

CURVE DATA

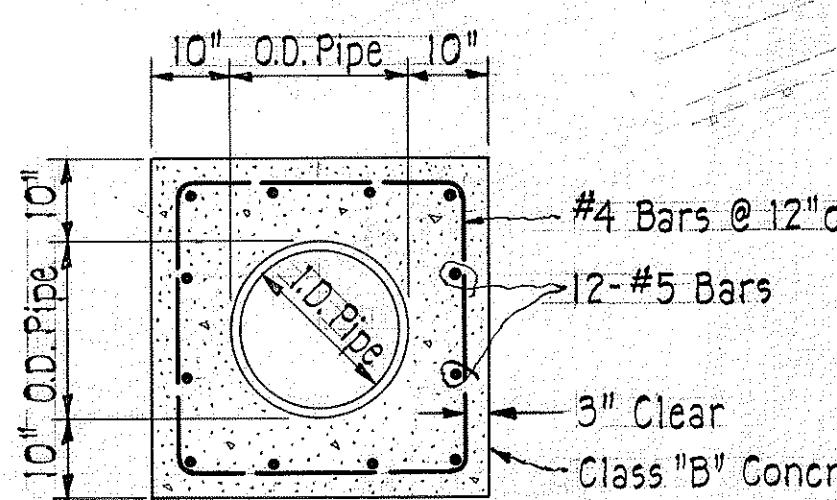
1	2	3
$\Delta = 59^{\circ} 56' 00''$ $\Delta/e = 29^{\circ} 58' 00''$ $R = 201.51$ $T = 116.19$ $C = 201.31$ $L = 210.79$	$\Delta = 23^{\circ} 28' 00''$ $\Delta/e = 11^{\circ} 44' 00''$ $R = 150.00$ $T = 51.16$ $C = 61.01$ $L = 61.43$	$\Delta = 107^{\circ} 00' 00''$ $\Delta/e = 58^{\circ} 30' 00''$ $R = 150.00$ $T = 202.71$ $C = 241.16$ $L = 280.13$
4	5	6
$\Delta = 24^{\circ} 55' 21.5''$ $\Delta/e = 12^{\circ} 26' 10.8''$ $R = 150.00$ $T = 33.08$ $C = 64.61$ $L = 65.12$	$\Delta = 29^{\circ} 09' 02.9''$ $\Delta/e = 14^{\circ} 34' 31.4''$ $R = 500.00$ $T = 130.01$ $C = 251.25$ $L = 375.58$	$\Delta = 11^{\circ} 19' 33.3''$ $\Delta/e = 5^{\circ} 39' 46.6''$ $R = 1,900.00$ $T = 188.41$ $C = 374.97$ $L = 375.58$
7	8	9
$\Delta = 27^{\circ} 26' 13.7''$ $\Delta/e = 13^{\circ} 43' 06.8''$ $R = 400.00$ $T = 97.65$ $C = 189.72$ $L = 191.55$	$\Delta = 13^{\circ} 37' 41.4''$ $\Delta/e = 6^{\circ} 48' 50.7''$ $R = 1,915.00$ $T = 228.83$ $C = 454.42$ $L = 455.50$	$\Delta = 10^{\circ} 14' 7.8''$ $\Delta/e = 5^{\circ} 7' 3.9''$ $R = 2,500.00$ $T = 223.90$ $C = 446.01$ $L = 446.61$

GENERAL WATER NOTES (B.W.S.)

