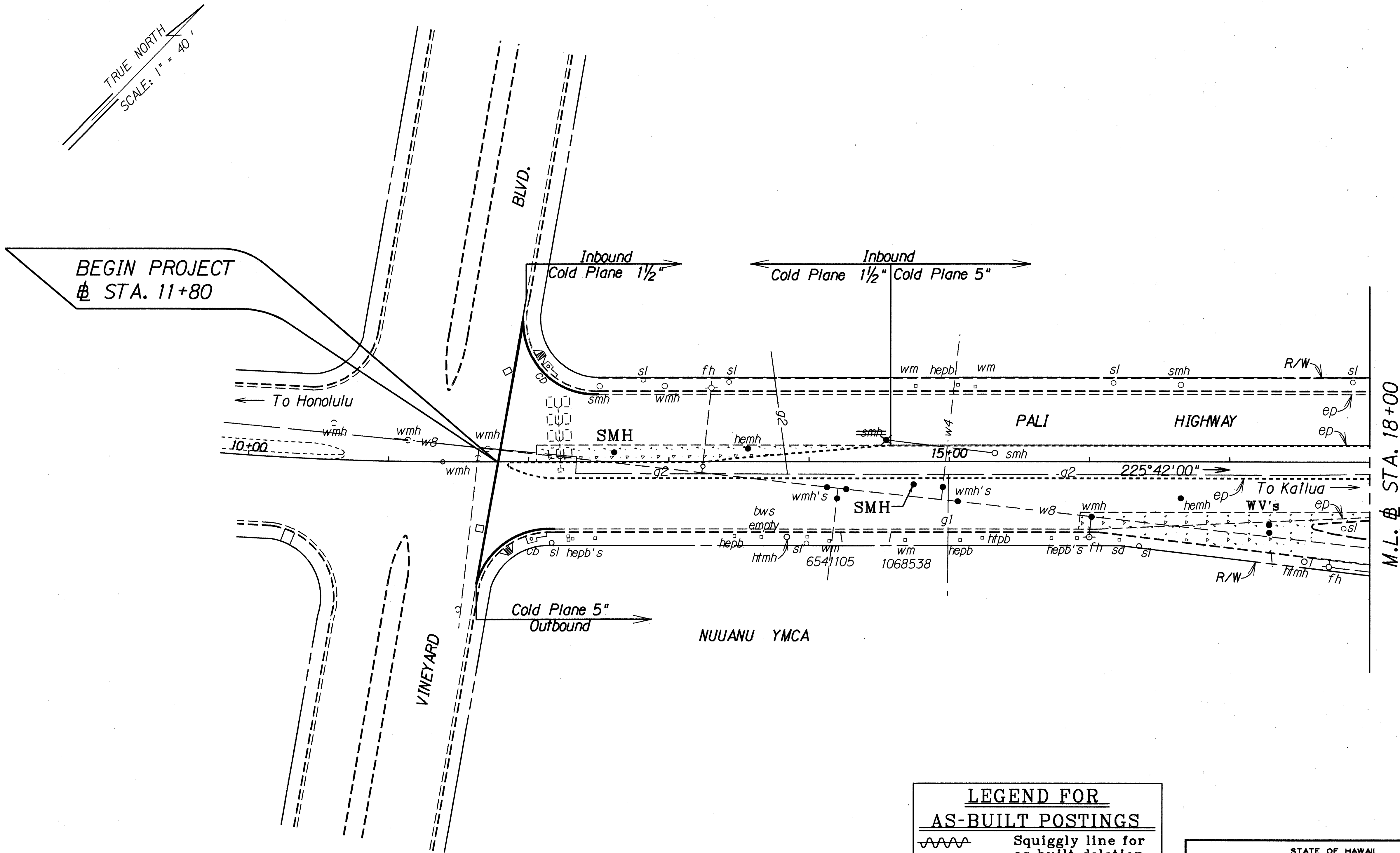


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1(30)	1993	15	41



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	4/26/93
REVISION	TRACED BY	
	DESIGNED BY	
	CHECKED BY	

