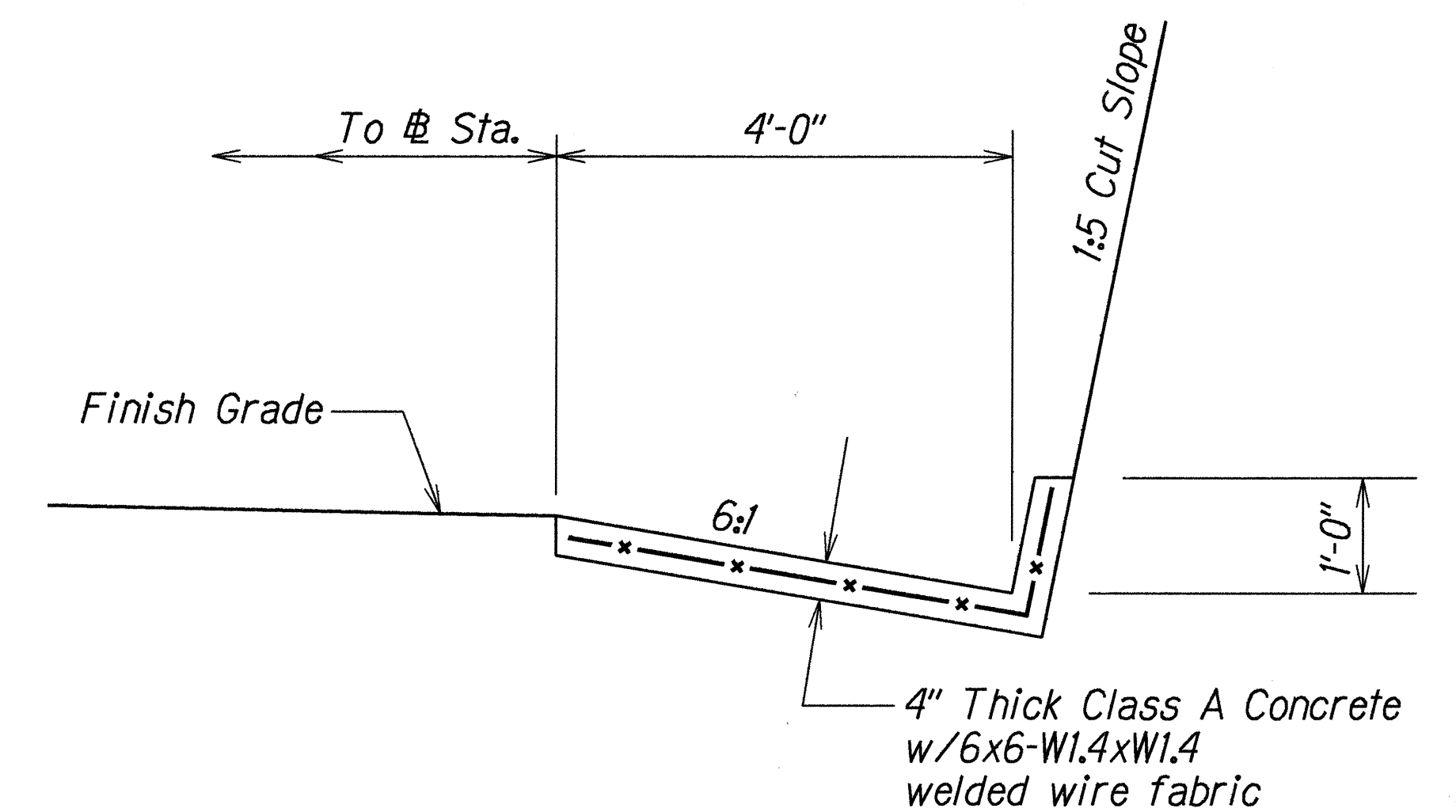
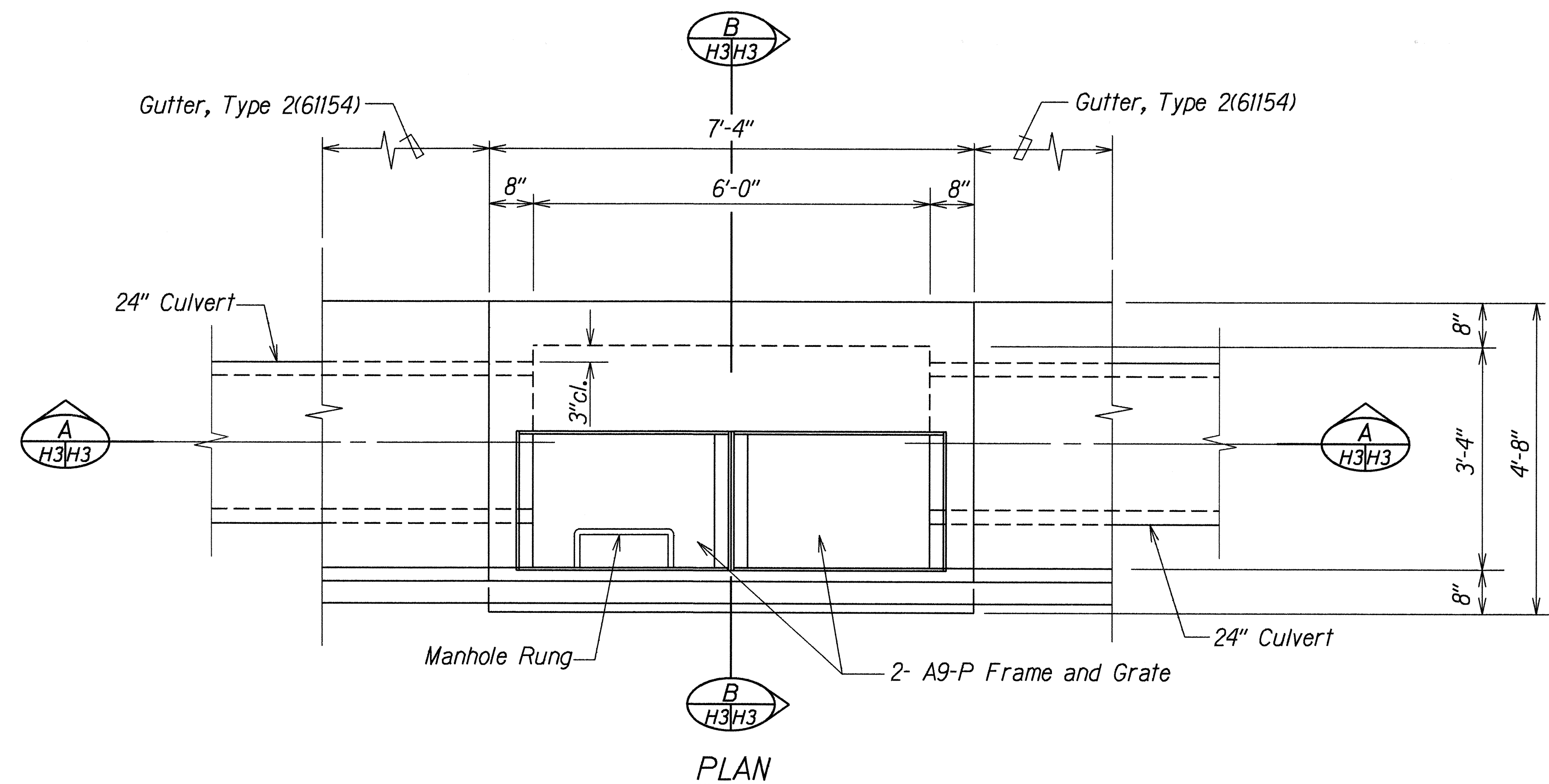
