

GENERAL NOTES~ROADWAY CONSTRUCTION DETOUR

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	40	142

- Detour Lanes shall be a minimum of 12'-0" wide.
- Detours shall be within the established State Highway Right-of-Way or Construction Easement.
- The exact limits of the Roadway Construction for each Detour Phase shall be determined by the Engineer.
- The Contractor shall follow the order of Construction Phasing as shown on the plans. Any request for adjustment in sequence or phasing must be submitted in writing and approved by the Engineer.
- Where Temporary Marking of the Permanent Roadway Alignment is required for Detours the final lift shall be omitted until the Permanent Pavement Markings can be installed, unless otherwise specified by the Engineer.
- The Contractor shall coordinate his work with the work of others and various utility companies such as to provide orderly sequence of construction, and to minimize inconvenience and delay to the general public.
- All utilities, guardrail, lighting, signing, hydro-mulching and other related work within each individual construction phase shall be performed completed or to the extent necessary in such timely sequence as to preclude duplication of efforts (as re-excavation for installation of utilities) and hazardous roadside construction (as installation of rails or signs on roadways open to public traffic)
- Construction of temporary pavement section shall be paid for under applicable contract items. Scarifying and removal of pavement section and restoring ground and other items to original condition upon completion of the project shall be considered incidental to the various contract items.
- All relocation of Temporary Warning, Regulatory, Construction and Maintenance Signs, Posts, Barricades and Delineators between phases of work will be paid for on a Force Account basis by Item No. 104.0500~Construction and Maintenance of Detours.
- During Detour Construction Phasing, existing crosswalks shall be maintained or adjusted as necessary. All costs will be paid for on a Force Account basis under Item No. 104.0500~Construction and Maintenance of Detours.
- All existing regulatory and warning signs that are not applicable within the Construction area (i.e. Speed Limit Signs) shall be covered or removed as directed by the Engineer.
- All Construction Warning Signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- All existing pavement markings that are not applicable for the phase under construction shall be removed as directed by the Engineer.

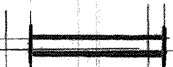
- Detour Quantities assume that certain Signs, Barricades and Channelizing Devices are to be relocated and some are to be removed during the various Construction Detour Phases. The Quantities shown are for estimating only.
- The Contractor shall allow access to and from all existing driveways and side roads at all times.
- All work to remove temporary detours by the Contractor shall be considered incidental to the various Contract Items in the proposal.

DETOUR SIGN SUMMARY

TYPE	DESCRIPTION	QUANTITY	
		W/POST	W/O POST
CW1-3(R)-A		3	
CW1-4(R)-A			1
CW9-2(R)-A	Lane Ends Merge Right		2
CW4-2(L)-A		2	
CW4-2(R)-A		2	
CM4-10(R)	DETOUR		1
CW9-3(R)	Thru Traffic Merge Right	2	
CW13-1(25)-A	25 M.P.H.		8
CW13-1(35)-A	35 M.P.H.		3
CW20-1a	Road Construction 1500 Ft.	3	
CW20-1b	Road Construction 1000 Ft.	2	
CW20-1c	Road Construction 500 Ft.	2	
CW20-1d	Road Construction Ahead	10	
CW20-4d	One Lane Road Ahead	2	
CW20-5C(L)	Left Lane Closed 500 Ft.	2	
CW9-2(L)-A	Lane Ends Merge Left	2	
CG20-2	End Construction	4	
CW23-2a	Single Lane 1500 Ft.	2	
R1-1	Stop	4	
R1-2	Yield	2	
R2-1(25)	Speed Limit 25	2	3
R3-5(R)	Only	1	
R5-1	Do Not Enter	1	
R11-2	Road Closed		2
R3-7(L)-A	Left Lane Must Turn Left	2	
TOTALS		50	20

Furnished By C.C.O. No. 3

DETOUR LEGEND

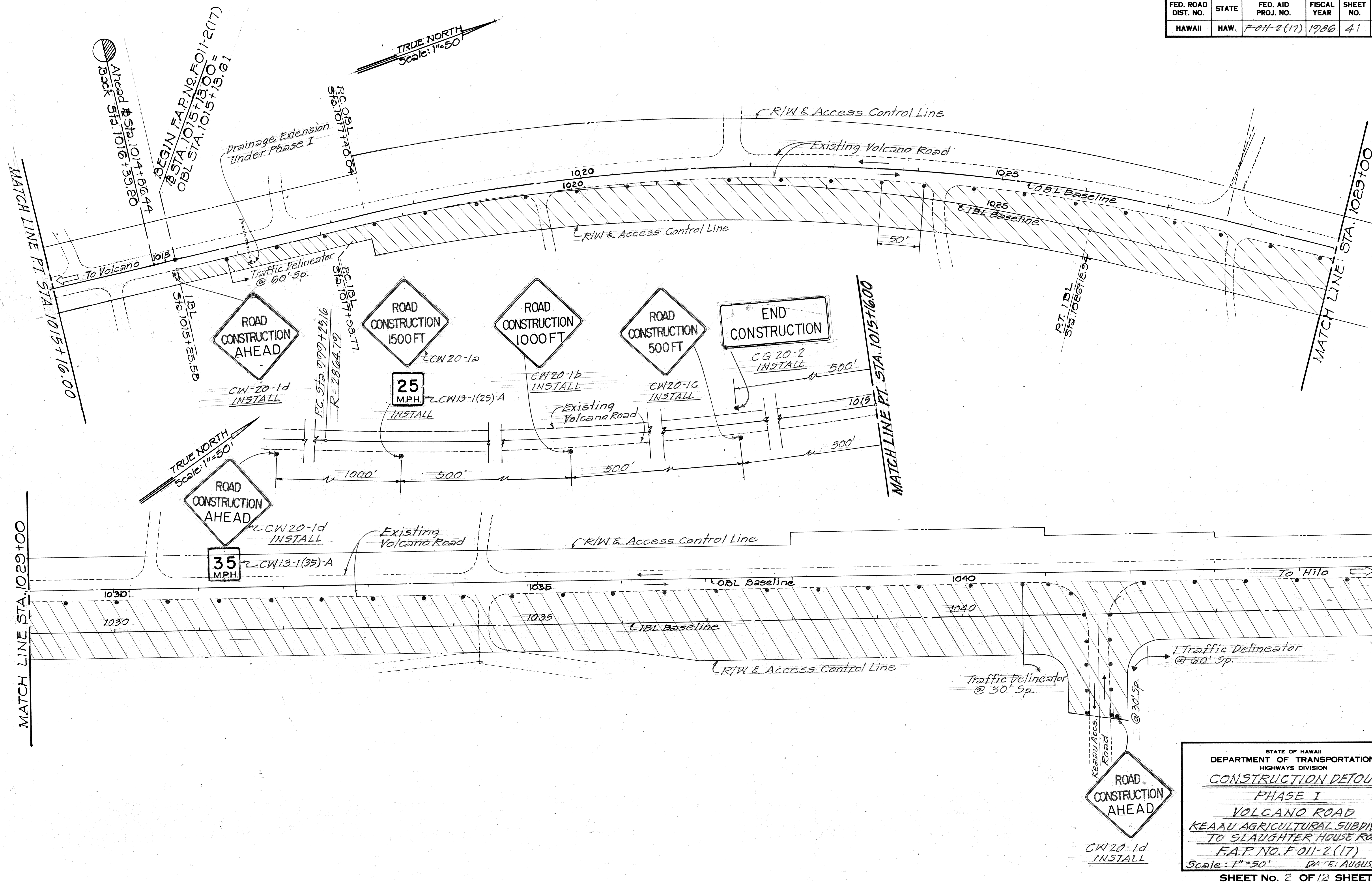
	Construction Zone This Phase
	Traveledway and Shoulder Construction Completed this Contract
	Traffic Flow (One Lane)
	Traffic Delineator
	New Traffic Sign and Post
	Existing Traffic Sign and Post (Retained, Relocated or Sign Replaced)
	Type II Barricade with Lamp
	Type III Barricade with Lamp

