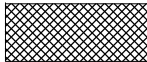


SWPPP Attachment A-1

BMP Maps and Details

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	15	293

Legend:



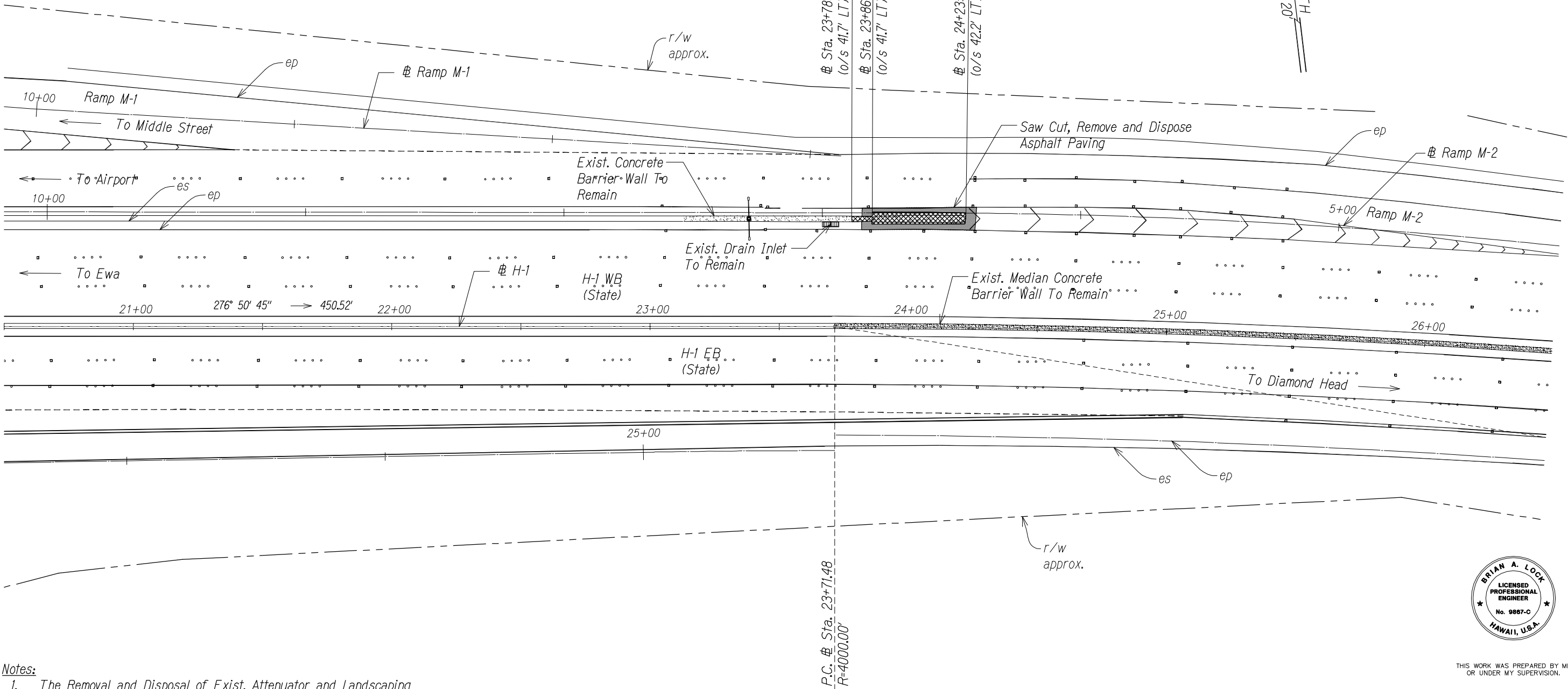
Remove Structure



Remove Exist. Asphalt Pavement Structure Including Base and Subbase

Remove and Dispose Exist. Impact Attenuator and Concrete Pad
Saw Cut, Remove and Dispose Portion of Exist. Concrete Barrier. See Sheet No. S1.1 for Detail.

TRUE NORTH
SCALE: 1" = 20'



Notes:

- The Removal and Disposal of Exist. Attenuator and Landscaping within the Work Area shall be Considered Incidental to Various Contract Items.
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
- All Disturbed Landscaped Area shall be Restored to Exist. Condition.
- Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

GRAPHIC SCALE:



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



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

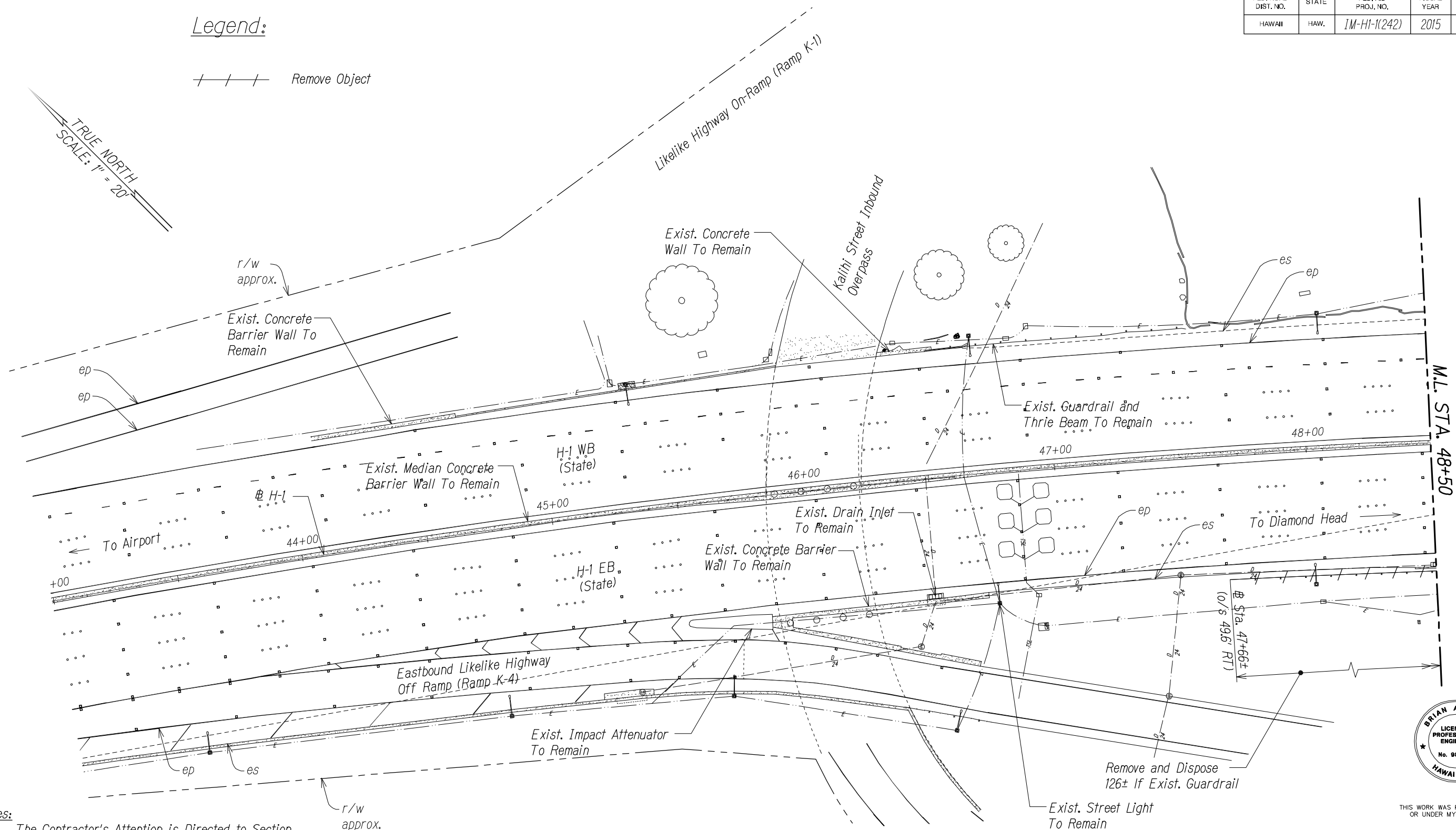
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
H201 EXIT
DEMOLITION PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. DP-1 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	16	293

Legend:

--- Remove Object

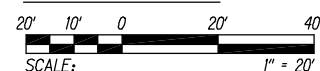
TRUE NORTH
SCALE: 1" = 20'



Notes:

1. The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
2. All Disturbed Landscaped Area shall be Restored to Exist. Condition.
3. Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

GRAPHIC SCALE:



STA. 43+00 TO 48+50 (# H-1)



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KALIHI INTERCHANGE
DEMOLITION 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: Feb. 2016

SHEET No. DP-2 OF 18 SHEETS

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

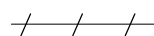
Legend:



Remove Structure

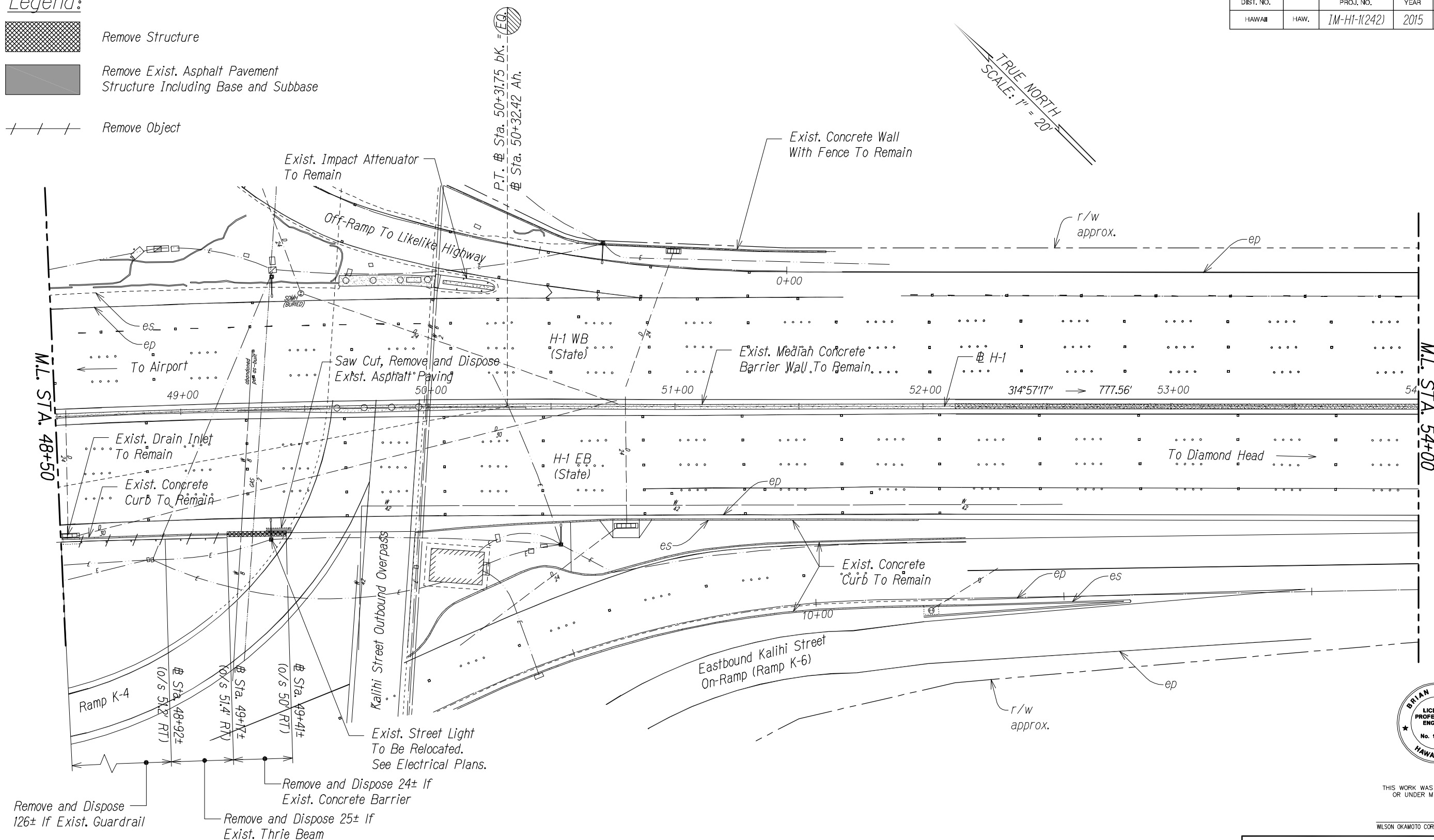
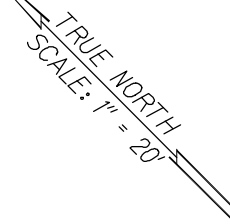


Remove Exist. Asphalt Pavement
Structure Including Base and Subbase



Remove Object

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	17	293



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

Notes:

1. The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
2. All Disturbed Landscaped Area shall be Restored to Exist. Condition.
3. Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

GRAPHIC SCALE:



STA. 48+50 TO 54+00 (@ H-1)

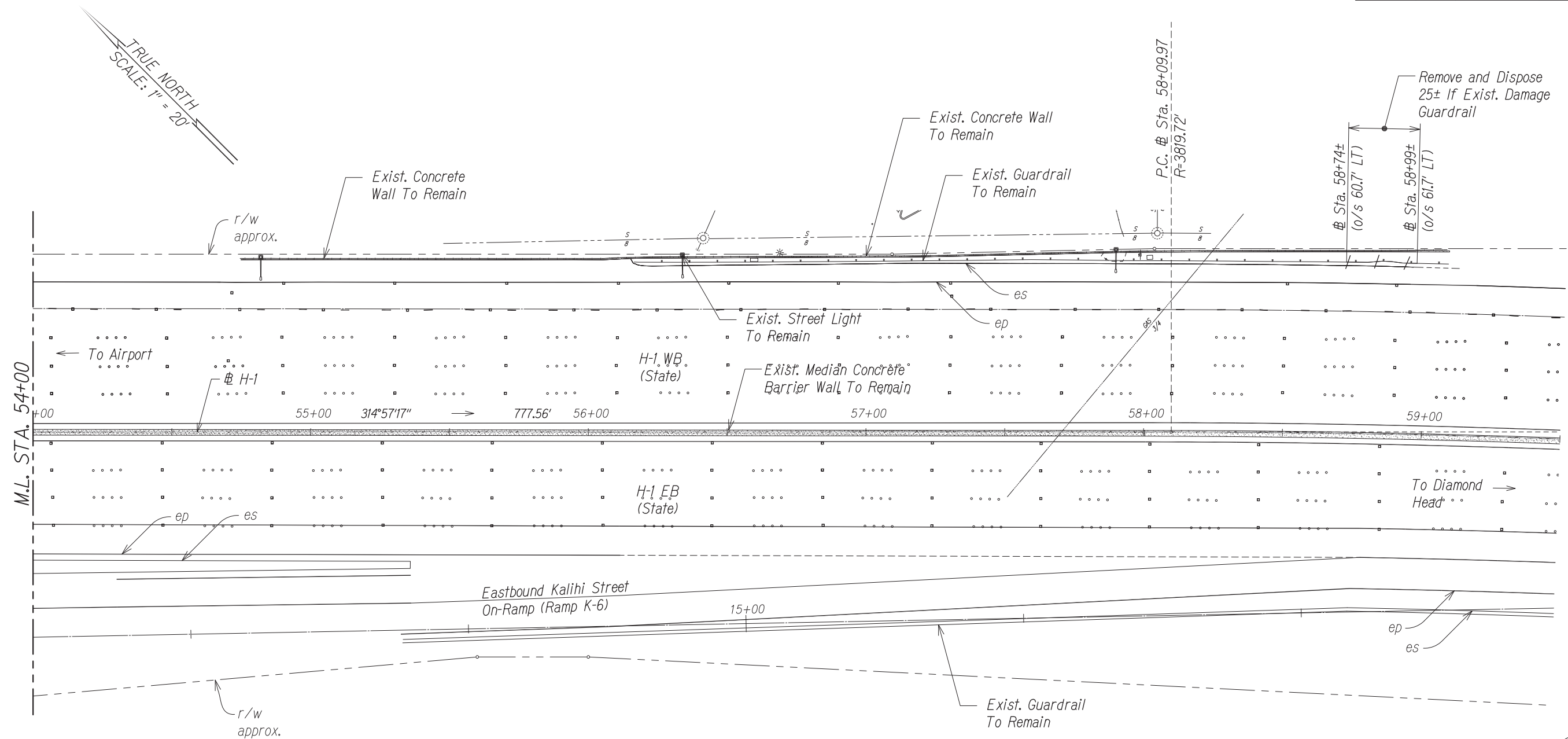


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OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
DEMOLITION 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: Feb. 2016
SHEET No. DP-3 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	17	XX



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

Notes:

- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
- All Disturbed Landscaped Area shall be Restored to Exist. Condition.
- Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

Legend:

	Remove Structure
	Remove Exist. Asphalt Pavement Structure Including Base and Subbase
	Cold Plane Exist. A.C. 2" Pavement
	Remove Object

GRAPHIC SCALE:



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

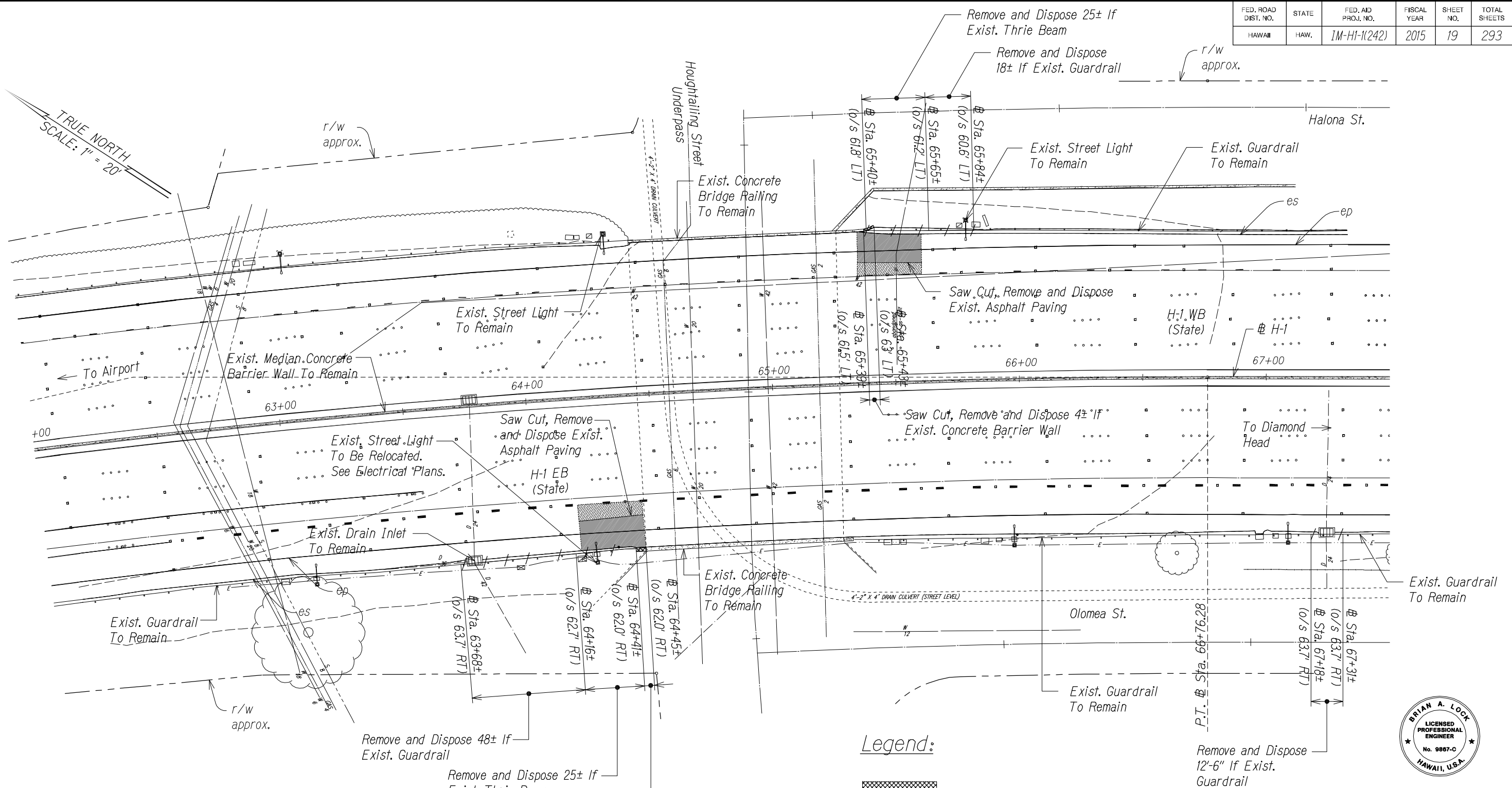


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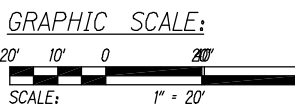
APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
DEMOLITION 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: Feb. 2015
SHEET No. DP-4 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	19	293

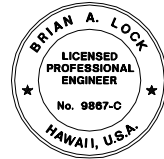


- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.



STA. 62+00 TO 67+50 (# H-1)

- Legend:
- Remove Structure
 - Remove Exist. Asphalt Pavement Structure Including Base and Subbase
 - Cold Plane Exist. A.C. 2" Pavement
 - Remove Object



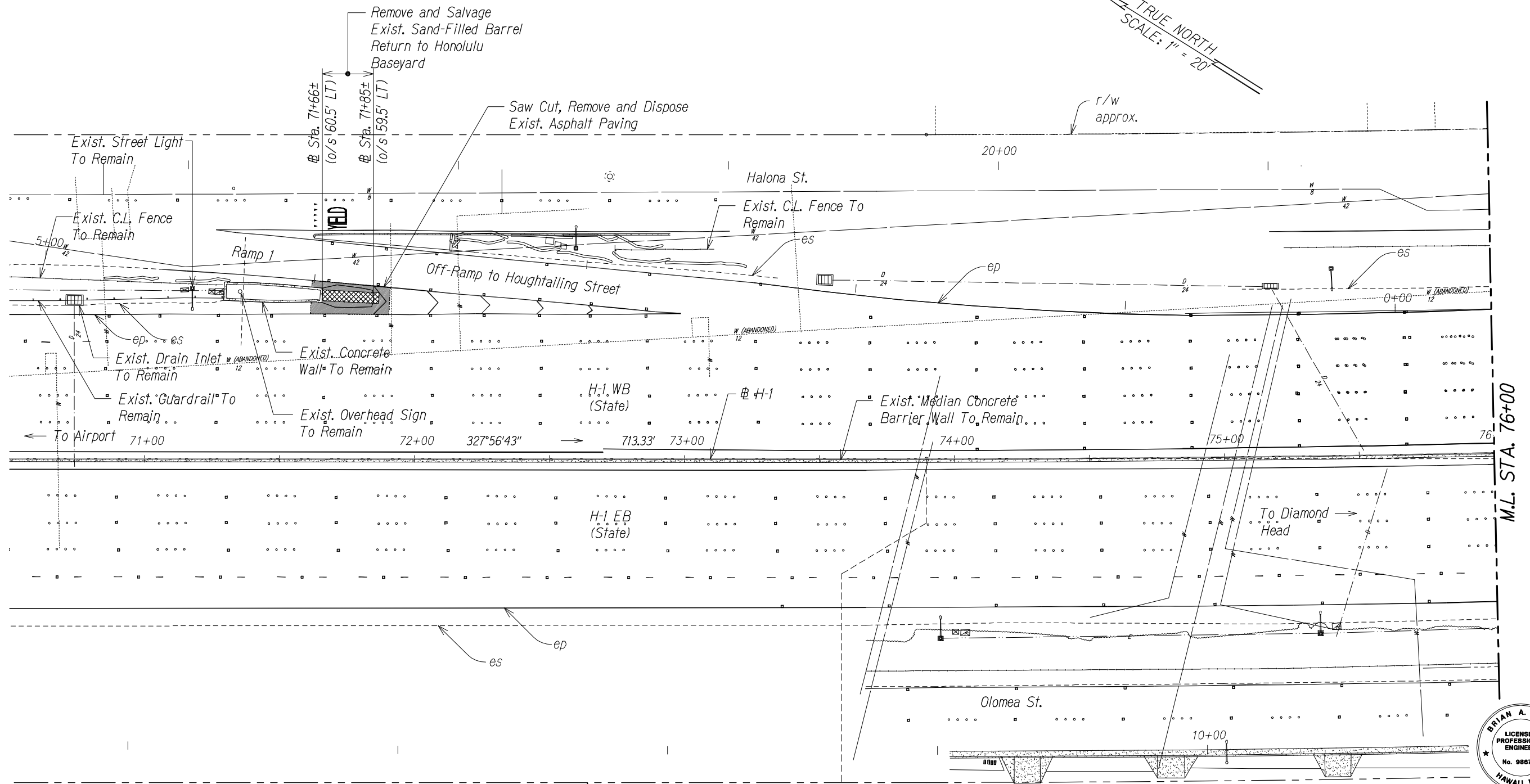
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**HOUGHTAILING SEPARATION
DEMOLITION 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: Feb. 2016
SHEET No. DP-5 OF 18 SHEETS

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

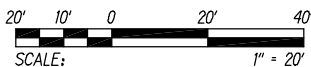
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	20	293



Notes:

1. The Removal and Disposal of Exist. Attenuator and Landscaping within the Work Area shall be Considered Incidental to Various Contract Items.
2. The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
3. All Disturbed Landscaped Area shall be Restored to Exist. Condition.
4. Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

GRAPHIC SCALE:



Legend:

- Remove Structure
- Remove Exist. Asphalt Pavement Structure Including Base and Subbase
- Remove Object



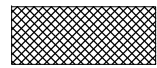
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WILSON OKAMOTO CORPORATION APRIL 30, 2016 L.C. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HOUGHTAILING SEPARATION
DEMOLITION 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: Feb. 2016
SHEET No. DP-6 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	21	293

Legend:



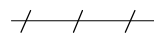
Remove Structure



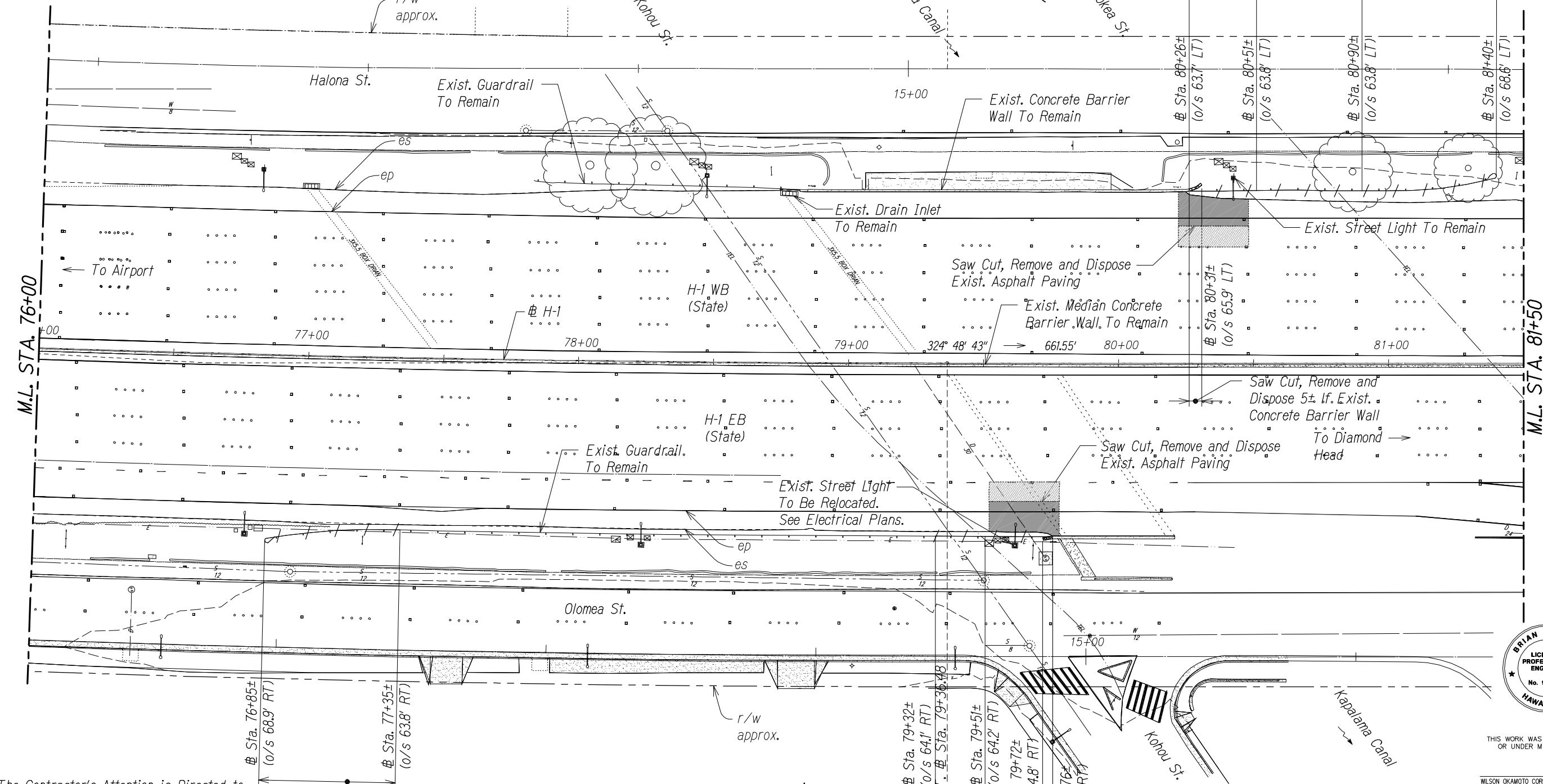
Remove Exist. Asphalt Pavement Structure Including Base and Subbase



Cold Plane Exist. A.C. 2" Pavement



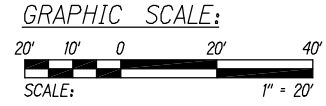
Remove Object



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.



