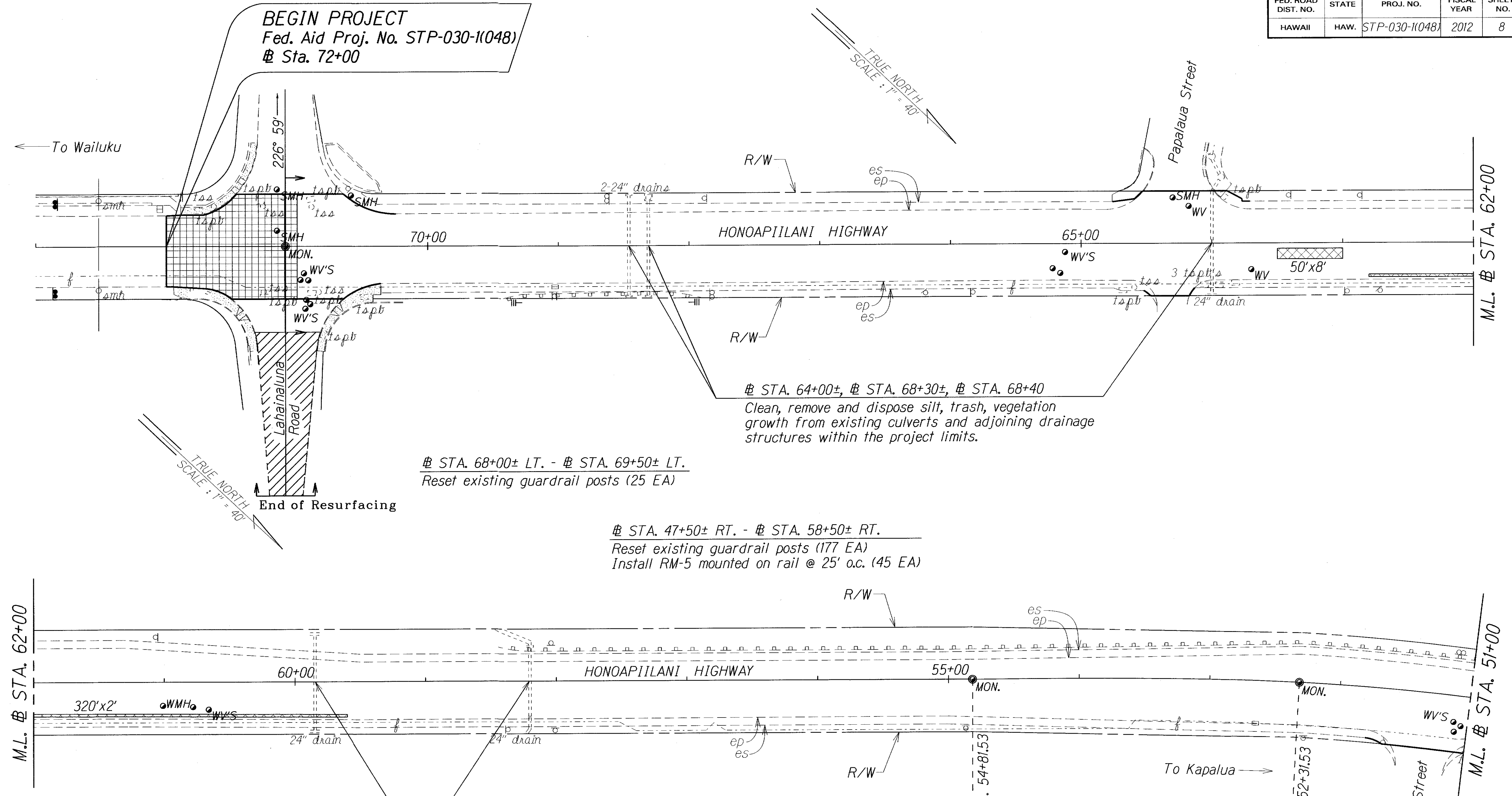


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-11(048)	2012	8	25



BEGIN PROJECT
 Fed. Aid Proj. No. STP-030-11(048)
 @ Sta. 72+00

@ STA. 64+00±, @ STA. 68+30±, @ STA. 68+40
 Clean, remove and dispose silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

@ STA. 68+00± LT. - @ STA. 69+50± LT.
 Reset existing guardrail posts (25 EA)

@ STA. 47+50± RT. - @ STA. 58+50± RT.
 Reset existing guardrail posts (177 EA)
 Install RM-5 mounted on rail @ 25' o.c. (45 EA)

@ STA. 59+90±, @ STA. 58+40±
 Clean, remove and dispose silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

