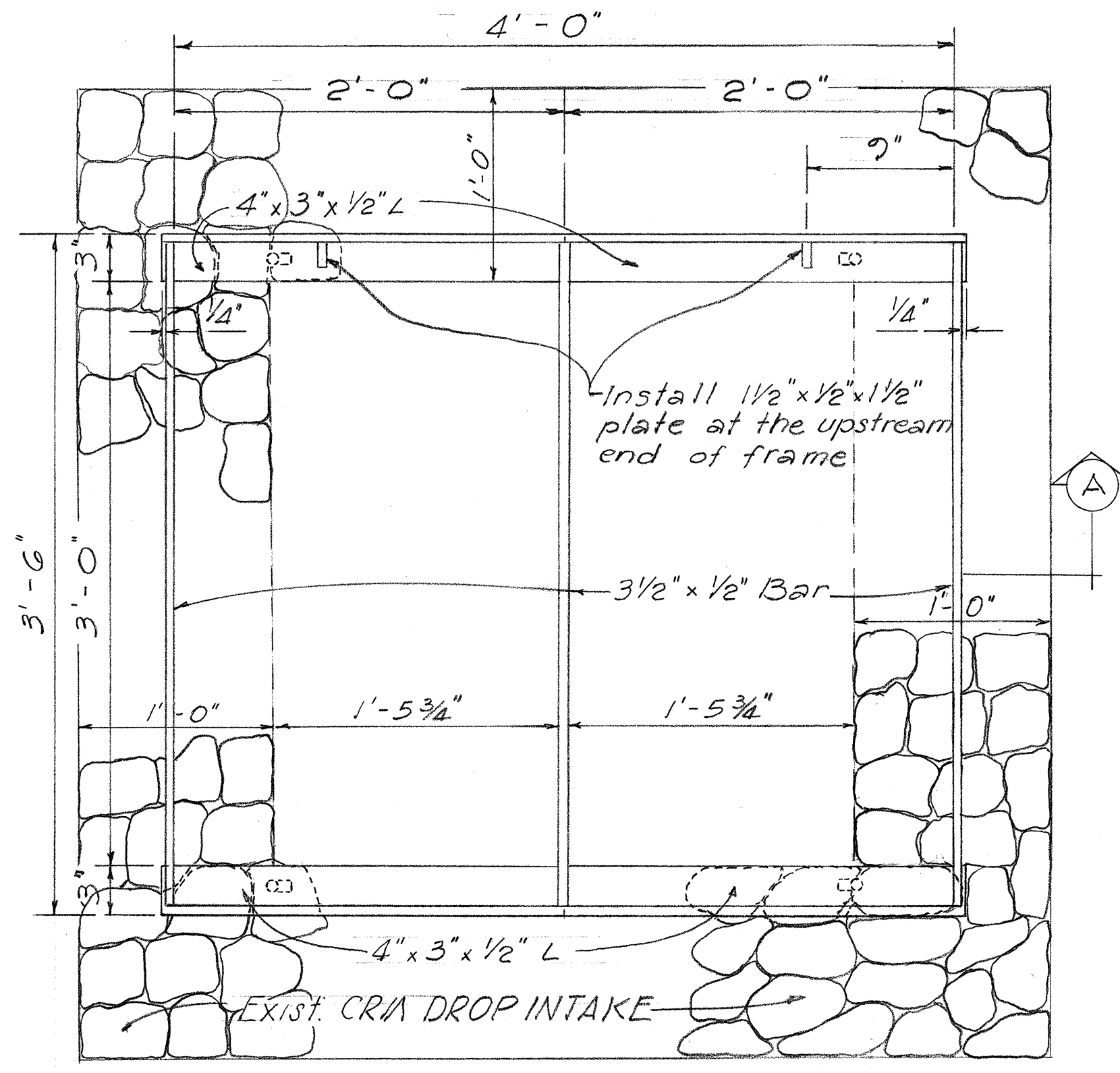
