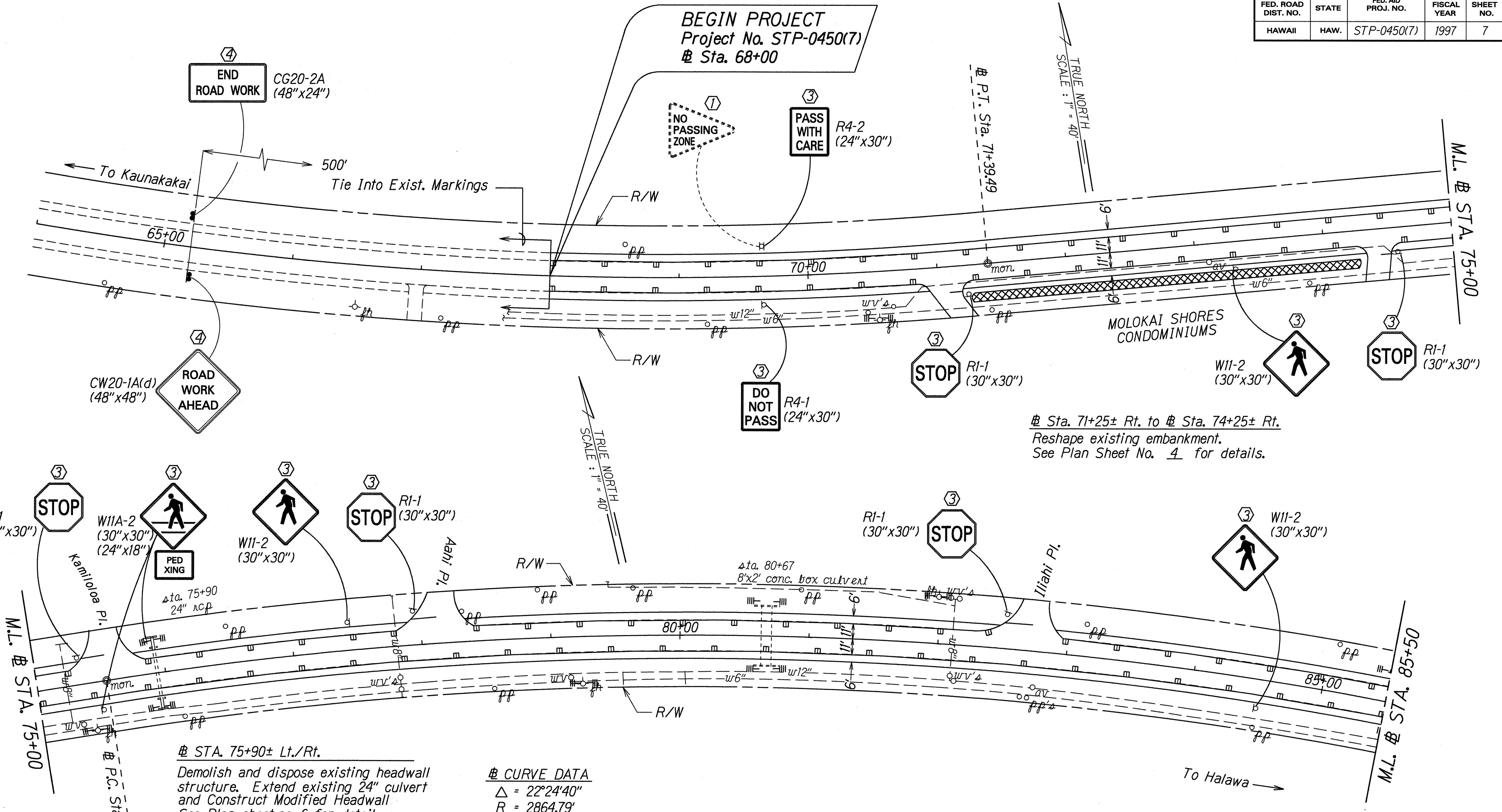


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0450(7)	1997	7	13



@ STA. 75+90± Lt./Rt.
 Demolish and dispose existing headwall structure. Extend existing 24" culvert and Construct Modified Headwall. See Plan sheet no. 6 for detail. Grade surrounding area to drain to new inlet.

@ CURVE DATA
 $\Delta = 22^\circ 24' 40''$
 $R = 2864.79'$
 $T = 567.53'$
 $C = 1113.43'$
 $Lc = 1120.56'$
 $S. E. = 0.02 \text{ ft/ft}$

Estimated Quantities
 Structure Excavation 4.0 C. Y.
 Class A Concrete 4.0 C. Y.
 Ditch & Channel Excav. 5.0 C. Y.
 24" R.C.P. Class III 16.0 L. F.

