

Revised - April 1948
Changes made to
Headwall and Apron.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	5210	1947	17	76
Corrections Noted 2-1-50					

Revised Apr. 1948

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Fill material as available from excavation but not containing large stones and boulders placed evenly on both sides of culvert in 12" layers and tamped thoroughly.

Fill placed by ordinary methods as per Specifications.

Selected material of a gravelly nature placed evenly on both sides of culvert in 6" layers and tamped thoroughly. This material shall be free from all material which will not pass a 3" circular ring. Riddling of backfill will not be permitted.

All tamping shall be done with Pneumatic Tampers

TYPICAL SECTION

DETAIL "A"
BEDDING OF PIPE
1/2" x 1'-0"

INLET - SECTION BB
1" = 10'

SECTION - H-H
1" = 10'-0"

OUTLET - SECTION CC
1" = 10'

SECTION - EE
1/2" x 1'-0"

SECTION - FF
1/2" x 1'-0"

SECTION - GG
3/8" x 1'-0"

SECTION - DD
3/8" x 1'-0"

Struts to be placed before construction of Headwalls.

Struts shall be placed with the help of 15-ton jacks and shall be left in place until the fill is complete and compacted. All lumber and equipment used for strutting shall be considered as incidental to the placing of the culvert and will not be paid for separately.

LAYOUT PLAN
1" = 10'-0"

SECTION ALONG & CULVERT A-A
1" = 10'-0"

ESTIMATE OF QUANTITIES	
84" Corrugated Galvanized Metal Pipe Culvert	140
Class A-1 Concrete	8.53 cu. yd.
C.R.M.	4.97 cu. yd.
Structure Excavation	272.4 cu. yd.
Channel Exc	44.4 cu. yd.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

84" CORR. METAL PIPE CULVERT
Sta. 116 + 24

Maunaloa Road Proj. S 21(1)
Dec. 1947

SHEET No 1 OF 1 SHEETS

5288.17

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES CHECKED BY	
CHECKED BY	