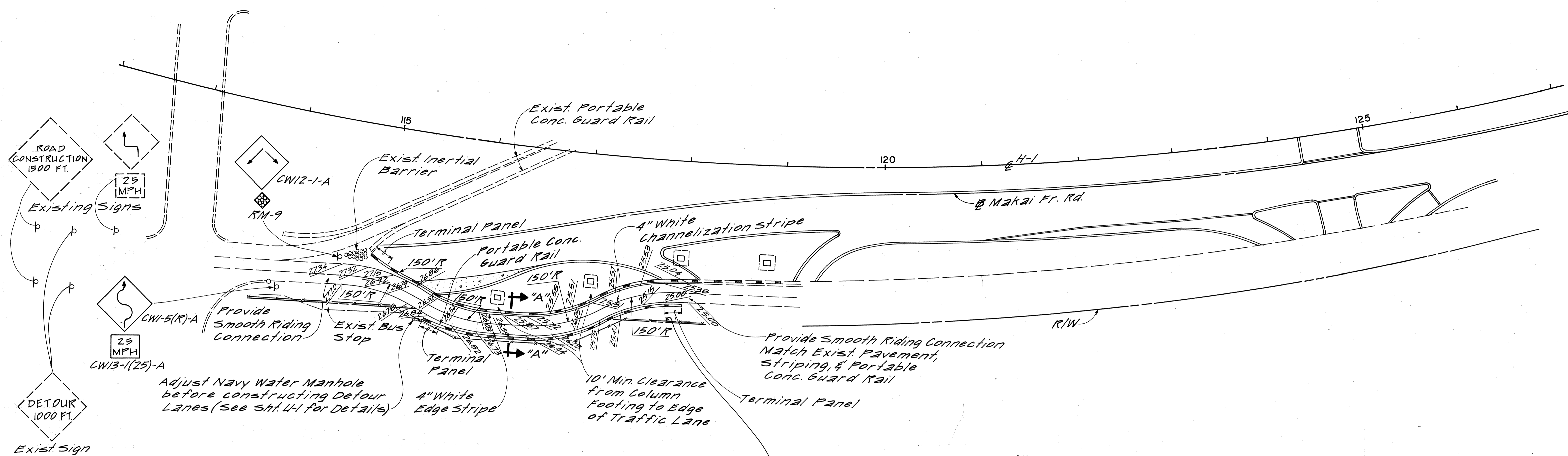


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HI-1(196):16	1979	40	236



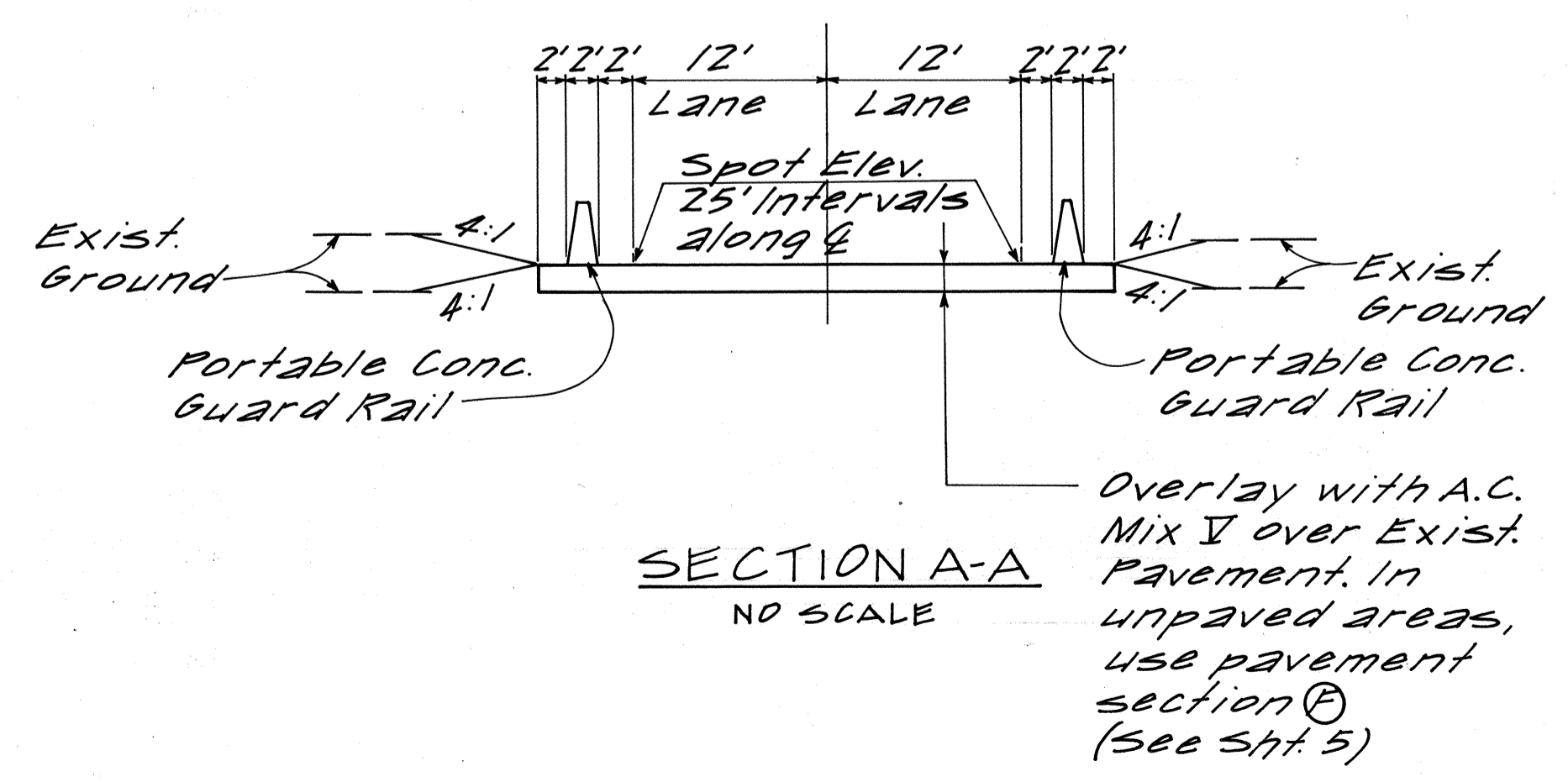
**PHASE I**

6-Foot Chain Link Fence - See Sht's 6 & 7. Install 6-foot Chain Link Fence behind Portable Concrete Guard Rail for Phase I Detour. Reset fence as shown on Sheet 6 at end of Phase I. Cost of resetting fence shall be incidental to Pay Item 607.0060 6-Foot Chain Link Fence with Top Rail and Concrete Footings.

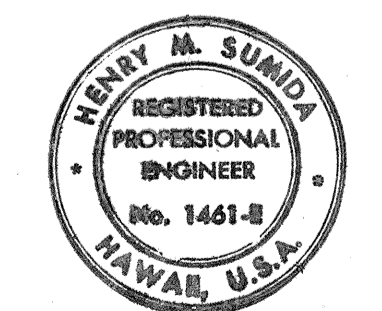
NO.	DATE	REVISION
1	3-22-79	Added Grading Approval Block

**Notes: (All Phases)**

- The contractor shall always maintain 3 Ewa Bound Thru Lanes during peak hours as directed by the Engineer.
- Signing and striping of Makai Frontage Rd. will be the permanent installation as shown on sheets 55-7 and 55-8.
- Remove and store or Reset Signs from Phase I Detour System as directed by the Engineer.
- Remove, store, and/or Reset Exist. Conc. Guard Rails between Sta. 114+25 and 139+00.
- Remove and store Type 3 Guard Rails along Median Viaduct Piers after Phase II is in operation.
- Remove and store Type 3 Single Guard Rail along Mauka Columns at end of Phase III as directed by the Engineer.
- Tubular Traffic Cones will be state furnished.
- Removing and storing signs & guard rail (Type 3 and portable concrete) and installing or resetting tubular traffic cones shall be paid for under Pay Item No. 104.0500, Construction and Maintenance of Detours.
- Maintenance of Elliott St. - Service Road Detour installed as Phase III of F.A.I. Proj. No. I-HI-1(120):16 shall be paid for under Pay Item No. 104.0500.
- The contractor shall submit to the Engineer, for approval, a Traffic Control Plan for each detour change. The Traffic Control Plan shall be in full accordance with FHPM 6-4-2-12.



