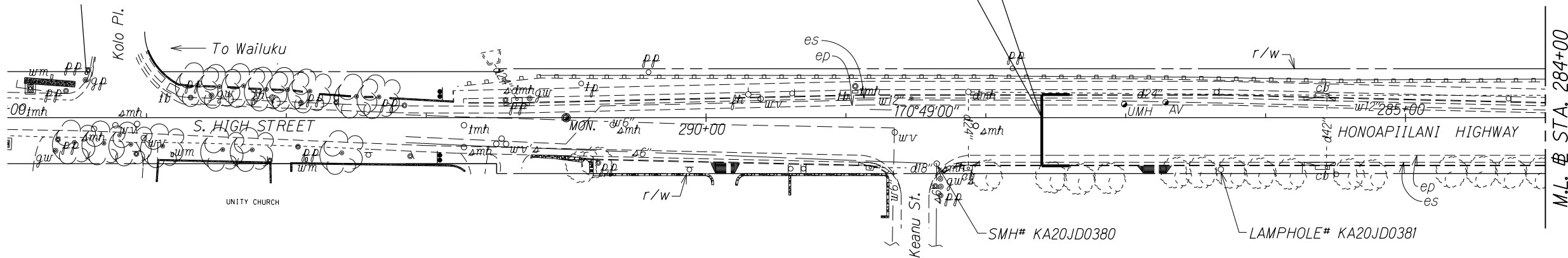


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	15	41

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

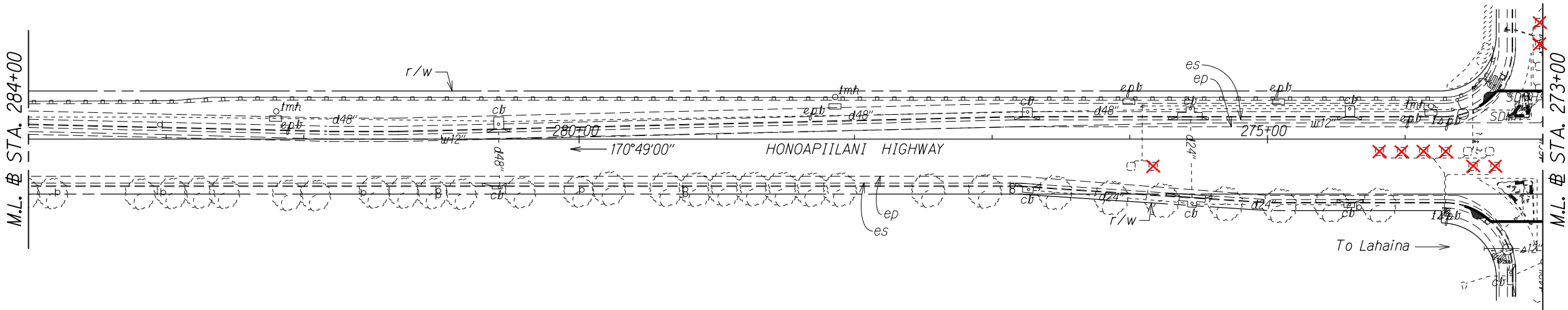
TRUE NORTH
SCALE : 1" = 40'



STA. 273+20± LT.&RT. - STA. 287+60 ±LT.&RT.
Cold plane along the face of concrete gutter
prior to resurfacing. See Plan Sheet No. 8
for details.

STA. 273+20± RT. - STA 291+70± RT (OUTSIDE PROJECT)
Install RM-5 mounted on rail @ 25' O.C. (76 Each)

TRUE NORTH
SCALE : 1" = 40'



NOTE:
Field crew and inspector from Waste Water Reclamation
Division (WWRD) will locate exact location of Lamp Hole.
Contact No. 808-270-7417.

As-Built Drawings

Earnest J. Muller

Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY 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

