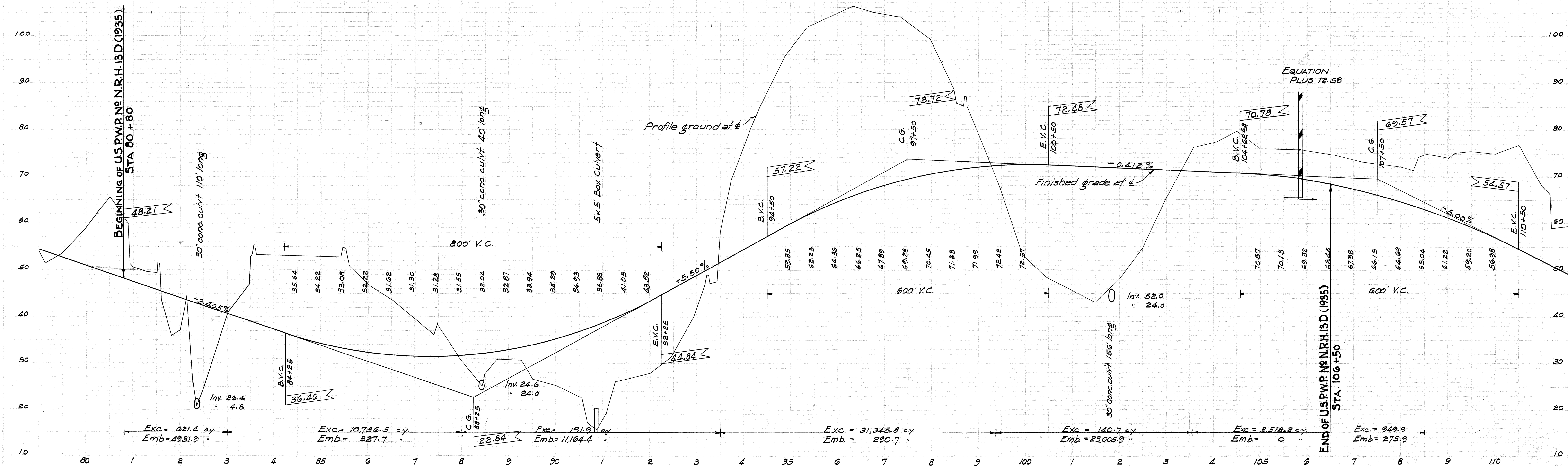
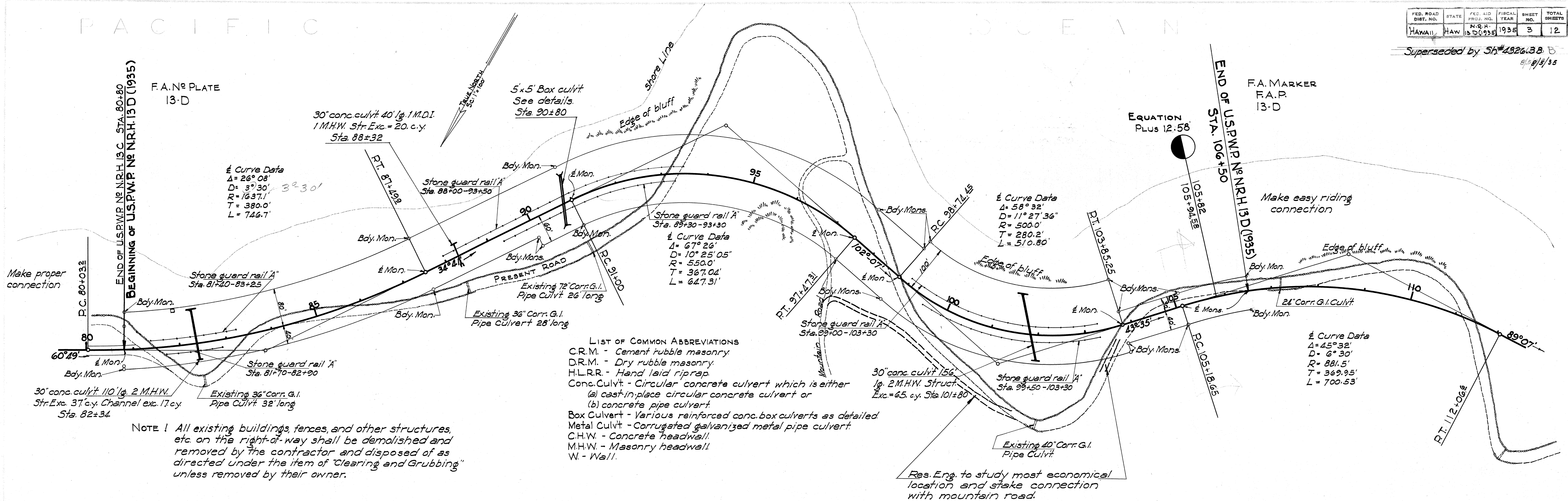


PACIFIC

OCEAN

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	N.R.H. 13D (1935)	1935	3	12

