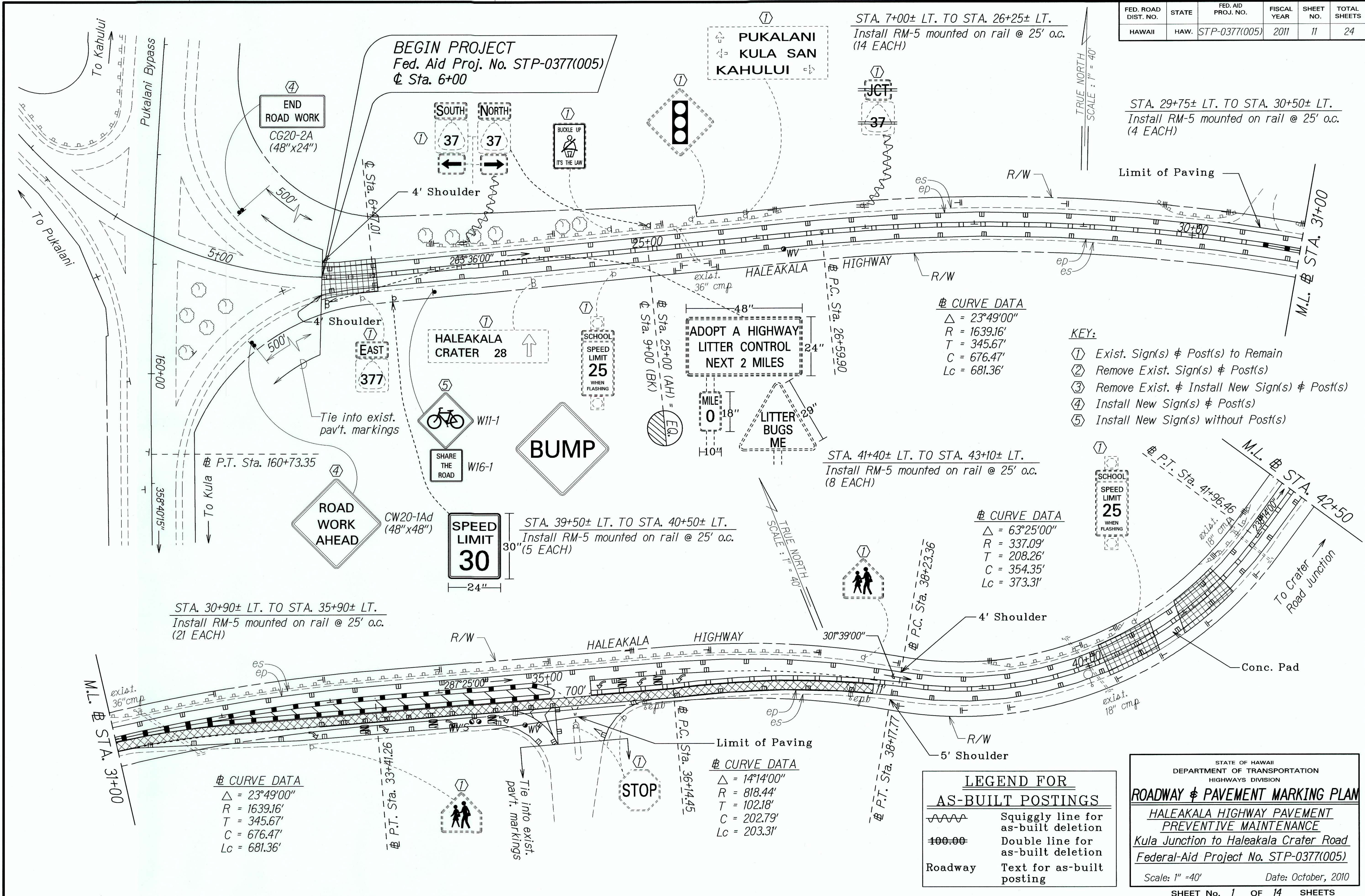


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	11	24



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO. 1000	
NO. 1000	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

HALEAKALA HIGHWAY PAVEMENT PREVENTIVE MAINTENANCE

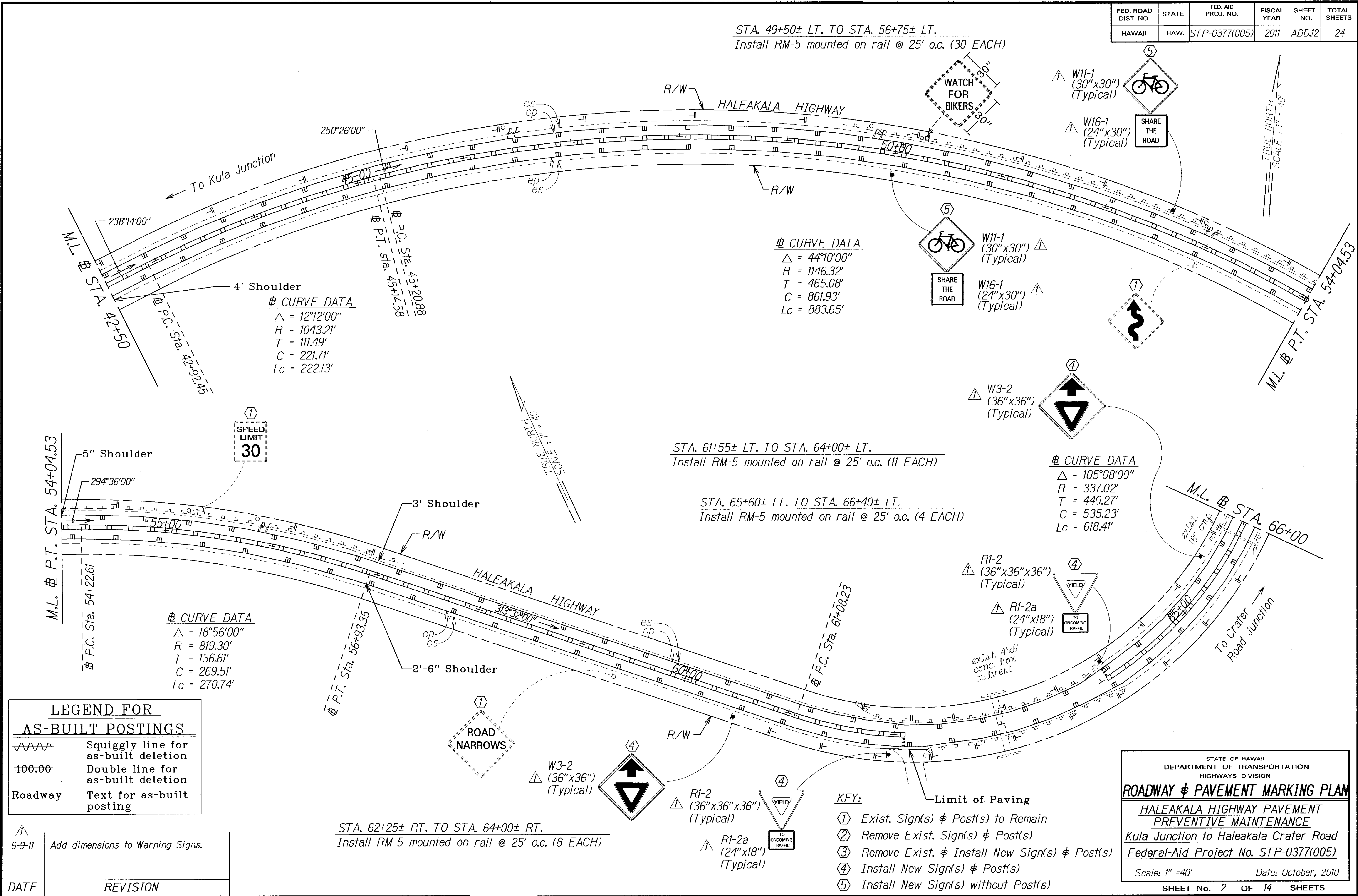
Kula Junction to Haleakala Crater Road
Federal-Aid Project No. STP-0377(005)

