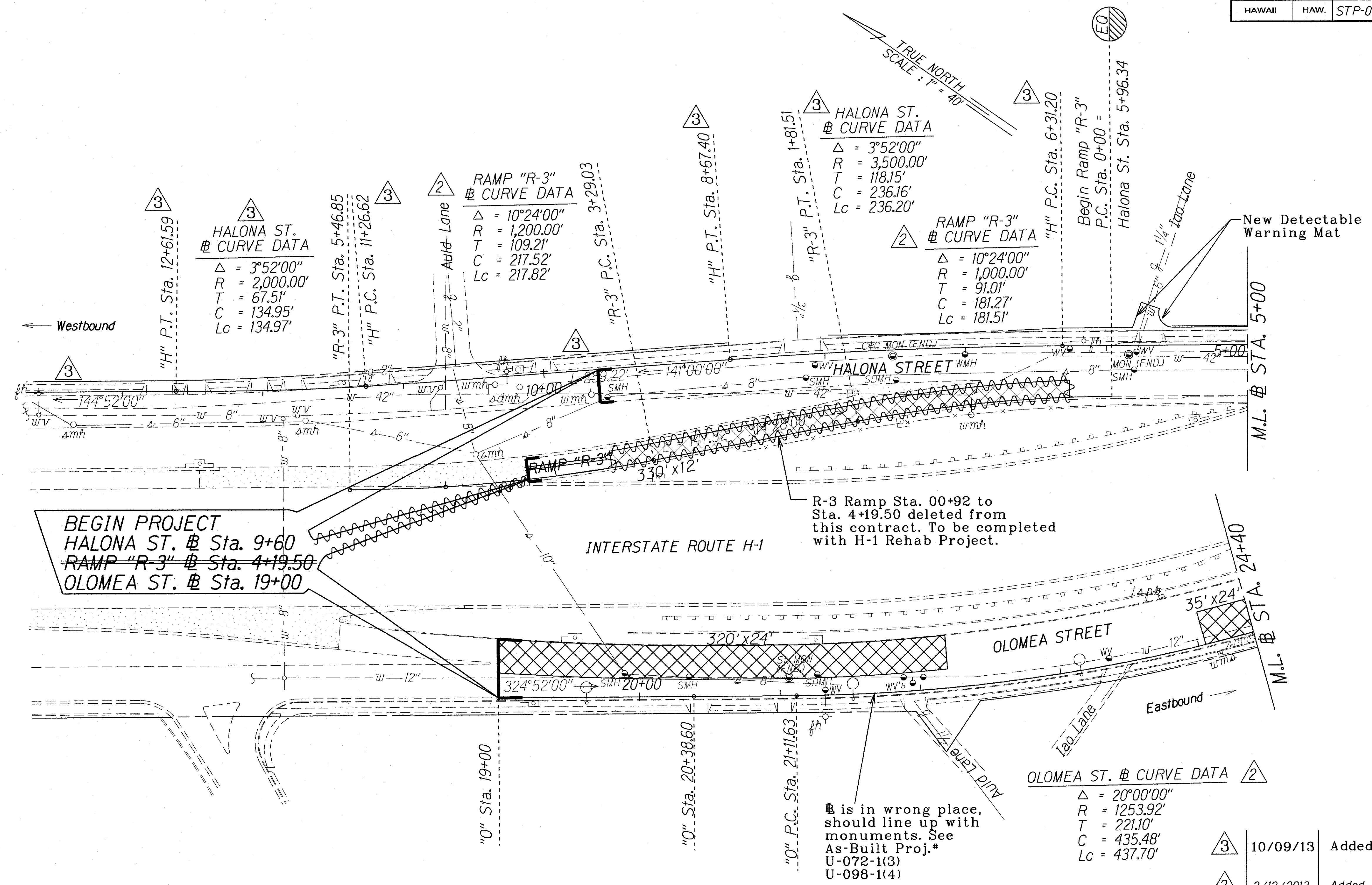


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-098-1(011)	2012	ADD.17R	64



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

10/09/13	Added Curve Data
2/12/2013	Added Ramp "R-3" and Olomea St. Baseline Curve Data.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLAN VINEYARD BOULEVARD RESURFACING Vicinity of Palama St. to End of H-1 On- and Off Ramp Federal-Aid Project No. STP-098-1(011) Scale: 1"=40' Date: November, 2012	
SHEET No. 1 OF 7 SHEETS	

Halona St. ~~Sta. 3+44± Lt. to Sta. 3+16± Lt.~~
Reconstruct Concrete Driveway. For details, see
standard plan D-06 and Plan Sheet No. 13.

Halona St. ~~Sta. 3+20± Lt. to Sta. 2+88± Lt.~~
Halona St. ~~Sta. 1+75± Lt. to Sta. 0+45± Lt.~~
Reconstruct Concrete Sidewalk. For details, see
standard plan D-15.

Median (Halona St. ~~Sta. 0+54± to Sta. 0+35±~~)
Demolish and dispose of existing curb ramp and
concrete island. Reconstruct Concrete Island with
New Type 2D Curb. Match top of New Concrete
Island to top of New Type 2D Curb. This work
shall be considered incidental to New PCC
Sidewalk and New Type 2D Curb.

