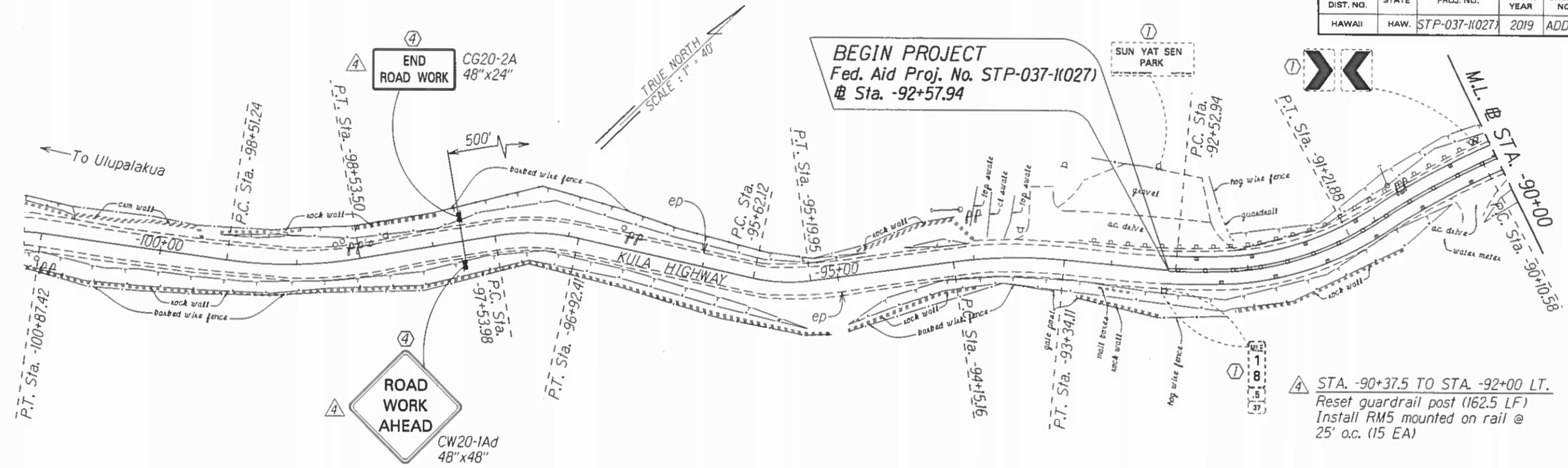
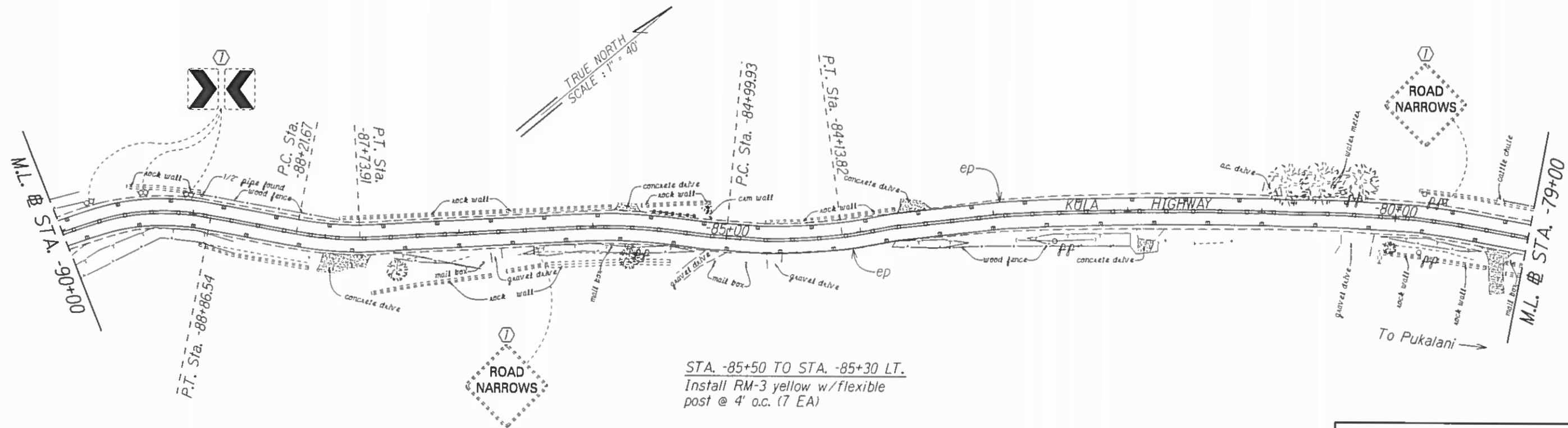


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(K027)	2019	ADD.14	35



4 STA. -90+37.5 TO STA. -92+00 LT.
Reset guardrail post (162.5 LF)
Install RM5 mounted on rail @
25' o.c. (15 EA)



STA. -85+50 TO STA. -85+30 LT.
Install RM-3 yellow w/flexible
post @ 4' o.c. (7 EA)

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	

NOTE:
Install RM-3 yellow with steel post behind existing
guardrail @ 150 ft. o.c. Refer to Standard Sheet TE-14.

- 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)

9/23/19	Revised call out on plan and add Construction Sign.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

KULA HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS

Omaopio Road to Sun Yat Sen Park

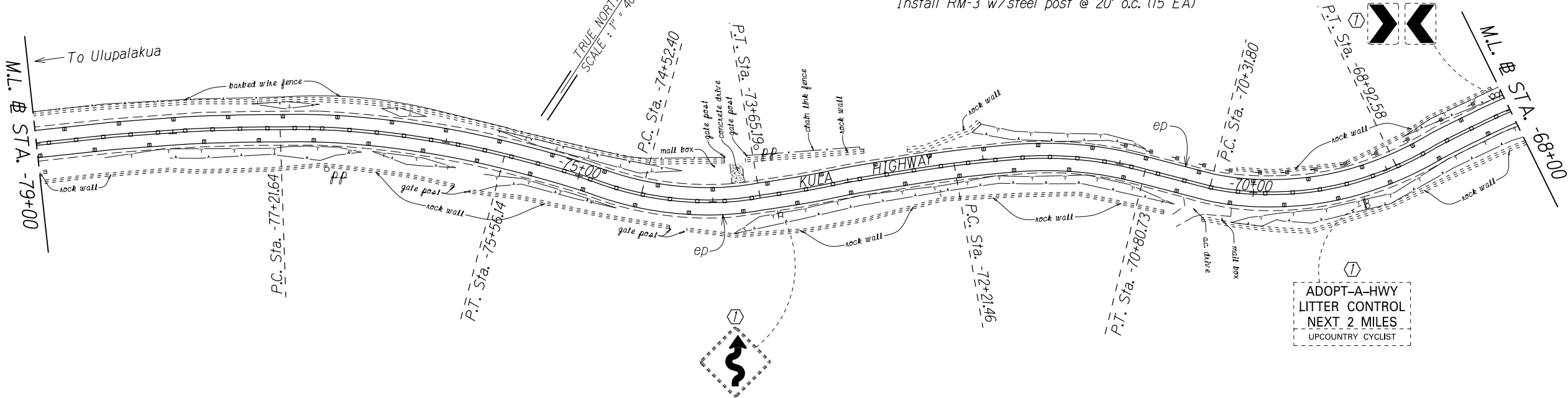
Federal-Aid Project No. STP-037-1(K027)

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

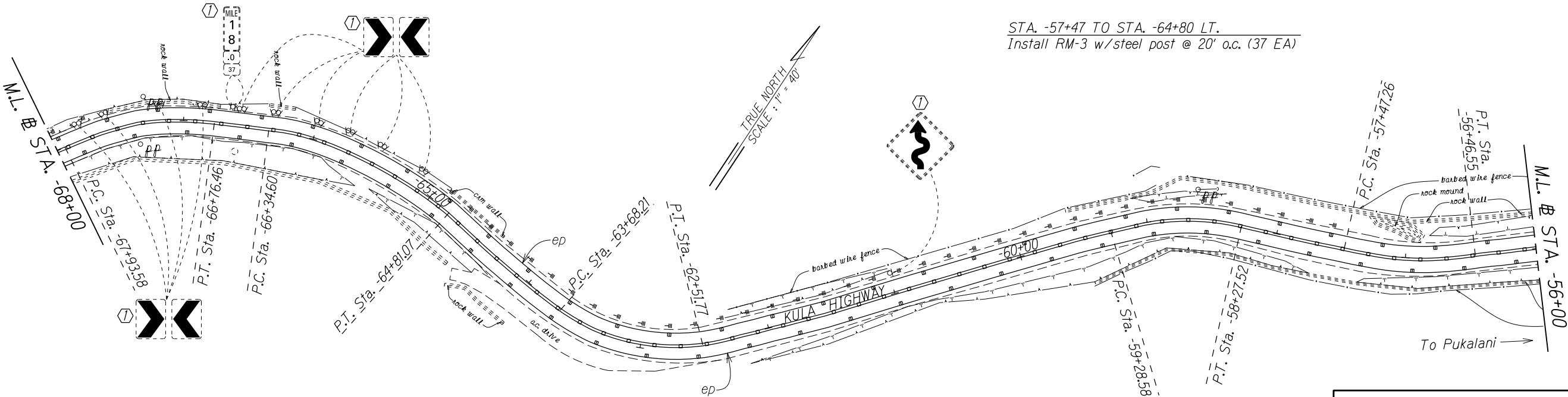
SHEET No. 1 OF 22 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-110271	2019	ADD.15	35

STA. -68+00 TO STA. -71+00 LT.
Install RM-3 w/steel post @ 20' o.c. (15 EA)



STA. -57+47 TO STA. -64+80 LT.
Install RM-3 w/steel post @ 20' o.c. (37 EA)



- 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)

8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY & PAVEMENT MARKING PLAN
**KULA HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS**
Omaopio Road to Sun Yat Sen Park