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

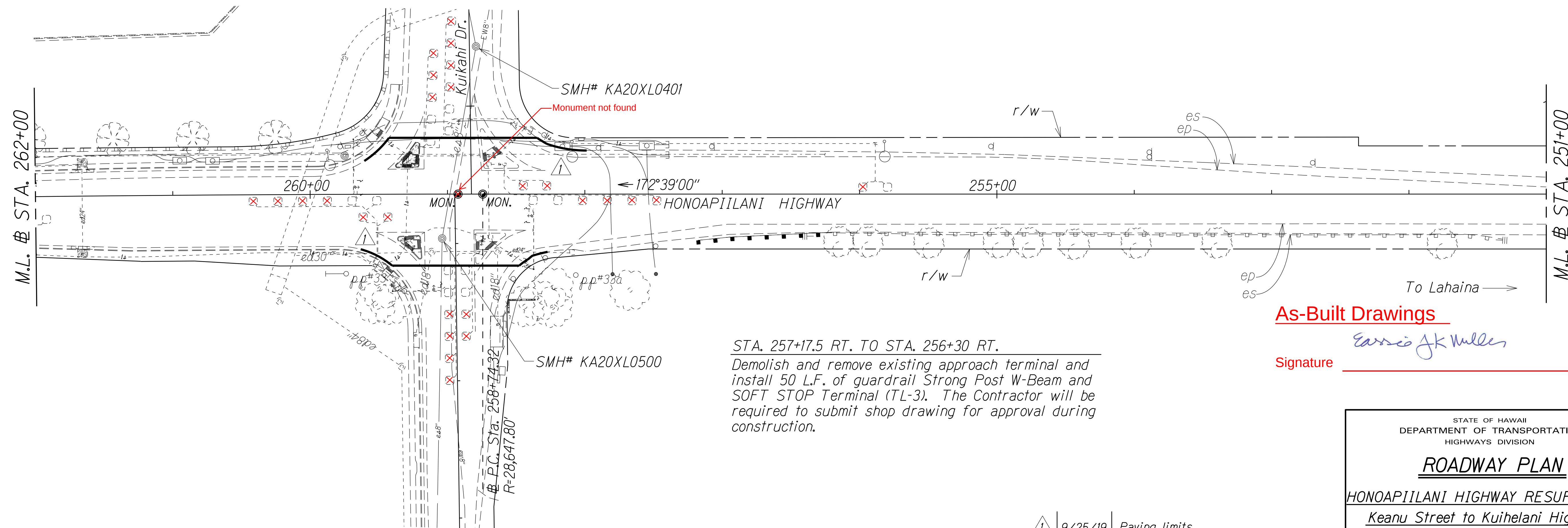
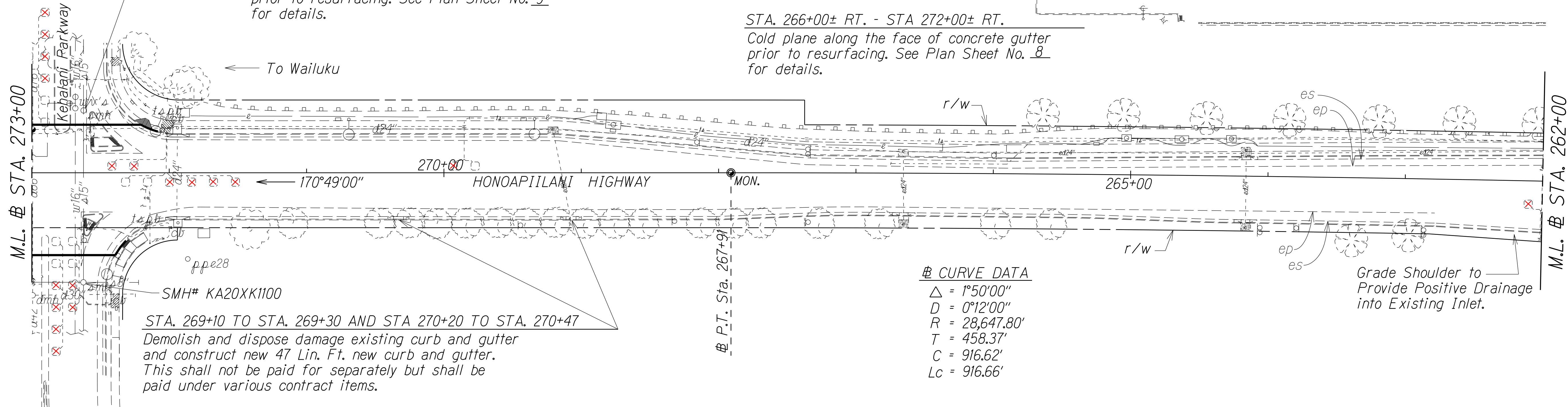
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	ADD.16	41

SMH# KA20XK1000

STA. 264+00± LT. - STA 272+00± LT.
Cold plane along the face of concrete gutter prior to resurfacing. See Plan Sheet No. 9 for details.

STA. 266+00± RT. - STA 272+00± RT.

Cold plane along the face of concrete gutter prior to resurfacing. See Plan Sheet No. 8 for details.