Superseded by Sh# 4326.3B
6/28/35

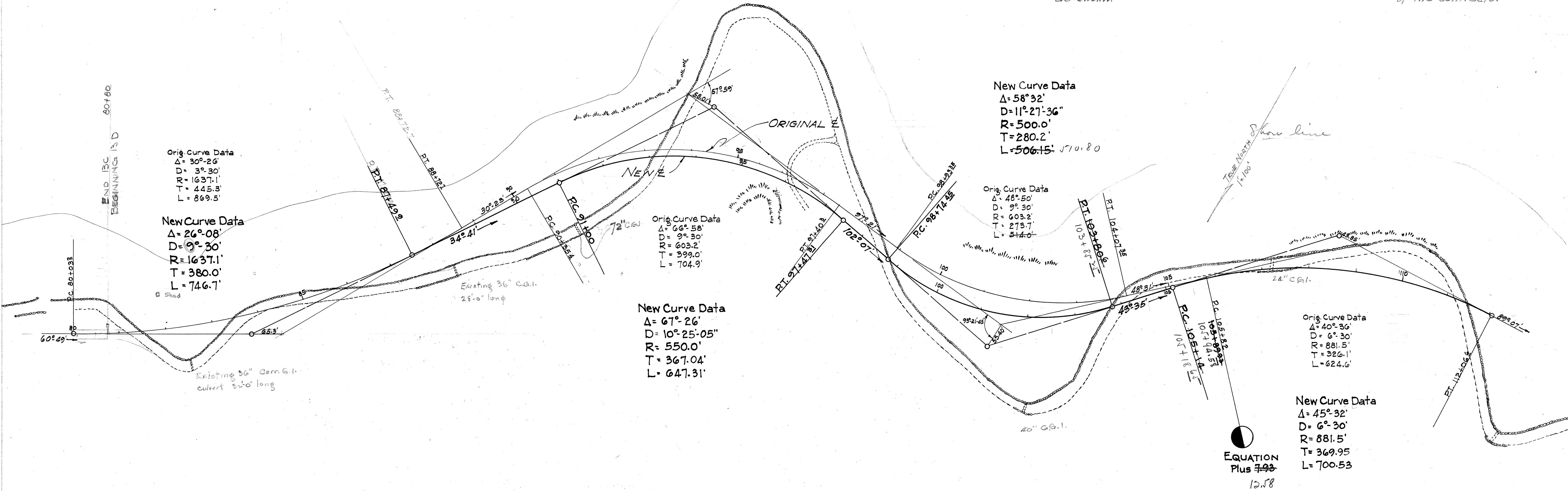


4326.3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	N.B.H. 120	1935	3A	12

This sheet shows location of new Δ in respect to original Δ .
 P.I.'s are tied to original P.I.'s as shown.

Note: This sheet is for the use of the Res. Eng. only and is not for the use of the Contractor



Orig. Curve Data
 $\Delta = 30^{\circ}26'$
 $D = 3^{\circ}30'$
 $R = 1637.1'$
 $T = 445.3'$
 $L = 869.5'$

New Curve Data
 $\Delta = 26^{\circ}08'$
 $D = 9^{\circ}30'$
 $R = 1637.1'$
 $T = 380.0'$
 $L = 746.7'$

Orig. Curve Data
 $\Delta = 66^{\circ}58'$
 $D = 9^{\circ}30'$
 $R = 603.2'$
 $T = 399.0'$
 $L = 704.9'$

New Curve Data
 $\Delta = 67^{\circ}26'$
 $D = 10^{\circ}25'05''$
 $R = 550.0'$
 $T = 367.04'$
 $L = 647.31'$

New Curve Data
 $\Delta = 58^{\circ}32'$
 $D = 11^{\circ}27'36''$
 $R = 500.0'$
 $T = 280.2'$
 $L = 506.15'$ $J = 10.80$

Orig. Curve Data
 $\Delta = 48^{\circ}50'$
 $D = 9^{\circ}30'$
 $R = 603.2'$
 $T = 273.7'$
 $L = 514.0'$

Orig. Curve Data
 $\Delta = 40^{\circ}36'$
 $D = 6^{\circ}30'$
 $R = 881.5'$
 $T = 326.1'$
 $L = 624.6'$