@ CURVE DATA
 $\Delta = 27^\circ 21' 00''$
 $D_c = 3^\circ 00' 00''$
 $R_c = 1909.86$
 $L_c = 661.67$
 $L_s = 250.00$
 $T_s = 590.01$
 $X_c = 249.89$
 $Y_c = 5.45$
 $L.T. = 166.70$
 $S.T. = 83.37$
 $\theta_s = 3.75^\circ$
 $S.E. = 0.071$

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

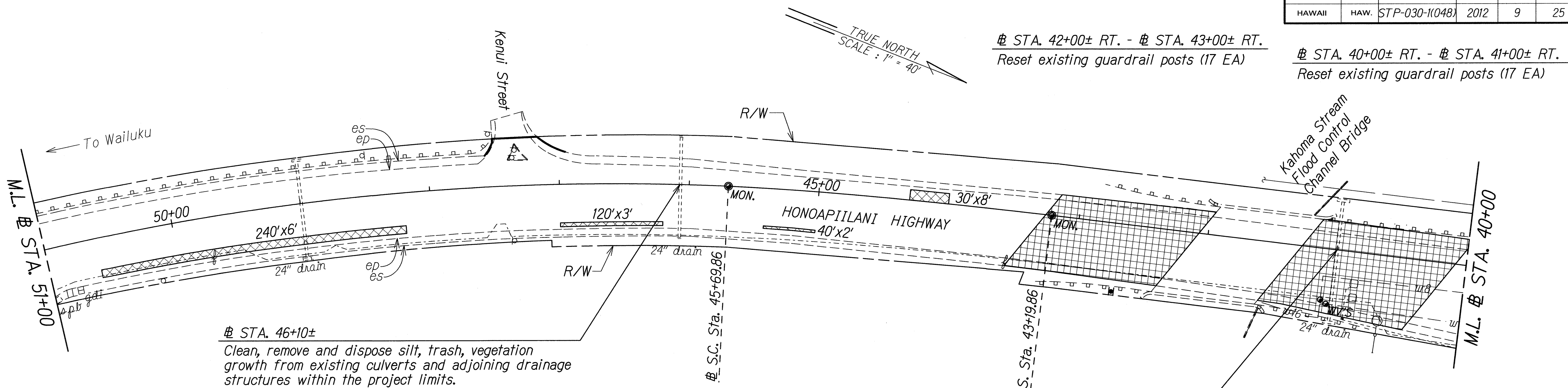
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
 HONOAPIILANI HIGHWAY PAVEMENT
 PREVENTIVE MAINTENANCE
 Lahainaluna Road to Kaanapali Parkway
 Federal-Aid Project No. STP-030-11(048)
 Scale: 1" = 40' Date: July, 2011
 SHEET No. 1 OF 8 SHEETS

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

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(048)	2012	9	25



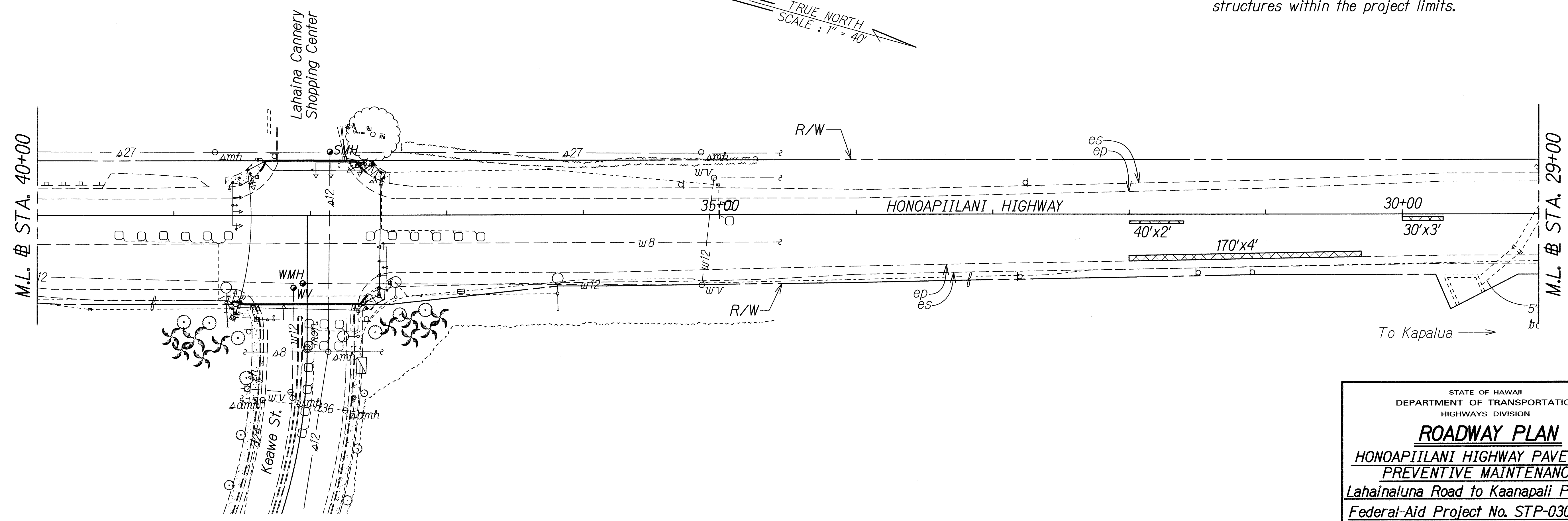
STA. 42+00± RT. - STA. 43+00± RT.
 Reset existing guardrail posts (17 EA)

