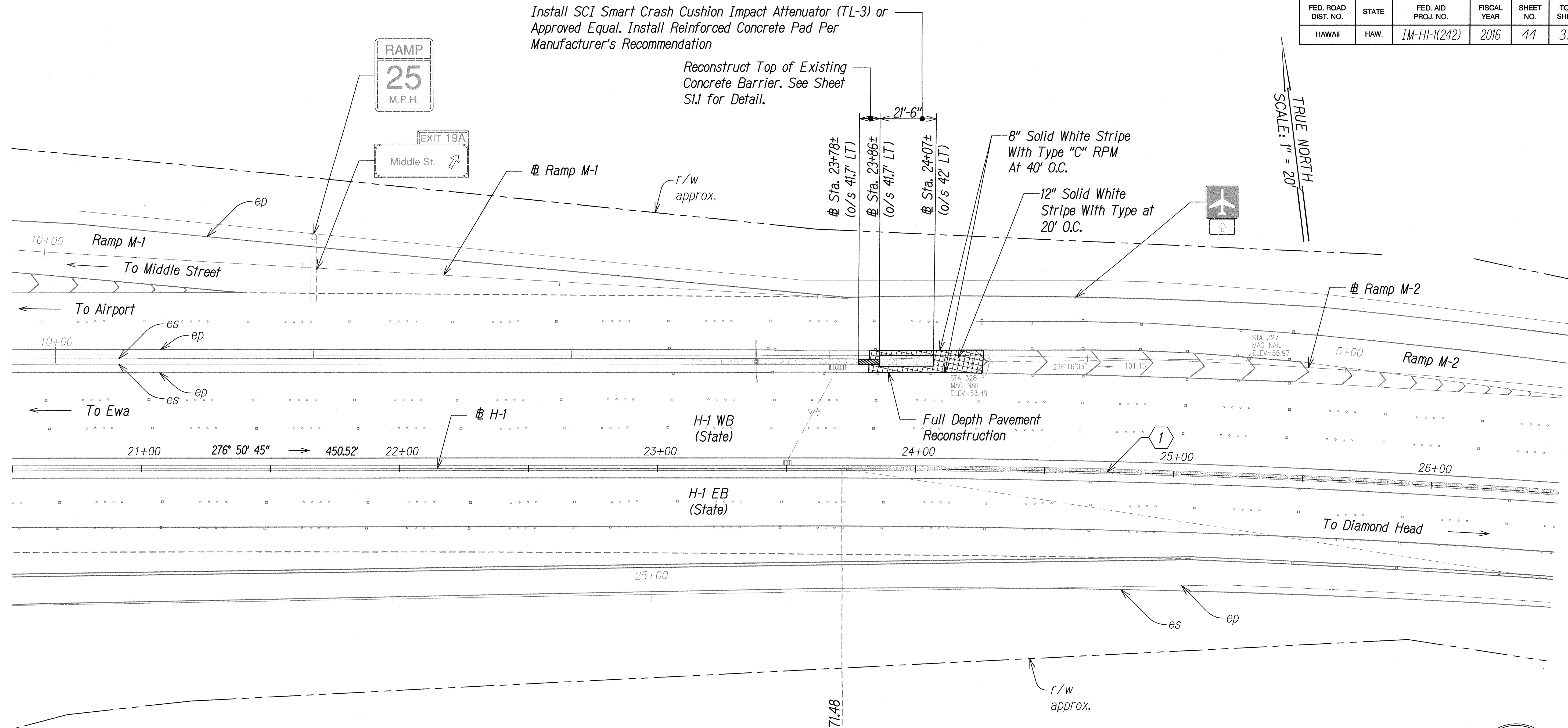


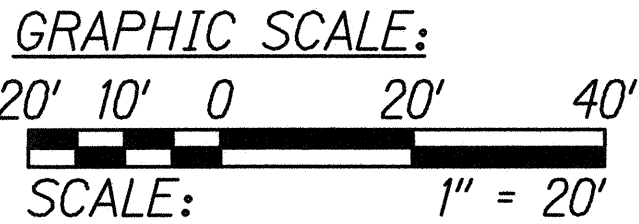
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	44	354



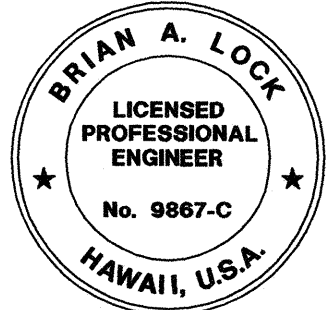
Note:
 1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

Legend:
 Full Depth Pavement Reconstruction

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



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

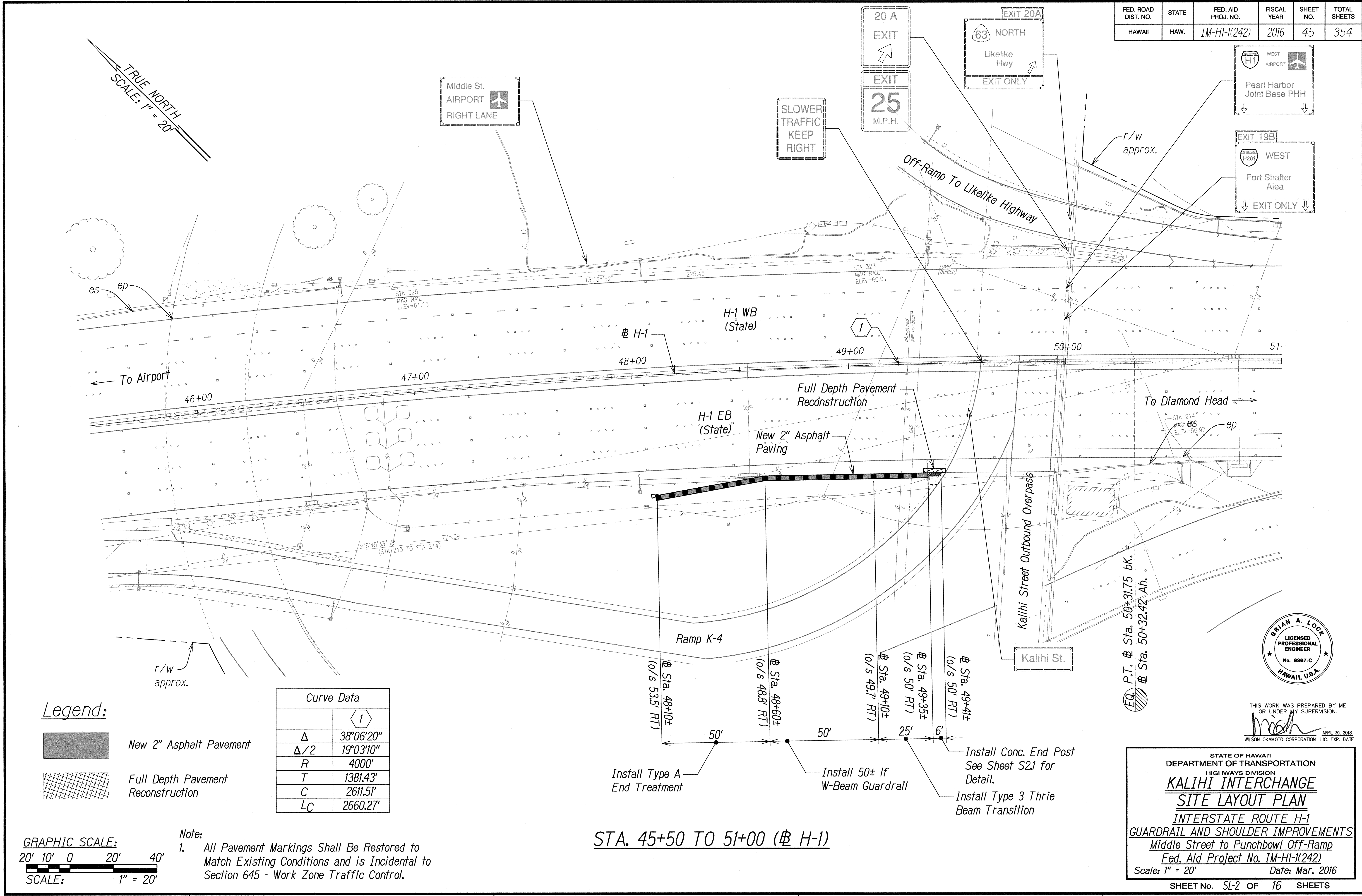


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ma
 WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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: Mar. 2016
 SHEET No. SL-1 OF 16 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES 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.	IM-HI-1(242)	2016	45	354



Legend:

- New 2" Asphalt Paving
- Full Depth Pavement Reconstruction

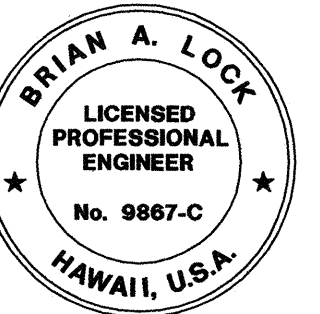
Curve Data	
Δ	38°06'20"
$\Delta/2$	19°03'10"
R	4000'
T	1381.43'
C	2611.51'
LC	2660.27'

GRAPHIC SCALE:

 SCALE: 1" = 20'

