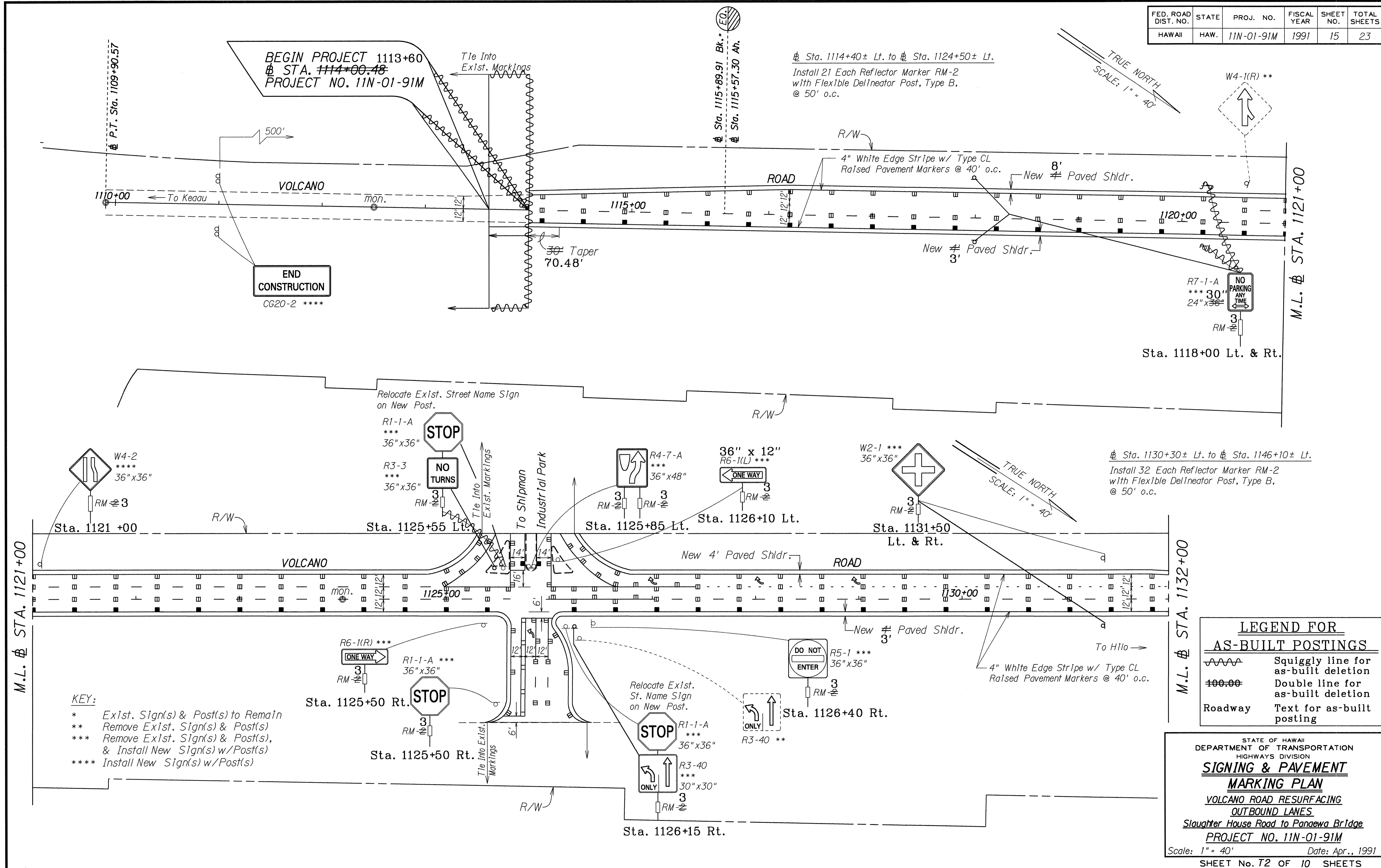


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	15	23



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

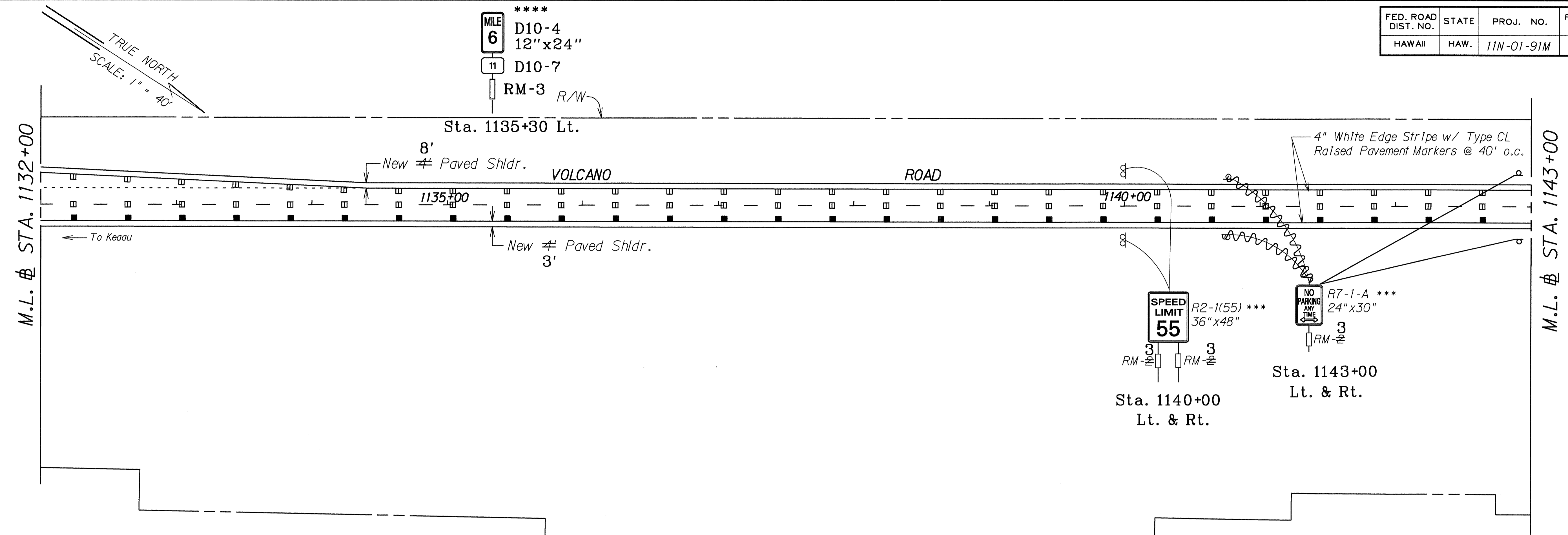
- KEY:**
- \* Exist. Sign(s) & Post(s) to Remain
  - \*\* Remove Exist. Sign(s) & Post(s)
  - \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
  - \*\*\*\* Install New Sign(s) w/Post(s)