STA. 76+00 TO 81+50 (# H-1)

Remove and Dispose 18± If Exist. Guardrail
Remove and Dispose 25± If Thrie Beam
Saw Cut, Remove and Dispose 4± If Exist. Concrete Barrier Wall

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KAPALAMA CANAL
DEMOLITION 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: Feb. 2016
SHEET No. DP-7 OF 18 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

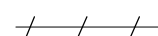
Legend:



Remove Structure

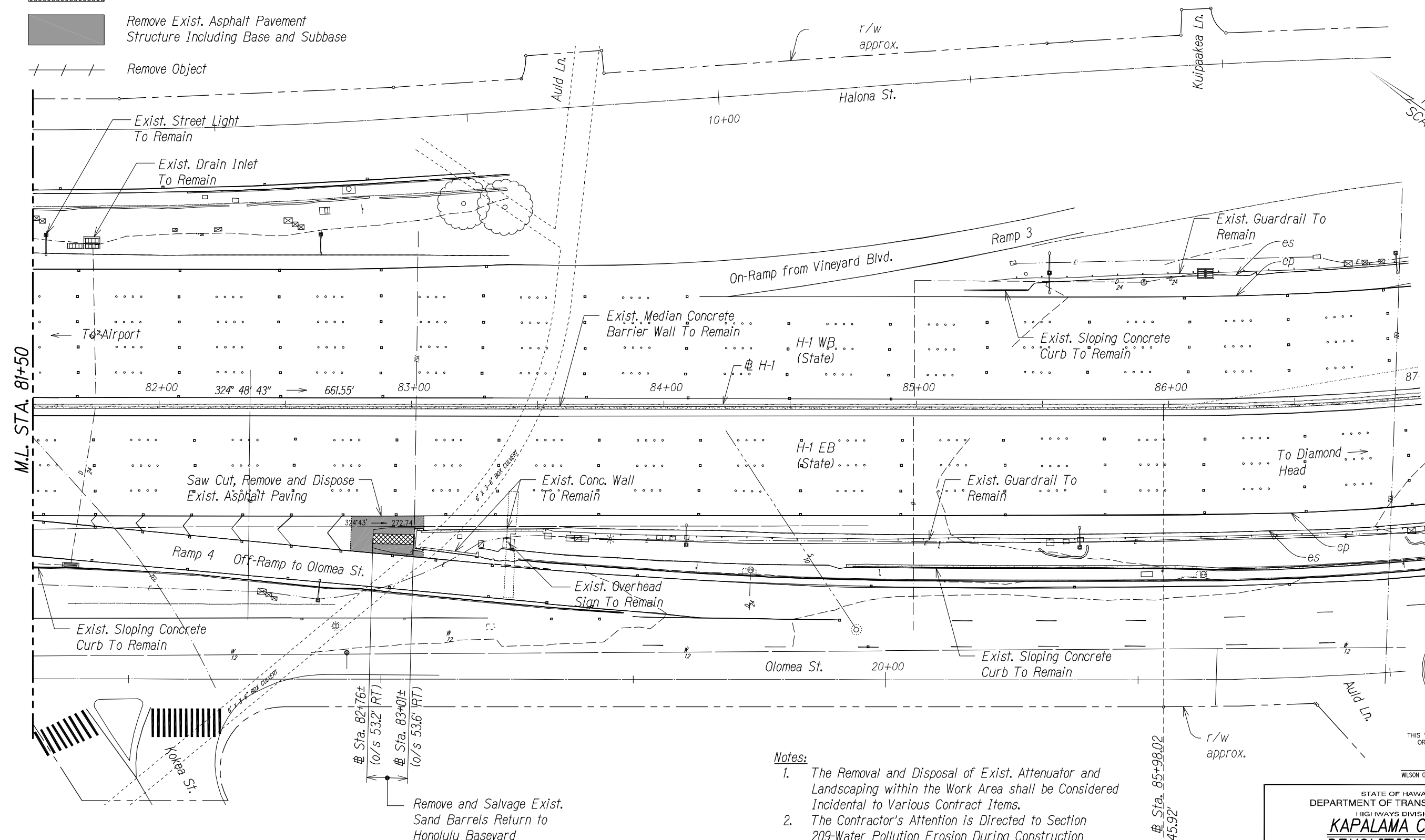


Remove Exist. Asphalt Pavement
Structure Including Base and Subbase



Remove Object

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2015	22	293

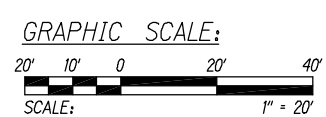


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

- Notes:
1. The Removal and Disposal of Exist. Attenuator and Landscaping within the Work Area shall be Considered Incidental to Various Contract Items.
 2. The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 3. All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 4. Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

STA. 81+50 TO 87+00 (# H-1)



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**KAPALAMA CANAL
DEMOLITION 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: Feb. 2016
SHEET No. DP-8 OF 18 SHEETS

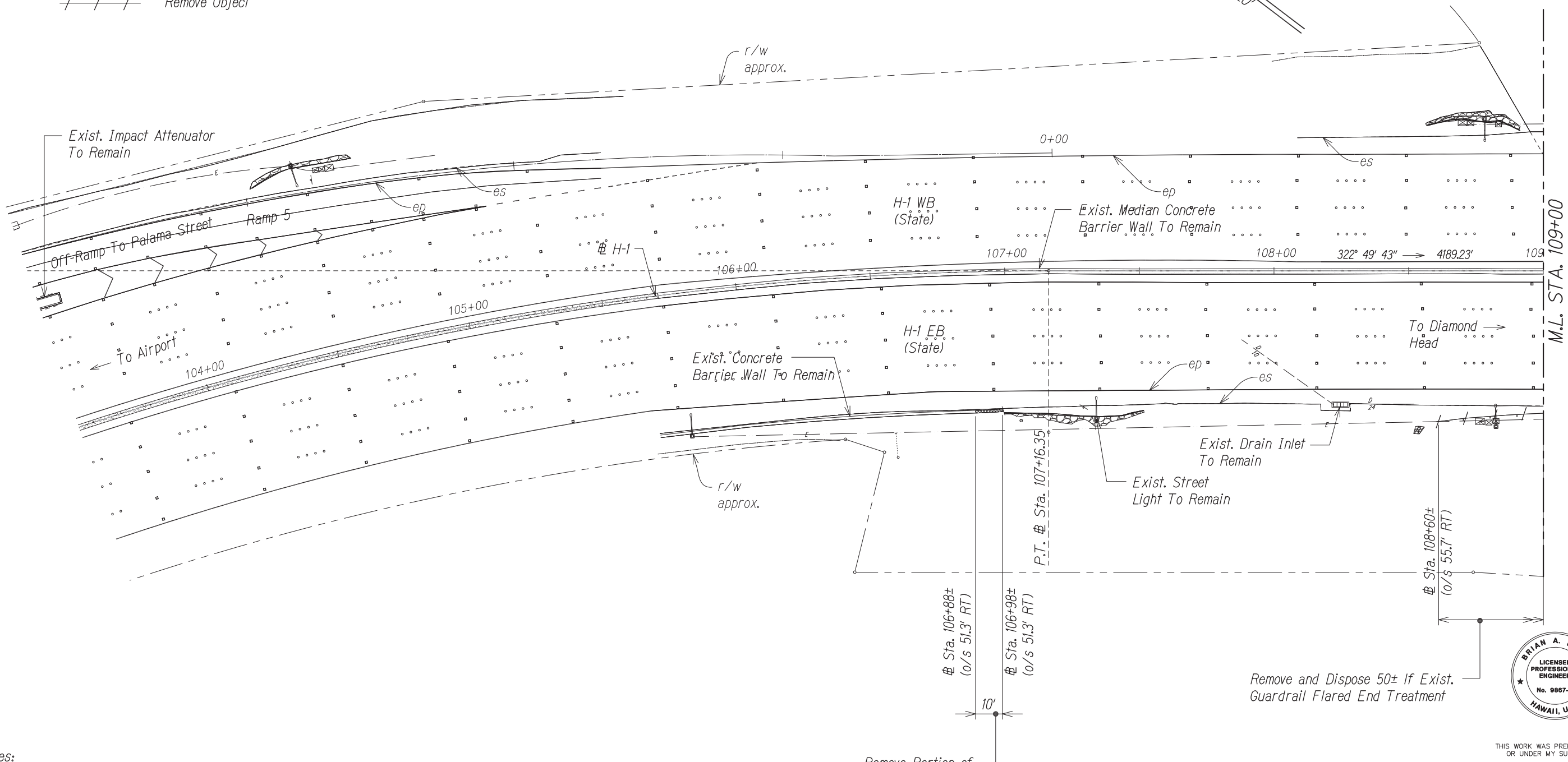
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	22	XX

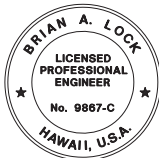
Legend:

- Remove Structure
- / — / —

Remove Object



Remove and Dispose 50± If Exist.
Guardrail Flared End Treatment



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

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LILIHA STREET OVERPASS

DEMOLITION PLAN

INTERSTATE ROUTE H-1

GUARDRAIL AND SHOULDER IMPROVEMENTS

Middle Street to Punchbowl Off-Ramp

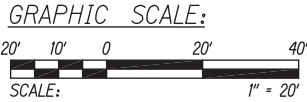
Fed. Aid Project No. 1M-H1-1(242)

Scale: 1" = 20'

Date: Feb. 2015

SHEET No. DP-9 OF 18 SHEETS

- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.



Remove Portion of
Exist. Wall.
See Sheet No. XX
for Details

STA. 103+50 TO 109+00 (# H-1)

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

Legend:

Remove Structure

Remove Exist. Asphalt Pavement
Structure Including Base and Subbase

Remove Object

TRUE NORTH
SCALE: 1" = 20'



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

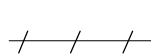
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LILIHA STREET OVERPASS
DEMOLITION PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-HI-1(242)
Scale: 1" = 20' Date: Feb. 2016

SHEET No. *DP-10* OF *18* SHEETS

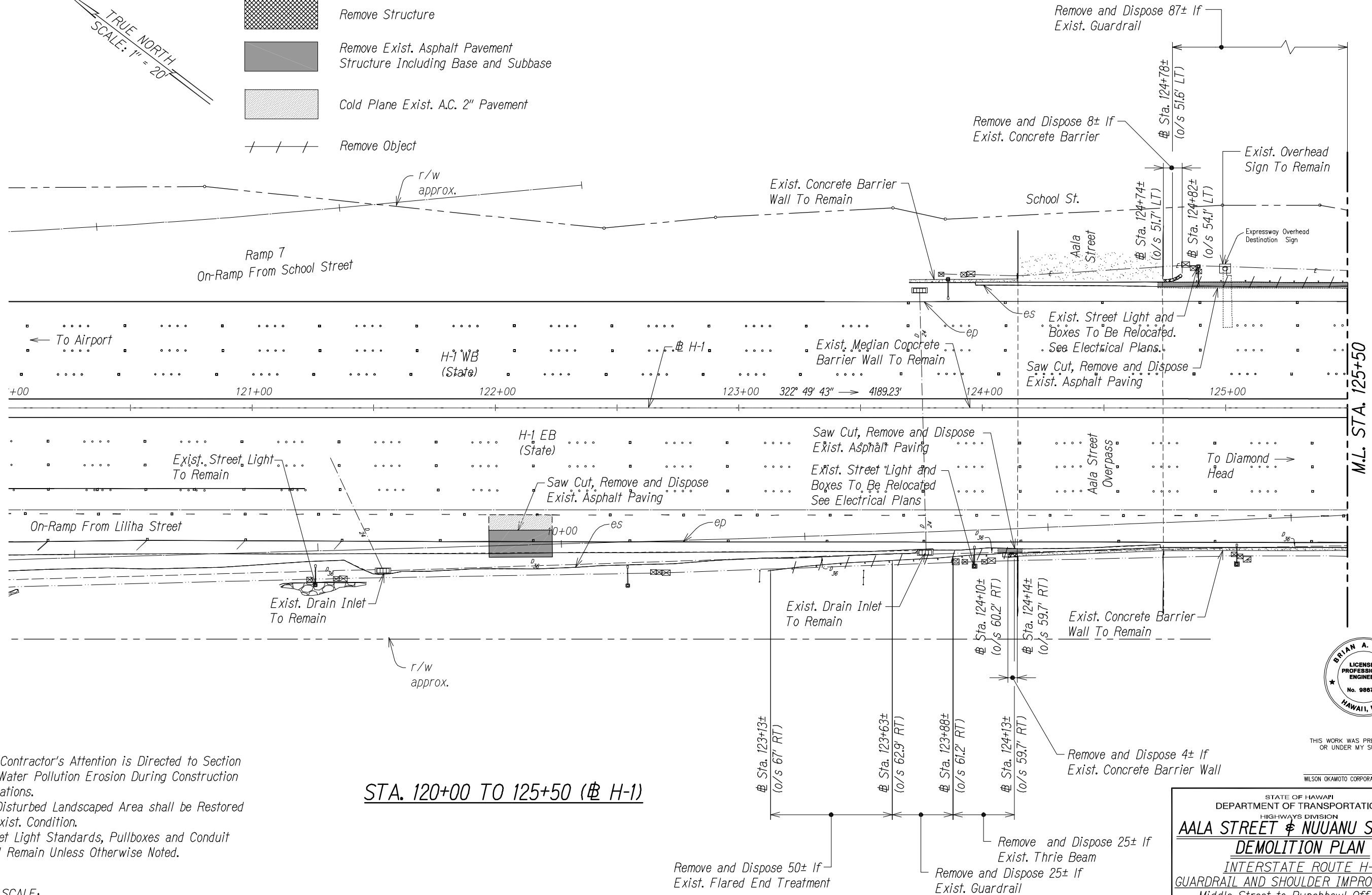
24

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2015	25	293

Legend:

-  Remove Structure
-  Remove Exist. Asphalt Pavement Structure Including Base and Subbase
-  Cold Plane Exist. A.C. 2" Pavement
-  Remove Object

TRUE NORTH
SCALE: 1" = 20'



Notes:

- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
- All Disturbed Landscaped Area shall be Restored to Exist. Condition.
- Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

GRAPHIC SCALE:

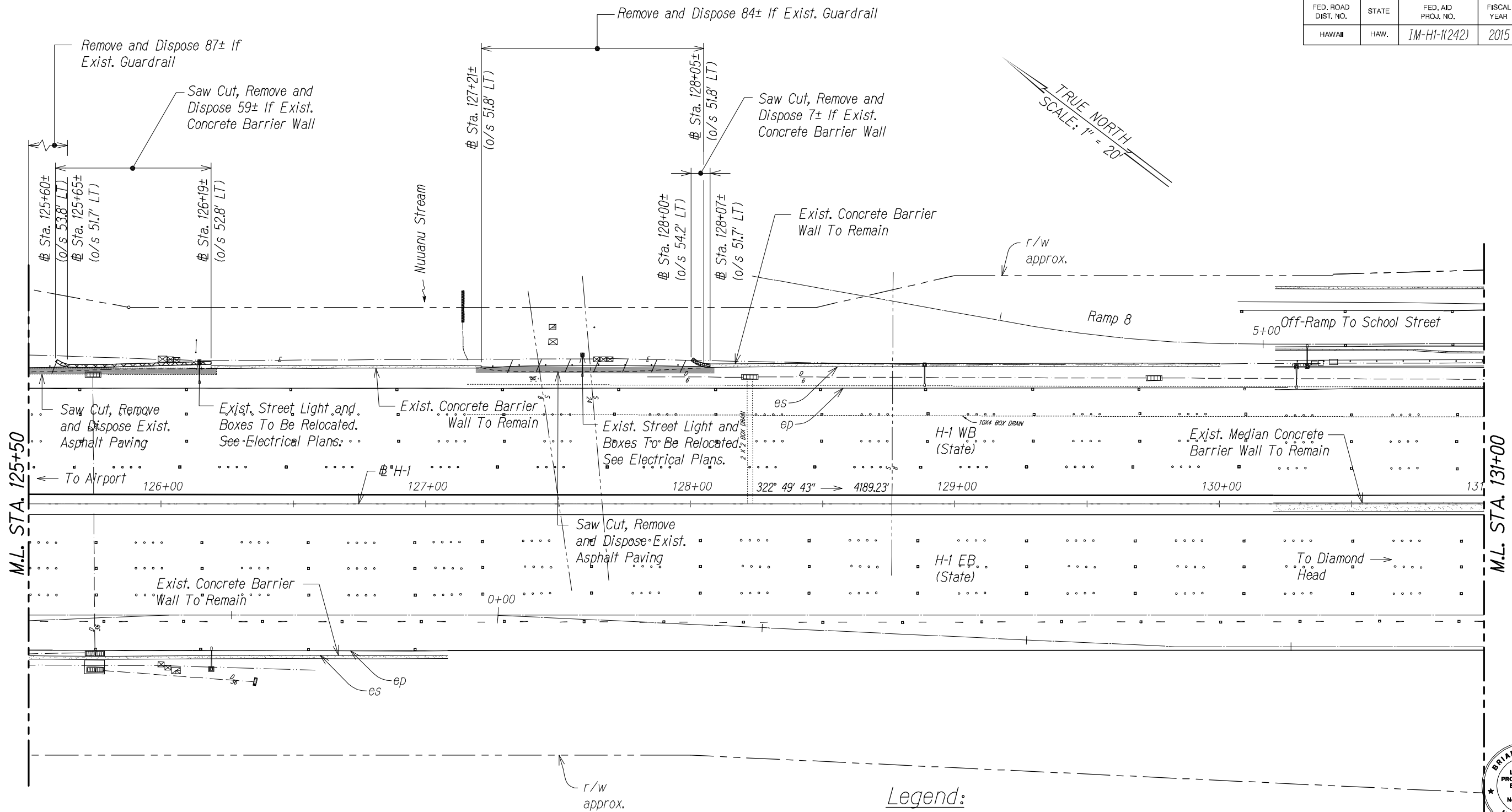


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WILSON OKAMOTO CORPORATION
LIC. EXP. DATE

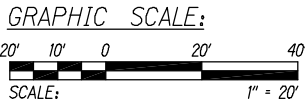
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
DEMOLITION PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-HI-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. DP-11 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	26	293



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

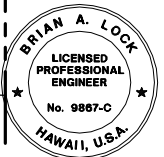
- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.



STA. 125+50 TO 131+00 (# H-1)

Legend:

- Remove Structure
- Remove Exist. Asphalt Pavement Structure Including Base and Subbase
- Cold Plane Exist. A.C. 2" Pavement
- Remove Object



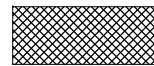
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
DEMOLITION PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. DP-12 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	27	293

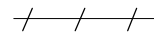
Legend:



Remove Structure

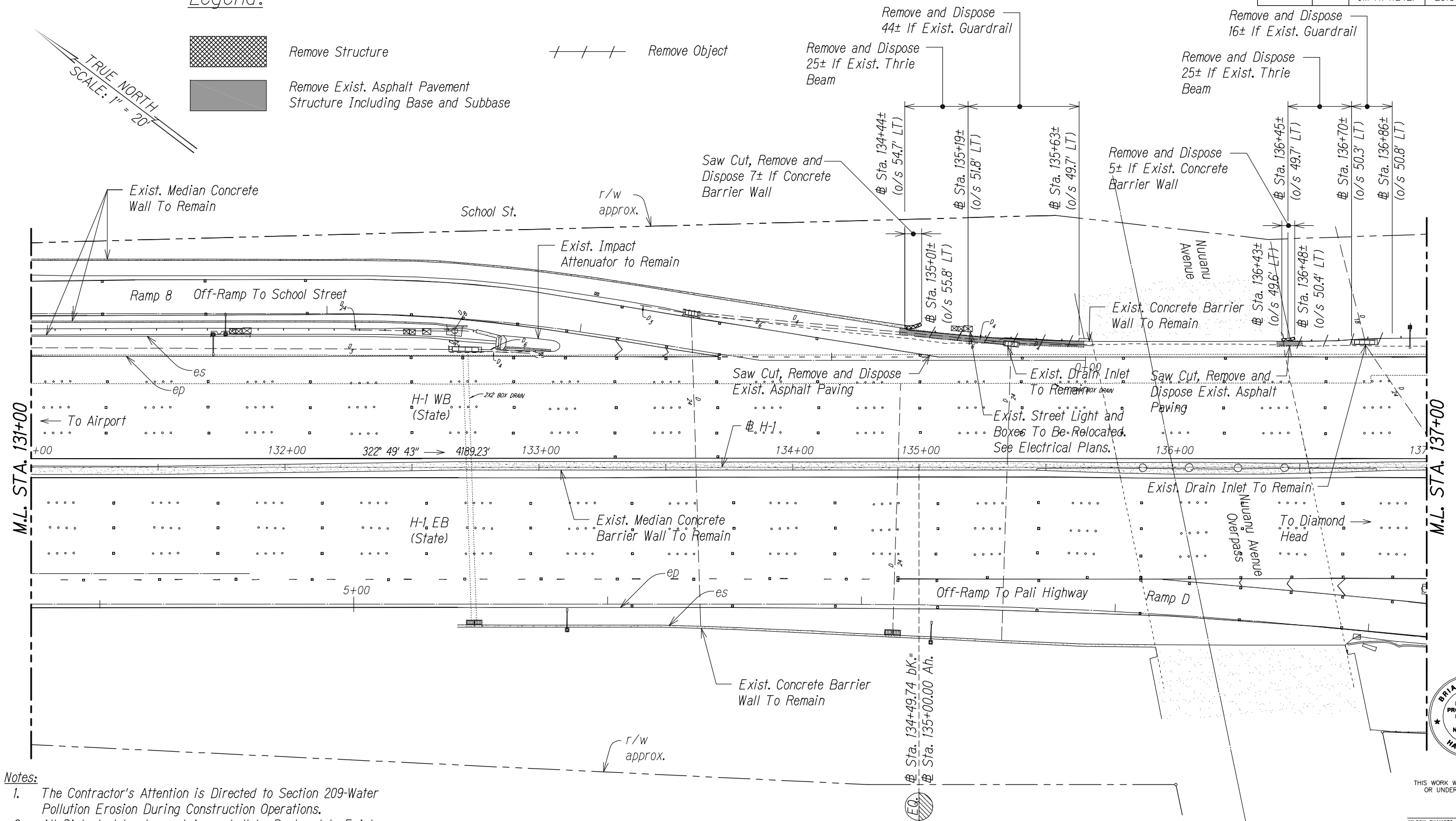


Remove Exist. Asphalt Pavement
Structure Including Base and Subbase



Remove Object

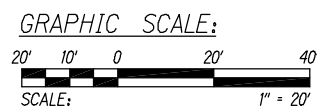
TRUE NORTH
SCALE: 1" = 20'



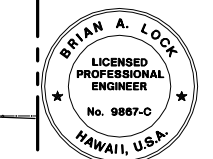
Notes:

- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
- All Disturbed Landscaped Area shall be Restored to Exist. Condition.
- Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

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



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

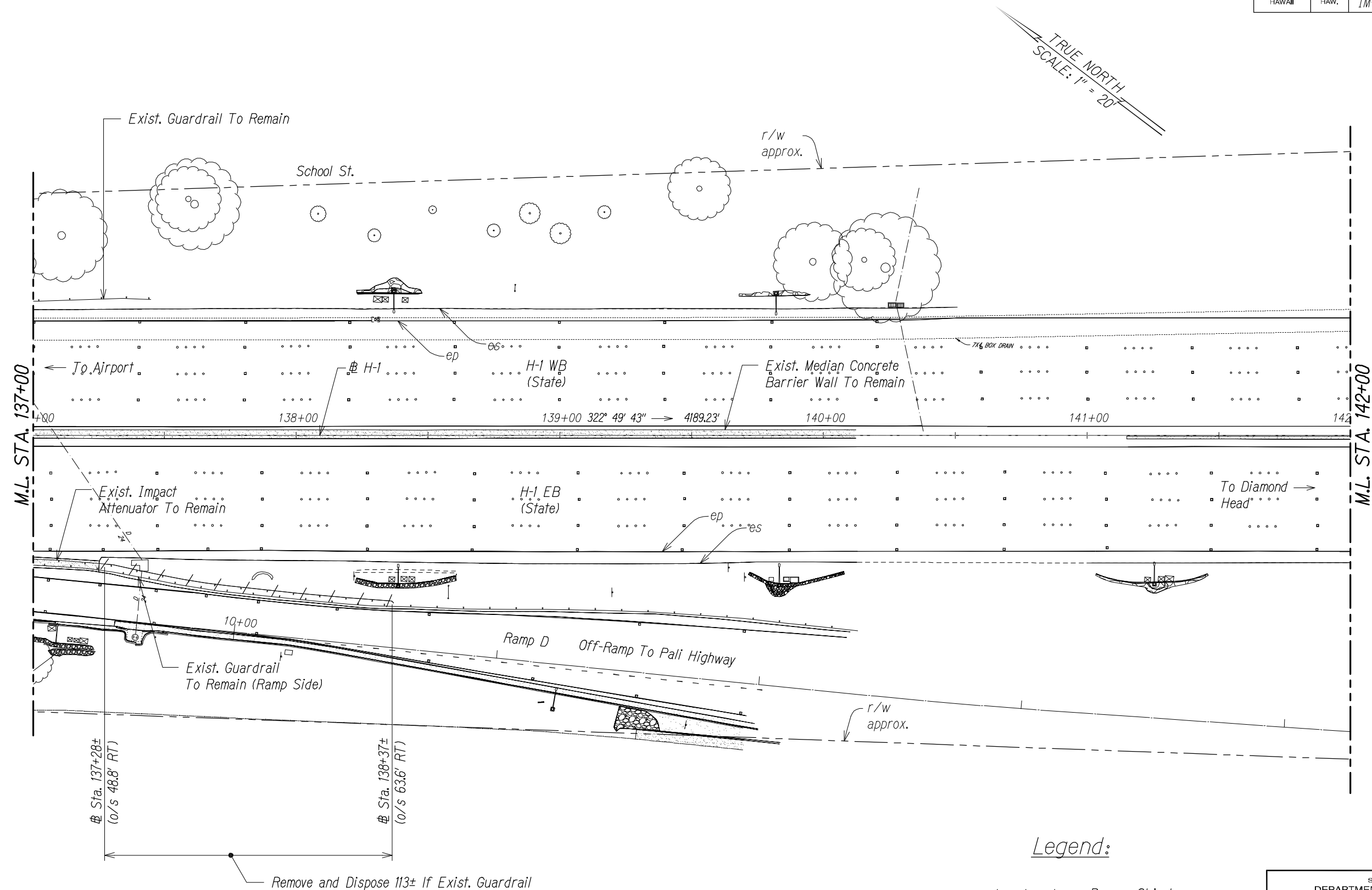


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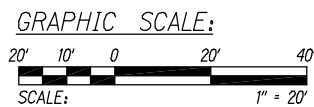
APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NUUANU AVENUE
DEMOLITION 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: Feb. 2016
SHEET No. DP-13 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	28	293



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	



- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.

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

Legend:
 --- Remove Object



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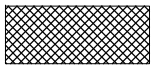
WILSON OKAMOTO CORPORATION LIC. EXP. DATE APRIL 30, 2016

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NUUANU AVENUE
DEMOLITION 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: Feb. 2016
SHEET No. DP-14 OF 18 SHEETS

28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	30	293

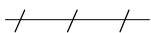
Legend:



Remove Structure



Remove Exist. Asphalt Pavement
Structure Including Base and Subbase



Remove Object

School St.
r/w approx.

TRUE NORTH
SCALE: 1" = 20'

Queen Emma St.



Ramp G

Ramp F

Ramp F

148+00

149+00

150+00

151+00

152+00

153+00

To Airport

Exist. Sloping Concrete
Curb To Remain

H-1 WB
(State)

Exist. Median Concrete
Barrier Wall To Remain

Exist. Street Light
To Be Relocated
See Electrical Plans.

H-1 EB
(State)

Saw-Cut, Remove and Dispose
Exist. Asphalt Paving and
Concrete Curb

To Diamond
Head

Exist. Sloping Concrete
Curb To Remain

Ramp H

Exist. Guardrail
To Remain (Ramp Side)

Off-Ramp to Punchbowl Street

Exist. Sloping
Concrete Curb
To Remain

Ramp B

10+00

P.C. Sta. 149+55.84
R=3000

Sta. 149+89±
(o/s 61.5' RT)

r/w approx.

Sta. 150+78±
(o/s 52.2' RT)

Sta. 150+88±
(o/s 51.6' RT)

Exist. Concrete
Barrier to Remain
Exist. Overhead Sign
To Remain

Queen Emma St.



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

Notes:

- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
- All Disturbed Landscaped Area shall be Restored to Exist. Condition.
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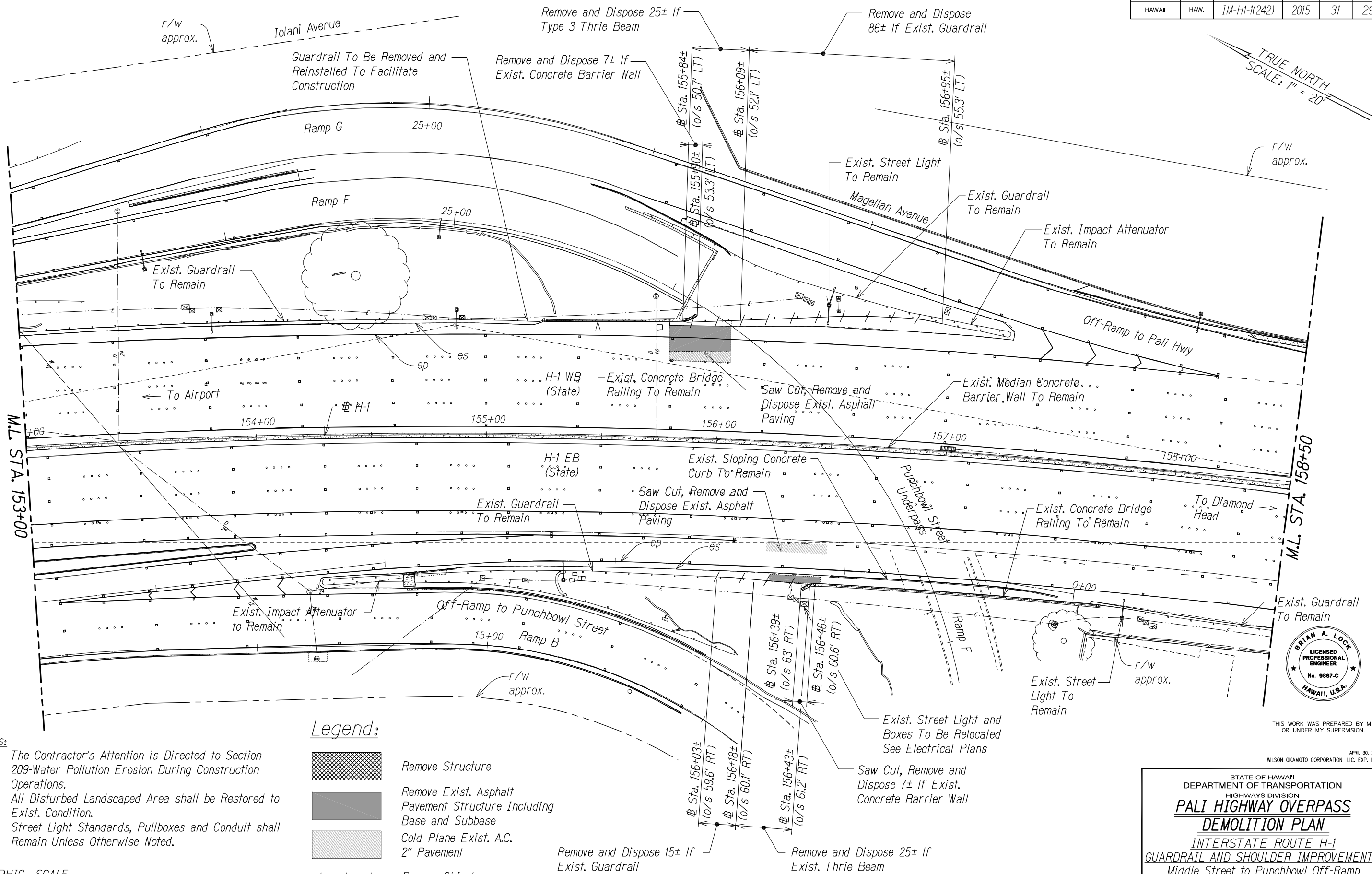
GRAPHIC SCALE:



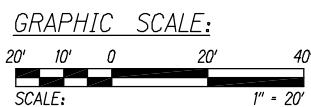
STA. 147+50 TO 153+00 (# H-1)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
DEMOLITION 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: Feb. 2016
SHEET No. DP-16 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	31	293



- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.



