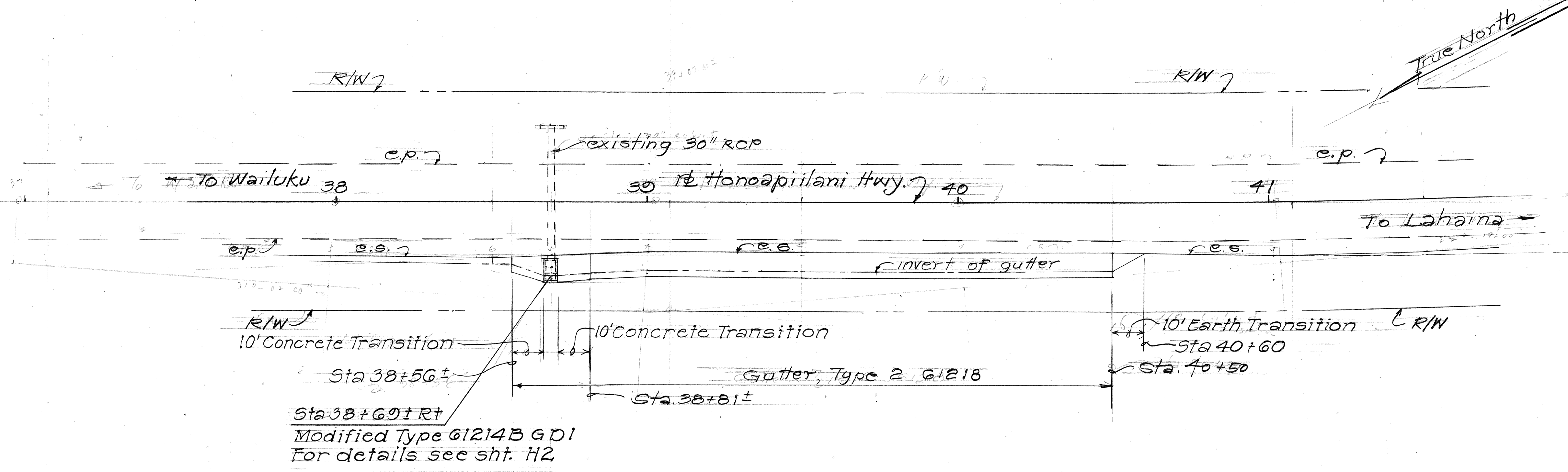
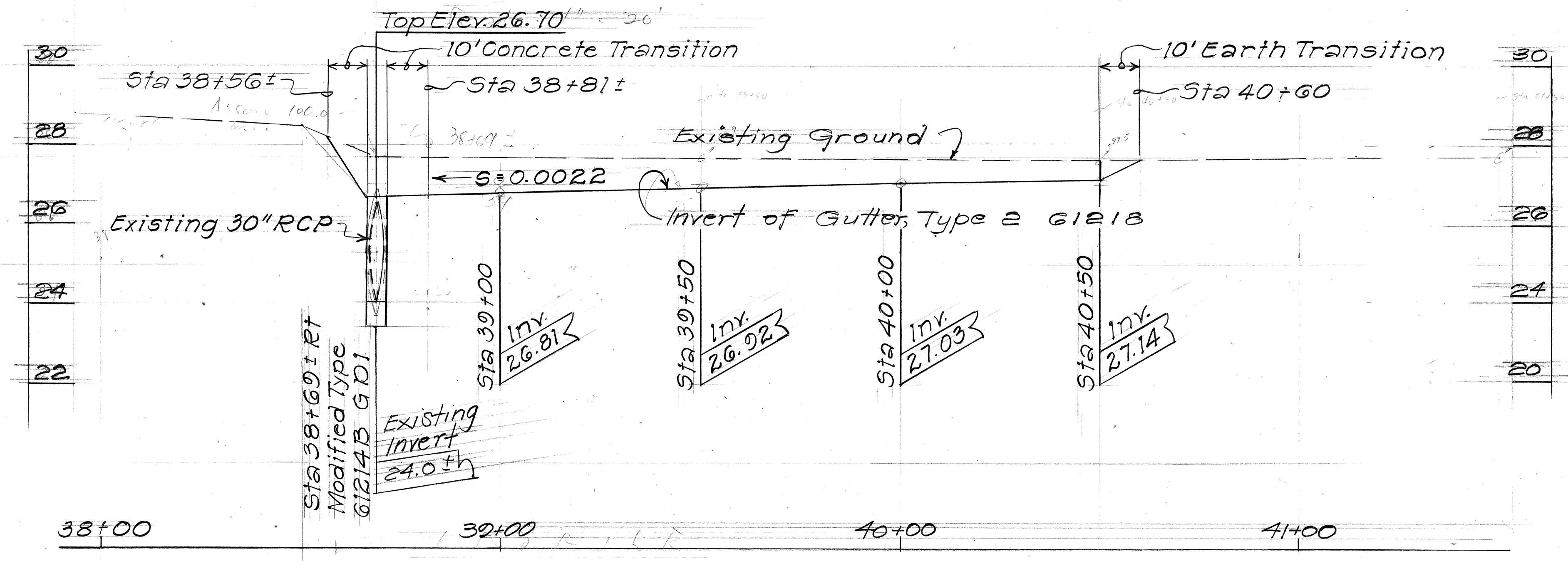