BARRICADES & CHANNELIZING SUMMARY

DESCRIPTION	QUANTITY
Traffic Delineators	369 Ea.
Type II Barricade with Lamp	48 Ea.
Type III Barricade with Lamp	7 Ea.
Portable Concrete Barrier	160 L.F.

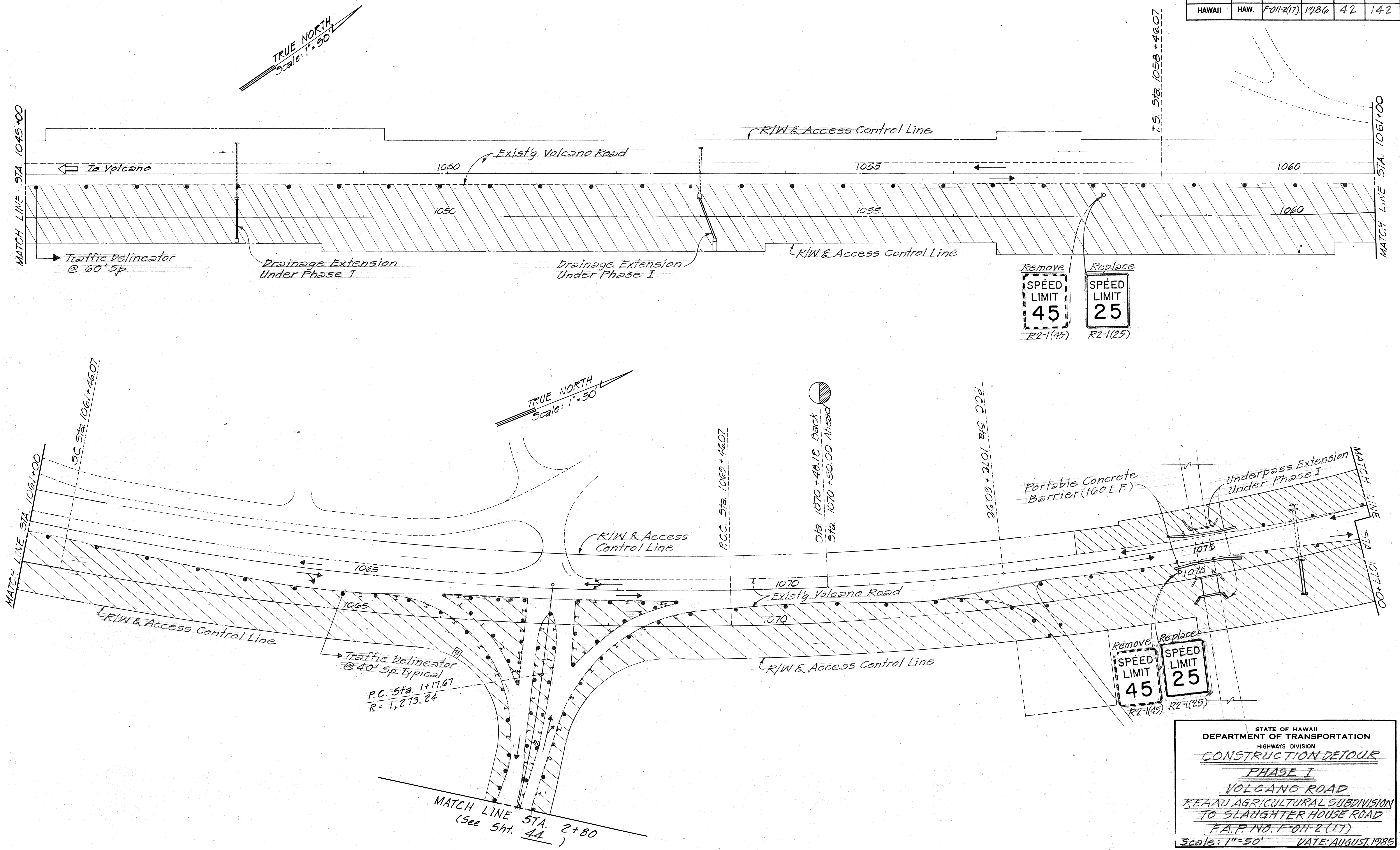
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
CONSTRUCTION DETOUR PHASING GENERAL NOTES VOLCANO ROAD KEAAU AGRICULTURAL SUBDIVISION TO SLAUGHTER HOUSE ROAD F.A.P. No. F-011-2(17) DATE: Aug. 1985
SHEET No. 1 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	41	142