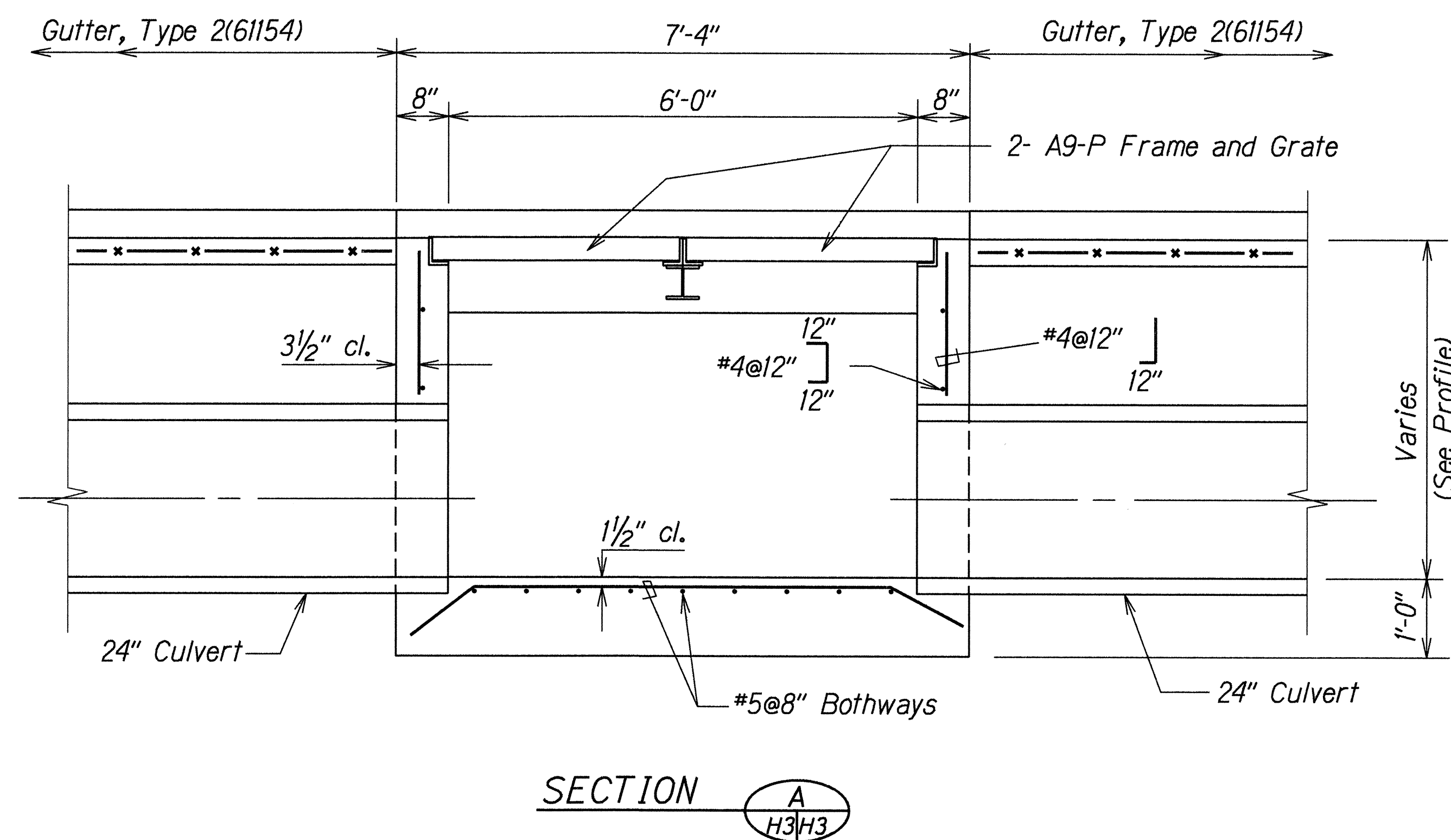


