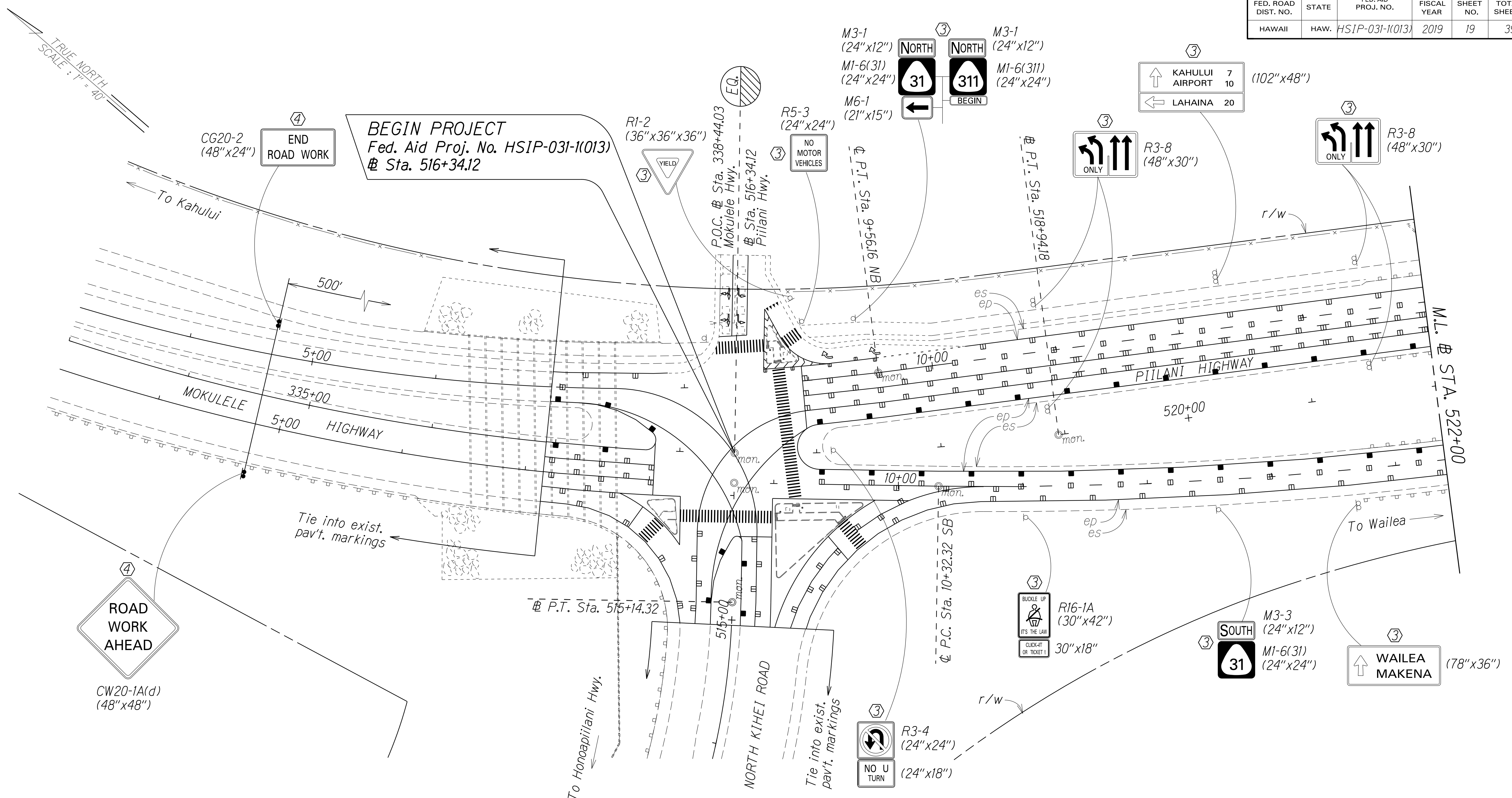


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	19	39



**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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)

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

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

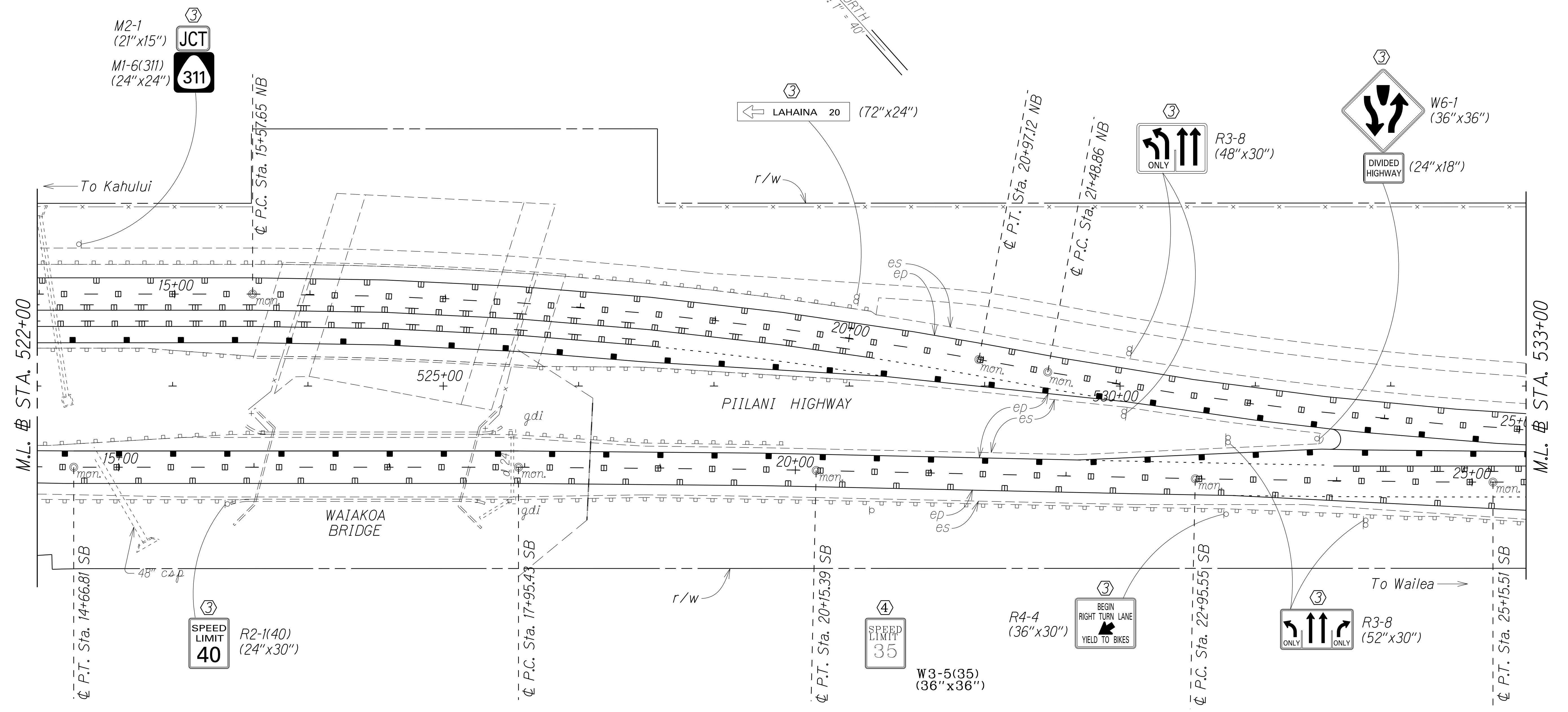
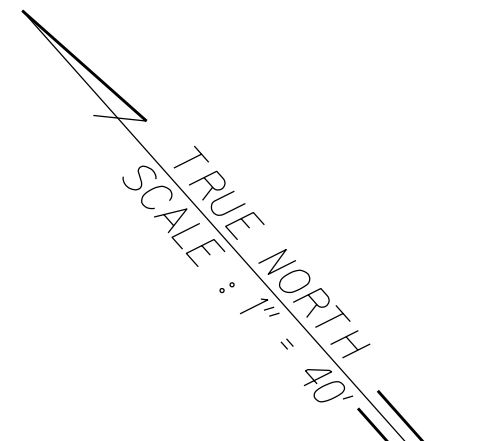
**ROADWAY & PAVEMENT MARKING PLAN**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40'      Date: March, 2018

SHEET No. 1 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	20	39



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
DATE	

**NOTE:**  
All white edge stripe shall be 6" wide instead of 4".  
See detail sheet 18.

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**

*PIILANI HIGHWAY SAFETY IMPROVEMENTS*  
North Kihei Road to the Vicinity of Wailea Ike Dr.  
Federal-Aid Project No. HSIP-031-1(013)