Scale: 1" = 40' Date: October, 2010

SHEET No. 1 OF 14 SHEETS

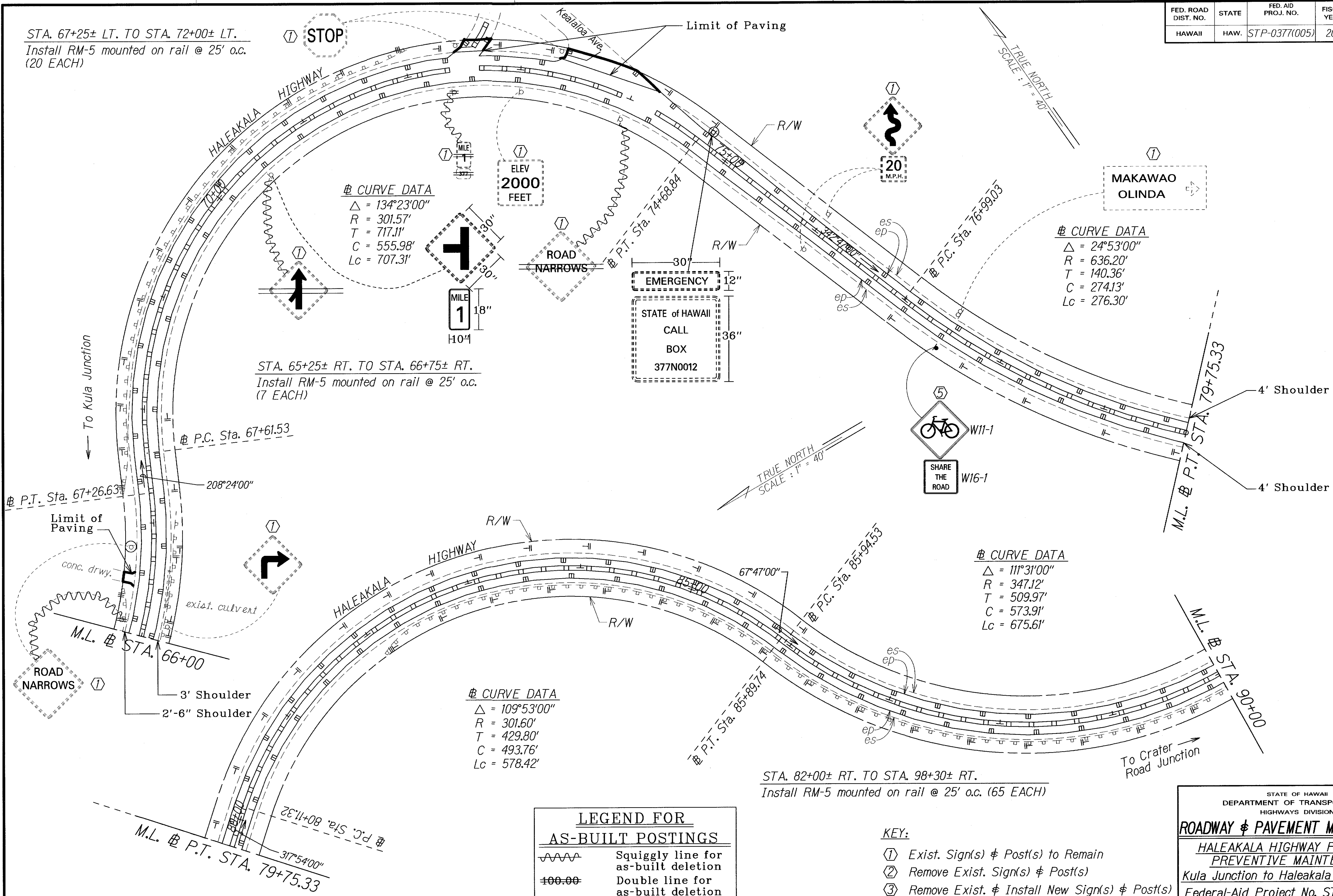
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	ADD.12	24



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	13	24

STA. 67+25± LT. TO STA. 72+00± LT.
Install RM-5 mounted on rail @ 25' o.c.
(20 EACH)



STA. 65+25± RT. TO STA. 66+75± RT.
Install RM-5 mounted on rail @ 25' o.c.
(7 EACH)

CURVE DATA
Δ = 24°53'00"
R = 636.20'
T = 140.36'
C = 274.13'
Lc = 276.30'

CURVE DATA
Δ = 111°31'00"
R = 347.12'
T = 509.97'
C = 573.91'
Lc = 675.61'

CURVE DATA
Δ = 109°53'00"
R = 301.60'
T = 429.80'
C = 493.76'
Lc = 578.42'

