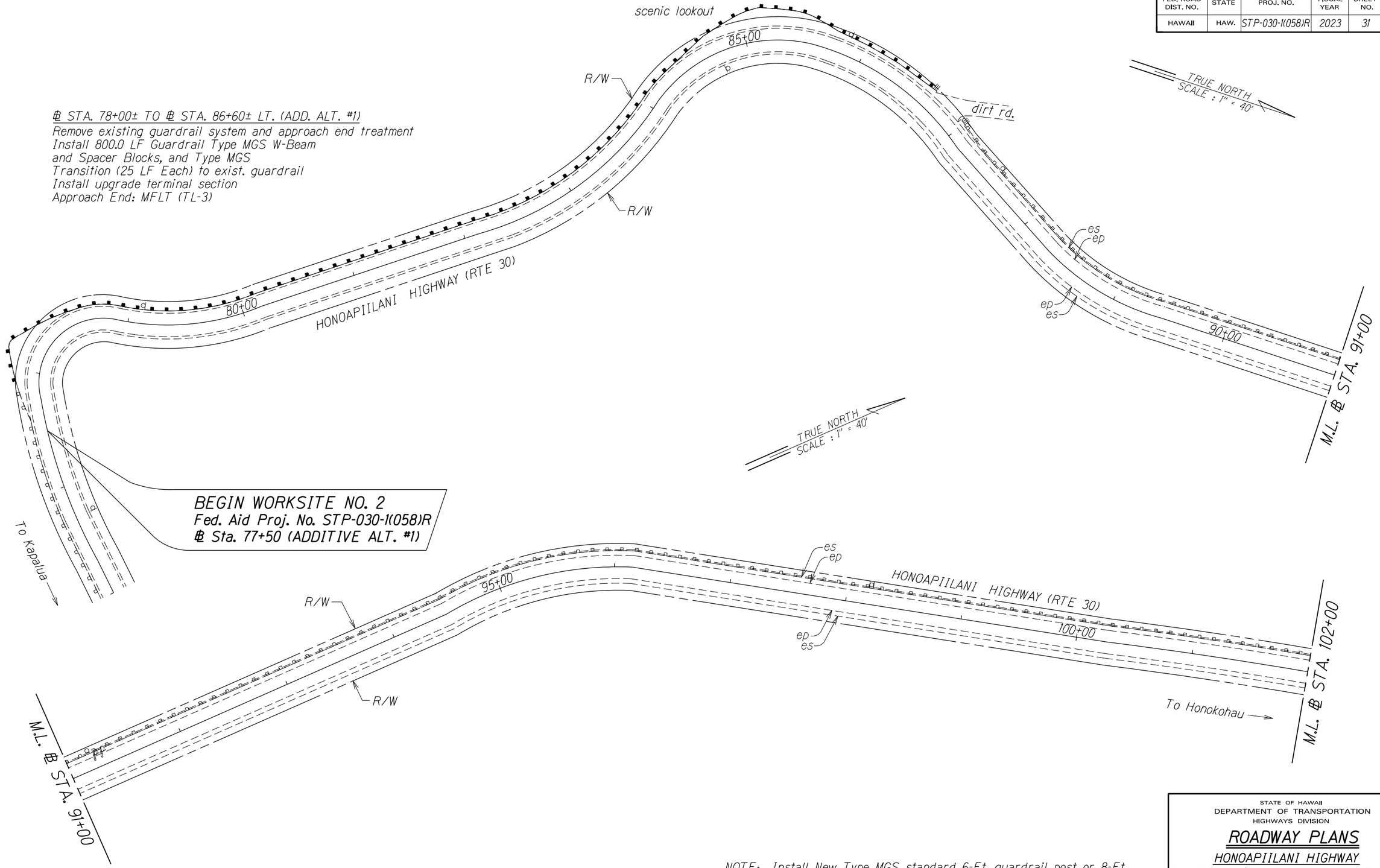
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	31	40



NOTE: Install New Type MGS standard 6-Ft. guardrail post or 8-Ft. guardrail post as required to adequately secure new guardrail system. Contractor shall abandon existing guardrail post in place as determined necessary to avoid damage to existing shoulder and/or slope area behind guardrail. Existing guardrail post to be abandoned in place shall be cut flush or below ground surface.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

