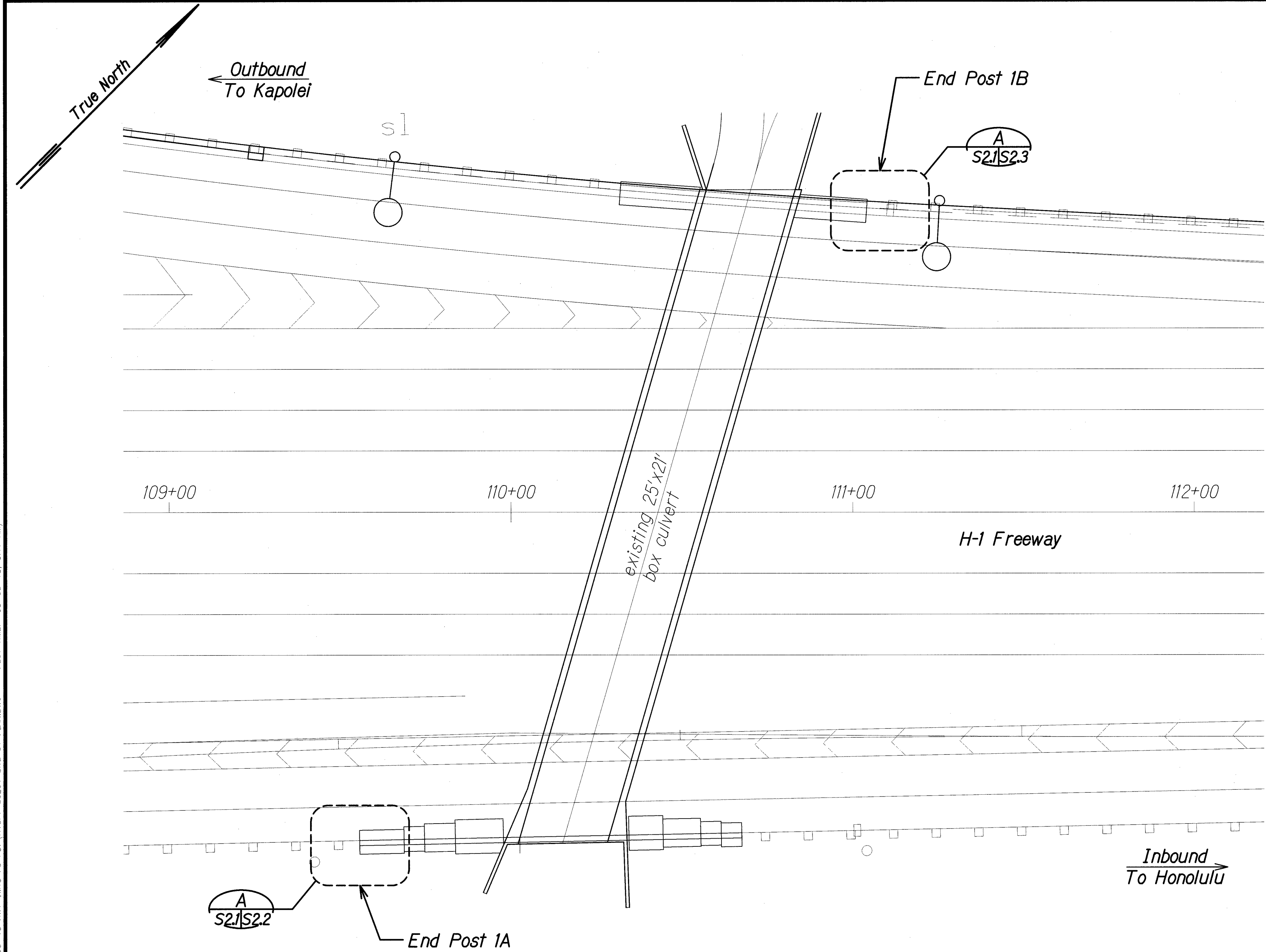


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	68	241



SITE 1 - LAYOUT PLAN
 Scale: 1" = 20'-0"

ORIGINAL PLAN	DATE
NOTE BOOK	DESIGNED BY
QUANTITIES BY	CHECKED BY
No.	

DRAWING NAME: 21-03 ONCING 17-035-HI SAFETY IMPROVEMENTS PALILAI IC-WAIAWA-WSP-01 CAD:08-08-18 HW: QNTS FS FOR VISIT-50201 SITE 01 PLANDWG PLOT TIME: 08-08-18, 8:17 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara

SIGNATURE

4-30-20

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

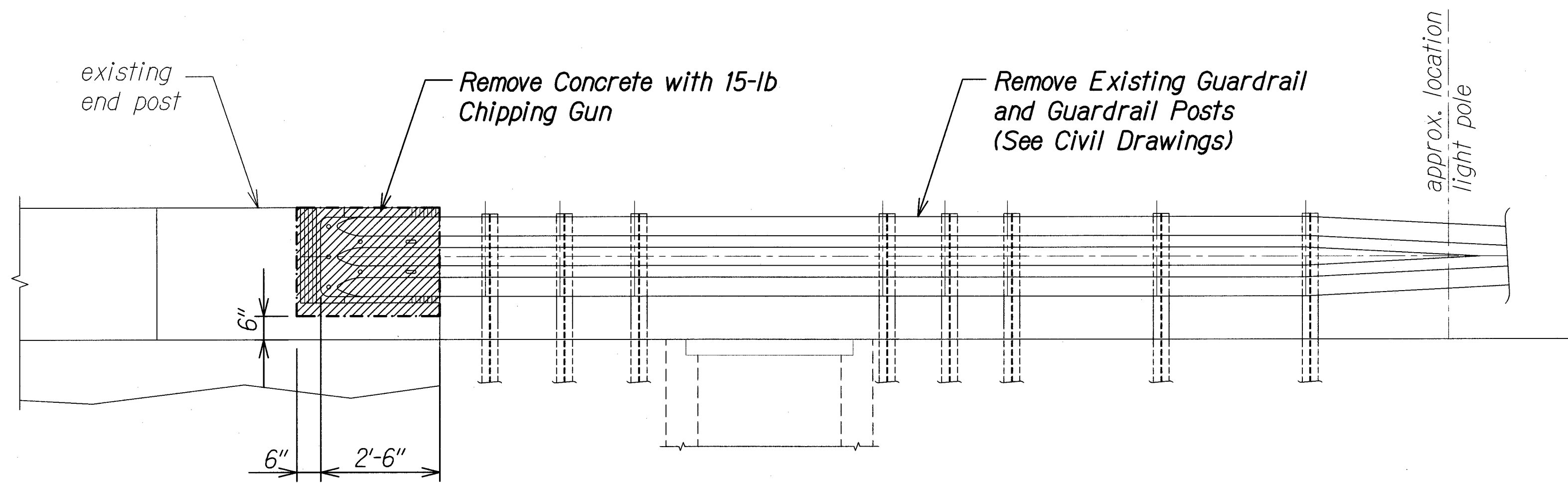
SITE 1 LAYOUT PLAN

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALILAI INTERCHANGE TO WAIAWA OVERPASS
 FAP NO. HSIP-HI-1(270)**

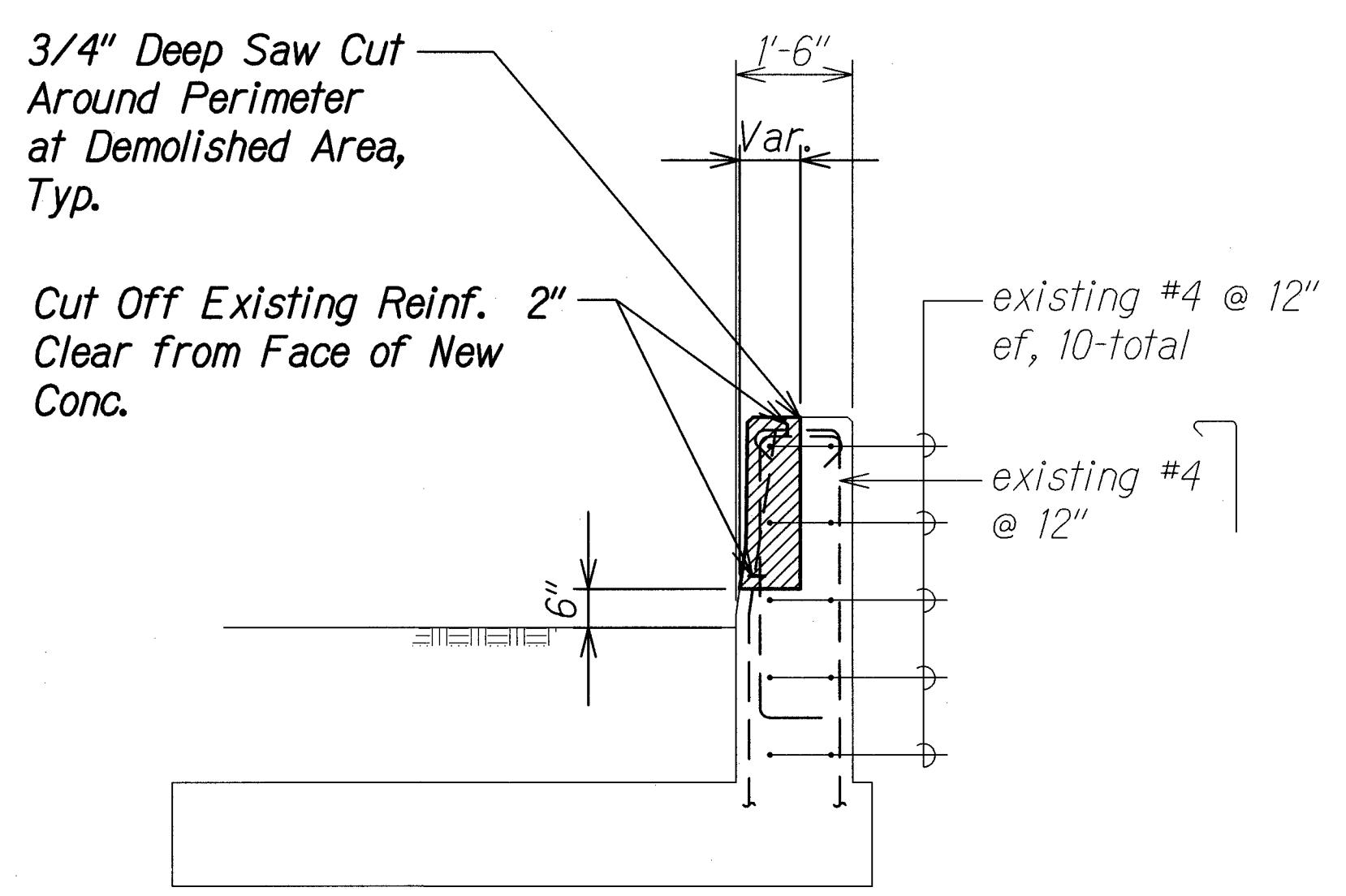
Scale: As Noted Date: July 26, 2018

SHEET No. S21 OF 8 SHEETS

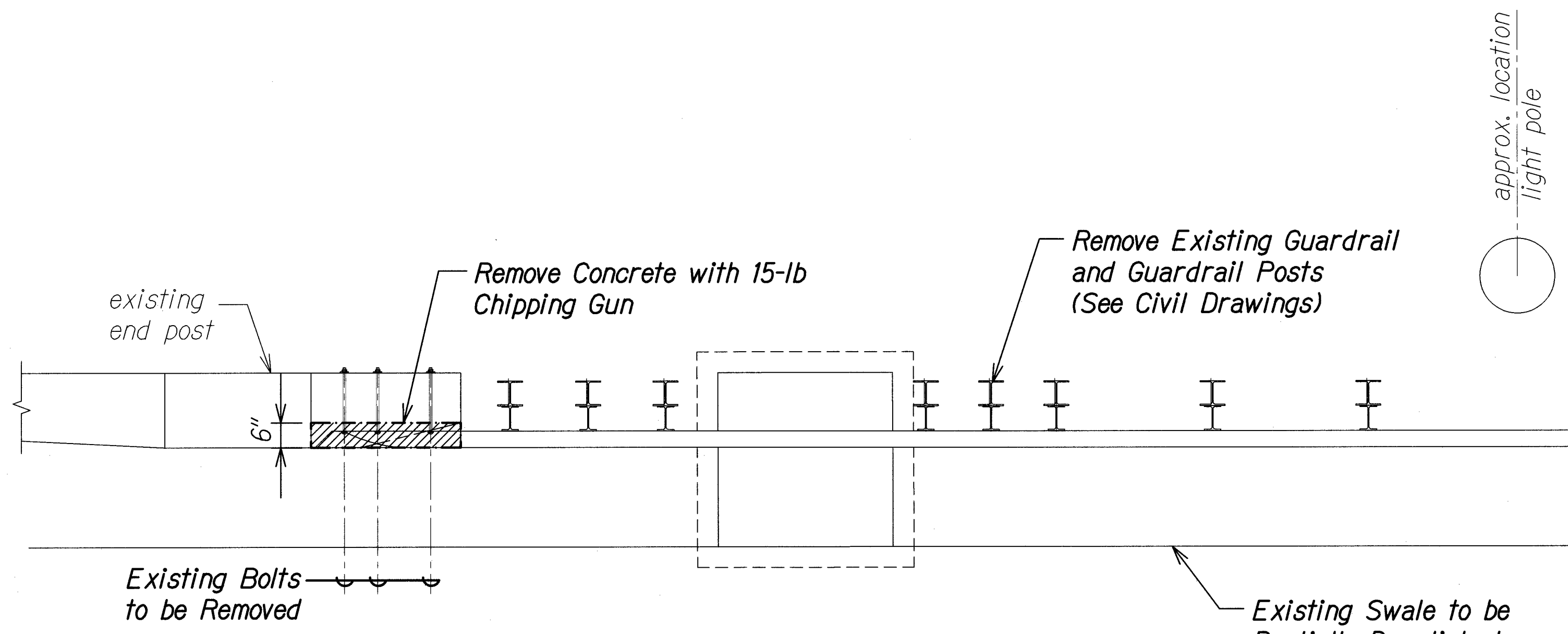
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	70	241



END POST 1B DEMOLITION ELEVATION A
 Scale: 1/2" = 1'-0" S21 | S23



DEMOLITION SECTION C
 Scale: 1/2" = 1'-0" S23 | S23



END POST 1B DEMOLITION PLAN B
 Scale: 1/2" = 1'-0" S23 | S23

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

DRAWING NAME: END POST 1B DEMOLITION PLAN AND ELEVATION PROJECT: INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS PALAILAI TO WAIKANAHE WSP-01 CAL 08-08-18 HAW. GATE PS PROJ. VISIT - 50203 SITE 1B DEMOLITION PLOT TIME: 08-08-18, 8:17 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara

SIGNATURE: _____ EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

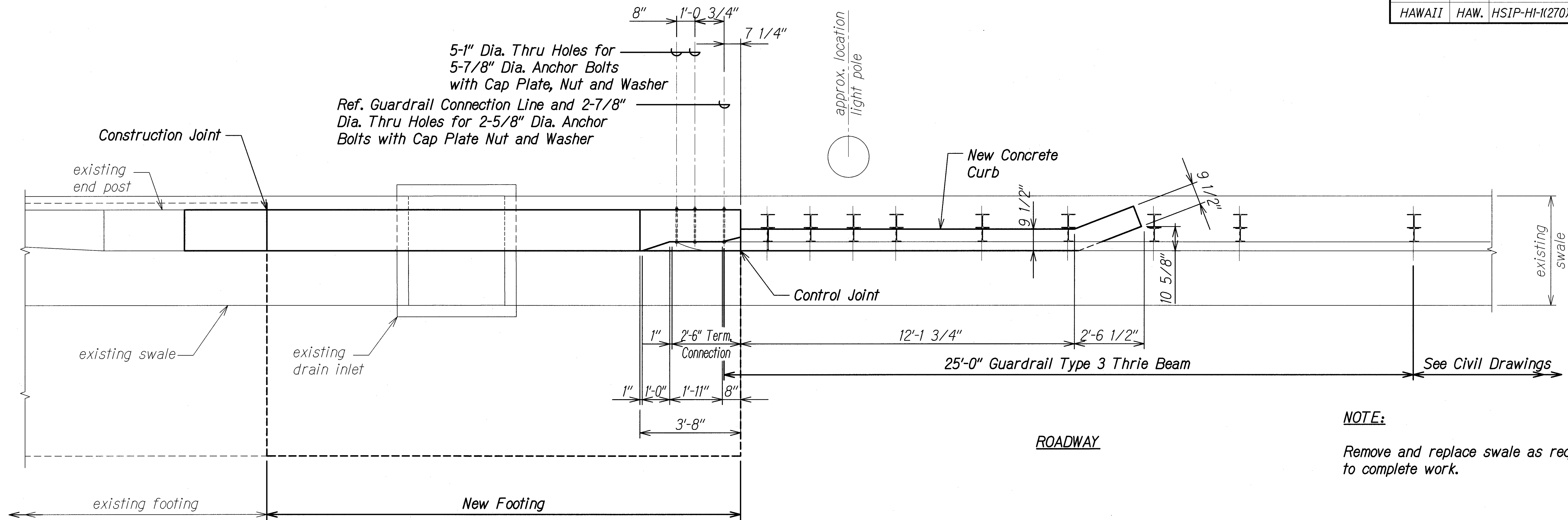
END POST 1B
DEMOLITION PLAN AND ELEVATION

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAIKANAHE OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. S23 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	71	241



NOTE:
Remove and replace swale as required to complete work.

