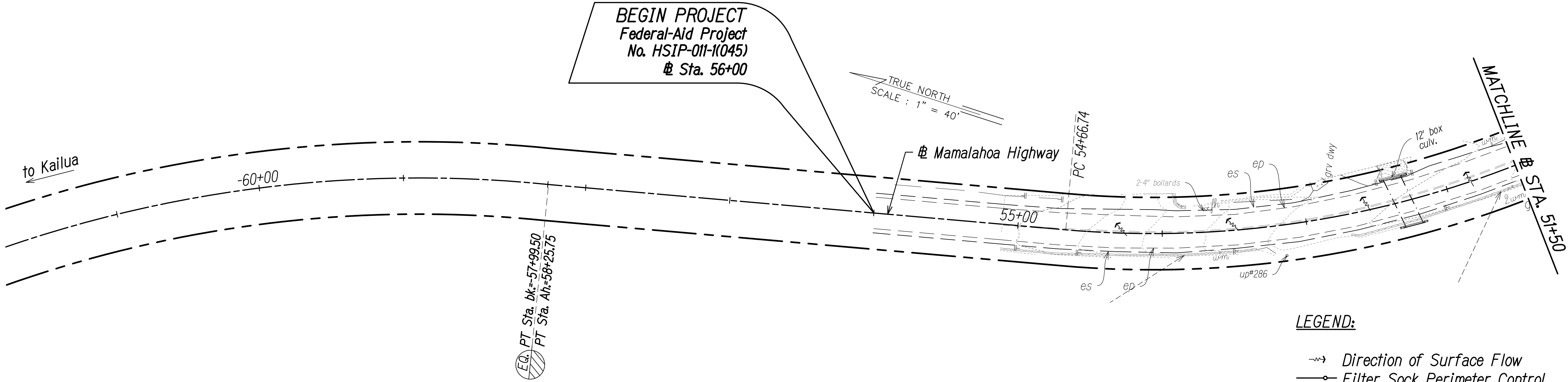
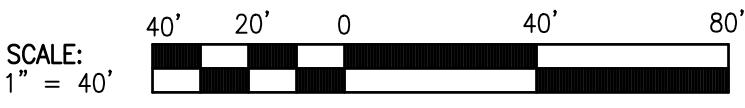
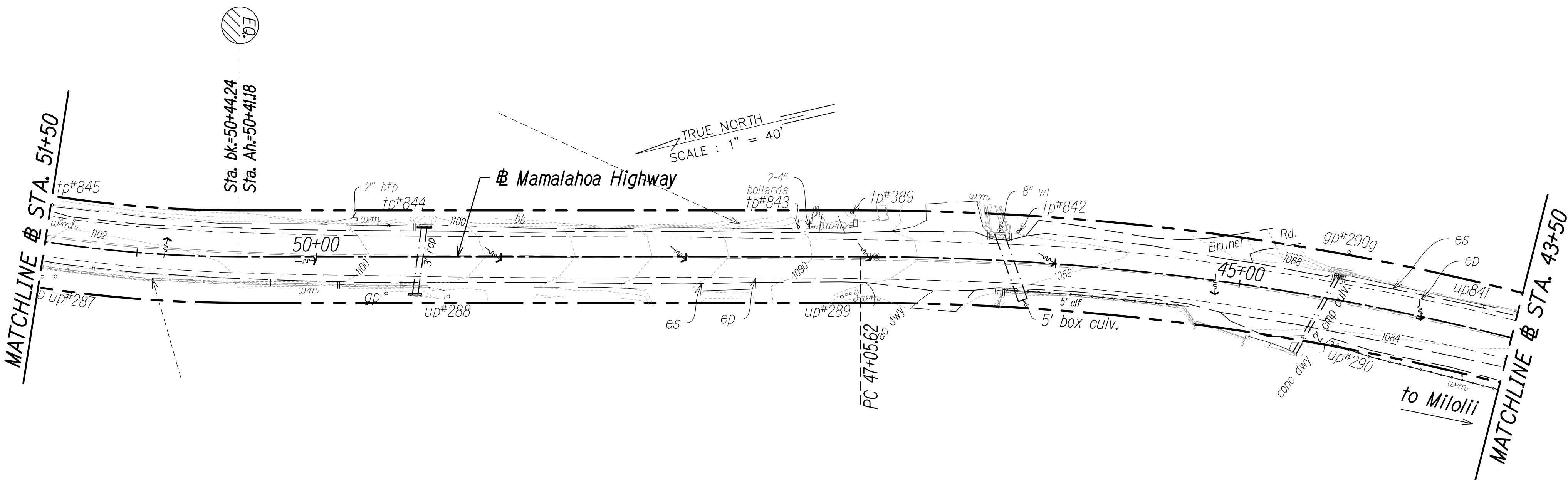


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	89	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - - - Existing Contour
 - ⊞ Grated Drain Inlet Protection

- NOTES:**
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 2. Protect all catch basins, grated drain inlets, sales, driveways, side roads, etc. that may be affected by stormwater runoff as a result of construction work.



NORMAN S. H. LEONG

Licensed Professional Engineer

No. 15285

HAWAII USA

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

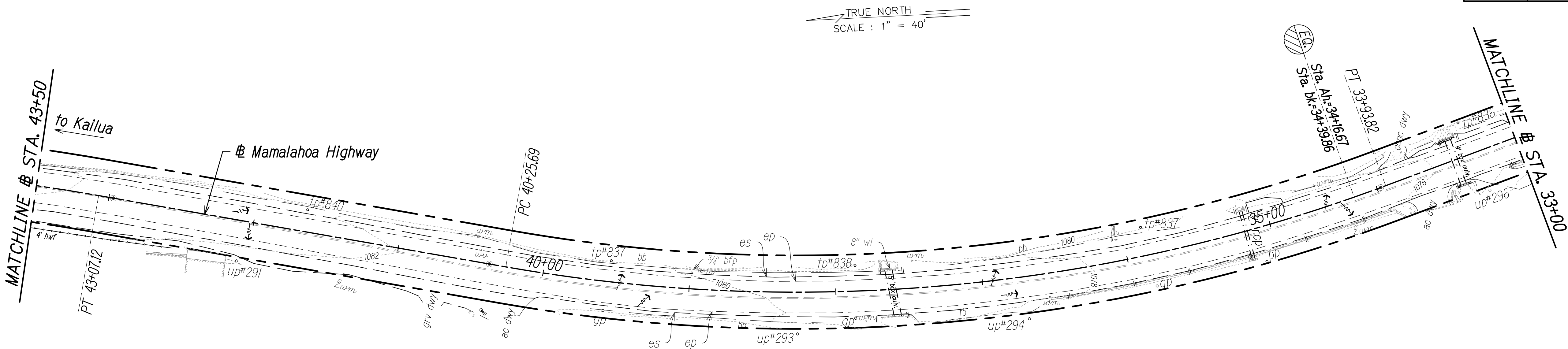
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 1 OF 26 SHEETS

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

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	90	114

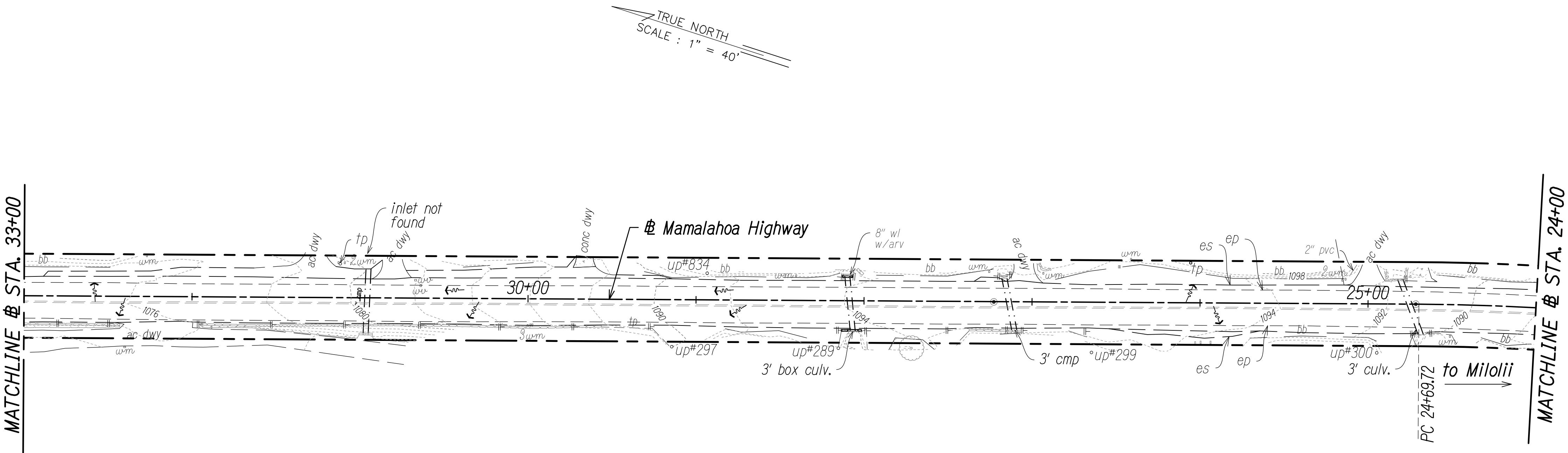


LEGEND:

- Direction of Surface Flow
- Filter Sock Perimeter Control See Sheet 88
- Existing Contour
- Grated Drain Inlet Protection

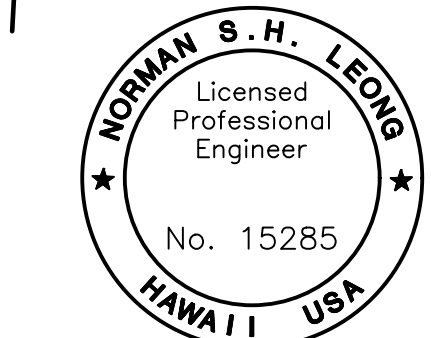
NOTES:

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ORIGINAL PLAN	No.
NOTE BOOK	



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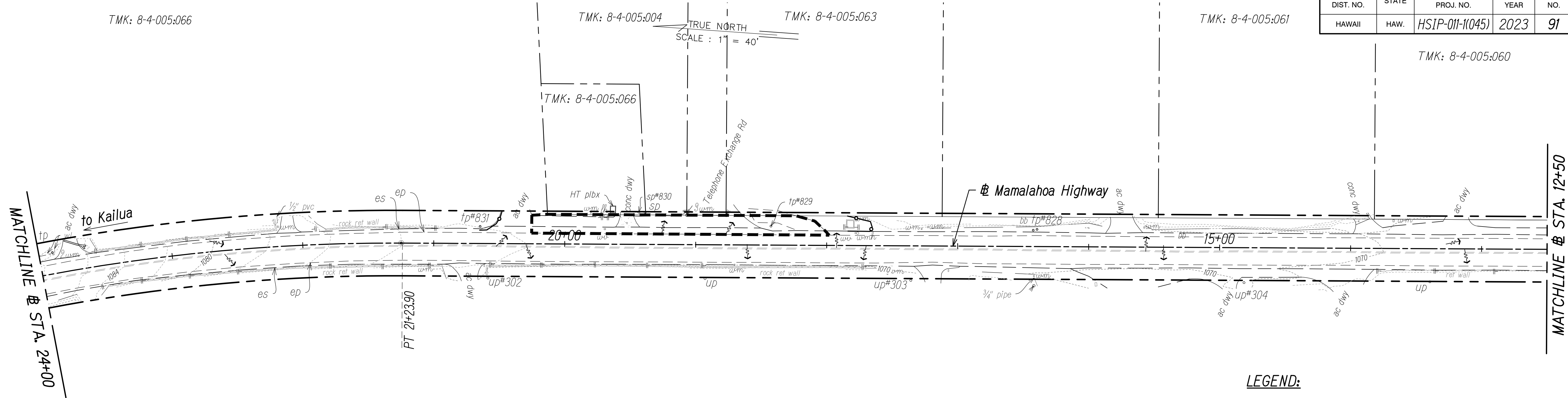
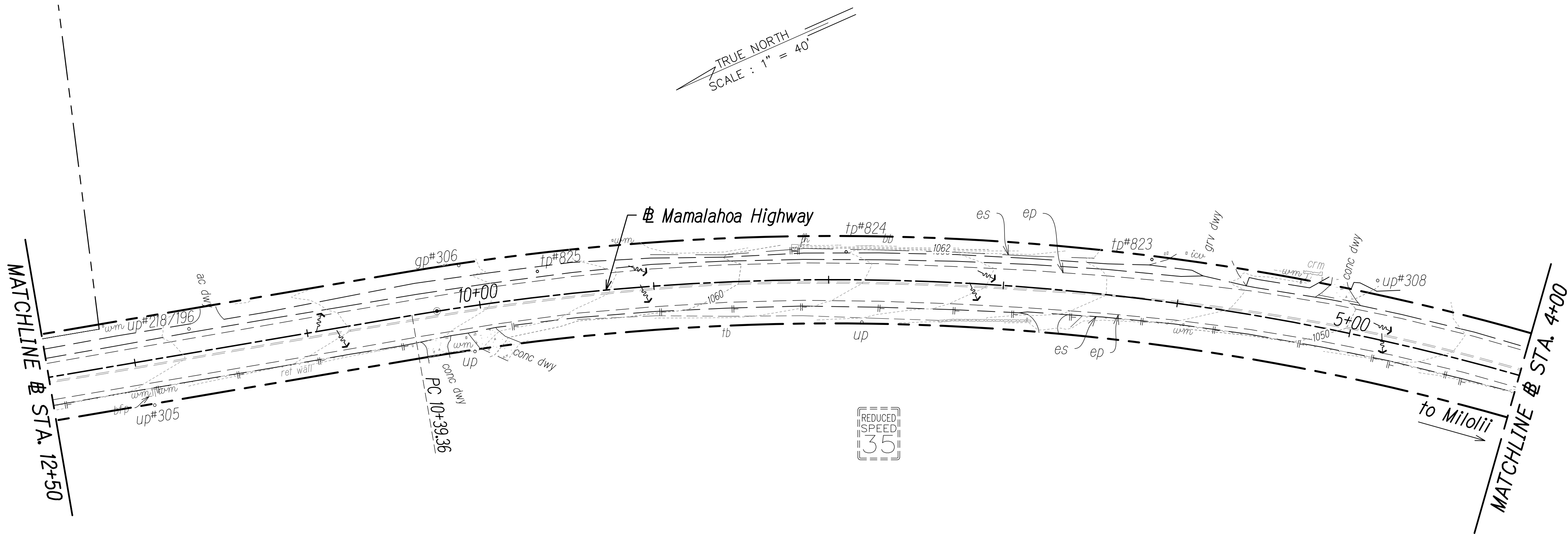
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: 1"=40' Date: September 2023

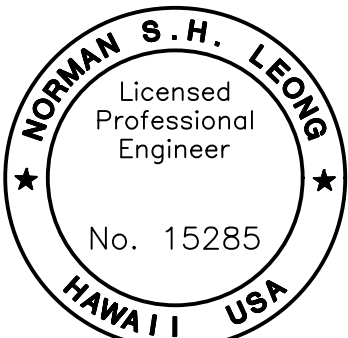
SHEET No. 2 OF 26 SHEETS

ORIGINAL PLAN NOTE BOOK No.	SURVEY PLOTTED BY	DATE
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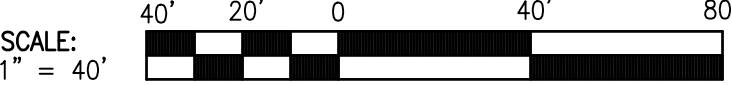


- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control
See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

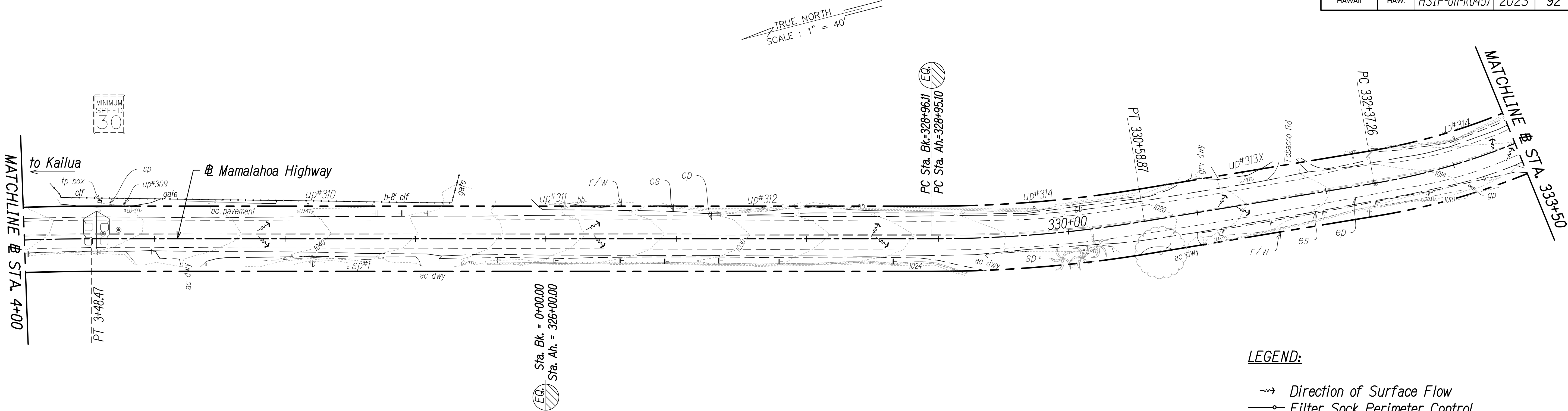
EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 3 OF 26 SHEETS

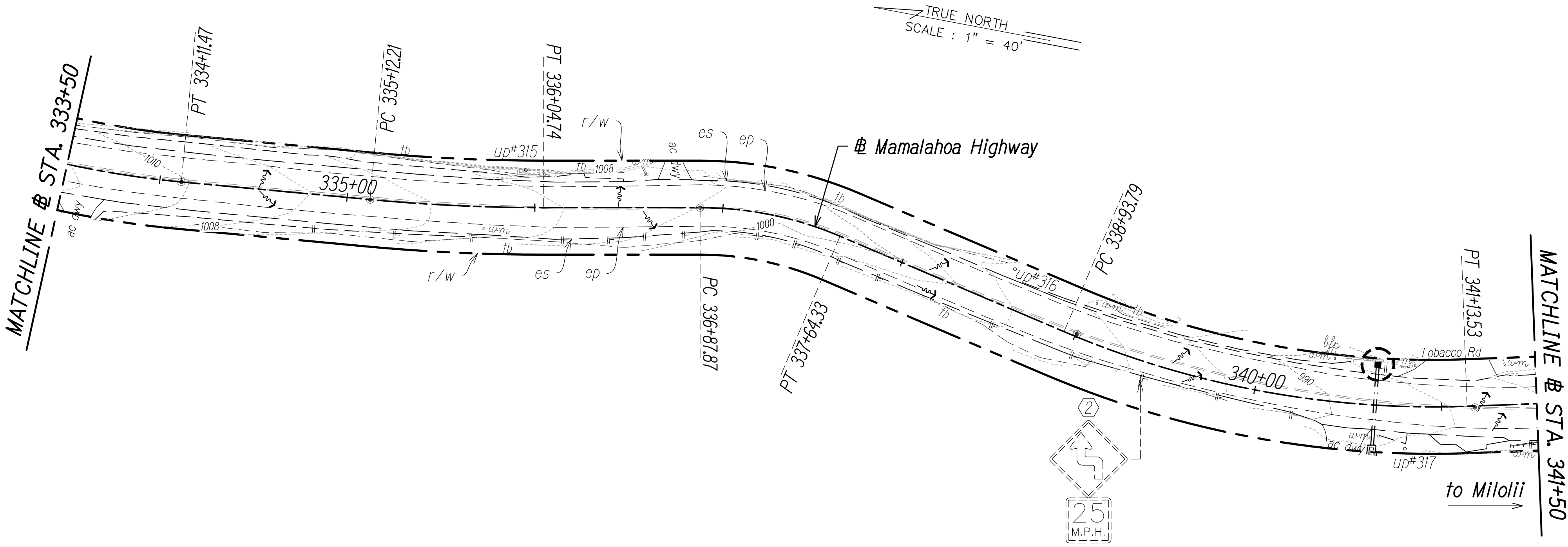
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HAWAII	HAW.	HSIP-011-1(045)	2023	91	114