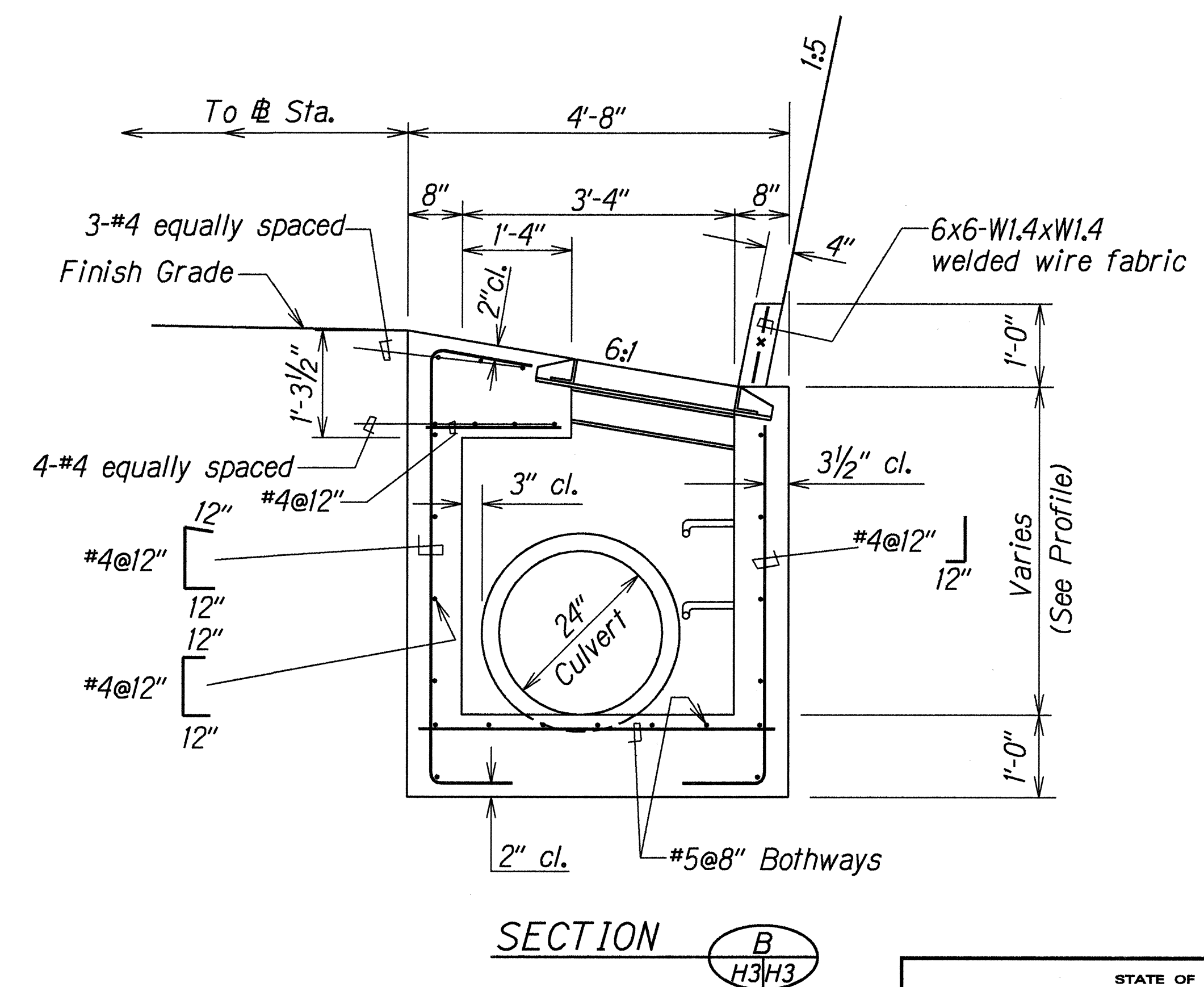
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360A-04-95	1998	9	20



