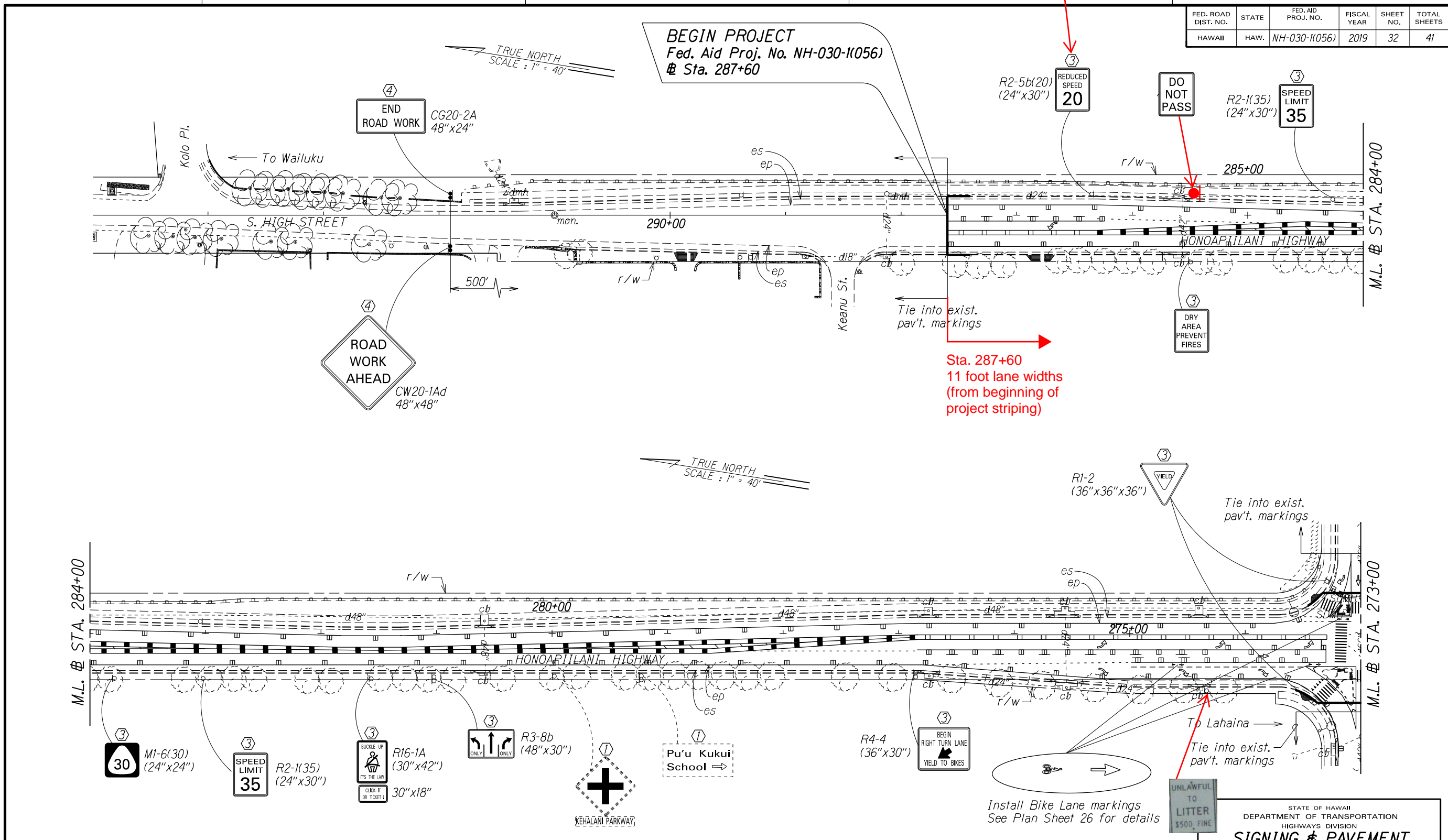


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	32	41

Revise to be W3-5,  
(36"X36")



BEGIN PROJECT  
Fed. Aid Proj. No. NH-030-1(056)  
# Sta. 287+60

Sta. 287+60  
11 foot lane widths  
(from beginning of  
project striping)

- 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 Drawings

*Earnie JK Miller*

Signature \_\_\_\_\_

- All edge striping shall be 6 inch white thermoplastic rather than 4 inch.
- Autoscope Cameras(4) Installed on Mast Arms at Honoapiilani Hwy and Kehalani Parkway Intersection.
- Mast Arm Street Signs installed, Two (2) Honoapiilani Hwy and Two (2) Kehalani Parkway.