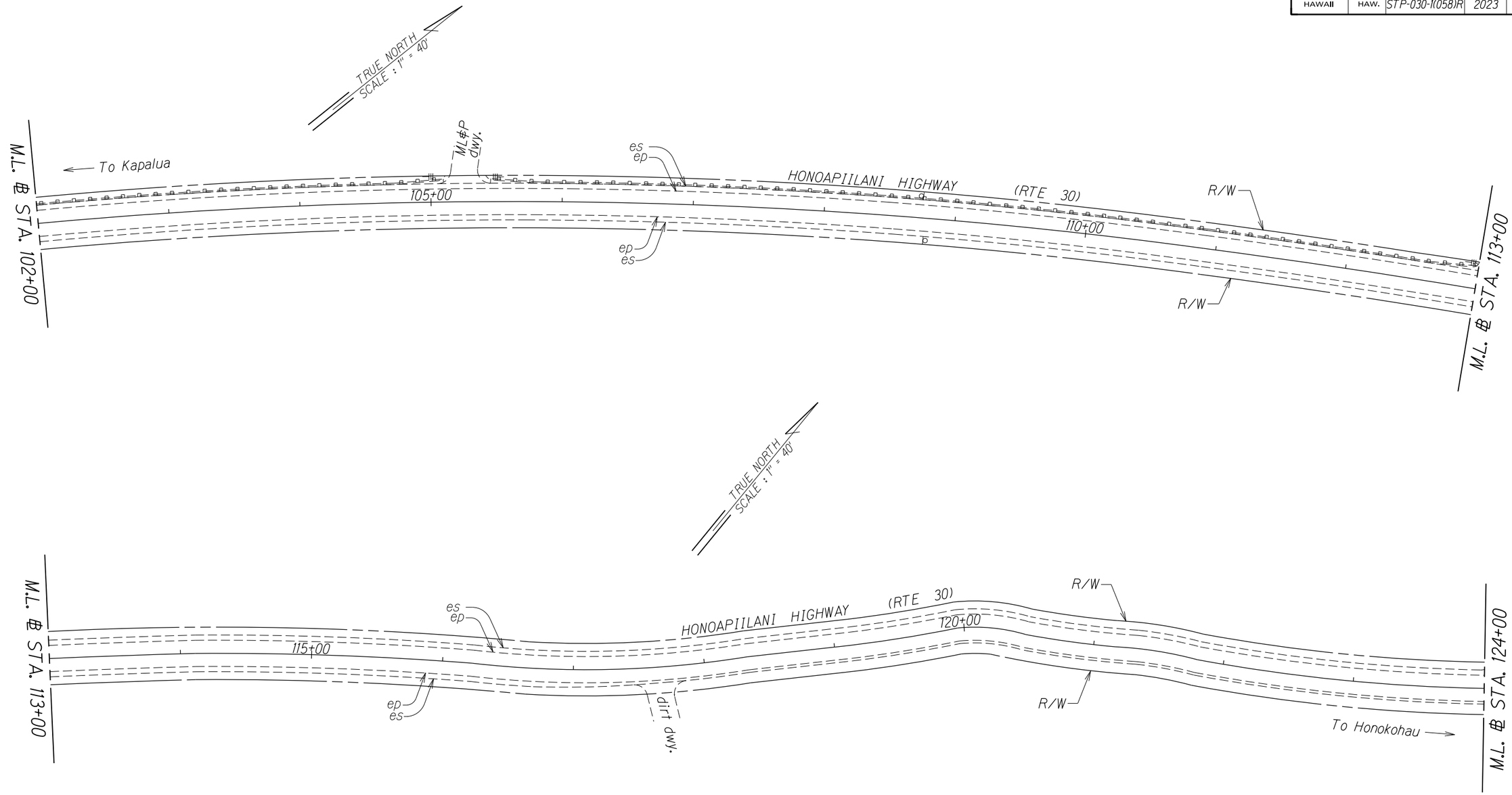
HONOAPIILANI HIGHWAY
GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R

Scale: 1" =40' Date: March, 2023

SHEET No. 11 OF 17 SHEETS

ORIGINAL PLAN
NOTE BOOK
N: mel.jay
jhnompil.dgn
SURVEY PLOTTED BY
DRAWN BY X
TRACED BY
DESIGNED BY LH
QUANTITIES BY
CHECKED BY
DATE 3/23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	32	40



