




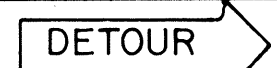


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-RF-031-1(6)	1978	79	262

GENERAL NOTES CONSTRUCTION PHASING AND TEMPORARY SIGNING

- ALL SERVICE FROM EXISTING UTILITIES THAT ARE TO REMAIN OR ARE TO BE RELOCATED SHALL BE MAINTAINED AT ALL TIMES, UNLESS SPECIAL APPROVAL IS OBTAINED FROM THE ENGINEER FOR THE TEMPORARY DISCONTINUANCE OF SERVICE.
- THE CONTRACTOR SHALL FOLLOW THE ORDER OF CONSTRUCTION DETOUR PHASING AS SHOWN ON THE PLANS. HOWEVER, PHASING MAY OVERLAP AND CONTRACT ITEMS OF WORK INVOLVED IN EACH PHASING MAY BE CONSTRUCTED AT ANY TIME AS LONG AS THE DETOUR PHASING IS NOT AFFECTED. ANY REQUEST FOR ADJUSTMENT OF SEQUENCING OR PHASING MUST BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTIES AFFECTED BY CONSTRUCTION AT ALL TIMES UNTIL A PERMANENT REPLACEMENT ACCESS IS PROVIDED BY TIMELY CONSTRUCTION OF EACH PHASE OF THE WORK.
- CONSTRUCTION OF TEMPORARY PAVEMENT SECTION AND DETOUR ROAD STRIPING SHALL BE PAID FOR UNDER APPLICABLE CONTRACT ITEMS. PAVEMENT USED FOR TEMPORARY DETOURING OF TRAFFIC SHALL BE CONSTRUCTED AS SHOWN IN THE CONSTRUCTION DETOUR PLAN.
- TEMPORARY TRAFFIC AND DESTINATION SIGNS, BARRICADES, AND OTHER RELATED WORK SHOWN ON THE PLANS SHALL BE PAID FOR UNDER APPLICABLE CONTRACT ITEMS.
- ALL RELOCATIONS AND REMOVAL OF TEMPORARY WARNING, REGULATORY, CONSTRUCTION AND MAINTENANCE SIGNS POSTS AND BARRICADES BETWEEN PHASES ARE TO BE CONSIDERED AS INCIDENTAL TO THE APPLICABLE CONTRACT ITEMS OF WORK.
- UNLESS NOTED OTHERWISE, EXACT LOCATIONS OF SIGNS, AND BARRICADES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE SHAPE, COLOR, DIMENSIONS, SYMBOLS, WORDING, LETTERING AND REFLECTORIZING OF ALL TEMPORARY WARNING, REGULATORY, CONSTRUCTION AND MAINTENANCE SIGNS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS", DATED 1971, AS AMENDED.
- THE CONTRACTOR SHALL TAKE EXTRA PRECAUTION AGAINST DAMAGING THE EXISTING UTILITIES WHILE CONSTRUCTING THE DETOUR ROAD. ANY DAMAGES TO THE EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR EXPENSE.
- PROVIDE SMOOTH RIDING CONNECION TO ALL EXISTING PAVEMENTS.
- THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN BOTH DIRECTIONS AT ALL TIMES ON KIHEI ROAD, MOKULELE HIGHWAY, MOI PLACE, OHUKAI ROAD AND KILOHANA STREET. EXCEPTION MUST BE APPROVED BY THE ENGINEER.
- SCARIFYING AND REMOVAL OF PAVEMENT STRUCTURES AND RESTORING GROUND AND OTHER ITEMS TO ORIGINAL CONDITION, OR FINISH CONDITION AS SHOWN ON THE PLANS UPON COMPLETION OF PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION.
- THE REMOVAL OF EXISTING TRAFFIC CONTROL DEVICES AND THEIR REPLACMENT OR RELOCATION, IF SO CALLED FOR IN THE PLANS, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SIGNS IN GOOD CONDITION DURING LIFE OF PROJECT.
- TEMPORARY PAVEMENT MARKINGS NOT CONFORMING TO THE FINAL MARKINGS AS SHOWN ON THE SIGNING AND PAVEMENT MARKING PLANS SHALL BE REMOVED TO AVOID CONFLICTS WITH PERMANENT PAVEMENT MARKINGS.
- REMOVAL OF TEMPORARY PAVEMENT MARKINGS NOT CONFORMING TO FINAL MARKINGS SHALL BE CONSIDERED INCIDENTAL TO VARIOUS ITEMS OF WORK.