Legend:

- | | |
|--|---|
| | Remove Structure |
| | Remove Exist. Asphalt Pavement Structure Including Base and Subbase |
| | Cold Plane Exist. A.C. 2" Pavement |
| | Remove Object |

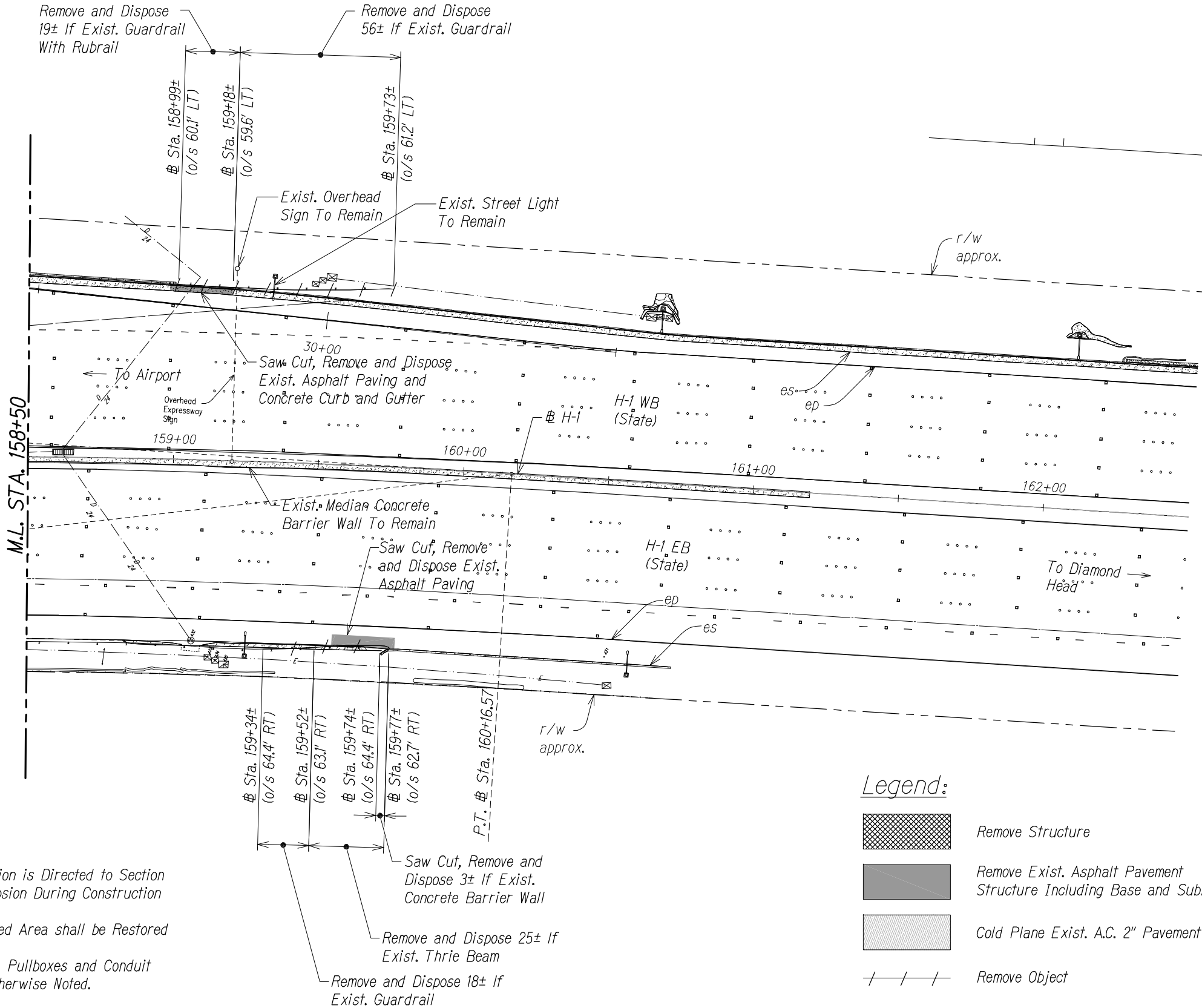
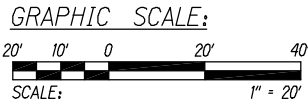
STA. 153+00 TO 158+50 (# H-1)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
DEMOLITION 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: Feb. 2016
SHEET No. DP-17 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	32	293

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

- Notes:
- The Contractor's Attention is Directed to Section 209-Water Pollution Erosion During Construction Operations.
 - All Disturbed Landscaped Area shall be Restored to Exist. Condition.
 - Street Light Standards, Pullboxes and Conduit shall Remain Unless Otherwise Noted.



Legend:

- Remove Structure
- Remove Exist. Asphalt Pavement Structure Including Base and Subbase
- Cold Plane Exist. A.C. 2" Pavement
- Remove Object



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
DEMOLITION 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: Feb. 2016
SHEET No. DP-18 OF 18 SHEETS

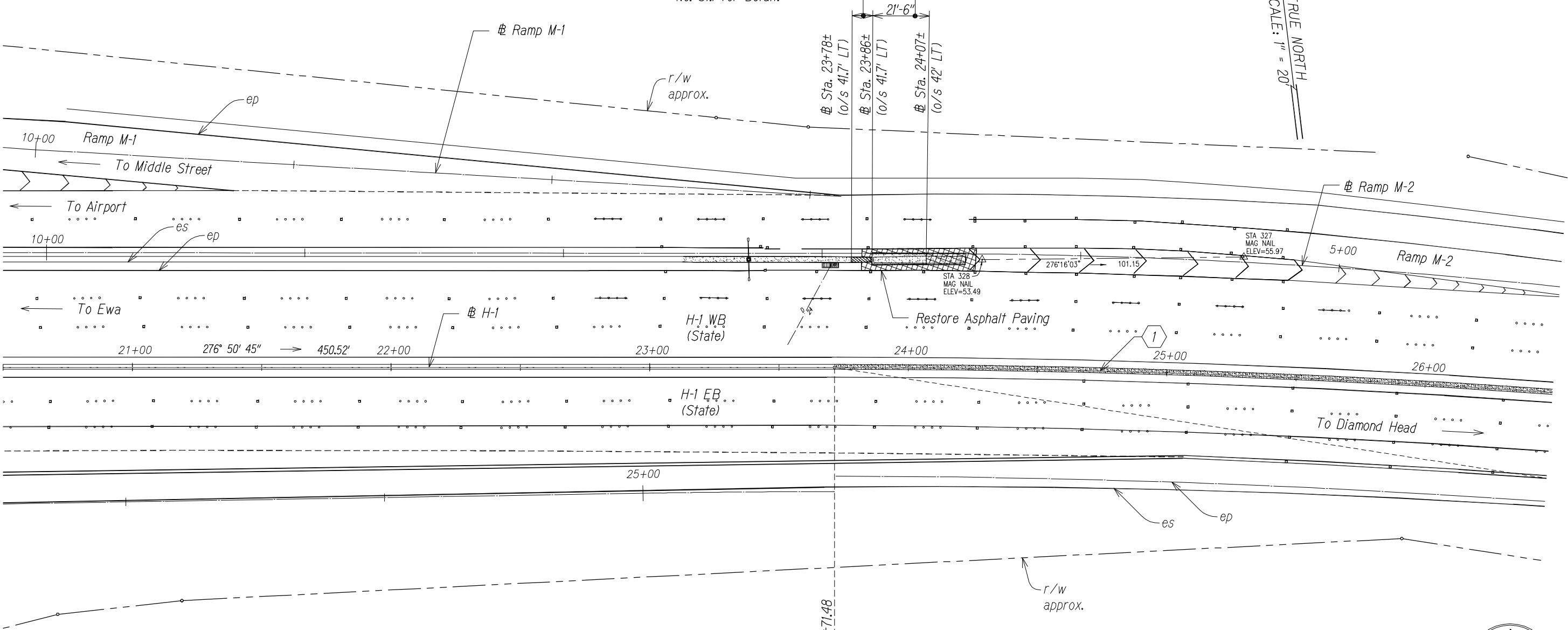
STA. 158+50 TO 162+50 (# H-1)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	33	293

Install SCI Smart Crash Cushion Impact Attenuator (TL-3) or Approved Equal. Install 6" Reinforced Concrete Pad Per Manufacturer's Recommendation Over 6" Aggregate Subbase.

Reconstruct Top of Existing Concrete Barrier. See Sheet No. S1.1 for Detail.

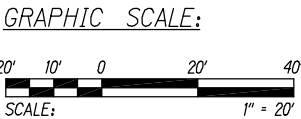
TRUE NORTH
SCALE: 1" = 20'



CURVE DATA	
	1
Δ	38°06'20"
$\Delta/2$	19°03'10"
R	4000'
T	1381.43'
C	2611.51'
Lc	2660.27'

Legend:

Full Depth Pavement Reconstruction



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



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WILSON OKAMOTO CORPORATION APRIL 30, 2016 L.C. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

H201 EXIT

SITE LAYOUT PLAN

INTERSTATE ROUTE H-1

GUARDRAIL AND SHOULDER IMPROVEMENTS

Middle Street to Punchbowl Off-Ramp

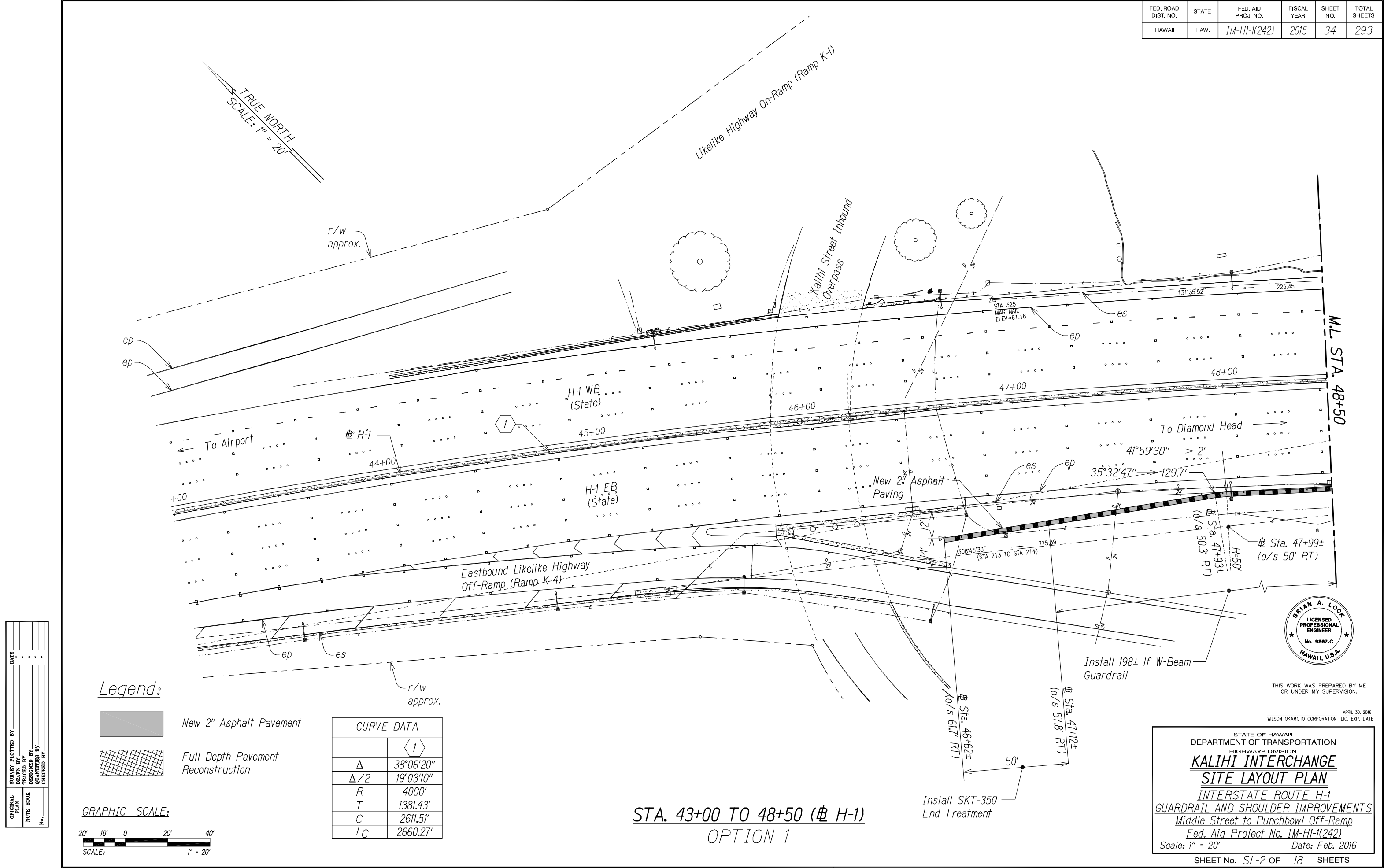
Fed. Aid Project No. 1M-H1-1(242)

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

SHEET No. SL-1 OF 18 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED 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.	1M-H1-1(242)	2015	34	293

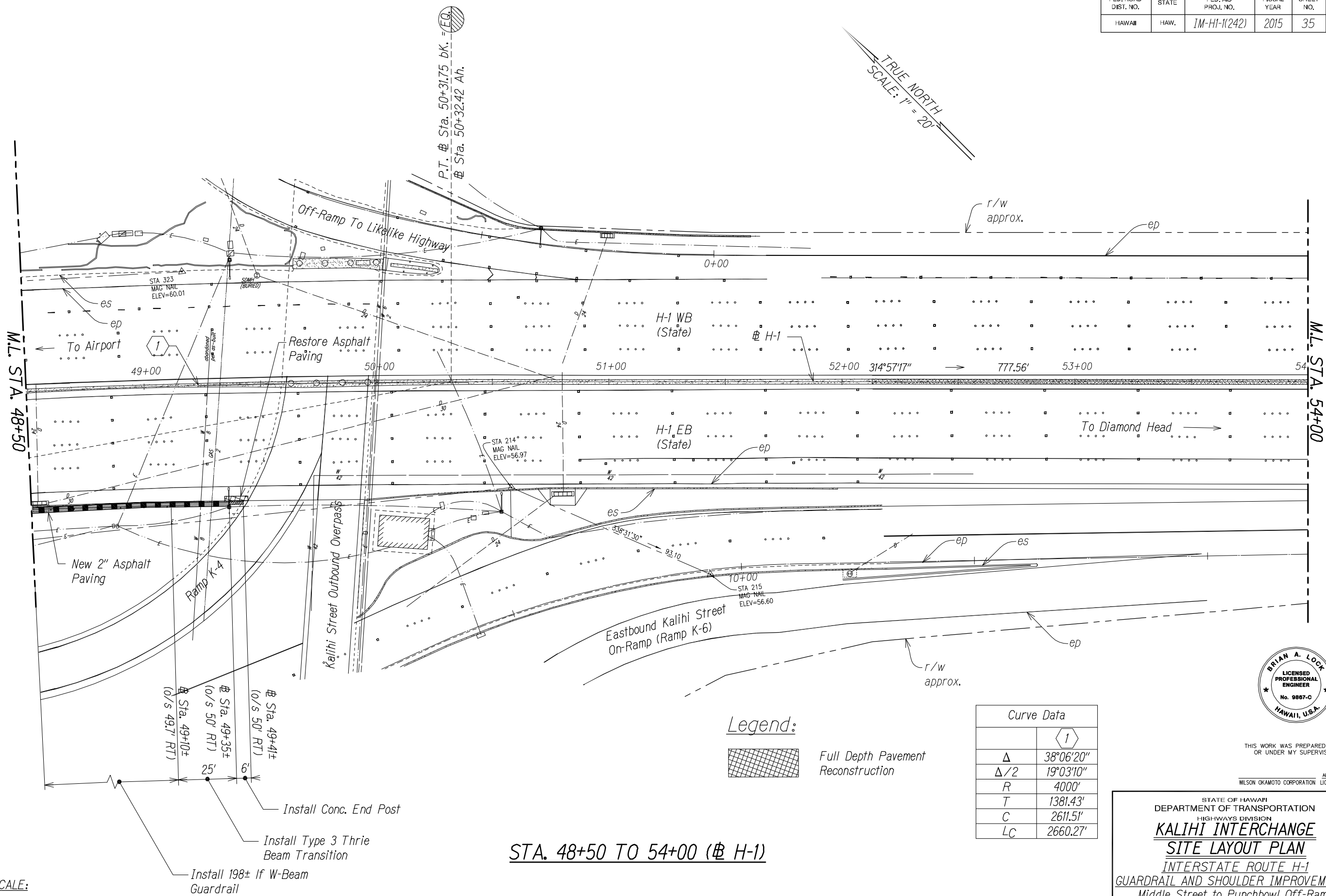


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WILSON OKAMOTO CORPORATION APRIL 30, 2016 L.C. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-2 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	35	293



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	



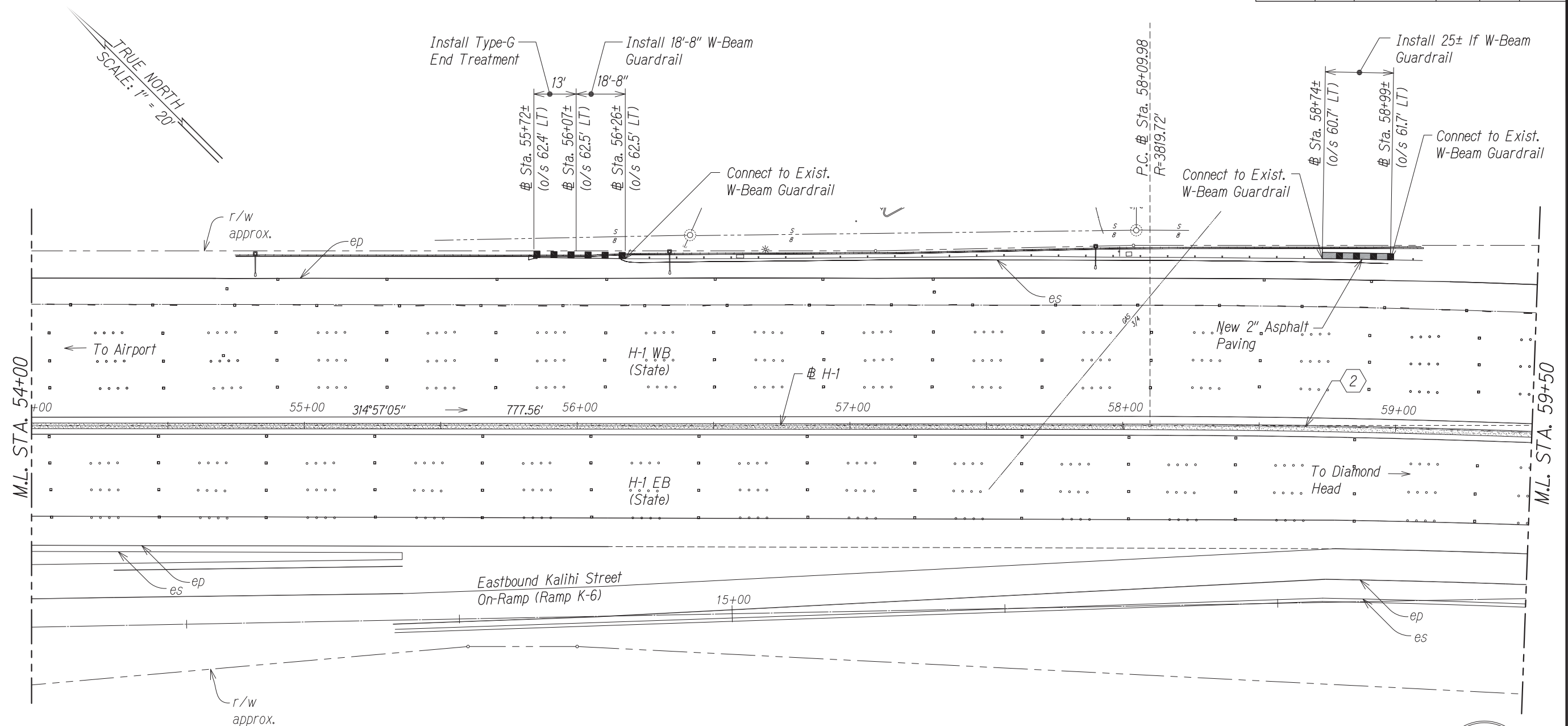
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-3 OF 18 SHEETS

35

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	35	XX



Curve Data	
	2
Δ	12°59'40"
$\Delta/2$	6°29'50"
R	3819.72'
T	435.01'
C	864.44'
L_c	866.30'



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

Legend:



GRAPHIC SCALE:

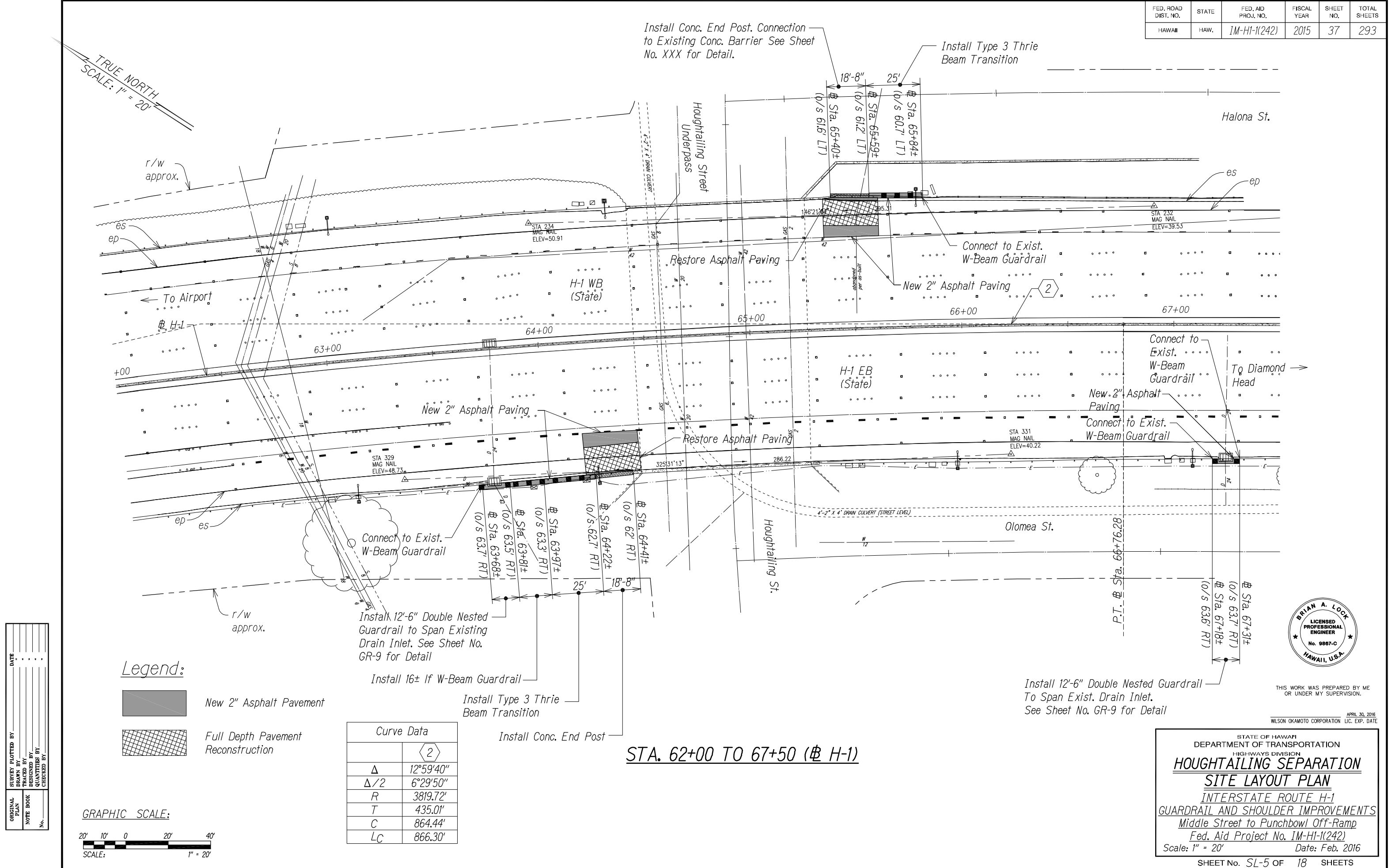


STA. 54+00 TO 59+50 (~~B~~ H-1)

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
SITE LAYOUOT 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: Feb. 2015
SHEET No. SL-4 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	37	293



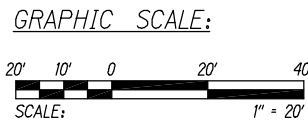
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

Legend:

New 2" Asphalt Pavement

Full Depth Pavement Reconstruction

Curve Data	
	2
Δ	12°59'40"
Δ/2	6°29'50"
R	3819.72'
T	435.01'
C	864.44'
LC	866.30'



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

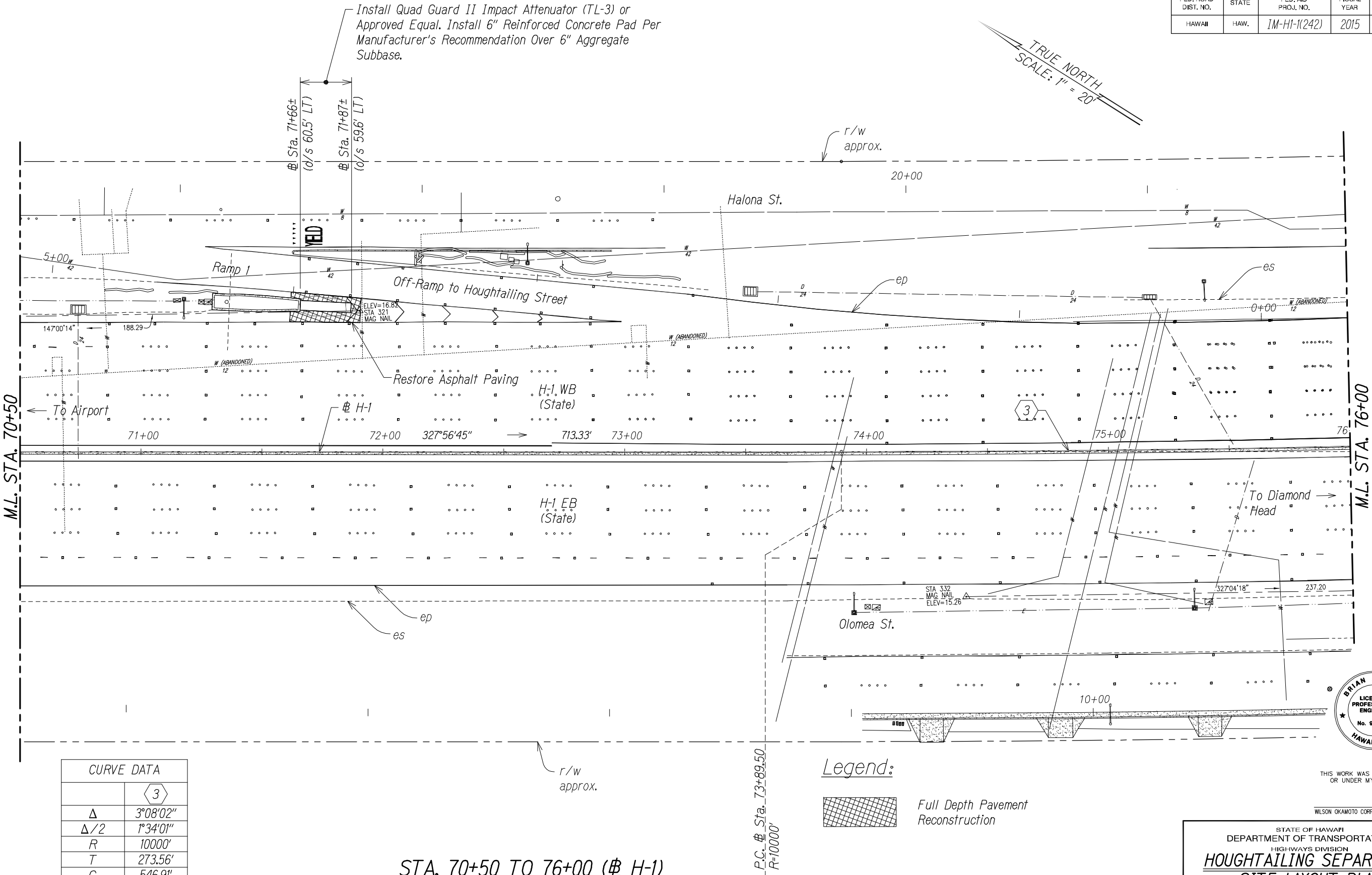
HOUGHTAILING SEPARATION

SITE LAYOUT PLAN

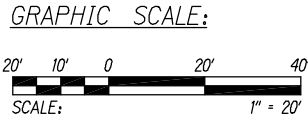
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016

SHEET No. SL-5 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	38	293



CURVE DATA	
Δ	3°08'02"
$\Delta/2$	1°34'01"
R	10000'
T	273.56'
C	546.91'
LC	546.98'



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HOUGHTAILING SEPARATION

SITE LAYOUT PLAN

INTERSTATE ROUTE H-1

GUARDRAIL AND SHOULDER IMPROVEMENTS

Middle Street to Punchbowl Off-Ramp

Fed. Aid Project No. IM-HI-1(242)

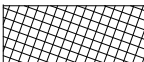
Scale: 1" = 20' Date: Feb. 2016

SHEET No. SL-6 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	39	293

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

Legend:

-  New 2" Asphalt Pavement
-  Full Depth Pavement Reconstruction

GRAPHIC SCALE:



CURVE DATA	
Δ	3°08'02"
$\Delta/2$	1°34'01"
R	10000'
T	273.56'
C	546.91'
LC	546.98'

STA. 76+00 TO 81+50 (# H-1)



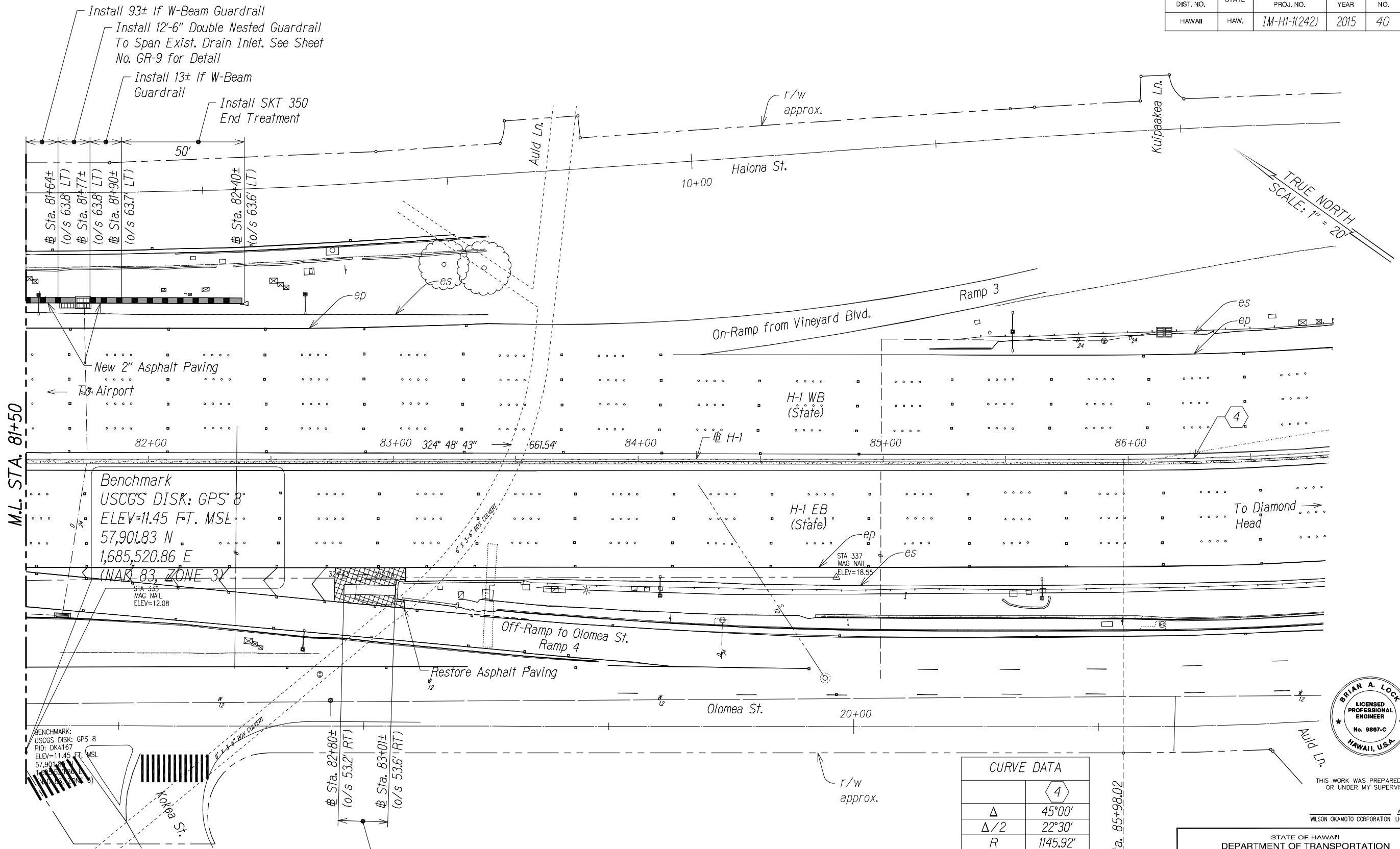
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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KAPALAMA CANAL
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-7 OF 18 SHEETS

APRIL 30, 2016
L.C. EXP. DATE

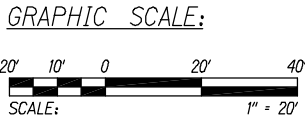
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2015	40	293



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

Legend:

- New 2" Asphalt Pavement
- Full Depth Pavement Reconstruction



Install 126" Wide Quad Guard II Impact Attenuator (TL-3) or Approved Equal. Install 6" Reinforced Concrete Pad Per Manufacturer's Recommendation Over 6" Aggregate Subbase.