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

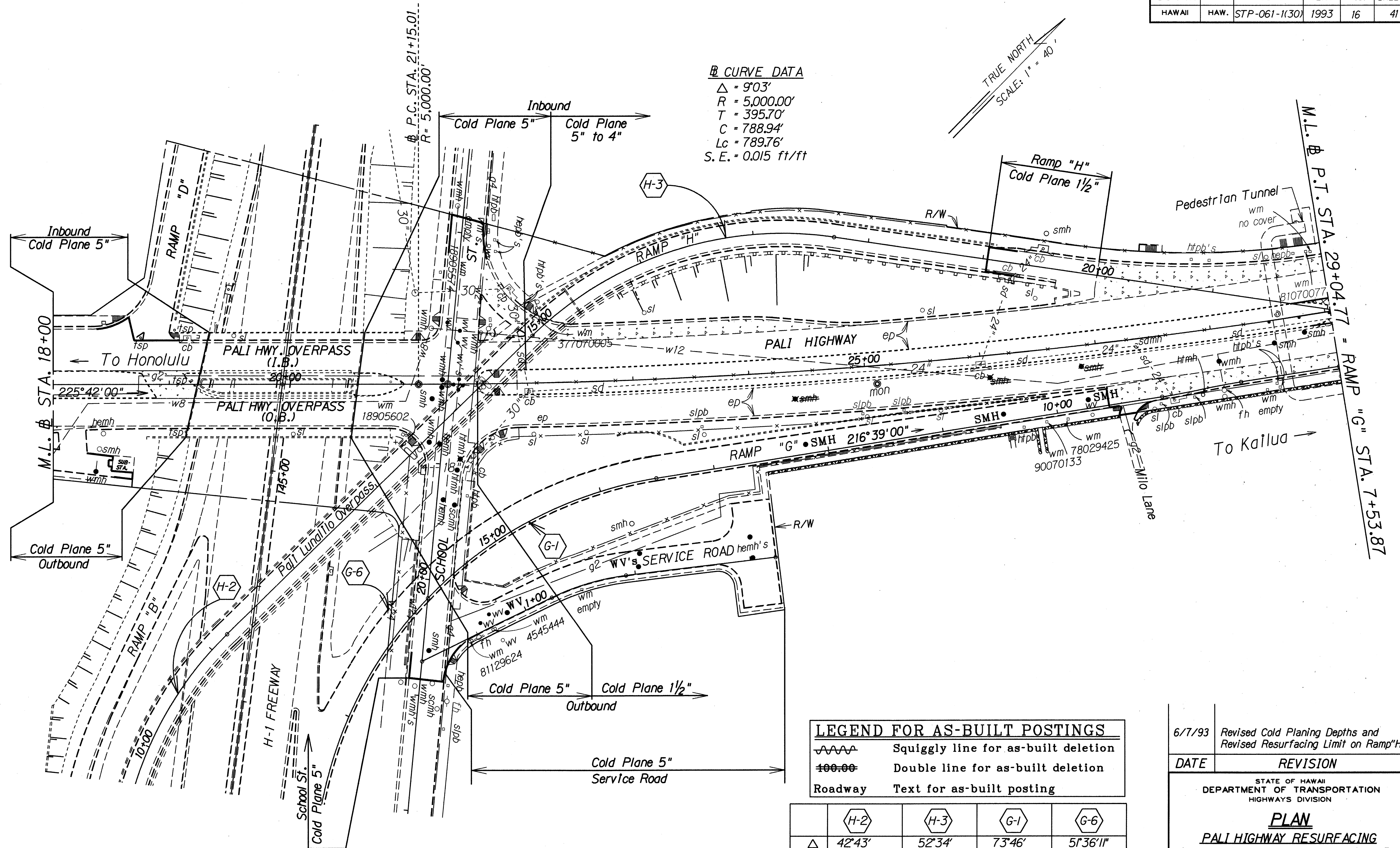
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
PALI HIGHWAY RESURFACING
Vineyard Boulevard to Country Club Road
F.A. PROJECT NO. STP-061-1(30)

6/7/93 Revised Cold Planing Depths.
DATE REVISION

Scale : 1" = 40'-0" Date : Apr 11, 1993
SHEET No. 1 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1(30)	1993	16	41



LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
100-00	Double line for as-built deletion
Roadway	Text for as-built posting

				
Δ	42°43'	52°34'	73°46'	51°36'11"
R	309.00'	309.00'	350.00'	369.00'
T	120.84'	152.61'	262.63'	178.39'
L_c	230.37'	283.49'	450.61'	332.24'

6/7/93	Revised Cold Planing Depths and Revised Resurfacing Limit on Ramp"H".
--------	--

<i>DATE</i>	<i>REVISION</i>
-------------	-----------------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
PALM HIGHWAY RESURFACING
Vineyard Boulevard to Country Club Road
F.A. PROJECT NO. STP-061-j(30)