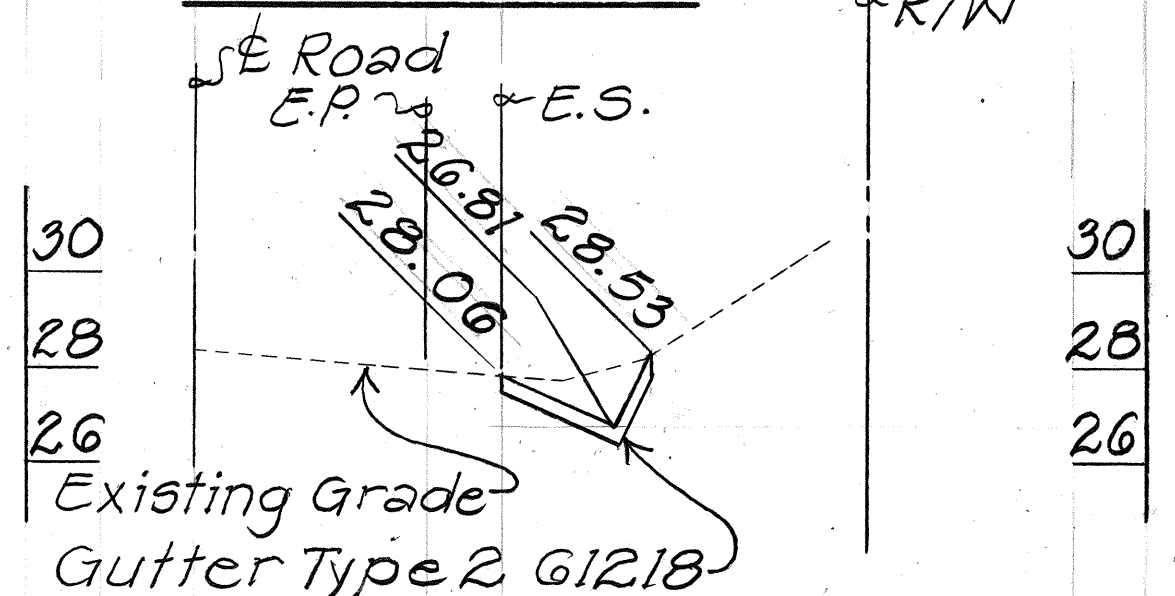
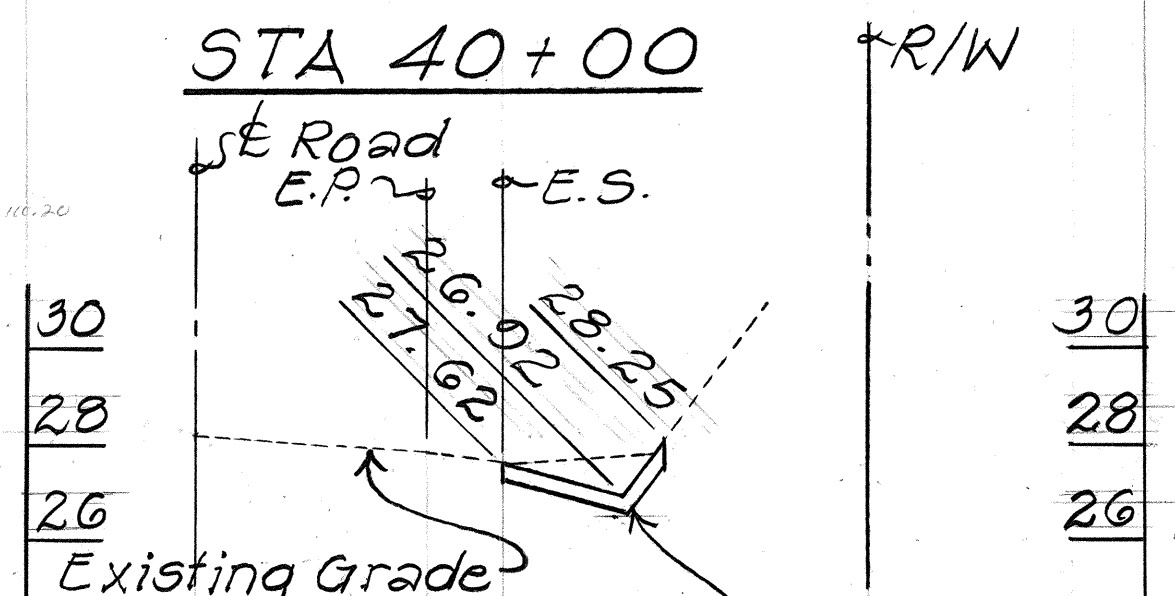
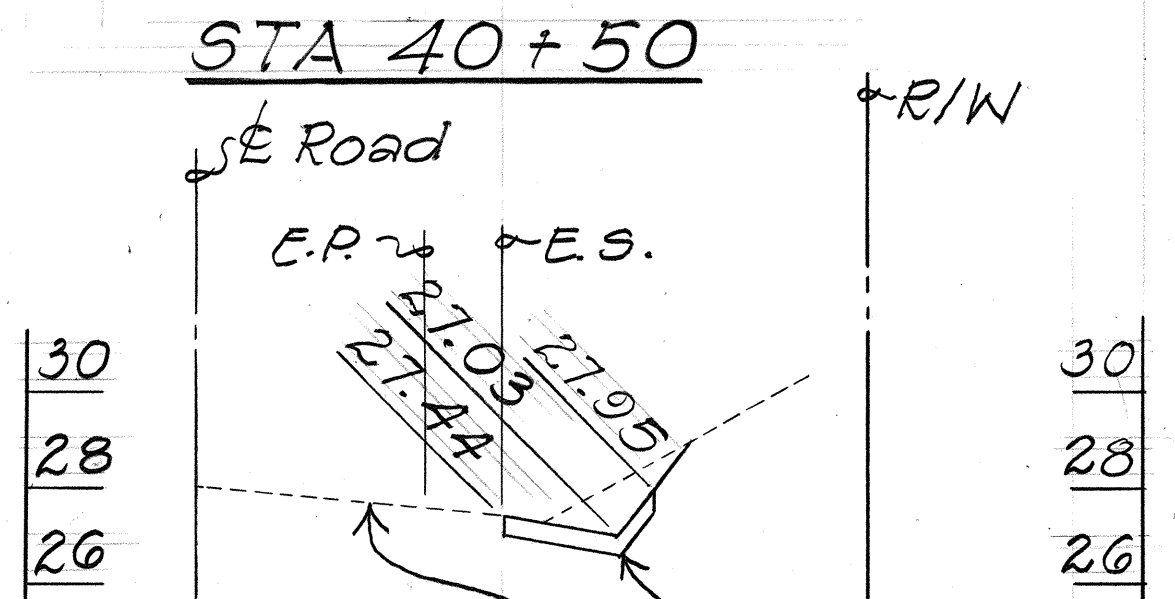
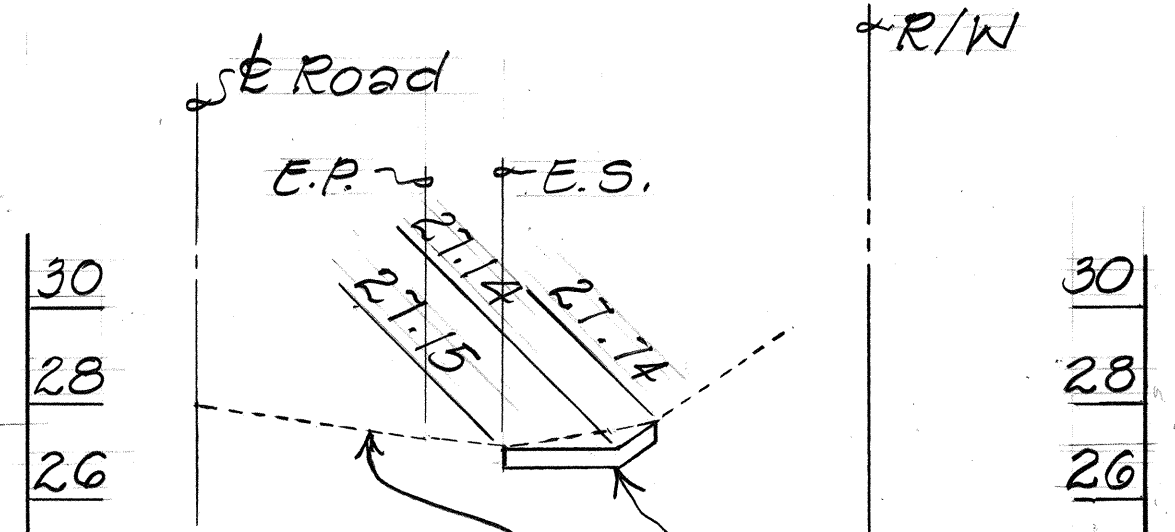
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30C-01-86M	1986	8	14