Rt. Median - ~~Sta. 87+05 to Sta. 93+38~~
Lt. Median(Deleted) - ~~Sta. 88+60 to Sta. 90+03~~
Completed ~~Sta. 90+03 to Sta. 93+36~~
~~Median (Sta. 87+05± to Sta. 93+37±)~~

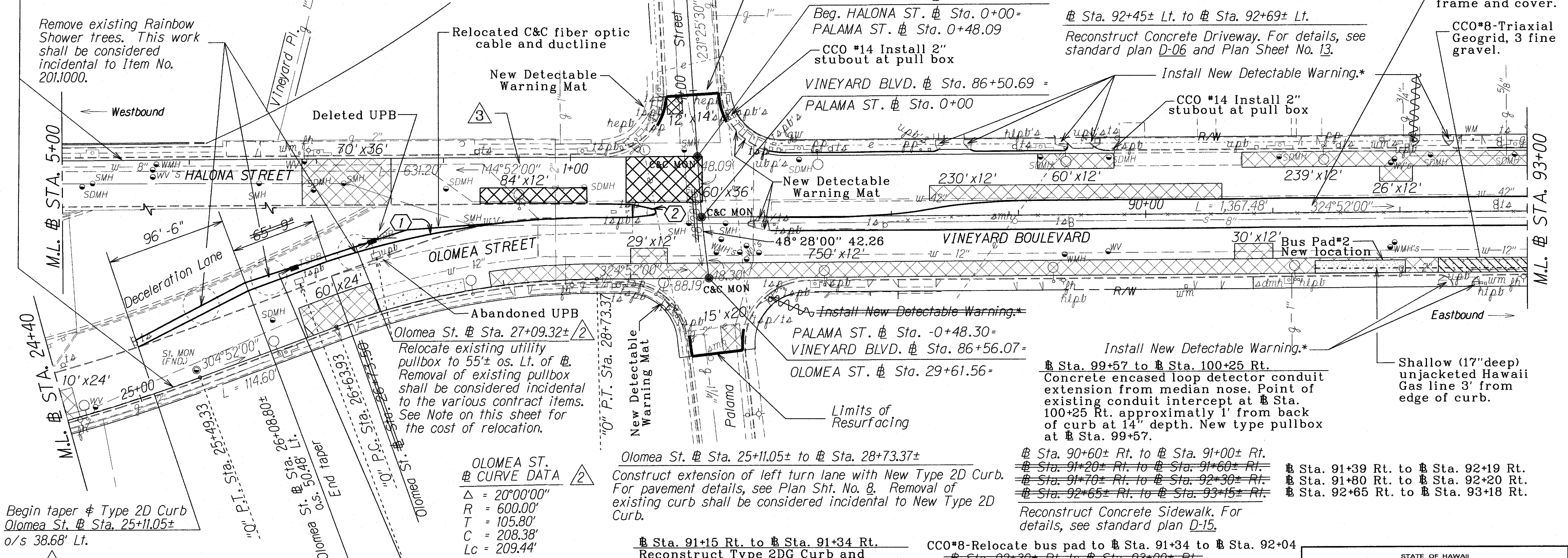
Reconstruct Type 2D Curb. Provide smooth
transition into existing curb.

CURVE	STATIONING TO BEGIN CURVE	OFFSET	CURVE DATA				
			Δ	R	T	C	Lc
①	Olomea St. Sta. 26+73.50	50.53' Lt.	17°56'35.17"	689.59'	108.87'	215.07'	215.96'
②	Halona St. Sta. 0+35.15	41.00' Rt.	165°28'57.71"	2.6'	20.49'	5.8'	7.53'

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

Baseline in wrong location
Proj. U-072-1(3)
U-098-1(4)

Remove existing Rainbow
Shower trees. This work
shall be considered
incidental to Item No.
201.1000.



Begin taper & Type 2D Curb
Olomea St. Sta. 25+11.05±
o/s 38.68' Lt.

*NOTE: ②

1. Removal and disposal of existing detectable warning mat shall be considered incidental to New Detectable Warning. For details, see Plan Sheet No. 15.
2. The cost of relocating existing utility and traffic signal pullbox shall include full compensation for furnishing, installing, splicing, and taping the cable; making the connections; providing turn-on service; and furnishing equipments; tools, labor, materials and other incidentals necessary to complete the work.

OLOMEA ST. CURVE DATA	
Δ	= 20°00'00"
R	= 600.00'
T	= 105.80'
C	= 208.38'
Lc	= 209.44'

Olomea St. Sta. 26+49.03± ②
Relocate existing City & County
DTS Pullbox to 55± os. Lt. of
St. Removal of existing pullbox
shall be considered incidental
to the various contract items.
See Note on this sheet for the
cost of relocation.

Olomea St. Sta. 25+11.05± to Sta. 28+73.37±
Construct extension of left turn lane with New Type 2D Curb.
For pavement details, see Plan Sht. No. 8. Removal of
existing curb shall be considered incidental to New Type 2D
Curb.

Olomea St. Sta. 28+73.37± to Sta. 29+01.70±
Reconstruct Type 2D Curb.
Construct New P.C.C. Bus Pad with Modified Type 2DG
Curb and Gutter. For details, see Plan Sheet No. 16.

Median
Olomea St. Sta. 28+73.37± to Sta. 29+01.70±
Halona St. Sta. 0+00± to Sta. 0+52±
Reconstruct Type 2D Curb.
Olomea St. Sta. 27+00± to Sta. 27+70±
Construct New P.C.C. Bus Pad with Modified Type 2DG
Curb and Gutter. For details, see Plan Sheet No. 16.

Sta. 87+03 Lt. to Sta. 87+16 Lt.
Sta. 87+40 Lt. to Sta. 88+35 Lt.
Sta. 89+21 Lt. to Sta. 89+30 Lt.
Sta. 89+70 Lt. to Sta. 89+76 Lt.
~~Sta. 87+03± Lt. to Sta. 89+76± Lt.~~
~~Sta. 92+69± Lt. to Sta. 93+50± Lt.~~
Reconstruct Type 2DG Curb & Gutter.
Match new curb and gutter into existing
curb and gutter.

