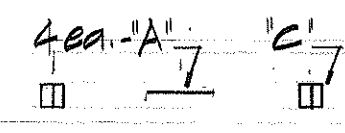

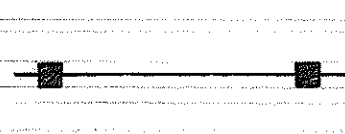
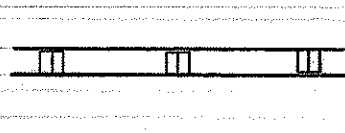
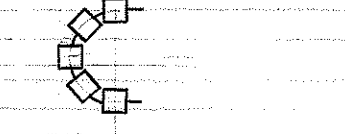
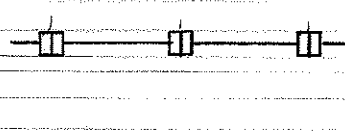
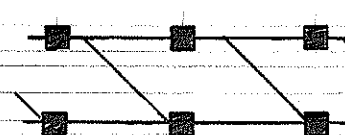
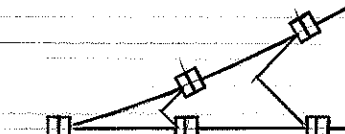
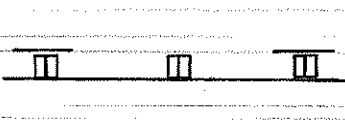

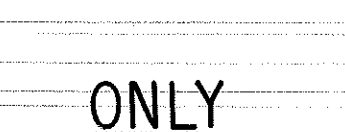
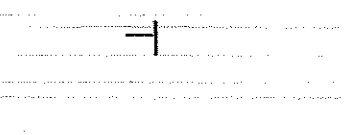



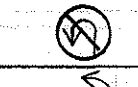
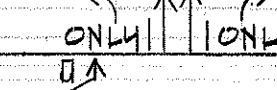
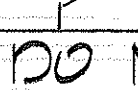
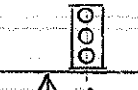
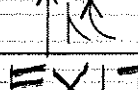
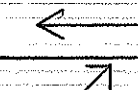



LEGEND

-  4ea. Type "A" Raised Pavement Markers with Type "C" Raised Pavement Markers at 40'-0" oc.
-  4" double yellow stripe with Type "D" Raised Pavement Markers at 20'-0" oc.
-  4" yellow stripe with Type "H" Raised Pavement Markers at 40'-0" oc.
-  4" double white stripe with Type "C" Raised Pavement Markers at 20'-0" oc.
-  4" yellow stripe with Type "D" Raised Pavement Markers at 5'-0" oc.
-  8" white stripe with Type "C" Raised Pavement Markers 20'-0" oc.
-  Transverse Median Marking
-  Channelizing Island
-  Lane Change Restriction Marking
-  Crosswalk & Stop Line. Stop Lines shall be 10'-0" from Crosswalks unless otherwise noted.
-  Pavement Arrow
-  ONLY Pavement Word
-  - Reflector Marker (RM-1) with Flexible Delineator Post.
-  -|| Reflector Marker (RM-2) with Flexible Delineator Post.

TRAFFIC SIGN SUMMARY

TYPE	DESCRIPTION	QUANTITY	
		W/post	W/o post
R1-2	YIELD	1	
R3-1		1	
R3-4		1	1
R3-44			4
R4-7		1	
R5-1	DO NOT ENTER	1	1
R5-1a	WRONG WAY	2	
R6-1(L)	<ONE WAY		2
R6-1(R)	ONE WAY>		2
W3-3		1	
W4-3			1
W13-2(35)	EXIT 35 MPH		1
W13-3(35)	RAMP 35 MPH		1
RM-1	Reflector Marker, Single	21	
RM-2	Reflector Marker, Double	6	
R1G-5	KEEP OUT FREEWAY, etc.		1
IM-1(2)	H-1 (Interstate Shield)	2	1
IM2-1	JCT		1
IM3-2-A	EAST		1
IM3-4-A	WEST		1
IMG-1			1
IMG-2(R)			1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(IG5):10	1983	28	64

GENERAL NOTES

1. The final locations of all signs shall be approved by the Engineer.
2. Locations of all new pavement markings shall be staked out by the Contractor for approval by the Engineer prior to installation.
3. All existing signs & pavement markings not incorporated in the final traffic pattern shall be removed unless otherwise specified or directed by the Engineer.
4. The Contractor may use pavement marking tape or thermoplastic extrusion for 4" edge stripes however only one option shall be used for the entire project.
5. For additional striping details see shts. D18, D19, D20, D21, D22 & D23.
6. The double solid white line on H-1 near Sta. 88+00± to 100+00± shall be removed by the Contractor after Ramp "E" becomes operational as a two-lane exit ramp.
7. See typical detail sht. D1 for additional reflector marker details.
8. Signs less than 10 sq. ft. in area shall be mounted on highway lighting standards with 2 band brackets each, except that sign R3-44 shall be mounted with 2 sets of band brackets and back braces.

PAVEMENT MARKING SUMMARY

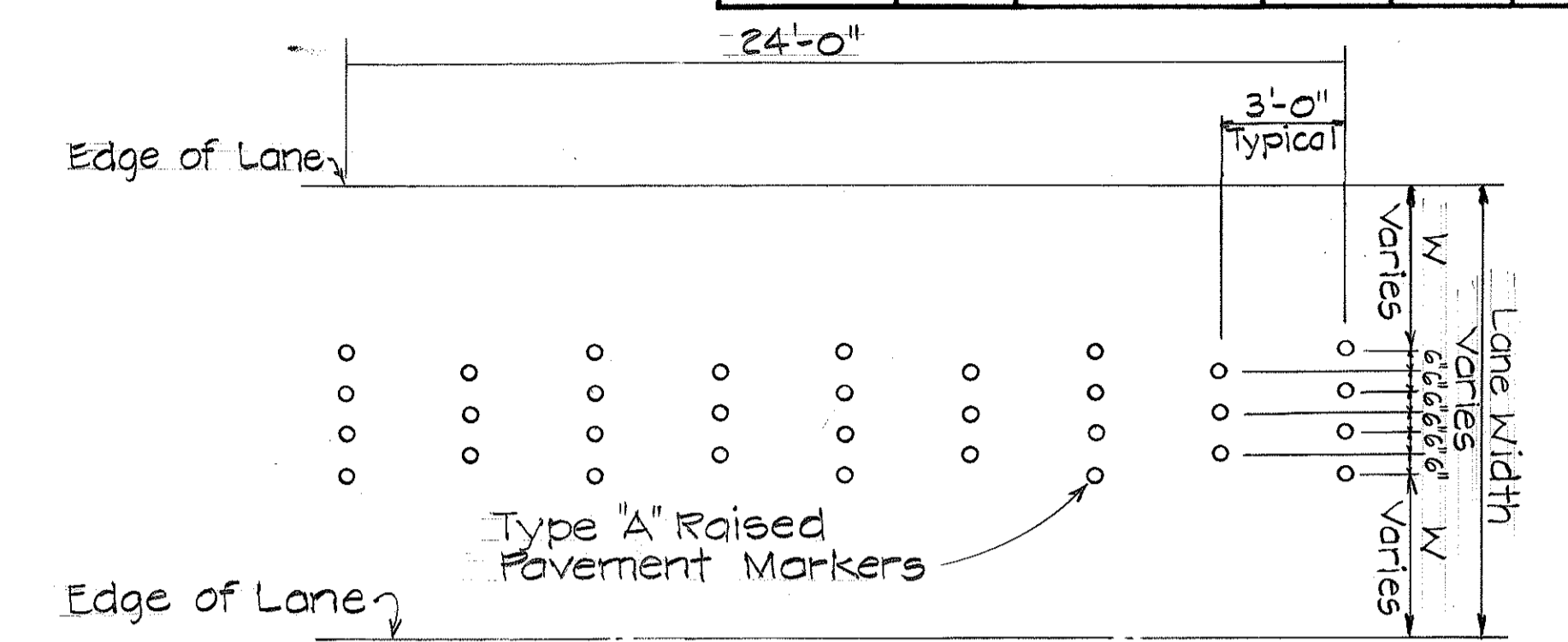
DESCRIPTION	QUANTITY
Raised Pavement Marker:	
Type "A"	680 ea.
Type "C"	372 ea.
Type "D"	32 ea.
Type "H"	95 ea.
4" Pavement Striping (Tape)	970 L.F.
8" Pavement Striping (Tape)	2,575 L.F.
12" Pavement Striping (Tape)	800 L.F.
Double 4" Pavement Striping (Tape)	2,950 L.F.
Crosswalk (Tape)	13 Lanes
Pavement Arrow (Tape)	29 ea.
Pavement Word (Tape)	5 ea.
4" Edge Striping (Tape or Thermoplastic Extrusion)	9,150 L.F.
12" Transverse Stripes (Thermoplastic Extrusion)	150 L.F.