PLAN
Scale: 1" = 20'



PROFILE
Scale: Horiz: 1" = 20'
Vert: 1" = 2'



CROSS SECTIONS
Scale: Horiz: 1" = 10'
Vert: 1" = 4'

DRAINAGE NOTES:

- Existing drainage system will be functional at all times during construction, Contractor to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. Above work shall be incidental to the various contract items.
- Demolishing and removing of the existing structure, shall not be paid for separately but shall be considered incidental to the various contract items.
- Contractor shall verify the locations of all culverts, utilities in the field. Any damage incurred during construction shall be repaired at the expense of the Contractor.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

HONOAPIILANI HIGHWAY RESURFACING

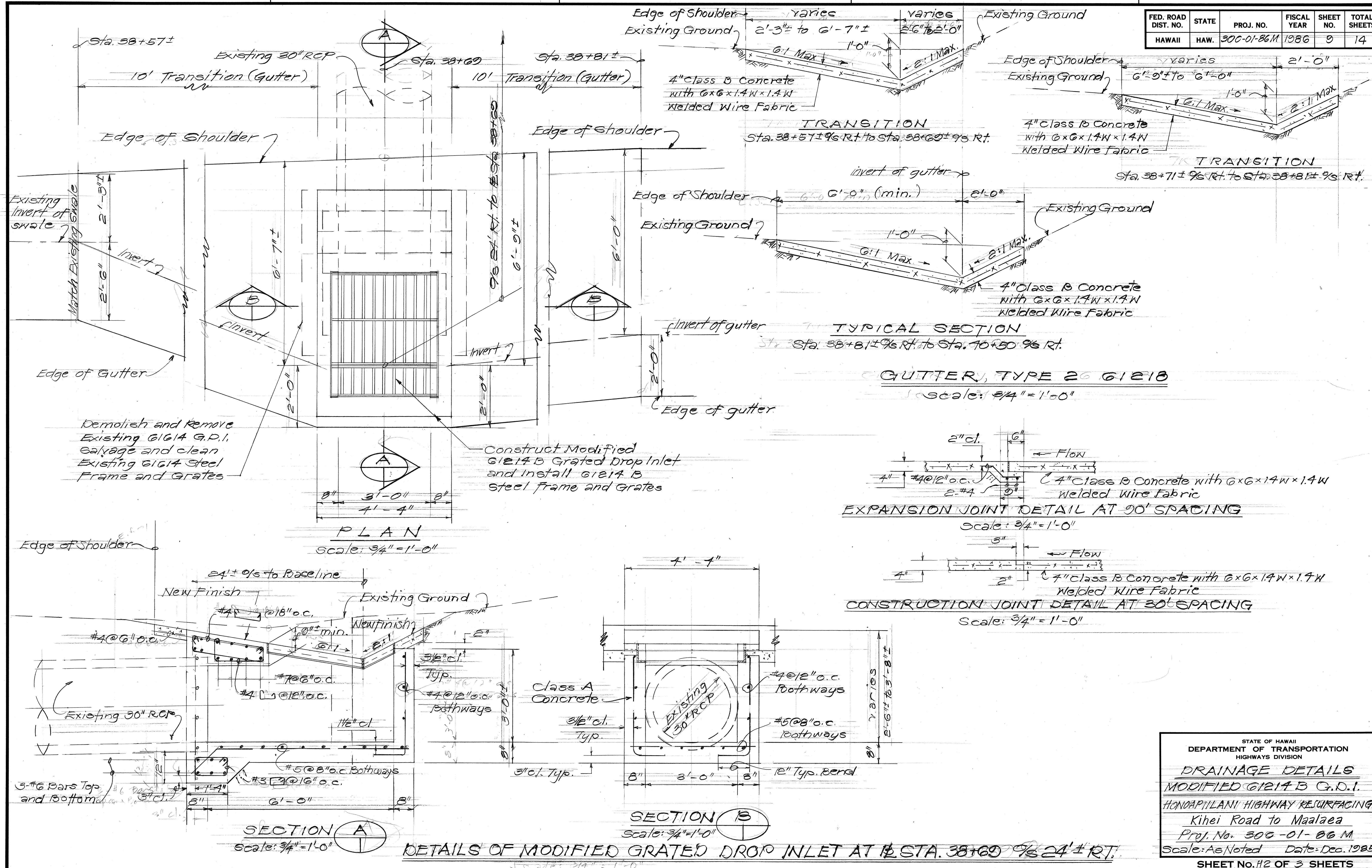
Kihei Road to Maalaea

Proj. No. 30C-01-86M

Scale: As Noted Date: Jan. 1986

SHEET NO. H1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET:
HAWAII	HAW.	300-01-86M	1986	9	14