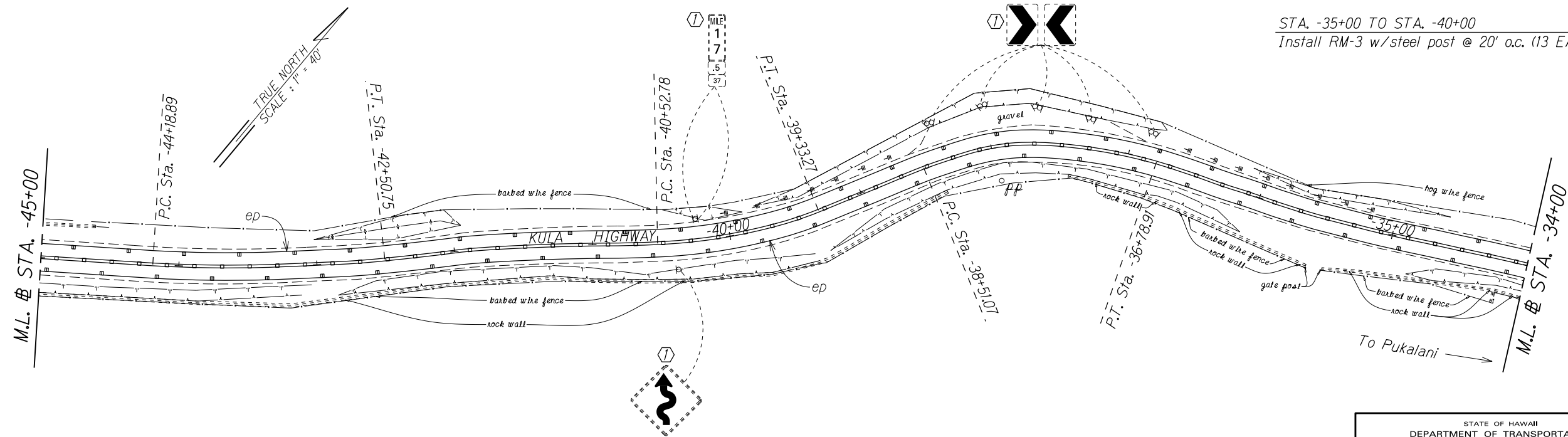
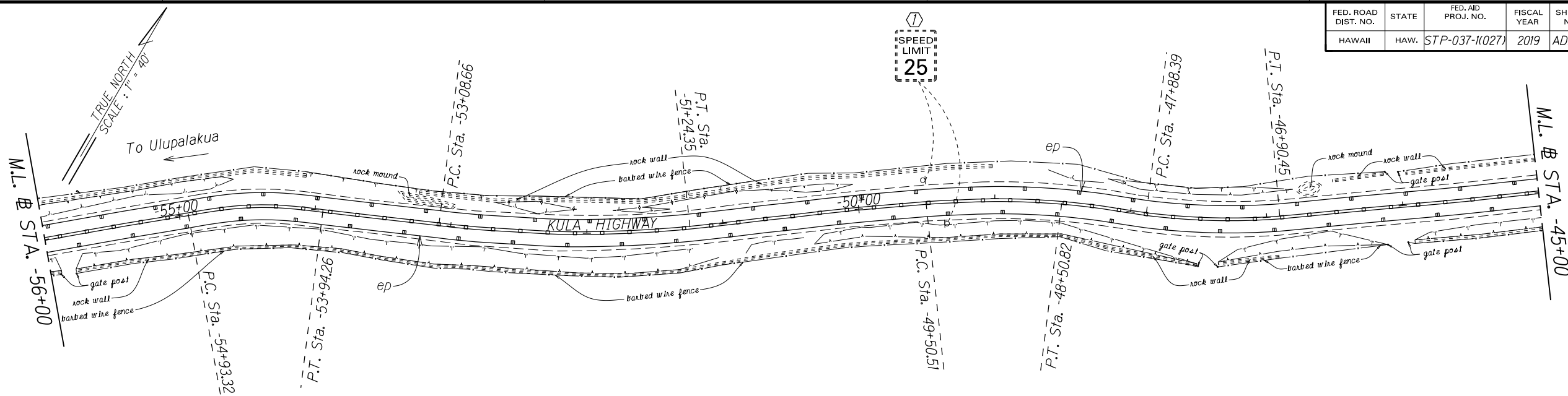
Scale: 1" = 40' Date: September, 2018

SHEET No. 2 OF 22 SHEETS

ADD. 15

ORIGINAL PLAN	DATE	BY
NOTE BOOK	DESIGNED BY	DATE
QUANTITIES BY	CHECKED BY	DATE
MADE BY		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.16	35



STA. -35+00 TO STA. -40+00
Install RM-3 w/steel post @ 20' o.c. (13 EA)

DATE	8/30/19
DESIGNED BY	XXX
CHECKED BY	XXX
QUANTITIES BY	XXX
NOTED BY	XXX
ORIGINAL PLAN	XXX

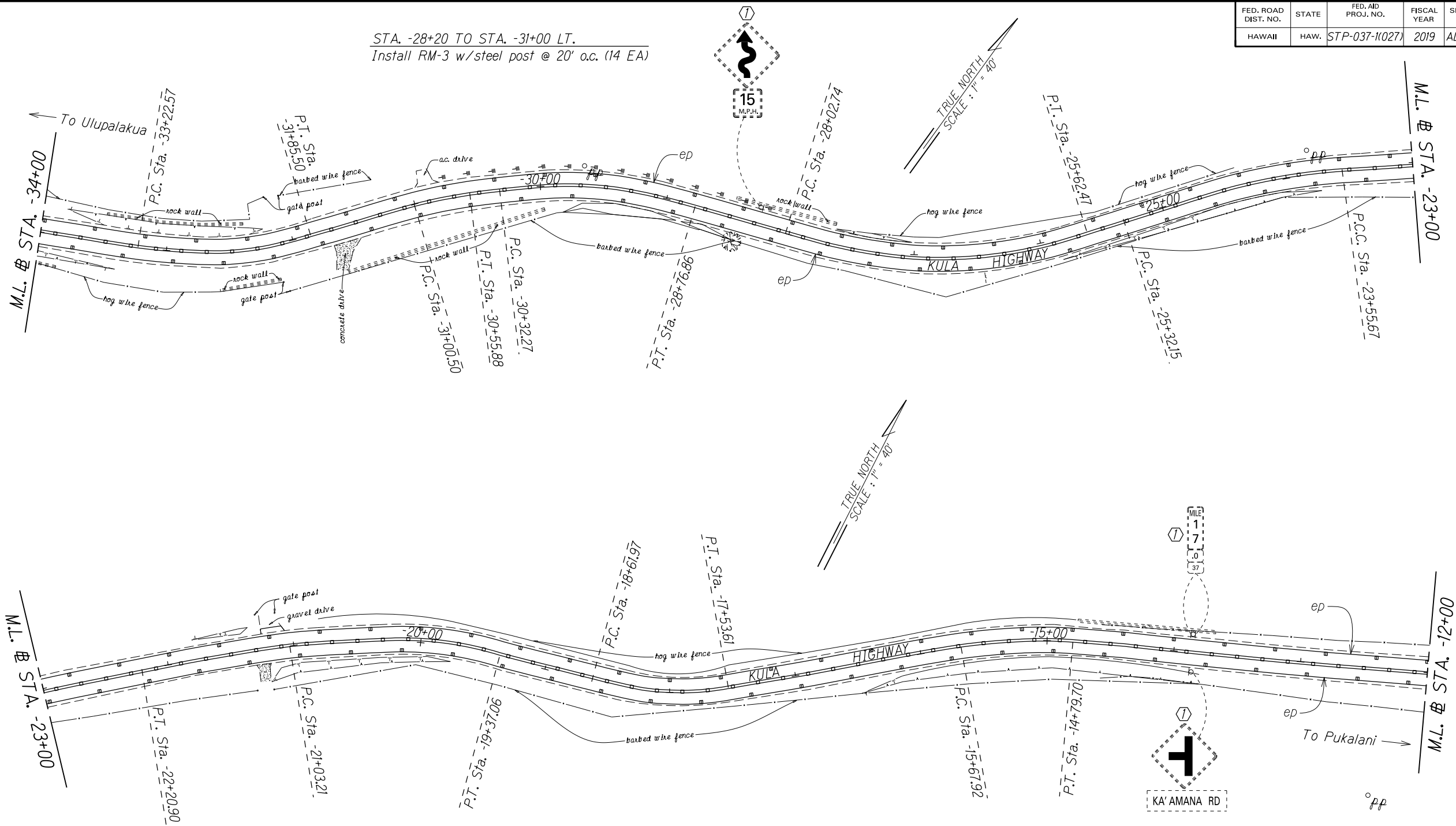
KEY:

- 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)

8/30/19	Issuing Sheet inadvertently left out from original Bid Set.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY & PAVEMENT MARKING PLAN
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
Omaopio Road to Sun Yat Sen Park
Federal-Aid Project No. STP-037-11(027)
Scale: 1" = 40'
Date: September, 2018
SHEET No. 3 OF 22 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.17	35



DATE	8/30/19
DESIGNED BY	XXX
CHECKED BY	XXX
ORIGINAL PLAN	XXX
NOTE BOOK	XXX
QUANTITIES BY	XXX
CHECKED BY	XXX

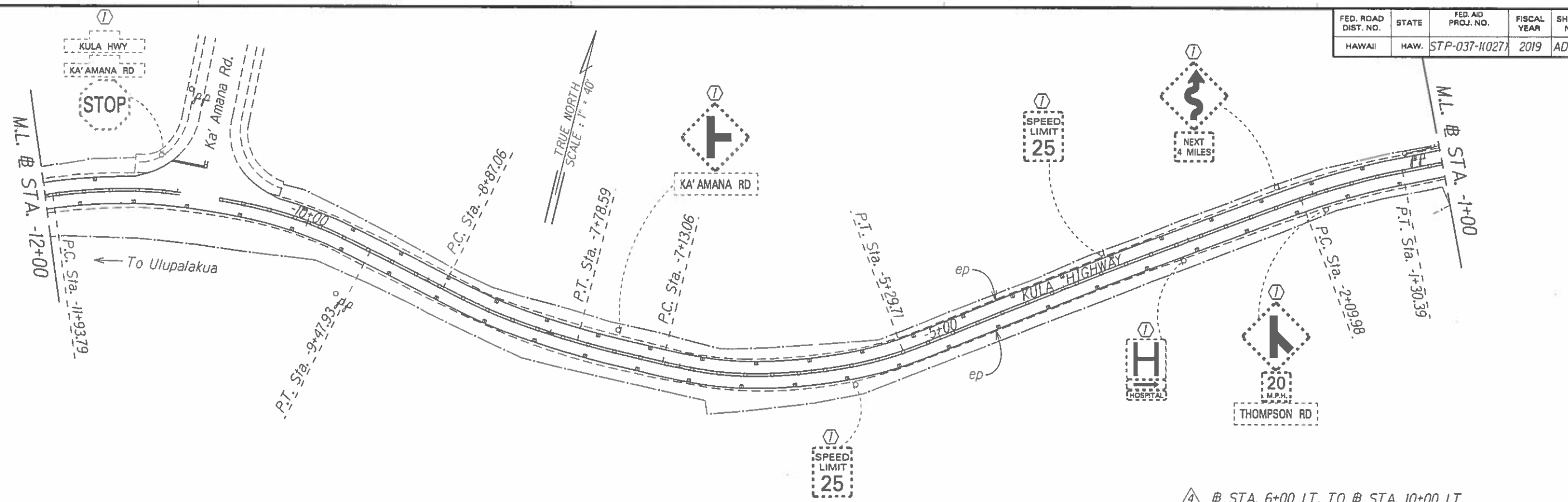
- KEY:
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) & Post(s)
 - ③ Remove Exist. & Install New Sign(s) & Post(s)
 - ④ Install New Sign(s) & Post(s)

