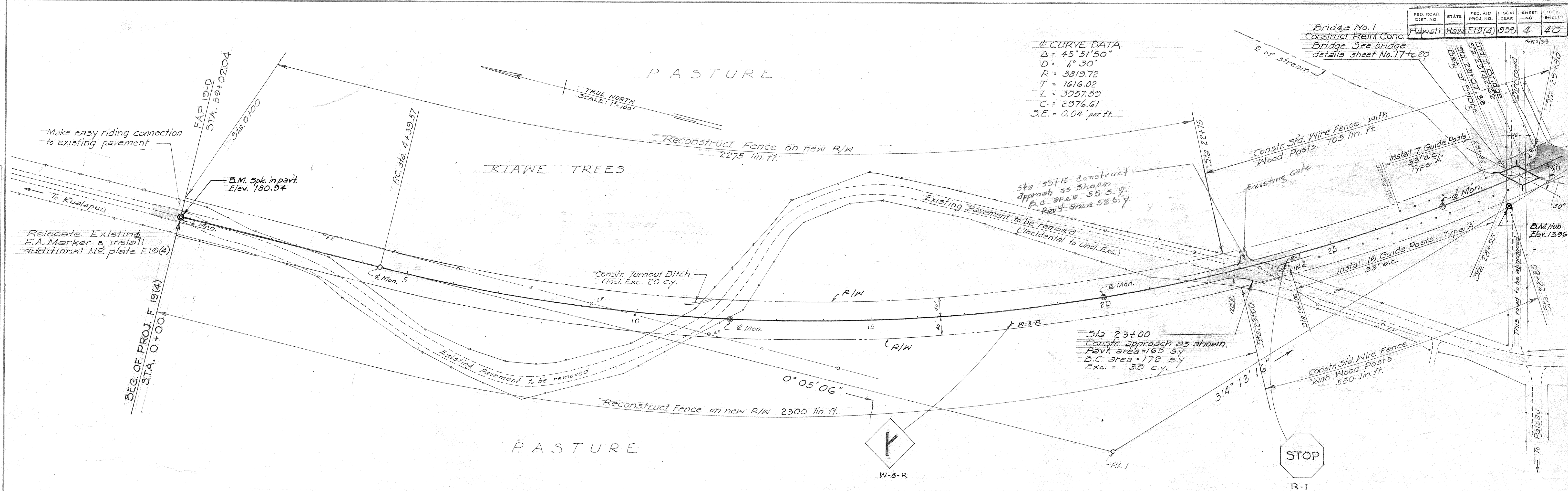


DATE	BY	SURVEYED	NOTED	NO.
4-9-51	H.H.	4-9-51	4-9-51	2-2-2
NOTE BOOK	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2
NO. 2-2-2	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2

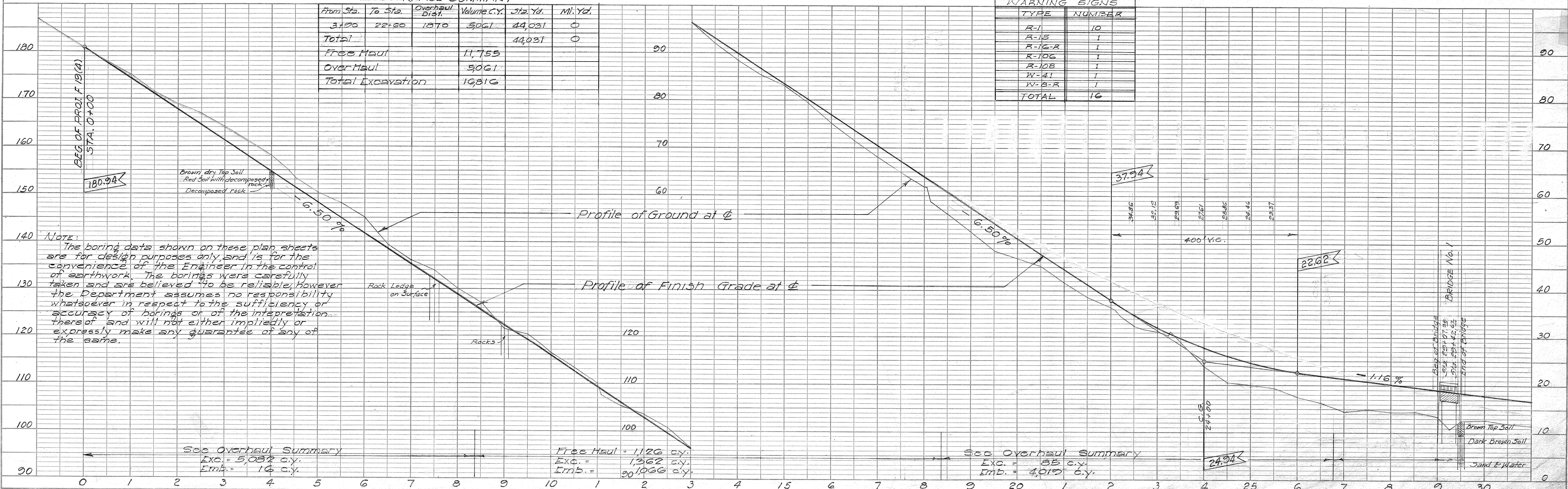
DATE	BY	SURVEYED	NOTED	NO.
4-9-51	H.H.	4-9-51	4-9-51	2-2-2
NOTE BOOK	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2
NO. 2-2-2	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2	NO. 2-2-2