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

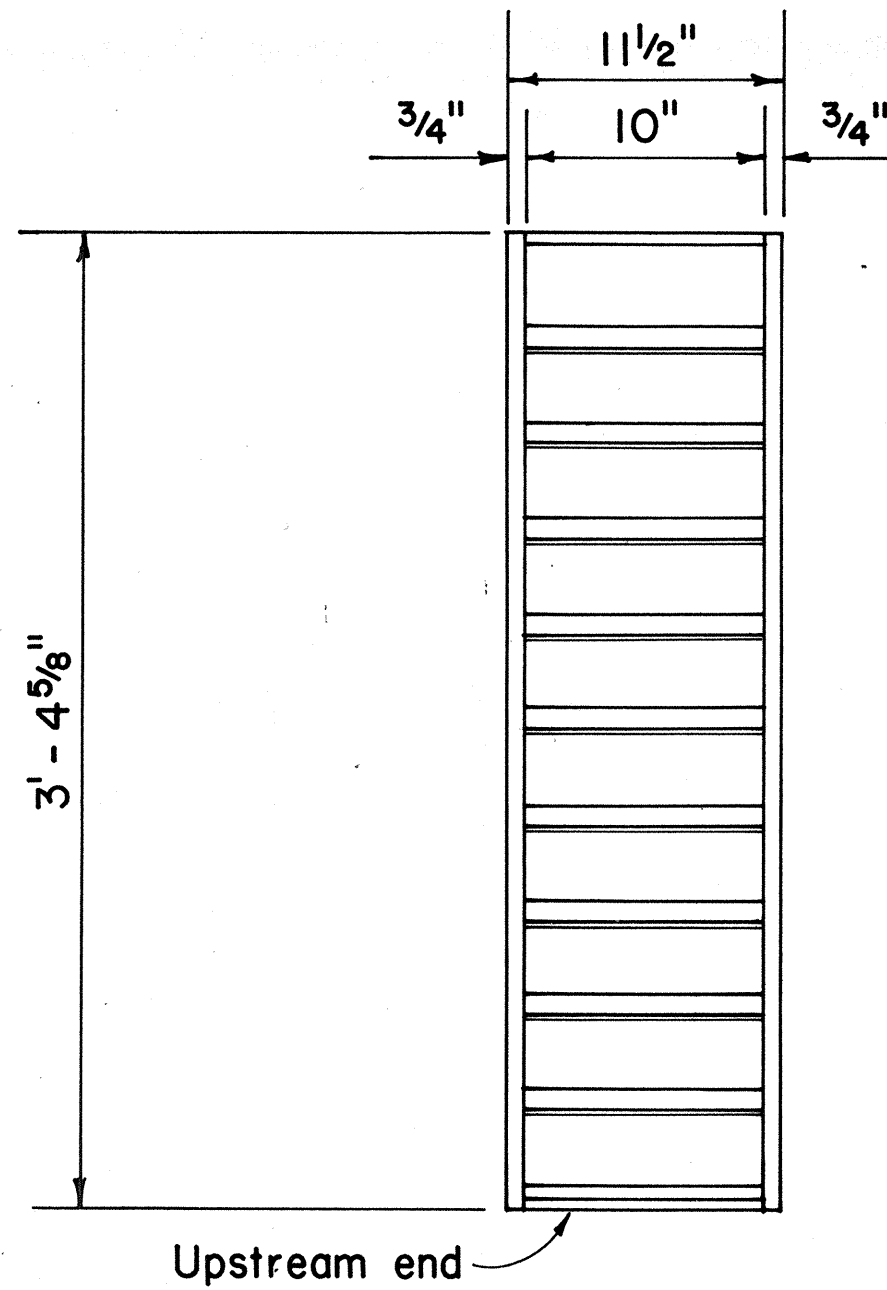
DRAINAGE DETAILS
MODIFIED G1214 B G.D.I.
HONOAPIILANI HIGHWAY RESURFACING
Kihei Road to Maalaea
Proj. No. 306-01-06 M
Scale: As Noted Date: Dec. 1988