8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY & PAVEMENT MARKING PLAN
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
Omaopio Road to Sun Yat Sen Park
Federal-Aid Project No. STP-037-11(027)
Scale: 1" = 40' Date: September, 2018
SHEET No. 4 OF 22 SHEETS

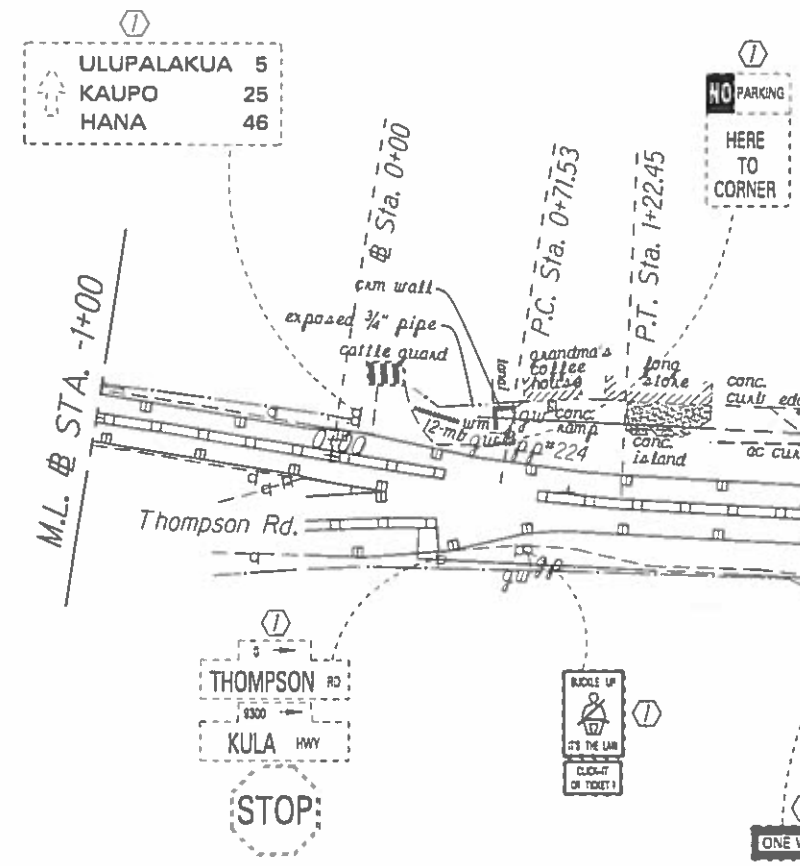
ADD. 17



④ @ STA. 6+15± LT. TO @ STA. 12+00± LT.
Install RM-5 mounted on rail @ 25' o.c. (23 EA.)

④ @ STA. 6+00 LT. TO @ STA. 10+00 LT.
Install RM-5 mounted on rail @ 25' o.c. (16 EA.)

@ CURVE DATA
 $\Delta = 24^{\circ}50'00''$
 $\Delta/2 = 12^{\circ}25'00''$
 $R = 1146.00$
 $T = 252.31$
 $C = 492.82$
 $L_c = 496.70$



Install Type II Object Marker w/Flexible Post (2 EA.)

- 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:
 Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

DATE	REVISION
9/23/19	Delete call out in the plan.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.

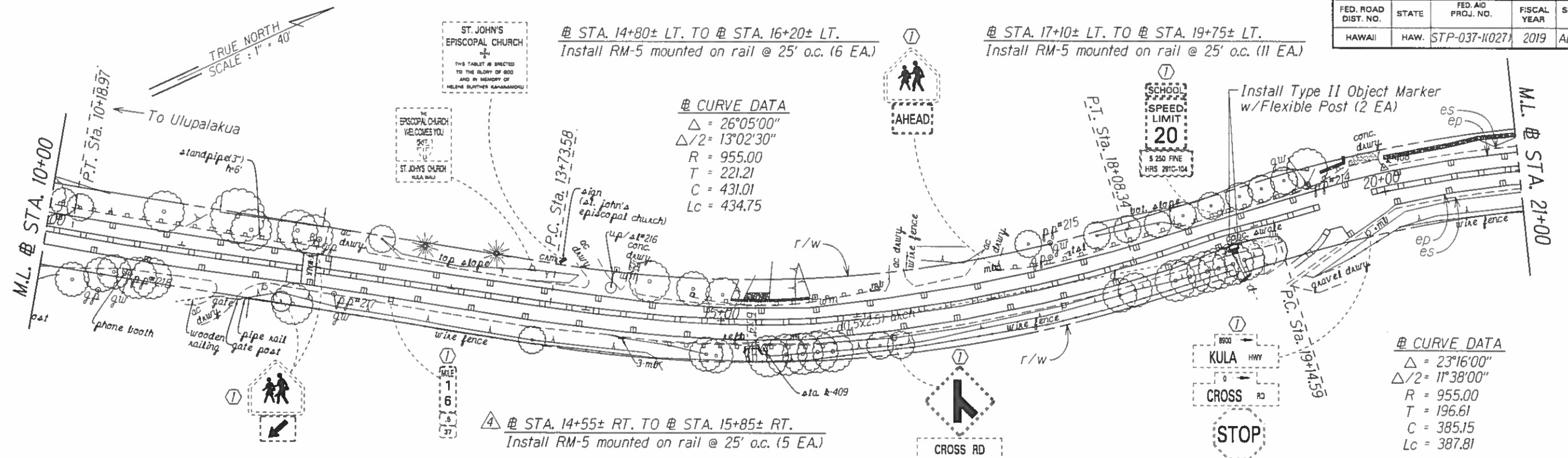
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
 Omaopio Road to Sun Yat Sen Park
 Federal-Aid Project No. STP-037-11027

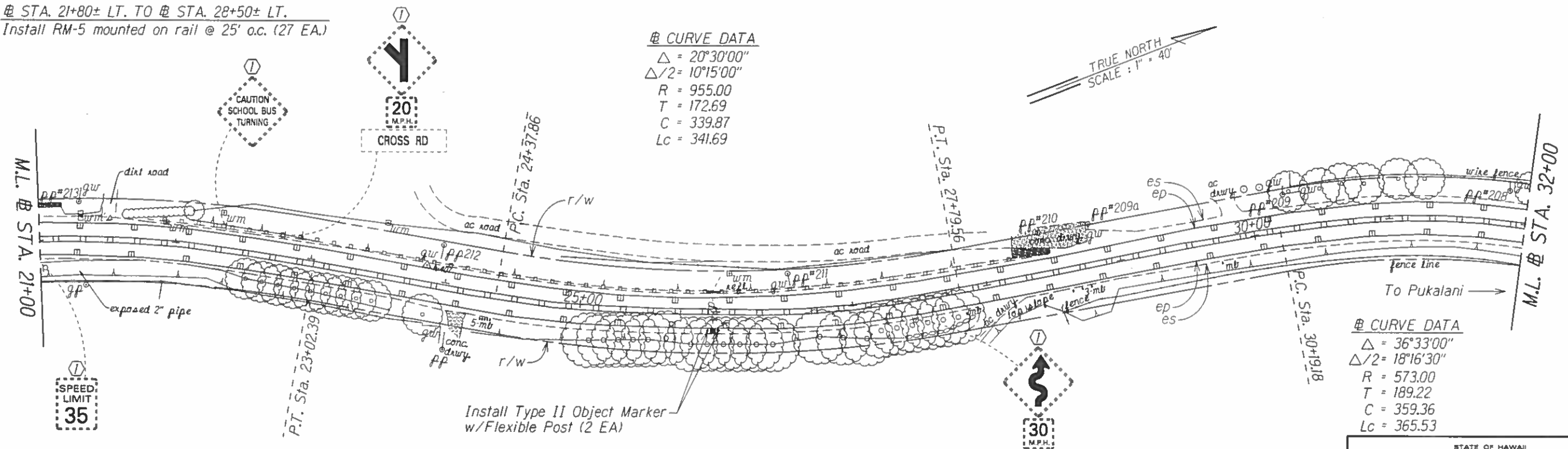
Scale: 1" = 40' Date: September, 2018
 SHEET No. 5 OF 22 SHEETS

SURVEY PLATTED BY: _____
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 ORIGINAL PLAN: _____
 NOTE: _____
 NO. 149

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11027	2019	ADD.19	35



④ STA. 21+80± LT. TO STA. 28+50± LT.
Install RM-5 mounted on rail @ 25' o.c. (27 EA.)



