

NOTE:

1. Origin of Azimuths and Coordinates Refer to KAPOHO "A".
2. Elevations Refer to Mean Sea Level
3. Telephone & Electric poles in way of construction shall be moved by others
4. Install & Monuments on R/W Centerline as staked by the Engineer.

ACCESS PERMITTED LOCATION

STA.	LENGTH
Sta. 49+85 L	50'
Sta. 53+50 R	50'
Sta. 53+50 L	35.59'
Sta. 55+00 L	20.01'
Sta. 55+90 L	20'
Sta. 57+00 L	20'
Sta. 58+70 L	20'
Sta. 58+70 R	20'
Sta. 63+40 L	50'
Sta. 63+40 R	50'
Sta. 71+75 L	50'
Sta. 71+75 R	50'
Sta. 73+25 L	20'
Sta. 73+40 L	20'
Sta. 80+50 L	50'
Sta. 80+50 R	50'
Sta. 84+25 R	20'

Sta. 58+77 L	20'
Sta. 58+77 R	20'
Sta. 7116+00 L	50'
Sta. 7116+00 R	50'

CURVE DATA

$\Delta = 23^\circ 51' 30''$
 $D = 3^\circ 30'$
 $R = 1637.02$
 $T = 345.84$
 $L_c = 681.67$
 $C = 676.75$
 $E = 36.13$
 $SE = 0.03'/ft.$

Sta. 54+00 Left
Sta. 55+00 Left
Sta. 55+90 Left
Sta. 57+00 Left
Sta. 58+70 Left
Construct Approaches to Existing Driveways
Pavement Area = 215 sq.
Base Course Area = 224 sq.

SPIRAL DATA

$\Delta = 71^\circ 29'$
 $D = 8^\circ 00'$
 $Os = 100.00'$
 $Ls = 250.00'$
 $Ts = 642.91'$
 $Es = 170.66'$
 $Ac = 51^\circ 29'$
 $Dc = 8^\circ 00'$
 $Tc = 776.80'$
 $Lc = 946.99'$
 $Sc = 0.04354'$
 $Se = 0.1011'/ft.$

SUMMARY OF REGULATORY AND WARNING SIGNS

TYPE	MESSAGE	QUANTITY
R-1	STOP	# 6
W-2-L		1
W-2-R		1
W-6	+	1
TOTAL		79 9

BEG. OF PROJECT ER 8(1)
P.C. Sta. 48+70.29
END OF PROJ. 5-0132(1)
P.C. Sta. 218+87.26

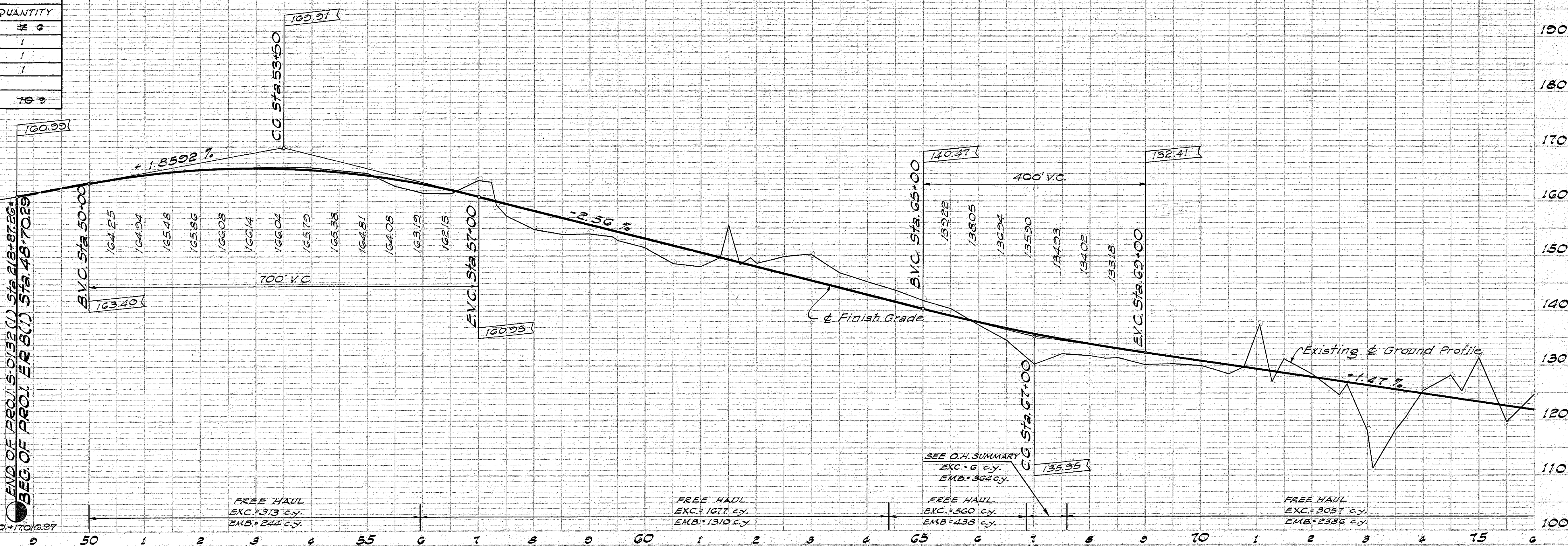
Sta. 50+00 to 50+50
Construct Smooth and Easy Riding Connection