SHEET No. 42 OF 3 SHEETS

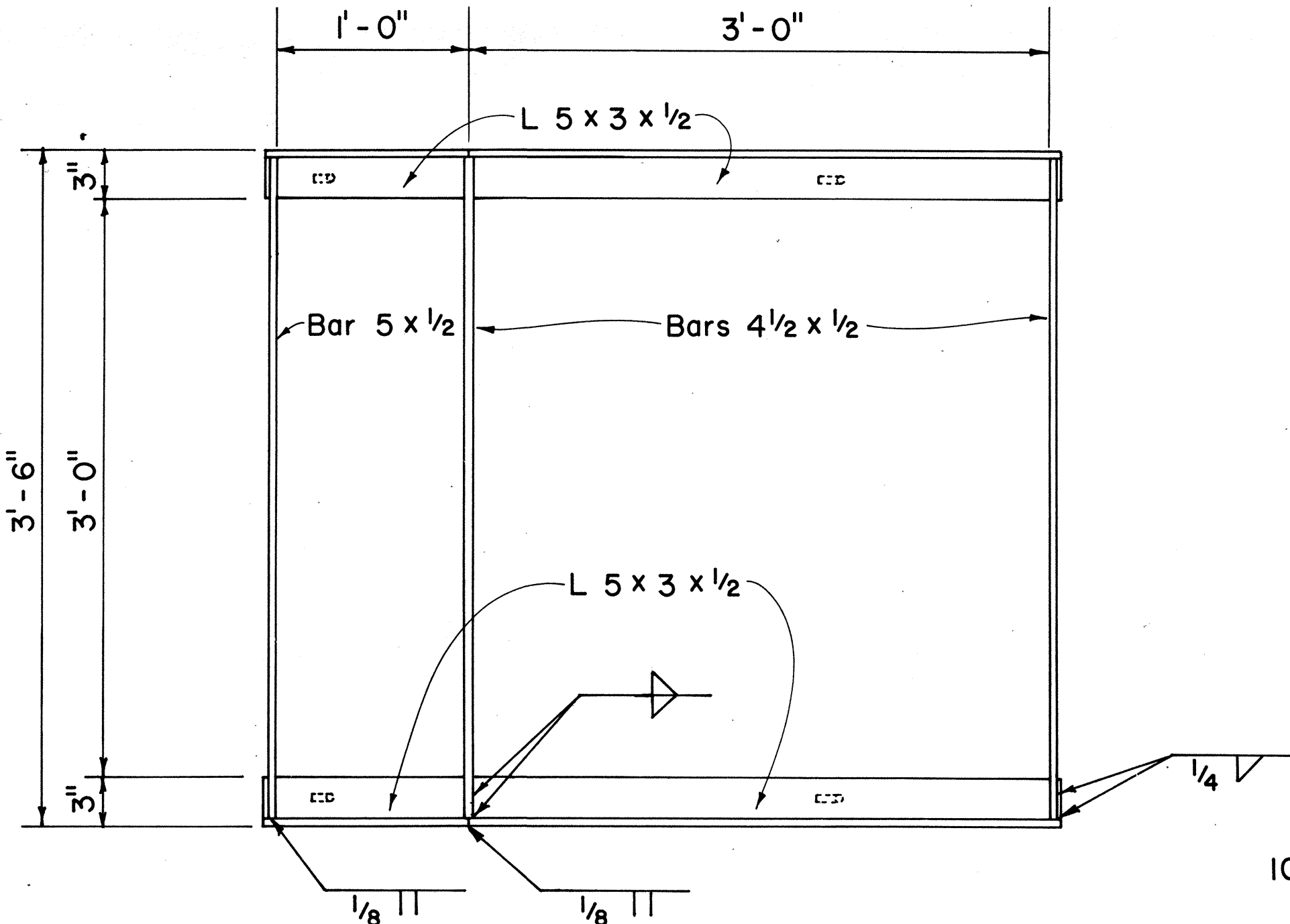
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HAWAII	HAW.	30C-01-86M	1986	10	14

GENERAL NOTES

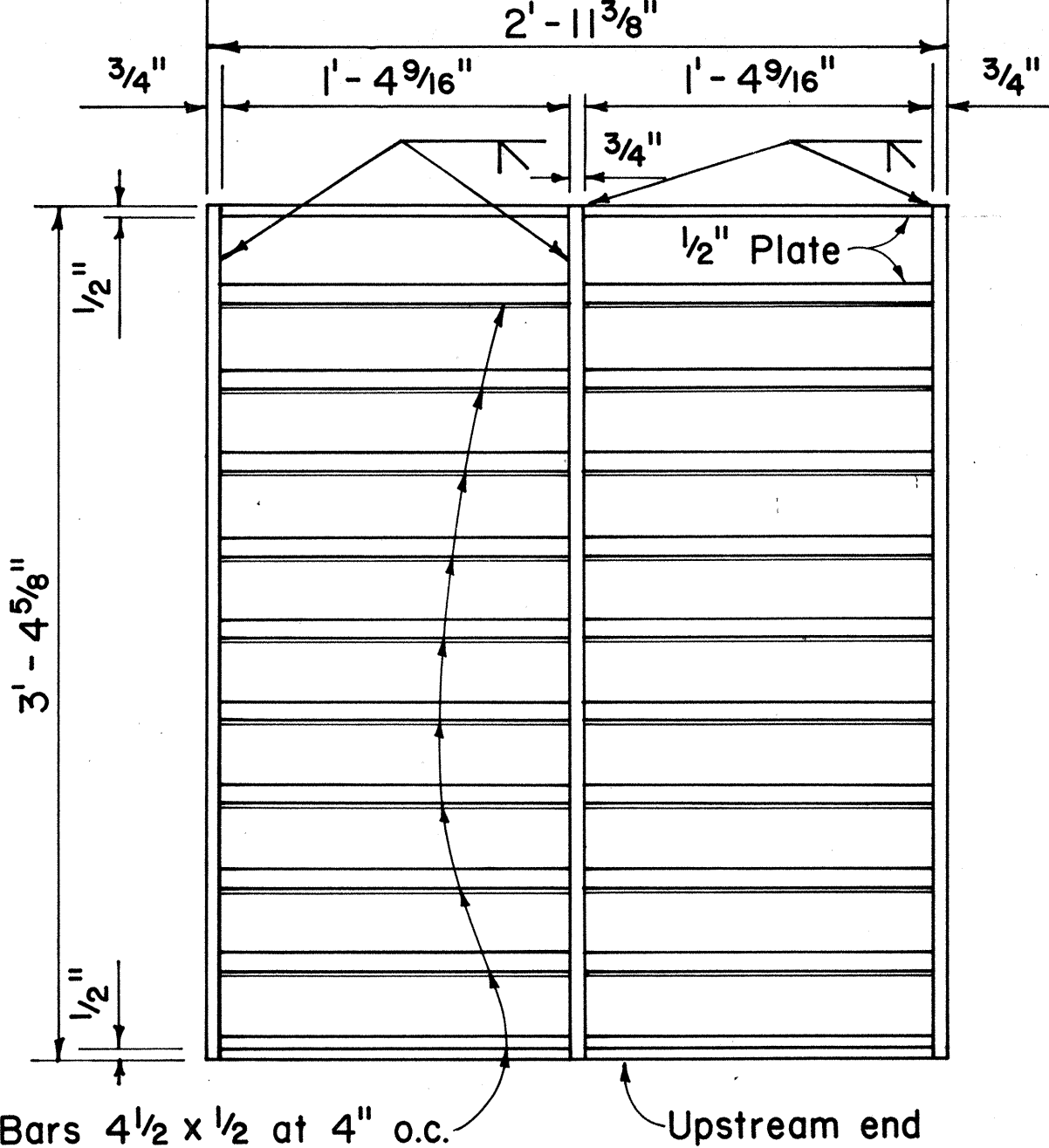
- All welds $\frac{5}{16}$ " unless otherwise noted.
- Grates and Frames shall be hot dip galvanized after fabrication.
- Use in locations off the road bed on all types of highway. (Bicycle Grates)



