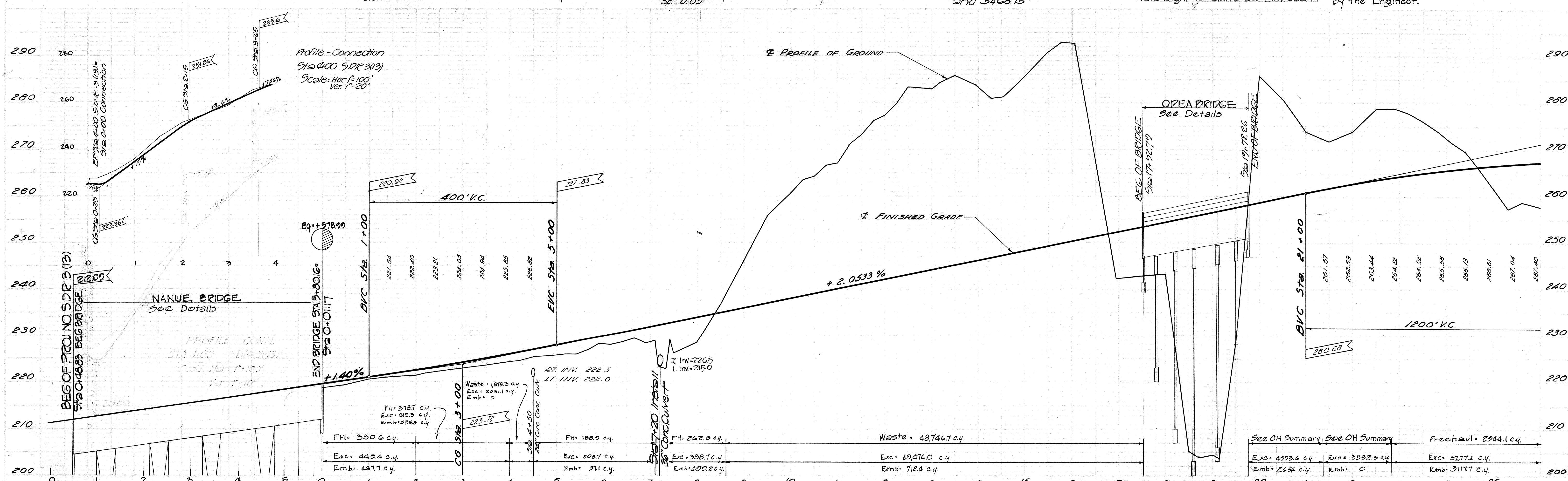
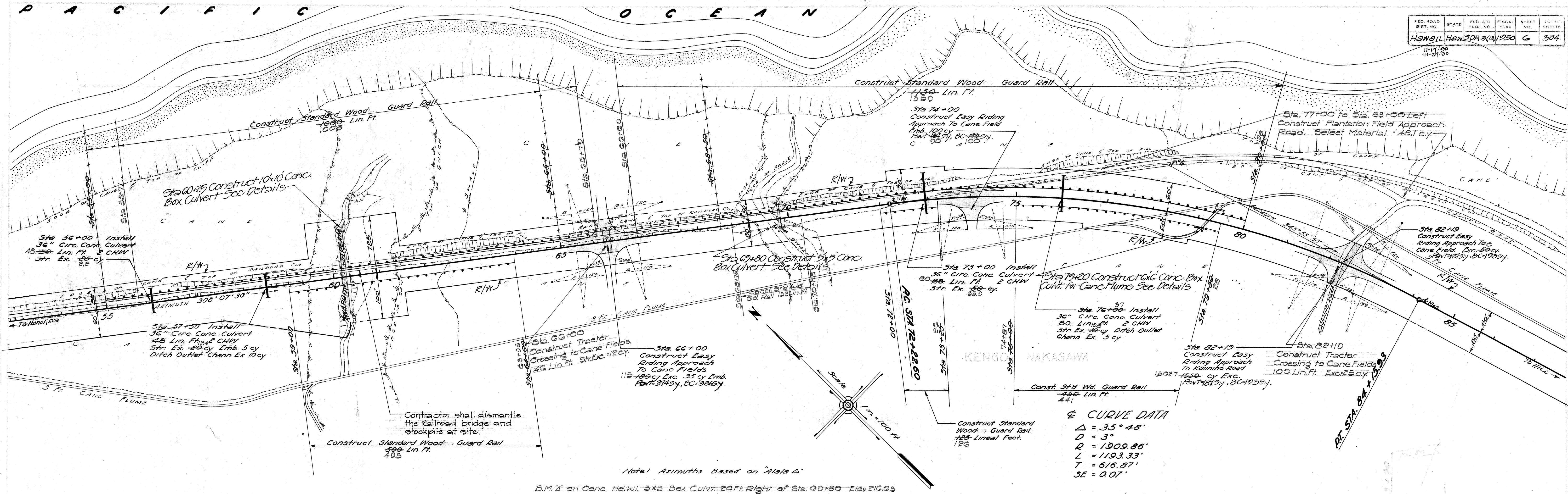