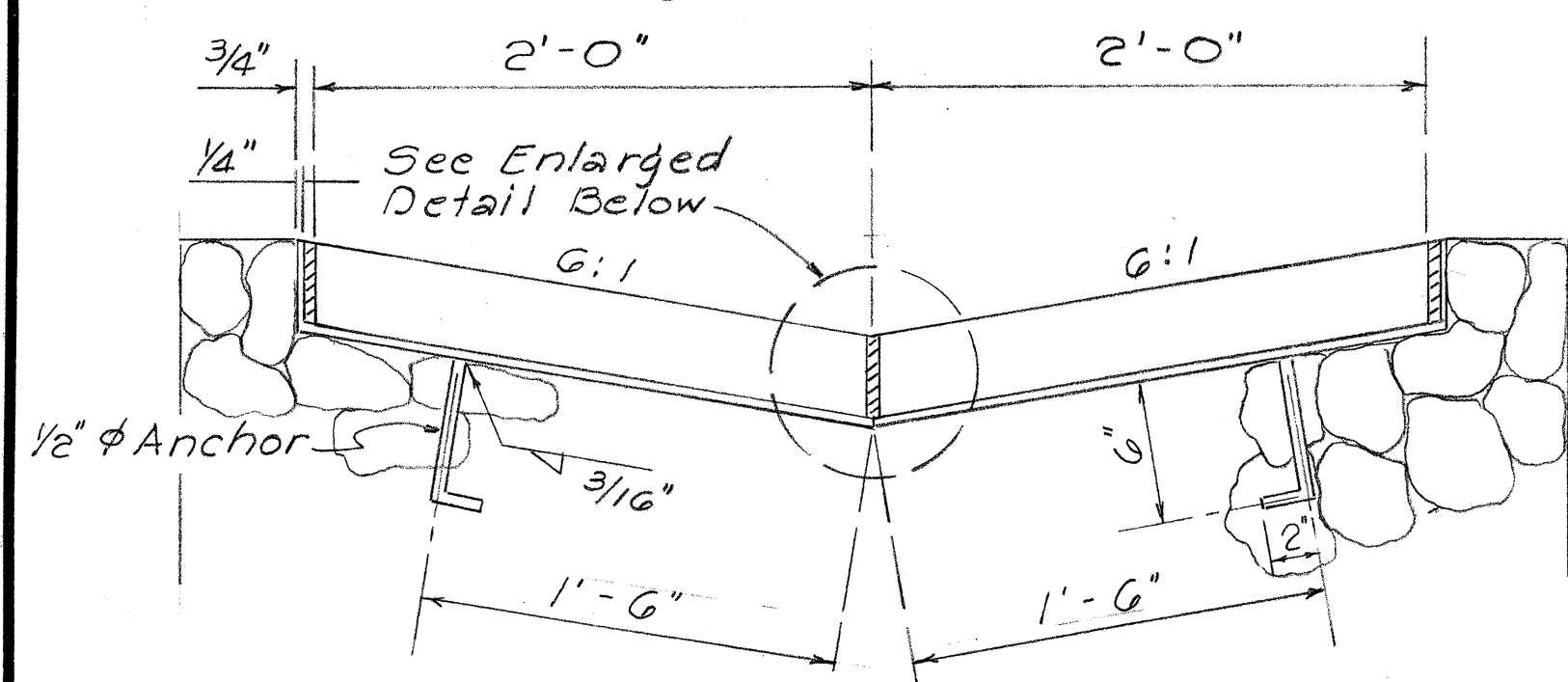