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

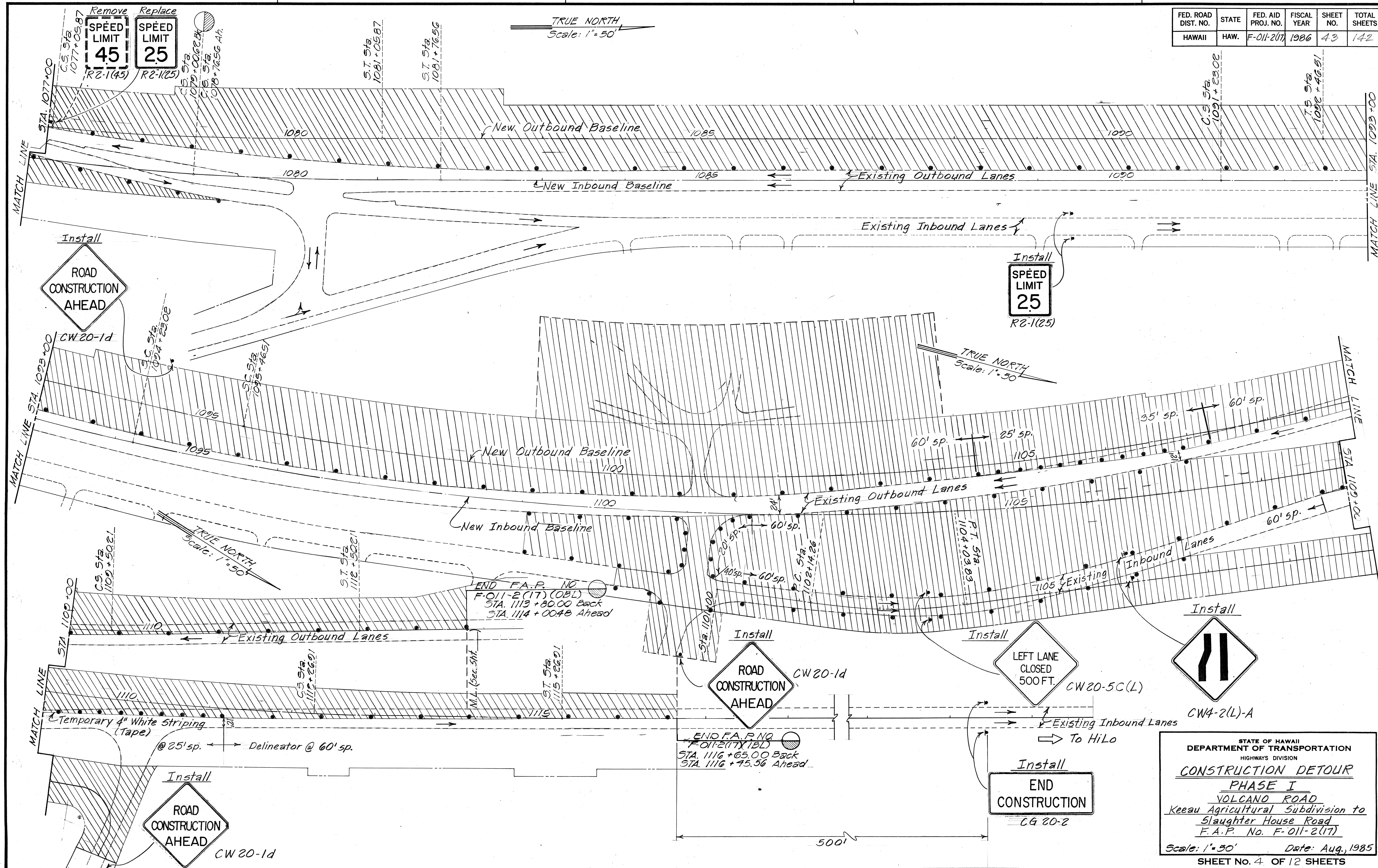
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F011-2(17)	1986	42	142



DATE	_____
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DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
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NOTE BOOK	_____
NO.	_____