Sta. 53+40 Right
Construct Approach to Existing Field Road
Pavement Area = 94 sq.
Base Course Area = 97 sq.

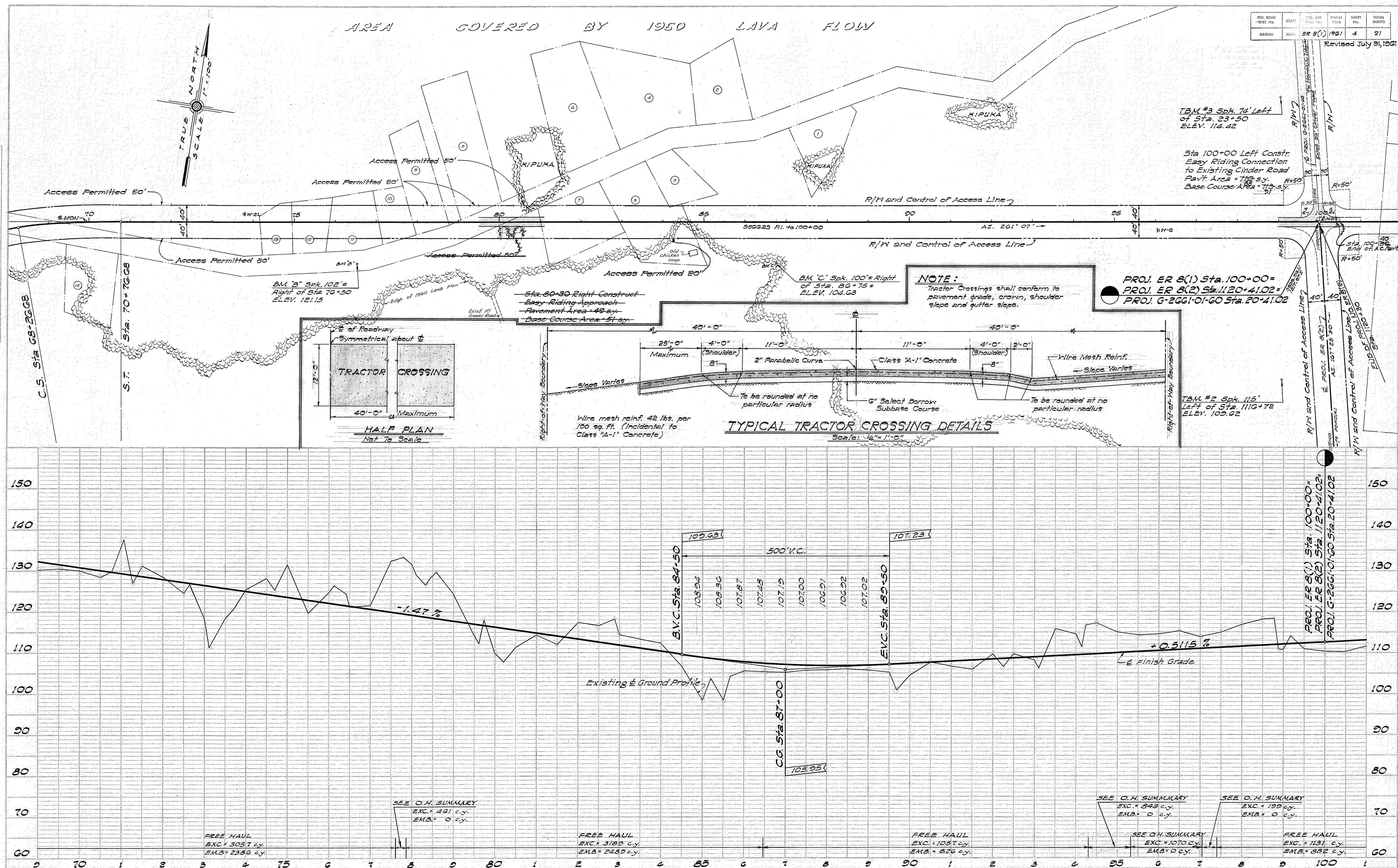
Sta. 50+50 to 51+50 Right
Reconstruct Existing Wood Guardrail w/Concrete Posts
100 Lin. Ft.