**LEGEND FOR AS-BUILT POSTINGS**

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
VOLCANO ROAD RESURFACING  
OUTBOUND LANES  
Slaughter House Road to Panewa Bridge  
PROJECT NO. 11N-01-91M  
Scale: 1" = 40' Date: Apr., 1991  
SHEET No. T2 OF 10 SHEETS

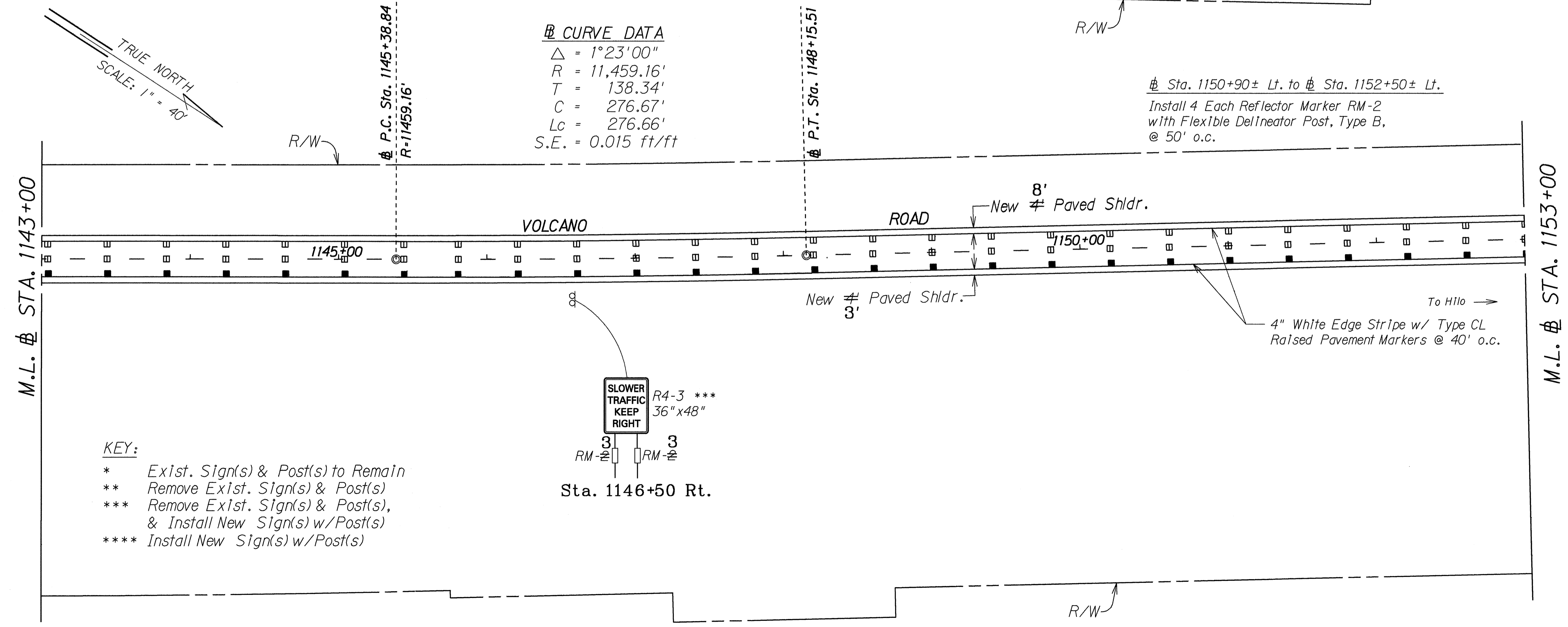
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	16	23



**CURVE DATA**

$\Delta$	=	1°23'00"
R	=	11,459.16'
T	=	138.34'
C	=	276.67'
Lc	=	276.66'
S.E.	=	0.015 ft/ft

Sta. 1150+90± Lt. to Sta. 1152+50± Lt.  
 Install 4 Each Reflector Marker RM-2  
 with Flexible Delinicator Post, Type B,  
 @ 50' o.c.