SURVEY PLOTTED BY	DATE	ZJB
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

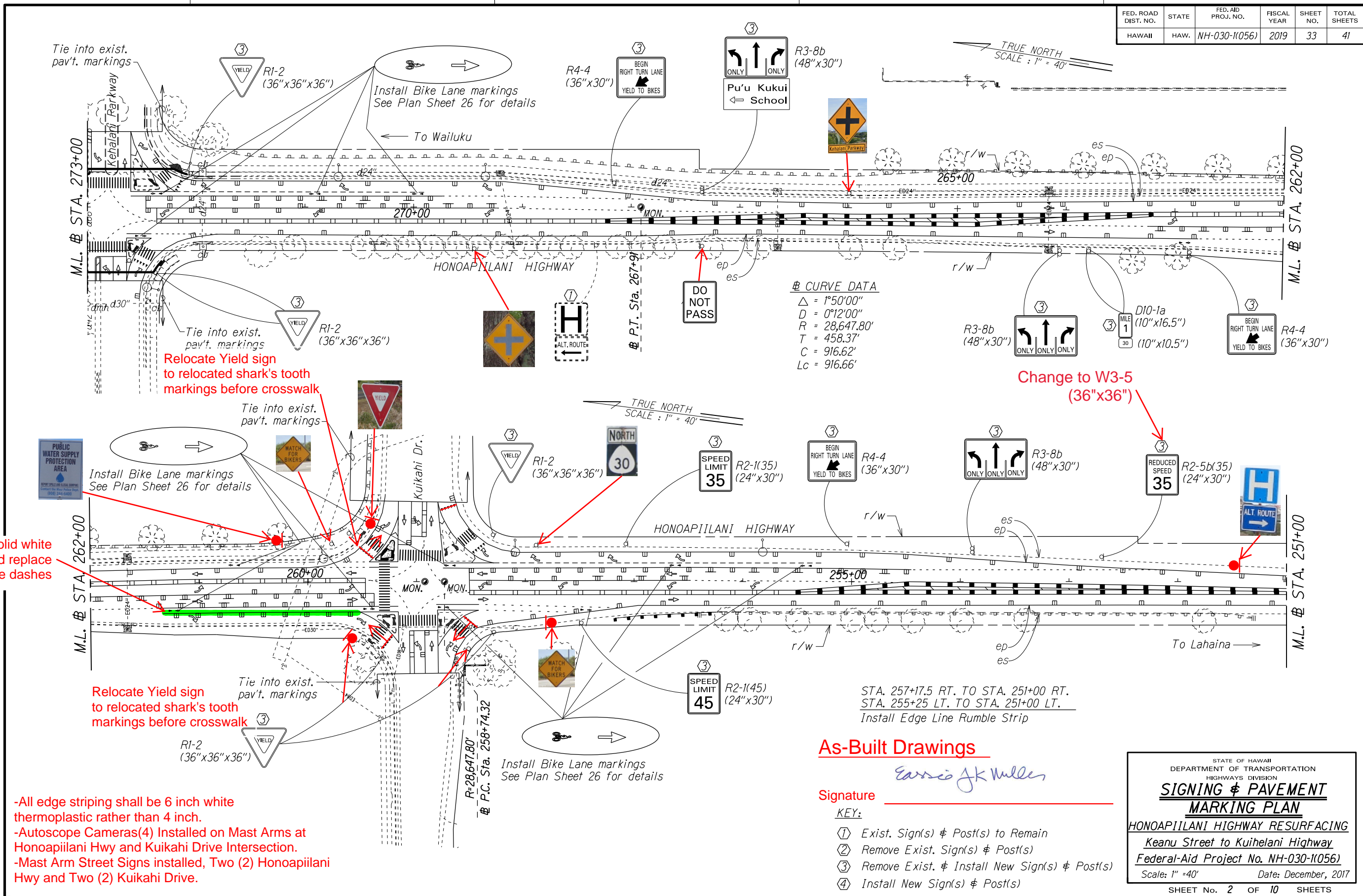
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**

HONOAPIILANI HIGHWAY RESURFACING  
Keanu Street to Kuihelani Highway  
Federal-Aid Project No. NH-030-1(056)  
Scale: 1" = 40' Date: December, 2017

SHEET No. 1 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	33	41



**As-Built Drawings**

*Eusebio Jk Miller*

Signature

KEY:

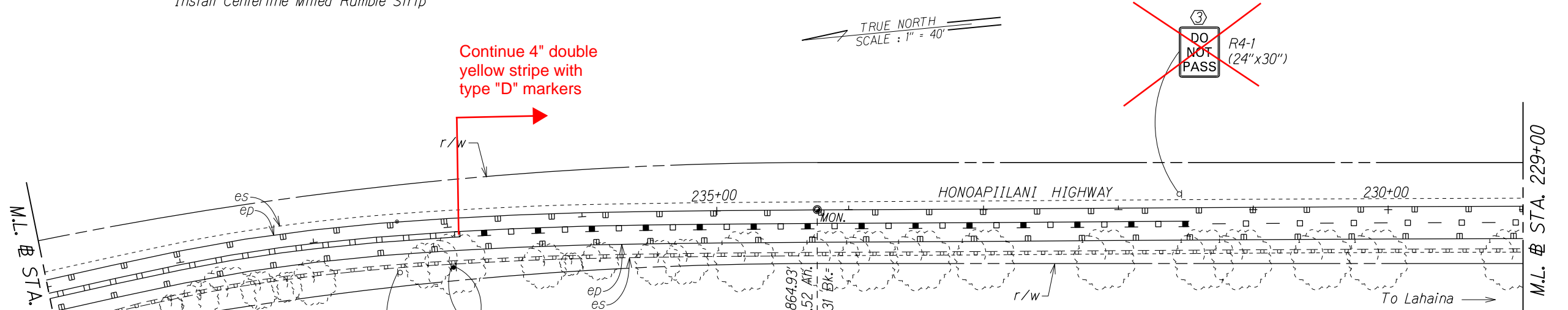
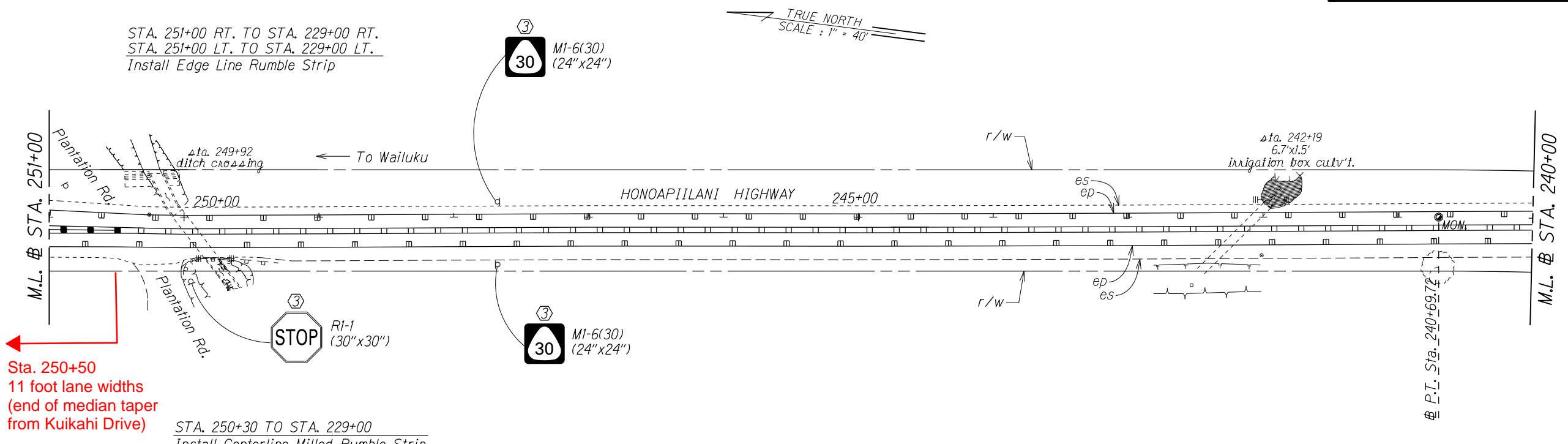
- ① Exist. Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
 HONOAPIILANI HIGHWAY RESURFACING  
 Keanu Street to Kuikelani Highway  
 Federal-Aid Project No. NH-030-1(056)  
 Scale: 1" = 40' Date: December, 2017