STA. 40+00± RT. - STA. 41+00± RT.
 Reset existing guardrail posts (17 EA)

STA. 42+50± LT. - STA. 43+50± LT.
 Reset existing guardrail posts (17 EA)

STA. 40+50± LT. - STA. 41+50± LT.
 Reset existing guardrail posts (17 EA)

STA. 41+00±
 Clean, remove and dispose silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.



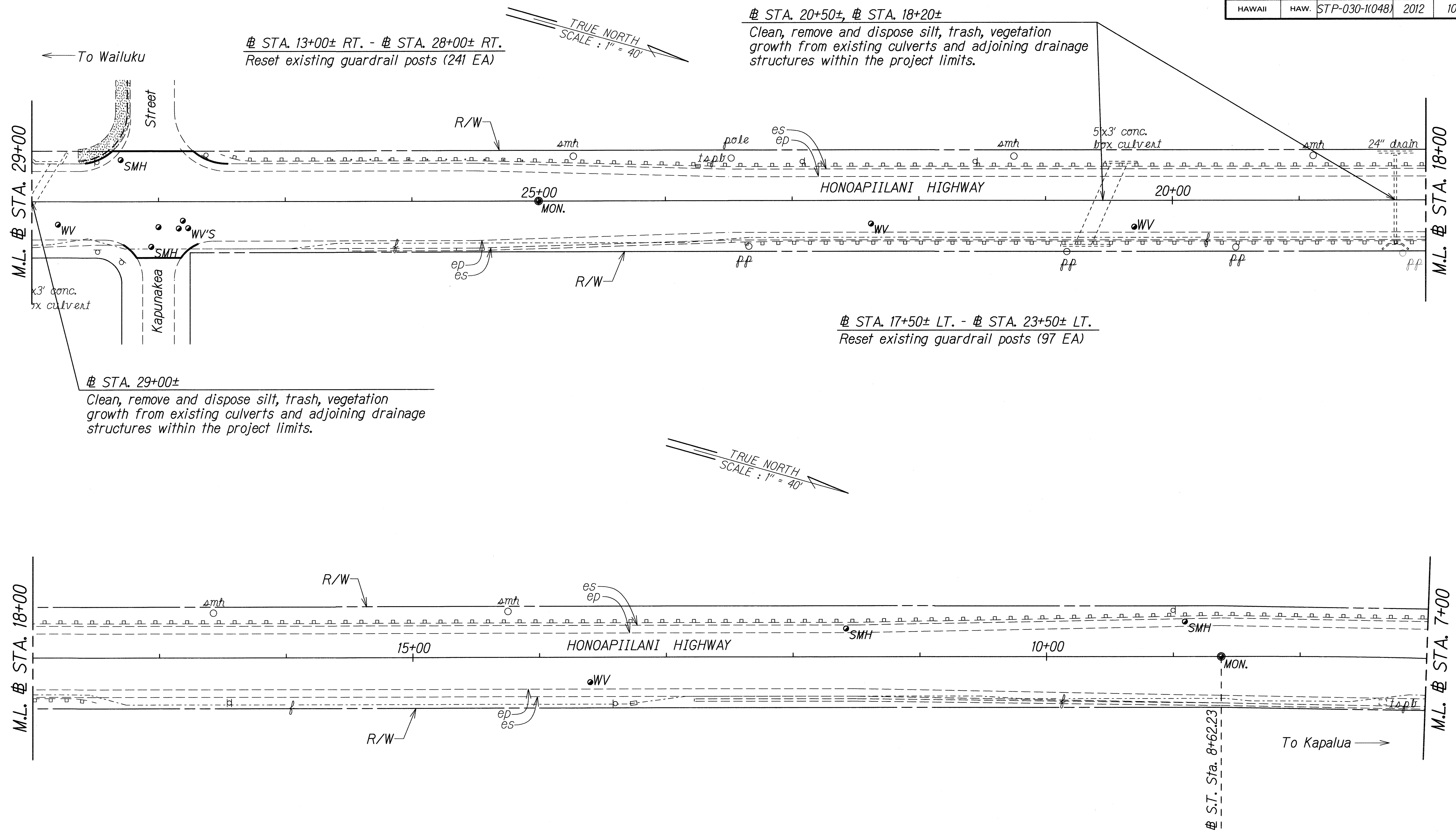
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN
 HONOAPIILANI HIGHWAY PAVEMENT
 PREVENTIVE MAINTENANCE
 Lahainaluna Road to Kaanapali Parkway
 Federal-Aid Project No. STP-030-1(048)