- KEY:**
- \* Exist. Sign(s) & Post(s) to Remain
  - \*\* Remove Exist. Sign(s) & Post(s)
  - \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
  - \*\*\*\* Install New Sign(s) w/Post(s)

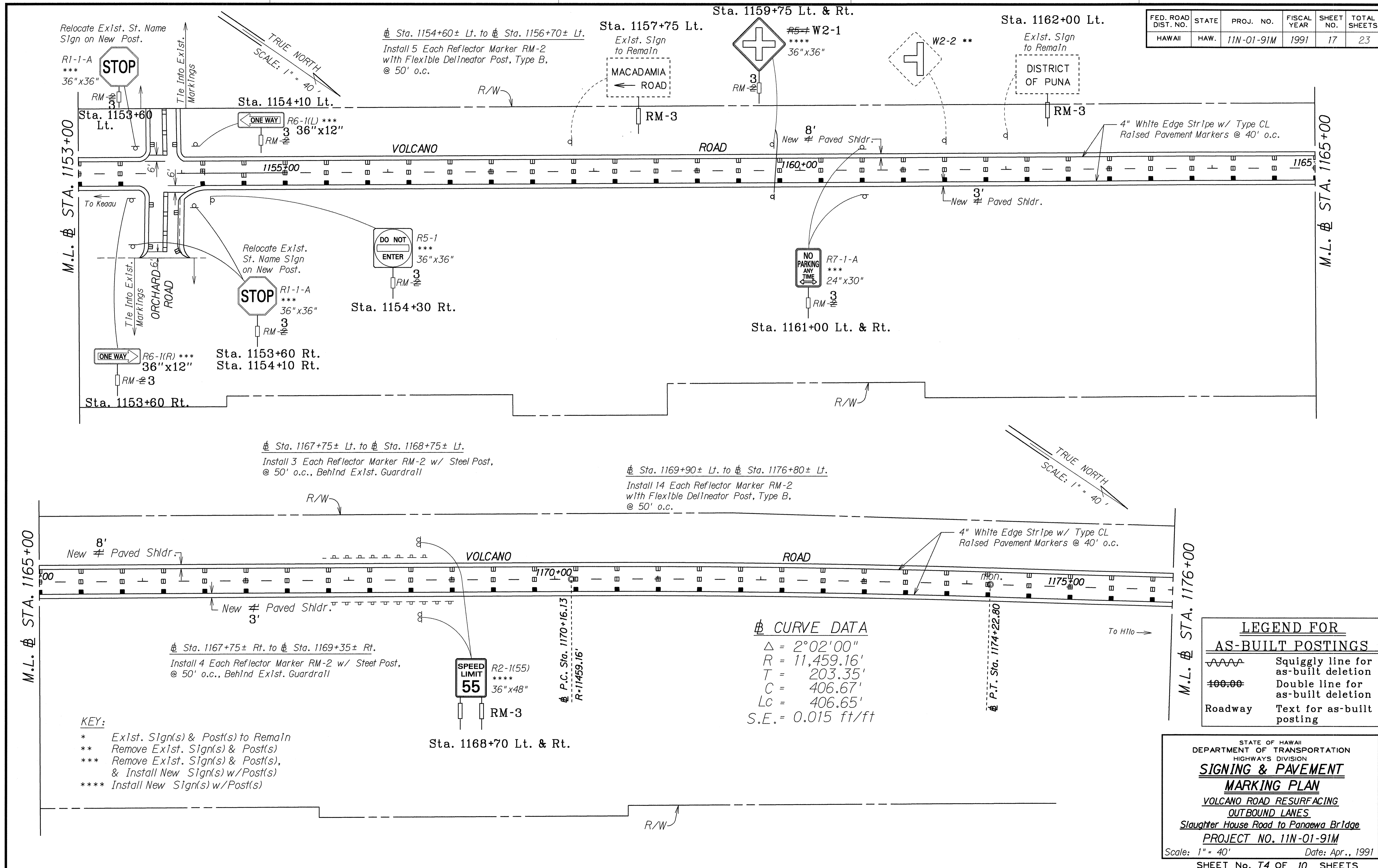
**LEGEND FOR AS-BUILT POSTINGS**

	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
 VOLCANO ROAD RESURFACING  
 OUTBOUND LANES  
 Slaughter House Road to Panaewa Bridge  
 PROJECT NO. 11N-01-91M  
 Scale: 1" = 40' Date: Apr., 1991  
 SHEET No. 16 OF 10 SHEETS

DESIGNED BY	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO. 112/00	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	17	23



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
DATE	

- KEY:**
- \* Exist. Sign(s) & Post(s) to Remain
  - \*\* Remove Exist. Sign(s) & Post(s)
  - \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
  - \*\*\*\* Install New Sign(s) w/Post(s)

**CURVE DATA**

$\Delta$	=	2°02'00"
R	=	11,459.16'
T	=	203.35'
C	=	406.67'
Lc	=	406.65'
S.E.	=	0.015 ft/ft

