

GENERAL NOTES:

1. Provide smooth shoulder and side slope transition between crown section and full superelevated sections.
2. Provide 50' smooth transition between changes in fill slopes used and in transitioning between cut and fill sections.
3. All grading work shall be done in compliance with County of Hawaii's Grading Ordinance No. 168.
4. Origin of azimuths and coordinates shown referred to Hakama U.S.G.S.
5. Datum for elevations is Mean Sea Level.
6. All utility poles to be relocated by others.
7. For Summary of Drainage Structures, see Plan sheet no. 19.
8. For Summary of Signs and Pavement Markers, see Plan sheet nos. 26 & 27.
9. Scarifying of existing pavement shall be incidental to Roadway Excavation.
10. Removal and stockpiling of existing fence line shall be incidental to new fence line, and all material shall belong to the Contractor.
11. Traffic maintenance, construction and detour signs shall be considered incidental to the contract.
12. Archaeological sites or remains encountered during construction and not described in the report "Archaeological Surface Survey" of the proposed Kaimu-Chain of Craters Road, Alignment "B", shall not be disturbed until Clearances are obtained from the County of Hawaii Planning Department.

LEGEND:

- Existing Pole
- New Pole
- New Pole with Anchor
- Existing Pole with Anchor

LEGEND:

- ◉ - Mango
- ★ - Aloe
- ✱ - Plumeria
- ✱ - Coconut
- ◉ - Ulu
- ◉ - Avocado
- ◉ - Longan
- ◉ - Pear

Sta. 91+50 to Sta. 104+00 Lt.

Construct 1295 Lin. Ft. of Hogwire Fence w/Metal Posts.

BEG. F.A. PROJ. No. ER 9(3)

Sta. 91+50
END PROJ. No. S-0130(1)

To Hawaii Volcanoes National Park
Chain Of Craters Road Project No. S-0130(1)

60' Access Permitted
R.C. Sta. 93+96.48
Install Centerline Monument.

Sta. 91+50

Construct smooth and easy riding connection to existing Chain Of Craters Road.

Sta. 91+50 to Sta. 104+00 Rt.

Construct 922 Lin. Ft. of Hogwire Fence w/Metal Posts.

T.M.K. 1-2-02:27
Edward S.T. Ching & wf. Elsie H. T/E

T.M.K. 1-2-02:28
Edward S.T. Ching & wf. Elsie H. T/E

T.M.K. 1-2-02:18
Tuck Chang-owner

T.M.K. 1-2-02:6
State Of Hawaii - owner
(Hawaii Planters Inc.) - le.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER 9(3)	1979	3	89

¢ CURVE #101 DATA

$\Delta = 29^{\circ} 36'$
 $\frac{1}{2}\Delta = 14^{\circ} 48'$
 $D = 2^{\circ} 00'$
 $R = 2864.79'$
 $T = 756.91'$
 $E = 98.31'$
 $L_c = 1,480.00'$
 $S.E. = 0.074 \text{ Ft./Ft.}$

R/W and Control Of Access Line

Ship Spike P-248

Tangent Line Az. 241° 51'

RR Spike (Fd) P-248

Fence Connection

Scarify Existing Pavement

P.I. C Nail

120' Access Permitted

Az. 255° 29'

Fence Connection

C Nail

Sta. 101+36.48

Construct smooth and easy riding connection to existing Kalapana Beach Road. For Details, See Sheet No. 2

M.P.O.C. Sta. 101+36.48

Install Centerline Monument.

T.M.K. 1-2-02:7
State Of Hawaii - owner
(Hawaii Planter Inc.) - le.

Chain Of Craters Road
Existing & Finish Grade

End Project No. S-0130(1)
BEG. F.A. PROJ. No. ER 9(3)

B.V.C. Sta. 91+50

C.G. Sta. 96+50

E.V.C. Sta. 102+50

500'

600'

¢ Finish Grade

Existing & Ground Profile

Unsymmetrical Vertical Curve

1100 V.C.

Sheet no. 1 of 6 Sheets

T.M.K. 1-2-02:6

State Of Hawaii - owner

(Hawaii Planters, Inc.) - le.