END POST 1B PLAN
Scale: 1/2" = 1'-0"

ORIGINAL PLAN	DATE
NOTE BOOK	DESIGNED BY
No.	QUANTITIES BY
	CHECKED BY

DRAWING NAME: Z:\000\CONCRETE\17-035-HI SAFETY IMPROVEMENTS\PALAILAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY CMIS ES PDC\HSET-S0204 SITE 1B ENDPOST1B.DWG PLOT TIME: 08-08-18 8:18 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
SIGNATURE

4-30-20
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

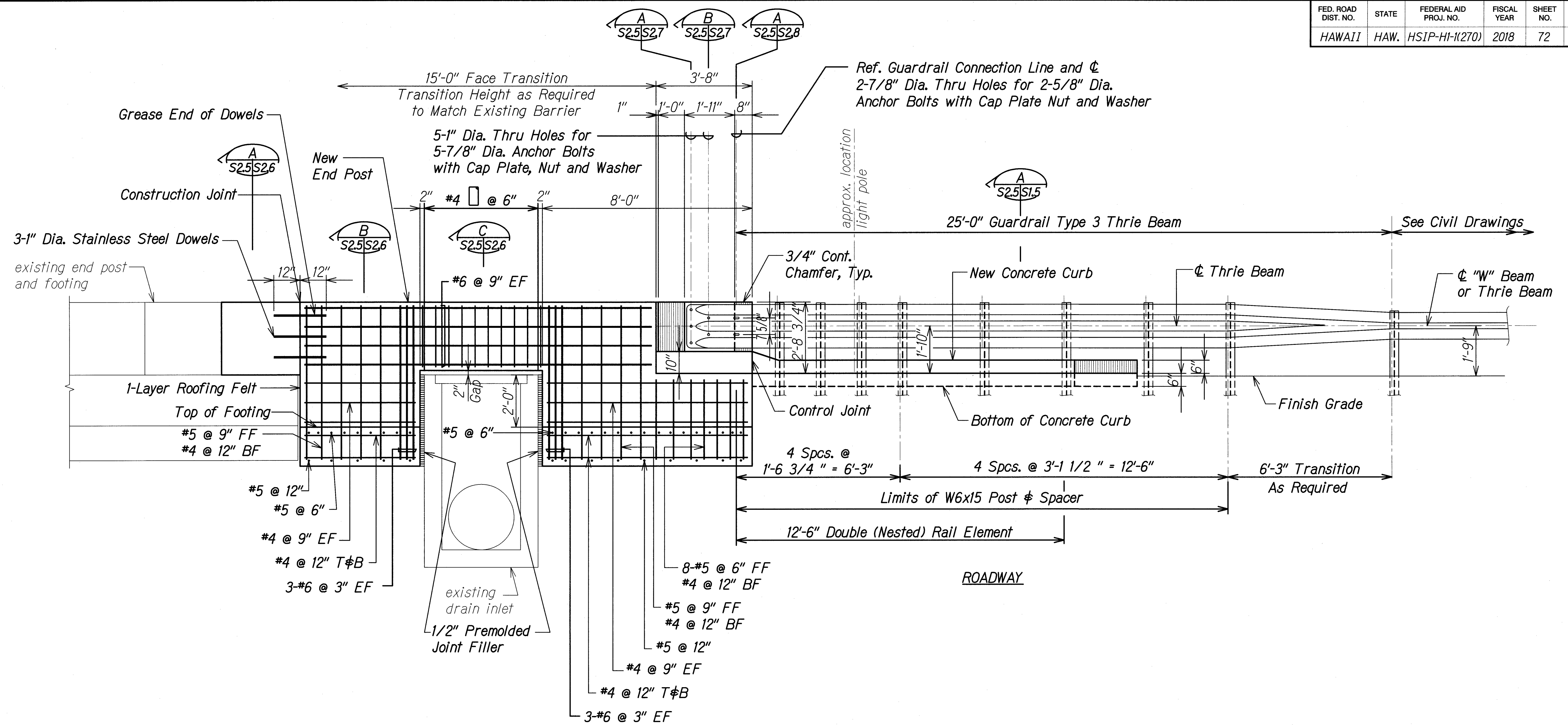
**END POST 1B
PLAN**

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAIAWA OVERPASS
FAP NO. HSIP-HI-1(270)**

Scale: As Noted Date: July 26, 2018

SHEET No. S24 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	72	241




END POST 1B ELEVATION
Scale: 1/2" = 1'-0"

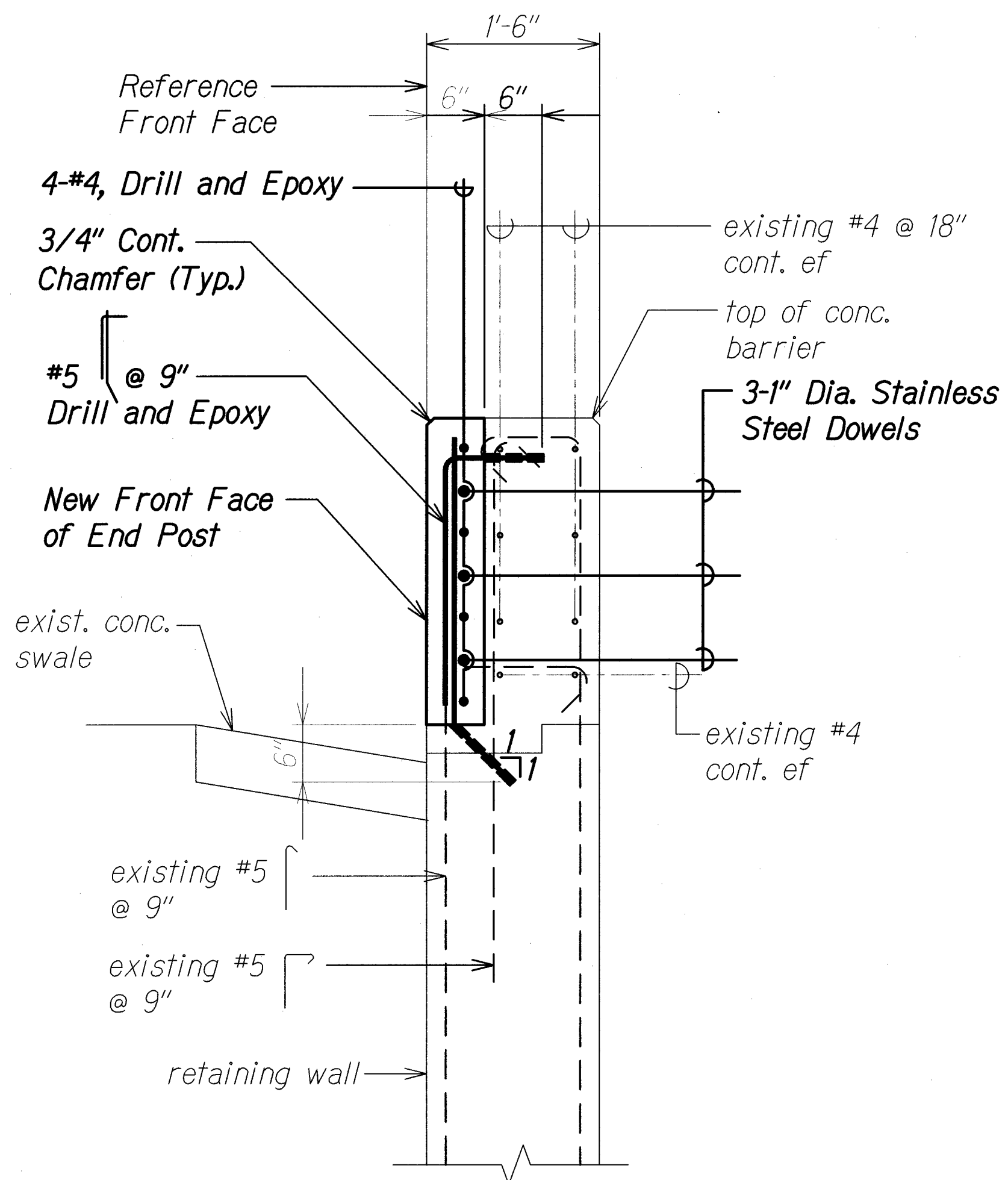
A
S2.5 S2.5

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

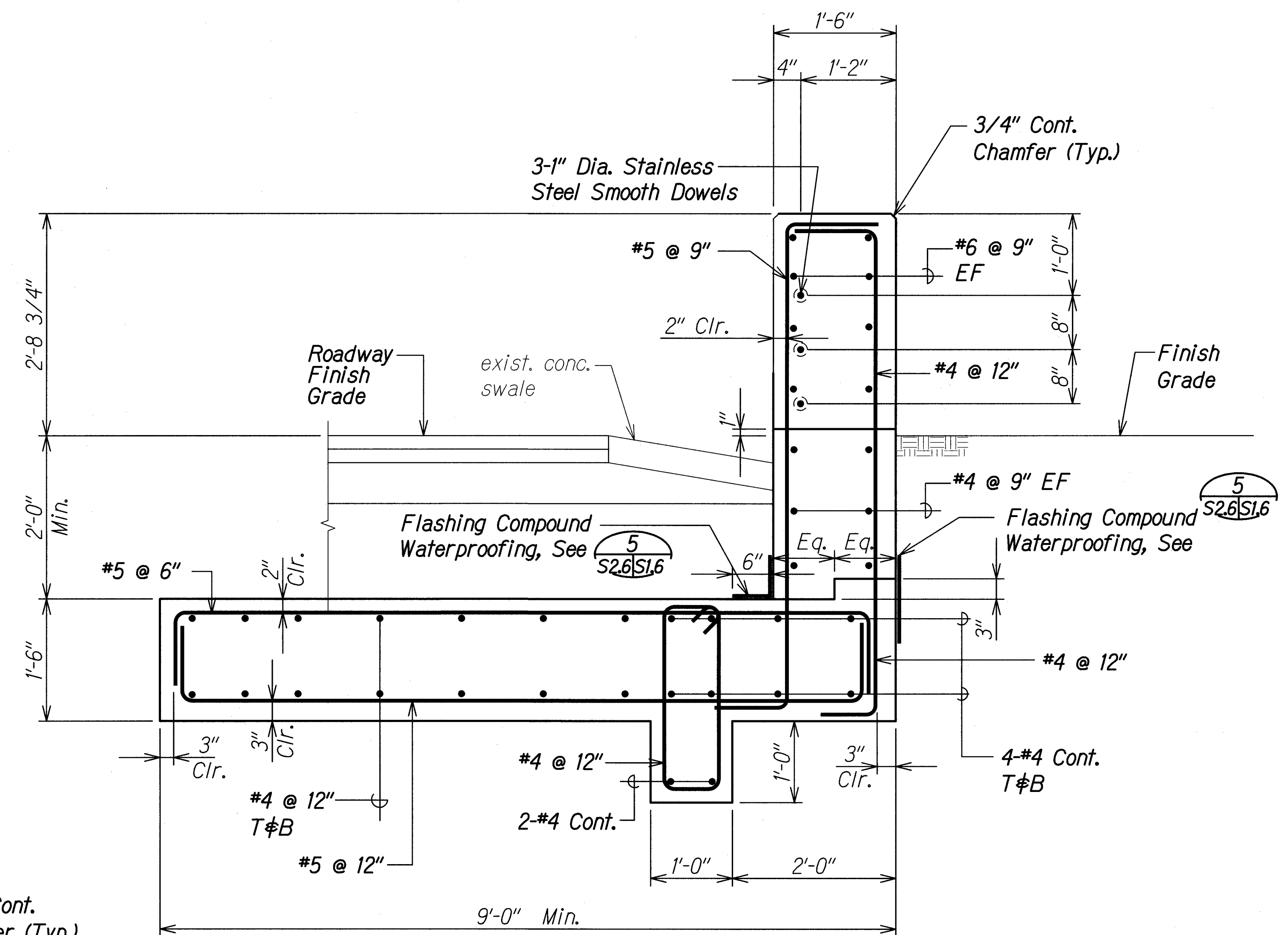
DRAWING NAME: 2A-02 ONCONV17-015-HI SAFETY IMPROVEMENTS PALAILAI IC-WAIAWA-WEP-01 CAD: 08-08-18 HWY CMTS ES: PDA/HIST-50204 SITE: 1B ENDPOST1BWS PLOT TIME: 08-08-18 8:19 AM

 <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>Calvin T. Miyahara</i></p> <p>SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-20</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p>END POST 1B ELEVATION</p> <p>INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS PALAILAI INTERCHANGE TO WAIANA OVERPASS FAP NO. HSIP-HI-1(270)</p>	
	Scale: As Noted	Date: July 26, 2018
	SHEET No. S25 OF 8 SHEETS	
	72	