Scale : 1" = 40' - 0" Date : April, 1993

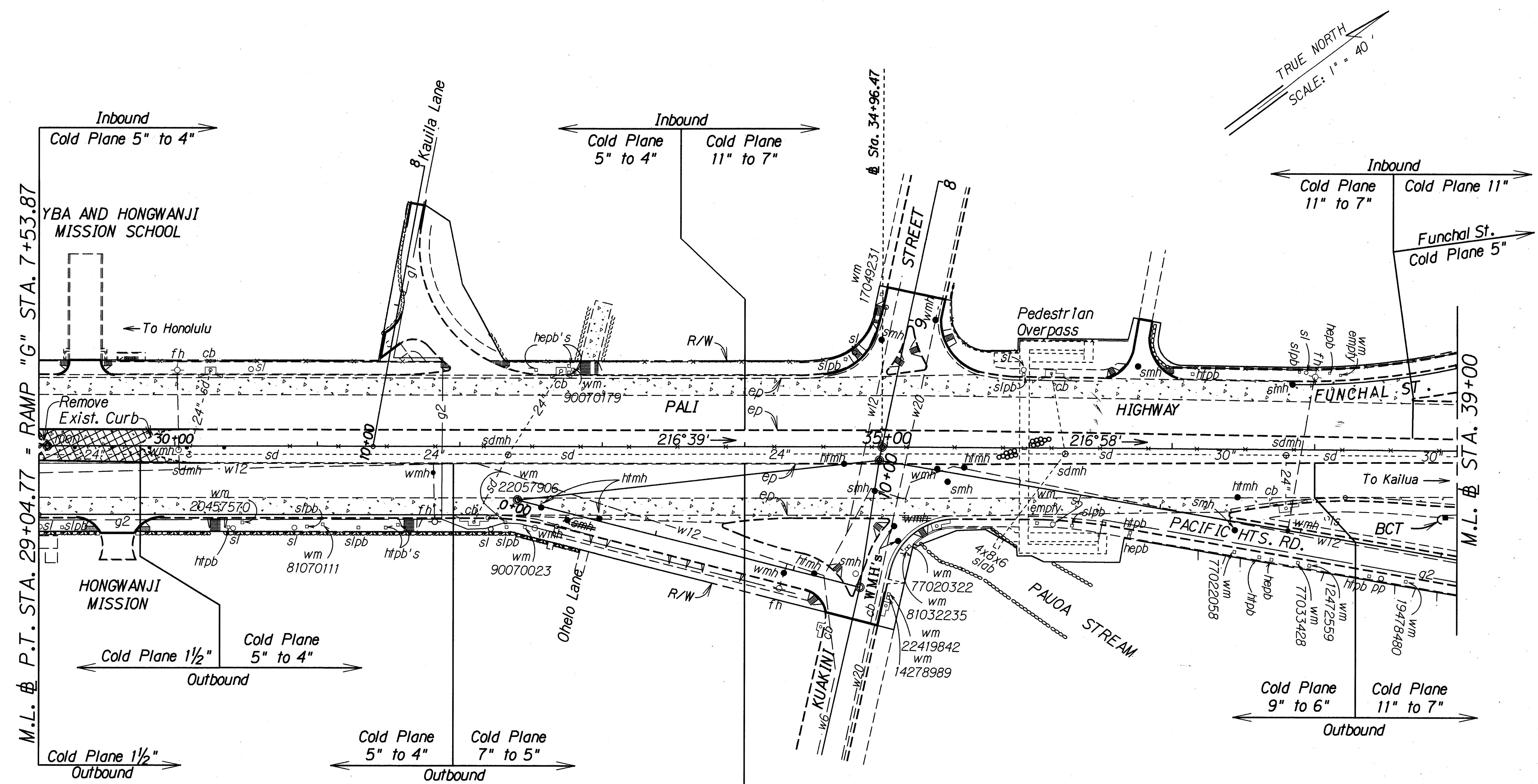
SHEET No. 2 OF 8 SHEETS

"AS-BUILT"

ADD. 16

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE <u>4/22/93</u>
NOTE BOOK	DRAWN BY _____	•
	TRACED BY _____	•
	DESIGNED BY _____	•
	QUANTITIES BY _____	•
NO. 301 TOP 2A, 10A	CHECKED BY _____	•

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1(30)	1993	17	41



Sta. 28+70.52 to Sta. 30+02.81
 Reconstruct Median (225 S.Y.)
 Remove existing 1 1/2" a.c. and
 6 1/2" p.c.c., Backfill with 12 1/2"±
 Planting Soil, and plant with
 Honan Grass (Eremochloa
 Ophiurioides) 6" a.c.

Sta. 28+70.52 to Sta. 30+02.81 Lt.
 Sta. 28+87.07 to Sta. 30+17.86 Rt.
 Construct New Curb, Type 2A (264± L.F.)
 and Connect to Match Existing Curb

Sta. 28+50 to Sta. 30+50
 Install 6-Ft. chain link fence,
 without top rail and with
 concrete footings (200 L.F.).
 Connect to existing fence.

Cold Plane 7" to 5"
 Cold Plane 9" to 6"
 Outbound

Sta. 35+96± Lt. & Rt.
 Install Inertial Barrier System (2 each)
 See Plan Sht. No. 9 for details.

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

6/7/93	Revised Cold Planing Depths and Deleted Reconstruction Area.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
PALI HIGHWAY RESURFACING
Vineyard Boulevard to Country Club Road
F.A. PROJECT NO. STP-061-1(30)

Scale : 1"=40'-0"
Date : Apr 11, 1993

SHEET No. 3 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1(30)	1993	18	41

	K-1	L-1	L-2
Δ	37°50'23"	84°36'37"	148°09'23"
R	500.00'	140.00'	90.00'
T	171.38'	127.41'	315.49'
Lc	330.21'	206.74'	232.72'
S. E.	0.045 ft/ft	0.08 ft/ft	0.08 ft/ft

Ramp "L" Sta. 11+00± Lt. to Pali Highway @ Sta. 44+80± Rt.
Remove 375± L.F. of Existing Guardrail and Install 400± L.F. of New Guardrail, Type 3-Single with Steel Posts, and with Type "T" Connection and Type "G" Flare. For Type "T" Connection Detail, See Plan Sheet No. 25.

Ramp "L" Sta. 10+50± to Sta. 13+00± Rt.
Remove 295± L.F. of Existing Guardrail, and Install 400± L.F. of New Guardrail, Type 3-Single with Steel Posts and with Type "G" Flare. Connect to Existing Guardrail with 10:1 Transition Taper.

@ Sta. 46+55± to @ Sta. 53+30± Lt.
Replace Existing Guardrail and Concrete Posts with New Guardrail, Type 3-Single with Steel Posts (675± L.F.). Install Types "A" and "C" Connection to Existing Structures. For Detail, See Plan Sheet Nos. 24 and 25.

Ramp "M" Sta. 7+40± to Sta. 14+00± Rt.
Remove 428± L.F. of Guardrail with Concrete Posts. Install 800± L.F. of New Guardrail, Type 3-Single with Steel Posts and with Two Type "G" Flares, one with Rounded End.