CONSTRUCTION PHASING AND TEMPORARY SIGNING SUMMARY

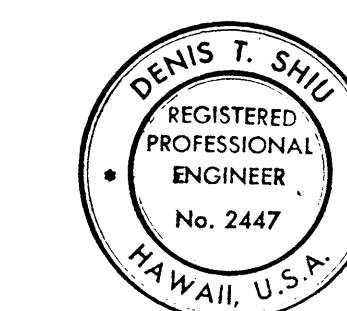
TYPE	DESCRIPTION	QUANTITY	
		W/ POST	W/O POST
CR4-7B	KEEP RIGHT	2	
R11-2	ROAD CLOSED	1	6
CW1-2R		5	
CW1-2L		6	
CW1-3R		2	
CW1-3L		2	
CW13-1(15)	SPEED LIMIT		12
CW20-1a	ROAD CONSTRUCTION 1500 FT.	3	
CW20-1b	ROAD CONSTRUCTION 1000 FT.	3	
CW20-1d	ROAD CONSTRUCTION AHEAD	8	
CW20-2d	DETOUR AHEAD	4	
CG20-2	END CONSTRUCTION	10	
CM4-10L		3	
CM4-10R		3	

	QUANTITY	UNIT
DELINEATORS FOR DETOUR	225	Ea.
CLASS I BARRICADE	24	Ea.
PAVEMENT STRIPING	15,280	L.F.

DETOUR ROADWAY QUANTITIES

	QUANTITY	UNIT
1 1/2" A.C. PAVEMENT MIX V	275	Ton
6" AGGREGATE BASE COURSE	445	C.Y.
PRIME COAT MC-30	1,040	Gal.

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Denis T. Shiu

10-10-78 Revised Construction Phasing and Temporary Signing Summary

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

CONSTRUCTION PHASING & TEMPORARY SIGNING




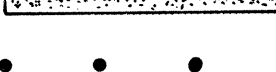
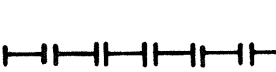
PIILANI HIGHWAY
VICINITY OF MOKULELE HIGHWAY TO VICINITY OF KILOHANA STREET
F.A. PROJECT NO. F-RF-031-1(6)