OVERHAUL SUMMARY

From Sta.	To Sta.	Overhaul Dist.	Volume C.Y.	Sta. Yd.	Mi. Yd.
3+20	22+80	1870	5061	44,031	0
Total				44,031	0
Free Haul			11,755		
Overhaul			5061		
Total Excavation			19816		

REGULATORY AND WARNING SIGNS	
TYPE	NUMBER
R-1	10
R-15	1
R-16-R	1
R-106	1
R-108	1
W-41	1
W-B-R	1
TOTAL	16



PLAN

BY: _____ DATE: _____

NOTES:

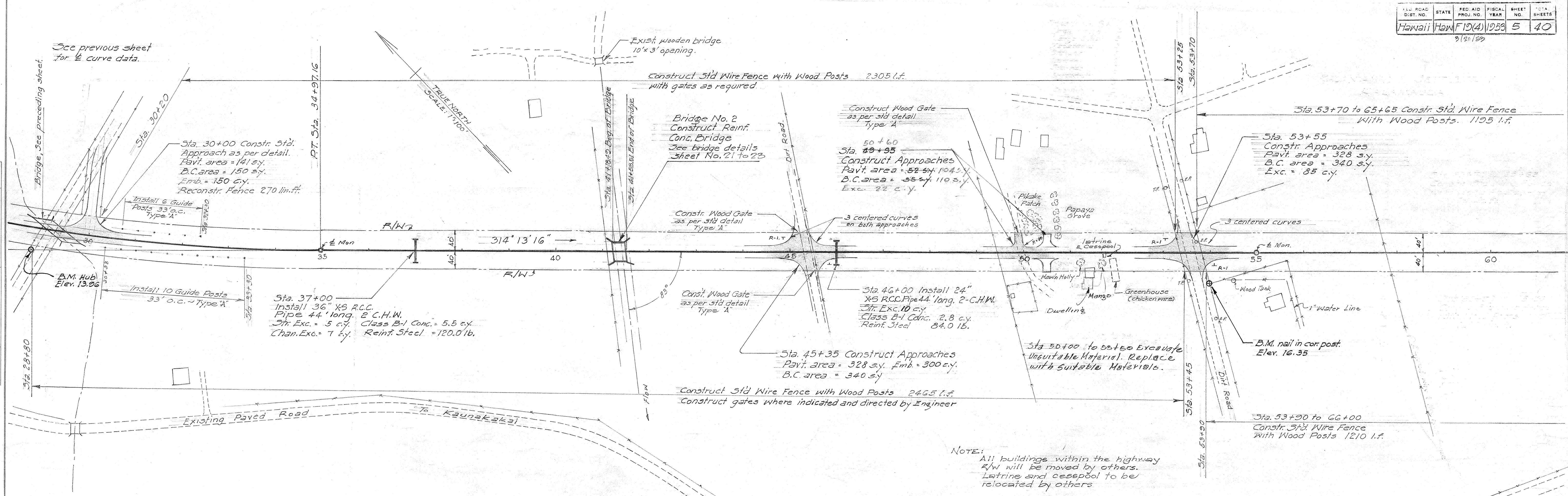
1. SURVEYED

2. PLOTTED

3. CHECKED

4. RT. OF WAY CHECKED

5. NO.



PROFILE

BY: _____ DATE: _____

NOTES:

1. SURVEYED

2. PLOTTED

3. CHECKED

4. GRADES CHECKED

5. B.M. NOTED

6. STRUCTURE NOTATIONS CHK'D

7. NO.



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	FID(4)	1953	6	40

NOTE: All radii of approaches shall be 10 feet unless noted otherwise.

£ CURVE DATA

$\Delta = 31^{\circ}12'05''$
 $D = 1^{\circ}30'$
 $R = 3819.72$
 $T = 1066.53$
 $L = 2080.09$
 $C = 2054.49$
 $S.E. = 0.02' \text{ per ft.}$

Sta. 91+70 Constr. Approach
Pavt. area = 42 s.y. B.C. area = 46 s.y.
Emb. 50 c.y.
Exc. 11 c.y.