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

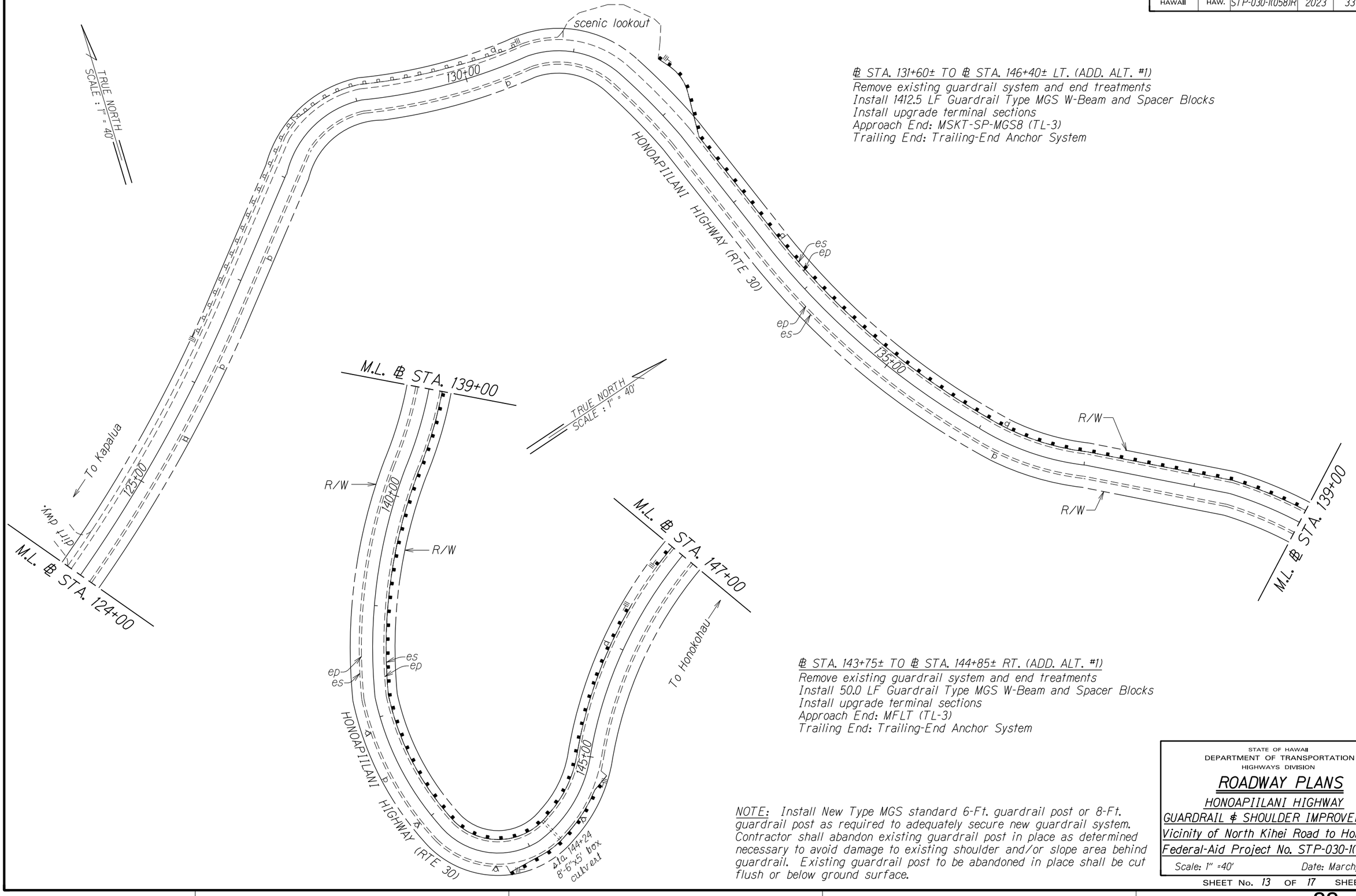
HONOAPIILANI HIGHWAY
GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R

