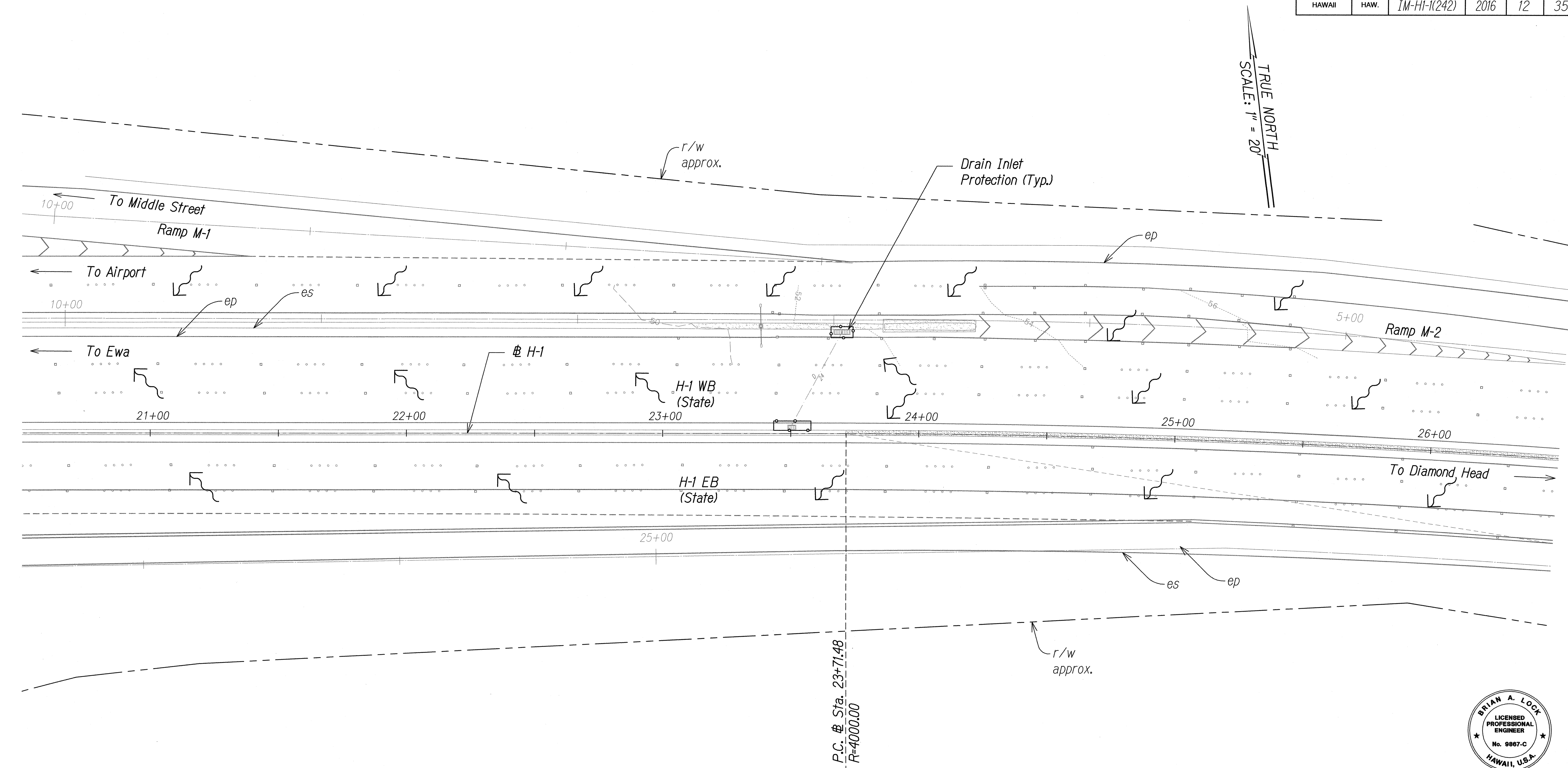
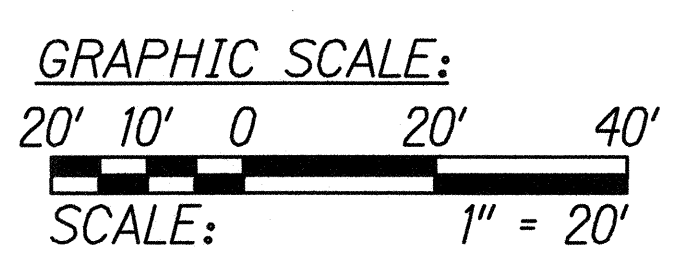


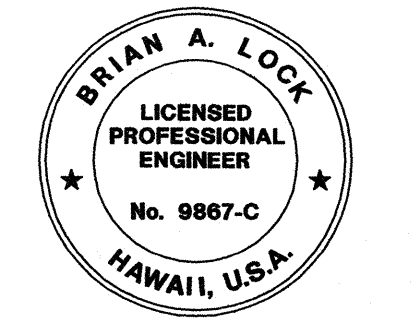
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	12	354



- Legend:**
- x—x— Silt Fence or Filter Sock
 - Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↔ Surface Flow Direction



STA. 20+50 TO 26+50 (H-1)

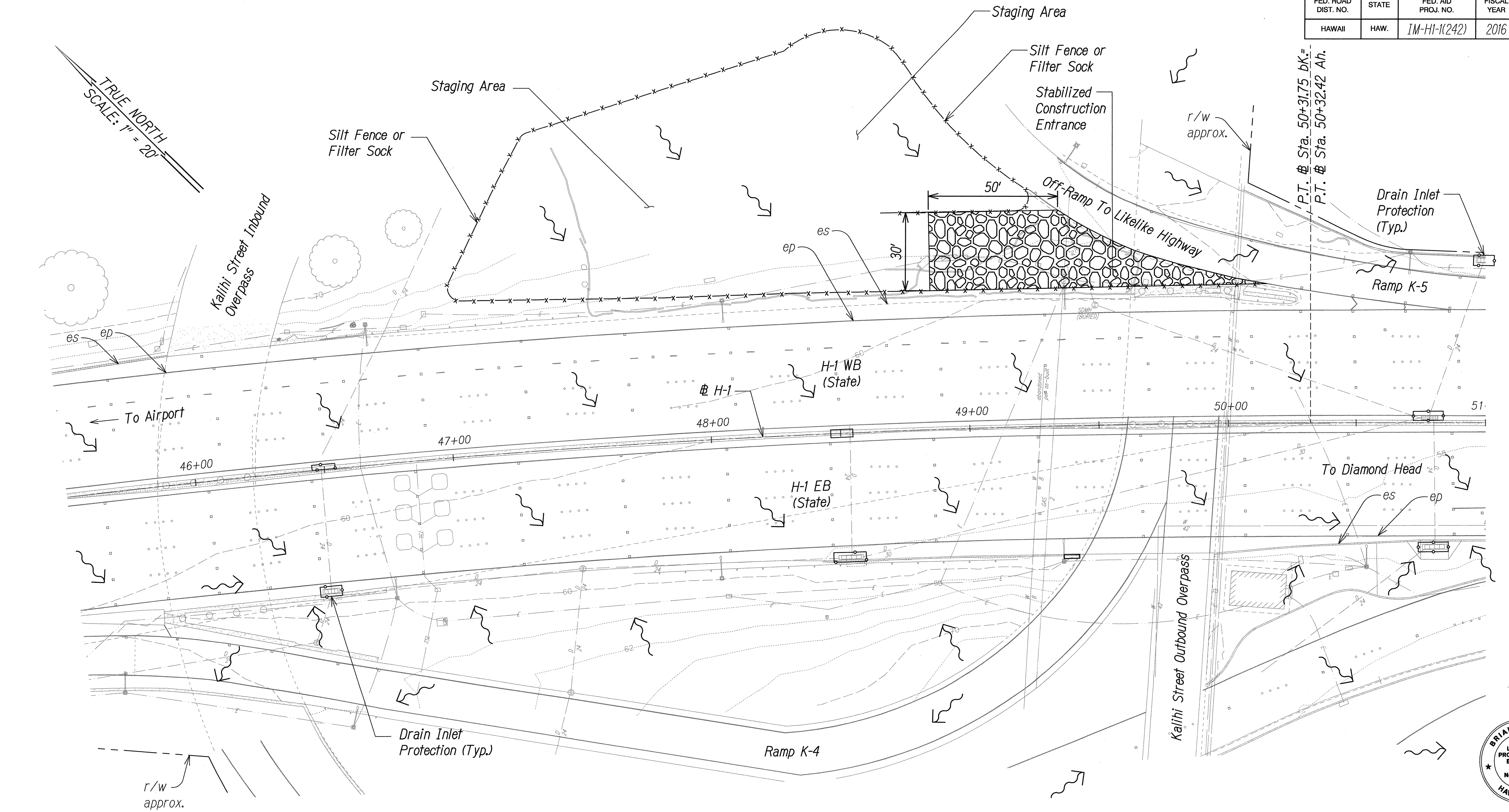


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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

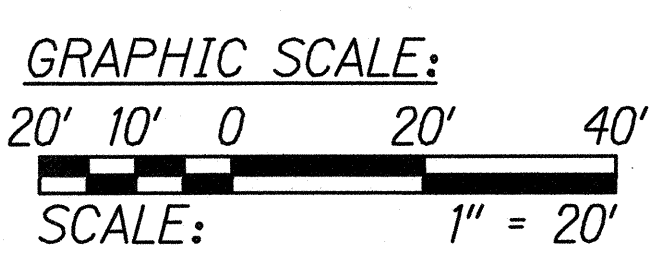
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
H201 EXIT
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-HI-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-1 OF 16 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	13	354