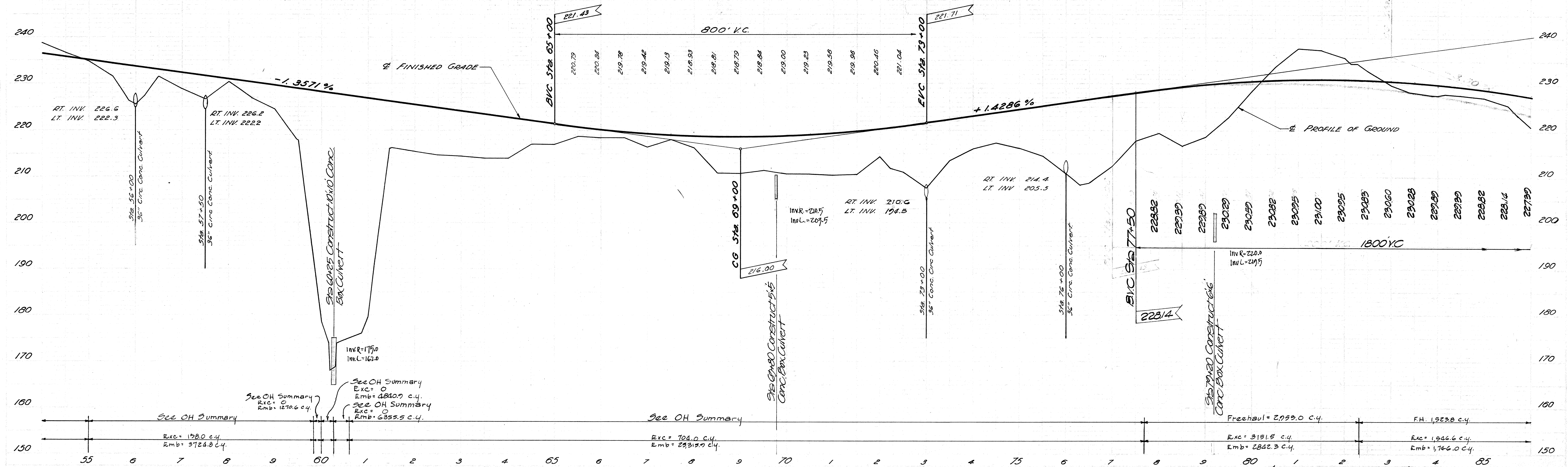


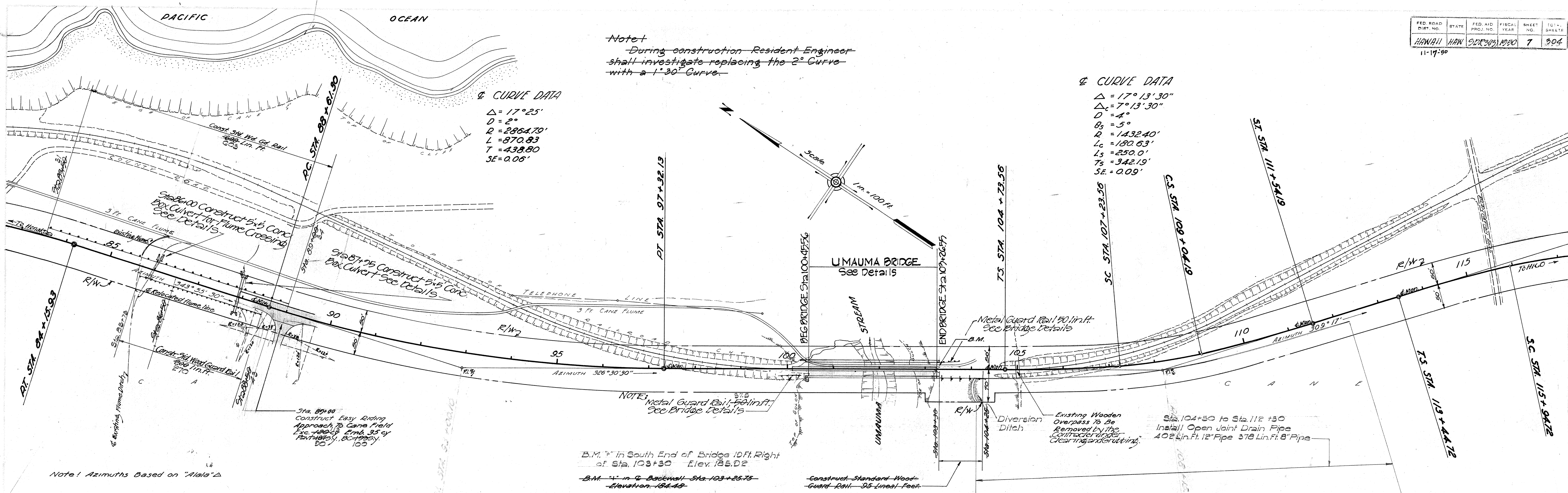


