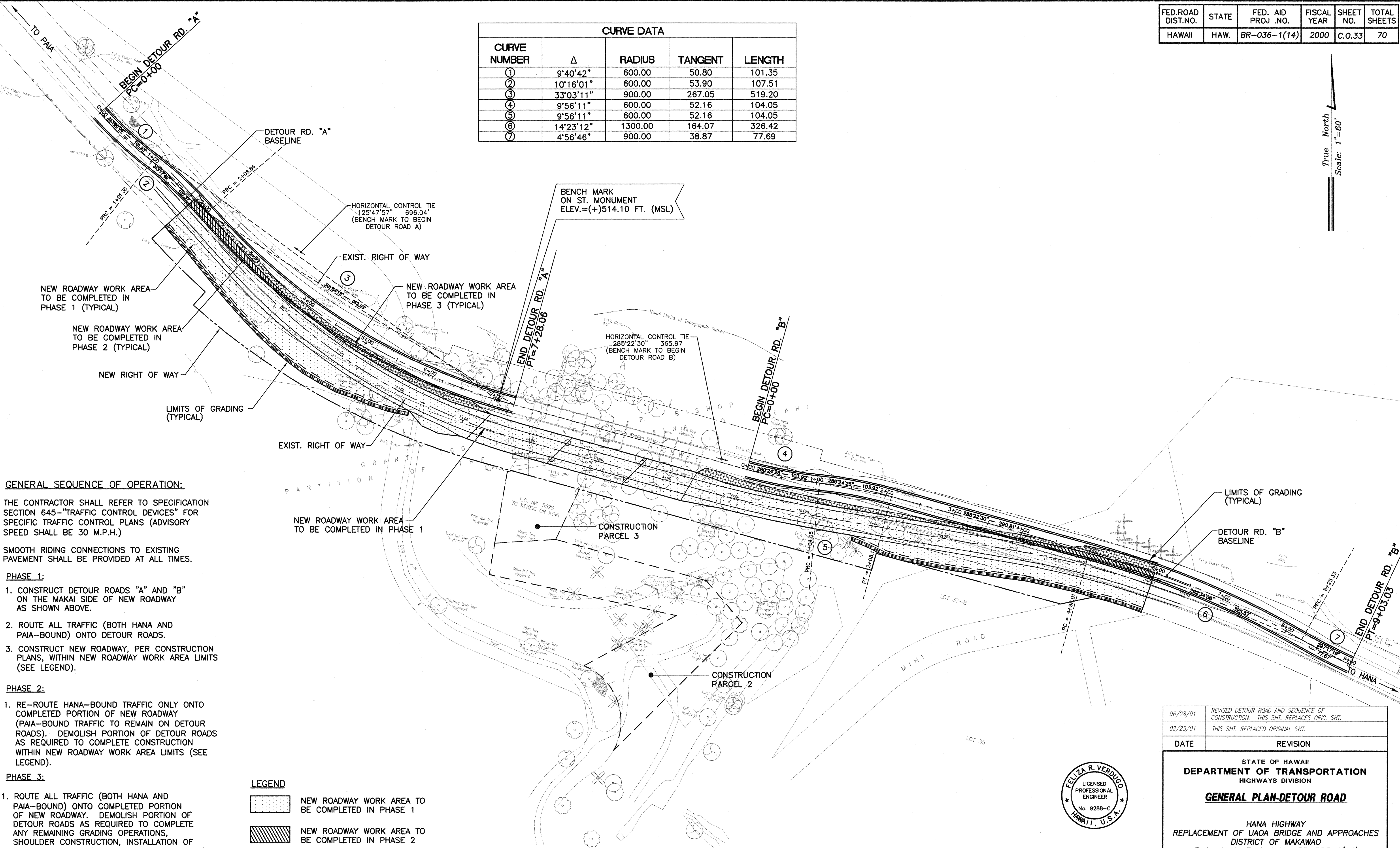


FED.ROAD DIST.NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-036-1(14)	2000	C.O.33	70

CURVE DATA				
CURVE NUMBER	Δ	RADIUS	TANGENT	LENGTH
①	9°40'42"	600.00	50.80	101.35
②	10°16'01"	600.00	53.90	107.51
③	33°03'11"	900.00	267.05	519.20
④	9°56'11"	600.00	52.16	104.05
⑤	9°56'11"	600.00	52.16	104.05
⑥	14°23'12"	1300.00	164.07	326.42
⑦	4°56'46"	900.00	38.87	77.69

True North
Scale: 1"=60'



GENERAL SEQUENCE OF OPERATION:

THE CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 645-"TRAFFIC CONTROL DEVICES" FOR SPECIFIC TRAFFIC CONTROL PLANS (ADVISORY SPEED SHALL BE 30 M.P.H.)

SMOOTH RIDING CONNECTIONS TO EXISTING PAVEMENT SHALL BE PROVIDED AT ALL TIMES.

PHASE 1:

1. CONSTRUCT DETOUR ROADS "A" AND "B" ON THE MAKAI SIDE OF NEW ROADWAY AS SHOWN ABOVE.
2. ROUTE ALL TRAFFIC (BOTH HANA AND PAIA-BOUND) ONTO DETOUR ROADS.
3. CONSTRUCT NEW ROADWAY, PER CONSTRUCTION PLANS, WITHIN NEW ROADWAY WORK AREA LIMITS (SEE LEGEND).