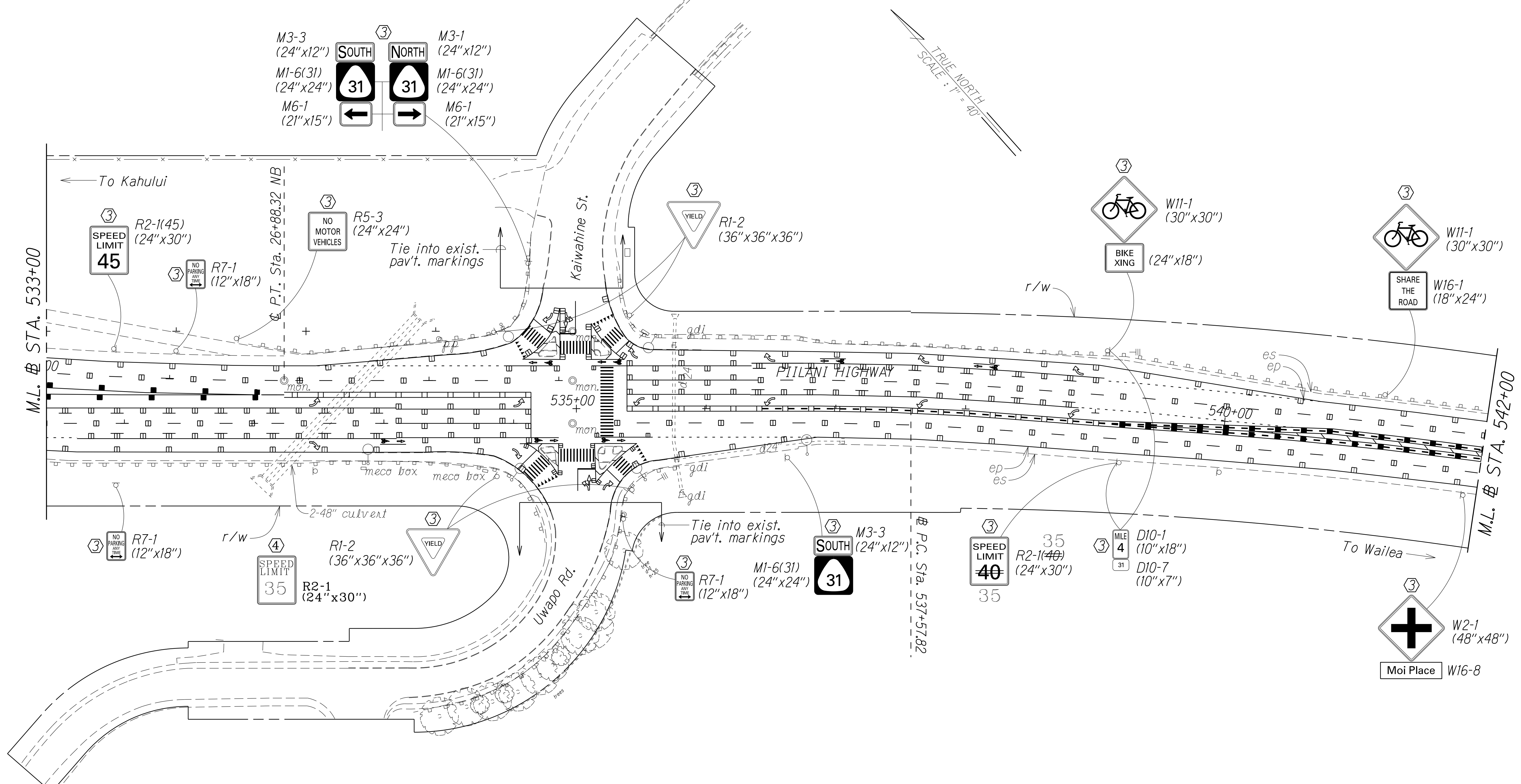
Scale: 1" = 40'      Date: March, 2018

SHEET No. 2 OF 20 SHEETS

"AS-BUILT"

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	21	39



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

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

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**

PIILANI HIGHWAY SAFETY IMPROVEMENTS  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

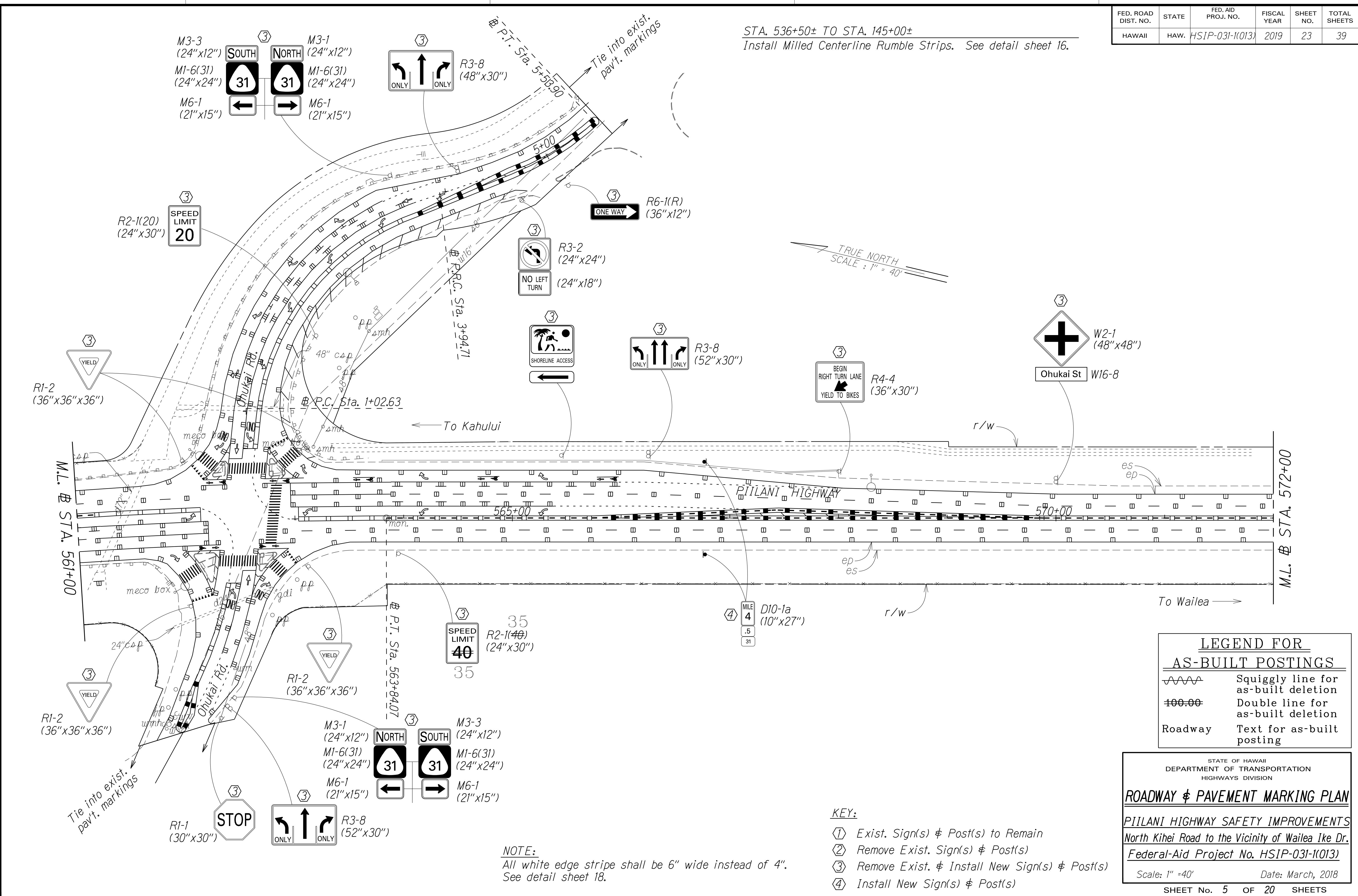
SHEET No. 3 OF 20 SHEETS

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	23	39

STA. 536+50± TO STA. 145+00±  
Install Milled Centerline Rumble Strips. See detail sheet 16.



DATE: \_\_\_\_\_  
 SURVEY PLOTTED BY: \_\_\_\_\_  
 ORIGINAL PLAN: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 TRACED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 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 & PAVEMENT MARKING PLAN**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

SHEET No. 5 OF 20 SHEETS

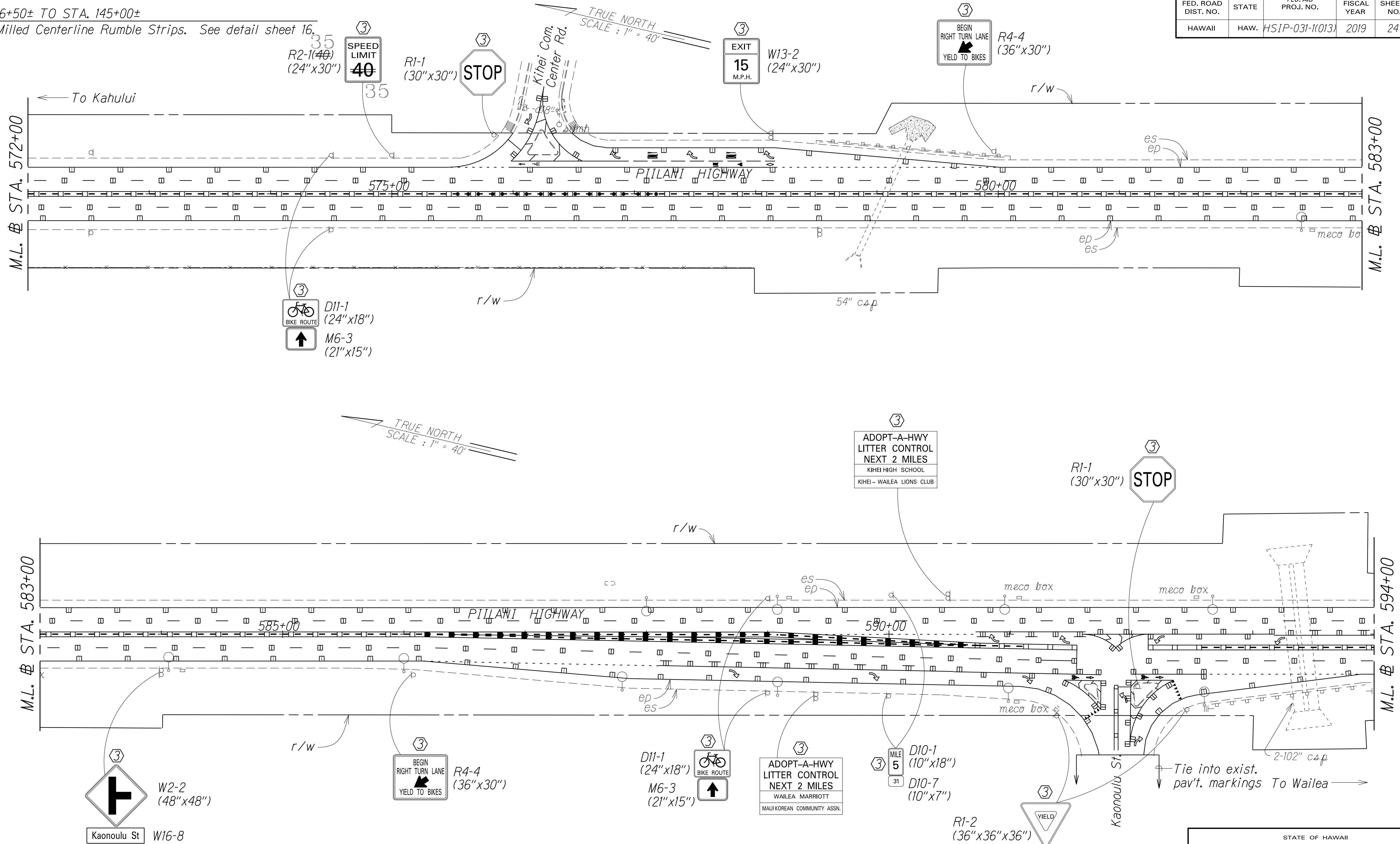
- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
  - ② Remove Exist. Sign(s) & Post(s)
  - ③ Remove Exist. & Install New Sign(s) & Post(s)
  - ④ Install New Sign(s) & Post(s)

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

"AS-BUILT"

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	24	39



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
NO.	