Sta. 87+05 Lt. to Sta. 87+20 Lt.
Sta. 87+27 Lt. to Sta. 88+40 Lt.
Sta. 88+65 Lt. to Sta. 89+21 Lt.
Sta. 89+64 Lt. to Sta. 89+76 Lt.
Sta. 90+00 Lt. to Sta. 90+90 Lt.
~~Sta. 87+05± Lt. to Sta. 88+40± Lt.~~
~~Sta. 88+65± Lt. to Sta. 89+30± Lt.~~
~~Sta. 90+00± Lt. to Sta. 91+15± Lt.~~
Reconstruct Concrete Sidewalk. For
details, see standard plan D-15.

CCO*14-@ Sta.
91+29 Locate and
replace plugged
homerun stubout.
@Sta. 91+33 reset
existing tsbp
frame and cover.

Sta. 92+45± Lt. to Sta. 92+69± Lt.
Reconstruct Concrete Driveway. For details, see
standard plan D-06 and Plan Sheet No. 13.

Sta. 99+57 to Sta. 100+25 Rt.
Concrete encased loop detector conduit
extension from median nose. Point of
existing conduit intercept at Sta.
100+25 Rt. approximately 1' from back
of curb at 14" depth. New type pullbox
at Sta. 99+57.

Sta. 90+60± Rt. to Sta. 91+00± Rt.
Sta. 91+20± Rt. to Sta. 91+60± Rt.
Sta. 91+70± Rt. to Sta. 92+30± Rt.
Sta. 92+65± Rt. to Sta. 93+15± Rt.
Reconstruct Concrete Sidewalk. For
details, see standard plan D-15.

Sta. 91+39 Rt. to Sta. 92+19 Rt.
Sta. 91+80 Rt. to Sta. 92+20 Rt.
Sta. 92+65 Rt. to Sta. 93+18 Rt.

CCO*8-Relocate bus pad to Sta. 91+34 to Sta. 92+04
~~Sta. 92+30± Rt. to Sta. 93+00± Rt.~~
Construct New P.C.C. Bus Pad with Modified Type 2DG
Curb and Gutter. For details, see Plan Sheet No. 16.

DATE	REVISION
10/09/2013	Added Curve Data or Corrected Curve Data
2/12/2013	Added Note, Olomea St. Baseline Curve Data, Relocation of Existing Utility and City & County DTS Pullbox, and HECO lines, and Revised Median Curve Data.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

VINEYARD BOULEVARD RESURFACING
Vicinity of Palama St. to End of H-1 On- and Off Ramp
Federal-Aid Project No. STP-098-1(011)

Scale: 1"=40' Date: November, 2012

SHEET No. 2 OF 7 SHEETS

"AS-BUILT"

ADD. 18R

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-098-1(011)	2012	ADD.19R	64

Median @ Sta. 93+37± to @ Sta. 93+49±
Reconstruct curb ramp with New Type C Curb Ramp. Demolition and disposal of existing curb ramp shall be considered incidental to New Type C Curb Ramp. For details, see Plan Sheet No. 14.

@ Sta. 94+45± Lt. to @ Sta. 94+70± Lt.
@ Sta. 94+85± Lt. to @ Sta. 95+40± Lt.
@ Sta. 95+65± Lt. to @ Sta. 95+95± Lt.
@ Sta. 96+20± Lt. to @ Sta. 96+45± Lt.
@ Sta. 100+60± Lt. to @ Sta. 101+00± Lt.

Reconstruct Concrete Sidewalk. For details, see standard plan D-15.

Median @ Sta. 101+78± to @ Sta. 101+86±
Reconstruct Concrete Island with New Type 2D Curb. Match top of New Concrete Island to top of New Type 2D Curb. This work shall be considered incidental to New PCC Sidewalk and New Type 2D Curb.

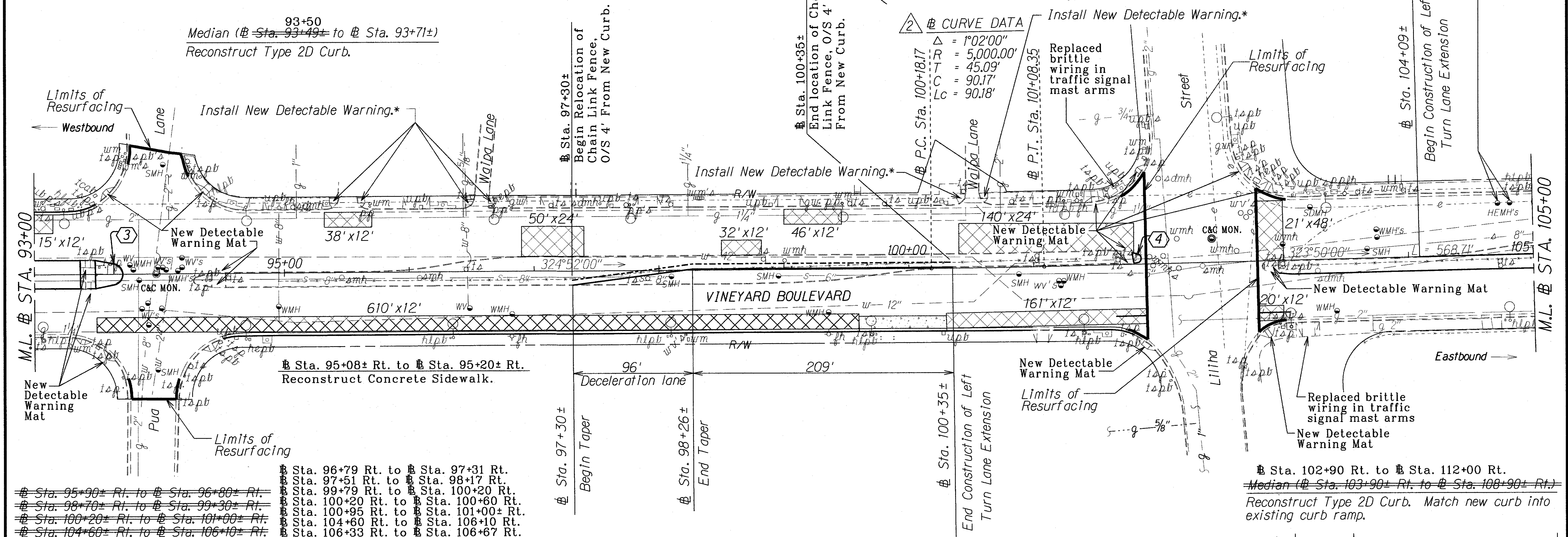
(Median)
@ Sta. 97+30± to @ Sta. 100+35±
Install about 305 L.F. of 6' height chain link fence. For details, see Standard Plan D-03.

