

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	9	245

NOTES:

- Contractor shall provide temporary BMPs at each drain inlet in the immediate vicinity of the work zone and a minimum of two additional inlets downstream of the work zone. See BMP details on Sheet N-7.
- Sediment and Erosion Control BMP measures shown in the Contract Documents are minimal BMP requirements and do not constitute an acceptable and/or complete Sediment and Erosion Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring, and Removal of BMP.
- If hydrodemolition utilized, all runoff shall be contained on the Viaduct, otherwise additional BMPs will be required under the Viaduct at downspouts and joints. BMPs cost shall be included in Pay Item 209.0100 - Installation, Maintenance, Monitoring, and Removal of BMP.
- No construction work in the Eastbound direction. Temporary BMPs are not required in the Eastbound direction.
- Contractor shall contain debris, mist generated by hydro-demolition, and other particles generated by concrete demolition that may distract or impair motorists.

EN-1 CURVE DATA

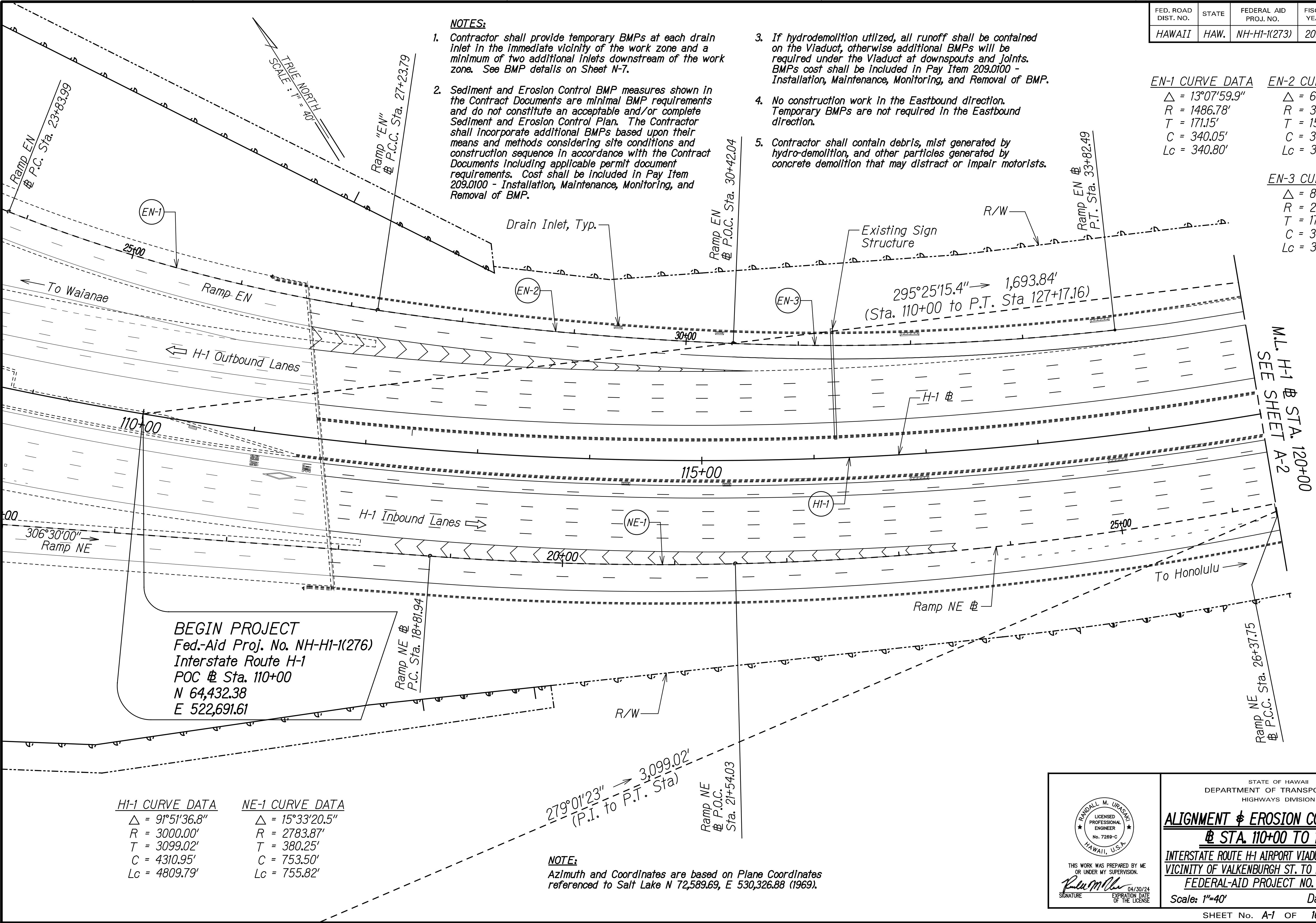
$\Delta = 13^{\circ}07'59.9''$
 $R = 1486.78'$
 $T = 171.15'$
 $C = 340.05'$
 $Lc = 340.80'$

EN-2 CURVE DATA

$\Delta = 6^{\circ}04'41.3''$
 $R = 3000.00'$
 $T = 159.27'$
 $C = 318.10'$
 $Lc = 318.25'$

EN-3 CURVE DATA

$\Delta = 8^{\circ}38'01.2''$
 $R = 2259.40'$
 $T = 170.55'$
 $C = 340.14'$
 $Lc = 340.46'$

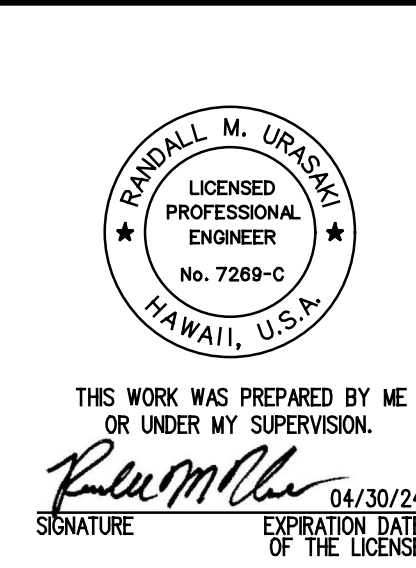


HI-1 CURVE DATA

$\Delta = 91^{\circ}51'36.8''$
 $R = 3000.00'$
 $T = 3099.02'$
 $C = 4310.95'$
 $Lc = 4809.79'$

NE-1 CURVE DATA

$\Delta = 15^{\circ}33'20.5''$
 $R = 2783.87'$
 $T = 380.25'$
 $C = 753.50'$
 $Lc = 755.82'$