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

**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**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

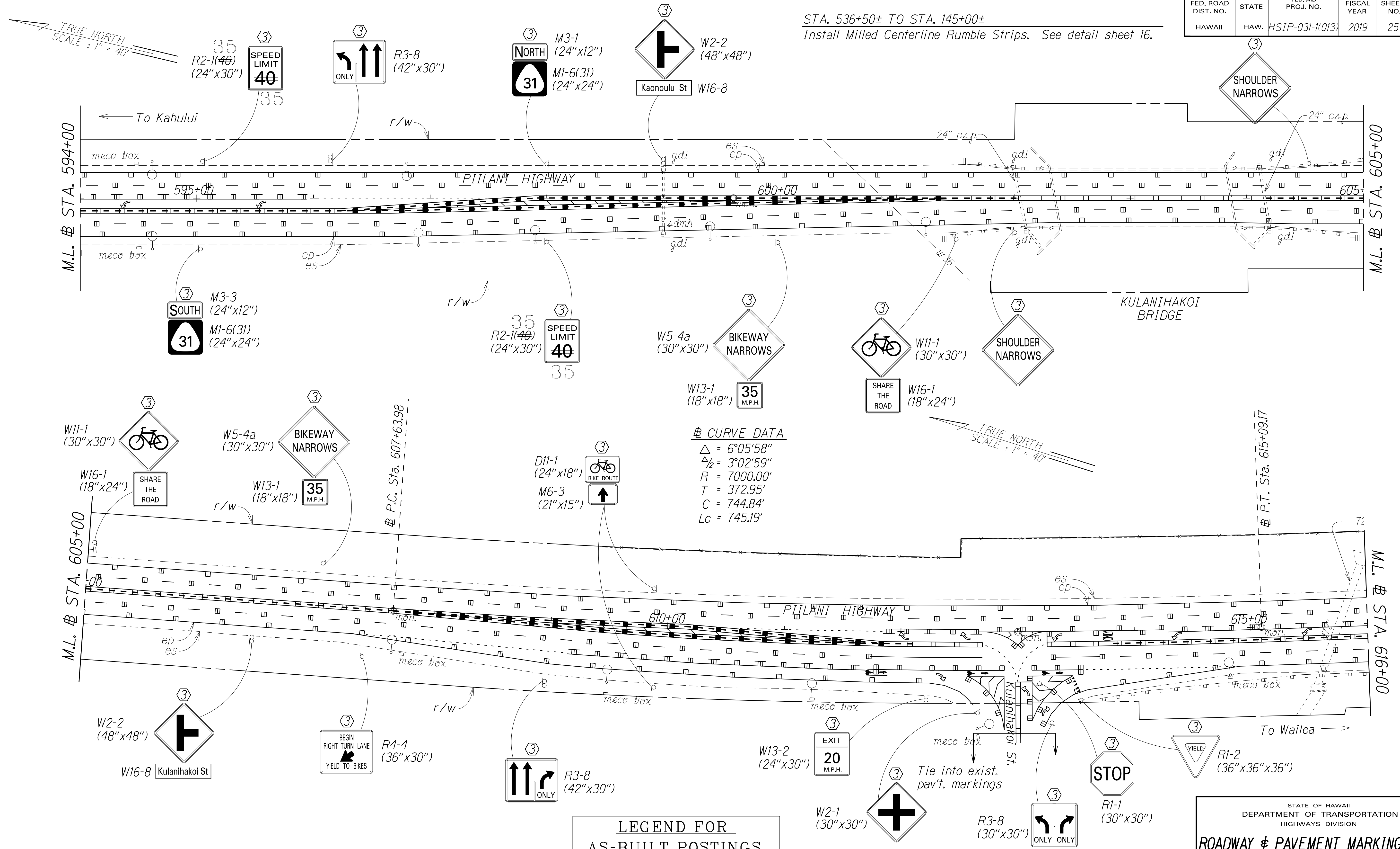
Scale: 1" = 40' Date: March, 2018

SHEET No. 6 OF 20 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	25	39

STA. 536+50± TO STA. 145+00±  
Install Milled Centerline Rumble Strips. See detail sheet 16.



**CURVE DATA**  
 $\Delta = 6^{\circ}05'58''$   
 $\Delta/2 = 3^{\circ}02'59''$   
 $R = 7000.00'$   
 $T = 372.95'$   
 $C = 744.84'$   
 $Lc = 745.19'$

**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)

**NOTE:**  
All white edge stripe shall be 6" wide instead of 4".  
See detail sheet 18.

SURVEY PLOTTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 TRACED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY & PAVEMENT MARKING PLAN**

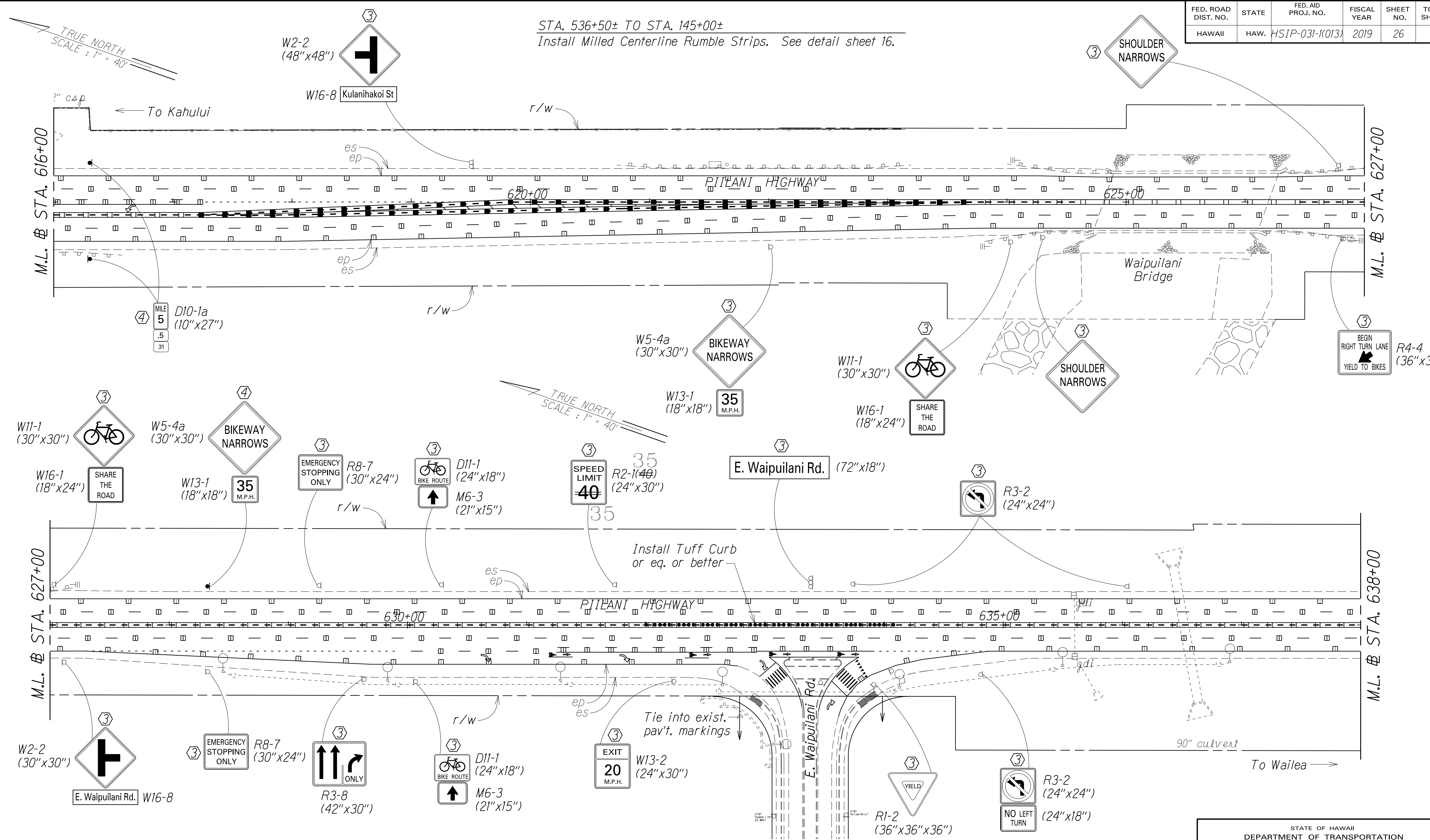
**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
North Kihei Road to the Vicinity of Wailea Ike Dr.  
Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40'      Date: March, 2018

SHEET No. 7 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	26	39

STA. 536+50± TO STA. 145+00±  
Install Milled Centerline Rumble Strips. See detail sheet 16.