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

- KEY:
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)
 - ⑤ Install New Sign(s) without Post(s)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN
HALEAKALA HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE
Kula Junction to Haleakala Crater Road
Federal-Aid Project No. STP-0377(005)
Scale: 1" = 40' Date: October, 2010
SHEET No. 3 OF 14 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
QUANTITIES BY	
NOTES BY	
DATE	

"AS-BUILT"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

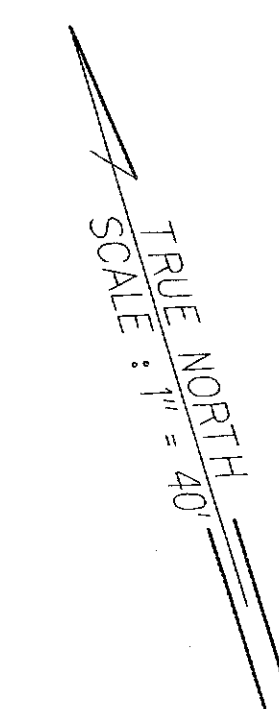
**HALEAKALA HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE**

Kula Junction to Haleakala Crater Road
Federal-Aid Project No. STP-0377(005)

Scale: 1" = 40' Date: October, 2010

SHEET No. 4 OF 14 SHEETS

TRUE NORTH
SCALE: 1" = 40'



KEY:

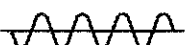
- ① Exist. Sign(s) $\nrightarrow$ Post(s) to Remain
- ② Remove Exist. Sign(s) $\nrightarrow$ Post(s)
- ③ Remove Exist. $\nrightarrow$ Install New Sign(s) $\nrightarrow$ Post(s)
- ④ Install New Sign(s) $\nrightarrow$ Post(s)

14

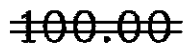
ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY <i>X</i>	<i>X</i>
<i>dd.x</i>	TRACED BY _____	*
<i>Adgn</i>	DESIGNED BY <i>X</i>	_____
N _o	QUANTITIES BY _____	*
	CHECKED BY _____	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	16	24