As-Built Drawings
Signature Eusebio J. K. Muller

9/25/19 Paving limits.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

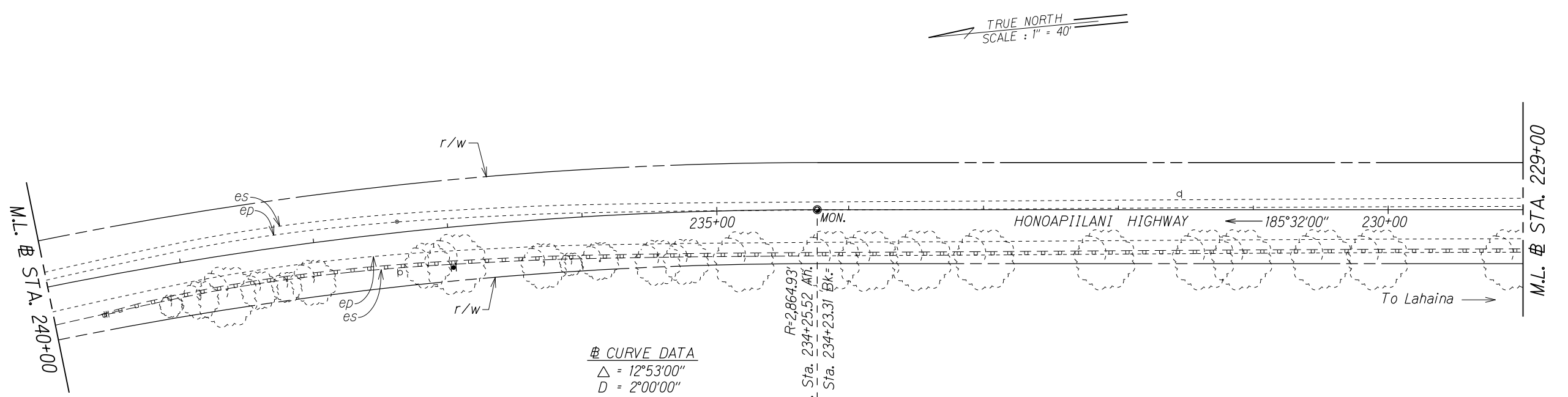
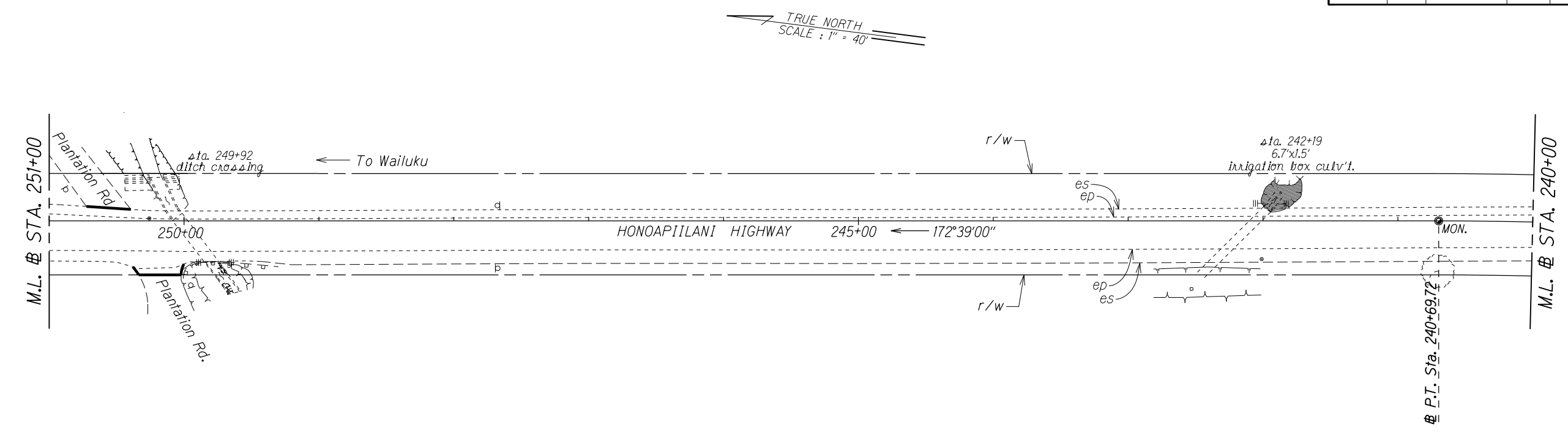
HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Federal-Aid Project No. NH-030-1(056)

Scale: 1" = 40' Date: December, 2017

SHEET No. 2 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2/7/18
DESIGNED BY	TRACED BY	
CHECKED BY	DESIGNED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	17	41



CURVE DATA
 $\Delta = 12^\circ 53' 00''$
 $D = 2^\circ 00' 00''$
 $R = 2,864.93'$
 $T = 323.46'$
 $C = 642.84'$
 $Lc = 644.20'$

$R = 2,864.93'$
P.C. Sta. 234+25.52
P.C. Sta. 234+23.31 Bk. =



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

HONOAPIILANI HIGHWAY RESURFACING

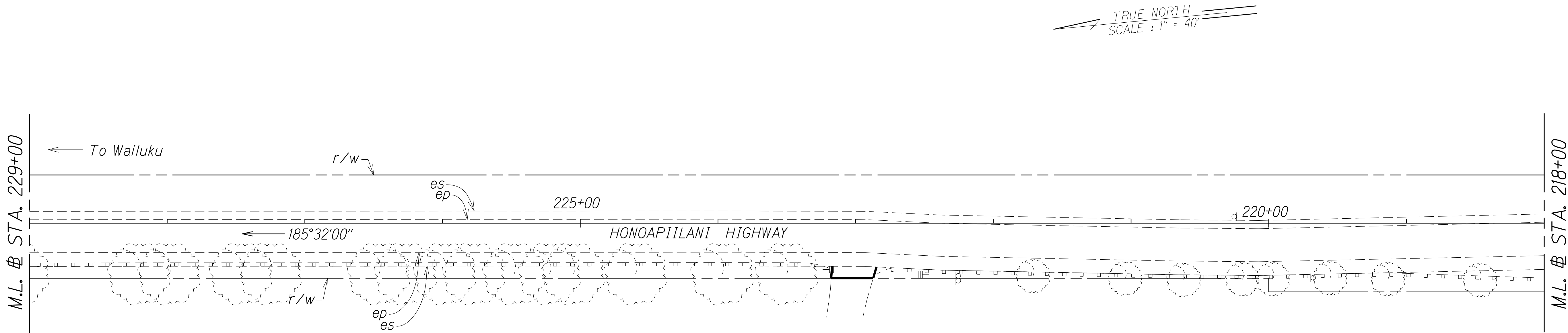
Keanu Street to Kuihelani Highway

Federal-Aid Project No. NH-030-1(056)