Install Additional Federal Aid No. Plate ER-8(1)

END OF PROJ. 5-0132(1) Sta. 218+87.26
BEG. OF PROJ. ER 8(1) Sta. 48+70.29



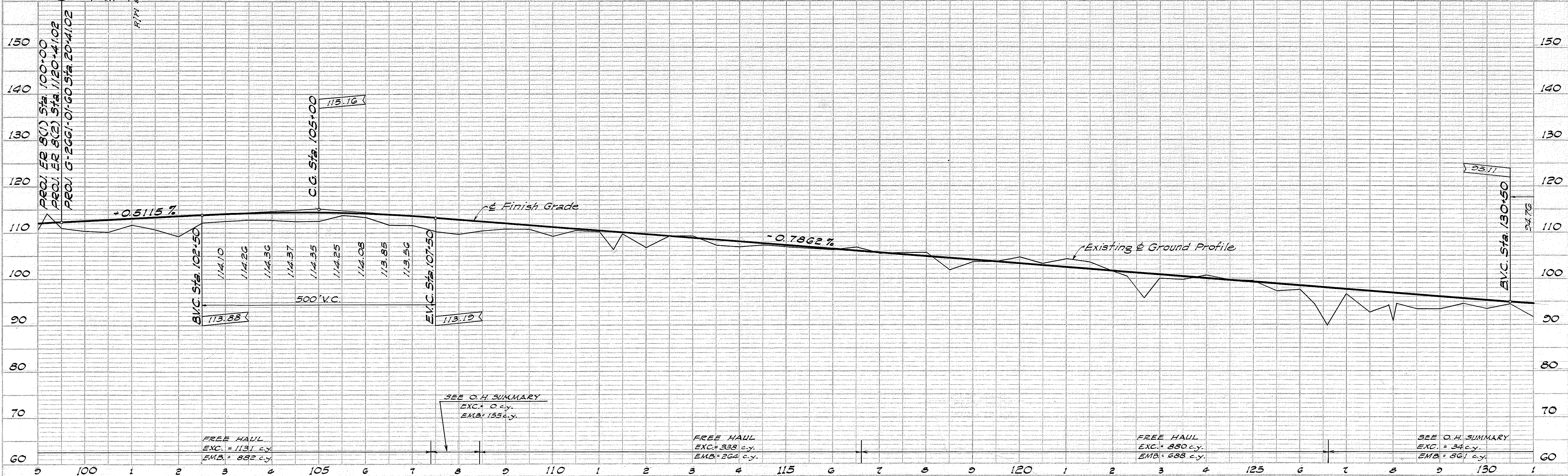
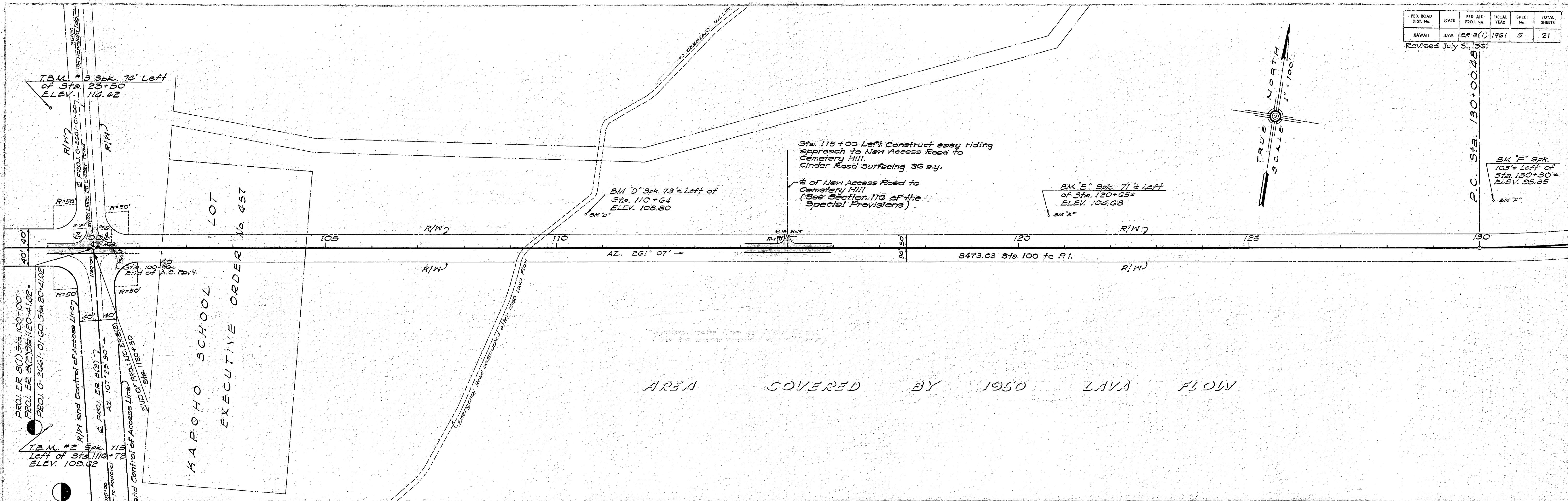
PROFILE	SUNSHED	BY	DATE
	PLOTTED	S. K.	10/60
NOTE BOOK	GRADES CHECKED	H. A.	9/60
NO.	B. M. NOTED	T. F.	10/60
	STRUCTURE NOTATIONS CHVD.		



DD-6-1

PLAN	DATE	BY
SUPERVISED	10/16	S. L.
NOTED	10/16	S. L.
NOTE BOOK	10/16	S. L.
ALIGNMENT CHECKED	10/16	S. L.
RT. OF WAY CHECKED	10/16	S. L.

PROFILE	DATE	BY
SUPERVISED	10/16	S. L.
NOTED	10/16	S. L.
NOTE BOOK	10/16	S. L.
GRADES CHECKED	10/16	S. L.
STRUCTURE LOCATIONS CHECKED	10/16	S. L.