**LEGEND FOR AS-BUILT POSTINGS**

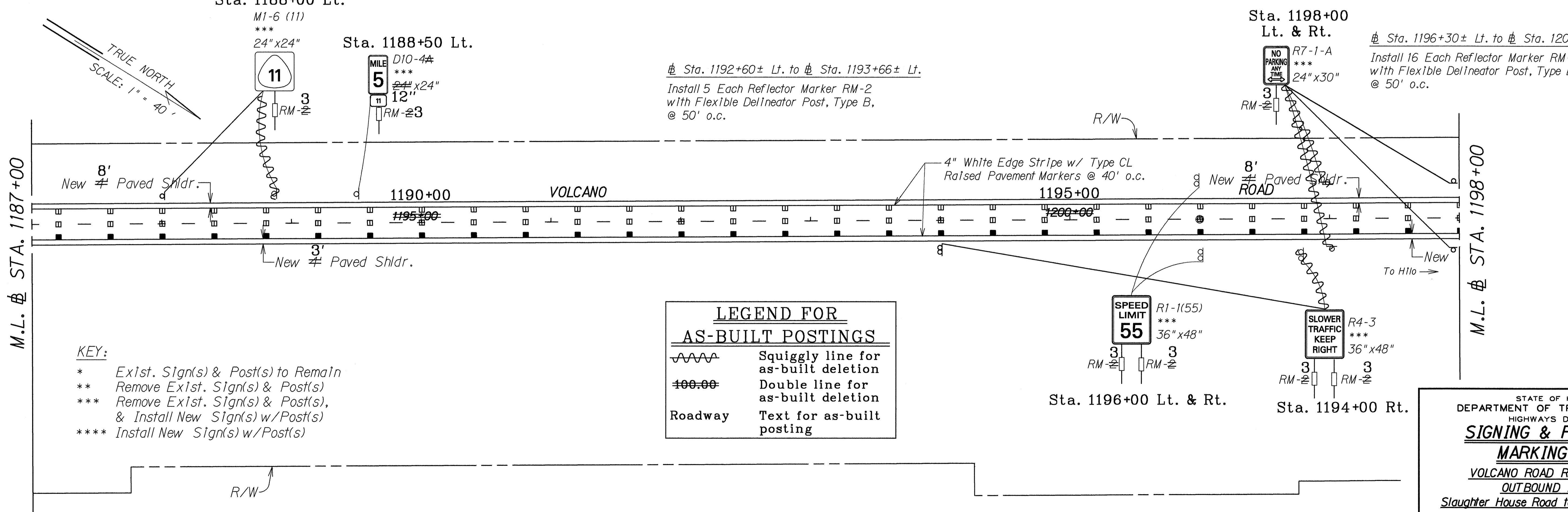
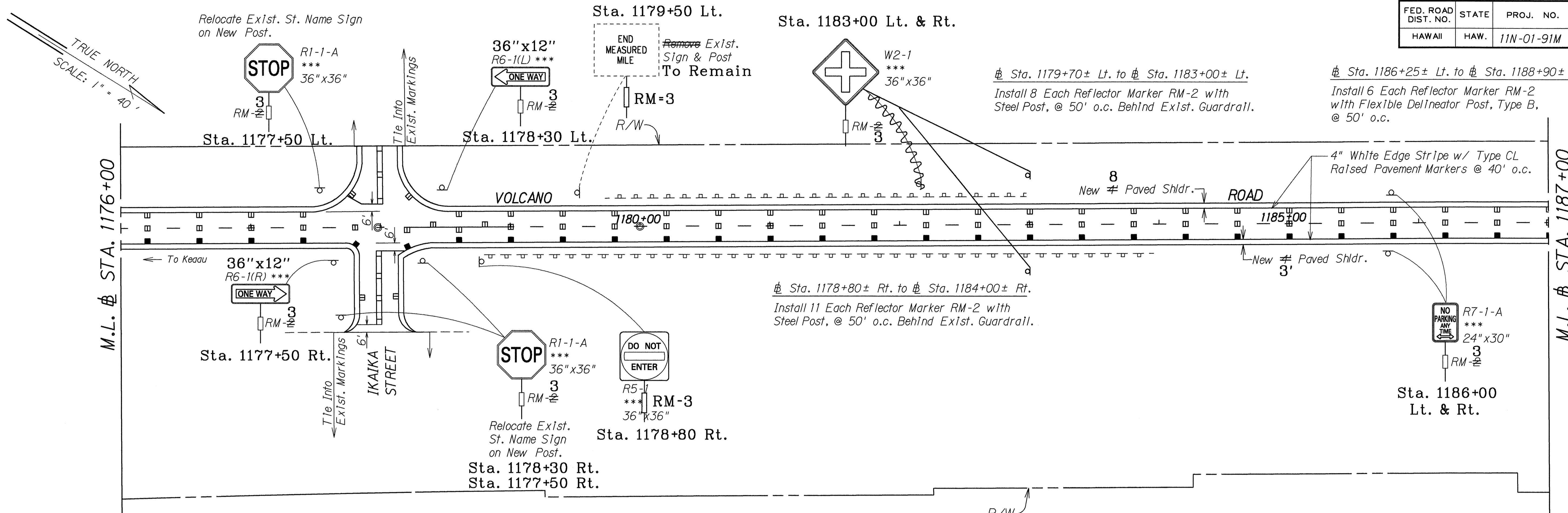
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**

VOLCANO ROAD RESURFACING  
OUTBOUND LANES  
Slaughter House Road to Panaewa Bridge  
PROJECT NO. 11N-01-91M  
Scale: 1" = 40' Date: Apr., 1991  
SHEET No. T4 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	18	23



- KEY:**
- \* Exist. Sign(s) & Post(s) to Remain
  - \*\* Remove Exist. Sign(s) & Post(s)
  - \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
  - \*\*\*\* Install New Sign(s) w/Post(s)