Scale: 1" = 40' Date: December, 2017

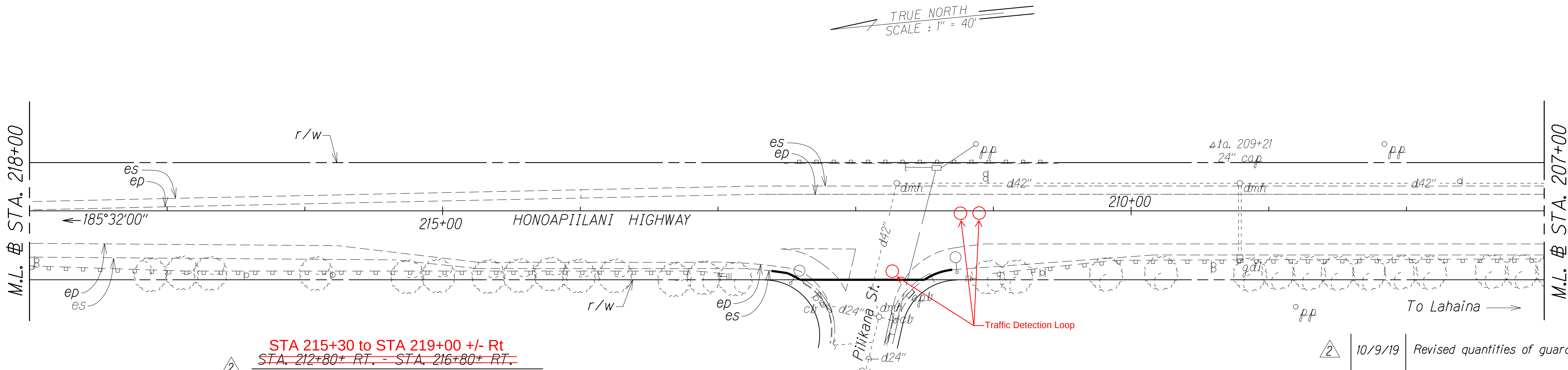
SHEET No. 3 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	ADD.18	41



STA. 221+70± RT. - STA. 222+90± RT.

Remove and dispose 37.5 L.F. existing end terminal
and install new 75 L.F. Strong Post W-Beam Guardrail
and Type G end terminal



2 STA 215+30 to STA 219+00 +/- Rt
~~STA. 212+80+ RT. - STA. 216+80+ RT.~~
Install RM 5 mounted on rail @ 25' O.C.
Reset existing guardrail posts (400 LF)

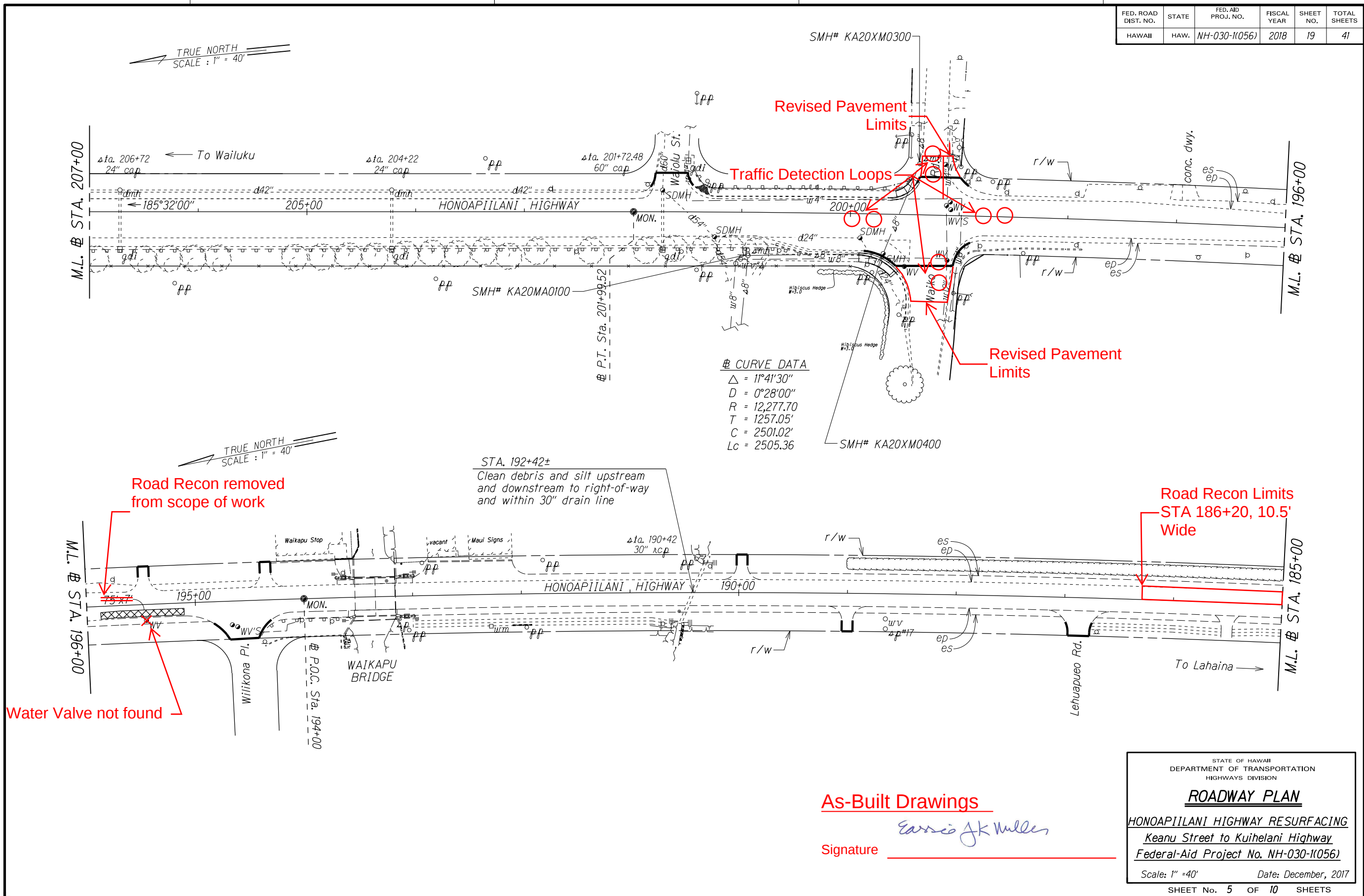
As-Built Drawings

Signature Eusebio J. K. Muller

10/9/19	Revised quantities of guardrail.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY 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	

