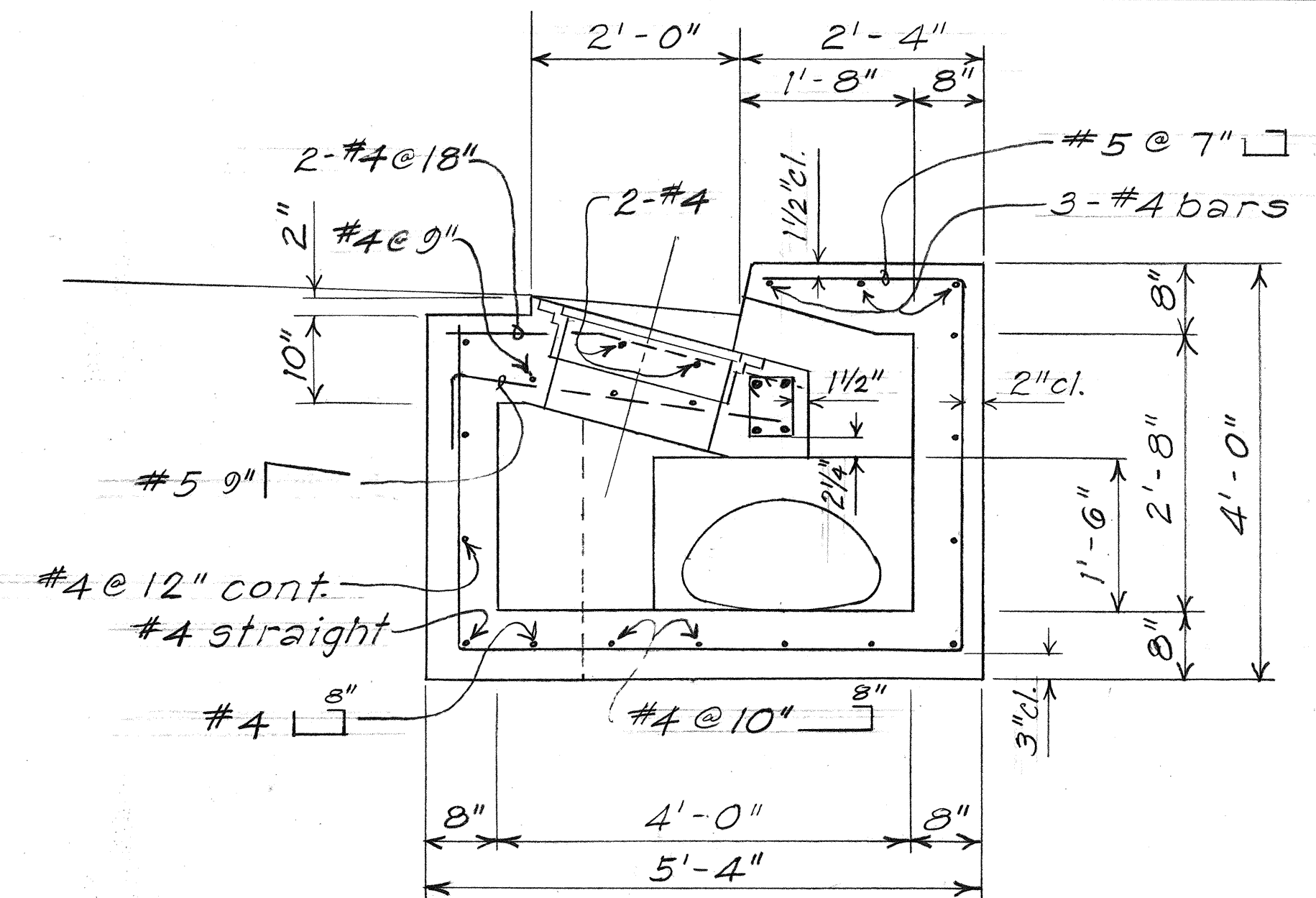
INTERSTATE ROUTE H2 IMPROVEMENTS
Wahiawa I.C. To Waiawa I.C.
F.A.I. Project No. 1R-H2-1(24)