DETAIL OF GUTTER, TYPE 2(61154)



DETAIL OF TYPE "2-A9-P" GRATED DROP INLET



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

HANA HIGHWAY
IMPROVEMENTS AT M.P. 14.39
Project No. 360A-04-95

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

Date: June, 1998

SHEET No. H3 OF 5 SHEETS

Diagram illustrating the cross-section of a concrete curb and gutter. The curb is 4'-0" wide, with 2'-0" on each side of the gutter. The gutter is 2'-0" wide. The curb is constructed with a 4" A.C. Base Course and a 4" Thick Class A Concrete w/6x6-W1.4xW1.4 welded wire fabric. The diagram also shows the Finish Grade of A.C. Pav't. and the Finish Grade.

FED. ROAD
DIST. NO.
HAWAII

R/W Line

1'-0"

4'-0"

O.D.

4'-0"

2'-3 1/2"

O.D.

4'-0"±

Grouted Rubble Paving

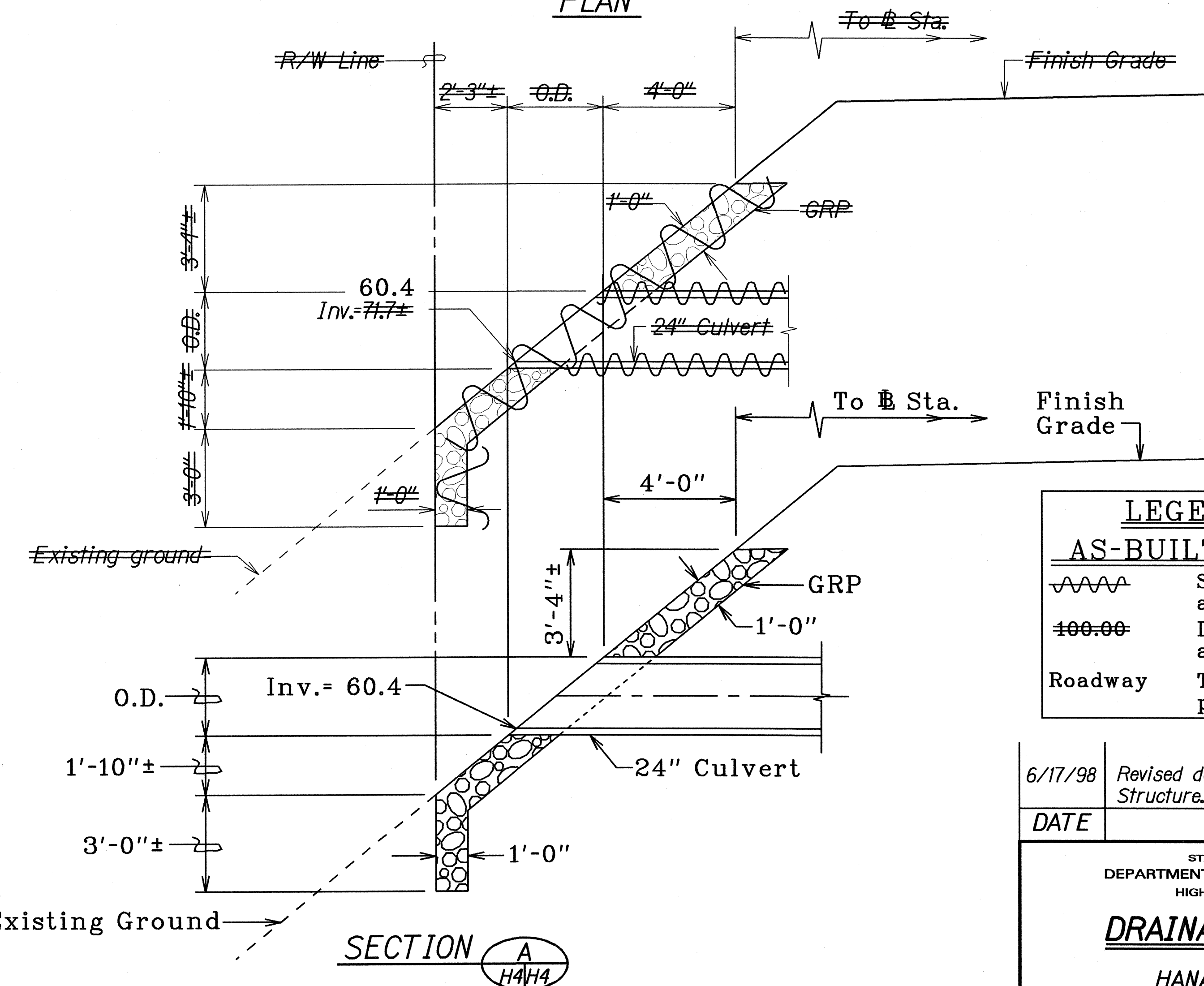
24" Culvert

Top of Embankment

A
H4/H4

A
H4/H4

PLAN



DETAILS OF GRP OUTLET STRUCTURE
Scale: $\frac{3}{8}$ "=1'-0"