Sta. 88+50 Constr. Appr. —
Pav't. area = 42 sq.
D.C. area = 46 sq. Emb. = 30 c.y.

Sta. 87+50 Constr. Appr. —————
 Pav't area = 42 s.y.
 B.C. area = 46 s.y. Emb. = 30 c.y.

Sta. 84+30 Constr. _____
Approach Pav't area = 67 s.y.
B.C. area = 72 s.y. Emb. = 50 c.y.

Sta. 90+00 Constr.
Appr. Pav't. area = 42 sq.
B.C. Area = 46 sq.
Emb. = 35 c.y.

Sta 84+70 to 85+00

Post
~Type A
Sta 84+75 to 93+70
construct Fence 895 l.f.

Sta. 91+50 Constr. Appr. —
 Pavt. area = 42 s.y.
 D.C. area = 46 s.y. Emb. 20 c.y.
 Exc. 22 c.y.

Sta. 84+65 Constr. Appr.
 Pav't area = 42 s.y.
 B.C. area = 46 s.y. Emb. = 240 c.y.

- Sta. 83+45 Constr. Approach
Pav't. area = 42 s.y. Emb. = 185 c.y.
B.C. area = 46 s.y.

Note:
The old surface shall be scarified and compacted before any embankment is placed on the existing pavement.

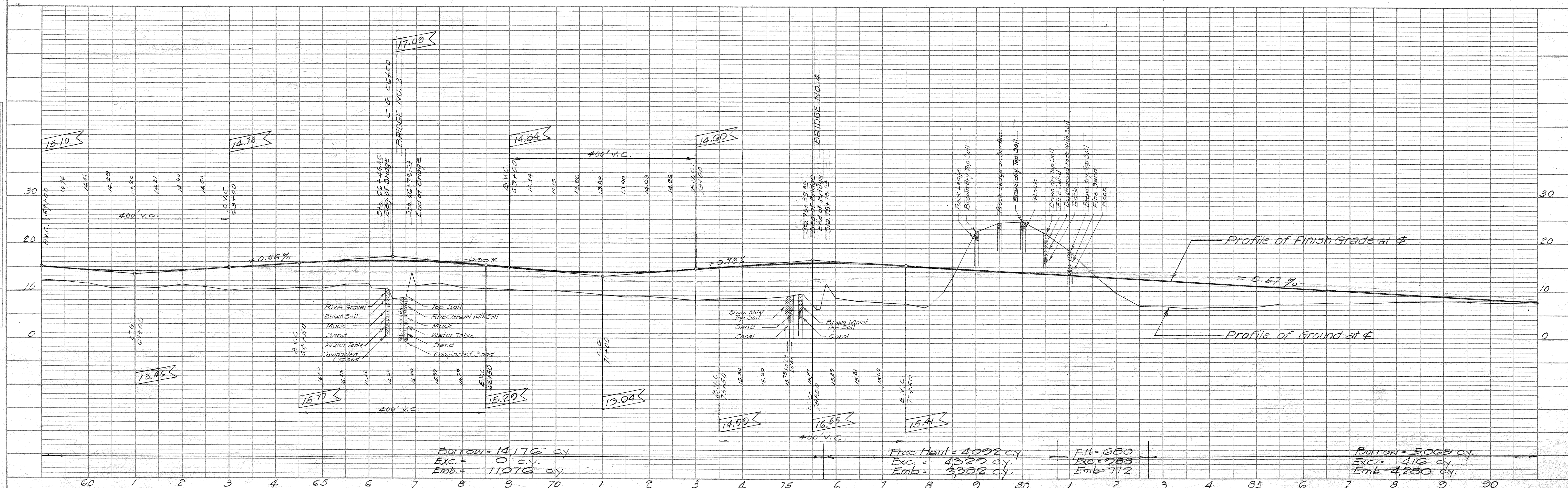
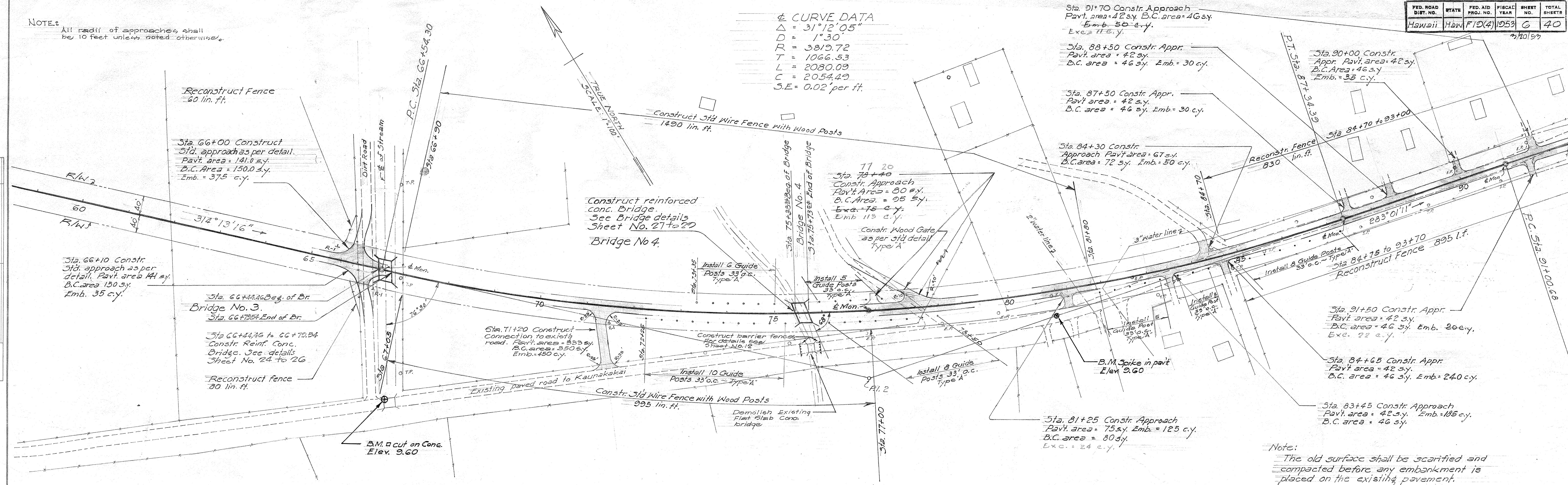