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

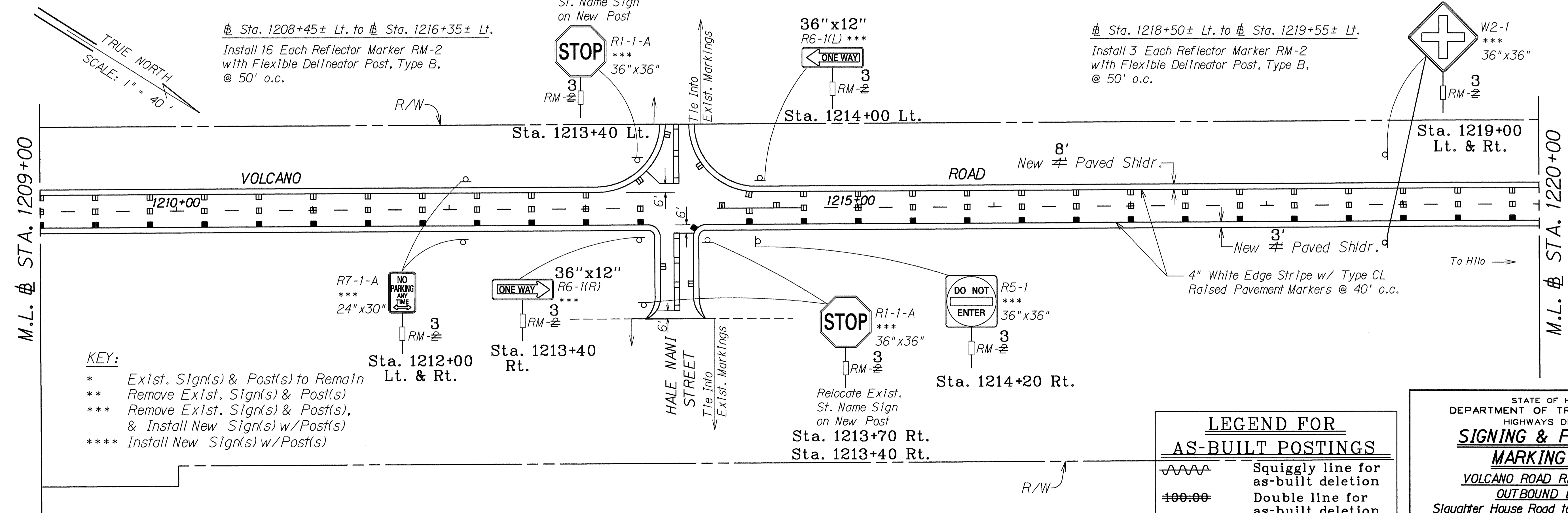
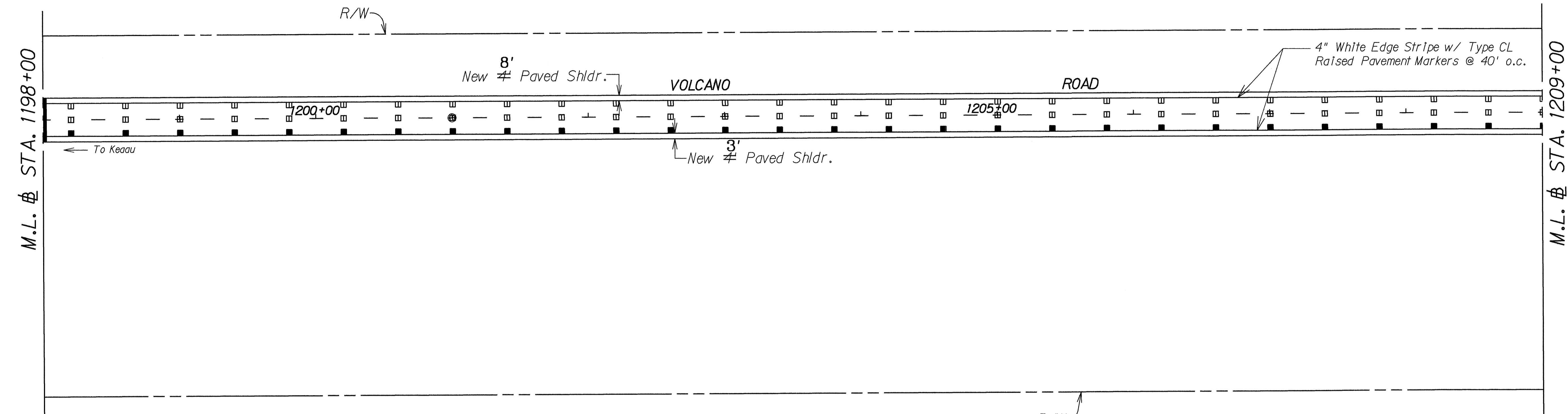
SURVEY PLOTTED BY	DATE	X
DESIGNED BY		
NOTED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		
NO.		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
VOLCANO ROAD RESURFACING  
OUTBOUND LANES  
Slaughter House Road to Panewa Bridge  
PROJECT NO. 11N-01-91M  
Scale: 1" = 40' Date: Apr., 1991  
SHEET No. T5 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	19	23

TRUE NORTH  
SCALE: 1" = 40'

Sta. 1204+20± Lt. to Sta. 1205+30± Lt.  
Install 3 Each Reflector Marker RM-2  
with Flexible DelIneator Post, Type B,  
@ 50' o.c.



Sta. 1208+45± Lt. to Sta. 1216+35± Lt.  
Install 16 Each Reflector Marker RM-2  
with Flexible DelIneator Post, Type B,  
@ 50' o.c.

Sta. 1218+50± Lt. to Sta. 1219+55± Lt.  
Install 3 Each Reflector Marker RM-2  
with Flexible DelIneator Post, Type B,  
@ 50' o.c.