NOTE:
Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

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)

DATE	REVISION
9/23/19	Add call out in the plan.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

**KULA HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS**

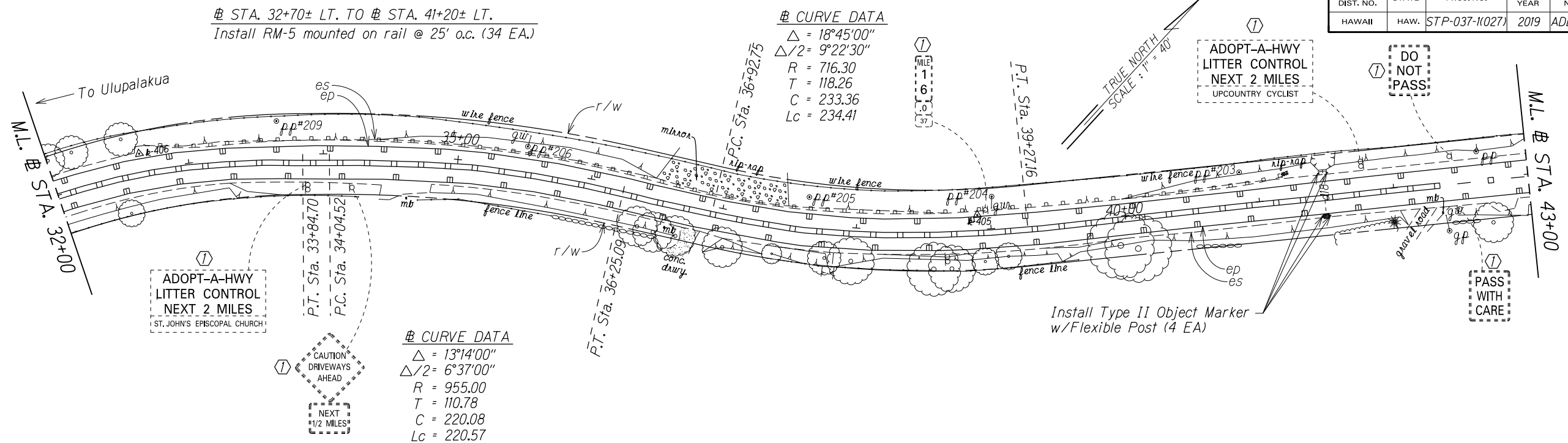
Omaopio Road to Sun Yat Sen Park

Federal-Aid Project No. STP-037-11027

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

SHEET No. 6 OF 22 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.20	35



NOTE:
Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

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)

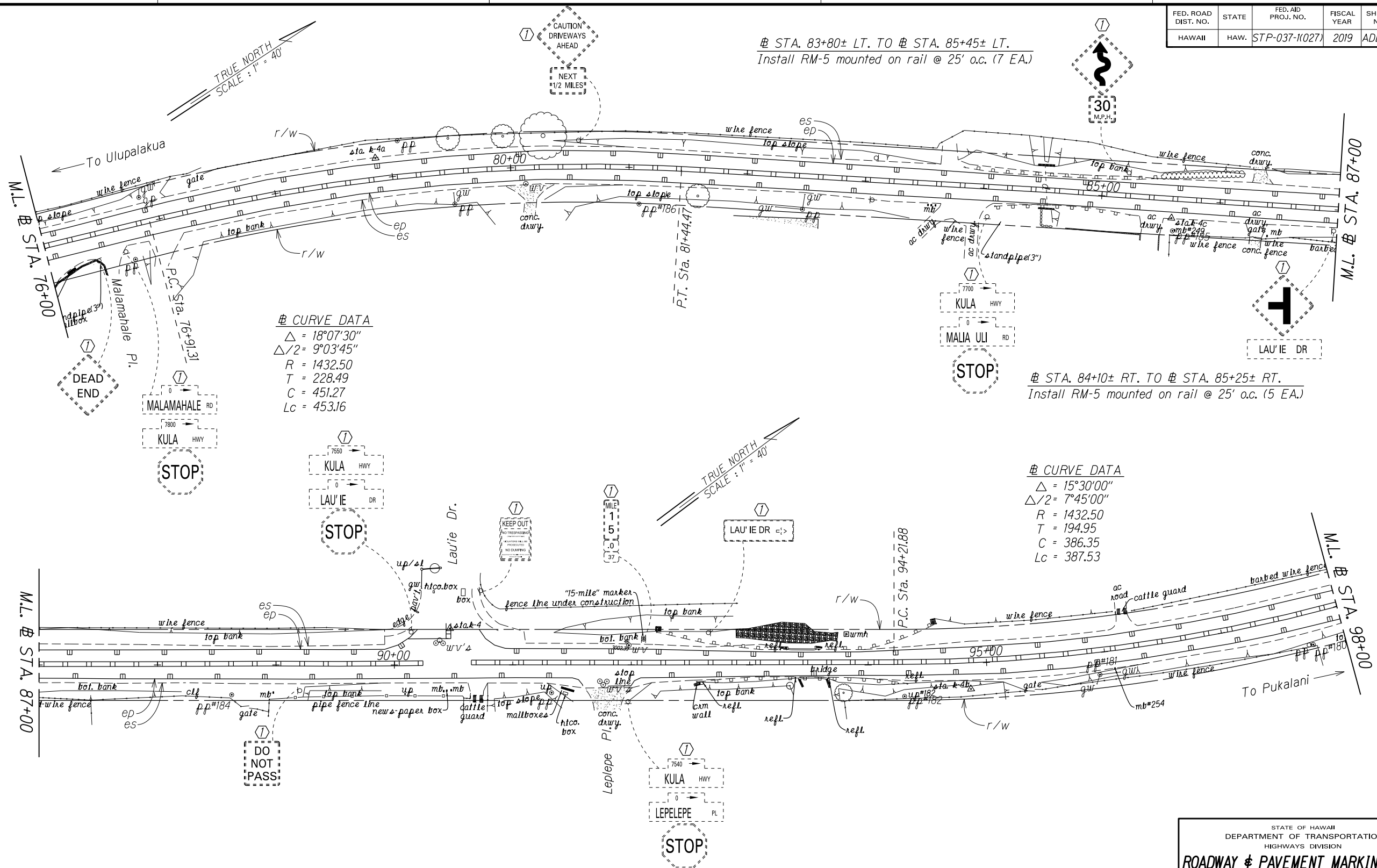
8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-11(027)	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 7 OF 22 SHEETS	

ADD. 20

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.22	35



NOTE:

Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

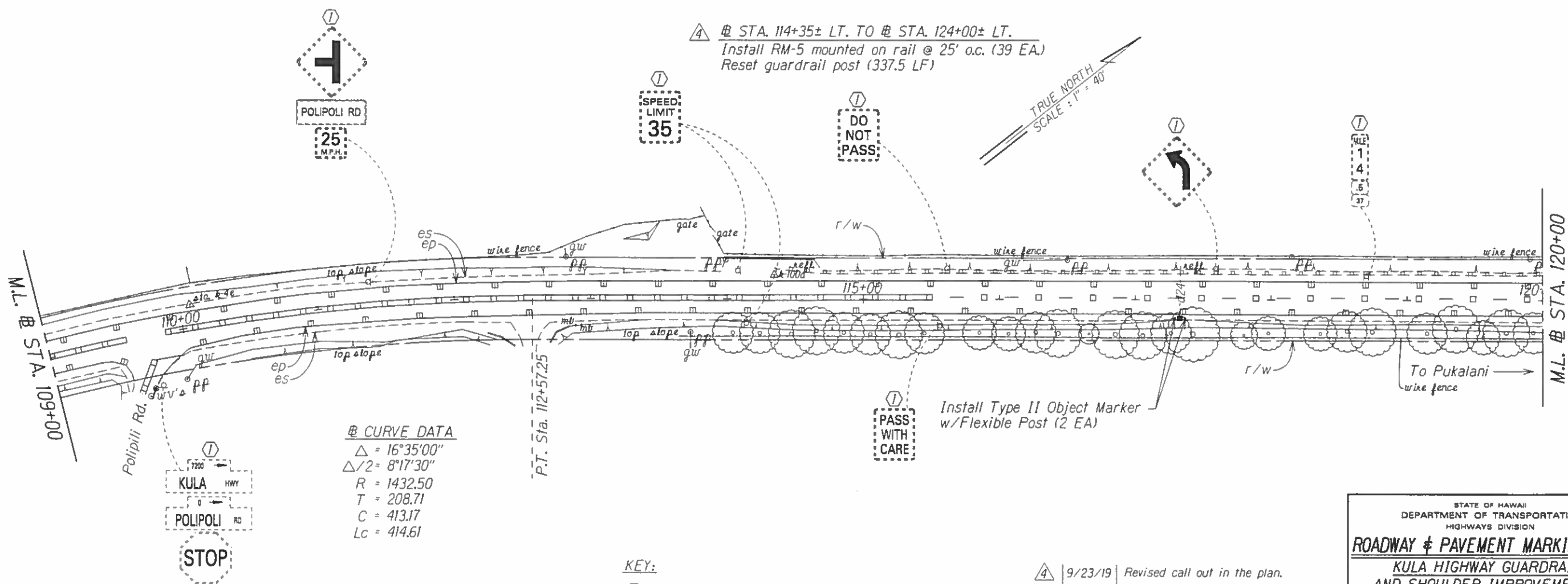
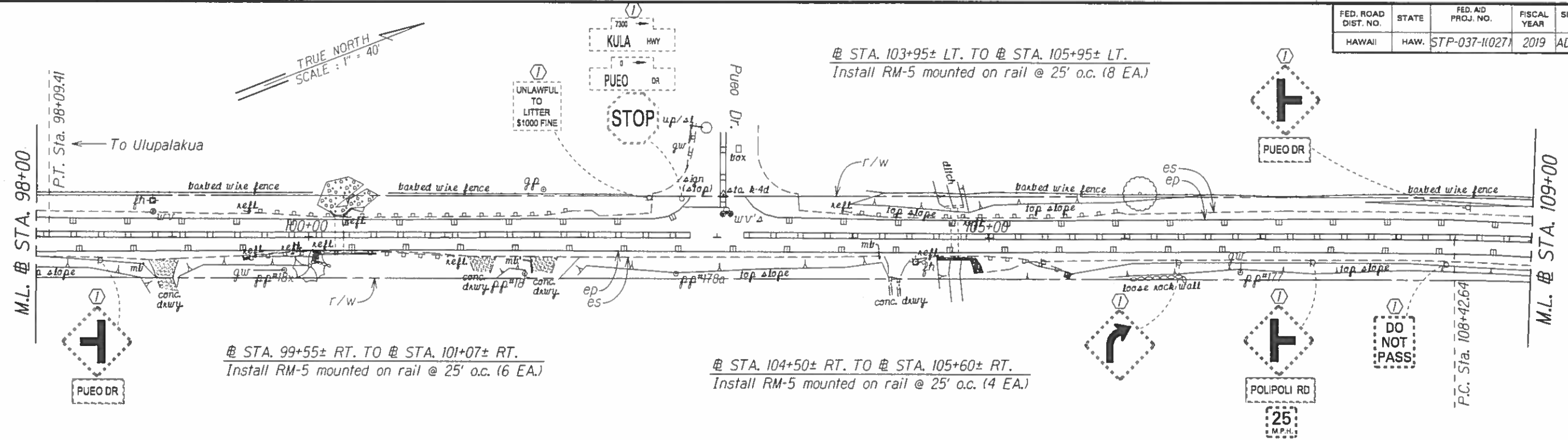
8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY & PAVEMENT MARKING PLAN
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
Omaopio Road to Sun Yat Sen Park
Federal-Aid Project No. STP-037-11(027)
Scale: 1" = 40' Date: September, 2018
SHEET No. 9 OF 22 SHEETS

ADD. 22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-110271	2019	ADD.23	35



@ CURVE DATA
 $\Delta = 16^\circ 35' 00''$
 $\Delta/2 = 8^\circ 17' 30''$
 $R = 1432.50$
 $T = 208.71$
 $C = 413.17$
 $L_c = 414.61$

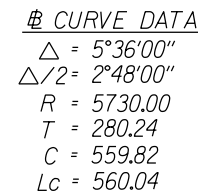
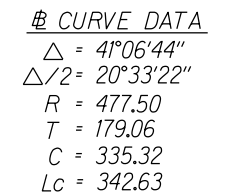
NOTE:
 Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c. Refer to Standard Plan Sheet TE-14.