Scale: 1" =40' Date: March, 2023

SHEET No. 12 OF 17 SHEETS

ORIGINAL PLAN
NOTE BOOK No. mel.jay jhnomp12.dgn
SURVEY PLOTTED BY
DRAWN BY X
TRACED BY
DESIGNED BY LH
QUANTITIES BY
CHECKED BY
DATE 3/23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	33	40



℄ STA. 131+60± TO ℄ STA. 146+40± LT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 1412.5 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MSKT-SP-MGS8 (TL-3)
Trailing End: Trailing-End Anchor System

℄ STA. 143+75± TO ℄ STA. 144+85± RT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 50.0 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MFLT (TL-3)
Trailing End: Trailing-End Anchor System

NOTE: Install New Type MGS standard 6-Ft. guardrail post or 8-Ft. guardrail post as required to adequately secure new guardrail system. Contractor shall abandon existing guardrail post in place as determined necessary to avoid damage to existing shoulder and/or slope area behind guardrail. Existing guardrail post to be abandoned in place shall be cut flush or below ground surface.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

HONOAPIILANI HIGHWAY
GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R

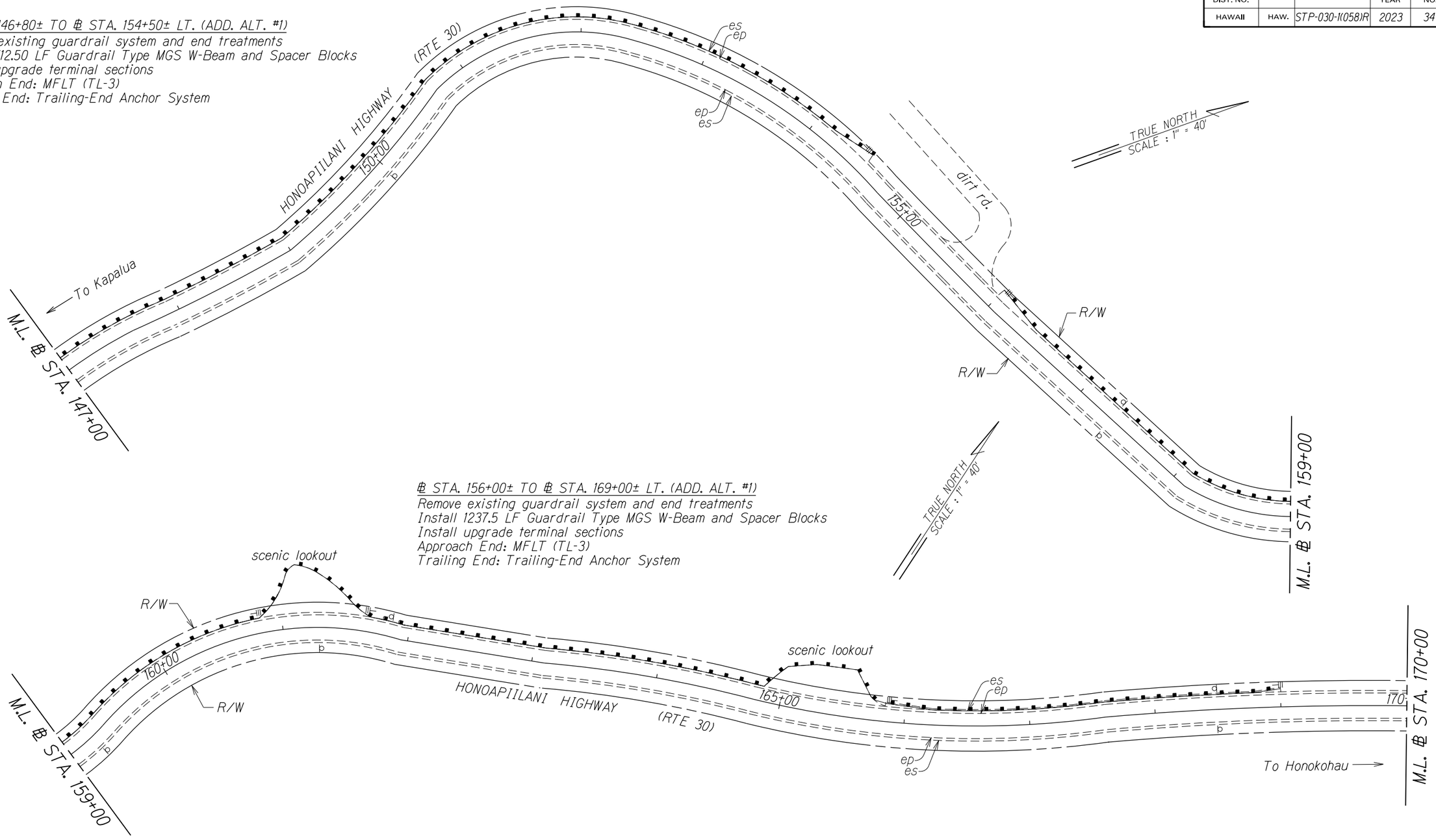
Scale: 1" =40' Date: March, 2023

SHEET No. 13 OF 17 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY X | TRACED BY | DESIGNED BY LH | QUANTITIES BY | CHECKED BY | DATE 3/23
NOTE BOOK No. mel.jay ihnomp13.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	34	40

℄ STA. 146+80± TO ℄ STA. 154+50± LT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 712.50 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MFLT (TL-3)
