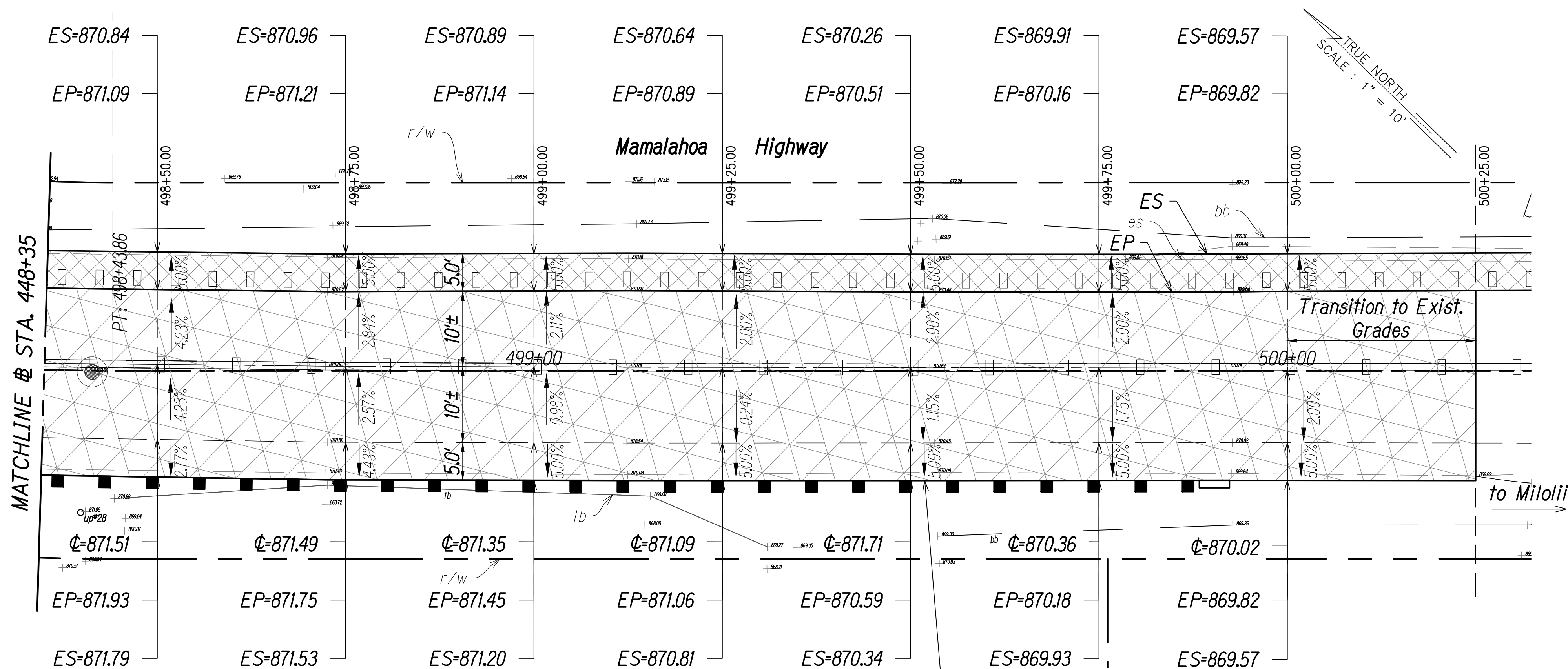
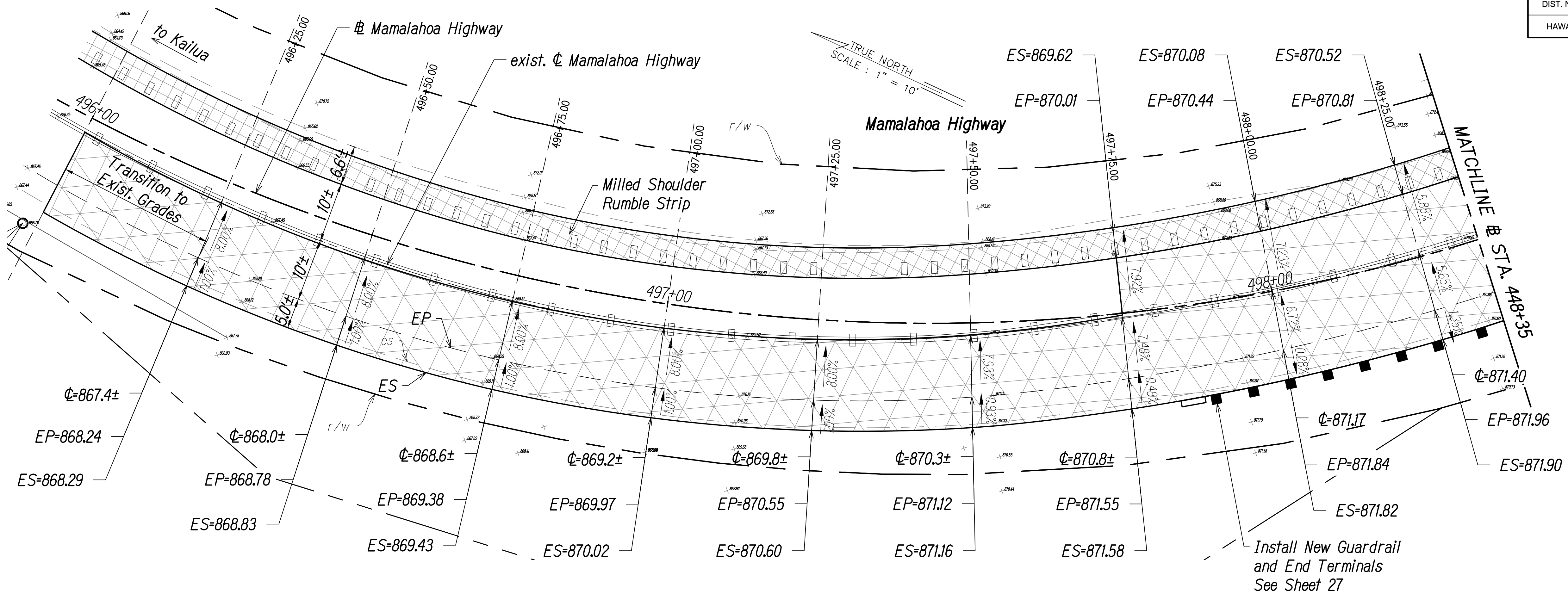
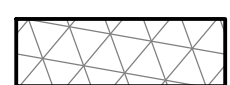