SHEET NO. H2 OF 5 SHEETS

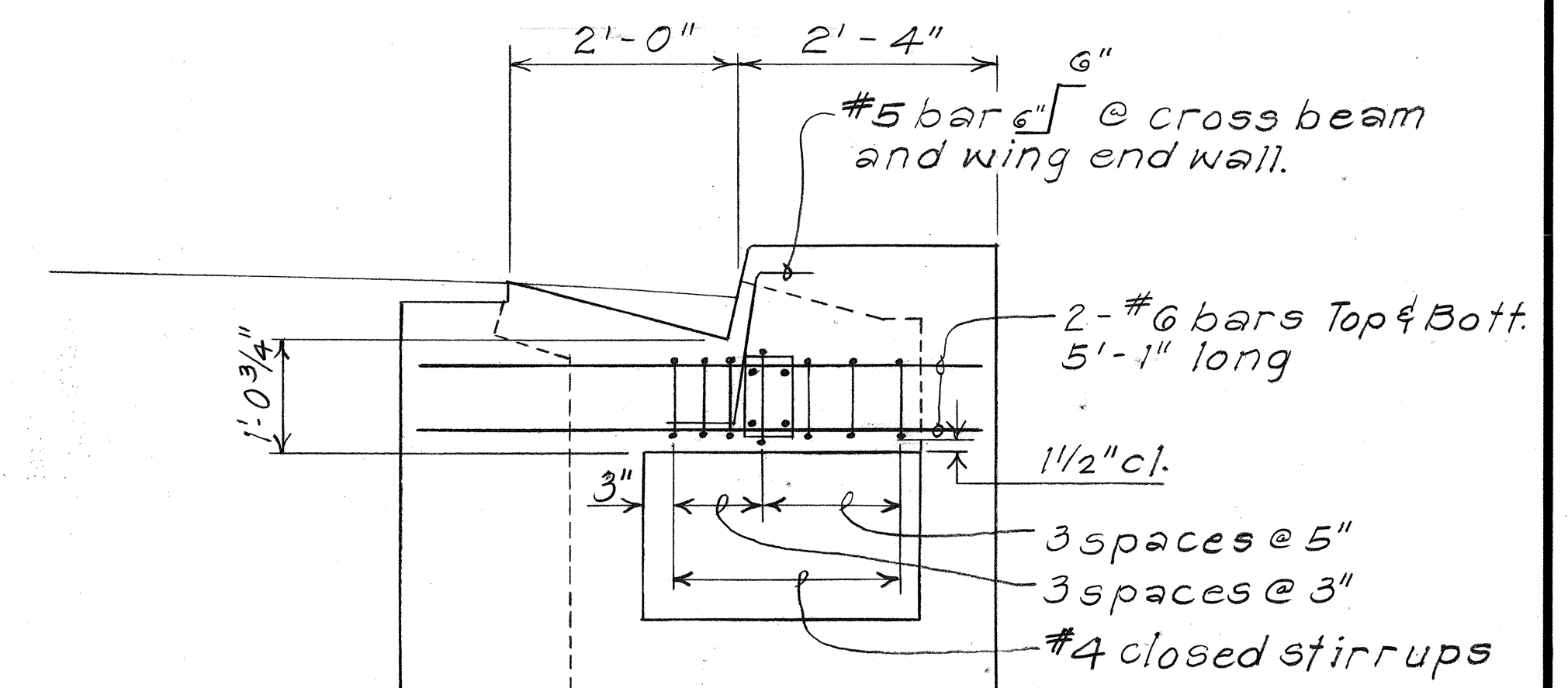
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HAWAII	HAW.	IR-H2-1(24)	1989	34	81