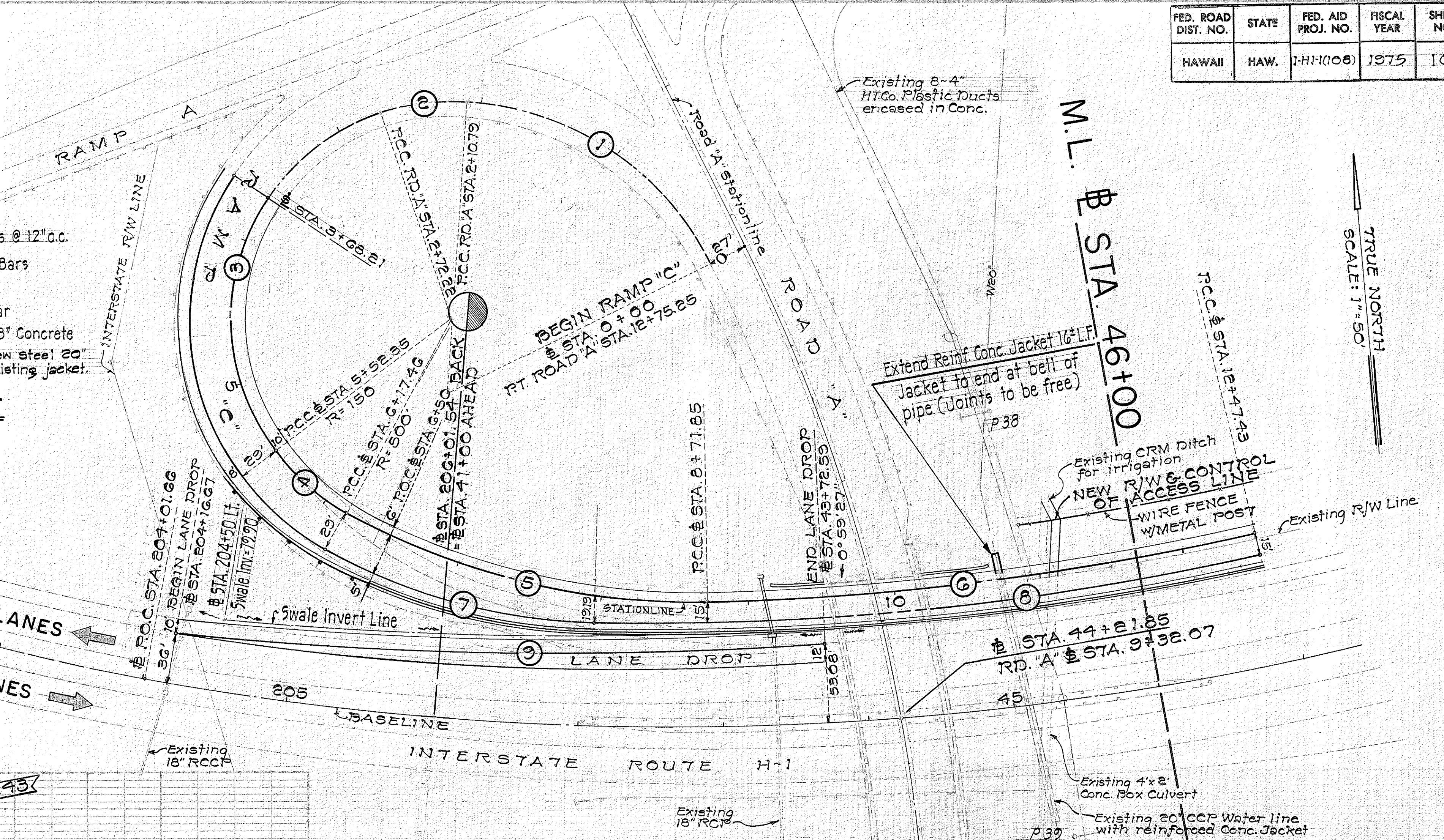
- Unless otherwise specified, all materials and construction of water system and appurtenances shall be in accordance with the STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, dated 1969, as amended, of the Hawaii Highways Division, Department of Transportation.
- Any excavation work around the existing water main including excavation for other facilities, shall be done by hand.
- The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the main.
- The locations of existing underground utilities and structures as shown on the plans are from the latest available data but are not guaranteed as to accuracy, or that obstacles may not be encountered in the course of work. The Contractor shall be responsible and pay for any damages to existing utilities.
- All plans approved by the Board of Water Supply are based solely on the adequacy of the water supply. All other features of the water system such as lines, grades, fittings, etc., shall be the responsibility of the Engineer who prepared the plans.