CURVE DATA	
Δ	45°00'
Δ/2	22°30'
R	1145.92'
T	474.66'
C	877.05'
LC	900'



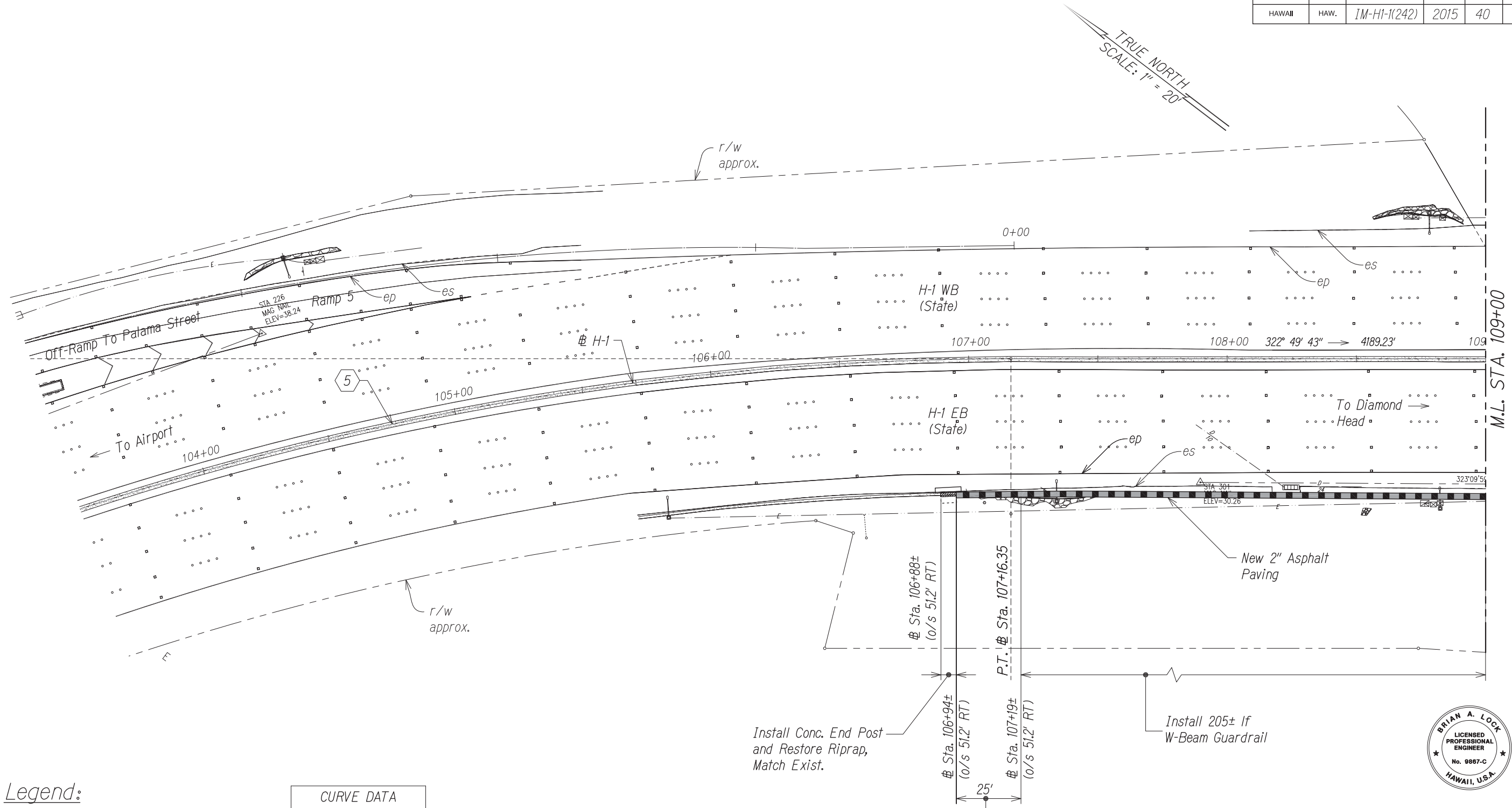
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WILSON OKAMOTO CORPORATION APRIL 30, 2016 LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KAPALAMA CANAL
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-8 OF 18 SHEETS

STA. 81+50 TO 87+00 (# H-1)

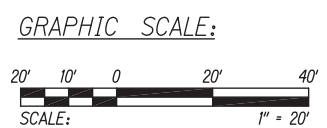
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	40	XX



Legend:

- New 2" Asphalt Paving
- Full Depth Pavement Reconstruction

CURVE DATA	
	5
Δ	43°01'
Δ/2	21°30'30"
R	1145.92'
T	451.58'
C	840.27'
L _C	860.34'



STA. 103+50 TO 109+00 (H-1)



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

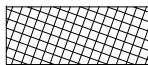
LILIHA STREET OVERPASS
SITE LAYOUT PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2015

SHEET No. SL-9 OF 18 SHEETS

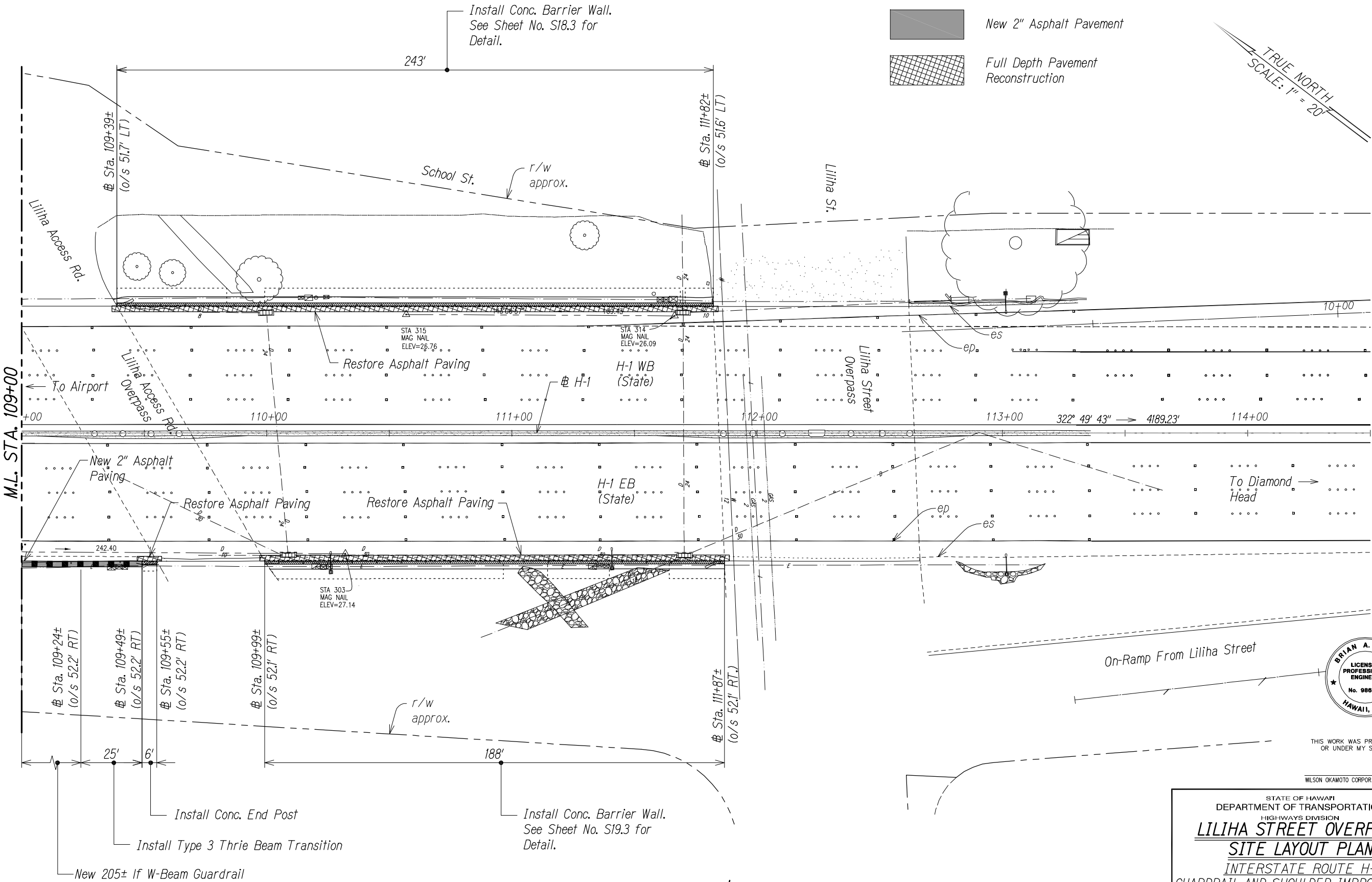
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	42	293

Legend:

- 
New 2" Asphalt Pavement
- 
Full Depth Pavement Reconstruction

TRUE NORTH
SCALE: 1" = 20'

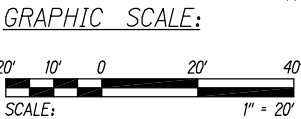


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LILIHA STREET OVERPASS
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-10 OF 18 SHEETS

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



STA. 109+00 TO 114+50 (# H-1)

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

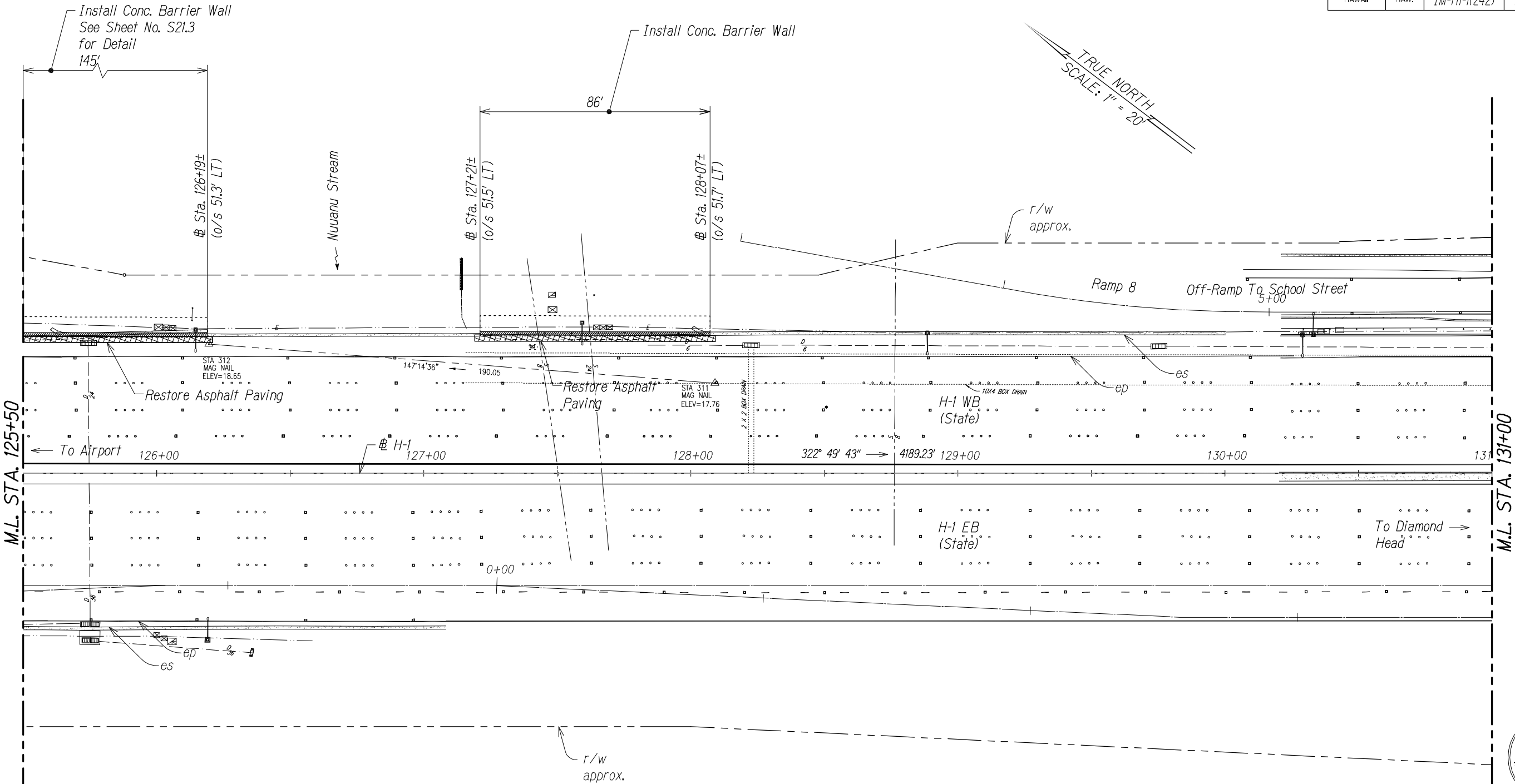
AALA STREET & NUUANU STREAM
SITE LAYOUT PLAN

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: Feb. 2016

SHEET No. SL-11 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	44	293



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

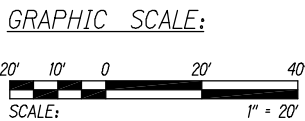
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
SITE LAYOUT PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. SL-12 OF 18 SHEETS

STA. 125+50 TO 131+00 (# H-1)

Legend:

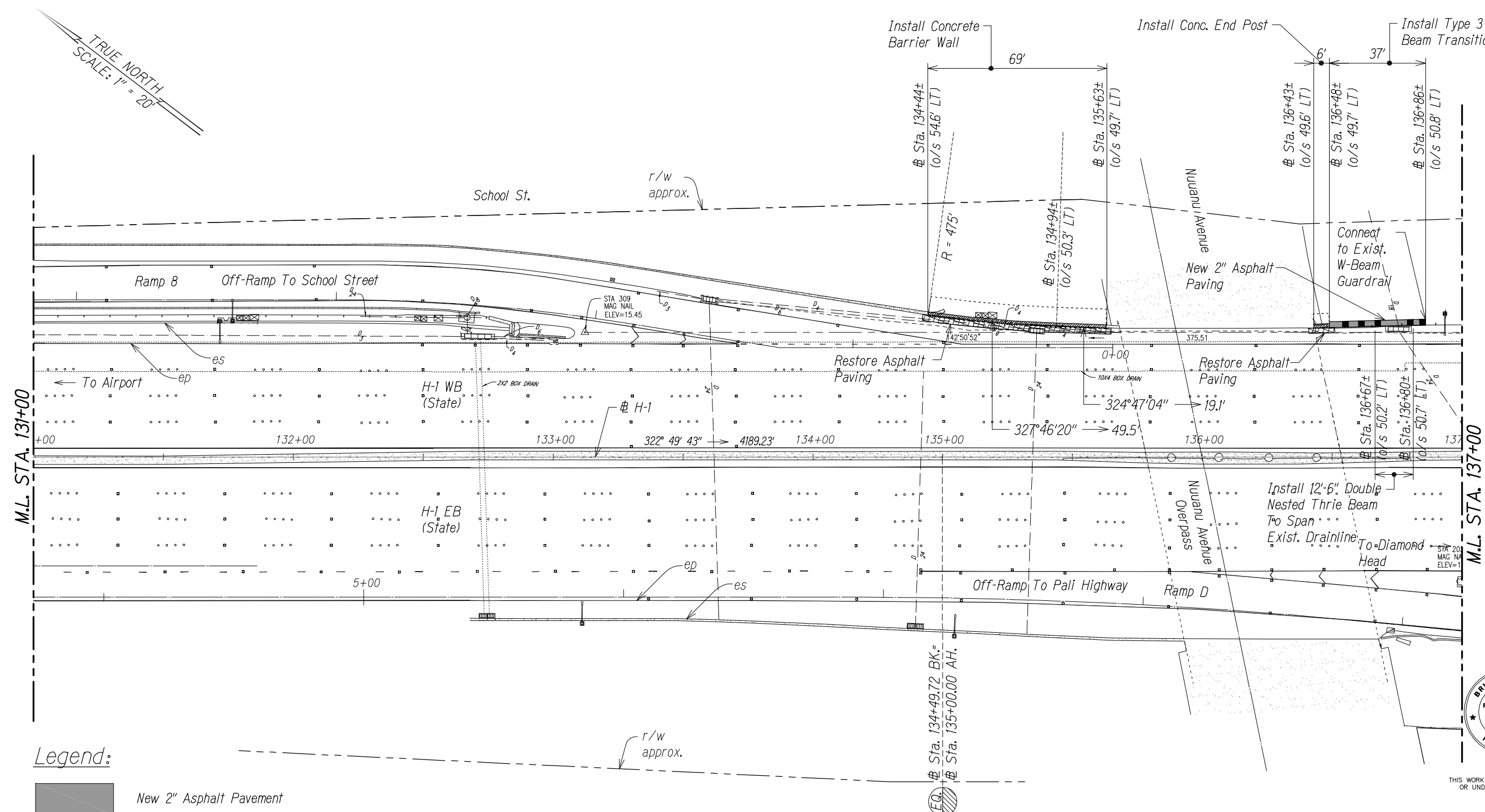
New 2" Asphalt Pavement

Full Depth Pavement Reconstruction



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED 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.	1M-H1-1(242)	2015	45	293



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WILSON OKAMOTO CORPORATION L.C. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NUUANU AVENUE
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-13 OF 18 SHEETS

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

Legend:

New 2" Asphalt Pavement

Full Depth Pavement Reconstruction

GRAPHIC SCALE:

SCALE: 1" = 20'

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

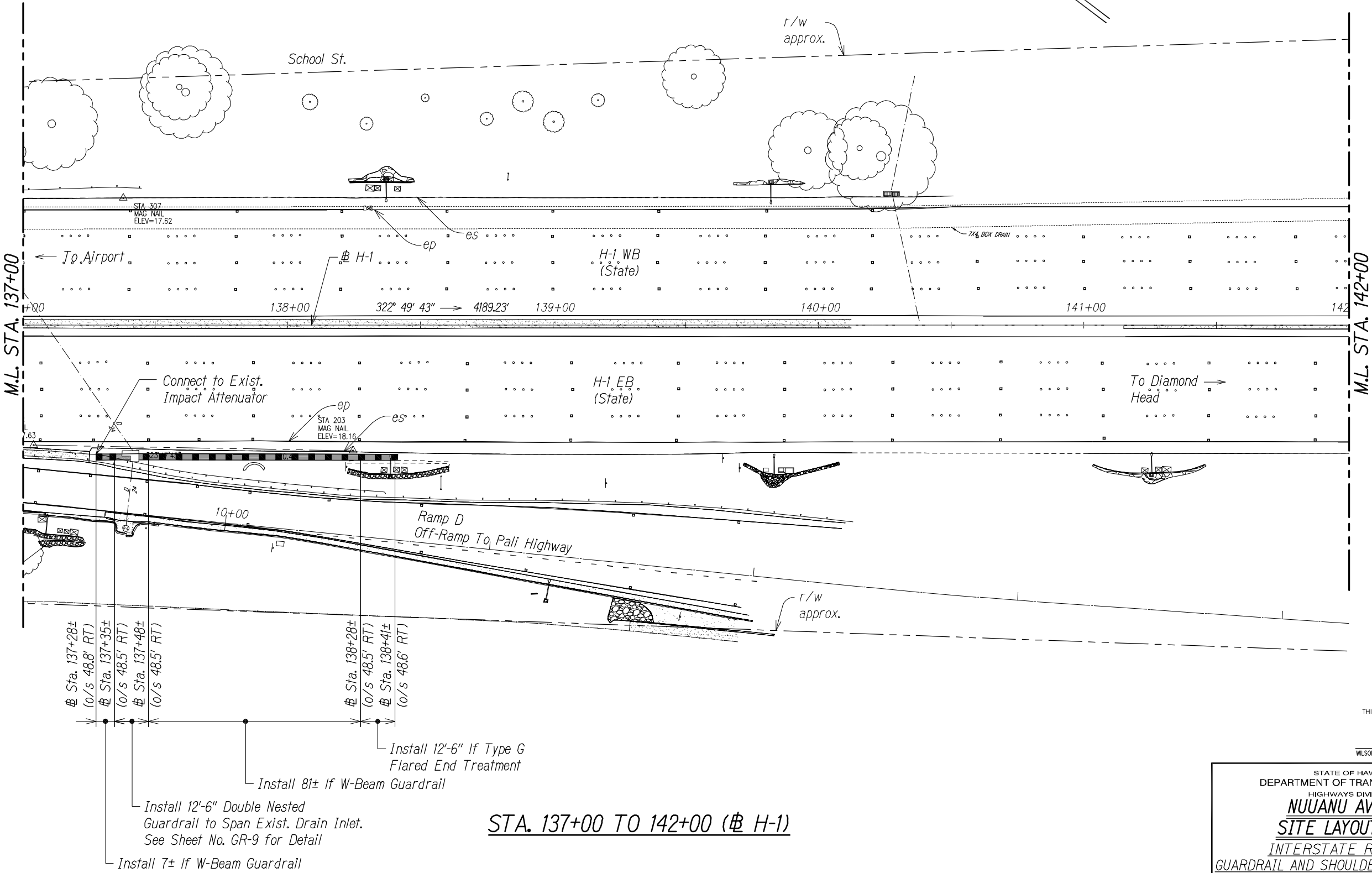
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	46	293

Legend:

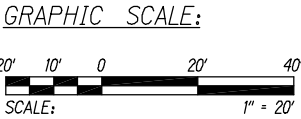


New 2" Asphalt Pavement

TRUE NORTH
SCALE: 1" = 20'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

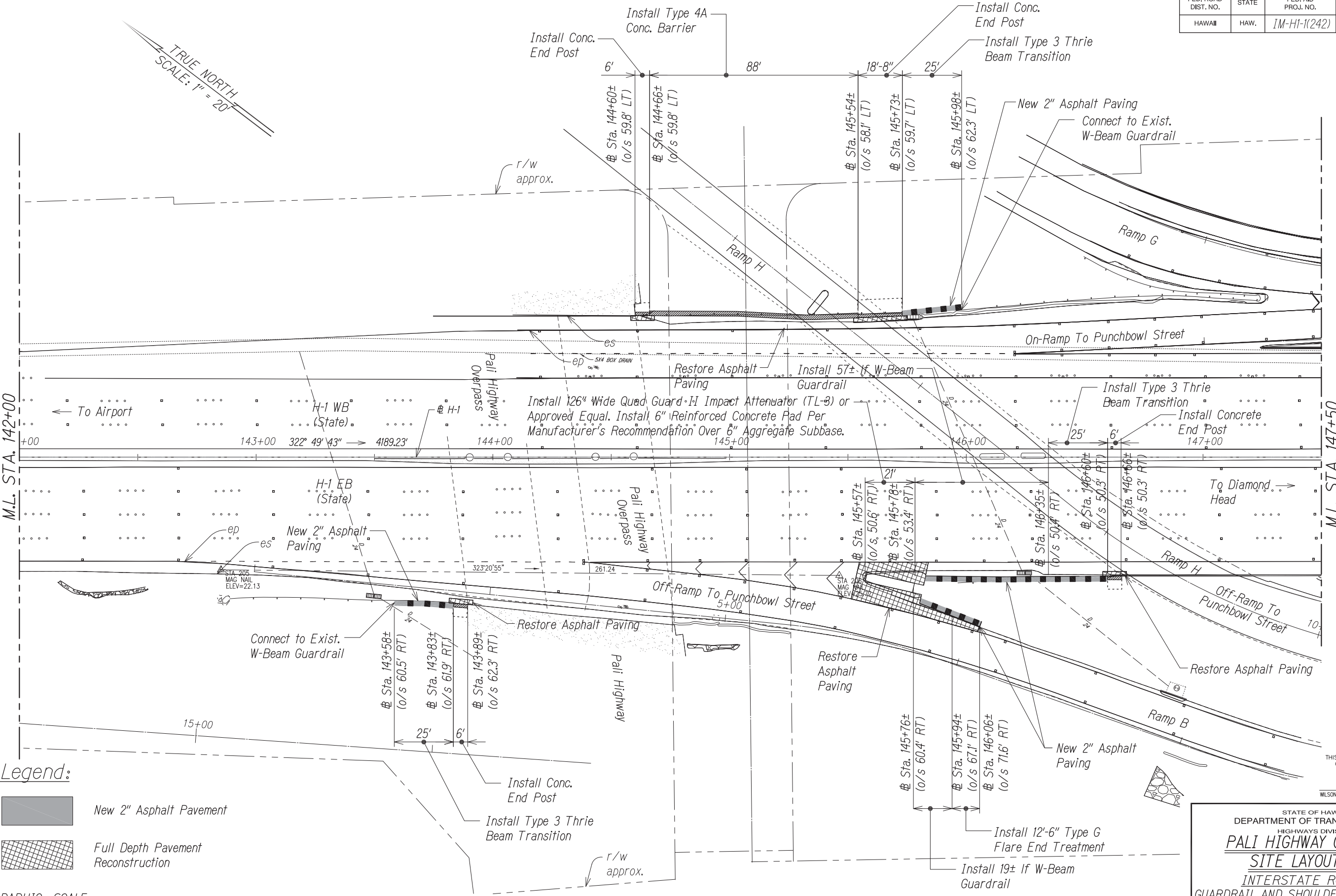


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WILSON OKAMOTO CORPORATION
APRIL 30, 2016
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
NUUANU AVENUE
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-14 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	46	XX