6/17/98	<i>Revised details of GRP Outlet Structure.</i>
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINAGE DETAILS

HANA HIGHWAY

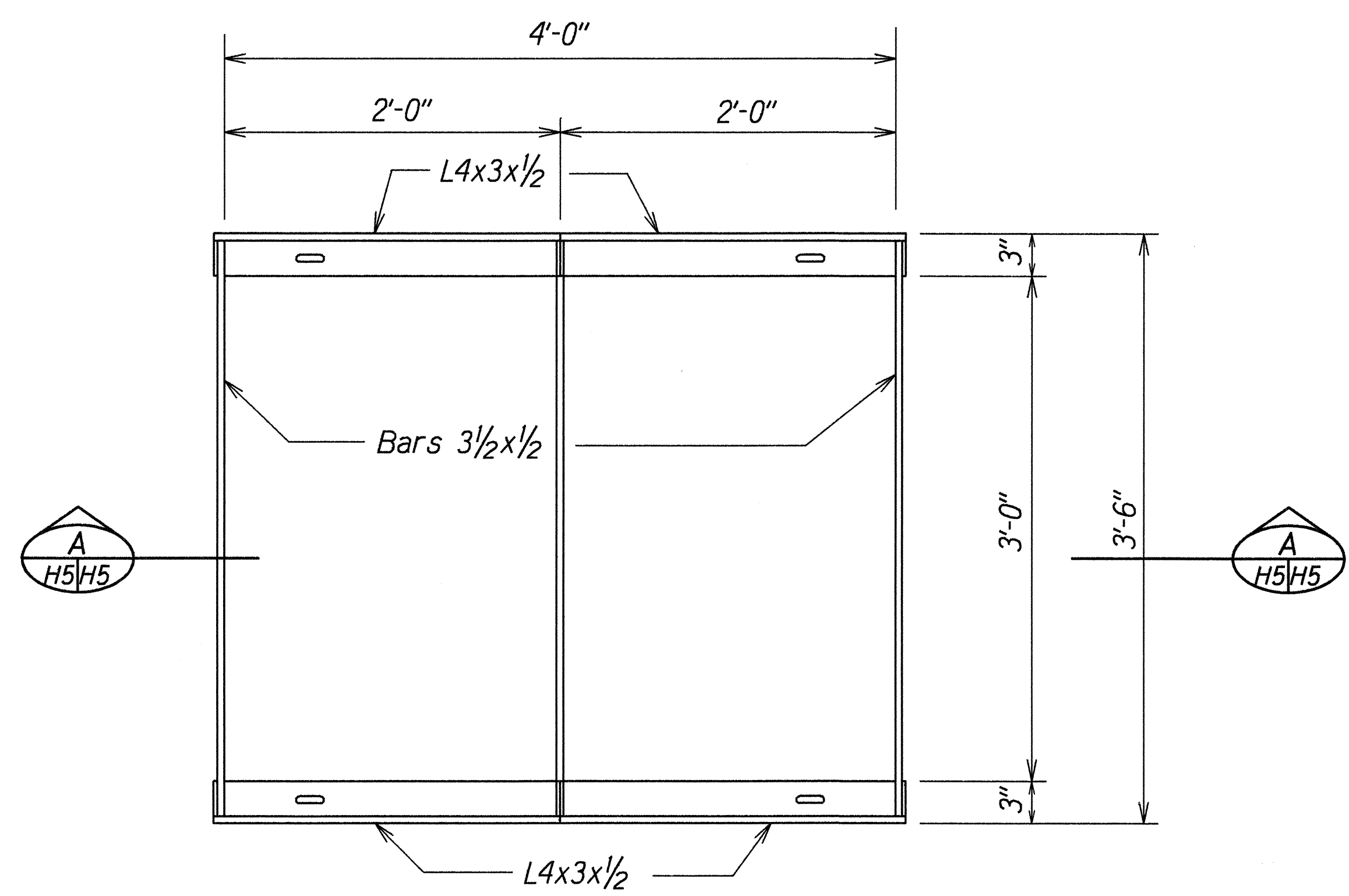
IMPROVEMENTS AT M.P. 14.39