- KEY:**
- \* Exist. Sign(s) & Post(s) to Remain
  - \*\* Remove Exist. Sign(s) & Post(s)
  - \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
  - \*\*\*\* Install New Sign(s) w/Post(s)

**LEGEND FOR AS-BUILT POSTINGS**

	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
VOLCANO ROAD RESURFACING  
OUTBOUND LANES  
Slaughter House Road to Panaewa Bridge  
PROJECT NO. 11N-01-91M  
Scale: 1" = 40' Date: Apr., 1991  
SHEET No. T6 OF 10 SHEETS

DESIGNED BY	DATE
TRACED BY	
NOTED BY	
CHECKED BY	
DATE	

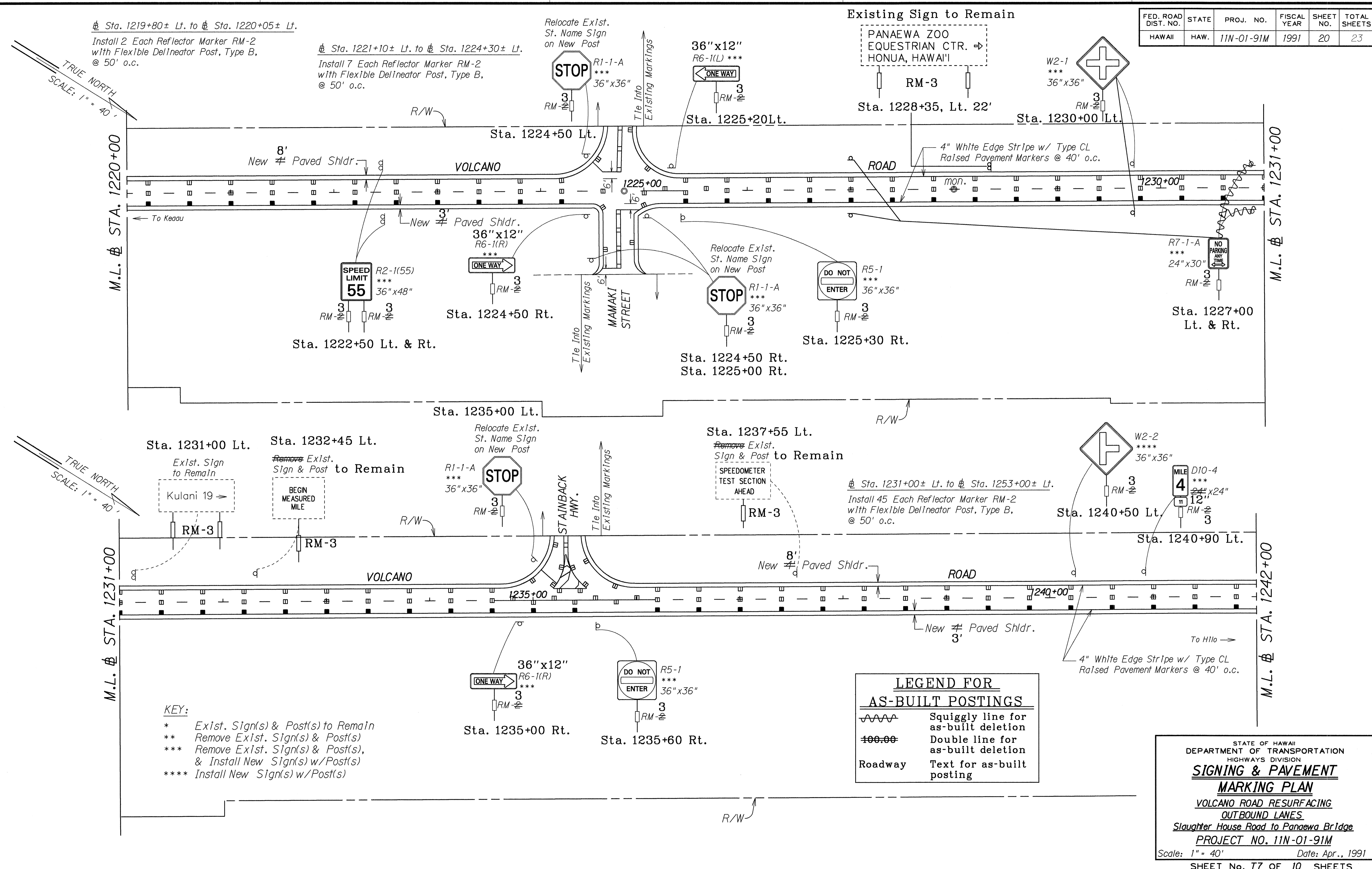
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	20	23

Sta. 1219+80± Lt. to Sta. 1220+05± Lt.

Install 2 Each Reflector Marker RM-2 with Flexible Delineator Post, Type B, @ 50' o.c.

Sta. 1221+10± Lt. to Sta. 1224+30± Lt.

Install 7 Each Reflector Marker RM-2 with Flexible Delineator Post, Type B, @ 50' o.c.



M.L. STA. 1220+00

M.L. STA. 1231+00

M.L. STA. 1231+00

M.L. STA. 1242+00

**KEY:**

- \* Exist. Sign(s) & Post(s) to Remain
- \*\* Remove Exist. Sign(s) & Post(s)
- \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