SURVEY PLOTTED BY	DATE	2/18
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

- All edge striping shall be 6 inch white thermoplastic rather than 4 inch.
- Autoscope Cameras(4) Installed on Mast Arms at Honoapiilani Hwy and Kuikahi Drive Intersection.
- Mast Arm Street Signs installed, Two (2) Honoapiilani Hwy and Two (2) Kuikahi Drive.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	34	41



# CURVE DATA

$\Delta$	= 12°53'00"
D	= 2°00'00"
R	= 2,864.93'
T	= 323.46'
C	= 642.84'
Lc	= 644.20'

#	1	D10-1a	(10" x 16.5")
#	.5		(10" x 10.5")
#	30		(10" x 10.5")

SURVEY PLOTTED BY	DATE	2/18
DESIGNED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		
ORIGINAL PLAN		
NOTE BOOK		
me/aj		
4/20/2019		

- 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

**SIGNING & PAVEMENT  
MARKING PLAN**

HONOAPIILANI HIGHWAY RESURFACING  
Keanu Street to Kuihelani Highway  
Federal-Aid Project No. NH-030-1(056)  
Scale: 1" = 40' Date: December, 2017

SHEET No. 3 OF 10 SHEETS

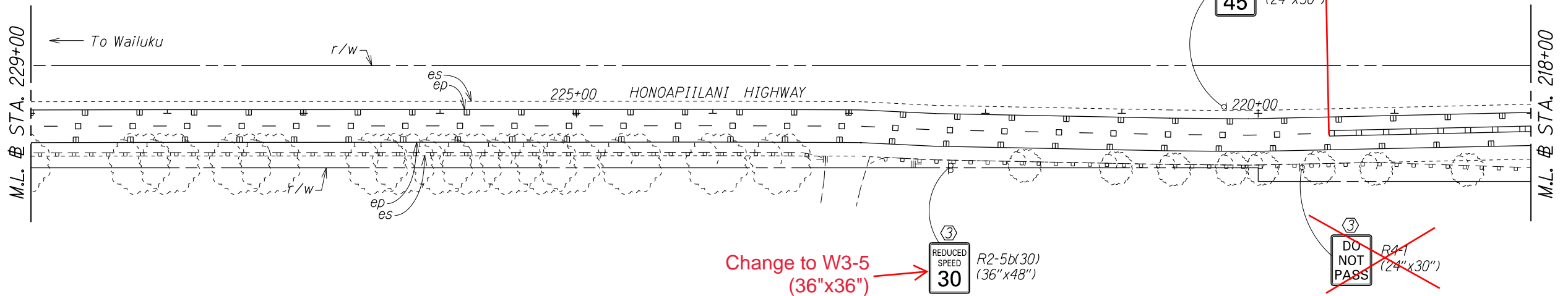
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	35	41

STA. 229+00 RT. TO STA. 223+60 RT.  
 STA. 222+10 RT. TO STA. 213+15 RT.  
 STA. 211+00 RT. TO STA. 207+00 RT.  
 STA. 229+00 LT. TO STA. 207+00 LT.  
 Install Edge Line Rumble Strip

STA. 229+00 TO STA. 218+00  
 Install Centerline Milled Rumble Strip

TRUE NORTH  
 SCALE : 1" = 40'