Note:
 1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

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

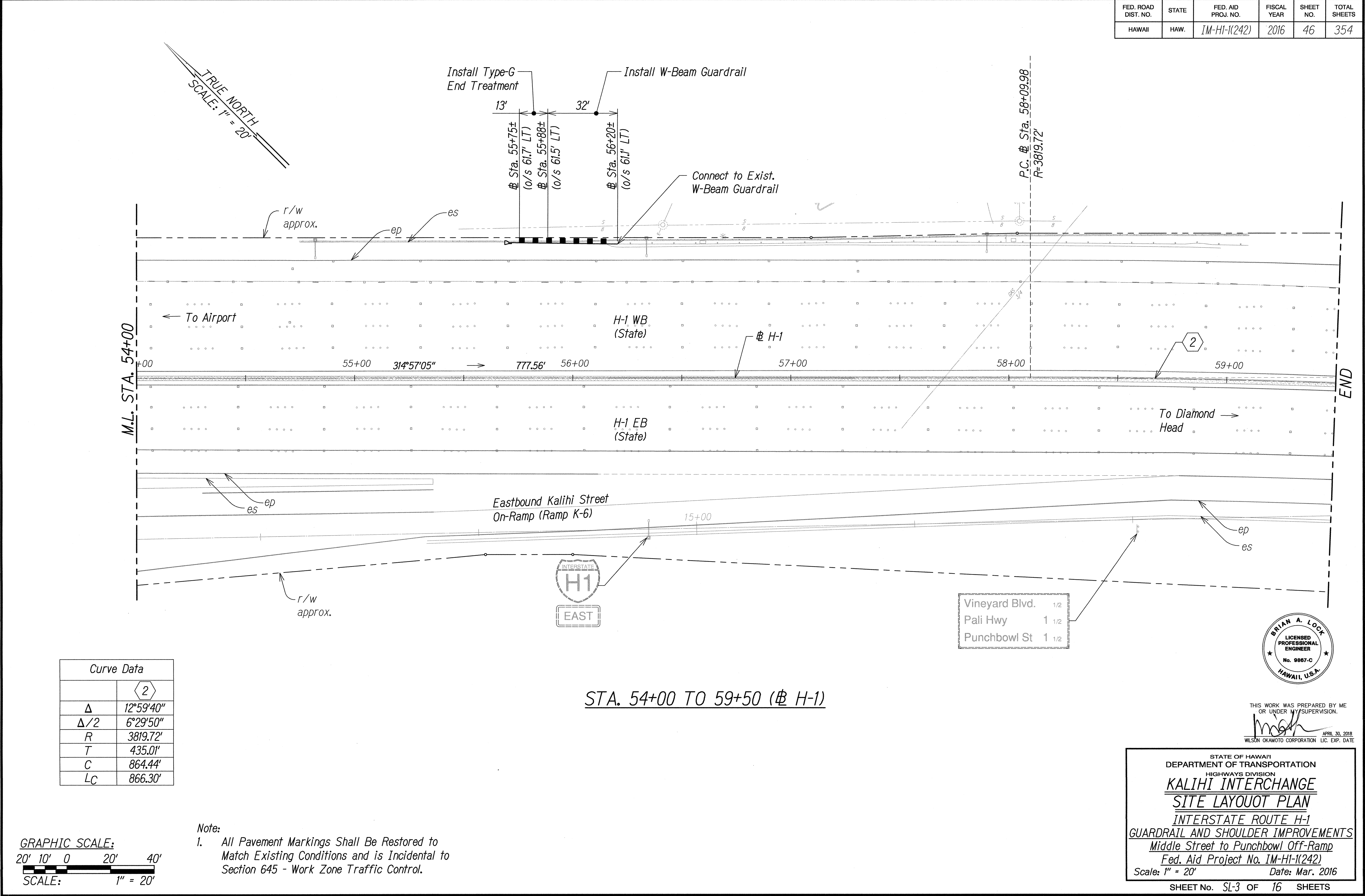


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

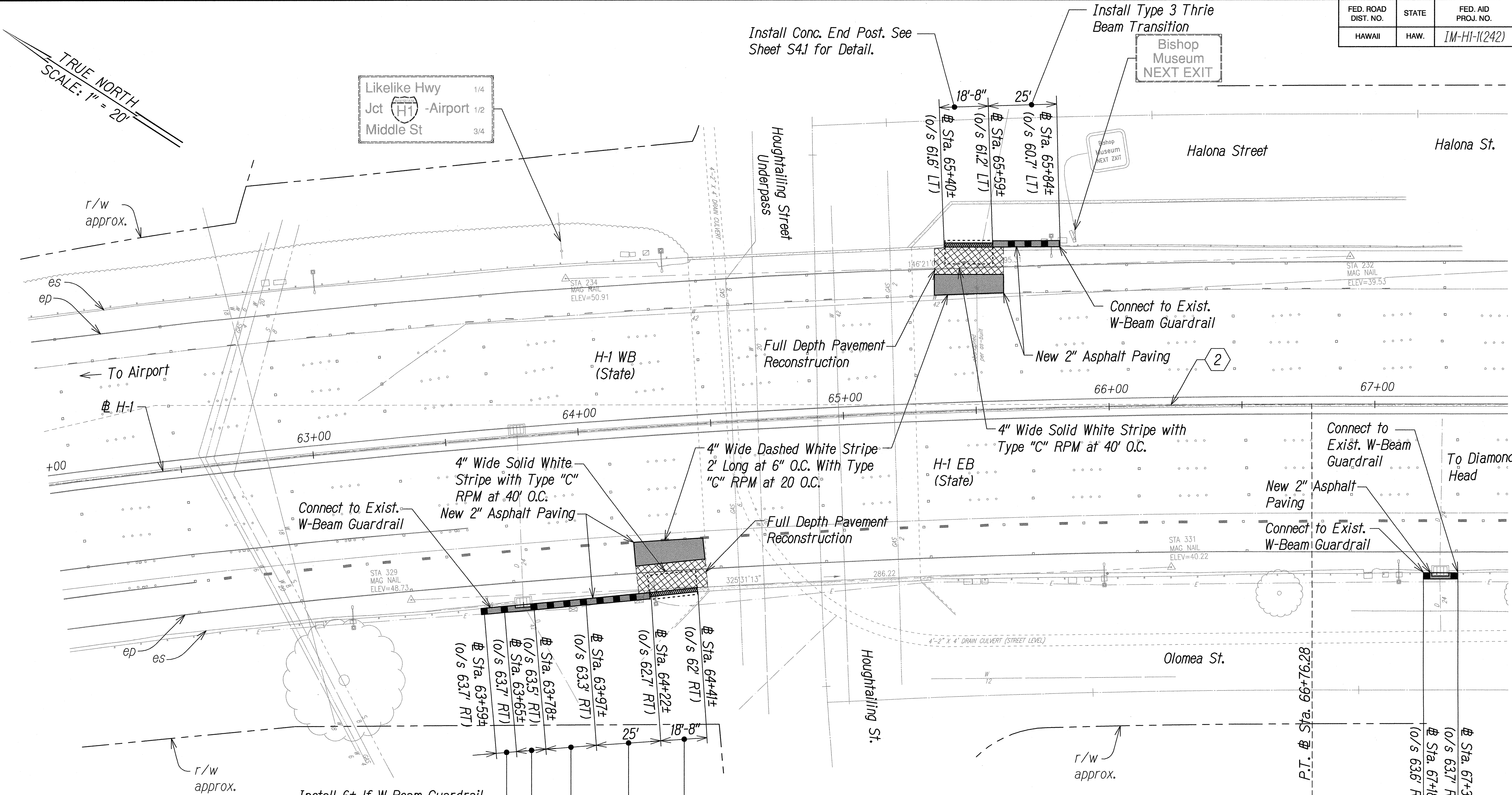
 APRIL 30, 2016
 WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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. IM-HI-1(242)
 Scale: 1" = 20' Date: Mar. 2016
 SHEET No. SL-2 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	46	354



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	47	354



Legend:

New 2" Asphalt Paving

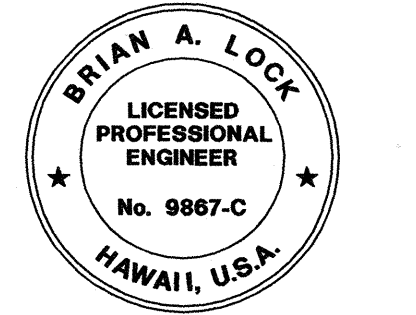
Full Depth Pavement Reconstruction

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

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

Note:

1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.



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Wilson Okamoto
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