93+50
Median @ Sta. 93+49± to @ Sta. 93+71±
Reconstruct Type 2D Curb.

CURVE	STATIONING TO BEGIN CURVE	OFFSET	CURVE DATA				
			Δ	R	T	C	Lc
③	@ Sta. 93+63.50	8.63' Lt.	161°27'54.73"	8.79'	53.87'	17.35'	24.77'
④	@ Sta. 101+83.69	8.18' Rt.	135°53'20.98"	3.77'	9.31'	6.99'	8.94'

@ Sta. 103+90 Lt. to @ Sta. 106+50 Lt.
~~@ Sta. 104+09± Lt. to @ Sta. 106+55± Lt.~~
Construct extension of left turn lane with New Type 2D Curb. For pavement details, see Plan Sht. No. 8.
Removal of existing curb shall be considered incidental to New Type 2D Curb.

See HECO Notes No. 12 # 28 on Plan Sheets Nos. ADD. 4S-1 and ADD. 4S-2.



@ Sta. 95+90± Rt. to @ Sta. 96+80± Rt.
@ Sta. 98+70± Rt. to @ Sta. 99+30± Rt.
@ Sta. 100+20± Rt. to @ Sta. 101+00± Rt.
@ Sta. 104+60± Rt. to @ Sta. 106+10± Rt.
@ Sta. 96+79 Rt. to @ Sta. 97+31 Rt.
@ Sta. 97+51 Rt. to @ Sta. 98+17 Rt.
@ Sta. 99+79 Rt. to @ Sta. 100+20 Rt.
@ Sta. 100+20 Rt. to @ Sta. 100+60 Rt.
@ Sta. 100+95 Rt. to @ Sta. 101+00± Rt.
@ Sta. 104+60 Rt. to @ Sta. 106+10 Rt.
@ Sta. 106+33 Rt. to @ Sta. 106+67 Rt.

Reconstruct Concrete Sidewalk. For details, see standard plan D-15.

@ Sta. 94+52 Rt. to @ Sta. 95+77 Rt.
@ Sta. 95+77 Rt. to @ Sta. 95+90 Rt.
@ Sta. 95+90 Rt. to @ Sta. 99+60 Rt.
@ Sta. 100+32 Rt. to @ Sta. 100+95 Rt.
@ Sta. 101+15 Rt. to @ Sta. 101+49 Rt.
@ Sta. 101+60 Rt. to @ Sta. 101+65 Rt.
@ Sta. 103+88 Rt. to @ Sta. 104+73 Rt.
@ Sta. 94+50± Rt. to @ Sta. 99+60± Rt.
@ Sta. 100+30± Rt. to @ Sta. 100+95± Rt.
@ Sta. 101+23± Rt. to @ Sta. 101+80± Rt.

Reconstruct Type 2DG Curb & Gutter. Match new curb and gutter into existing curb and gutter.

*Note: Removal and disposal of existing detectable warning mat shall be considered incidental to New Detectable Warning. For details, see Sheet No. 15.

@ Sta. 97+30 Rt. to @ Sta. 98+50 Rt.
@ Sta. 98+81 Rt. to @ Sta. 100+67 Rt.
@ Sta. 97+30± Rt. to @ Sta. 100+35± Rt.

Construct extension of left turn lane with New Type 2D Curb. For pavement details, see Plan Sht. No. 8.
Removal of existing curb shall be considered incidental to New Type 2D Curb.

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

@ Sta. 101+65 Rt. to @ Sta. 101+90 Rt.
25'x4'x4" Shallow concrete encased traffic conduit
@ Sta. 102+73 Rt. to @ Sta. 102+98 Rt.
25'x4'x4" Shallow concrete encased traffic conduit

@ Sta. 100+95± Rt. to @ Sta. 101+23± Rt.
Reconstruct Concrete Driveway. For details, see standard plan D-06 and Plan Sheet No.13.

@ Sta. 99+60± Rt. to @ Sta. 100+30± Rt.
Construct New P.C.C. Bus Pad with Modified Type 2DG Curb and Gutter. For details, see Plan Sheet No.16.

④	3/25/2013	Identified HECO's 138KV lines.
②	2/12/2013	Added Vineyard Blvd. Baseline Curve Data and HECO lines, and revised median curve data and note.

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLAN VINEYARD BOULEVARD RESURFACING Vicinity of Palama St. to End of H-1 On- and Off Ramp Federal-Aid Project No. STP-098-1(011) Scale: 1"=40' Date: November, 2012 SHEET No. 3 OF 7 SHEETS	

"AS-BUILT"

ADD. 19R

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-098-1(011)	2012	ADD.20R	64

Median (# Sta. 108+96± to # Sta. 109+66±)
Replace 70 L.F. of 6' height chainlink fence.
For details, see standard plan D-03.

Median (# Sta. 108+90± to # Sta. 109+60±)
Sawcut and remove existing concrete curb, AC curb, AC pavement, and concrete median. Install New Type 2D Curb. Match new curb into existing curb. For landscaping and irrigation details, see Plan Sheets No. 48 and 61.

Median (# Sta. 115+33± to # Sta. 122+33±)
Install 700 L.F. of 6' height chainlink fence. For details, see standard plan D-03. For fence post details at bridge from # Sta. 116+50± to # Sta. 117+50±, see Sheet No. 11.