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

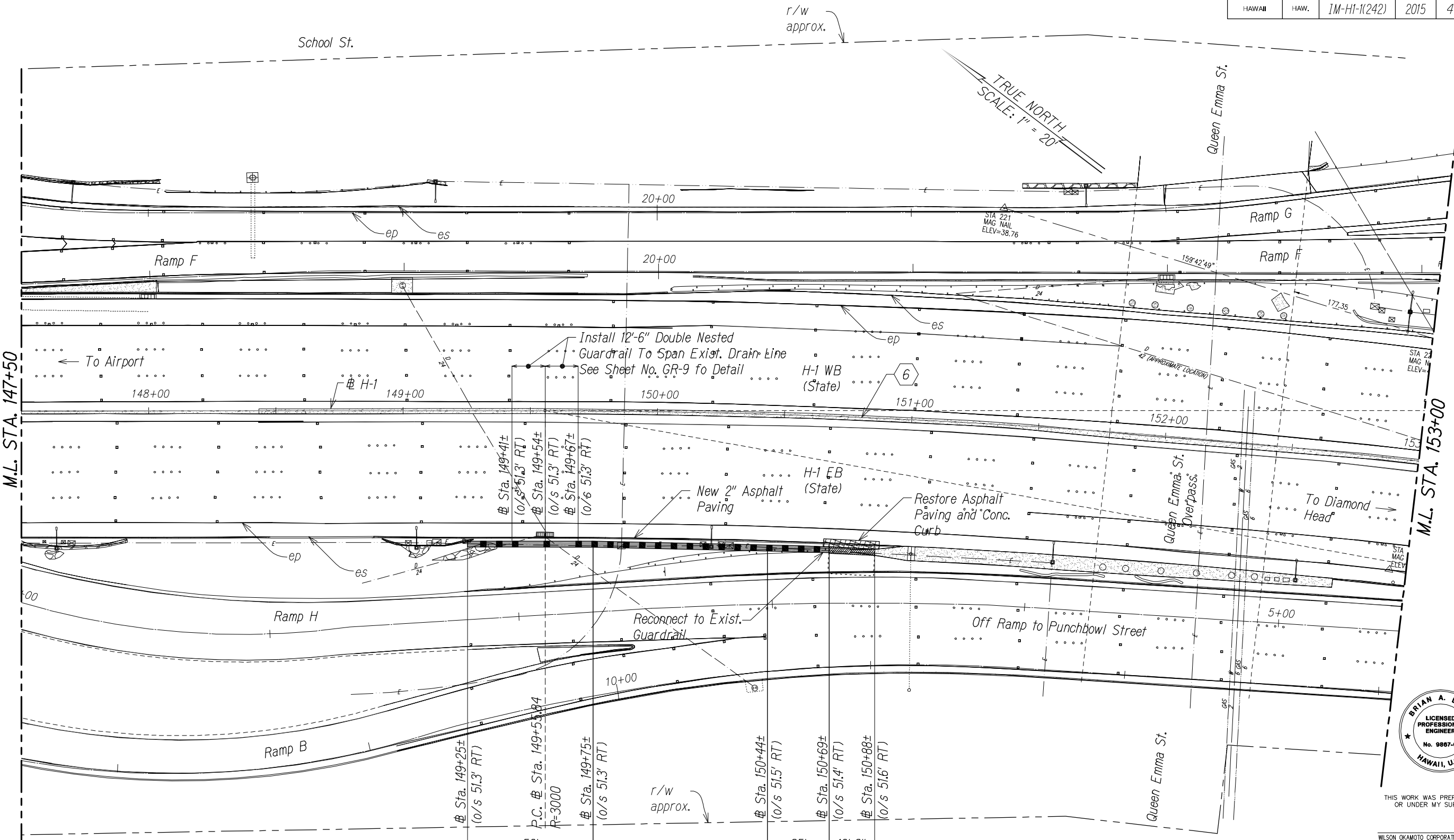


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
SITE LAYOUT 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: Feb. 2015
SHEET No. SL-15 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2015	48	293



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

Curve Data	
Δ	20°15'30"
$\Delta/2$	10°07'45"
R	3000'
T	535.96'
C	1055.21'
LC	1060.72'

Legend:	
	New 2" Asphalt Pavement
	Full Depth Pavement Reconstruction

- Install SKT 350 End Treatment
- Install 69± If W-Beam Guardrail
- Install Type 3 Thrie Beam Transition
- Install Concrete End Post and Restore (Portion) Exist Conc. Barrier

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PALI HIGHWAY OVERPASS

SITE LAYOUT 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: Feb. 2016

SHEET No. SL-16 OF 18 SHEETS



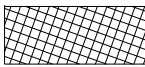
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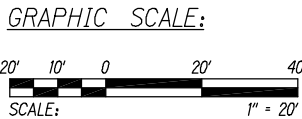
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2015	49	293

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

Legend:

-  New 2" Asphalt Pavement
-  Full Depth Pavement Reconstruction



Curve Data	
	6
Δ	20°15'30"
$\Delta/2$	10°07'45"
R	3000'
T	535.96'
C	1055.21'
LC	1060.72'

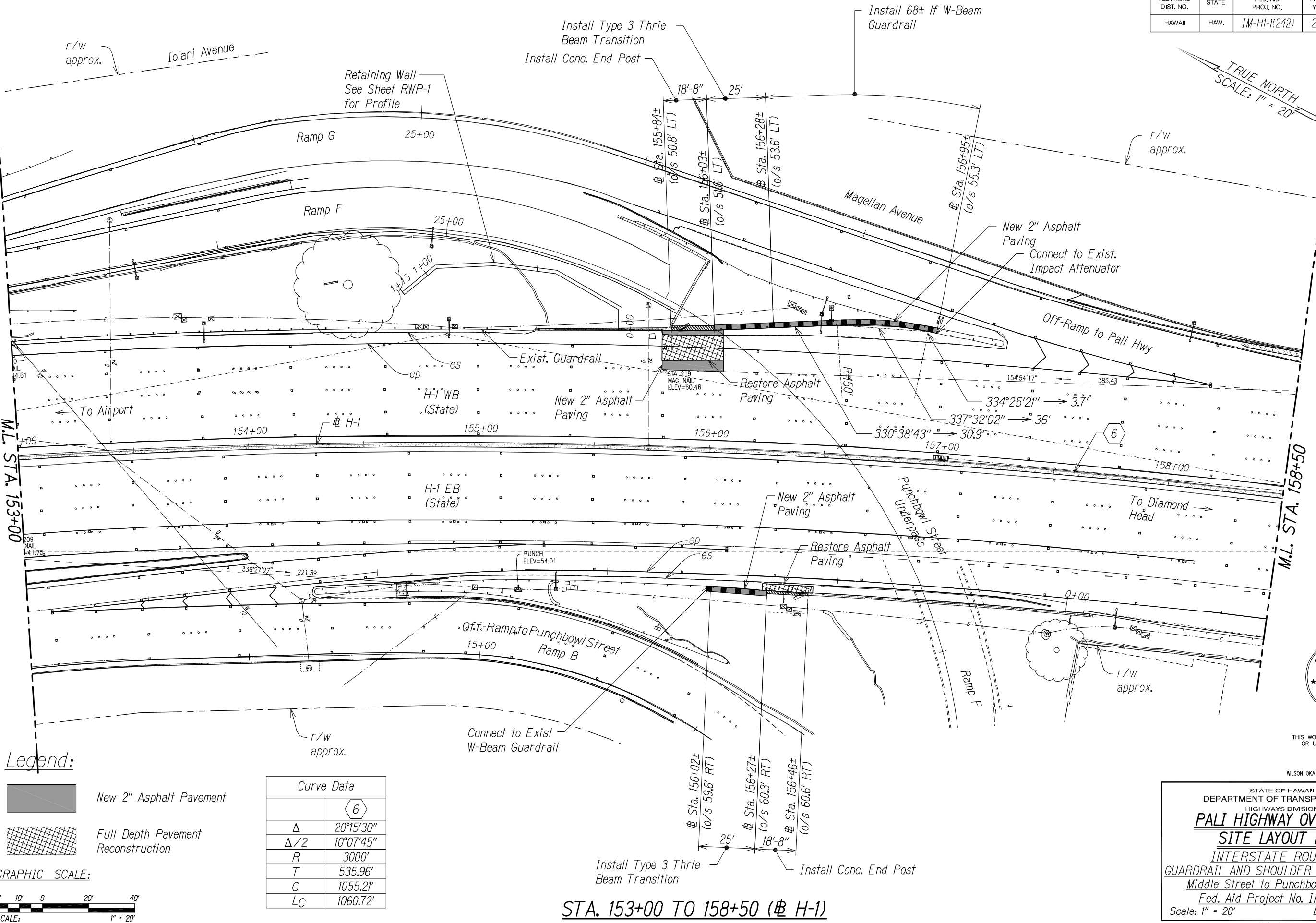


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PALI HIGHWAY OVERPASS
SITE LAYOUT 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: Feb. 2016
SHEET No. SL-17 OF 18 SHEETS



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

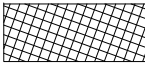
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	50	293

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

Legend:

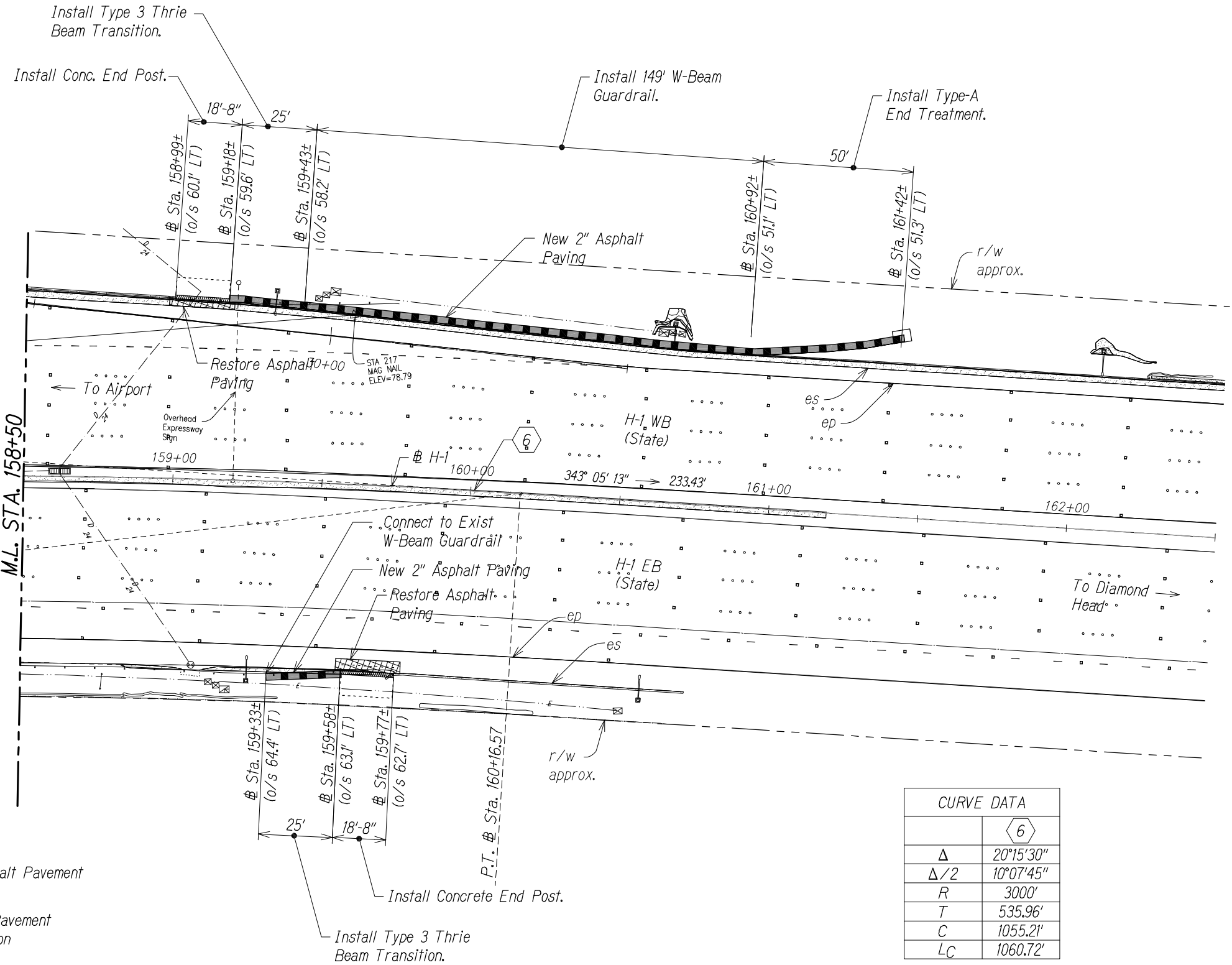


New 2" Asphalt Pavement



Full Depth Pavement Reconstruction

GRAPHIC SCALE:



CURVE DATA	
	6
Δ	20°15'30"
$\Delta/2$	10°07'45"
R	3000'
T	535.96'
C	1055.21'
LC	1060.72'



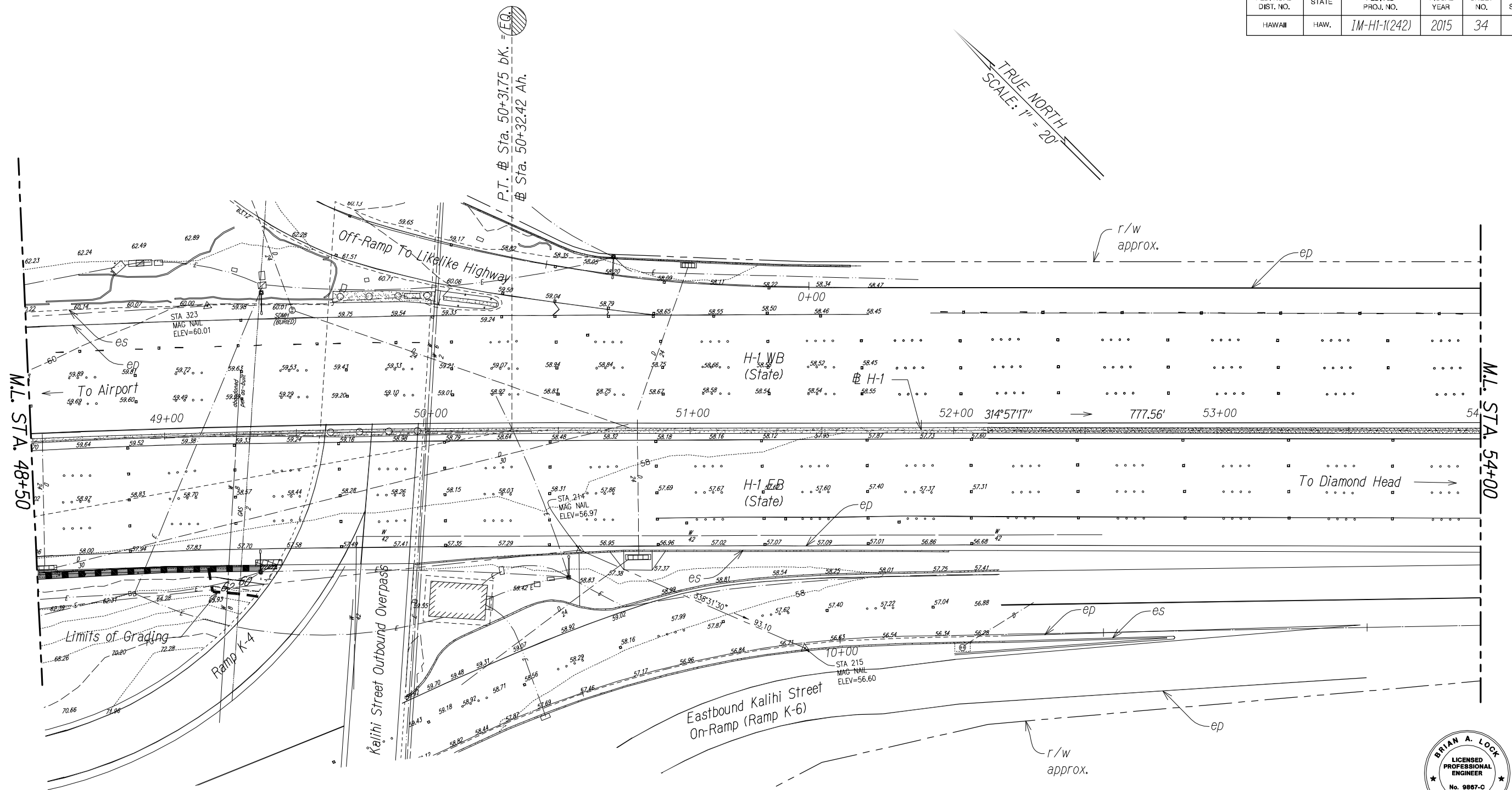
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

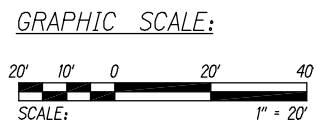
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
SITE LAYOUT PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. SL-18 OF 18 SHEETS

50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2015	34	293



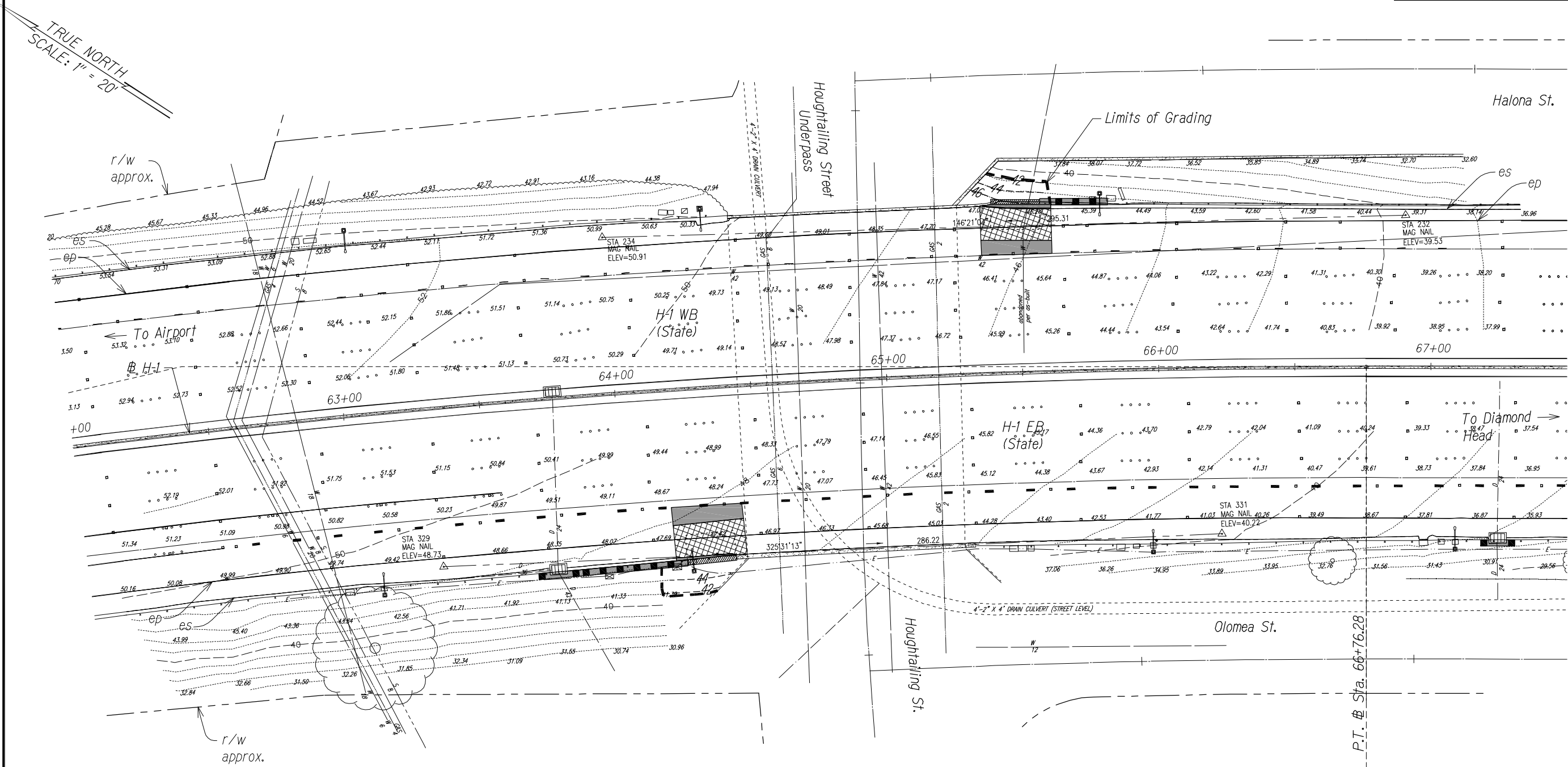
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	



STA. 48+50 TO 54+00 (H-1)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
GRADING 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: Feb. 2016
SHEET No. GP-1 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	36	293



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STA. 62+00 TO 67+50 (# H-1)

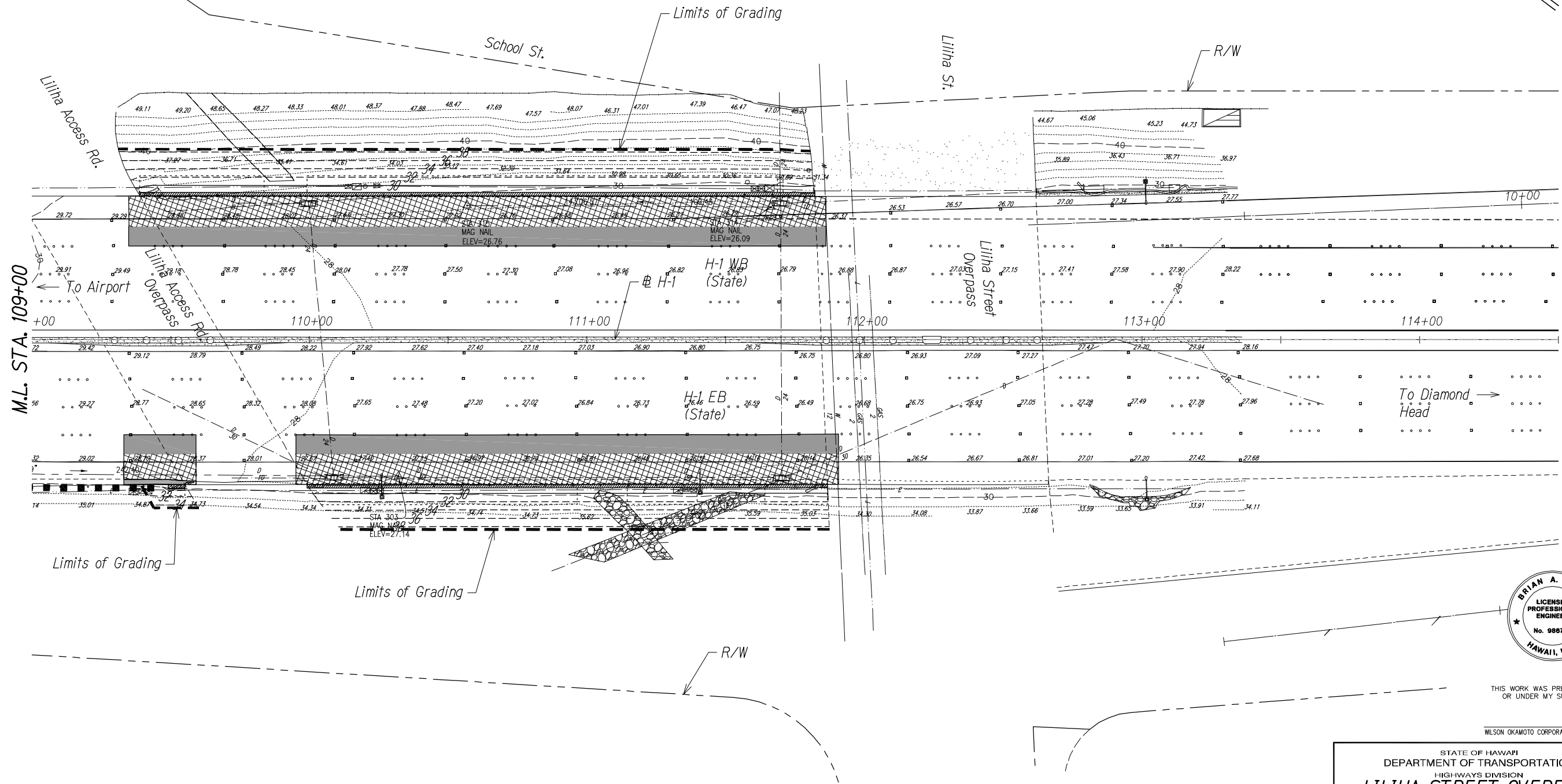
GRAPHIC SCALE:



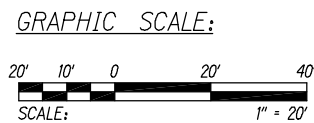
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HOUGHTAILING SEPARATION
GRADING PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. GP-2 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	53	293

TRUE NORTH
SCALE: 1" = 20'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	



STA. 109+00 TO 114+50 (# H-1)

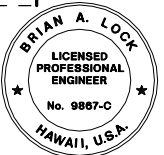
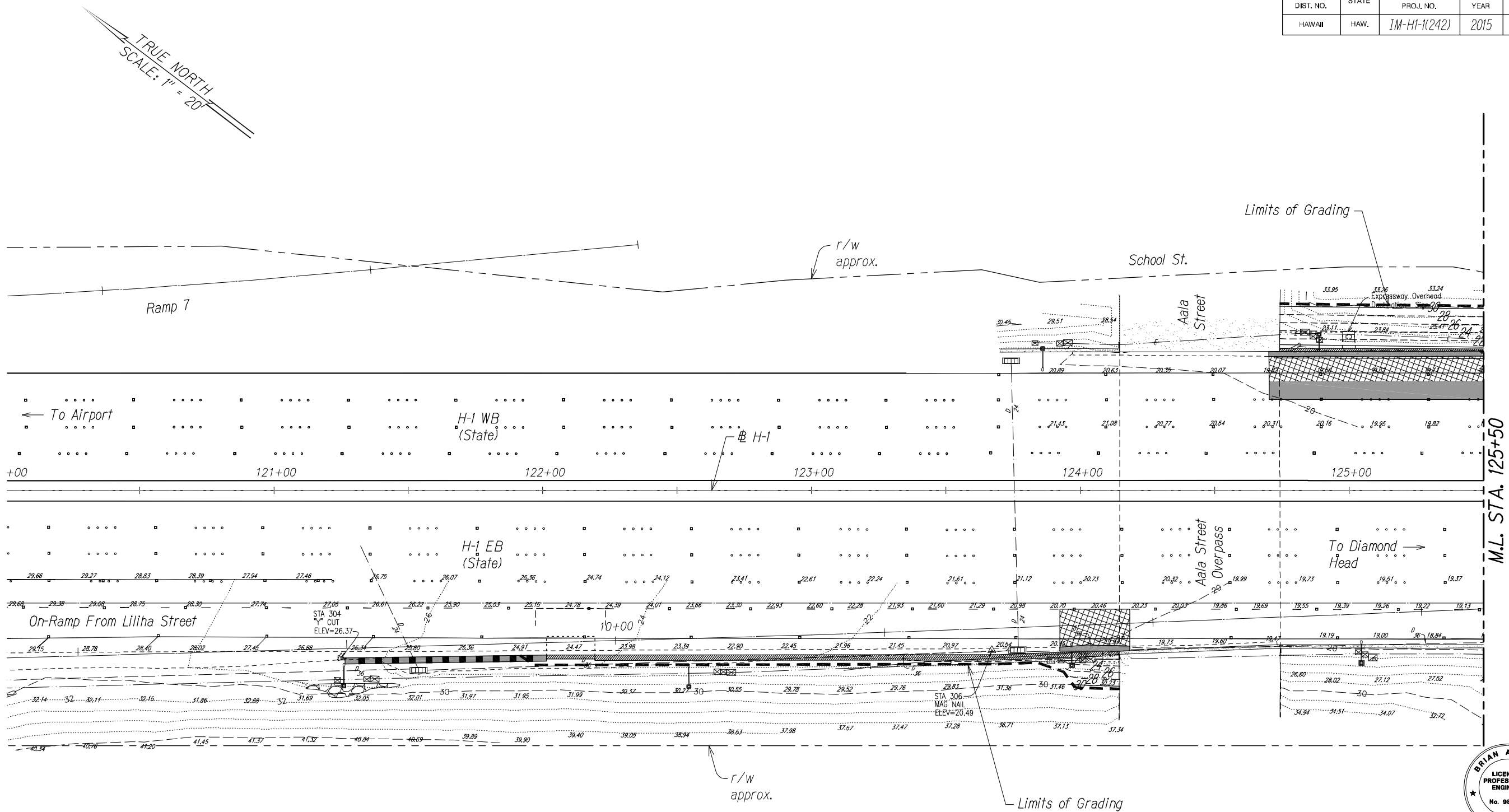


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LILIHA STREET OVERPASS
GRADING 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: Feb. 2016
SHEET No. GP-3 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	54	293



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
GRADING 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: Feb. 2016
SHEET No. GP-4 OF 9 SHEETS

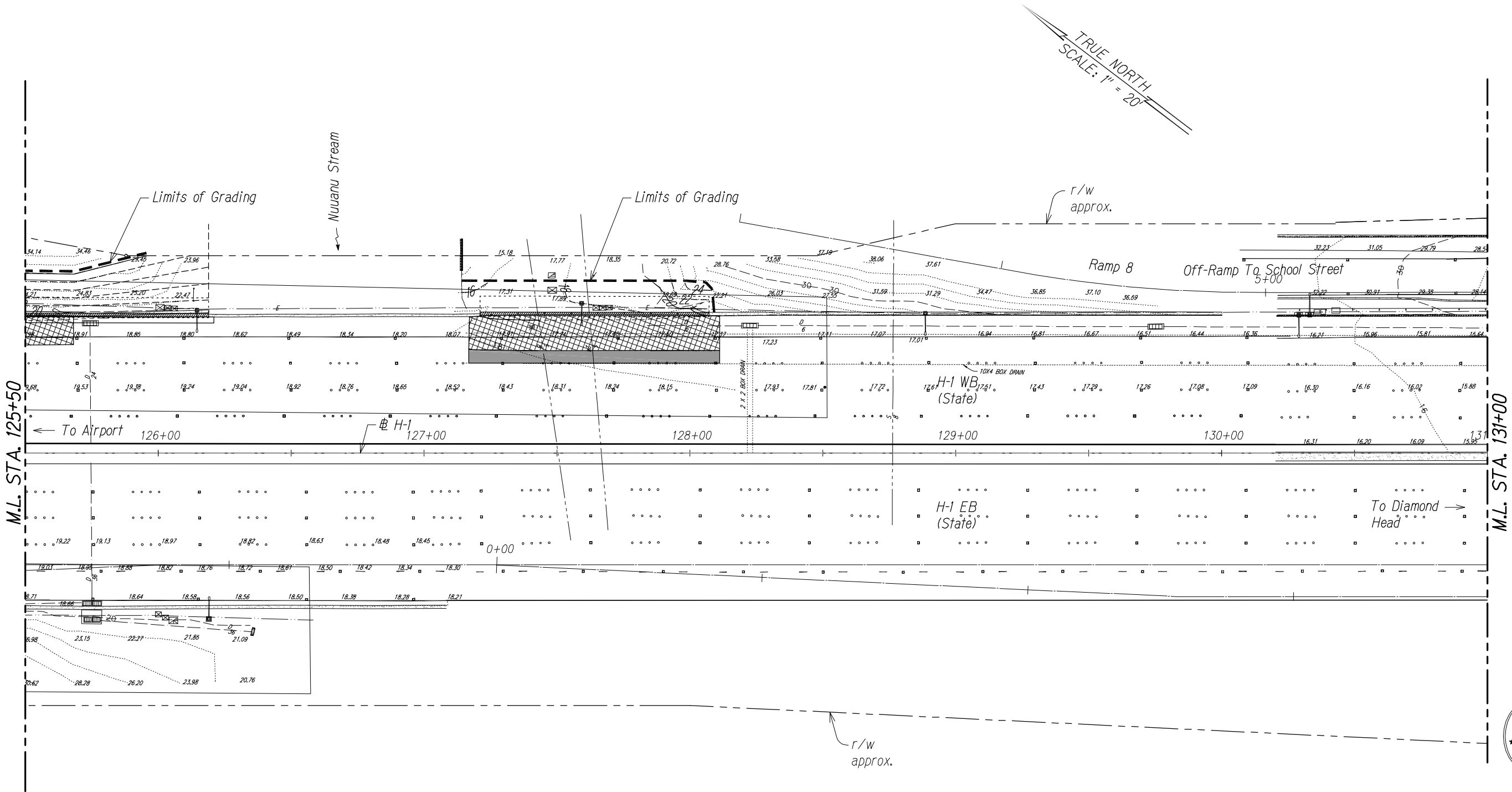
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