ORIGINAL PLAN  
 DRAWN BY  
 TRACED BY  
 NOTE BOOK  
 QUANTITIES BY  
 CHECKED BY  
 DATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
*Henry M. Sundt*

APPROVED FOR GRADING ONLY:

*Shannon* 3/29/79  
 CHIEF, DIVISION OF ENGINEERING, DPW DATE

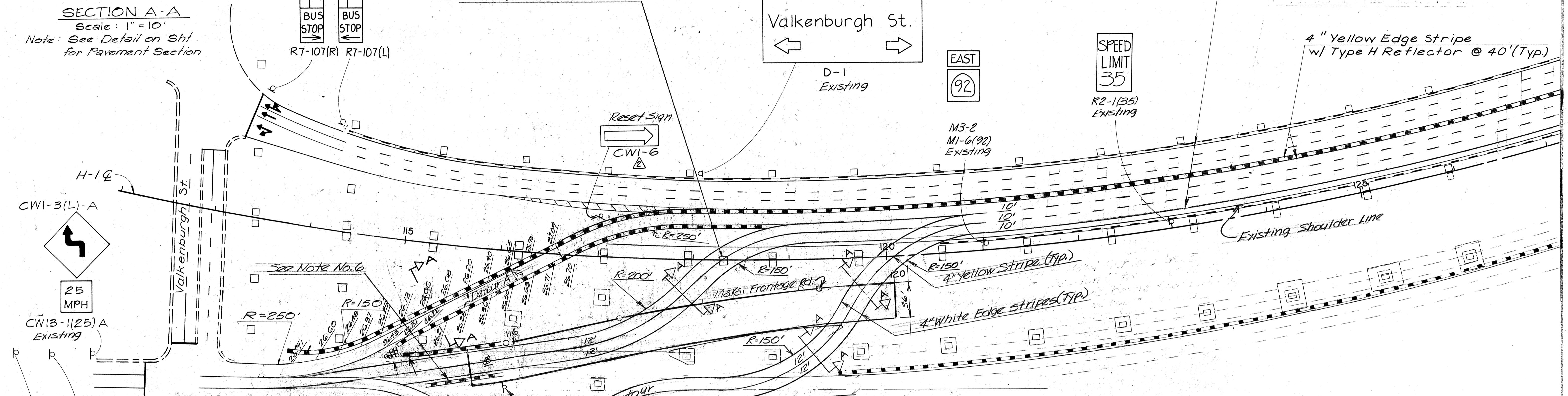
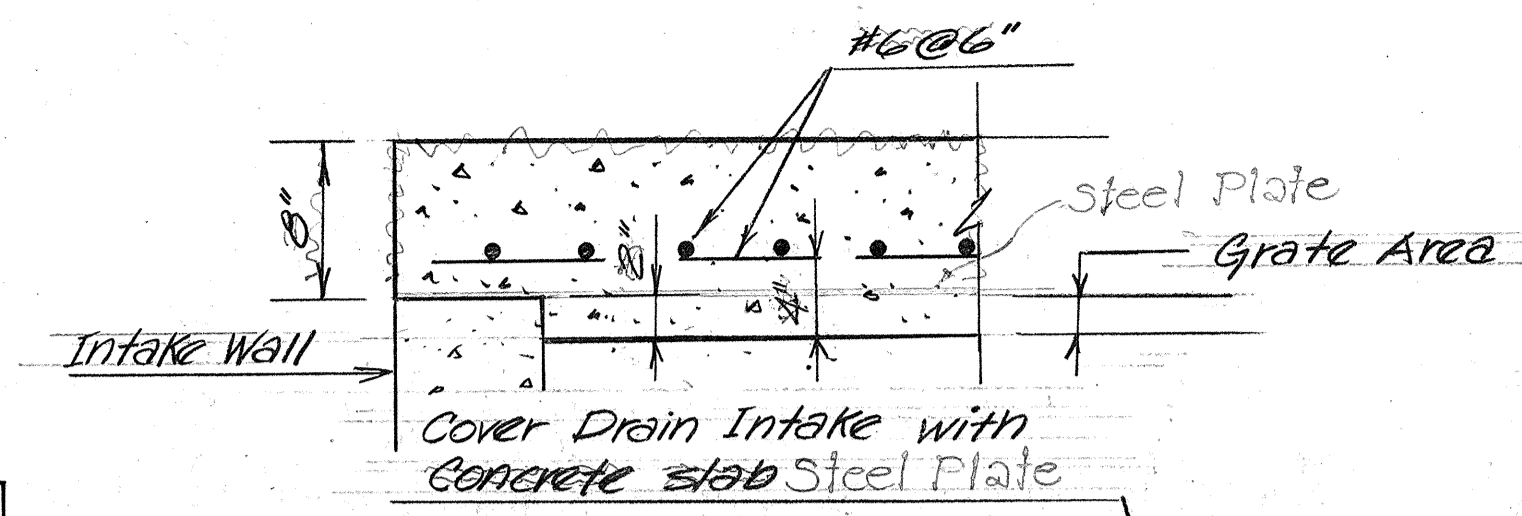
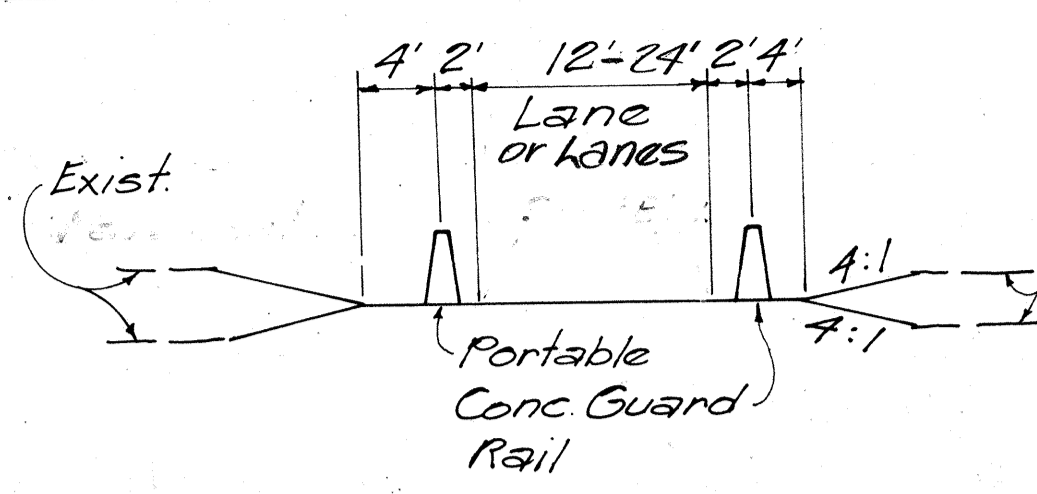
STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 LAND TRANSPORTATION FACILITIES DIVISION

**CONSTRUCTION DETOUR  
 PHASE I**

AIRPORT INTERCHANGE  
 F.A.I. PROJ. NO. I-HI-1(196):16

SCALE: 1"=50' DATE: NOV. 21, 1978  
 SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(156):16	1979	40A	



**NOTES**

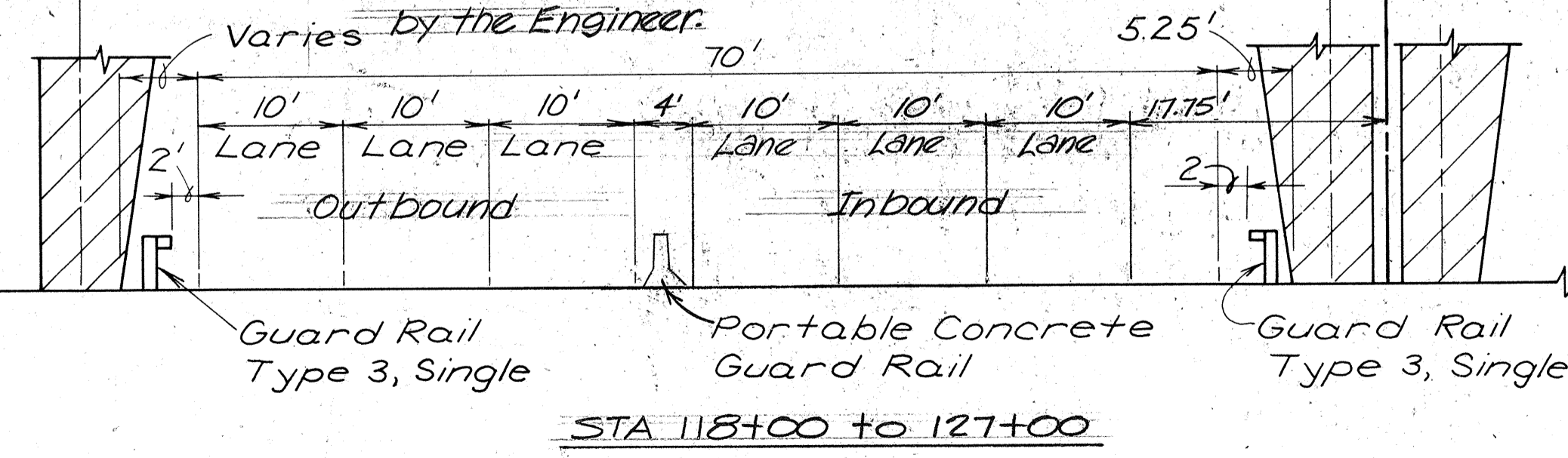
1. Construct a portion of the Makai Frontage Road for detour use - Section C thru 4" A.C. Mix III. (1 1/4" A.C. Mix V to be placed before final striping.) Makai Frontage Road - Sta 115+50 to 120+00.
2. Reset Portable Concrete Guard Rail in median of Makai Frontage Road Detour from Sta 118+00 to Sta 127+00.
3. Remove all existing striping in Detour Areas as required by the Engineer.
4. Reset Portable Concrete Guard Rail along Detours B & C - See Section A-A.
5. Provide a smooth transition from existing Detour to Detours on Frontage Rd. pavement, and from Detours across median area to existing pavement on H-1 on mauka side of H-1 as approved by the Engineer. See Pavement Section this sheet.
6. Reset Portable Conc. Guard Rail along Detours as directed.