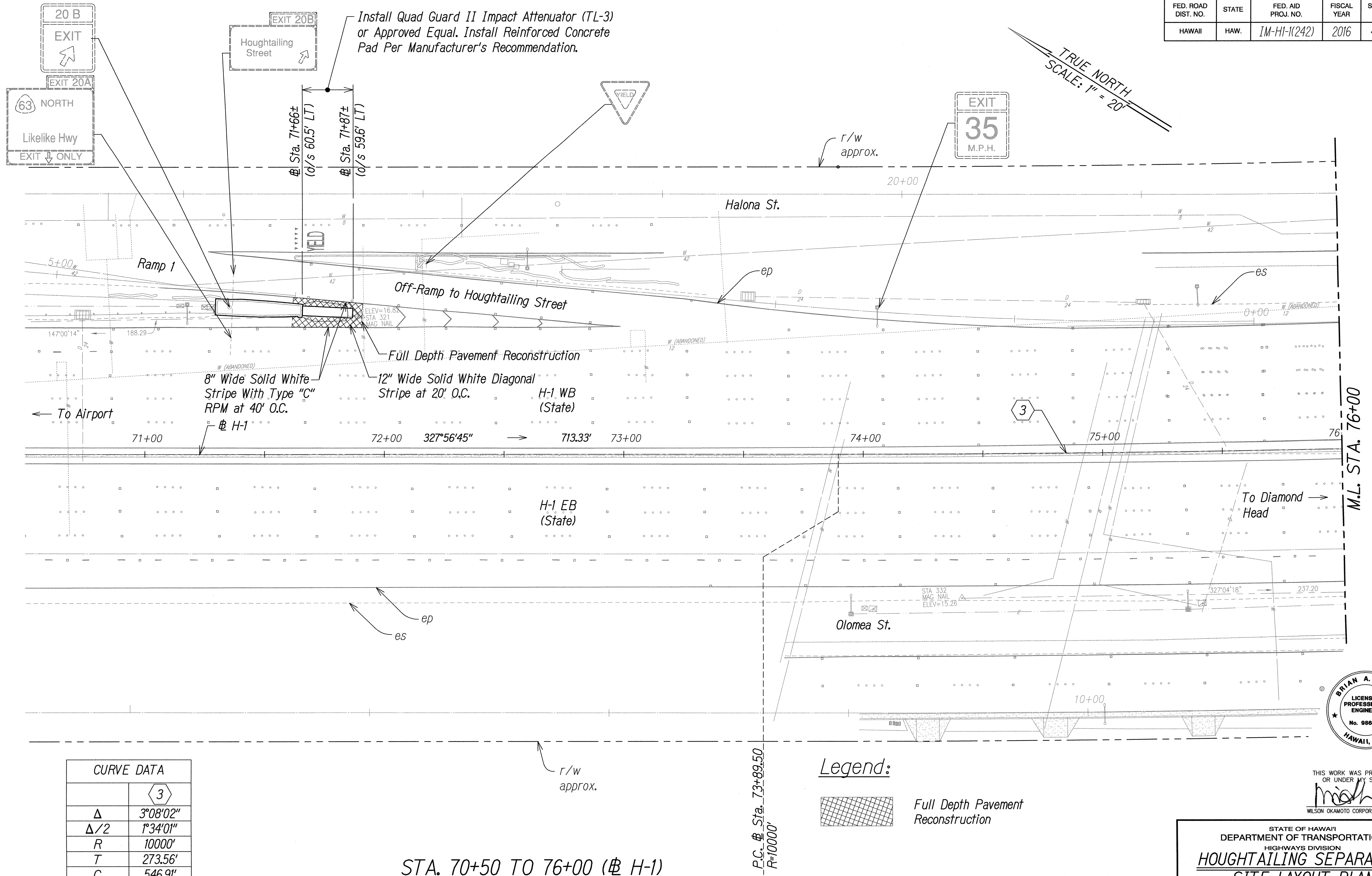
**HOUGHTAILING SEPARATION
SITE LAYOUT PLAN**

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

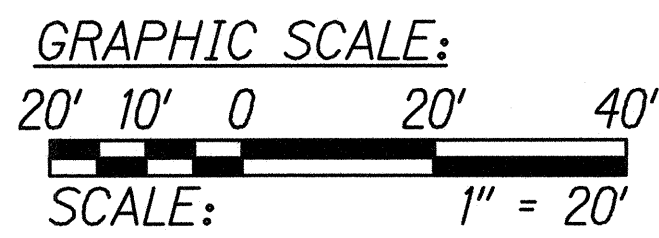
Scale: 1" = 20' Date: Mar. 2016

SHEET No. SL-4 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	48	354



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



- Note:
- All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

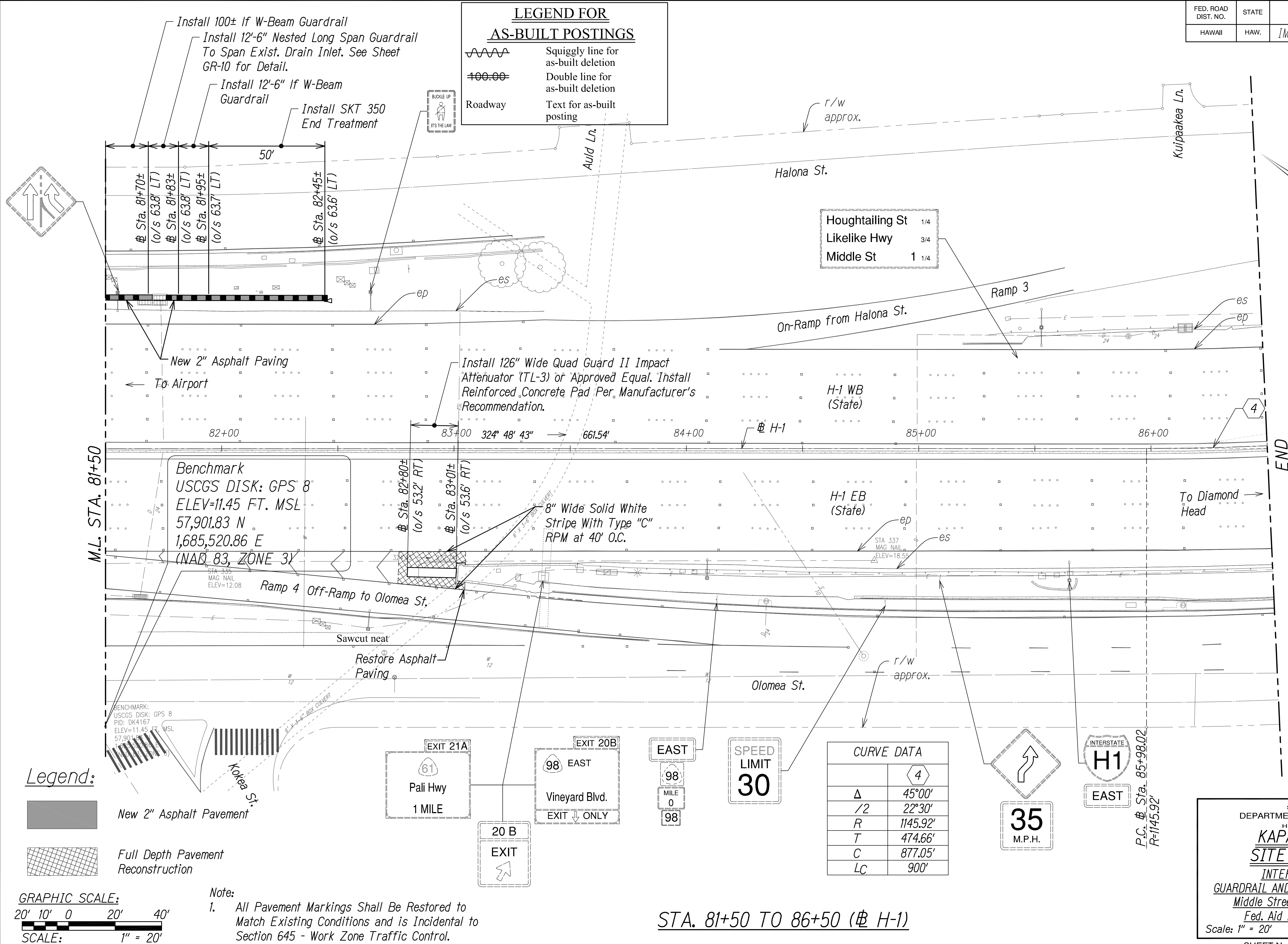
**HOUGHTAILING SEPARATION
 SITE LAYOUT PLAN**

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: Mar. 2016

SHEET No. SL-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	50	354



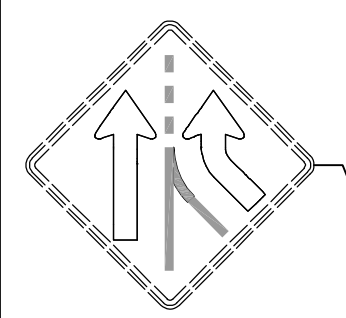
LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting

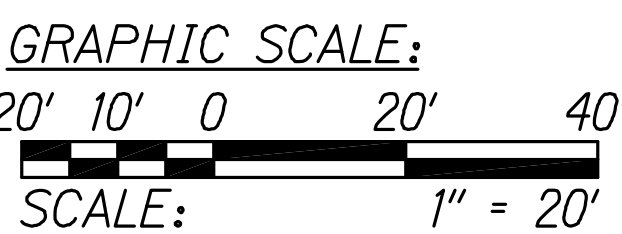


Houghtailing St	1/4
Likelike Hwy	3/4
Middle St	1 1/4

Legend:

New 2" Asphalt Pavement

Full Depth Pavement Reconstruction



Note:

1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

CURVE DATA	
	4
Δ	45°00'
$\angle/2$	22°30'
R	1145.92'
T	474.66'
C	877.05'
LC	900'