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

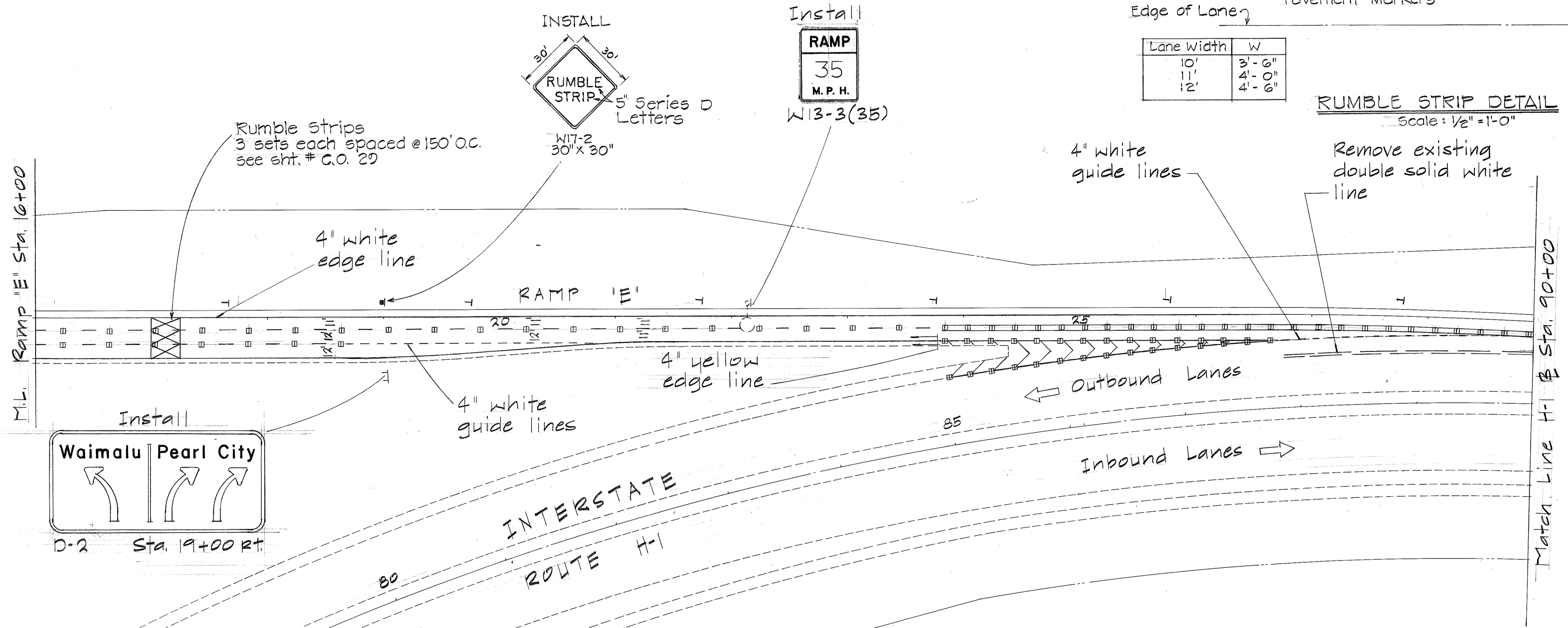
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
SIGNING & PAVEMENT MARKING PLAN
 Interstate Route H-1
 Pearl City Off-Ramp Improvements
 F.A.I. Proj. No. I-IR-HI-1(IG5):10
 Feb. 1983
 SHEET No. 51 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(165):10	1983	30	64

TRUE NORTH
Scale: 1/4" = 50'



RUMBLE STRIP DETAIL
Scale: 1/2" = 1'-0"

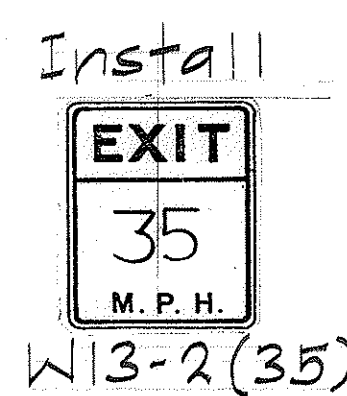
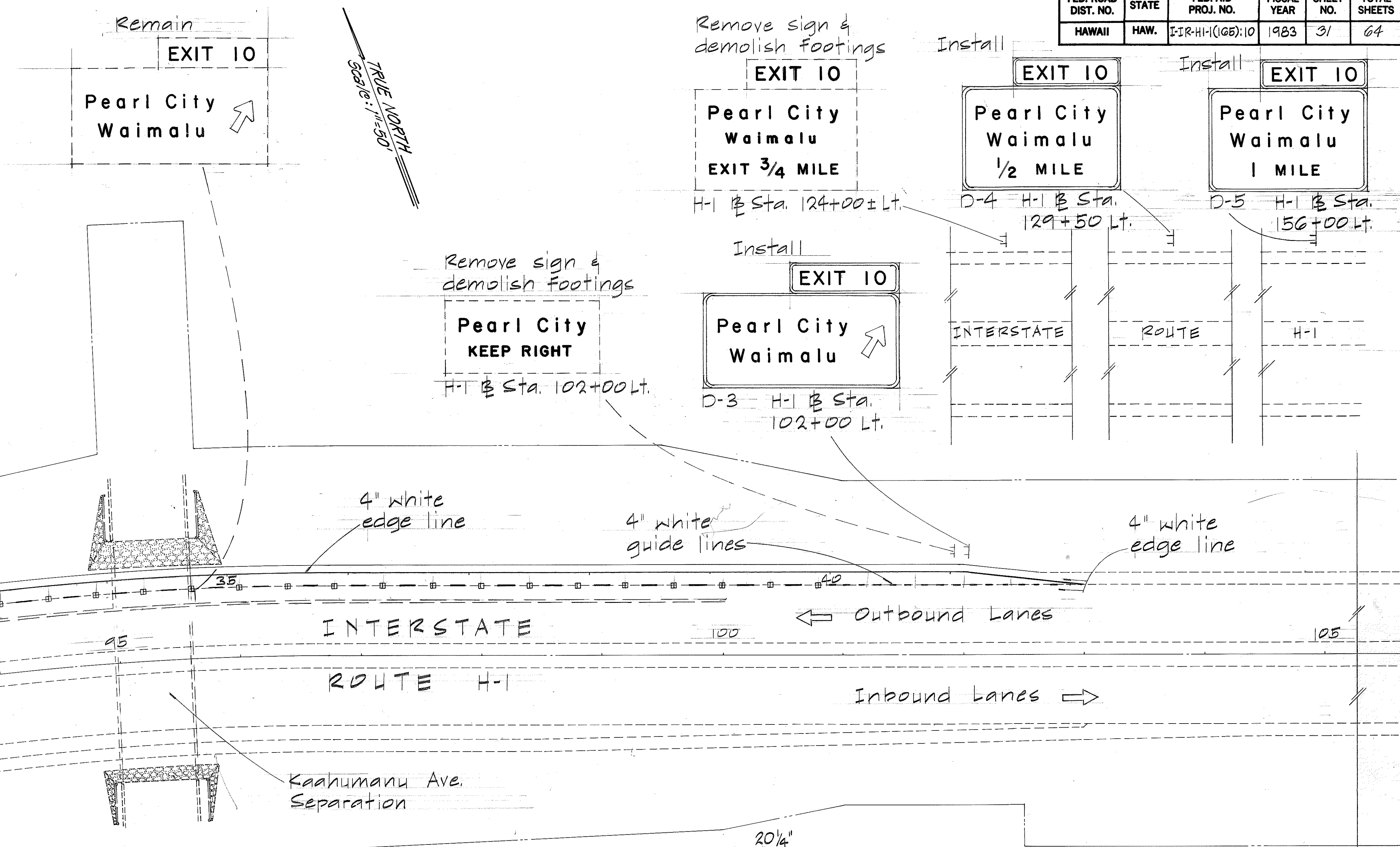


ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

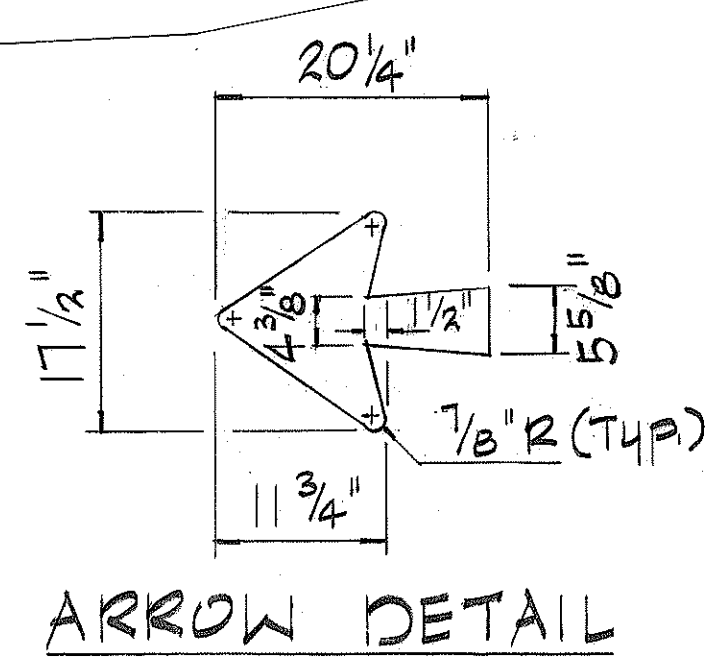
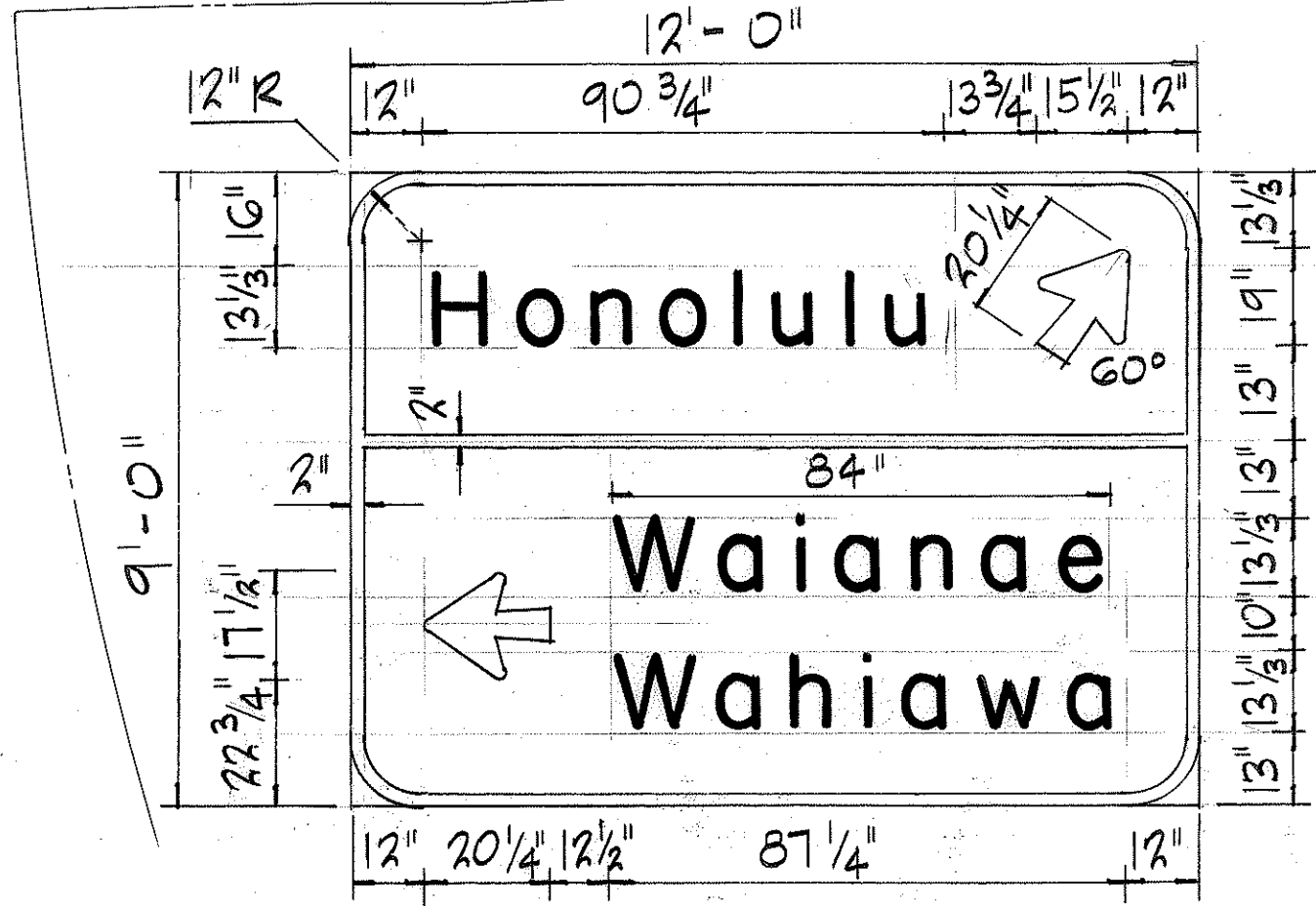
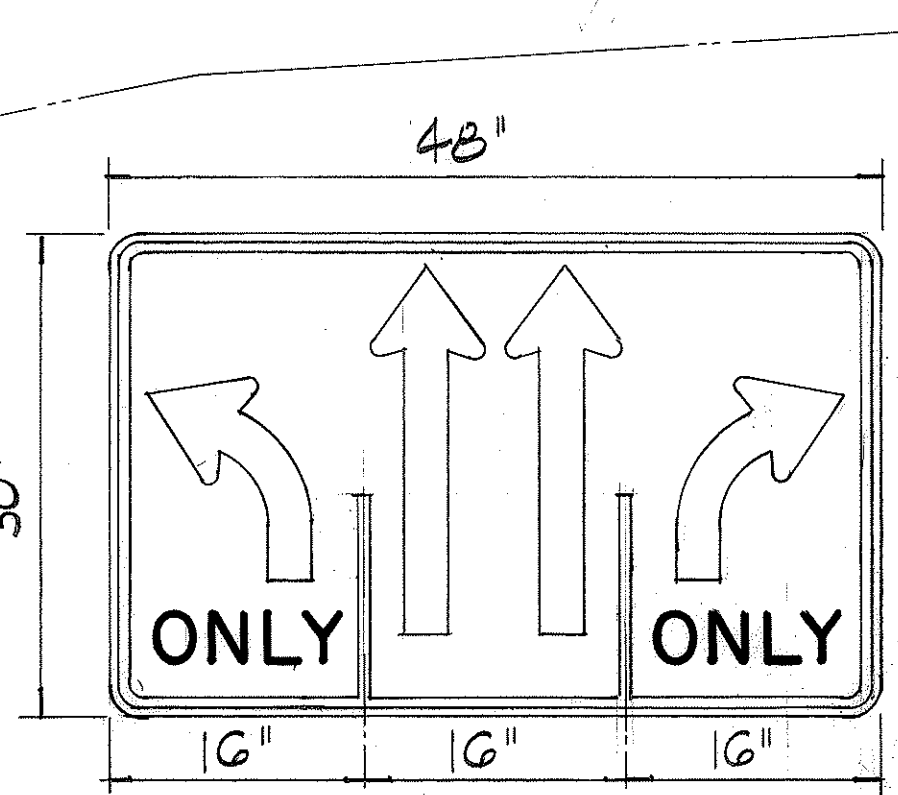
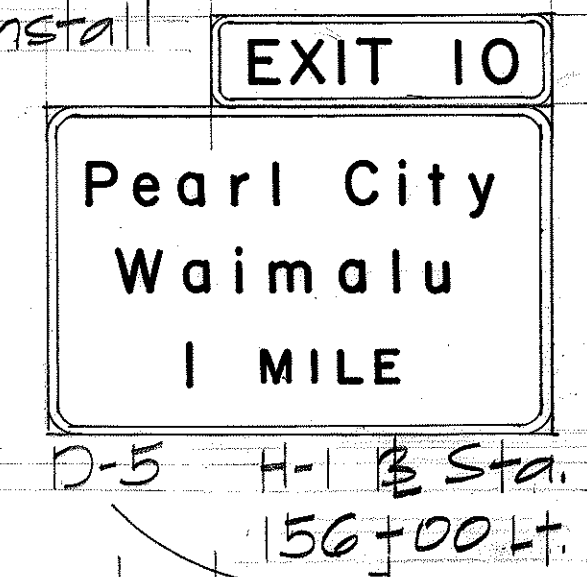
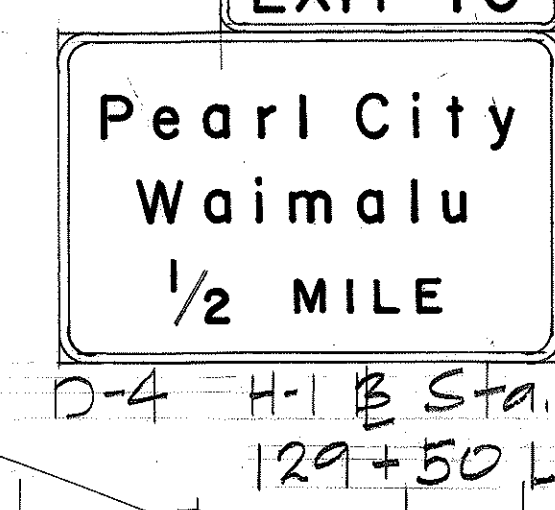
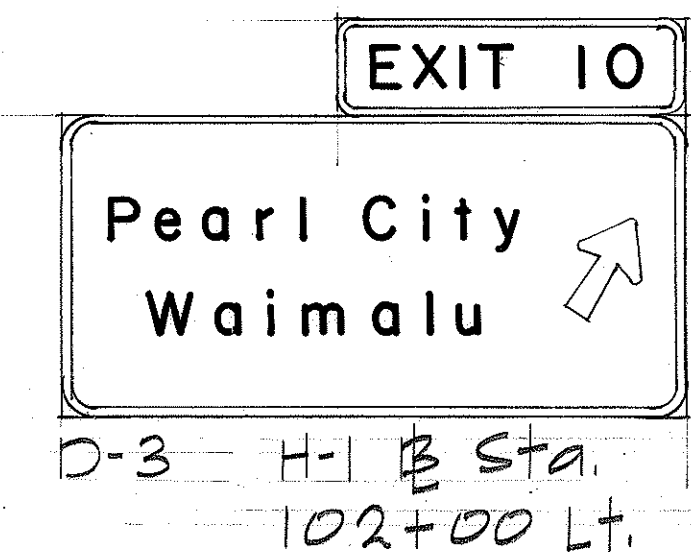
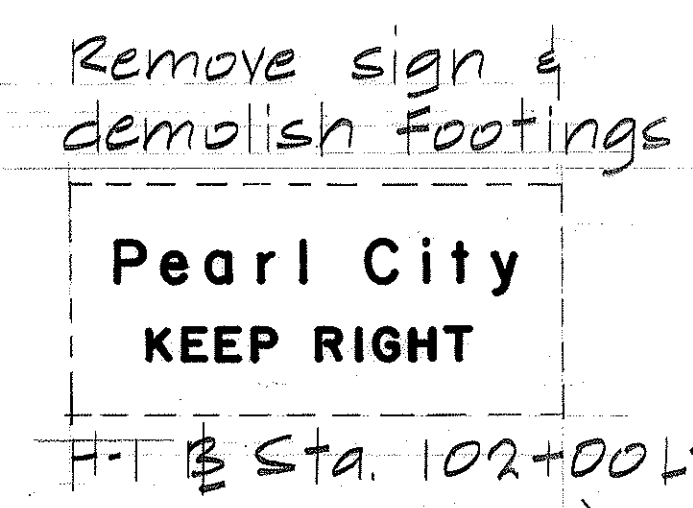
6-6-83	Added rumble strips, rumble strip detail
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
Interstate Route H-1
Pearl City Off-Ramp Improvements
FAI Proj. No. I-IR-HI-1(165):10
Scale: As Shown Feb. 1983
SHEET NO. 30 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(IG5):10	1983	31	64