**NOTE:**  
All white edge stripe shall be 6" wide instead of 4".  
See detail sheet 18.

**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**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
North Kihei Road to the Vicinity of Wailea Ike Dr.  
Federal-Aid Project No. HSIP-031-1(013)

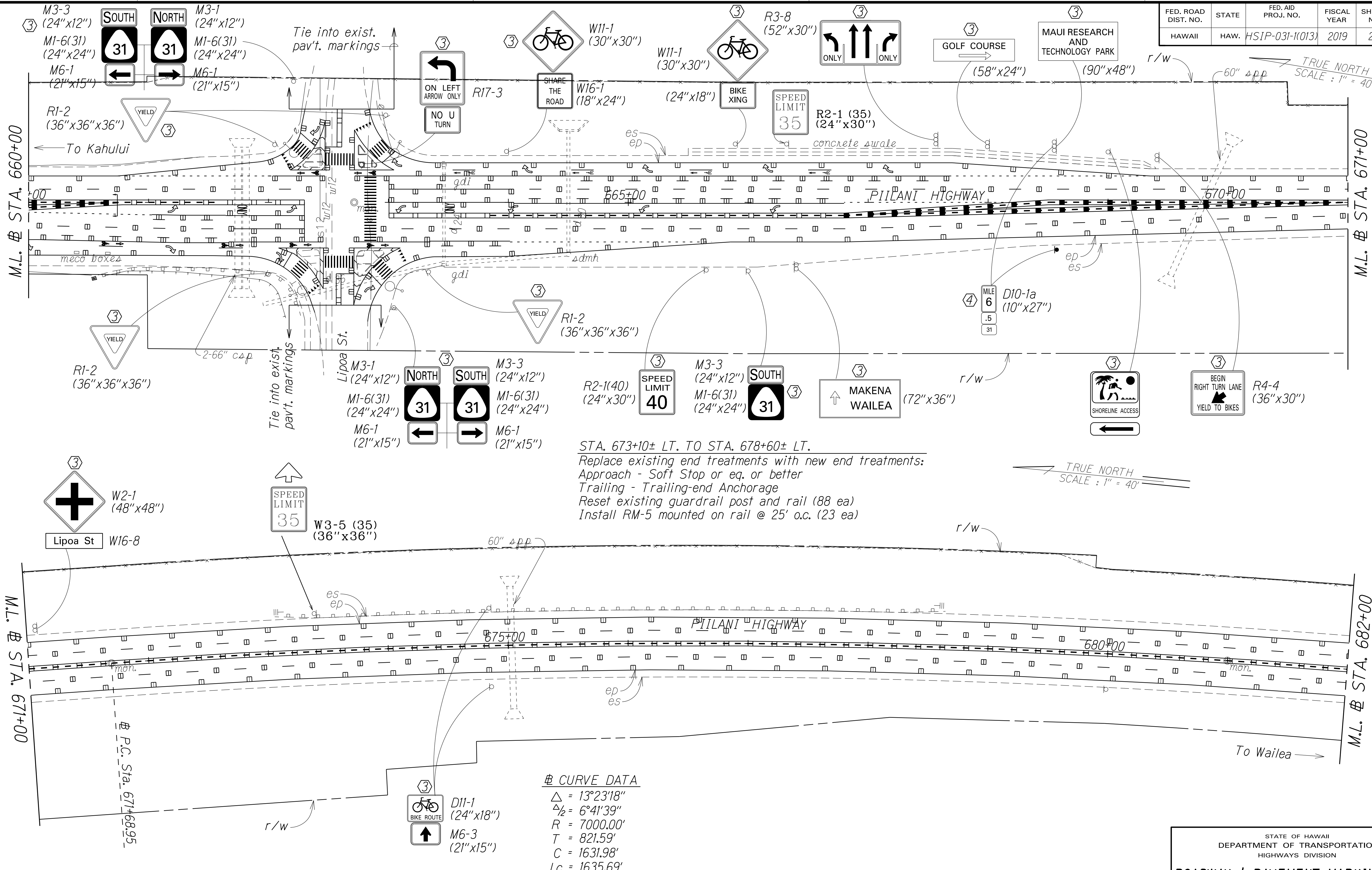
Scale: 1" = 40'      Date: March, 2018

SHEET No. 8 OF 20 SHEETS

SURVEY PLOTTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 TRACED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	28	39



STA. 673+10± LT. TO STA. 678+60± LT.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Reset existing guardrail post and rail (88 ea)  
 Install RM-5 mounted on rail @ 25' o.c. (23 ea)

**⊕ CURVE DATA**

Δ	= 13°23'18"
Δ <sub>2</sub>	= 6°41'39"
R	= 7000.00'
T	= 821.59'
C	= 1631.98'
Lc	= 1635.69'

**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)

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY & PAVEMENT MARKING PLAN**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

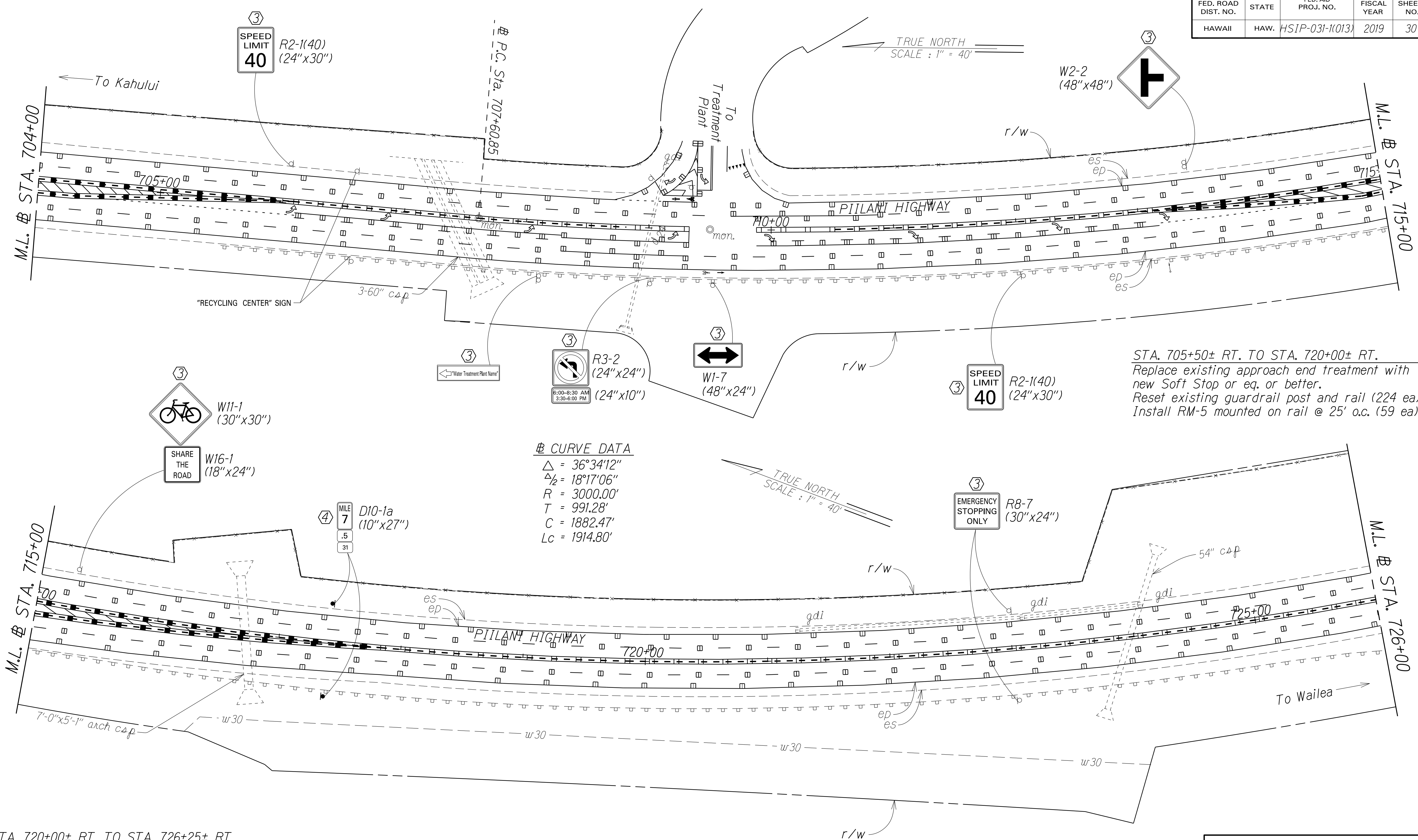
Scale: 1" = 40'      Date: March, 2018

SHEET No. 10 OF 20 SHEETS

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	30	39



**CURVE DATA**  
 $\Delta = 36^{\circ}34'12''$   
 $\Delta/2 = 18^{\circ}17'06''$   
 $R = 3000.00'$   
 $T = 991.28'$   
 $C = 1882.47'$   
 $Lc = 1914.80'$

STA. 705+50± RT. TO STA. 720+00± RT.  
 Replace existing approach end treatment with new Soft Stop or eq. or better.  
 Reset existing guardrail post and rail (224 ea)  
 Install RM-5 mounted on rail @ 25' o.c. (59 ea)

STA. 720+00± RT. TO STA. 726+25± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing trailing end treatment with new Trailing-end Anchorage.  
 Install RM-5 mounted on rail @ 25' o.c. (25 ea)

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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**