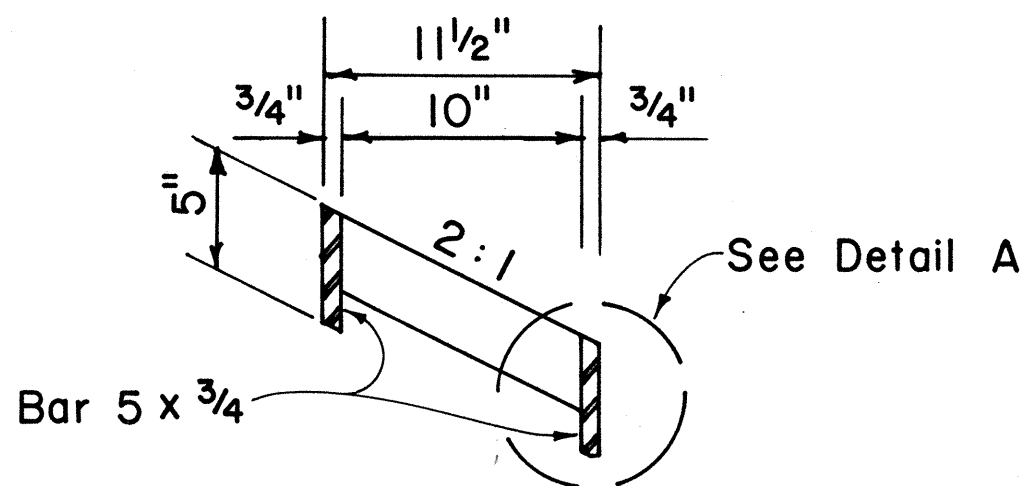
PLAN - GRATE



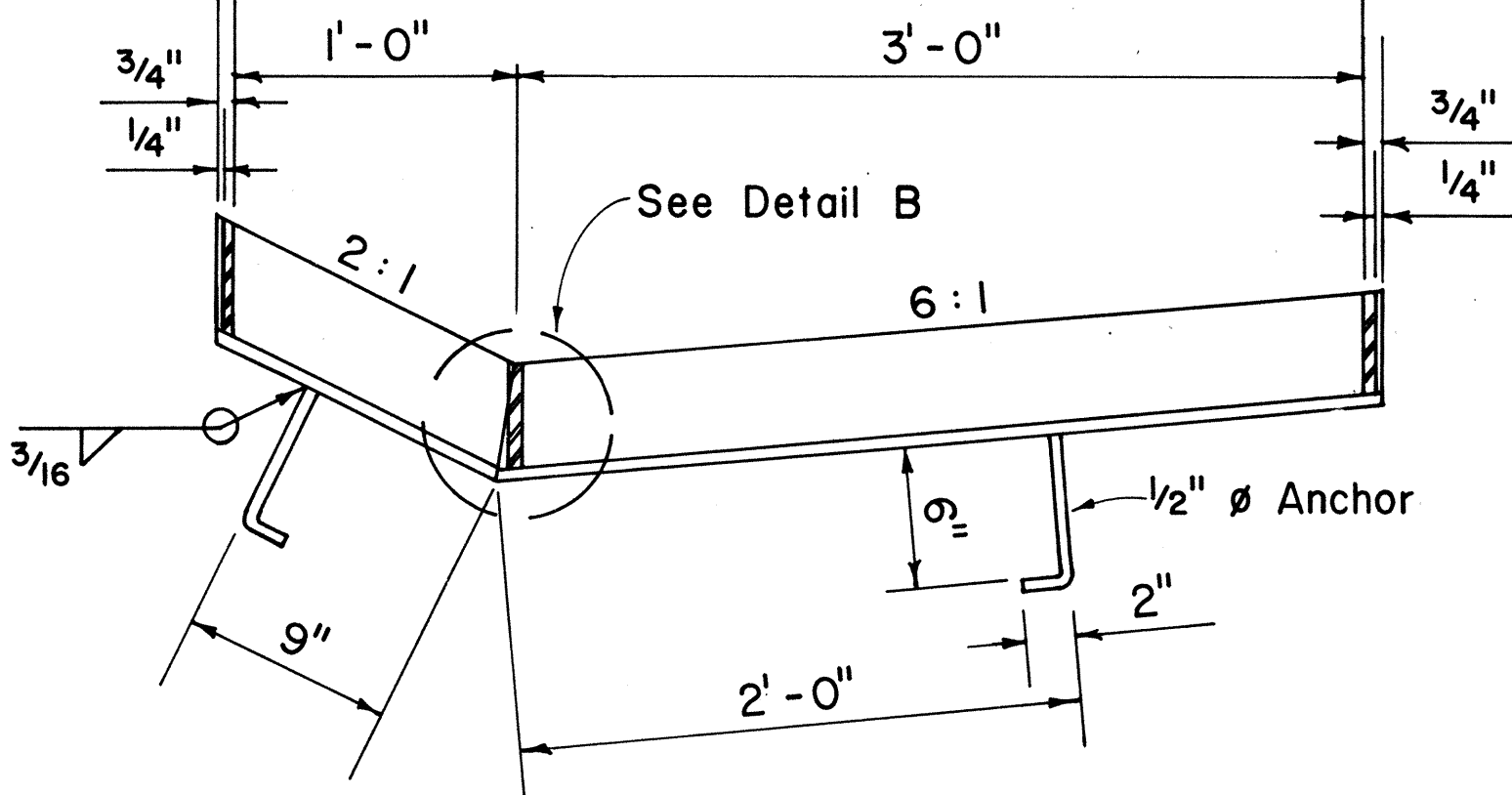
PLAN - FRAME



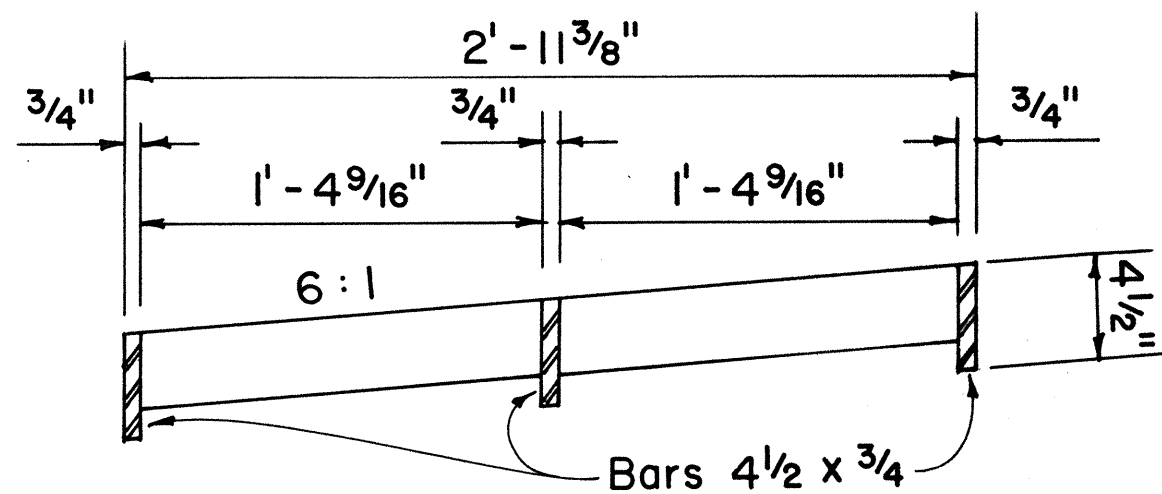
PLAN - GRATE



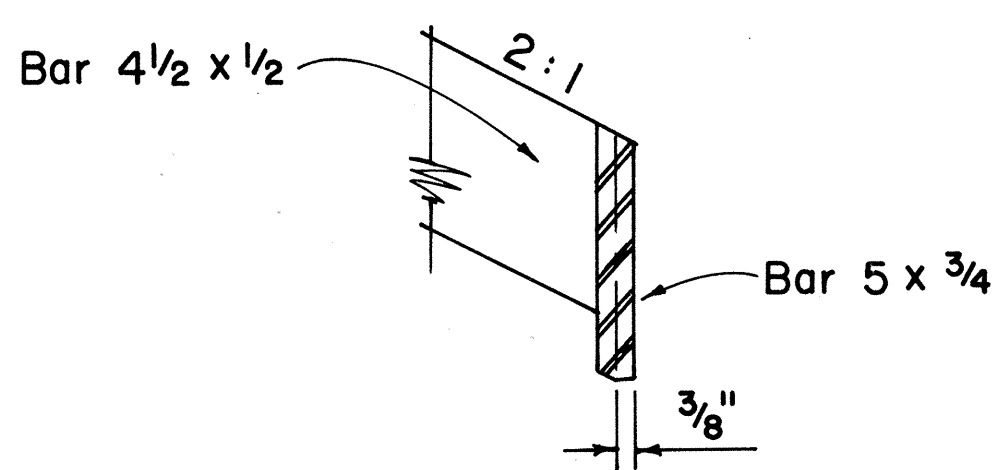
CROSS SECTION