LEGEND FOR
AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion

===== Double line for as-built deletion

Roadway Text for as-built posting

@ CURVE DATA

Δ = 15°22'

R = 1,500.00'

T = 202.36'

C = 401.09'

Lc = 402.30'

S. E. = 0.06 ft/ft

|        |                                                                          |
|--------|--------------------------------------------------------------------------|
| 8/1/94 | Revised Guardrail on Ramp "M" and Relocated exist. street light conduit. |
| 6/7/93 | Revised Cold Planing Depths and Deleted Reconstruction Areas.            |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

PLAN  
PALI HIGHWAY RESURFACING  
Vineyard Boulevard to Country Club Road  
F.A. PROJECT NO. STP-061-1(30)

Scale : 1"=40'-0"  
Date : Apr 11, 1993

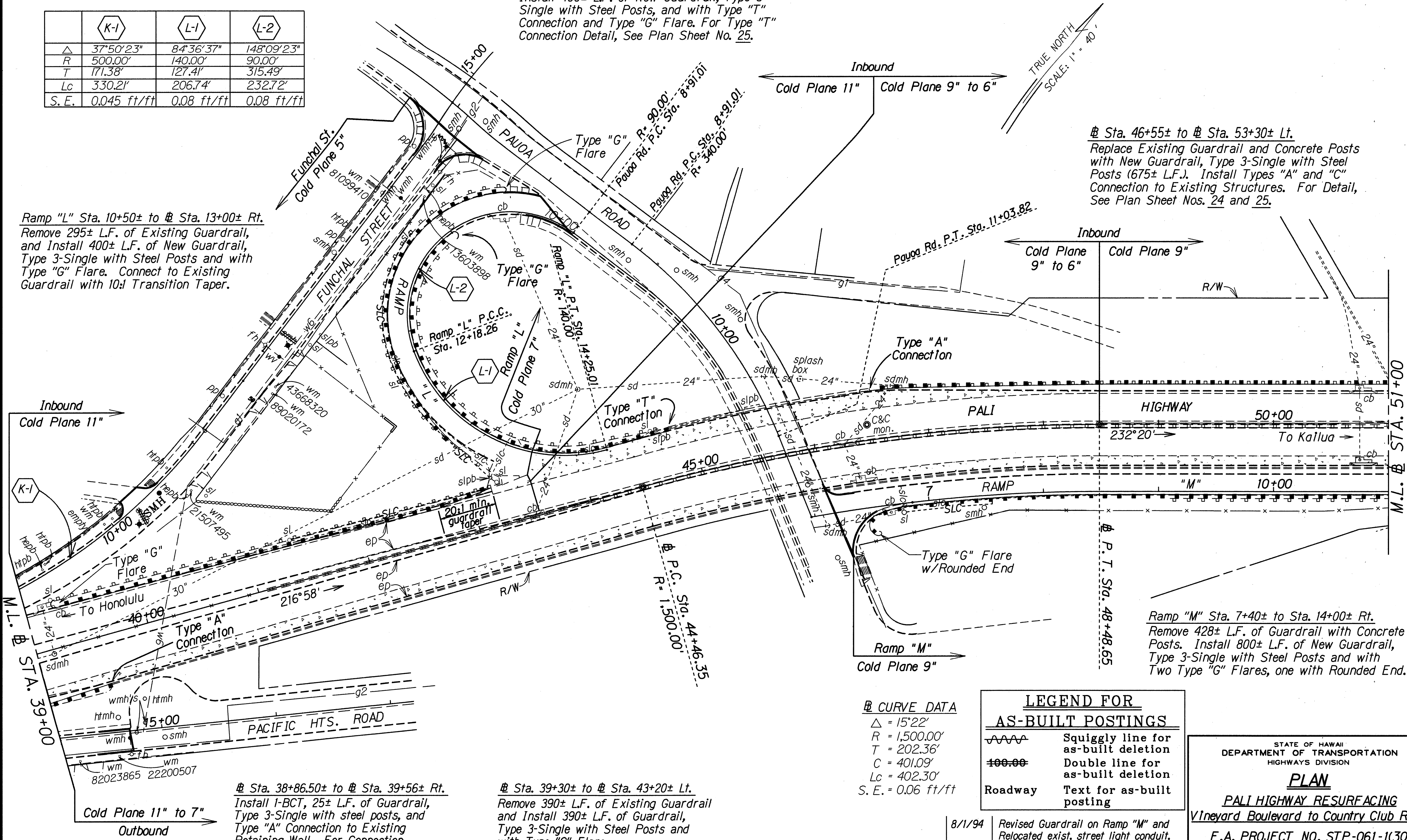
DATE

REVISION

SHEET No. 4 OF 8 SHEETS

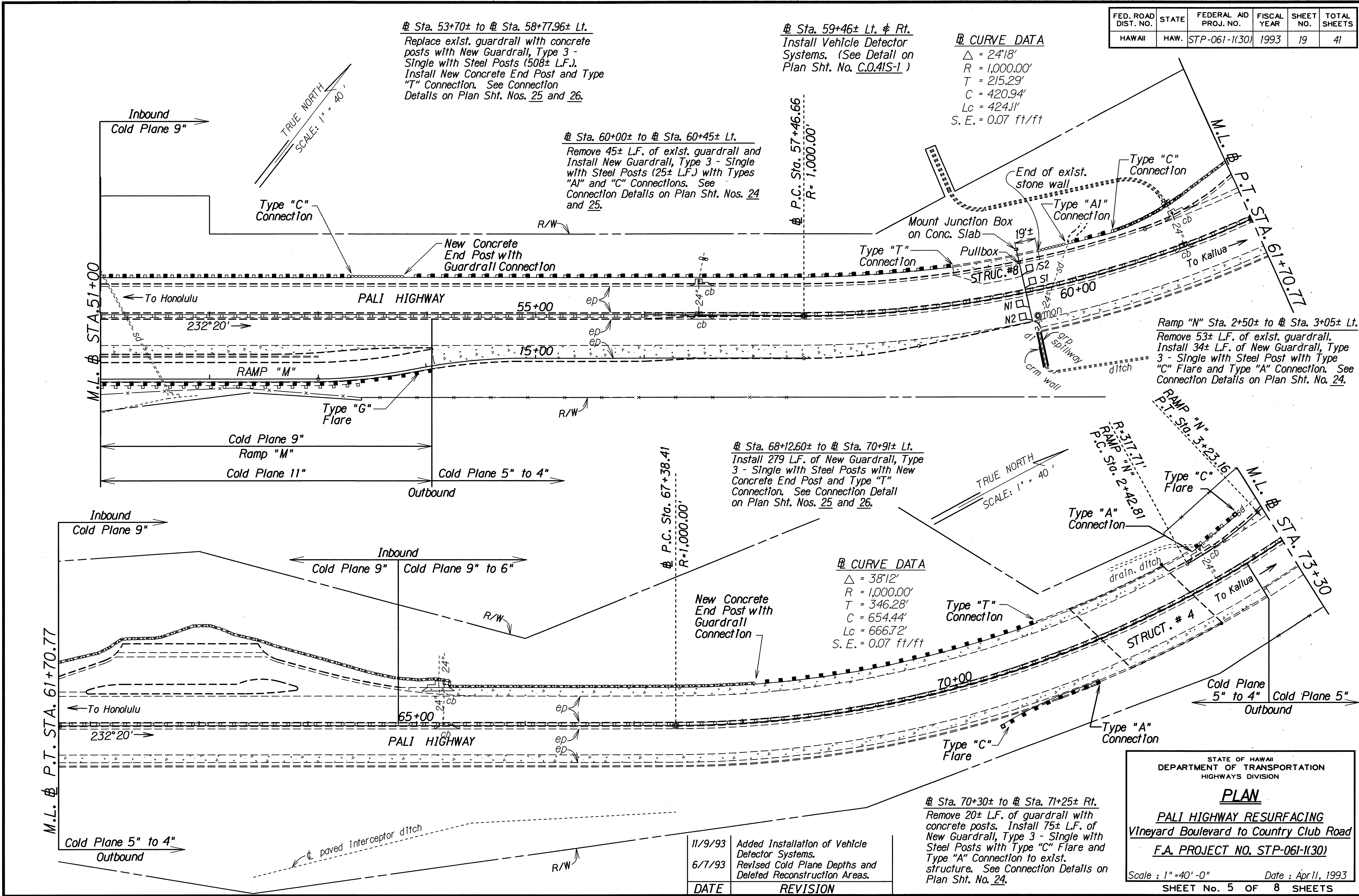
C.O. ADD. 18

|               |      |         |
|---------------|------|---------|
| ORIGINAL PLAN | DATE | 4/22/93 |
| DRAWN BY      |      |         |
| CHECKED BY    |      |         |
| NOTES BOOK    |      |         |
| QUANTITIES BY |      |         |
| CHECKED BY    |      |         |



"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-061-1(K30)        | 1993        | 19        | 41           |



|               |                   |        |
|---------------|-------------------|--------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE   |
| NOTE BOOK     | DRAWN BY          | 5/2/93 |
|               | DESIGNED BY       |        |
|               | CHECKED BY        |        |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PLAN**  
**PALI HIGHWAY RESURFACING**  
**Vineyard Boulevard to Country Club Road**  
**F.A. PROJECT NO. STP-061-1(K30)**