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ROS-030-1(12)	1976	6	17

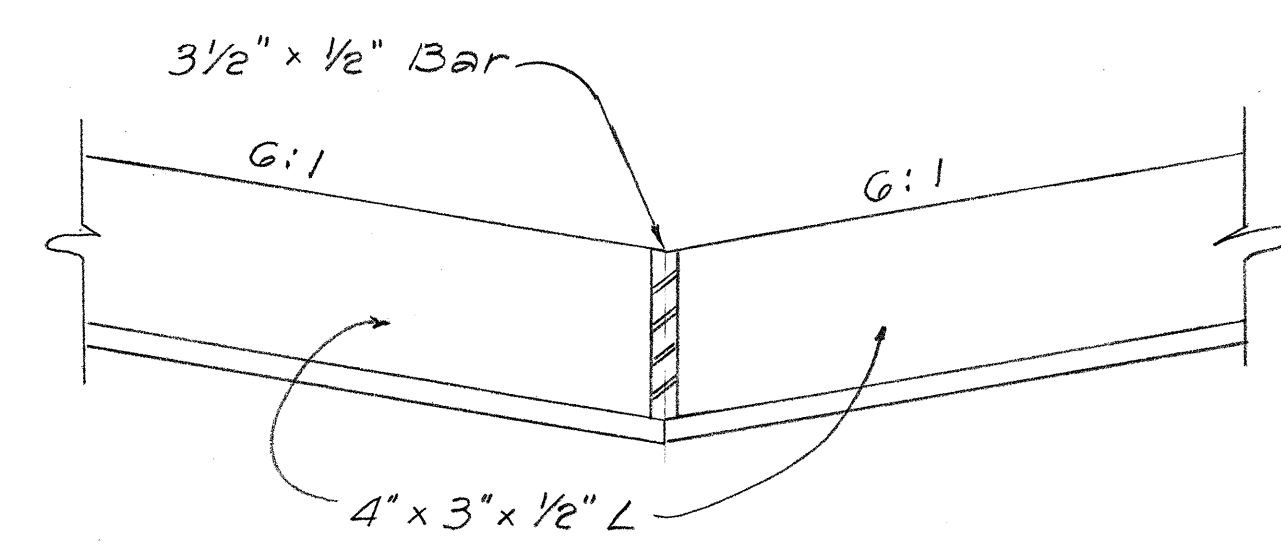


EXISTING DROP INTAKE "B"
AT STA. 03+15 LT.

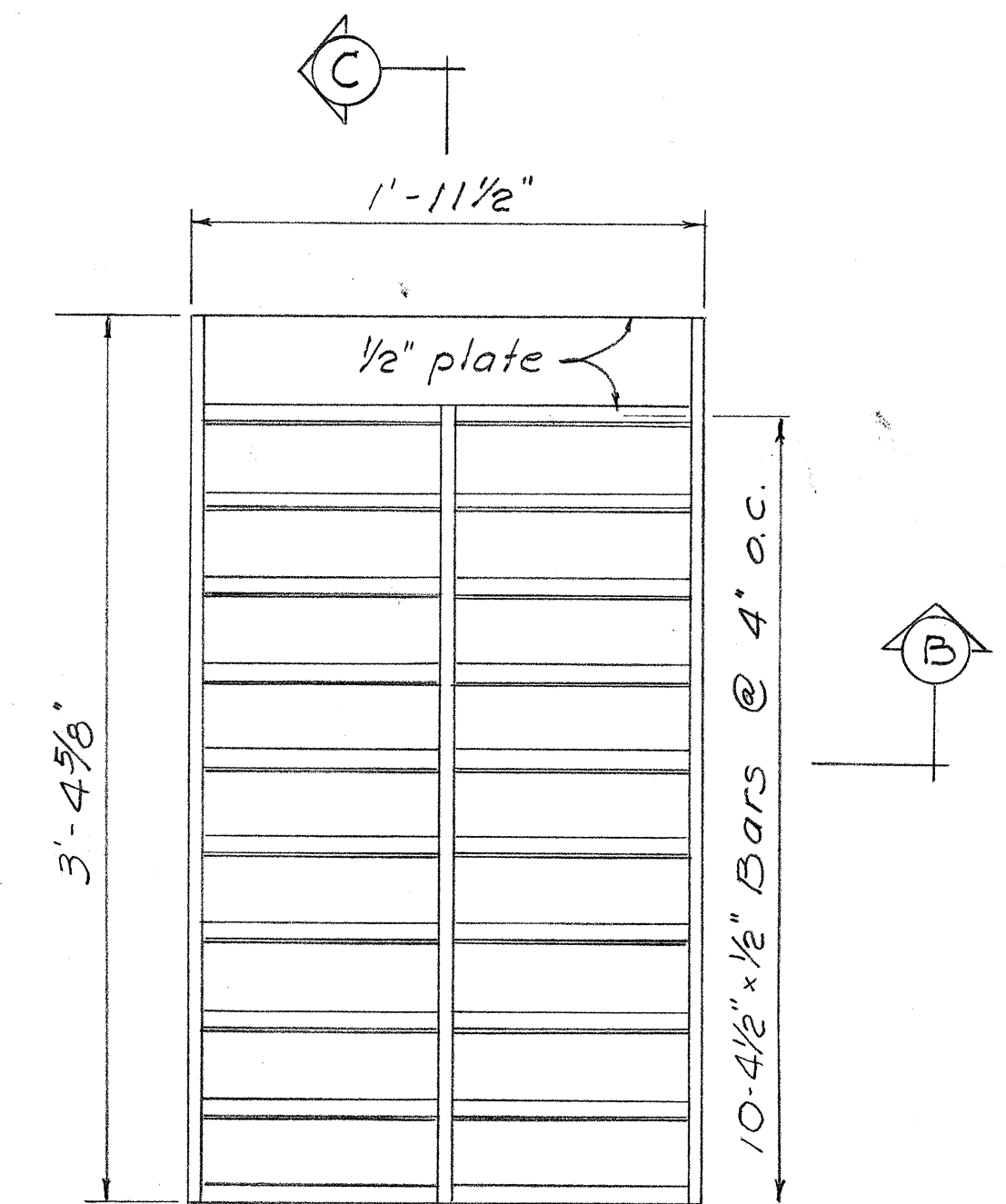
PLAN
Scale: 1 1/2" = 1'-0"