T.M.K. 1-2-32:2 Stephen C.S. Chang & wf. Lillian L. T/E

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER 9(3)	1979	4	89

T.M.K. 1-2-32:17 Peter C. George & wf. Anna P. T/E

Sta. 104+00 to Sta. 136+00 Lt.

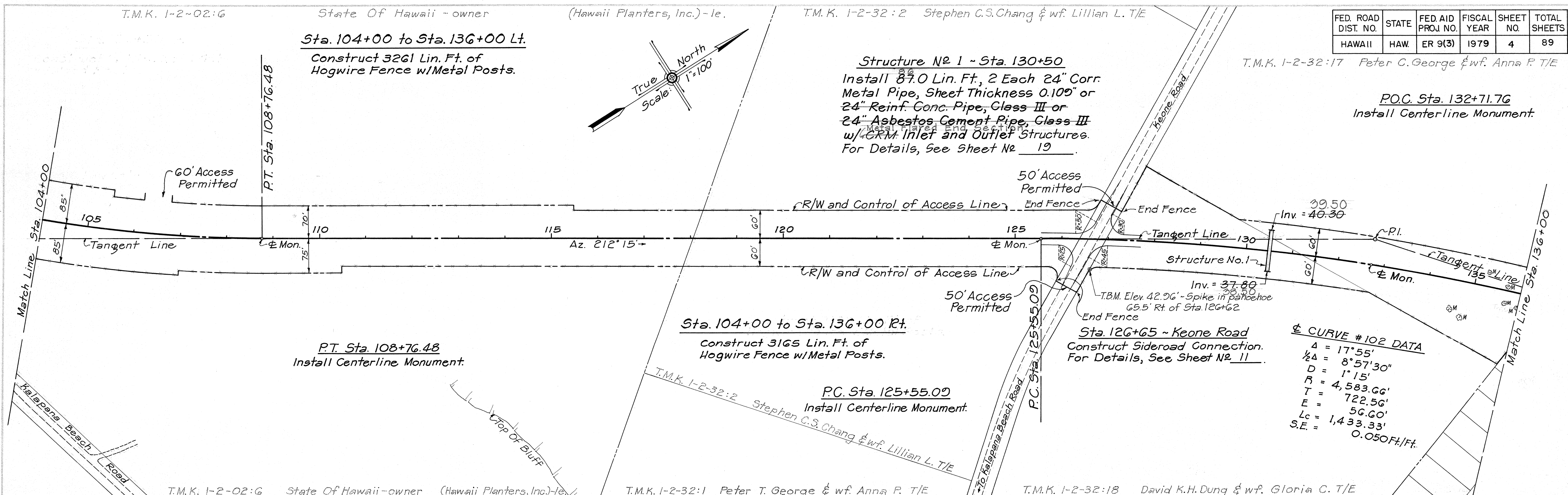
Construct 3261 Lin. Ft. of
Hogwire Fence w/ Metal Posts.