TYPICAL REINF. CONC. JACKET

Scale: $1/2'' = 1'-0''$

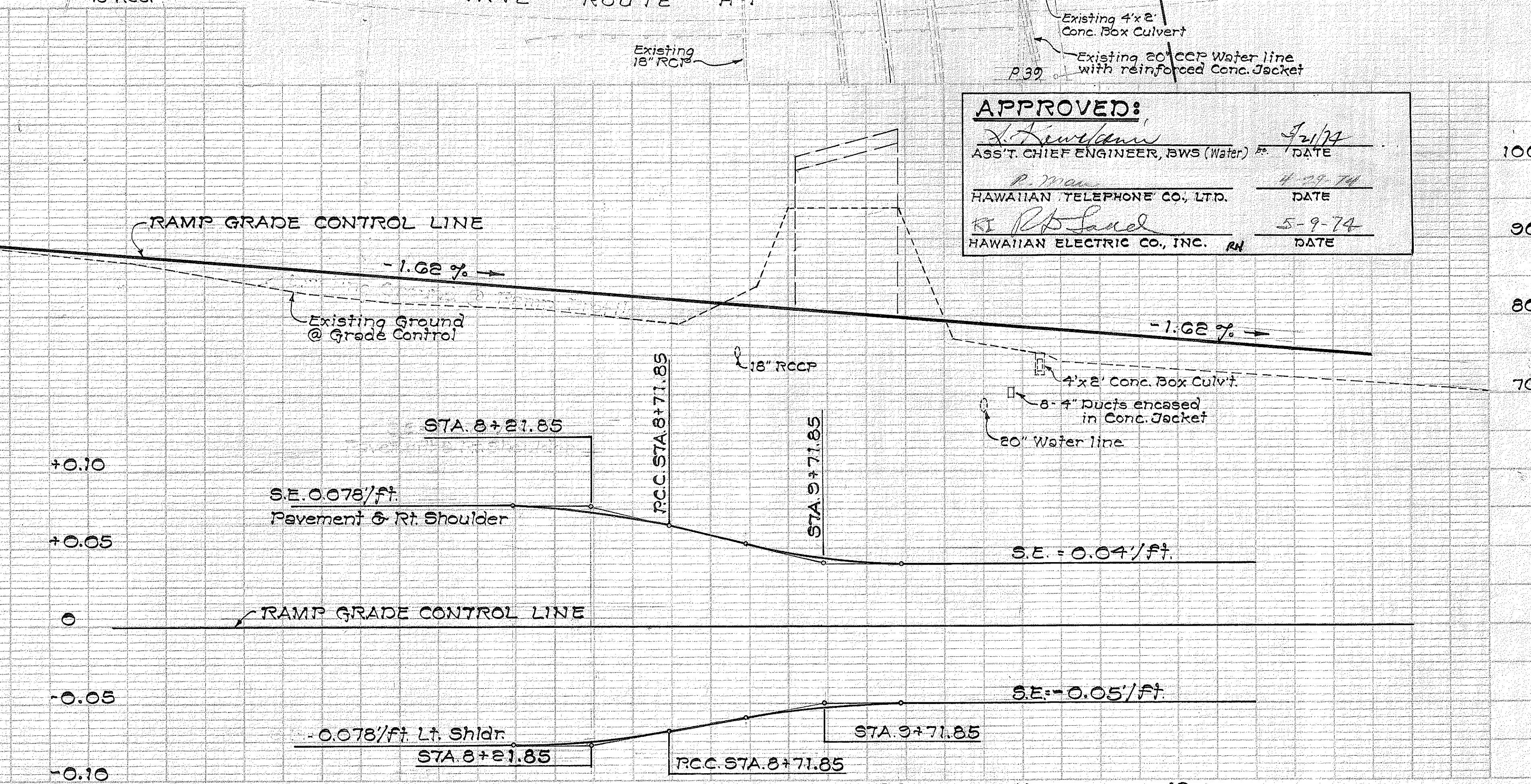
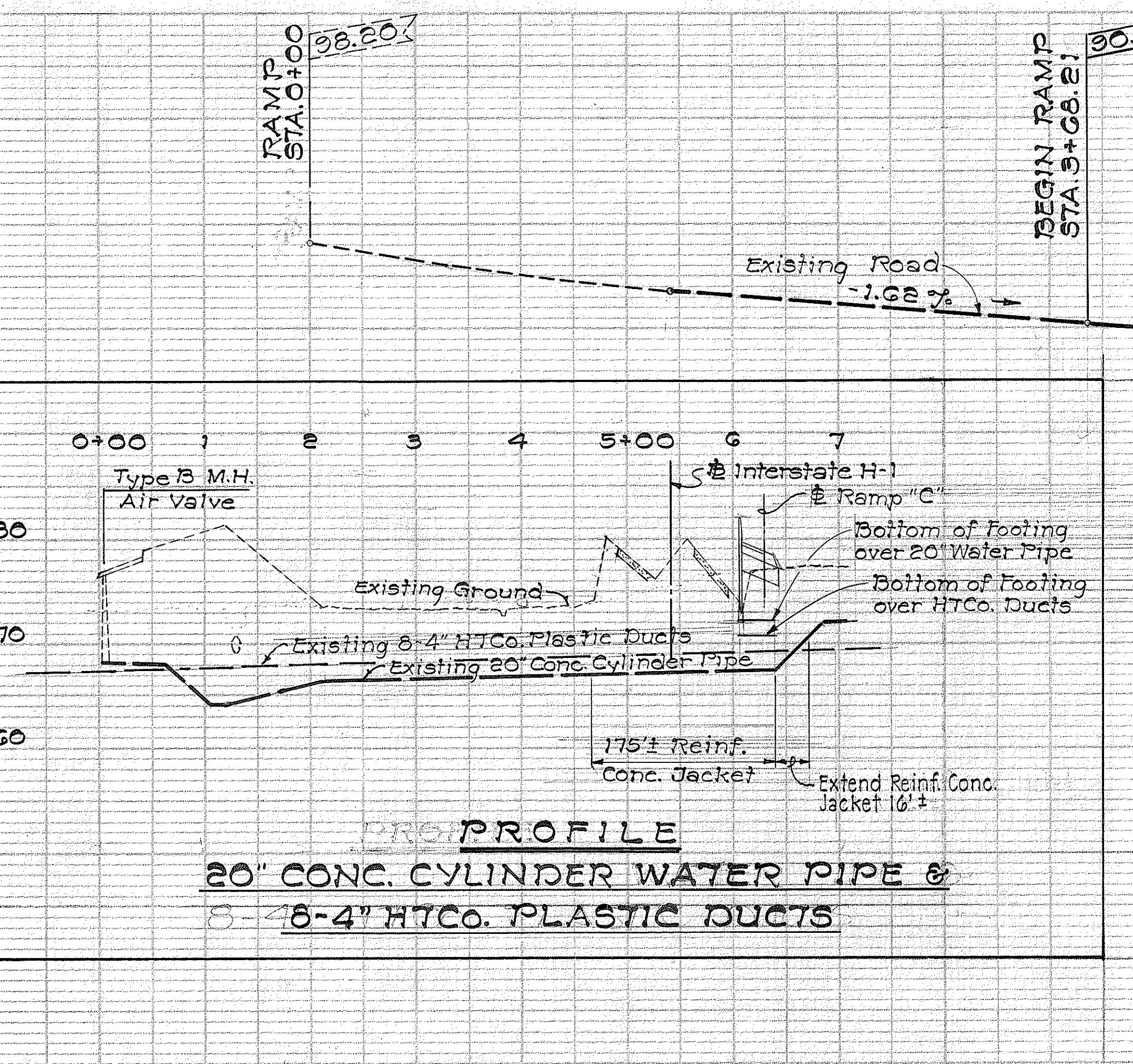


