

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	ER 5(1)	1956	3	20

Construct Approaches to Side Roads as shown.
See Typical Side Road Approach Details.

Curve Data
$$\begin{aligned}\Delta &= 48^\circ 53' \\ \Delta/2 &= 24^\circ 26' 30'' \\ R &= 2000.00 \\ T &= 308.99 \\ C &= 1655.07 \\ L &= 1706.35 \\ S.E. &= 0.068 \text{ ft. per ft.}\end{aligned}$$

Future & Curve Data

$\Delta = 77^{\circ} 33' 00''$
 $A/2 = 38^{\circ} 46' 30''$
 $R = 1000.00'$
 $T = 803.30'$
 $C = 1252.53'$
 $L = 1353.50'$
 $S.E. = 0.08 \text{ ft. per ft.}$

Install F. A. Marker
E R 5 (1)

Sta. 9+00 Instal/ 36" ESRCC
Pipe w/Conc. Collars
64 Lin. ft. 2 C.H.W.
Est. Quantities:
Class B-1 Conc. = 5.5
Reinf. Steel = 120
Struc. Exc. 11.5 = 36
(Drainage Area = 19

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HAWAII	HAW.	ER 5(1)	1996	4	20

DATE	BY	DATE	BY
11/1/96	M.M.	11/1/96	M.M.
11/1/96	E.N.	11/1/96	E.N.
11/1/96	E.N.	11/1/96	E.N.

DATE	BY	DATE	BY
11/1/96	M.M.	11/1/96	M.M.
11/1/96	E.N.	11/1/96	E.N.
11/1/96	E.N.	11/1/96	E.N.