Remove existing double solid white line



MISCELLANEOUS SIGNS

NOTE

1. Sign R3-44 shall conform to plans & specifications for Regulatory Signs.
2. Sign R3-44 is a variation of sign R3-8. Plate & arrow details shall conform to sign R3-8 unless otherwise shown.
3. For additional details of sign D-6 see plan sht. #55

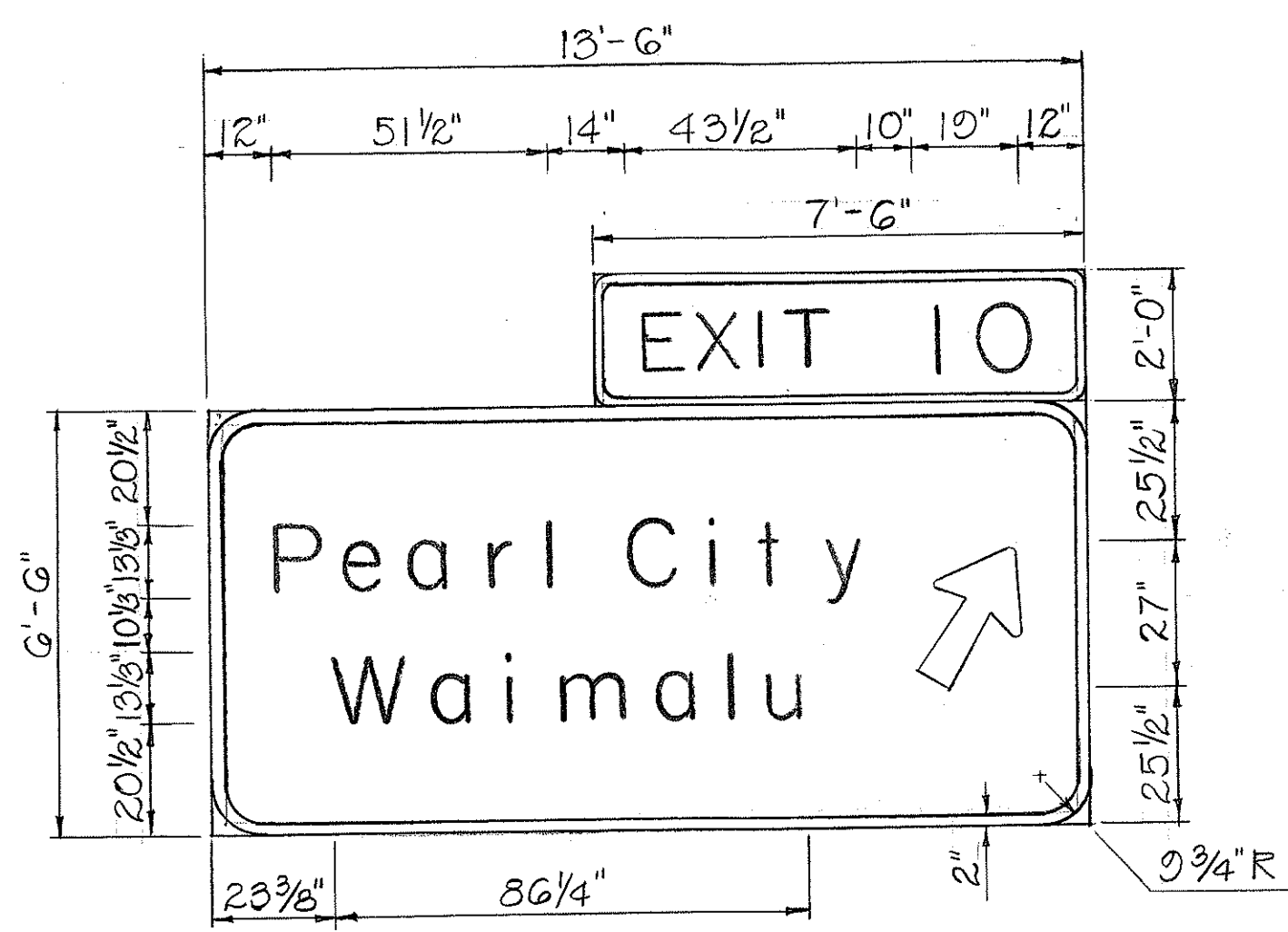
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
CHECKED BY	
QUANTITIES BY	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
Interstate Route H-1
Pearl City Off-Ramp Improvements
F.A.I. Proj. No. I-IR-HI-1(IG5):10
Scale: As Shown Feb. 1983
SHEET No. 31 OF 5 SHEETS