**GENERAL NOTES**

1. ALONG THE PRECEDING DETOUR SYSTEM, AT THE MAKAI SIDE OF H-1 RIGHT-OF-WAY (PROJECT I-HI-1(119):16 AND PROJECT I-HI-1(121):16), ALL THE EXISTING SIGNS, GUARD RAIL TYPE 3 SINGLE, PORTABLE CONCRETE GUARD RAIL, PORTABLE CONCRETE TERMINAL PANELS, TRAFFIC CONES TUBULAR, CLASS I BARRICADES AND CUSHION BARRIERS CELLS WILL BE AVAILABLE FOR USE IN CONSTRUCTING THE DETOUR SYSTEM.
2. ALL REUSABLE MATERIALS, AS DIRECTED BY THE ENGINEER, SHALL BE RESET IN LOCATIONS AS SHOWN ON THE PLANS. ALL ADDITIONAL MATERIALS REQUIRED TO COMPLETE THE DETOUR SHALL BE CONTRACTOR FURNISHED.
3. ALL UNUSED MATERIALS ALONG PRECEDING DETOUR SHALL BE REMOVED AND STORED AS DIRECTED BY THE ENGINEER. REMOVING AND HAULING OF UNUSED MATERIALS SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS.

**LEGEND**

- GUARD RAIL TYPE 3 SINGLE
- PORTABLE CONCRETE GUARD RAIL
- ▲ TRAFFIC CONES TUBULAR  
50' INTERVALS ON TANGENT  
25' INTERVALS ON CURVE
- 10' 30' 10' 4-INCH WHITE LANE STRIPE WITH TYPE C REFLECTOR
- ← PAVEMENT ARROW
- NEW OR RESET SIGN



**PAVEMENT SECTION FOR DETOUR CONNECTIONS**

- 2 1/2" A.C. Mix III
- MC-50 Liquid Asphalt for Prime Coat
- 6" Aggregate Base
- 12" Aggregate Subbase

SURVEY PLOTTED BY: DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 TRACED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 NOTE BOOK No. \_\_\_\_\_

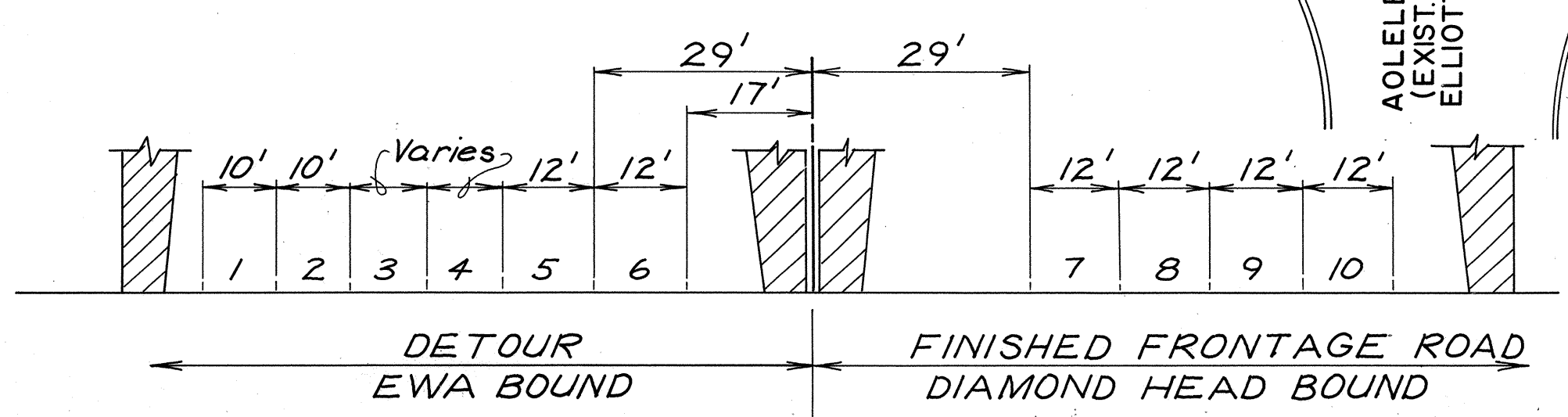
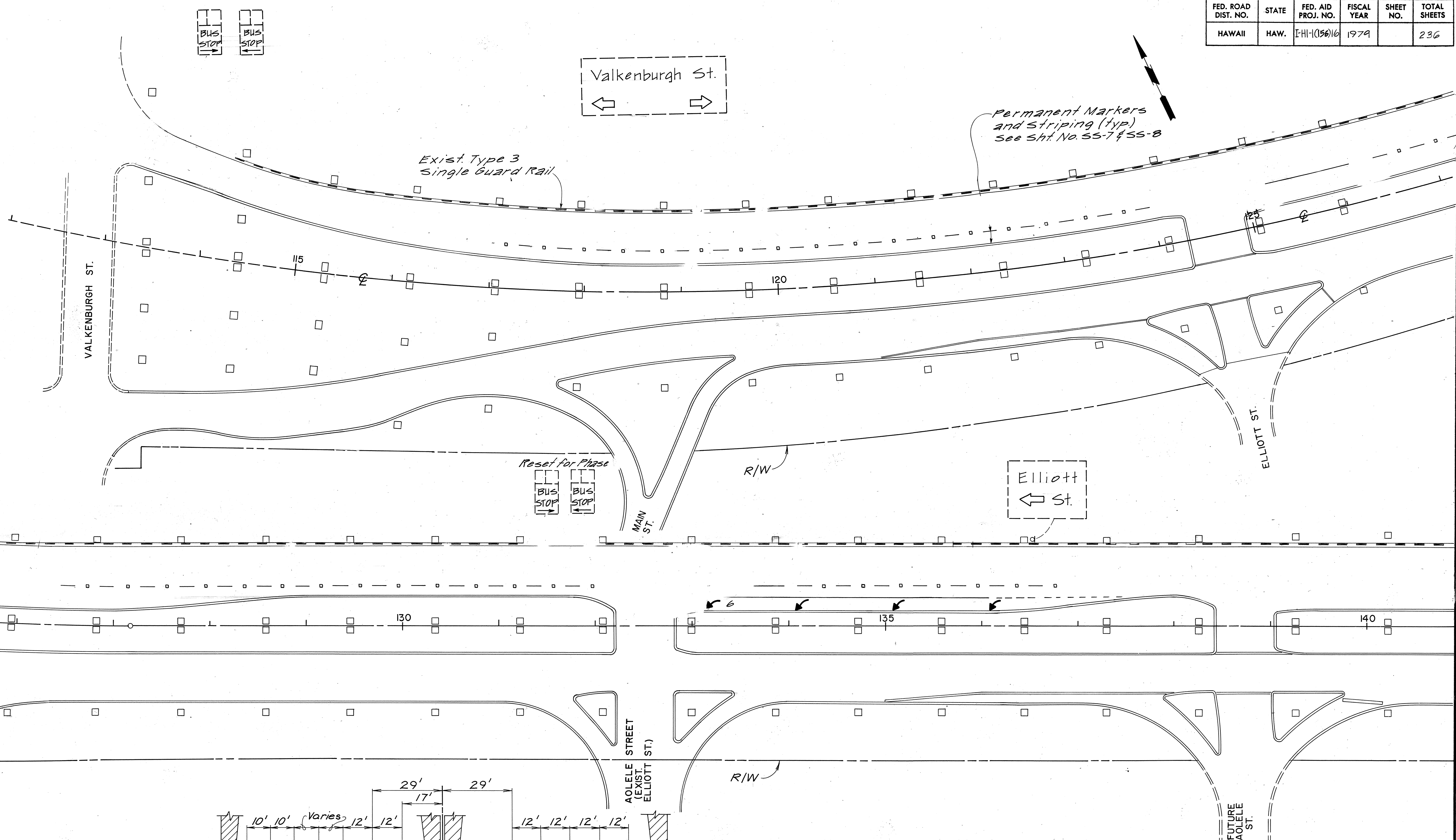


No.	DATE	REVISION
1	11-6-79	Added Sheet

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
  
**TRAFFIC DETOUR**  
 STA. 115 + 00 TO 125 + 00  
 PHASE I  
 AIRPORT INTERCHANGE  
 F.A.I. PROJ. NO. I-HI-1(156):16  
 SCALE: 1" = 50' DATE: NOV. 1, 1979  
 SHEET No. 5 OF 7 SHEETS