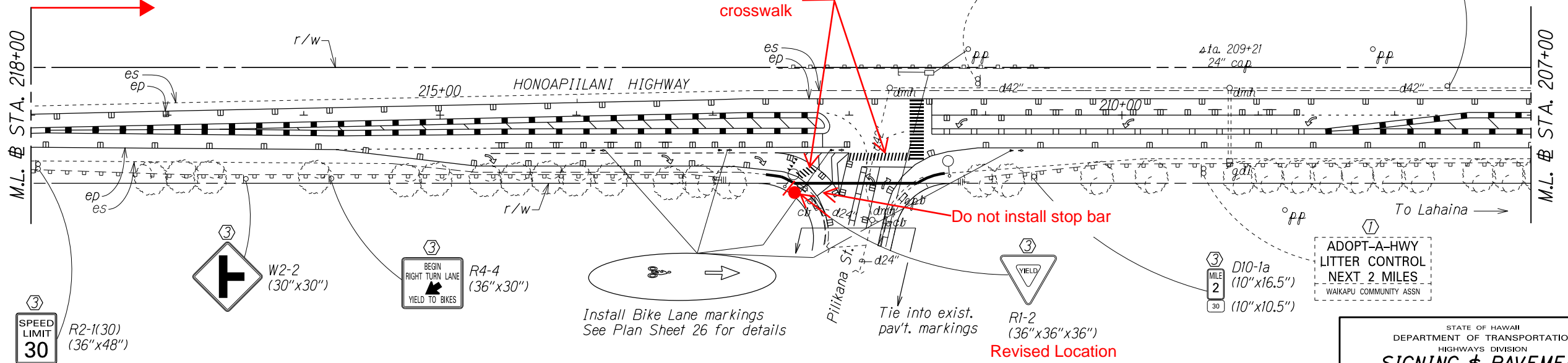
Continue 4" double yellow stripe with type "D" markers



Sta. 218+00  
 11 foot lane widths  
 (begin median taper before Piliikana Street)

TRUE NORTH  
 SCALE : 1" = 40'

6 foot wide crosswalk



- All edge striping shall be 6 inch white thermoplastic rather than 4 inch.
- Autoscope Cameras(3) Installed on Mast Arms at Honoapiilani Hwy and Piliikana St Intersection.
- Mast Arm Street Signs installed, Two (2) Piliikana St.

As-Built Drawings

Signature Earsie JK Muller

KEY:

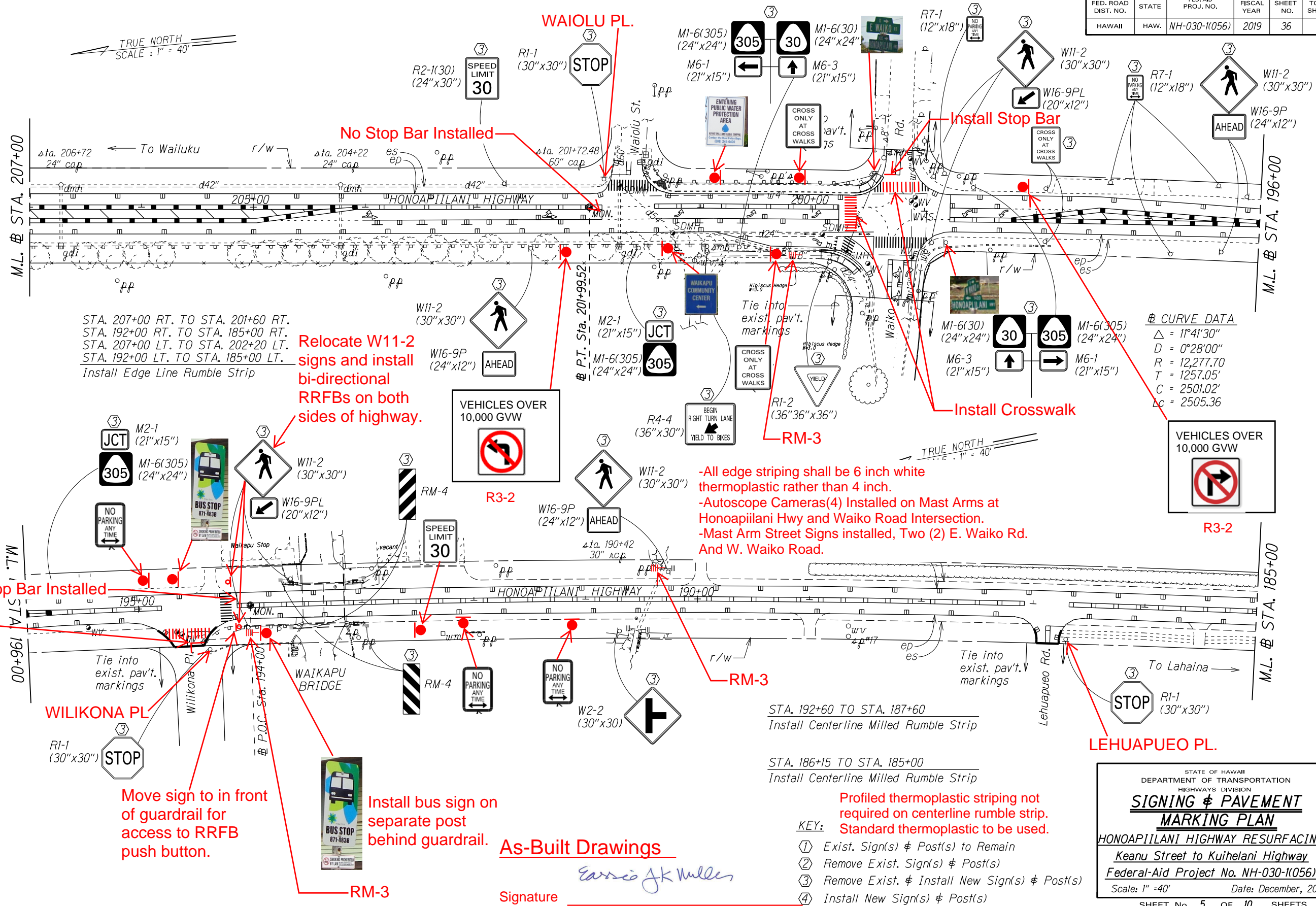
- ① Exist. Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)

SURVEY PLOTTED BY	DATE
DESIGNED BY	2/18
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
 HONOAPIILANI HIGHWAY RESURFACING  
 Keanu Street to Kuihelani Highway  
 Federal-Aid Project No. NH-030-1(056)  
 Scale: 1" = 40' Date: December, 2017  
 SHEET No. 4 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	36	41

TRUE NORTH  
SCALE: 1" = 40'



STA. 207+00 RT. TO STA. 201+60 RT.  
STA. 192+00 RT. TO STA. 185+00 RT.  
STA. 207+00 LT. TO STA. 202+20 LT.  
STA. 192+00 LT. TO STA. 185+00 LT.  
Install Edge Line Rumble Strip

Relocate W11-2 signs and install bi-directional RRFBs on both sides of highway.