LEGEND FOR
AS-BUILT POSTINGS



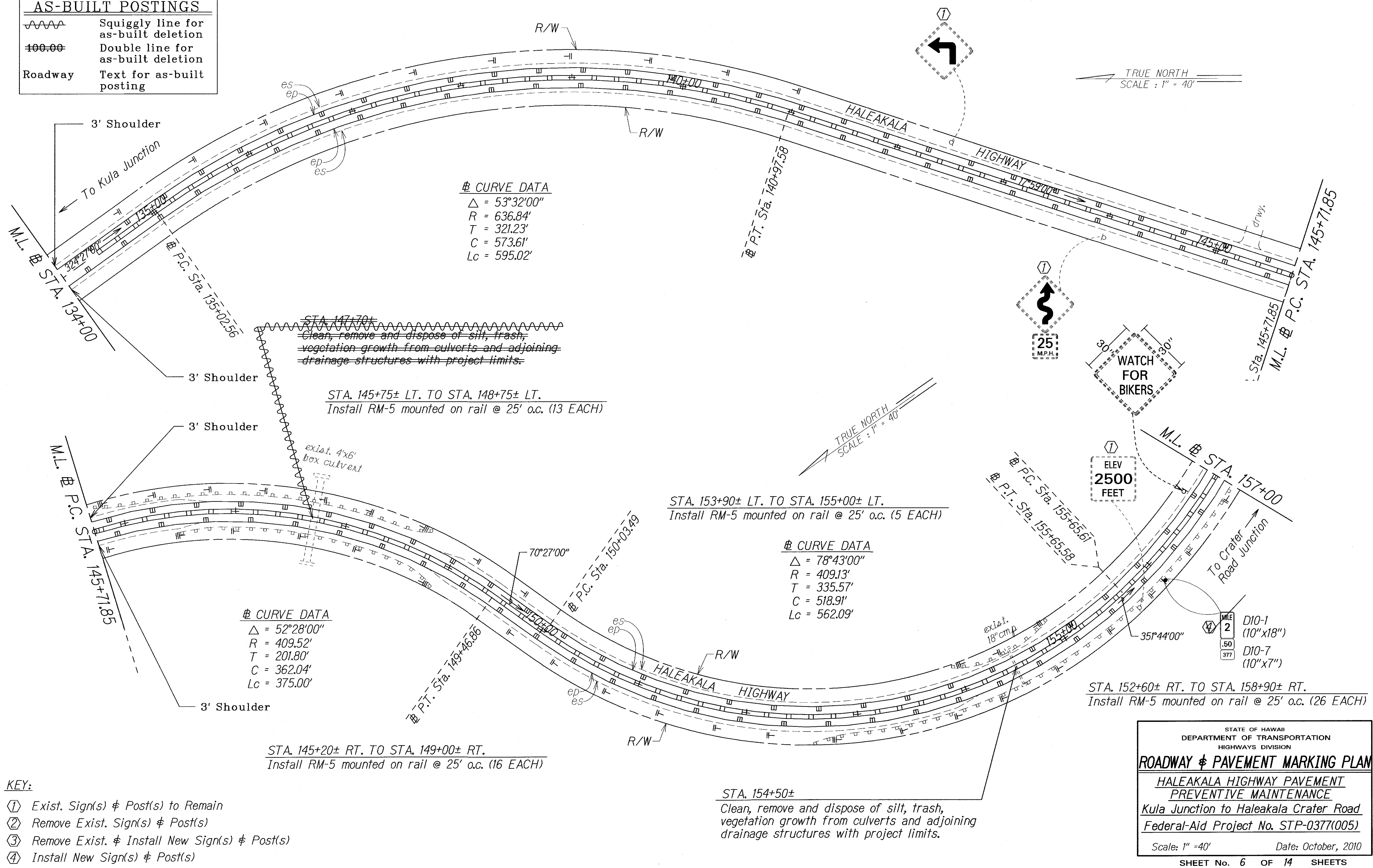
Squiggly line for
as-built deletion



Double line for
as-built deletion



Roadway Text for as-built
posting

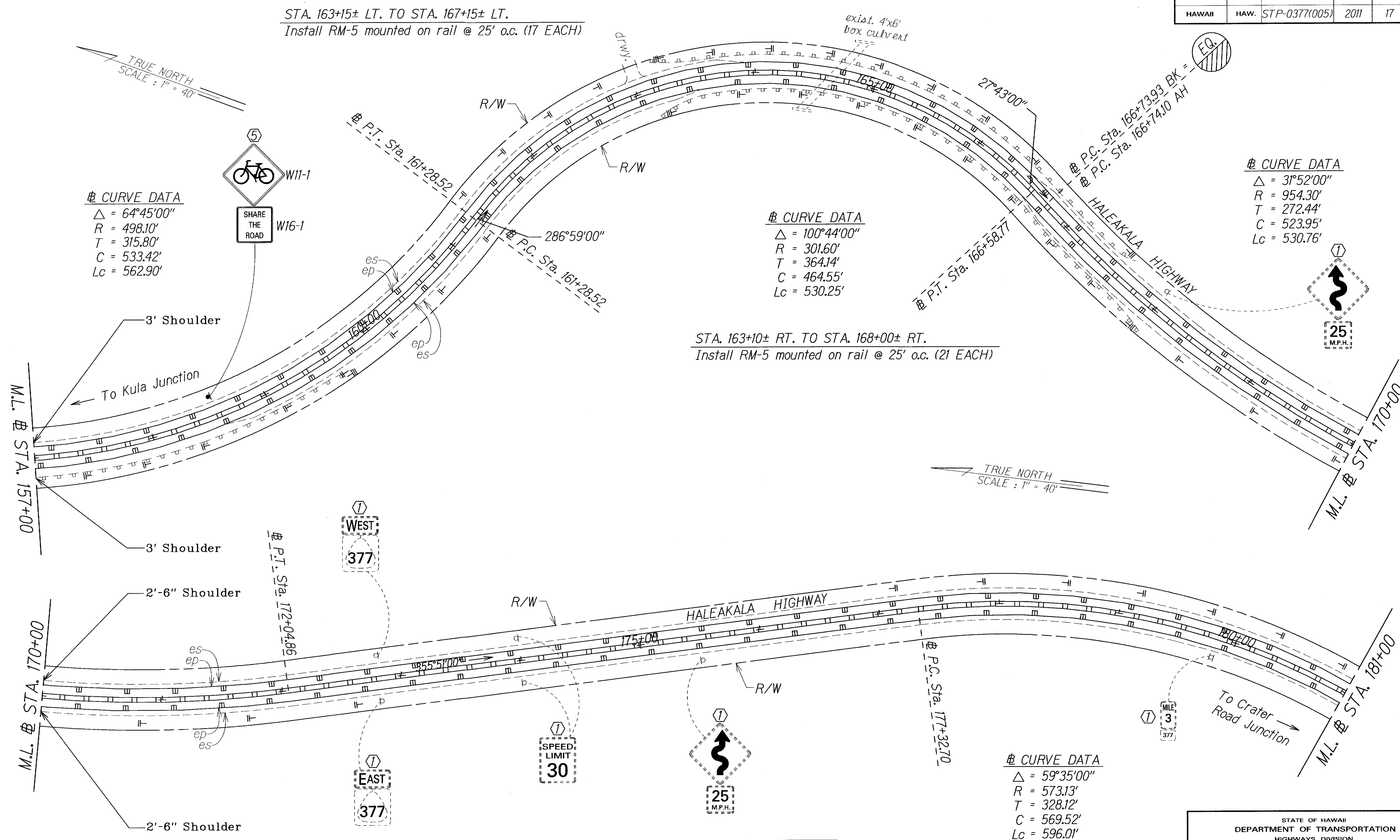


ORIGINAL	DATE
PLANNED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