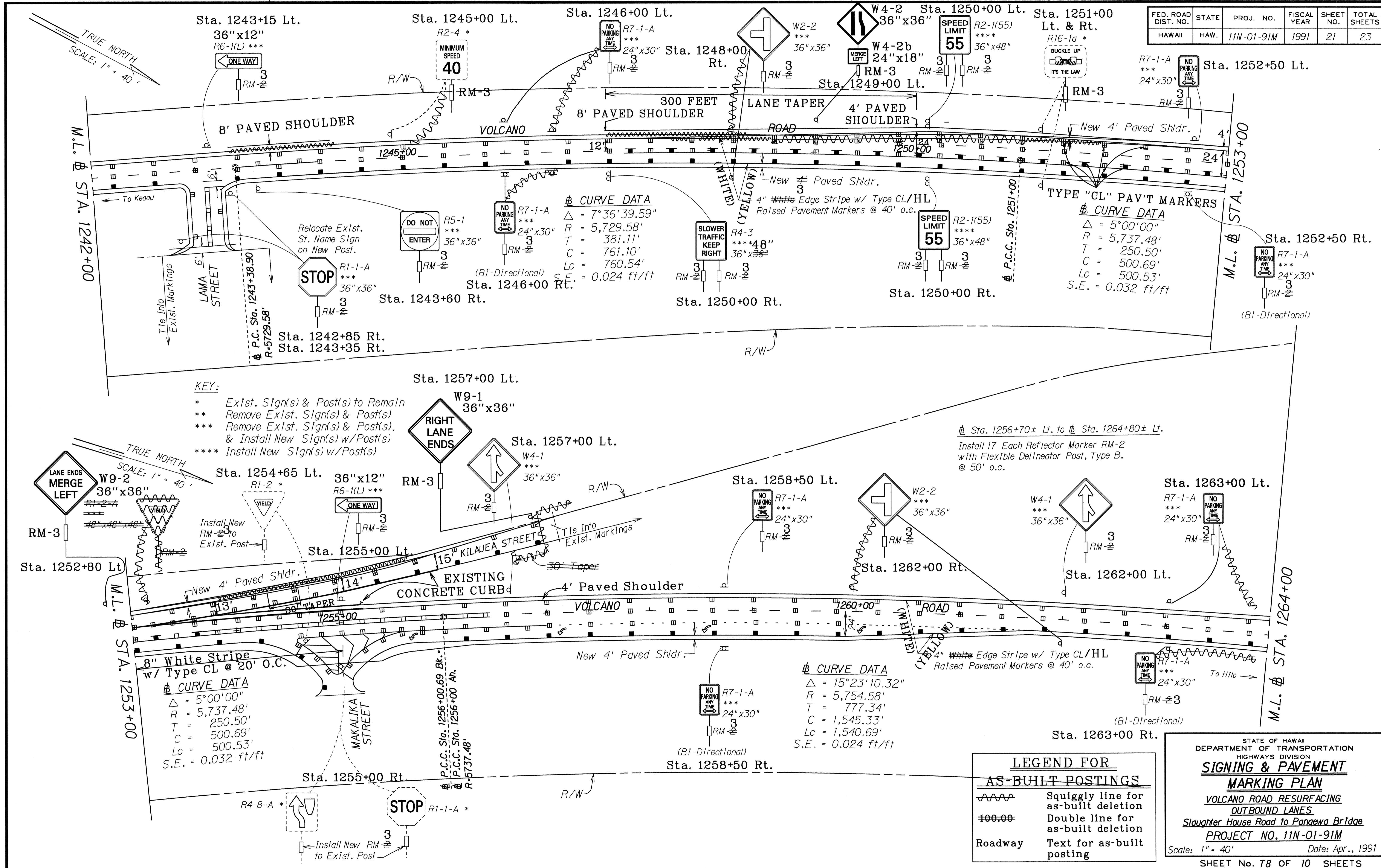
**SIGNING & PAVEMENT MARKING PLAN**

VOLCANO ROAD RESURFACING  
OUTBOUND LANES  
Slaughter House Road to Panaewa Bridge  
PROJECT NO. 11N-01-91M

Scale: 1" = 40' Date: Apr., 1991  
SHEET No. 17 OF 10 SHEETS

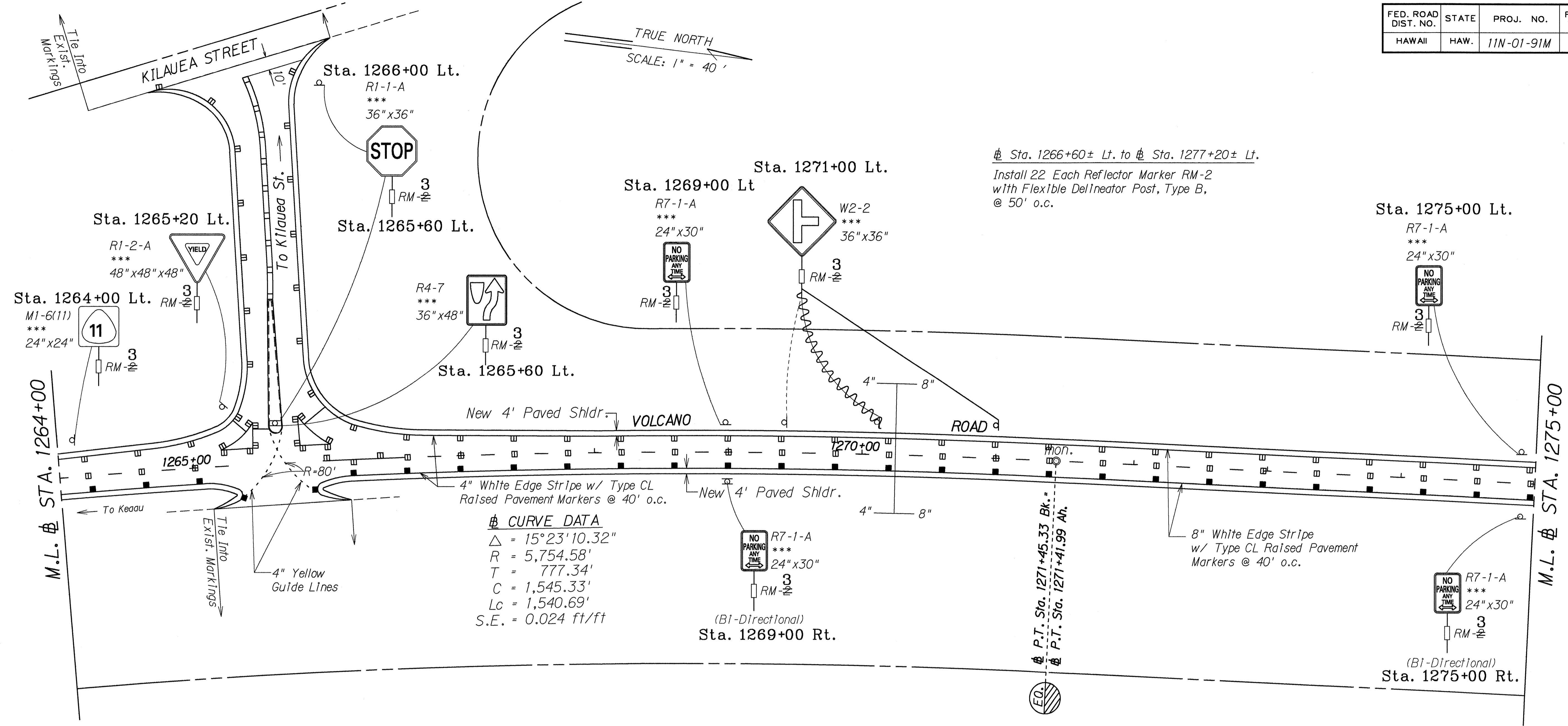
DATE	X
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	21	23