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023		114

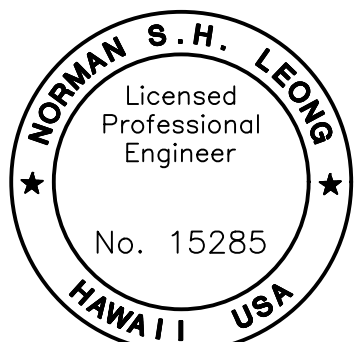


NOTES:

- See Sheet 44 for Superelevation Diagram.
- See Sheet 45 for Cross Sections at 50' Intervals.

-  Widen Exist. Shoulder
-  Roadway Pavement Reconstruction

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	" "
CHECKED BY	DESIGNED BY	" "
No.	QUANTITIES BY	" "



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Norman S. H. Leong

Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ROADWAY
RECONSTRUCTION PLAN**

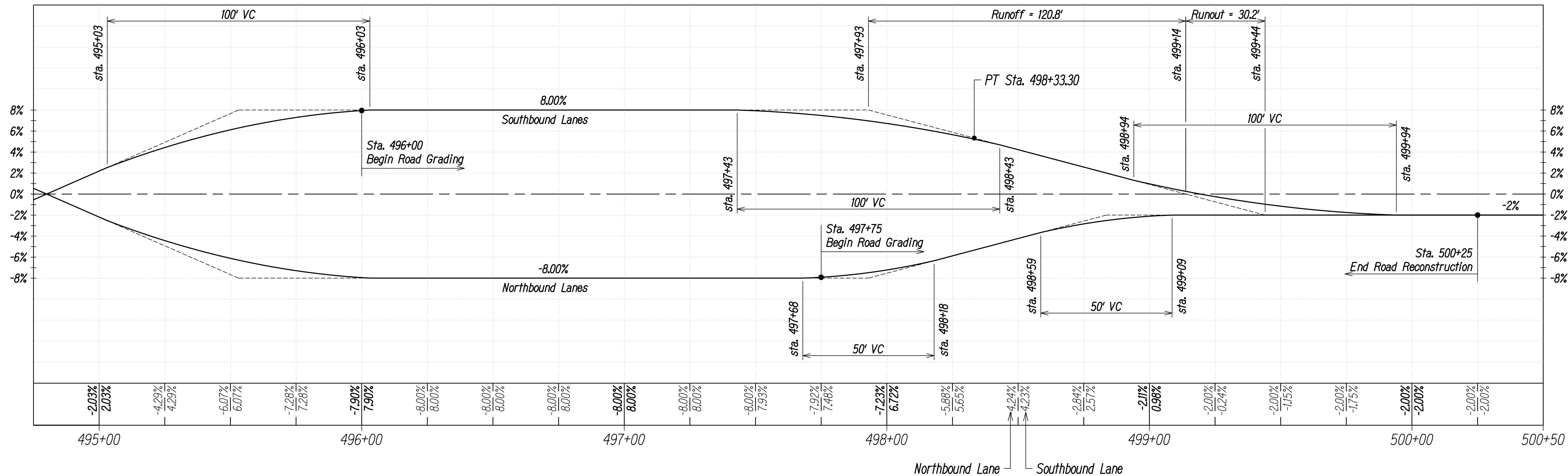
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS

Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)

Scale: 1"=10' Date: September 2023

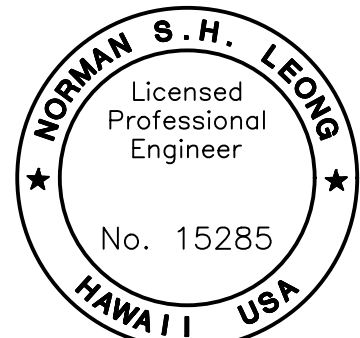
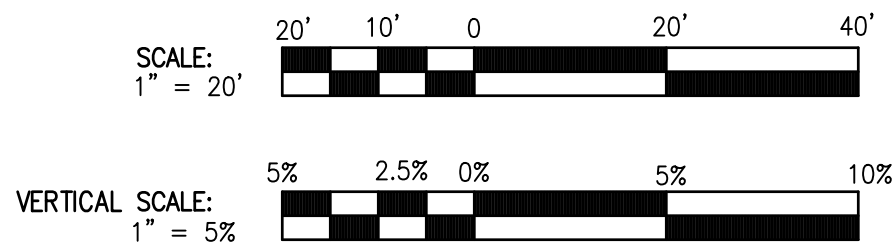
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	45	114



SUPERELEVATION PROFILE OF CURVE NEAR MP 101
PC Sta. 495+12.93 to PT Sta. 498+33.30

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY
RECONSTRUCTION PLAN
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: As Shown Date: September 2023

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	45	70

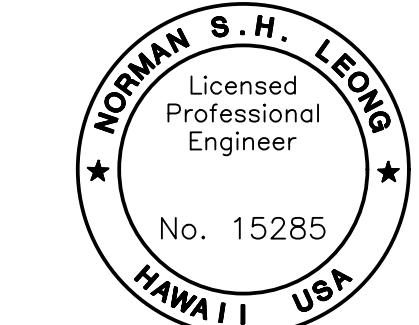
- NOTES:**
- New shoulder slopes shall be 5.0% through the Road Reconstruction area unless otherwise noted on cross sections.
 - ACB may be used in lieu of fill material where guardrail post is not required.

Volumes based on End Area Method for Road Reconstruction Areas only.

Net PMA Volume: 135 Ton
Net ACB Volume: 335 Ton
Net Agg Base Volume: 27 CY
Net Fill Volume: 18 CY

- LEGEND:**
- PMA Mix No. IV Pavement
 - HMA Base Course
 - Aggregate Base
 - Embankment (Fill)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"



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