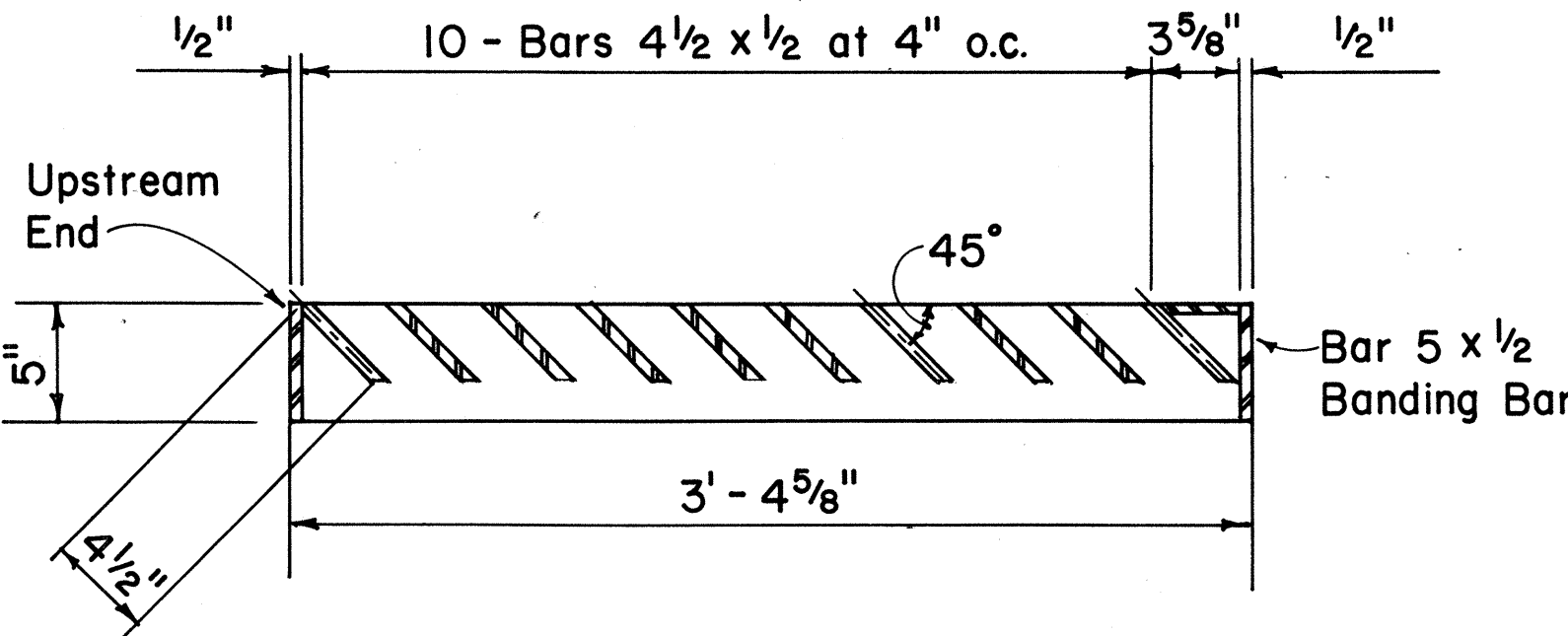
LONGITUDINAL SECTION



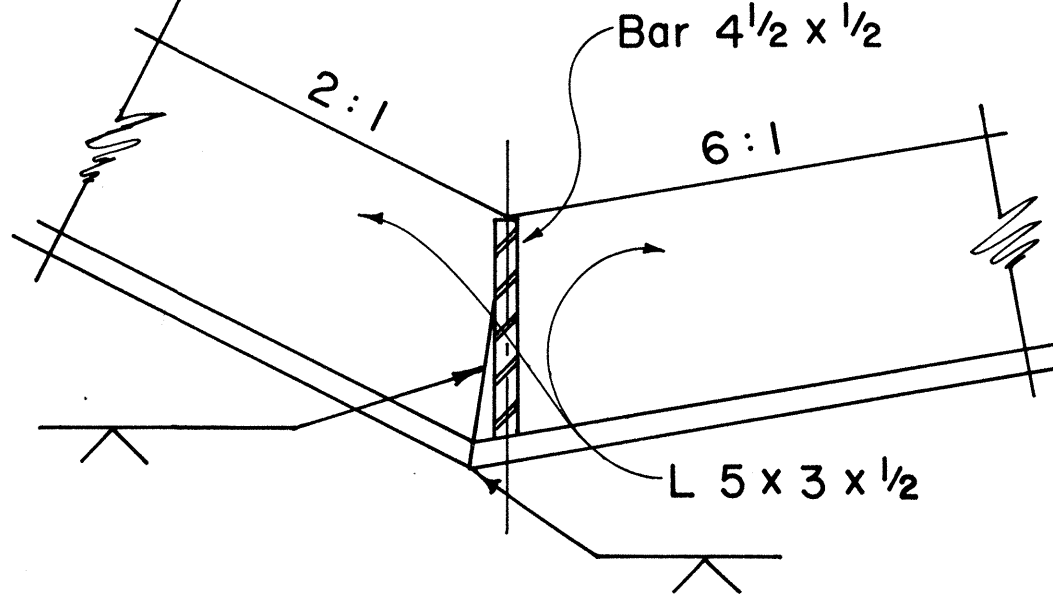
CROSS SECTION



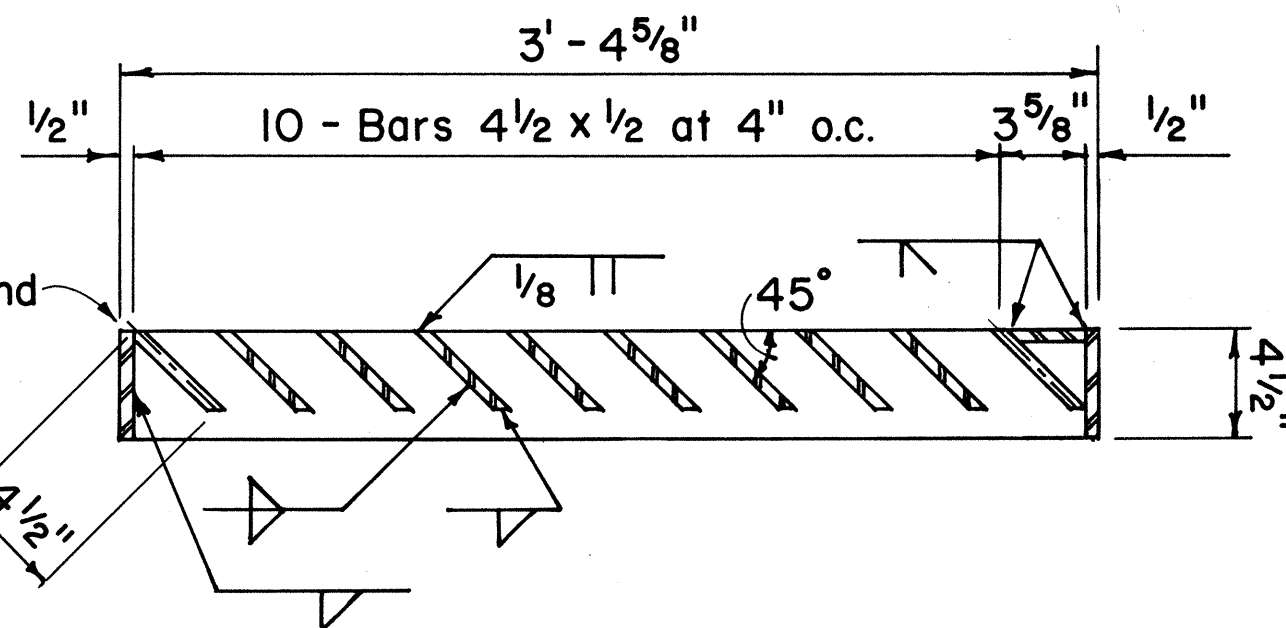
DETAIL A



LONGITUDINAL SECTION



DETAIL B



LONGITUDINAL SECTION

APPROVAL RECOMMENDED:
 HYDRAULIC DESIGN ENGINEER 2/4/83
 DATE
 APPROVED:
 ASSISTANT CHIEF, ENGINEERING 2-4-83
 DATE

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
61214B
STEEL FRAME AND GRATES
Not To Scale Date: Feb. 1983

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	