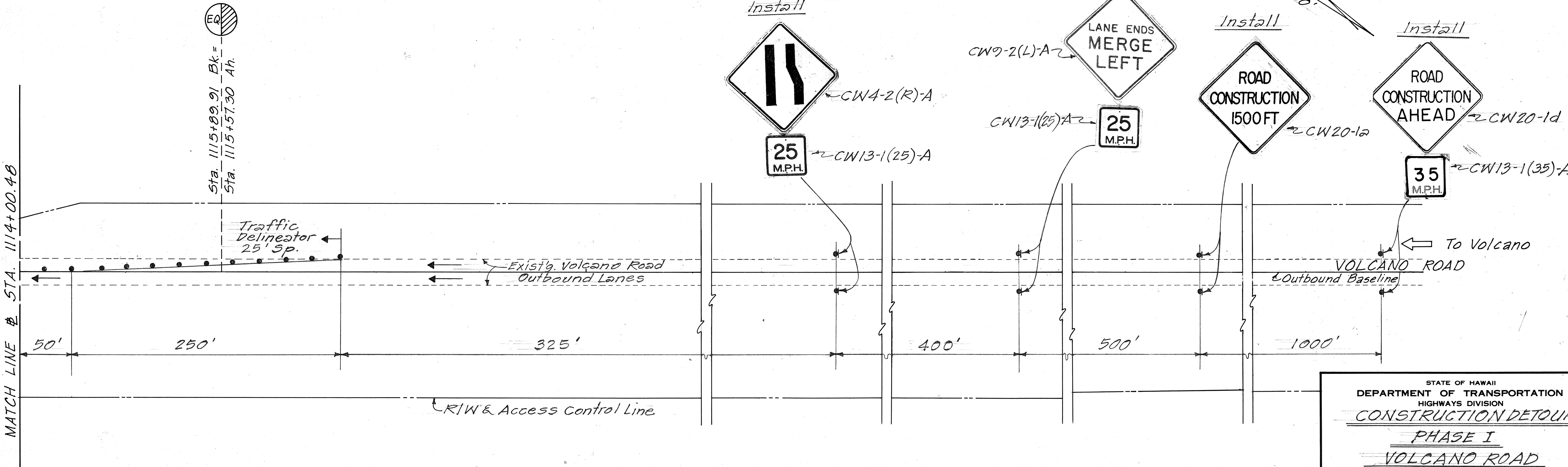
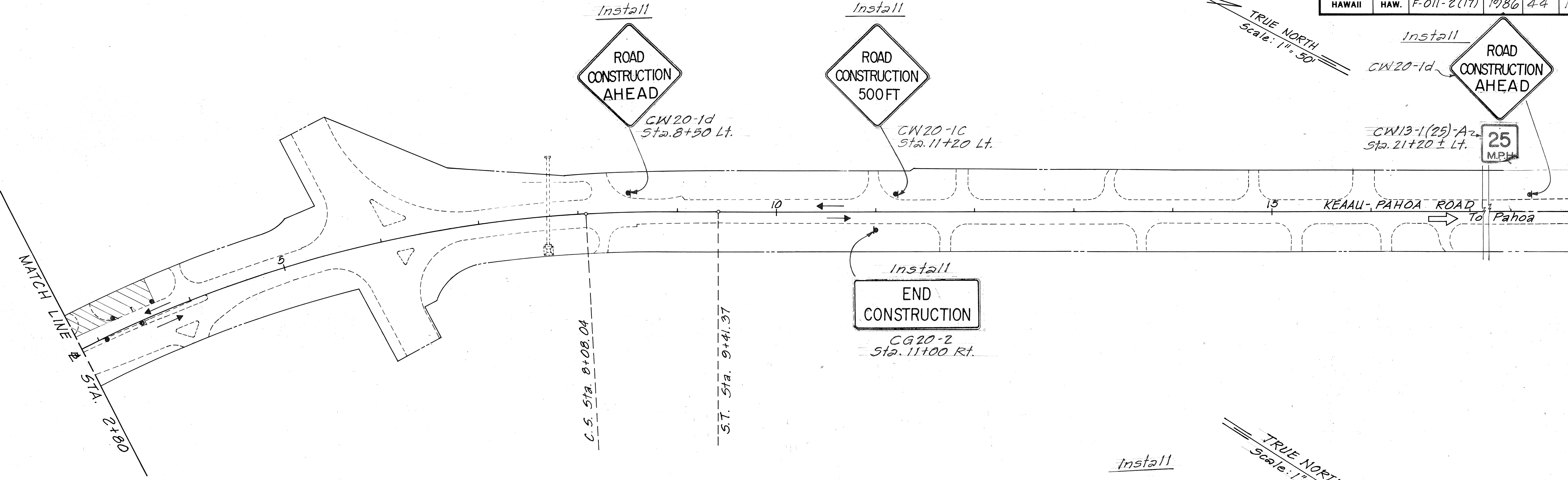
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION DETOUR
PHASE I
VOLCANO ROAD
KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.P. NO. F-011-2(17)
Scale: 1"=50' DATE: AUGUST 1985
SHEET NO. 3 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	43	142



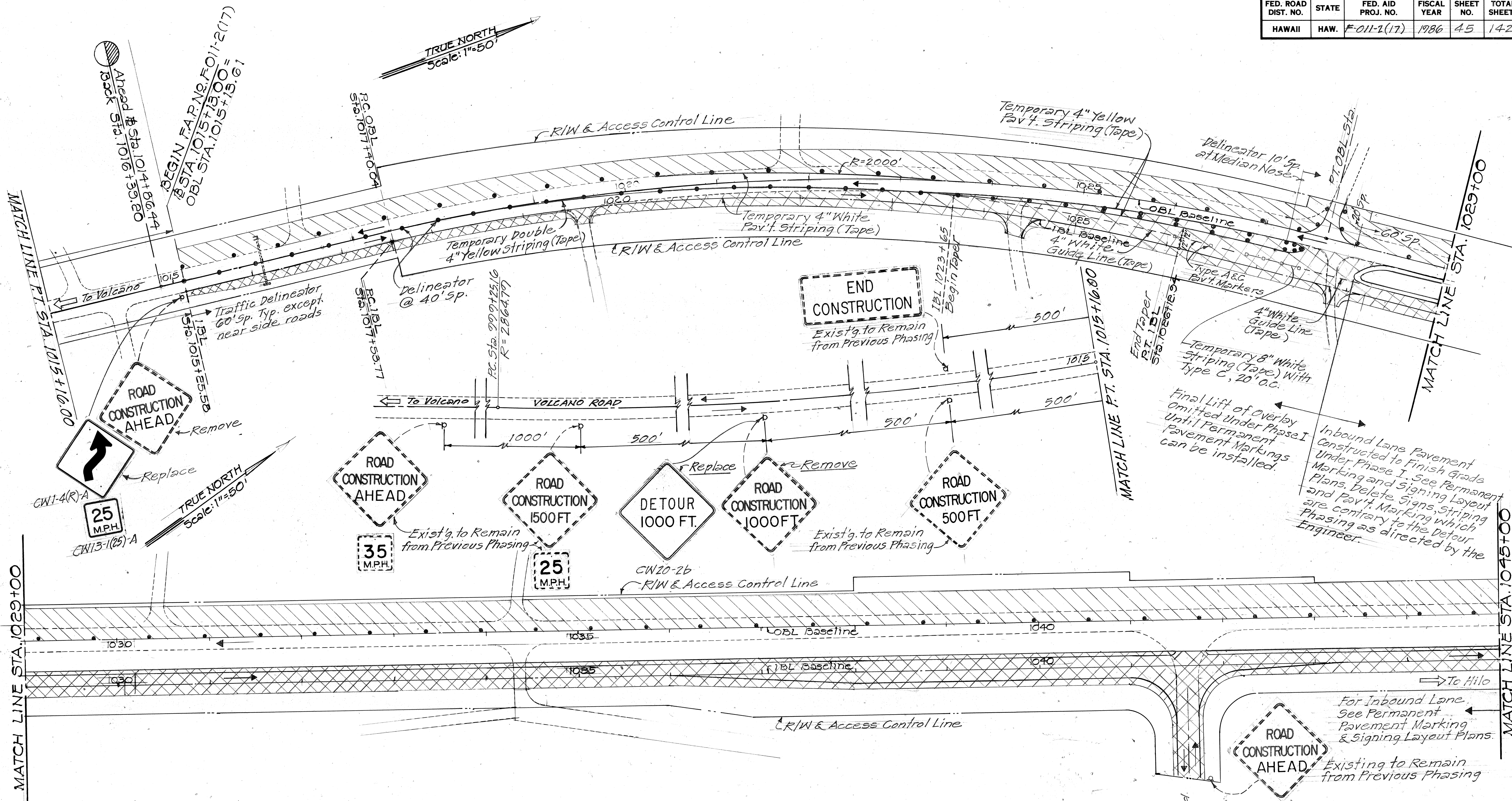
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	44	142