GRAPHIC SCALE:



STA. 120+00 TO 125+50 (# H-1)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	55	293

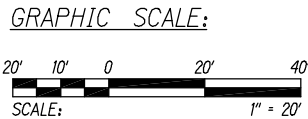


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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

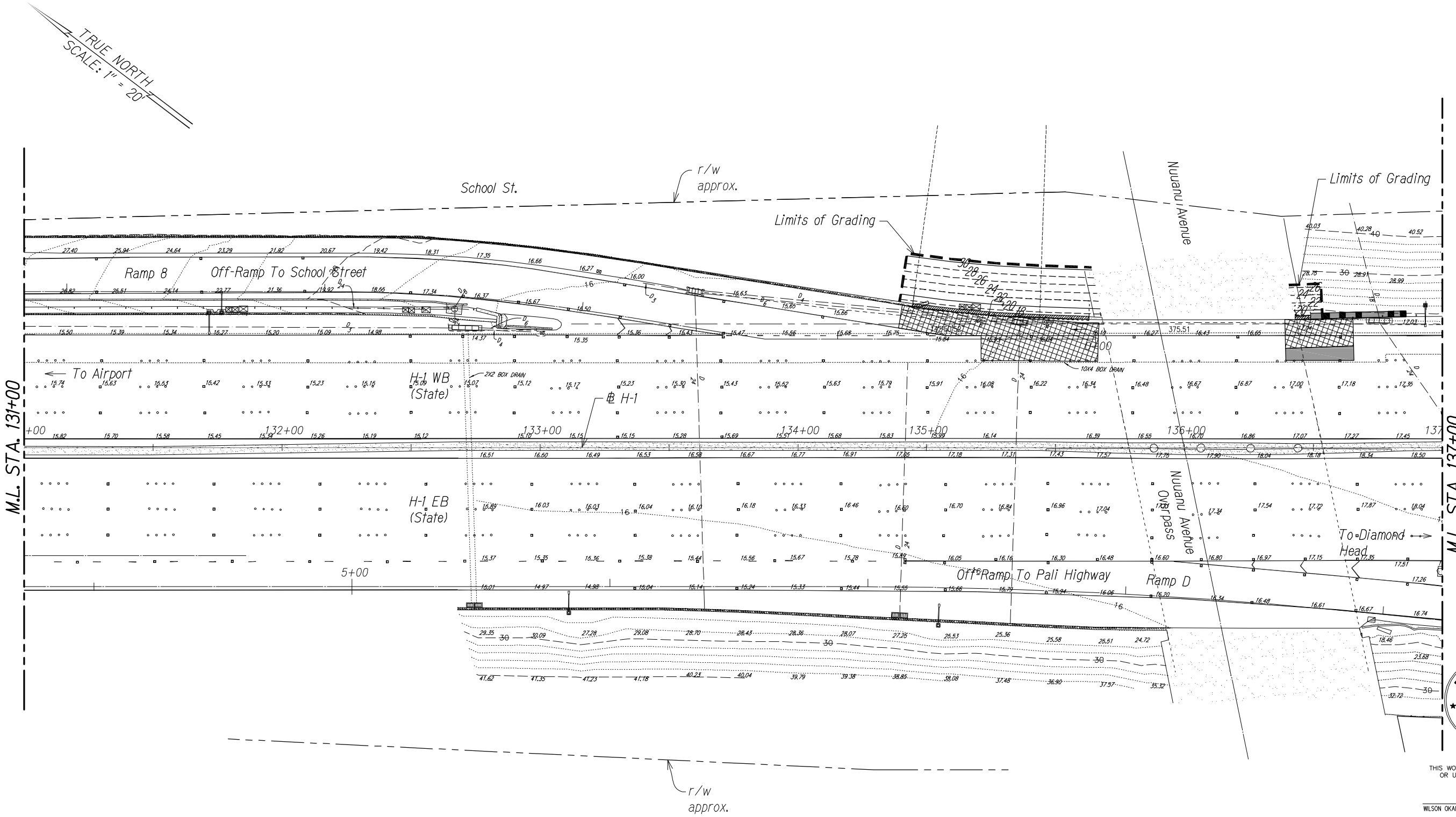
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
GRADING PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. GP-5 OF 9 SHEETS

STA. 125+50 TO 131+00 (# H-1)



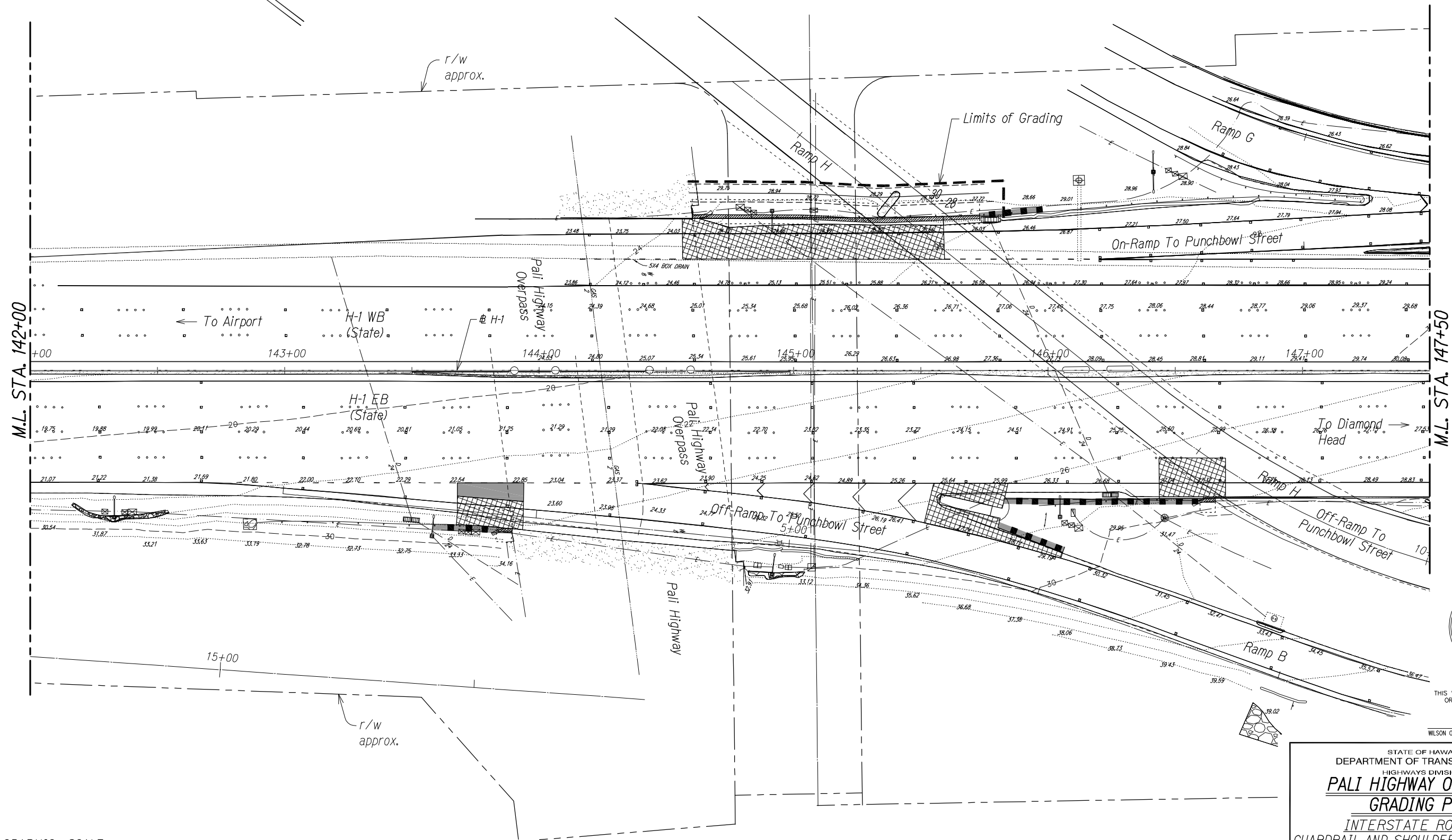
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	56	293



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	57	293

TRUE NORTH
SCALE: 1" = 20'



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

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

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

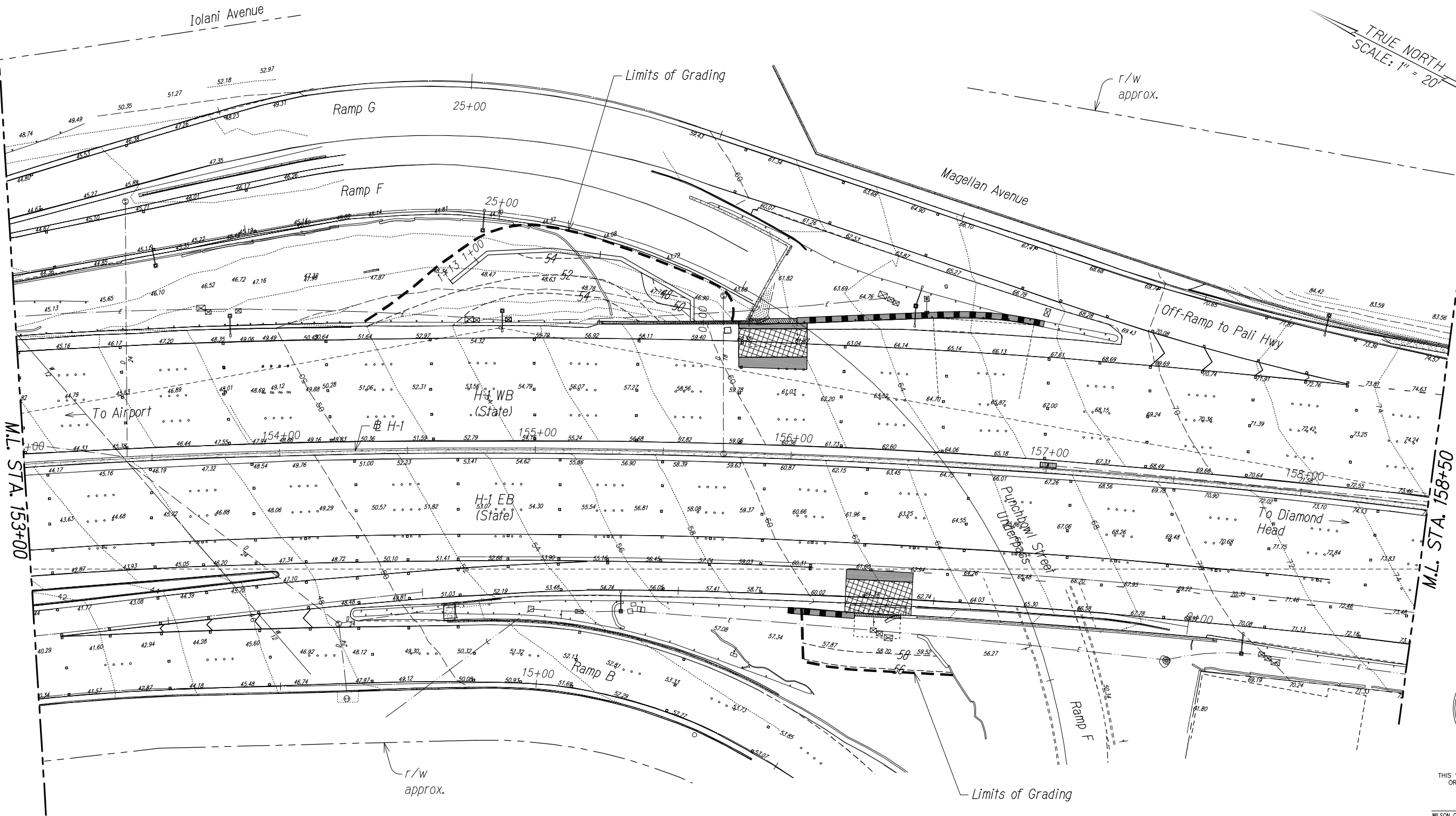


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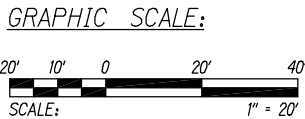
APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
GRADING 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: Feb. 2016
SHEET No. GP-7 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	58	293



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



STA. 153+00 TO 158+50 (# 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
GRADING PLAN

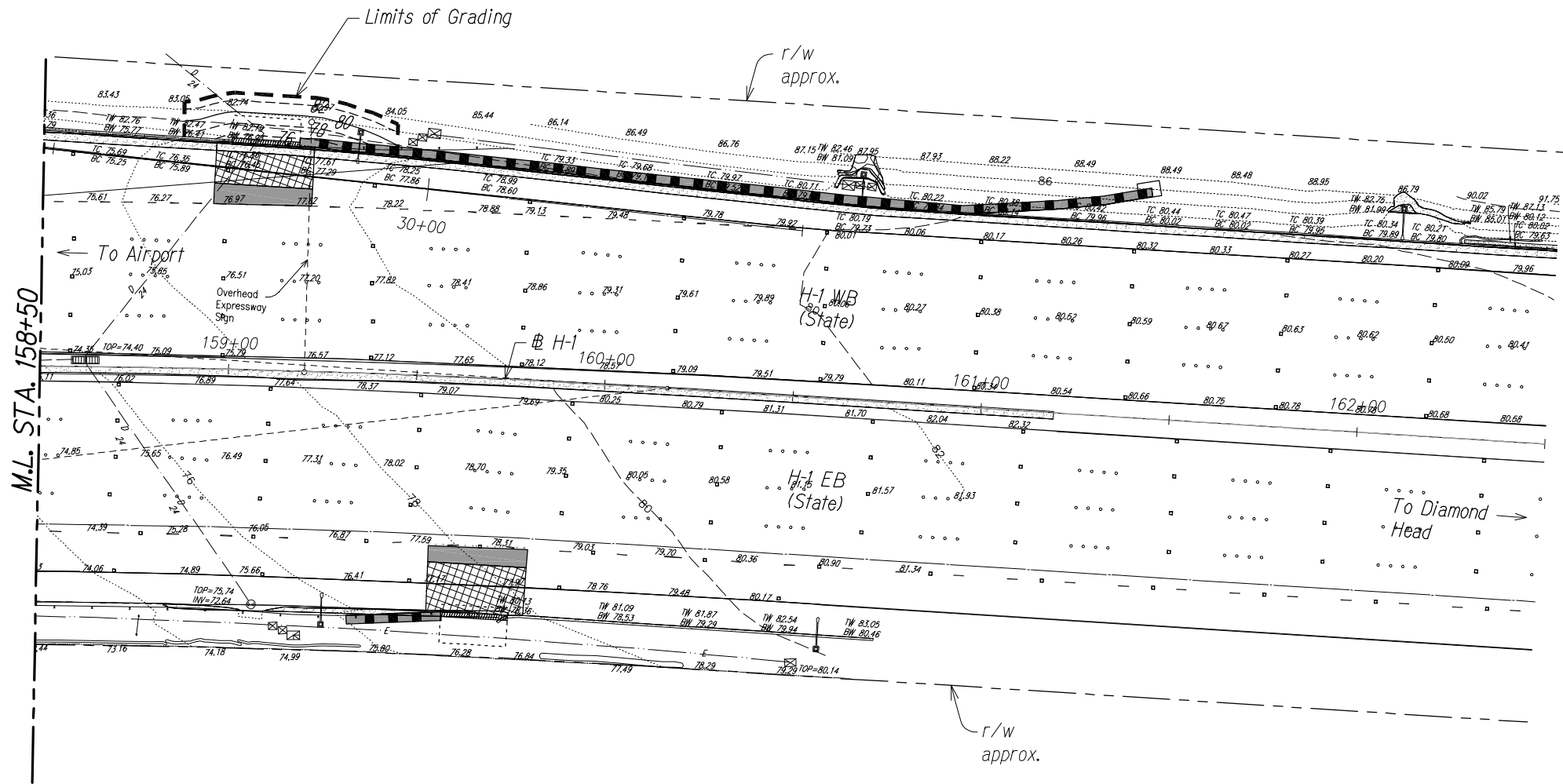
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-HI-1(242)

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

SHEET No. GP-8 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2015	59	293

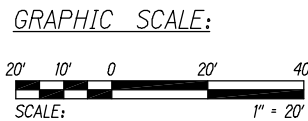
TRUE NORTH
SCALE: 1" = 20'



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

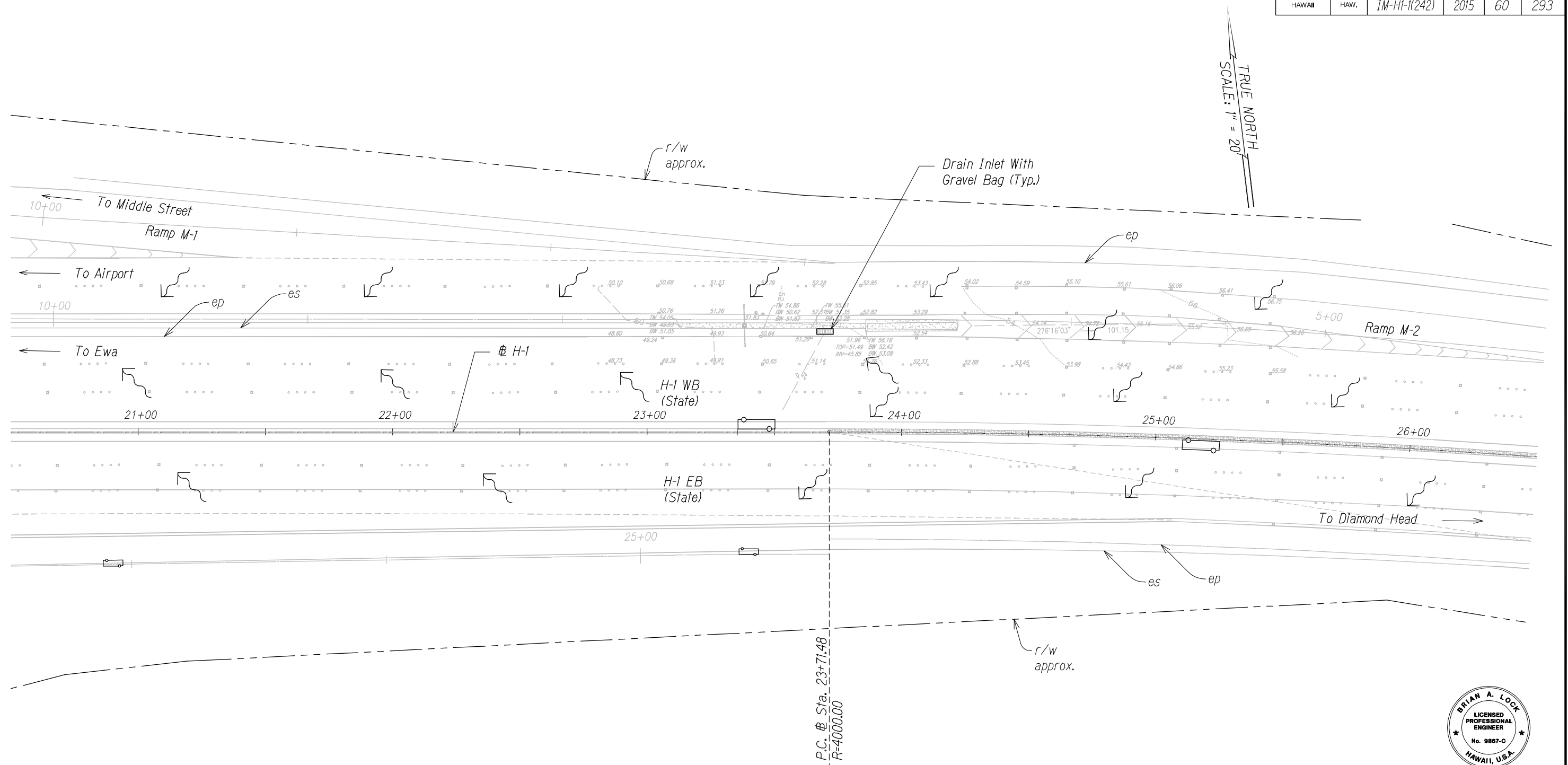
STA. 158+50 TO 162+50 (H-1)



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
GRADING 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: Feb. 2016
SHEET No. GP-9 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	60	293



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

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

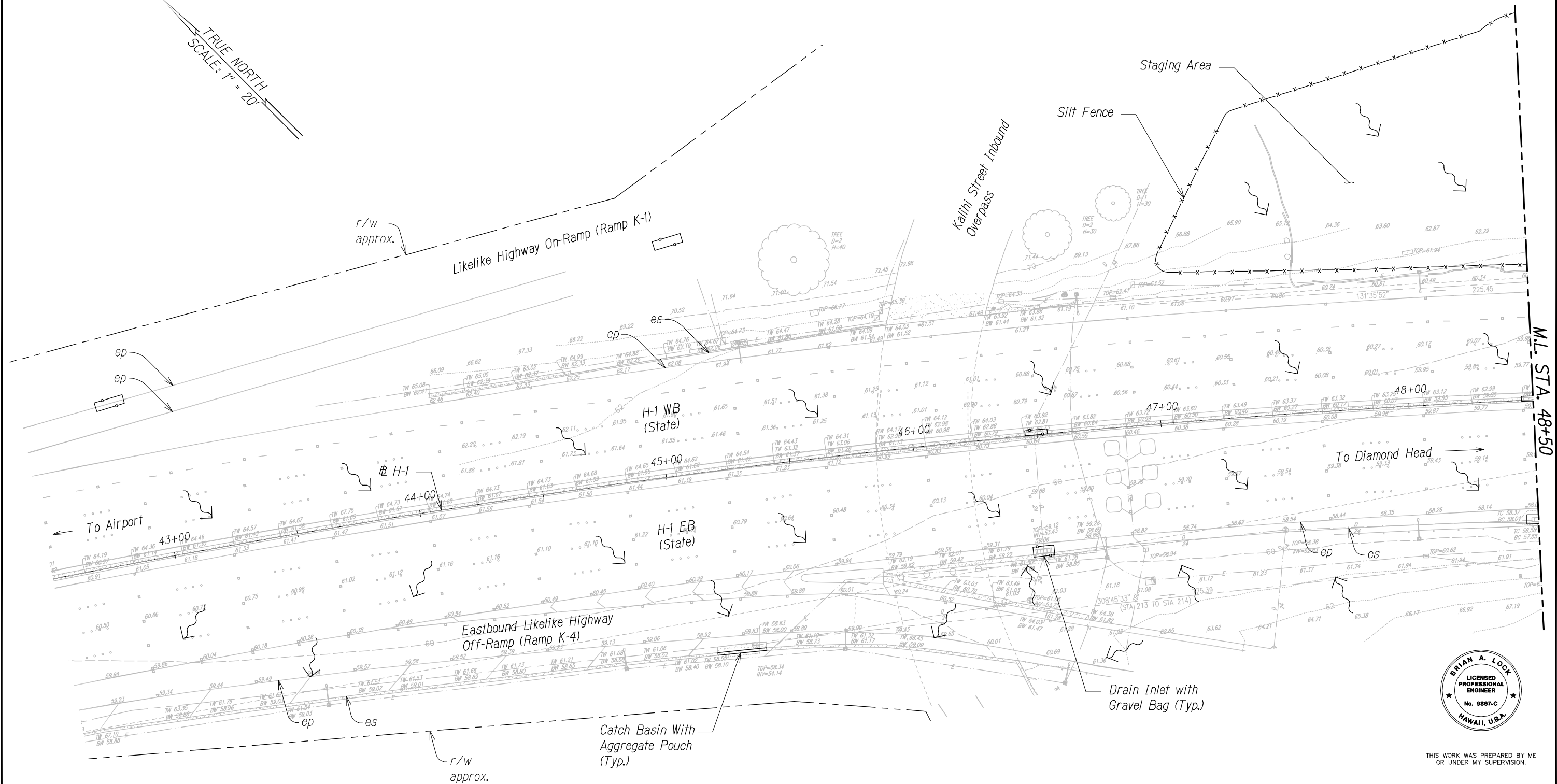
Legend:

- | | |
|---|--|
|  | <i>Silt Fence</i> |
|  | <i>Protect Drainage
Basin/Drainage Inlet</i> |
|  | <i>Aggregate Filter Pouch</i> |
|  | <i>Surface Flow Direction</i> |

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: Feb. 2016
SHEET No. ECP-1 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-K(242)	2015	61	293

TRUE NORTH
SCALE: 1" = 20'



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APRIL 30, 2016
WILSON OKAMOTO CORPORATION L.C. EXP. DATE

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

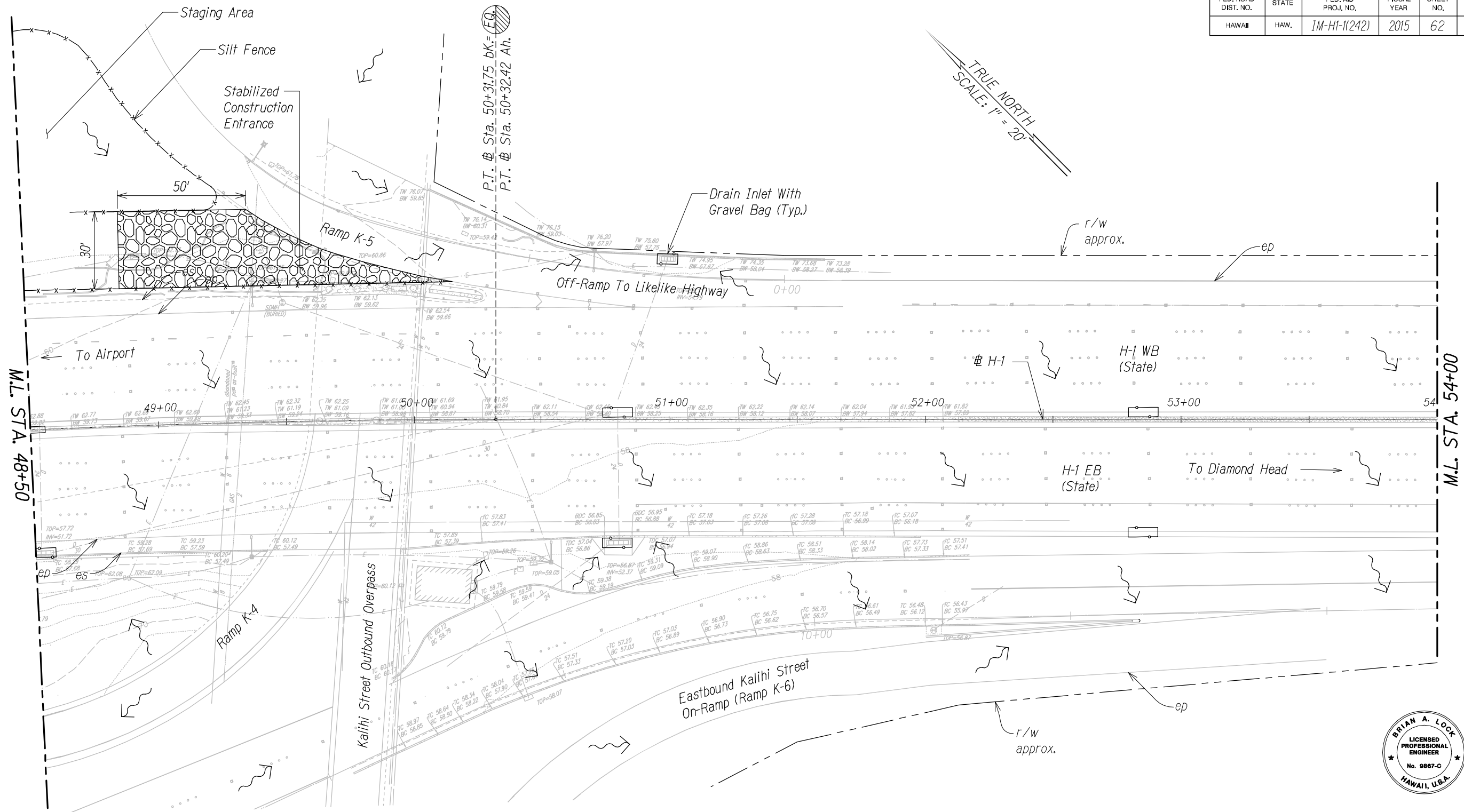
Legend:

- x-x- Silt Fence
- o-o- Protect Drainage
- - - Basin/Drainage Inlet
- - - Aggregate Filter Pouch
- ← Surface Flow Direction

STA. 42+50 TO 48+50 (# H-1)

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-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-2 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	62	293



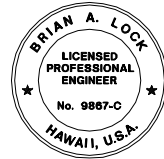
M.L. STA. 48+50

M.L. STA. 54+00

STA. 48+50 TO 54+00 (# H-1)

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

- Legend:**
- x-x- Silt Fence
 - o-o- Protect Drainage
 - - - Basin/Drainage Inlet
 - Aggregate Filter Pouch
 - Surface Flow Direction