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)

9/23/19	Revised call out in the plan.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY & PAVEMENT MARKING PLAN
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
Omaopio Road to Sun Yat Sen Park
Federal-Aid Project No. STP-037-110271
Scale: 1" = 40' Date: September, 2018
SHEET No. 10 OF 22 SHEETS



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)

<i>DATE</i>	<i>REVISION</i>
-------------	-----------------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

KULA HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS

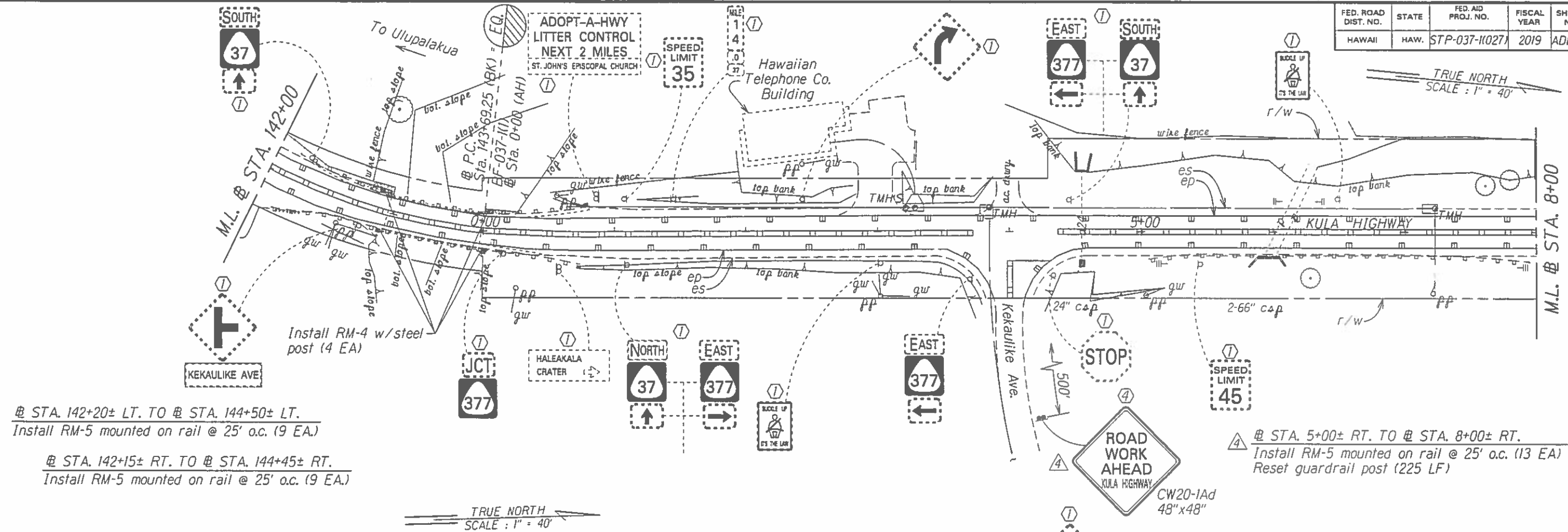
Omaopio Road to Sun Yat Sen Park
Federal-Aid Project No. STP-037-1(I027)

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

SHEET No. 11 OF 22 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-110271	2019	ADD.25	35

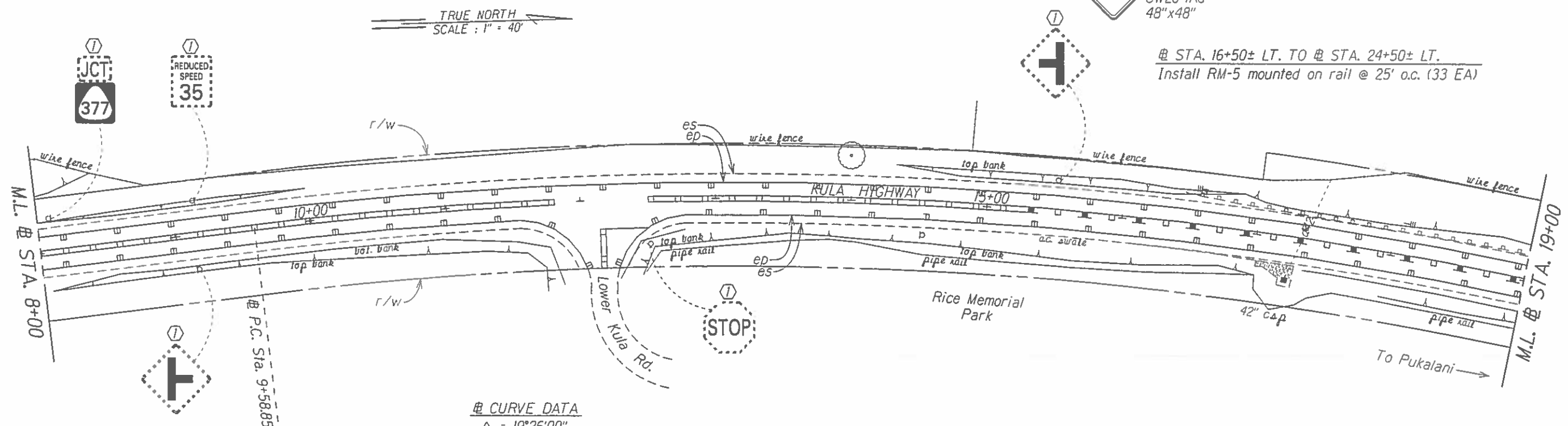


④ STA. 142+20± LT. TO STA. 144+50± LT.
Install RM-5 mounted on rail @ 25' o.c. (9 EA)

④ STA. 142+15± RT. TO STA. 144+45± RT.
Install RM-5 mounted on rail @ 25' o.c. (9 EA)

④ STA. 5+00± RT. TO STA. 8+00± RT.
Install RM-5 mounted on rail @ 25' o.c. (13 EA)
Reset guardrail post (225 LF)

④ STA. 16+50± LT. TO STA. 24+50± LT.
Install RM-5 mounted on rail @ 25' o.c. (33 EA)



④ CURVE DATA
Δ = 19°26'00"
R = 2864.79
T = 490.55
C = 967.02
Lc = 971.67
S. E. = 0.046 ft/ft

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)

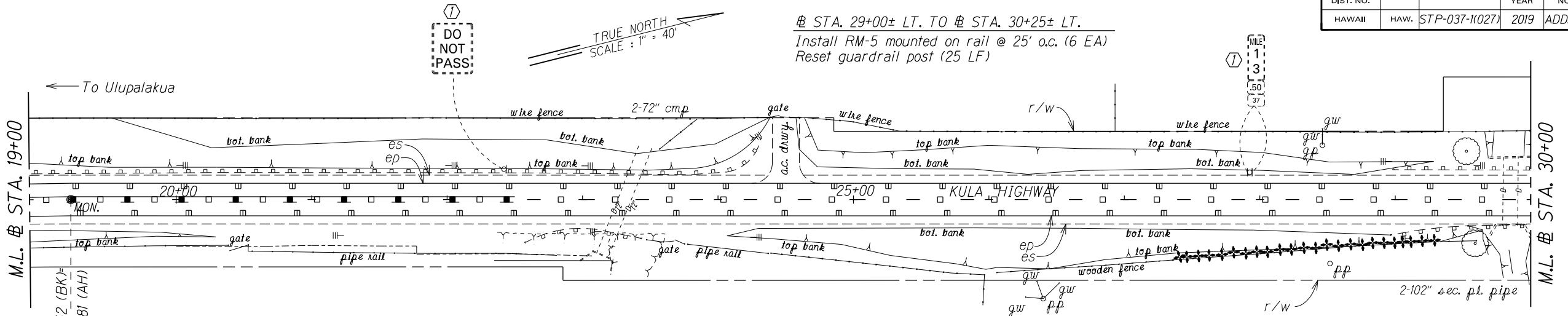
NOTE:

Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

DATE	REVISION
9/23/19	Revised call out on plan. Add Construction Sign.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.

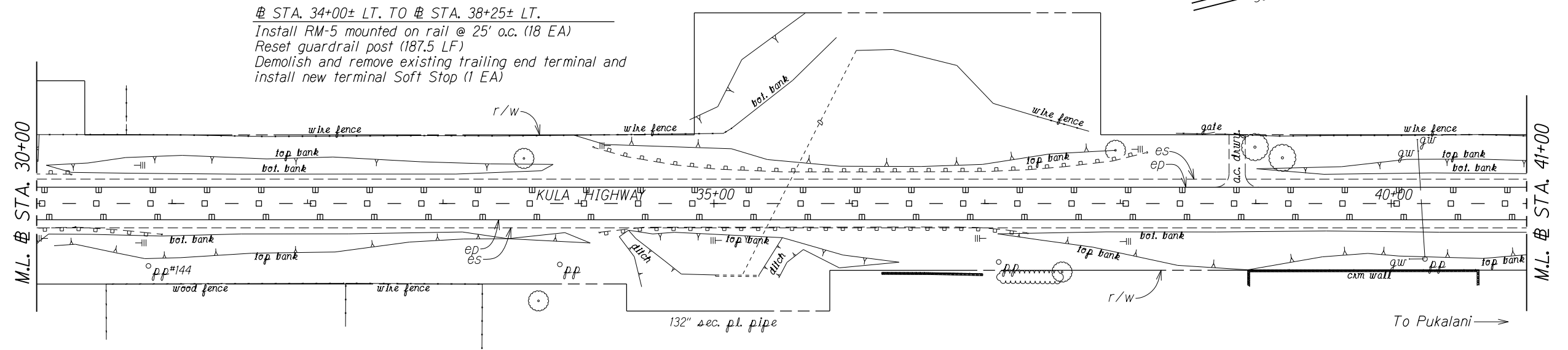
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-110271	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 12 OF 22 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.26	35