SECTION



APPROVED:

J. Lewellen
ASS'T CHIEF ENGINEER, BWS (Water) 2/1/77
P. Mano
HAWAIIAN TELEPHONE CO., LTD. 4-29-74
R. P. Sadel
HAWAIIAN ELECTRIC CO., INC. 5-9-74



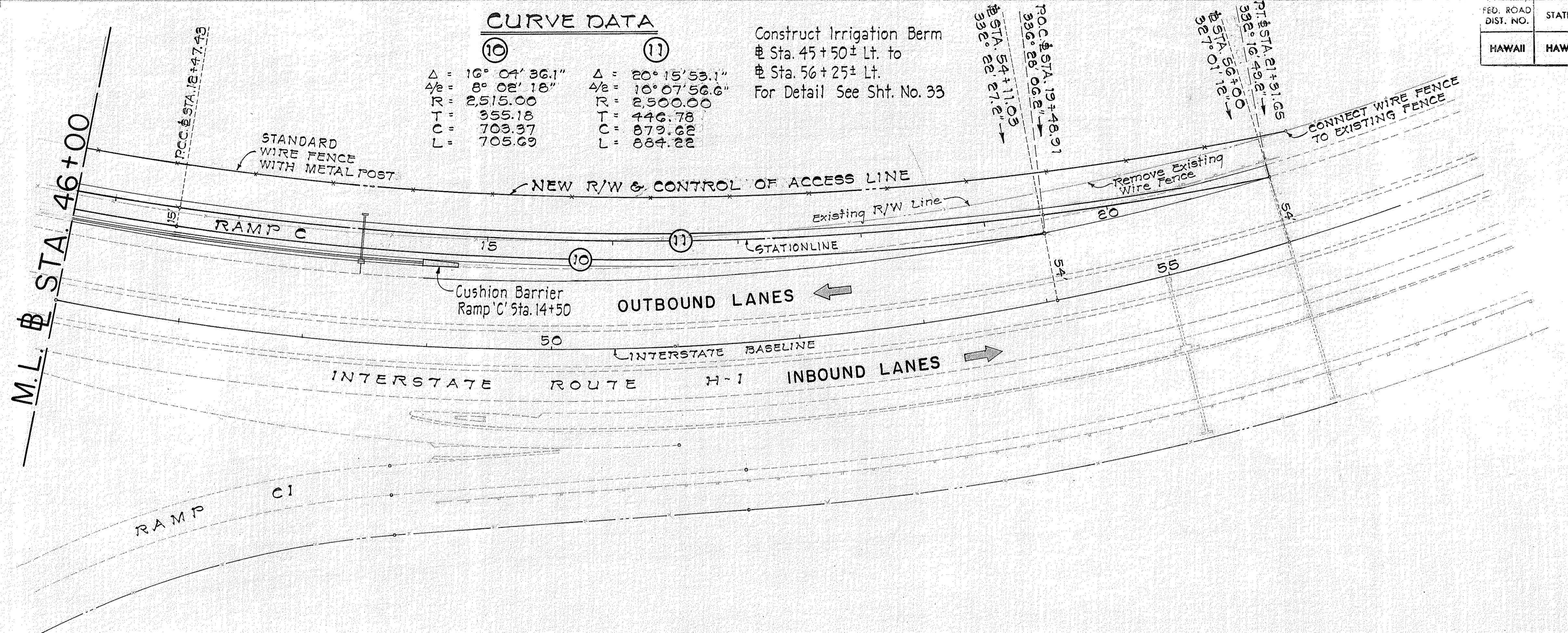
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(08)	1975	10	100

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-106	1975	11	100

CURVE DATA

$\Delta = 16^\circ 04' 36.1''$ $\Delta = 20^\circ 15' 53.1''$
 $\Delta/2 = 8^\circ 02' 18''$ $\Delta/2 = 10^\circ 07' 56.6''$
 $R = 2,515.00$ $R = 2,500.00$
 $T = 355.18$ $T = 446.78$
 $C = 703.37$ $C = 879.62$
 $L = 705.69$ $L = 884.22$

Construct Irrigation Berm
 Sta. 45+50 ± Lt. to
 Sta. 56+25 ± Lt.
 For Detail See Sht. No. 33



PLAN	CONTRACTED
PROFILE	UNMARKED
PROFILE	NOT DRAWN
NOTE BOOK	NOT UP TO DATE
W.H.	NOT UP TO DATE

PROFILE	RECORDED
PROFILE	GRADE CHECKED
NOTE BOOK	B. M. AND D. STRUCTURE NOTATNS ENCL.
W.H.	