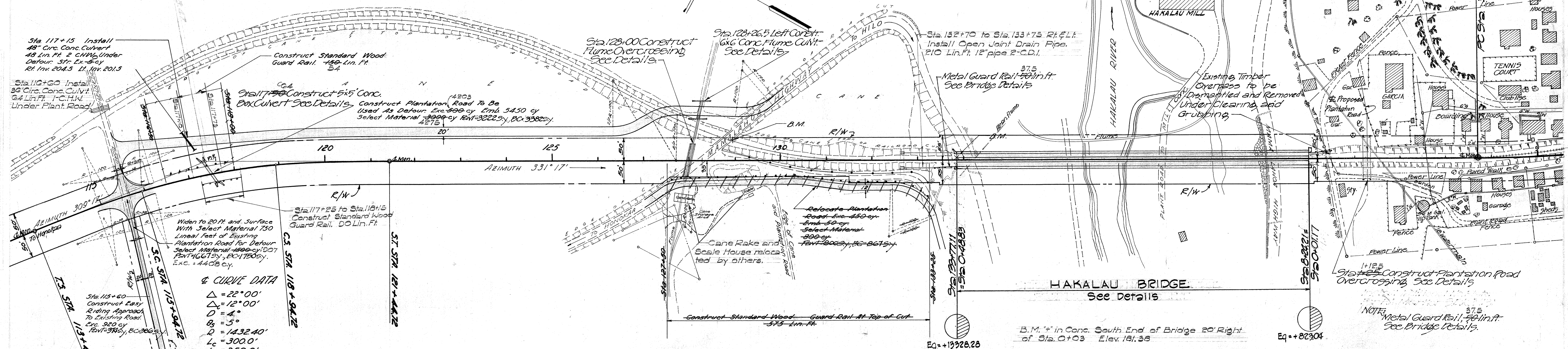
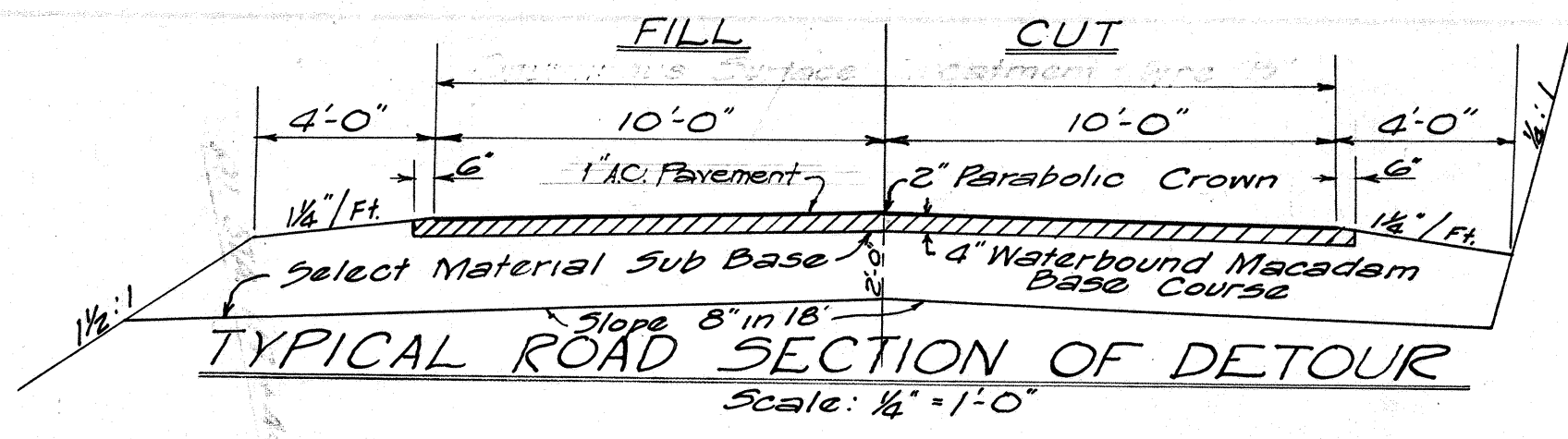