Scale: 1" = 40'
 Date: July, 2011

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(048)	2012	10	25

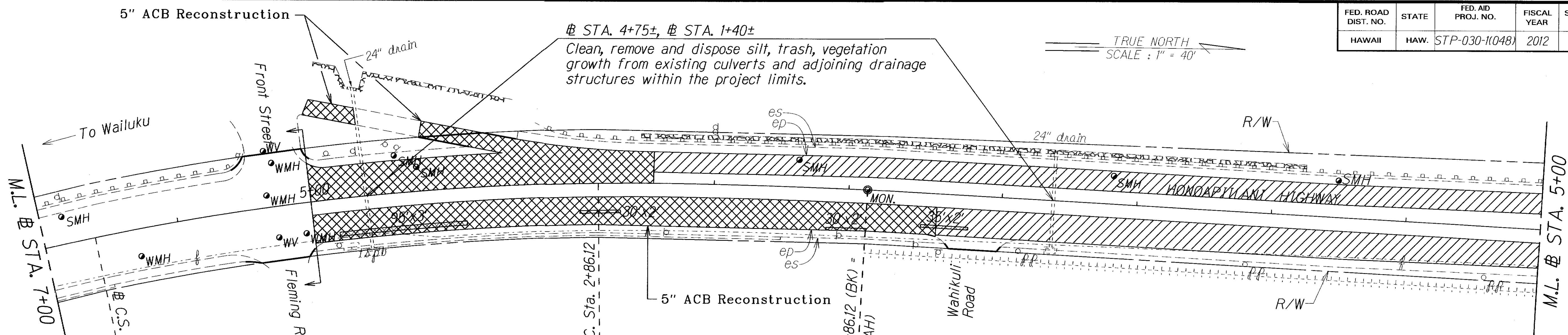


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
HONOAPIILANI HIGHWAY PAVEMENT PREVENTIVE MAINTENANCE
Lahainaluna Road to Kaanapali Parkway
Federal-Aid Project No. STP-030-1(048)
Scale: 1" = 40'
Date: July, 2011

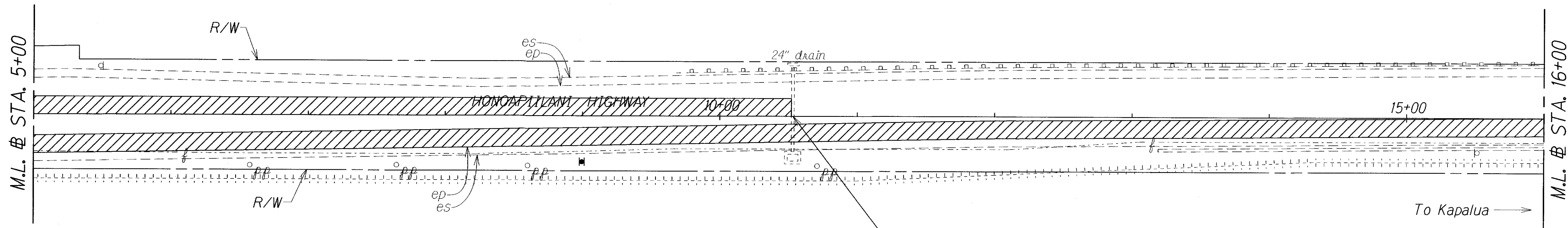
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-K048	2012	11	25



CURVE DATA

Δ	= 17°17'00"
D_c	= 3°00'00"
R_c	= 1909.86
L_c	= 376.11
L_s	= 200.00
T_s	= 390.39
X_c	= 199.95
Y_c	= 3.49
$L.T.$	= 133.35
$S.T.$	= 66.68
θ_s	= 3.00°
$S.E.$	= 0.04

STA. 5+25± RT. - STA. 13+00± RT.
Reset existing guardrail posts (125 EA)