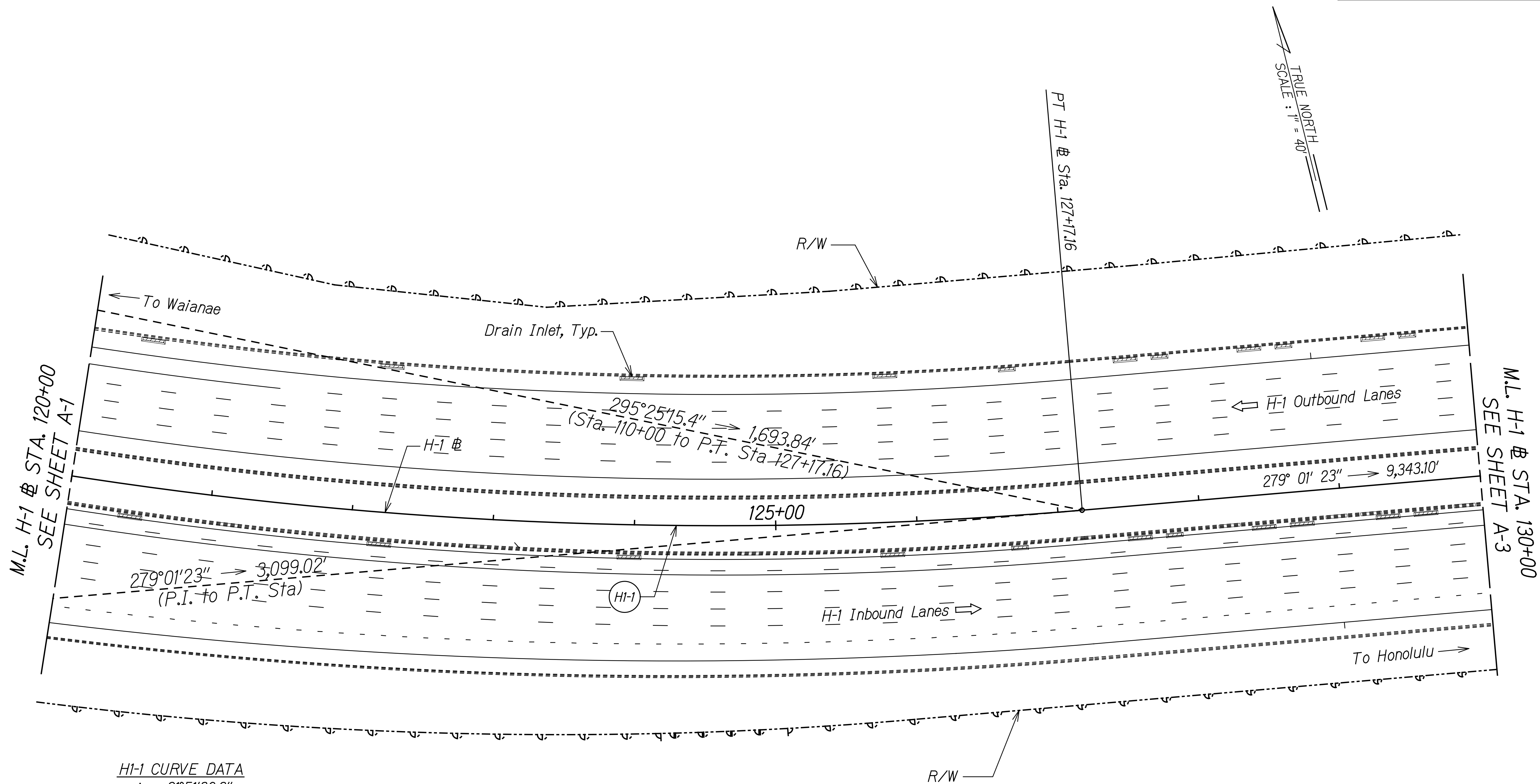


STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 110+00 TO 120+00
 INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
 VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
 FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	10	245



H-1 CURVE DATA
 $\Delta = 91^{\circ}51'36.8''$
 $R = 3000.00'$
 $T = 3099.02'$
 $C = 4310.95'$
 $Lc = 4809.79'$

NOTE:
See Sheet A-1 for Notes.

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: *R. Urasaki* 04/30/24
EXPIRATION DATE OF THE LICENSE

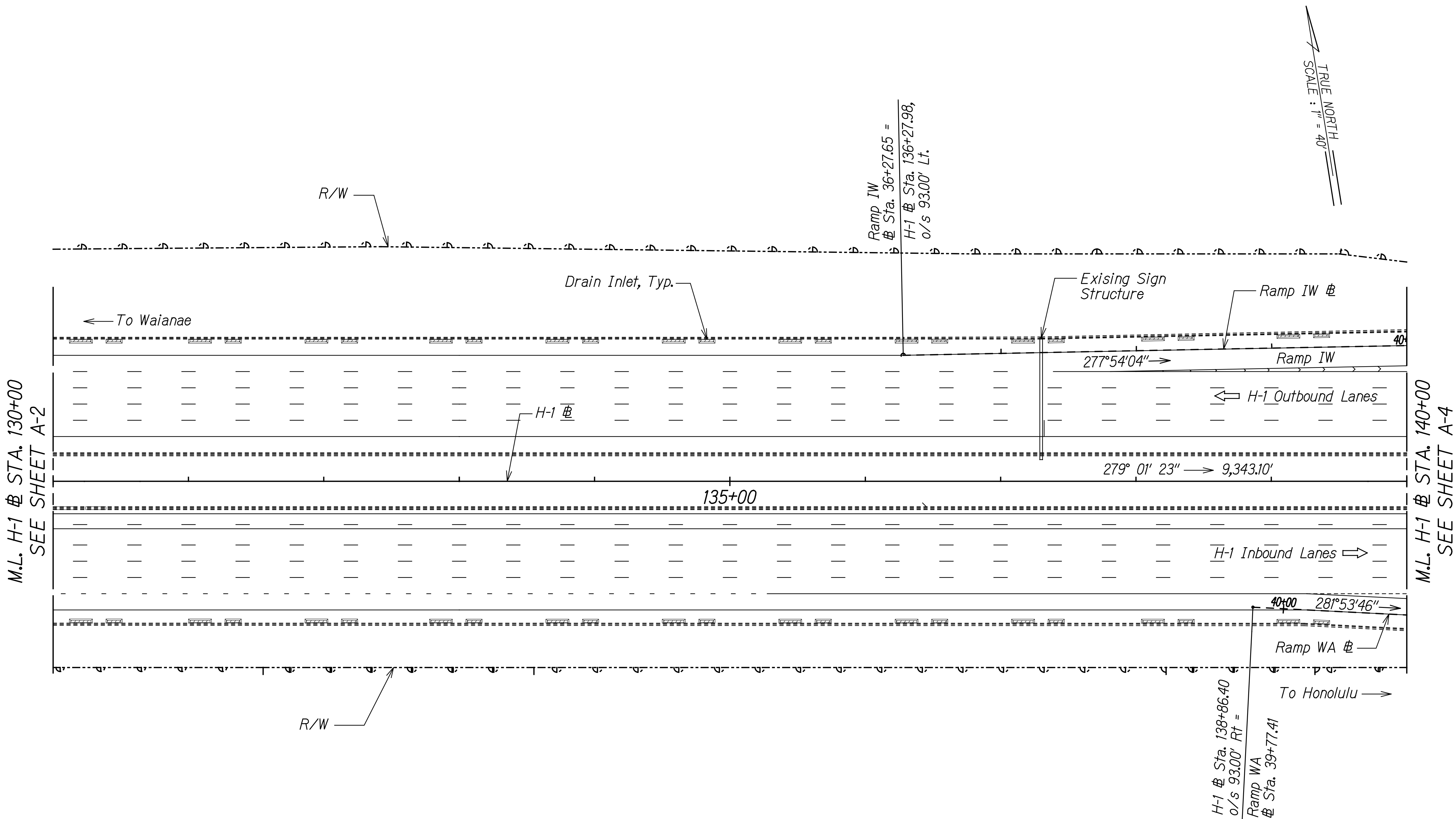
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 120+00 TO 130+00

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	11	245



TRUE NORTH
SCALE: 1" = 40'

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

NOTE:
See Sheet A-1 for Notes.

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R. Urasaki
SIGNATURE

04/30/24
EXPIRATION DATE
OF THE LICENSE

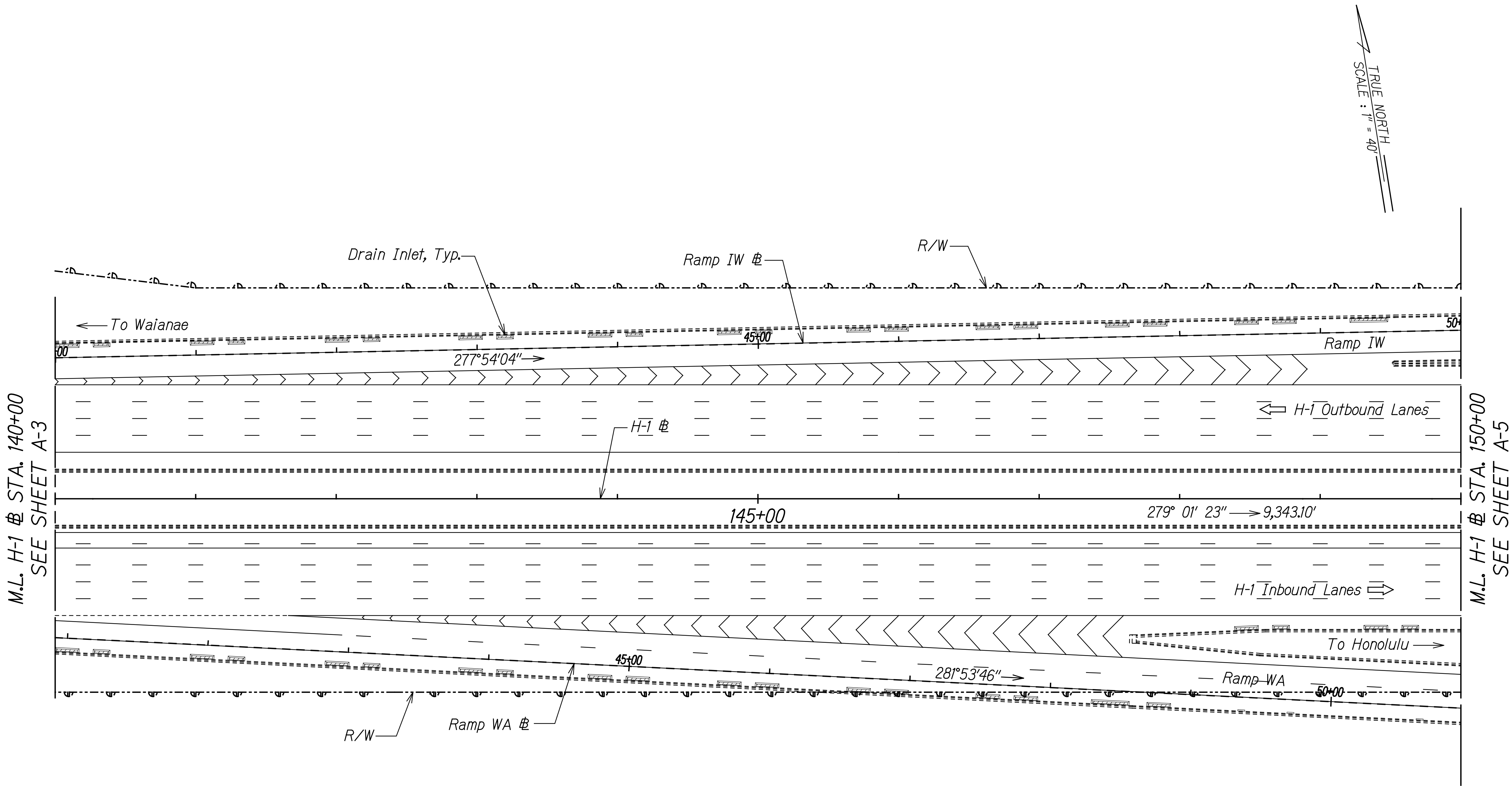
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 130+00 TO 140+00