- KEY:
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	17	24



DATE	10/10/10
SURVEY PLOTTED BY	Y. Chen
DESIGNED BY	Y. Chen
TRACED BY	Y. Chen
NOTED BY	Y. Chen
CHECKED BY	Y. Chen

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

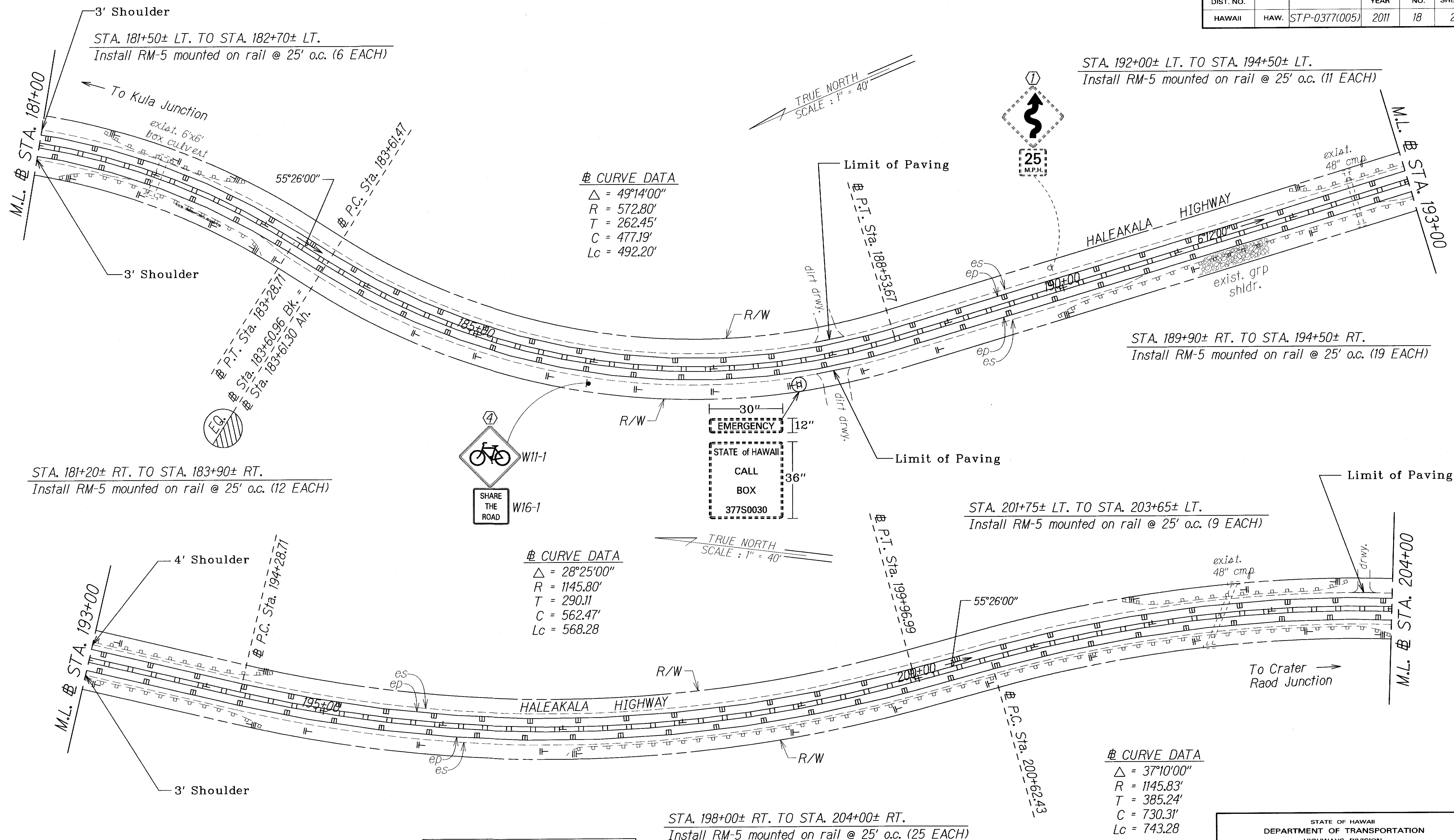
KEY:

- Exist. Sign(s) & Post(s) to Remain
- Remove Exist. Sign(s) & Post(s)
- Remove Exist. & Install New Sign(s) & Post(s)
- Install New Sign(s) & Post(s)
- Install New Sign(s) without Post(s)

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
HALEAKALA HIGHWAY PAVEMENT PREVENTIVE MAINTENANCE Kula Junction to Haleakala Crater Road Federal-Aid Project No. STP-0377(005)	
Scale: 1" = 40'	Date: October, 2010
SHEET No. 7 OF 14 SHEETS	

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	18	24



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

- KEY:
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

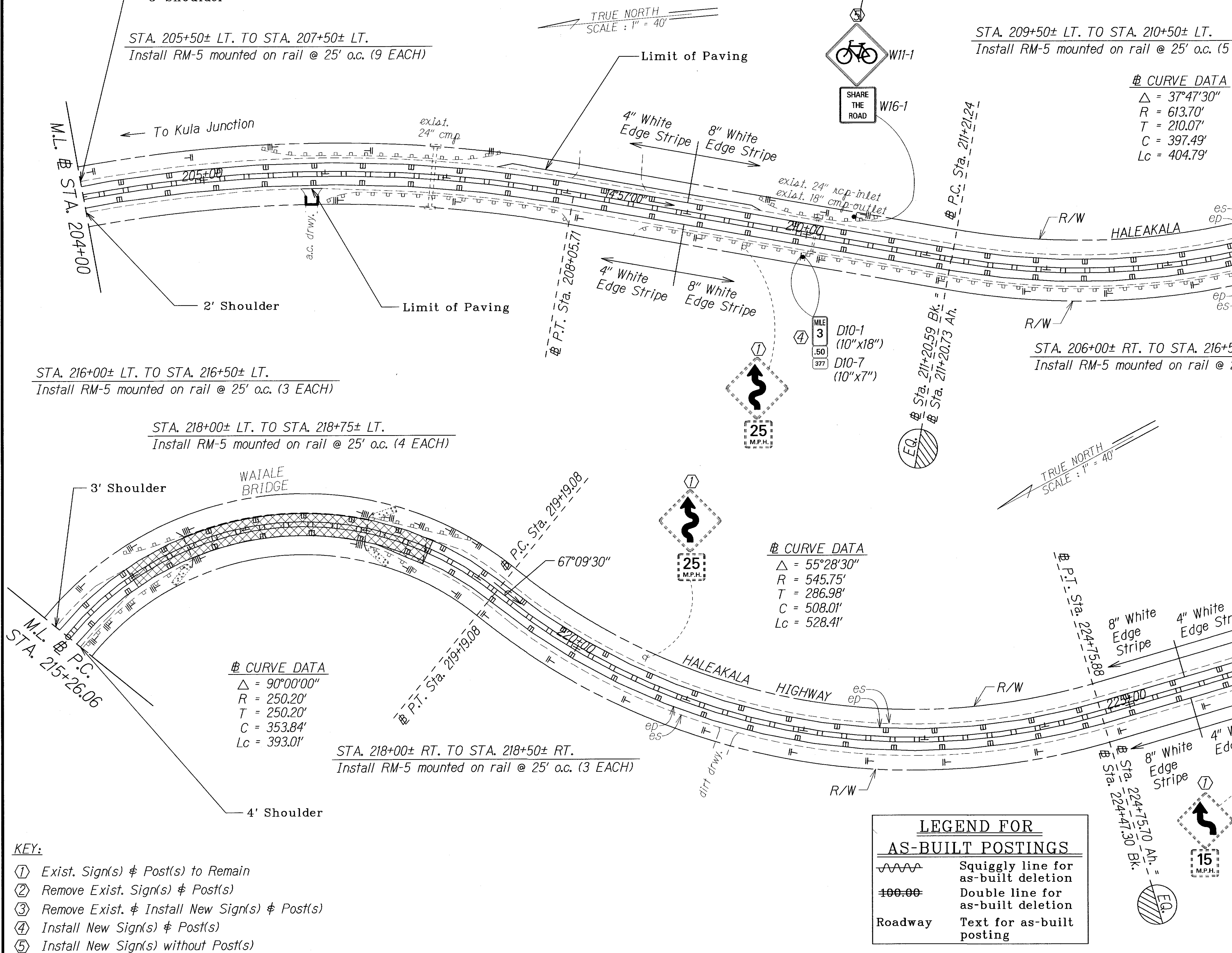
HALEAKALA HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE
Kula Junction to Haleakala Crater Road
Federal-Aid Project No. STP-0377(005)