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	92	114



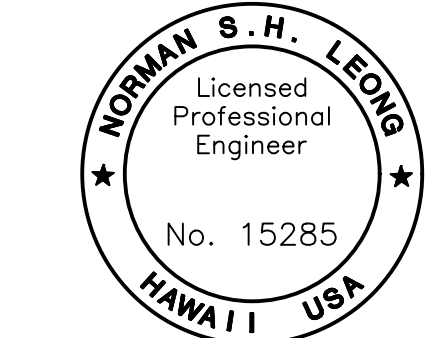
- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
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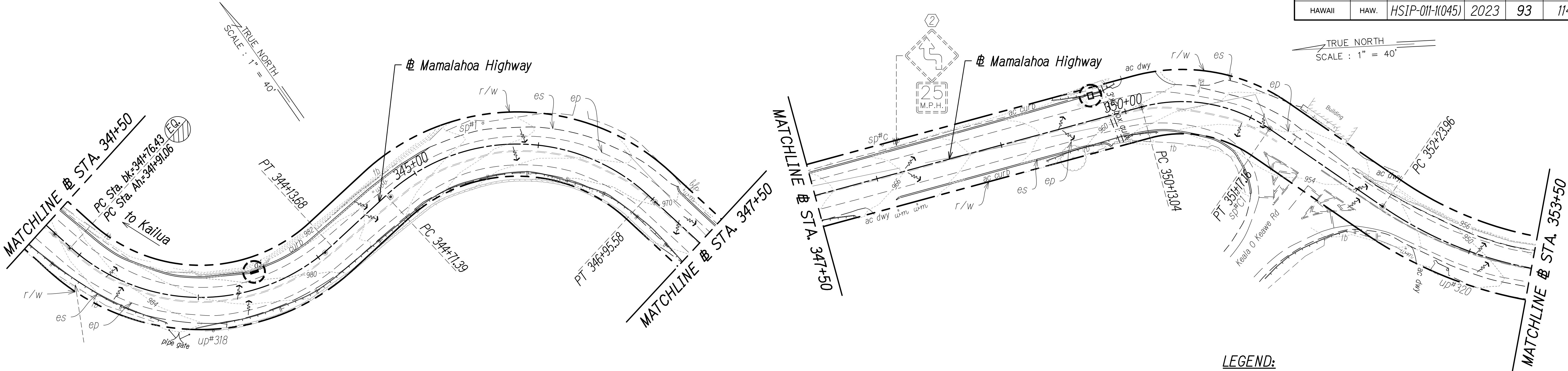
STATE OF HAWAII
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HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: 1"=40' Date: September 2023

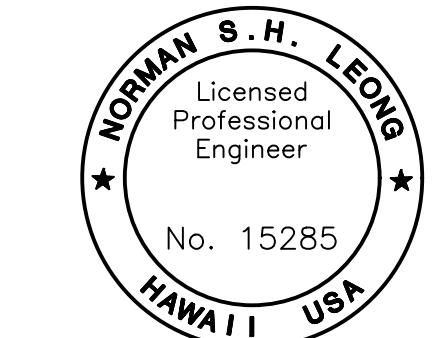
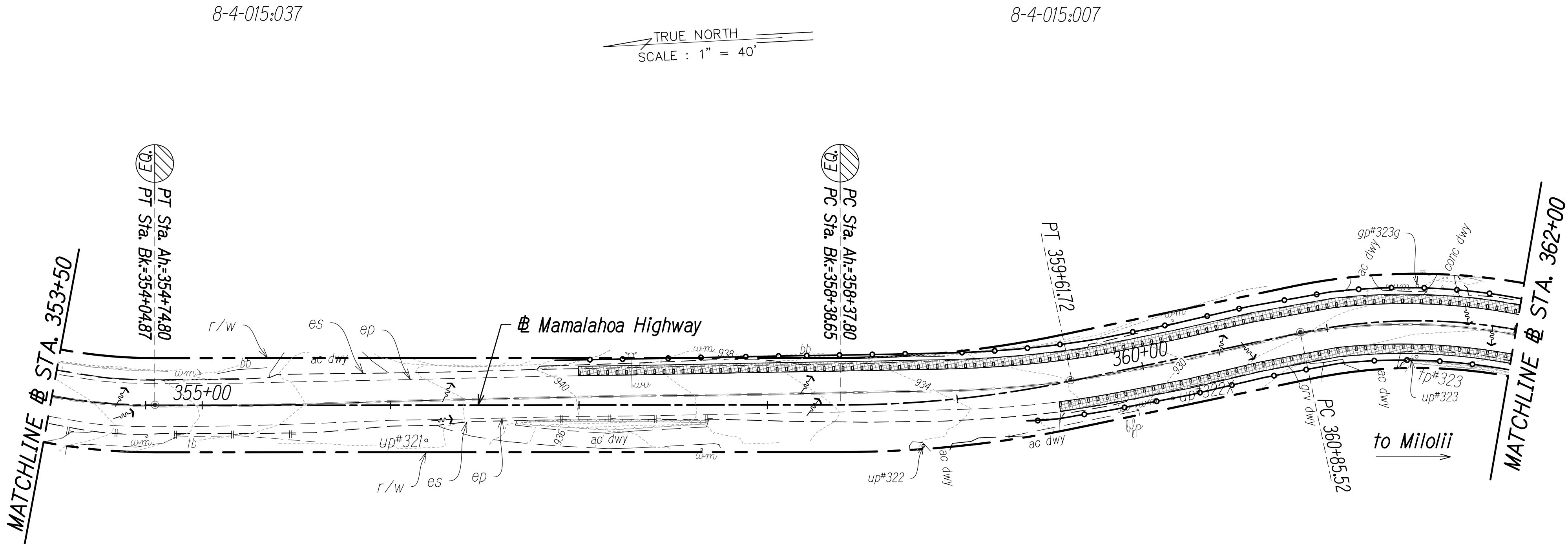
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ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	93	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
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STATE OF HAWAII
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HIGHWAYS DIVISION

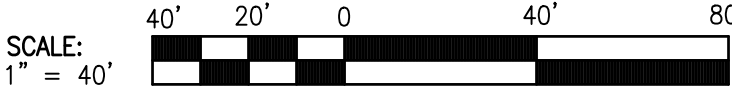
EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

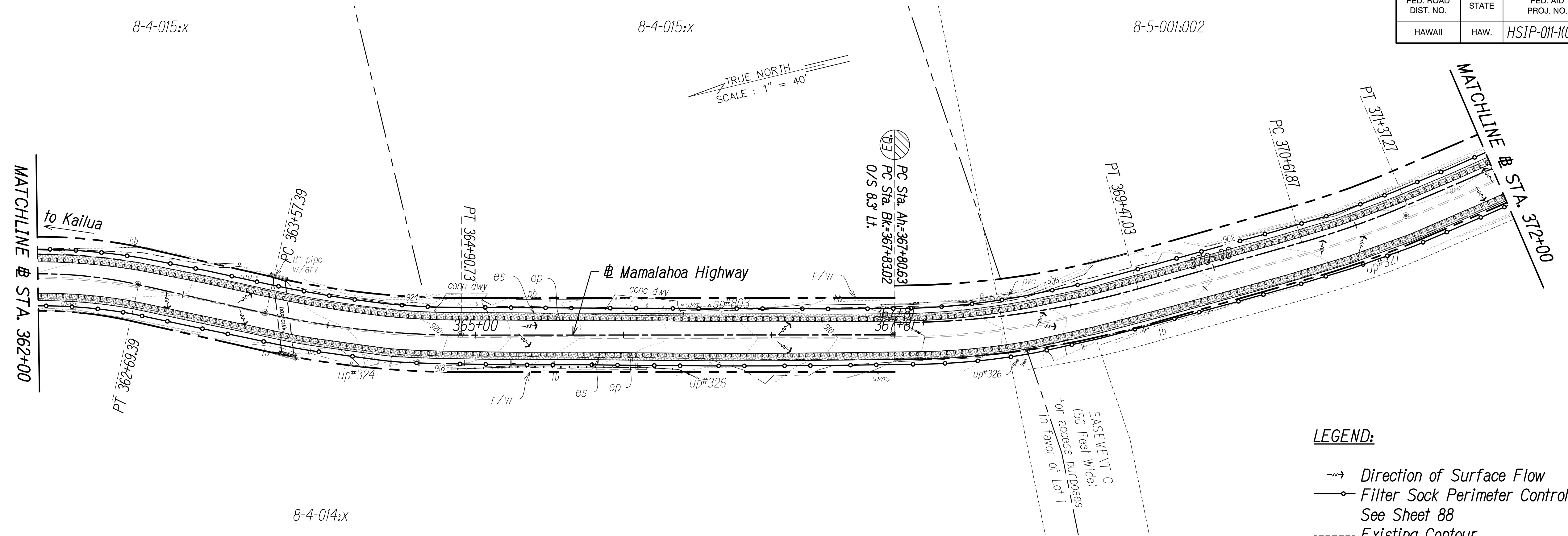
SHEET No. 5 OF 26 SHEETS

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ORIGINAL PLAN	No.
NOTE BOOK	" "

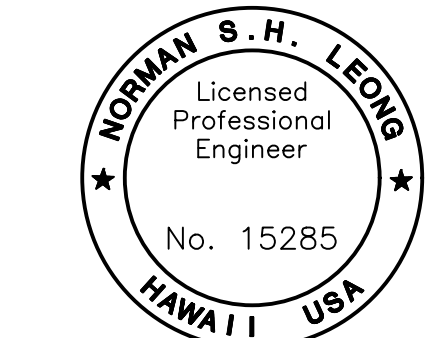
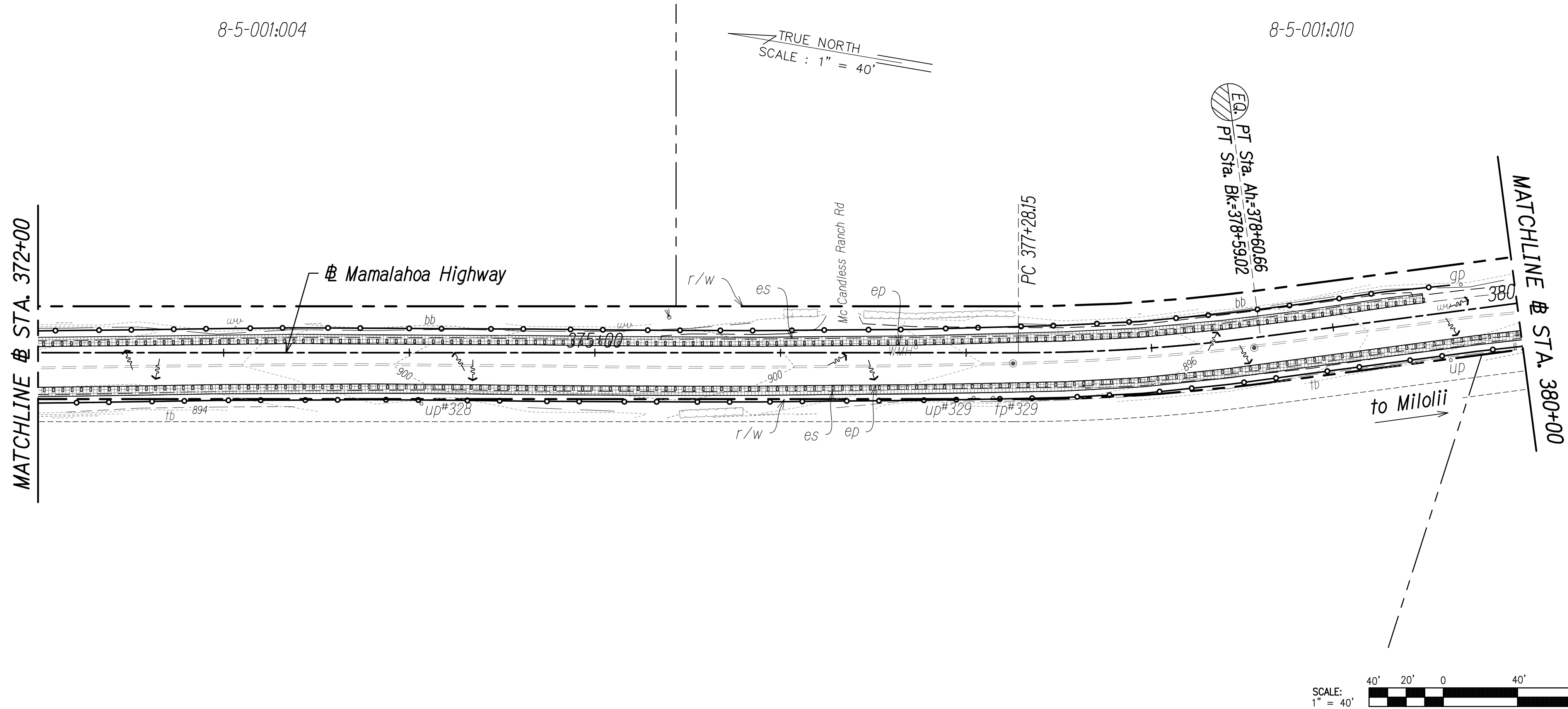


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	94	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
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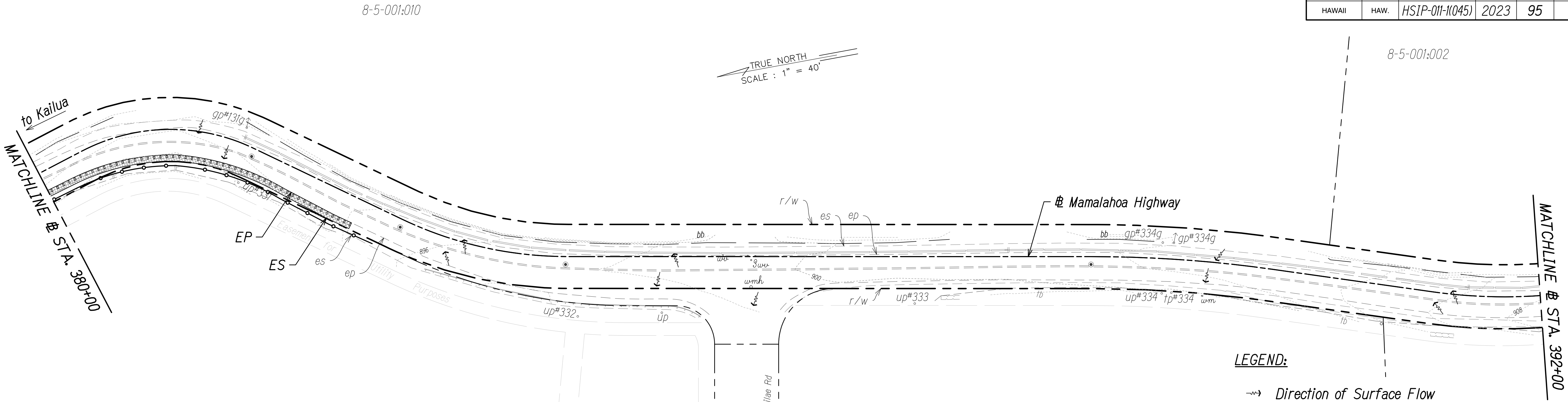
EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 6 OF 26 SHEETS

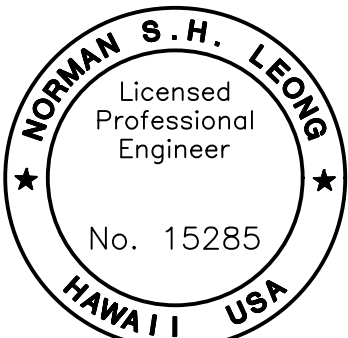
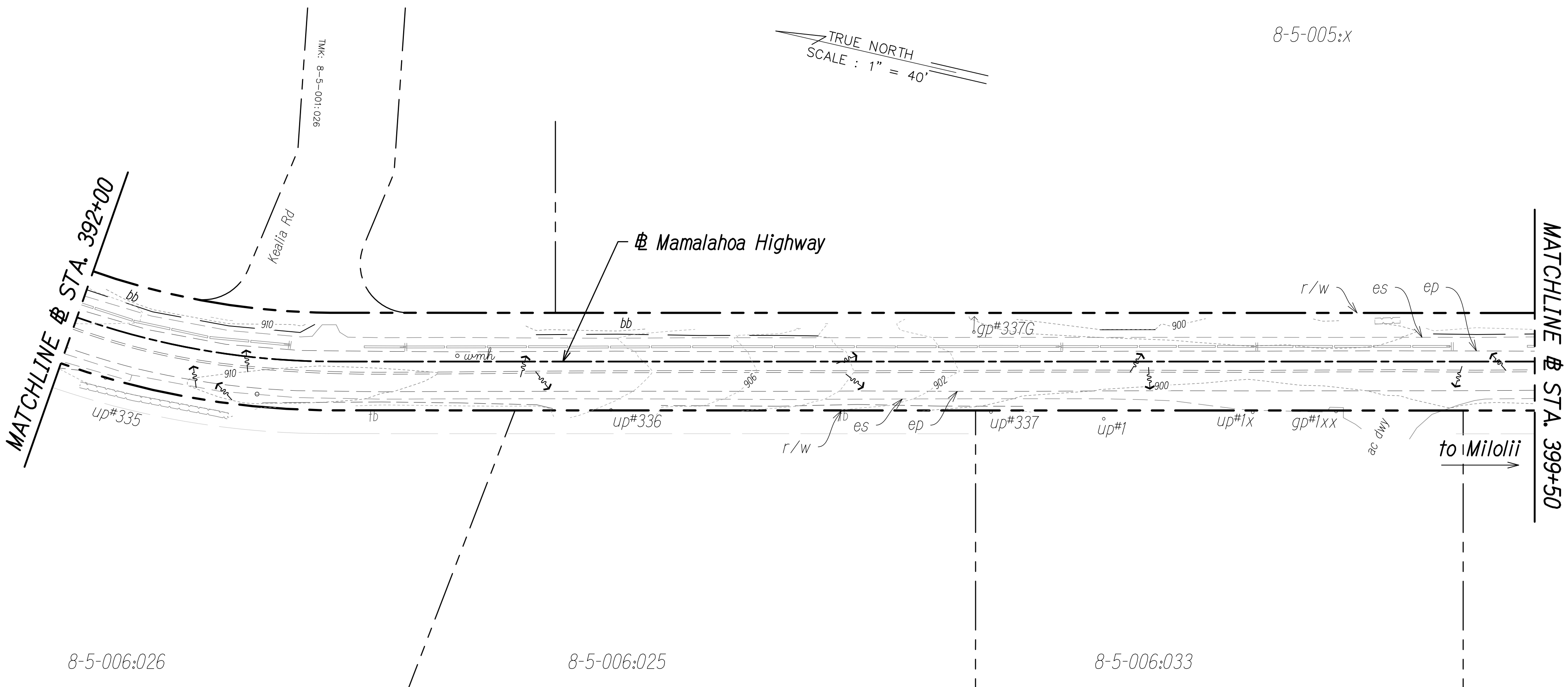
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	95	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - ⊞ Grated Drain Inlet Protection