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	12	245



TRUE NORTH
SCALE: 1" = 40'

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
Nº	

NOTE:
See Sheet A-1 for Notes.

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OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

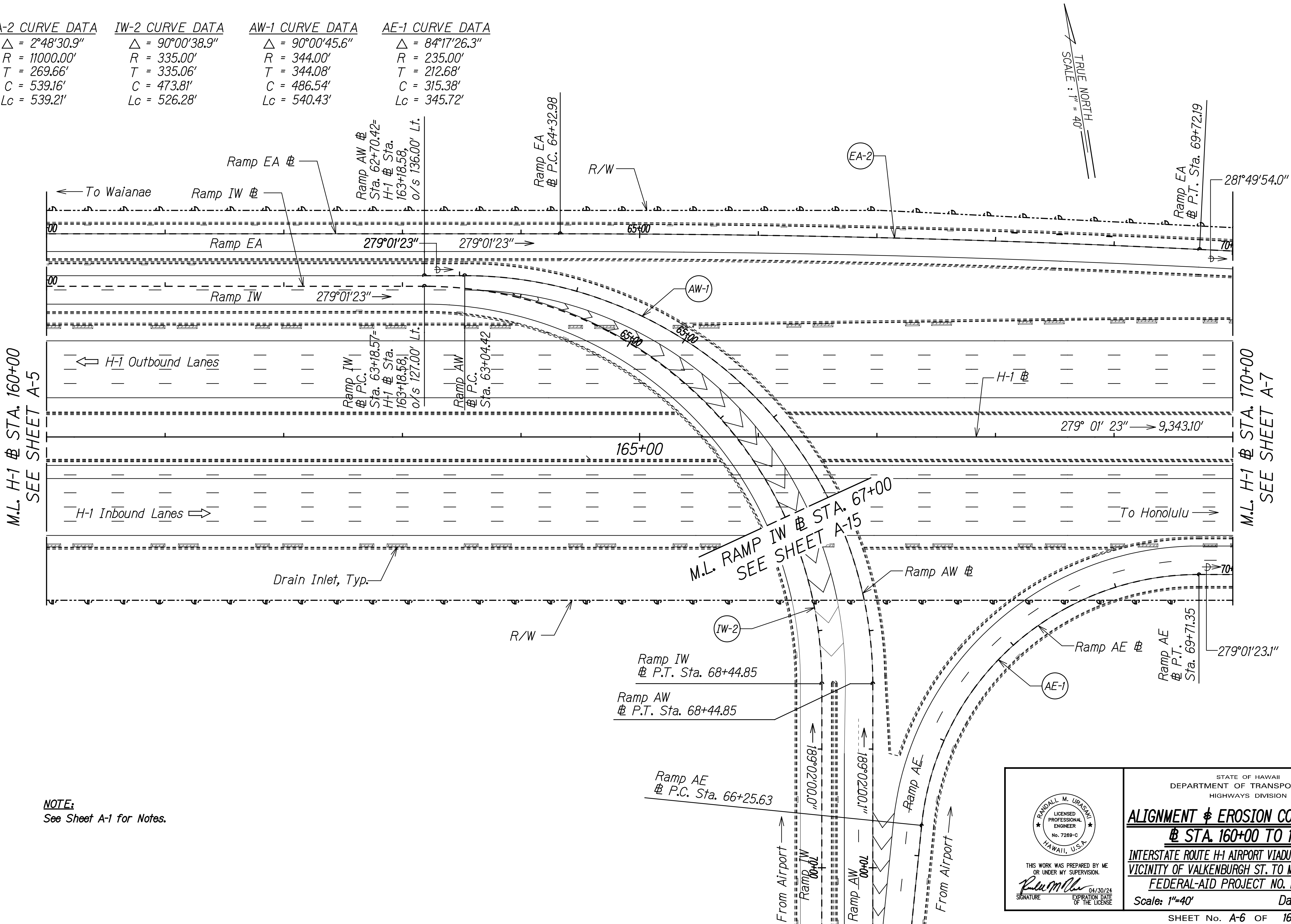
ALIGNMENT & EROSION CONTROL PLAN
@ STA. 140+00 TO 150+00

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	14	245

EA-2 CURVE DATA	IW-2 CURVE DATA	AW-1 CURVE DATA	AE-1 CURVE DATA
$\Delta = 2^{\circ}48'30.9''$	$\Delta = 90^{\circ}00'38.9''$	$\Delta = 90^{\circ}00'45.6''$	$\Delta = 84^{\circ}17'26.3''$
$R = 11000.00'$	$R = 335.00'$	$R = 344.00'$	$R = 235.00'$
$T = 269.66'$	$T = 335.06'$	$T = 344.08'$	$T = 212.68'$
$C = 539.16'$	$C = 473.81'$	$C = 486.54'$	$C = 315.38'$
$Lc = 539.21'$	$Lc = 526.28'$	$Lc = 540.43'$	$Lc = 345.72'$



NOTE:
See Sheet A-1 for Notes.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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R. M. Urasaki 04/30/24
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 160+00 TO 170+00