⊕ STA. 22+50± RT. TO ⊕ STA. 23+50± RT.
Install RM-5 mounted on rail @ 25' o.c. (5 EA)
Reset guardrail post (25 LF)

⊕ STA. 29+00± RT. TO ⊕ STA. 31+00± RT.
Install RM-5 mounted on rail @ 25' o.c. (9 EA)
Reset guardrail post (87.5 LF)



⊕ STA. 34+00± RT. TO ⊕ STA. 37+50± RT.
Install RM-5 mounted on rail @ 25' o.c. (15 EA)
Reset guardrail post (162.5 LF)

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:

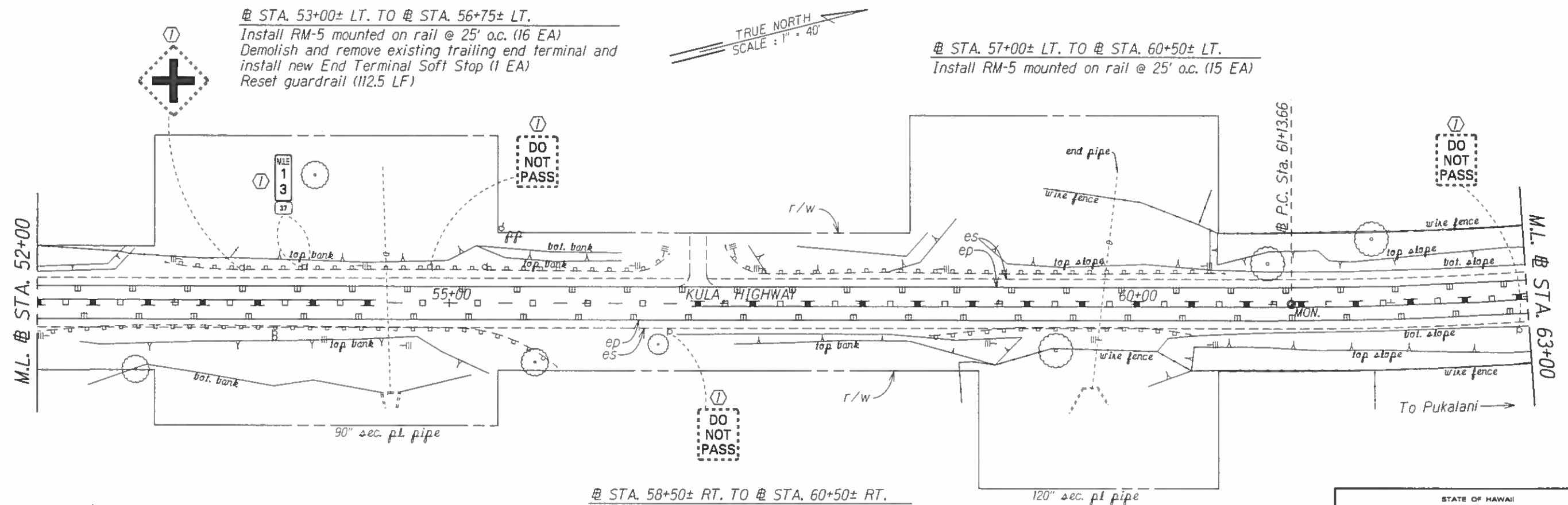
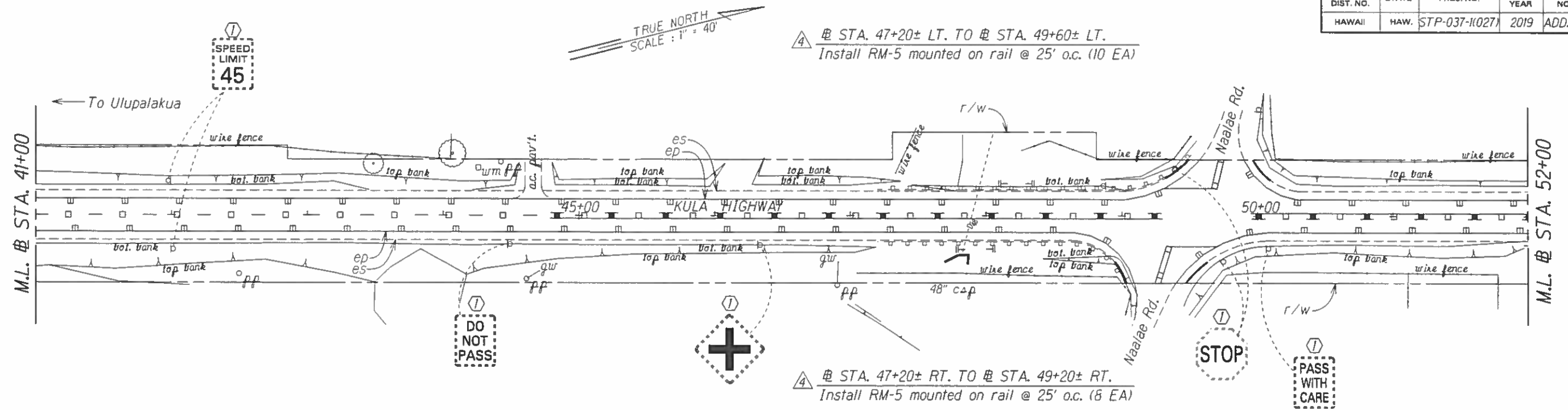
Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-11(027)	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 13 OF 22 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(027)	2019	ADD.27	35



④ STA. 52+00± RT. TO STA. 55+75± RT.
Install RM-5 mounted on rail @ 25' o.c. (16 EA)
Reset guardrail post (175 LF)

④ STA. 58+50± RT. TO STA. 60+50± RT.
Install RM-5 mounted on rail @ 25' o.c. (9 EA)
Reset guardrail post (100 LF)

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)

DATE	REVISION
9/23/19	Revised call out in the plan.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-1(027)	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 14 OF 22 SHEETS	

ADD. 27

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

NOTE:
Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-110271	2019	ADD.28	35

STA. 64+50± LT. TO # STA. 67+00± LT.

Install RM-5 mounted on rail @ 25' o.c. (11 EA)
Reset guardrail post (87.5 LF)

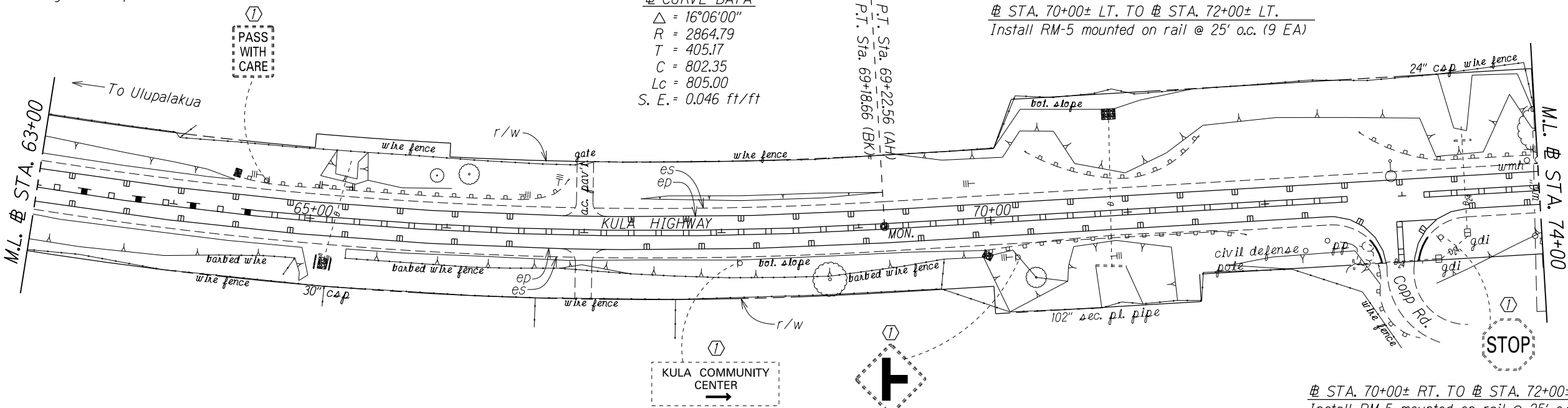
TRUE NORTH
SCALE : 1" = 40'

CURVE DATA

$\Delta = 16^{\circ}06'00''$
 $R = 2864.79$
 $T = 405.17$
 $C = 802.35$
 $Lc = 805.00$
 $S. E. = 0.046 \text{ ft/ft}$

STA. 70+00± LT. TO # STA. 72+00± LT.

Install RM-5 mounted on rail @ 25' o.c. (9 EA)



STA. 72+50± LT. TO # STA. 74+50± LT.

Install RM-5 mounted on rail @ 25' o.c. (9 EA)

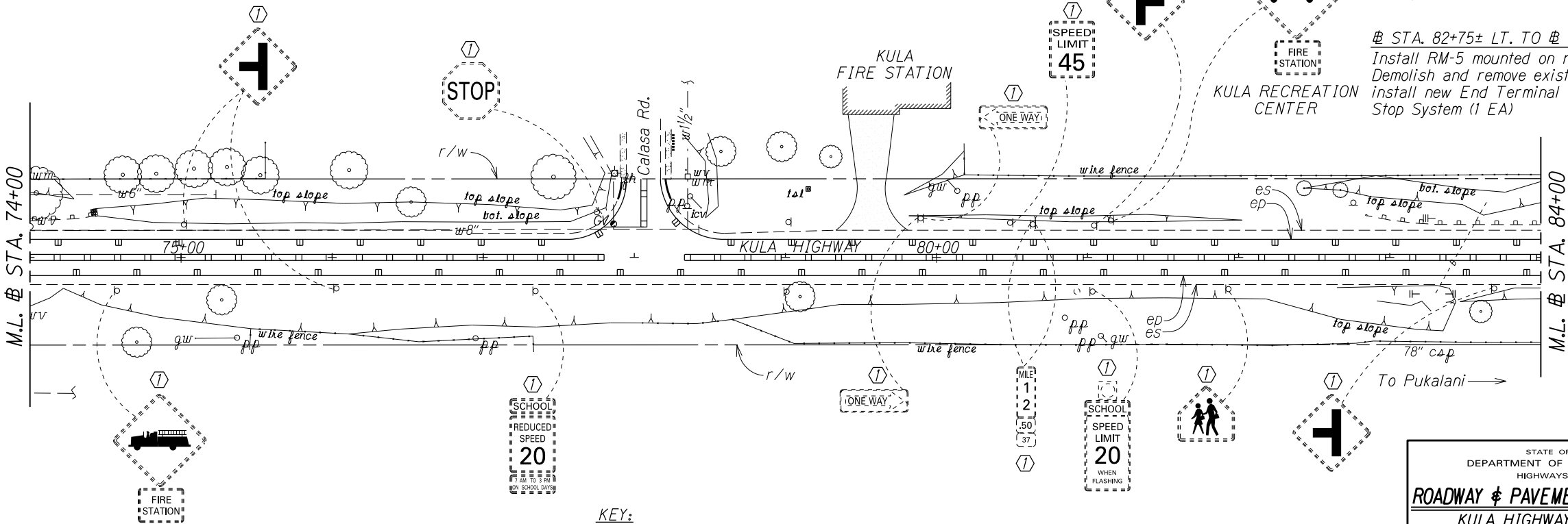
TRUE NORTH
SCALE : 1" = 40'

STA. 70+00± RT. TO # STA. 72+00± RT.