Project No. 360A-04-95

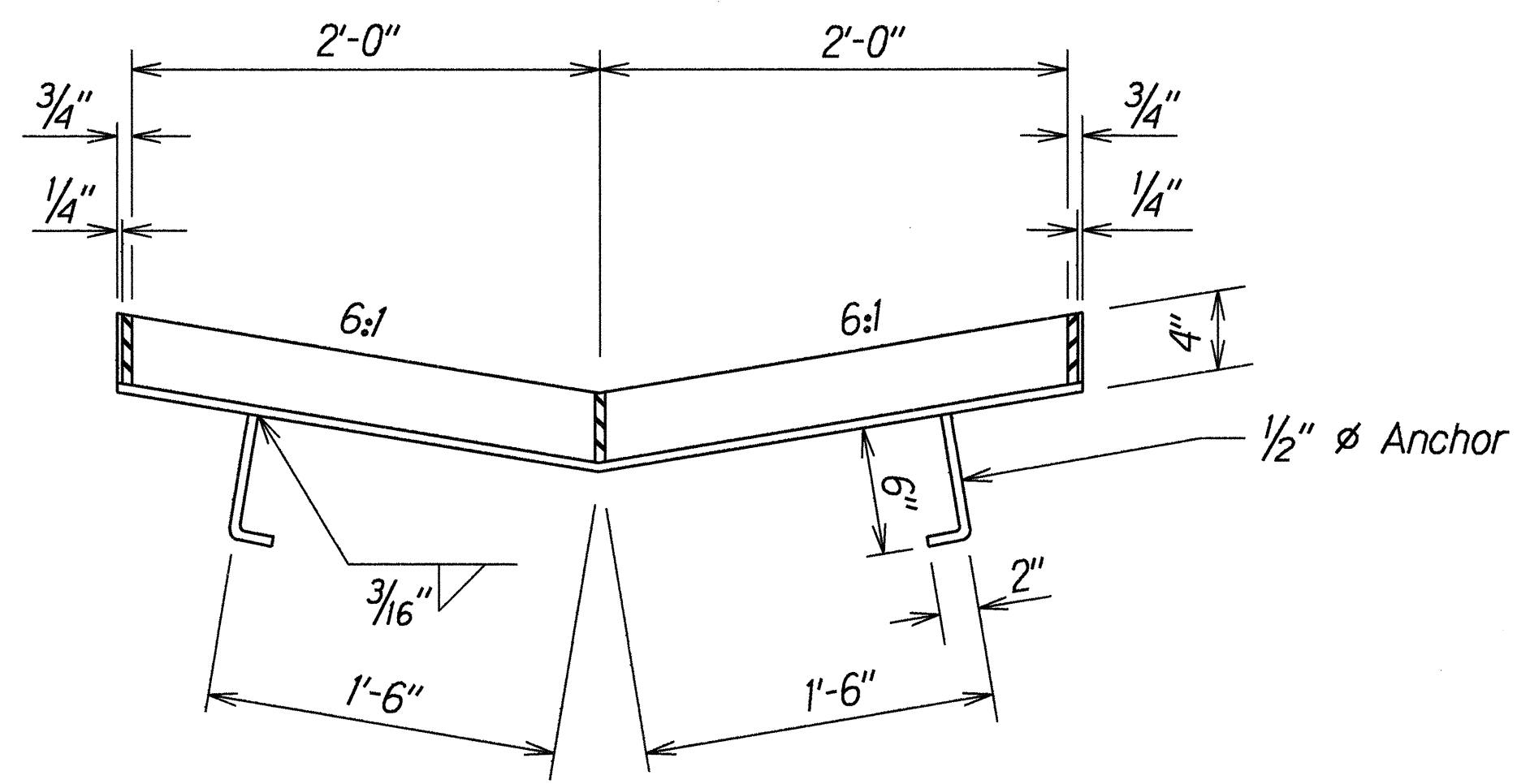
Scale: As Noted Date: June, 1998

SHEET No. *H4* OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360A-04-95	1998	11	20