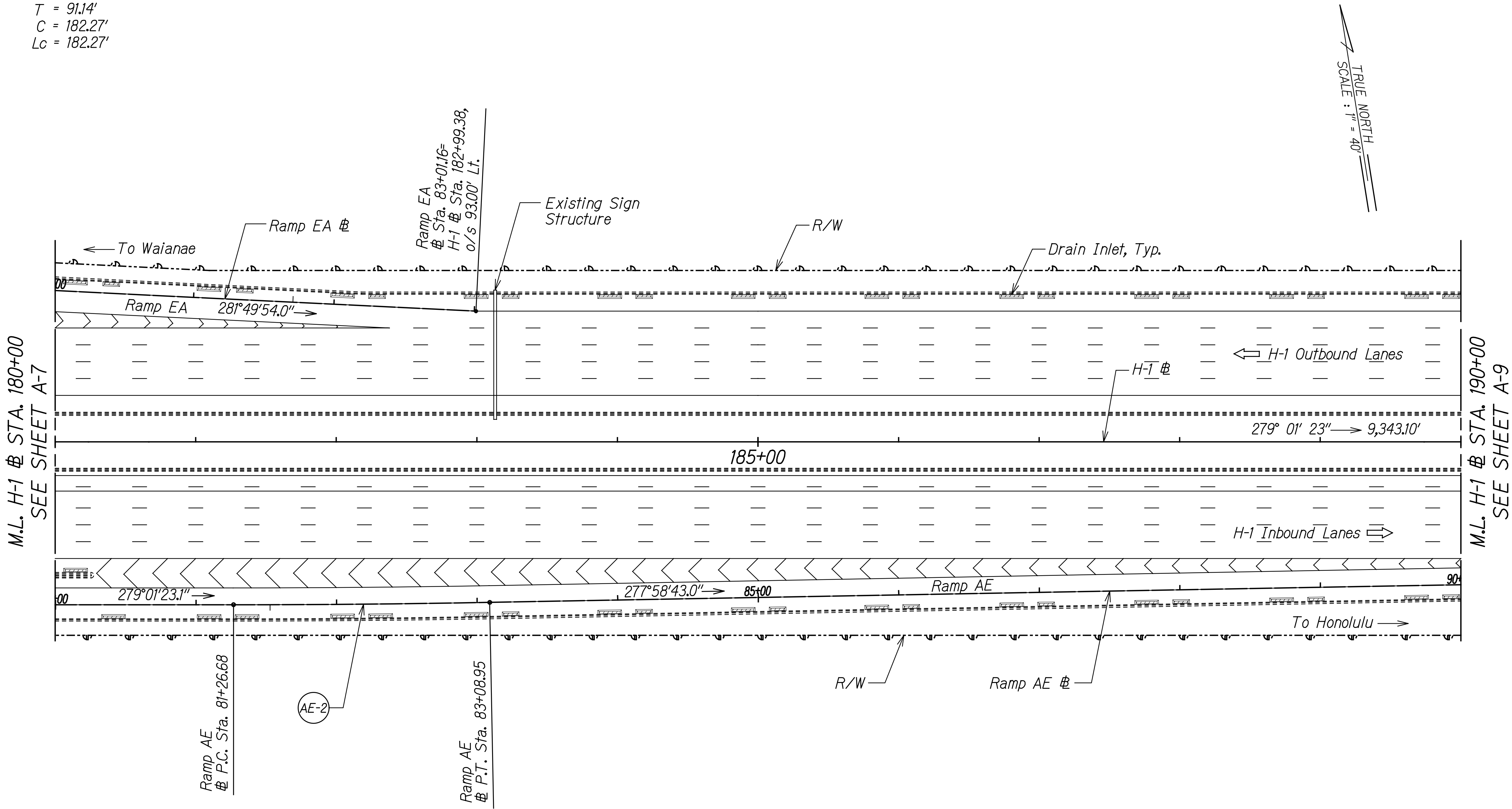
INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	16	245

AE-2 CURVE DATA

$\Delta = 1^{\circ}02'39.6''$
 $R = 10000.00'$
 $T = 91.14'$
 $C = 182.27'$
 $L_c = 182.27'$



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

NOTE:
See Sheet A-1 for Notes.

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

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R. M. Urasaki 04/30/24
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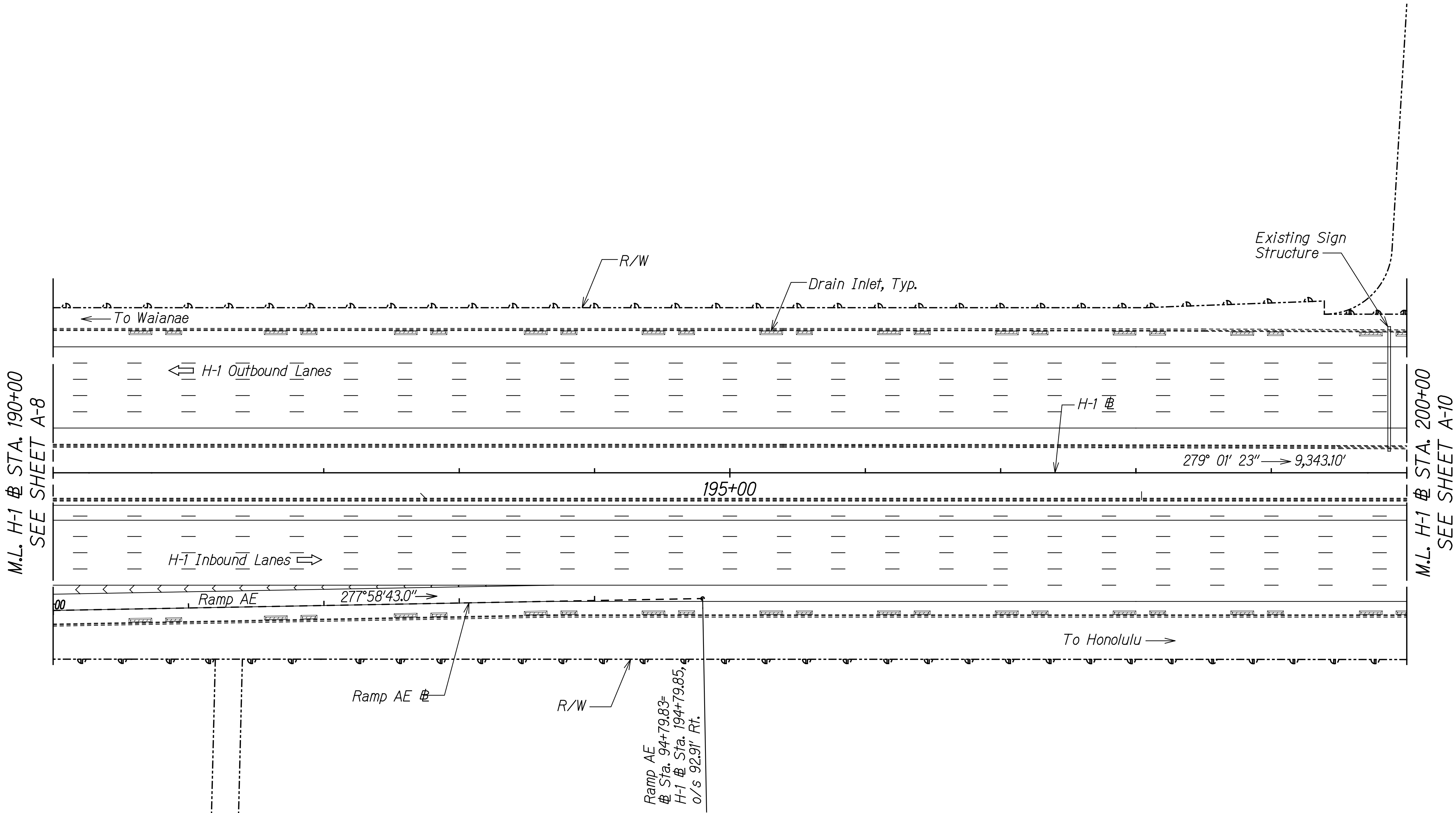
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 180+00 TO 190+00

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	17	245



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

NOTE:
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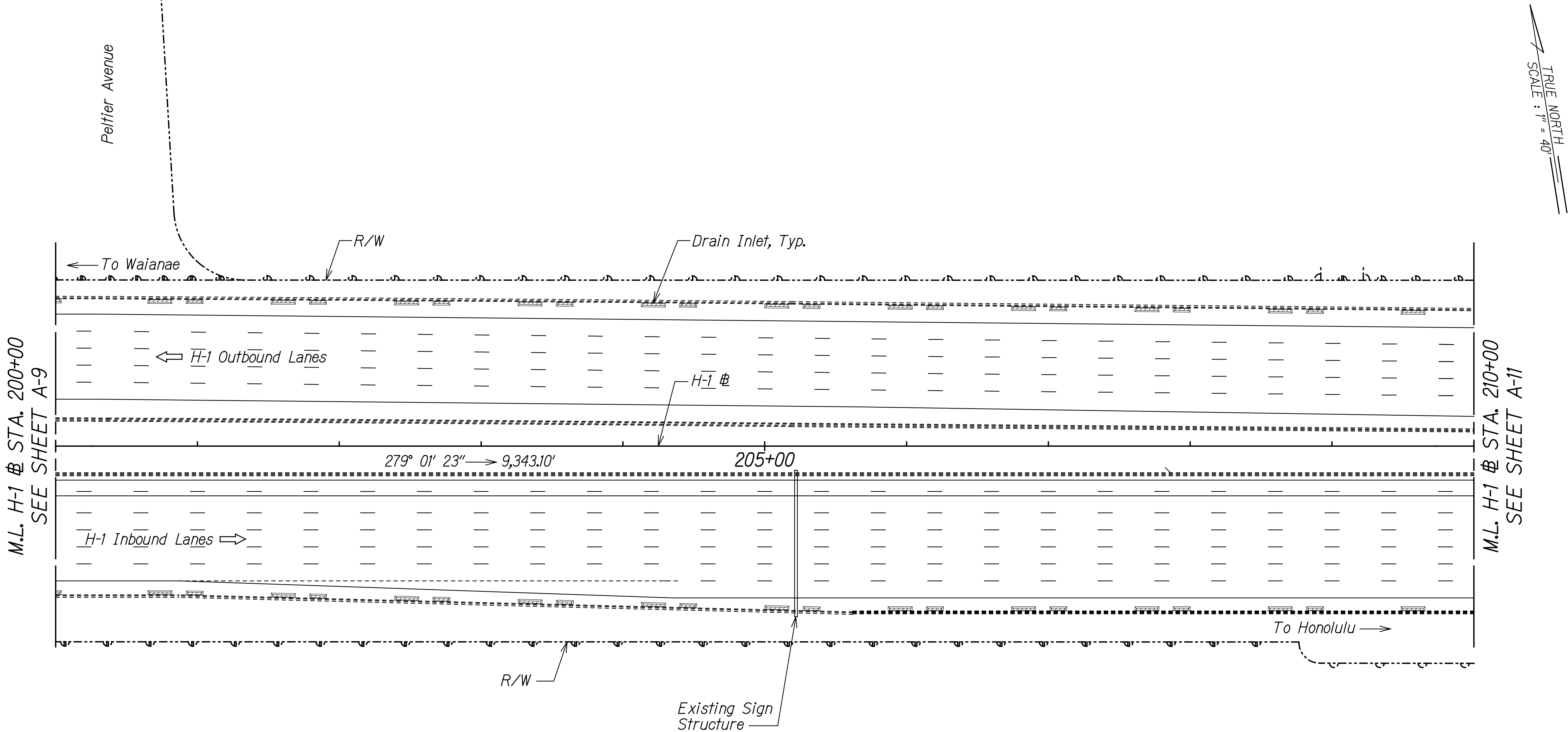
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 190+00 TO 200+00