- NOTES:**
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

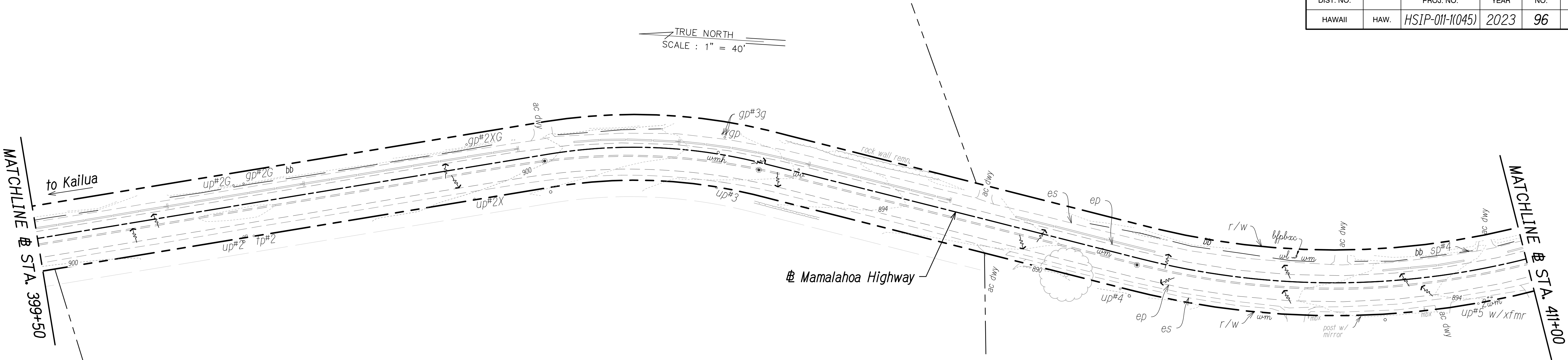
EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Date: September 2023



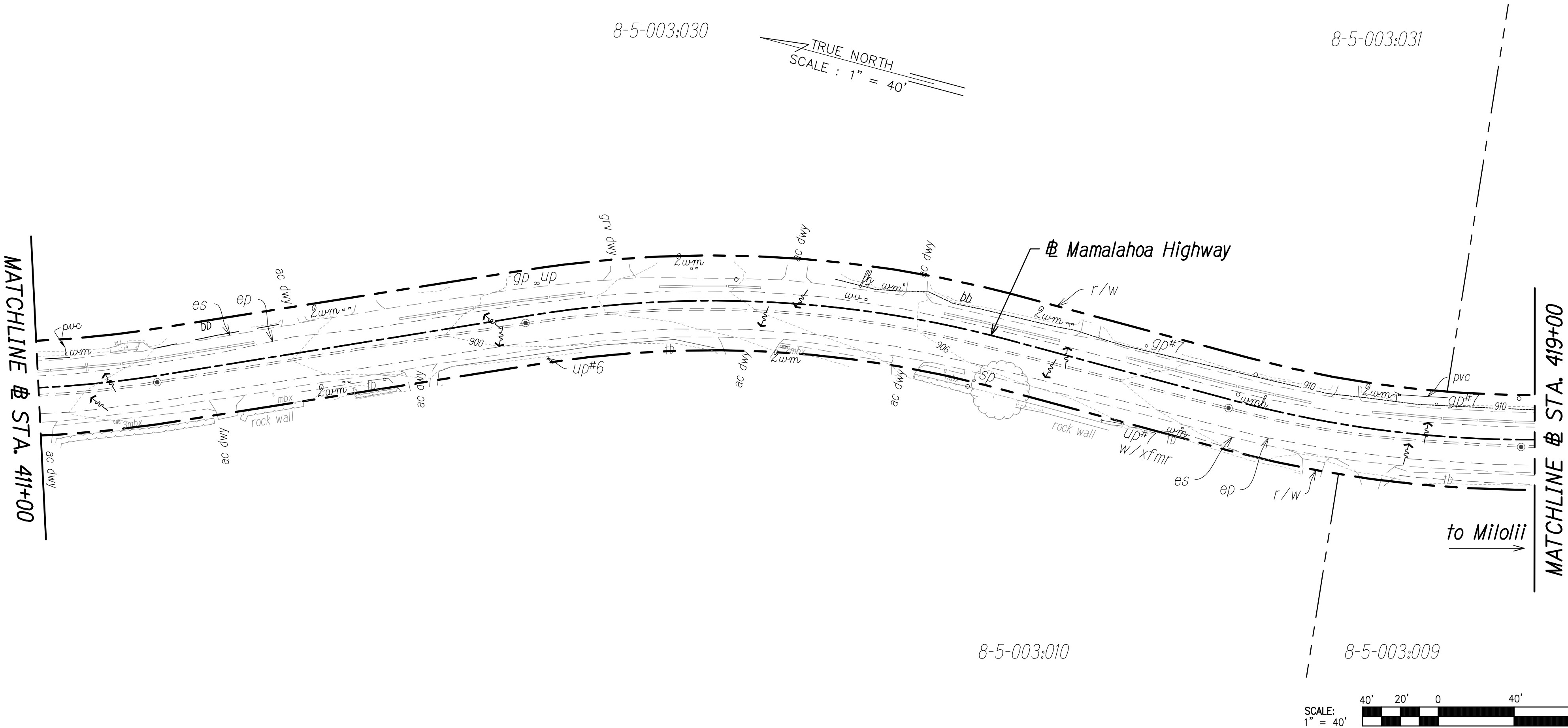
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ORIGINAL PLAN	____
NOTE BOOK	____
No.	____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	96	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
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No. 15285
HAWAII USA

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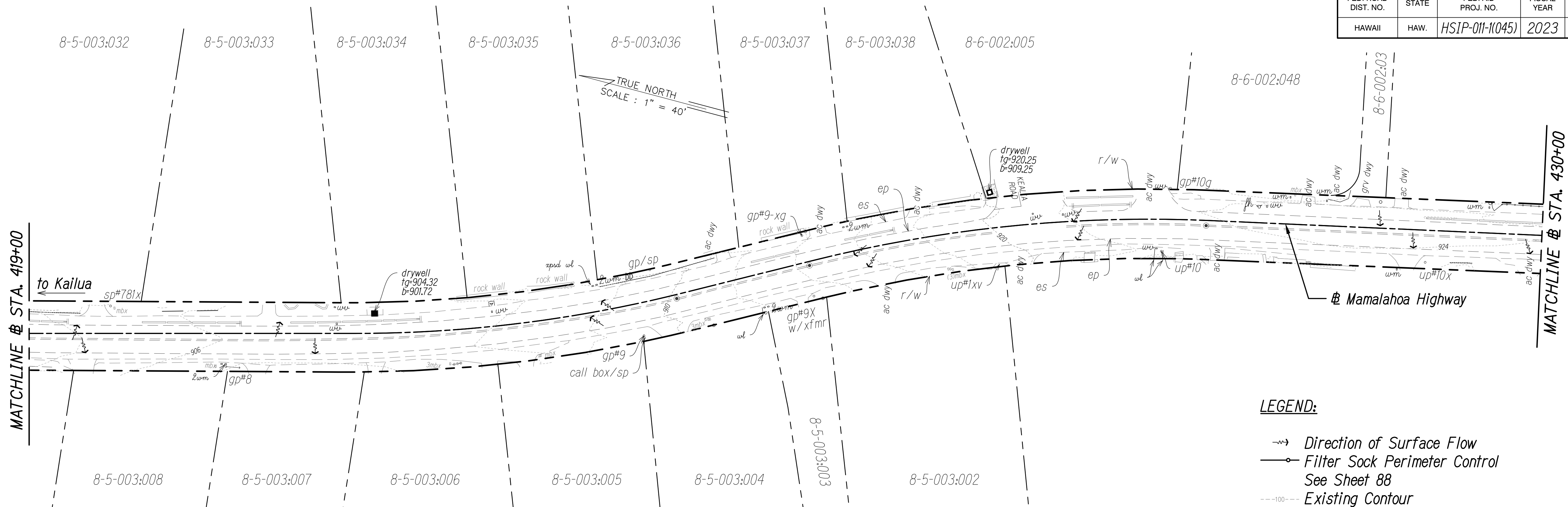
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

**MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS**
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	97	114

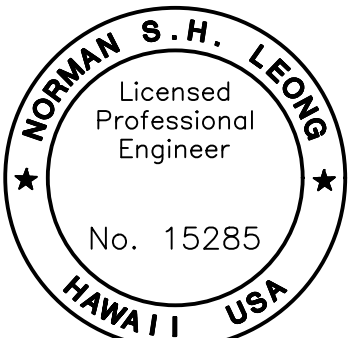
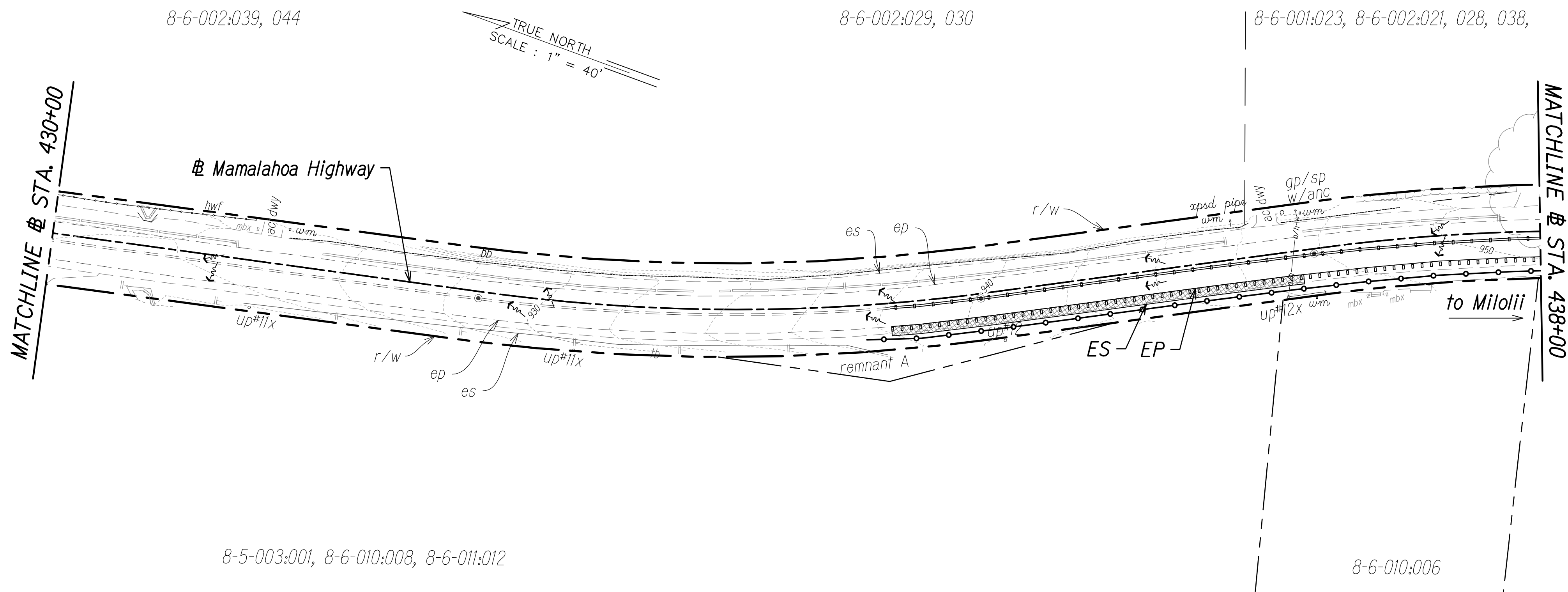


LEGEND:

- Direction of Surface Flow
- Filter Sock Perimeter Control See Sheet 88
- Existing Contour
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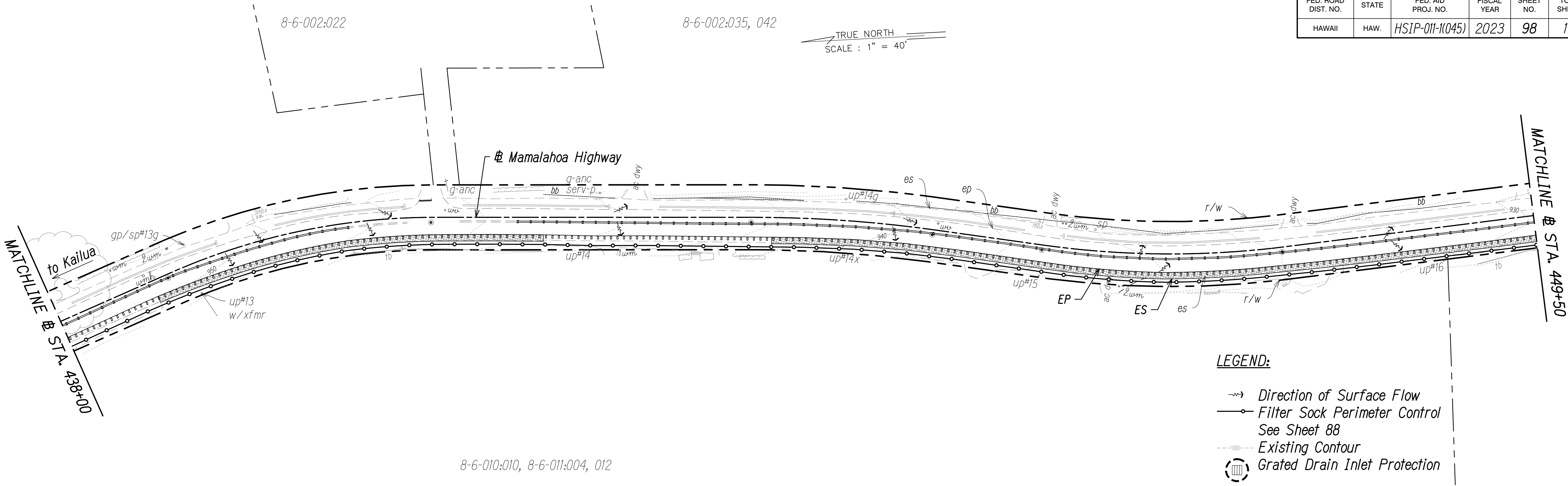
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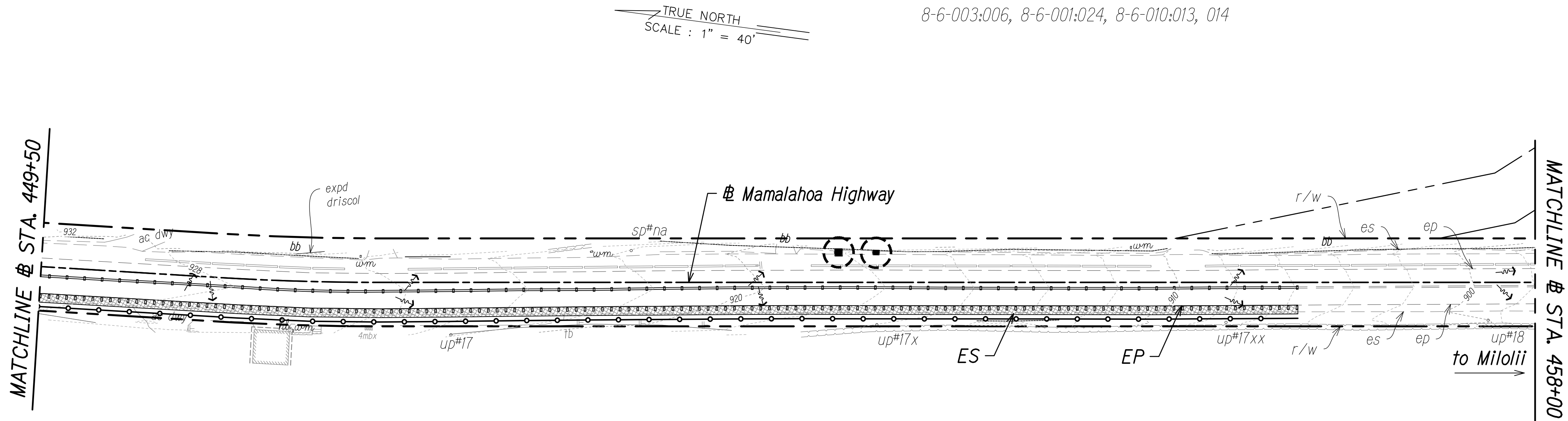
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ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	98	114



- LEGEND:**
- Direction of Surface Flow
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ORIGINAL PLAN	No.
NOTE BOOK	No.