-All edge striping shall be 6 inch white thermoplastic rather than 4 inch.  
-Autoscope Cameras(4) Installed on Mast Arms at Honoapiilani Hwy and Waiko Road Intersection.  
-Mast Arm Street Signs installed, Two (2) E. Waiko Rd. And W. Waiko Road.

# CURVE DATA

$\Delta$	= 11°41'30"
D	= 0°28'00"
R	= 12,277.70
T	= 1257.05'
C	= 2501.02'
Lc	= 2505.36

Install Crosswalk and Stop Bar

No Stop Bar Installed

WILIKONA PL.

LEHUAPUEO PL.

Move sign to in front of guardrail for access to RRFB push button.

Install bus sign on separate post behind guardrail.

As-Built Drawings

Signature *Earnest J. Miller*

STA. 192+60 TO STA. 187+60  
Install Centerline Milled Rumble Strip

STA. 186+15 TO STA. 185+00  
Install Centerline Milled Rumble Strip

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	ZJB
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
HONOAPIILANI HIGHWAY RESURFACING  
Keanu Street to Kuihelani Highway  
Federal-Aid Project No. NH-030-1(056)  
Scale: 1" = 40' Date: December, 2017  
SHEET No. 5 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	37	41

STA. 185+00 RT. TO STA. 178+40 RT.  
 STA. 176+20 RT. TO STA. 163+00 RT.  
 STA. 185+00 LT. TO STA. 163+00 LT.  
 Install Edge Line Rumble Strip

STA. 185+00 TO STA. 182+00  
 Install Centerline Milled Rumble Strip

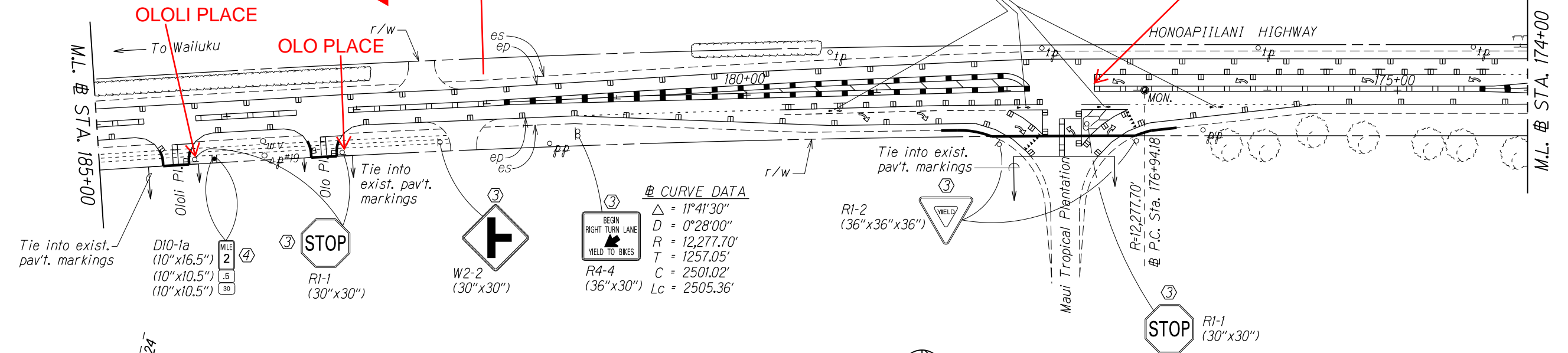
Profiled thermoplastic striping not required on centerline rumble strip. Standard thermoplastic to be used.

Sta. 182+00  
 11 foot lane widths (begin median taper before Tropical Plantation)

Install Bike Lane markings See Plan Sheet 26 for details

TRUE NORTH  
 SCALE: 1" = 40'

Do not install stop bar



Tie into exist. pav't. markings

D10-1a  
 (10"x16.5")  
 (10"x10.5")  
 (10"x10.5")

STOP  
 R1-1  
 (30"x30")

W2-2  
 (30"x30")

R4-4  
 (36"x30")

# CURVE DATA  
 $\Delta = 11^\circ 41' 30''$   
 $D = 0^\circ 28' 00''$   
 $R = 12,277.70'$   
 $T = 1257.05'$   
 $C = 2501.02'$   
 $L_c = 2505.36'$

R1-2  
 (36"x36"x36")

STOP  
 R1-1  
 (30"x30")

M.L. # STA. 174+00  
 P.T. Sta. 173+97.24  
 $R=2,864.93'$

TRUE NORTH  
 SCALE: 1" = 40'

W2-2  
 (30"x30")

R2-1(30)  
 (36"x48")

# CURVE DATA  
 $\Delta = 12^\circ 44' 00''$   
 $D = 2^\circ 00' 00''$   
 $R = 2864.93'$   
 $T = 319.67'$   
 $C = 635.39'$   
 $L_c = 636.70'$