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	18	245



TRUE NORTH
SCALE: 1" = 40'

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

NOTE:
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R. M. Urasaki 04/30/24
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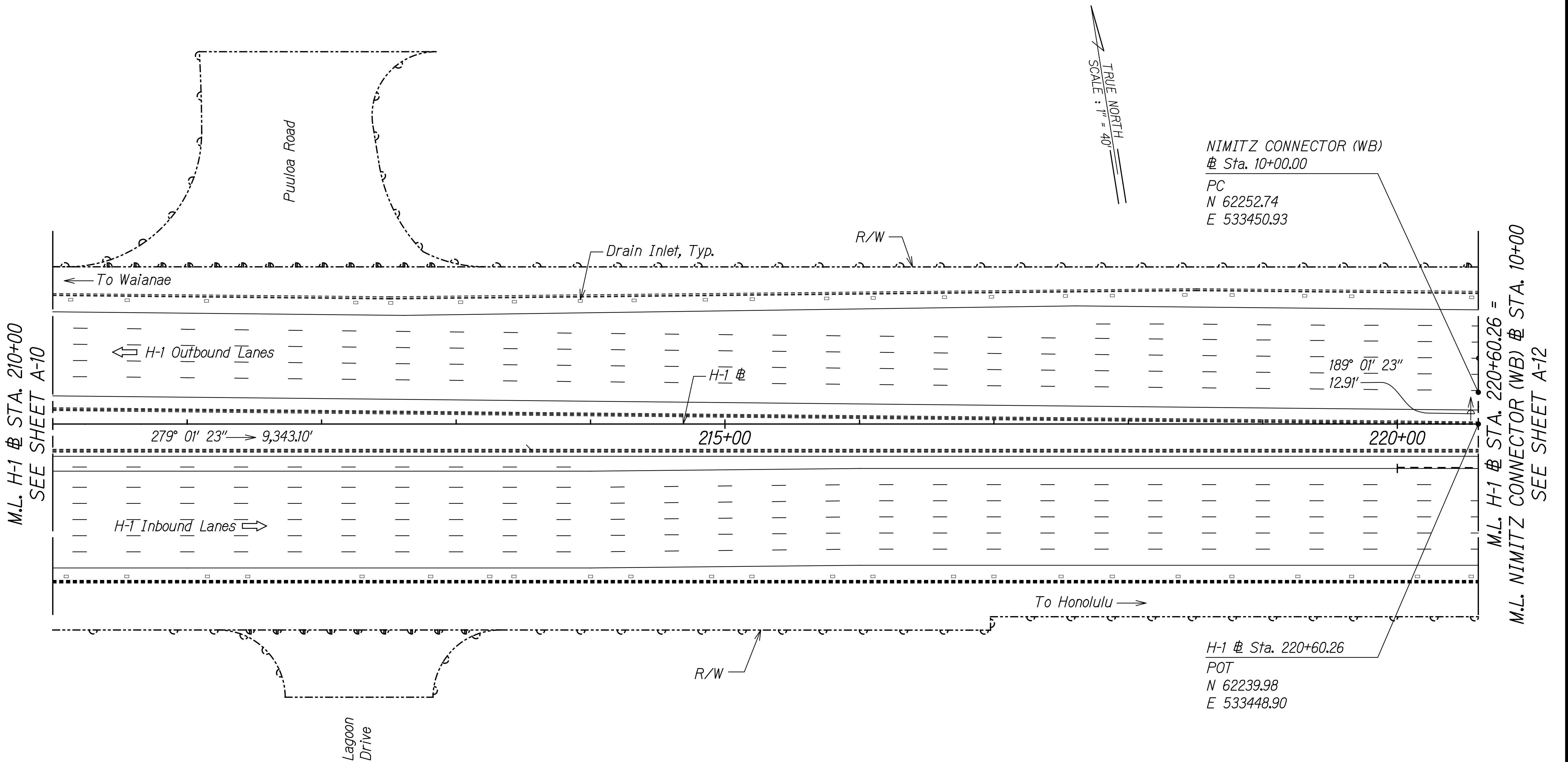
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
@ STA. 200+00 TO 210+00

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	19	245



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

NOTE:
See Sheet A-1 for Notes.

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R. Urasaki 04/30/24
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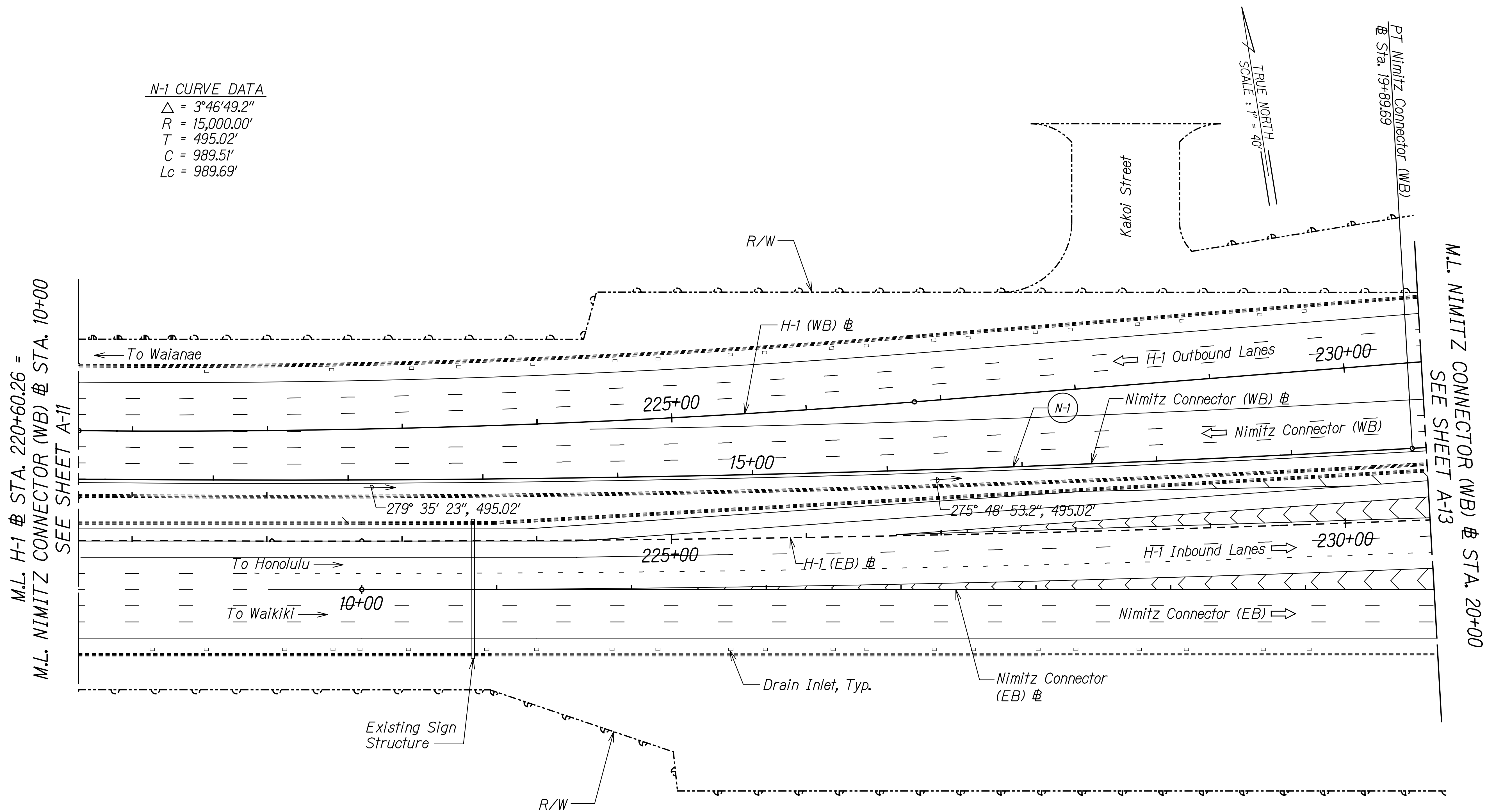
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
& STA. 210+00 TO 220+60.26

INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	20	245



NOTE:
See Sheet A-1 for Notes.

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

RANDALL M. URASAKI

LICENSED PROFESSIONAL ENGINEER

No. 7269-C

HAWAII, U.S.A.

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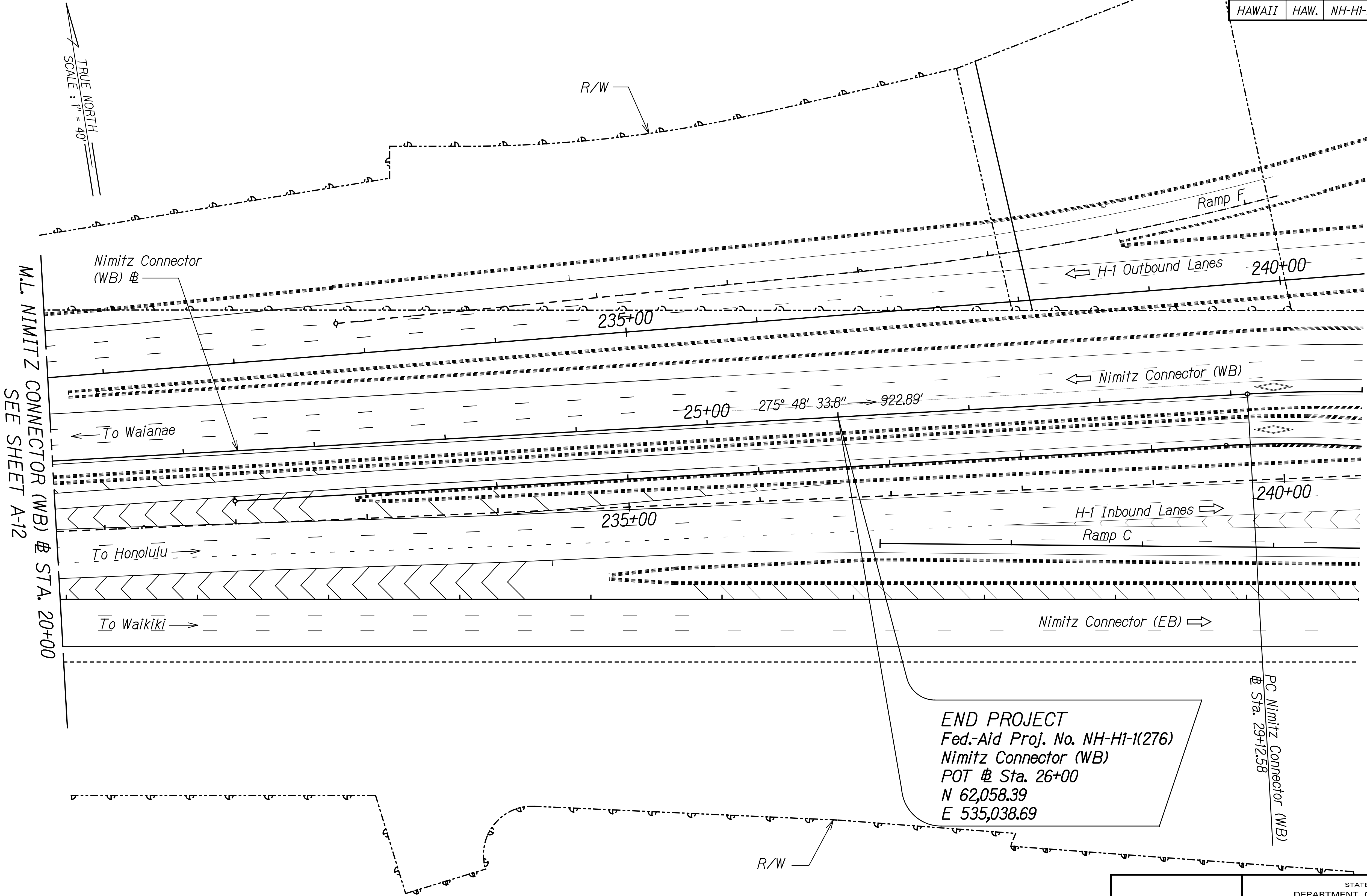
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
NIMITZ WB @ STA. 10+00 TO 20+00
INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)
Scale: 1"=40' Date: Sept. 2022

SHEET No. A-12 OF 16 SHEETS

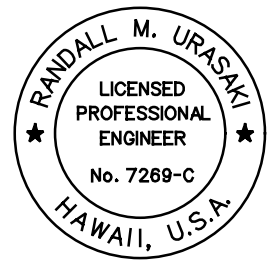
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FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	21	245



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

NOTE:
See Sheet A-1 for Notes.



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R. Urasaki 04/30/24
SIGNATURE EXPIRATION DATE OF THE LICENSE

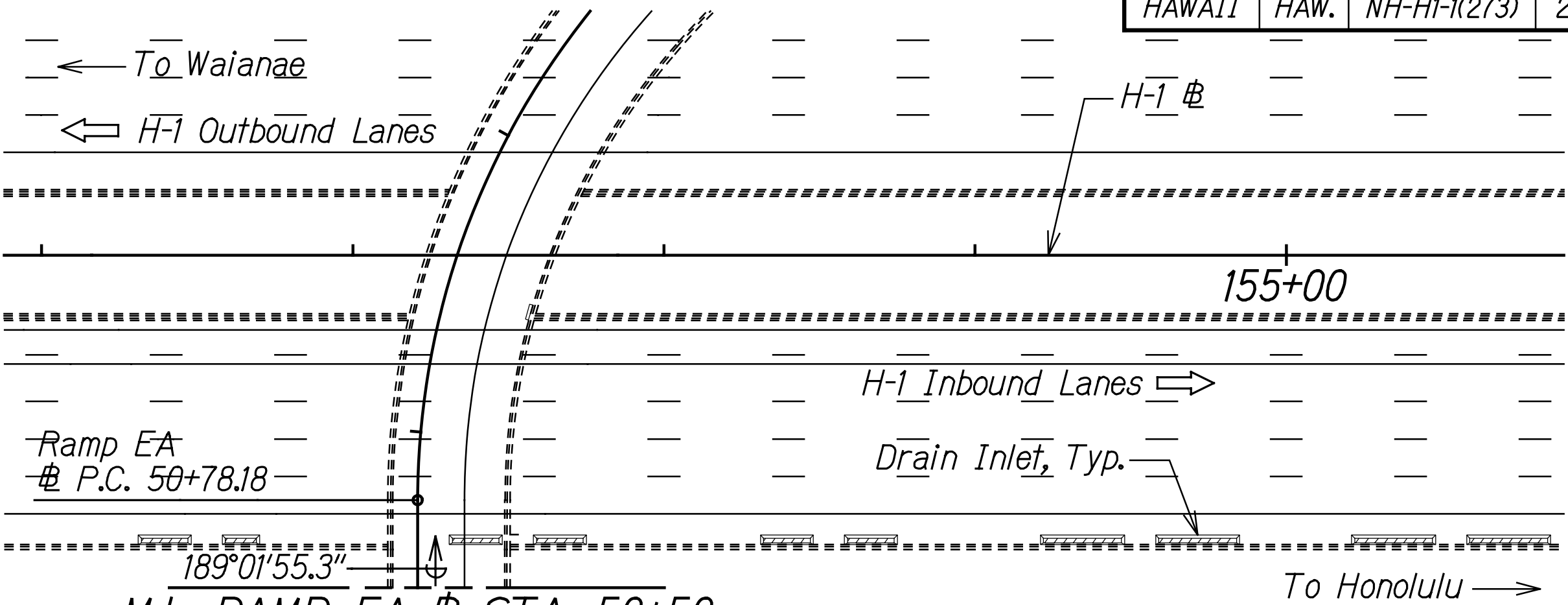
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
NIMITZ WB @ STA. 20+00 TO 30+00
INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