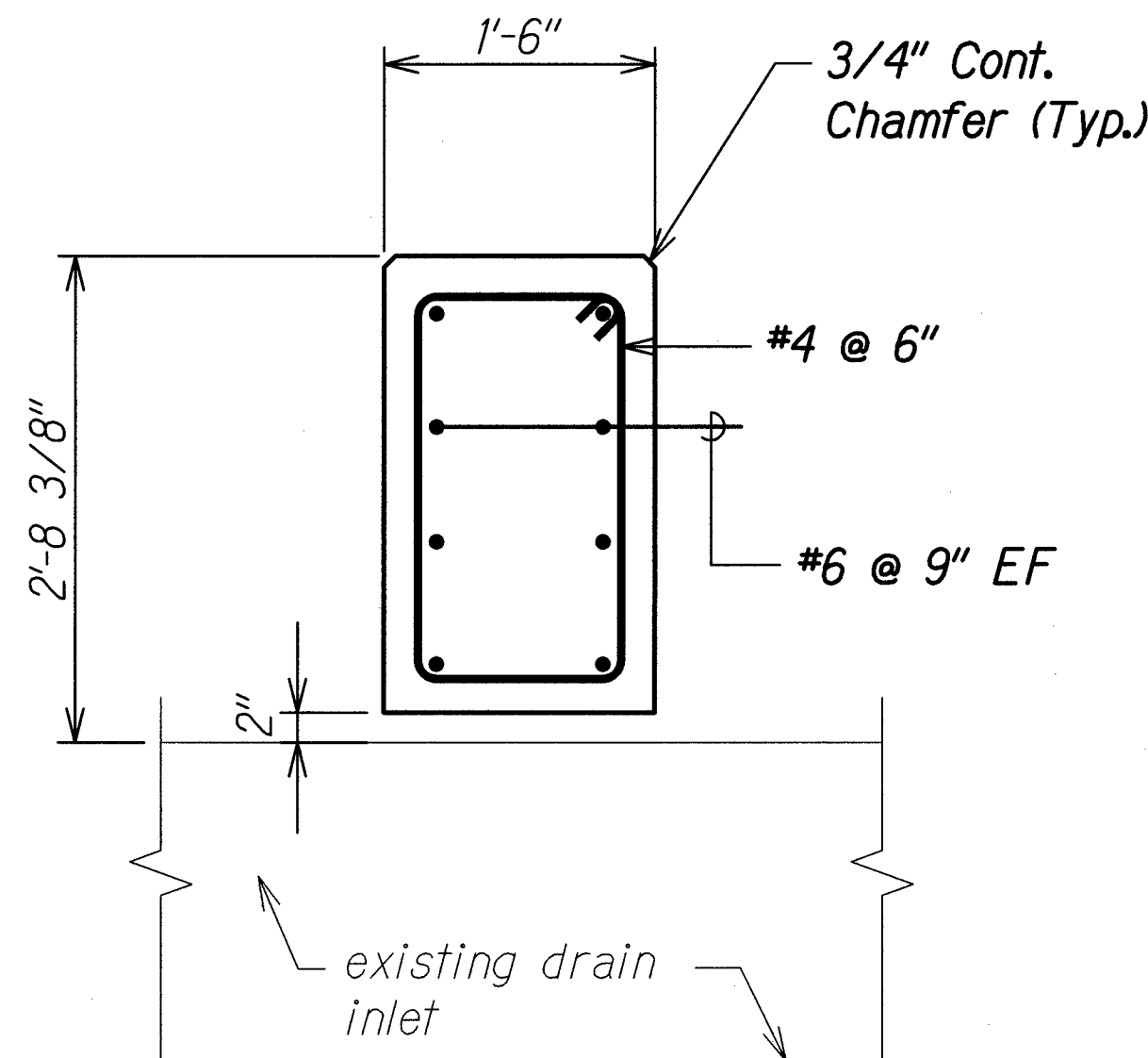
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	73	241



SECTION A
Scale: 1" = 1'-0"
S2.5 S2.6



SECTION B
Scale: 1" = 1'-0"
S2.5 S2.6



SECTION C
Scale: 1" = 1'-0"
S2.5 S2.6

ORIGINAL PLAN	DATE
NOTE BOOK	DESIGNED BY
QUANTITIES BY	CHECKED BY
No.	

DRAWING NAME: Z:\000\CONCRETE\17-035-HI SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY DMS ES-PALALAI-50204 SITE 1B ENDPOST.DWG PLOT TIME: 08-08-18 8:19 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

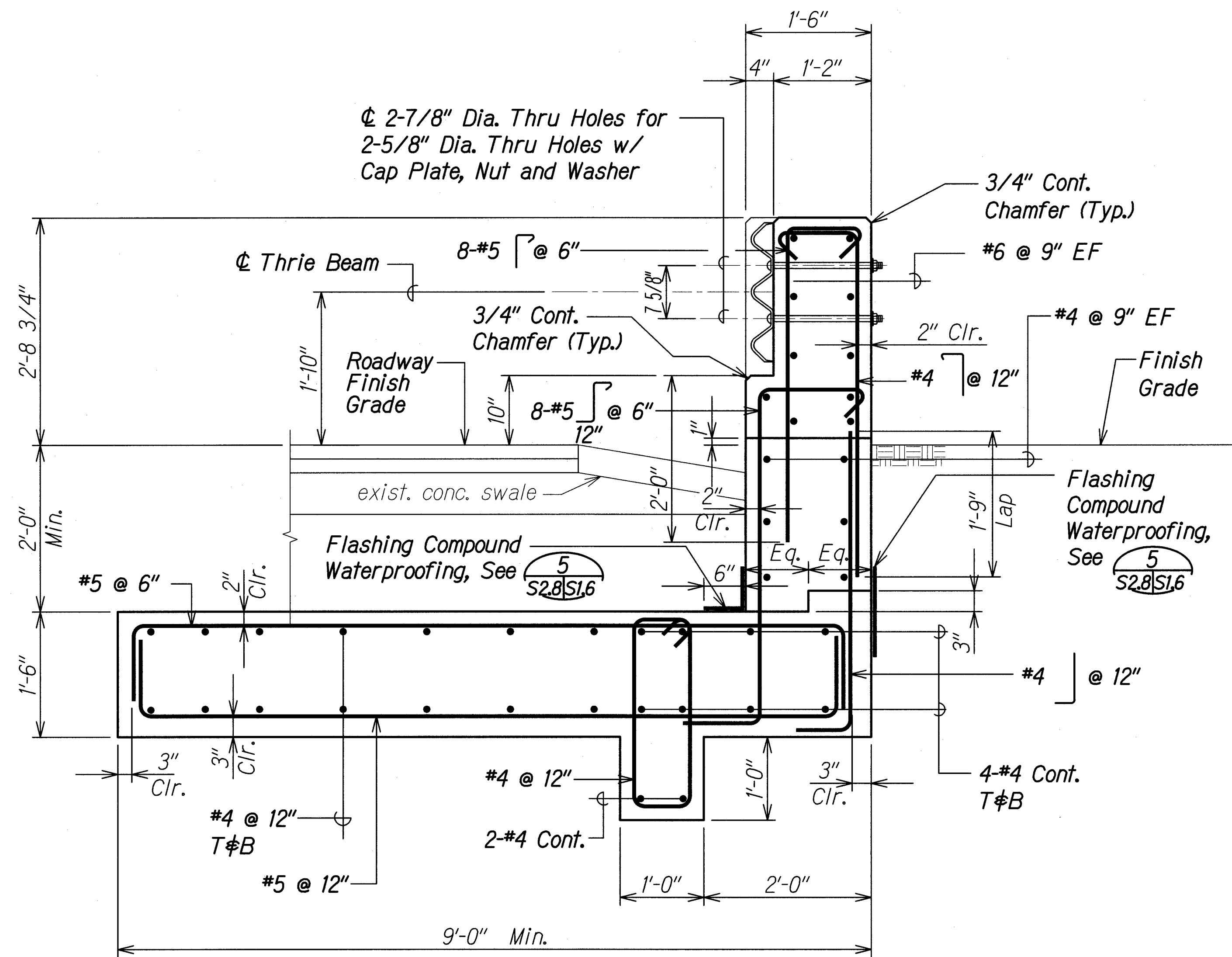
END POST 1B
SECTIONS

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. S26 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	75	241



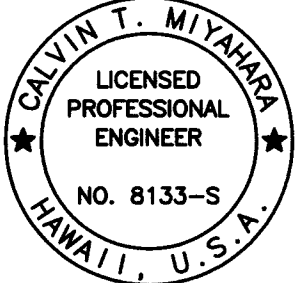
SECTION
Scale: 1" = 1'-0" A
S2.5 S2.8

NOTE:

See Sheet S1.5 for additional details.

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

DRAWING NAME: 21-03 ON-CONV-17-035-HI SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-WSP-01 CAD:08-08-18 HWY DATE: 15 PLOT:11/11/18 S2024 SITE: 1B ENDPOST:1BWS PLOT TIME: 08-08-18, 8:20 AM



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
SIGNATURE

4-30-20
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

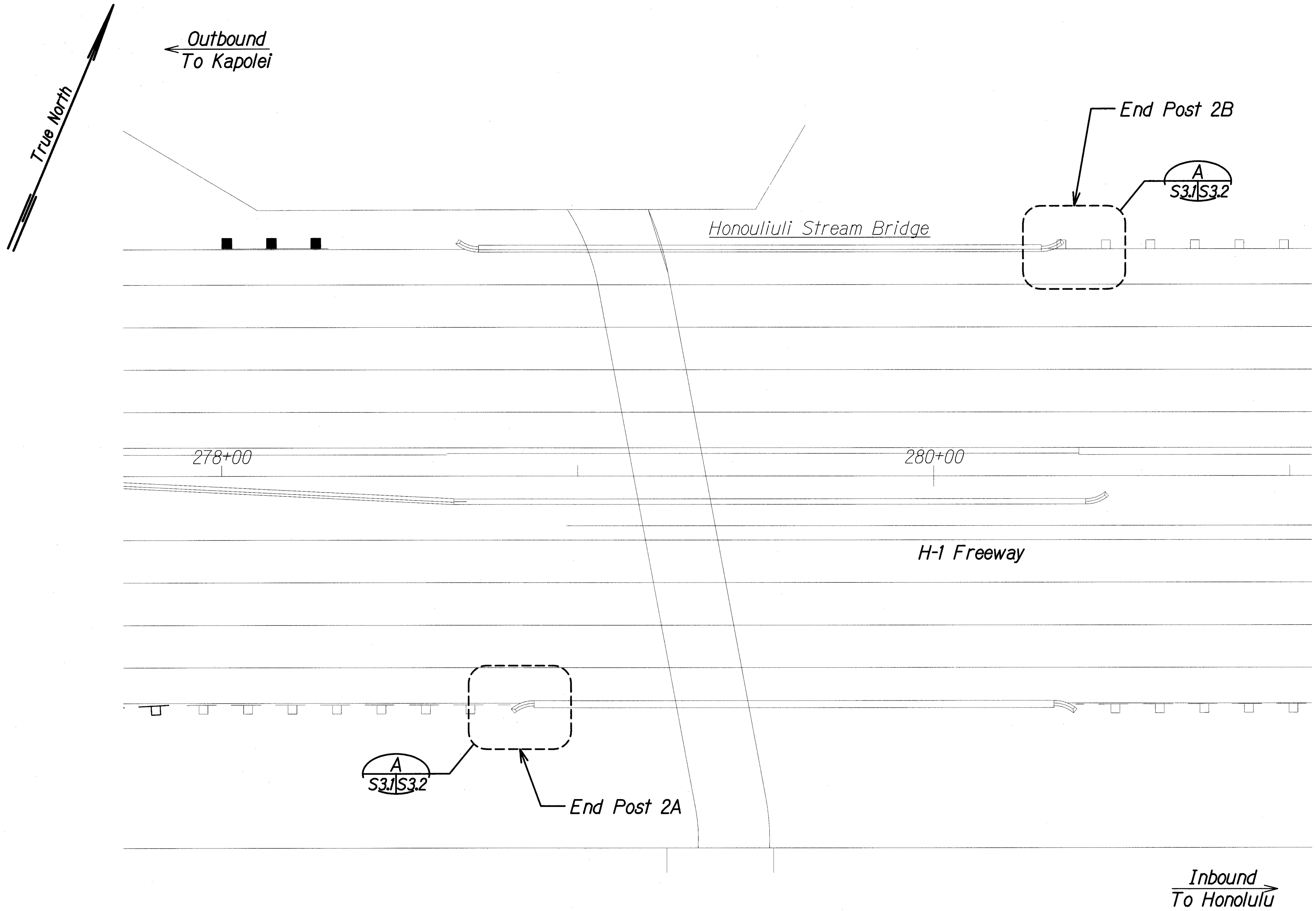
END POST 1B
SECTIONS AND DETAIL

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIAWA OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. S2.8 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	76	241



SITE 2 LAYOUT PLAN
Scale: 1" = 20'-0"

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

DRAWING NAME: 2A-02 ON-ON-17-025-HI SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-WSP-01 CAD:08-08-18 HWY CUTS FS-PBT/VISIT-50303 SITE02 PLAN.DWG PLOT TIME: 08-08-18 8:20 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
SIGNATURE

4-30-20
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

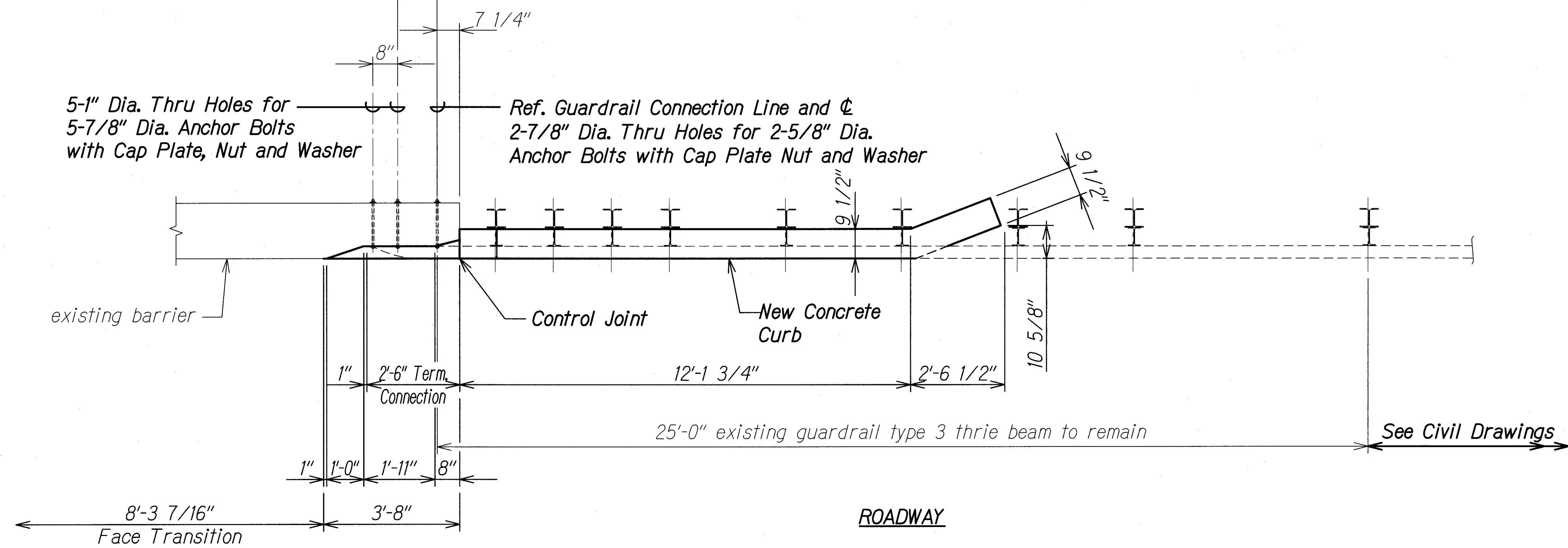
SITE 2 LAYOUT PLAN

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIAWA OVERPASS
FAP NO. HSIP-HI-1(270)