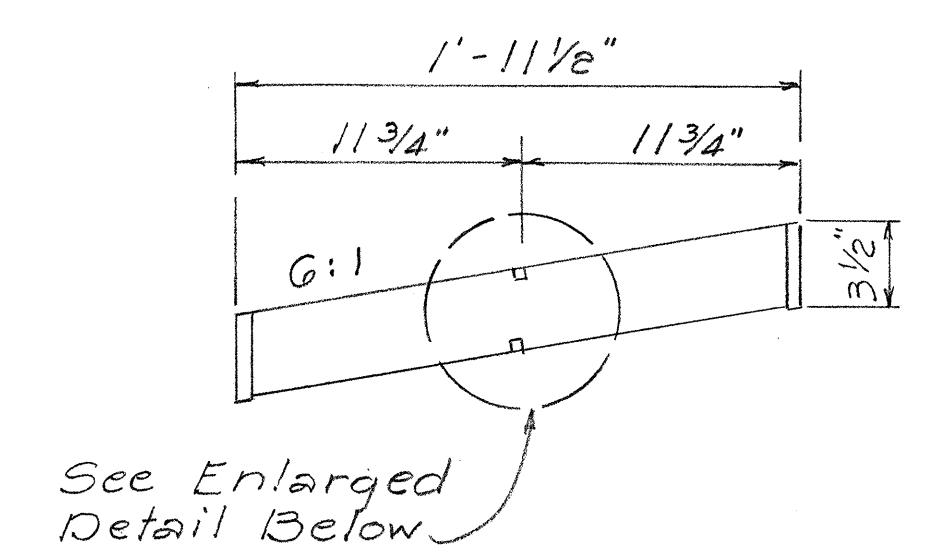
SECTION "A-A"
Scale: 1 1/2" = 1'-0"



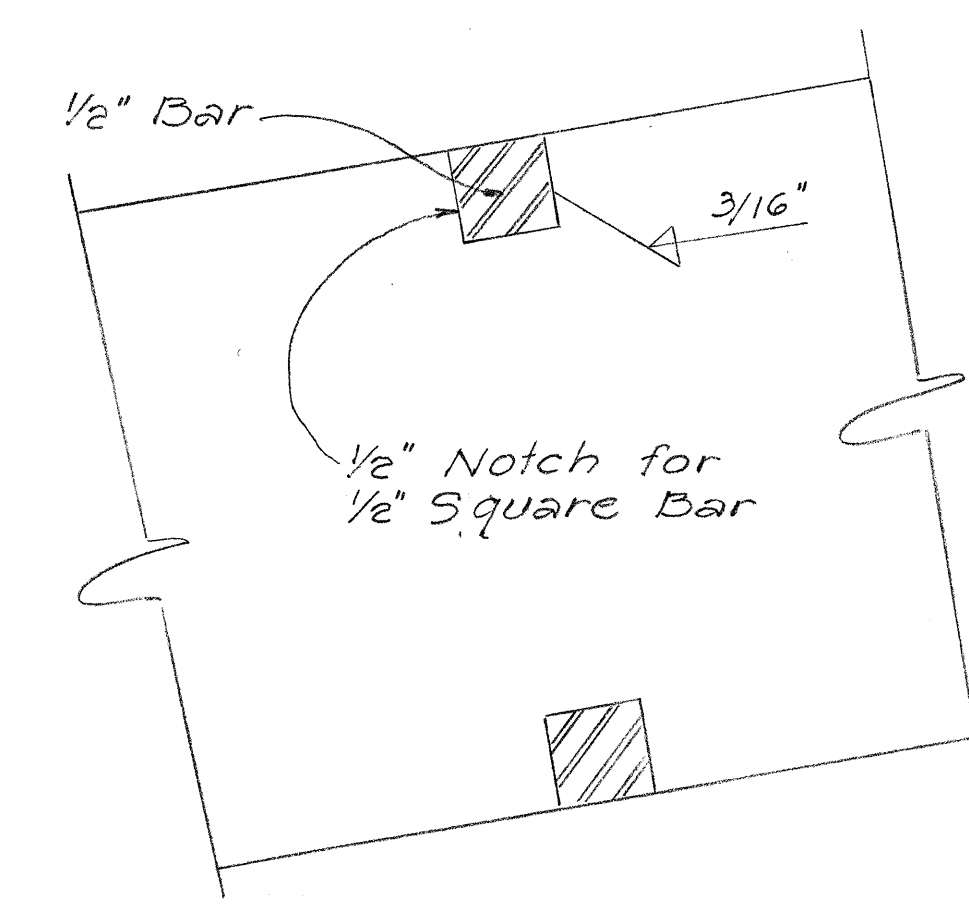
FRAME
Scale: 3" = 1'-0"