Install RM-5 mounted on rail @ 25' o.c. (9 EA)
Reset guardrail post (87.5 LF)
Demolish and remove existing trailing end and install new End Terminal Section Type Soft Stop System (1 EA)

STA. 82+75± LT. TO # STA. 86+50± LT.

Install RM-5 mounted on rail @ 25' o.c. (16 EA)
Demolish and remove existing trailing end and install new End Terminal Section Type Soft Stop System (1 EA)



NOTE:

Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

KEY:

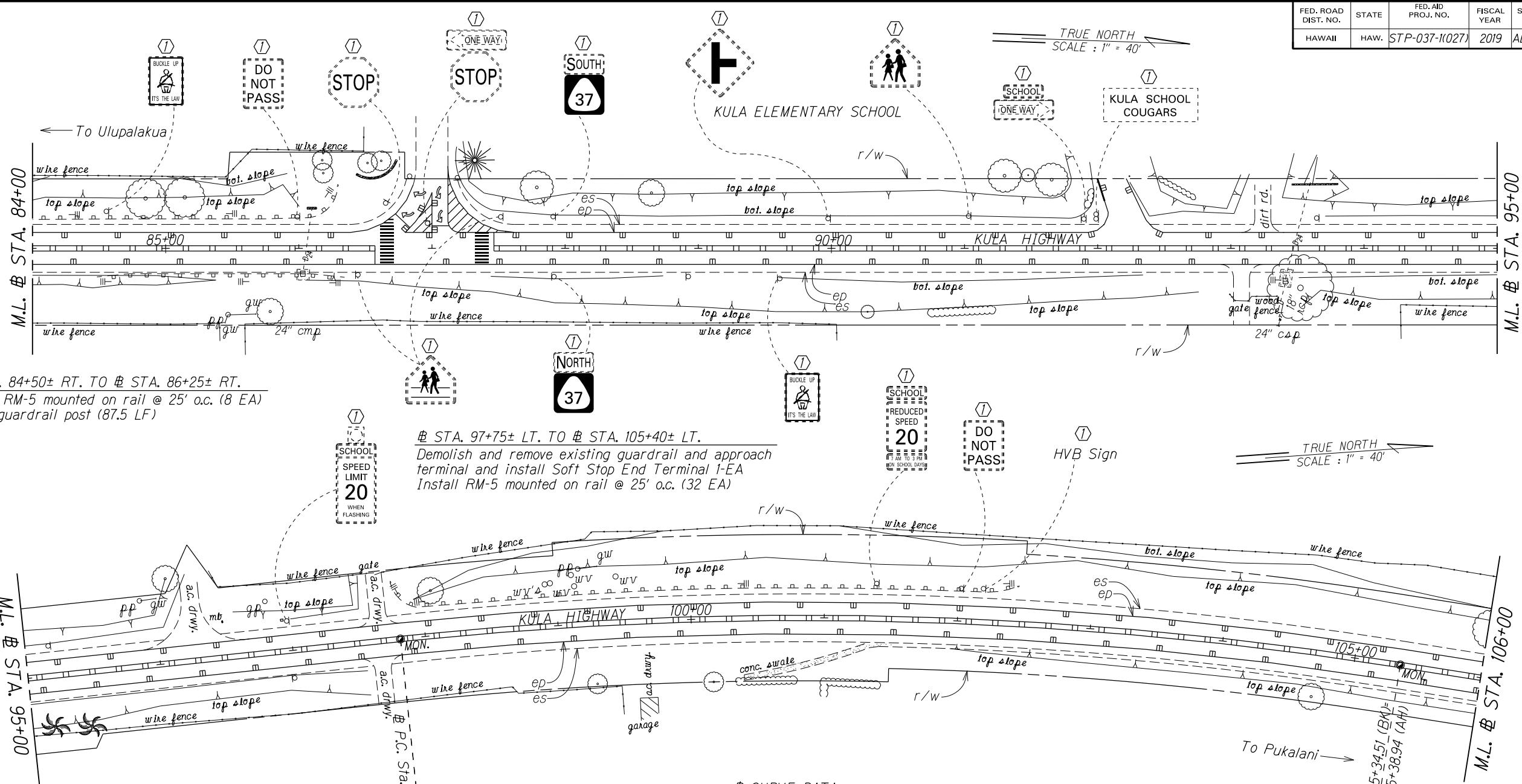
- ① Exist. Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) & Post(s)
- ③ Remove Exist. & Install New Sign(s) & Post(s)
- ④ Install New Sign(s) & Post(s)

8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-110271	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 15 OF 22 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.29	35



STA. 84+50± RT. TO # STA. 86+25± RT.
Install RM-5 mounted on rail @ 25' o.c. (8 EA)
Reset guardrail post (87.5 LF)

STA. 97+75± LT. TO # STA. 105+40± LT.
Demolish and remove existing guardrail and approach terminal and install Soft Stop End Terminal 1-EA
Install RM-5 mounted on rail @ 25' o.c. (32 EA)

CURVE DATA
Δ = 15°04'00"
R = 2864.79
T = 378.85
C = 751.17
Lc = 753.33
S. E. = 0.046 ft/ft

- 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:
Install RM-3 yellow with steel post behind existing guardrail @ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____

8/30/19	Issuing Sheet inadvertently left out from original Bid Set.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY & PAVEMENT MARKING PLAN

KULA HIGHWAY GUARDRAIL
AND SHOULDER IMPROVEMENTS

Omaopio Road to Sun Yat Sen Park

Federal-Aid Project No. STP-037-11(027)

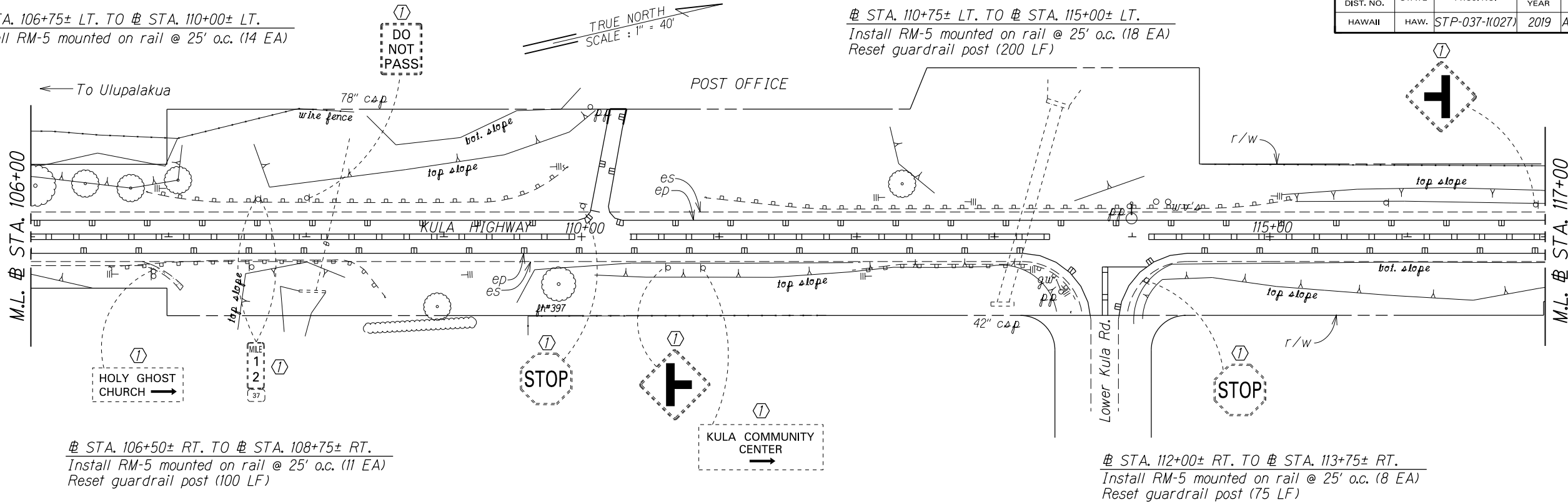
Scale: 1" = 40' Date: September, 2018

SHEET No. 16 OF 22 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.30	35

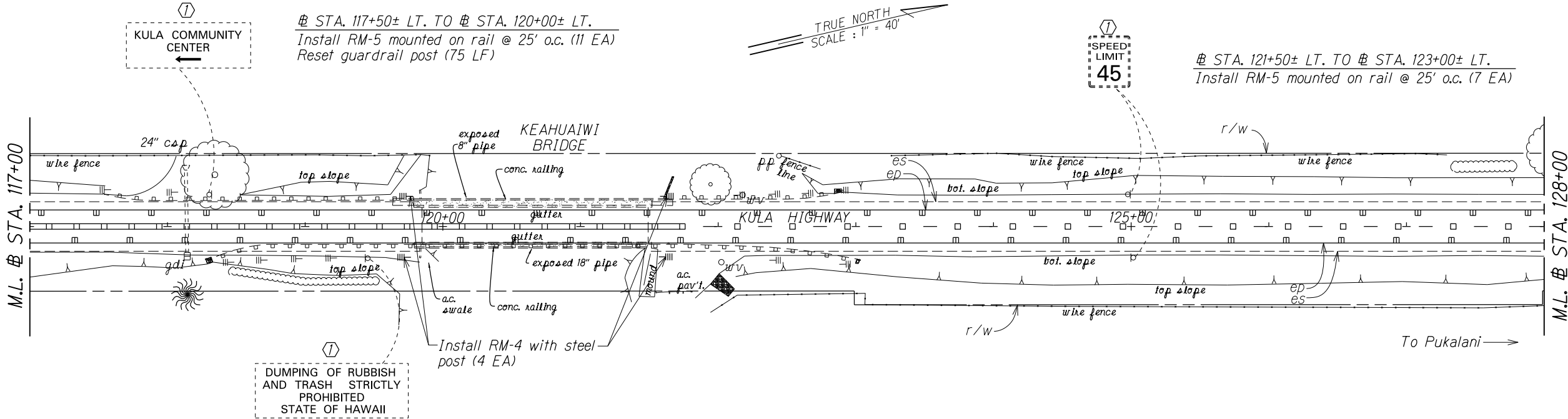
STA. 106+75± LT. TO # STA. 110+00± LT.
Install RM-5 mounted on rail @ 25' o.c. (14 EA)