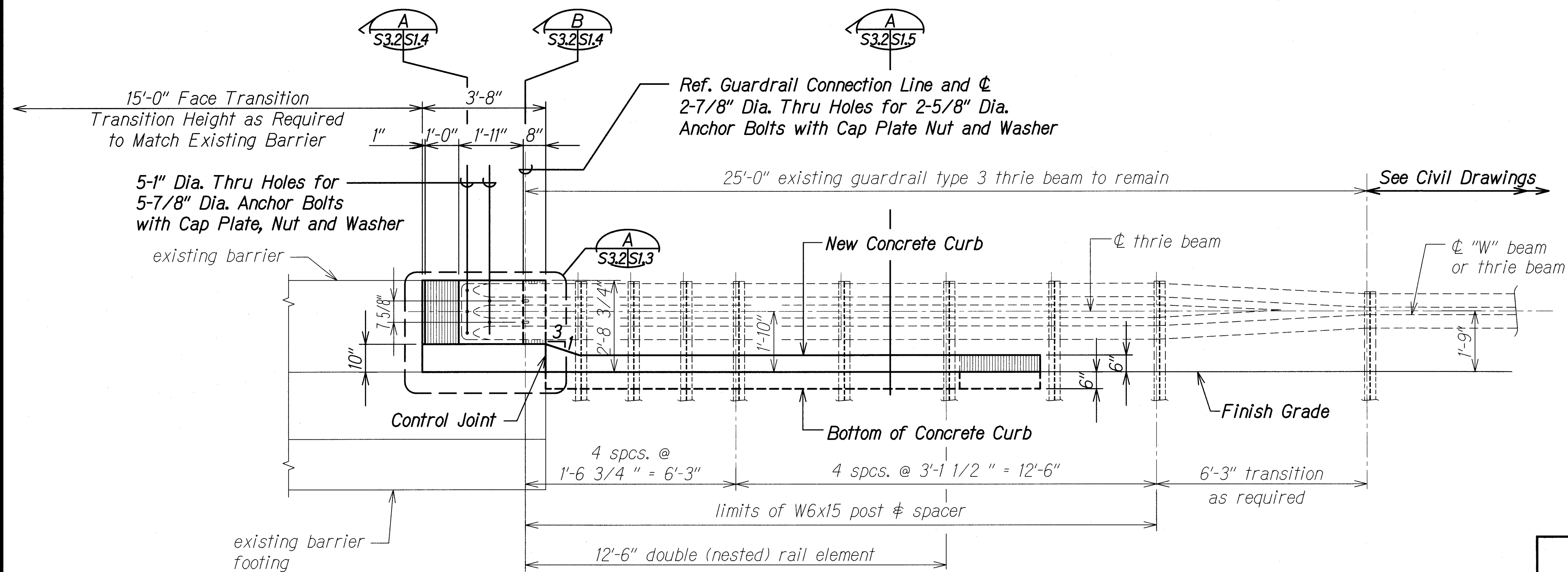
Scale: As Noted Date: July 26, 2018

SHEET No. S3J OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	77	241



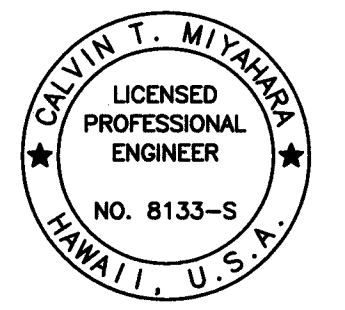

PLAN
Scale: 1/2" = 1'-0" S3.1 S3.2



ELEVATION
Scale: 1/2" = 1'-0" S3.2 S3.2

NOTE:

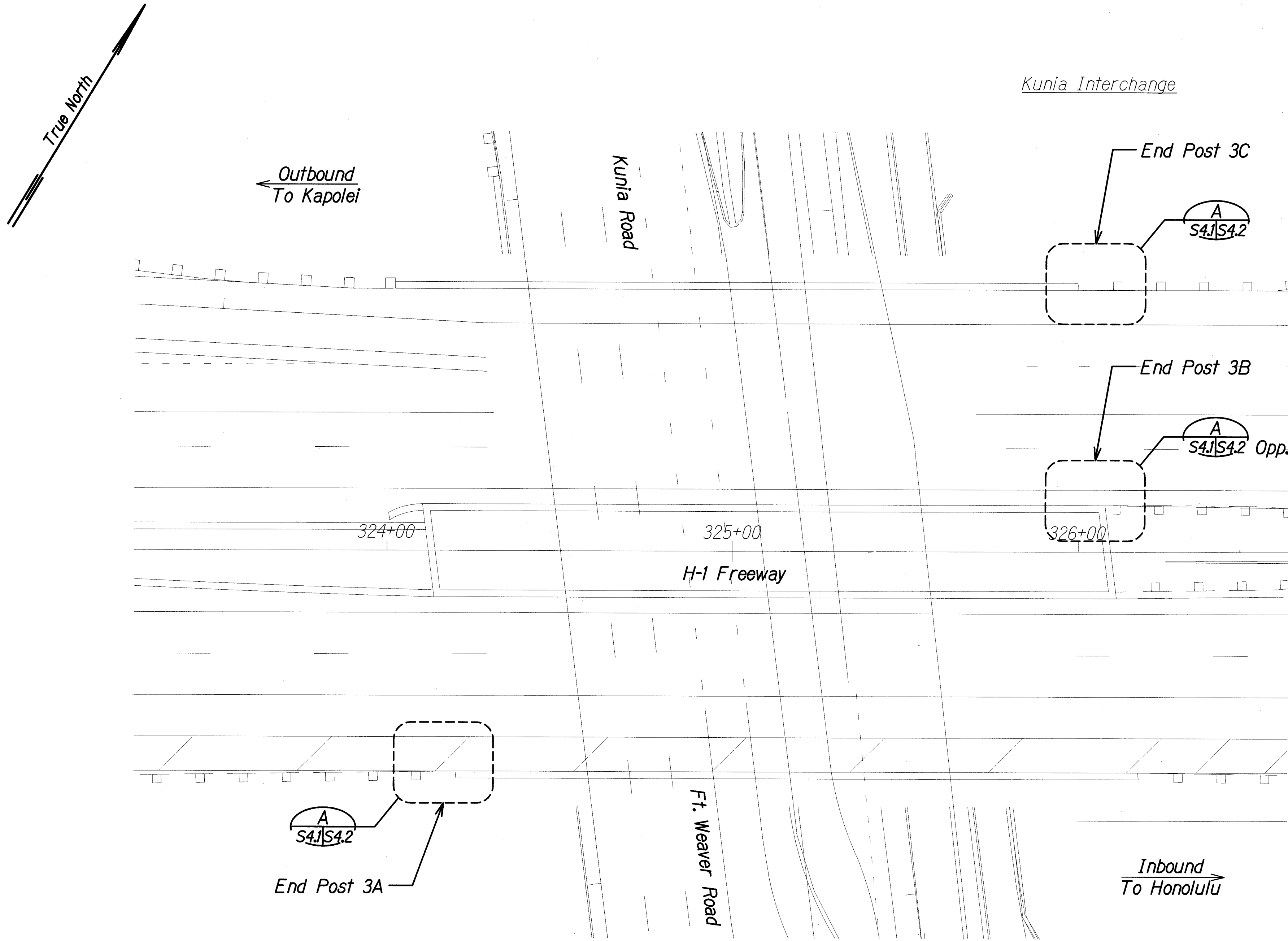
1. All guardrail, guardrail posts, and hardware shall be reused unless otherwise noted.
2. See Sheets S1.1 to S1.5 for demolition and new end post details.

 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. SIGNATURE:  EXPIRATION DATE OF THE LICENSE: 4-30-20	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION SITE 2 END POST PLAN AND ELEVATION INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS PALAILAI INTERCHANGE TO WAIKAWA OVERPASS FAP NO. HSIP-HI-1(270) Scale: As Noted Date: July 26, 2018
	SHEET No. 332 OF 2 SHEETS
	77

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

DRAWING NAME: 2A-00 ONCONV17-035-H1 SAFETY IMPROVEMENTS PALAILAI IC-WAIAWA-WAY01 CAD:08-08-18 HWY:015 SITE:02 UPGRADE CWS PLOT TIME: 08-08-18 8:21 AM

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	78	241



SITE 3 - LAYOUT PLAN
 Scale: 1" = 20'-0"

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	
NO.	

DRAWING NAME: Z:\00 ONGOING\17-035-H1 SAFETY IMPROVEMENTS PALALAI (C-WAIAWA-NSP)\01 CAD\05-08-18 HWY CMIS ES PDF\MSET-S0401 SITE 03 PLANDWG... PLOT TIME: 08-08-18, 8:21 AM)

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
 SIGNATURE

4-30-20
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

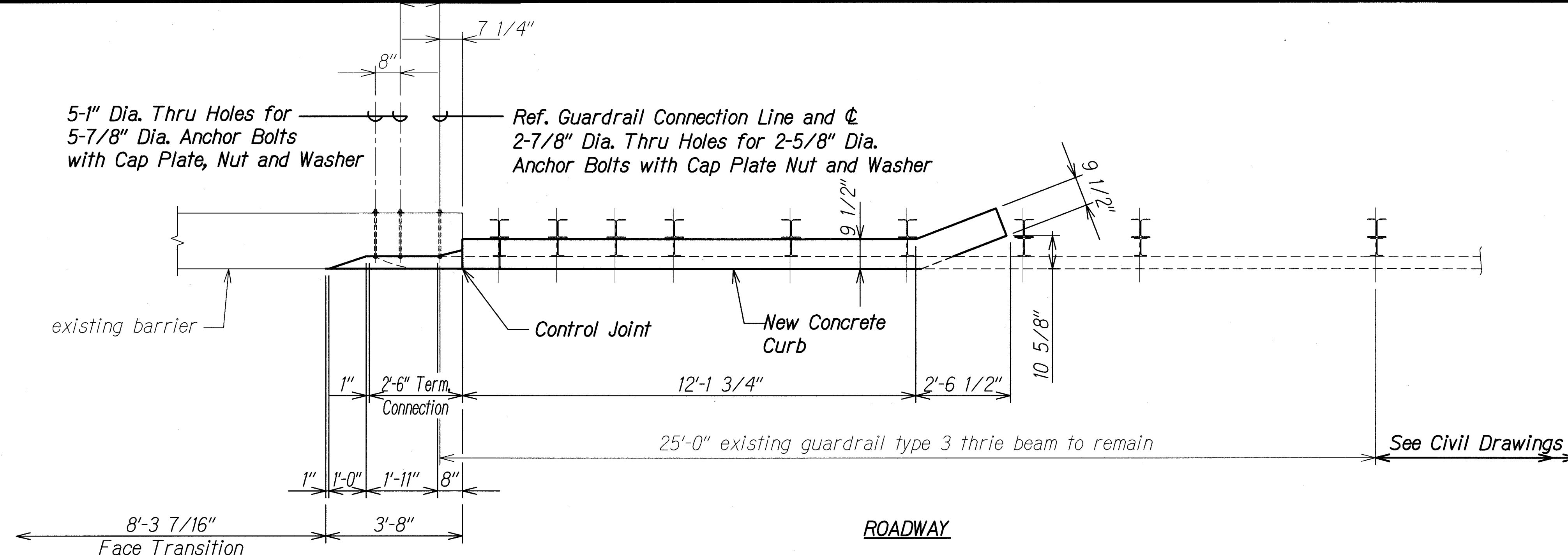
SITE 3 LAYOUT PLAN

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALALAI INTERCHANGE TO WAIAWA OVERPASS
 FAP NO. HSIP-HI-1(270)**

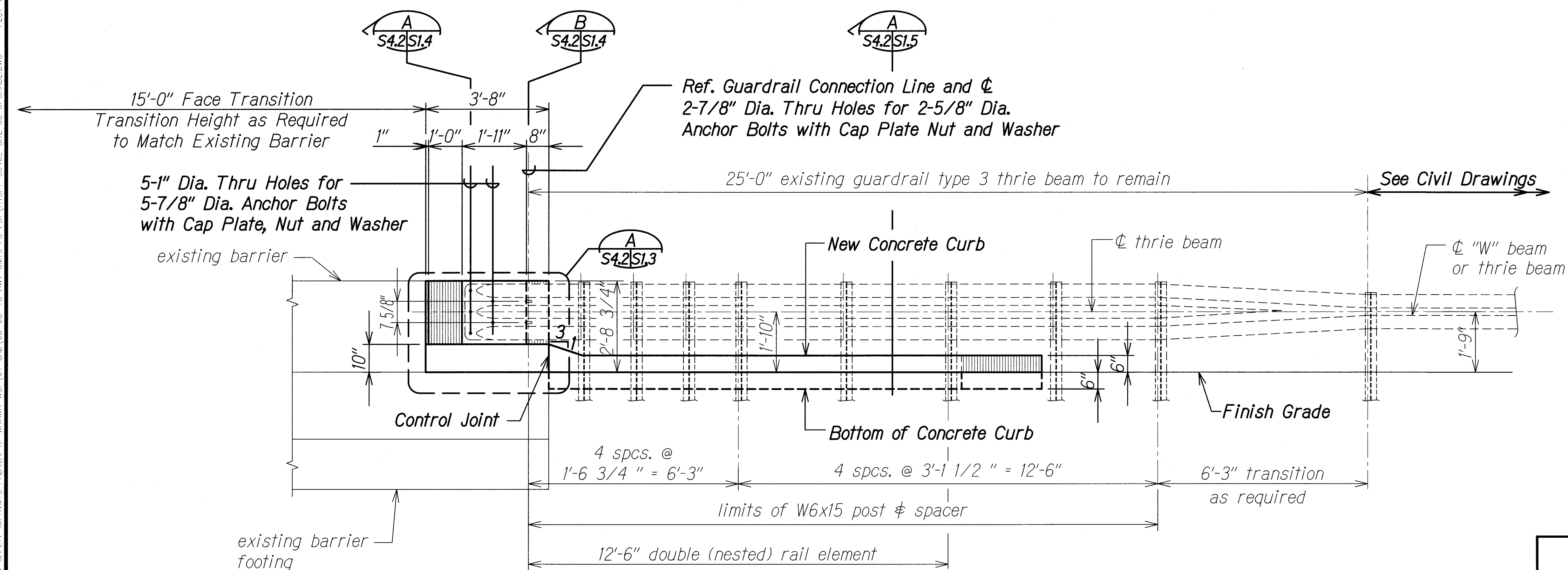
Scale: As Noted Date: July 26, 2018

SHEET No. **S41** OF **2** SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	79	241



PLAN
Scale: 1/2" = 1'-0" S4.1 S4.2



ELEVATION
Scale: 1/2" = 1'-0" S4.2 S4.2

NOTE:

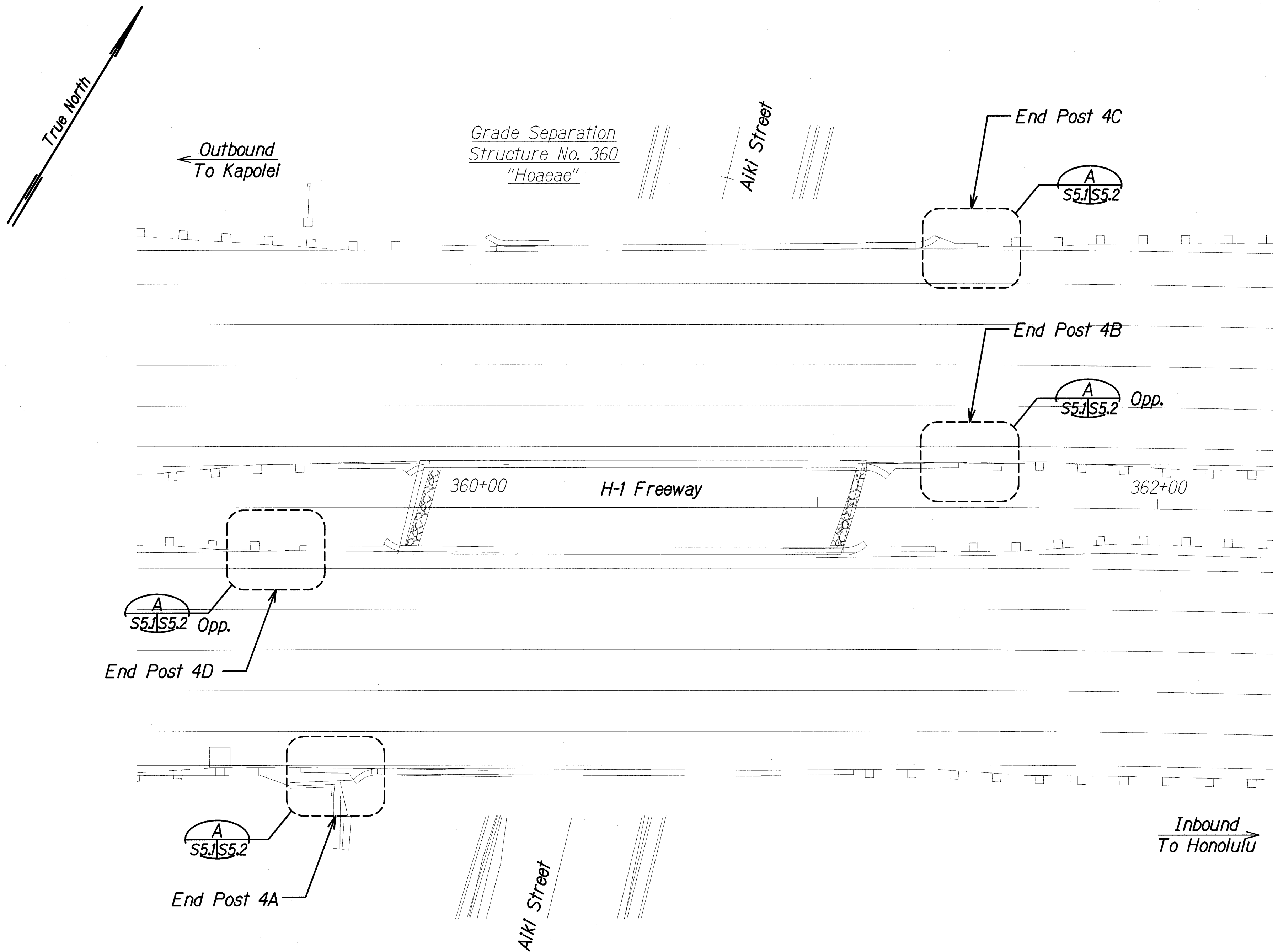
1. All guardrail, guardrail posts, and hardware shall be reused unless otherwise noted.
2. See Sheets S1.1 to S1.5 for demolition and new end post details.

DATE	_____
SURVEYED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

DRAWING NAME: Z:\00 CONCRETE\17-035-HI SAFETY IMPROVEMENTS PALAILAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY CUTS ES PROJECT-S0402 SITE 03 UPGRADE.DWG PLOT TIME: 08-08-18 8:31 AM

<p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>Calvin T. Miyahara</i></p> <p>SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-20</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p>SITE 3 END POST PLAN AND ELEVATION</p> <p>INTERSTATE ROUTE HI SAFETY IMPROVEMENTS PALAILAI INTERCHANGE TO WAIKAWA OVERPASS FAP NO. HSIP-HI-1(270)</p> <p>Scale: As Noted Date: July 26, 2018</p>
	<p>SHEET No. S4.2 OF 2 SHEETS</p>
	<p>79</p>

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	80	241



SITE 4 - LAYOUT PLAN
 Scale: 1" = 20'-0"

ORIGINAL PLAN	DATE
NOTE BOOK	DESIGNED BY
	QUANTITIES BY
	CHECKED BY
No.	

DRAWING NAME: Z:\00.00\CONCRETE\17-035-H1-SAFETY IMPROVEMENTS\PALAILAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY CMIS ES PRE\HSET-50501 SITE 04 PLAN.DWG PLOT TIME: 08-08-18, 8:22 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

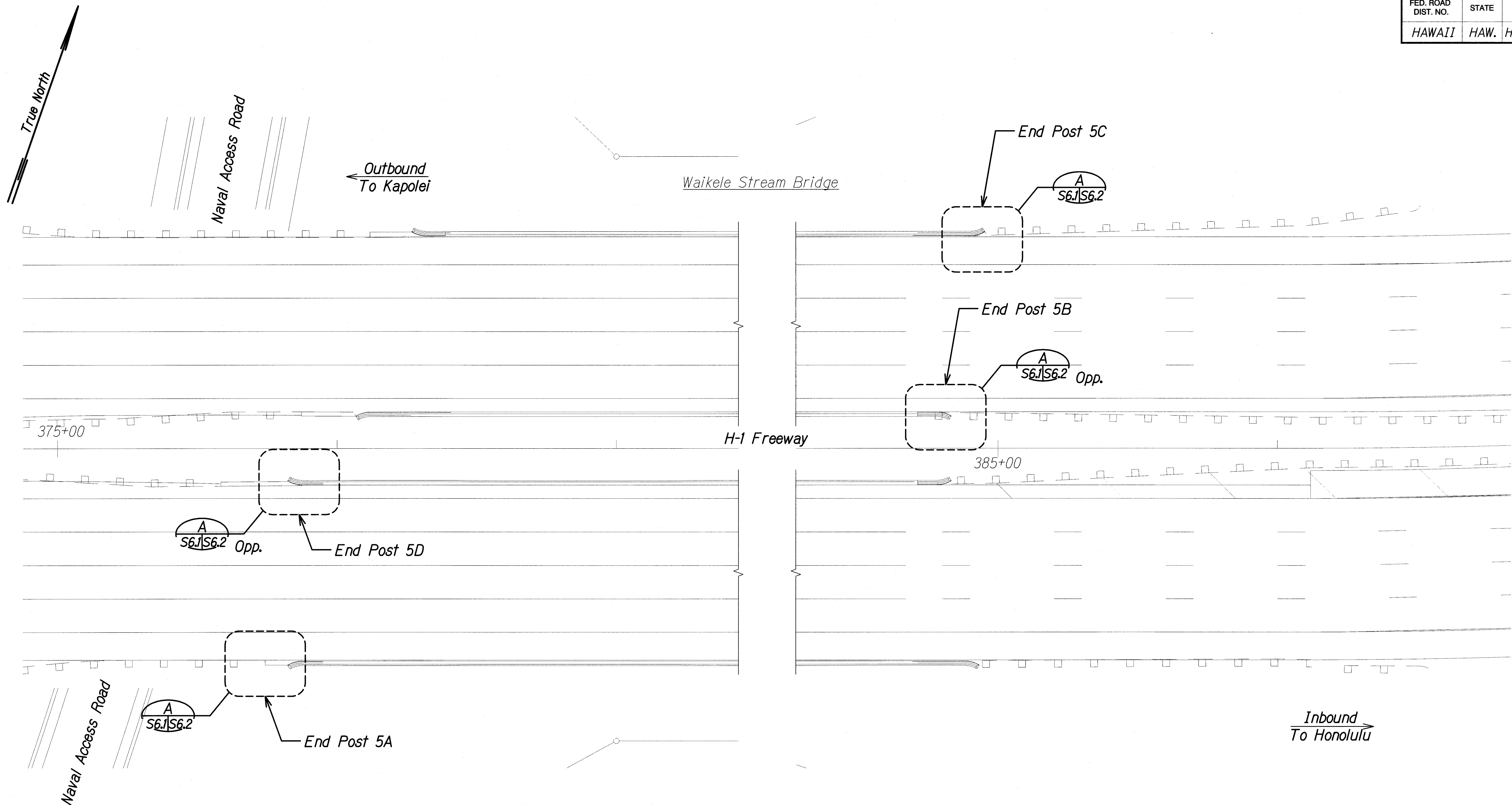
SITE 4 LAYOUT PLAN

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAIAWA OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. 80 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	82	241



SITE 5 - LAYOUT PLAN
 Scale: 1" = 20'-0"

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	
NO.	

DRAWING NAME: Z-100-000000-17-035-HI-SAFETY-IMPROVEMENTS-PALILAI-C-WAIALEALE-NEP-01-CAD-08-08-18-HWK-DITS-ES-PDR-VISIT-50601-STEDES-PLANNING PLOT TIME: 08-08-18, 8:23 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
 SIGNATURE

4-30-20
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

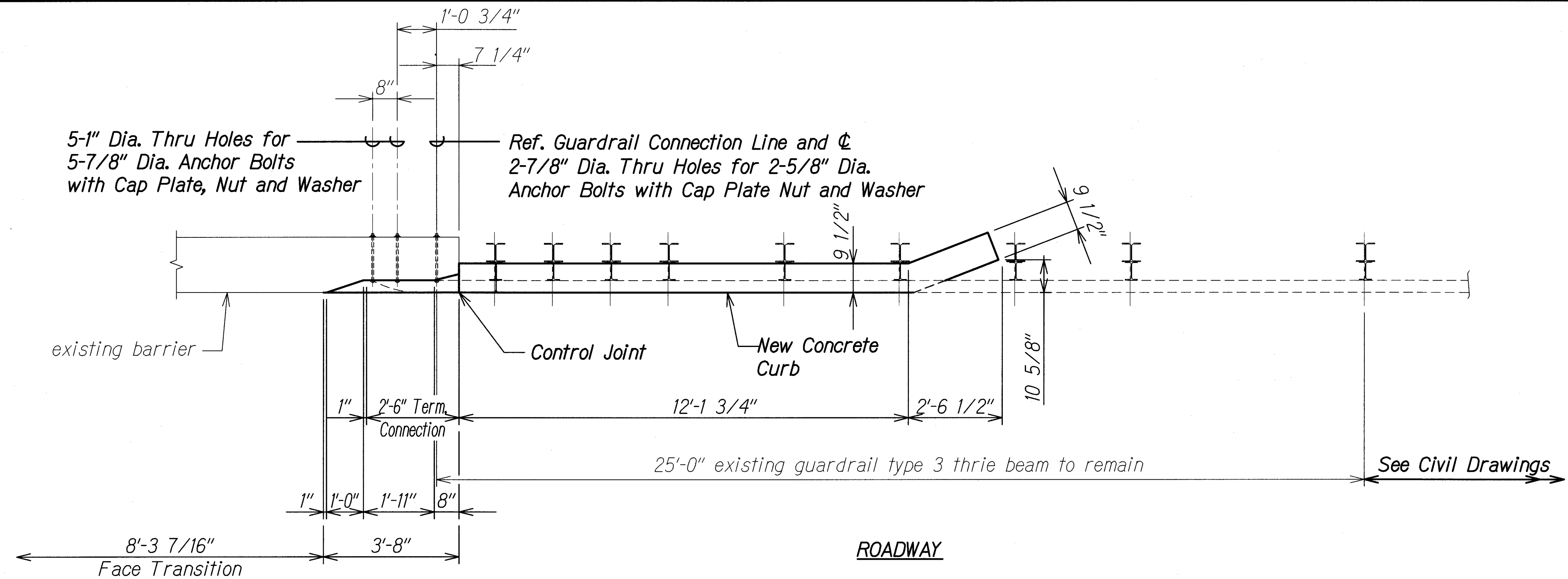
SITE 5 LAYOUT PLAN

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALILAI INTERCHANGE TO WAIKAWA OVERPASS
 FAP NO. HSIP-HI-1(270)**

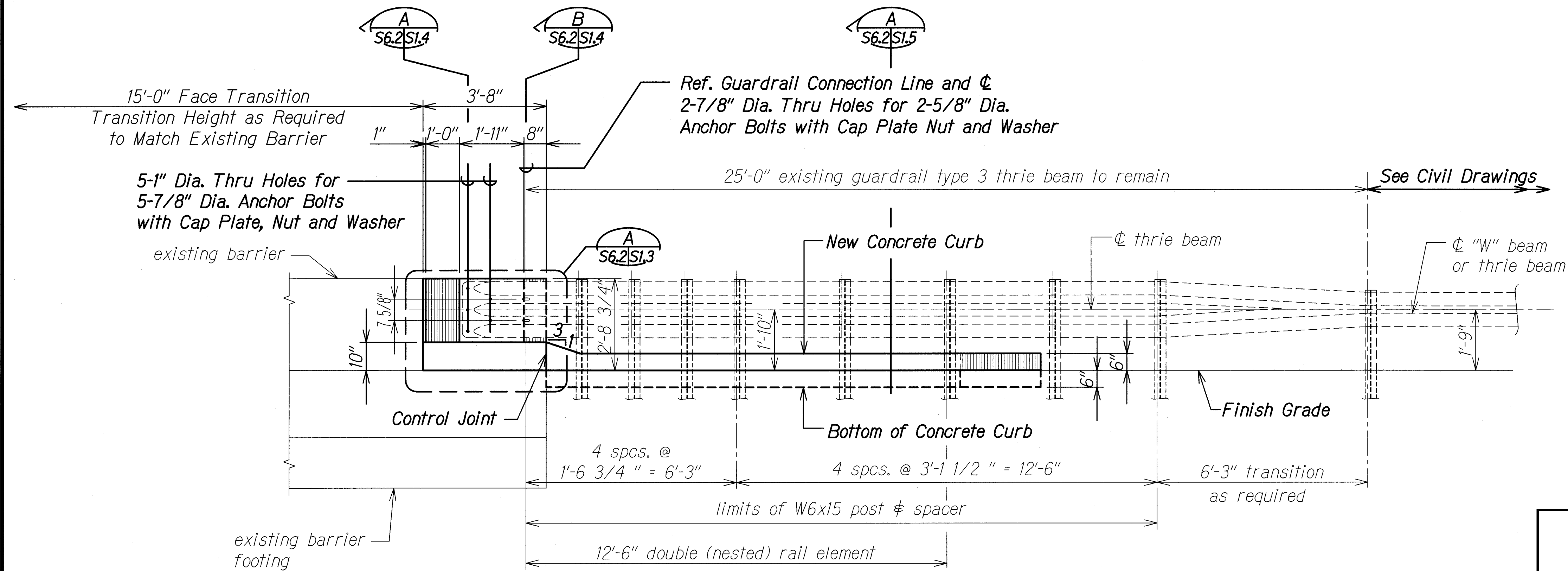
Scale: As Noted Date: July 26, 2018

SHEET No. **S61** OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	83	241



PLAN
Scale: 1/2" = 1'-0" S6.1 S6.2



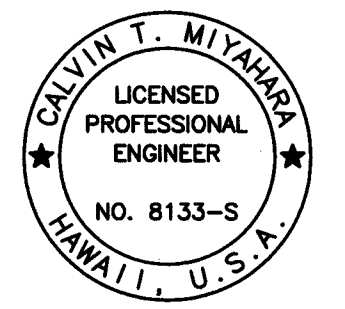
ELEVATION
Scale: 1/2" = 1'-0" S6.2 S6.2

NOTE:

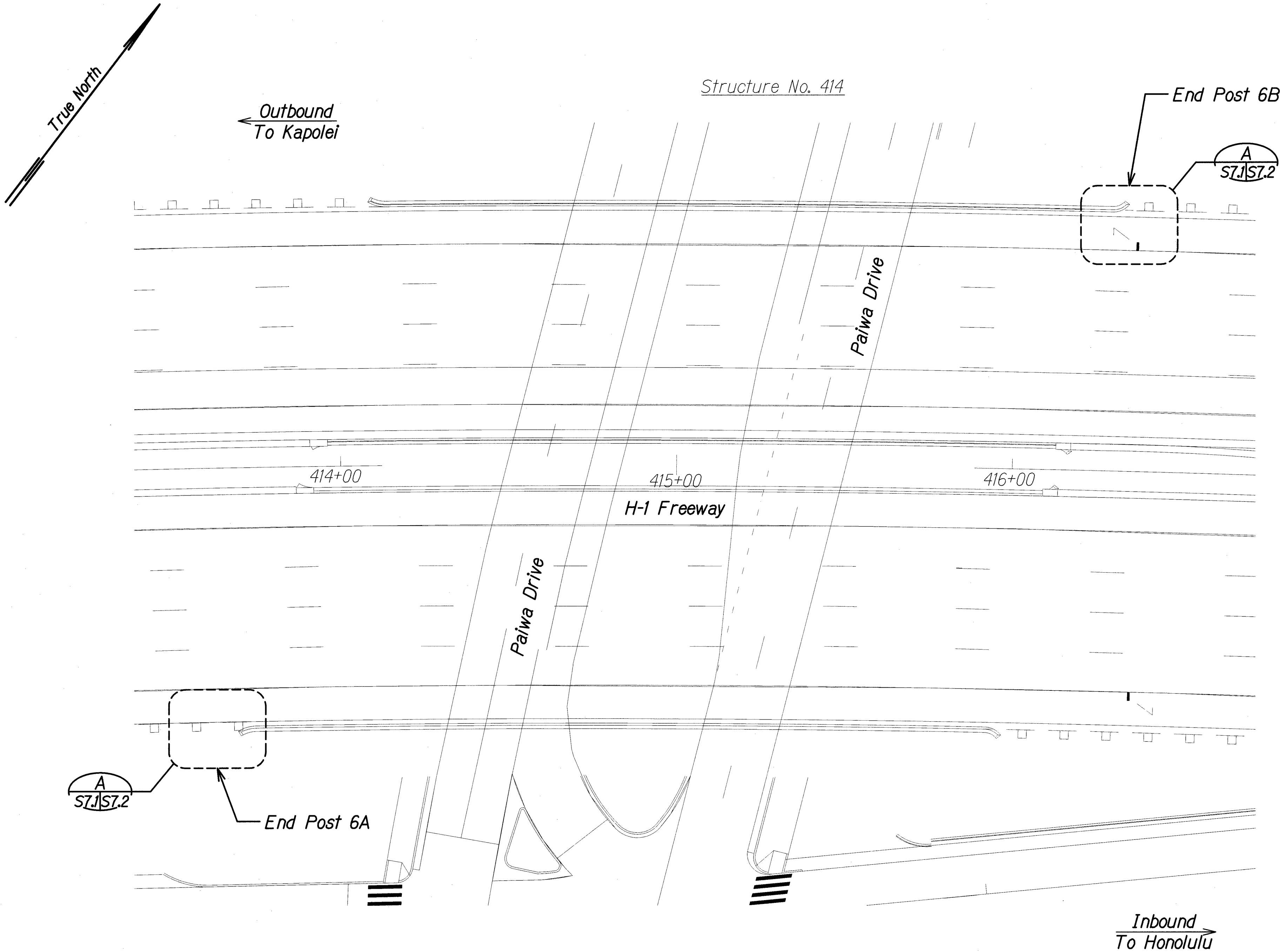
1. All guardrail, guardrail posts, and hardware shall be reused unless otherwise noted.
2. See Sheets S1.1 to S1.5 for demolition and new end post details.

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

DRAWING NAME: 2A-03 ONCONV-17-035-HI SAFETY IMPROVEMENTS PALALAI IC WAIAWA INTER-01 CAD:08-08-18 HW: CMTS ES: PLOT:11/21/2018 5:00:02 PM SITE OF IMPROVEMENTS PLOT TIME: 08-08-18 8:23 AM

 <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p>Signature: <i>Calvin T. Miyahara</i></p> <p>4-30-20</p> <p>EXPIRATION DATE OF THE LICENSE</p>	<p>STATE OF HAWAII</p> <p>DEPARTMENT OF TRANSPORTATION</p> <p>HIGHWAYS DIVISION</p> <p>SITE 5 END POST</p> <p>PLAN AND ELEVATION</p> <p>INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS</p> <p>PALALAI INTERCHANGE TO WAIKAWA OVERPASS</p> <p>FAP NO. HSIP-HI-1(270)</p> <p>Scale: As Noted Date: July 26, 2018</p>
	<p>SHEET No. S6.2 OF 2 SHEETS</p>
	<p>83</p>

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	84	241



SITE 6 - LAYOUT PLAN
 Scale: 1" = 20'-0"

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

DRAWING NAME: Z:\000\CONCRETE\17-035-H1 SAFETY IMPROVEMENTS\PALAILAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY CMTS FS FOR\HISFT-50701 SITE 06 PLAN.DWG PLOT TIME: 08-08-18, 8:24 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-20

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

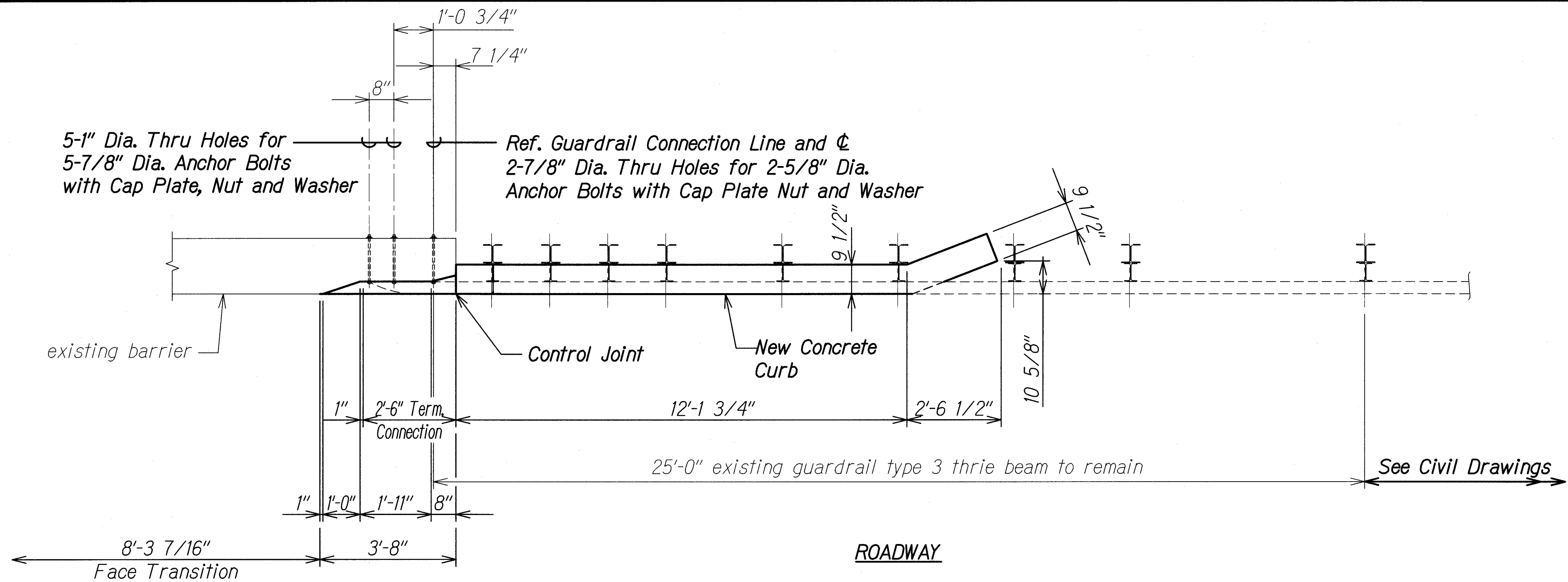
SITE 6 LAYOUT PLAN

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALAILAI INTERCHANGE TO WAIAWA OVERPASS
 FAP NO. HSIP-HI-1(270)**

Scale: As Noted Date: July 26, 2018

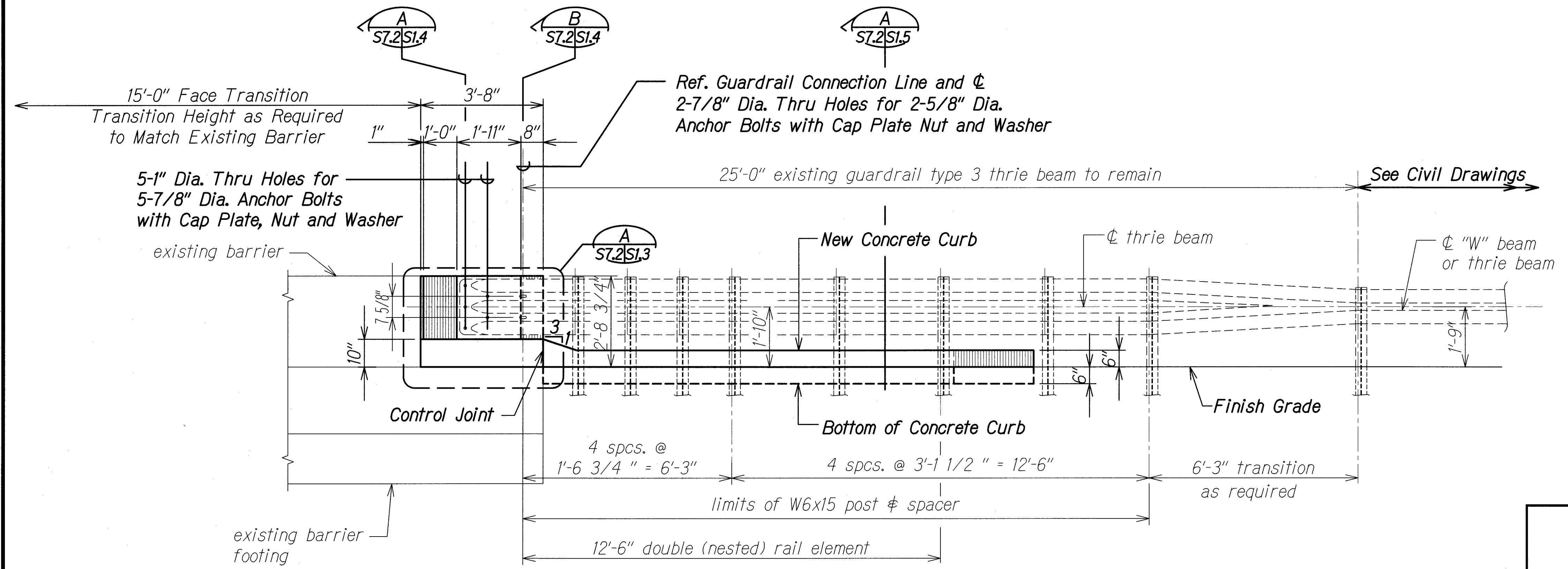
SHEET No. **S7J** OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	85	241



PLAN
Scale: 1/2" = 1'-0" A
S7.1 S7.2

- NOTE:**
1. All guardrail, guardrail posts, and hardware shall be reused unless otherwise noted.
 2. See Sheets S1.1 to S1.5 for demolition and new end post details.



ELEVATION
Scale: 1/2" = 1'-0" B
S7.2 S7.2

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

DRAWING NAME: ZAVB DONGCANG17-035-H1-SHEEY IMPROVING PALALAI IC-WAIAWA-INTERCHG SITE OF UPGRADE/HSIP PROJ. TIME: 08-08-18, 8:24 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE 6 END POST
PLAN AND ELEVATION

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIAWA OVERPASS
FAP NO. HSIP-HI-1(270)

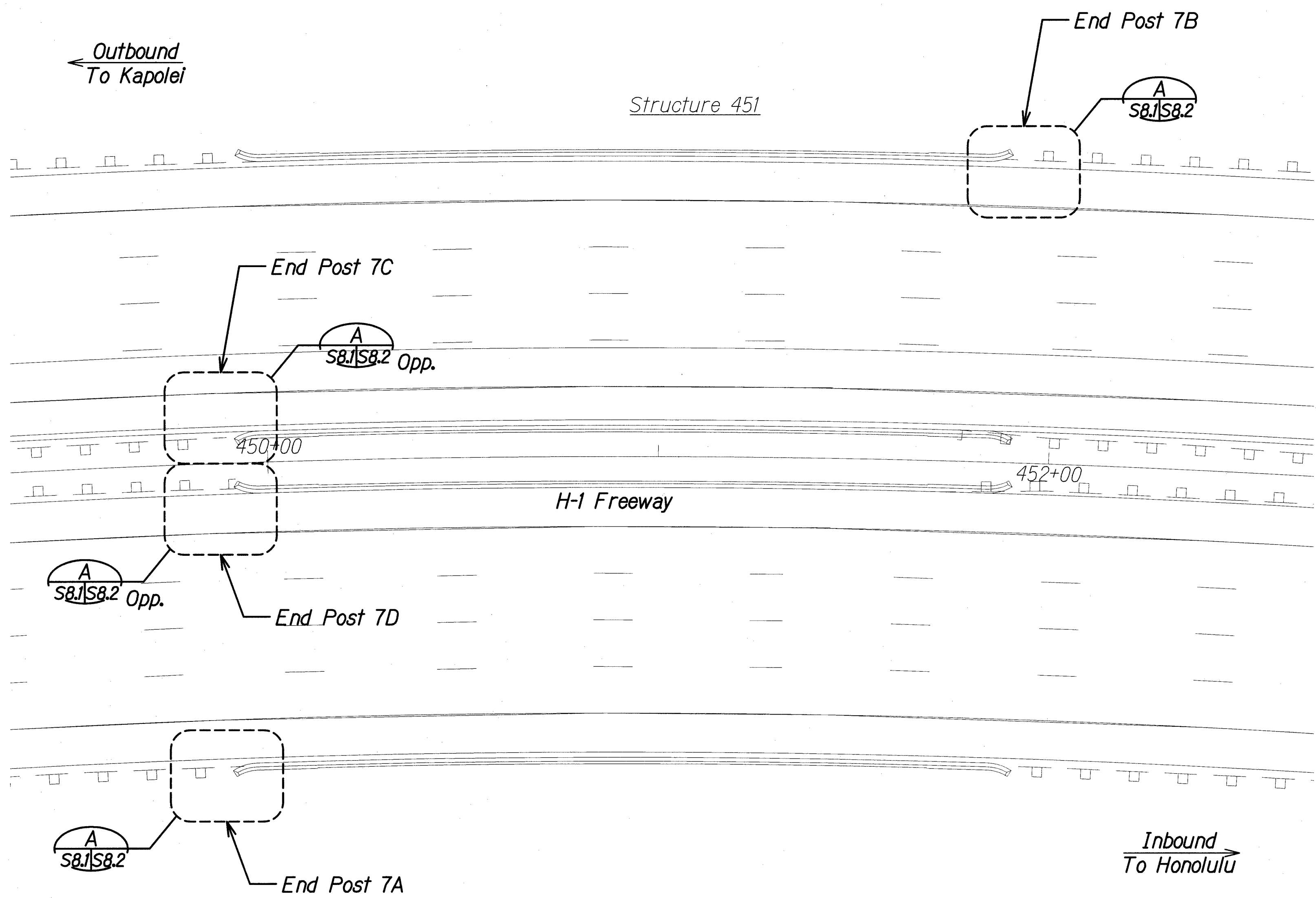
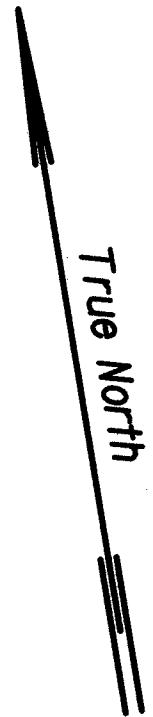
Scale: As Noted Date: July 26, 2018