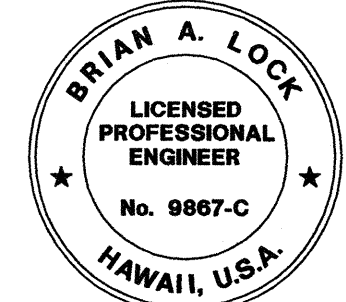


- Legend:**
- x—x— Silt Fence or Filter Sock
 - o—o— Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↖ Surface Flow Direction



STA. 45+50 TO 51+00 (# H-1)

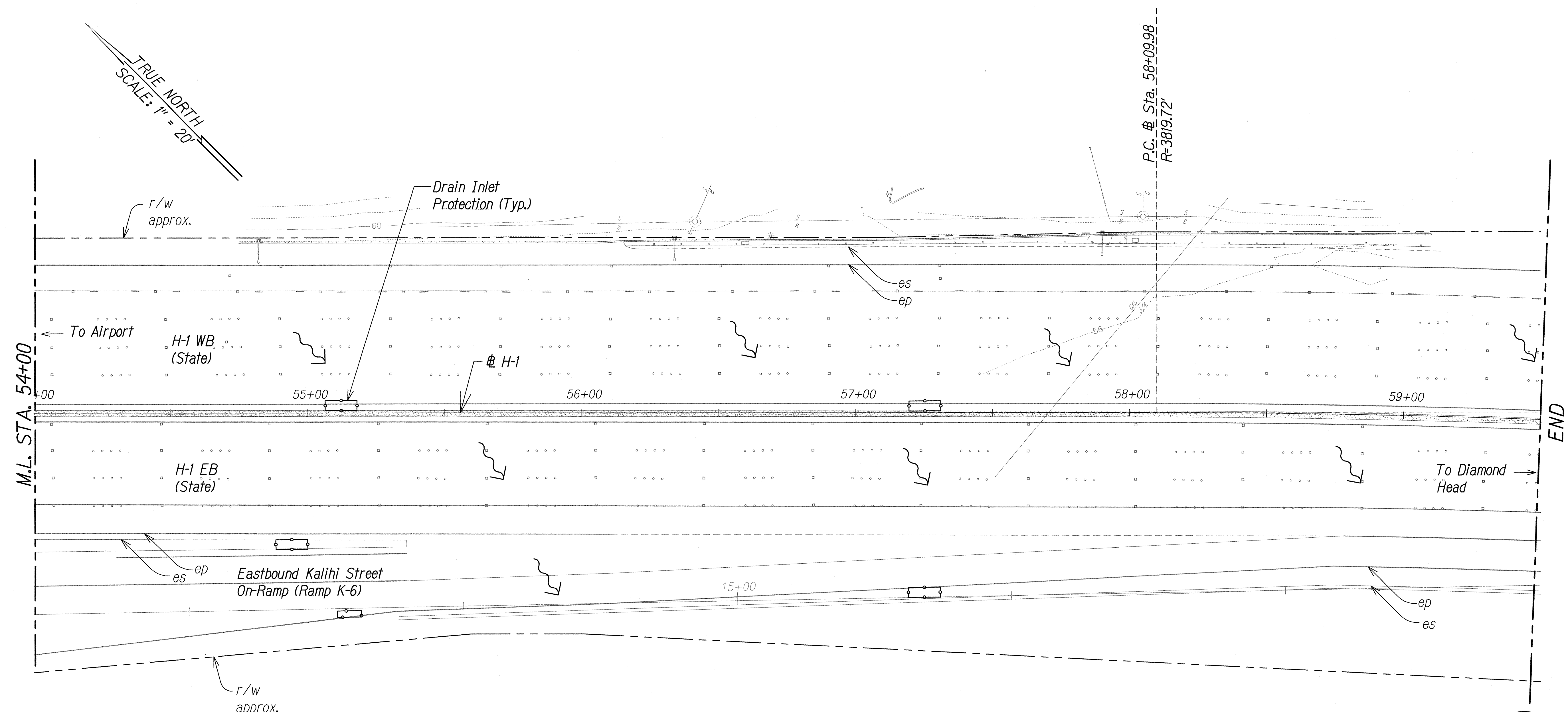
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	No.
NOTE BOOK	



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 APRIL 30, 2016
 LIC. EXP. DATE

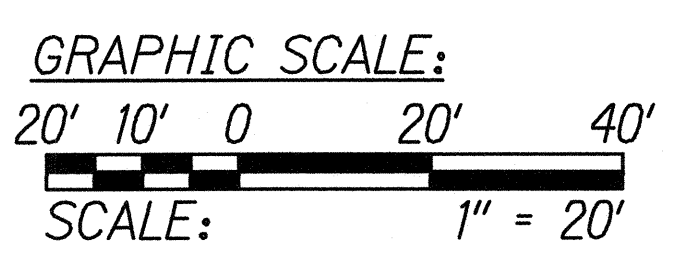
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
KALIHI INTERCHANGE
EROSION CONTROL PLAN
 INTERSTATE ROUTE H-1
 GUARDRAIL AND SHOULDER IMPROVEMENTS
 Middle Street to Punchbowl Off-Ramp
 Fed. Aid Project No. IM-H1-1(242)
 Scale: 1" = 20' Date: Mar. 2016
 SHEET No. ECP-2 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	14	354

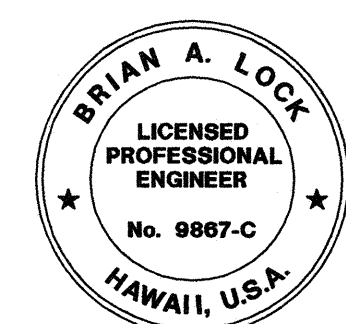


STA. 54+00 TO 59+50 (# H-1)

- Legend:**
- x-x- Silt Fence or Filter Sock
 - Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↖ Surface Flow Direction



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	CHECKED BY	
NOTE BOOK	NO.	
	CHECKED BY	



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

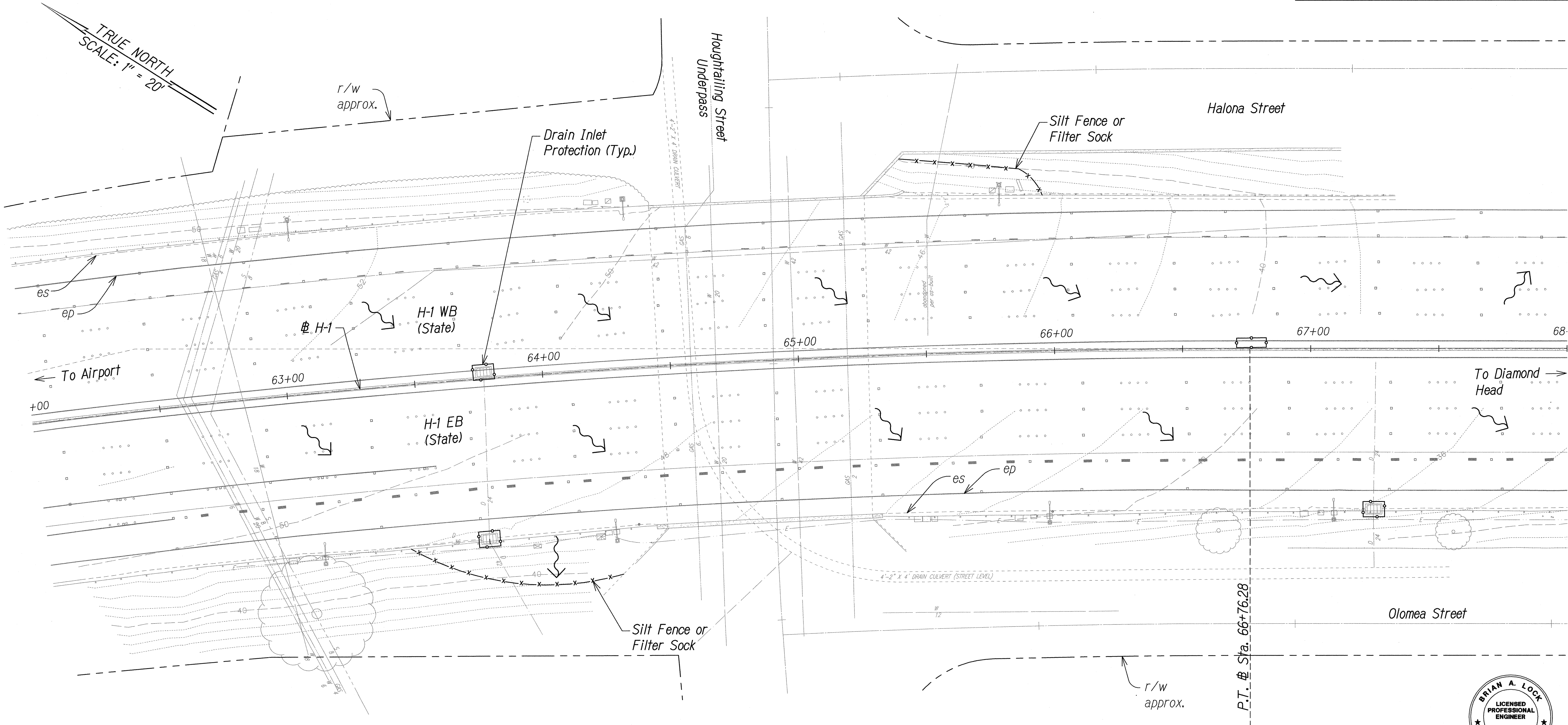
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KALIHI INTERCHANGE
EROSION CONTROL PLAN

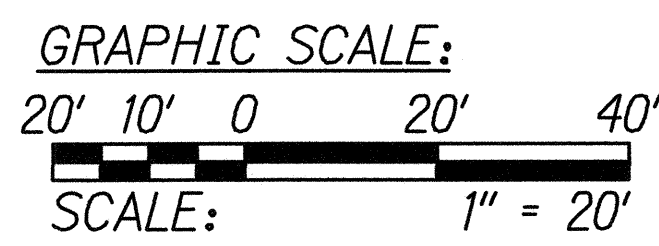
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016