Scale: 1" = 40' Date: October, 2010

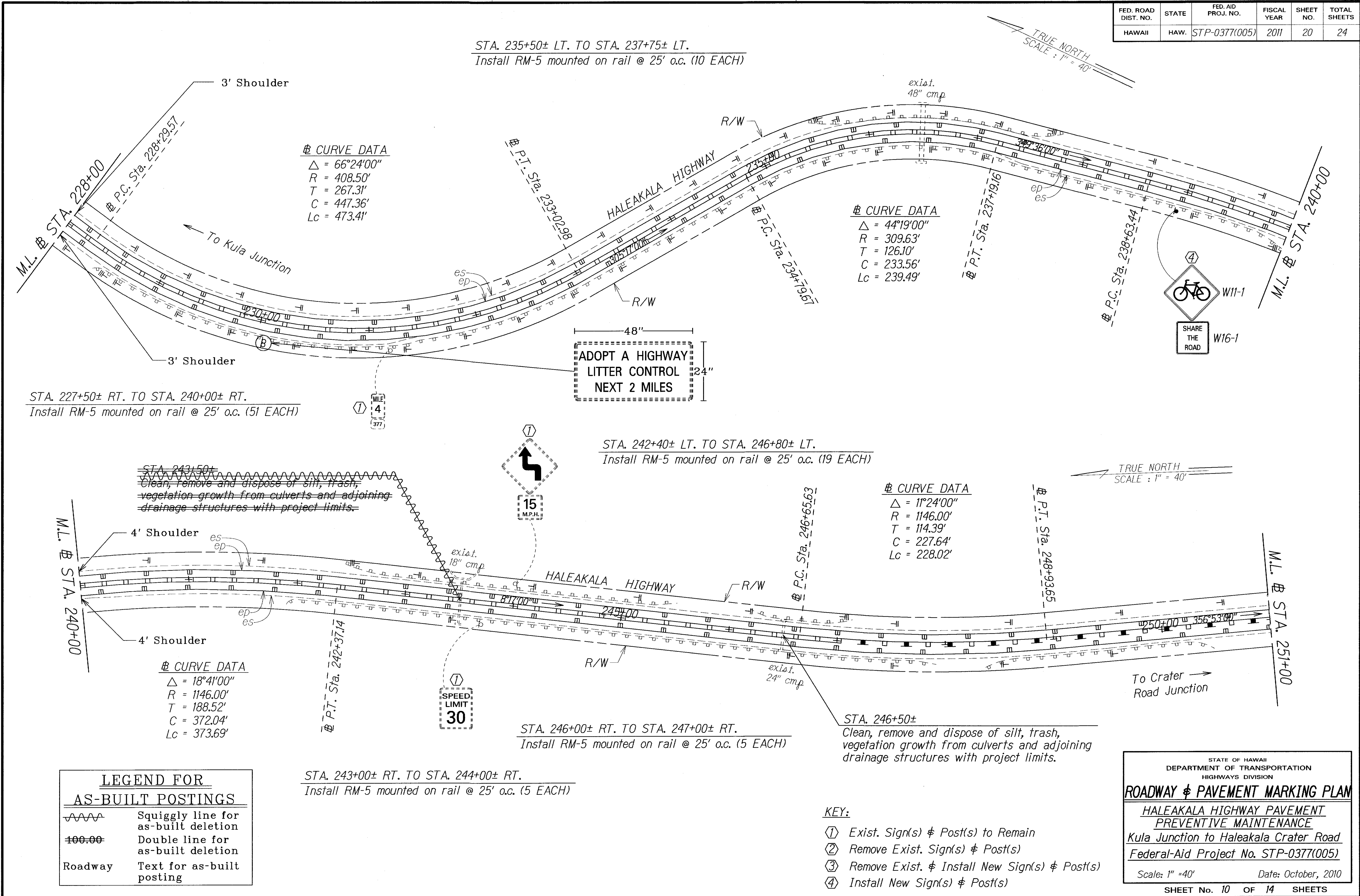
SHEET No. 8 OF 14 SHEETS

"AS-BUILT"

— 3' Shoulder



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	20	24



STA. 235+50± LT. TO STA. 237+75± LT.
Install RM-5 mounted on rail @ 25' o.c. (10 EACH)

STA. 227+50± RT. TO STA. 240+00± RT.
Install RM-5 mounted on rail @ 25' o.c. (51 EACH)

STA. 242+40± LT. TO STA. 246+80± LT.
Install RM-5 mounted on rail @ 25' o.c. (19 EACH)

STA. 246+00± RT. TO STA. 247+00± RT.
Install RM-5 mounted on rail @ 25' o.c. (5 EACH)

STA. 243+00± RT. TO STA. 244+00± RT.
Install RM-5 mounted on rail @ 25' o.c. (5 EACH)

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

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

HALEAKALA HIGHWAY PAVEMENT PREVENTIVE MAINTENANCE

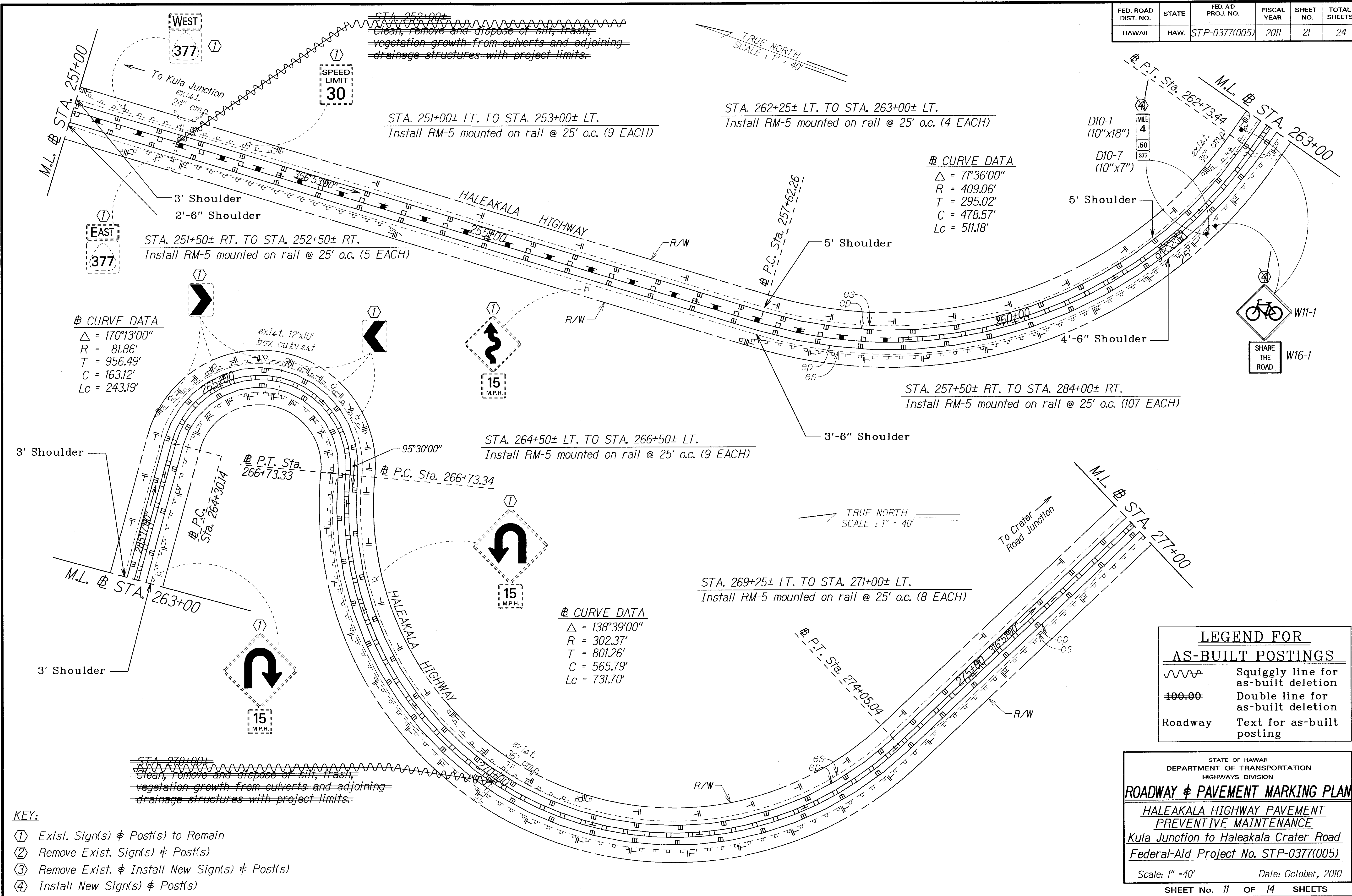
Kula Junction to Haleakala Crater Road
Federal-Aid Project No. STP-0377(005)