SHEET No. **S7.2** OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	86	241

DRAWING NAME: Z:\100 DND\017-035 HI SAFETY IMPROVEMENTS PALAILAI (IC-WAIAWA-WSR)01 CAD\08-08-18 HWY CMTS FS PDF\HSIP-S0801 SITE 07 PLANDWG PLOT TIME: 08-08-18, 8:25 AM

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



SITE 7 - LAYOUT PLAN
Scale: 1" = 20'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE 7 LAYOUT PLAN

**INTERSTATE ROUTE HI SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAI'AWA OVERPASS
FAP NO. HSIP-HI-1(270)**

Scale: As Noted Date: July 26, 2018

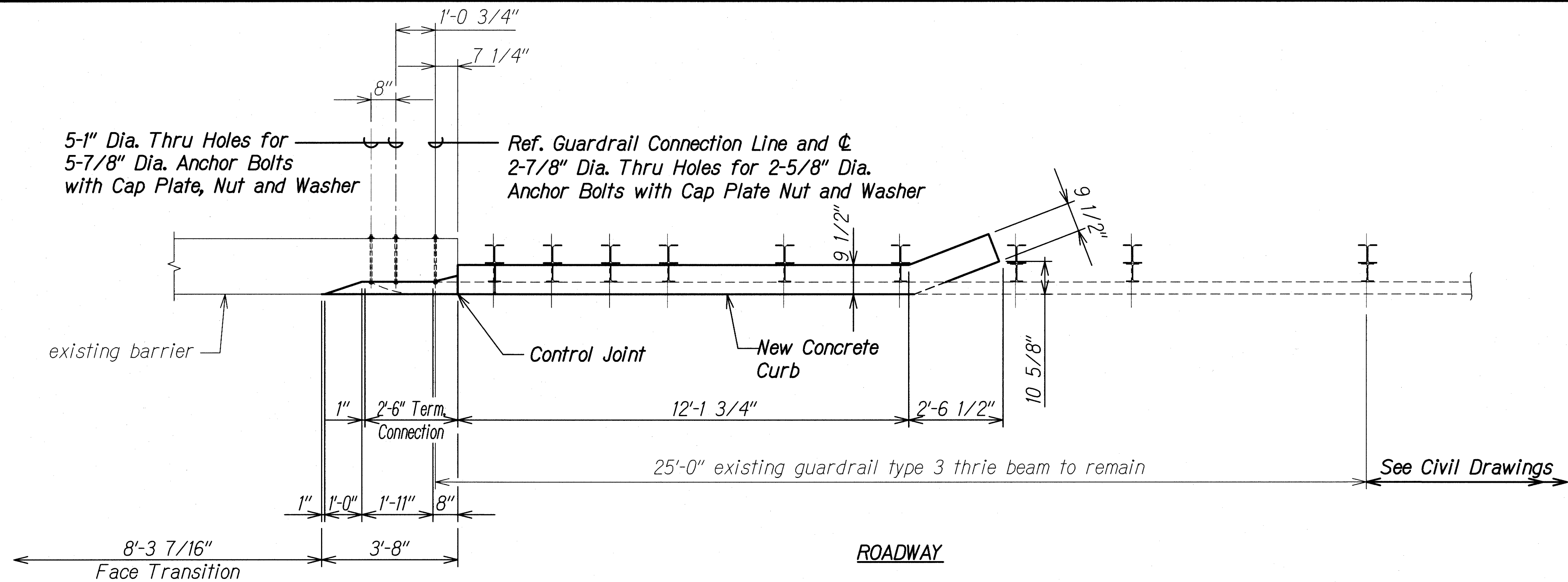
SHEET No. **S81** OF 2 SHEETS

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

[Signature]

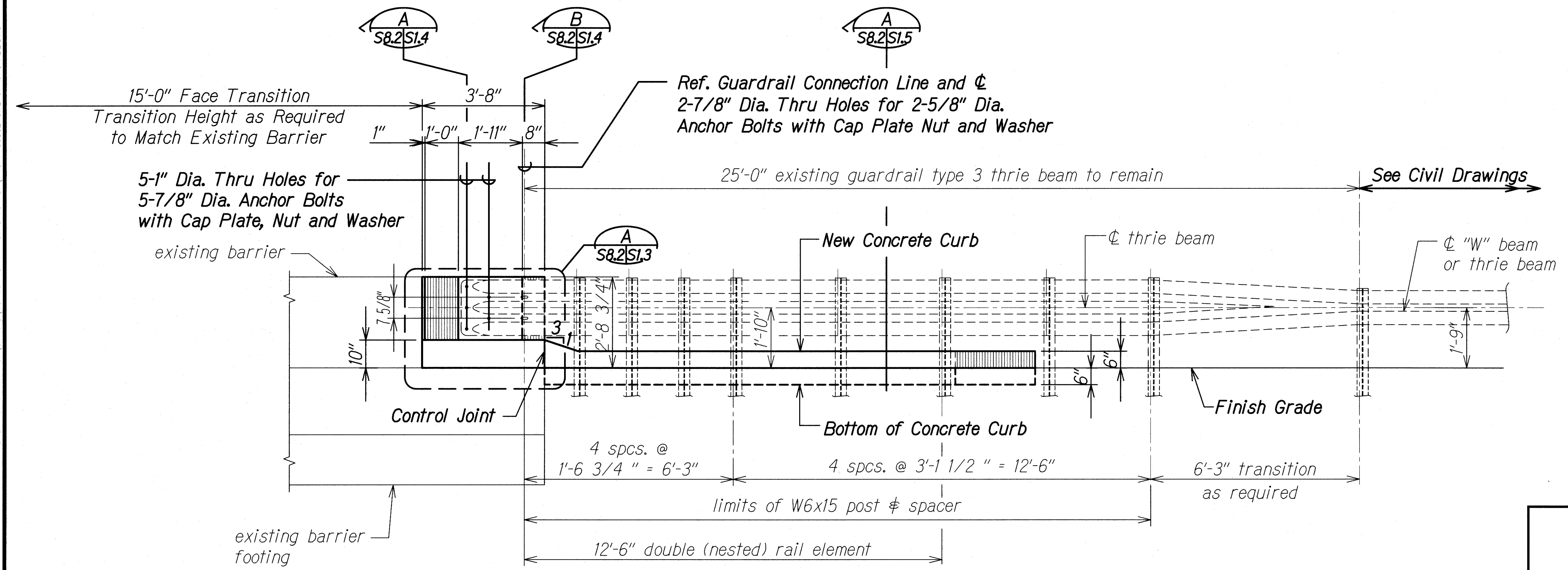
SIGNATURE EXPIRATION DATE OF THE LICENSE

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	87	241



PLAN
Scale: 1/2" = 1'-0" S8.1 | S8.2

- NOTE:**
1. All guardrail, guardrail posts, and hardware shall be reused unless otherwise noted.
 2. See Sheets S1.1 to S1.5 for demolition and new end post details.



ELEVATION
Scale: 1/2" = 1'-0" S8.2 | S8.2

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

DRAWING NAME: 23-00-000001-17-005-HI SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-WSIP-01 CAD: 08-08-18 HW: DMS PS: PDA/MSIT-50802 SITE 07 UPGRADE/LWS PLOT TIME: 08-08-18 8:25 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *[Signature]* 4-30-20

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

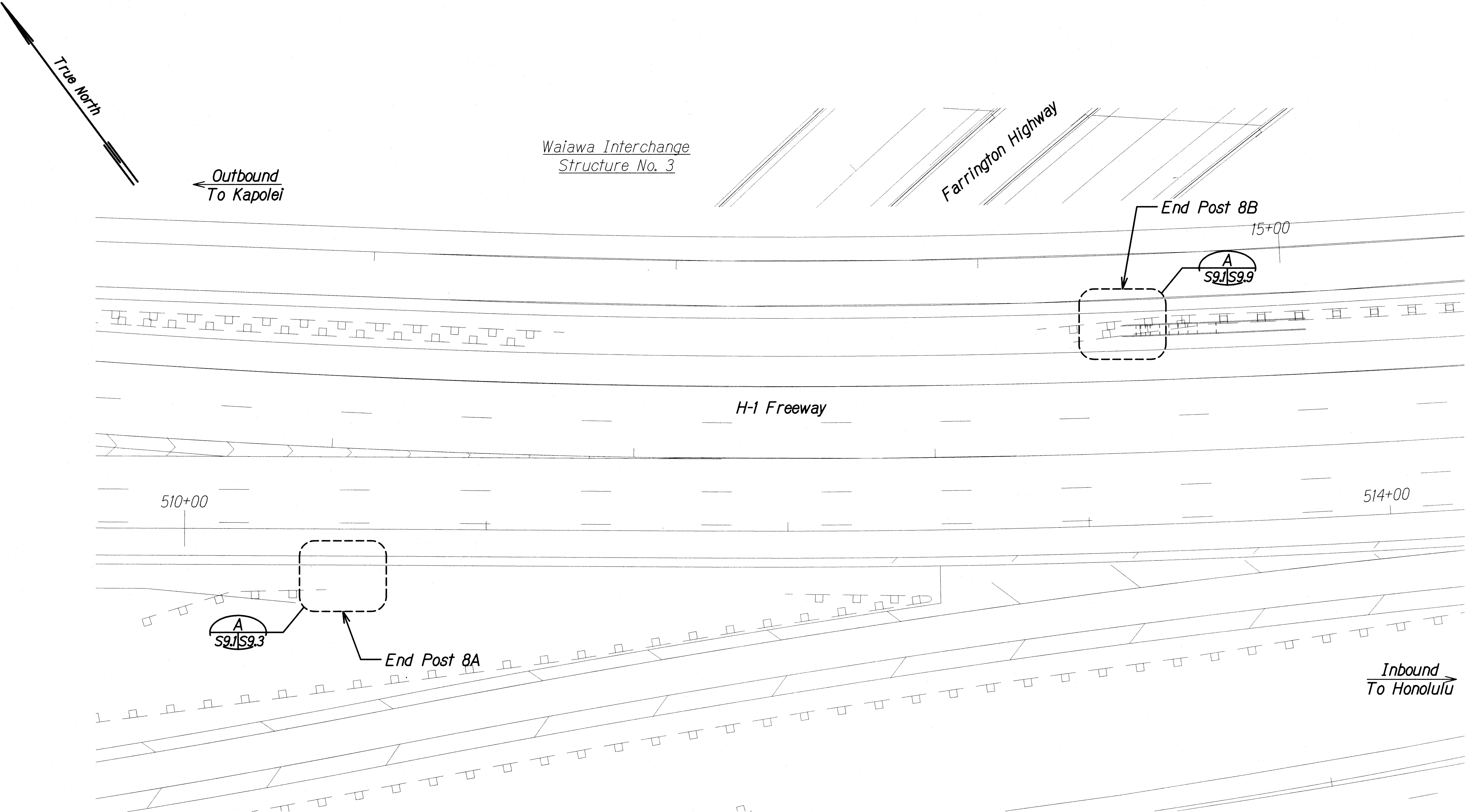
SITE 7 END POST
PLAN AND ELEVATION

INTERSTATE ROUTE HI SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. S8.2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	88	241



SITE 8 - LAYOUT PLAN
 Scale: 1" = 20'-0"

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	
NO.	

DRAWING NAME: 21.00 ONCONV17-035-HI SAFETY IMPROVEMENTS PALALAI IC-WAIIWA-WSIP-01 CAD:08-08-18 HWY DATS FS PDF:VIST-S0901 SITE 08 PLANDWG PLOT TIME: 08-08-18 8:25 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