35
M.P.H.

INTERSTATE
H1
EAST

EXIT 21A

Pali Hwy
1 MILE

EXIT 20B

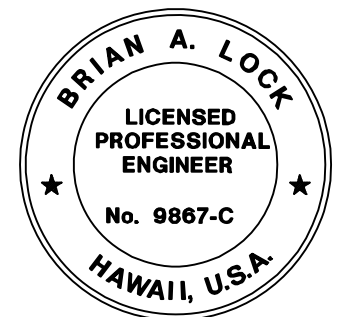
Vineyard Blvd.
EXIT ONLY

EAST

MILE 0
98

SPEED LIMIT 30

20 B
EXIT



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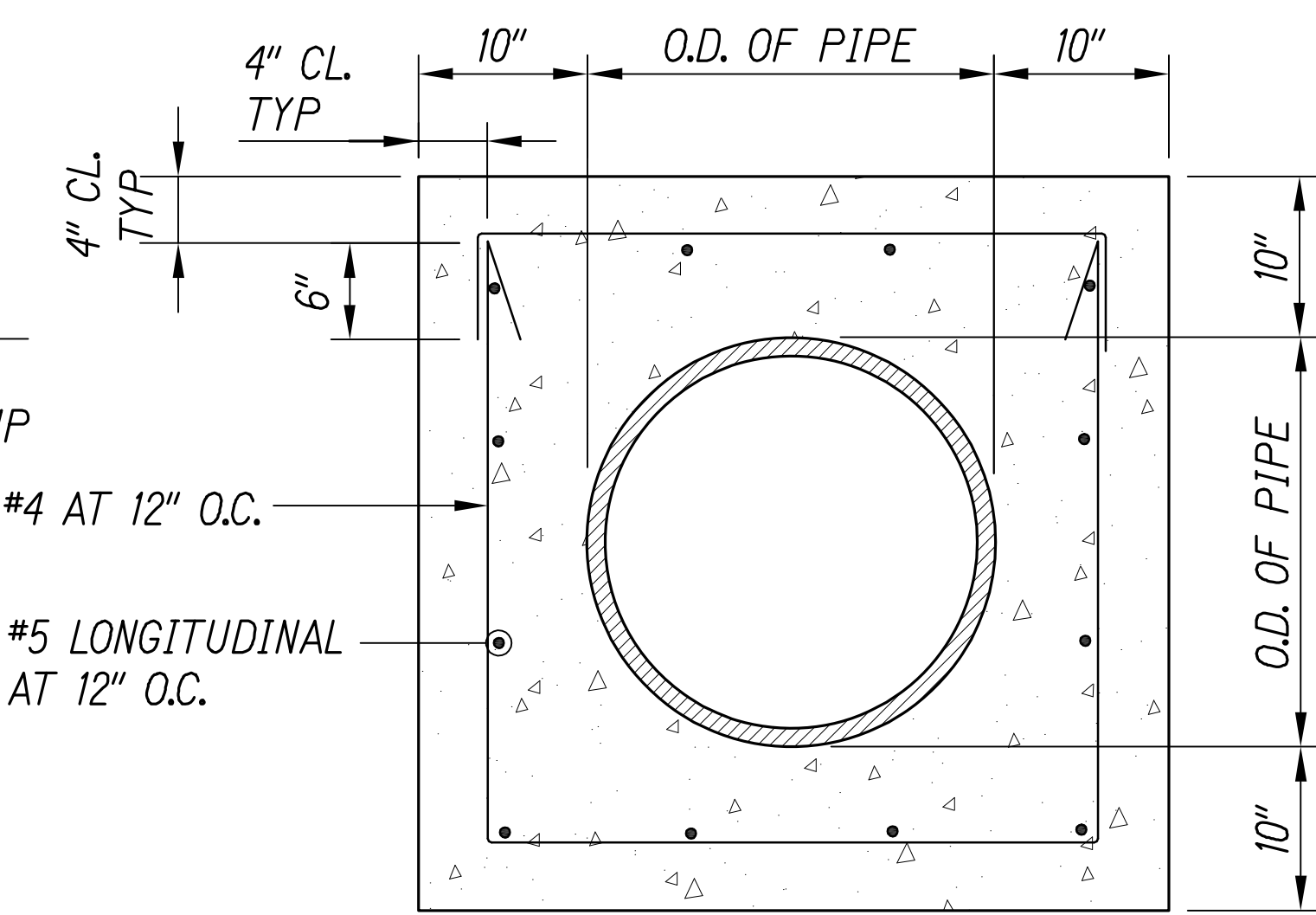
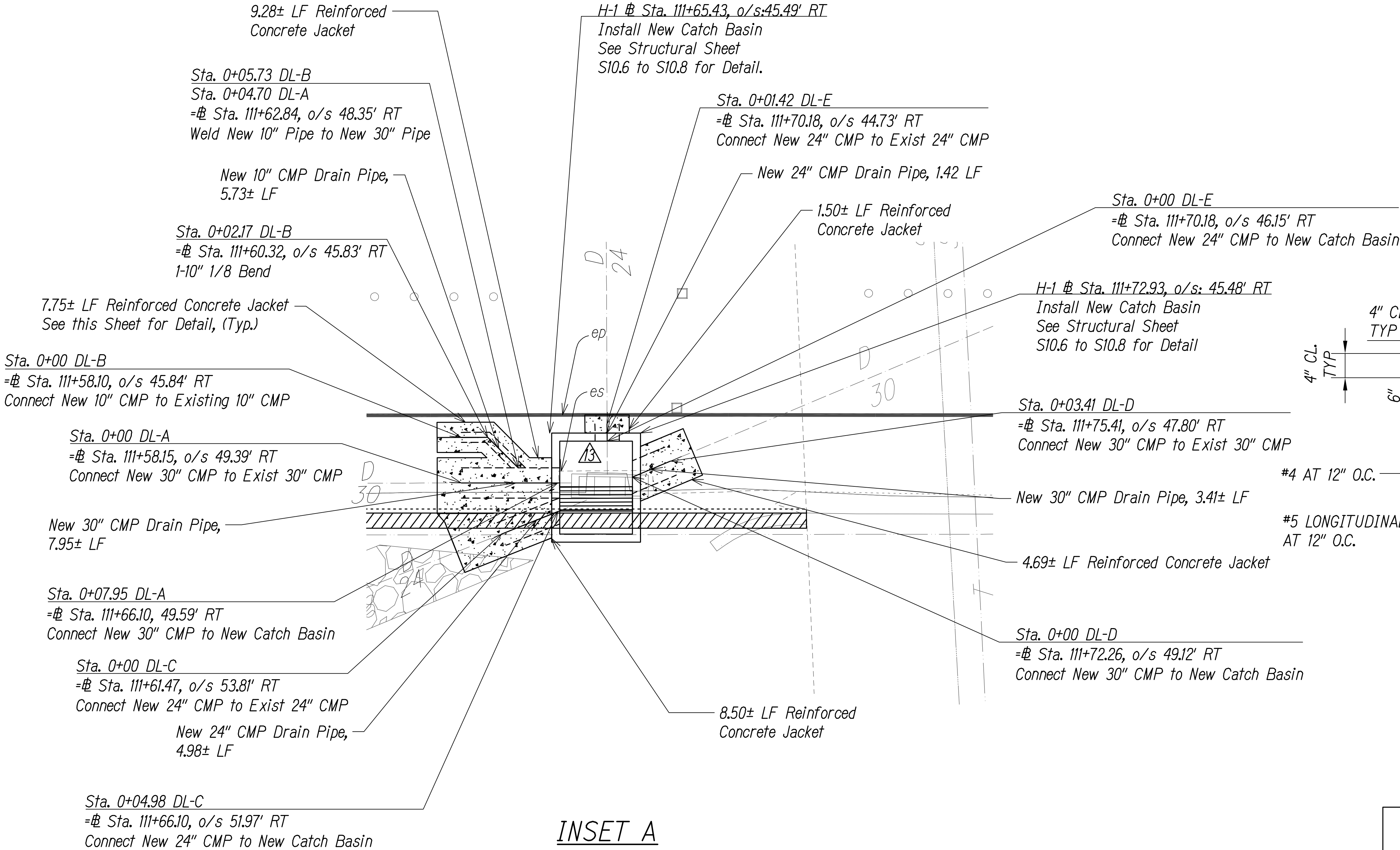
APRIL 30, 2020
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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. 1M-H1-1(242)
Scale: 1" = 20' Date: Mar. 2016
SHEET No. SL-7 OF 16 SHEETS

STA. 81+50 TO 86+50 (# H-1)

"AS-BUILT"

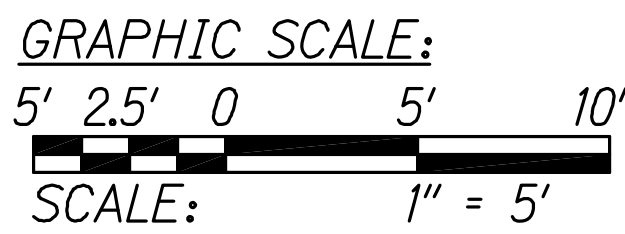
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	C.O. 51 S-1A	354



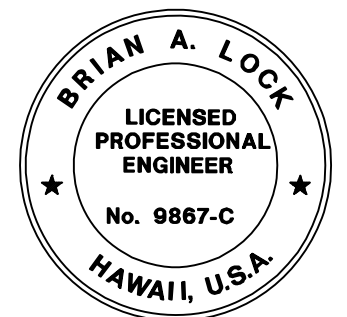
REINFORCED CONCRETE JACKET DETAIL
Not to Scale

INSET A

- NOTE:**
- See Sheet SL-8B for Utility Profiles and sheet GP-5A for Inverts of Drain Pipes.
 - Contractor to Verify Inverts and Pipe Connections in Field Prior to Structure Fabrication.



LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting



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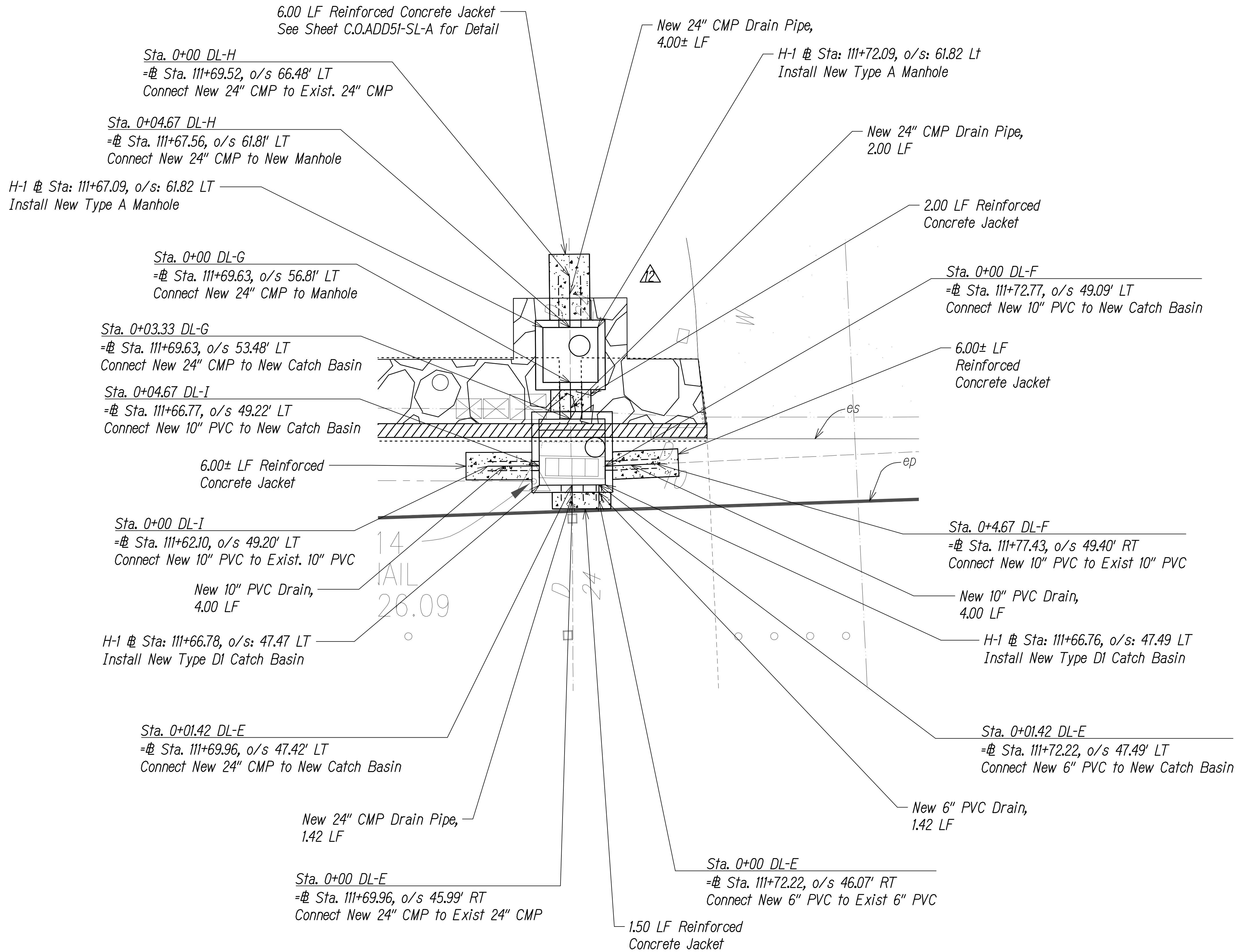
WILSON OKAMOTO CORPORATION LIC. EXP. DATE APRIL 30, 2020

DATE	REVISION
06/07/19	REVISED CATCH BASIN
2/28/18	NEW CATCH BASIN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LILIHA STREET OVERPASS
CATCH BASIN INSET
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: 1" = 5' Date: Mar. 2016

SHEET No. SL-8A 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	C.O. 51 S-1 B	354



INSET B

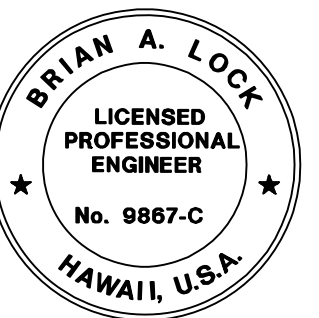
GRAPHIC SCALE:
5' 2.5' 0 5' 10'
SCALE: 1" = 5'

LEGEND FOR
AS-BUILT POSTINGS

Squiggly line for
as-built deletion

Double line for
as-built deletion

Roadway Text for as-built
posting



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APRIL 30, 2020
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LILIHA STREET OVERPASS
CATCH BASIN INSET
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. SL-80F 16 SHEETS

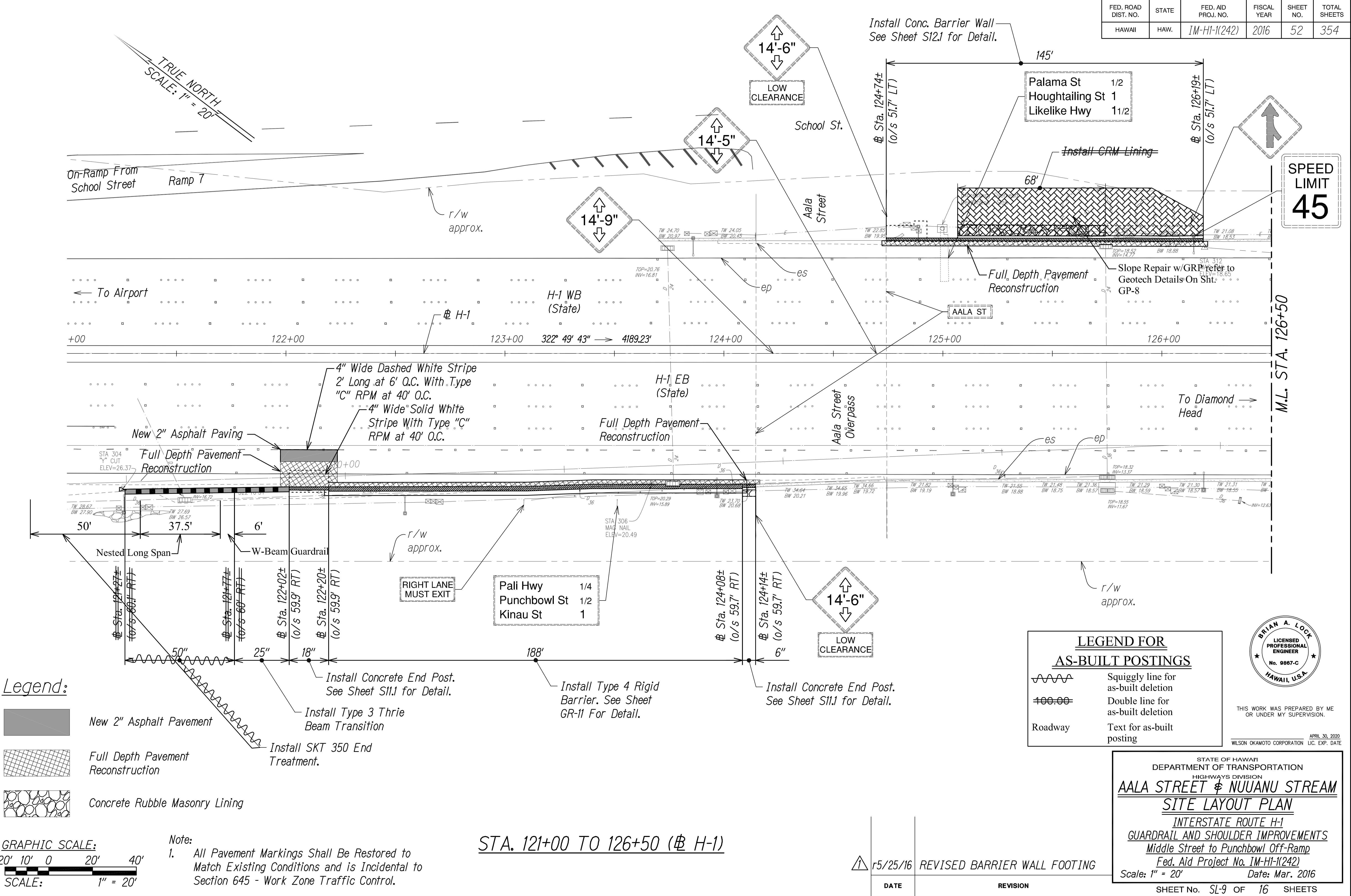
06/05/19	REVISED STORM MH AND CB
DATE	REVISION

"AS-BUILT"