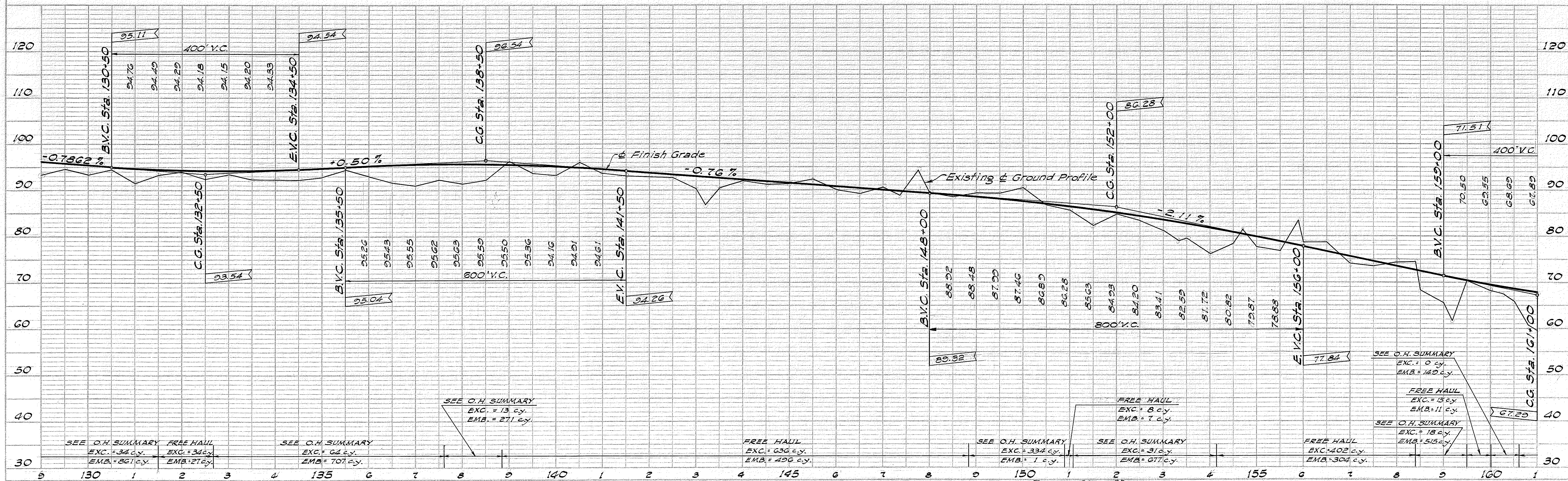
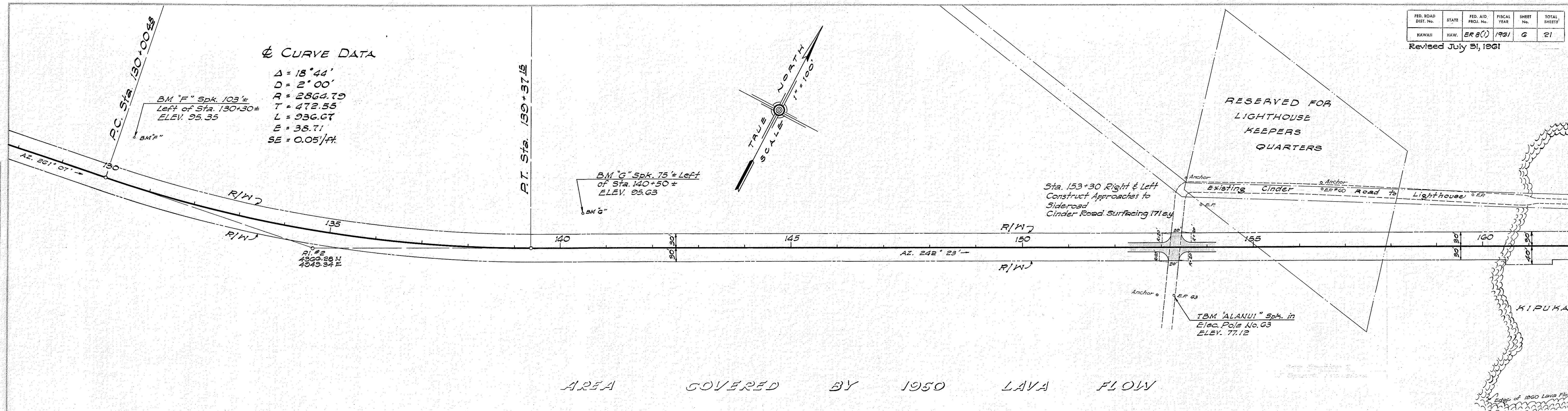