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES 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

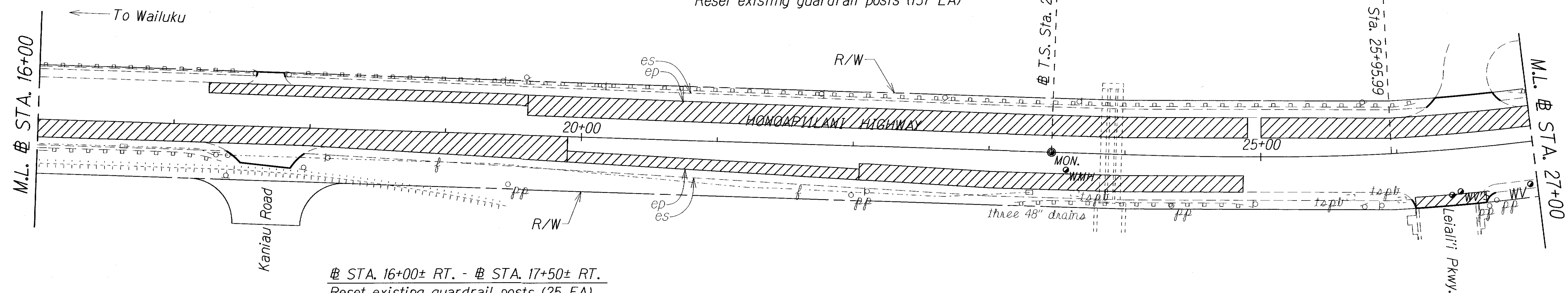
ROADWAY PLAN
HONOAPIILANI HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE
Lahaina Road to Kaanapali Parkway
Federal-Aid Project No. STP-030-K048
Scale: 1" = 40' Date: July, 2011

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(048)	2012	12	25

STA. 12+00± LT. - # STA. 17+50± LT.
Reset existing guardrail posts (89 EA)

TRUE NORTH
SCALE: 1" = 40'

STA. 17+75± LT. - # STA. 26+25± LT.
Reset existing guardrail posts (137 EA)



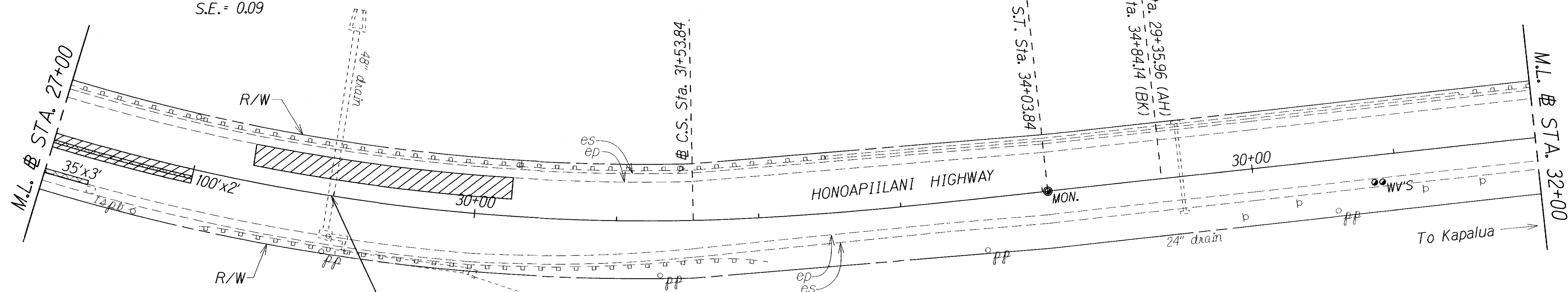
STA. 16+00± RT. - # STA. 17+50± RT.
Reset existing guardrail posts (25 EA)

STA. 23+00± RT. - # STA. 25+00± RT.
Reset existing guardrail posts (33 EA)

CURVE DATA

$\Delta = 32^\circ 18' 50''$
 $Dc = 4^\circ 00' 00''$
 $Rc = 1432.38$
 $Lc = 557.85$
 $Ls = 250.00$
 $Ts = 540.48$
 $Xc = 249.81$
 $Yc = 7.27$
 $L.T. = 166.73$
 $S.T. = 83.39$
 $\theta_s = 5.00^\circ$
 $S.E. = 0.09$

TRUE NORTH
SCALE: 1" = 40'



STA. 29+00±
Clean, remove and dispose silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

STA. 28+00± RT. - # STA. 32+00± RT.
Reset existing guardrail posts (65 EA)

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

ROADWAY PLAN

HONOAPIILANI HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE

Lahaina Road to Kaanapali Parkway
Federal-Aid Project No. STP-030-1(048)