Scale : 1" = 40' - 0"      Date : April 11, 1993  
SHEET No. 5 OF 8 SHEETS

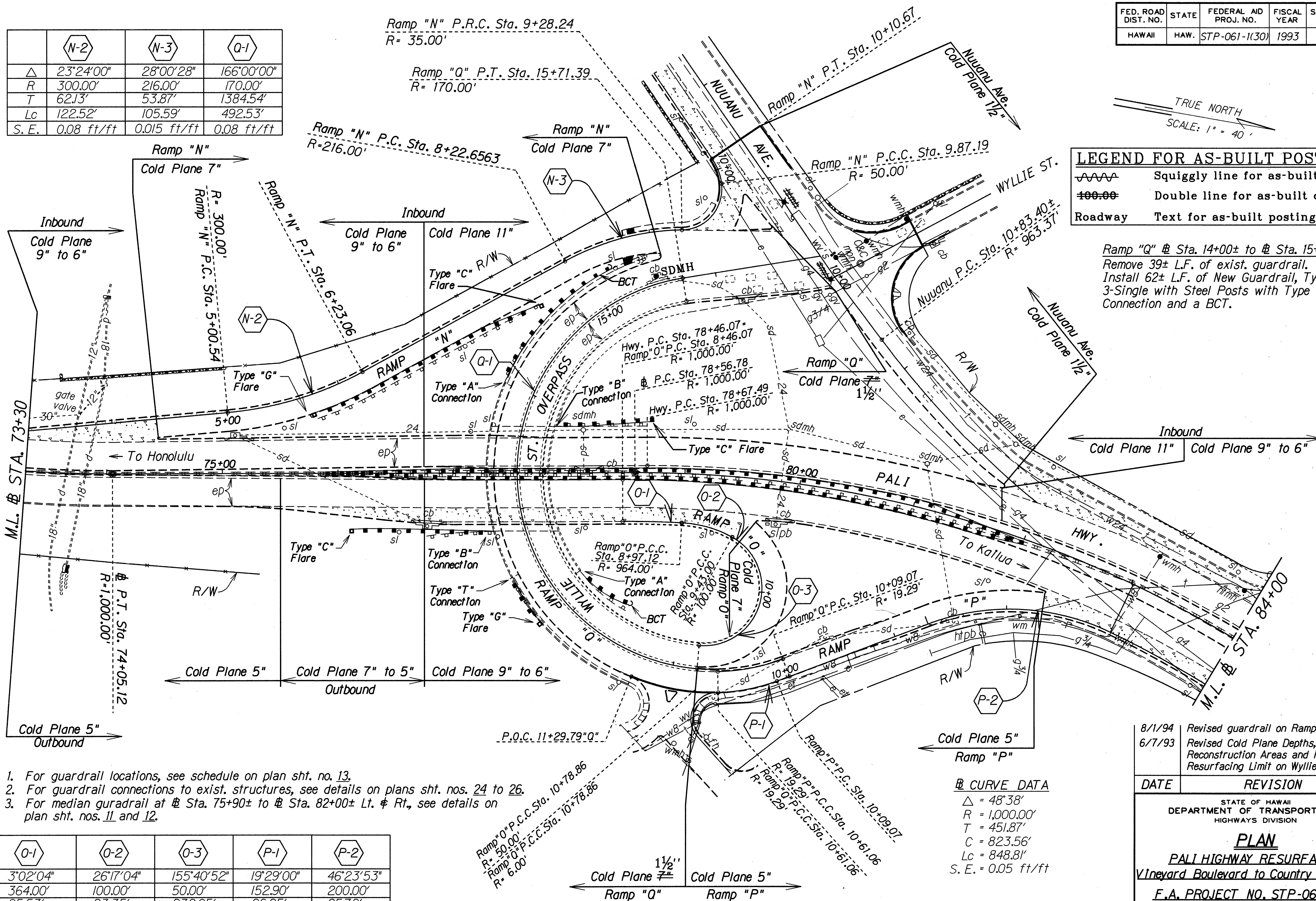
| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-061-1(30)         | 1993        | 20        | 41           |

|          | N-2        | N-3         | Q-1        |
|----------|------------|-------------|------------|
| $\Delta$ | 23°24'00"  | 28°00'28"   | 166°00'00" |
| R        | 300.00'    | 216.00'     | 170.00'    |
| T        | 62.13'     | 53.87'      | 1384.54'   |
| Lc       | 122.52'    | 105.59'     | 492.53'    |
| S.E.     | 0.08 ft/ft | 0.015 ft/ft | 0.08 ft/ft |

TRUE NORTH  
SCALE: 1" = 40'

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

Ramp "Q" @ Sta. 14+00± to @ Sta. 15+20± Lt.  
Remove 39± L.F. of exist. guardrail.  
Install 62± L.F. of New Guardrail, Type 3-Single with Steel Posts with Type "A" Connection and a BCT.



- Notes: 1. For guardrail locations, see schedule on plan sht. no. 13.  
2. For guardrail connections to exist. structures, see details on plans sht. nos. 24 to 26.  
3. For median guardrail at @ Sta. 75+90± to @ Sta. 82+00± Lt. & Rt., see details on plan sht. nos. 11 and 12.

|          | O-1        | O-2        | O-3        | P-1        | P-2        |
|----------|------------|------------|------------|------------|------------|
| $\Delta$ | 3°02'04"   | 26°17'04"  | 155°40'52" | 19°29'00"  | 46°23'53"  |
| R        | 364.00'    | 100.00'    | 50.00'     | 152.90'    | 200.00'    |
| T        | 25.53'     | 23.35'     | 232.05'    | 26.25'     | 85.72'     |
| Lc       | 51.05'     | 45.88'     | 135.86'    | 51.99'     | 161.96'    |
| S.E.     | Transition | 0.05 ft/ft | 0.08 ft/ft | Transition | 0.05 ft/ft |

**@ CURVE DATA**  
 $\Delta = 48°38'$   
 $R = 1,000.00'$   
 $T = 451.87'$   
 $C = 823.56'$   
 $Lc = 848.81'$   
 $S.E. = 0.05 \text{ ft/ft}$

| DATE   | REVISION                                                                                            |
|--------|-----------------------------------------------------------------------------------------------------|
| 8/1/94 | Revised guardrail on Ramp "Q".                                                                      |
| 6/7/93 | Revised Cold Plane Depths, Deleted Reconstruction Areas and Revised Resurfacing Limit on Wyllie St. |