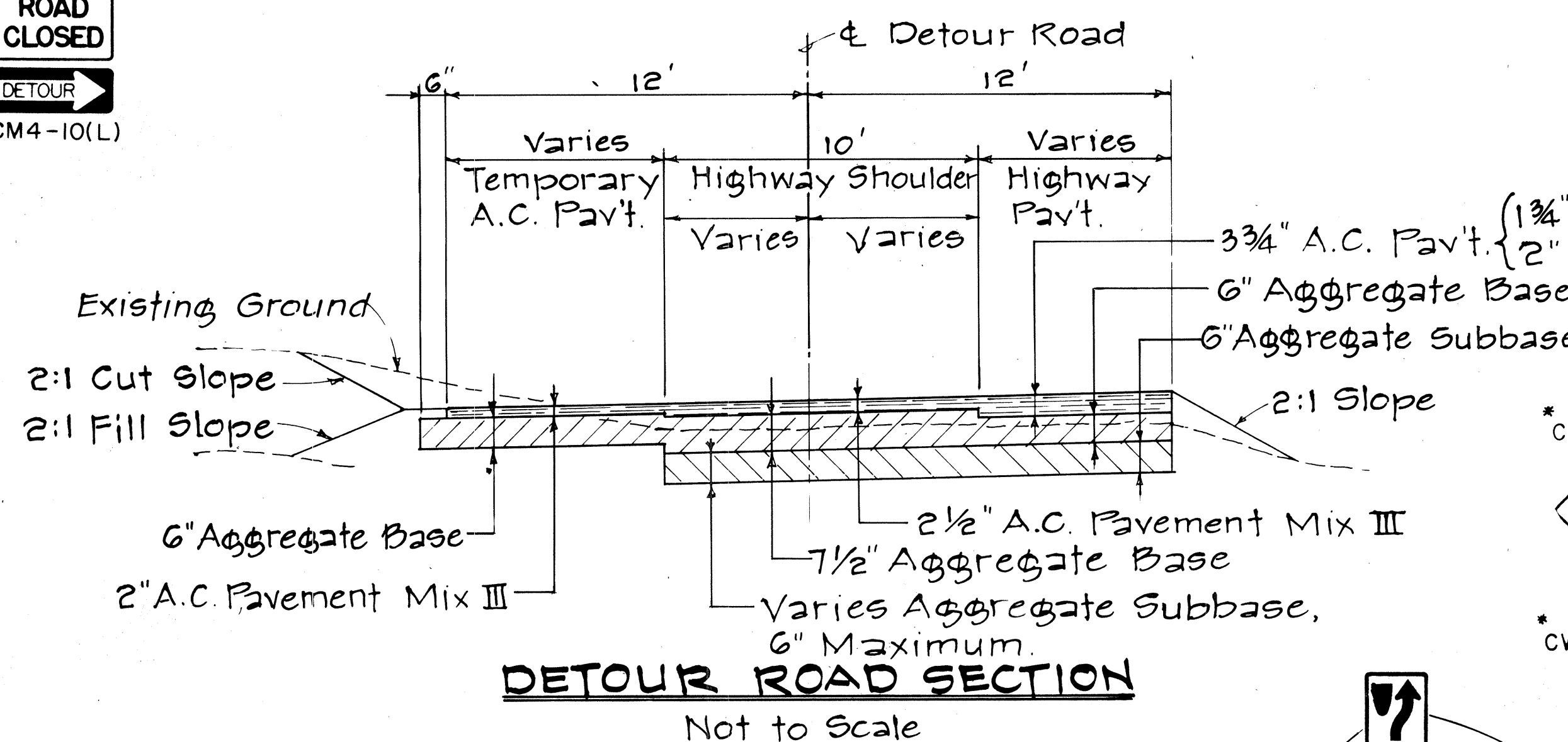
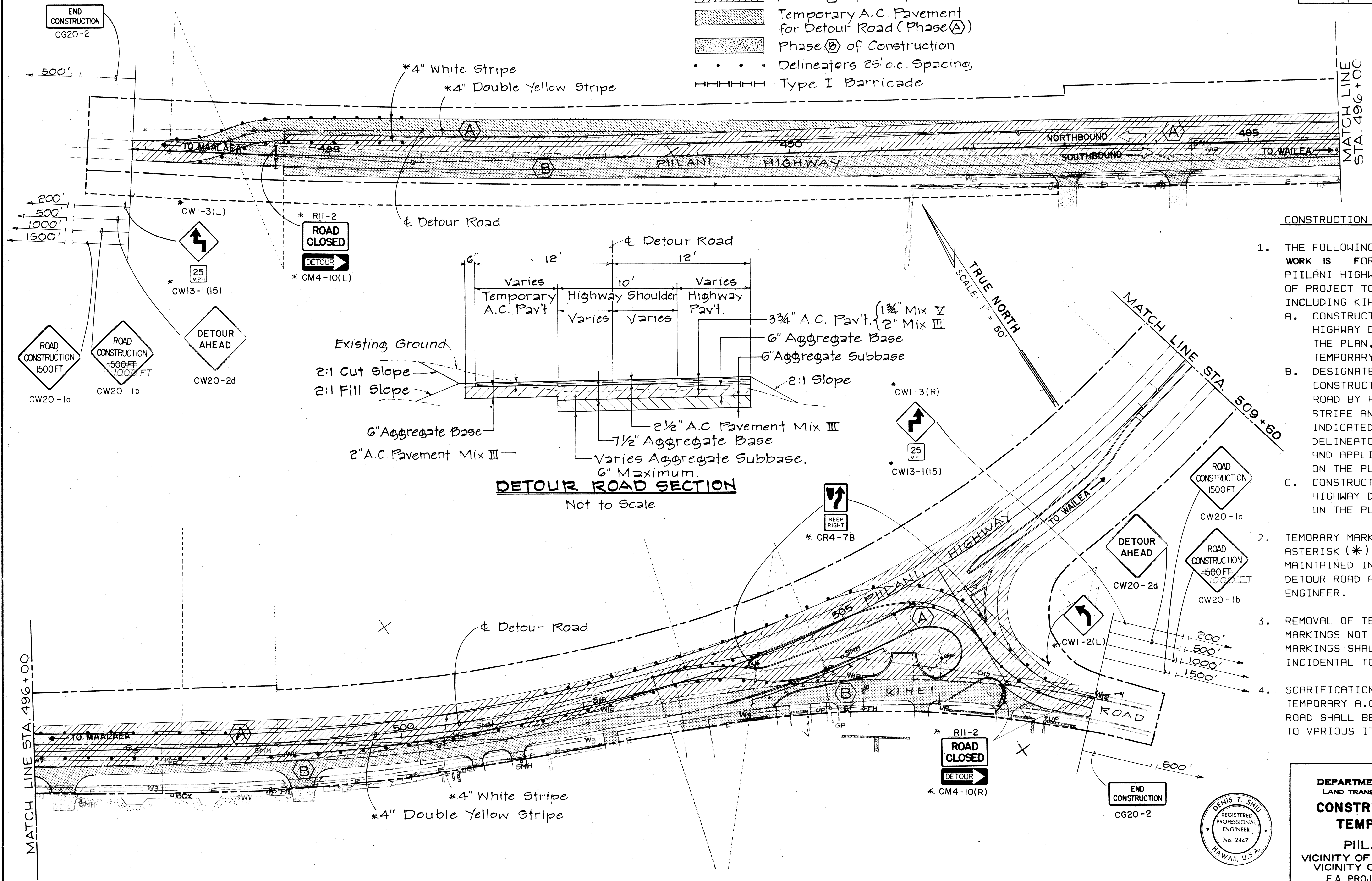
SCALE: AS SHOWN DATE SEP 1978