EQ.  
 # P.C. Sta. 167+60.57 (AH)  
 # P.C. Sta. 167+61.15 (BK) =

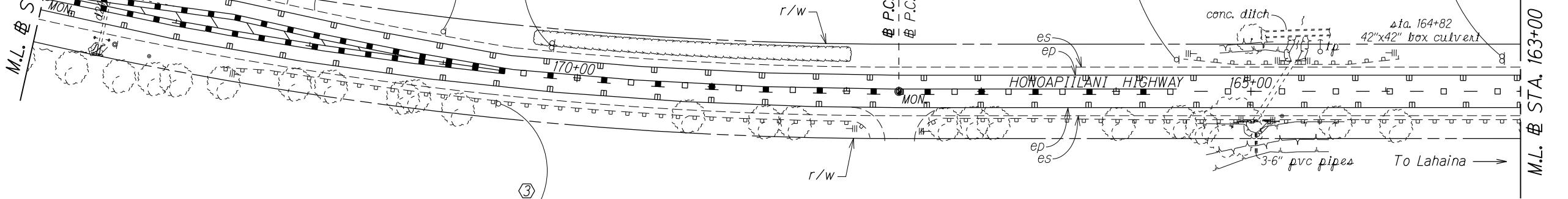
R4-1  
 (24"x30")

DO NOT PASS

Change to W3-5  
 (36"x36")

~~R2-5(30)~~  
~~(36"x48")~~

REDUCED SPEED  
 30



STA. 170+45 TO STA. 163+00  
 Install Centerline Milled Rumble Strip

Profiled thermoplastic striping not required on centerline rumble strip. Standard thermoplastic to be used.

As-Built Drawings

*Eusebio JK Muller*

Signature

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)

All edge striping shall be 6 inch white thermoplastic rather than 4 inch.

SURVEY PLOTTED BY	DATE	ZJB
DESIGNED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
 HONOAPIILANI HIGHWAY RESURFACING  
 Keanu Street to Kuihelani Highway  
 Federal-Aid Project No. NH-030-1(056)  
 Scale: 1" = 40' Date: December, 2017

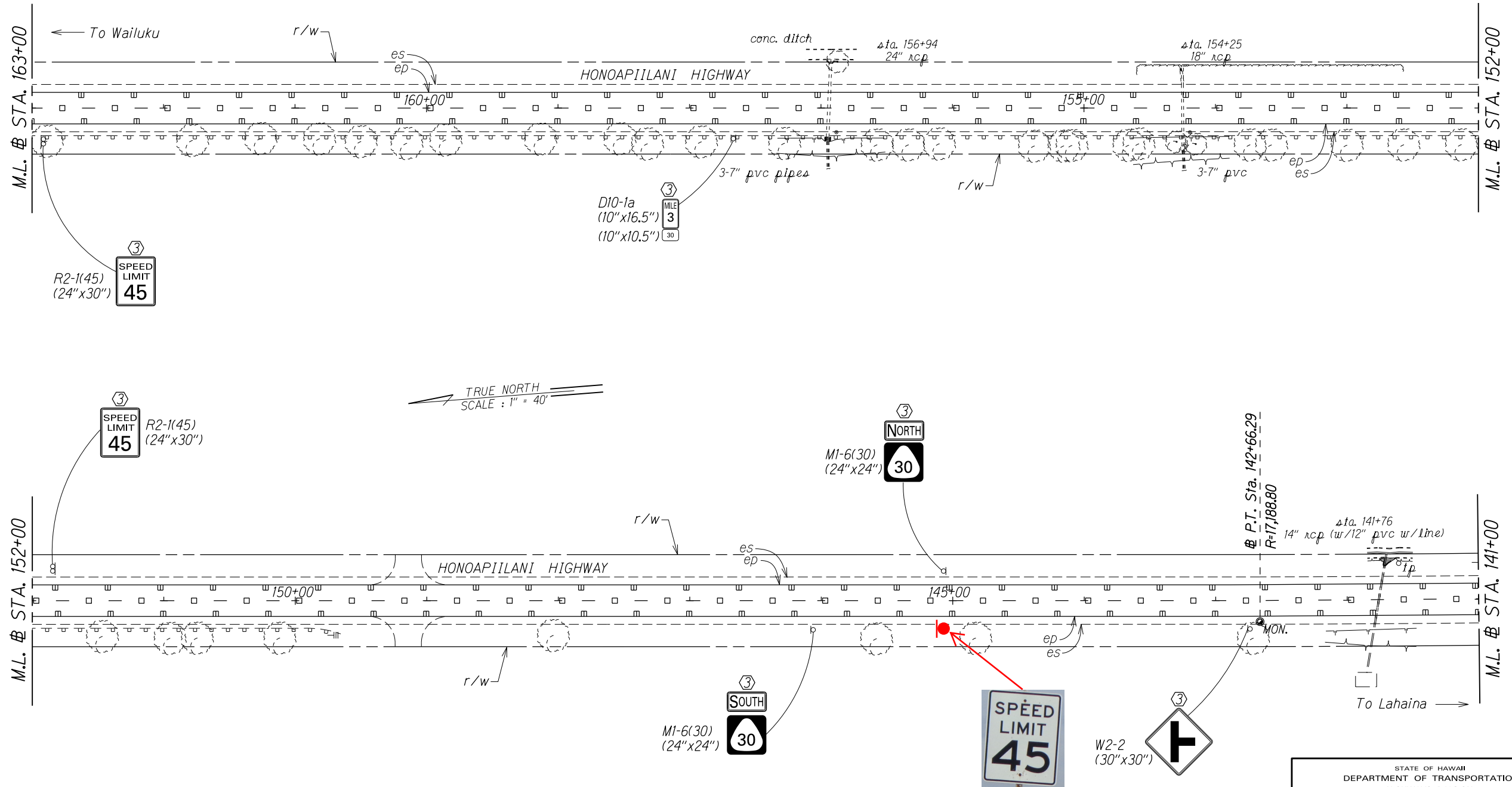
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	38	41

STA. 163+00 RT. TO STA. 141+00 RT.  
 STA. 163+00 LT. TO STA. 141+00 LT.  
 Install Edge Line Rumble Strip

STA. 163+00 TO STA. 141+00  
 Install Centerline Milled Rumble Strip

Profiled thermoplastic striping not required on centerline rumble strip.  
 Standard thermoplastic to be used.