Structure No. 1 - Sta. 130+50

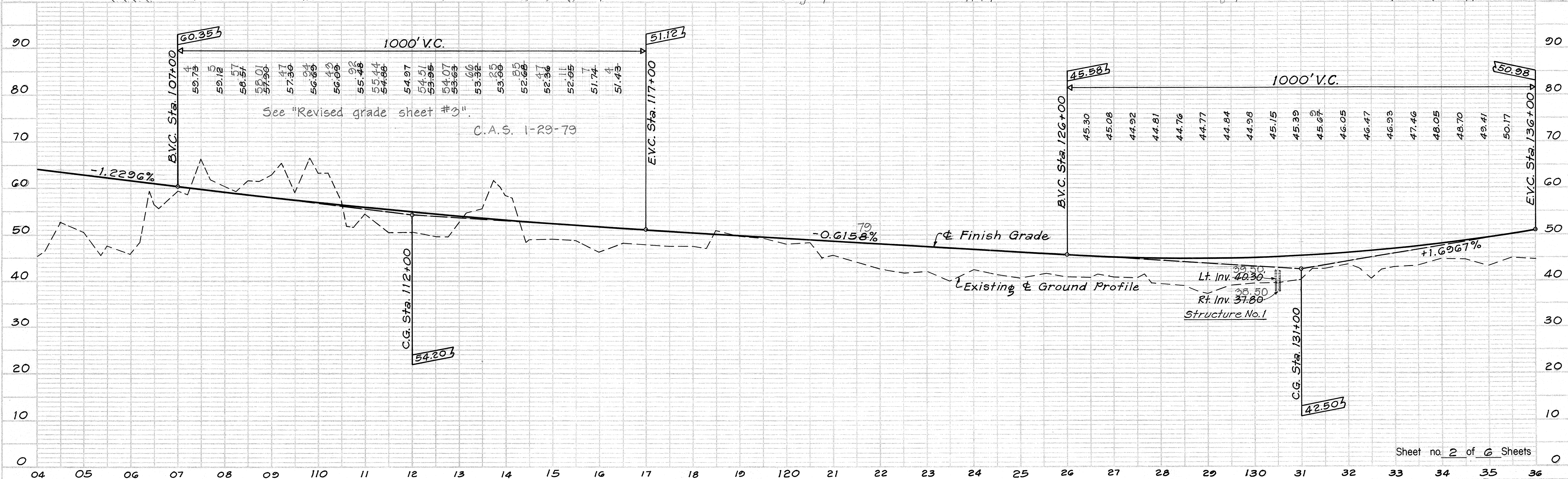
Install 87.0 Lin. Ft., 2 Each 24" Corr.
Metal Pipe, Sheet Thickness 0.109" or
24" Reinf. Conc. Pipe, Class III or
24" Asbestos Cement Pipe, Class III
w/ 6x6" Inlet and Outlet Structures.
For Details, See Sheet No. 19.

P.O.C. Sta. 132+71.76
Install Centerline Monument.