Scale: 1" = 40' Date: July, 2011

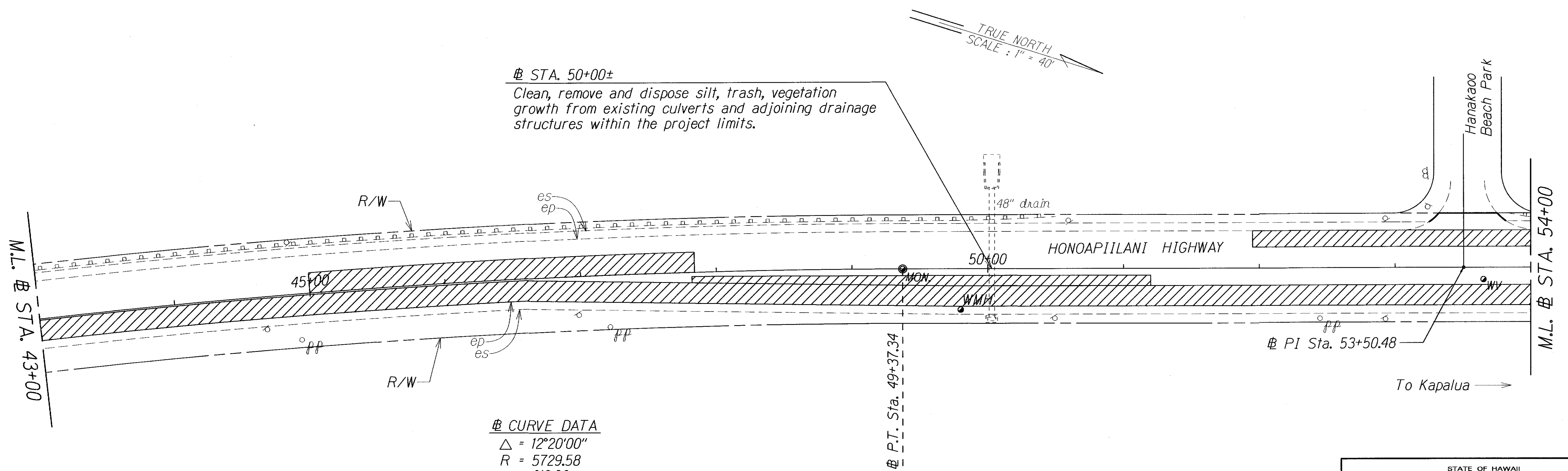
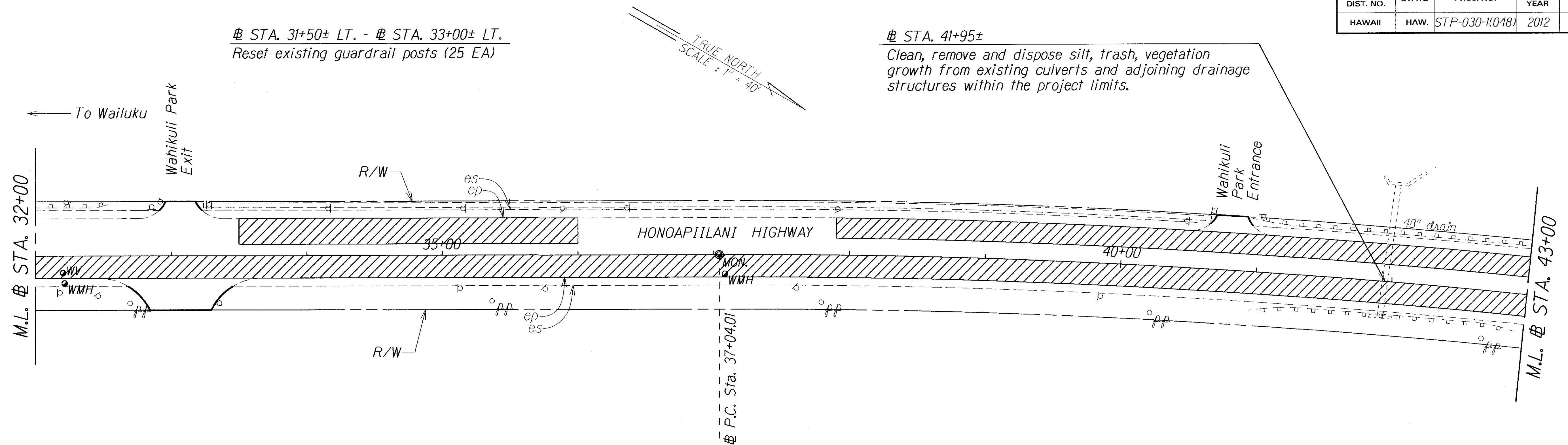
SHEET No. 5 OF 8 SHEETS