TRUE NORTH  
 SCALE : 1" = 40'



SURVEY PLOTTED BY	DATE	2/18
DESIGNED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

All edge striping shall be 6 inch white thermoplastic rather than 4 inch.

As-Built Drawings

Signature Evario JK Muller

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  
**SIGNING & PAVEMENT MARKING PLAN**  
 HONOAPIILANI HIGHWAY RESURFACING  
 Keanu Street to Kuihelani Highway  
 Federal-Aid Project No. NH-030-1(056)  
 Scale: 1" = 40' Date: December, 2017  
 SHEET No. 7 OF 10 SHEETS

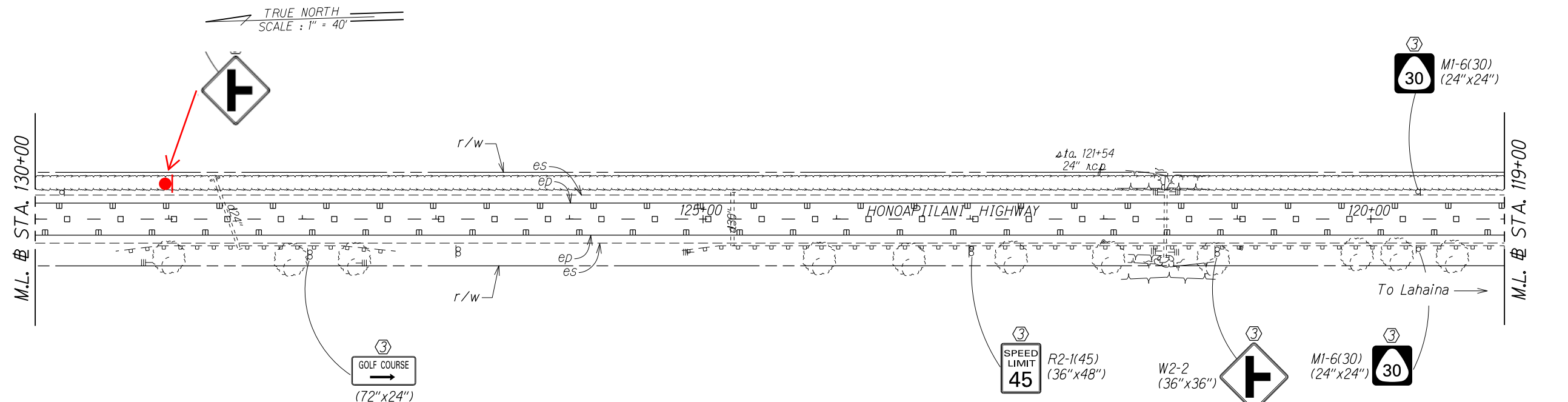
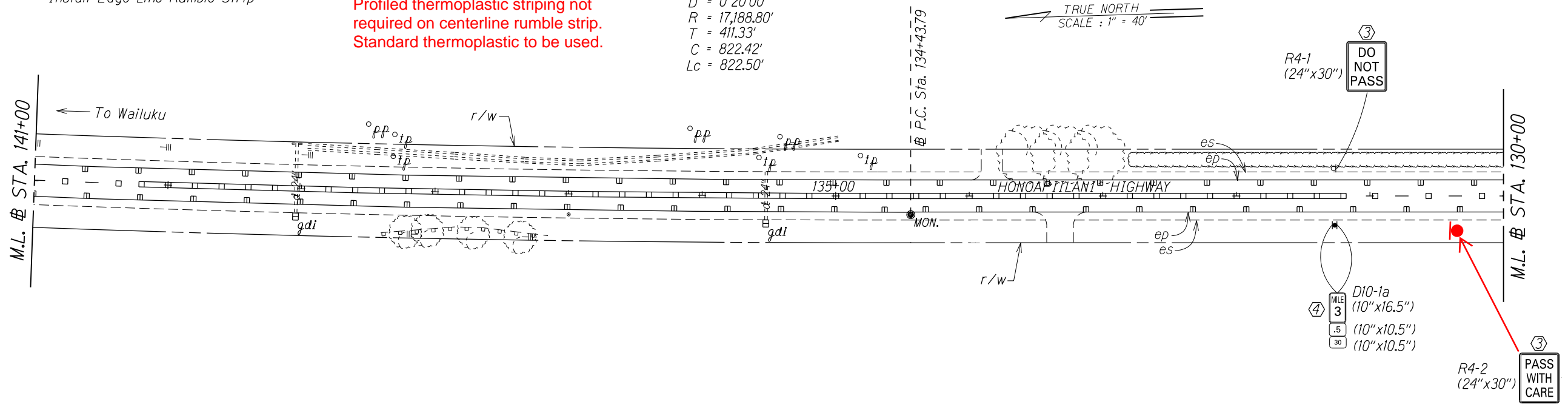
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	39	41

STA. 141+00 RT. TO STA. 119+00 RT.  
 STA. 141+00 LT. TO STA. 119+00 LT.  
 Install Edge Line Rumble Strip

STA. 141+00 TO STA. 119+00  
 Install Centerline Milled Rumble Strip  
**Profiled thermoplastic striping not required on centerline rumble strip.**  
**Standard thermoplastic to be used.**

# CURVE DATA  
 $\Delta = 2^{\circ}44'30''$   
 $D = 0^{\circ}20'00''$   
 $R = 17,188.80'$   
 $T = 411.33'$   
 $C = 822.42'$   
 $Lc = 822.50'$

TRUE NORTH  
 SCALE : 1" = 40'



SURVEY PLOTTED BY	DATE
DESIGNED BY	2/18
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

All edge striping shall be 6 inch white thermoplastic rather than 4 inch.