Trailing End: Trailing-End Anchor System



℄ STA. 156+00± TO ℄ STA. 169+00± LT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 1237.5 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MFLT (TL-3)
Trailing End: Trailing-End Anchor System

NOTE: Install New Type MGS standard 6-Ft. guardrail post or 8-Ft. guardrail post as required to adequately secure new guardrail system. Contractor shall abandon existing guardrail post in place as determined necessary to avoid damage to existing shoulder and/or slope area behind guardrail. Existing guardrail post to be abandoned in place shall be cut flush or below ground surface.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

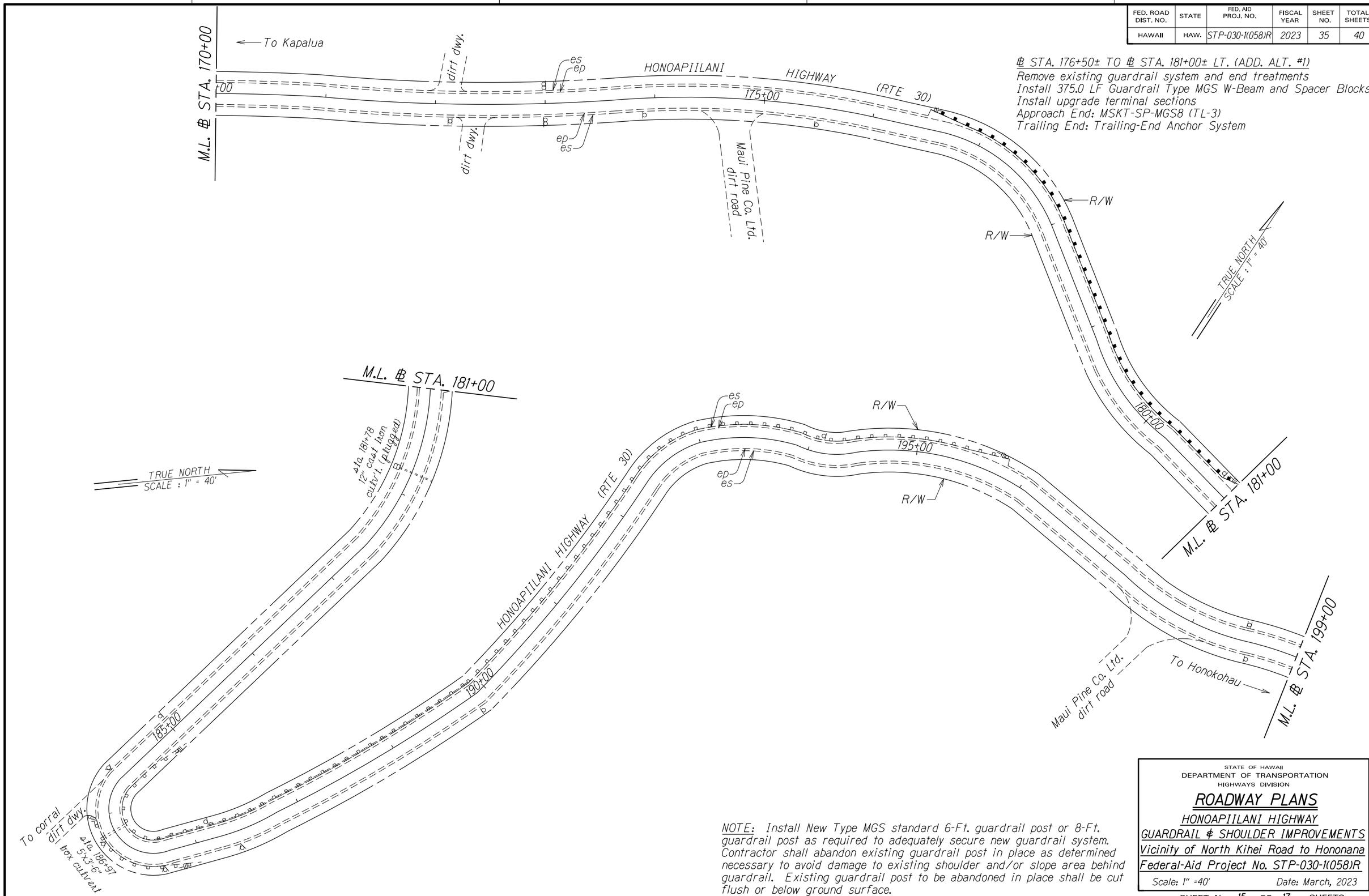
ROADWAY PLANS
HONOAPIILANI HIGHWAY
GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R
Scale: 1" =40' Date: March, 2023