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-RF-031-1(6)	1978	80	262

LEGEND

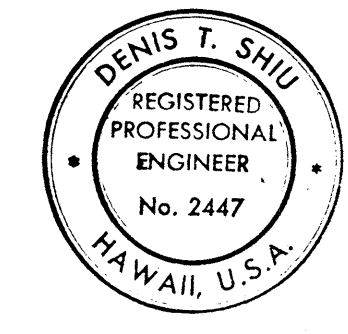
-  Phase (A) of Construction
-  Temporary A.C. Pavement for Detour Road (Phase (A))
-  Phase (B) of Construction
-  Delineators 25' o.c. Spacing
-  Type I Barricade



CONSTRUCTION DETOUR PHASING NOTES

1. THE FOLLOWING SEQUENCE OF WORK IS FOR THE CONSTRUCTION OF PII'LANI HIGHWAY FROM THE BEGINNING OF PROJECT TO BASELINE STA. 503+00± INCLUDING KIHAI ROAD INTERSECTION.
 - A. CONSTRUCT PORTION OF PII'LANI HIGHWAY DESIGNATED AS PHASE (A) ON THE PLAN, INCLUDING THE TEMPORARY PAVEMENT.
 - B. DESIGNATE PORTION OF THE CONSTRUCTED ROADWAY AS DETOUR ROAD BY PAINTING 4" WHITE STRIPE AND 4" DOUBLE YELLOW AS INDICATED ON THE PLAN. INSTALL DELINEATORS, CLASS I BARRICADES AND APPLICABLE SIGNS AS SHOWN ON THE PLANS.
 - C. CONSTRUCT PORTION OF PII'LANI HIGHWAY DESIGNATED AS PHASE (B) ON THE PLAN.
2. TEMPORARY MARKINGS AND SIGNINGS WITH ASTERISK (*) SHALL BE INSTALLED AND MAINTAINED IN CONJUNCTION WITH THE DETOUR ROAD AS DIRECTED BY THE ENGINEER.
3. REMOVAL OF TEMPORARY PAVEMENT MARKINGS NOT CONFORMING TO FINAL MARKINGS SHALL BE CONSIDERED INCIDENTAL TO VARIOUS ITEMS OF WORK.
4. SCARIFICATION AND REMOVAL OF TEMPORARY A.C. PAVEMENT ON DETOUR ROAD SHALL BE CONSIDERED INCIDENTAL TO VARIOUS ITEMS OF WORK.

SURVEY PLOTTED BY: _____
 DRAWN BY: _____
 DESIGNED BY: _____
 CHECKED BY: _____
 ORIGINAL PLAN: _____
 NOTE BOOK: _____
 No. _____



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Denis T. Shiu

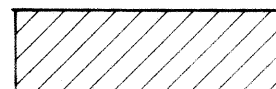



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
CONSTRUCTION PHASING & TEMPORARY SIGNING
 PII'LANI HIGHWAY
 VICINITY OF MOKULELE HIGHWAY TO VICINITY OF KILOHANA STREET
 F.A. PROJECT NO. F-RF-031-1(6)
 SCALE: AS SHOWN DATE SEP 1978
SHEET No. 2 OF 4 SHEETS