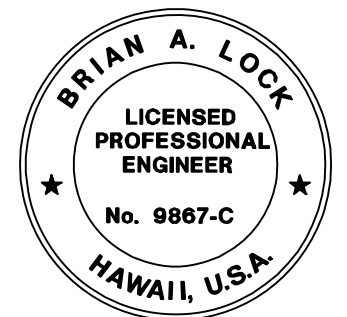
C.O. 51 S-1 B

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	52	354

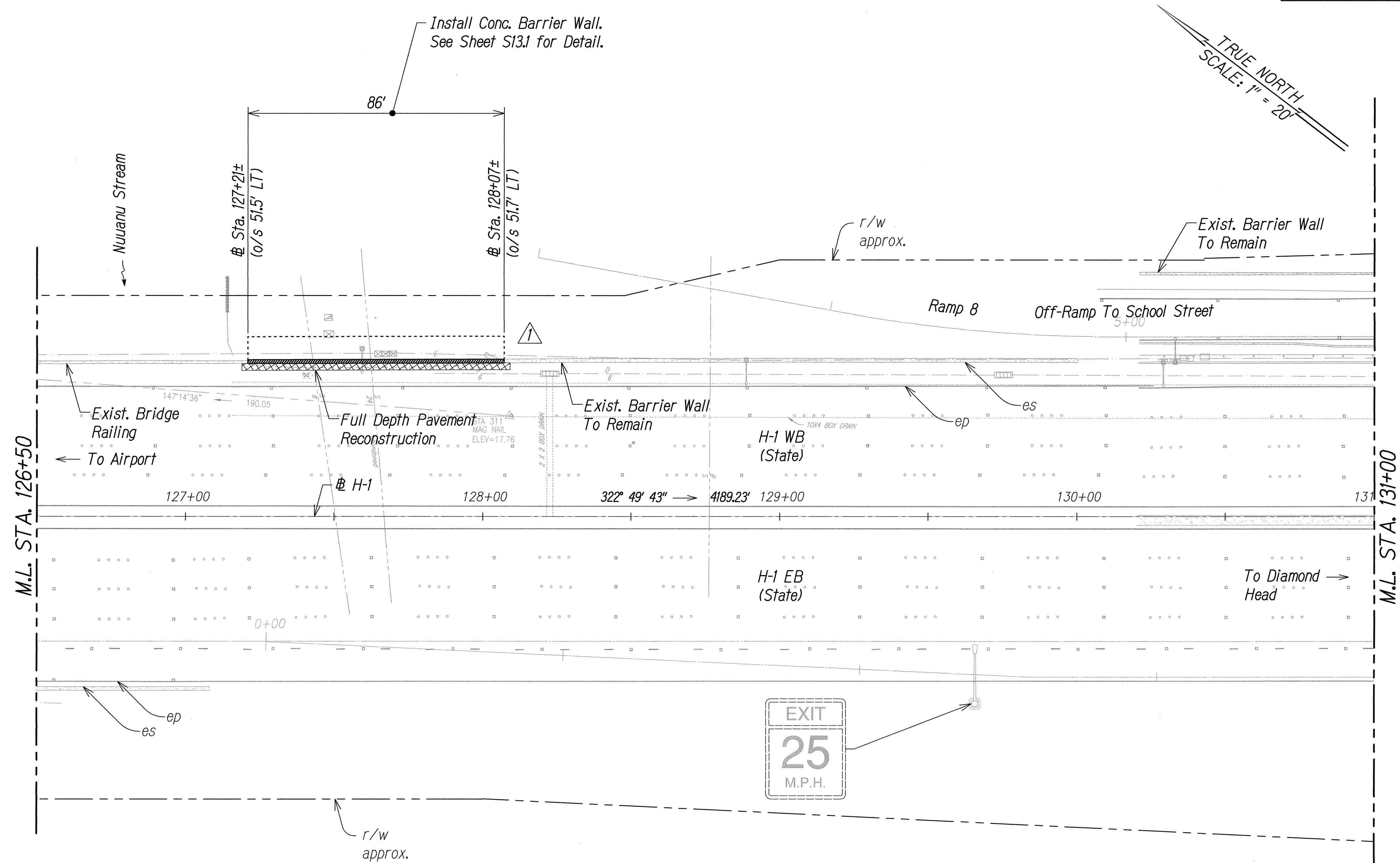


SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



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: Mar. 2016
SHEET No. SL-9 OF 16 SHEETS

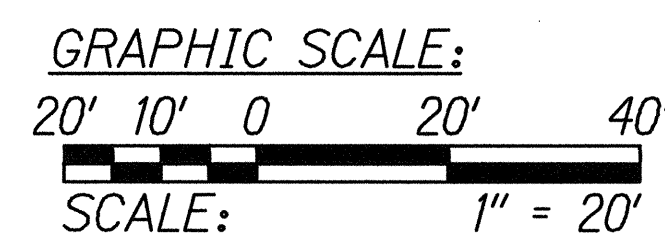
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	ADD. 53	354



Legend:

New 2" Asphalt Pavement

Full Depth Pavement Reconstruction



Note:
 1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

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

r5/25/16 REVISED BARRIER WALL FOOTING	
DATE	REVISION

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msl APRIL 30, 2018
 WILSON OKAMOTO CORPORATION LIC. EXP. DATE

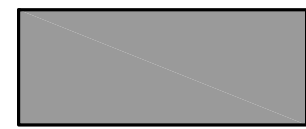
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
AALA STREET & NUUANU STREAM
SITE LAYOUT PLAN
 INTERSTATE ROUTE H-1
 GUARDRAIL AND SHOULDER IMPROVEMENTS
 Middle Street to Punchbowl Off-Ramp
 Fed. Aid Project No. IM-HI-1(242)
 Scale: 1" = 20' Date: Mar. 2016

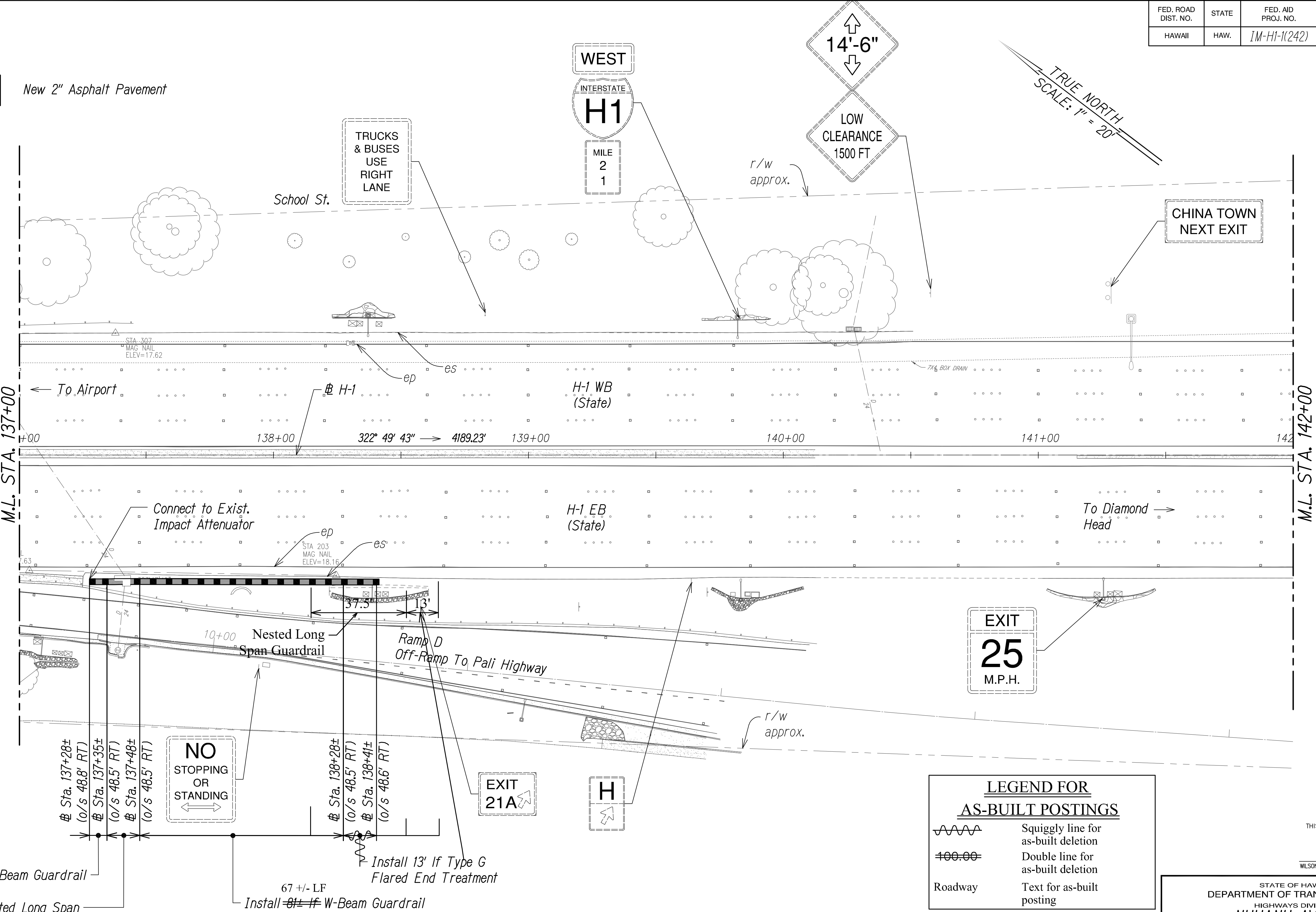
SHEET No. **SL-10** OF 16 SHEETS

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

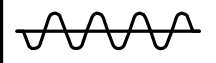
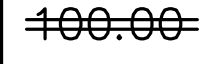
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	55	354

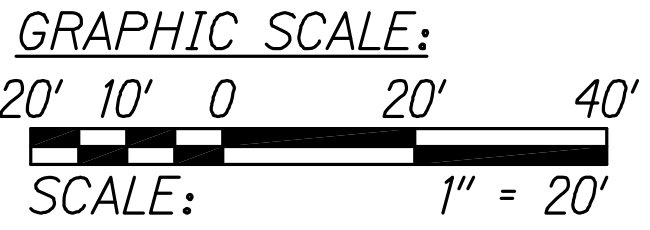
Legend:

 New 2" Asphalt Pavement



LEGEND FOR AS-BUILT POSTINGS

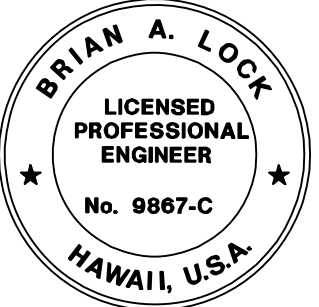
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting



Note:

1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	



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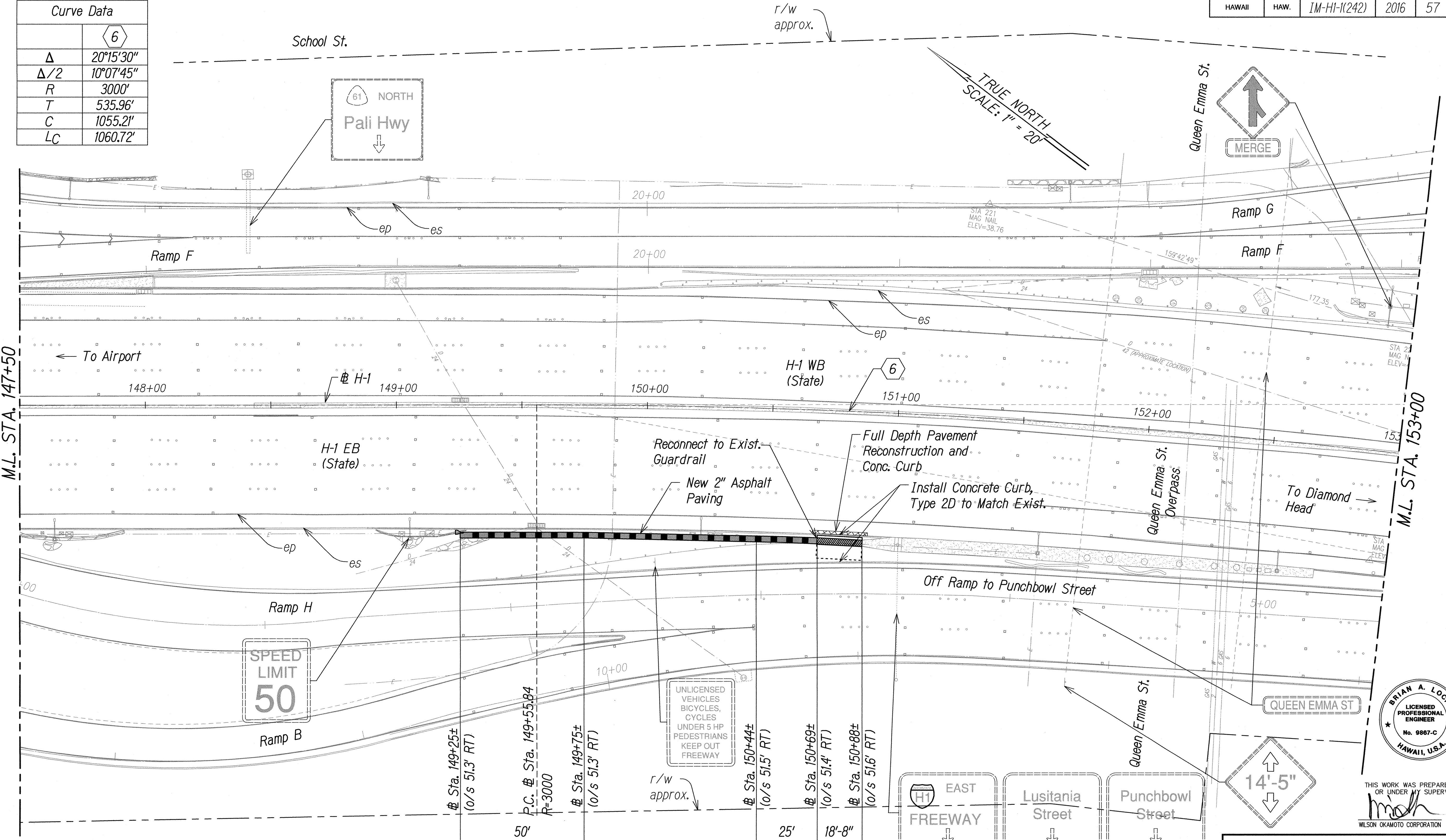
APRIL 30, 2020
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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: Mar. 2016

SHEET No. SL-12 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2016	57	354

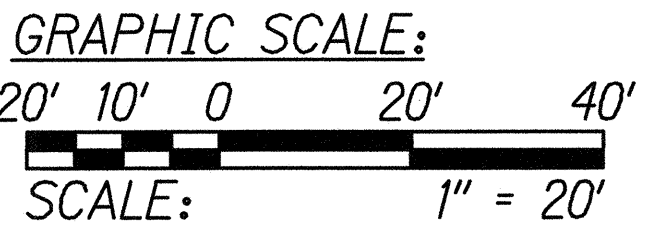
Curve Data	
Δ	20°15'30"
Δ/2	10°07'45"
R	3000'
T	535.96'
C	1055.21'
LC	1060.72'



Note:
 1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

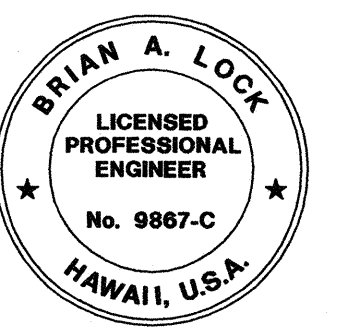
Legend:

- Full Depth Pavement Reconstruction
- New 2" Asphalt Paving



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

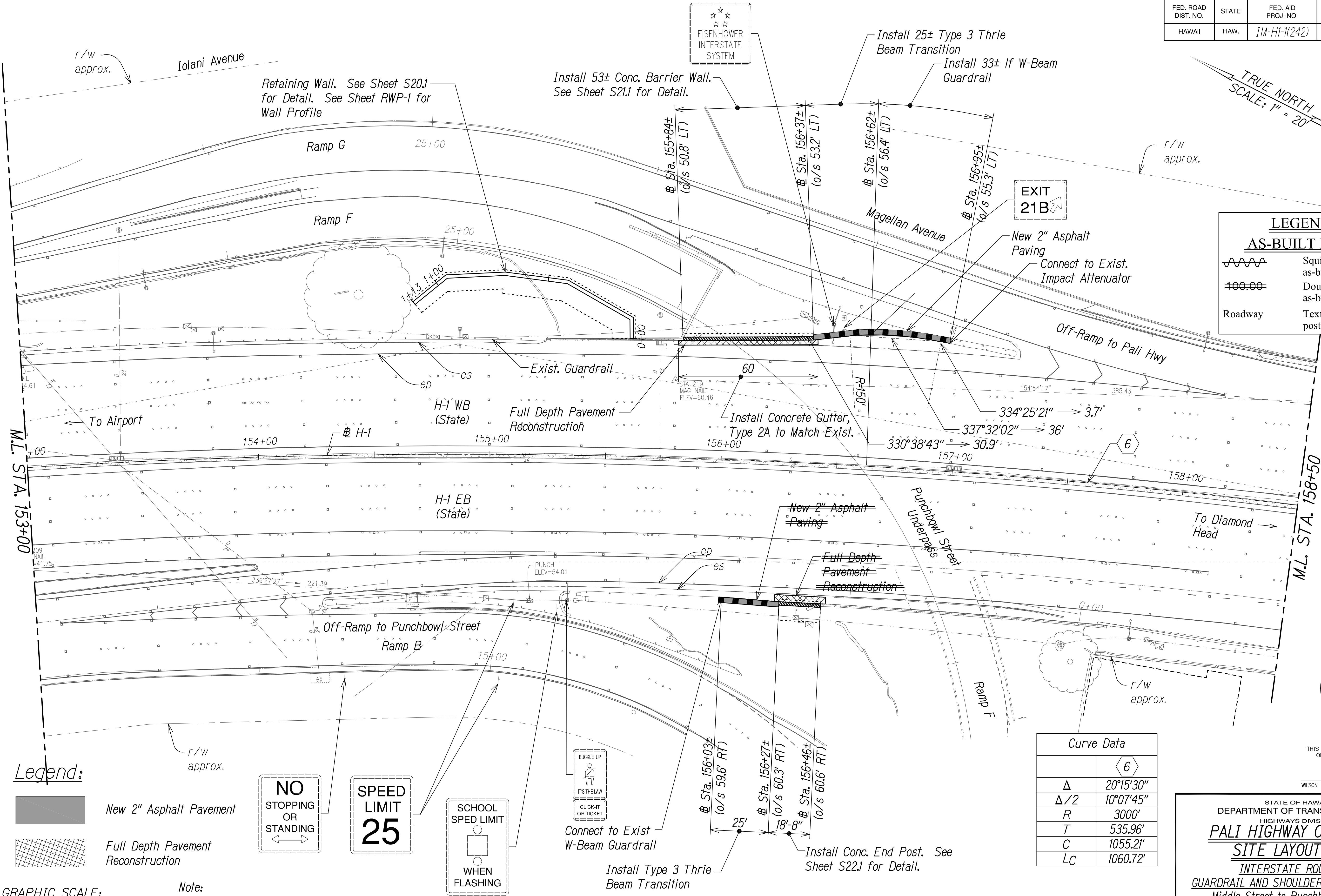
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PALI HIGHWAY OVERPASS
SITE LAYOUT PLAN
 INTERSTATE ROUTE H-1
 GUARDRAIL AND SHOULDER IMPROVEMENTS
 Middle Street to Punchbowl Off-Ramp
 Fed. Aid Project No. 1M-HI-1(242)
 Scale: 1" = 20' Date: Mar. 2016
 SHEET No. SL-14 OF 16 SHEETS



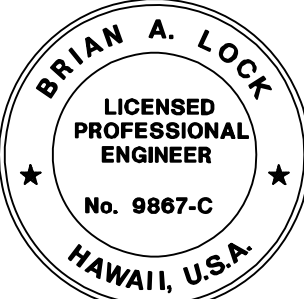
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 [Signature]
 APRIL 30, 2016
 WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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-HI-1(242)	2016	58	354



SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	

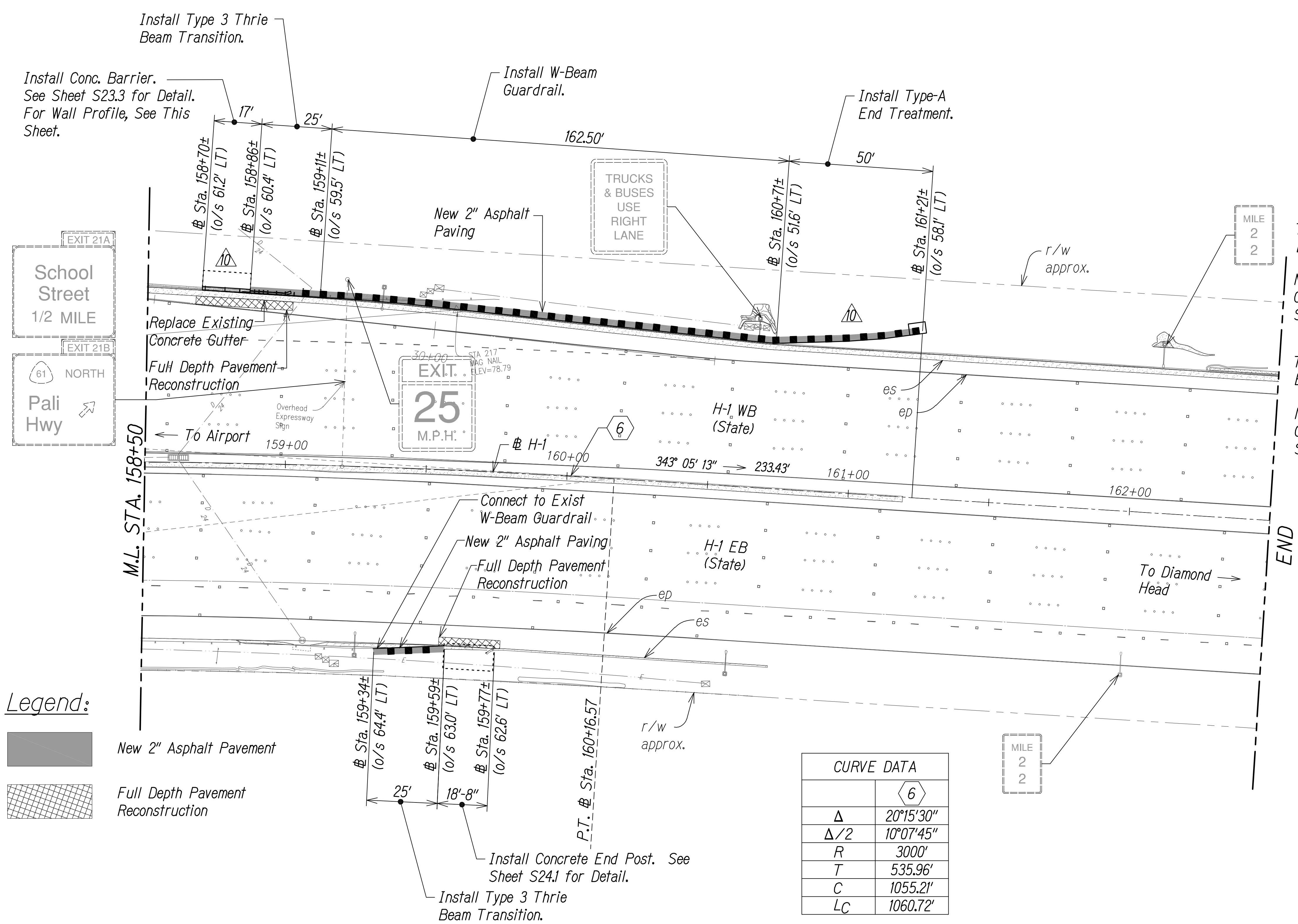


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

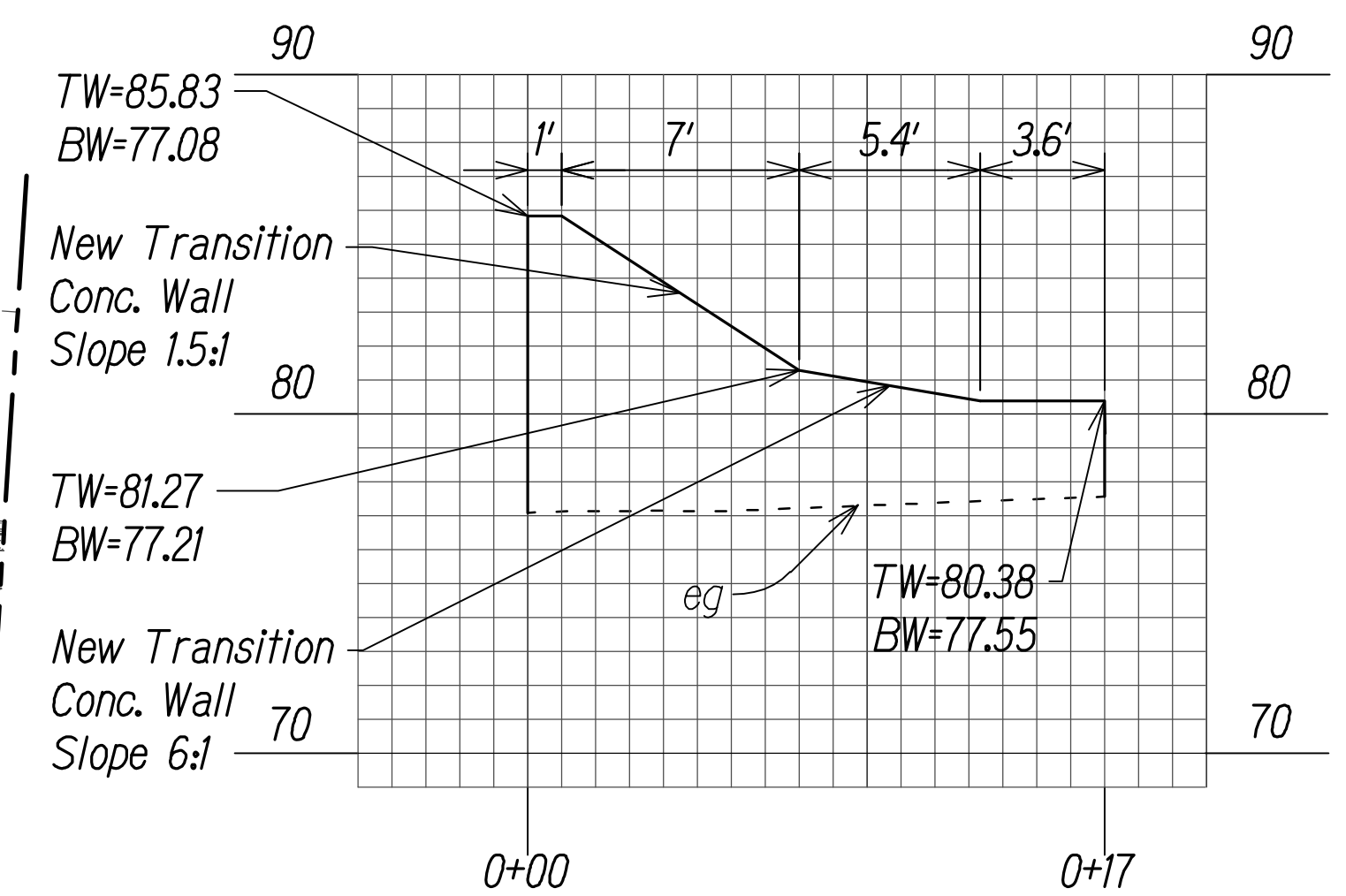
APRIL 30, 2020
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

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: Mar. 2016
SHEET No. SL-15 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	C.O. 59	354



TRUE NORTH
SCALE: 1" = 20'

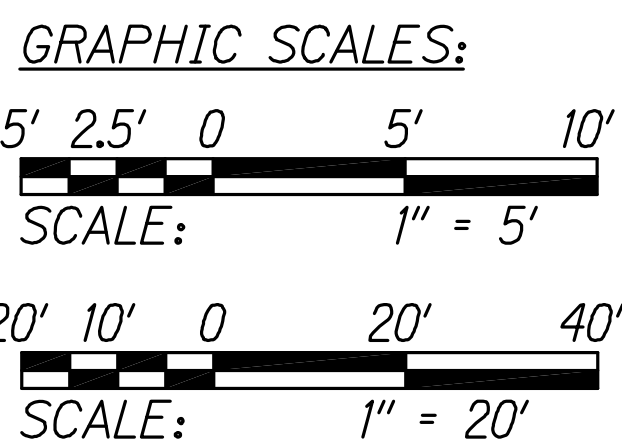


WALL PROFILE
SCALE: HORZ: 1" = 5'
VERT: 1" = 5'

Legend:

- New 2" Asphalt Pavement
- Full Depth Pavement Reconstruction

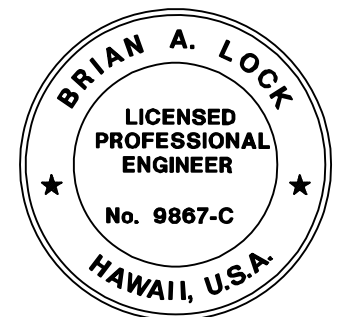
CURVE DATA	
Δ	20°15'30"
$\Delta/2$	10°07'45"
R	3000'
T	535.96'
C	1055.21'
LC	1060.72'



Note:
1. All Pavement Markings Shall Be Restored to Match Existing Conditions and is Incidental to Section 645 - Work Zone Traffic Control.

LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
APRIL 30, 2020
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: Mar. 2016
SHEET No. SL-16 OF 16 SHEETS

DATE	REVISION
10/16/18	REVISED GUARDRAIL; UPDATED FOOTING