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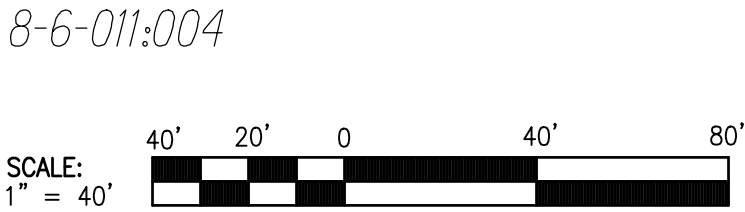
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

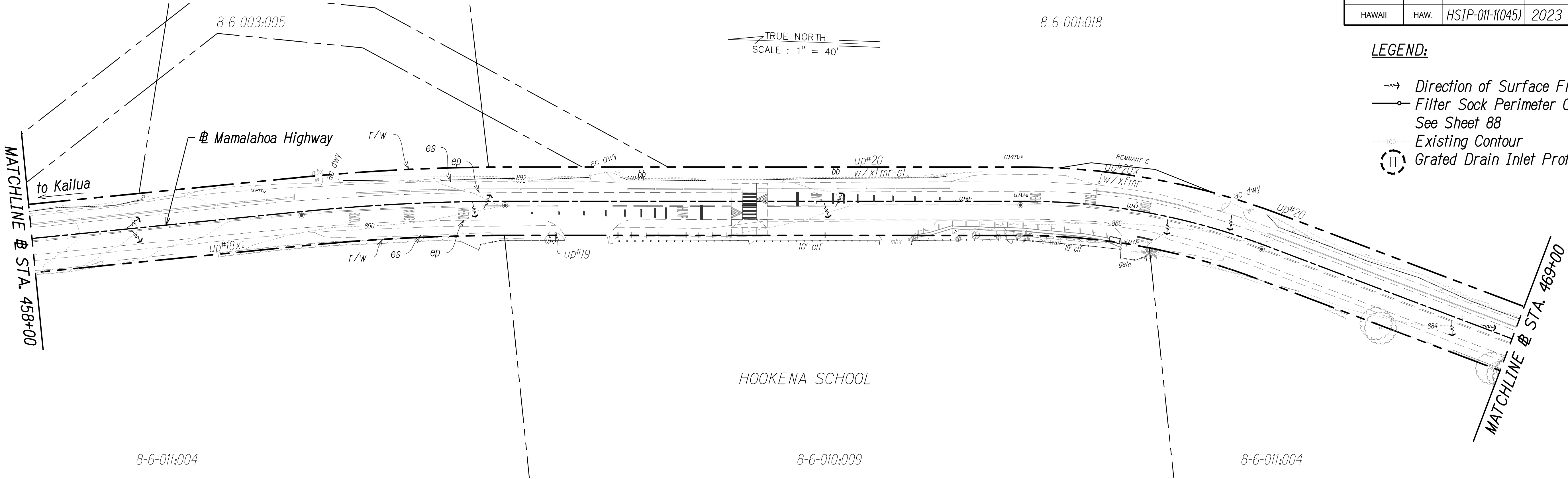
**MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS**
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Date: September 2023

SHEET No. 10 OF 26 SHEETS

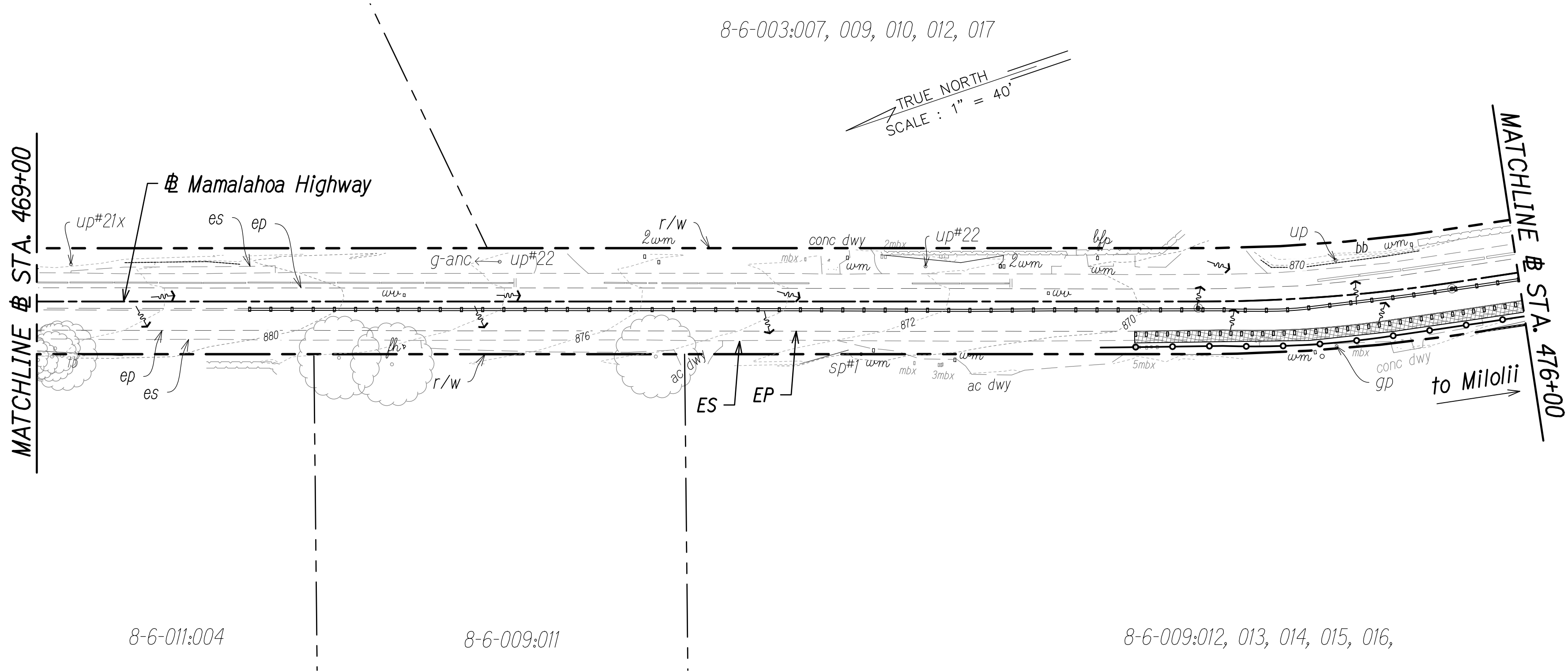


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	99	114

- LEGEND:**
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 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

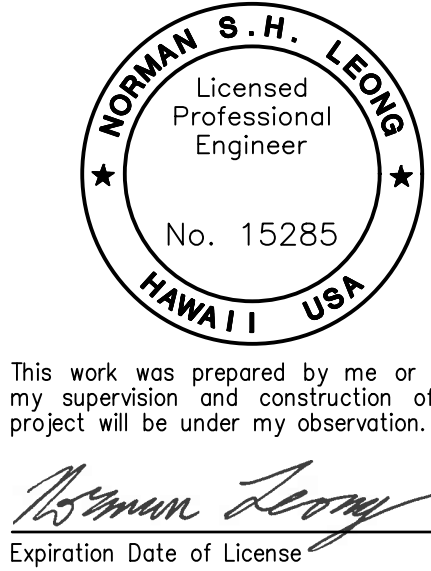


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NOTE BOOK	No.

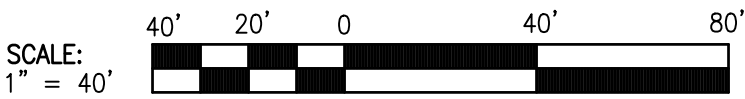


STATE OF HAWAII
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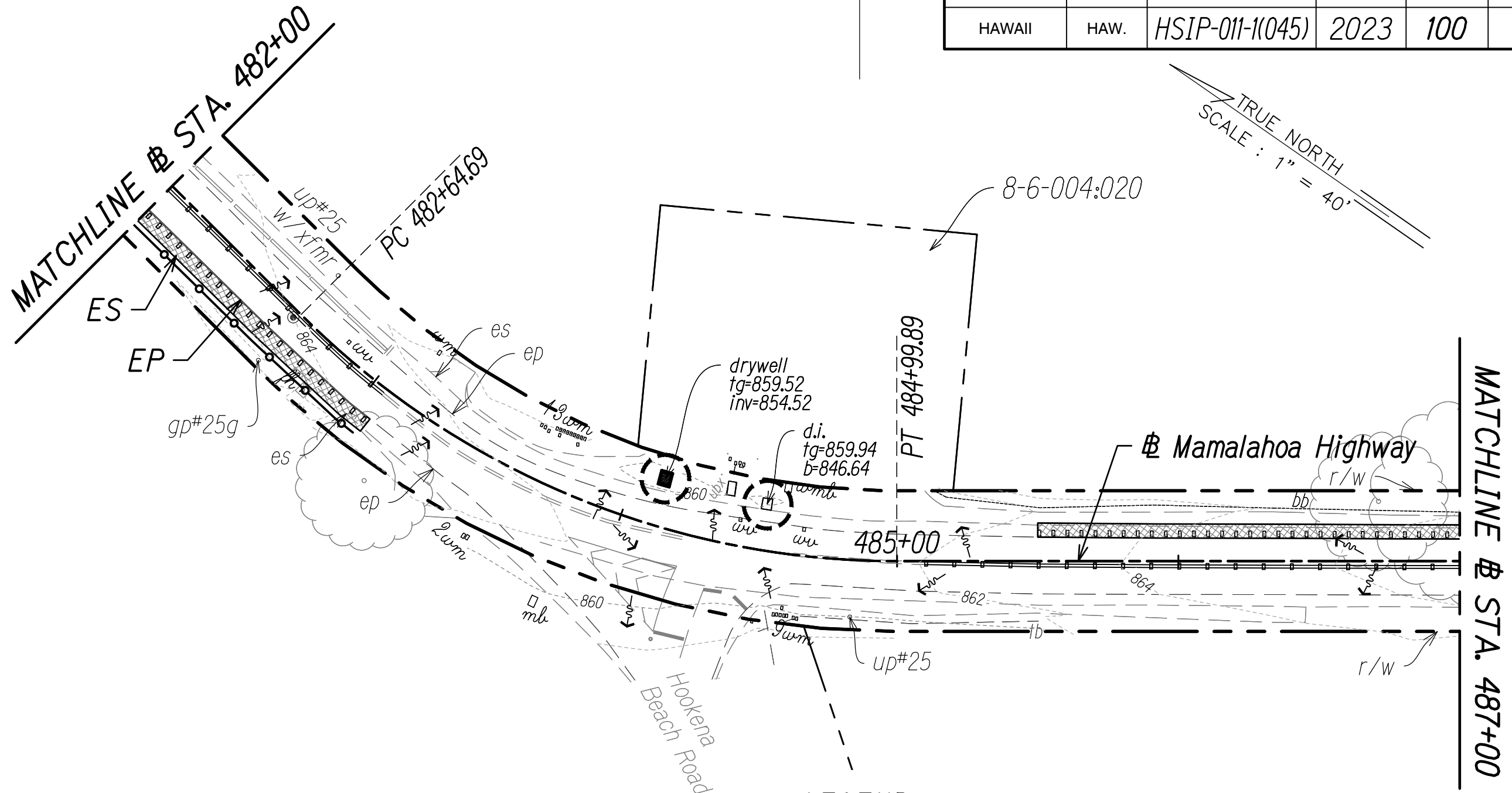
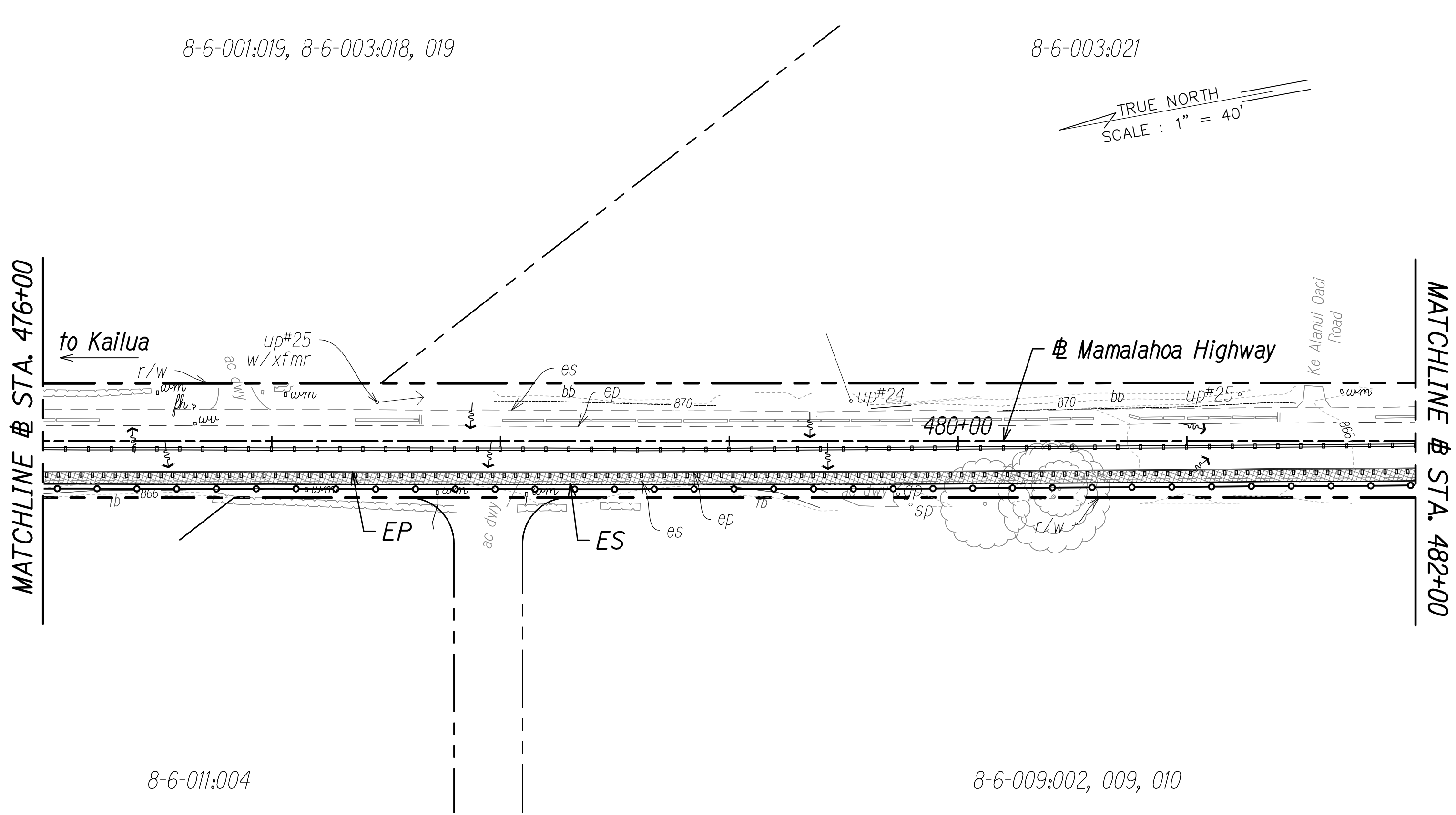
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SHEET No. 11 OF 26 SHEETS

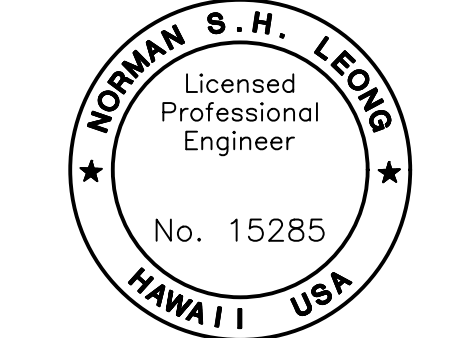
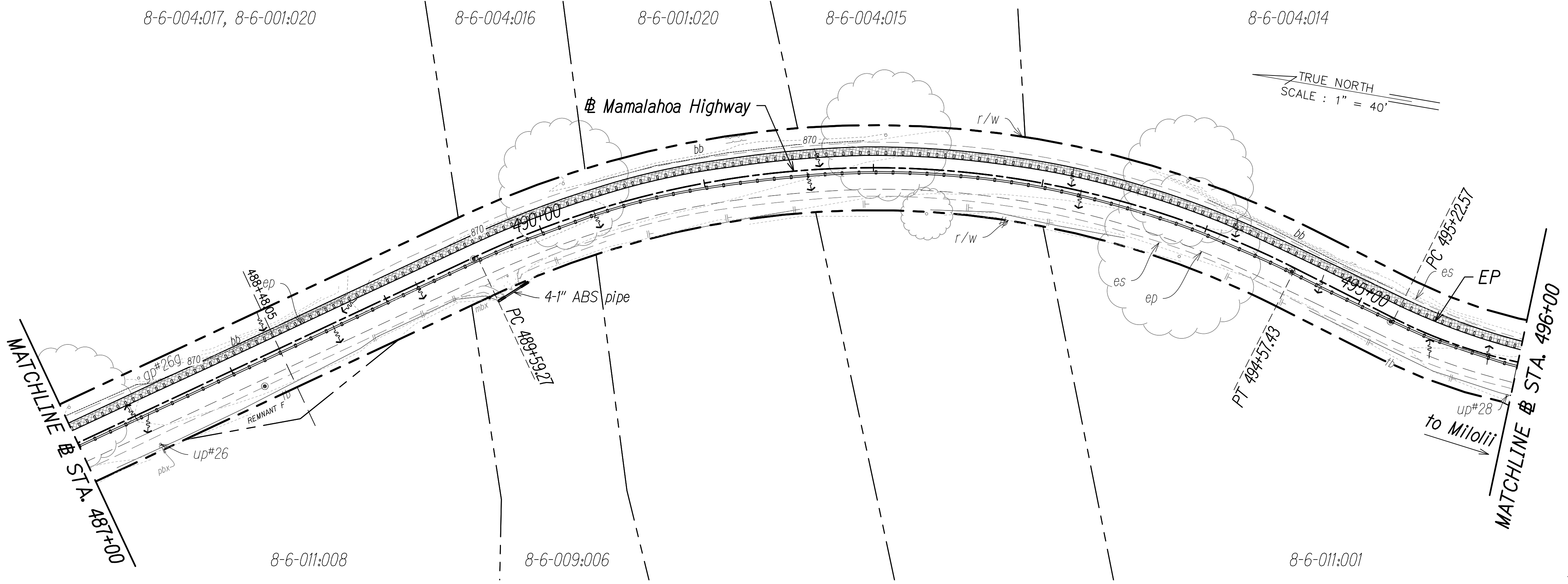


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	100	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
- Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.
 - Protect all catch basins, grated drain inlets, sales, driveways, side roads, etc. that may be affected by stormwater runoff as a result of construction work.



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Norman S. H. Leong

Expiration Date of License 4/24

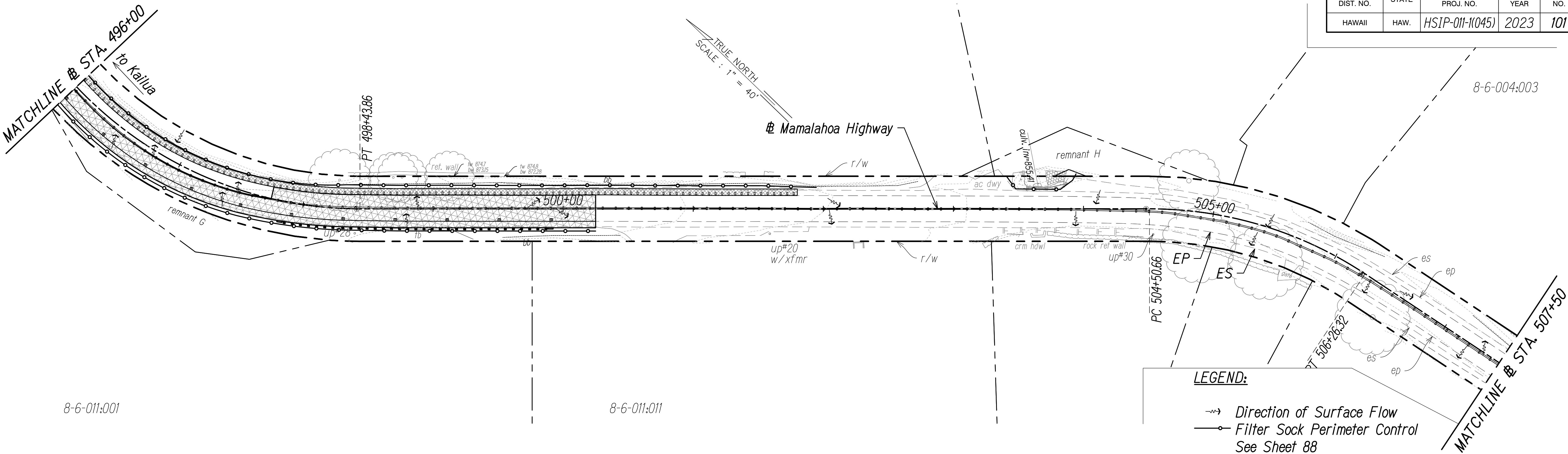
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: 1"=40' Date: September 2023