SHEET No. 14 OF 17 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY X | TRACED BY | DESIGNED BY LH | QUANTITIES BY | CHECKED BY | DATE 3/23 | NOTE BOOK mel.jay | N:\hnomp\14dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	35	40

℄ STA. 176+50± TO ℄ STA. 181+00± LT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 375.0 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MSKT-SP-MGS8 (TL-3)
Trailing End: Trailing-End Anchor System



NOTE: Install New Type MGS standard 6-Ft. guardrail post or 8-Ft. guardrail post as required to adequately secure new guardrail system. Contractor shall abandon existing guardrail post in place as determined necessary to avoid damage to existing shoulder and/or slope area behind guardrail. Existing guardrail post to be abandoned in place shall be cut flush or below ground surface.

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HIGHWAYS DIVISION

ROADWAY PLANS

HONOAPIILANI HIGHWAY
GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R

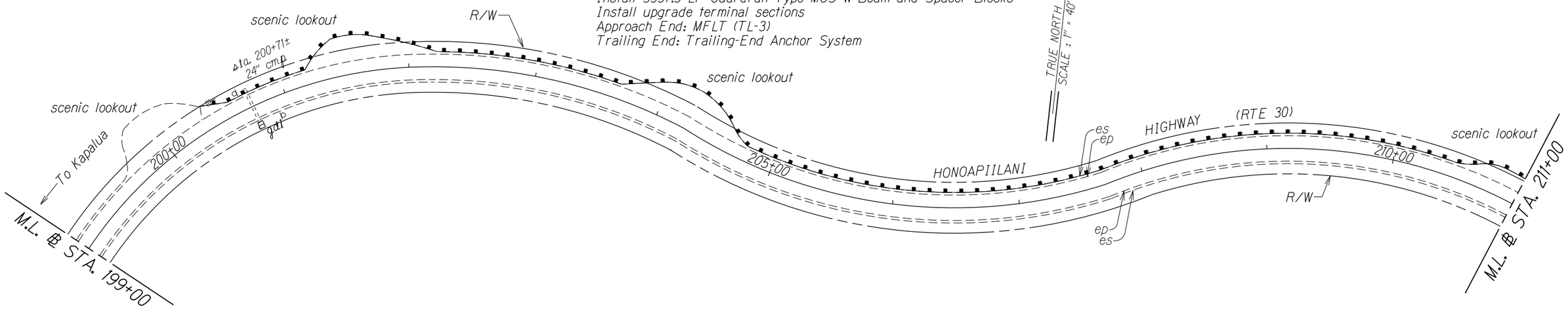
Scale: 1" =40' Date: March, 2023

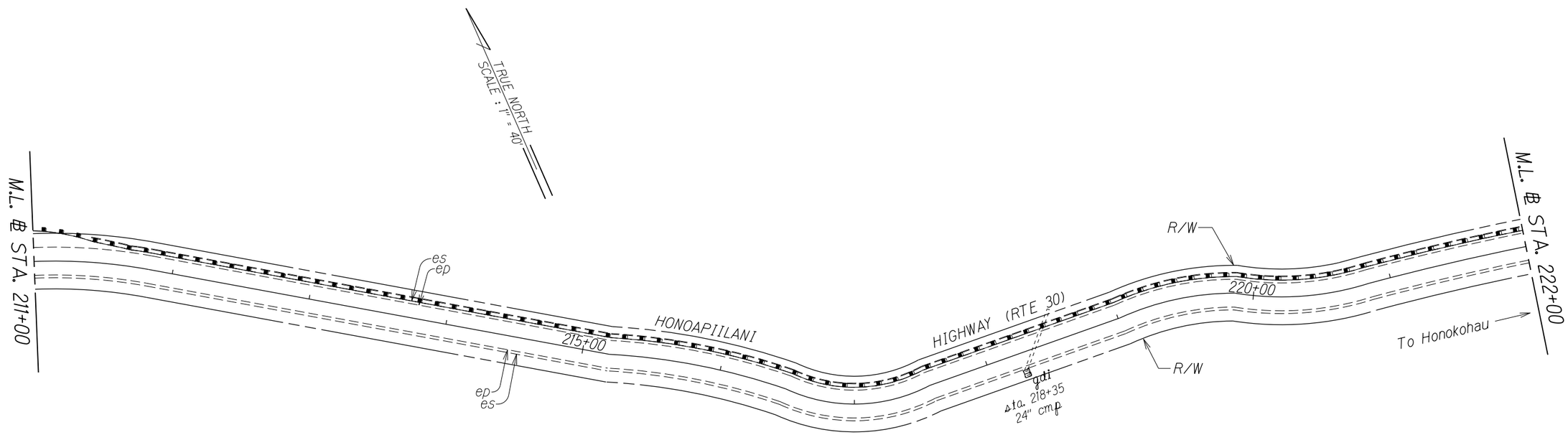
SHEET No. 15 OF 17 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY X | TRACED BY | DESIGNED BY LH | QUANTITIES BY | CHECKED BY | DATE 3/23 | NOTE BOOK No. melay ibnomp15.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	36	40

℄ STA. 200+50± TO ℄ STA. 234+50± LT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 3337.5 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MFLT (TL-3)
Trailing End: Trailing-End Anchor System





NOTE: Install New Type MGS standard 6-Ft. guardrail post or 8-Ft. guardrail post as required to adequately secure new guardrail system. Contractor shall abandon existing guardrail post in place as determined necessary to avoid damage to existing shoulder and/or slope area behind guardrail. Existing guardrail post to be abandoned in place shall be cut flush or below ground surface.

STATE OF HAWAII
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ROADWAY PLANS