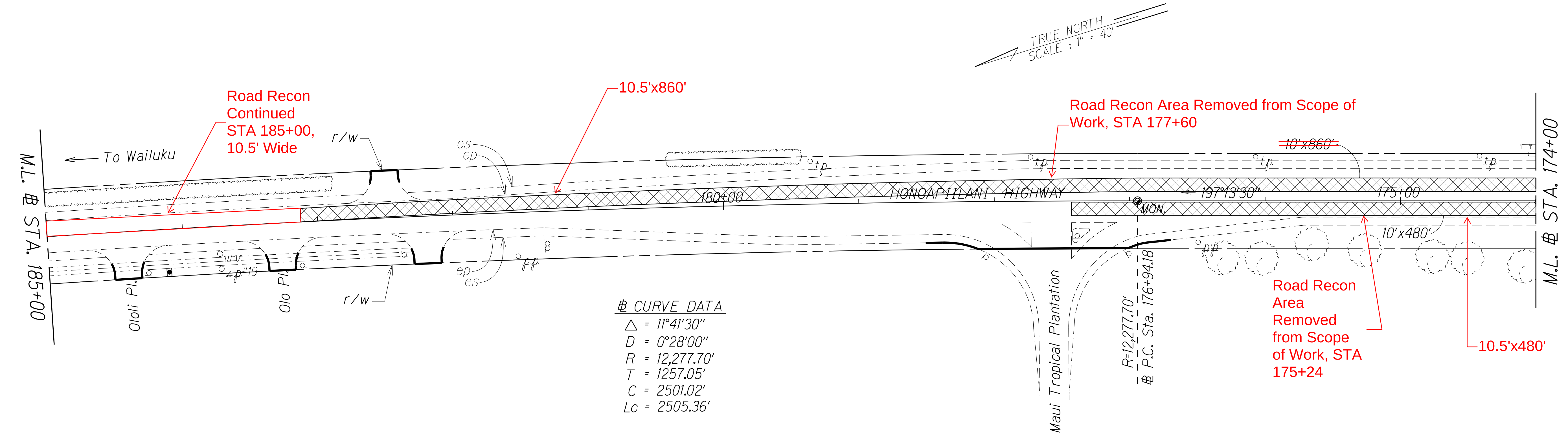
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2/18
mei,ley	DESIGNED BY	
mei,ley	CHECKED BY	
mei,ley		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2018	19	41

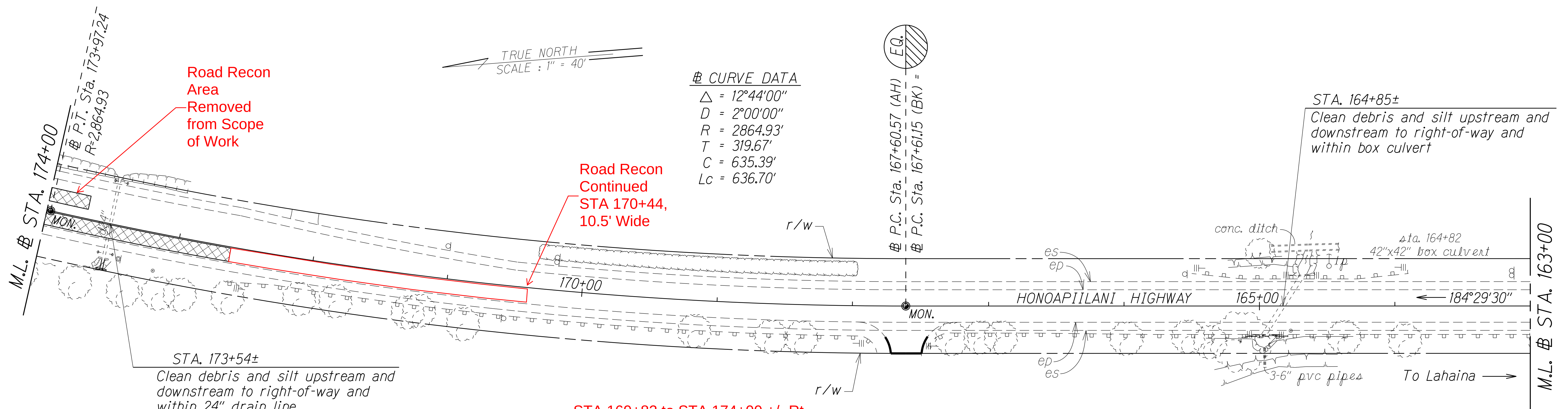


DATE	2/18
SURVEY PLOTTED BY	
DESIGNED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	ADD.20	41



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



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

STA. 173+54±
Clean debris and silt upstream and downstream to right-of-way and within 24" drain line.

STA. 164+85±
Clean debris and silt upstream and downstream to right-of-way and within box culvert

2 STA 169+82 to STA 174+00 +/- Rt
~~STA 168+50± RT, STA 172+50± RT.~~
Reset existing guardrail posts (400 LF)
Install RM-5 mounted on rail 25' O.C. (37 each)

As-Built Drawings

Signature Eusebio J. K. Miller

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2/18
DESIGNED BY	TRACED BY	
CHECKED BY	DESIGNED BY	
	CHECKED BY	

2	10/9/19	Revised quantities of guardrail.
DATE	REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