C040A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(156)16	1979		236



Construction Phase II Lane 1, 2, 3, 7, 8, 9, 10  
 Construction Phase III Lane 4, 5, 6, 7, 8, 9, 10

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
*Henry M. Sumida*

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

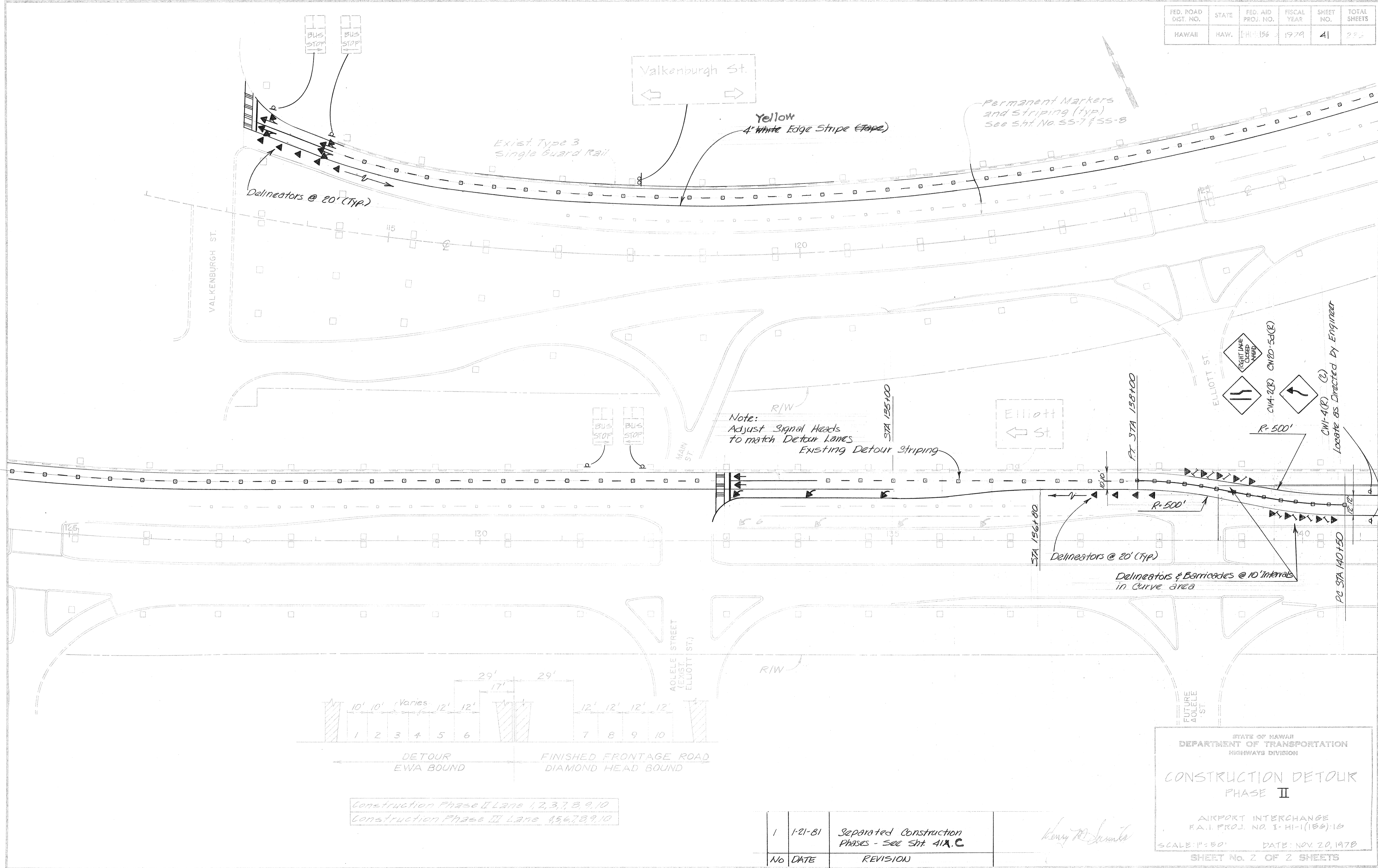
CONSTRUCTION DETOUR  
 PHASE

AIRPORT INTERCHANGE  
 F.A.I. PROJ. NO. I-HI-1(156)16

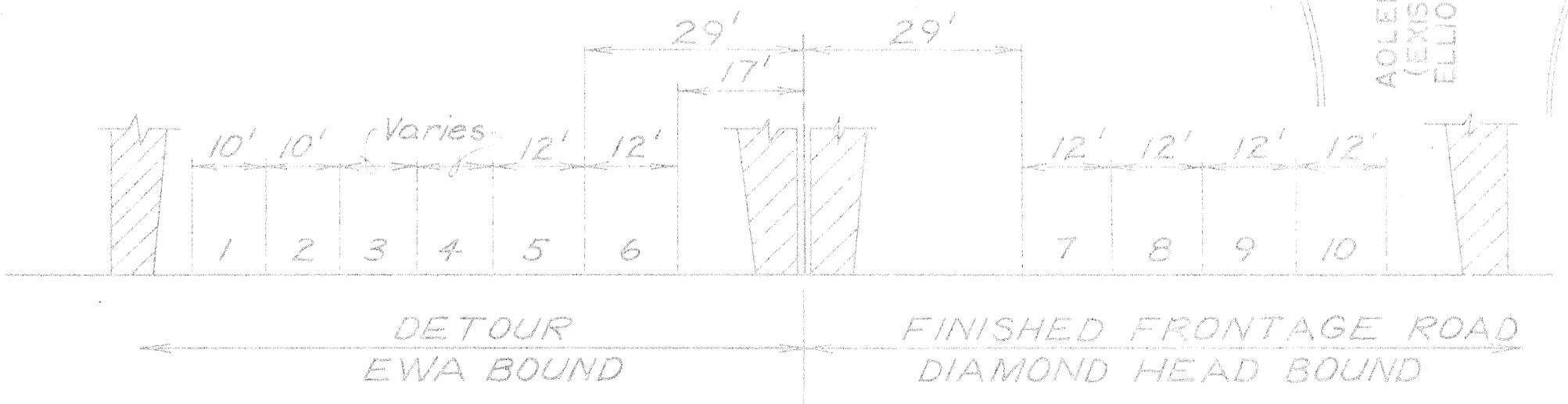
SCALE: 1"=50'      DATE: NOV. 20, 1978

SHEET No. 2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HI-156	1979	41	222



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



Construction Phase II Lane 1, 2, 3, 7, 8, 9, 10  
 Construction Phase III Lane 4, 5, 6, 7, 8, 9, 10