TRUE NORTH
Scale: 1"=50'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION DETOUR
PHASE I
VOLCANO ROAD
KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.P. NO. F-011-2(17)
Scale: 1"=50' DATE: AUGUST, 1985
SHEET NO. 5 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-1(17)	1986	45	142



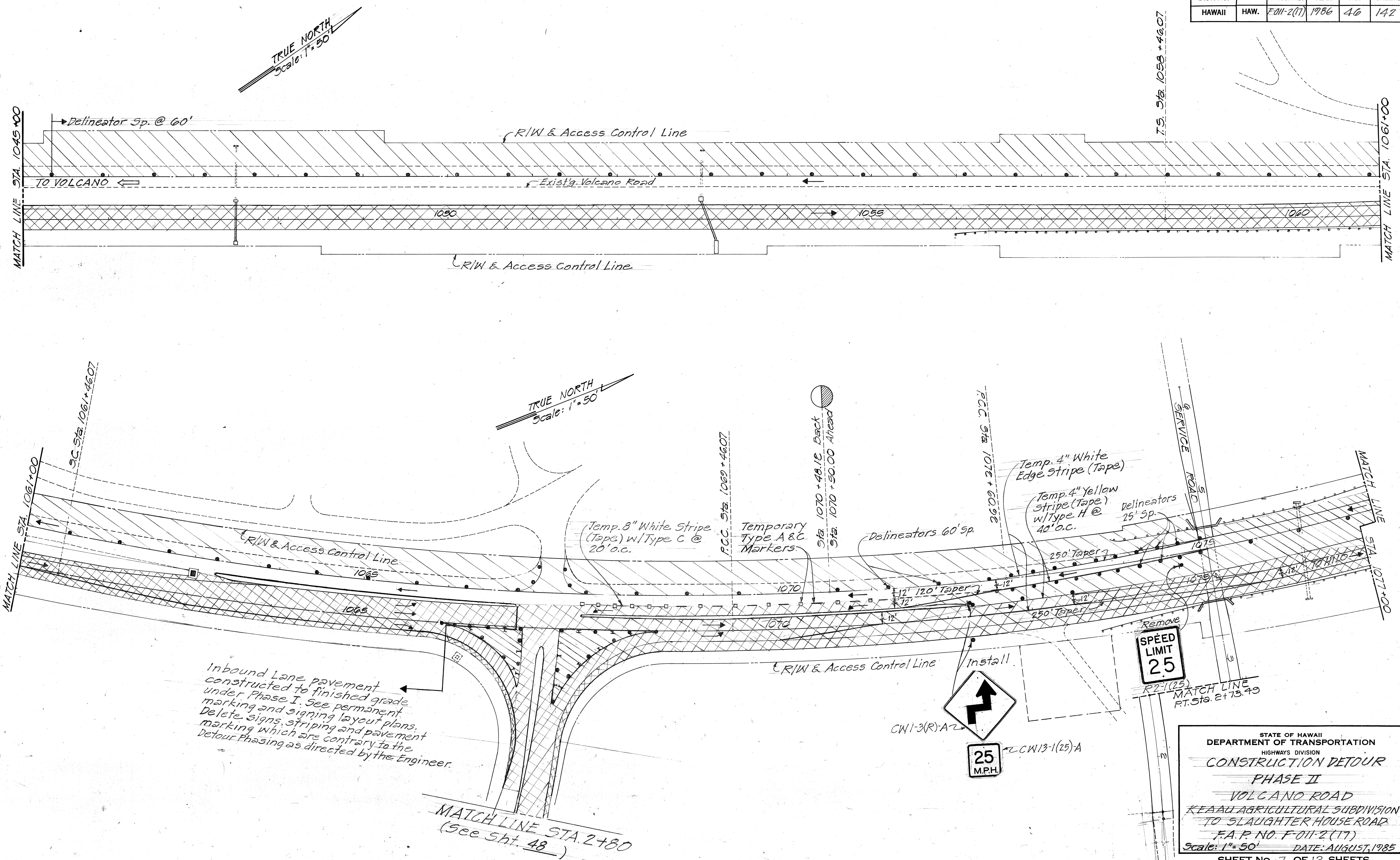
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE II
VOLCANO ROAD
KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.P. NO. F-011-2(17)
Scale: 1"=50' DATE: AUGUST, 1985

SHEET No. 6 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F011-2(17)	1986	46	142