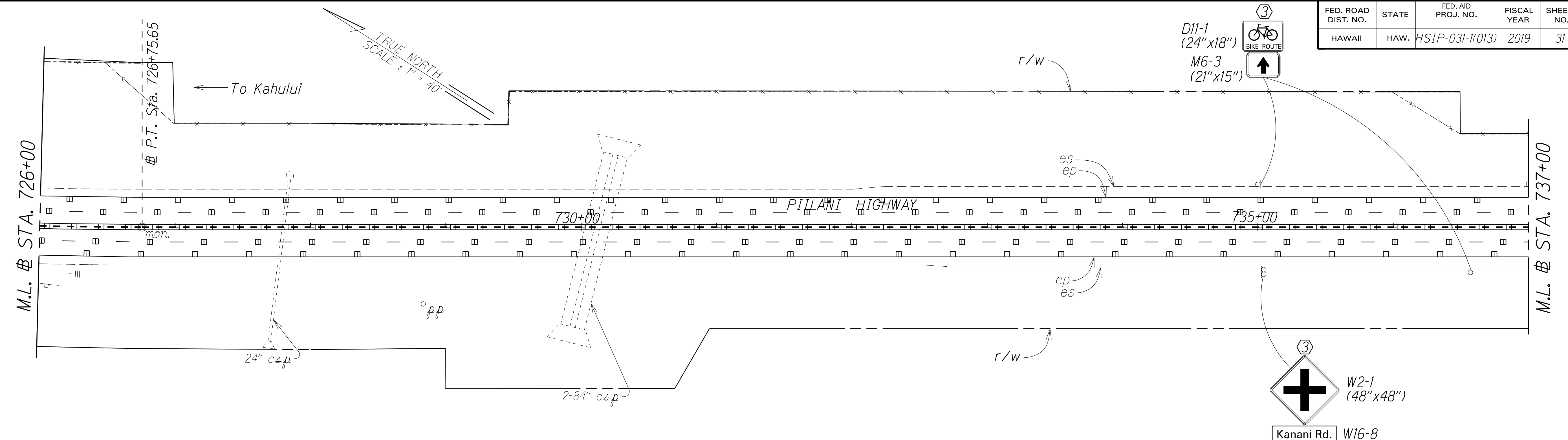
PIILANI HIGHWAY SAFETY IMPROVEMENTS  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

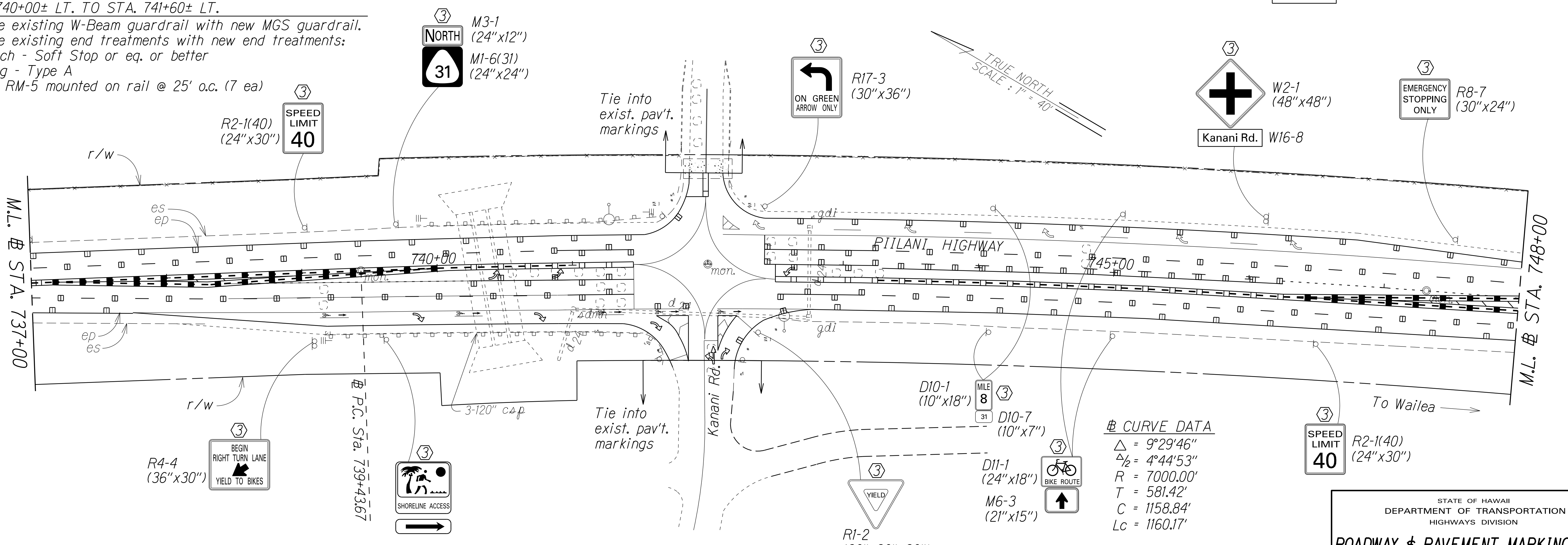
SHEET No. 12 OF 20 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	31	39



STA. 740+00± LT. TO STA. 741+60± LT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Type A  
 Install RM-5 mounted on rail @ 25' o.c. (7 ea)



⊘ CURVE DATA

Δ	= 9°29'46"
Δ/2	= 4°44'53"
R	= 7000.00'
T	= 581.42'
C	= 1158.84'
Lc	= 1160.17'

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

STA. 739+25± RT. TO STA. 741+75± RT.  
 Replace existing trailing end treatment with new Trailing-end Anchorage  
 Reset existing guardrail post and rail (28 ea)  
 Install RM-5 mounted on rail @ 25' o.c. (11 ea)

NOTE:  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

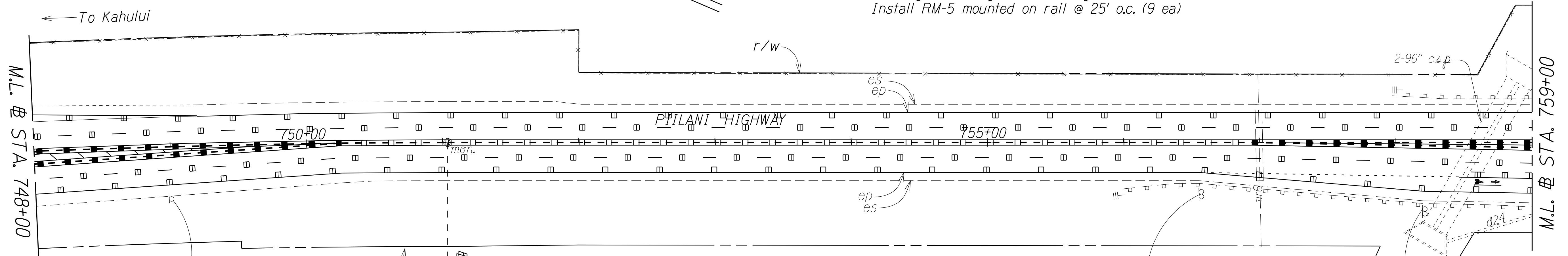
Scale: 1" = 40'      Date: March, 2018

SHEET No. 13 OF 20 SHEETS

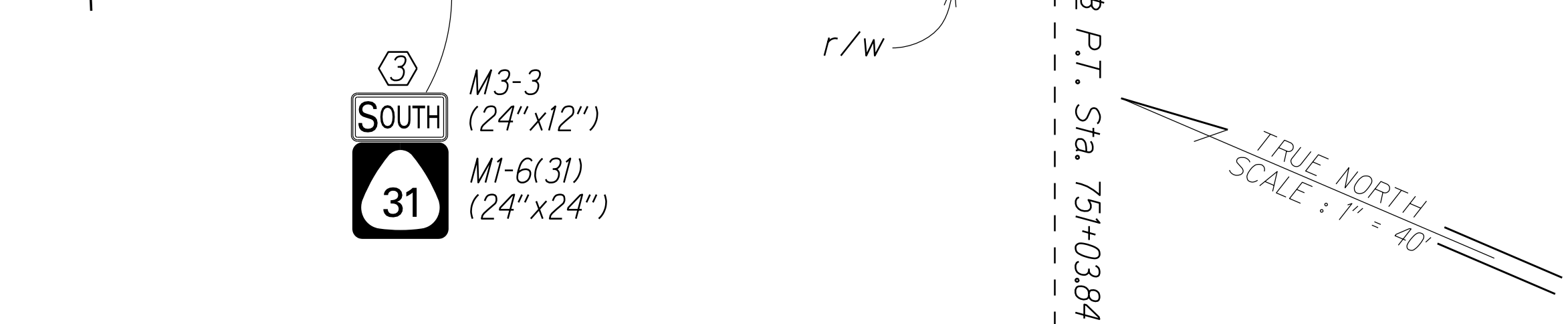
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	32	39

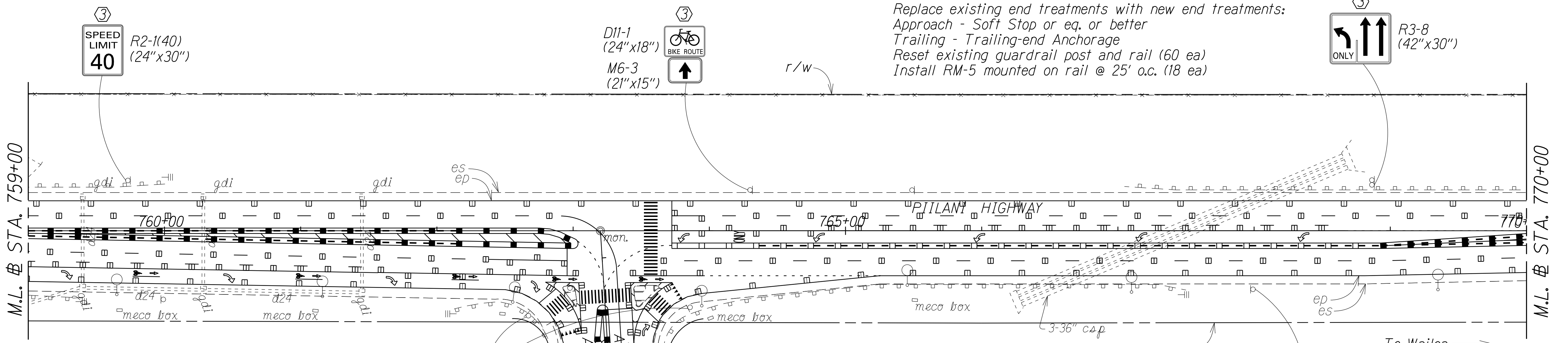
STA. 758+00± LT. TO STA. 760+00± LT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (9 ea)