△ CURVE DATA
Δ = 112°00'
R = 5,000.00'
T = 52.36'
C = 104.72'
Lc = 104.72'

Median (# Sta. 109+60± Rt. to # Sta. 113+93± Rt.)
Reconstruct Type 2D Curb. Match new curb into existing curb.

Sta. 111+90± Lt. to # Sta. 112+40± Lt.
Sta. 112+65± Lt. to # Sta. 113+35± Lt.
Sta. 111+88 Lt. to # Sta. 112+40 Lt.
Reconstruct Concrete Sidewalk. For details, see standard plan D-15.

New Detectable Warning Mat

Limits of Resurfacing

Install New Detectable Warning.*

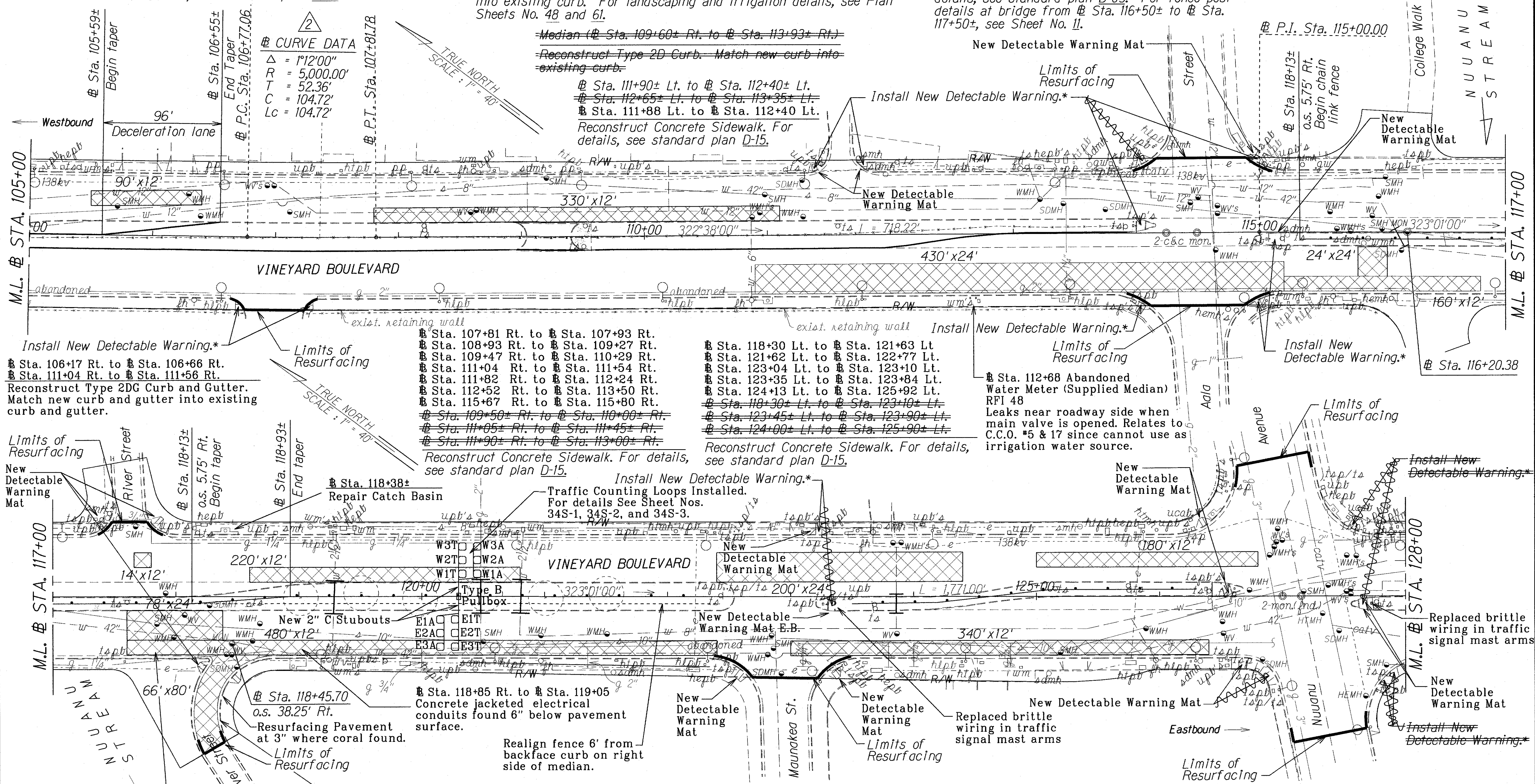
New Detectable Warning Mat

P.I. Sta. 115+00.00

Sta. 118+13±
o.s. 5.75' Rt.
Begin chain link fence

New Detectable Warning Mat

NUUANU STREAM



Install New Detectable Warning.*
Sta. 106+17 Rt. to # Sta. 106+66 Rt.
Sta. 111+04 Rt. to # Sta. 111+56 Rt.
Reconstruct Type 2DG Curb and Gutter.
Match new curb and gutter into existing curb and gutter.

Sta. 107+81 Rt. to # Sta. 107+93 Rt.
Sta. 108+93 Rt. to # Sta. 109+27 Rt.
Sta. 109+47 Rt. to # Sta. 110+29 Rt.
Sta. 111+04 Rt. to # Sta. 111+54 Rt.
Sta. 111+82 Rt. to # Sta. 112+24 Rt.
Sta. 112+52 Rt. to # Sta. 113+50 Rt.
Sta. 115+67 Rt. to # Sta. 115+80 Rt.
Sta. 109+50± Rt. to # Sta. 110+00± Rt.
Sta. 111+05± Rt. to # Sta. 111+45± Rt.
Sta. 111+90± Rt. to # Sta. 113+00± Rt.
Reconstruct Concrete Sidewalk. For details, see standard plan D-15.