SHEET No. ECP-3 OF 16 SHEETS

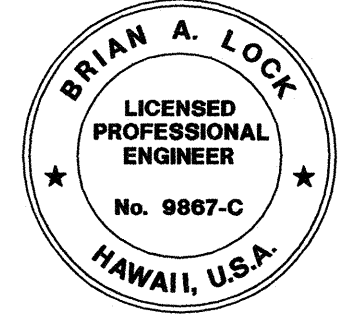
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	15	354



- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - - - Catch Basin Inlet Protection
 - ~ Surface Flow Direction



STA. 62+00 TO 68+00 (# H-1)

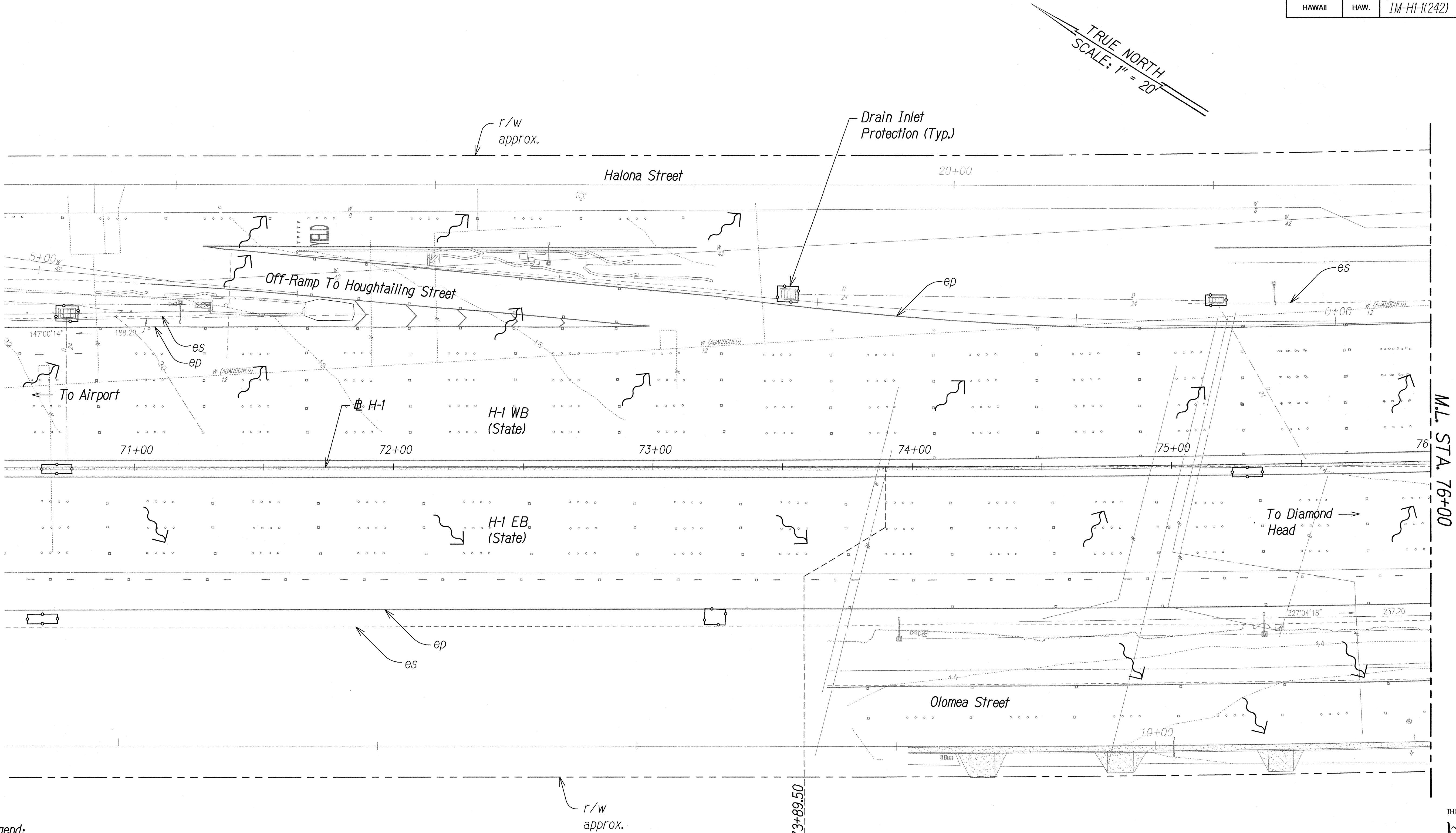


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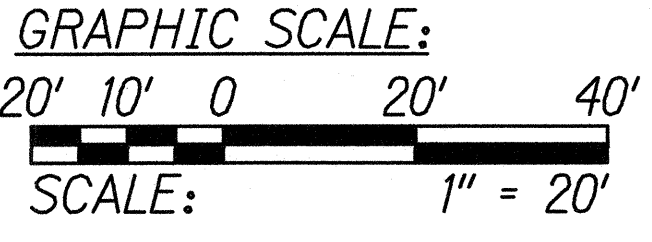
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**HOUGHTAILING SEPARATION
EROSION CONTROL PLAN**
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-4 OF 16 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED 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.	1M-H1-1(242)	2016	16	354

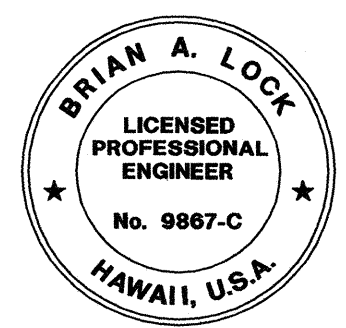


- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↖ Surface Flow Direction



STA. 70+50 TO 76+00 (# H-1)

P.C. # Sta. 73+89.50
R=10000'



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Mish

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

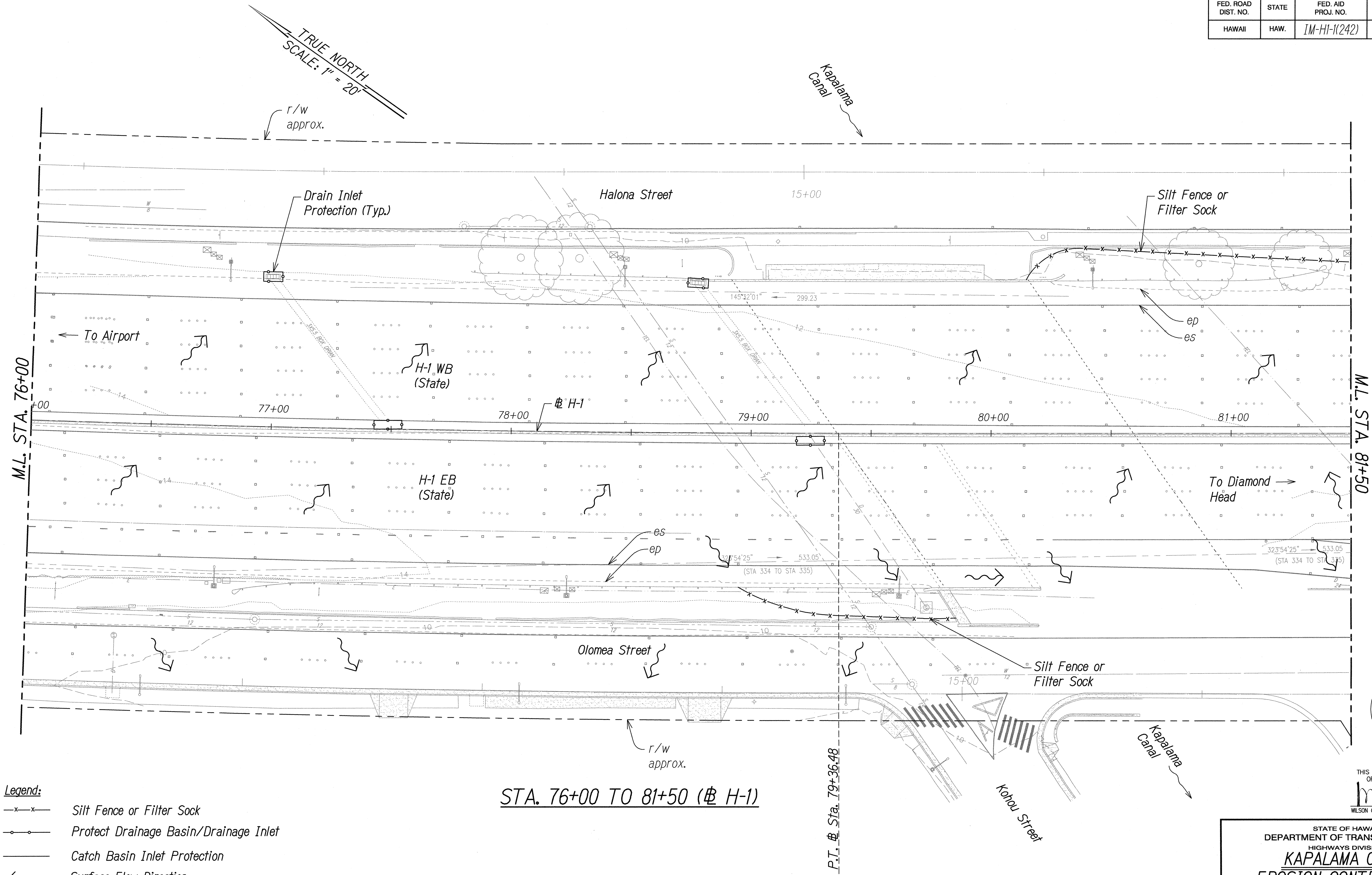
**HOUGHTAILING SEPARATION
EROSION CONTROL PLAN**

INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)

Scale: 1" = 20' Date: Mar. 2016

SHEET No. ECP-5 OF 16 SHEETS

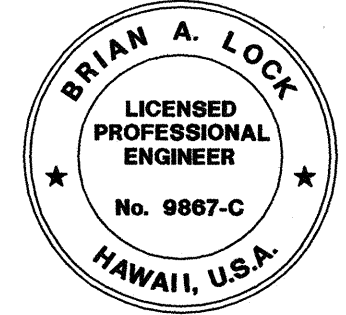
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	17	354



- Legend:**
- x — Silt Fence or Filter Sock
 - o — Protect Drainage Basin/Drainage Inlet
 - — Catch Basin Inlet Protection
 - — Surface Flow Direction

GRAPHIC SCALE:
 20' 10' 0 20' 40'
 SCALE: 1" = 20'

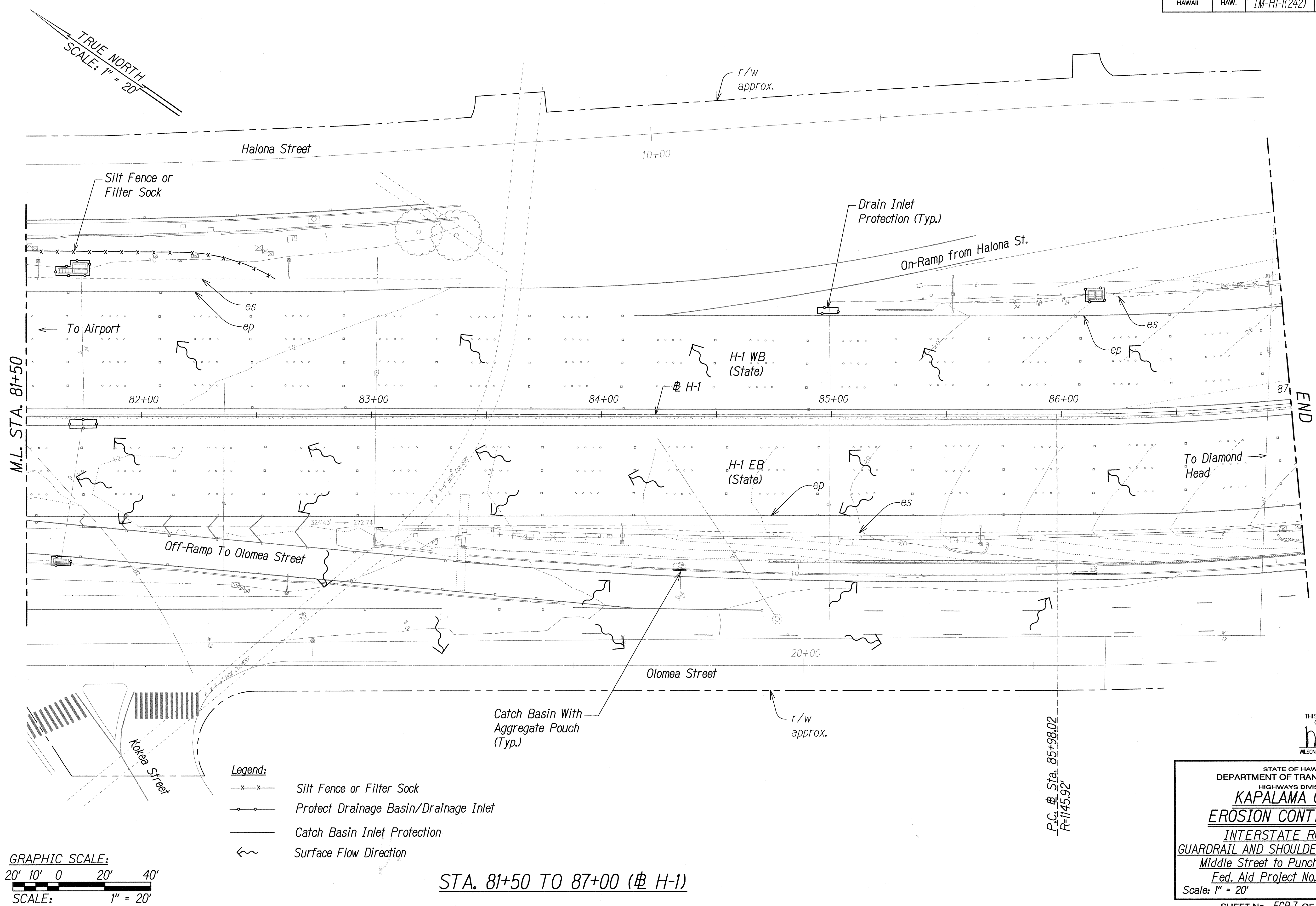
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY	DESIGNED BY	DESIGNED BY
QUANTITIES BY	QUANTITIES BY	QUANTITIES BY
CHECKED BY	CHECKED BY	CHECKED BY
No.	No.	No.



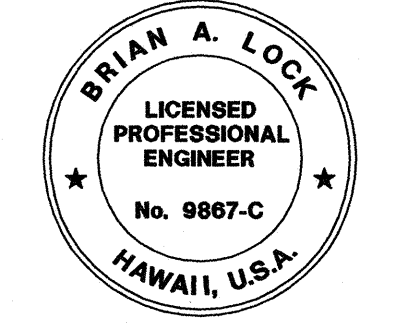
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 WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
KAPALAMA CANAL
EROSION CONTROL PLAN
 INTERSTATE ROUTE H-1
 GUARDRAIL AND SHOULDER IMPROVEMENTS
 Middle Street to Punchbowl Off-Ramp
 Fed. Aid Project No. 1M-H1-1(242)
 Scale: 1" = 20' Date: Mar. 2016
 SHEET No. ECP-6 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	18	354



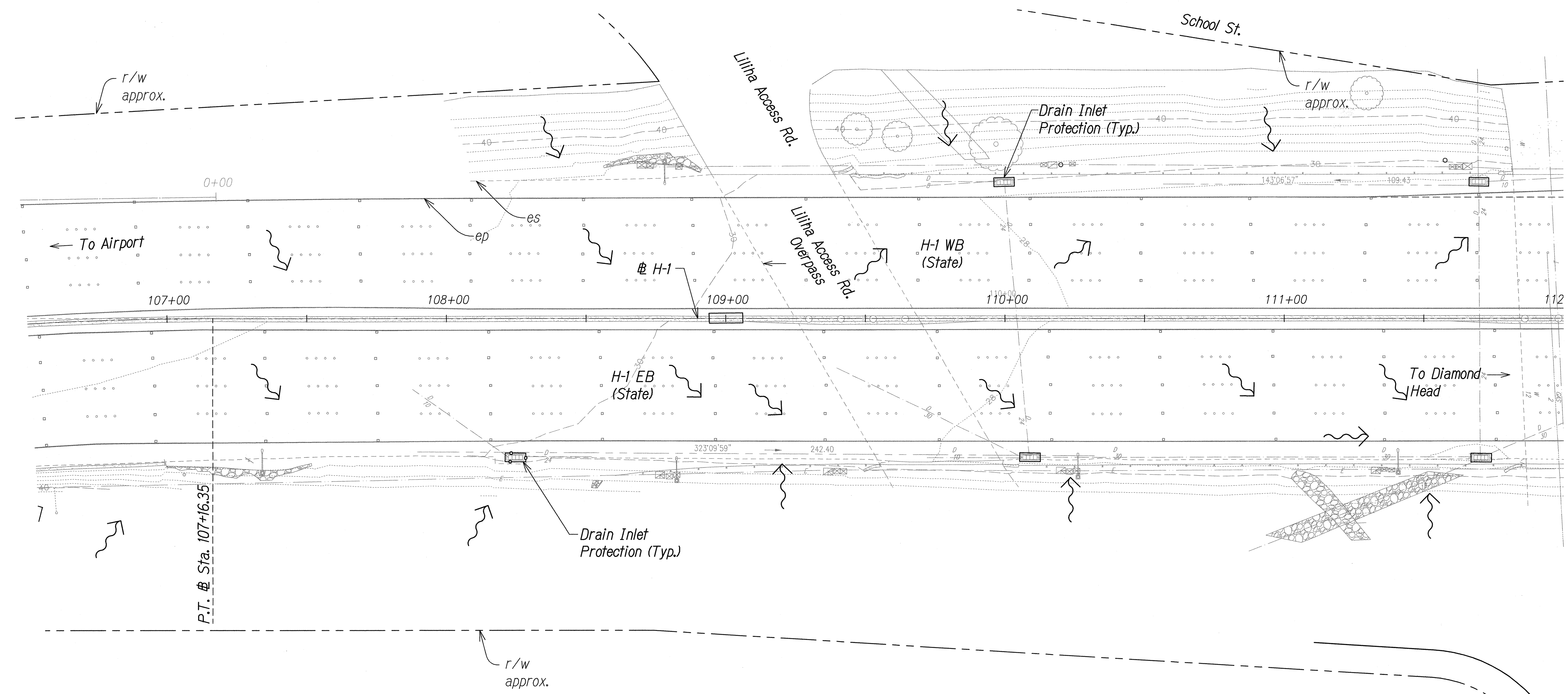
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		



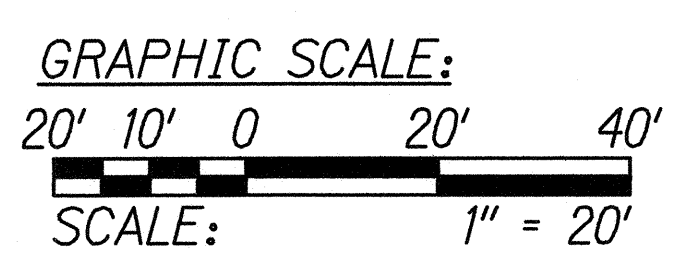
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	19	354