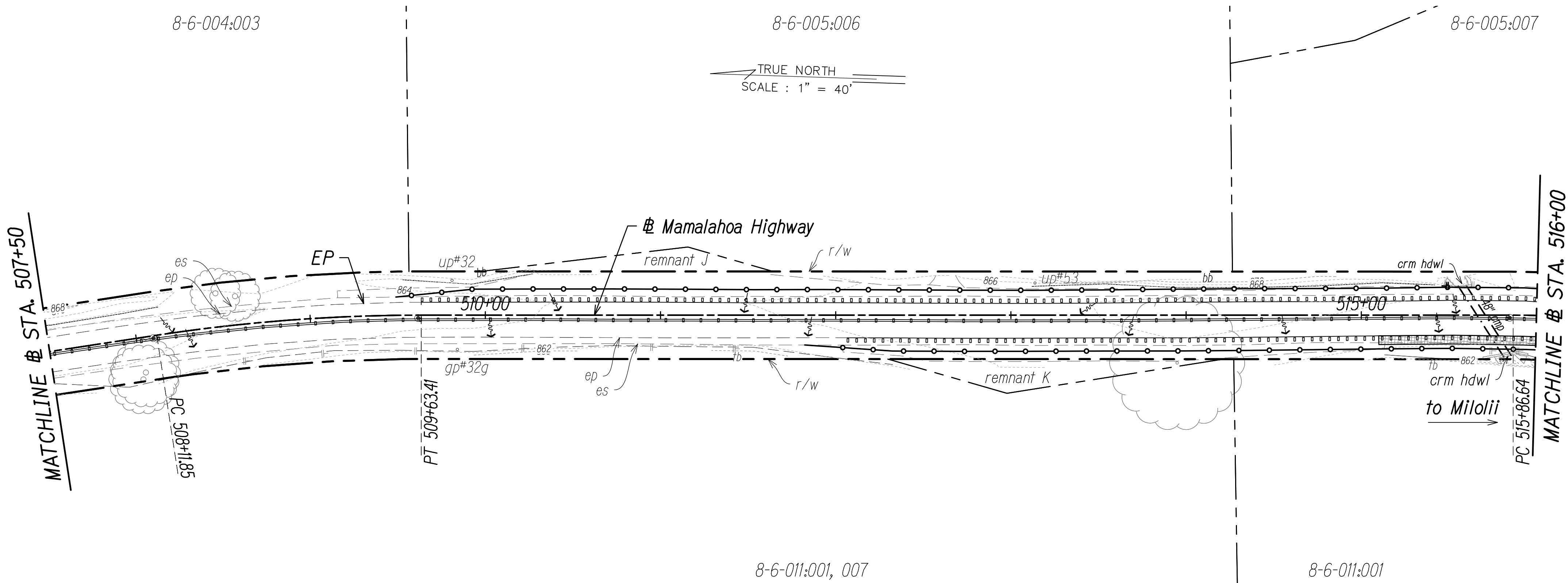
SURVEY PLOTTED BY	DATE
DRAWN BY	"
DESIGNED BY	"
QUANTITIES BY	"
CHECKED BY	"
ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	101	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control
See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
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NORMAN S. H. LEONG
Licensed Professional Engineer
No. 15285
HAWAII USA

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Norman S. H. Leong
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

**MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS**
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 13 OF 26 SHEETS

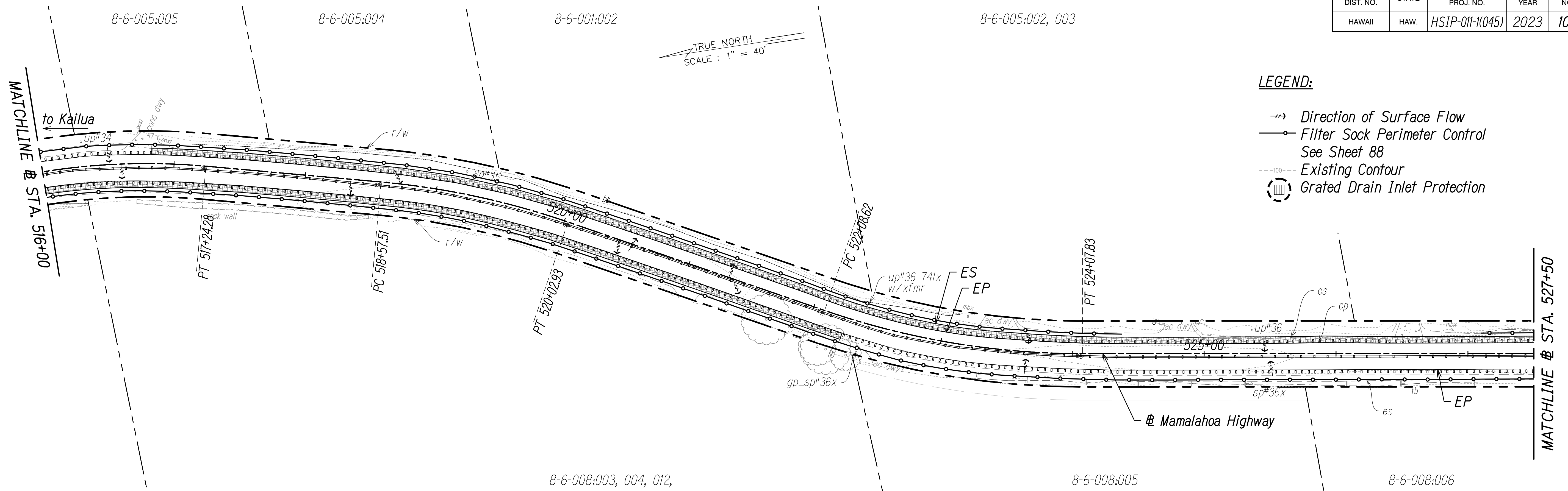
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DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "

ORIGINAL PLAN	No.
NOTE BOOK	No.



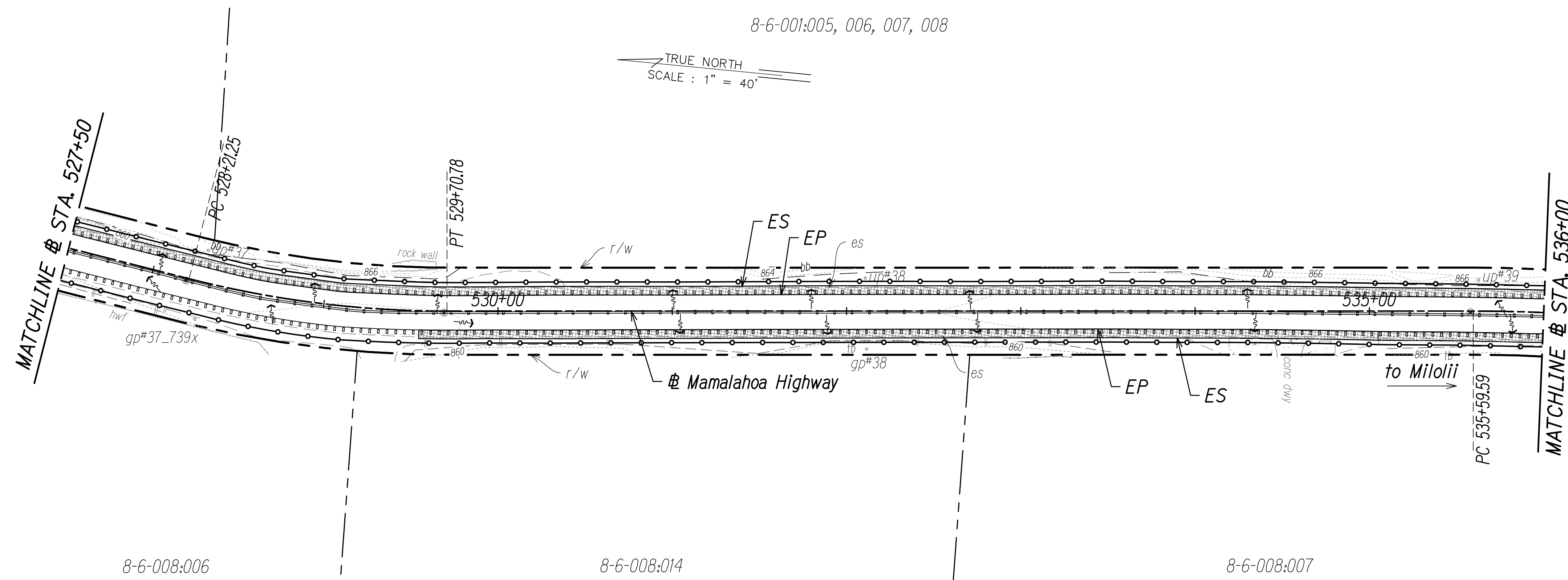
LEGEND:

-  *Direction of Surface Flow*
 *Filter Sock Perimeter Control*
See Sheet 88
 *Existing Contour*
 *Grated Drain Inlet Protection*

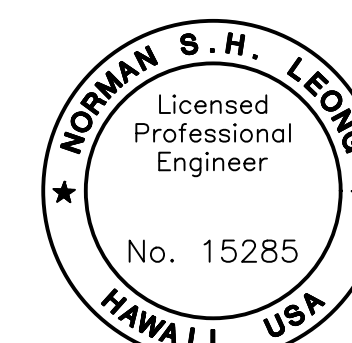


NOTES:

1. *Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.*
2. *Protect all catch basins, grated drain inlets, sales, driveways, side roads, etc. that may be affected by stormwater runoff as a result of construction work.*



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



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

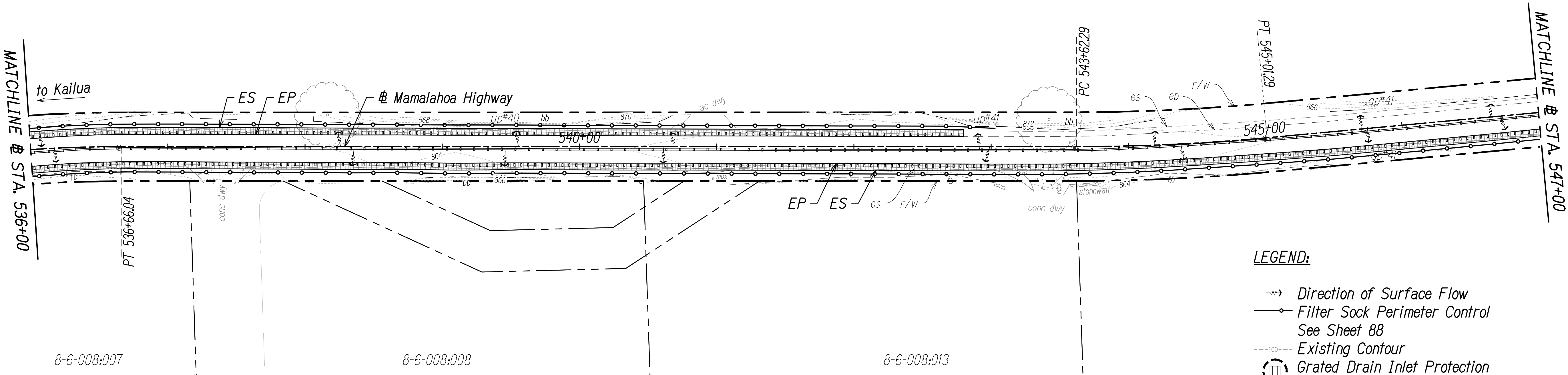
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-K(045)
Scale: 1"=40' Date: September 2023

SHEET No. 14 OF 26 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	103	114

8-6-001:008, 009, 010

TRUE NORTH
SCALE : 1" = 40'

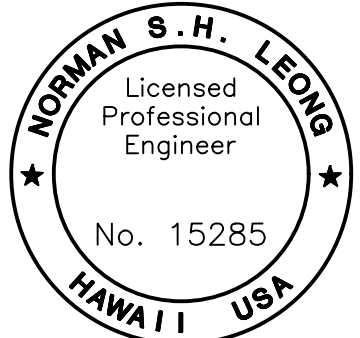
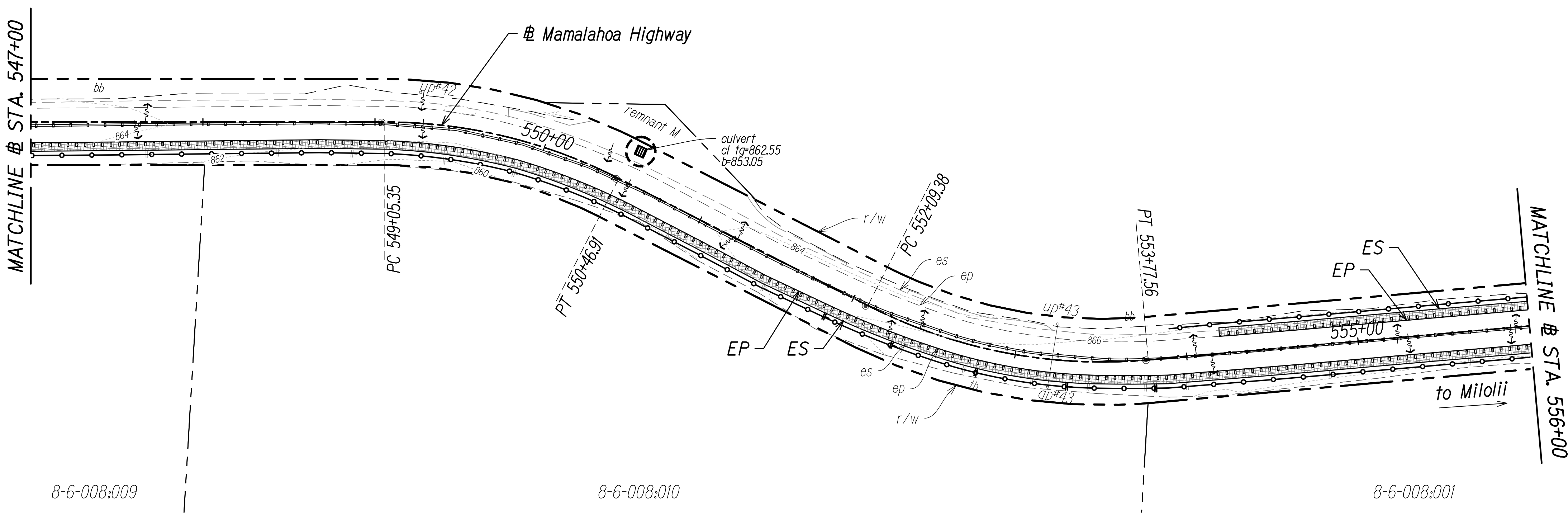


- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - ▢ Grated Drain Inlet Protection

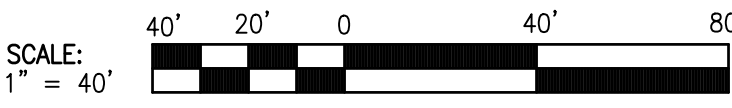
- NOTES:**
1. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.
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8-6-001:010, 011, 012, 013

TRUE NORTH
SCALE : 1" = 40'



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Norman S. H. Leong
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

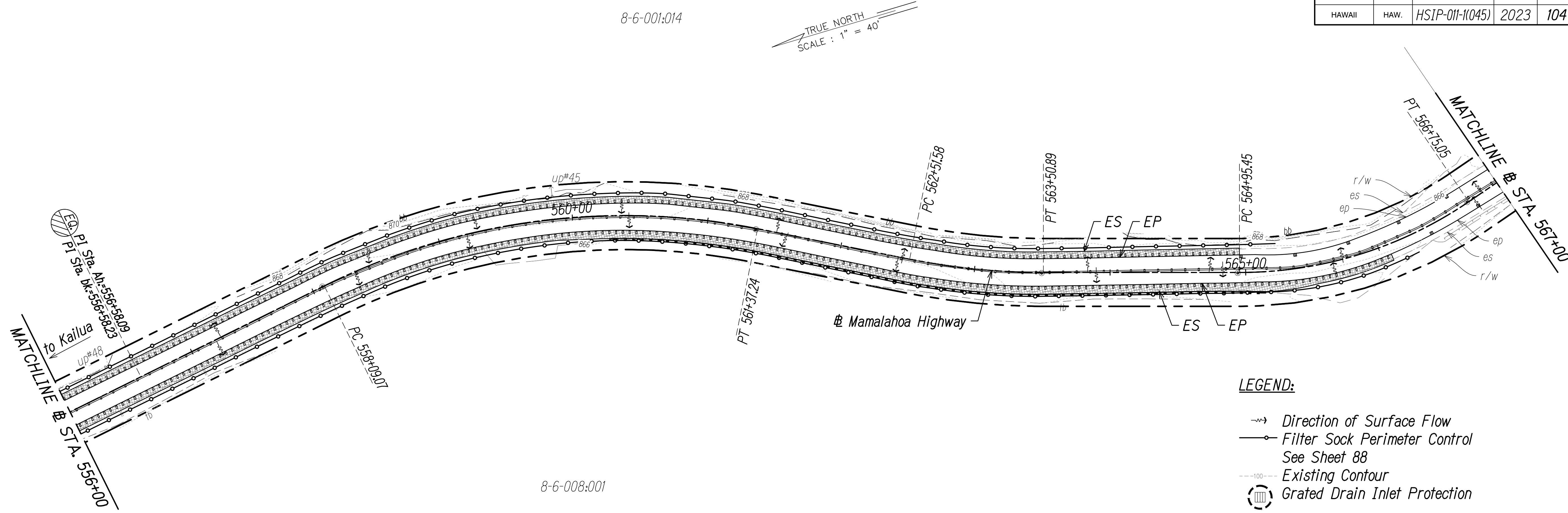
EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 15 OF 26 SHEETS

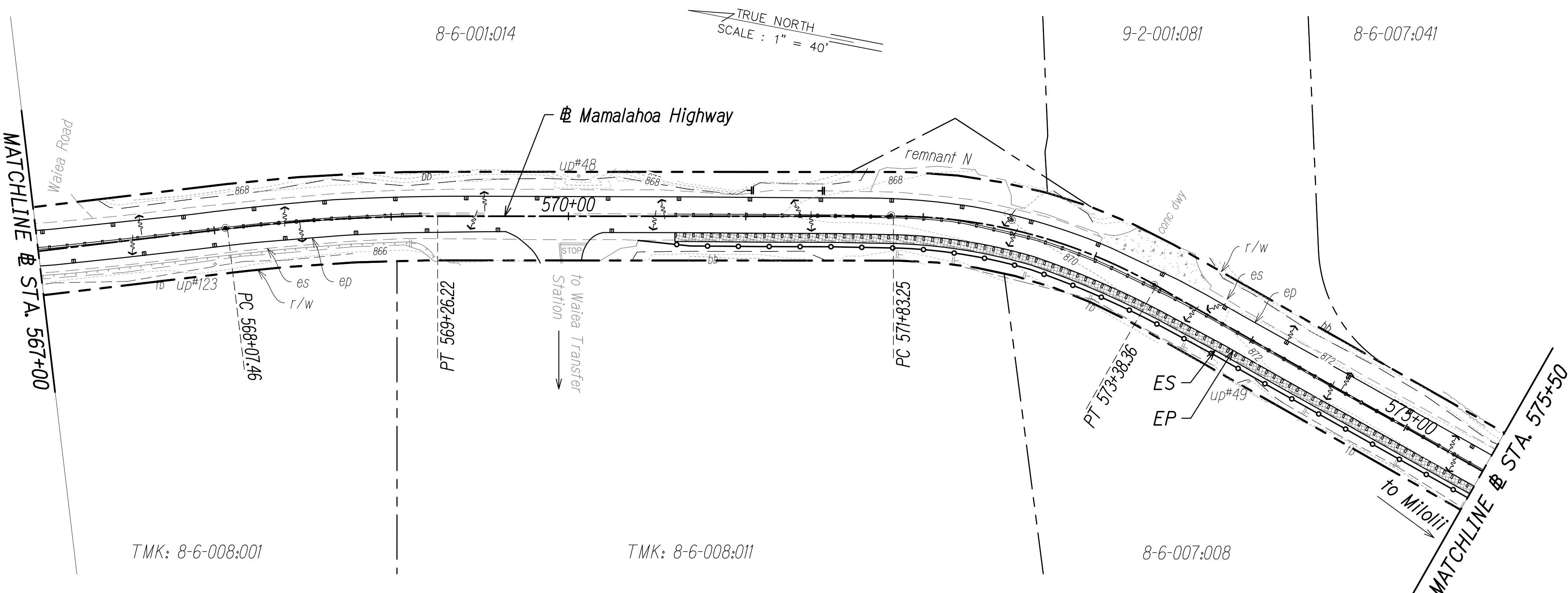
SURVEY PLOTTED BY	DATE
DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	104	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
- Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

**MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS**

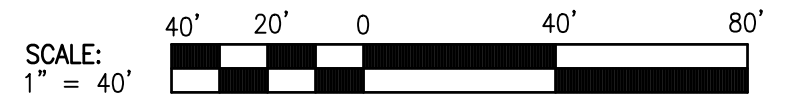
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 16 OF 26 SHEETS

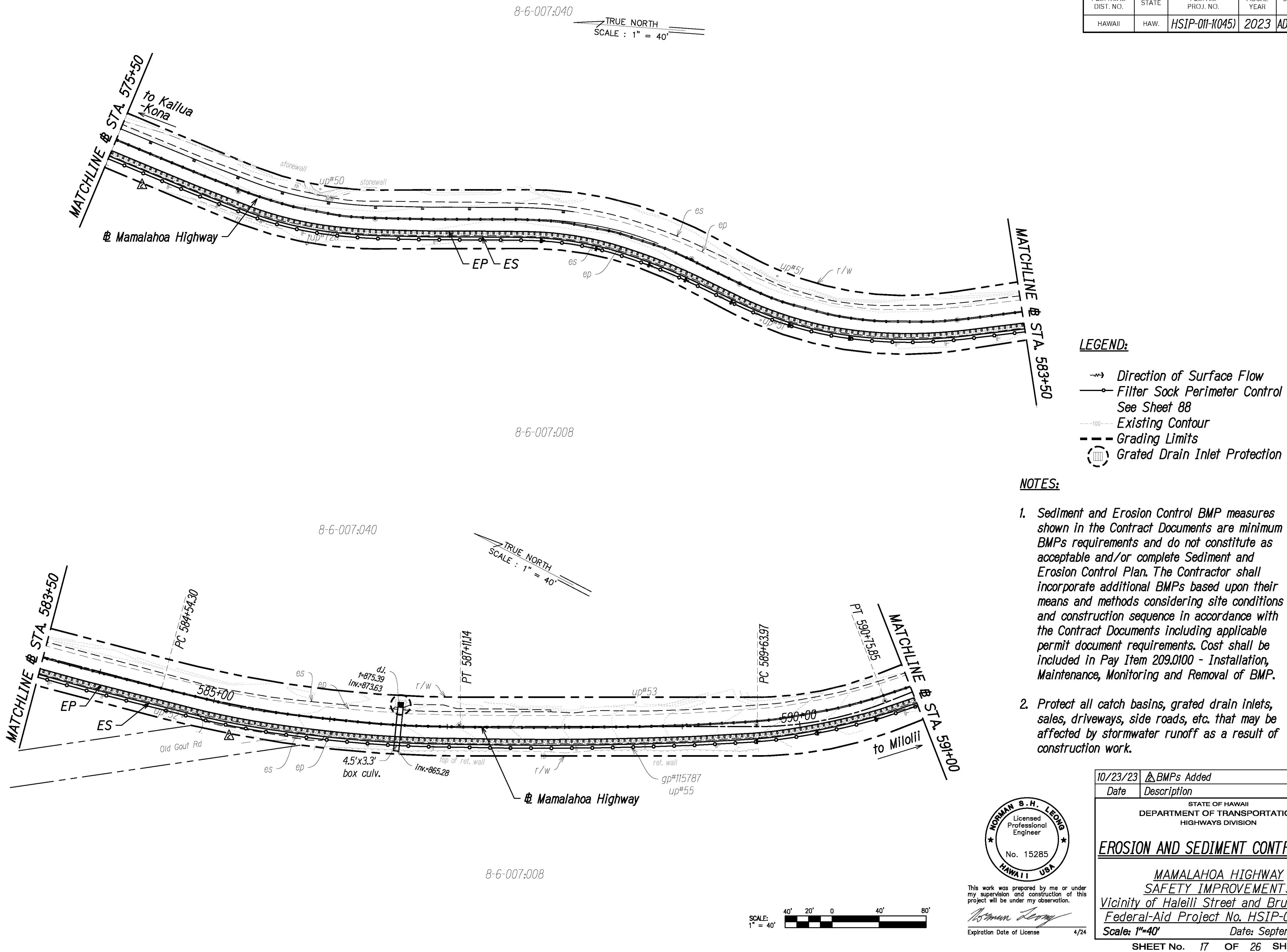
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SURVEY PLOTTED BY	DATE
DRAWN BY	"
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QUANTITIES BY	"
CHECKED BY	"

ORIGINAL PLAN
NOTE BOOK
No.



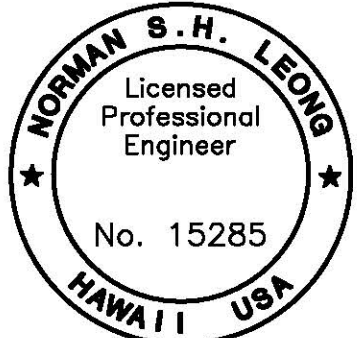
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	ADD. 105	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - - - Grading Limits
 - ⊞ Grated Drain Inlet Protection

- NOTES:**
- Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.
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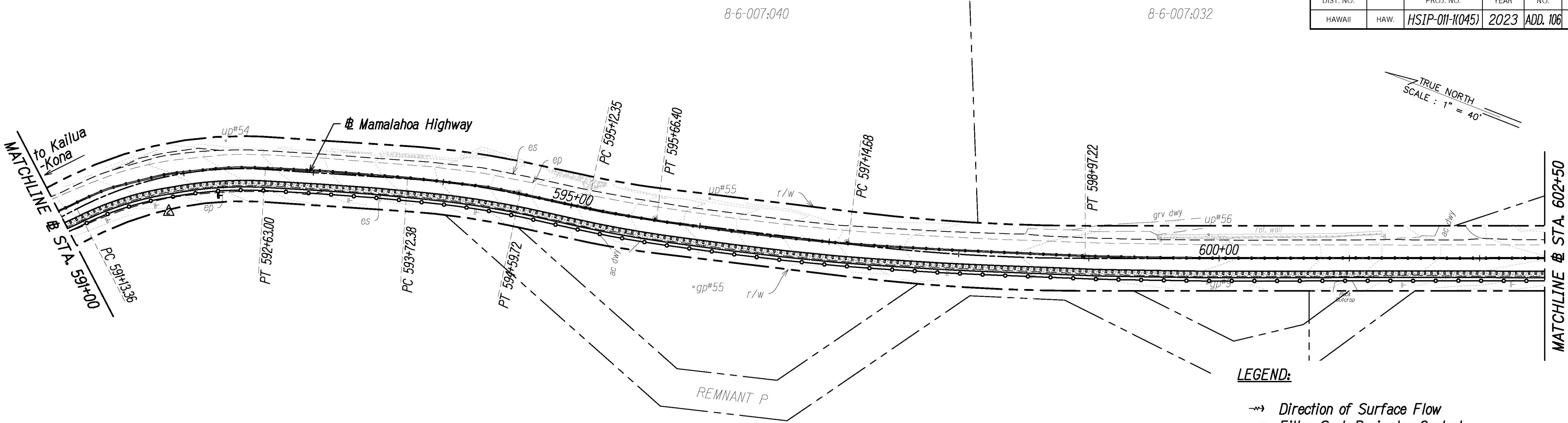
SURVEY PLOTTED BY	DATE
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DESIGNED BY	" "
QUANTITIES BY	" "
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ORIGINAL PLAN	
NOTE BOOK	
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Norman Leong
Expiration Date of License 4/24

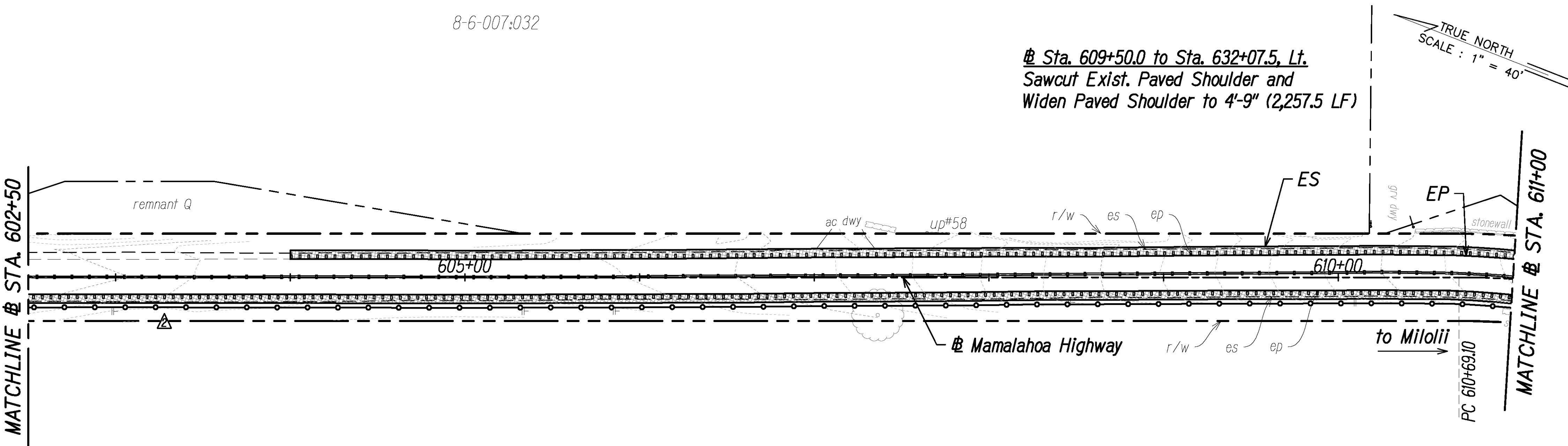
10/23/23	△ BMPs Added
Date	Description
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
EROSION AND SEDIMENT CONTROL PLAN	
MAMALAHOA HIGHWAY SAFETY IMPROVEMENTS Vicinity of Haleili Street and Bruner Road Federal-Aid Project No. HSIP-011-1(045) Scale: 1"=40' Date: September 2023	
SHEET No. 17 OF 26 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	ADD. 106	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - - - Grading Limits
 - ▢ Grated Drain Inlet Protection

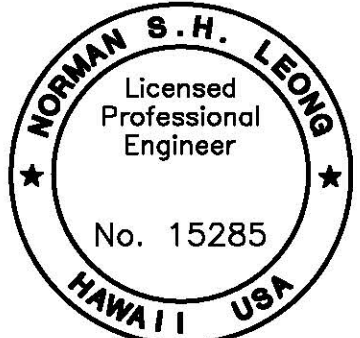
- NOTES:**
1. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.
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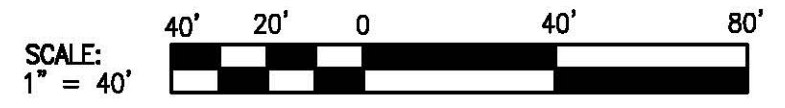
@ Sta. 609+50.0 to Sta. 632+07.5, Lt.
Sawcut Exist. Paved Shoulder and
Widen Paved Shoulder to 4'-9" (2,257.5 LF)

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DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "

ORIGINAL PLAN	No.
NOTE BOOK	No.



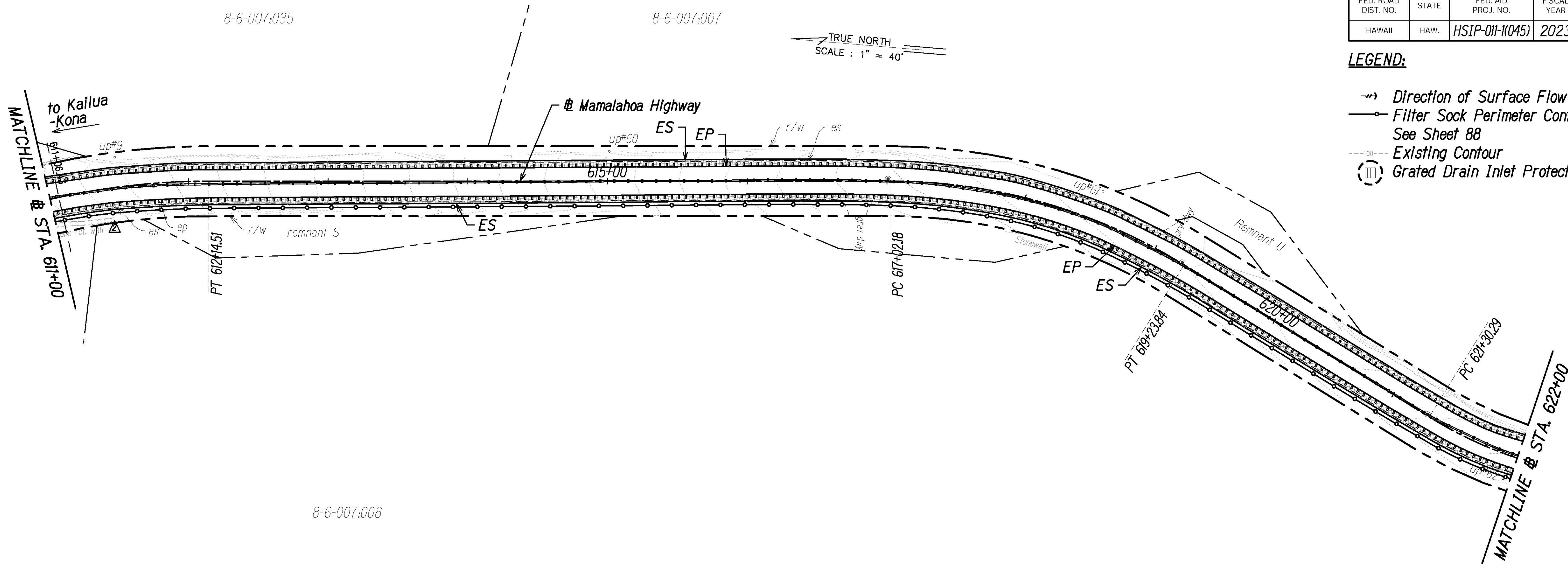
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10/23/23	BMPs Added
Date	Description
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
EROSION AND SEDIMENT CONTROL PLAN	
MAMALAHOA HIGHWAY SAFETY IMPROVEMENTS Vicinity of Haleili Street and Bruner Road Federal-Aid Project No. HSIP-011-1(045) Scale: 1"=40' Date: September 2023	
SHEET No. 18 OF 26 SHEETS	

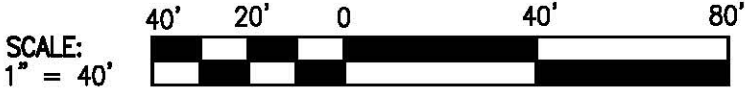
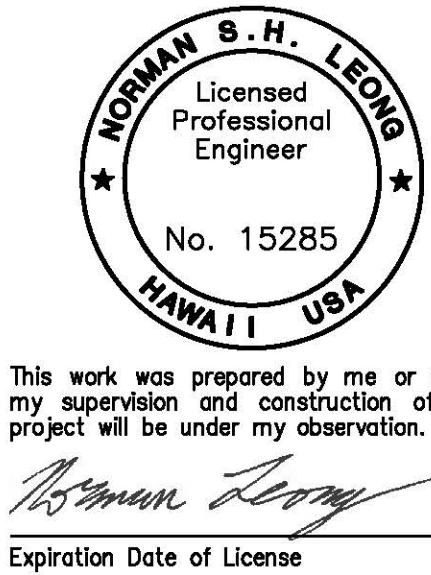
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	ADD. 107	114

- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - ▢ Grated Drain Inlet Protection



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10/23/23	BMPs Added
Date	Description
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
EROSION AND SEDIMENT CONTROL PLAN	
MAMALAHOA HIGHWAY SAFETY IMPROVEMENTS Vicinity of Haleili Street and Bruner Road Federal-Aid Project No. HSIP-011-1(045) Scale: 1"=40' Date: September 2023	
SHEET No. 19 OF 26 SHEETS	

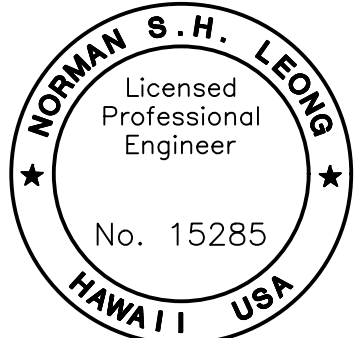


SURVEY PLOTTED BY	DATE
DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	108	114

- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 108
 - Existing Contour
 - Grading Limits
 - Grated Drain Inlet Protection

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Expiration Date of License 4/24

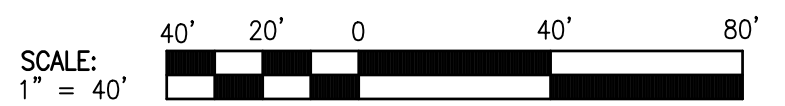
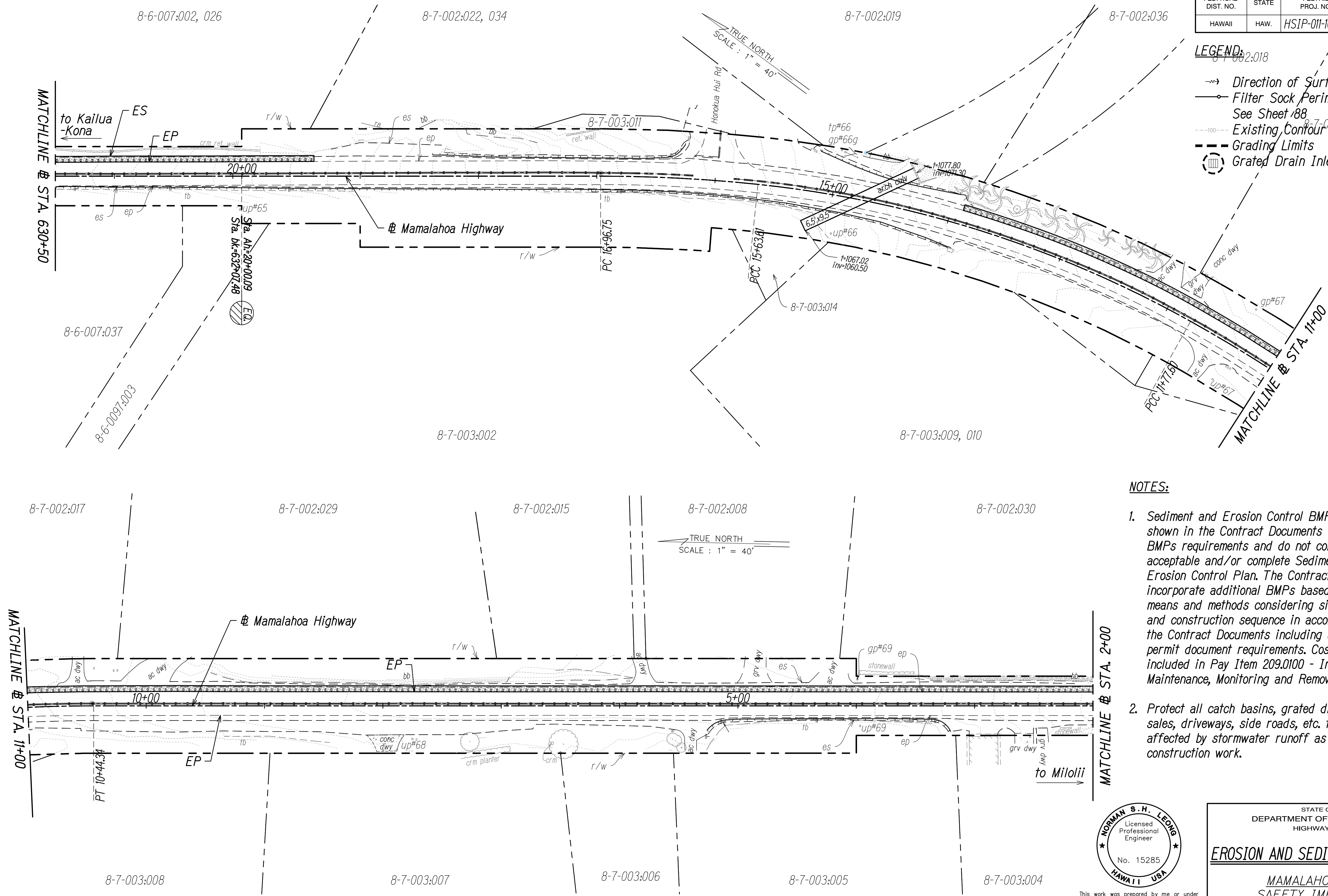
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