HONOAPIILANI HIGHWAY
GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R

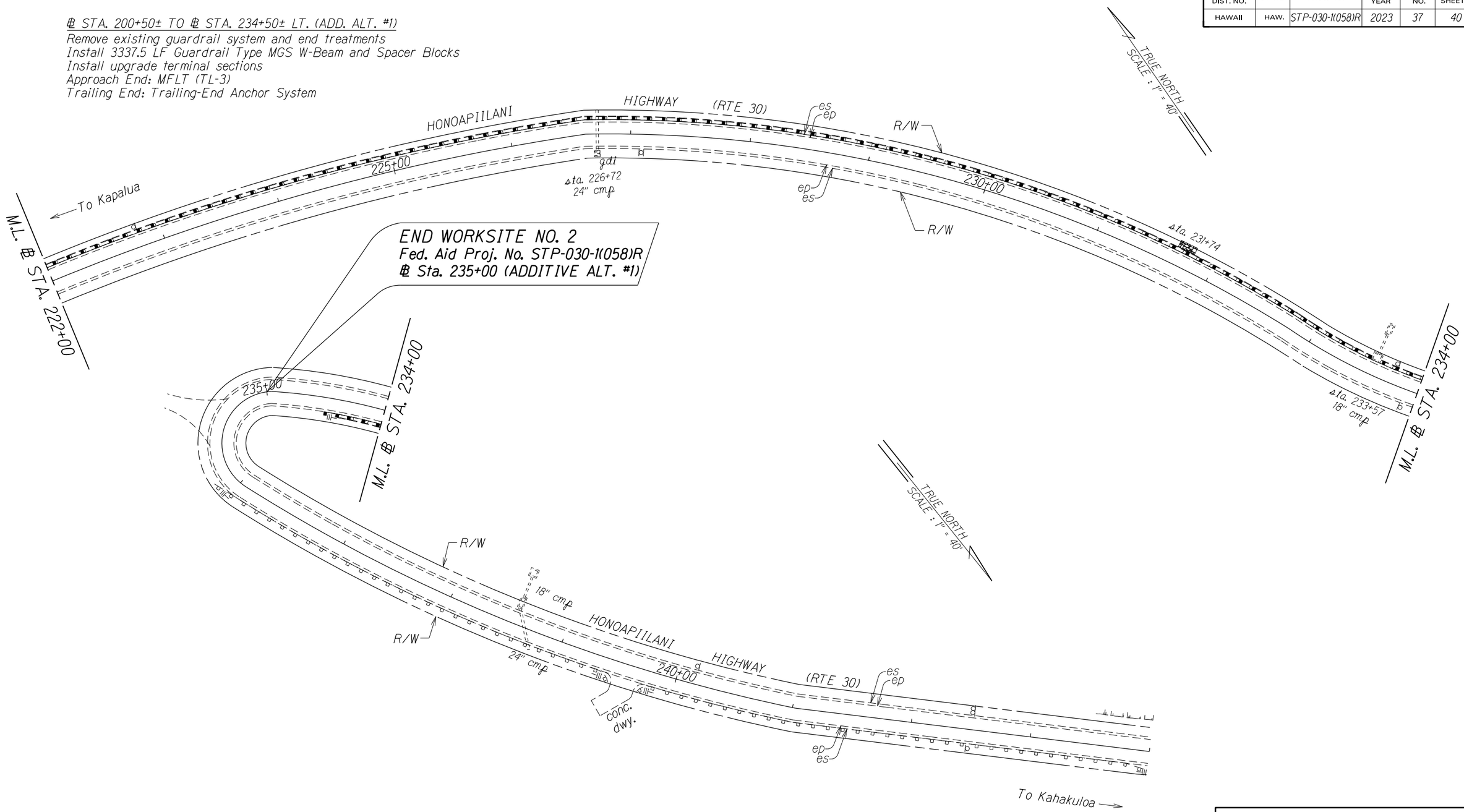
Scale: 1" =40' Date: March, 2023

SHEET No. 16 OF 17 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY X | TRACED BY | DESIGNED BY LH | QUANTITIES BY | CHECKED BY | DATE 3/23
NOTE BOOK
meljay
jhnomp16.dgn

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(058)R	2023	37	40

℄ STA. 200+50± TO ℄ STA. 234+50± LT. (ADD. ALT. #1)
Remove existing guardrail system and end treatments
Install 3337.5 LF Guardrail Type MGS W-Beam and Spacer Blocks
Install upgrade terminal sections
Approach End: MFLT (TL-3)
Trailing End: Trailing-End Anchor System



NOTE: Install New Type MGS standard 6-Ft. guardrail post or 8-Ft. guardrail post as required to adequately secure new guardrail system. Contractor shall abandon existing guardrail post in place as determined necessary to avoid damage to existing shoulder and/or slope area behind guardrail. Existing guardrail post to be abandoned in place shall be cut flush or below ground surface.

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GUARDRAIL & SHOULDER IMPROVEMENTS
Vicinity of North Kihei Road to Hononana
Federal-Aid Project No. STP-030-1(058)R

Scale: 1" =40' Date: March, 2023

SHEET No. 17 OF 17 SHEETS

ORIGINAL PLAN | NOTE BOOK No. mel.jay jhnomp17.dgn | SURVEY PLOTTED BY | DRAWN BY X | TRACED BY | DESIGNED BY LH | QUANTITIES BY | CHECKED BY | DATE 3/23