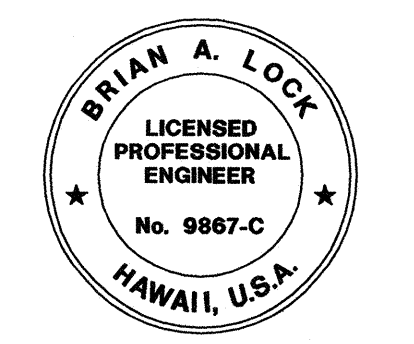
TRUE NORTH
SCALE: 1" = 20'



- Legend:**
- x-x- Silt Fence or Filter Sock
 - Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - Surface Flow Direction



STA. 106+50 TO 112+00 (# H-1)

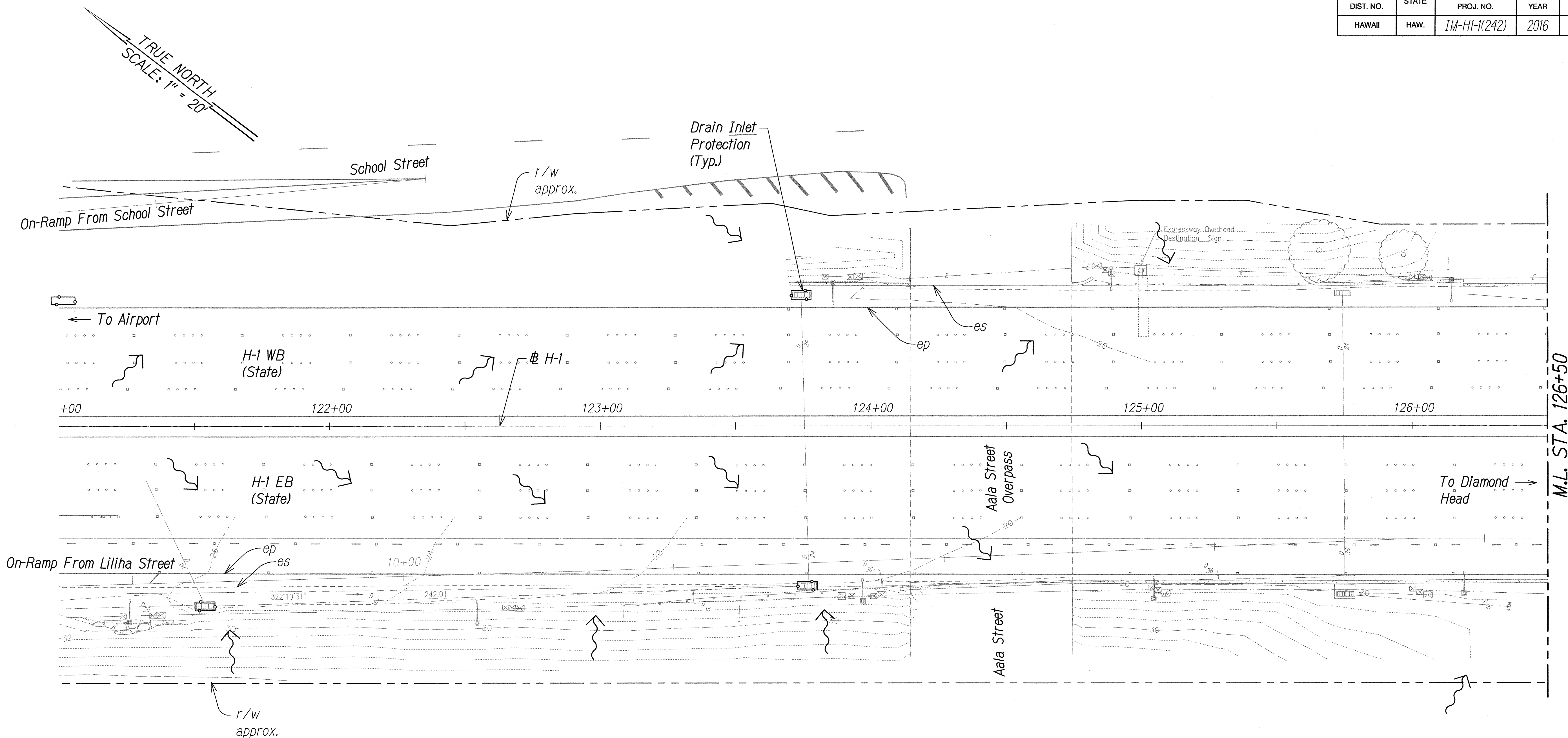


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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LILIHA STREET OVERPASS
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-8 OF 16 SHEETS

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

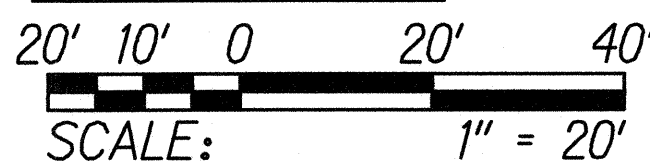
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	20	354



Legend:

- x—x— Silt Fence or Filter Sock
- o—o— Protect Drainage Basin/Drainage Inlet
- Catch Basin Inlet Protection
- ↔ Surface Flow Direction

GRAPHIC SCALE:



STA. 121+00 TO 126+50 (# H-1)



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

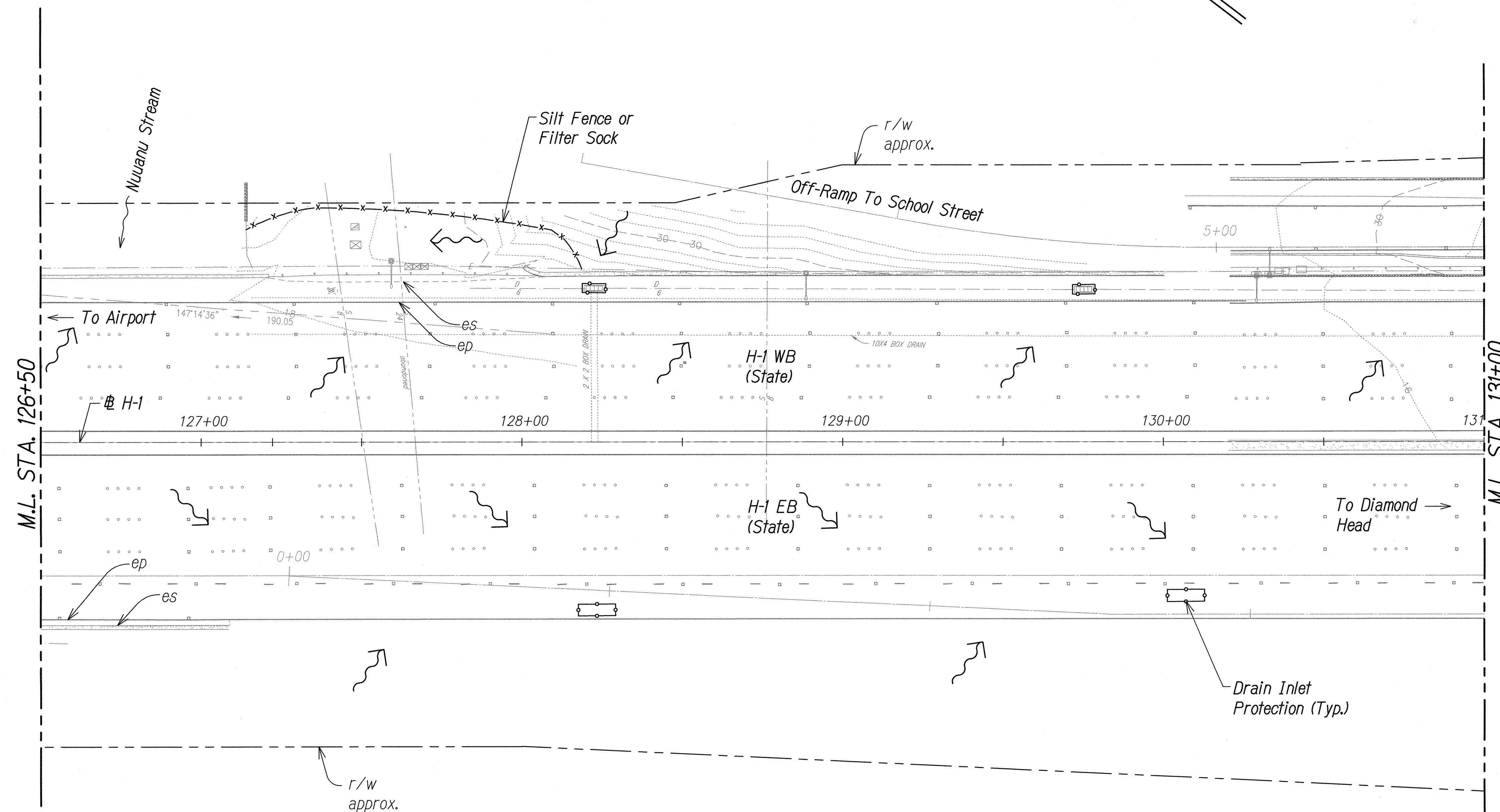
AALA STREET & NUUANU STREAM
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016

SHEET No. ECP-9 OF 16 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	CHECKED BY	
	REVIEWED BY	
	APPROVED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	21	354

TRUE NORTH
SCALE: 1" = 20'



- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - - - Catch Basin Inlet Protection
 - ~ Surface Flow Direction

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'