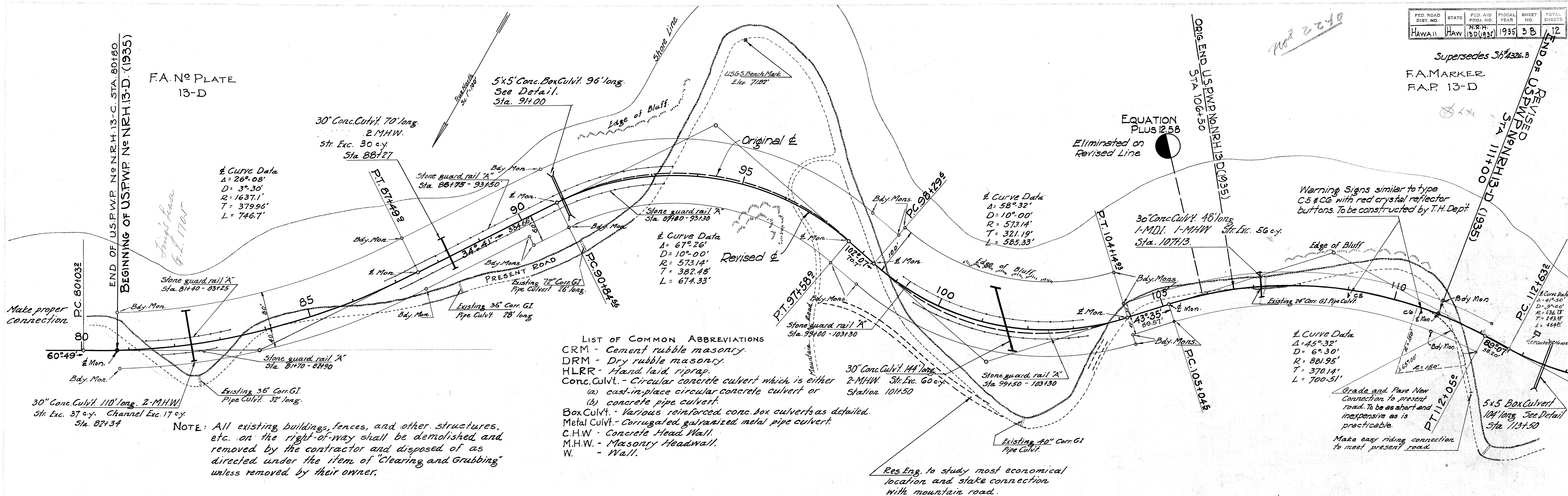
New Curve Data
 $\Delta = 45^{\circ}32'$
 $D = 6^{\circ}30'$
 $R = 881.5'$
 $T = 369.95'$
 $L = 700.53'$

EQUATION
 Plus ~~7.93~~
 12.58

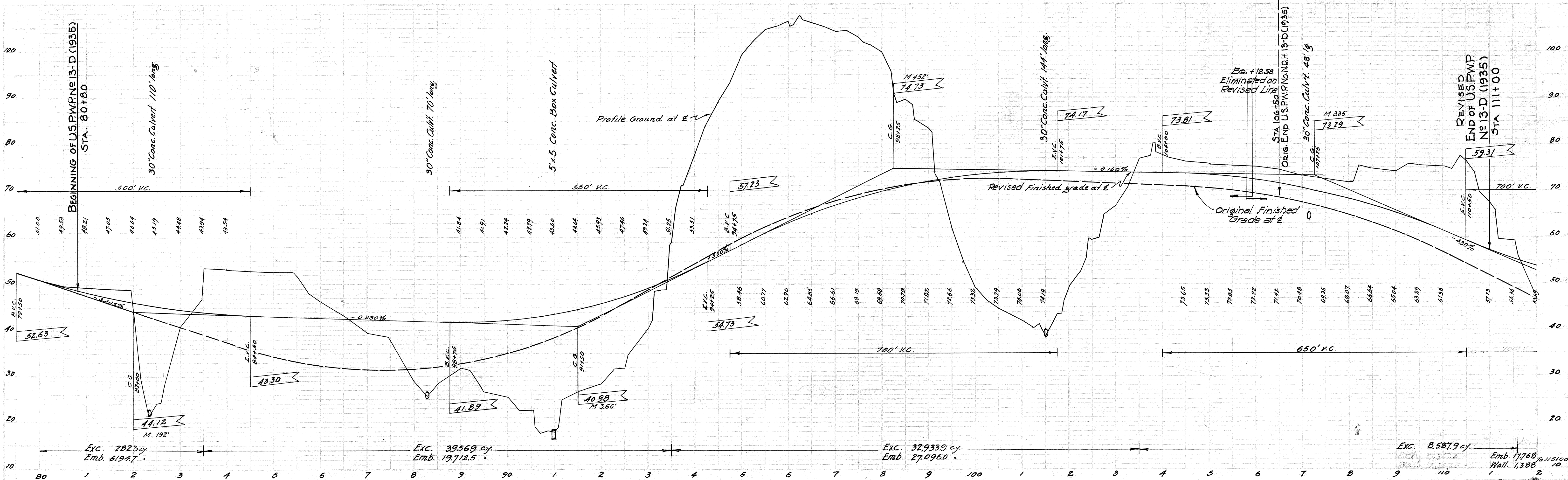
ORIGINAL PLAN	DATE
NOTED BY	8/25
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	N.R.H. 130(935)	1935	38	12

Supersedes 314326.3
F.A. MARKER
R.A.P. 13-D



- LIST OF COMMON ABBREVIATIONS**
- CRM - Cement rubble masonry
 - DRM - Dry rubble masonry
 - HLRR - Hand laid riprap
 - Conc. Culvt. - Circular concrete culvert which is either
 - (a) cast-in-place circular concrete culvert or
 - (b) concrete pipe culvert.
 - Box Culvt. - Various reinforced conc. box culverts as detailed.
 - Metal Culvt. - Corrugated galvanized metal pipe culvert.
 - C.H.W. - Concrete Headwall.
 - M.H.W. - Masonry Headwall.
 - W. - Wall.



4326.3B