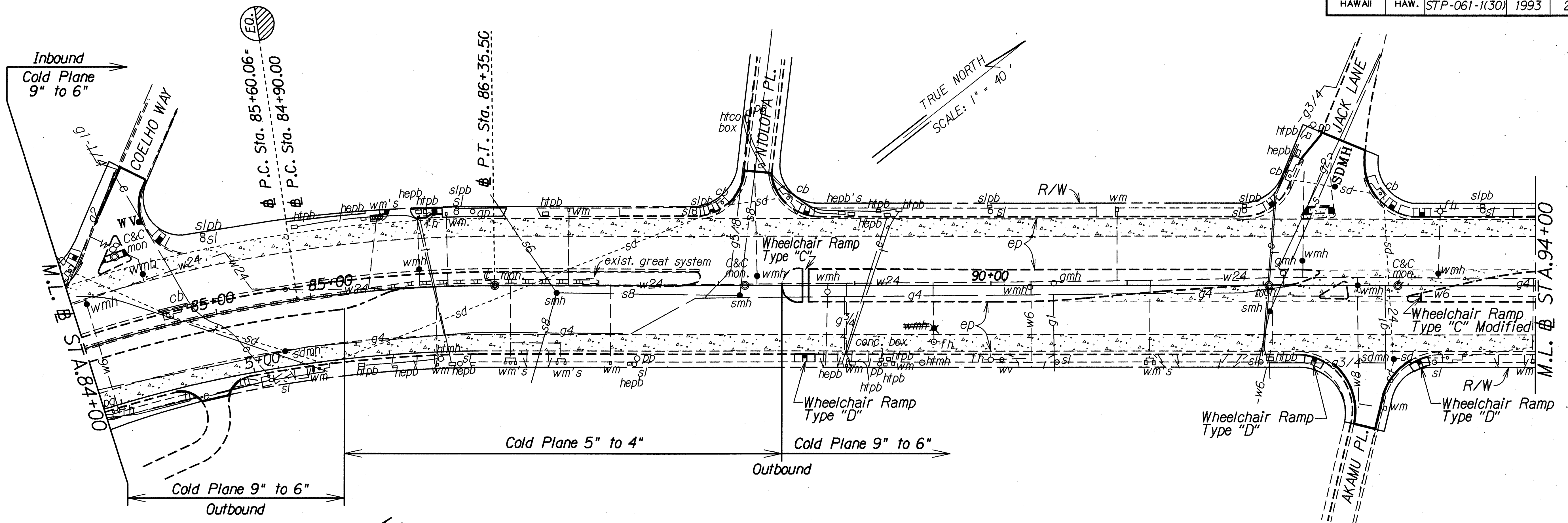
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**PLAN**  
**PALI HIGHWAY RESURFACING**  
Vineyard Boulevard to Country Club Road  
F.A. PROJECT NO. STP-061-1(30)

Scale: 1" = 40'-0" Date: April 11, 1993  
SHEET No. 6 OF 8 SHEETS

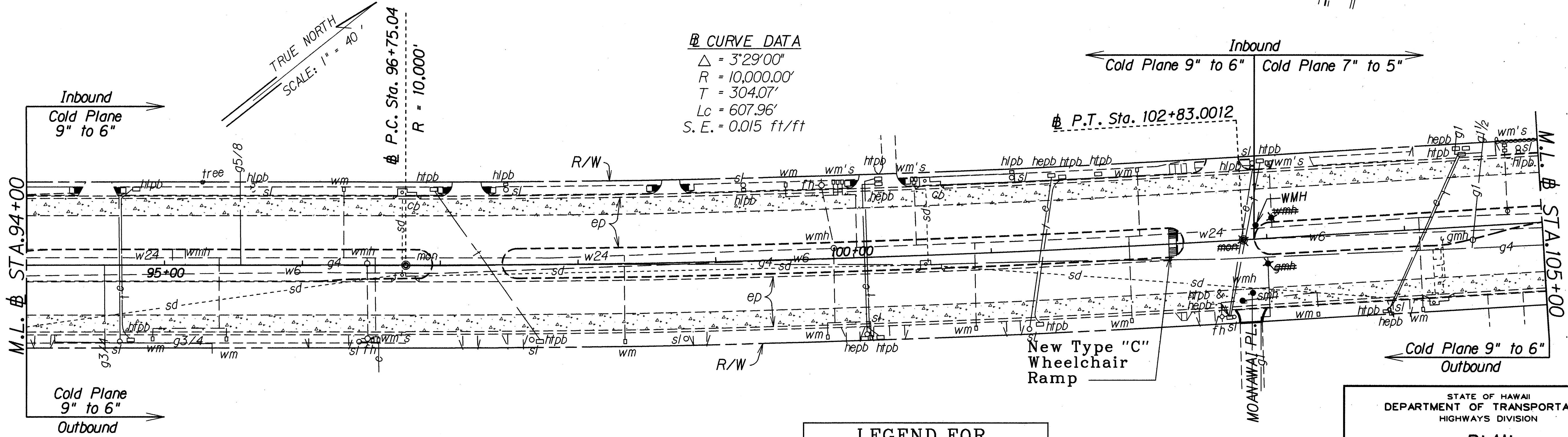
"AS-BUILT"

C.O. ADD. 20

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-061-1(30)         | 1993        | 21        | 41           |



**CURVE DATA**  
 $\Delta = 3^{\circ}29'00''$   
 $R = 10,000.00'$   
 $T = 304.07'$   
 $L_c = 607.96'$   
 $S.E. = 0.015 \text{ ft/ft}$