PHASE 2:

1. RE-ROUTE HANA-BOUND TRAFFIC ONLY ONTO COMPLETED PORTION OF NEW ROADWAY (PAIA-BOUND TRAFFIC TO REMAIN ON DETOUR ROADS). DEMOLISH PORTION OF DETOUR ROADS AS REQUIRED TO COMPLETE CONSTRUCTION WITHIN NEW ROADWAY WORK AREA LIMITS (SEE LEGEND).

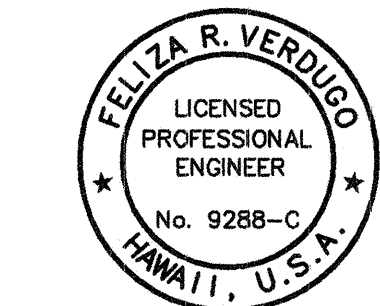
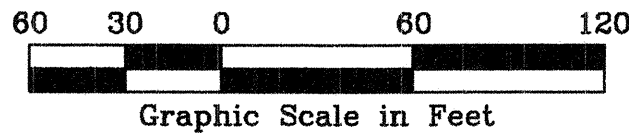
PHASE 3:

1. ROUTE ALL TRAFFIC (BOTH HANA AND PAIA-BOUND) ONTO COMPLETED PORTION OF NEW ROADWAY. DEMOLISH PORTION OF DETOUR ROADS AS REQUIRED TO COMPLETE ANY REMAINING GRADING OPERATIONS, SHOULDER CONSTRUCTION, INSTALLATION OF GUARDRAILS, ETC. (PER CONSTRUCTION PLANS) WITHIN NEW ROADWAY WORK AREA LIMITS (SEE LEGEND).

LEGEND

- NEW ROADWAY WORK AREA TO BE COMPLETED IN PHASE 1
- NEW ROADWAY WORK AREA TO BE COMPLETED IN PHASE 2
- NEW ROADWAY WORK AREA TO BE COMPLETED IN PHASE 3

GENERAL PLAN-DETOUR ROAD
SCALE: 1"=60'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Felisa R. Verugo
REGISTERED PROFESSIONAL ENGINEER
HAWAII, U.S.A.

DATE	REVISION
06/28/01	REVISED DETOUR ROAD AND SEQUENCE OF CONSTRUCTION. THIS SHT. REPLACES ORIG. SHT.
02/23/01	THIS SHT. REPLACES ORIGINAL SHT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL PLAN-DETOUR ROAD

HANA HIGHWAY
REPLACEMENT OF UAOA BRIDGE AND APPROACHES
DISTRICT OF MAKAWAO
Federal-Aid Project No. BR-036-1(14)

Scale: As Noted Date: May, 1999
SHEET No. C-31 OF 42 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-036-1(14)	2000	70	70

CURVE DATA					
①	②	③	④	⑤	⑥
$\Delta = 07^{\circ}34'37''$	$\Delta = 07^{\circ}34'37''$	$\Delta = 21^{\circ}47'07''$	$\Delta = 10^{\circ}20'49''$	$\Delta = 05^{\circ}19'59''$	$\Delta = 08^{\circ}05'27''$
$\Delta/2 = 03^{\circ}47'18.5''$	$\Delta/2 = 03^{\circ}47'18.5''$	$\Delta/2 = 10^{\circ}53'33.5''$	$\Delta/2 = 05^{\circ}10'24.5''$	$\Delta/2 = 02^{\circ}39'59.5''$	$\Delta/2 = 04^{\circ}02'43.5''$
$R = 600.00'$	$R = 600.00'$	$R = 950.00'$	$R = 600.00'$	$R = 600.00'$	$R = 600.00'$
$T = 39.73'$	$T = 39.73'$	$T = 182.82'$	$T = 54.32'$	$T = 27.94'$	$T = 42.43'$
$L = 79.35'$	$L = 79.35'$	$L = 361.21'$	$L = 108.35'$	$L = 55.85'$	$L = 84.73'$

True North
Scale: 1"=60'

DELETED

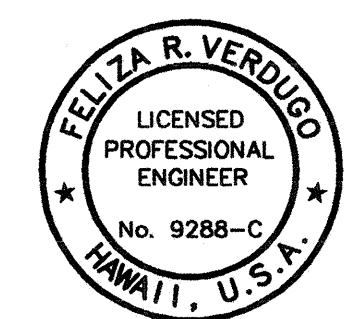
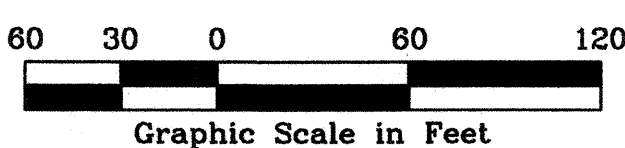
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

Job: 97-34 File: CO-GEN-DETOUR2.DWG Disk: UAOA(ESH-1) Plot: 1=60 Date: 02/23/01 FY

LEGEND

WORK AREA

GENERAL PLAN-DETOUR ROAD PHASE 2
SCALE: 1"=60'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Feliza R. Verdugo
ENGINEERS SURVEYORS HAWAII, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL PLAN-DETOUR ROAD PHASE 2

HANA HIGHWAY
REPLACEMENT OF UAOA BRIDGE AND APPROACHES
DISTRICT OF MAKAWA
Federal-Aid Project No. BR-036-1(14)

Scale: As Noted Date: May, 2000

SHEET No. C-32 OF 42 SHEETS