Scale: 1" = 40' Date: October, 2010

SHEET NO. 10 OF 14 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	21	24

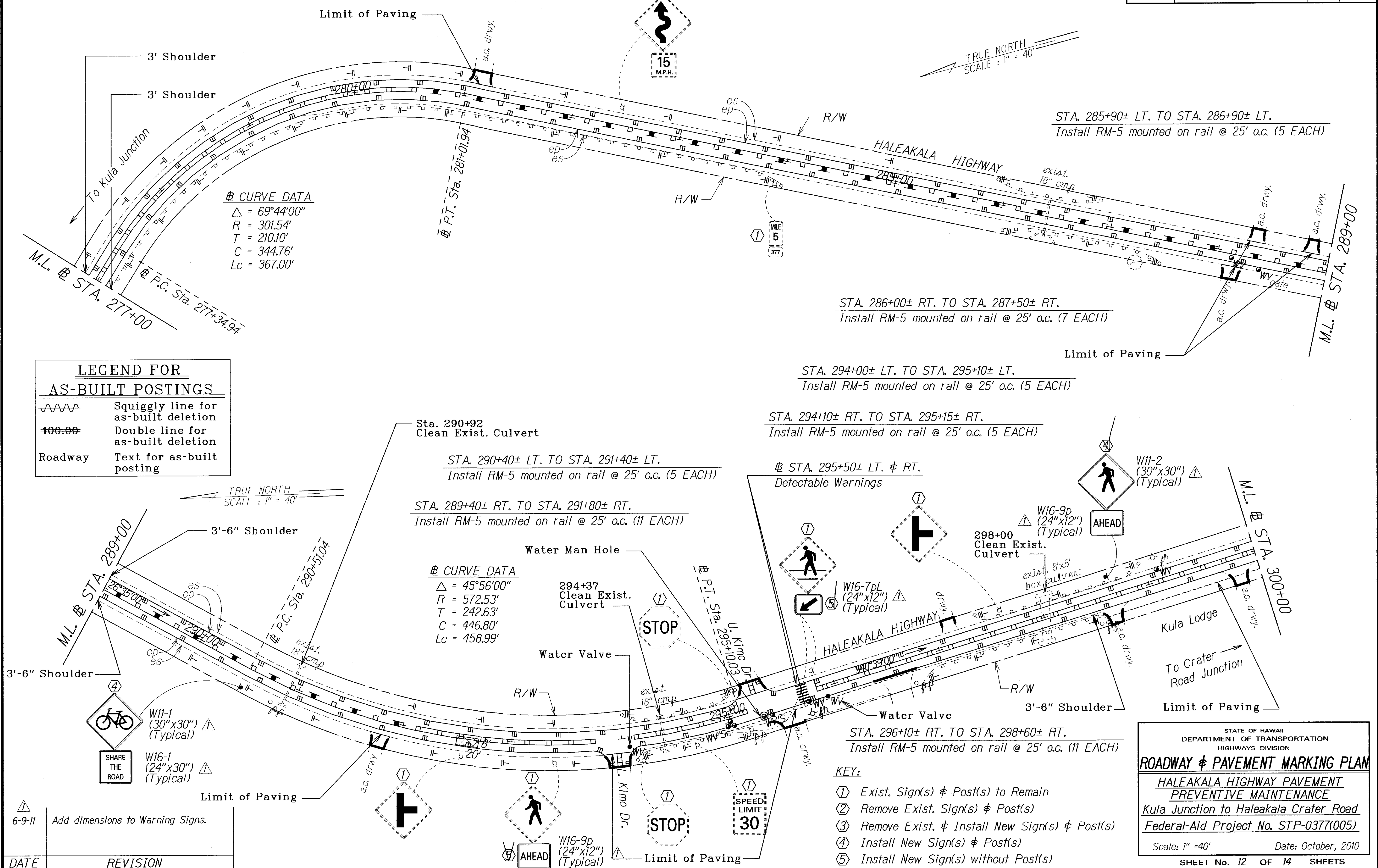


ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
DATE	

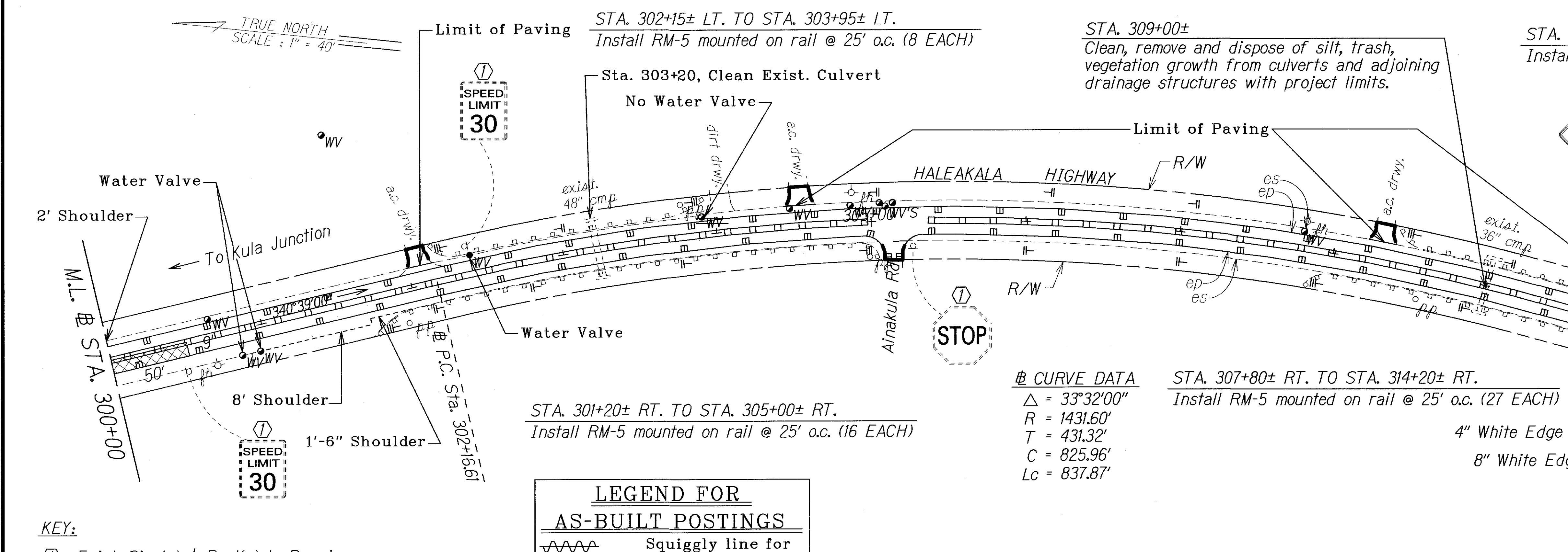
- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

"AS-BUILT"

1

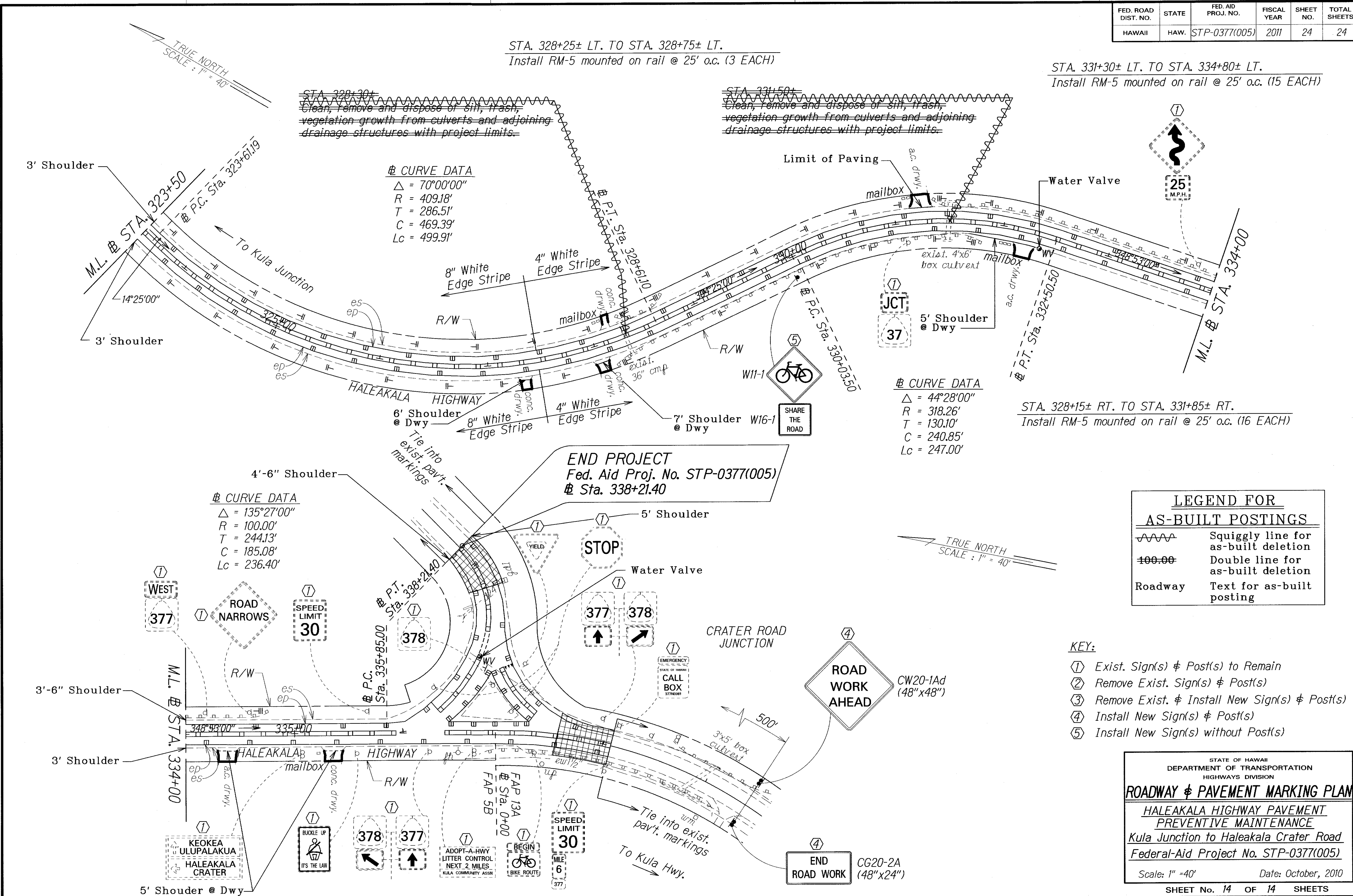


ADD. 22

[illegible]

-
- 23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(005)	2011	24	24



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

"AS-BUILT"