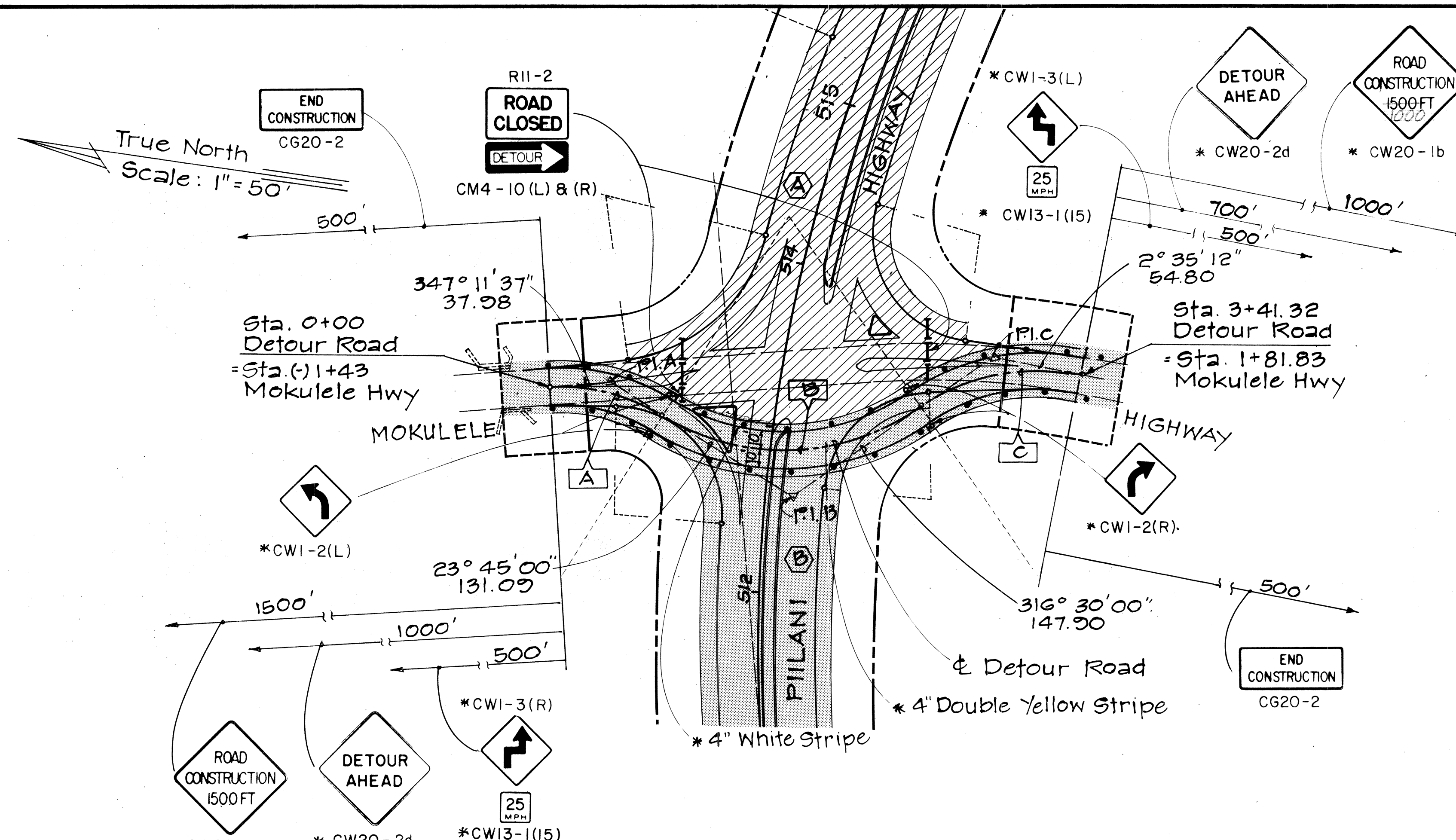
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-RF-031-1(6)	1978	81	262

CONSTRUCTION DETOUR PHASING NOTES:

- The following sequence of work is for the construction of the intersections shown on these plans.
 - Construct Detour Road as shown on plan.
 - Construct portion of Piilani Highway designated as Phase (A).
 - Construct portion of Piilani Highway designated as Phase (B).
 - Scarify and remove A.C. Pavement on Detour Road not conforming to final intersection layout as shown on the Detail Plan of Roadway.
- Temporary markings and signings with asterisk (*) shall be installed and maintained in conjunction with the Detour Road as directed by the Engineer.