STA. 110+75± LT. TO # STA. 115+00± LT.
Install RM-5 mounted on rail @ 25' o.c. (18 EA)
Reset guardrail post (200 LF)



STA. 106+50± RT. TO # STA. 108+75± RT.
Install RM-5 mounted on rail @ 25' o.c. (11 EA)
Reset guardrail post (100 LF)

STA. 112+00± RT. TO # STA. 113+75± RT.
Install RM-5 mounted on rail @ 25' o.c. (8 EA)
Reset guardrail post (75 LF)



STA. 118+25± RT. TO # STA. 123+00± RT.
Install RM-5 mounted on rail @ 25' o.c. (20 EA)
Reset guardrail post (75 LF)

STA. 121+50± LT. TO # STA. 123+00± LT.
Install RM-5 mounted on rail @ 25' o.c. (7 EA)

NOTE:
Install RM-3 yellow with steel post behind existing guardrail
@ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

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)

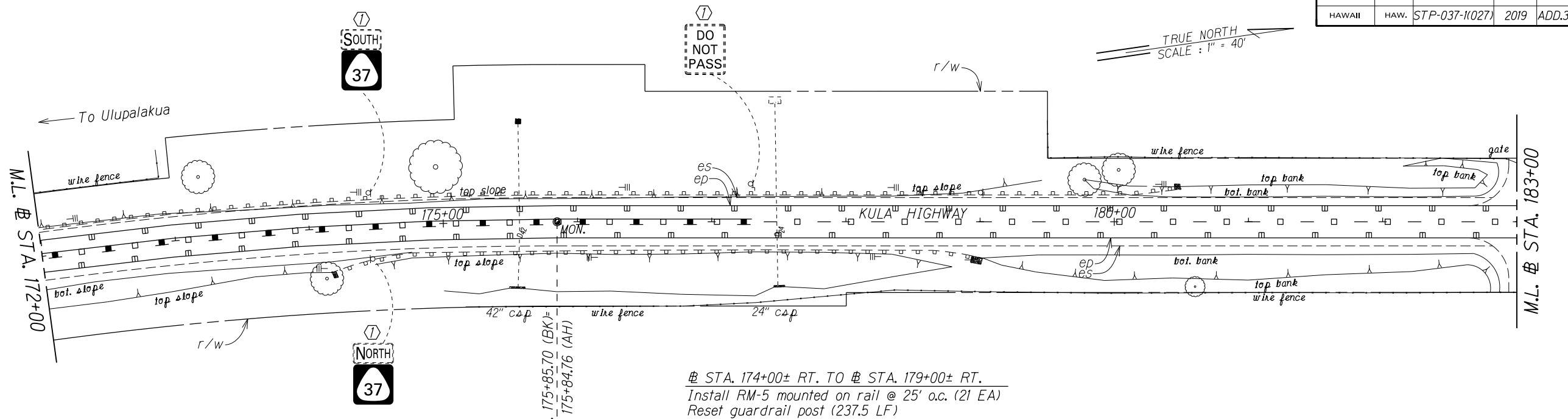
8/30/19 Issuing Sheet inadvertently left out
from original Bid Set.

DATE REVISION

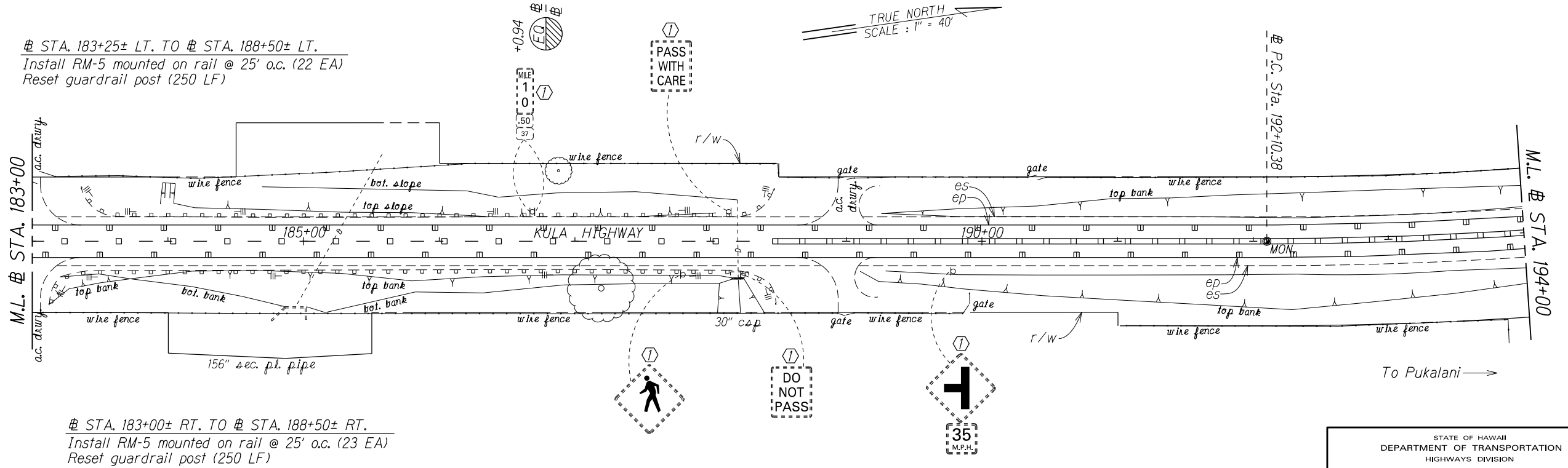
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-11(027)	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 17 OF 22 SHEETS	

ADD. 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.33	35



STA. 183+25± LT. TO STA. 188+50± LT.
Install RM-5 mounted on rail @ 25' o.c. (22 EA)
Reset guardrail post (250 LF)



STA. 183+00± RT. TO STA. 188+50± RT.
Install RM-5 mounted on rail @ 25' o.c. (23 EA)
Reset guardrail post (250 LF)

NOTE:
Install RM-3 yellow with steel post behind existing guardrail
@ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

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)

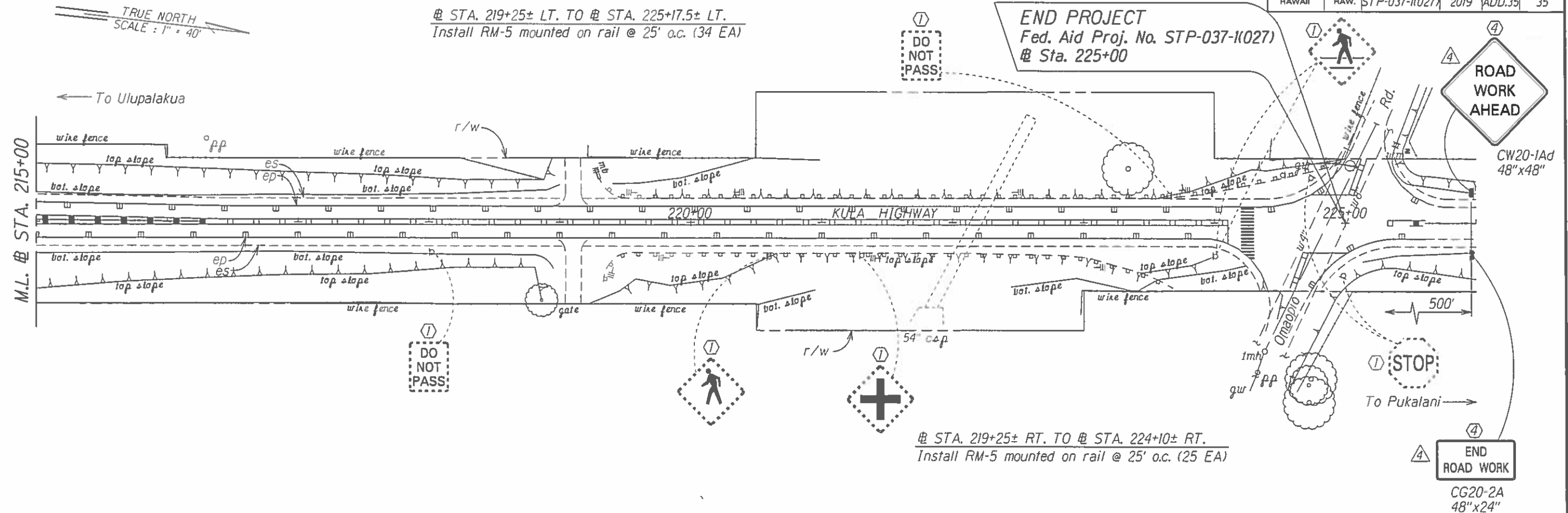
8/30/19 Issuing Sheet inadvertently left out from original Bid Set.

DATE REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY & PAVEMENT MARKING PLAN	
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS	
Omaopio Road to Sun Yat Sen Park	
Federal-Aid Project No. STP-037-11(027)	
Scale: 1" = 40'	Date: September, 2018
SHEET No. 20 OF 22 SHEETS	

ADD. 33

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-11(027)	2019	ADD.35	35



NOTE:
Install RM-3 yellow with steel post behind existing guardrail
@ 150 ft. o.c.. Refer to Standard Plan Sheet TE-14.

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)

9/23/19	Add Construction Signs.
8/30/19	Issuing Sheet inadvertently left out from original Bid Set.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
ROADWAY & PAVEMENT MARKING PLAN
KULA HIGHWAY GUARDRAIL AND SHOULDER IMPROVEMENTS
Omaopio Road to Sun Yat Sen Park
Federal-Aid Project No. STP-037-11(027)
Scale: 1" = 40' Date: September, 2018
SHEET No. 22 OF 22 SHEETS