STA. 756+00± RT. TO STA. 759+50± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (14 ea)



STA. 767+00± LT. TO STA. 771+50± LT.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Reset existing guardrail post and rail (60 ea)  
 Install RM-5 mounted on rail @ 25' o.c. (18 ea)



STA. 763+75± RT. TO STA. 767+50± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing trailing end treatment with new Trailing-end Anchorage.  
 Install RM-5 mounted on rail @ 25' o.c. (15 ea)

STA. 762+00± RT. TO STA. 762+75± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing approach end treatments with new Soft Stop or eq. or better.  
 Install RM-5 mounted on rail @ 25' o.c. (4 ea)

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

NOTE:  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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)

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

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

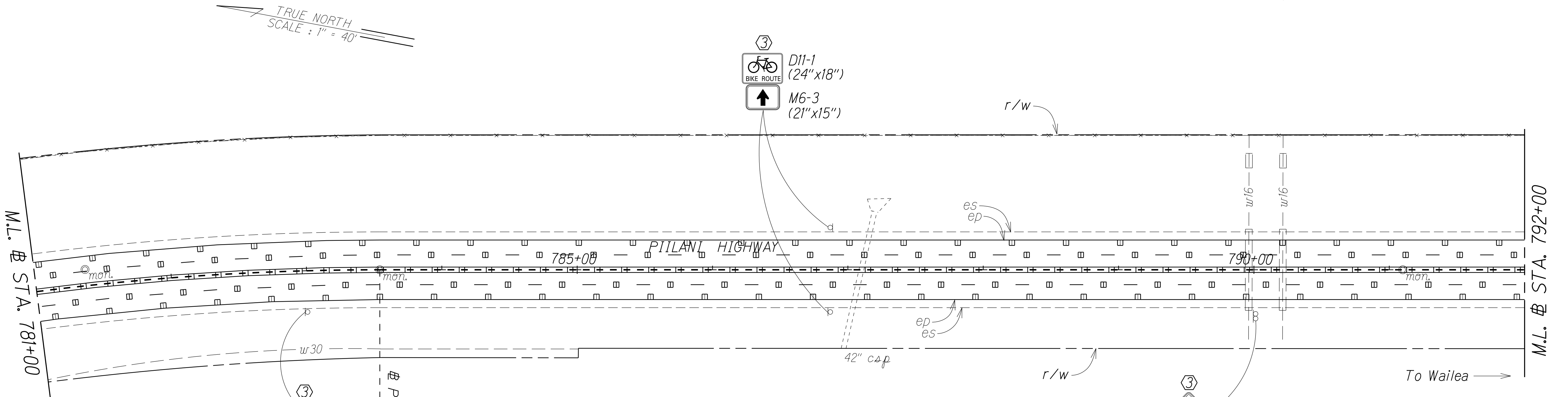
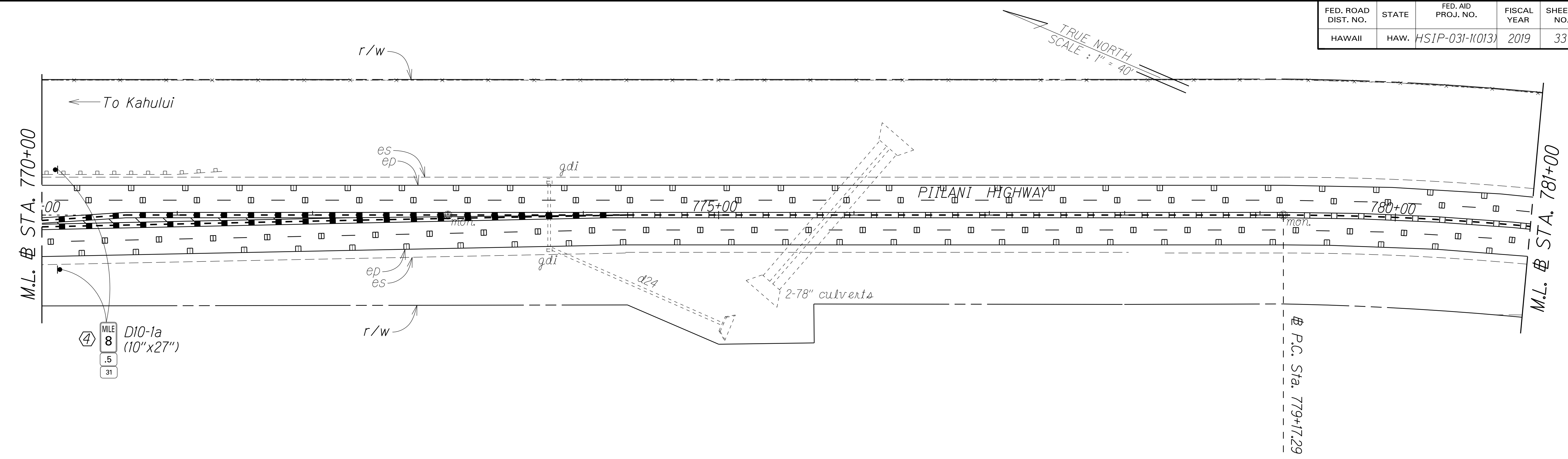
**ROADWAY & PAVEMENT MARKING PLAN**

PIILANI HIGHWAY SAFETY IMPROVEMENTS  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

SHEET No. 14 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	33	39



**Δ CURVE DATA**  
 $\Delta = 12^{\circ}30'59''$   
 $\Delta/2 = 6^{\circ}15'30''$   
 $R = 2000.00'$   
 $T = 219.33'$   
 $C = 436.04'$   
 $Lc = 436.90'$

**R2-1(40)**  
 (24" x 30")

**SPEED LIMIT 40**

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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**

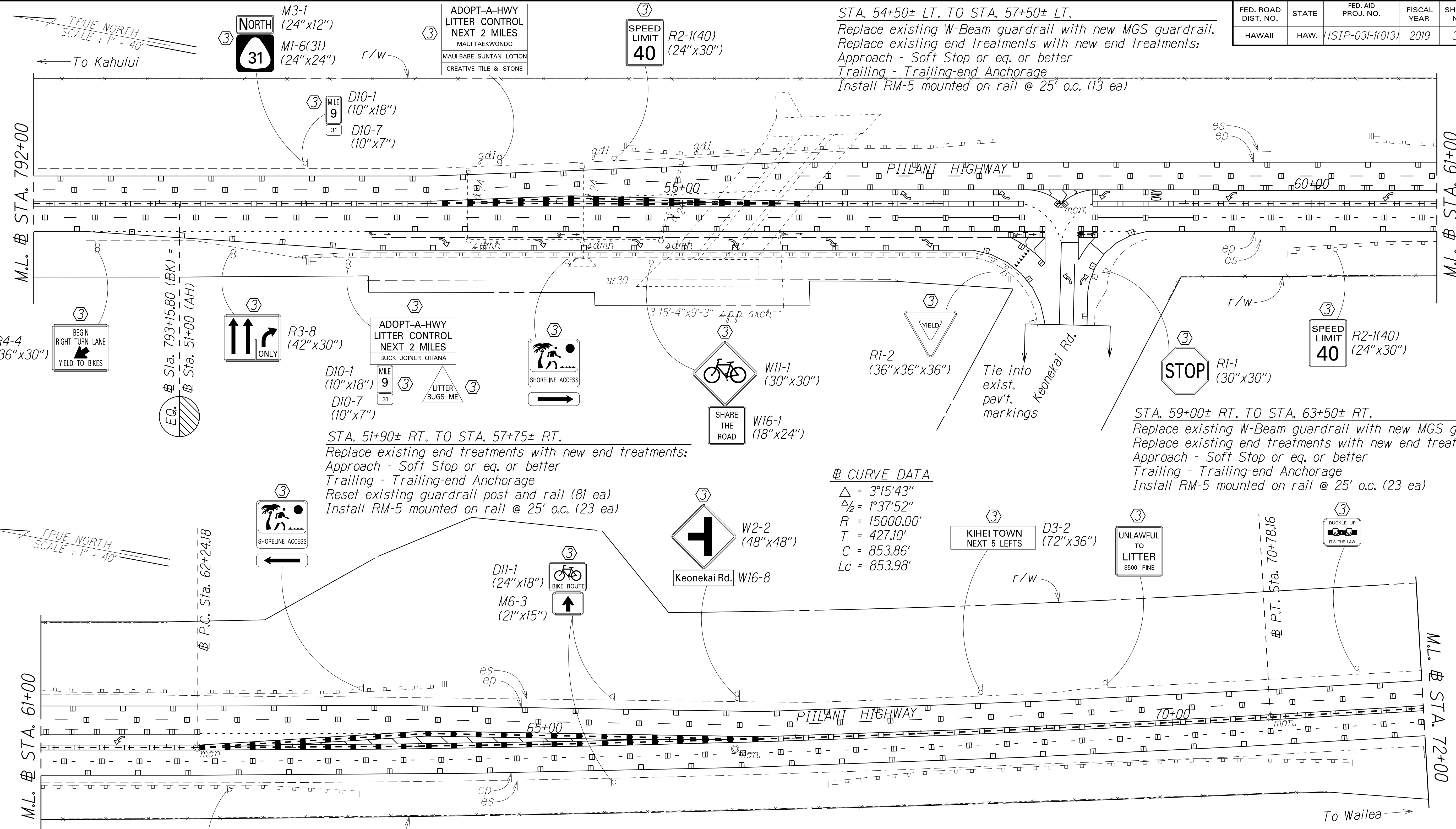
**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