Sta. 118+30 Lt. to # Sta. 121+63 Lt.
Sta. 121+62 Lt. to # Sta. 122+77 Lt.
Sta. 123+04 Lt. to # Sta. 123+10 Lt.
Sta. 123+35 Lt. to # Sta. 123+84 Lt.
Sta. 124+13 Lt. to # Sta. 125+92 Lt.
Sta. 118+30± Lt. to # Sta. 123+10± Lt.
Sta. 123+45± Lt. to # Sta. 123+90± Lt.
Sta. 124+00± Lt. to # Sta. 125+90± Lt.
Reconstruct Concrete Sidewalk. For details, see standard plan D-15.

Sta. 112+68 Abandoned Water Meter (Supplied Median) RFI 48
Leaks near roadway side when main valve is opened. Relates to C.C.O. #5 & 17 since cannot use as irrigation water source.

Install New Detectable Warning.*

Sta. 116+20.38

Limits of Resurfacing
New Detectable Warning Mat

Sta. 118+38±
Repair Catch Basin

Install New Detectable Warning.*
Traffic Counting Loops Installed. For details See Sheet Nos. 34S-1, 34S-2, and 34S-3.

New Detectable Warning Mat

New Detectable Warning Mat E.B.

New Detectable Warning Mat

Install New Detectable Warning.*

M.L. # STA. 117+00

M.L. # STA. 128+00

Cold Planing exposed macadam subgrade 9" below pavement surface in reconstruction area.

Sta. 119+30 Rt. to # Sta. 119+38 Rt.
Sta. 121+19 Rt. to # Sta. 121+32 Rt.
Reconstruct Concrete Sidewalk. For details, See Standard Plan D-15.

Sta. 118+85 Rt. to # Sta. 119+05
Concrete jacketed electrical conduits found 6" below pavement surface.

Realign fence 6' from backface curb on right side of median.

At 4" depth coral base course, 6' o/s from Vineyard. 60'(curve) x 18'W x 4"D

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

**△ LEGEND:**  
Verify utility crossing prior to construction. Provide 2' minimum clearance from fence post foundation.

Median (# Sta. 123+50± to # Sta. 126+30±)  
Install 280 L.F. of 6' height chainlink fence. For details, see standard plan D-03.

DATE	REVISION
3/25/2013	Identified HECO's 138kV lines. Added HECO lines at Aala St. and Nuuanu St. intersections.
2/12/2013	Added Vineyard Blvd. Baseline Curve Data, Installation of Chain Link Fence, Legend, and HECO lines.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### ROADWAY PLAN

#### VINEYARD BOULEVARD RESURFACING

Vicinity of Palama St. to End of H-1 On- and Off-Ramp

Federal-Aid Project No. STP-098-1(011)

Scale: 1"=40'      Date: November, 2012

SHEET No. 4 OF 7 SHEETS

*Note: Removal and disposal of existing detectable warning mat shall be considered incidental to New Detectable Warning. For details, see Sheet No. 15.

DATE: _____  
SURVEY DOTTED BY: _____  
PLAN: _____  
DESIGNED BY: _____  
CHECKED BY: _____  
NOTE BOOK: _____  
QUANTITIES BY: _____  
CHECKED BY: _____

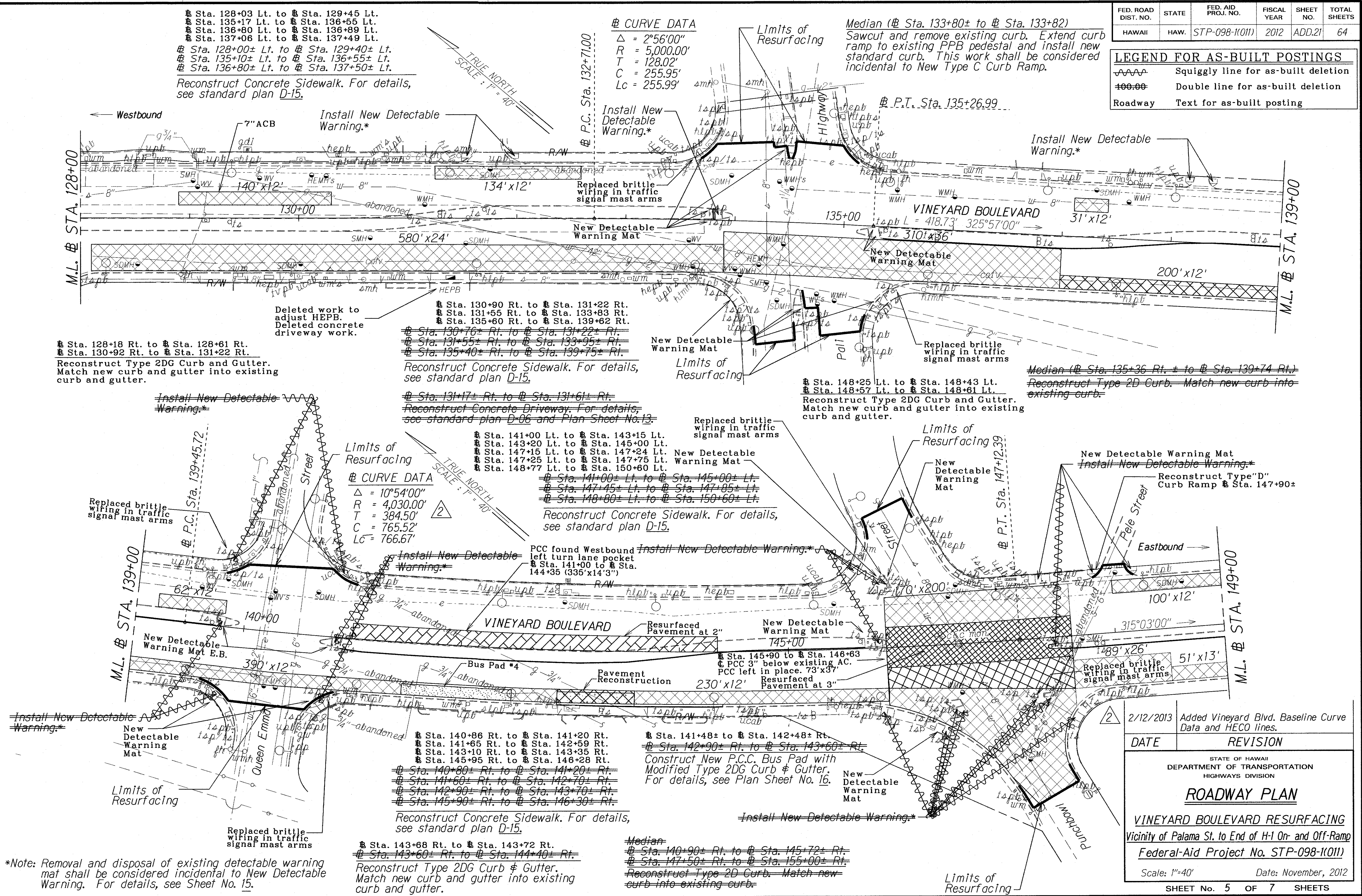
"AS-BUILT"