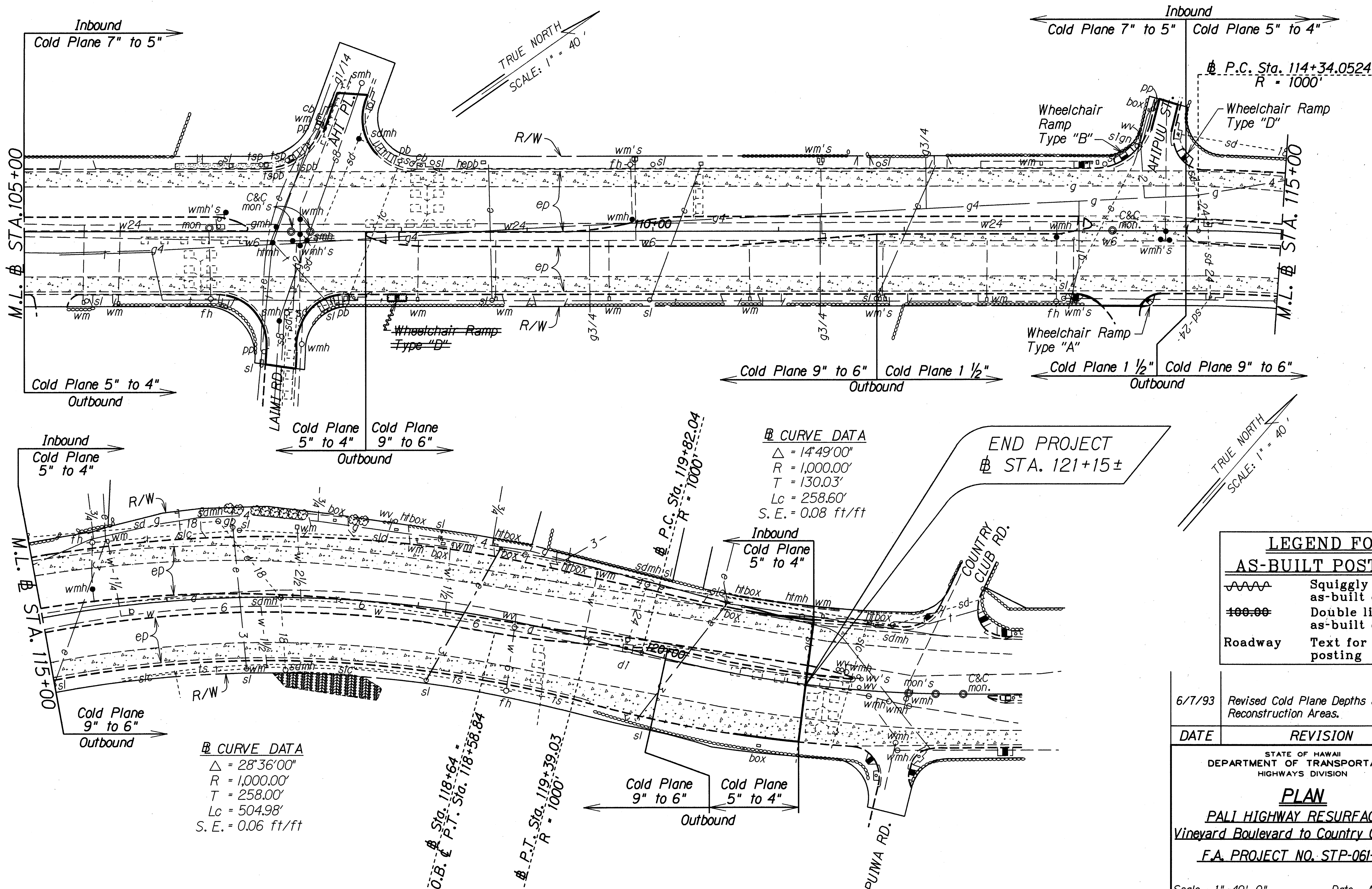


| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway       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

| 6/7/93 | Revised Cold Plane Depths, Deleted Reconstruction Areas and Revised Resurfacing Limit on Akamu Pl. |
|--------|----------------------------------------------------------------------------------------------------|
| DATE   | REVISION                                                                                           |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  
**PLAN**  
**PALI HIGHWAY RESURFACING**  
**Vineyard Boulevard to Country Club Road**  
**F.A. PROJECT NO. STP-061-1(30)**  
  
Scale : 1"=40'-0"      Date : Apr 11, 1993  
SHEET No. 7 OF 8 SHEETS

| FED. ROAD DIST. NO. | STATE | FEDERAL AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-061-1(30)         | 1993        | 22        | 41           |



|                   |      |        |
|-------------------|------|--------|
| ORIGINAL PLAN     | DATE | 5/7/93 |
| SURVEY PLOTTED BY |      |        |
| DRAWN BY          |      |        |
| NOTED BY          |      |        |
| CHECKED BY        |      |        |

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

6/7/93 Revised Cold Plane Depths and Deleted Reconstruction Areas.

| DATE | REVISION                                                             |
|------|----------------------------------------------------------------------|
|      | STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |
|      | <b>PLAN</b>                                                          |
|      | <b>PALI HIGHWAY RESURFACING</b>                                      |
|      | <b>Vineyard Boulevard to Country Club Road</b>                       |
|      | <b>F.A. PROJECT NO. STP-061-1(30)</b>                                |

Scale : 1" = 40' - 0" Date : Apr 11, 1993  
SHEET No. 8 OF 8 SHEETS

"AS-BUILT"

ADD. 22