SHEET No. 15 OF 20 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	34	39



STA. 60+50± LT. TO STA. 64+25± LT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (16 ea)

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.  
**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

STA. 67+25± RT. TO STA. 71+50± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (18 ea)

STA. 59+00± RT. TO STA. 63+50± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (23 ea)

STA. 54+50± LT. TO STA. 57+50± LT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (13 ea)

STA. 51+90± RT. TO STA. 57+75± RT.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Reset existing guardrail post and rail (81 ea)  
 Install RM-5 mounted on rail @ 25' o.c. (23 ea)

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY & PAVEMENT MARKING PLAN**

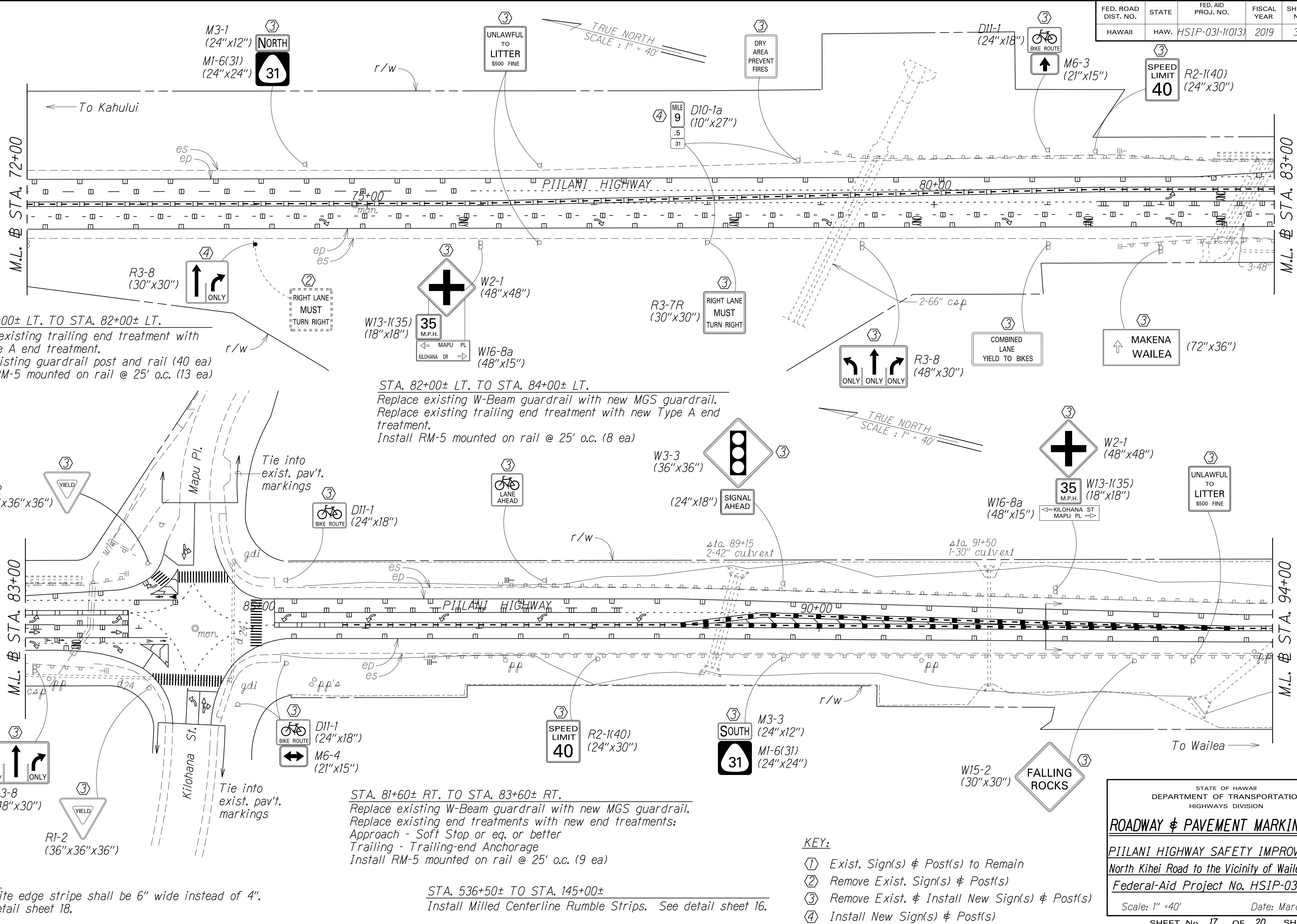
**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

SHEET No. 16 OF 20 SHEETS

- 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)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	35	39



STA. 79+00± LT. TO STA. 82+00± LT.  
 Replace existing trailing end treatment with new Type A end treatment.  
 Reset existing guardrail post and rail (40 ea)  
 Install RM-5 mounted on rail @ 25' o.c. (13 ea)

STA. 82+00± LT. TO STA. 84+00± LT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing trailing end treatment with new Type A end treatment.  
 Install RM-5 mounted on rail @ 25' o.c. (8 ea)

STA. 81+60± RT. TO STA. 83+60± RT.  
 Replace existing W-Beam guardrail with new MGS guardrail.  
 Replace existing end treatments with new end treatments:  
 Approach - Soft Stop or eq. or better  
 Trailing - Trailing-end Anchorage  
 Install RM-5 mounted on rail @ 25' o.c. (9 ea)

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

**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
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

- 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**

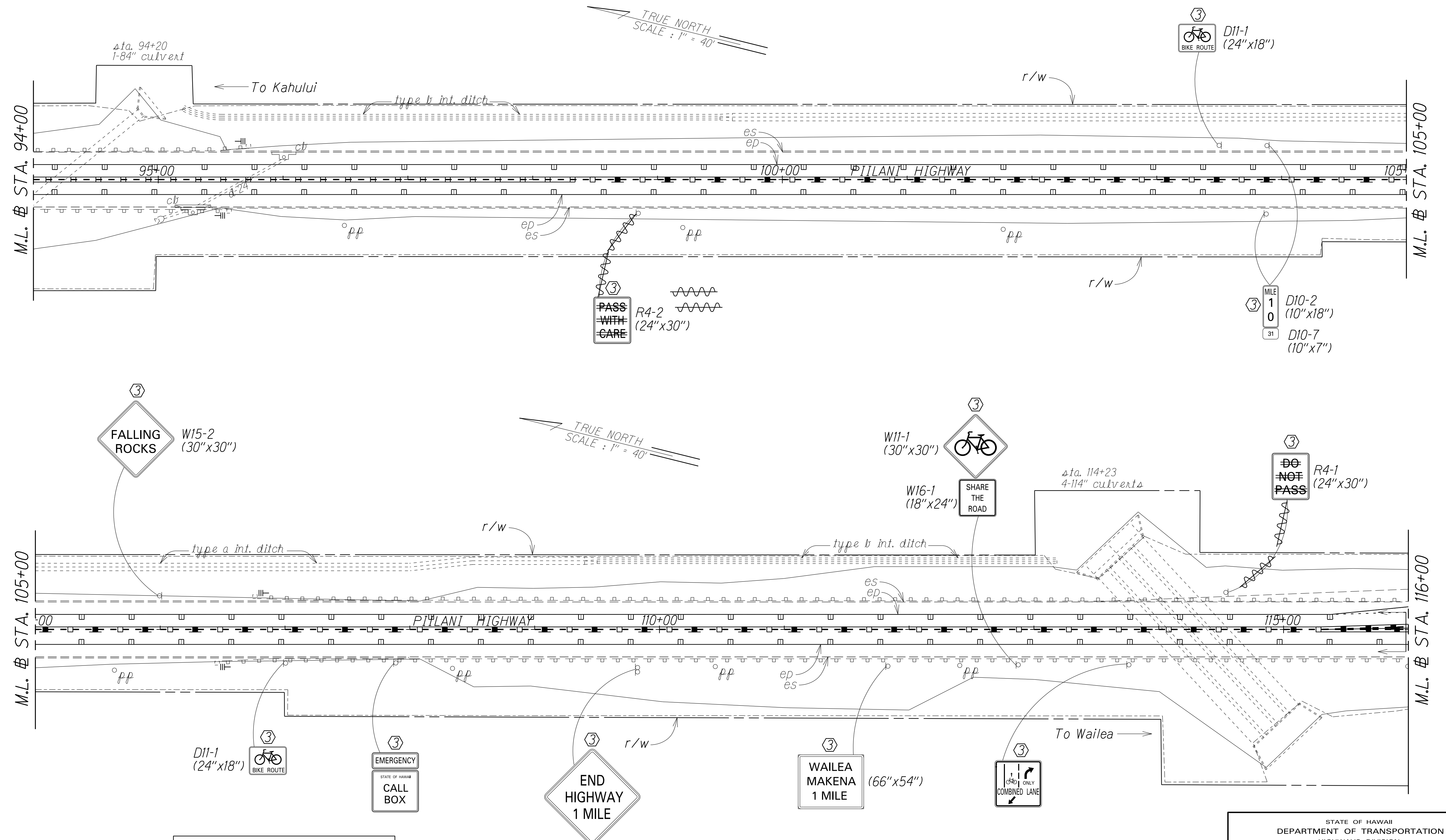
**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

SHEET No. 17 OF 20 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	36	39



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

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

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

NOTE:  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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**