PLAN

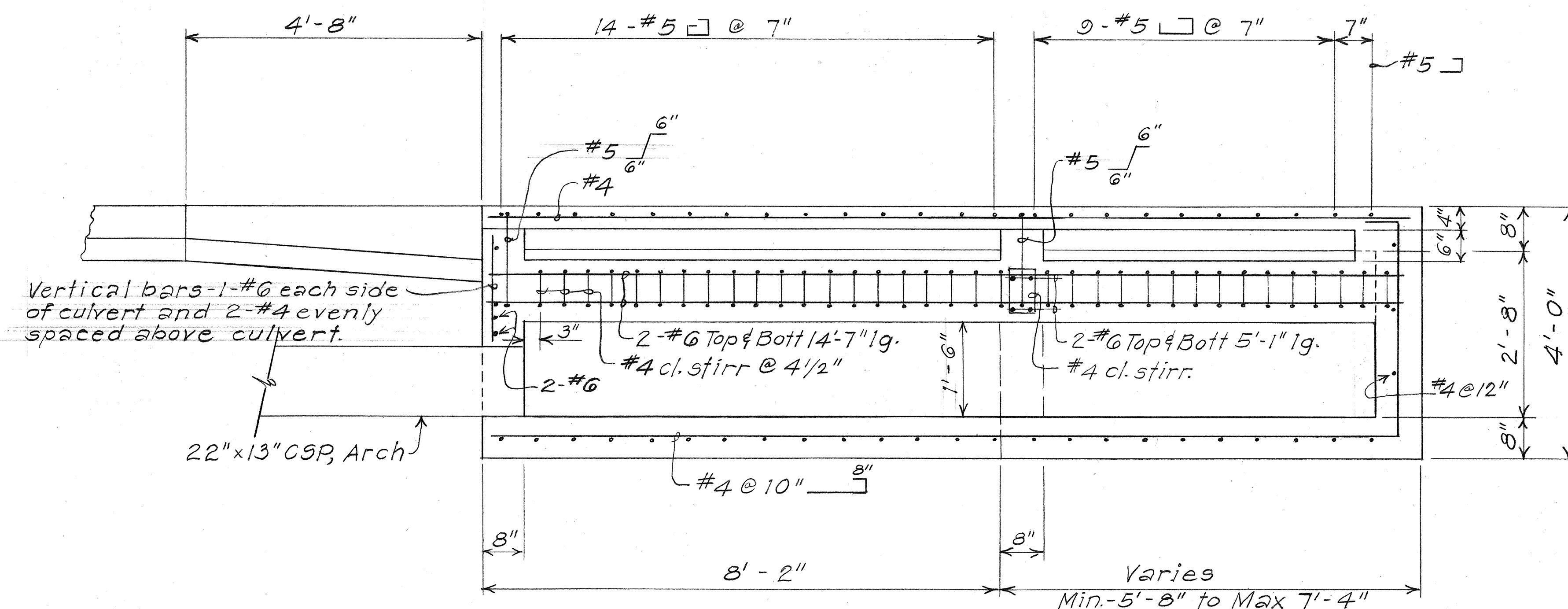


SECTION B
H3/H3



SECTION C
H3/H3

NOTE:
This Sheet deleted from Contract Plans



SECTION A
H3/H3

DETAIL OF TYPE "1" CATCH BASIN AT STA. 9+92.20

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

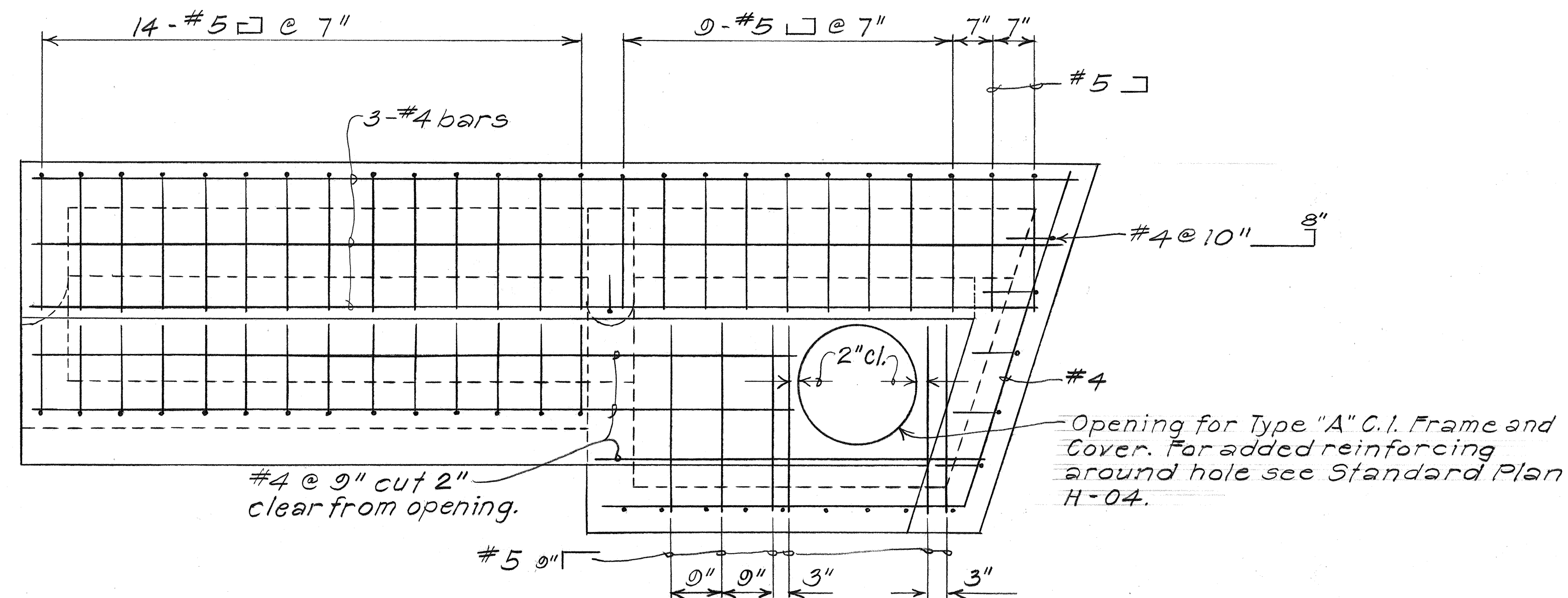
DRAINAGE DETAIL

INTERSTATE ROUTE H2 IMPROVEMENTS
Wahiawa I.C. To Waiawa I.C.
F.A.I. Project No. IR-H2-1(24)