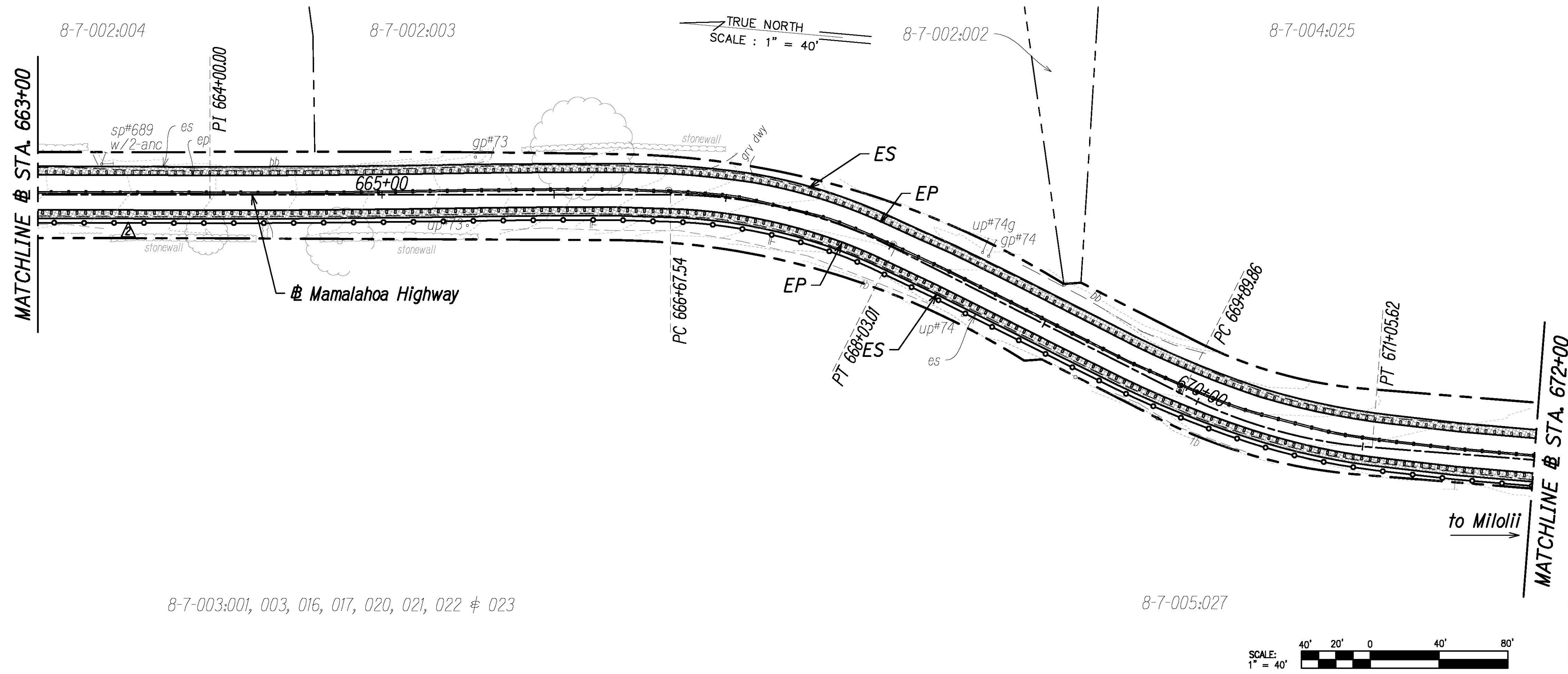
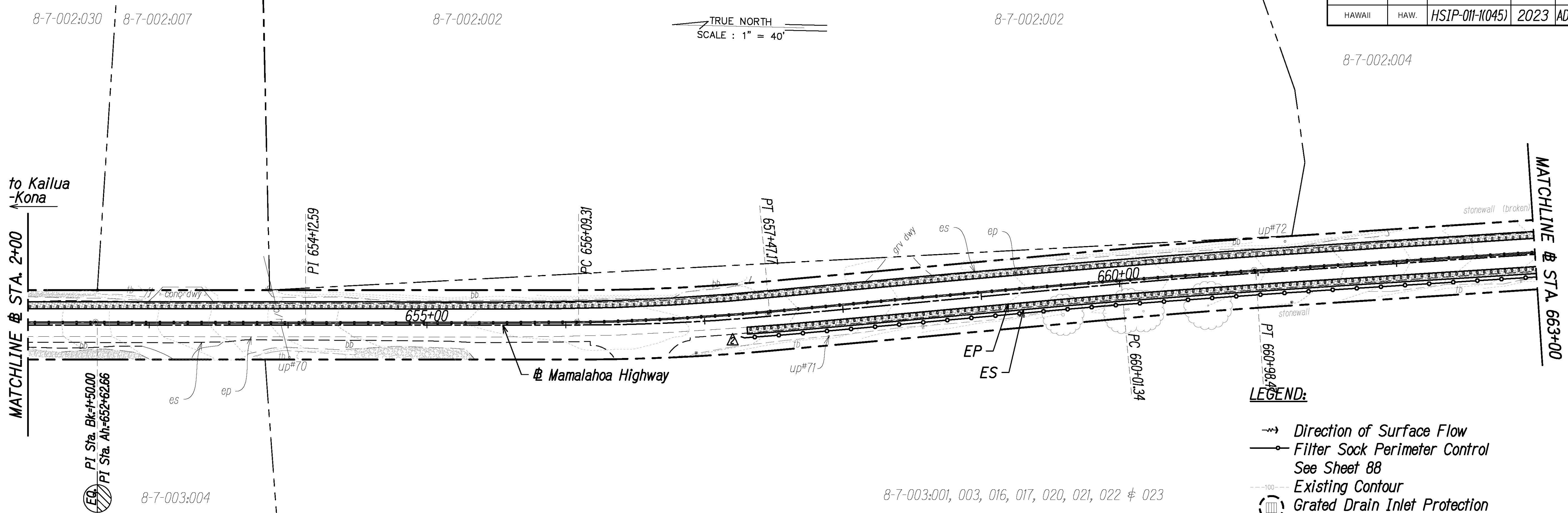
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)

Scale: 1"=40' Date: September 2023

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



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	ADD. 109	114



ORIGINAL PLAN	DATE
NOTED BY	" "
DESIGNED BY	" "
CHECKED BY	" "

NORMAN S. H. LEONG
Licensed Professional Engineer
No. 15285
HAWAII USA

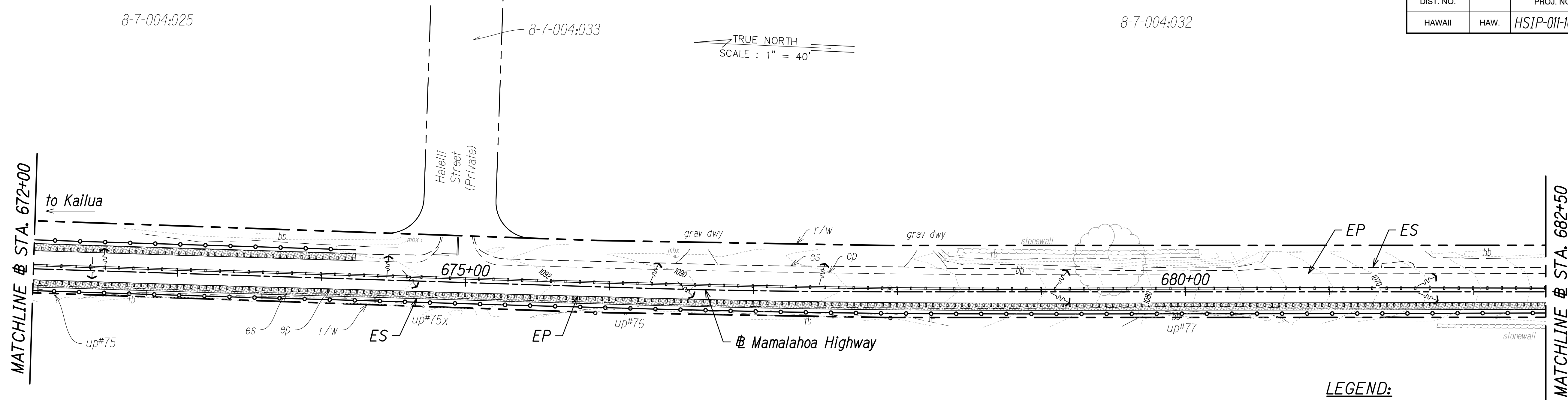
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Expiration Date of License 4/24

10/23/23	BMPs Added
Date	Description
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
EROSION AND SEDIMENT CONTROL PLAN	
MAMALAHOA HIGHWAY SAFETY IMPROVEMENTS Vicinity of Haleili Street and Bruner Road Federal-Aid Project No. HSIP-011-1(045) Scale: 1"=40' Date: September 2023	
SHEET No. 21 OF 26 SHEETS	

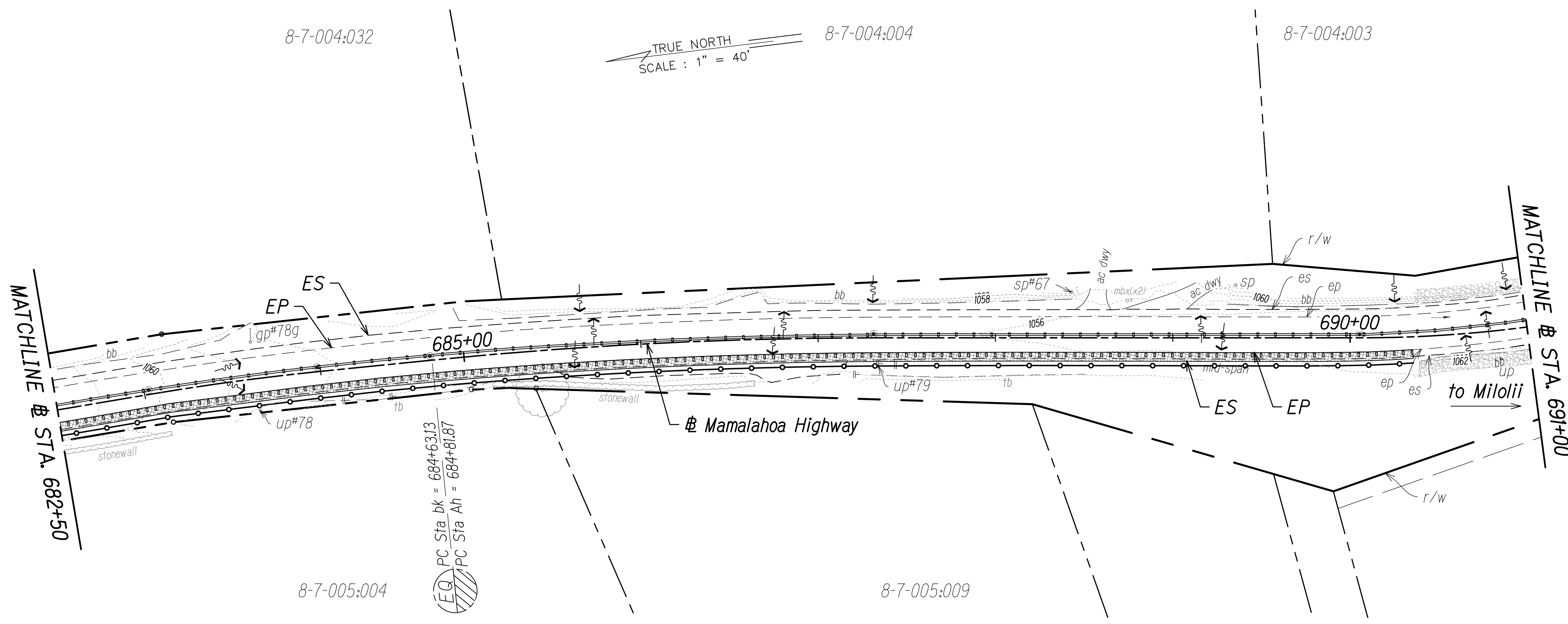


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	110	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

**MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS**

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

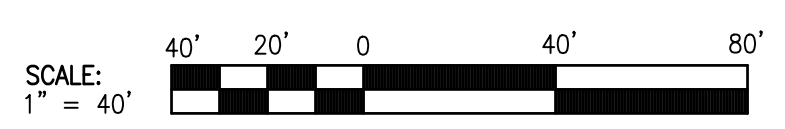
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SHEET No. 22 OF 26 SHEETS

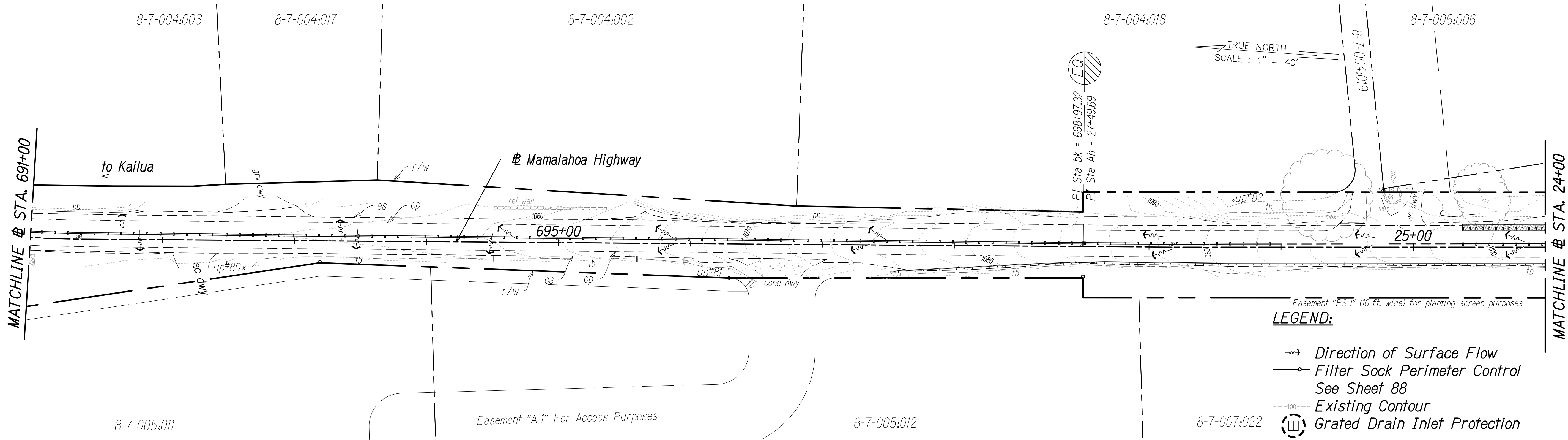
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SURVEY PLOTTED BY	DATE
DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "

ORIGINAL PLAN	No.
NOTE BOOK	No.



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	111	114



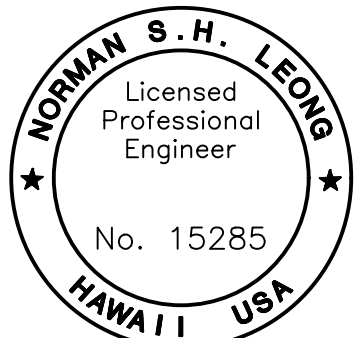
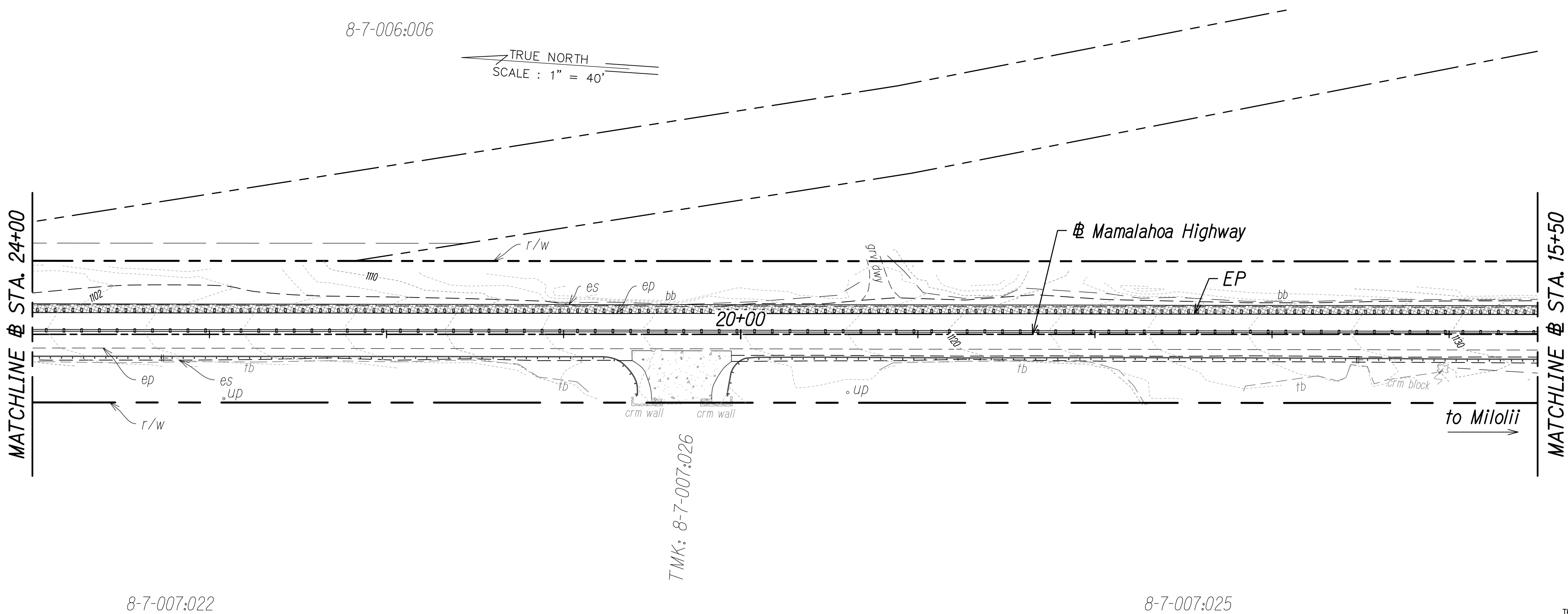
LEGEND:

- Direction of Surface Flow
- Filter Sock Perimeter Control See Sheet 88
- Existing Contour
- Grated Drain Inlet Protection

NOTES:

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



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Norman S. H. Leong
Expiration Date of License 4/24



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

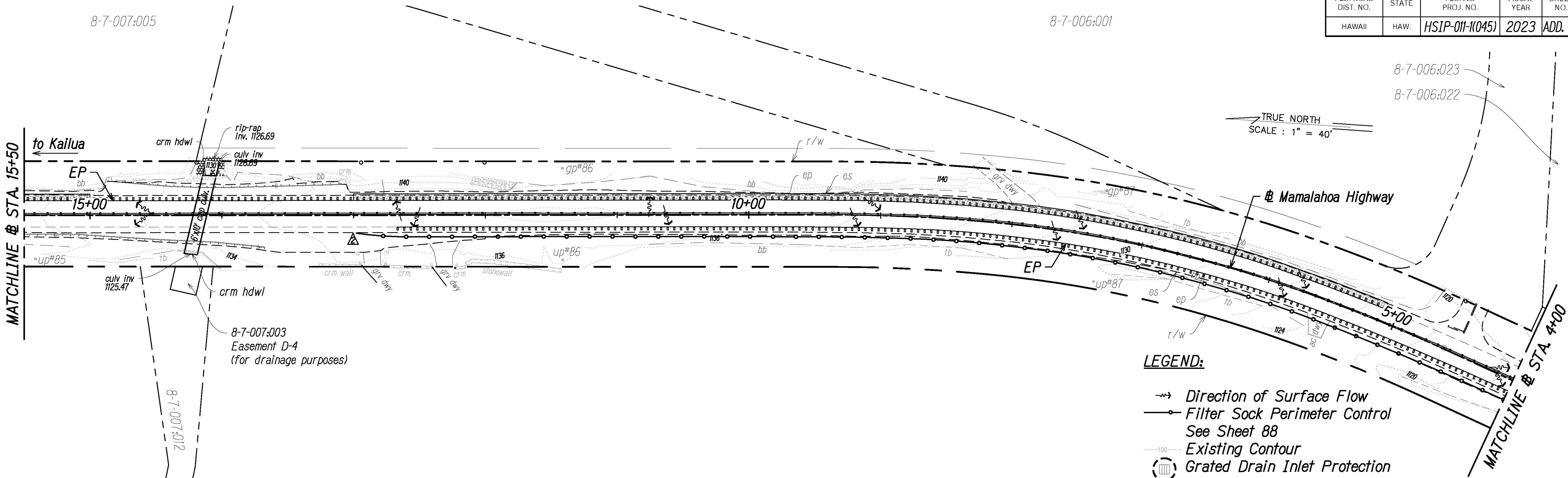
EROSION AND SEDIMENT CONTROL PLAN

**MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS**

Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: 1"=40' Date: September 2023

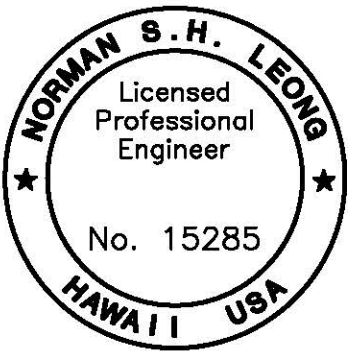
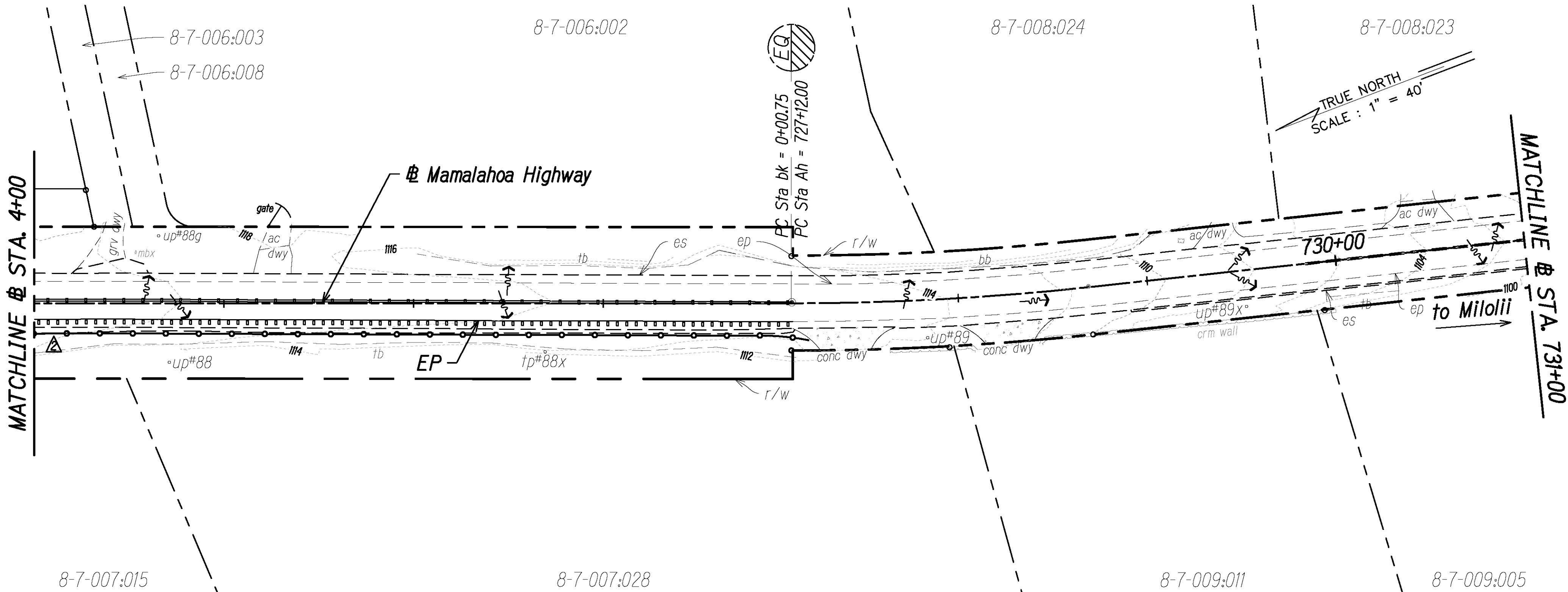
SHEET No. 23 OF 26 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	ADD. 112	114



- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection

- NOTES:**
- Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute as acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring and Removal of BMP.
 - Protect all catch basins, grated drain inlets, sales, driveways, side roads, etc. that may be affected by stormwater runoff as a result of construction work.

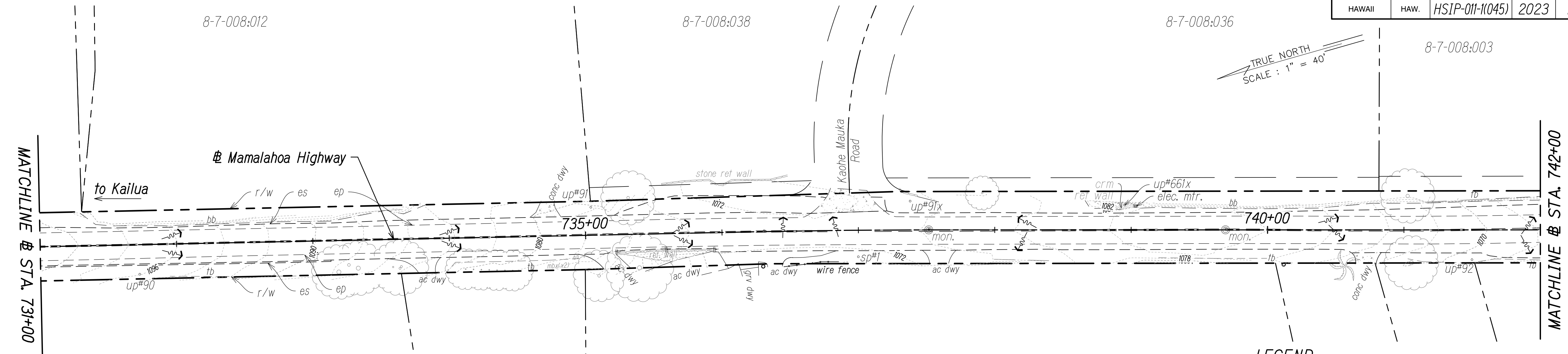


This work was prepared by me or under my supervision and construction of this project will be under my observation.
Norman Leong
Expiration Date of License 4/24

Date	Description
10/23/23	BMPs Added
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
EROSION AND SEDIMENT CONTROL PLAN	
MAMALAHOA HIGHWAY SAFETY IMPROVEMENTS Vicinity of Haleili Street and Bruner Road Federal-Aid Project No. HSIP-011-1(045) Scale: 1"=40' Date: September 2023	

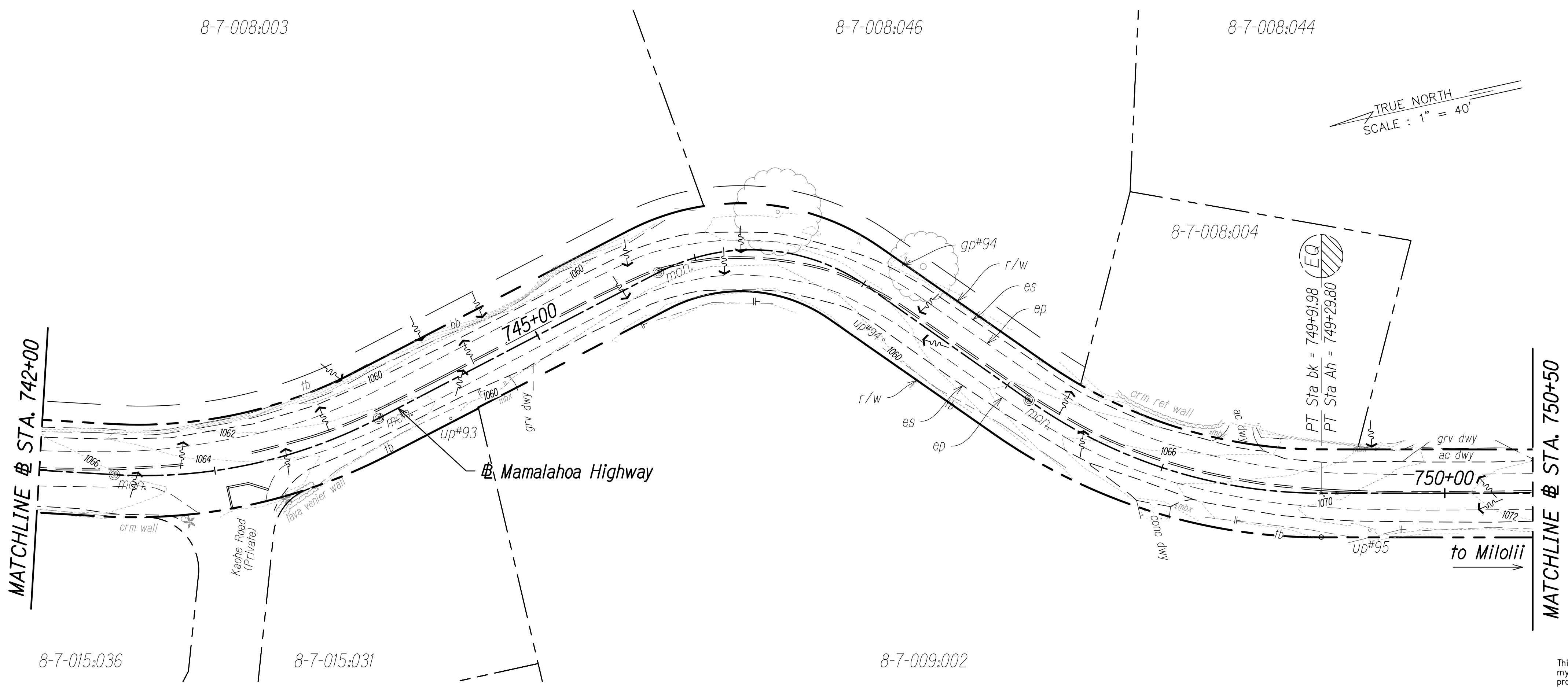
SURVEY PLOTTED BY	DATE
DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	113	114



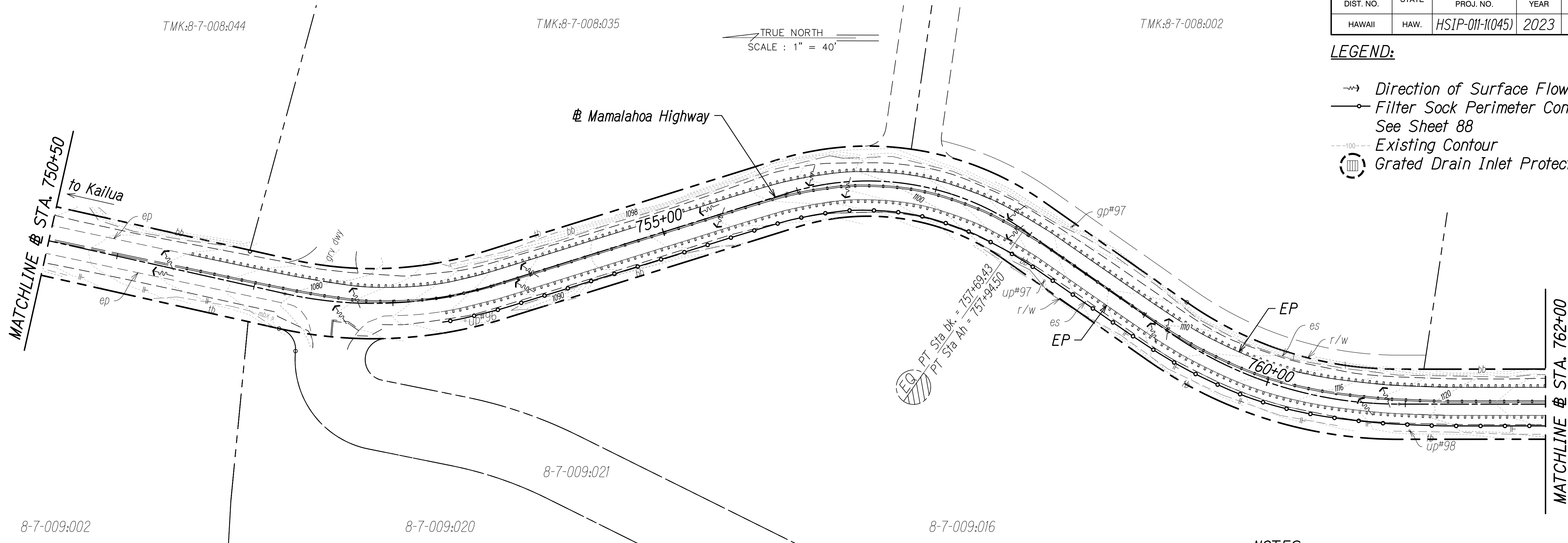
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 - Existing Contour
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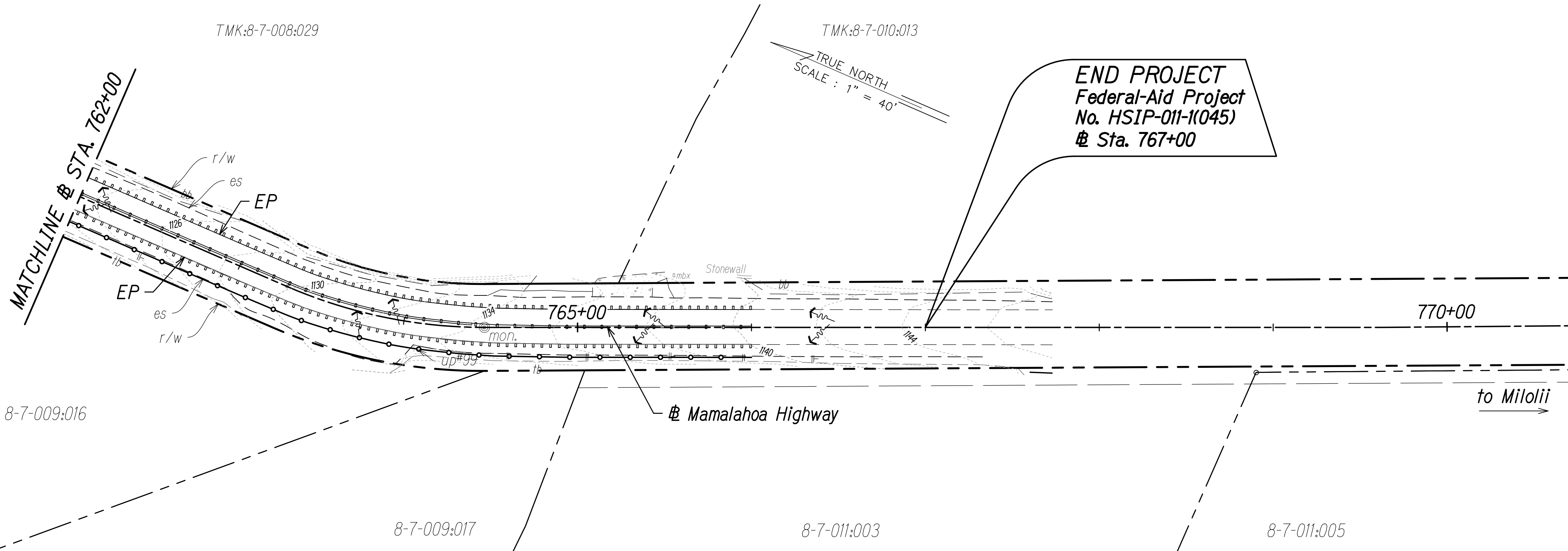


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-011-1(045)	2023	114	114

- LEGEND:**
- Direction of Surface Flow
 - Filter Sock Perimeter Control See Sheet 88
 - Existing Contour
 - Grated Drain Inlet Protection



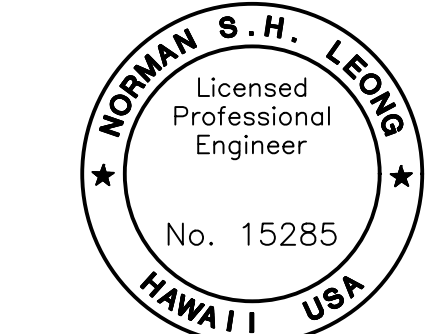
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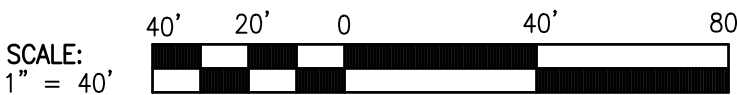
END PROJECT
Federal-Aid Project
No. HSIP-011-1(045)
Sta. 767+00

SURVEY PLOTTED BY	DATE
DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "

ORIGINAL PLAN	No.
NOTE BOOK	No.



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Norman S. H. Leong
Expiration Date of License 4/24



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION AND SEDIMENT CONTROL PLAN

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HSIP-011-1(045)
Scale: 1"=40' Date: September 2023

SHEET No. 26 OF 26 SHEETS