No	DATE	REVISION
1	1-21-81	Separated Construction Phases - See Sht. 41A.C

*Henry M. Smith*

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

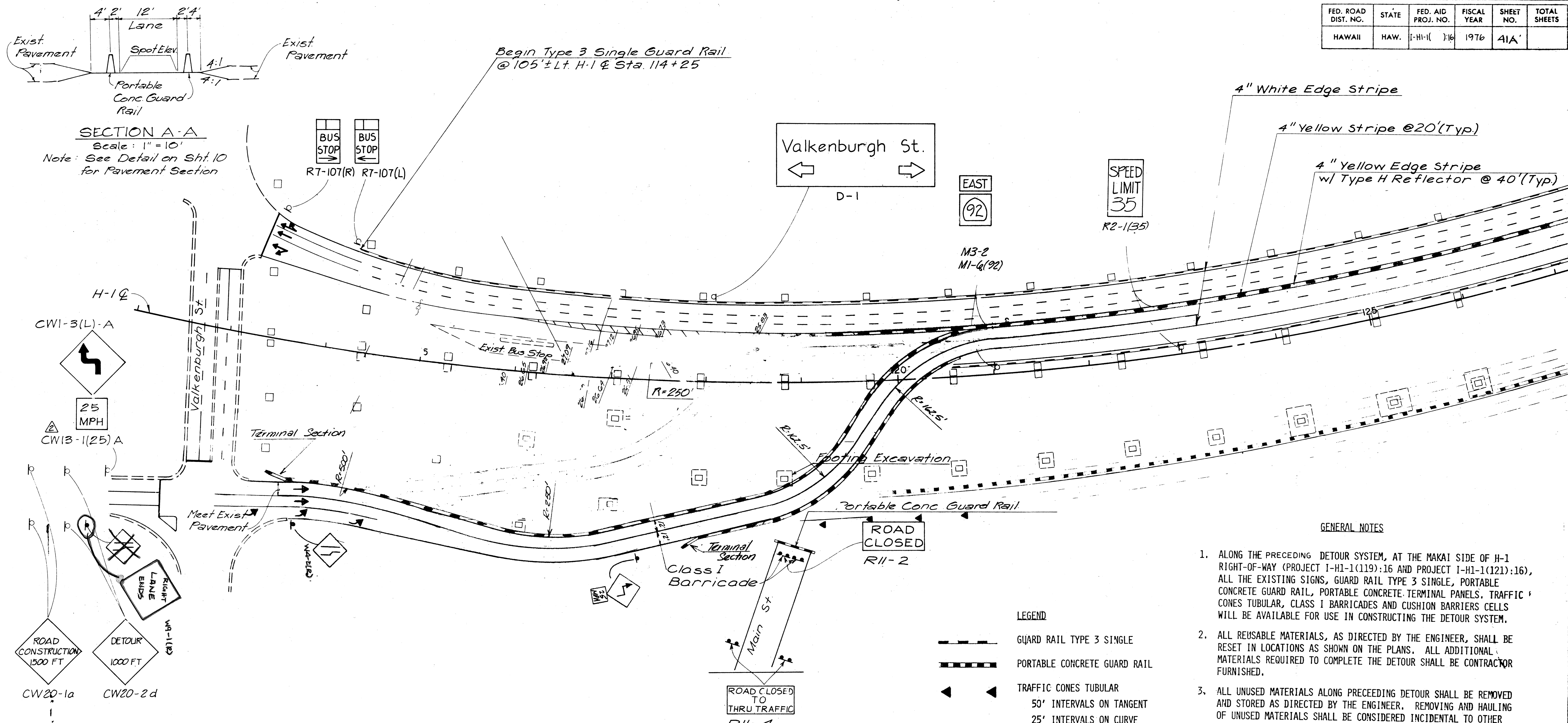
**CONSTRUCTION DETOUR  
 PHASE II**

AIRPORT INTERCHANGE  
 R.A.I. PROJ. NO. I-HI-1(156)-10

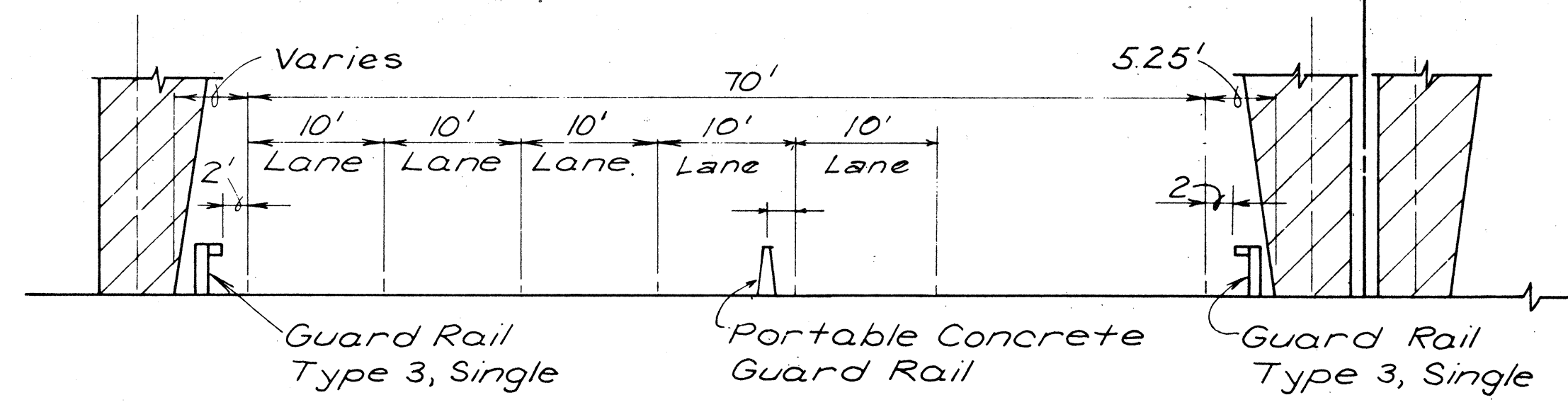
SCALE: 1"=50' DATE: NOV. 20, 1978  
 SHEET No. 2 OF 2 SHEETS

CO41

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1( )16	1976	41A	



**SECTION A-A**  
Scale: 1" = 10'  
Note: See Detail on Sht. 10 for Pavement Section



**GENERAL NOTES**

1. ALONG THE PRECEDING DETOUR SYSTEM, AT THE MAKAI SIDE OF H-1 RIGHT-OF-WAY (PROJECT I-HI-1(119):16 AND PROJECT I-HI-1(121):16), ALL THE EXISTING SIGNS, GUARD RAIL TYPE 3 SINGLE, PORTABLE CONCRETE GUARD RAIL, PORTABLE CONCRETE TERMINAL PANELS, TRAFFIC CONES TUBULAR, CLASS I BARRICADES AND CUSHION BARRIERS CELLS WILL BE AVAILABLE FOR USE IN CONSTRUCTING THE DETOUR SYSTEM.
2. ALL REUSABLE MATERIALS, AS DIRECTED BY THE ENGINEER, SHALL BE RESET IN LOCATIONS AS SHOWN ON THE PLANS. ALL ADDITIONAL MATERIALS REQUIRED TO COMPLETE THE DETOUR SHALL BE CONTRACTOR FURNISHED.
3. ALL UNUSED MATERIALS ALONG PRECEDING DETOUR SHALL BE REMOVED AND STORED AS DIRECTED BY THE ENGINEER. REMOVING AND HAULING OF UNUSED MATERIALS SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS.
4. REFER TO PLANS FOR PROJECT I-HI-1(119):16 AND PROJECT I-HI-1(121):16 FOR DETOUR SYSTEMS TO BE IN USE DURING THE VIADUCT CONSTRUCTION PHASE OF THIS PROJECT. ACCESS FROM AND TO THESE DETOURS MUST BE MAINTAINED AT ALL TIMES FOR CATLIN DRIVE AND SALT LAKE BOULEVARD TRAFFIC.

**LEGEND**

- GUARD RAIL TYPE 3 SINGLE
- - - PORTABLE CONCRETE GUARD RAIL
- ◀ ▶ TRAFFIC CONES TUBULAR  
50' INTERVALS ON TANGENT  
25' INTERVALS ON CURVE
- 10' 30' 10' 4-INCH WHITE LANE STRIPE WITH TYPE C REFLECTOR
- ➡ PAVEMENT ARROW
- NEW OR RESET SIGN

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
NO.	

NO.	DATE	REVISION
2	3-23-78	Revised Warning Signs Revised Detour Roadway Layout, relocated Portion of Conc. Barriers and added additional Conc. Barriers
1	5-10-76	Speed Limit changed to 35 m.p.h.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