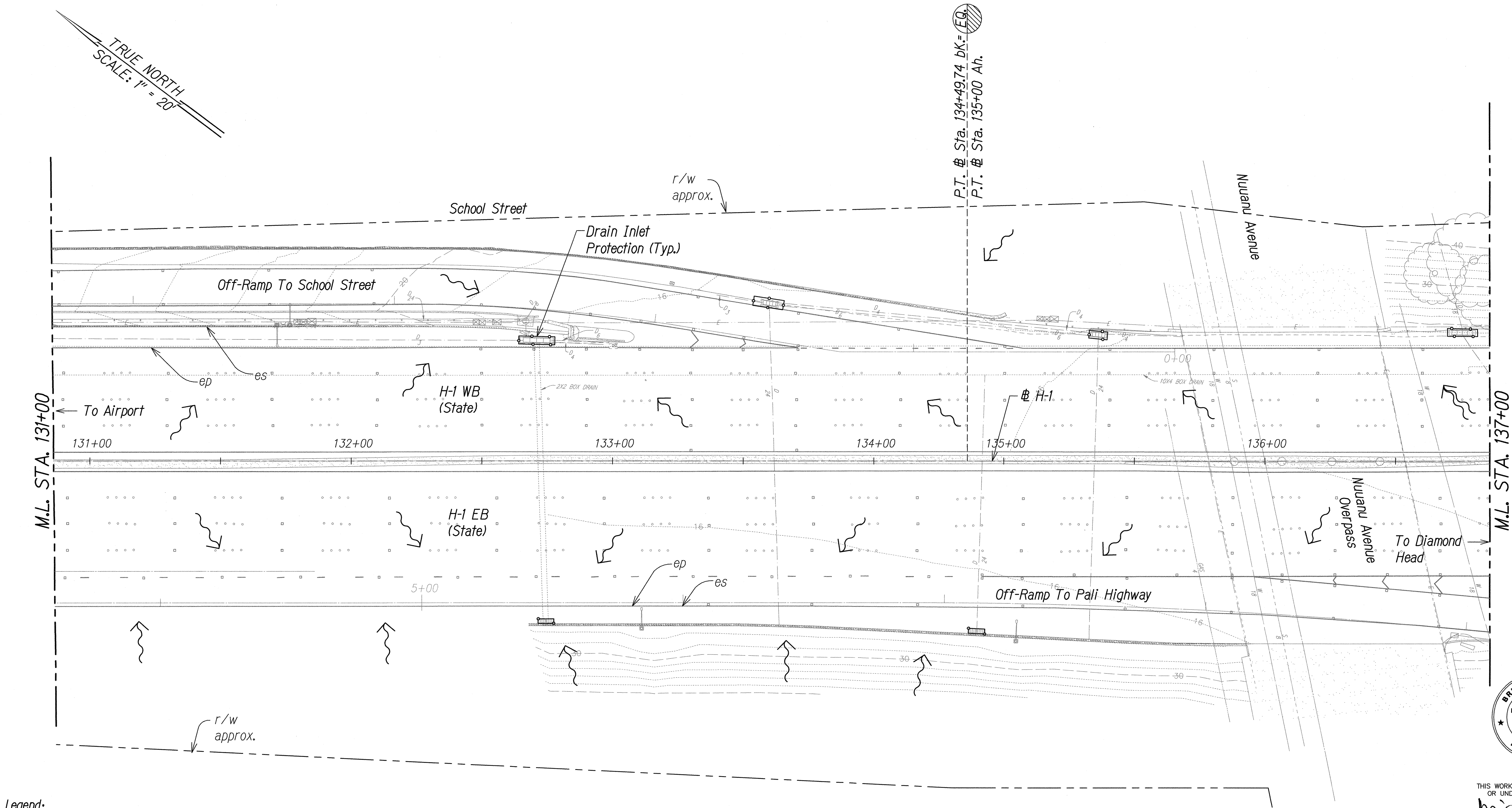
STA. 126+50 TO 131+00 (# H-1)



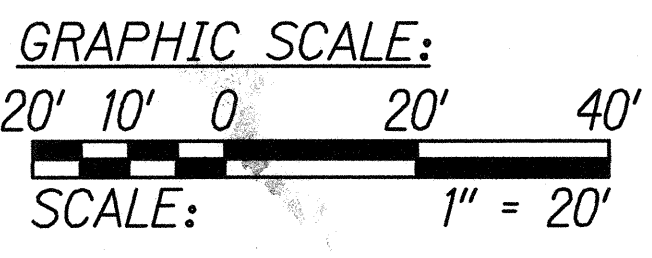
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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-10 OF 16 SHEETS

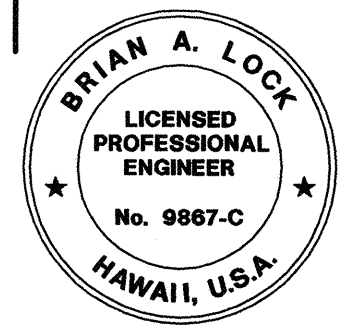
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	22	354



- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↔ Surface Flow Direction



STA. 131+00 TO 137+00 (H-1)

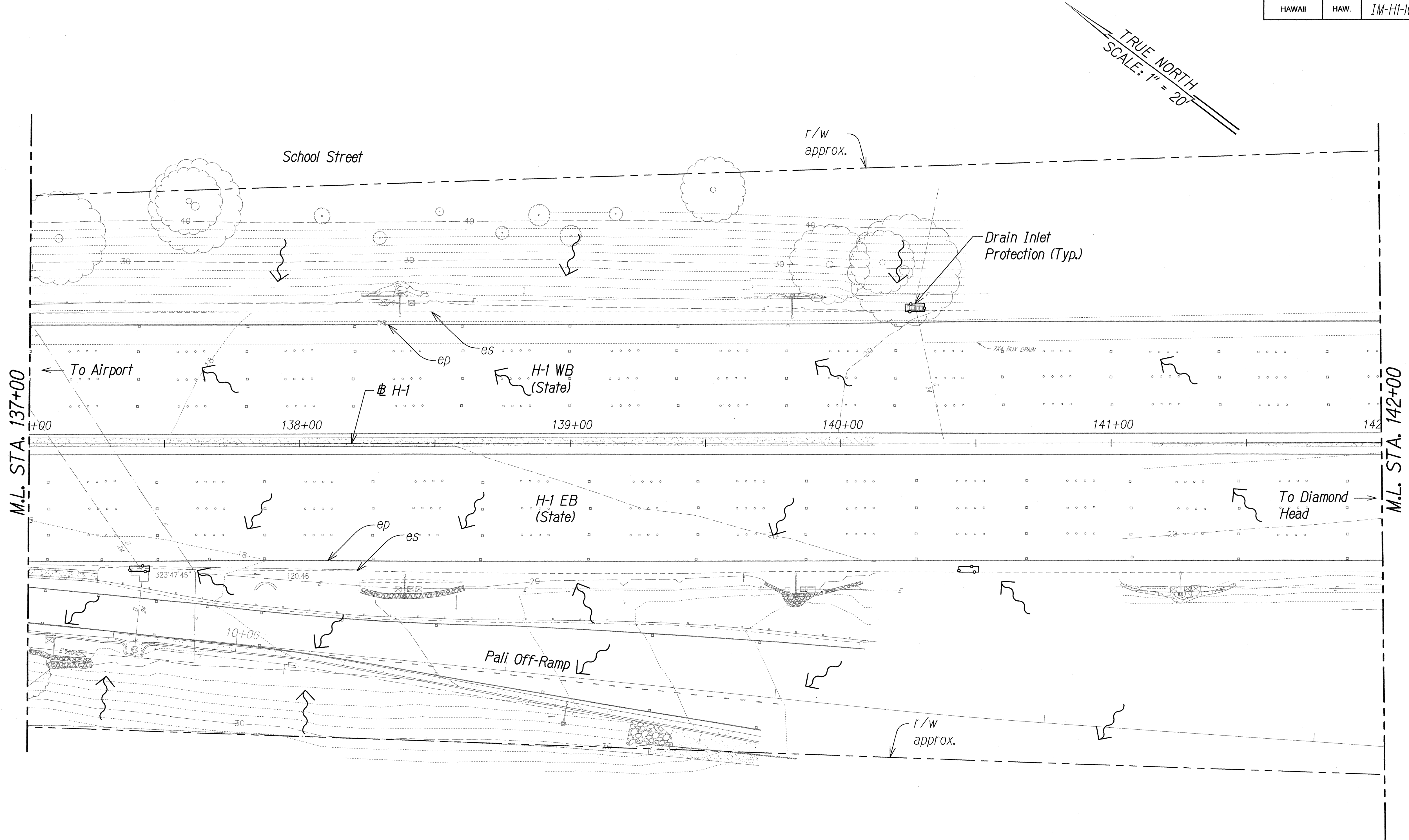


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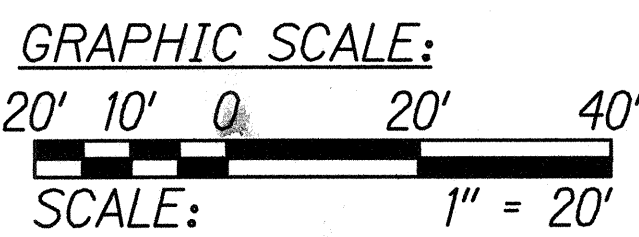
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NUUANU AVENUE
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-11 OF 16 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	23	354



- Legend:**
- x-x- Silt Fence or Filter Sock
 - Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↖ Surface Flow Direction



STA. 137+00 TO 142+00 (H-1)