ADD. 20R



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-098-1(K011)	2012	ADD.21	64

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



*Note: Removal and disposal of existing detectable warning mat shall be considered incidental to New Detectable Warning. For details, see Sheet No. 15.

Median  
 # Sta. 140+90 Rt. to # Sta. 145+72 Rt.  
 # Sta. 147+50 Rt. to # Sta. 155+00 Rt.  
 Reconstruct Type 2D Curb. Match new curb into existing curb.

"AS-BUILT"

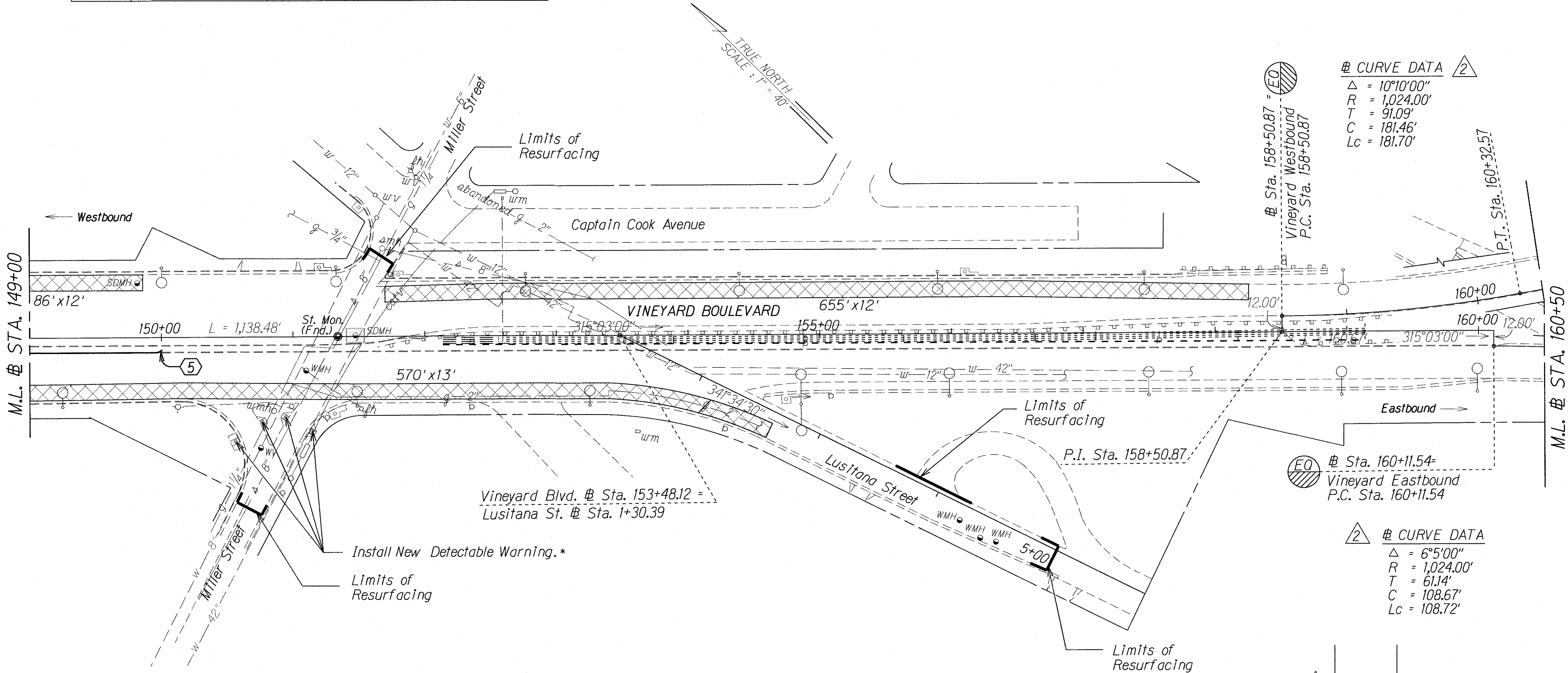
2/12/2013	Added Vineyard Blvd. Baseline Curve Data and HECO lines.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>ROADWAY PLAN</b> <b>VINEYARD BOULEVARD RESURFACING</b> Vicinity of Palama St. to End of H-1 On- and Off-Ramp Federal-Aid Project No. STP-098-1(K011) Scale: 1"=40' Date: November, 2012 SHEET No. 5 OF 7 SHEETS	

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
NO. 200000000	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-098-1(011)	2012	ADD.22	64

CURVE	# STATIONING TO BEGIN CURVE	OFFSET	CURVE DATA				
			$\Delta$	R	T	C	Lc
(5)	# Sta. 149+96.36	11.74' Rt.	51°51'0.79"	5.50'	2.67'	4.81'	4.98'



# CURVE DATA	(2)
$\Delta$	= 10°10'00"
R	= 1,024.00'
T	= 91.09'
C	= 181.46'
Lc	= 181.70'

# CURVE DATA	(2)
$\Delta$	= 6°5'00"
R	= 1,024.00'
T	= 61.14'
C	= 108.67'
Lc	= 108.72'

DATE	REVISION
2/12/2013	Added Vineyard Blvd. Baseline Curve Data and HECO lines, and revised median curve data.