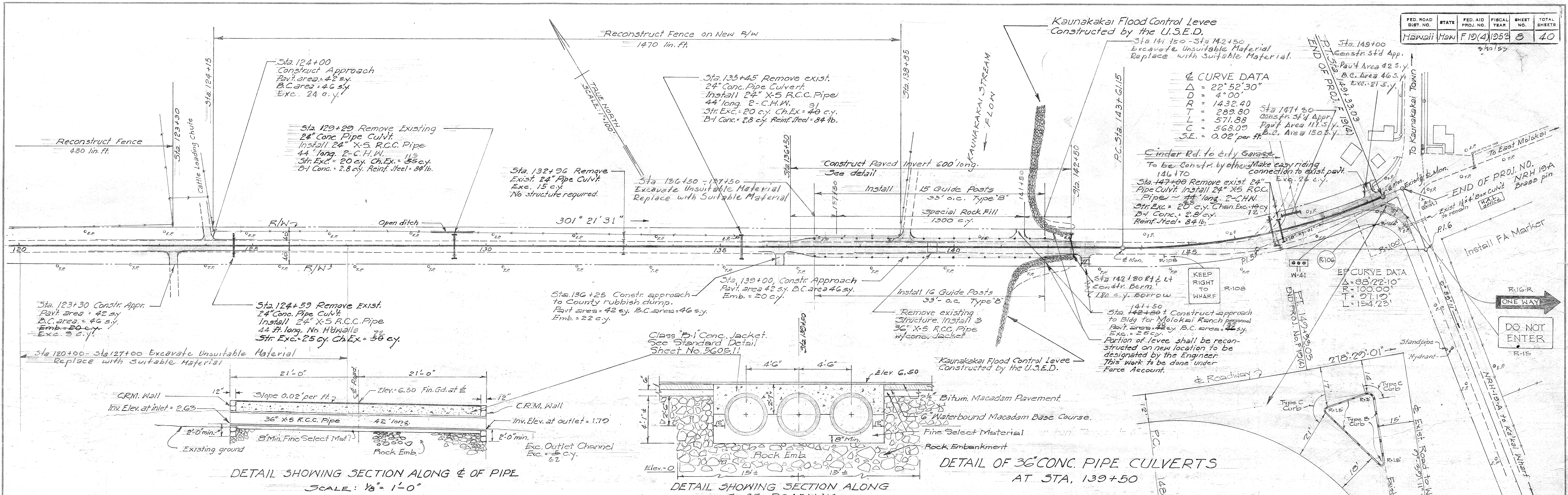
PLATE 1. PLAN - PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

K & E CO. No. 345-1 MADE IN U. S. A. 43770.

5605.6

BY DATE
SURVEYED
NOTE BOOK
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NO.

BY DATE
SURVEYED
NOTE BOOK
GRADES CHECKED
B. M. NOTED
STRUCTURE NOTATIONS OK'D
NO.



DETAIL SHOWING SECTION ALONG $\pm$ OF PIPE
SCALE: $\frac{1}{8}" = 1'-0"$

DETAIL SHOWING SECTION ALONG $\pm$ OF ROADWAY
SCALE: $\frac{1}{4}" = 1'-0"$

DETAIL OF 36" CONC. PIPE CULVERTS
AT STA. 139+50