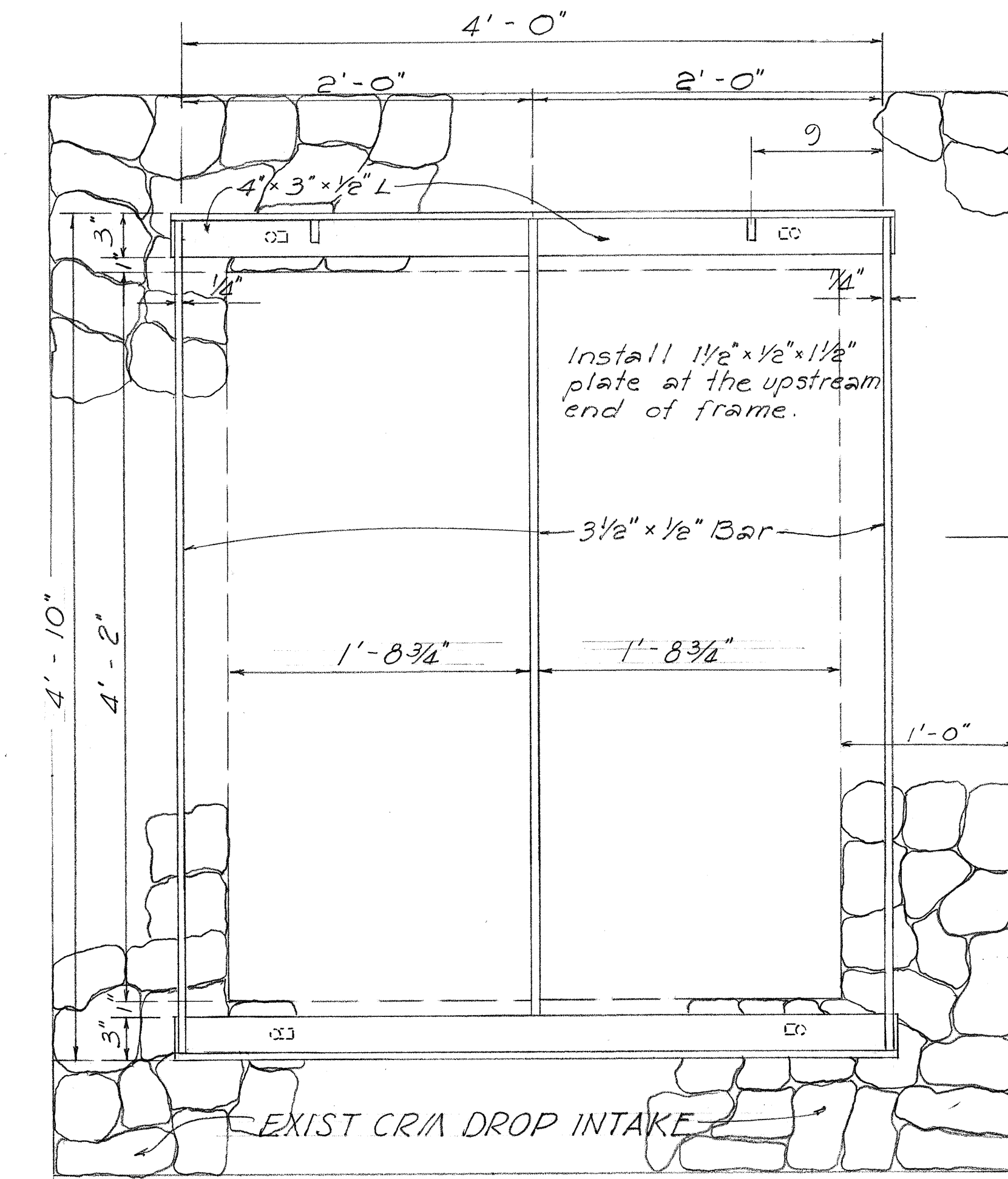
PLAN
Scale: 1 1/2" = 1'-0"