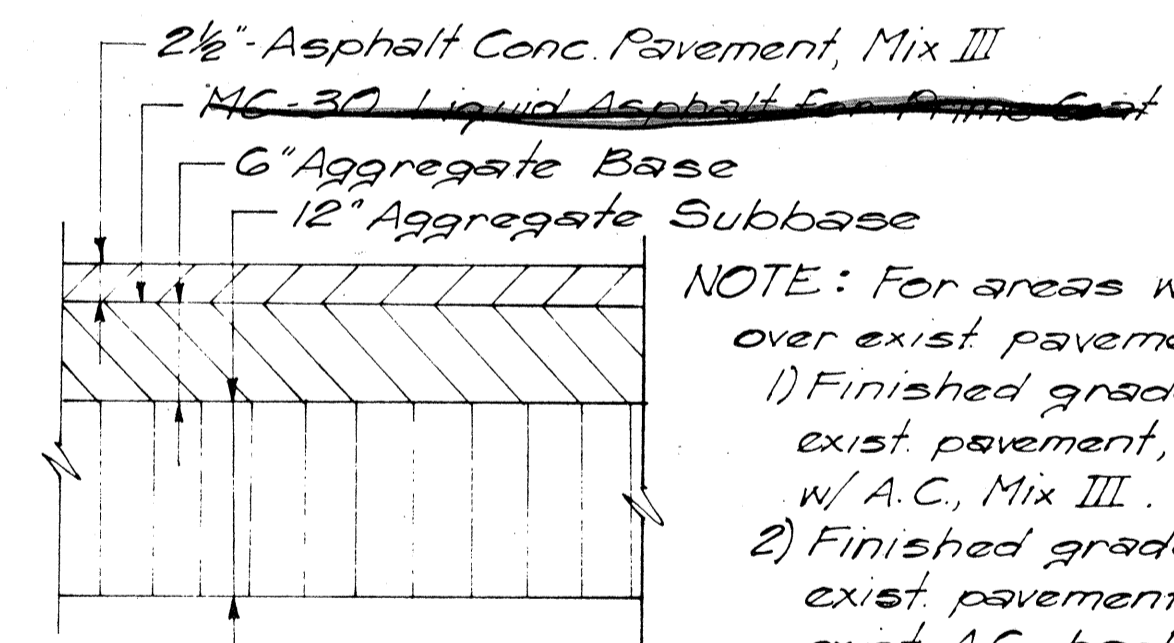
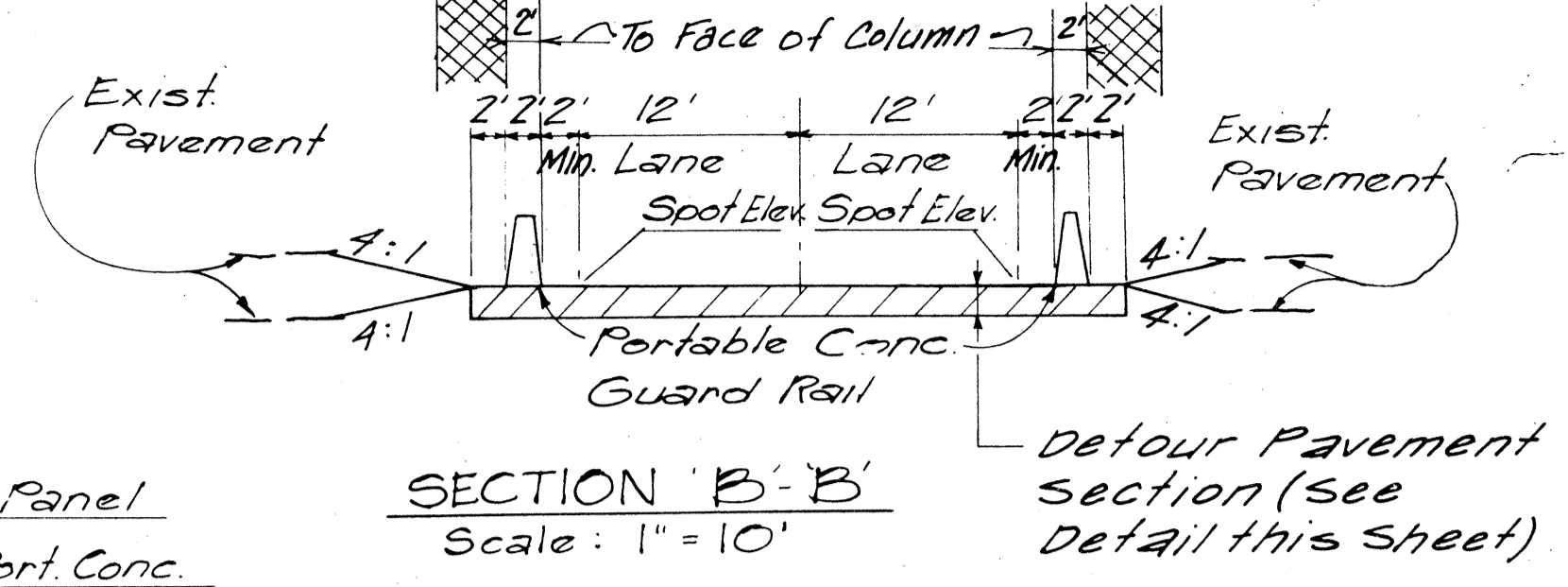
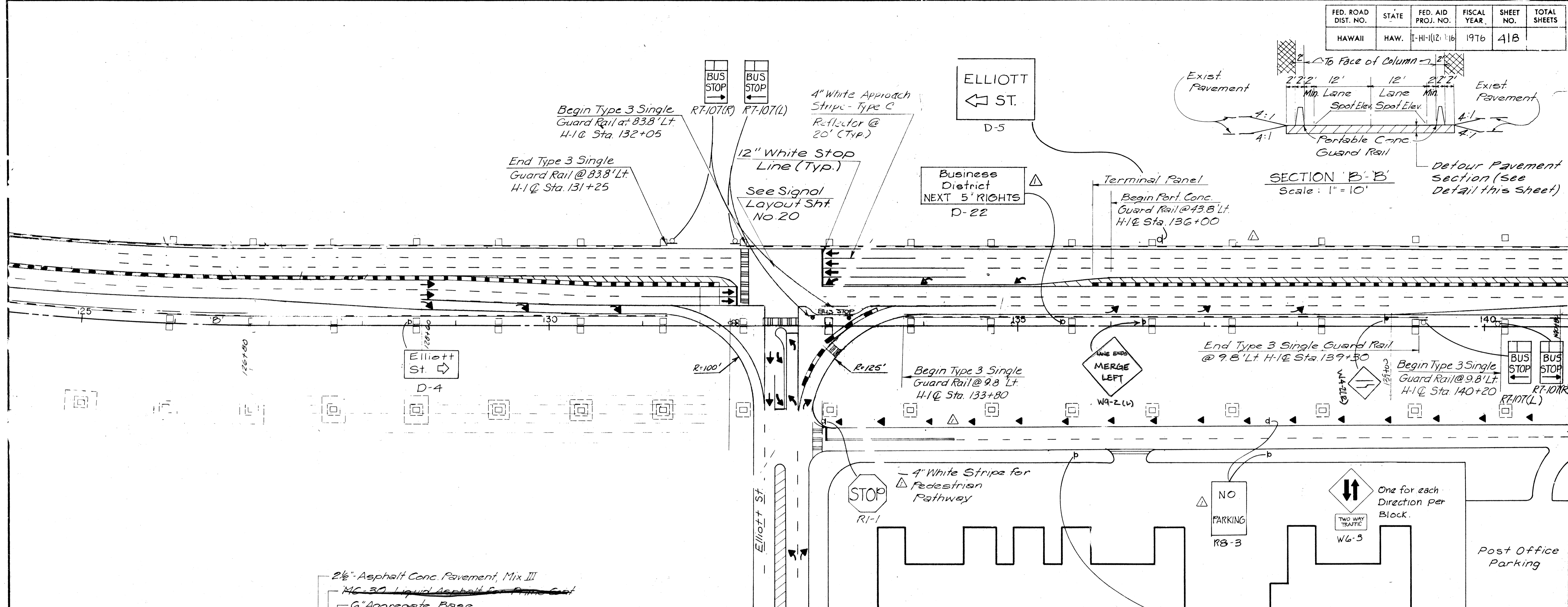
**TRAFFIC DETOUR**  
STA. 115 + 00 TO 125 + 00  
PHASE III  
AIRPORT INTERCHANGE  
F.A.I. PROJ. NO. I-HI-1(156):16

SCALE: 1" = 50'      DATE: NOV. 1, 1975

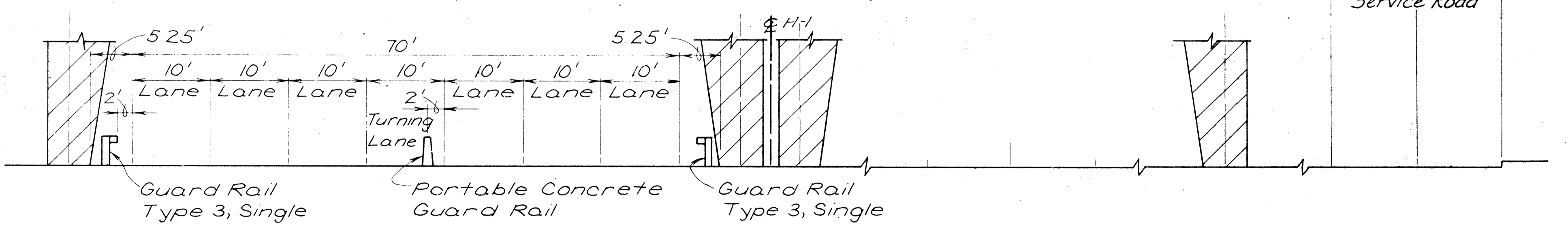
**SHEET No. 1 OF 7 SHEETS**

C041A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(156)-16	1976	41B	



- NOTE: For areas where detour lane crosses over exist pavement and:
- 1) Finished grade is less than 2 1/2" above exist pavement, apply tack coat & overlay w/ A.C., Mix III.
  - 2) Finished grade is more than 2 1/2" above exist pavement, scarify and remove exist. A.C., backfill w/ base and subbase as required, and finish w/ 2 1/2" of A.C., Mix III.
  - 3) Finished grade is less than 3" below exist pavement, scarify & remove exist pavement to a depth 2 1/2" below finished grade & pave over with Mix III.
  - 4) Finished grade is more than 3" but less than 12" below exist pavement, scarify & remove exist pavement to a depth 8 1/2" below finished grade & pave with 6" base and 2 1/2" A.C., Mix III.
  - 5) Finished grade is more than 12" below exist pavement, use full pavement section.