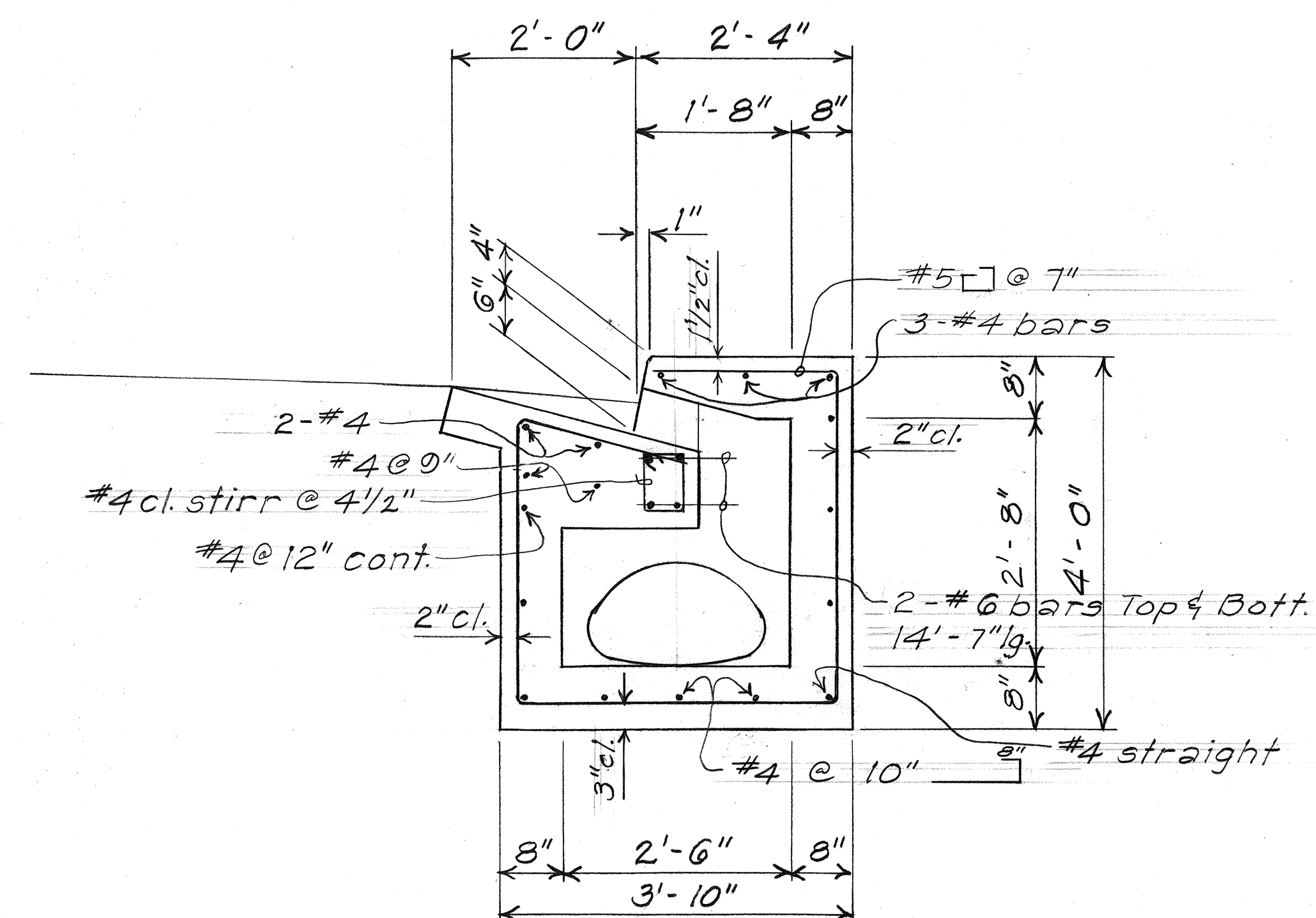
Scale: 3/4" = 1'-0" Date: May, 1989

SHEET NO. H3 OF 5 SHEETS

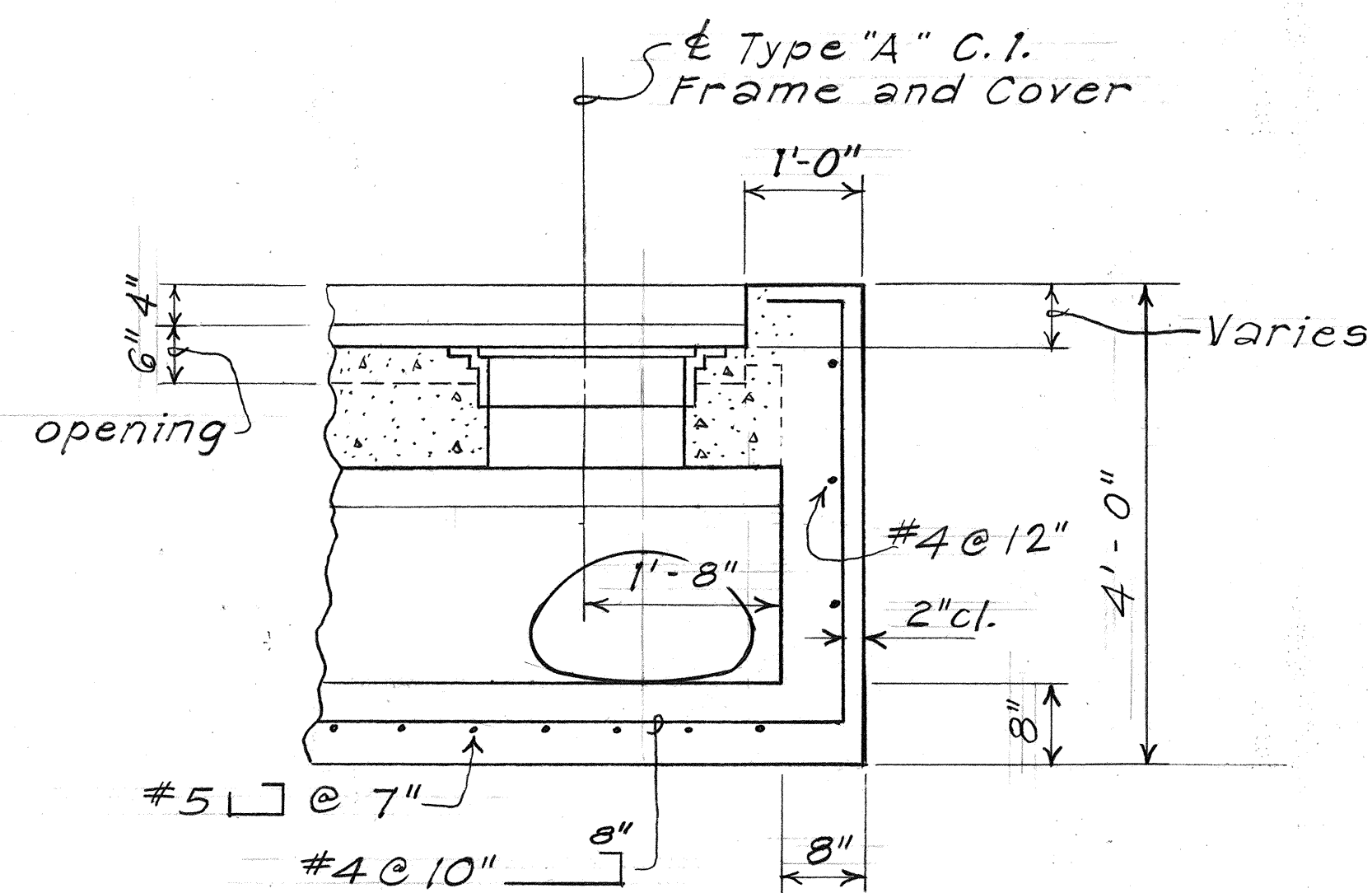
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HAWAII	HAW.	IR-H2-1(24)	1989	35	81