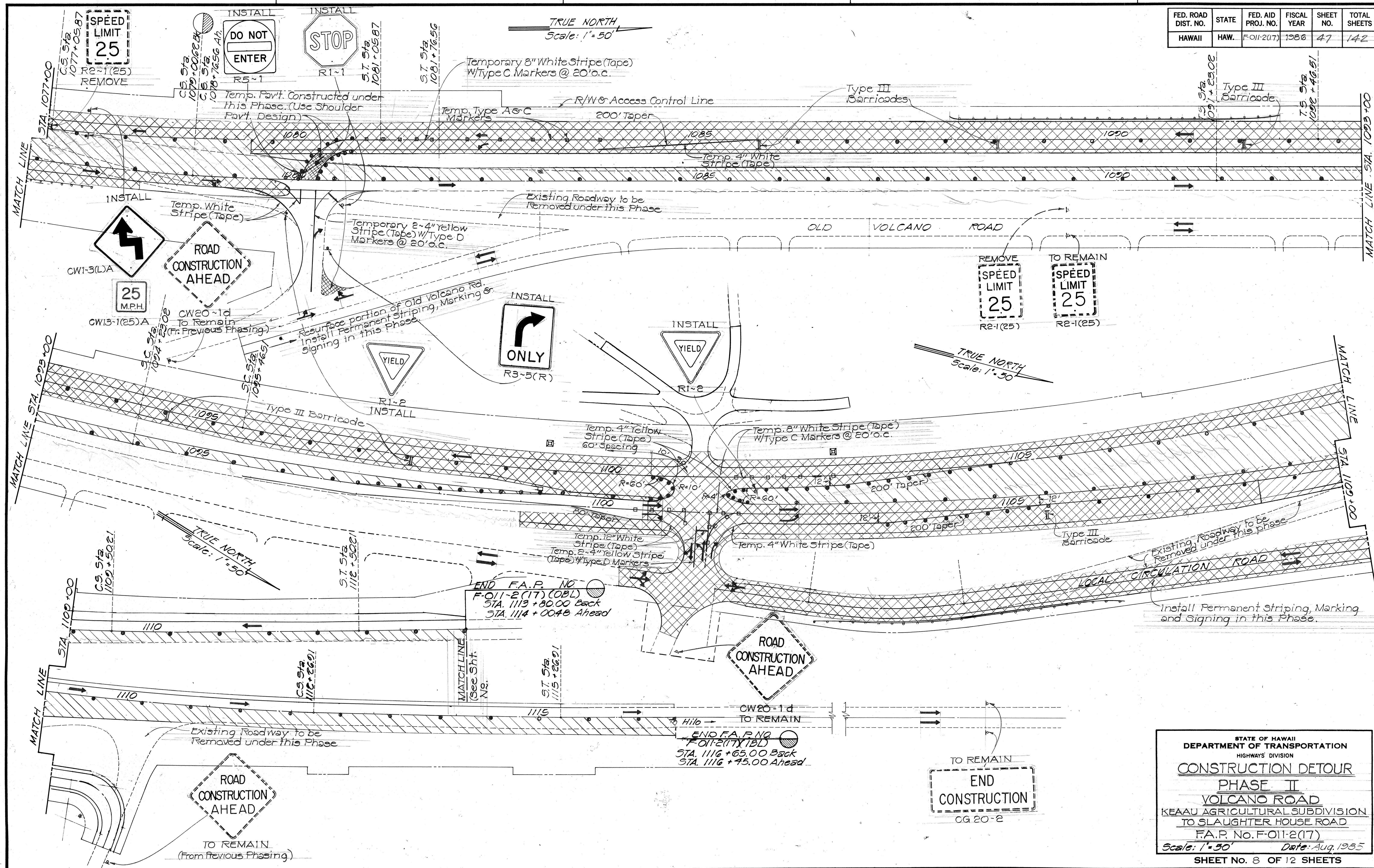


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DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE II
VOLCANO ROAD
KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.P. NO. F011-2(17)
Scale: 1"=50' DATE: AUGUST, 1985
SHEET NO. 7 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	47	142



DATE	_____
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CHECKED BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