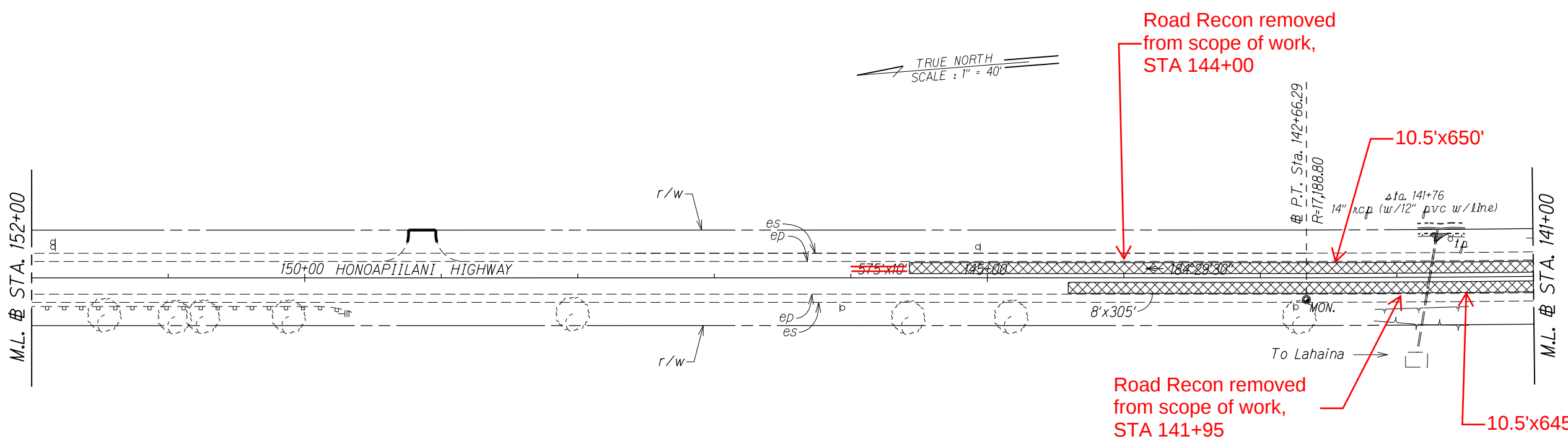
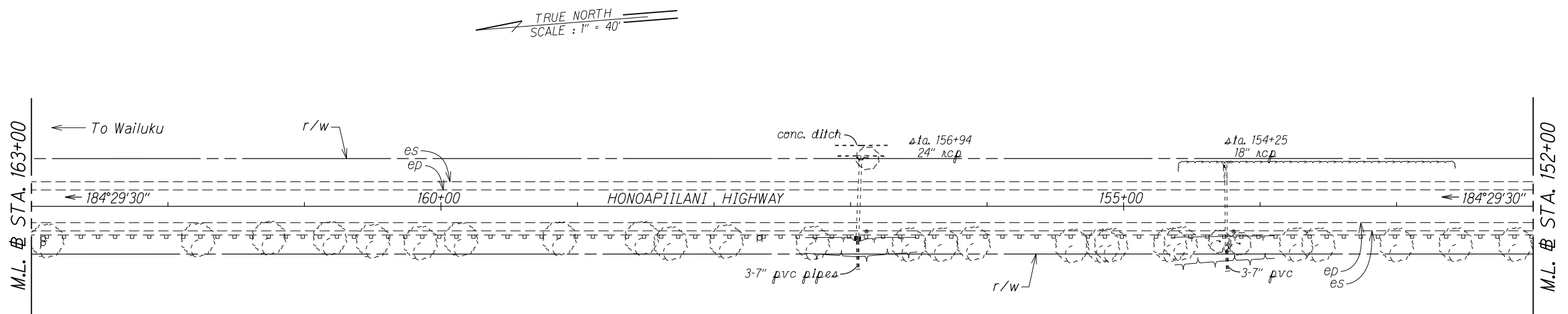
ROADWAY PLAN

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Federal-Aid Project No. NH-030-1(056)