PLAN VIEW OF REINFORCING STEEL



SECTION D
H3 H4



SECTION E
H3 H4

DETAIL OF TYPE "1" CATCH BASIN AT STA. 9 + 92.20

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

NOTE:
This Sheet deleted from Contract Plans.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAIL

INTERSTATE ROUTE H2 IMPROVEMENTS

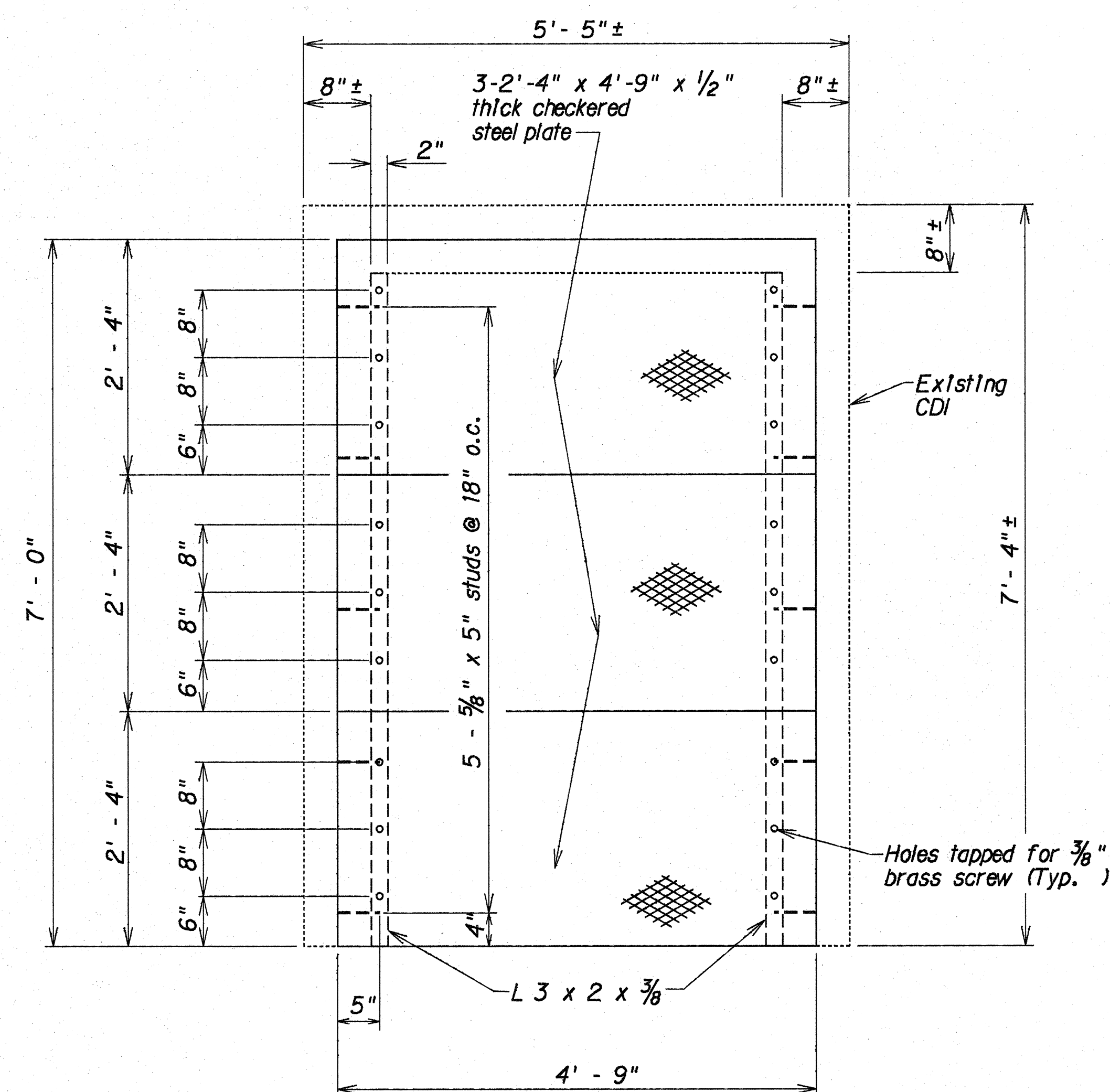
Wahiawa I.C. To Waiawa I.C.