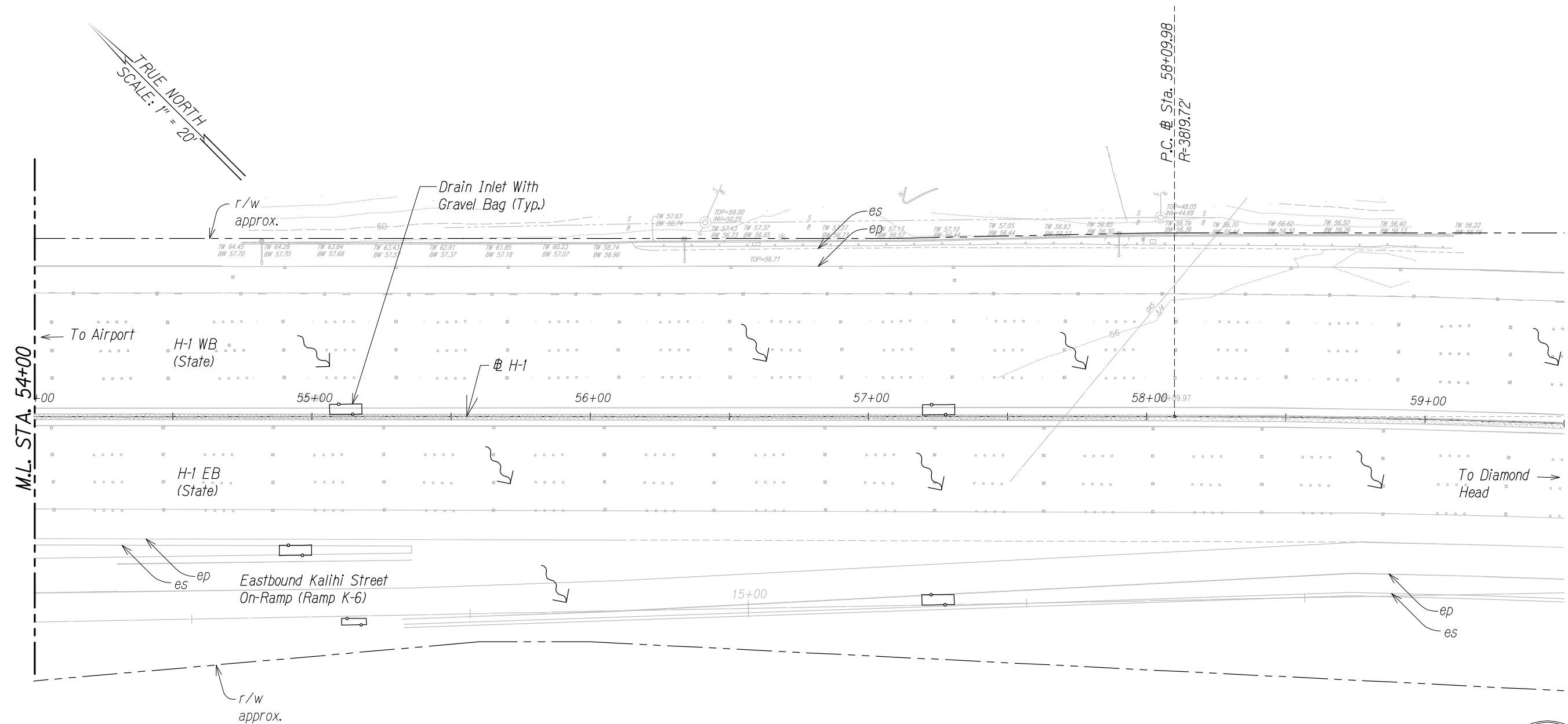


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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: Feb. 2016
SHEET No. ECP-3 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	63	293



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



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

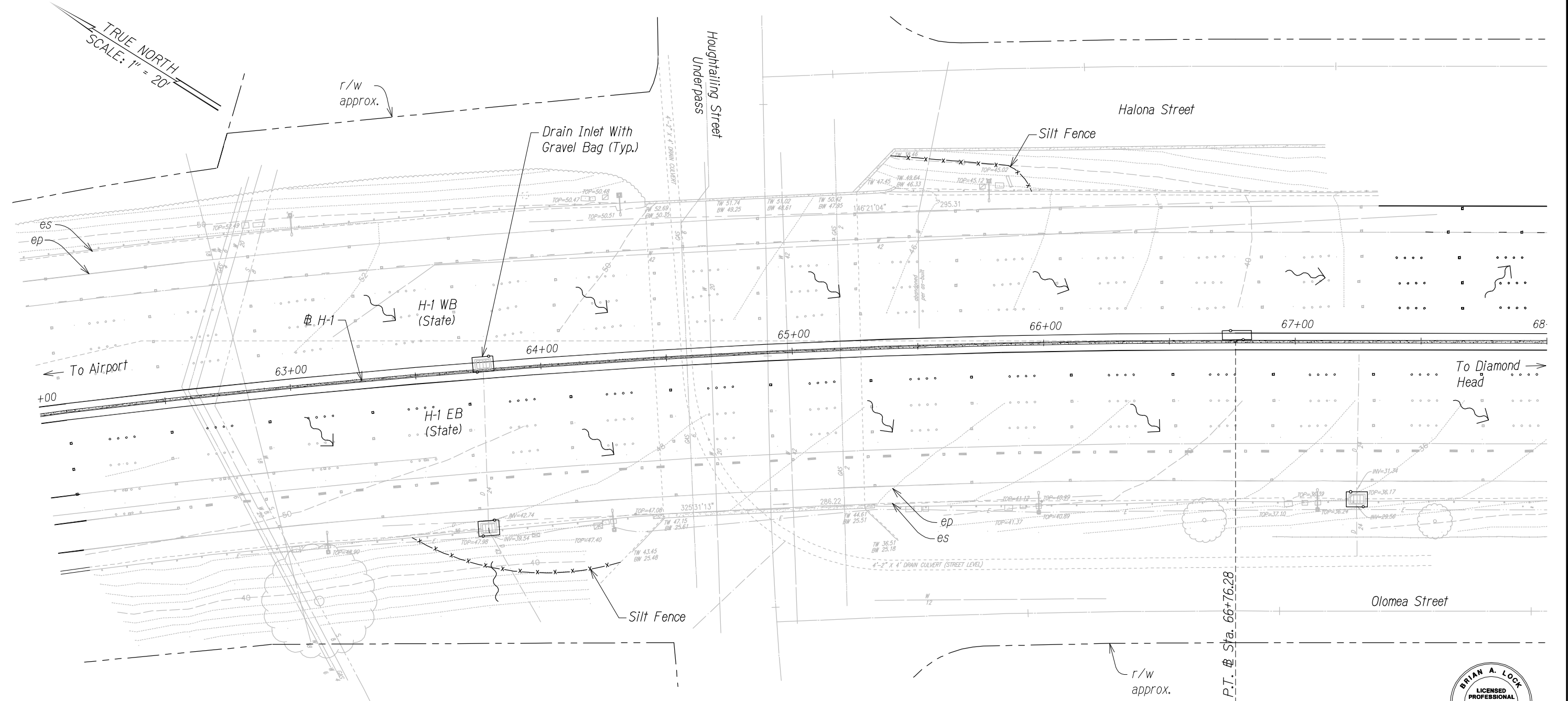
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALIHI INTERCHANGE
EROSION CONTROL PLAN
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-4 OF 18 SHEETS

Legend:

- x-x- Silt Fence
- Protect Drainage
- Basin/Drainage Inlet
- Aggregate Filter Pouch
- Surface Flow Direction

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	64	293



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

Legend:

- x-x- Silt Fence
- o-o- Protect Drainage Basin/Drainage Inlet
- - - Aggregate Filter Pouch
- ~ Surface Flow Direction

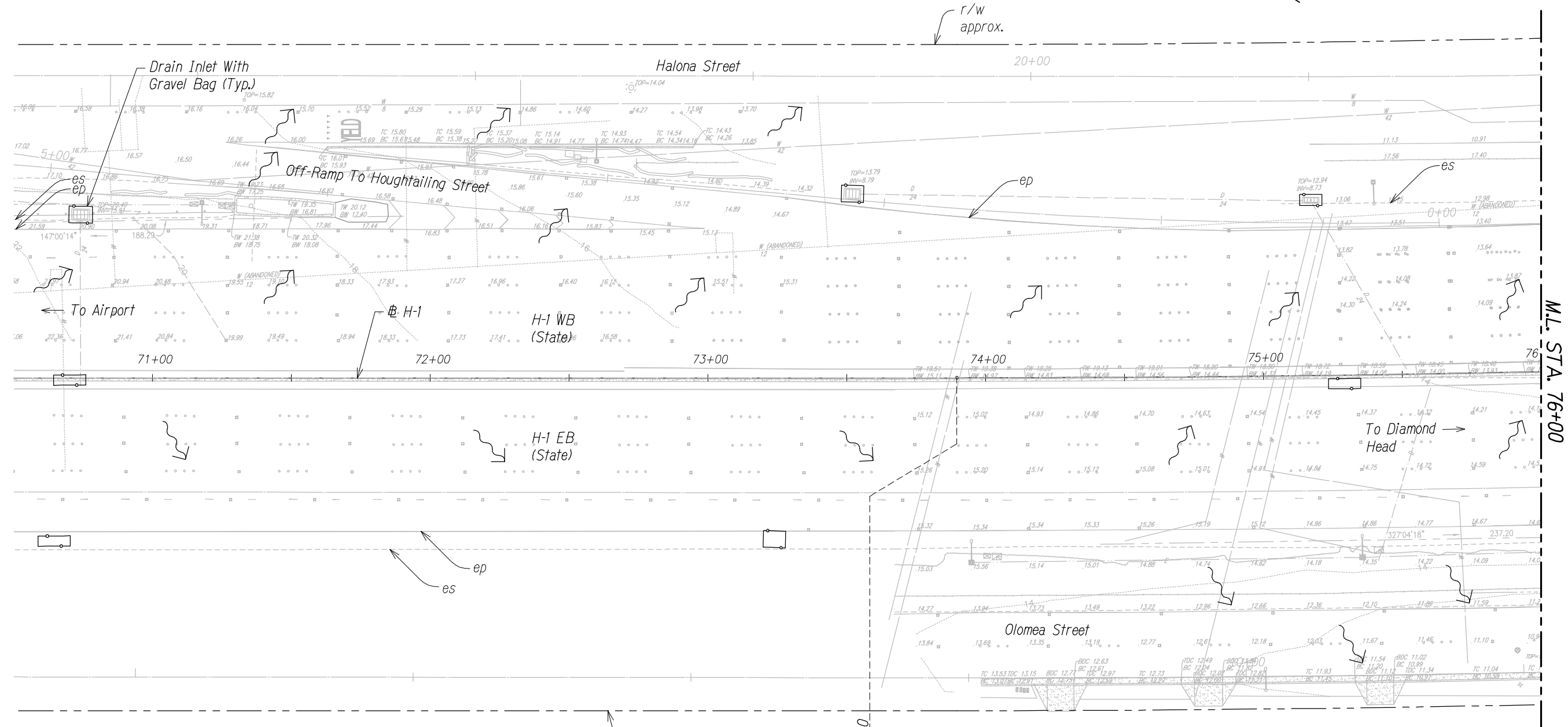
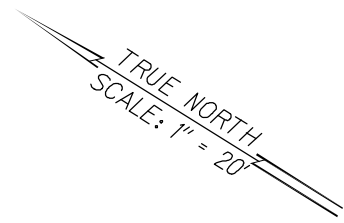


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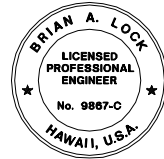
APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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: Feb. 2016
SHEET No. ECP-5 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	65	293



M.L. STA. 76+00



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APRIL 30, 2016
WILSON OKAMOTO CORPORATION L.C. EXP. DATE

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-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-6 OF 18 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

- Legend:
- x-x- Silt Fence
 - o-o- Protect Drainage
 - Basin/Drainage Inlet
 - Aggregate Filter Pouch
 - Surface Flow Direction

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

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-K(242)	2015	66	293

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

Legend:

- x-x- Silt Fence
- Protect Drainage Basin/Drainage Inlet
- Aggregate Filter Pouch
- Surface Flow Direction

M.L. STA. 76+00

M.L. STA. 81+50

STA. 76+00 TO 81+50 (# H-1)

P.T. # Sta. 79+36.48



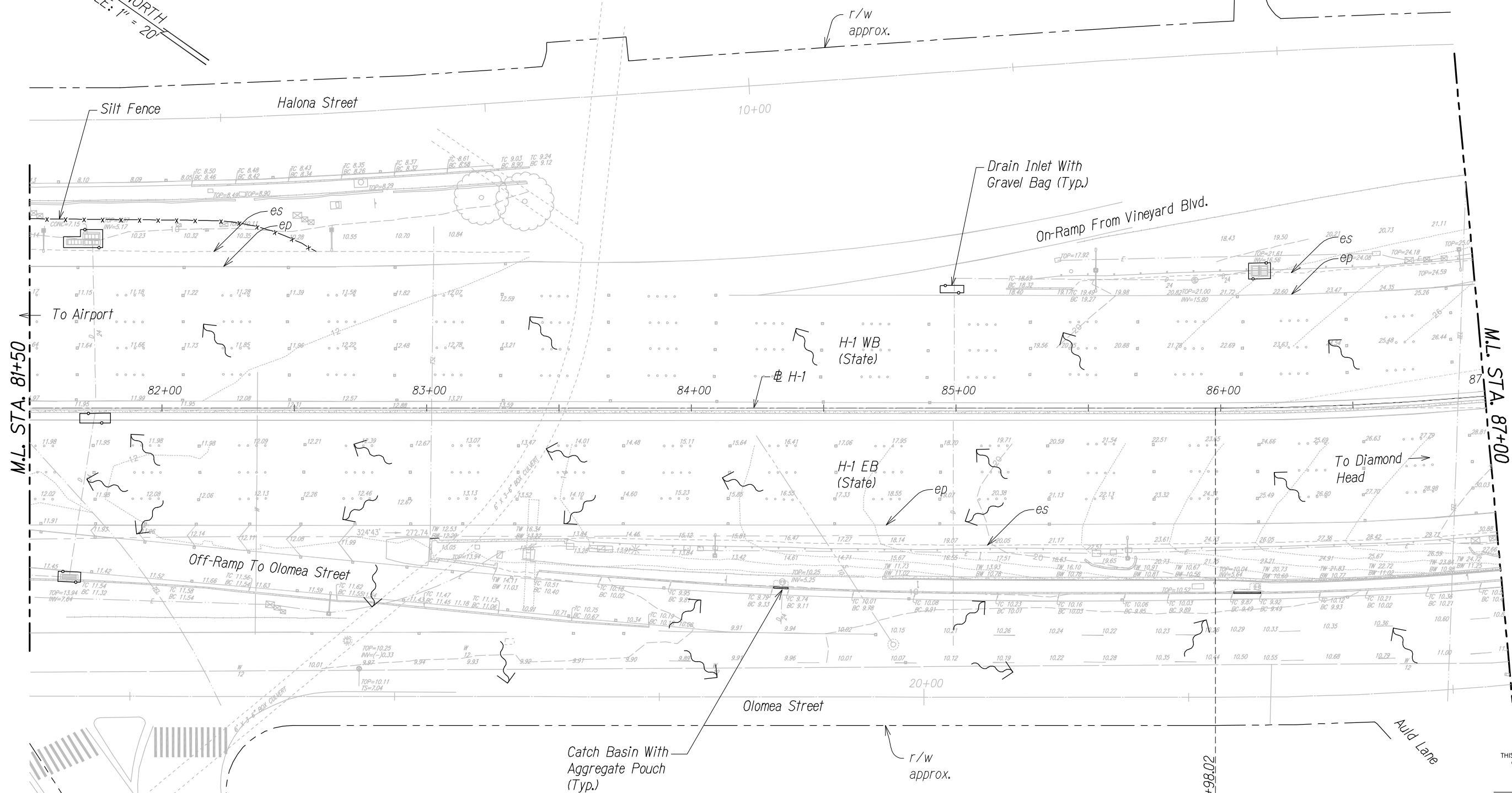
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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. IM-H1-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-7 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	67	293

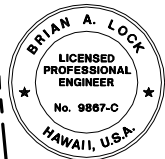
TRUE NORTH
SCALE: 1" = 20'



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

- Legend:
- x-x- Silt Fence
 - o-o- Protect Drainage Basin/Drainage Inlet
 - - - Aggregate Filter Pouch
 - ← Surface Flow Direction
- Kokea Street

STA. 81+50 TO 87+00 (H-1)



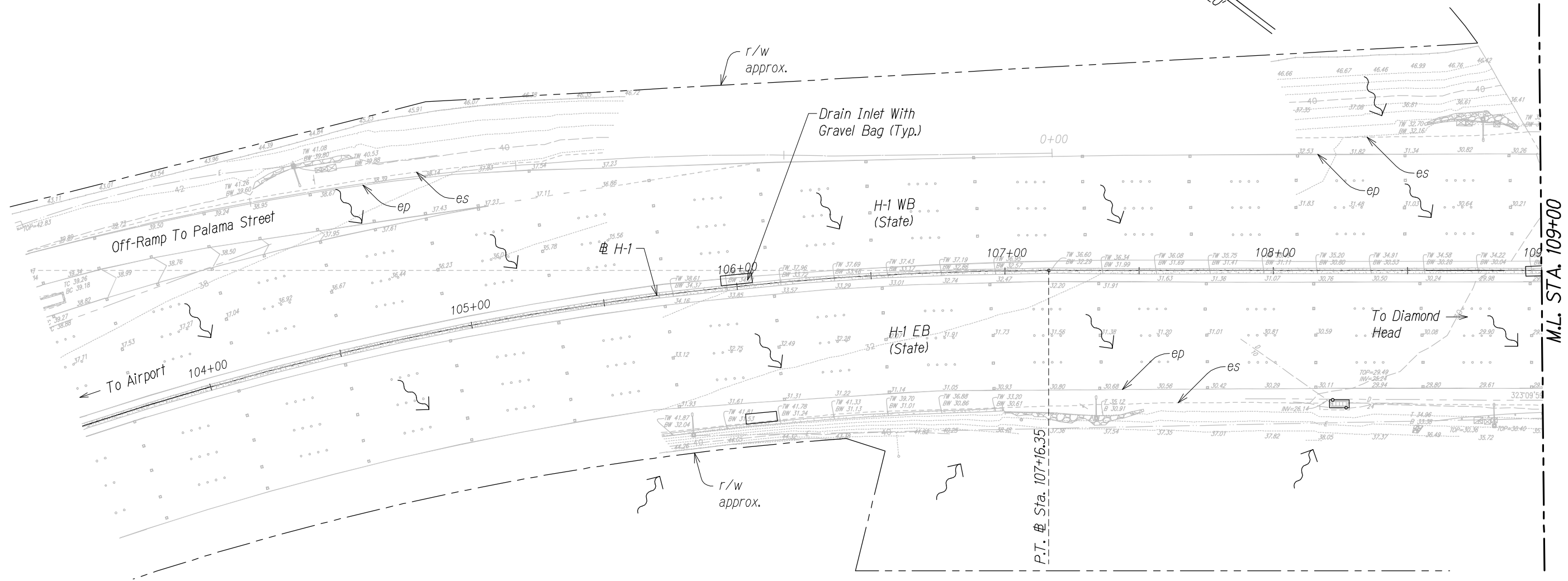
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-8 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	68	293

TRUE NORTH
SCALE: 1" = 20'



STA. 103+50 TO 109+00 (H-1)

Legend:

- x-x- Silt Fence
- o-o- Protect Drainage
- o-o- Basin/Drainage Inlet
- - - Aggregate Filter Pouch
- - - Surface Flow Direction



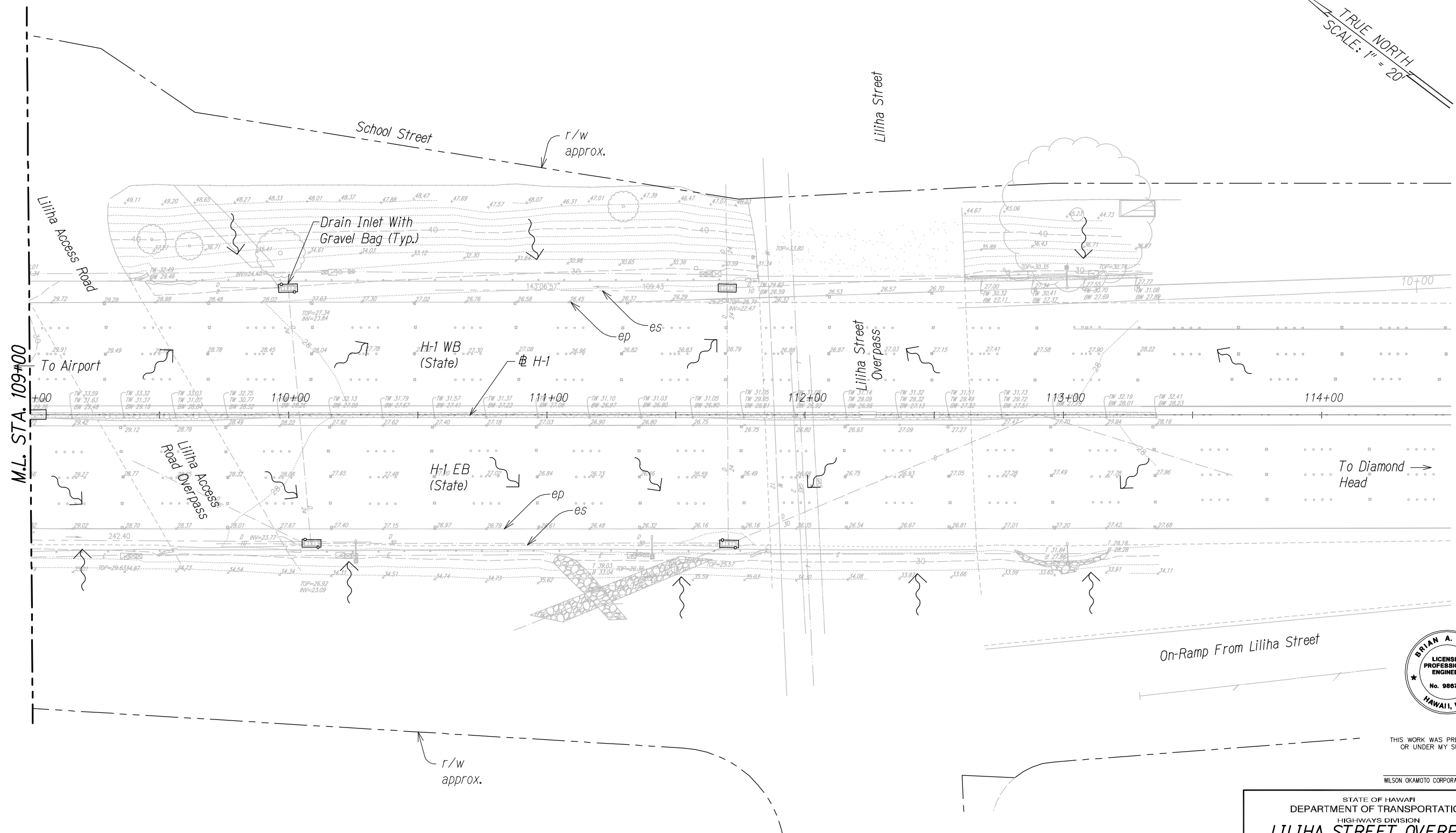
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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. 1M-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-9 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	69	293

TRUE NORTH
SCALE: 1" = 20'



M.L. STA. 109+00

To Airport

Liliha Access Road Overpass

H-1 WB (State)
H-1 EB (State)

Liliha Street Overpass

To Diamond Head

On-Ramp From Liliha Street



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

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. 1M-H1-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-10 OF 18 SHEETS

Legend:

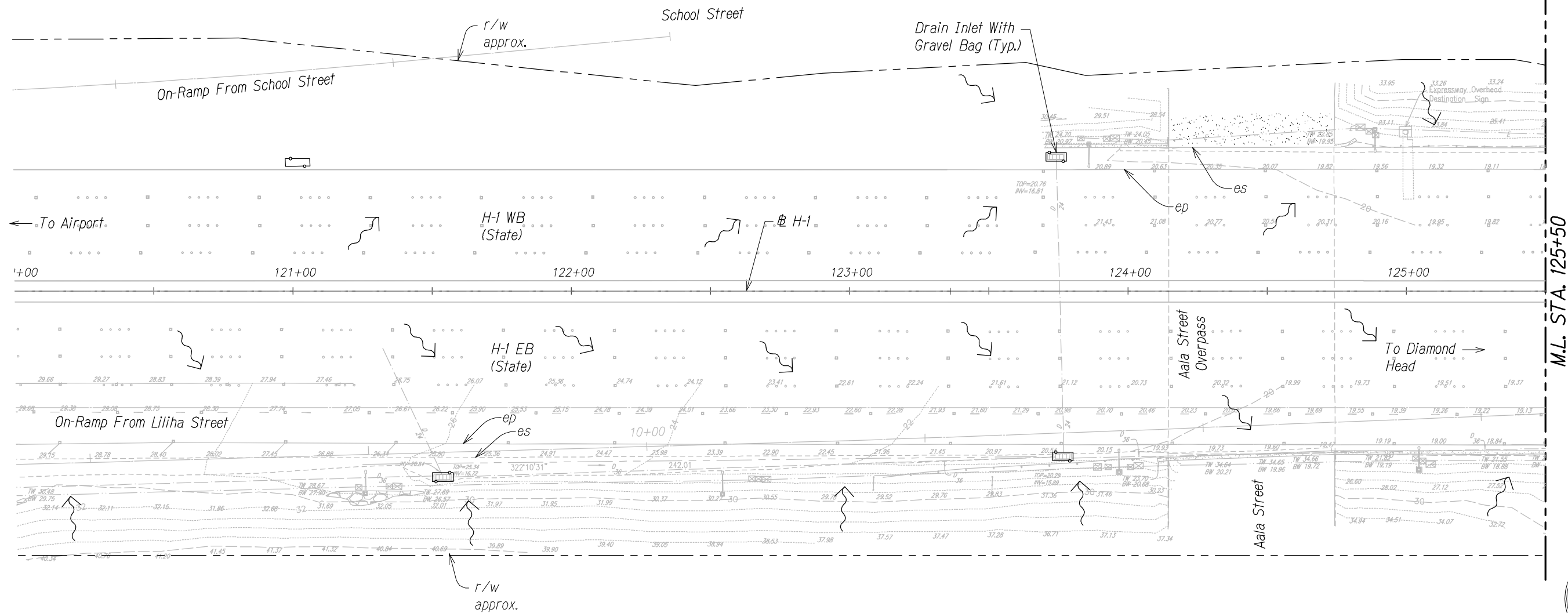
- x-x- Silt Fence
- o-o- Protect Drainage Basin/Drainage Inlet
- - - Aggregate Filter Pouch
- ↖ Surface Flow Direction

STA. 109+00 TO 114+50 (# H-1)

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	70	293

TRUE NORTH
SCALE: 1" = 20'



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

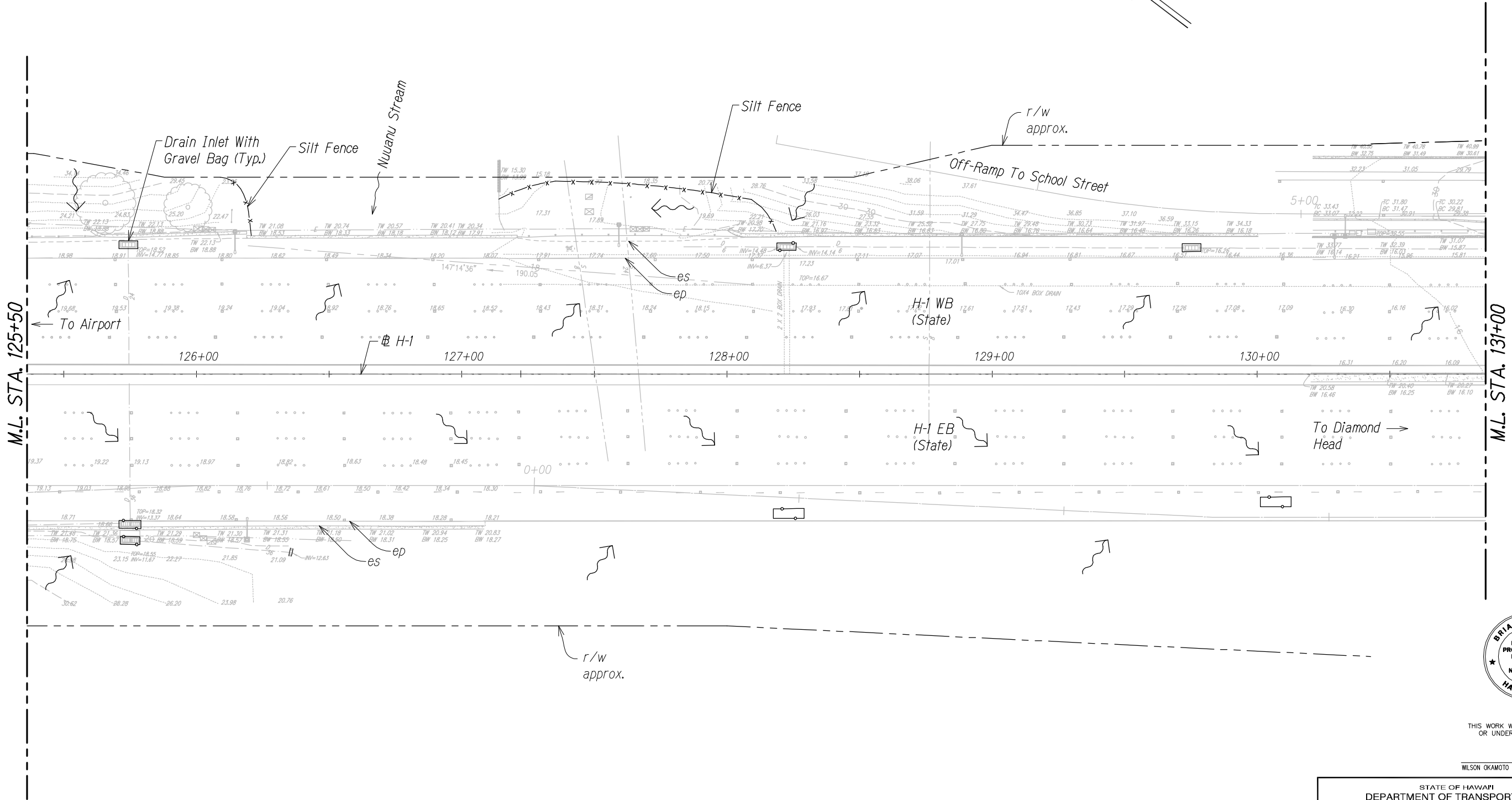
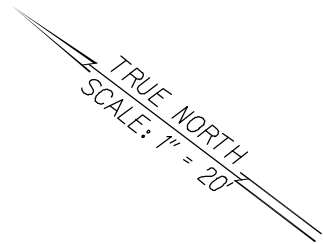
Legend:

- x-x- Silt Fence
- o-o- Protect Drainage Basin/Drainage Inlet
- - - Aggregate Filter Pouch
- ← Surface Flow Direction

STA. 120+00 TO 125+50 (# H-1)

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-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-11 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	71	293



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

Legend:

- x-x- Silt Fence
- o-o- Protect Drainage Basin/Drainage Inlet
- Aggregate Filter Pouch
- Surface Flow Direction

STA. 125+50 TO 131+00 (H-1)