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Relocate Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

DESIGNED BY	DATE
CHECKED BY	
APPROVED BY	
DATE	
DESIGNED BY	
CHECKED BY	
APPROVED BY	
DATE	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

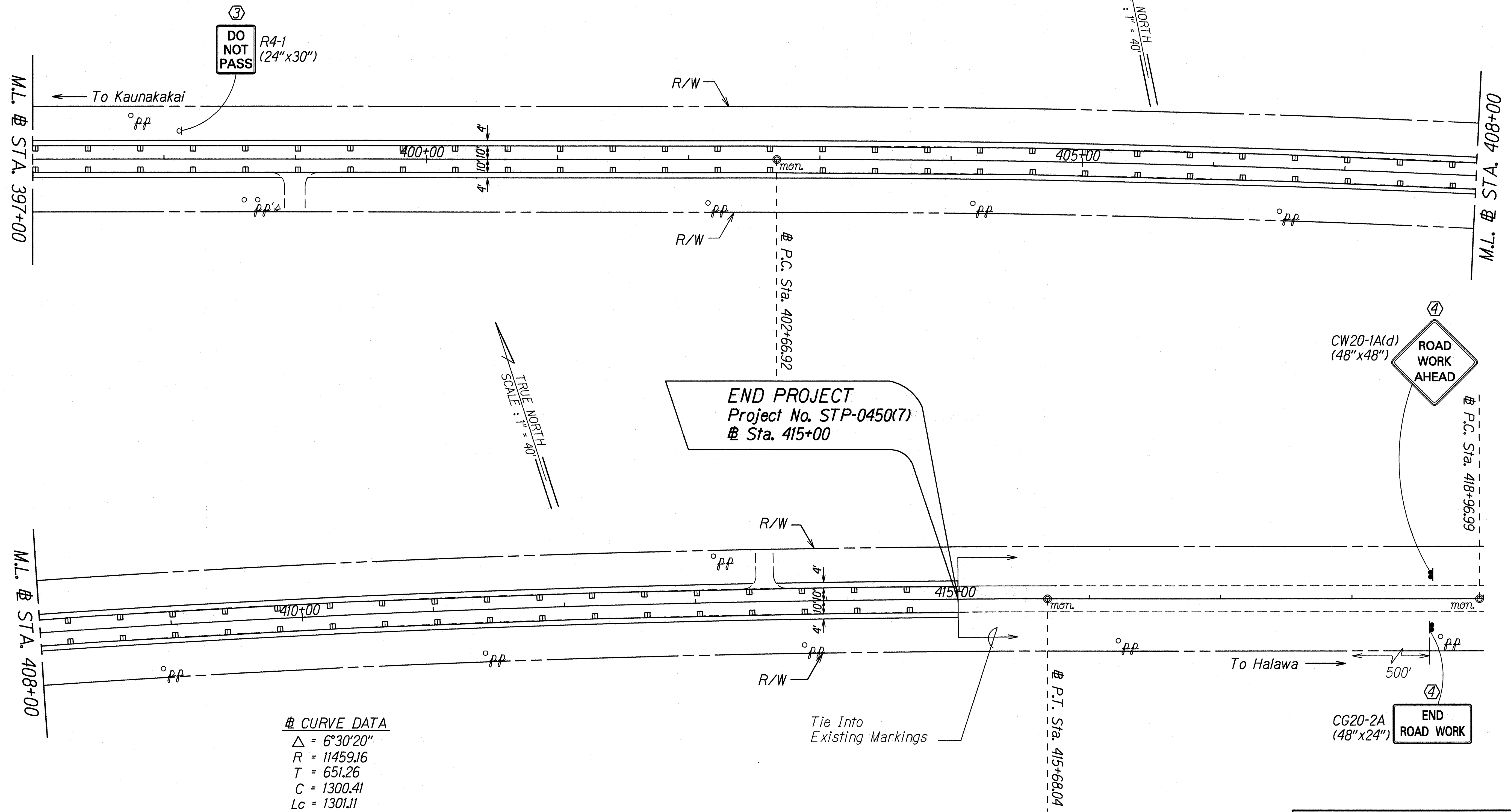
ROADWAY AND SIGNING PLAN

KAMEHAMEHA V HIGHWAY,
 GUARDRAIL & SHOULDER IMPROVEMENTS,
 Kamiloloa to Kapuokoolau
 Federal Aid Project No. STP-0450(7)

Scale: 1" = 40' Date: March, 1997

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0450(7)	1997	10	13



② CURVE DATA
 $\Delta = 6^{\circ}30'20''$
 $R = 11459.16$
 $T = 651.26$
 $C = 1300.41$
 $Lc = 1301.11$
 $S. E. = 0.015 \text{ ft/ft}$

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Relocate Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY AND SIGNING PLAN

KAMEHAMEHA V HIGHWAY,
GUARDRAIL & SHOULDER IMPROVEMENTS,
Kamiloloa to Kapukoolau
Federal Aid Project No. STP-0450(7)

Scale: 1" = 40' Date: March, 1997

SHEET No. 4 OF 4 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	