**As-Built Drawings**

Signature Evario JK Muller

KEY:

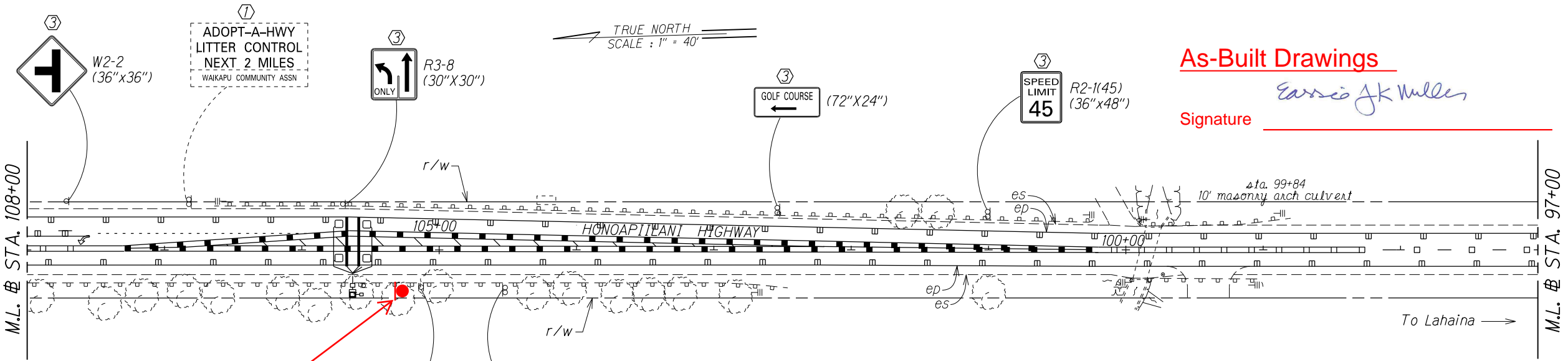
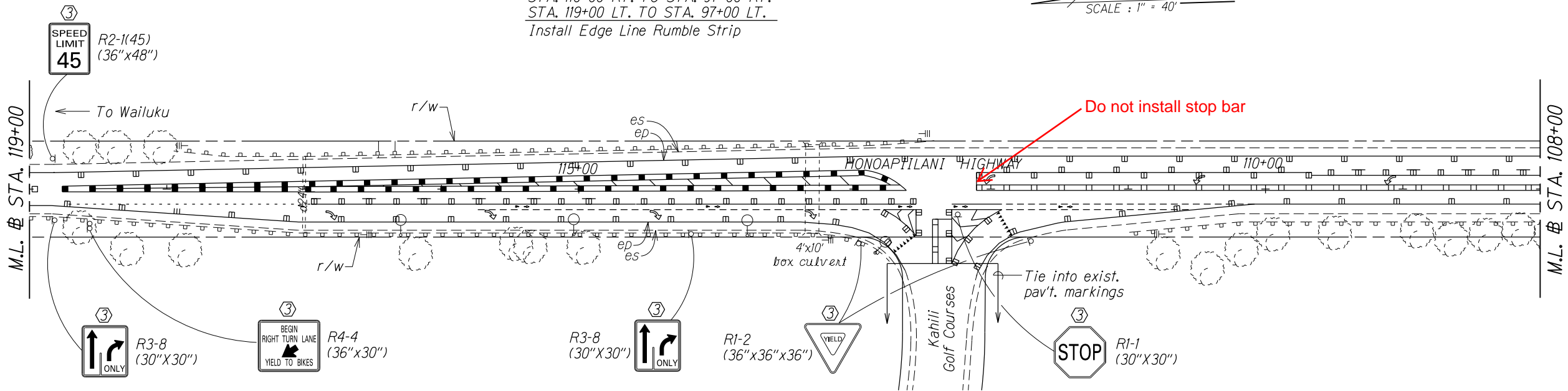
- ① Exist. Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
 HONOAPIILANI HIGHWAY RESURFACING  
 Keanu Street to Kuihelani Highway  
 Federal-Aid Project No. NH-030-1(056)  
 Scale: 1" = 40' Date: December, 2017

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	40	41

STA. 119+00 RT. TO STA. 113+30 RT.  
 STA. 110+00 RT. TO STA. 97+00 RT.  
 STA. 119+00 LT. TO STA. 97+00 LT.  
 Install Edge Line Rumble Strip

TRUE NORTH  
 SCALE : 1" = 40'



**As-Built Drawings**  
 Signature *Earnie JK Muller*

STA. 100+20 TO STA. 97+00  
 Install Centerline Milled Rumble Strip

Profiled thermoplastic striping not required on centerline rumble strip. Standard thermoplastic to be used.

- 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)

All edge striping shall be 6 inch white thermoplastic rather than 4 inch.

SURVEY PLOTTED BY	DATE
DESIGNED BY	2/18
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
 HONOAPIILANI HIGHWAY RESURFACING  
 Keanu Street to Kuihelani Highway  
 Federal-Aid Project No. NH-030-1(056)  
 Scale: 1" = 40' Date: December, 2017  
 SHEET No. 9 OF 10 SHEETS