SPEED LIMIT 25 (R)2-1(25)

NO	DATE	REVISION
1	12-27-78	ADDED NEW SIGN AT ELLIOTT ST.
3	8-29-78	REVISED SPOT ELEV ALONG DETOUR AT H-I Q STA. 127+00 REVISED SECTION B-B' REMOVED 15" RCP AT DETOUR
Δ	7-3-78	ADDED PORTABLE CONC. BARRIERS AT ELLIOTT ST BETWEEN SERVICE ROAD & MAHUKA DETOUR ROADWAY
	3-23-78	ADDED PAVEMENT SECTION FOR DETOUR LANE AND SECTION B-B' DELETED BUS STOP SIGNS AT STA. 137+00 AND EXTENDED TYPE 3 SINGLE GUARD RAIL REVISED DETOUR ROADWAYS AND STRIPING LAYOUT, ADDED ADDITIONAL CONC. GUARD RAIL, ADDED ADDITIONAL CONC. GUARD RAIL AND REGULATORY SIGNS, DELETED MOLE ST. INTERSECTION AND EXTEND. SERVICE ROAD TO ELLIOTT ST. RELOCATED CONCRETE GUARD RAIL BETWEEN H-I Q STA. 125+00 AND 131+00.
NO	DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

TRAFFIC DETOUR  
STA. 125 + 00 TO 140 + 00  
PHASE III

AIRPORT INTERCHANGE  
F.A.I. PROJ. NO I-HI-1(156)-16

SCALE: 1" = 50' DATE: NOV. 1, 1975

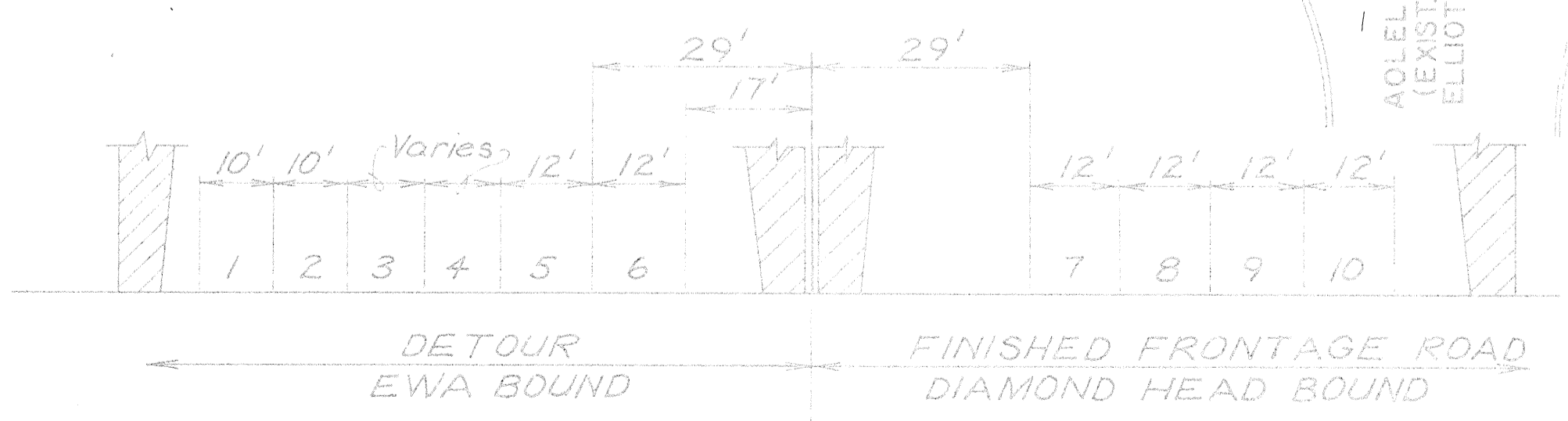
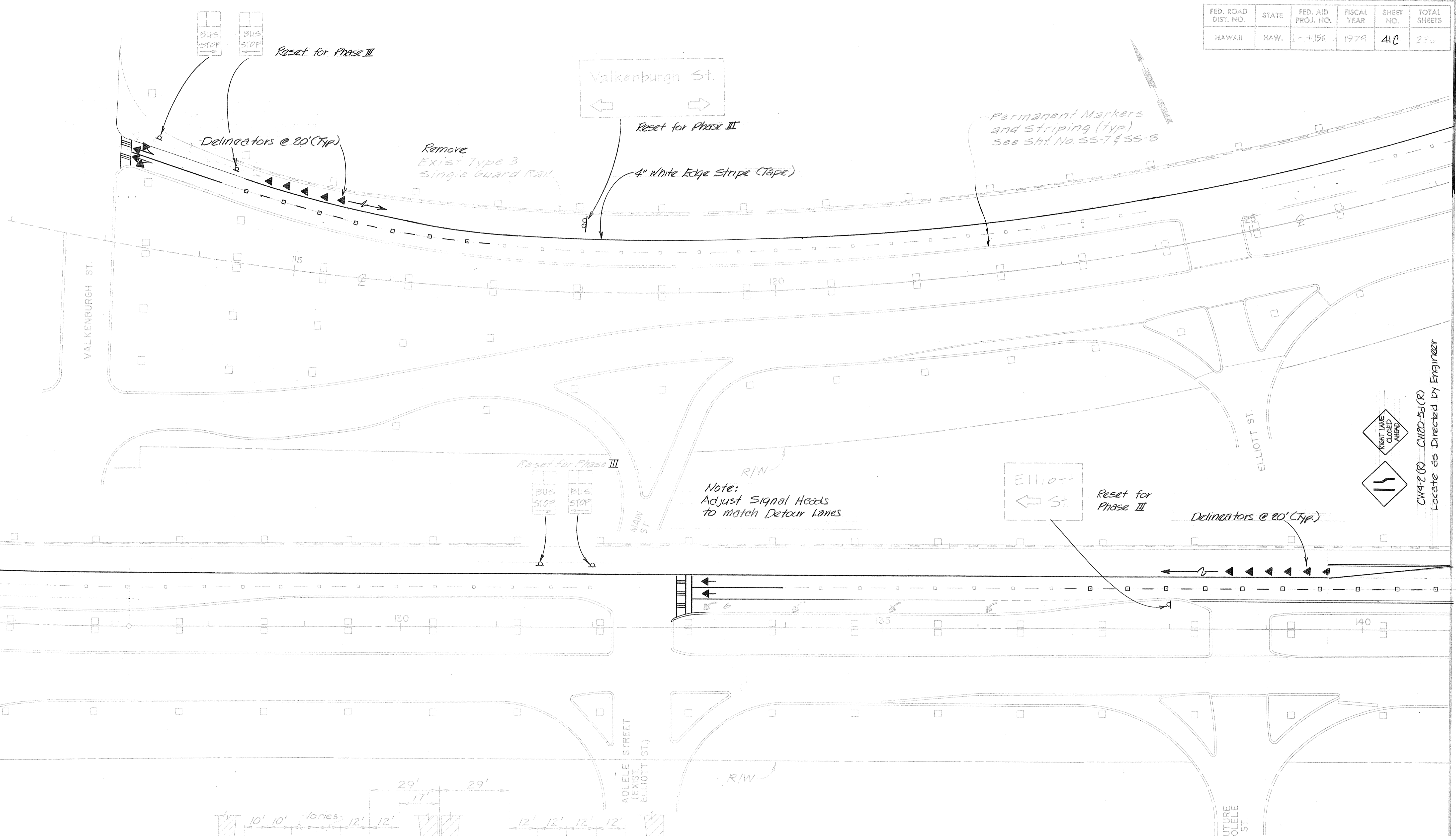
SHEET No. 2 OF 7 SHEETS

SURVEY PLOTTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 ORIGINAL PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 No. \_\_\_\_\_

*Handwritten signature/initials*

C041B

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HI-156	1979	410	282



Construction Phase II Lane 1, 2, 3, 7, 8, 9, 10  
 Construction Phase III Lane 4, 5, 6, 7, 8, 9, 10

No	DATE	REVISION
1.	1-21-81	Added Sheet.

*Henry M. Saville*

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**CONSTRUCTION DETOUR  
 PHASE III**

AIRPORT INTERCHANGE  
 F.A.I. PROJ. NO. I-HI-1(156)-10

SCALE: 1"=50' DATE: NOV. 20, 1978  
 SHEET NO. 2 OF 2 SHEETS

DESIGNED BY: SHAWY, GOTTALD, ET AL.  
 DRAWN BY: [blank]  
 CHECKED BY: [blank]  
 DATE: [blank]

TRAFFIC DETOUR SUMMARY

ITEM NO.	DESCRIPTION	QUANTITIES BY PHASES				TOTAL QUANTITY
		I	II	III	IV	
629.1010	Pavement Striping (Lin. Ft.)	1140		4000	2000	7140
629.1020	Crosswalk Marking (Lane)		3			3
629.1030	Pavement Arrows (Each)		1			1
See Note 2	Removing Pavement Striping (Lin. Ft.)				4000	4000
	Removing Crosswalk Marking (Lane)		3			3
	Removing Pavement Arrows (Each)		1			1
	Reset Portable Conc. Guard Rail (Each)	32	112	224	112	480