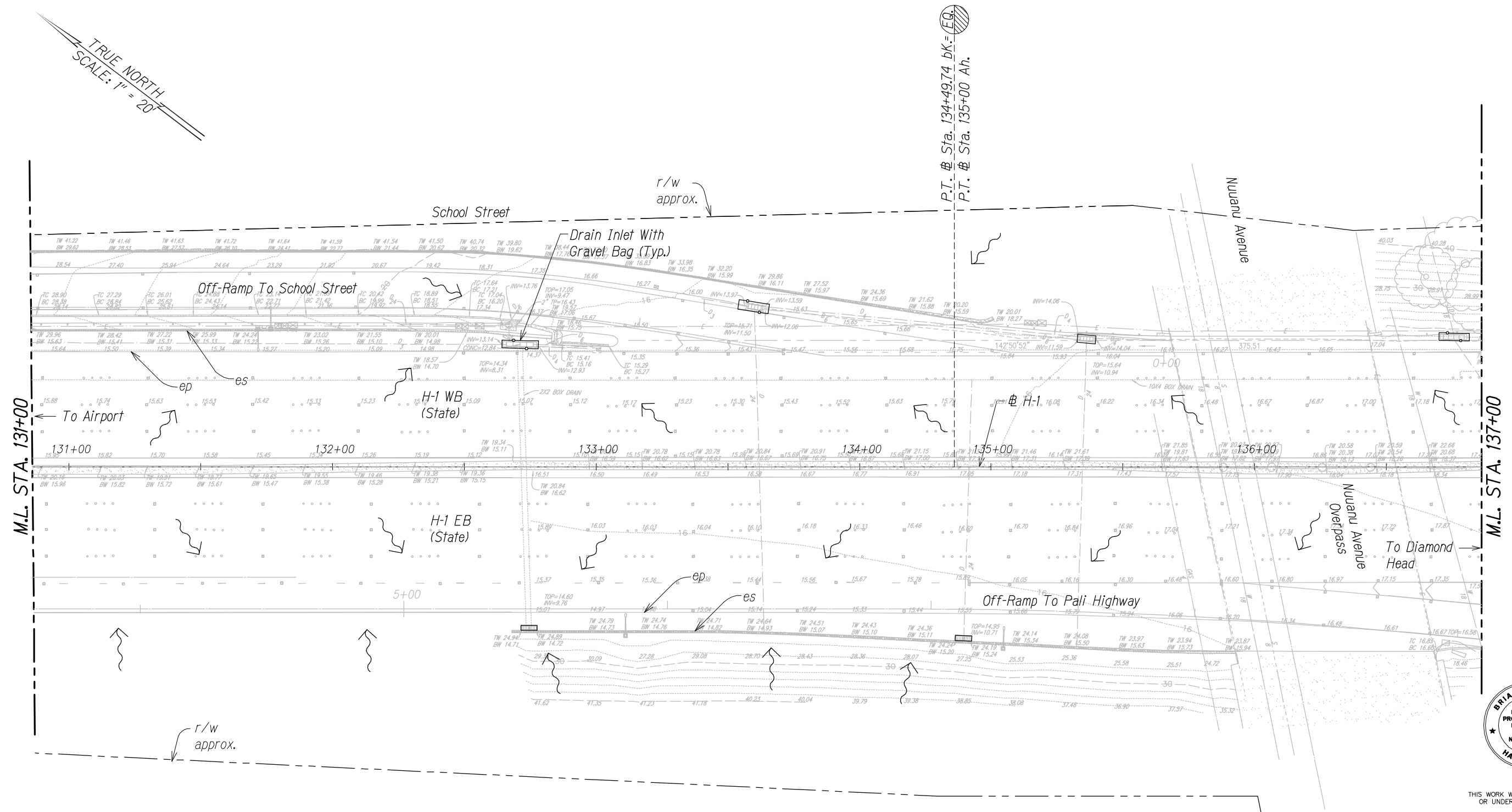


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-12 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	72	293



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

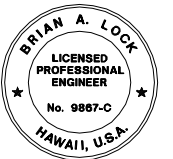
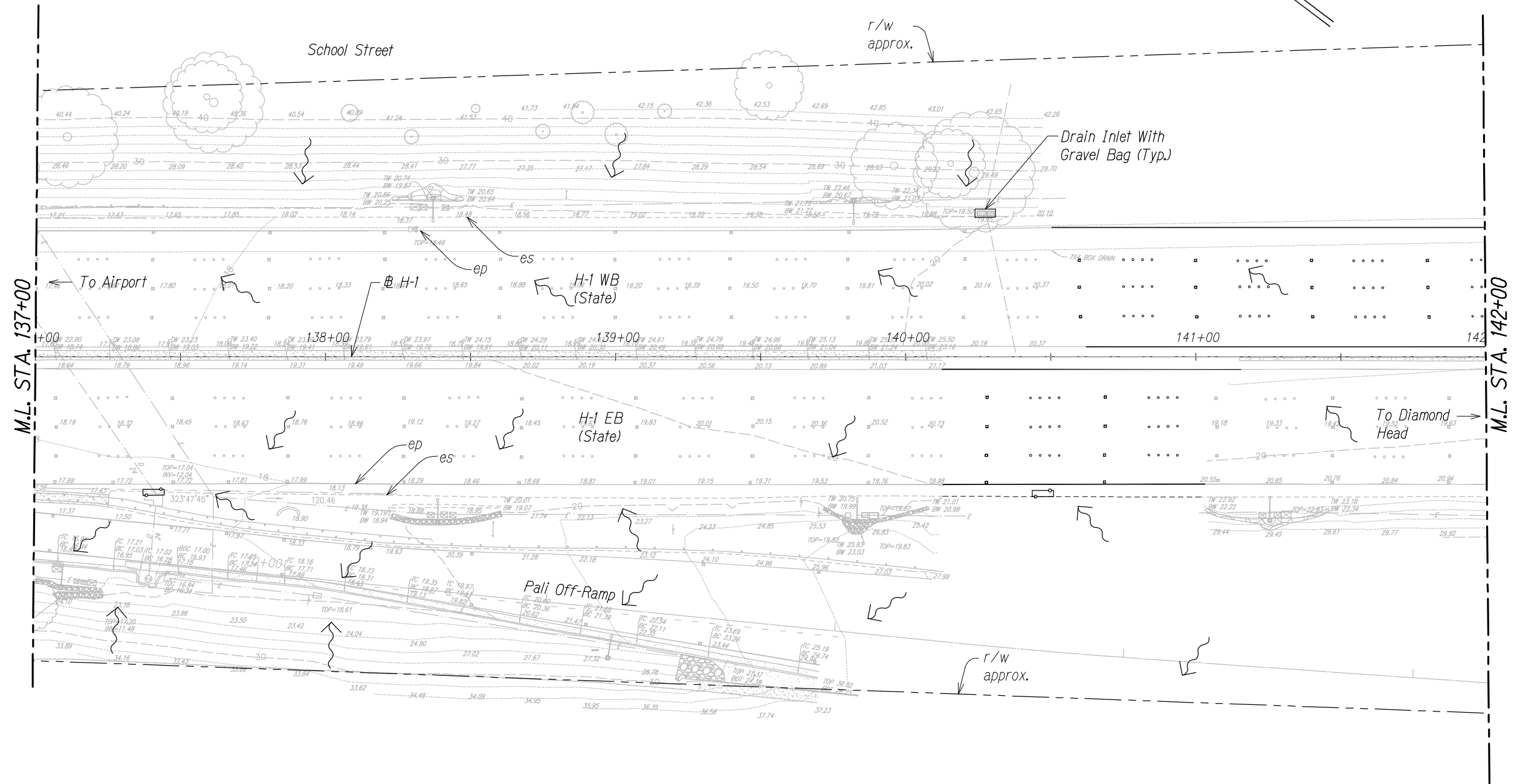
STA. 131+00 TO 137+00 (# H-1)

Legend:

-  Silt Fence
 Protect Drainage Basin/Drainage Inlet
 Aggregate Filter Pouch
 Surface Flow Direction

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-HI-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-13 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-K(242)	2015	73	293



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

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

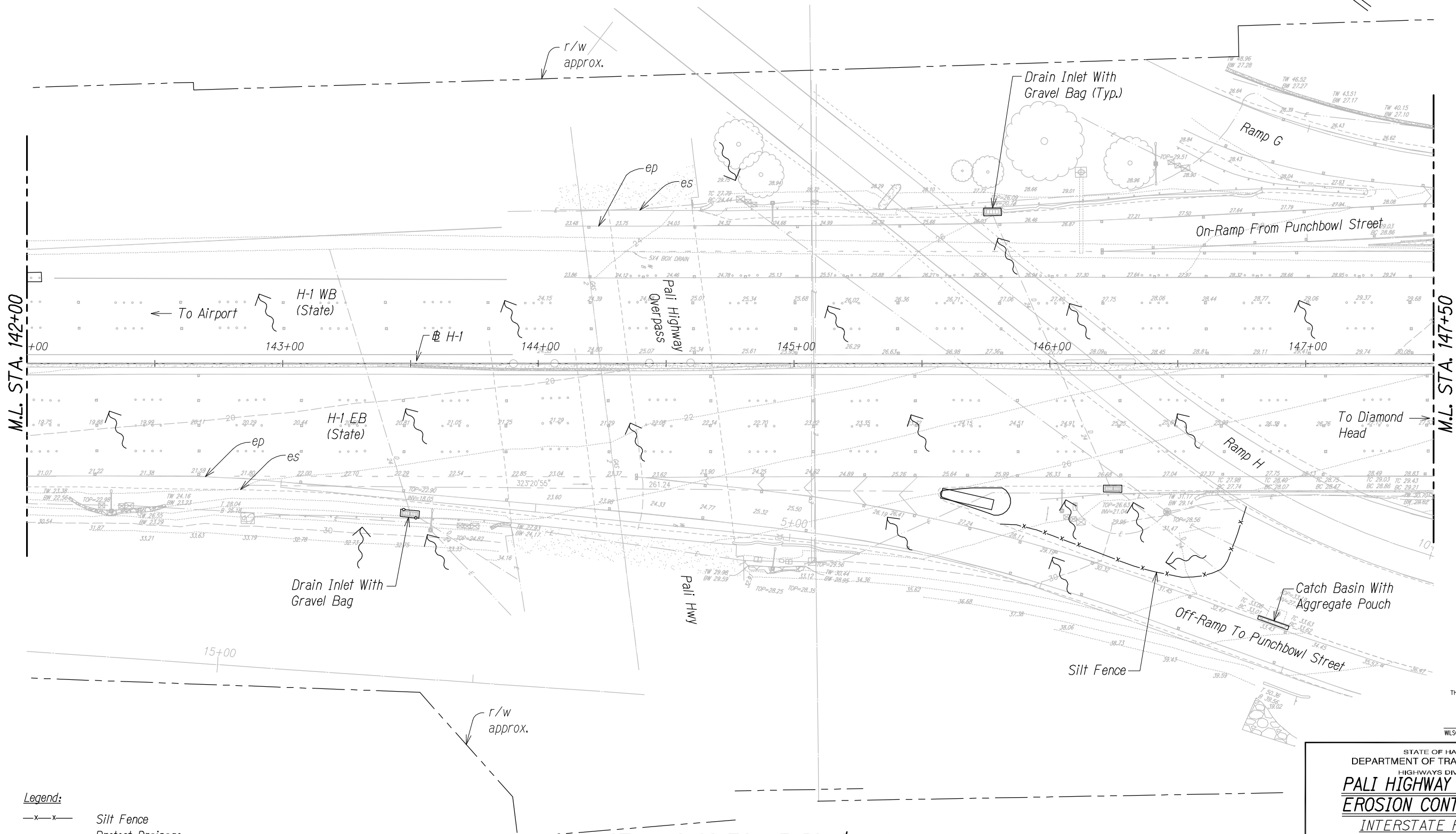
Legend:

- x-x- Silt Fence
- o-o- Protect Drainage
- o-o- Basin/Drainage Inlet
- - - Aggregate Filter Pouch
- Surface Flow Direction

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-K(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-14 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	74	293

TRUE NORTH
SCALE: 1" = 20'

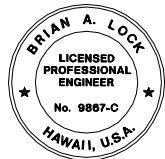


DATE	SURVEY PLOTTED BY
ORIGINAL PLAN	DRAWN BY
NOTE BOOK	TRACED BY
No.	QUANTITIES BY
	CHECKED BY

Legend:

- x-x- Silt Fence
- o-o- Protect Drainage
- o-o- Basin/Drainage Inlet
- o-o- Aggregate Filter Pouch
- ← Surface Flow Direction

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

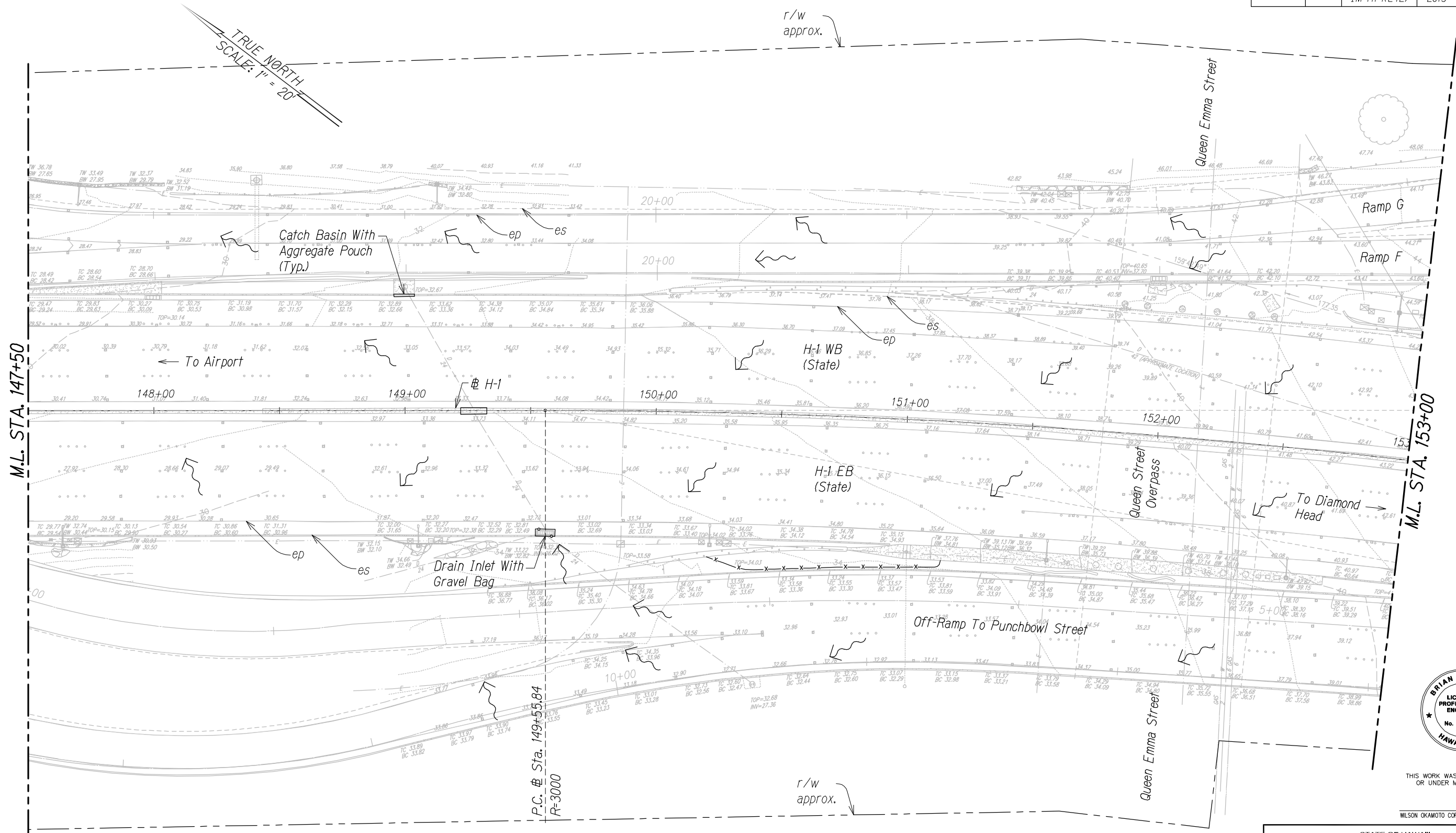


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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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. IM-HI-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-15 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	75	293



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

Legend:

- x-x- Silt Fence
- o-o- Protect Drainage
- Basin/Drainage Inlet
- ▭- Aggregate Filter Pouch
- ← Surface Flow Direction

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



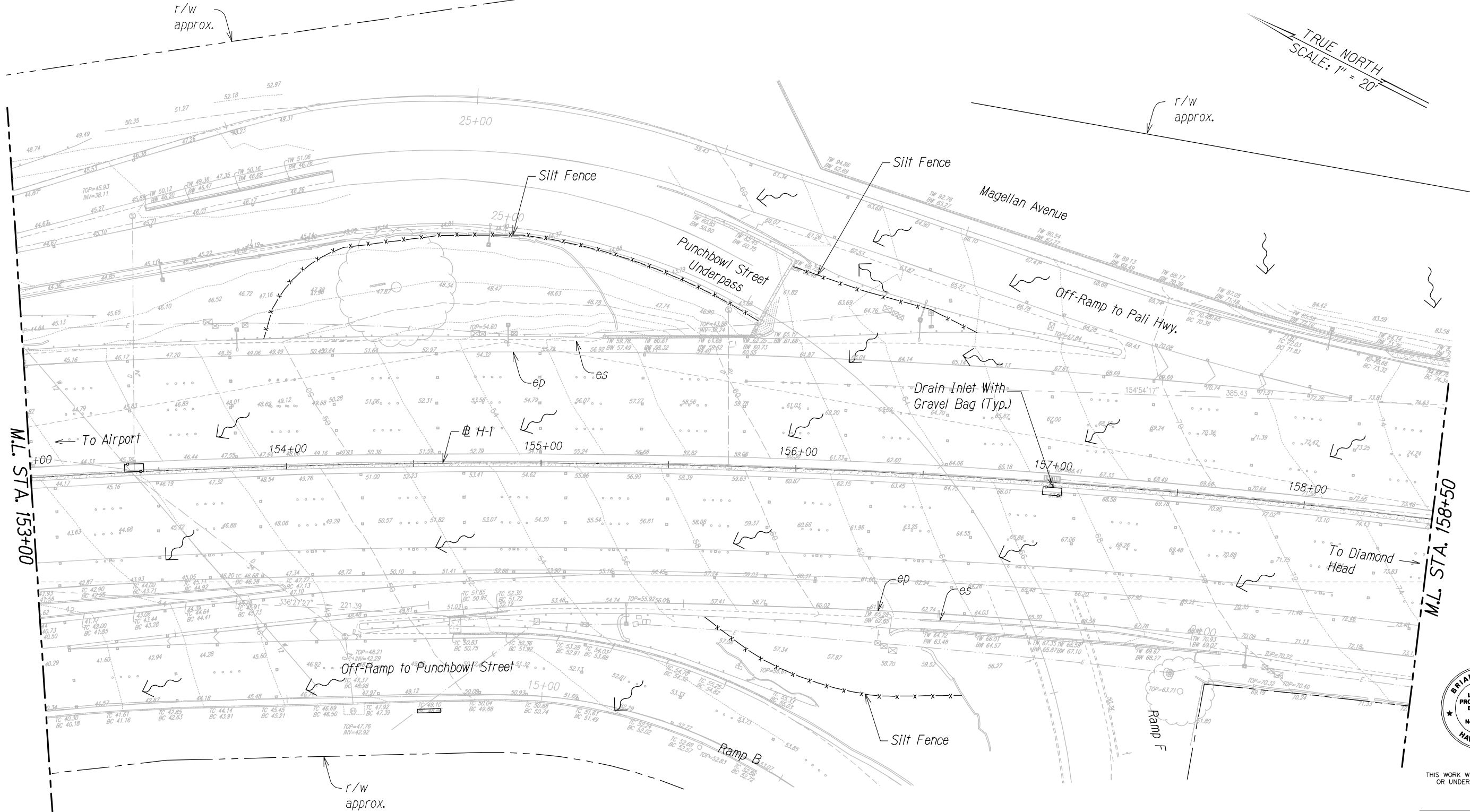
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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. IM-HI-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-16 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2015	76	293

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
No.	



Legend:

- x-x- Silt Fence
- Protect Drainage
- Basin/Drainage Inlet
- Aggregate Filter Pouch
- Surface Flow Direction

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



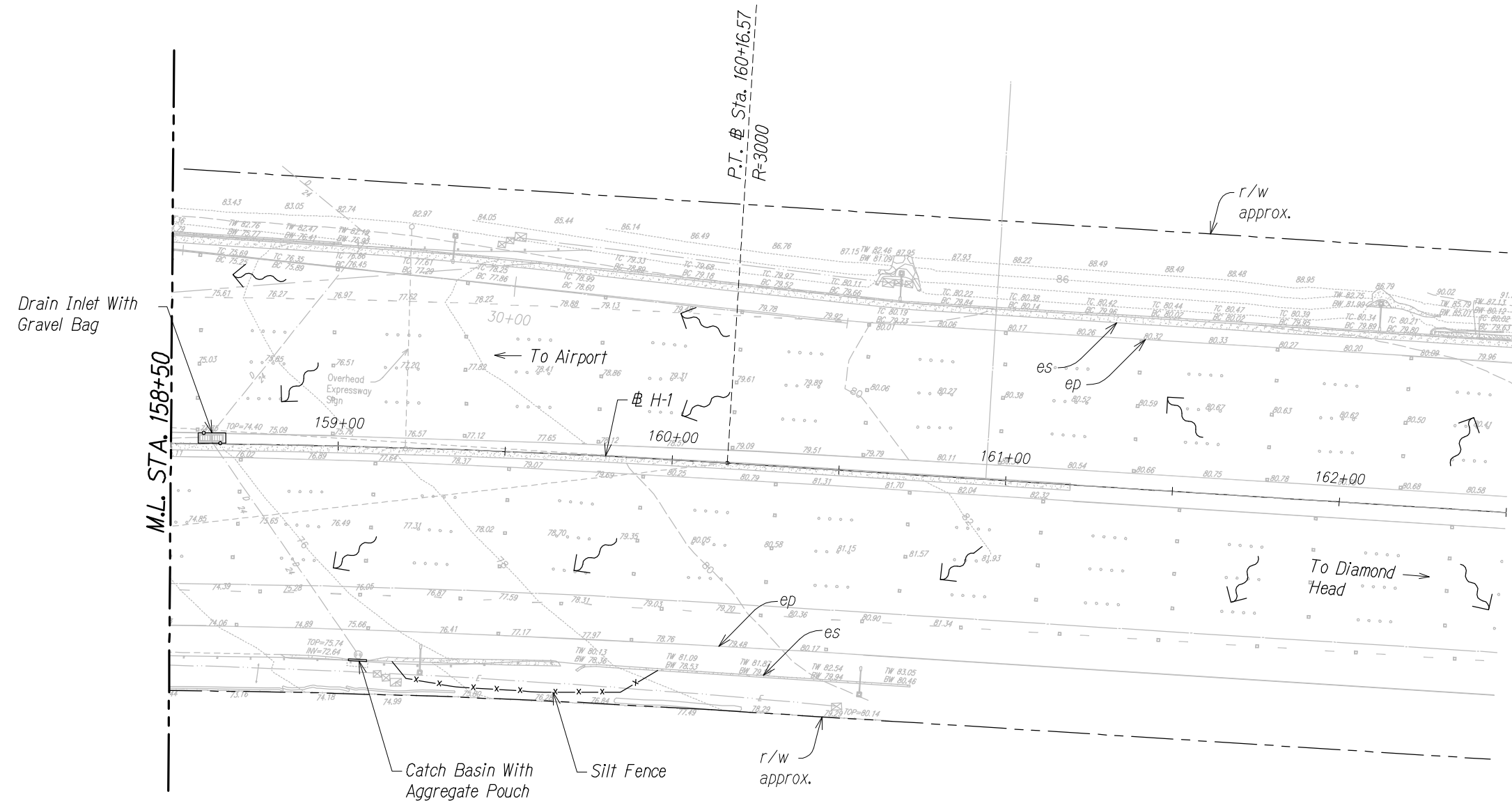
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APRIL 30, 2016
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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-H1-1(242)
Scale: 1" = 20' Date: Feb. 2016
SHEET No. ECP-17 OF 18 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2015	77	293

TRUE NORTH
SCALE: 1" = 20'



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

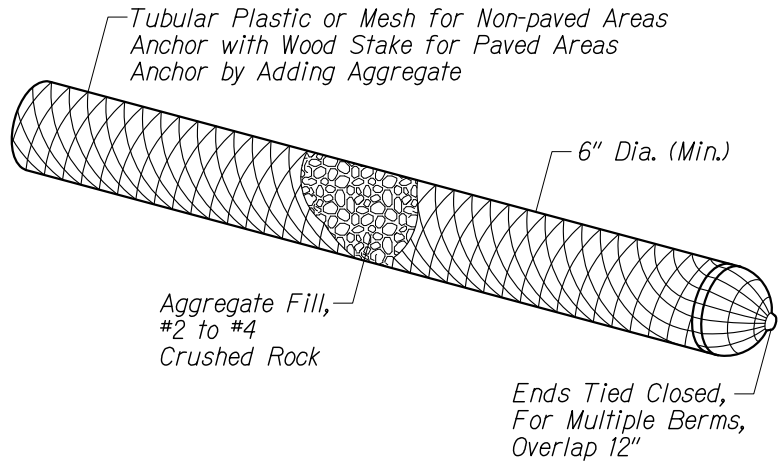
STA. 158+50 TO 162+50 (# H-1)

Legend:

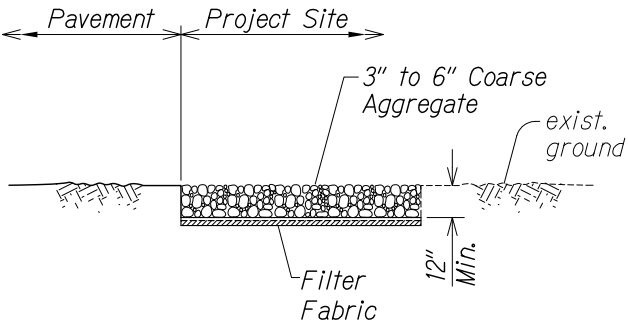
-  Silt Fence
 Protect Drainage Basin/Drainage Inlet
 Aggregate Filter Pouch
 Surface Flow Direction

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: Feb. 2016
SHEET No. *ECP-18* OF 18 SHEETS

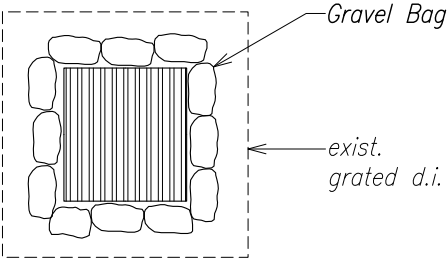
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2015	98	293



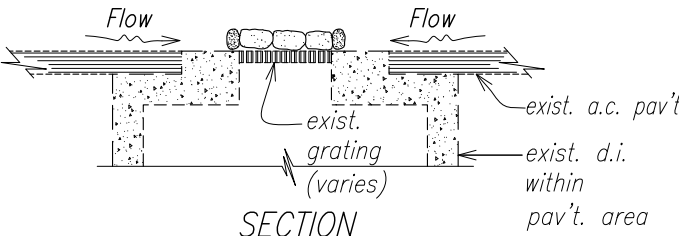
AGGREGATE FILTER POUCH
Not to Scale



TEMPORARY STABILIZED CONSTRUCTION INGRESS/EGRESS
Not to Scale

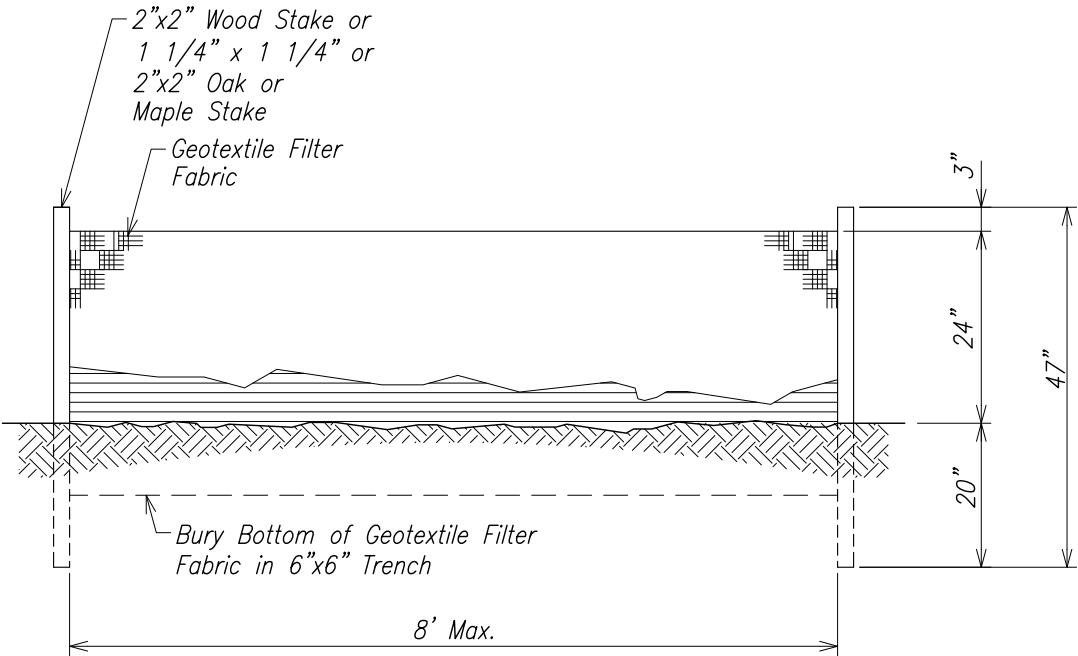


PLAN VIEW

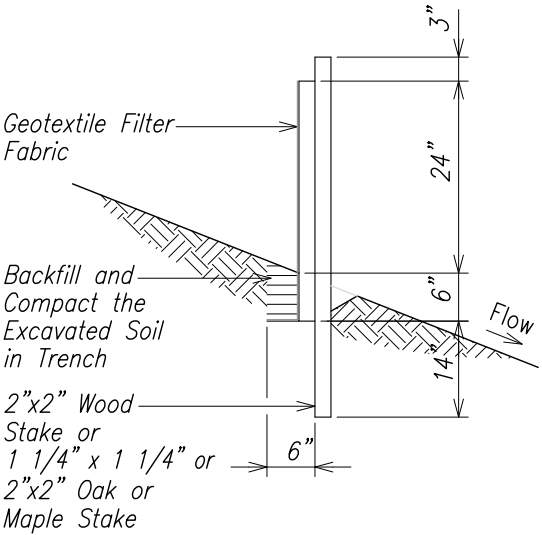


SECTION

SAND OR GRAVEL BAGS AT GRATED DRAIN INLET
Not to Scale



SILT FENCE DETAIL
Not to Scale



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL DETAILS

INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-H1-1(242)
Scale: As Shown Date: Feb. 2016
SHEET No. ECD-1 OF 1 SHEETS

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