DATE	REVISION
------	----------

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>ROADWAY PLAN</b>
VINEYARD BOULEVARD RESURFACING Vicinity of Palama St. to End of H-1 On- and Off-Ramp Federal-Aid Project No. STP-098-1(011)
Scale: 1"=40'      Date: November, 2012

SHEET No. 6 OF 7 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO. 200000000	

*Note: Removal and disposal of existing detectable warning mat shall be considered incidental to New Detectable Warning. For details, see Sheet No. 15.

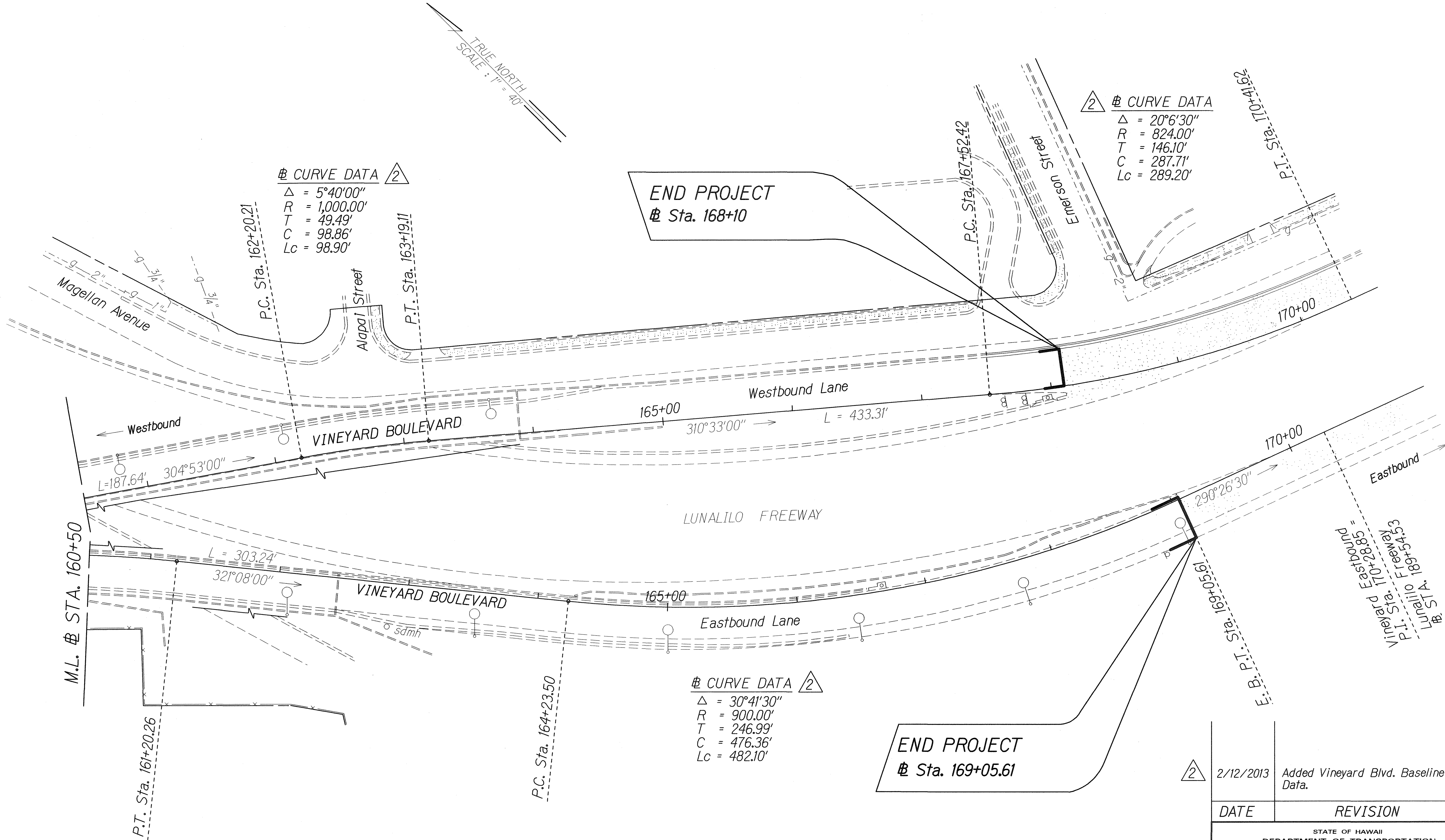
LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

"AS-BUILT"

ADD. 22



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-098-1(011)	2012	ADD.23	64



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
dd3	CHECKED BY	
dd3	QUANTITIES BY	
dd3	CHECKED BY	

2/12/2013	Added Vineyard Blvd. Baseline Curve Data.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>ROADWAY PLAN</b> <b>VINEYARD BOULEVARD RESURFACING</b> Vicinity of Palama St. to End of H-1 On- and Off-Ramp Federal-Aid Project No. STP-098-1(011) Scale: 1"=40'      Date: November, 2012	
SHEET No. 7 OF 7 SHEETS	