Scale: 1" = 40' Date: December, 2017

SHEET No. 6 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	21	41



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

As-Built Drawings

Signature Eusebio JK Miller

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

HONOAPIILANI HIGHWAY RESURFACING

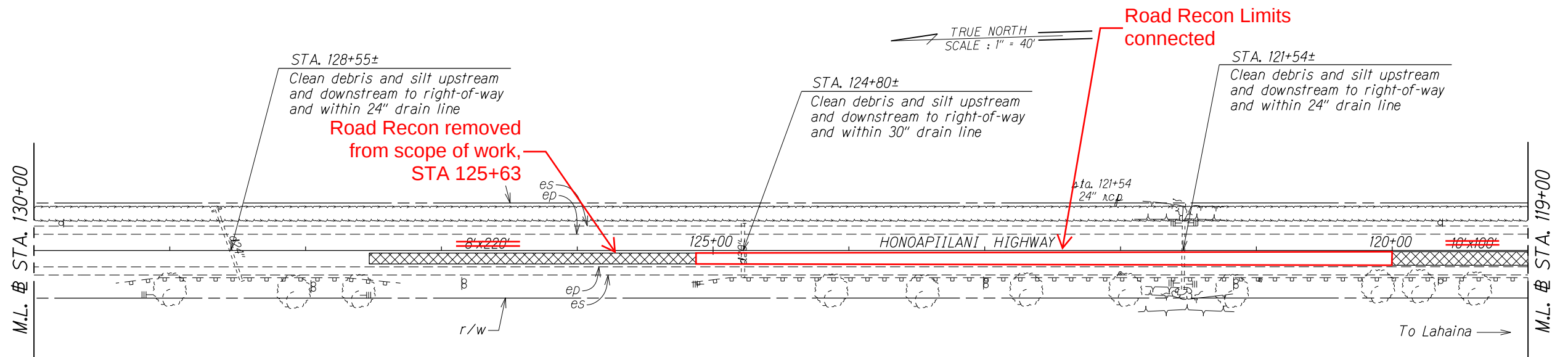
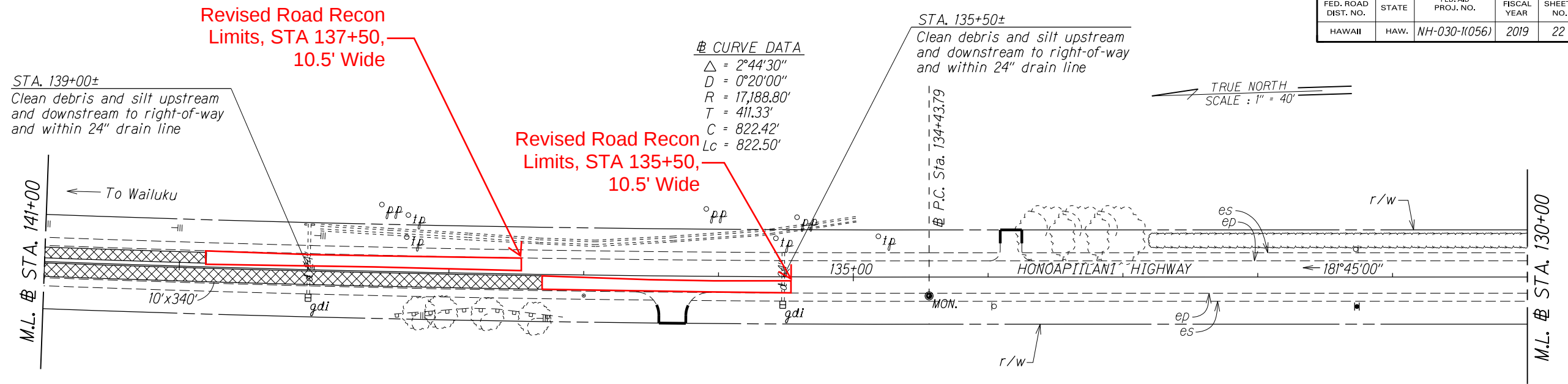
Keanu Street to Kuihelani Highway

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	22	41



ORIGINAL PLAN	DATE	2/18
DESIGNED BY	DRWN BY	
NOTED BY	CHECKED BY	
me/lay		
me/lay		

As-Built Drawings

Signature Eddie J. Miller

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

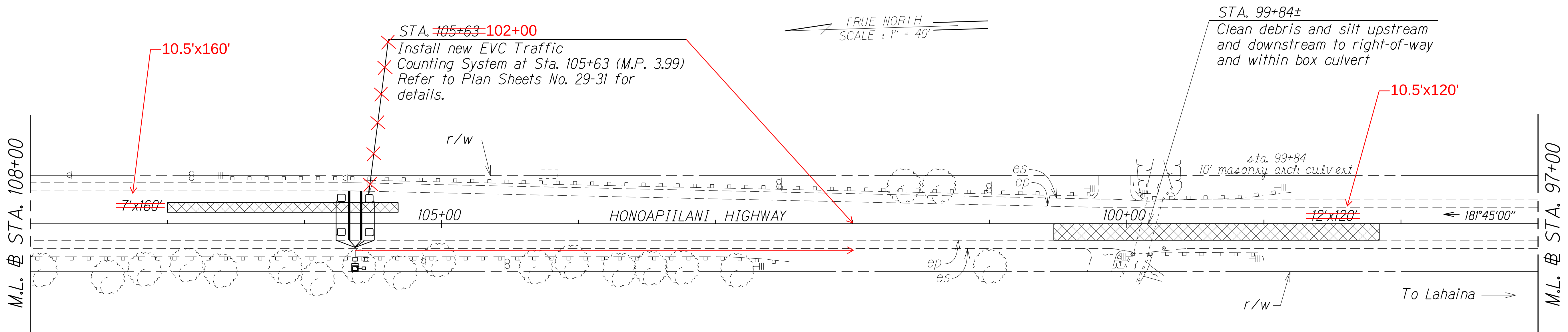
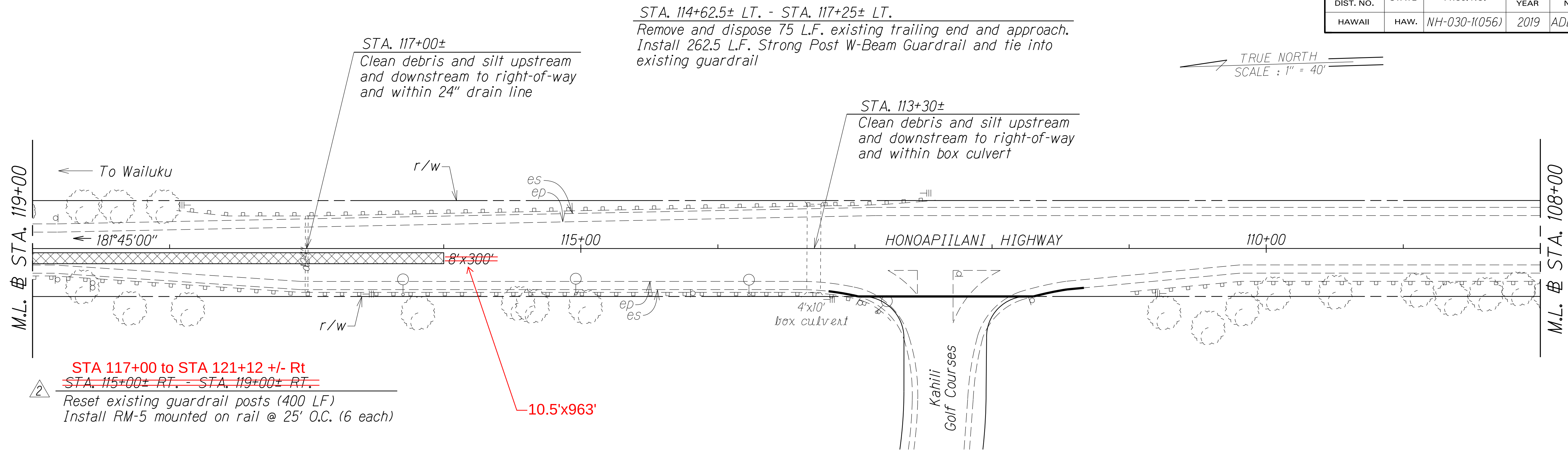
ROADWAY PLAN