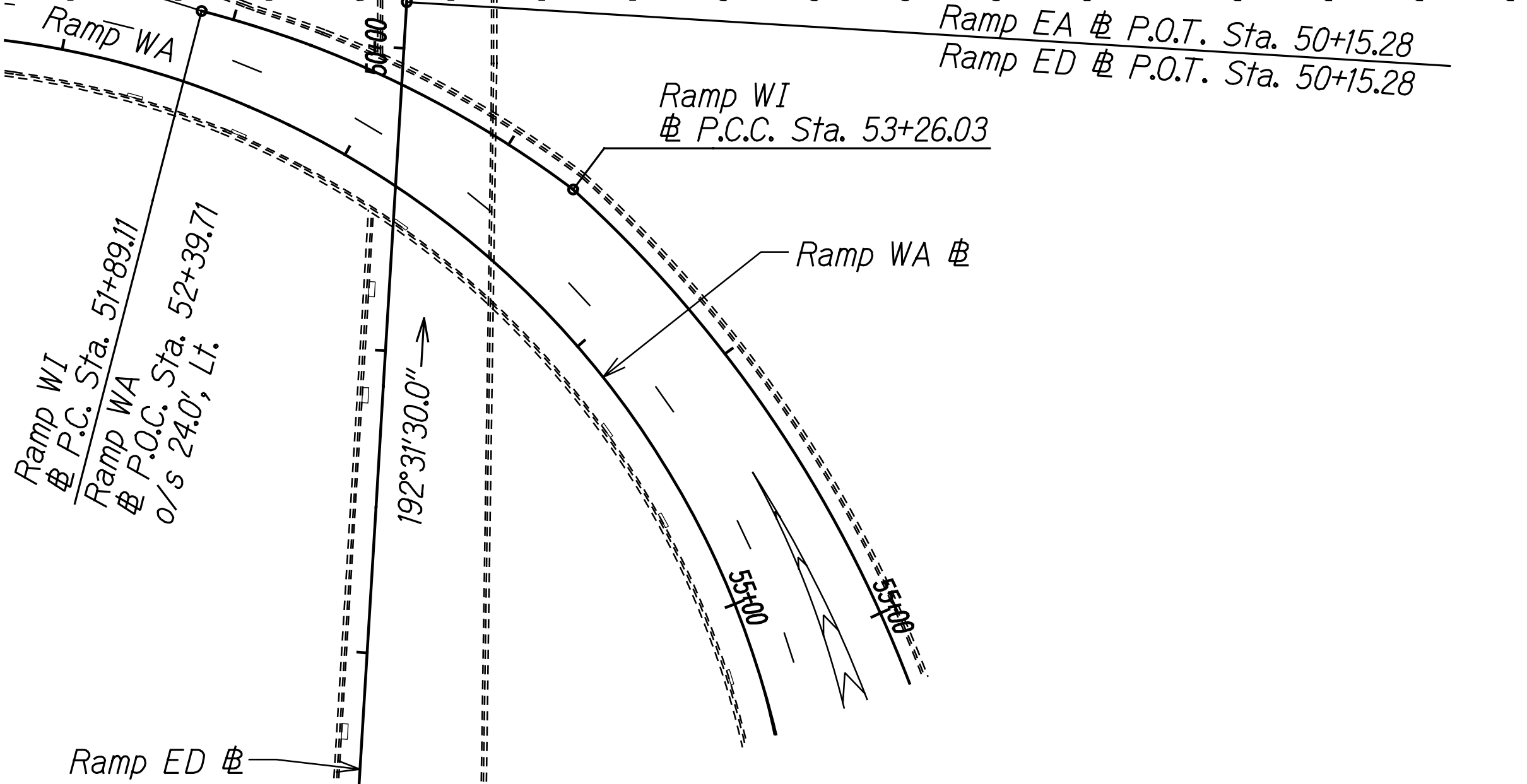
Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	22	245

TRUE NORTH
SCALE : 1" = 40'



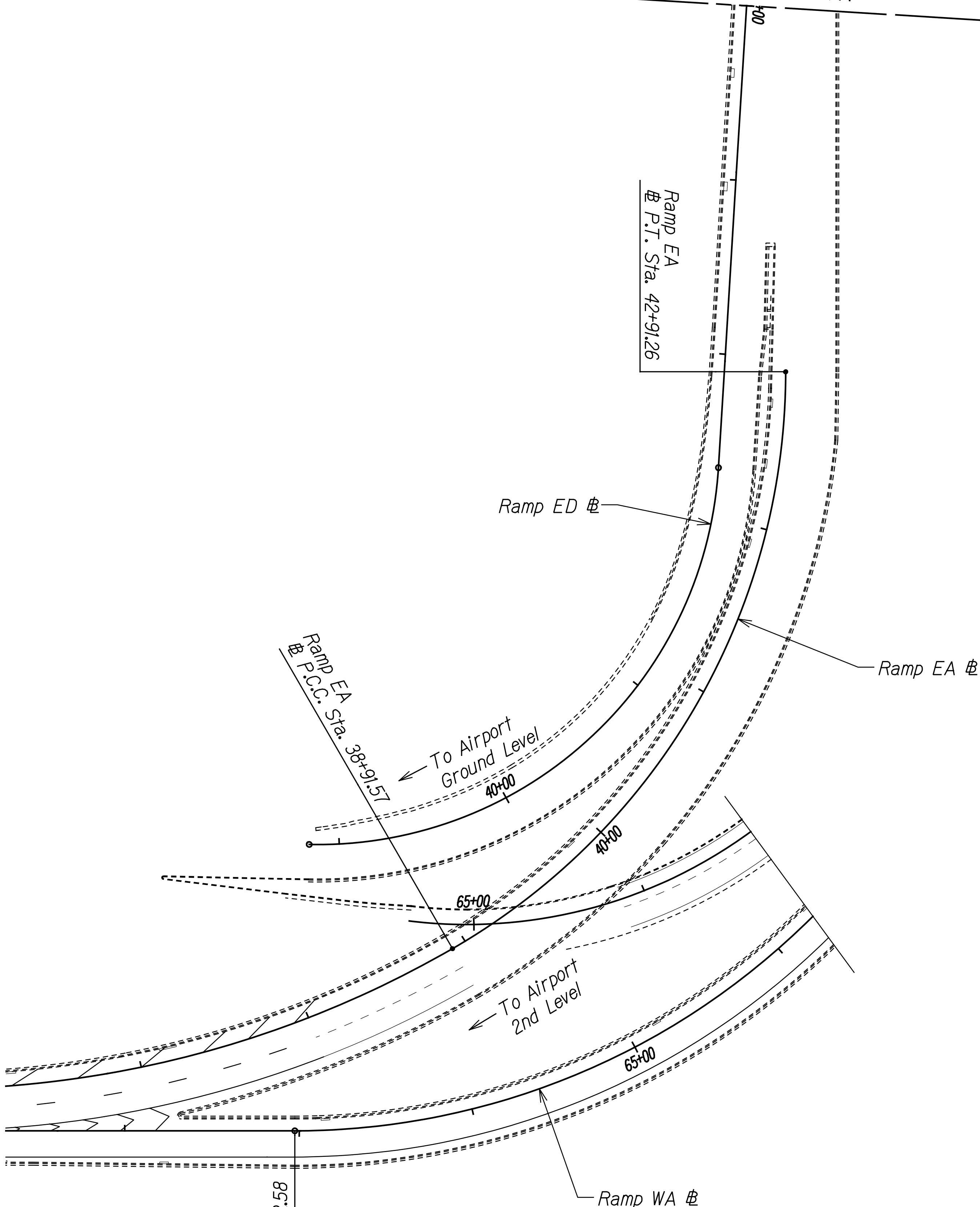
M.L. RAMP EA @ STA. 50+50
SEE SHEET A-5



Ramp ED @

M.L. RAMP ED @ STA. 45+00
SEE ABOVE LEFT

M.L. RAMP ED @ STA. 45+00
SEE BELOW RIGHT



Ramp ED @

Ramp EA @

Ramp WA @

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

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R. Urasaki 04/30/24
SIGNATURE EXPIRATION DATE OF THE LICENSE