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

"AS-BUILT"

12

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-11(048)	2012	13	25



CURVE DATA
 $\Delta = 12^{\circ}20'00''$
 $R = 5729.58$
 $T = 619.06$
 $C = 1230.95$
 $Lc = 1233.33$
 $S. E. = 0.022$

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

ROADWAY PLAN
 HONOAPIILANI HIGHWAY PAVEMENT
 PREVENTIVE MAINTENANCE
 Lahainaluna Road to Kaanapali Parkway
 Federal-Aid Project No. STP-030-11(048)

Scale: 1" = 40' Date: July, 2011

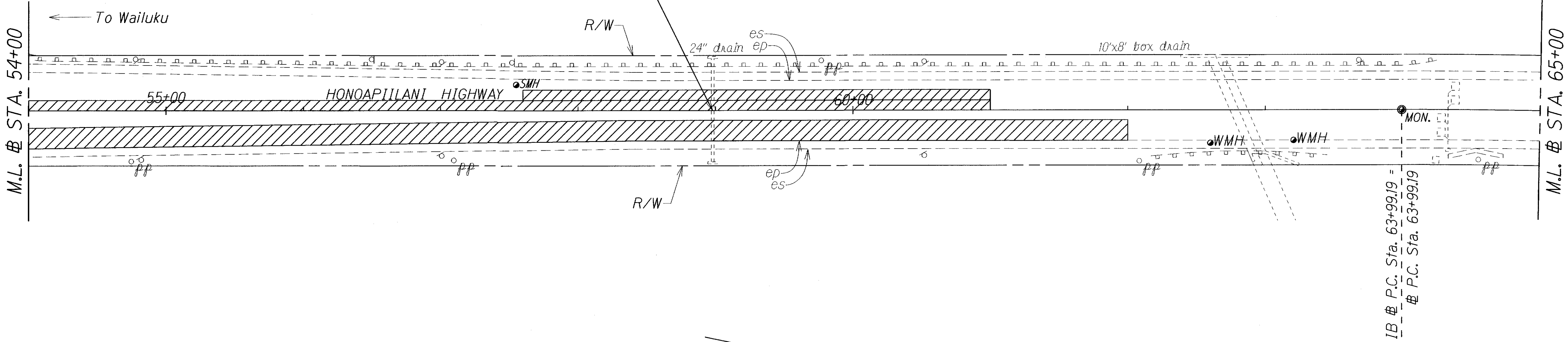
SHEET No. 6 OF 8 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(048)	2012	14	25

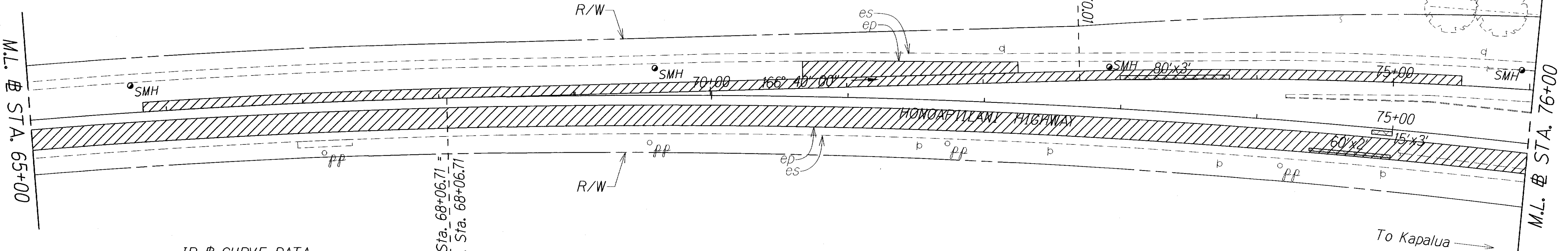
STA. 59+00±
Clean, remove and dispose silt, trash, vegetation growth from existing culverts and adjoining drainage structures within the project limits.