F.A.I. Project No. IR-H2-1(24)

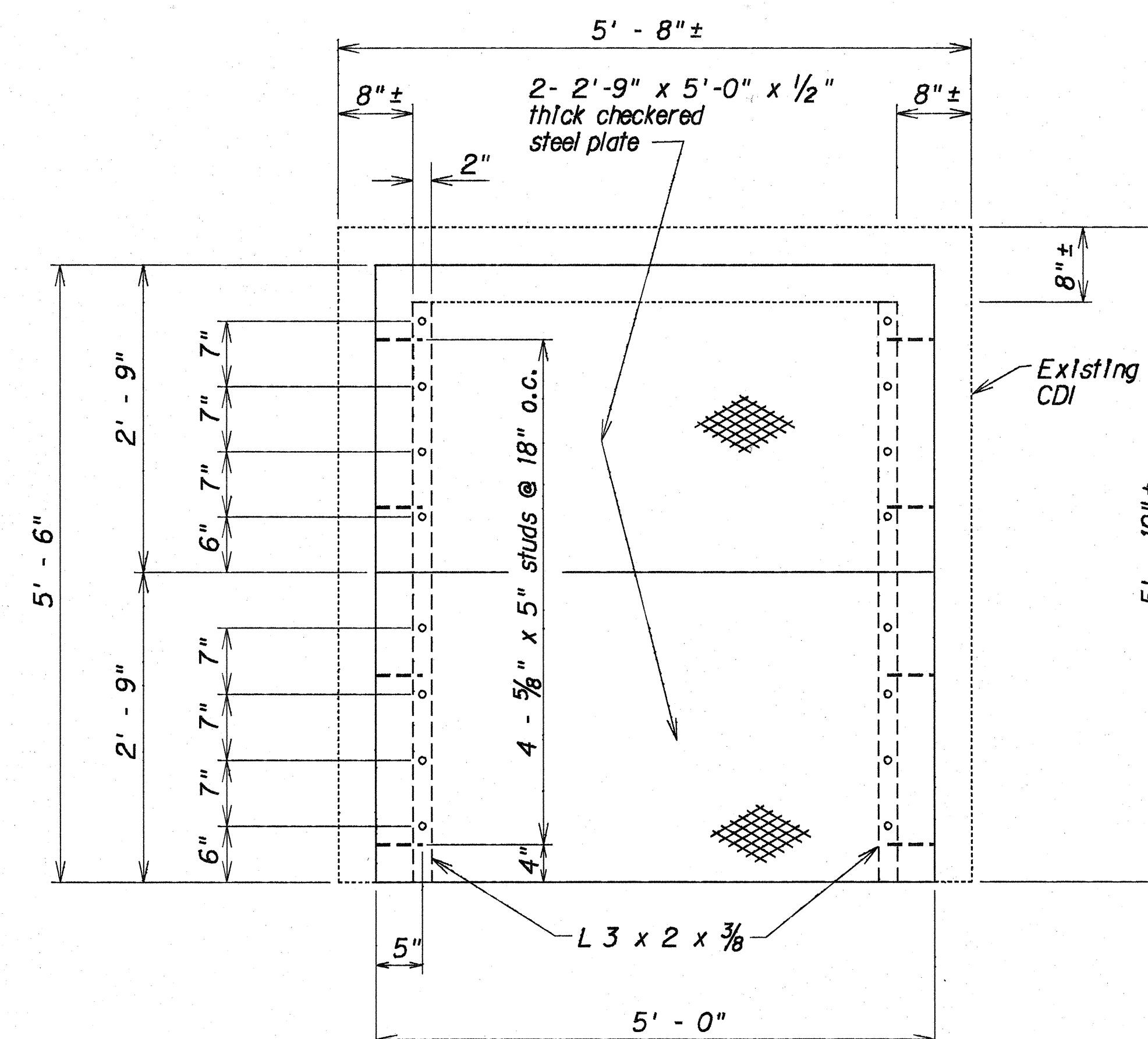
Scale: 3/4" = 1' - 0" Date: May, 1989

SHEET NO. H4 OF 5 SHEETS

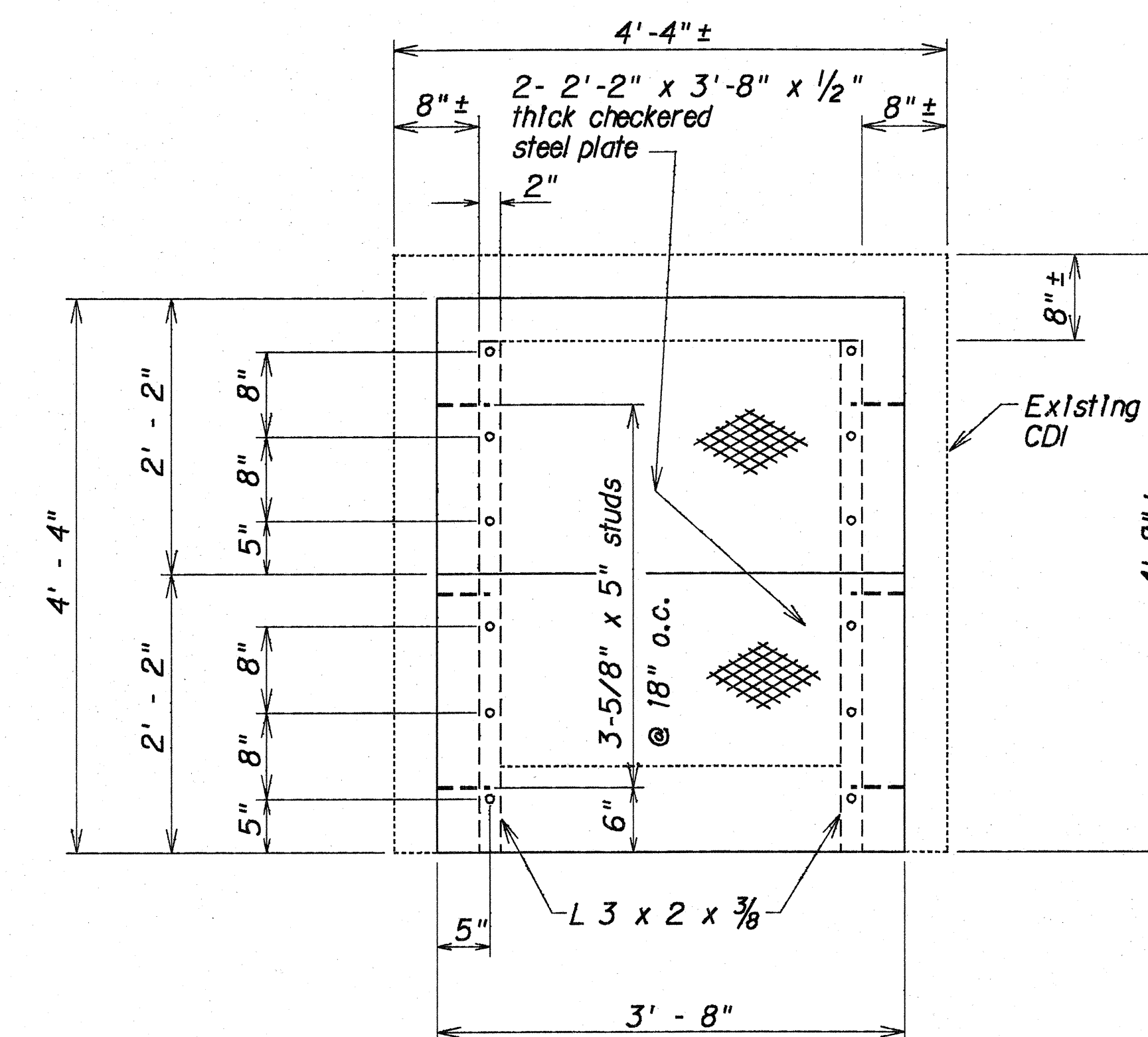