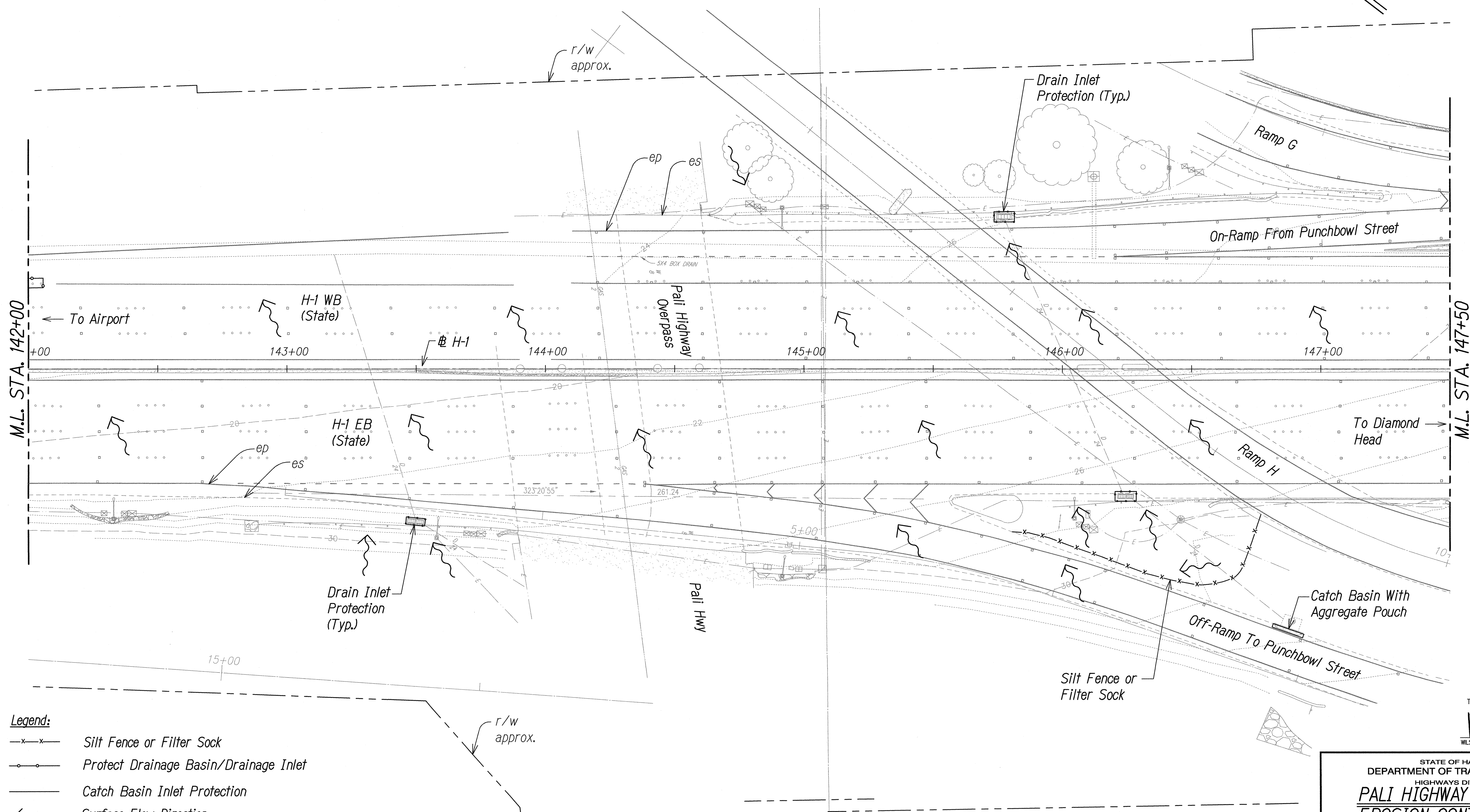
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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NUUANU AVENUE
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-12 OF 16 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	24	354

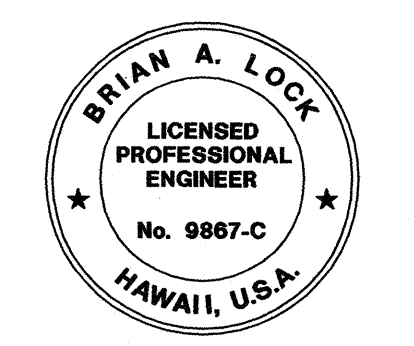
TRUE NORTH
SCALE: 1" = 20'



- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - ▭ Catch Basin Inlet Protection
 - ~~~~~ Surface Flow Direction

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'

STA. 142+00 TO 147+50 (# H-1)

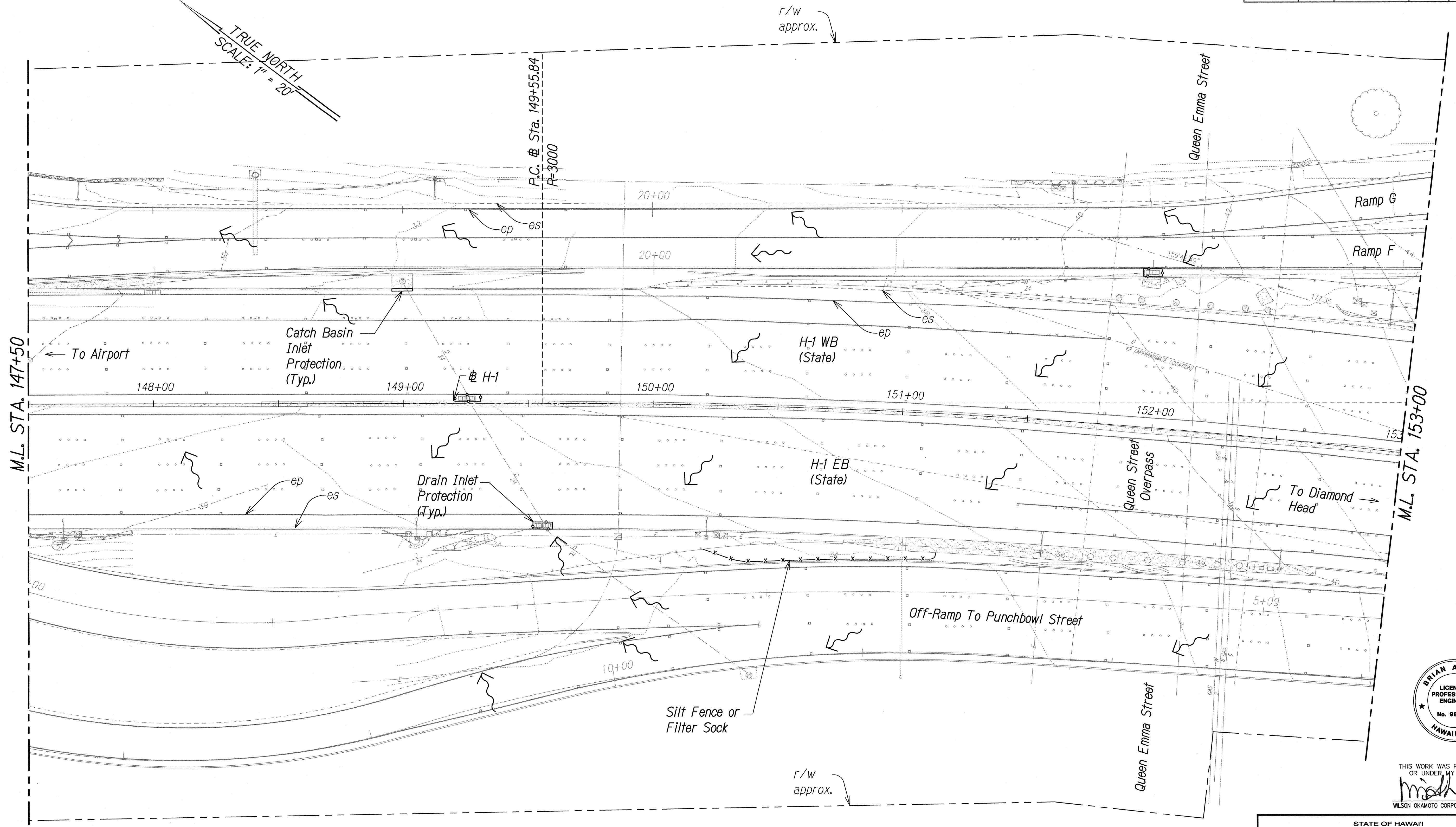


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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

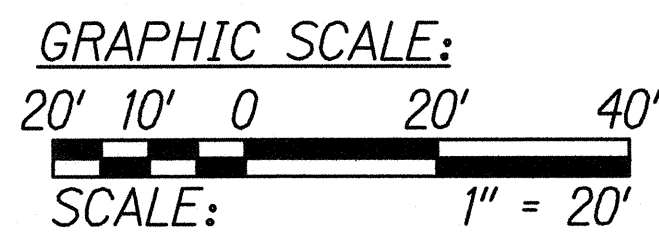
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-HI-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-13 OF 16 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2016	25	354

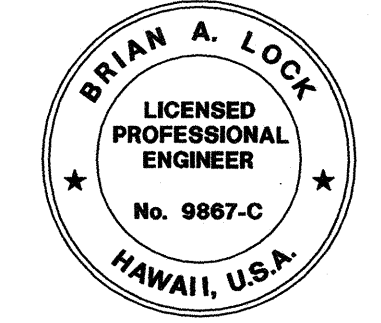


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
No.		



- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - - - Catch Basin Inlet Protection
 - ~ ~ ~ Surface Flow Direction

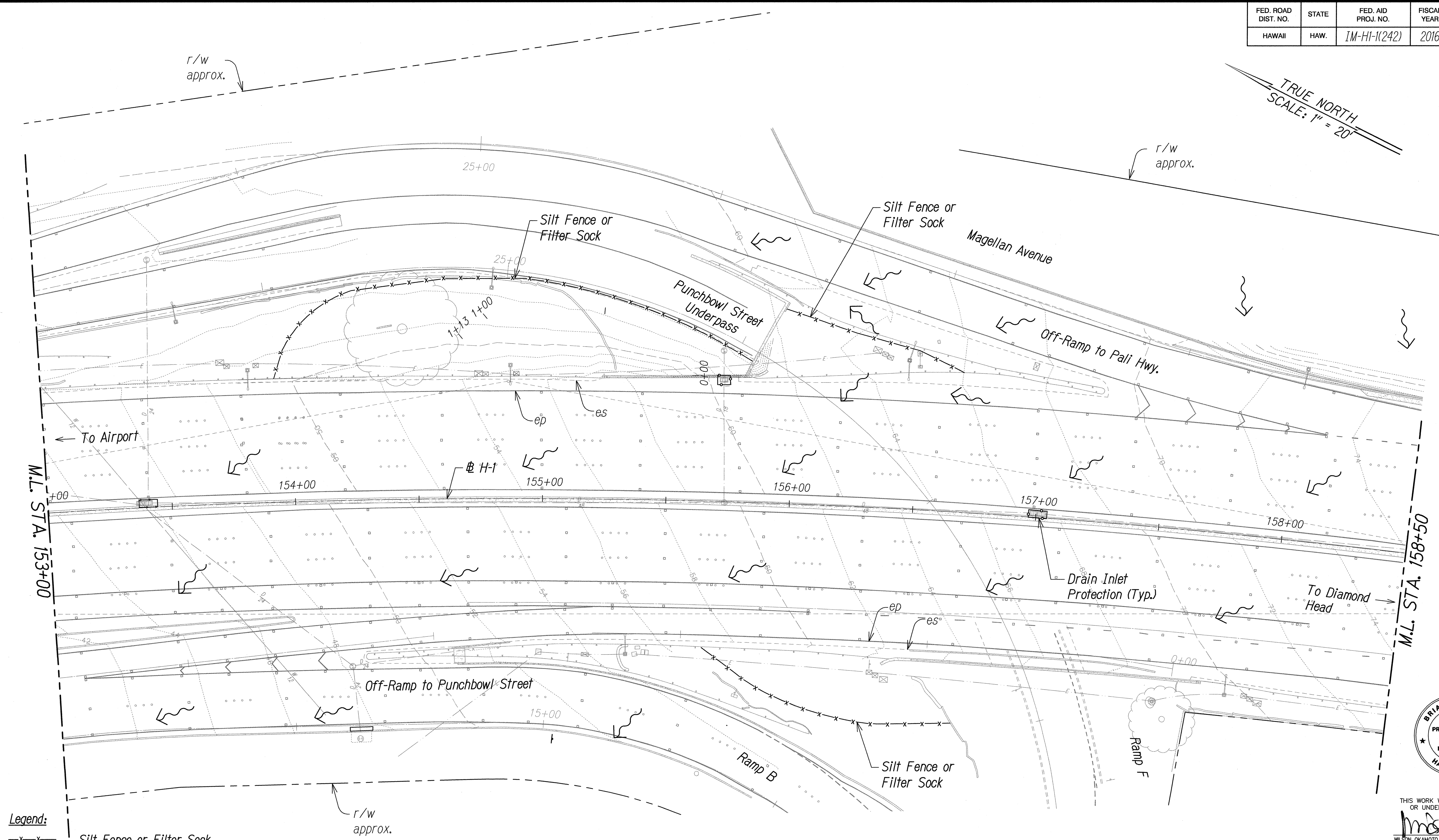
STA. 147+50 TO 153+00 (# H-1)



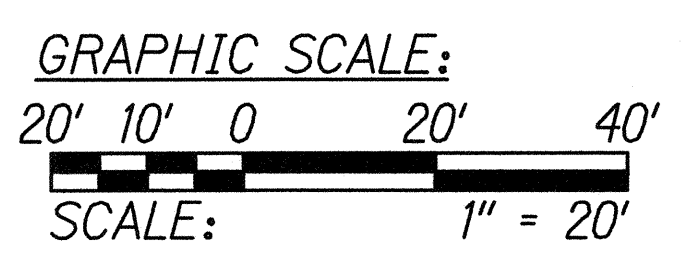
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PALI HIGHWAY OVERPASS
EROSION CONTROL PLAN**
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-HI-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. ECP-14 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	26	354

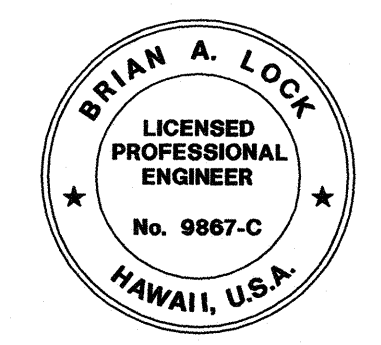


- Legend:**
- x - x - Silt Fence or Filter Sock
 - Protect Drainage Basin/Drainage Inlet
 - ▭ Catch Basin Inlet Protection
 - ~ Surface Flow Direction



STA. 153+00 TO 158+50 (# H-1)

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



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
msh
WILSON OKAMOTO CORPORATION LIC. EXP. DATE APRIL 30, 2018

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

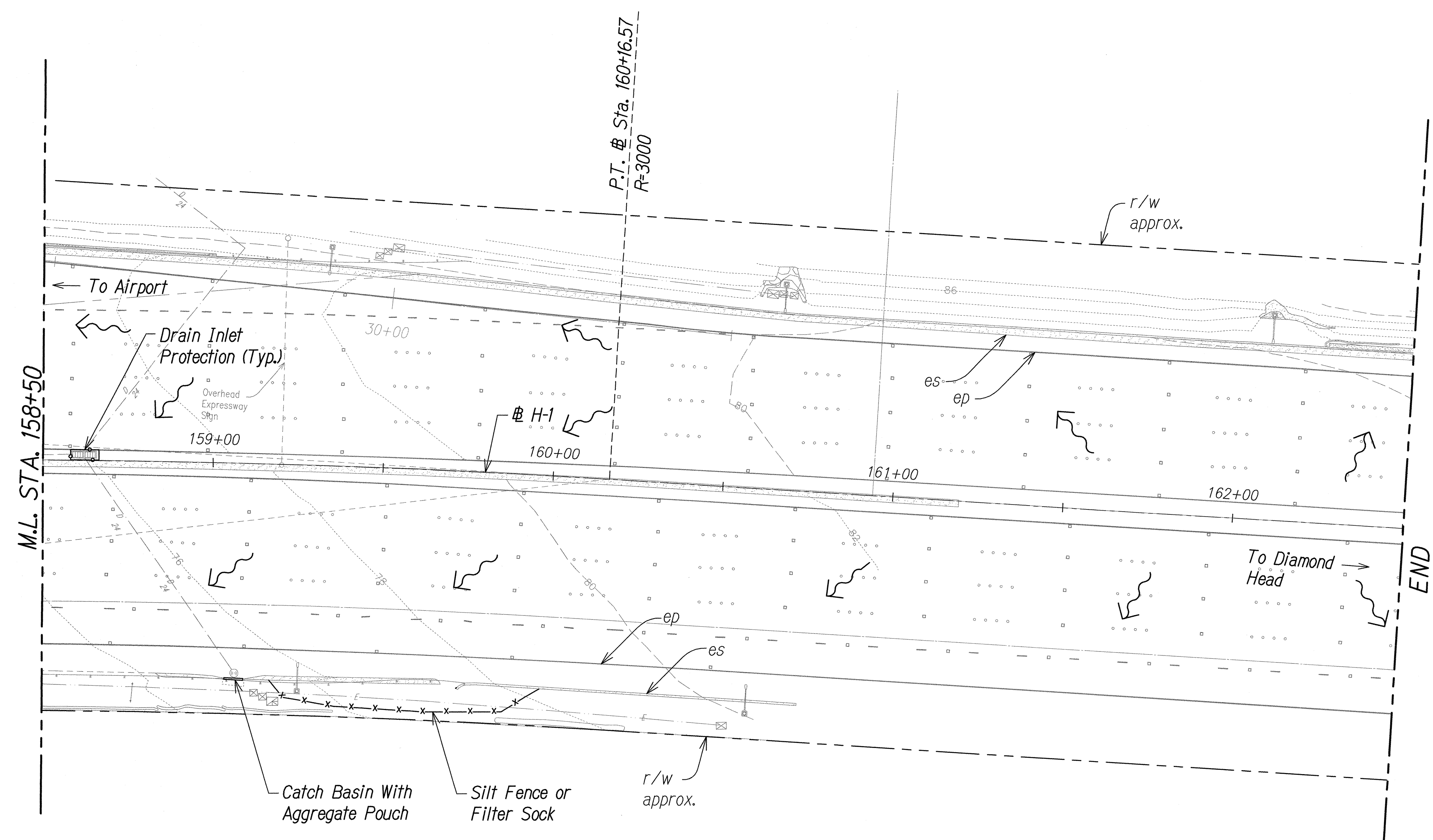
**PALI HIGHWAY OVERPASS
EROSION CONTROL PLAN**

INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016

SHEET No. ECP-15 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	27	354

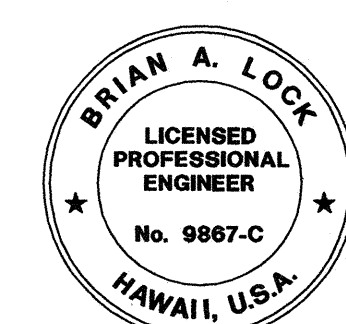
TRUE NORTH
SCALE: 1" = 20'



- Legend:**
- x-x- Silt Fence or Filter Sock
 - o-o- Protect Drainage Basin/Drainage Inlet
 - Catch Basin Inlet Protection
 - ↔ Surface Flow Direction

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'

STA. 158+50 TO 162+50 (# H-1)



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OR UNDER MY SUPERVISION.
mlh
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PALI HIGHWAY OVERPASS
EROSION CONTROL PLAN**

INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-HI-1(242)
Scale: 1" = 20' Date: Mar. 2016

SHEET No. ECP-16 OF 16 SHEETS

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