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

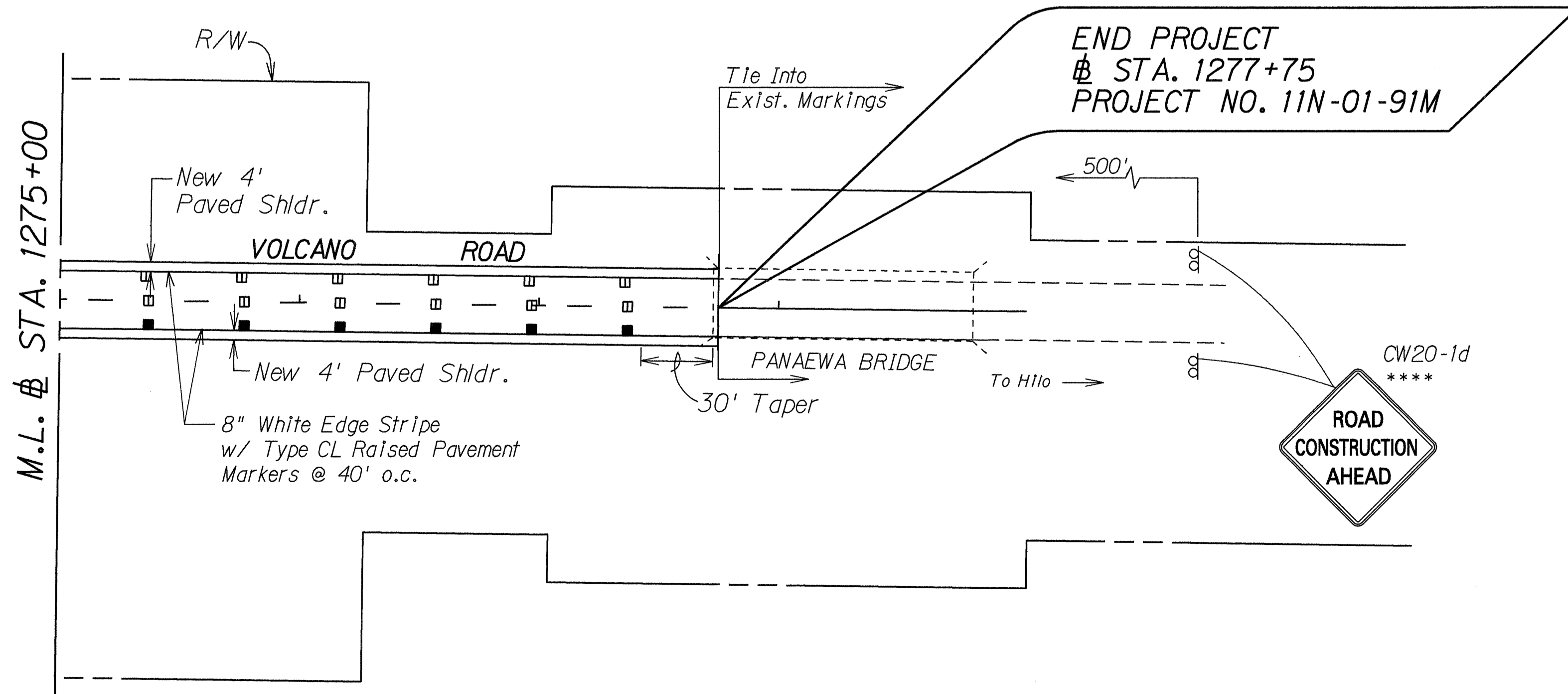
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11N-01-91M	1991	22	23



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

**KEY:**

- \* Exist. Sign(s) & Post(s) to Remain
- \*\* Remove Exist. Sign(s) & Post(s)
- \*\*\* Remove Exist. Sign(s) & Post(s), & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)



**LEGEND FOR AS-BUILT POSTINGS**

	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
**VOLCANO ROAD RESURFACING OUTBOUND LANES**  
 Slaughter House Road to Panaewa Bridge  
 PROJECT NO. 11N-01-91M  
 Scale: 1" = 40' Date: Apr., 1991  
 SHEET No. T9 OF 10 SHEETS