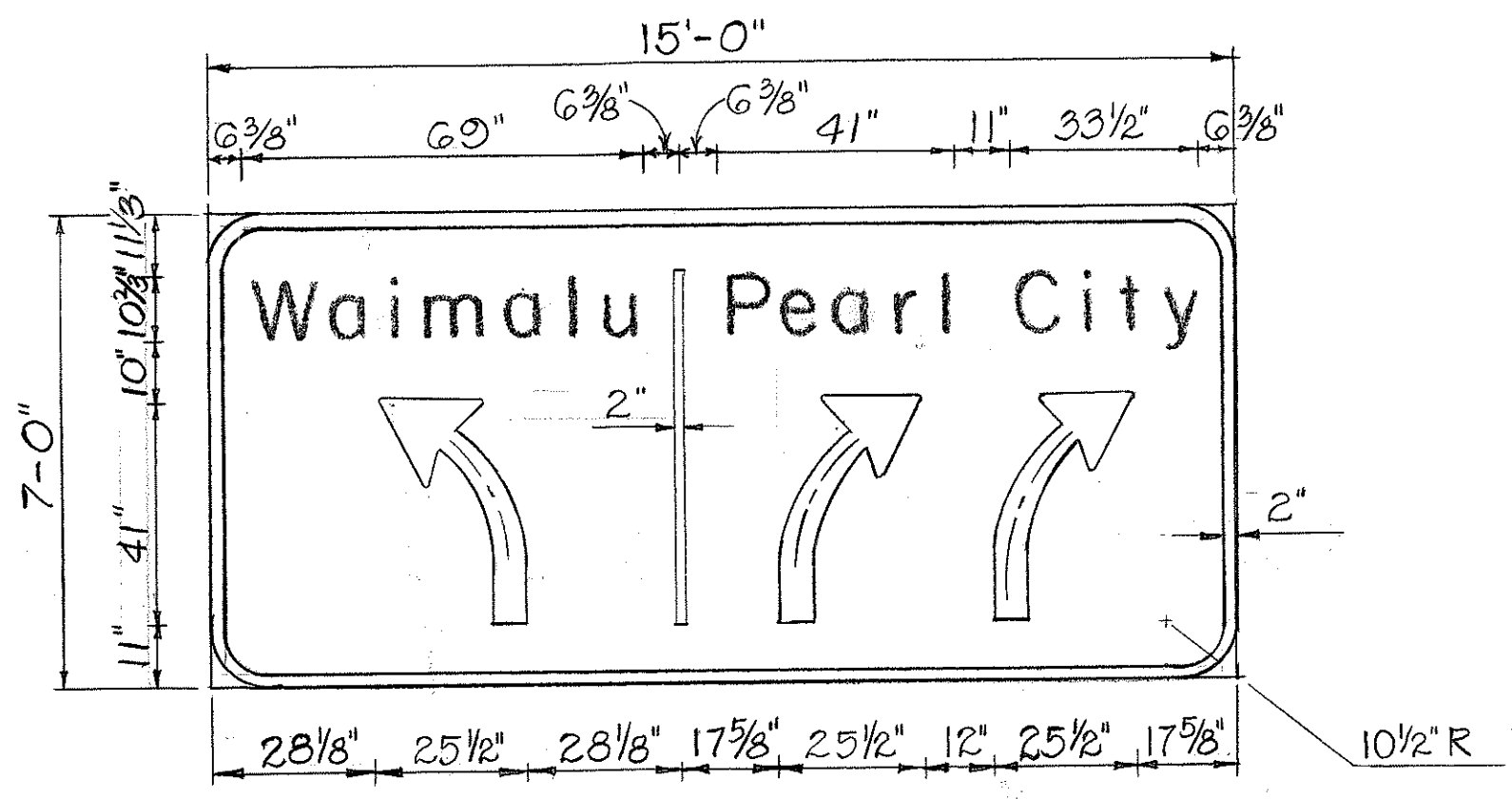
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(165)10	1983	32	64

GENERAL NOTES

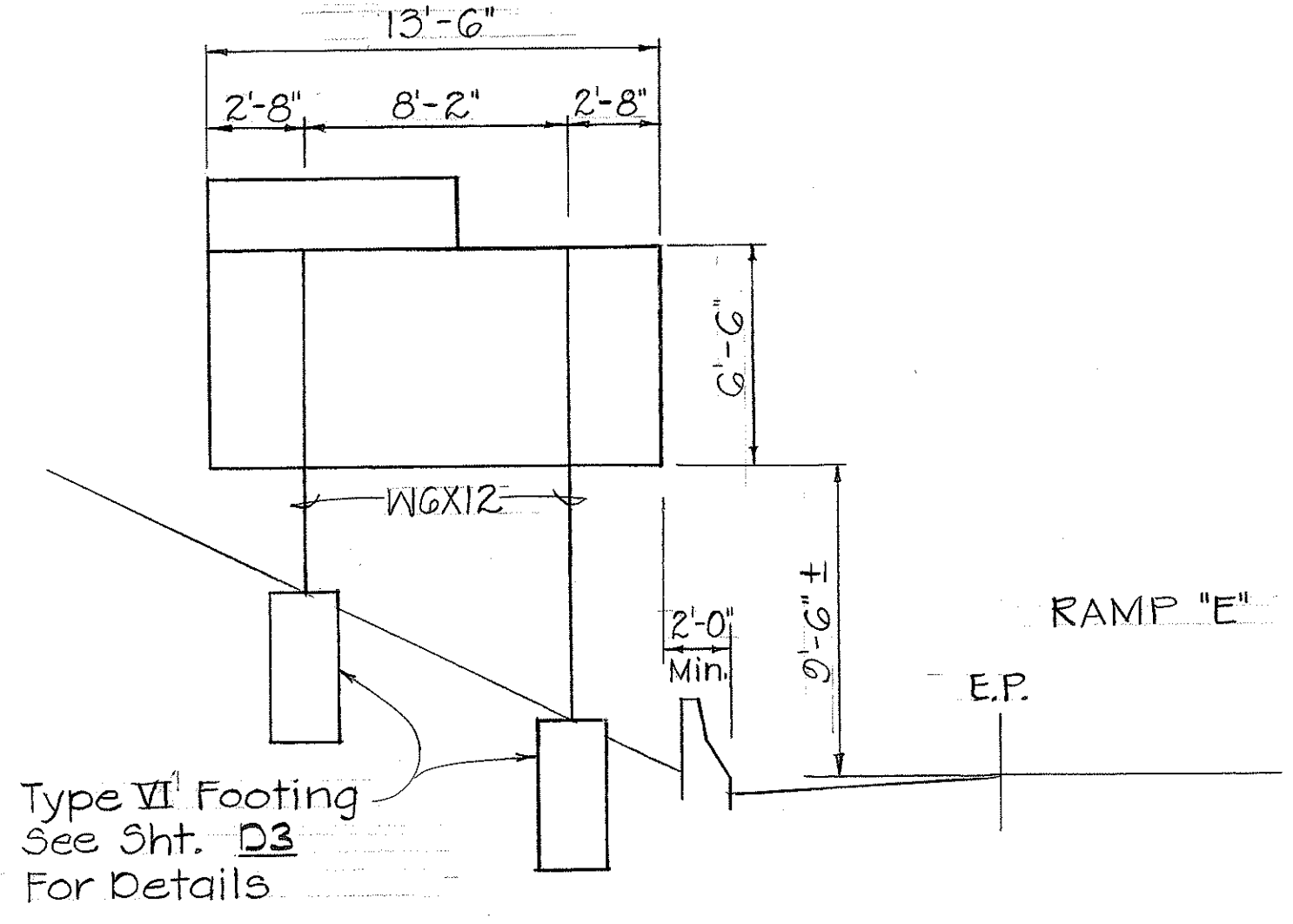
- Signs shall conform to the latest editions & amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets & Highways" (MUTCD).
 - "Standard Highway Signs".
 - "Standard Alphabets for Highway Signs".
- Use Series "E" (M) numerals & letters.
- The final locations of sign frames & panels shall be determined in the field by the Engineer.
- Messages, arrows and borders shall be reflectorized with porcelain enameled aluminum cutouts with acrylic plastic reflex reflectors. Background shall be reflectorized with Type B reflective sheeting.