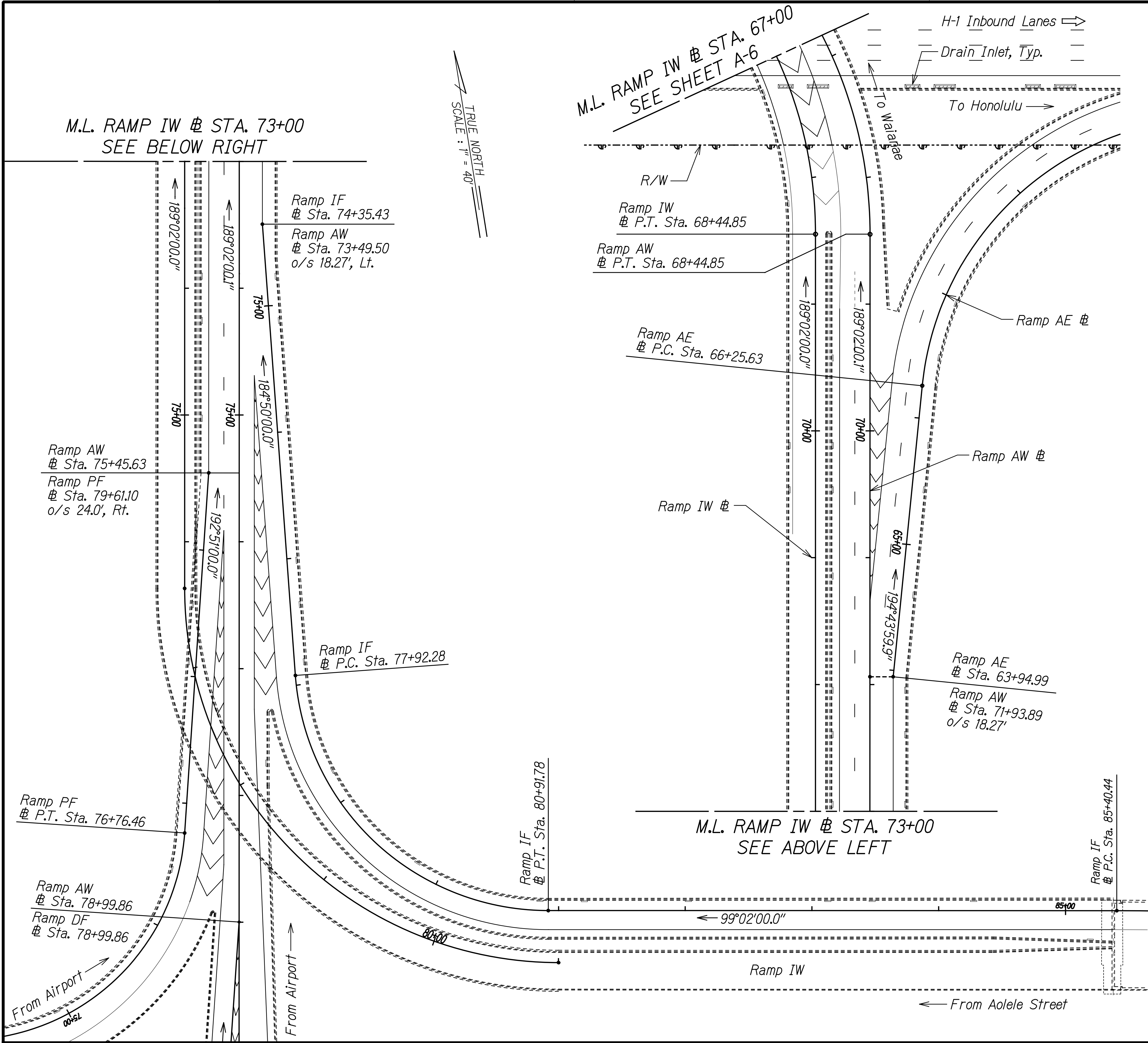
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
RAMP EA AND ED

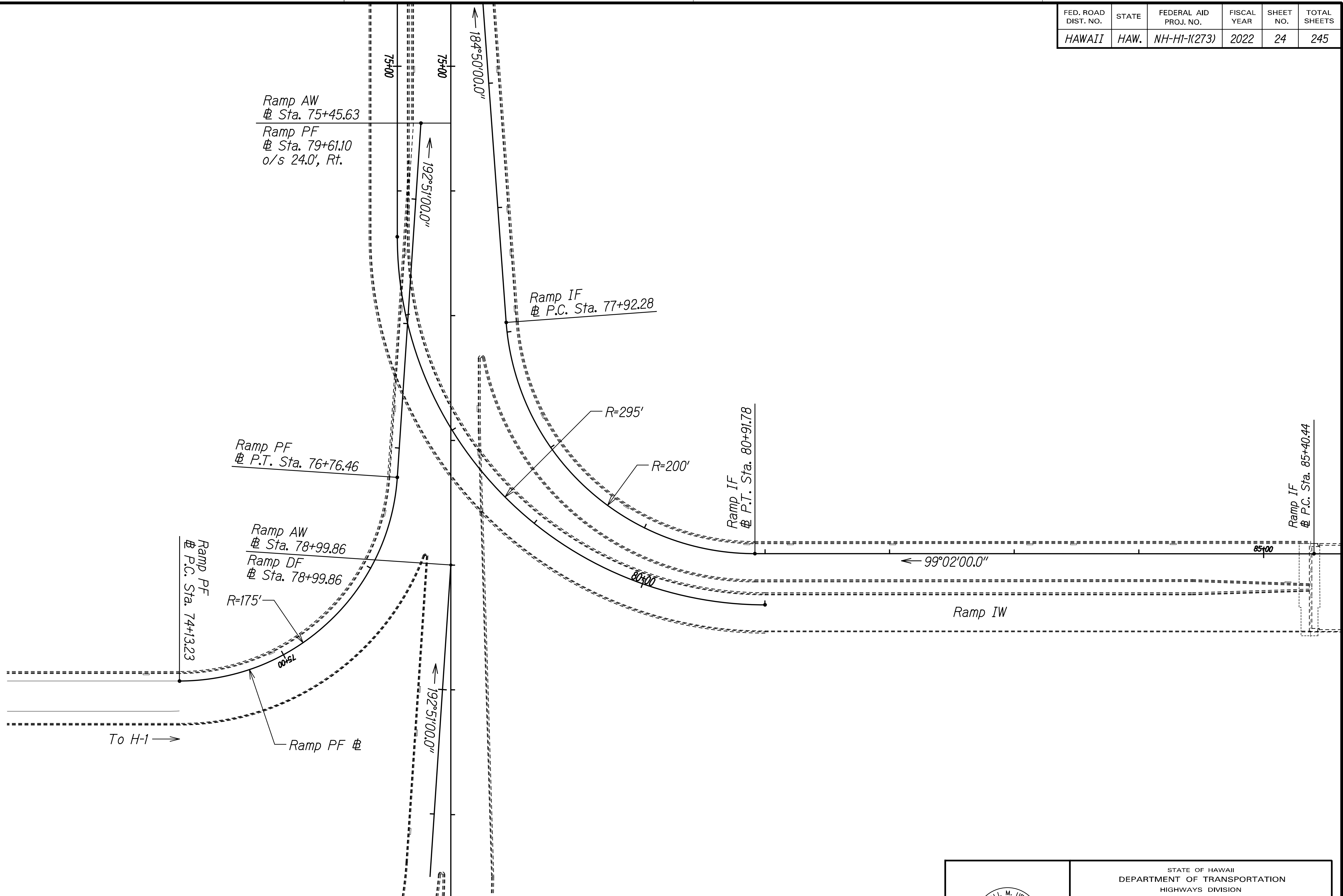
INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)

Scale: 1"=40' Date: Sept. 2022

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	23	245



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(273)	2022	24	245



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

RANDALL M. URASAKI

LICENSED PROFESSIONAL ENGINEER

No. 7289-C

HAWAII, U.S.A.

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04/30/24

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT & EROSION CONTROL PLAN
RAMP PF
INTERSTATE ROUTE H-1 AIRPORT VIADUCT IMPROVEMENTS
VICINITY OF VALKENBURGH ST. TO MIDDLE ST., PH. 3
FEDERAL-AID PROJECT NO. NH-HI-1(273)
Scale: 1"=40' Date: Sept. 2022

SHEET No. A-16 OF 16 SHEETS

24