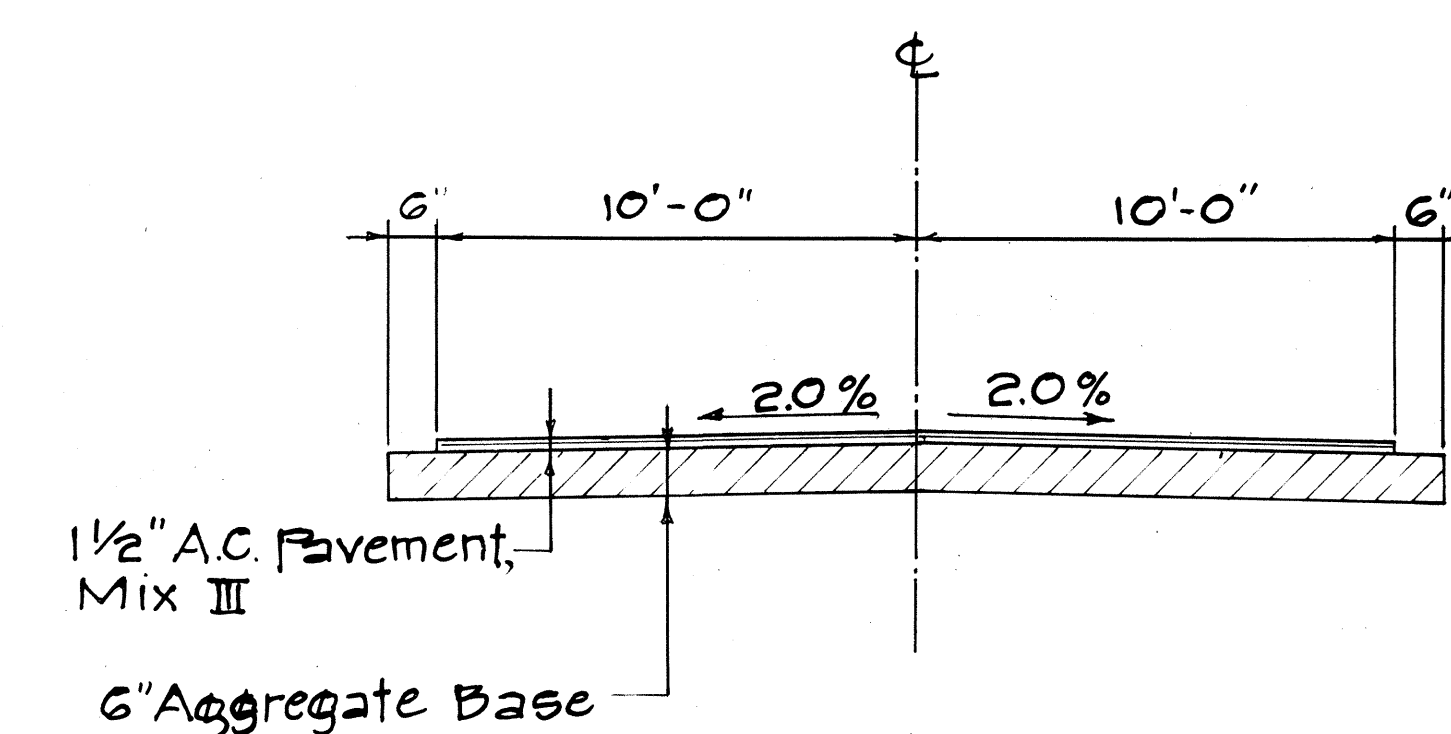
LEGEND

-  Phase (A) of Construction
-  Phase (B) of Construction
-  Delineators at 25' o.c. Spacing
-  Type I Barricade



CONSTRUCTION PHASING AT MOKULELE HWY

Scale: 1" = 50'



TYPICAL DETOUR ROAD SECTION FOR MOKULELE HWY. & MOI PLACE

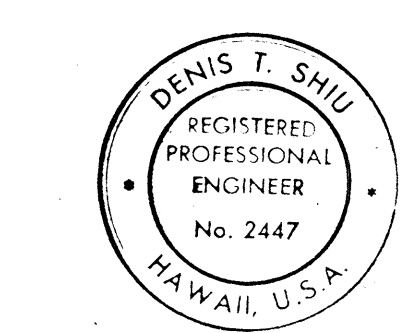
Scale: 1/2" = 1'-0"

DETOUR ROAD QUANTITIES SUMMARY

	MOI PLACE	MOKULELE HWY
1 1/2" A.C. Pavt. Mix III	61 Ton	66 Ton
6" Aggregate Base	132 C.Y.	90 C.Y.
Prime Coat - MC 30	311 Gal.	266 Gal.

CURVE DATA

	A	B	C
Δ	36° 33' 23"	67° 15' 00"	46° 05' 12"
R	115.00'	140.00'	128.82'
T	37.98'	93.10'	54.80'
L	73.37'	164.32'	103.62'
	D	E	F
Δ	30° 19' 43"	29° 30' 00"	30° 40' 17"
R	150.00'	150.00'	143.49'
T	40.65'	88.36'	39.35'
L	79.40'	159.70'	76.81'