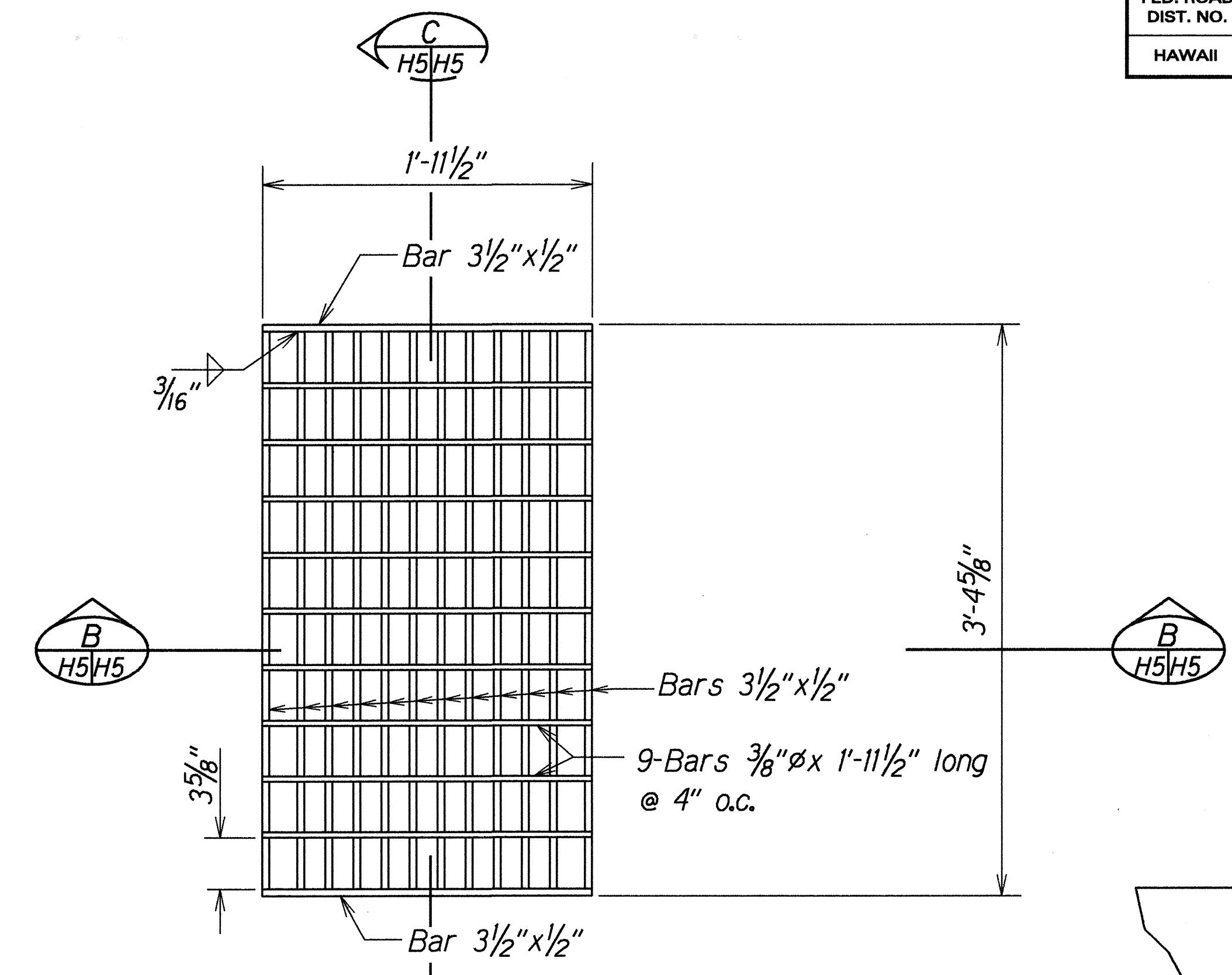


PLAN

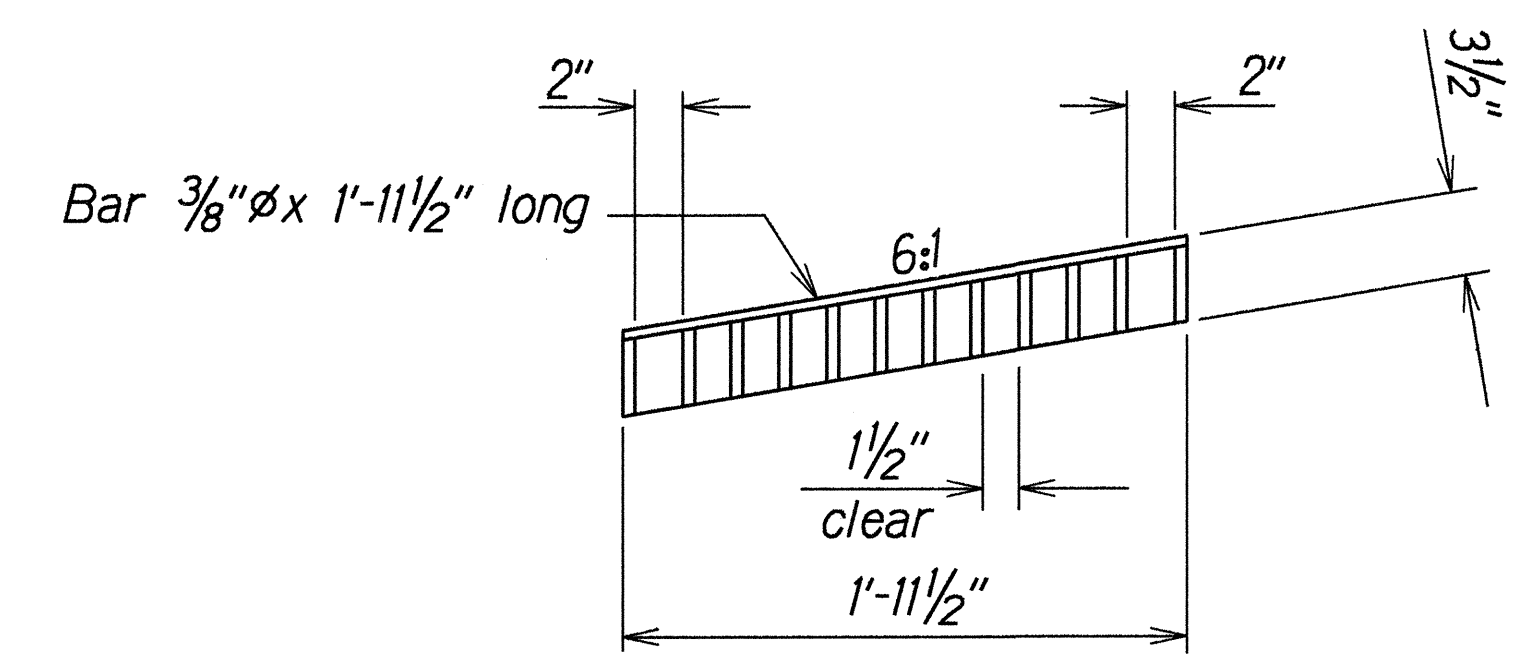


SECTION A
H5/H5

FRAME

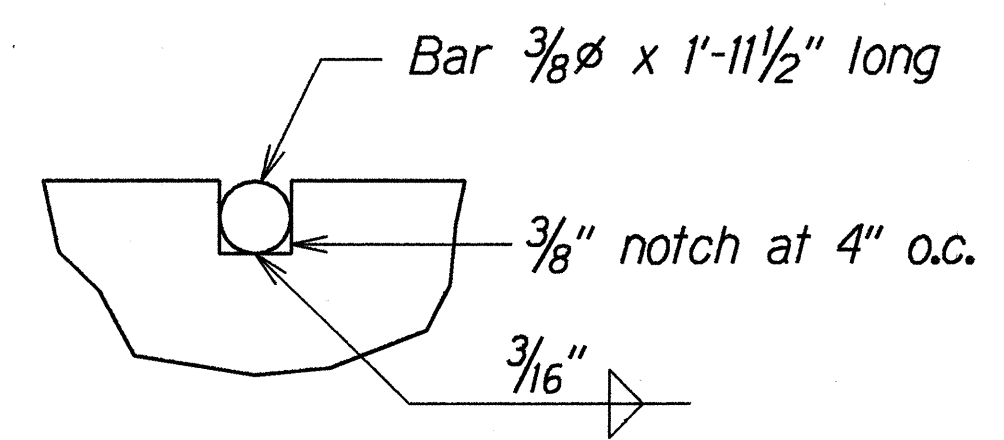


PLAN

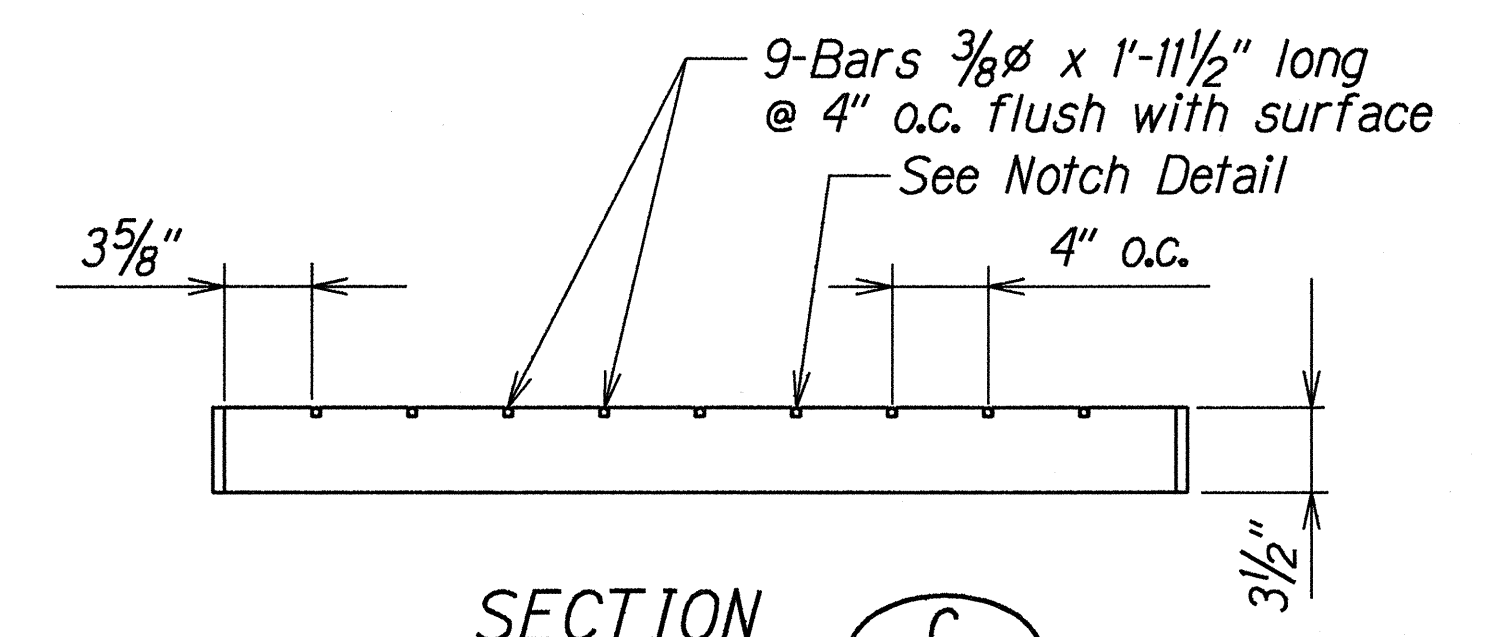


SECTION B
H5/H5

GRATE



NOTCH DETAIL
Full Size



SECTION C
H5/H5

NOTE:
All welds 3/8" unless otherwise noted.

DETAIL OF TYPE 61614P STEEL FRAME & GRATES

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	6/1/98
DRAWN BY	L. Cockett
DESIGNED BY	C. Matsuda
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

HANA HIGHWAY
IMPROVEMENTS AT M.P. 14.39
Project No. 360A-04-95

Scale: 1 1/2" = 1'-0" Date: June, 1998

SHEET No. H5 OF 5 SHEETS