STA. 53+90± LT. - # STA. 64+20± LT.
Reset existing guardrail posts (166 EA)



IB # CURVE DATA

$\Delta = 11^{\circ}01'18''$
 $R = 3500.00$
 $T = 337.68$
 $C = 672.24$
 $Lc = 673.28$
 $S. E. = 0.031$



IB # CURVE DATA

$\Delta = 4^{\circ}04'00''$
 $R = 5729.58$
 $T = 203.42$
 $C = 406.58$
 $Lc = 406.67$
 $S. E. = 0.022$

CURVE DATA

$\Delta = 17^{\circ}22'40''$
 $R = 5729.58$
 $T = 875.61$
 $C = 1731.12$
 $Lc = 1737.78$
 $S. E. = 0.022$

LEGEND FOR AS-BUILT POSTINGS

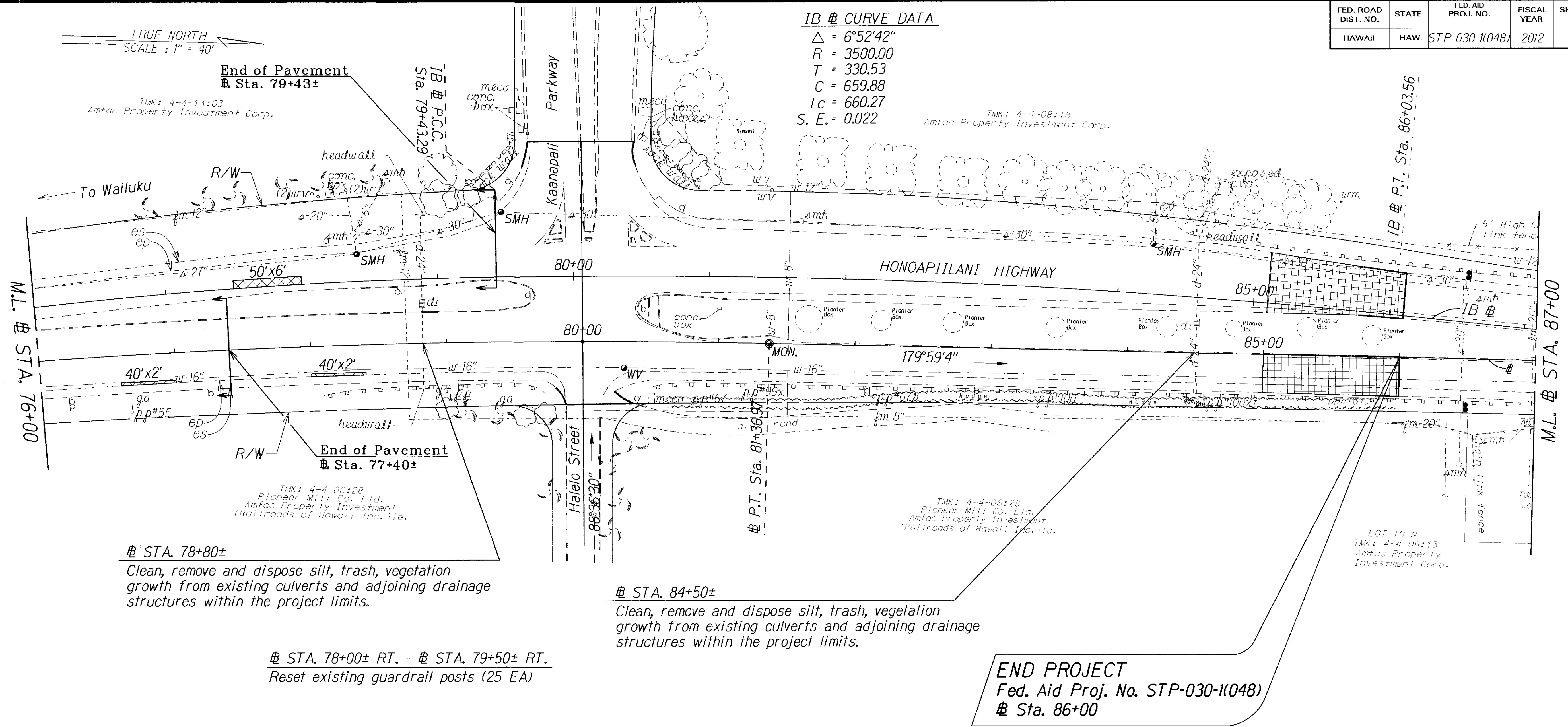
Squiggly line for as-built deletion
 Double line for as-built deletion
 Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
HONOAPIILANI HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE
Lahaina Road to Kaaanapali Parkway
Federal-Aid Project No. STP-030-1(048)
Scale: 1" = 40' Date: July, 2011
SHEET No. 7 OF 8 SHEETS

"AS-BUILT"

14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(048)	2012	15	25



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES 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

ROADWAY PLAN
HONOAPIILANI HIGHWAY PAVEMENT PREVENTIVE MAINTENANCE
Lahainaluna Road to Kaanapali Parkway
Federal-Aid Project No. STP-030-1(048)
Scale: 1" = 40'
Date: July, 2011

SHEET No. 8 OF 8 SHEETS