PLAN	DATE
SUBMITTED	
NOTED	
NOTES	
BY	



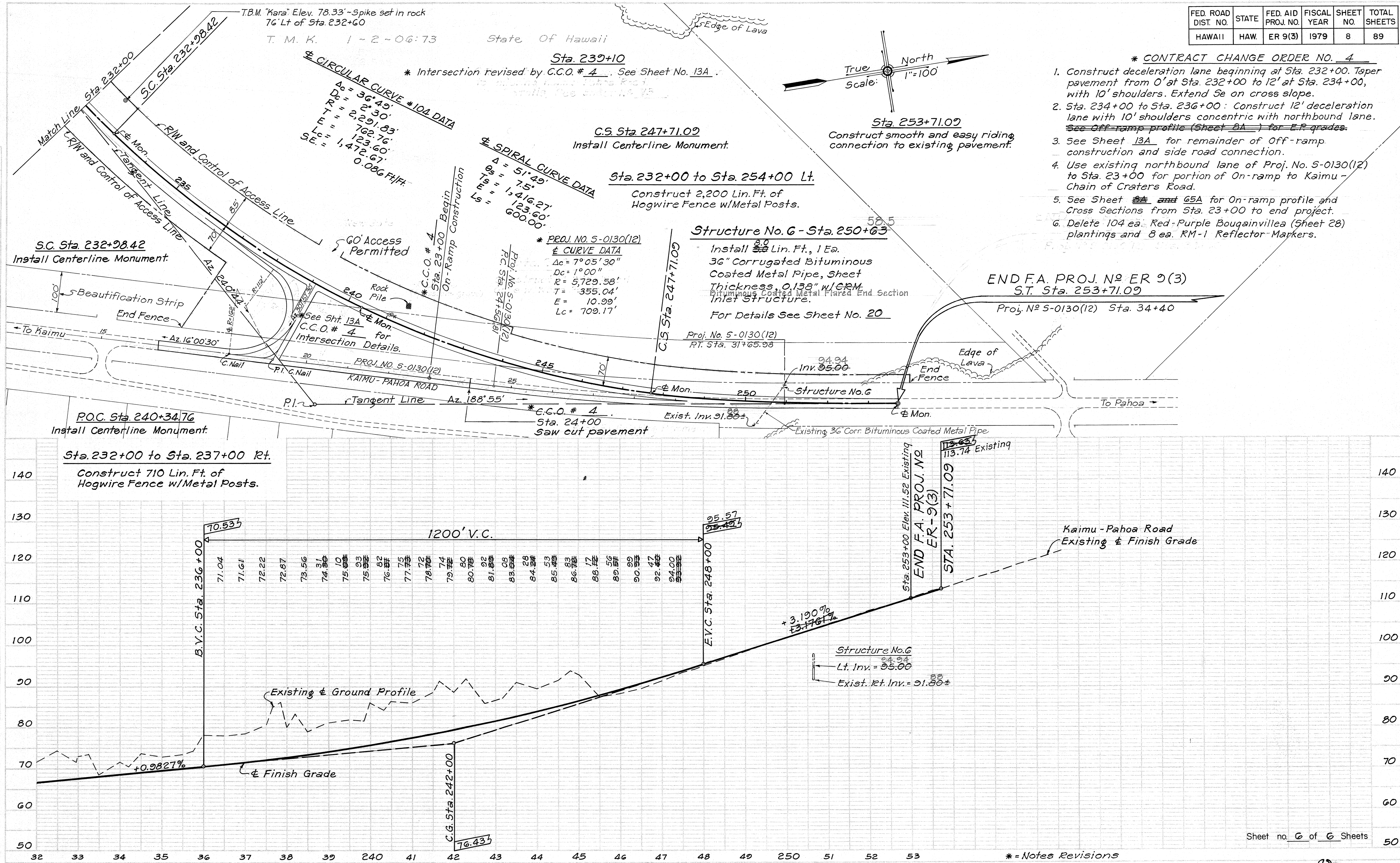
PROFILE	DATE
SUBMITTED	
NOTED	
NOTES	
BY	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER 9(3)	1979	8	89

PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

PROFILE	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	



- * **CONTRACT CHANGE ORDER NO. 4**
1. Construct deceleration lane beginning at Sta. 232+00. Taper pavement from 0' at Sta. 232+00 to 12' at Sta. 234+00, with 10' shoulders. Extend 5e on cross slope.
 2. Sta. 234+00 to Sta. 236+00: Construct 12' deceleration lane with 10' shoulders concentric with northbound lane. See Off-ramp profile (Sheet 8A) for E.P. grades.
 3. See Sheet 13A for remainder of Off-ramp construction and side road connection.
 4. Use existing northbound lane of Proj. No. S-0130(12) to Sta. 23+00 for portion of On-ramp to Kaimu - Chain of Craters Road.
 5. See Sheet 6A and 65A for On-ramp profile and Cross Sections from Sta. 23+00 to end project.
 6. Delete 104 ea. Red-Purple Bougainvillea (Sheet 28) plantings and 8 ea. RM-1 Reflector Markers.

END F.A. PROJ. N^o ER 9(3)
S.T. Sta. 253+71.09

Proj. N^o S-0130(12) Sta. 34+40

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-9(3)	1979	8A	

DATE	BY	SURVEYED	NOTED	TEMP.	AREAS CHECKED
FINAL SURVEY NOTE BOOK NO.					

DATE	BY	SURVEYED	NOTED	TEMP.	AREAS CHECKED
ORIGINAL SURVEY NOTE BOOK NO.					