SECTION "B-B"
Scale: 1 1/2" = 1'-0"

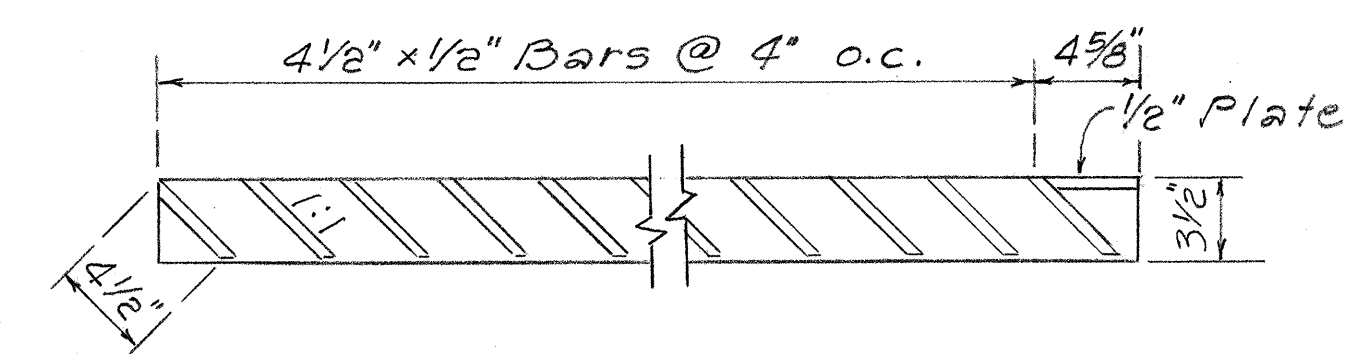


GRATE
Scale: Full Size



EXISTING DROP INTAKE "A"
AT STA. 68+40 LT.

PLAN
Scale: 1 1/2" = 1'-0"



SECTION "C-C"
Scale: 1 1/2" = 1'-0"

NOTES:

1. Grates and Frames shall be hot dip galvanized after fabrication, see specification.
2. All welds 3/8" unless otherwise noted.
3. The Frame and Grate materials shall conform to the specifications of ASTM Designation Structural Steel A283, Grade D and the Standard Specifications.
4. Finish grade elevations of CRM Drop Intake to be reconstructed are designated on plans by "H", height on top of grating from existing pipe inverts. Backfilling and grading shall be considered to be incidental to reconstructing of CRM Drop Intake.

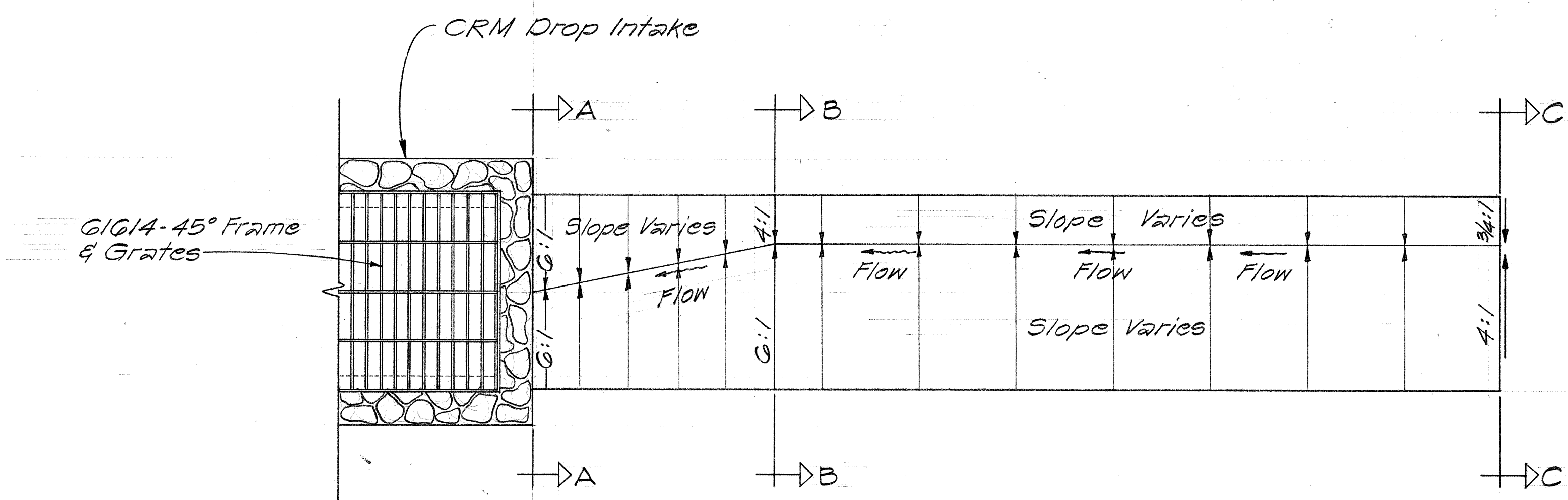
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS
CRM DROP INTAKE, FRAME & GRATE
HONOLULU HIGHWAY
F.A. Proj. No. ROS-030-1(12)