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	IR-H2-1(24)	1989	36	81



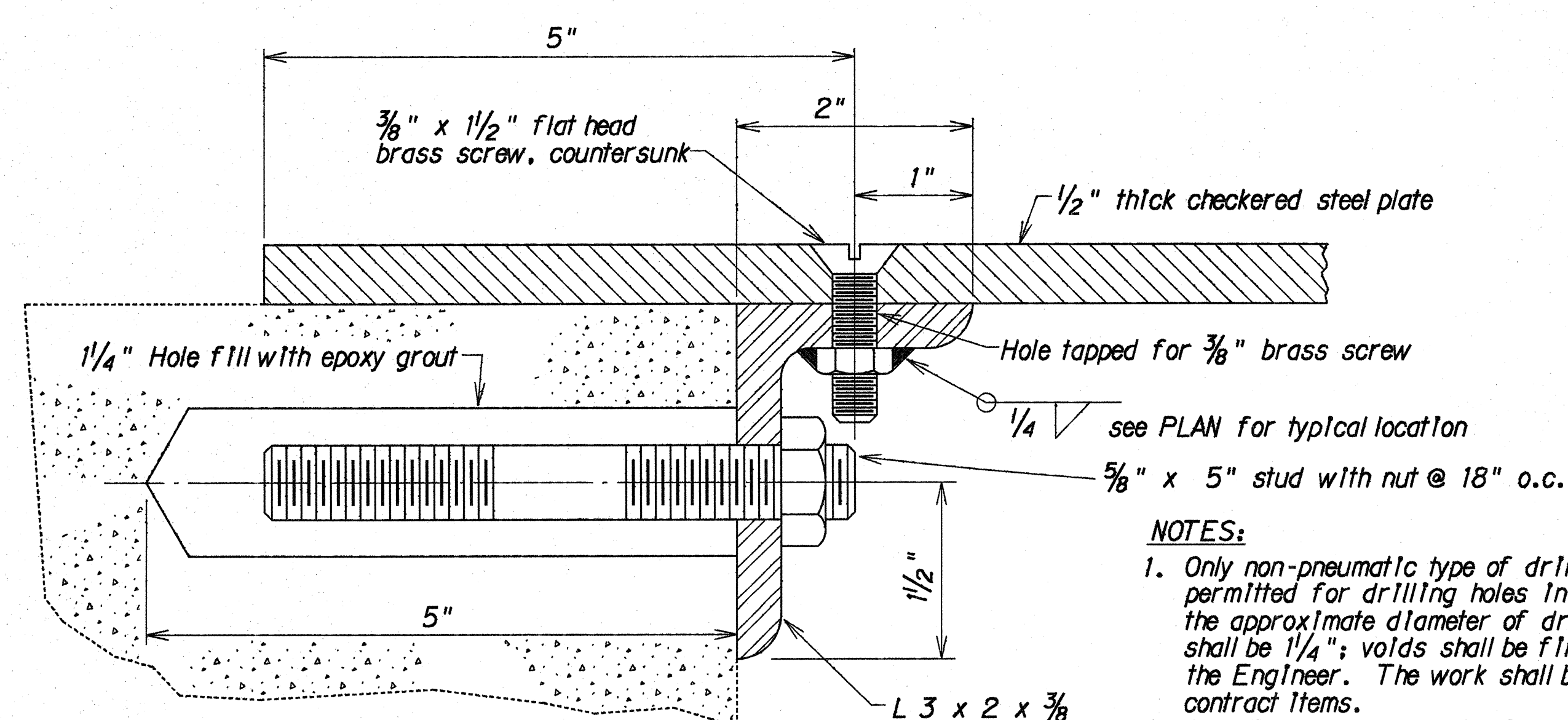
RAMP "MW-2" STA. 22 + 00± o/s 71'± LT.