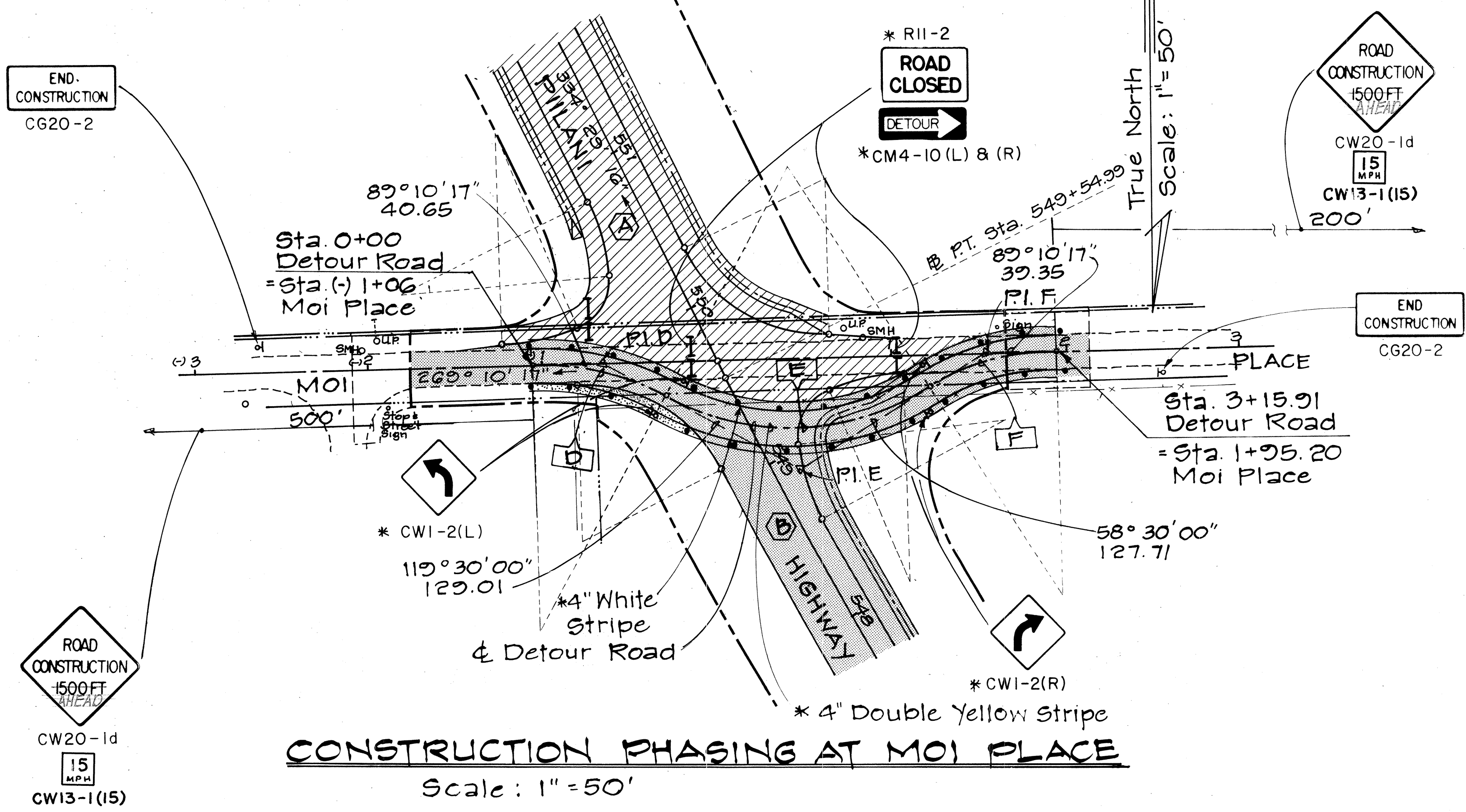


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Denis T. Shiu

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
CONSTRUCTION PHASING & TEMPORARY SIGNING
 PIILANI HIGHWAY
 VICINITY OF MOKULELE HIGHWAY TO VICINITY OF KILOHANA STREET
 F.A. PROJECT NO. F-RF-031-1(6)
 SCALE: AS SHOWN DATE SEP 1978
 SHEET No. 3 OF 4 SHEETS

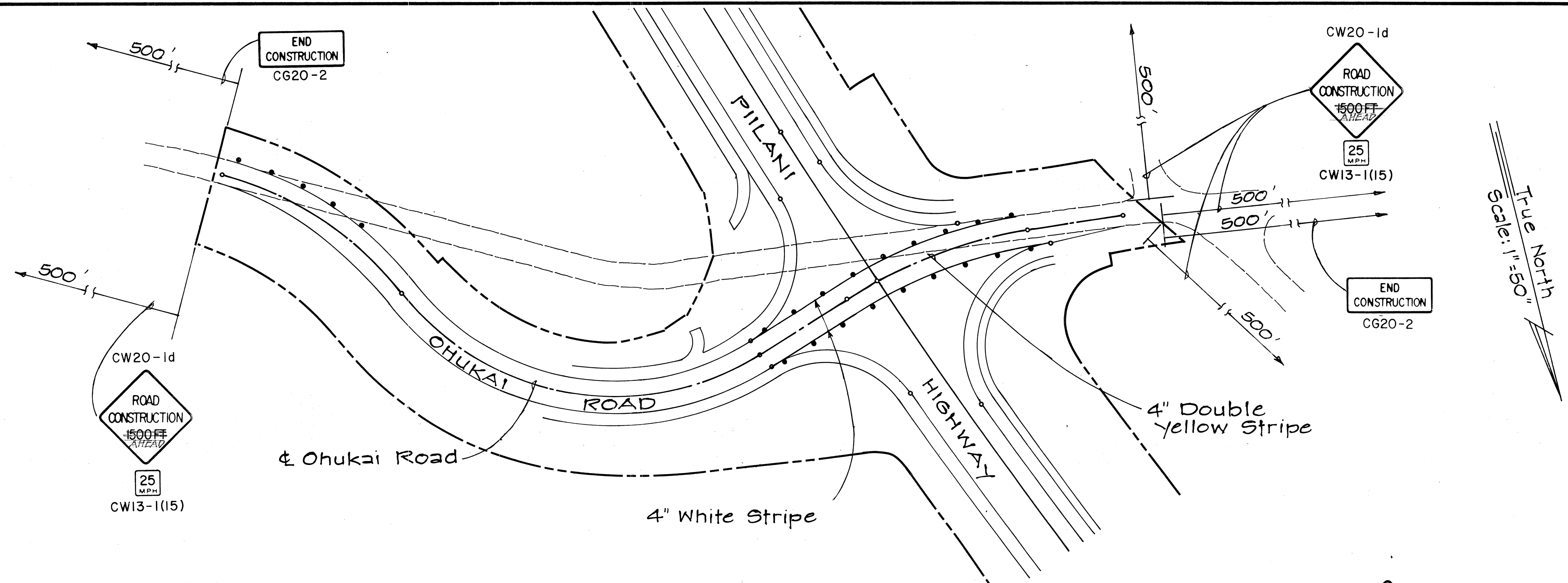
CONSTRUCTION PHASING AT MOI PLACE

Scale: 1" = 50'