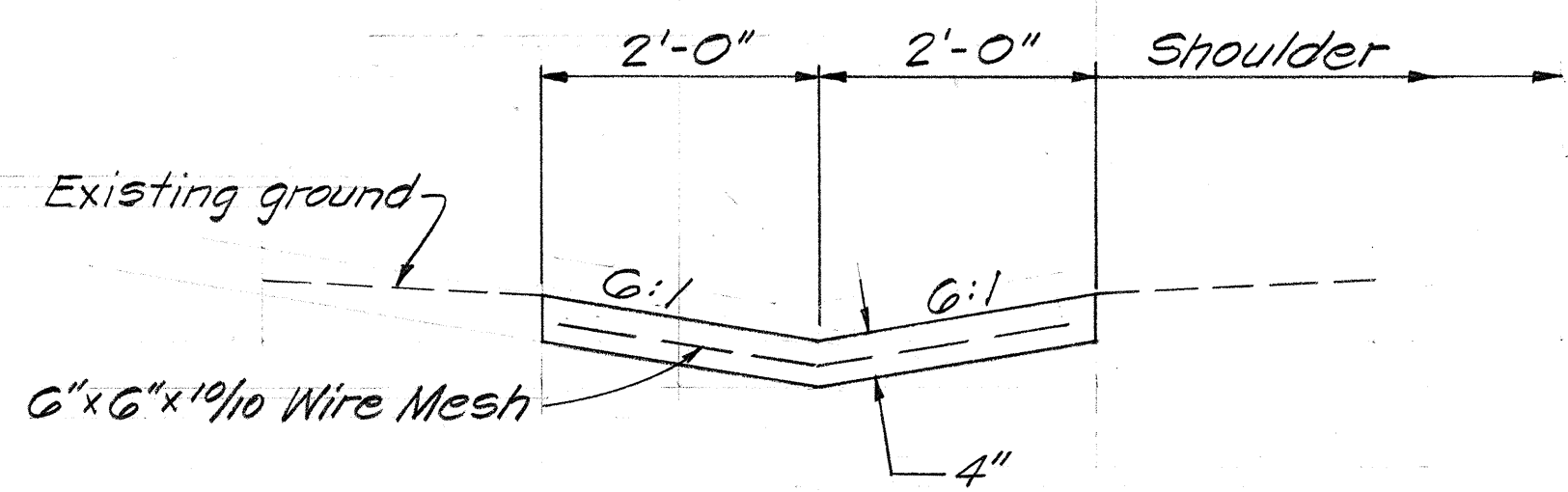
SCALE: AS NOTED
SHEET NO. 1 OF 2 SHEETS

DETAILS OF TYPE GIG4-45° FRAME AND GRATES Scale: As Shown

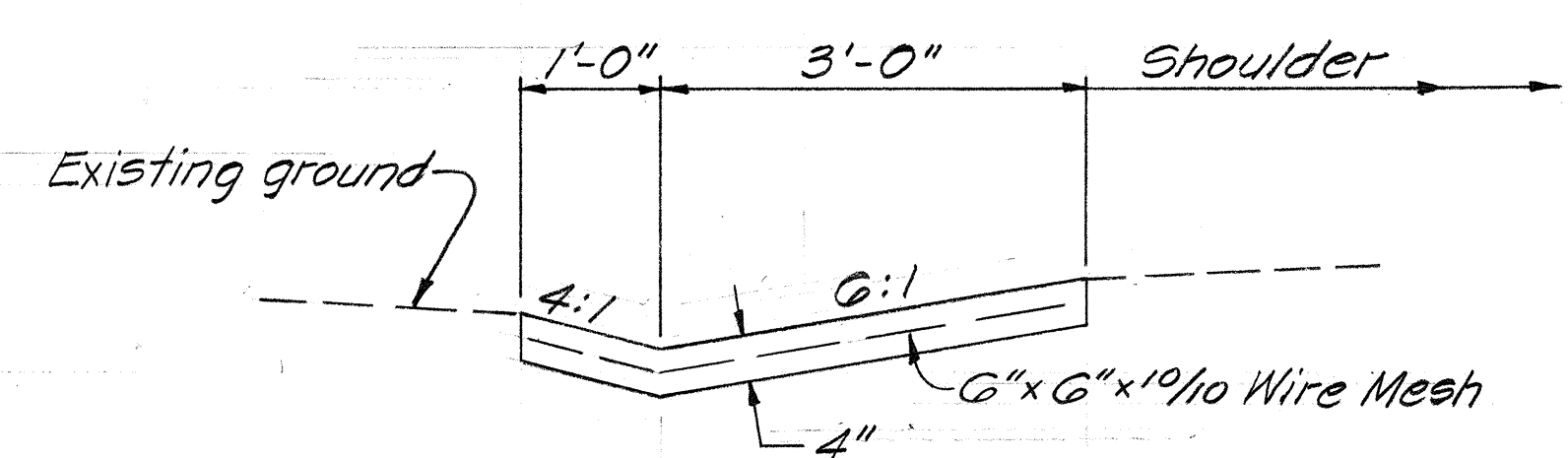
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ROS-030-1(12)	1976	7	17



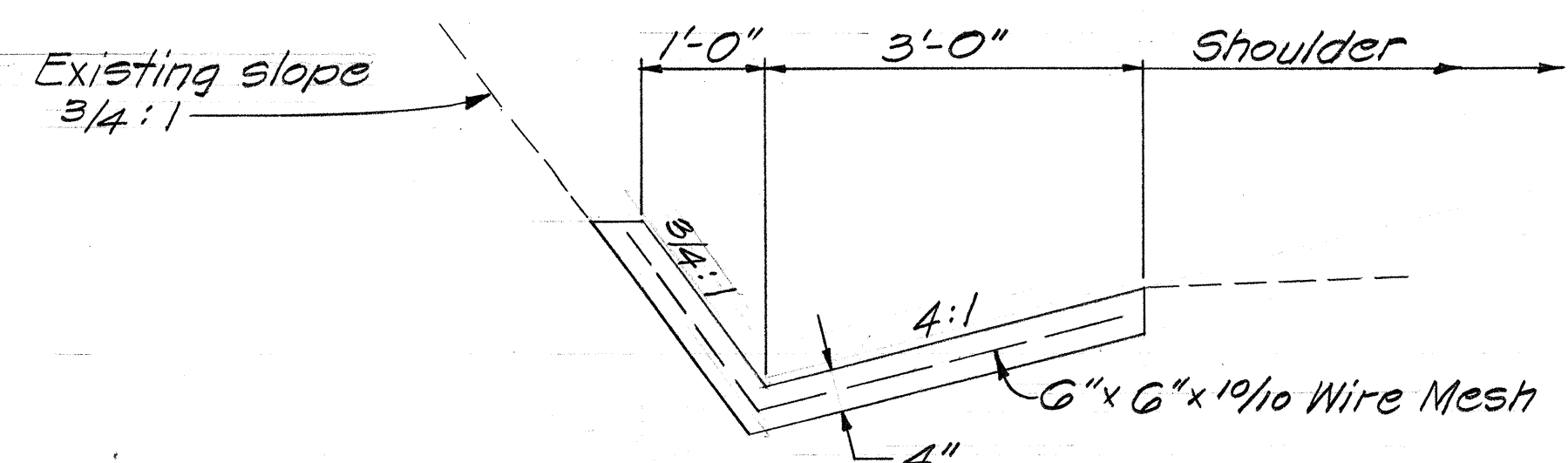
PLAN
Scale: 1/2"=1'-0"



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



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



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

GUTTER NOTES

1. Concrete shall be Class B with a thickness of 4".
2. Wire Mesh Reinforcement shall be 6"x6"x10/16 and shall be considered to be incidental to gutter.
3. For additional requirements, see Section 609 of the Specifications.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS
GUTTER, TYPE 2 (MODIFIED)

HONOAPIILANI HIGHWAY
F.A. Proj. No. ROS-030-1(12)
Scale: As Noted Date: Jan., 1976
SHEET No. 2 OF 2 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	" "
TRACED BY	" "
CHECKED BY	" "
NOTE BOOK	" "
NO.	" "