RAMP "D" STA. 10 + 28 ± o/s 30' ± RT.



"E RANGE" RD. STA. 3 + 38± o/s 64'± LT.

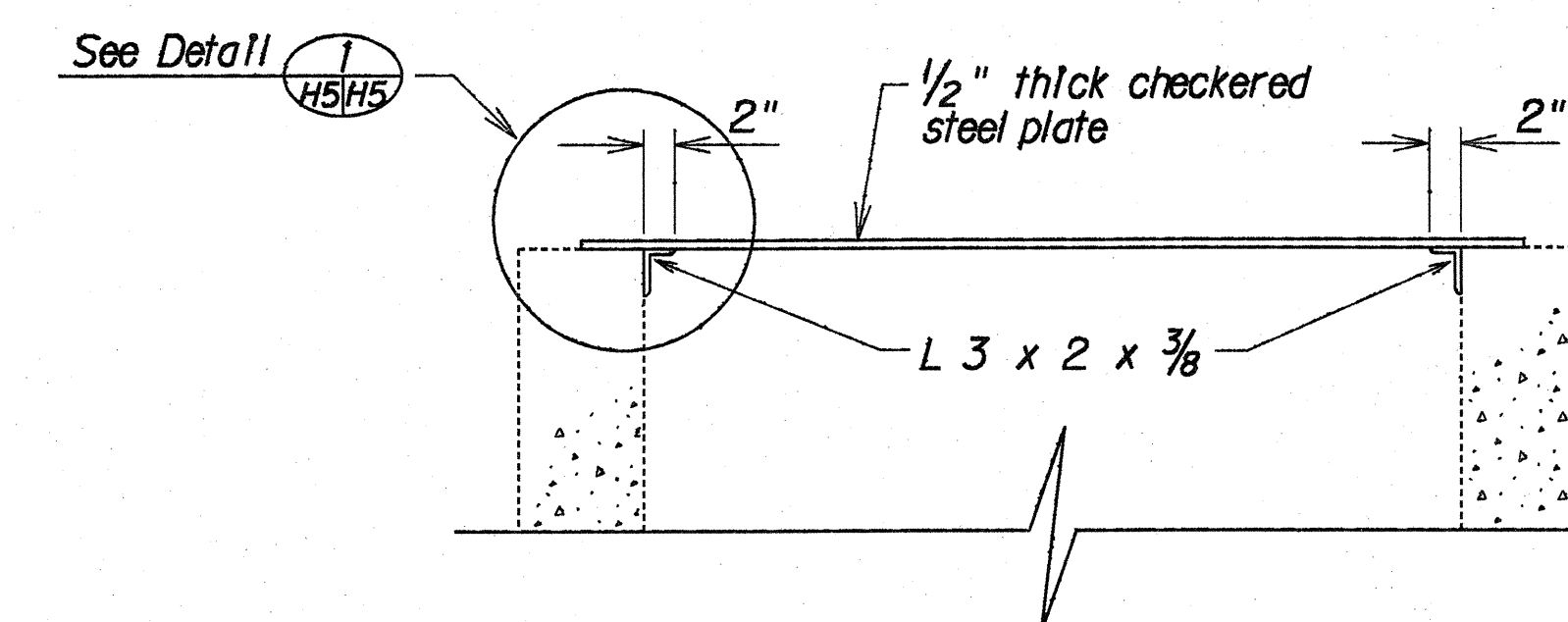


DETAIL 1

Full Size H5 H5

DETAILS OF STEEL PLATES ON EXISTING CDI

Scale: 1" = 1' - 0"



TYPICAL ELEVATION

Plan Sheets 34 & 35,
deleted from Contract
Plans per C.O.

DATE	REVISION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAIL

INTERSTATE RTE. H-2 IMPROVEMENTS
Wahlaia I.C. to Wailua I.C.
F.A.I. PROJECT NO. IR-H2-1(24)

Scale: 1" = 1' - 0" Date: May, 1989

SHEET No. 45 OF 5 SHEETS