D-3



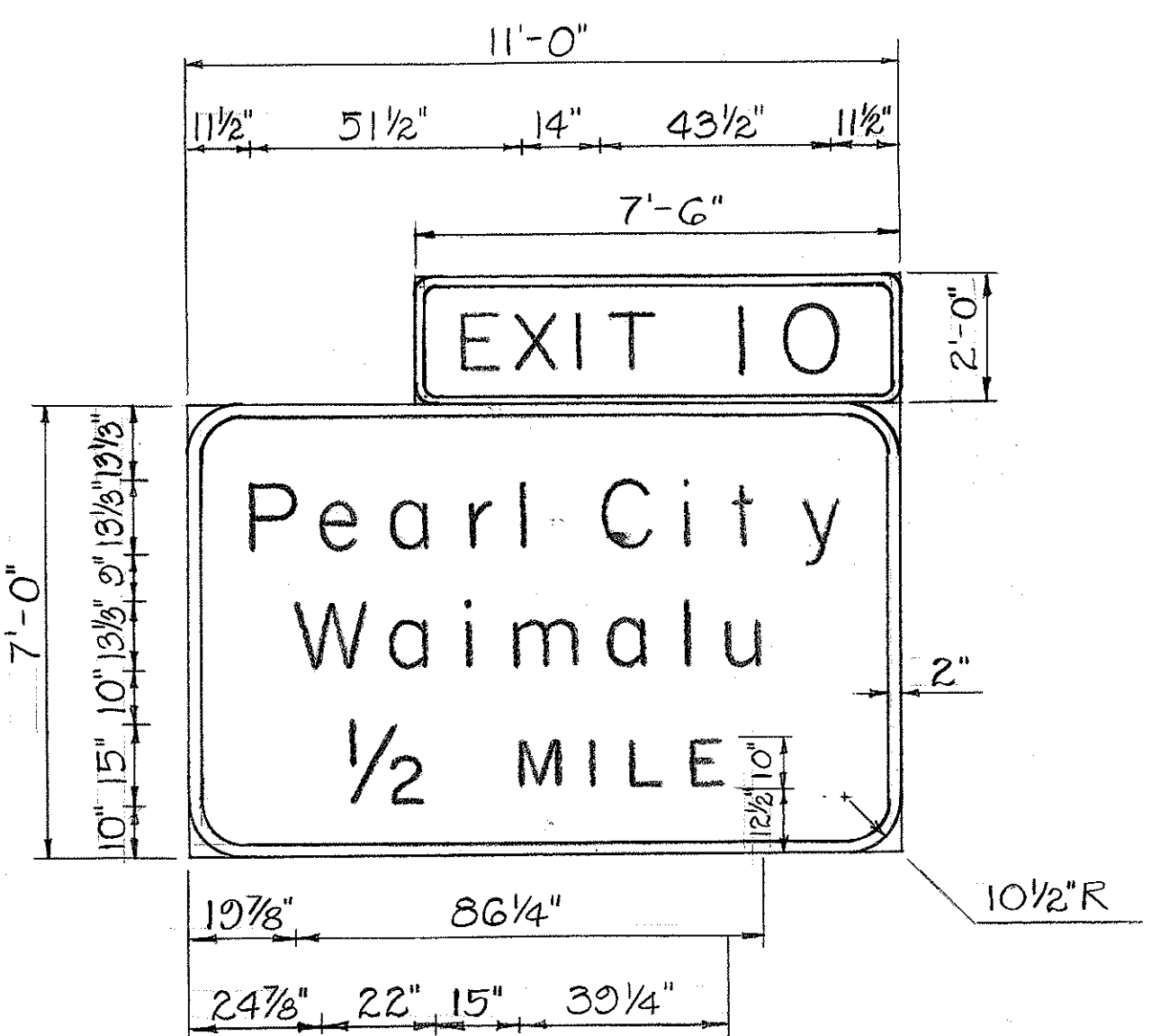
D-1 & D-2



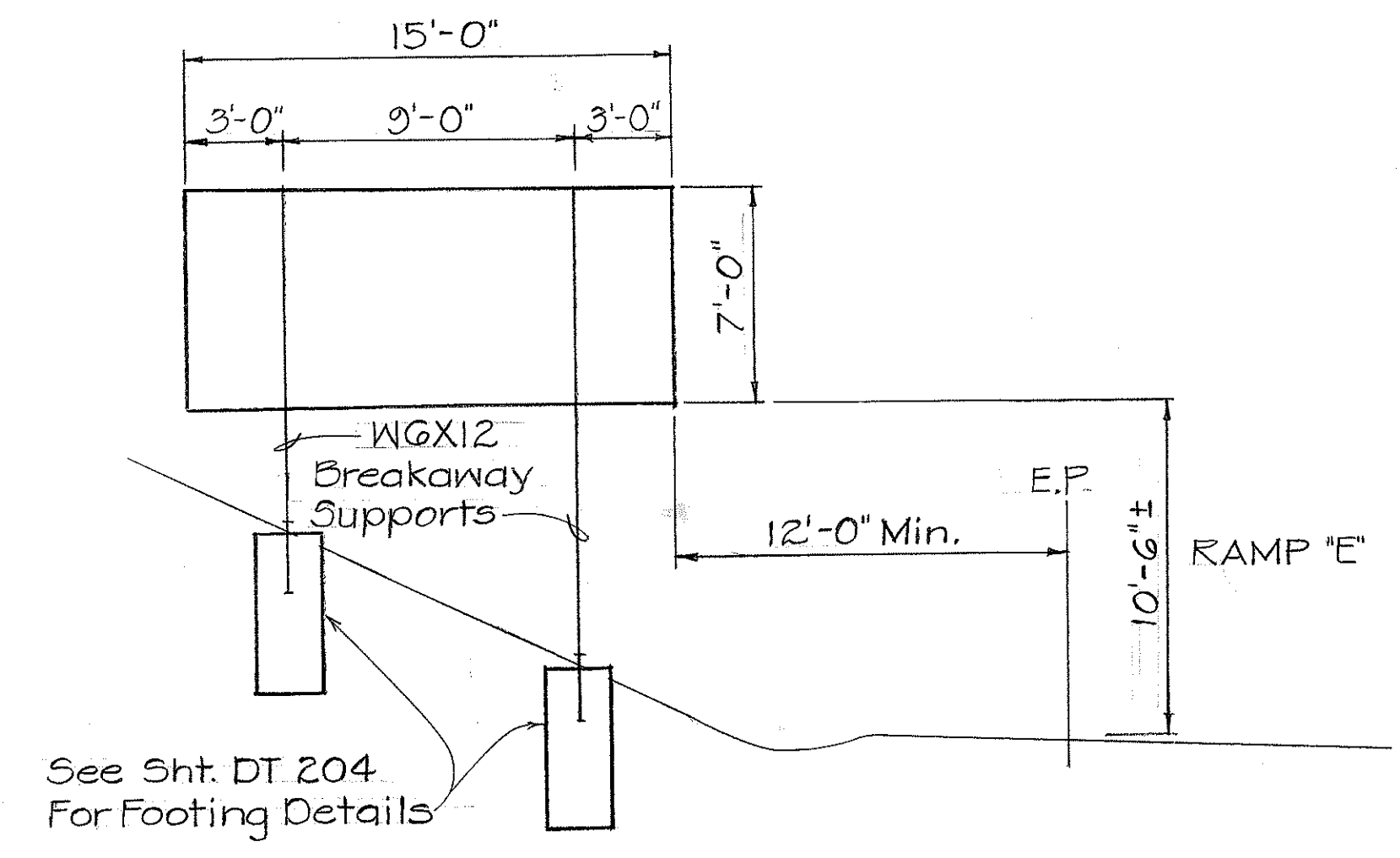
Type VI Footing
See Sht. D3
For Details

D-3

H-1 Sta. 102+00 Lt.

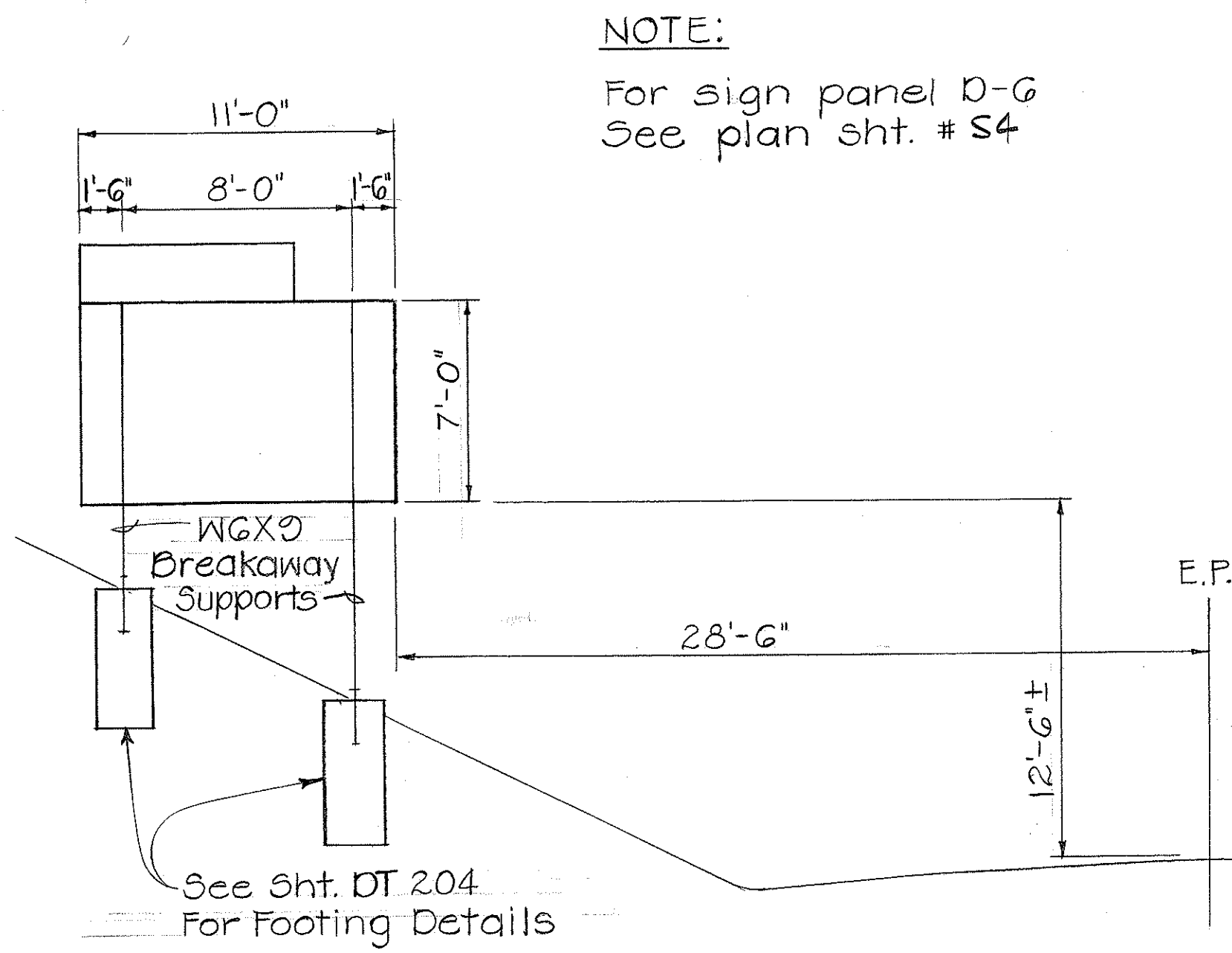


D-4



D-1

Ramp "E" Sta. 14+00 Lt.



NOTE:

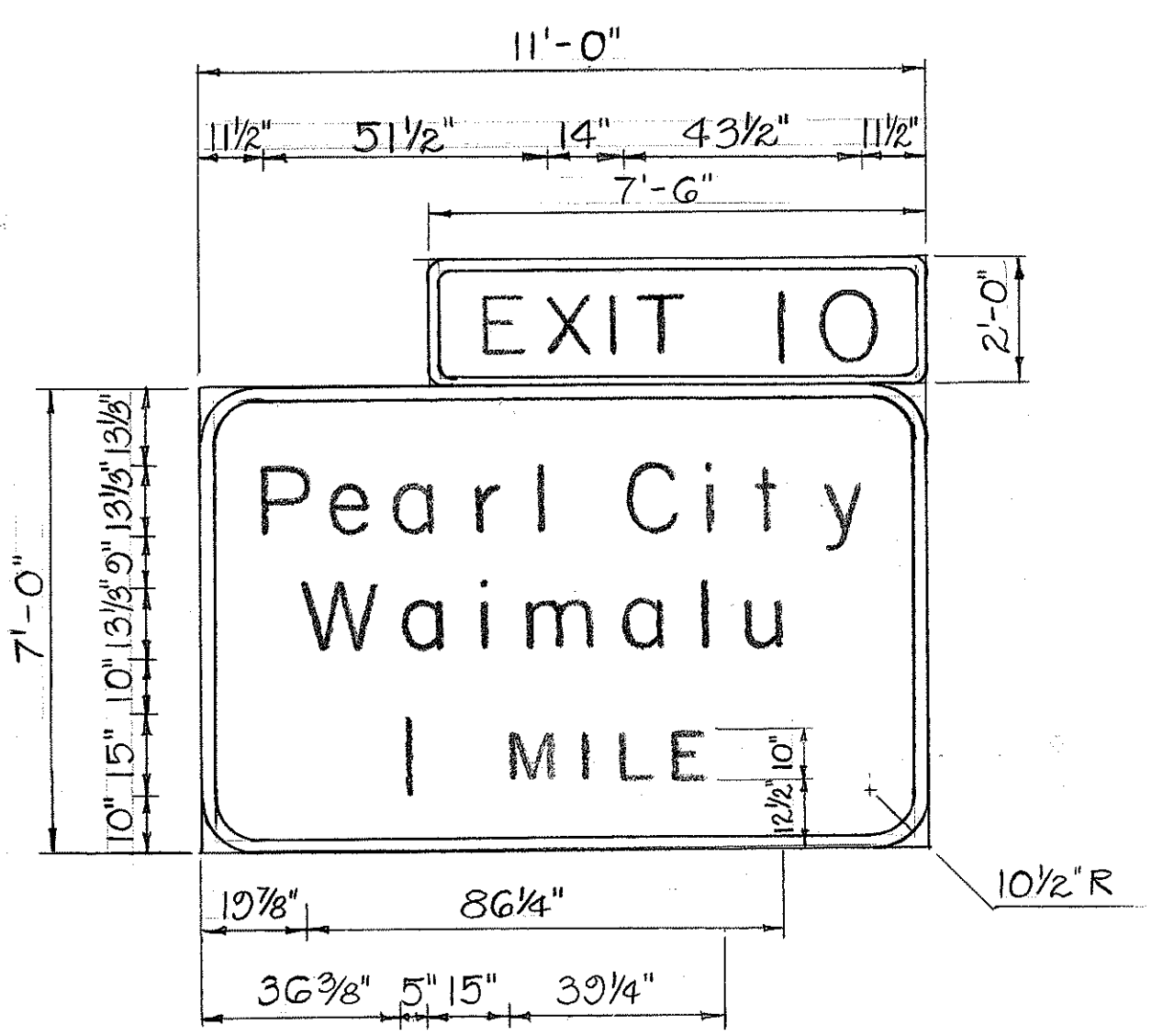
For sign panel D-6
See plan sht. # S4

D-4

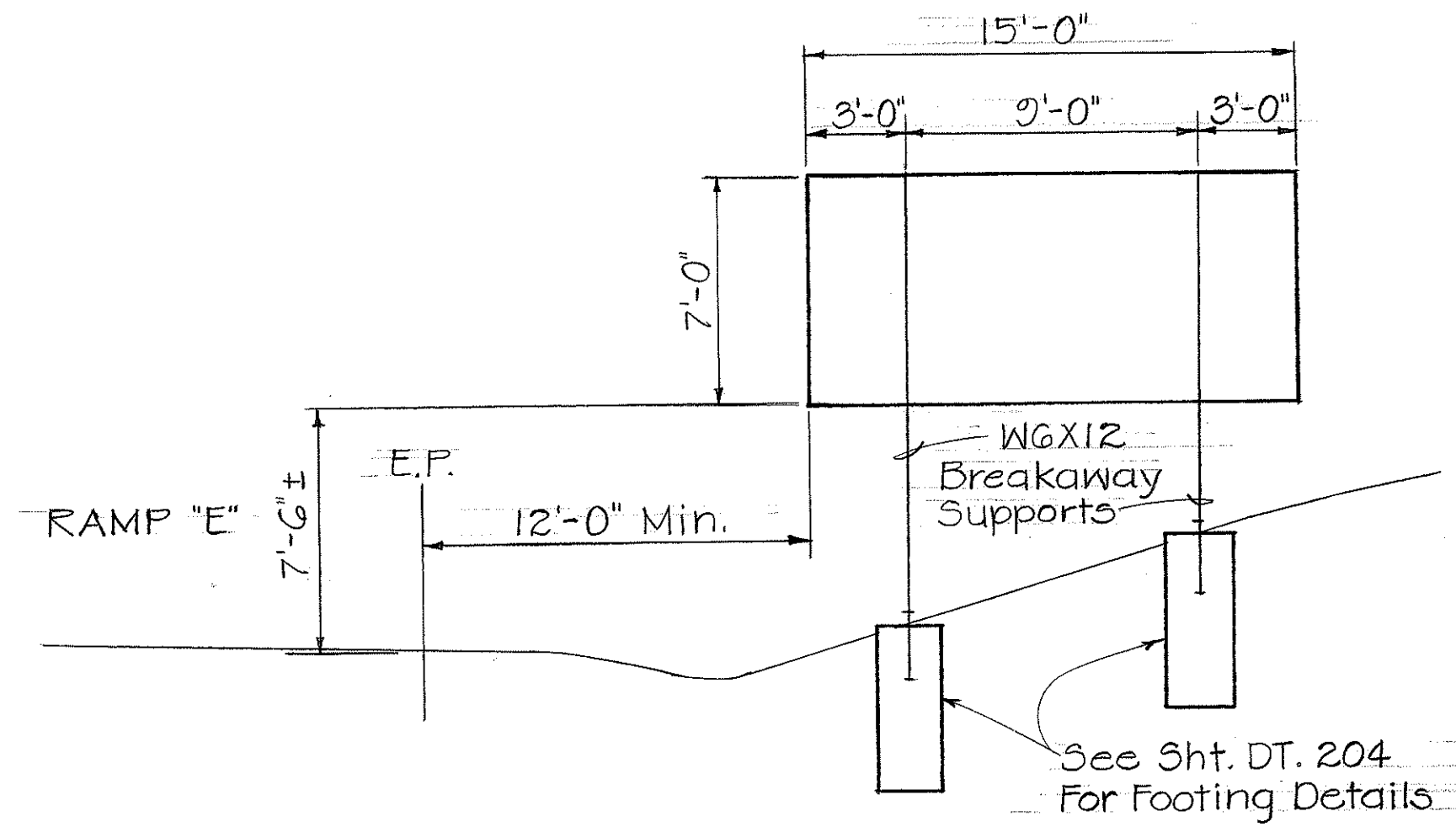
H-1 Sta. 129+50 Lt.

D-5

H-1 Sta. 156+00 Lt.

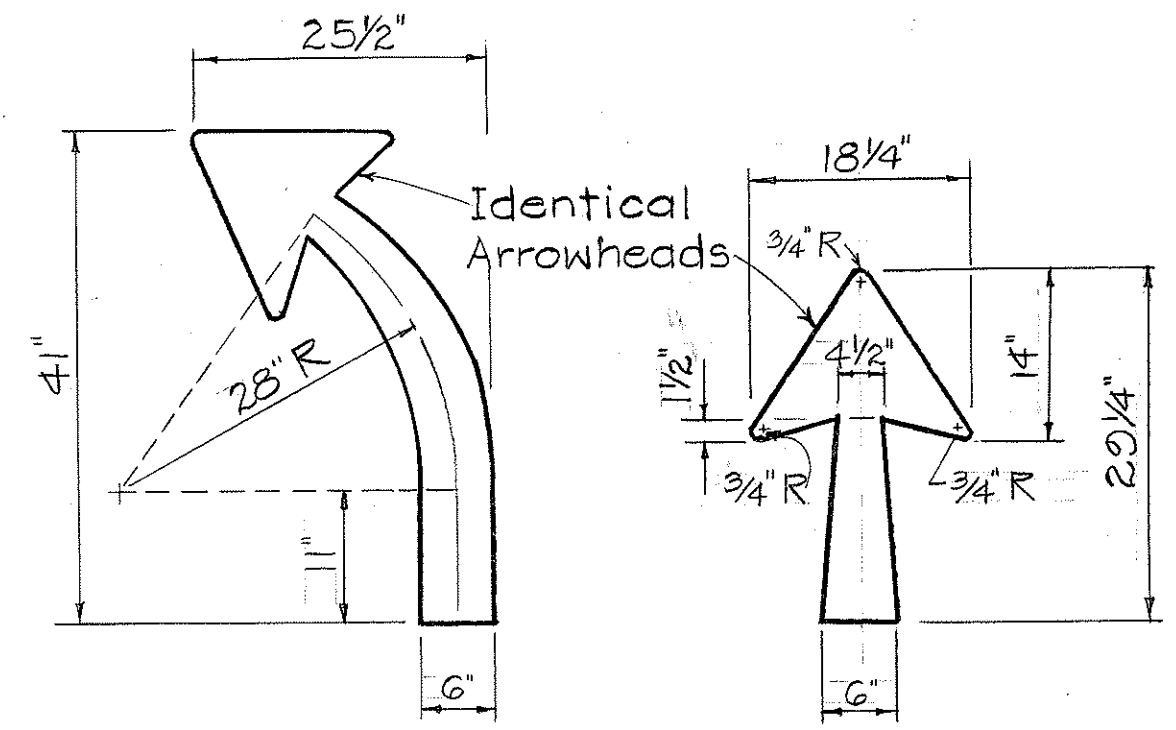


D-5



D-2

Ramp "E" Sta. 19+00 Rt.



ARROW DETAILS
Scale: 3/4" = 1'-0"

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DESTINATION SIGNS

Interstate Route H-1
Pearl City Off-Ramp Improvements
F.A.I. Proj. No. I-IR-HI-1(165)10
Scale: As Shown Feb. 1983

SHEET No. S5 OF 5 SHEETS