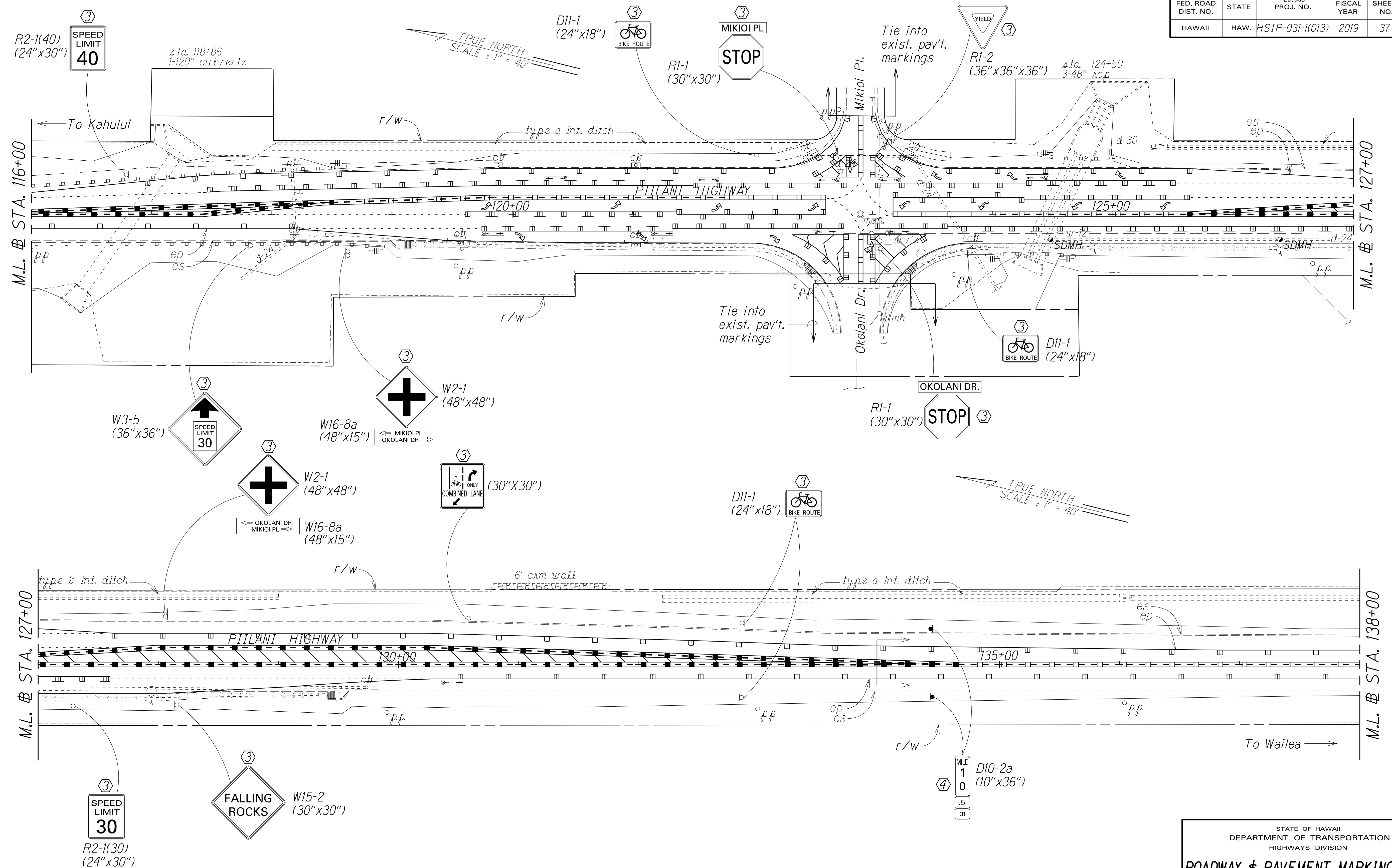
**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40' Date: March, 2018

SHEET No. 18 OF 20 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	37	39



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

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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**

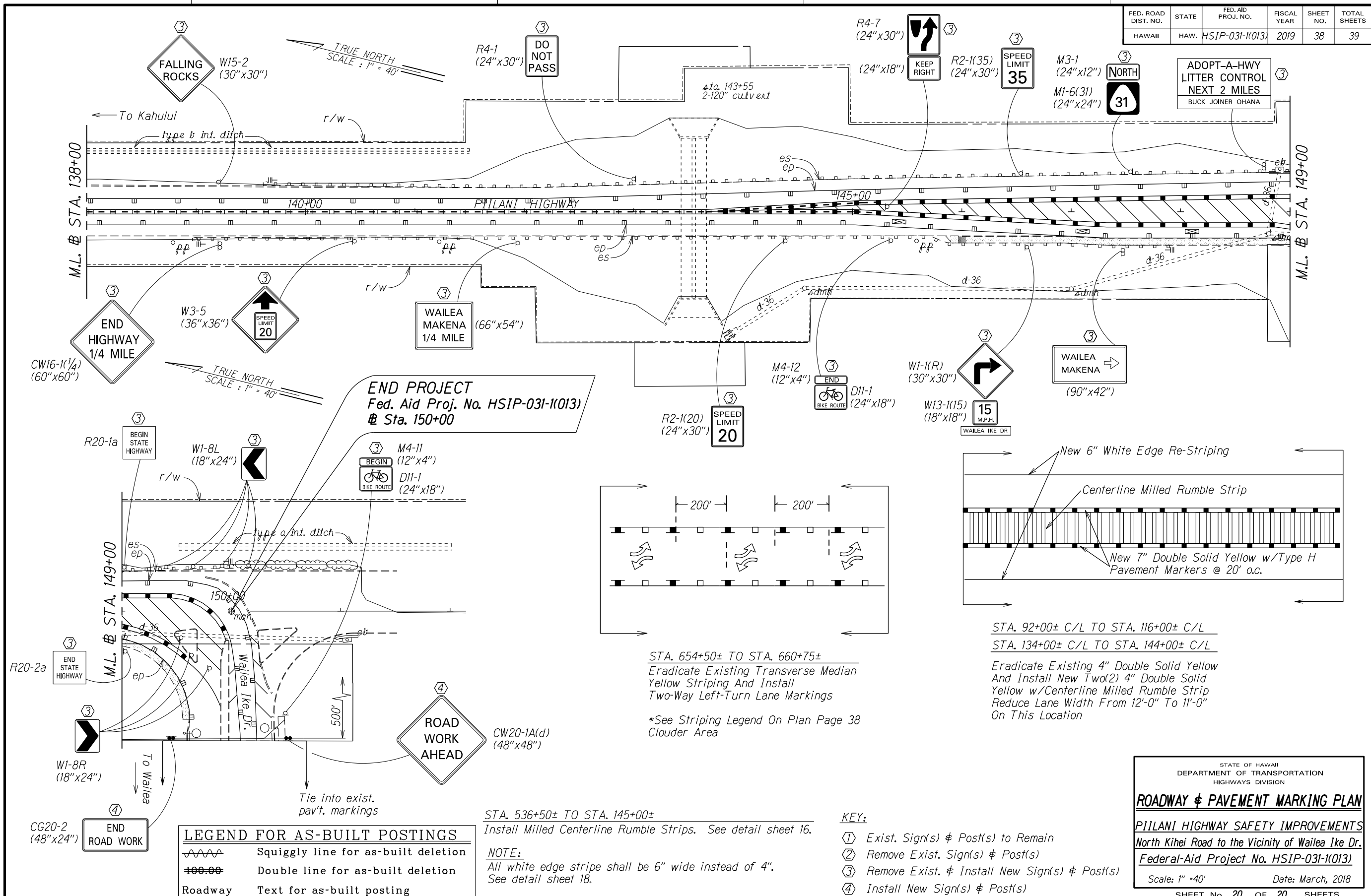
*PIILANI HIGHWAY SAFETY IMPROVEMENTS*  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40'      Date: March, 2018

SHEET No. 19 OF 20 SHEETS

SURVEY PLOTTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 TRACED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 ORIGINAL PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 No. \_\_\_\_\_

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2019	38	39



**END PROJECT**  
 Fed. Aid Proj. No. HSIP-031-1(013)  
 @ Sta. 150+00

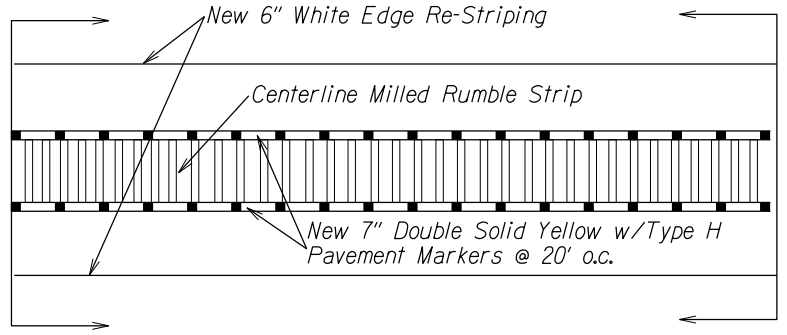
**LEGEND FOR AS-BUILT POSTINGS**

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

STA. 536+50± TO STA. 145+00±  
 Install Milled Centerline Rumble Strips. See detail sheet 16.

**NOTE:**  
 All white edge stripe shall be 6" wide instead of 4".  
 See detail sheet 18.

- 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)



STA. 92+00± C/L TO STA. 116+00± C/L  
 STA. 134+00± C/L TO STA. 144+00± C/L  
 Eradicate Existing 4" Double Solid Yellow  
 And Install New Two(2) 4" Double Solid  
 Yellow w/Centerline Milled Rumble Strip  
 Reduce Lane Width From 12'-0" To 11'-0"  
 On This Location

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

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY & PAVEMENT MARKING PLAN**

**PIILANI HIGHWAY SAFETY IMPROVEMENTS**  
 North Kihei Road to the Vicinity of Wailea Ike Dr.  
 Federal-Aid Project No. HSIP-031-1(013)

Scale: 1" = 40'      Date: March, 2018

SHEET No. 20 OF 20 SHEETS

"AS-BUILT"