HONOAPIILANI HIGHWAY RESURFACING
Keanu Street to Kuihelani Highway
Federal-Aid Project No. NH-030-1(056)

Scale: 1" = 40' Date: December, 2017

SHEET No. 8 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	ADD.23	41



As-Built Drawings

Signature Earnest J. Muller

△ 2 10/9/19 Revised quantities of guardrail.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

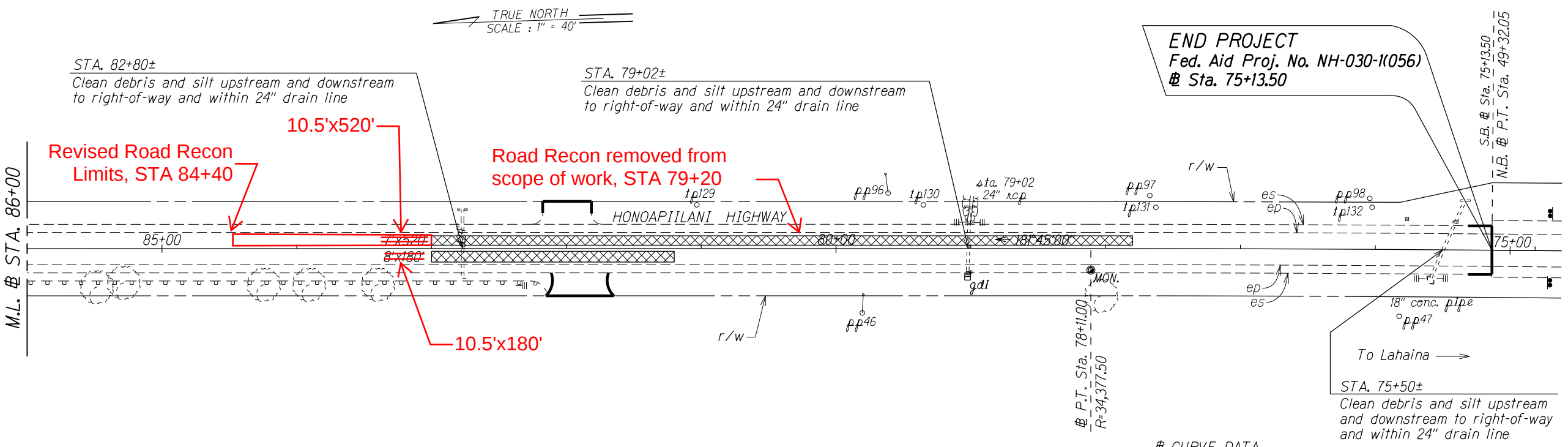
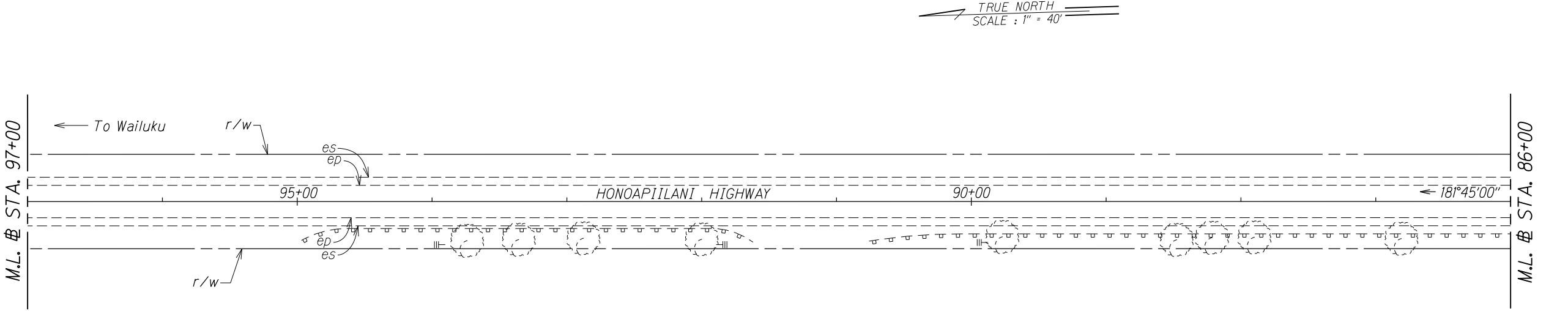
ROADWAY PLAN

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-030-1(056)	2019	24	41



CURVE DATA
Δ = 6°29'45"
D = 0°10'00"
R = 34,377.50'
T = 1,950.84'
C = 3,895.42'
Lc = 3,897.50'

As-Built Drawings
Eusebio JK Muller
Signature _____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY 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. 10 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	2/18
me/day	DESIGNED BY	
me/day	QUANTITIES BY	
me/day	CHECKED BY	