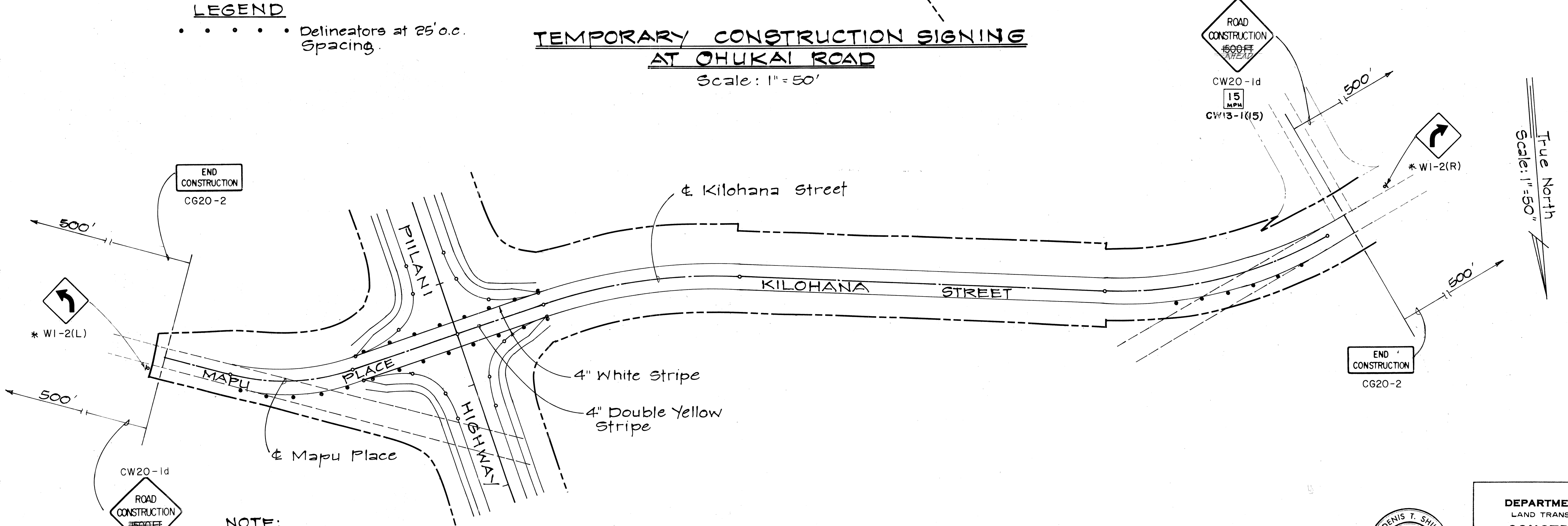
SURVEY PLOTTED BY: _____
 DATE: _____
 DRAWN BY: _____
 TRACED BY: _____
 NOTE BOOK: _____
 QUANTITIES BY: _____
 CHECKED BY: _____
 No. _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-RF-031-1(6)	1978	83	262



LEGEND
 Delineators at 25' o.c. Spacing.

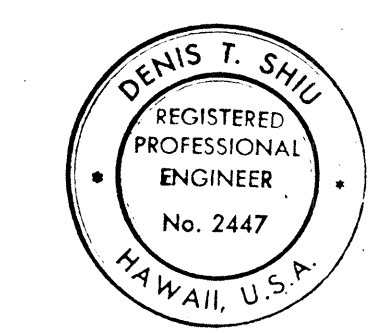
**TEMPORARY CONSTRUCTION SIGNING
 AT OHUKAI ROAD**
 Scale: 1" = 50'



NOTE:
 * Indicates Permanent Sign

**TEMPORARY CONSTRUCTION SIGNING
 AT KILOHANA ST. - MAPU PLACE**
 Scale: 1" = 50'

DATE: _____
 SURVEY PLOTTED BY: _____
 ORIGINAL PLAN: _____
 DRAWN BY: _____
 TRACED BY: _____
 DESIGNED BY: _____
 NOTE BOOK: _____
 CHECKED BY: _____
 No. _____



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Denis T. Shiu

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
**CONSTRUCTION PHASING &
 TEMPORARY SIGNING**
 PIILANI HIGHWAY
 VICINITY OF MOKULELE HIGHWAY TO
 VICINITY OF KILOHANA STREET
 F.A. PROJECT NO. F-RF-031-1(6)
 SCALE: AS SHOWN DATE **SEP** 1978
 SHEET No. 4 OF 4 SHEETS