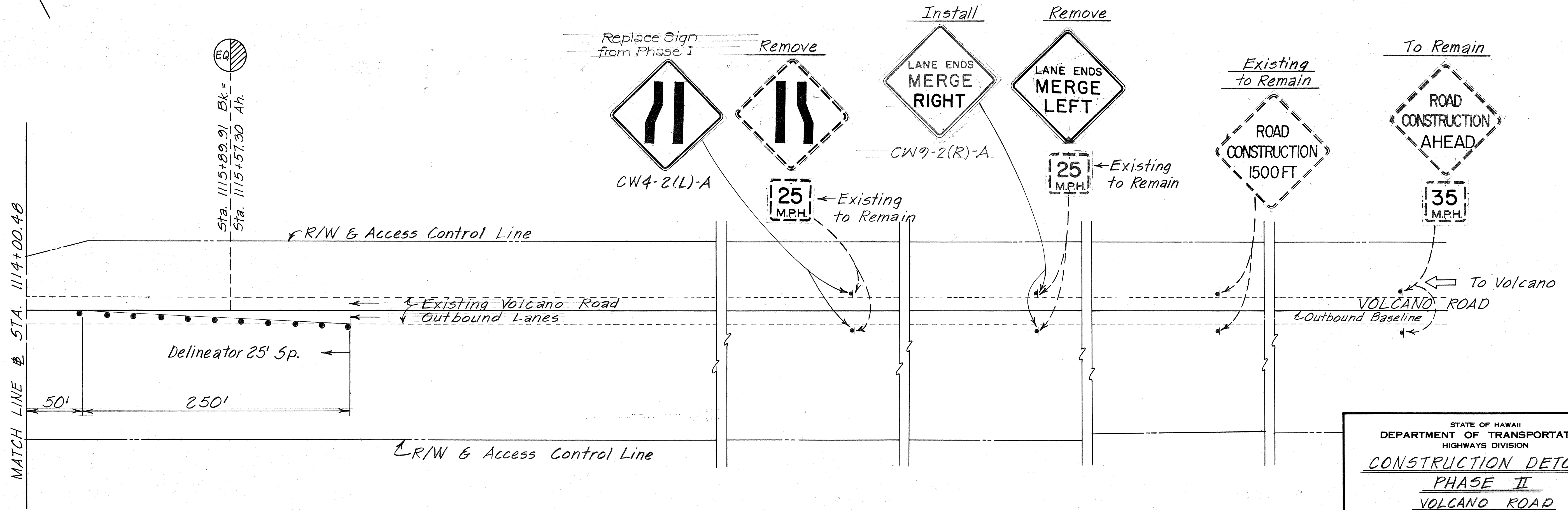
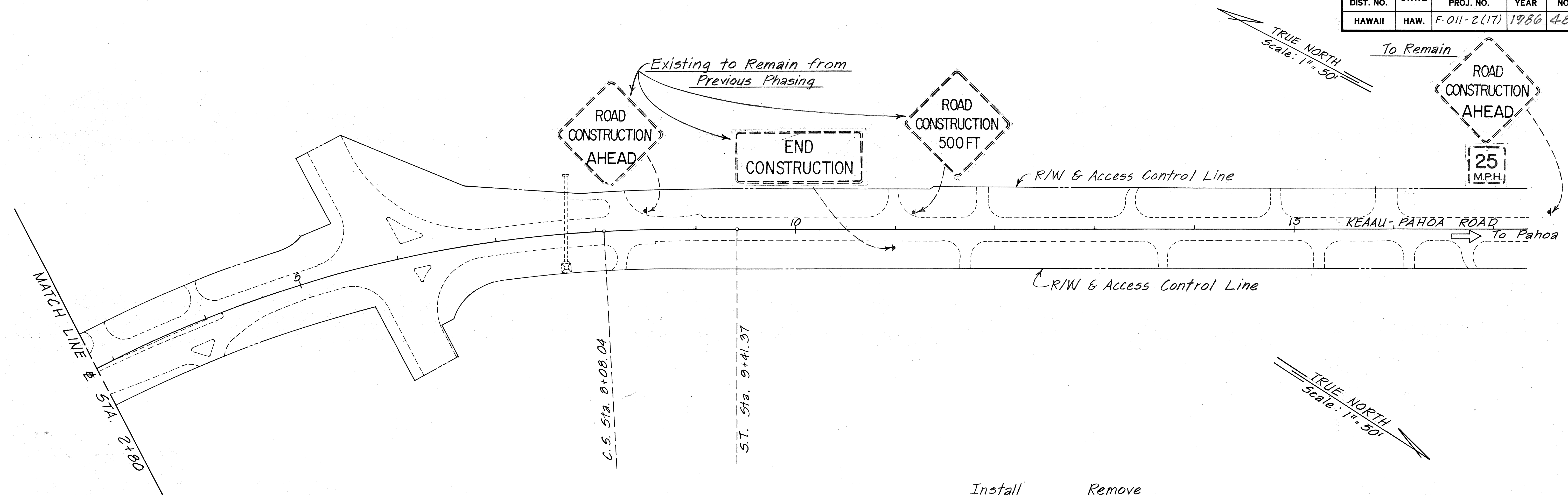
**CONSTRUCTION DETOUR
PHASE II
VOLCANO ROAD**

KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.R. No. F-011-2(17)

Scale: 1"=50' Date: Aug. 1985

SHEET No. 8 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	48	142

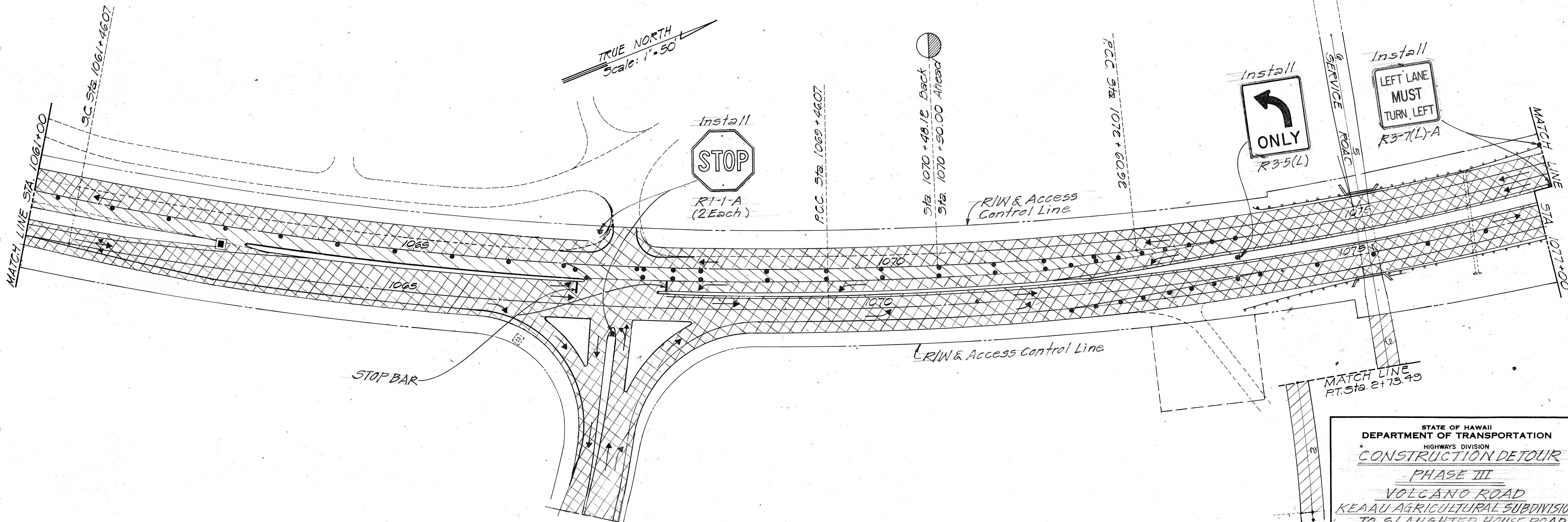
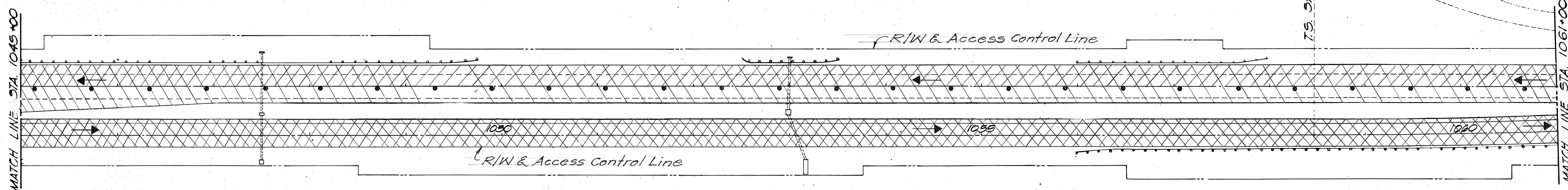