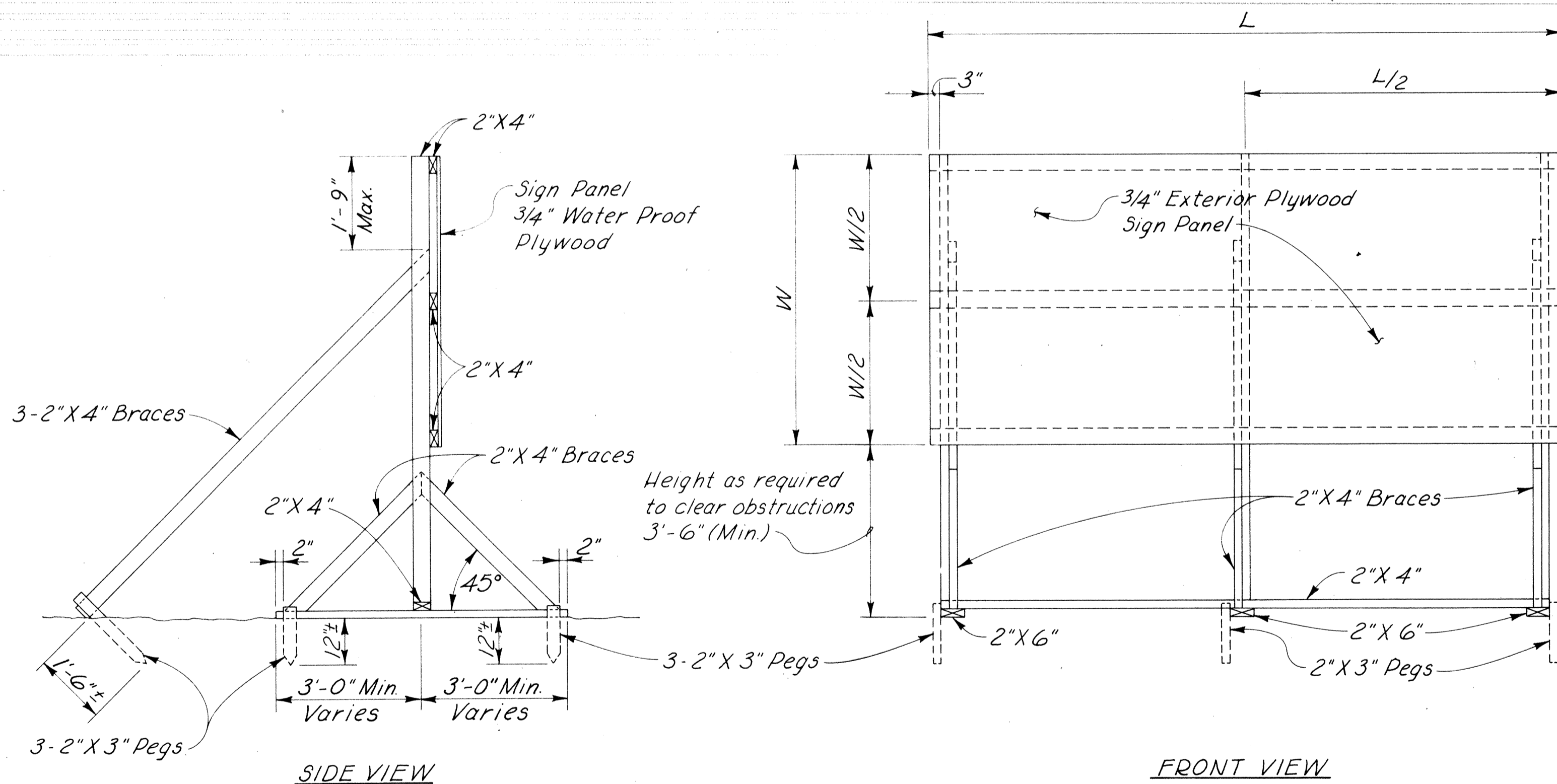
Notes:

1. Detour Pavement Striping, Crosswalk Markings and Pavement Arrows not included in Summary shall be paid for at the respective unit price from the force account for Construction and Maintenance for Detour, Pay Item No. 104.0500.
2. Removal of detour pavement striping, crosswalk markings, pavement arrows, and resetting of portable concrete guard rail shall be paid for at the respective unit price from the force account for Construction and maintenance for Detours Pay Item No. 104.0500.

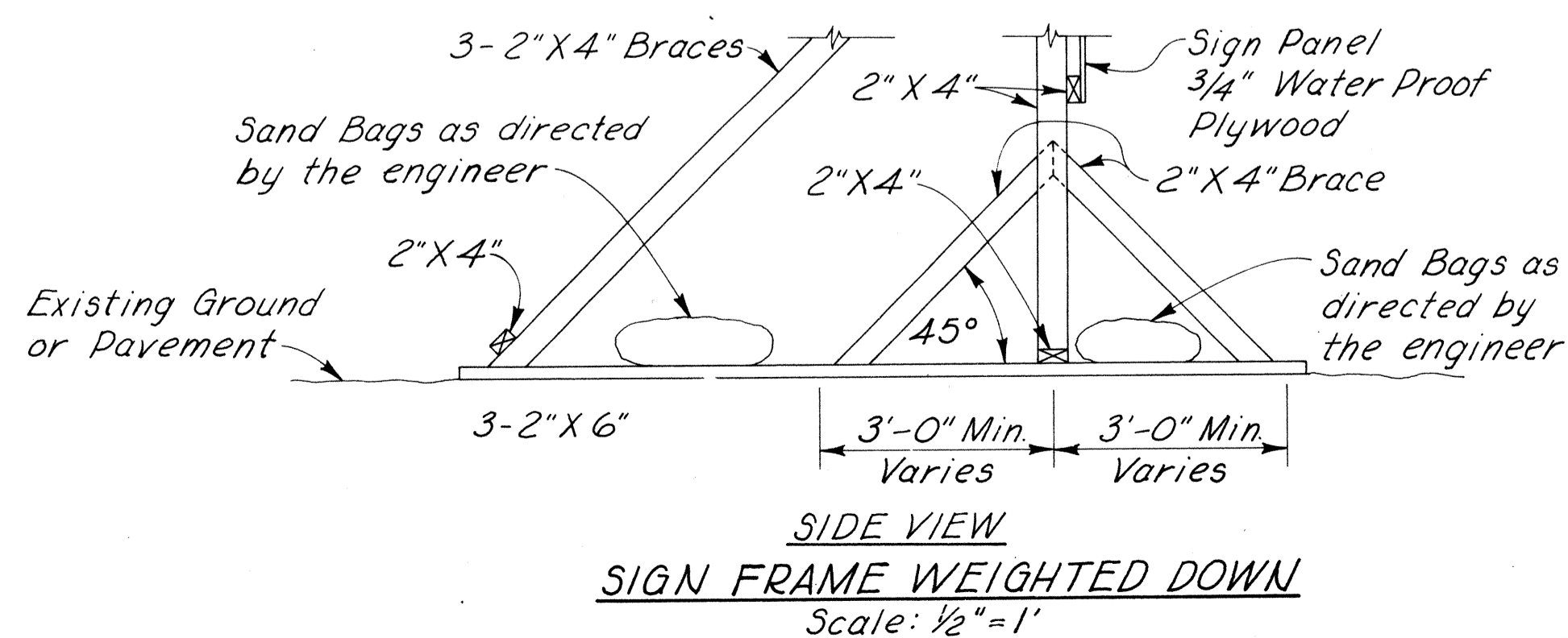
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(156):16	1979	42	236

DETOUR SIGNING SUMMARY

TYPE	DESCRIPTION	QUANTITIES BY PHASES								TOTAL QUANTITY		
		PHASE I		PHASE II		PHASE III		PHASE IV		W/P	WO/P	
		W/P	WO/P	W/P	WO/P	W/P	WO/P	W/P	WO/P			
CW1-5(R)-A	\$	1									1	
CW12-1-A	↙ ↘	1									1	
CW13-1(25)-A	25 MPH		1									1
	TOTAL (Construction)										2	1
RM-9	Reflector Marker		1									1
R7-107(R)	Reset - Bus Stop						1					1
R7-107(L)	Reset - Bus Stop						1					1
	TOTAL (Reset)											2
	Reset Destination Sign					1						1



SIGN FRAME ANCHORED IN GROUND  
Scale: 1/2" = 1'



SIGN FRAME WEIGHTED DOWN  
Scale: 1/2" = 1'

NOTES:

1. Temporary Detour Signs to be made of 3/4" Water Proof Plywood. Sign Legend shall be Reflectorized White on Green Background.
2. The Contractor shall Construct, Install and Maintain the Signs at the locations shown on plans and as ordered by the Engineer.
3. Letters shall be Series "E" of the sizes shown on the plan and shall conform with the "Standard Alphabet for Highway Signs," Bureau of Public Roads, 1966.



THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Henry M. Sumida

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

TRAFFIC DETOUR SIGN  
DETAILS AND SUMMARY

AIRPORT INTERCHANGE  
F.A.I. PROJ. NO. I-HI-1(156):16  
SCALE AS SHOWN DATE: NOV. 20, 1978

SHEET No. 1 OF 1 SHEETS

ADD42

DATE: \_\_\_\_\_  
SURVEY PLOTTED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
NOTE BOOK NO. \_\_\_\_\_