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	ER 8(1)	1961	6	21

Revised July 31, 1961

PLAN	DESIGNED	BY	DATE
NOTE BOOK ALIGNMENT CHECKED	S. K. A. N.	S. K. A. N.	10/60
RT. OF WAY CHECKED			
NO.			

PROFILE	SURVEYED	BY	DATE
NOTE BOOK GRADES CHECKED	S. K. A. N.	S. K. A. N.	10/60
STRUCTURE NOTATIONS CHECKED			
NO.			

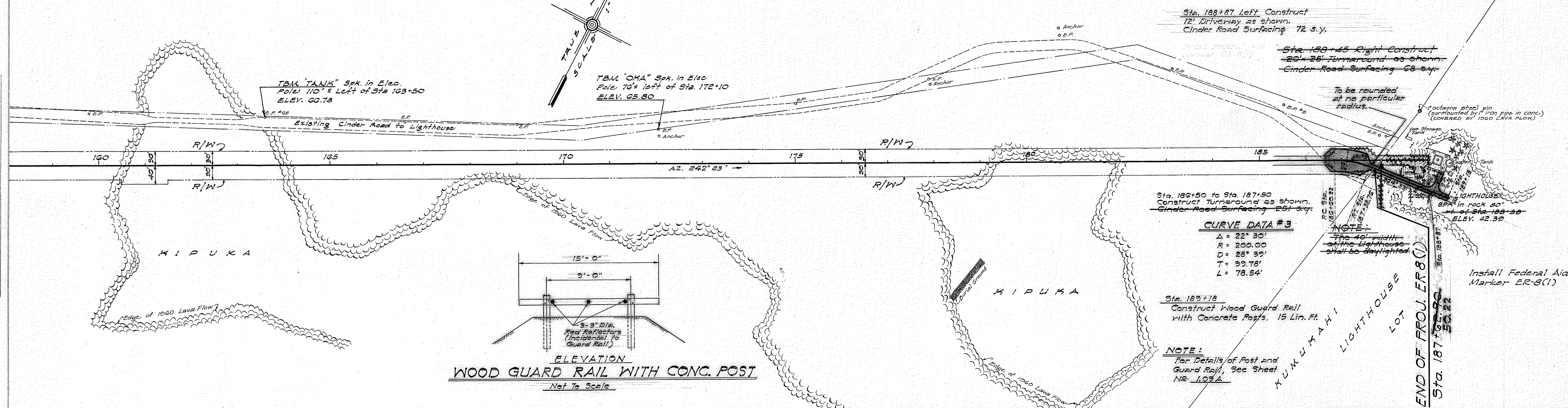


Revised July 31, 1961

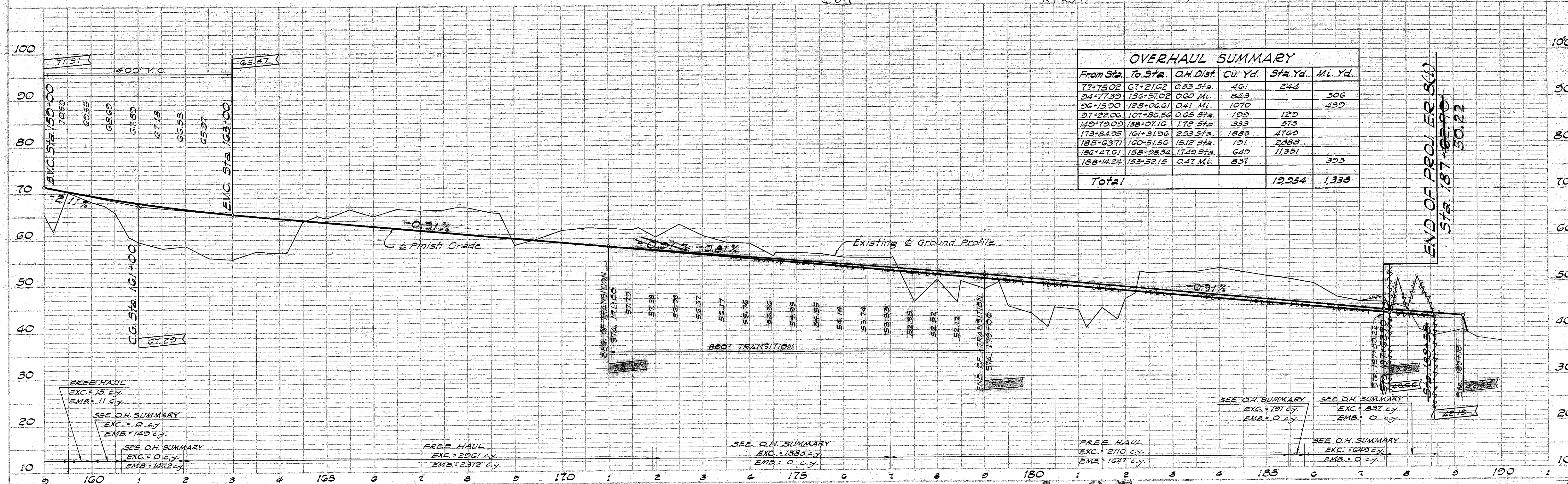
DATE 9/60
BY S.L.S.M.
SURVEYED
NOTE BOOK ALIGNED CHECKED
RT. OF WAY CHECKED
NO.

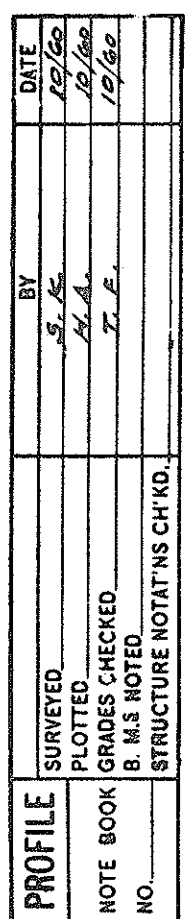
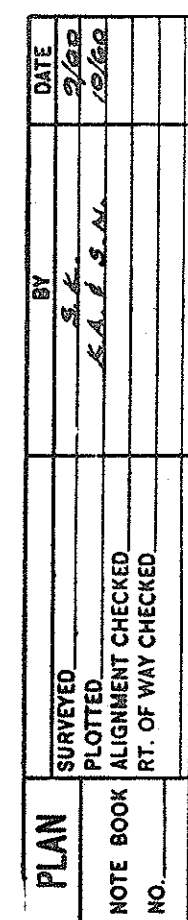
DATE 9/60
BY S.L.S.M.
SURVEYED
NOTE BOOK GRADES CHECKED
B. & E. NOTED
STRUCTURE NOTATION OFFIC.
NO.

AREA COVERED BY 1950 LAVA FLOW



OVERHAUL SUMMARY					
From Sta.	To Sta.	O.H. Dist.	Cu. Yd.	Sta. Yd.	Mi. Yd.
77+75.02	67+21.62	0.53 Sta.	461	244	
94+77.39	136+57.02	0.60 Mi.	843		506
96+15.00	128+06.61	0.41 Mi.	1070		432
97+22.06	107+86.56	0.65 Sta.	192	129	
140+73.09	158+07.16	1.72 Sta.	333	573	
173+84.25	161+31.06	2.53 Sta.	1885	4762	
185+63.71	100+51.66	15.12 Sta.	191	2888	
186+47.61	158+28.34	17.49 Sta.	640	11,351	
188+44.24	153+52.15	0.47 Mi.	837		393
Total				19,254	1,338





END OF PROJECT (1)