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**CONSTRUCTION DETOUR
PHASE II**
VOLCANO ROAD
Keeau Agricultural Subdivision to
Slaughter House Road
F.A.P. No. F-011-2(17)
Scale: 1" = 50' Date: Aug., 1985
SHEET NO. 3 OF 12 SHEETS

SURVEY PLOTTED BY	DATE
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CHECKED BY	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F011-1(17)	1986	50	142

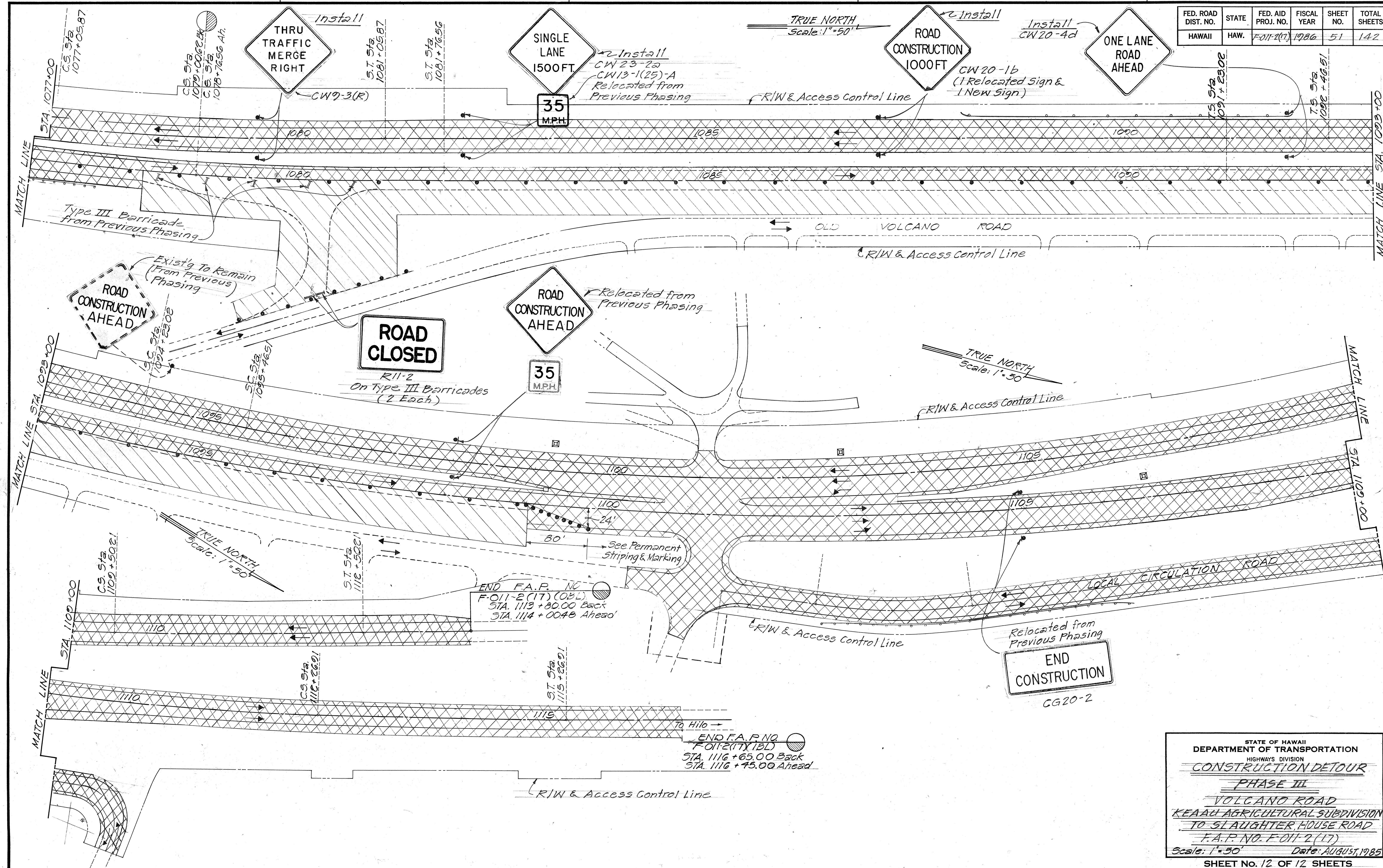
TRUE NORTH
Scale: 1"=50'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONSTRUCTION DETOUR
PHASE III
VOLCANO ROAD
KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.P. NO. F-011-2(17)
Scale: 1"=50' DATE: AUGUST, 1985
SHEET No. 11 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(17)	1986	51	142



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION DETOUR
PHASE III
VOLCANO ROAD
KEAAU AGRICULTURAL SUBDIVISION
TO SLAUGHTER HOUSE ROAD
F.A.P. NO. F-011-2(17)
Scale: 1"=50' Date: AUGUST, 1985
SHEET NO. 12 OF 12 SHEETS