CURVE DATA
 $\Delta = 35^\circ 48'$
 $D = 3'$
 $R = 1909.86'$
 $L = 1193.33'$
 $T = 616.87'$
 $SE = 0.07'$

Note: Azimuths Based on 'Alala A'
 B.M. 'A' on Conc. Hd. W/L 5x5 Box Culvert, 20 Ft. Right of Sta. 60+50 Elev. 216.63

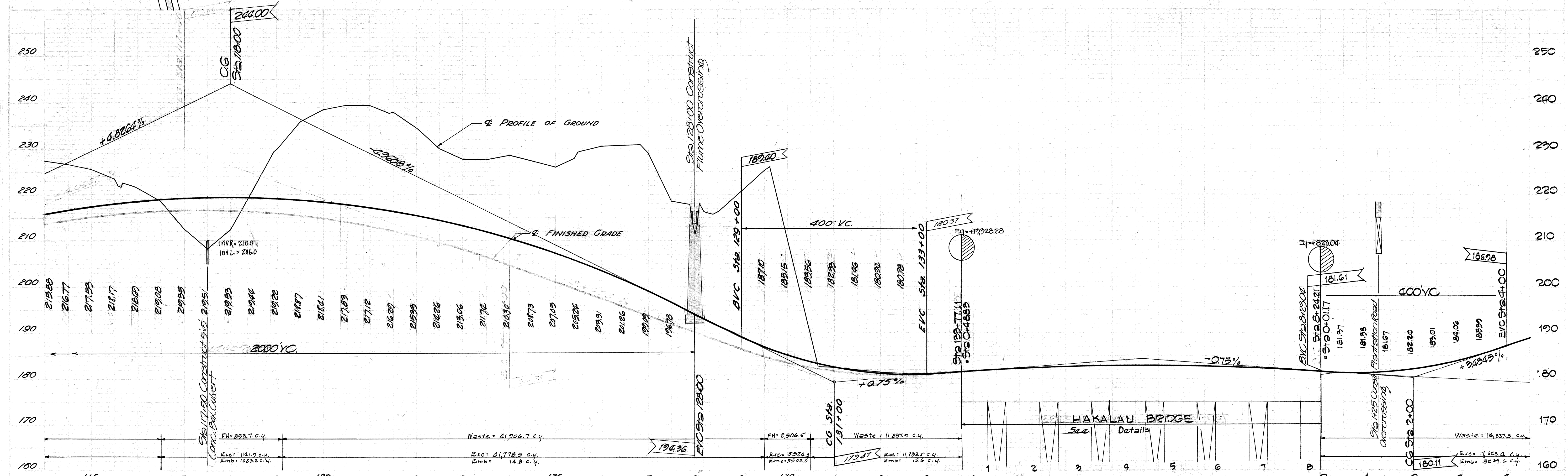






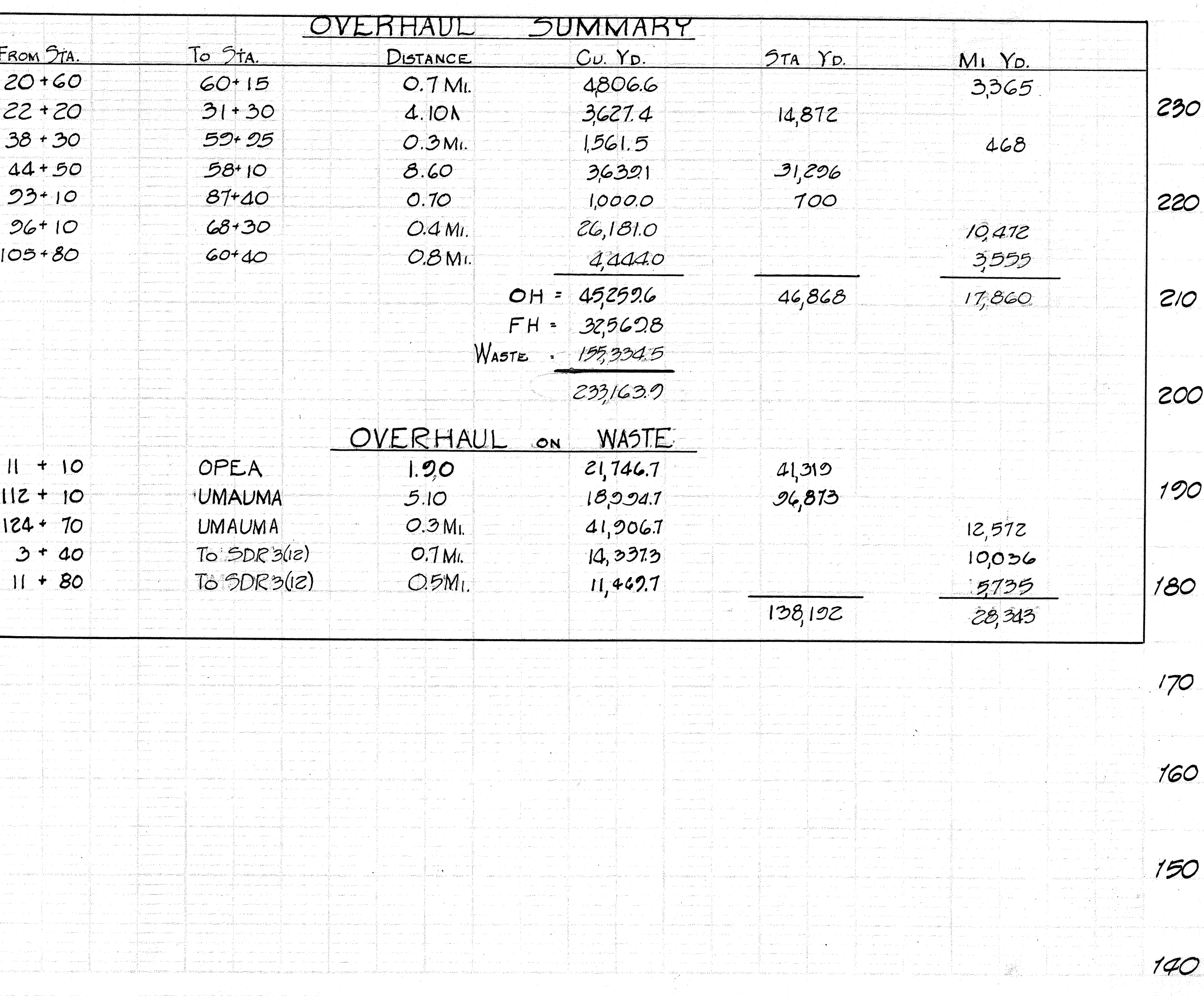
CURVE DATA

$\Delta = 22^\circ 00'$
$\Delta_c = 12^\circ 00'$
$D = 4'$
$R = 5'$
$D_c = 1432.40'$
$L_c = 300.0'$
$L_s = 250.0'$
$T_s = 403.75'$
$SE = 0.09'$



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	90R3(3)	1990	3	302

5468.8



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