[Signature] 4-30-20

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

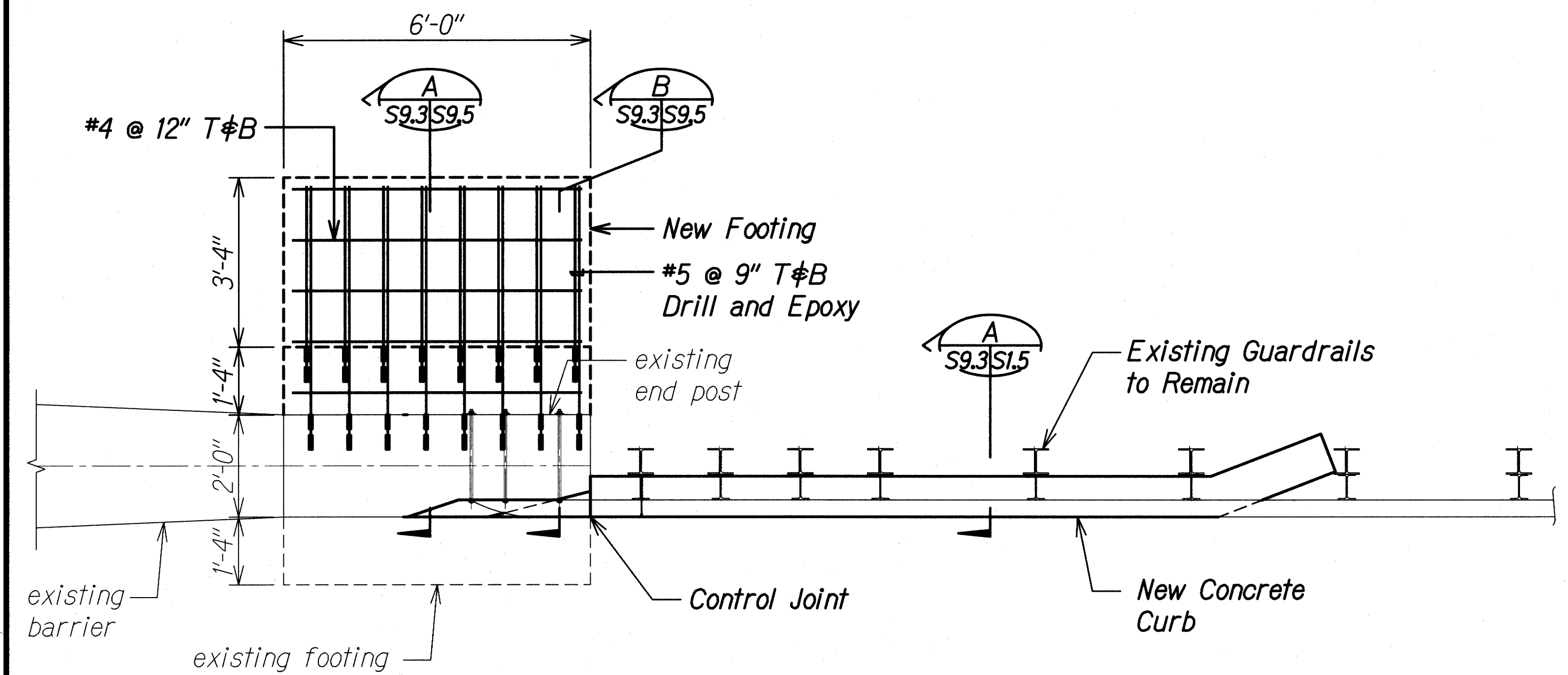
SITE 8 LAYOUT PLAN

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALALAI INTERCHANGE TO WAIAWA OVERPASS
 FAP NO. HSIP-HI-1(270)**

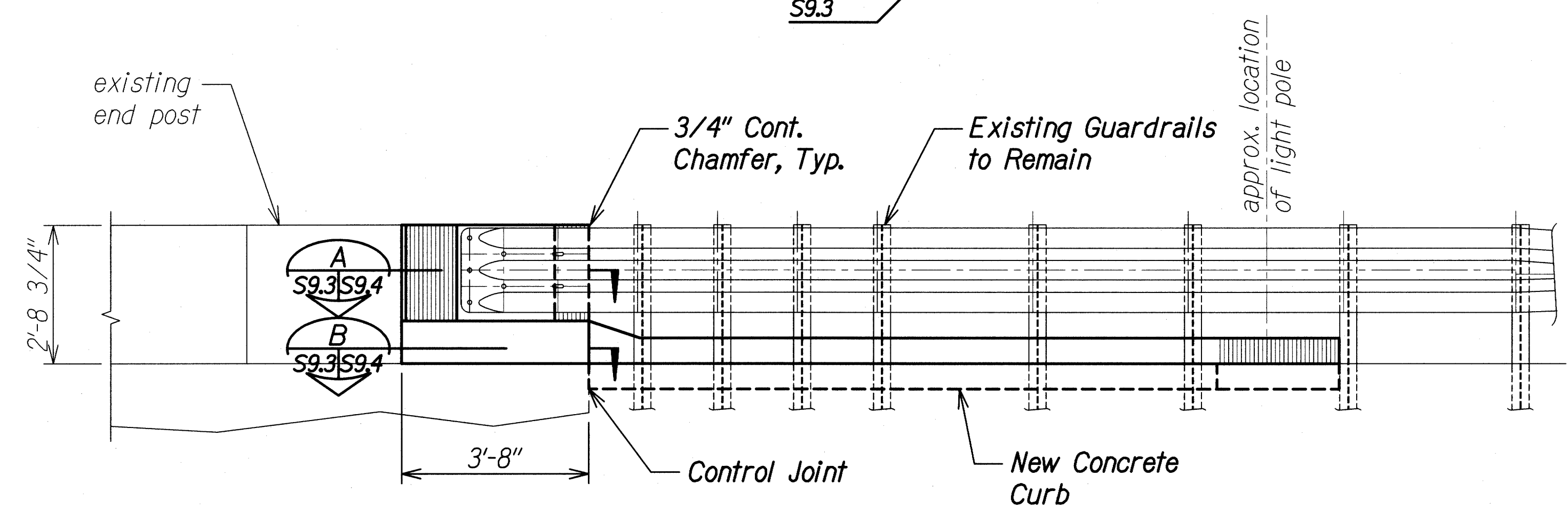
Scale: As Noted Date: July 26, 2018

SHEET No. S9J OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	90	241



END POST 8A PLAN
Scale: 1/2" = 1'-0"
S9.3



END POST 8A ELEVATION
Scale: 1/2" = 1'-0"
S9.3

NOTE:
See Sheet S1.5 for additional details.

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

DRAWING NAME: 23.00 ONCONV.17-035-HI SAFETY IMPROVEMENTS PALAILAI (C-WAIAWA-WSPV01) CAD:08-08-18 HWY DATS ES:POC\HIST-S0003620905 SITE:08A NEW/DWG PLOT TIME: 08-08-18 8:27 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
SIGNATURE

4-30-20
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

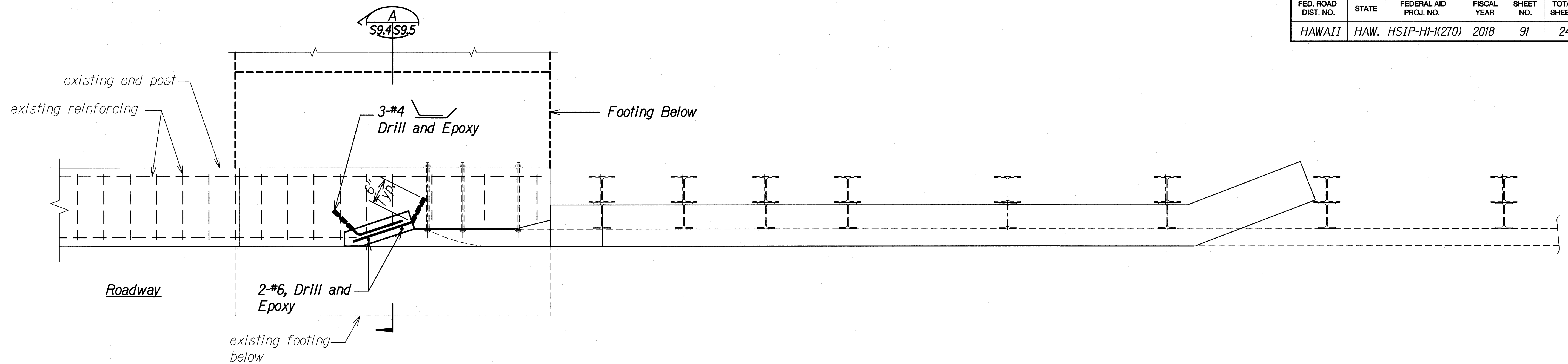
END POST 8A
PLAN AND ELEVATION

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAI'AWA OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. S9.3 OF 13 SHEETS

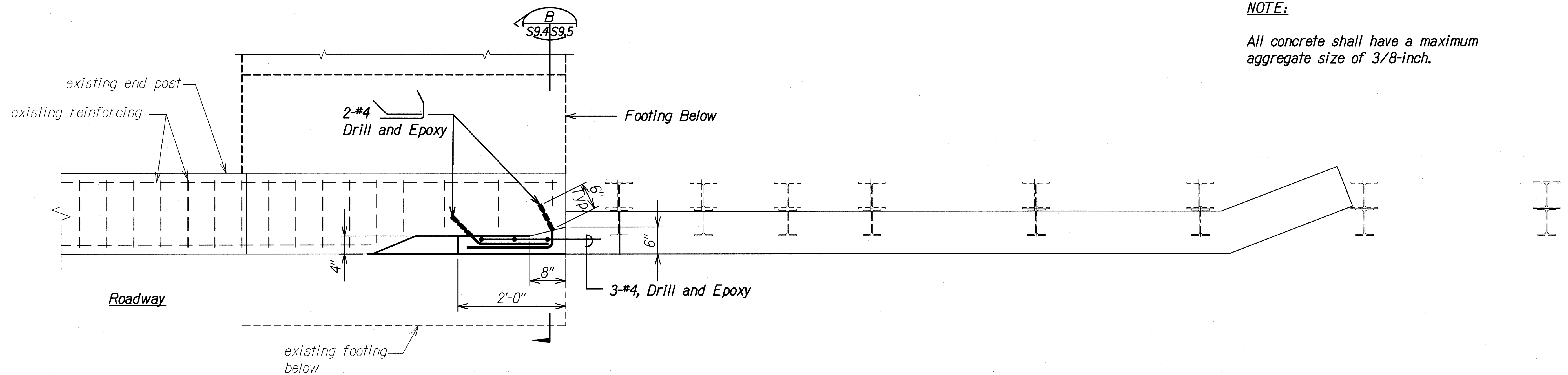
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	91	241



END POST 8A PLAN - UPPER PORTION A
S9.3 | S9.4
Scale: 1" = 1'-0"

NOTE:

All concrete shall have a maximum aggregate size of 3/8-inch.



END POST 8A PLAN - LOWER PORTION B
S9.3 | S9.4
Scale: 1" = 1'-0"

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	
NO.	

DRAWING NAME: Z:\00 ONGOING\17-035-HI SAFETY IMPROVEMENTS\PALALAI IC-WAIAWA-VSP\01 CAD\08-08-18 HWY CMTS ES PDR\HSET-S0904 8A ENDPOST.DWG PLOT TIME: 08-08-18 8:27 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

SIGNATURE: EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

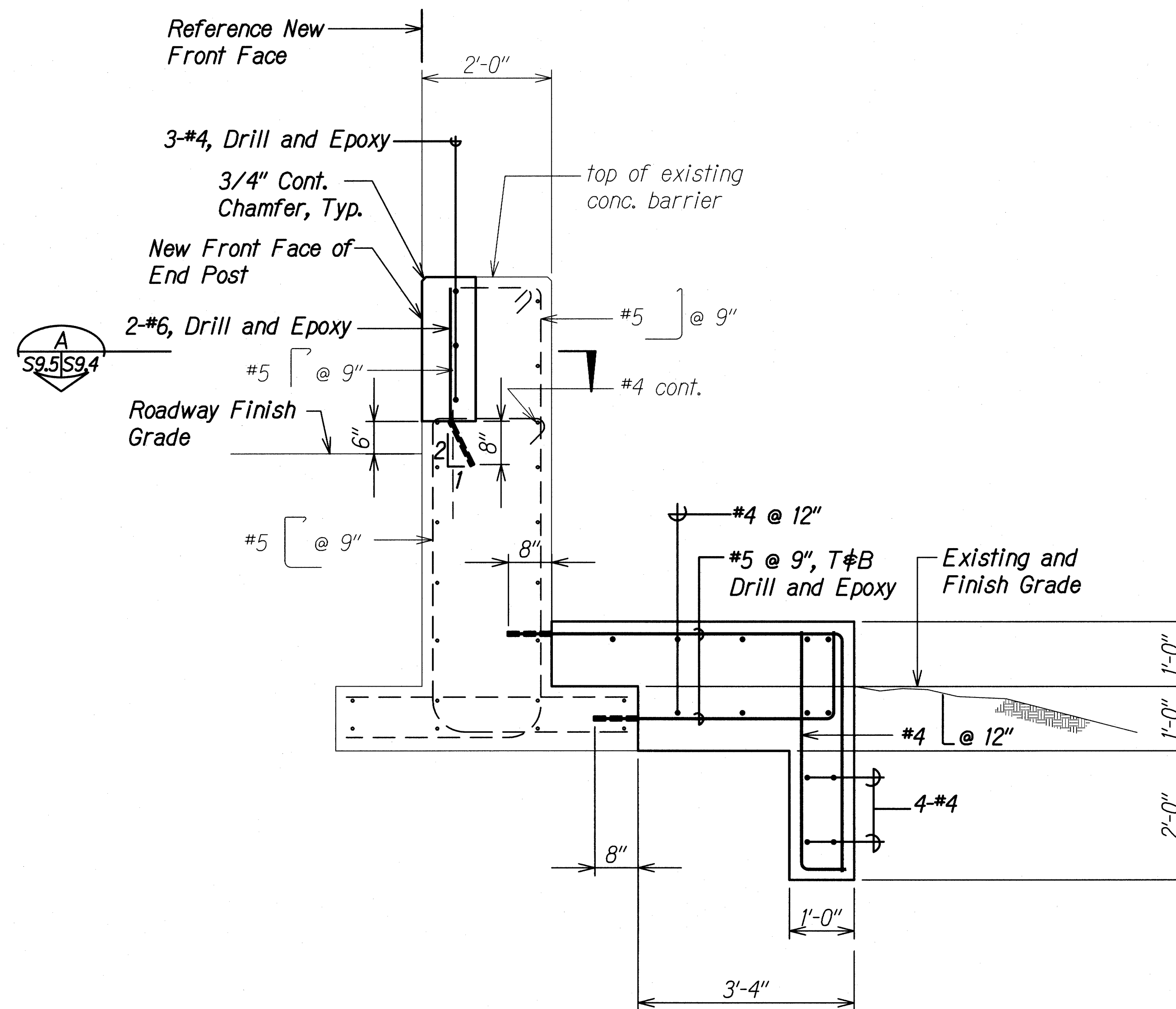
**END POST 8A
PLANS**

**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-1(270)**

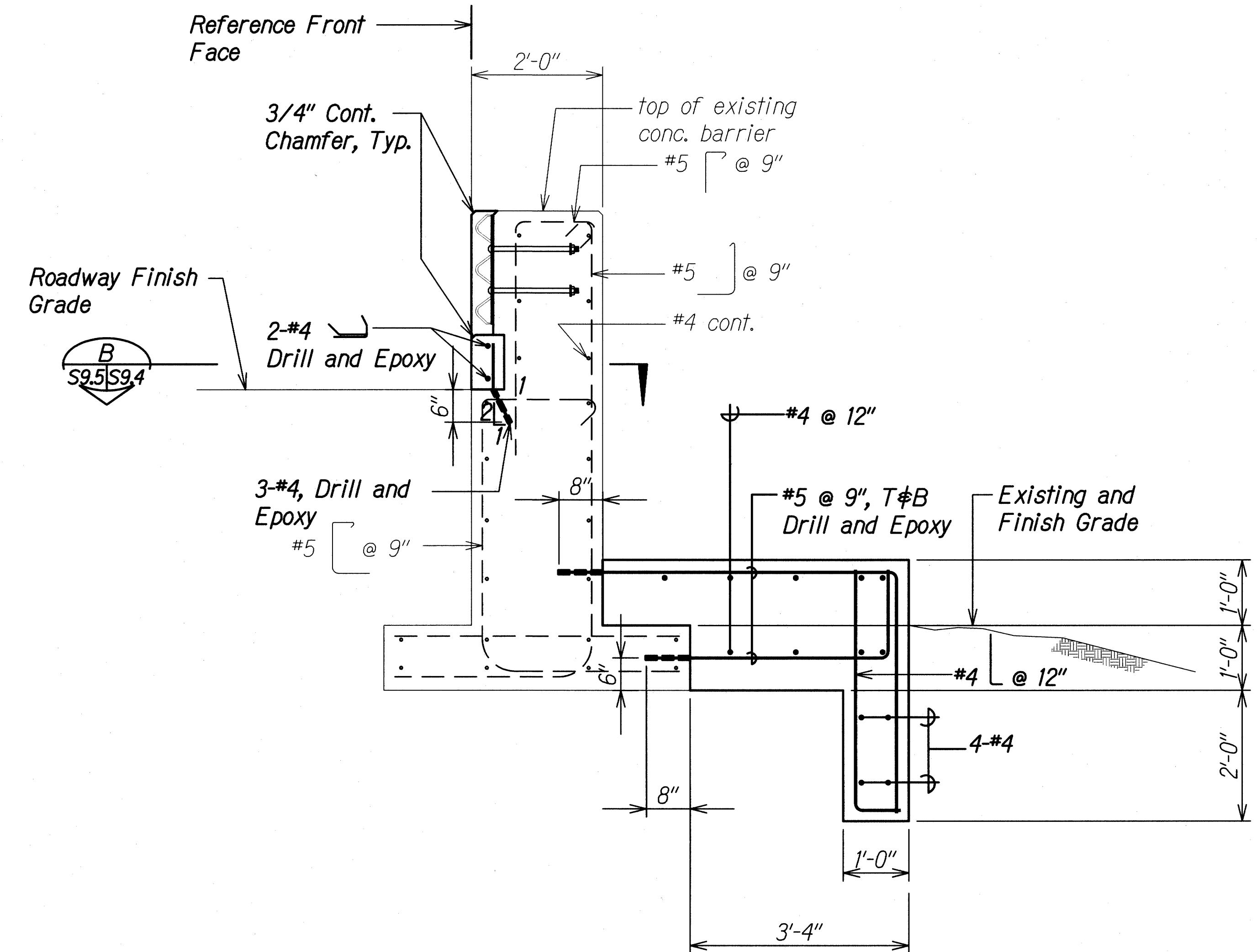
Scale: As Noted Date: July 26, 2018

SHEET No. S94 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	92	241




SECTION A
Scale: 3/4" = 1'-0"
S9.3 S9.5
S9.4



SECTION B
Scale: 3/4" = 1'-0"
S9.3 S9.5
S9.4

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

DRAWING NAME: 22.00 ONCONG17-035-HI SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-WSP01 CAD:08-08-18 HWY CMIS FS PREYHIST-50903&50905 SITE DBA NEW DWG PLOT TIME: 08-08-18 8:27 AM



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
SIGNATURE

4-30-20
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

END POST 8A

SECTIONS

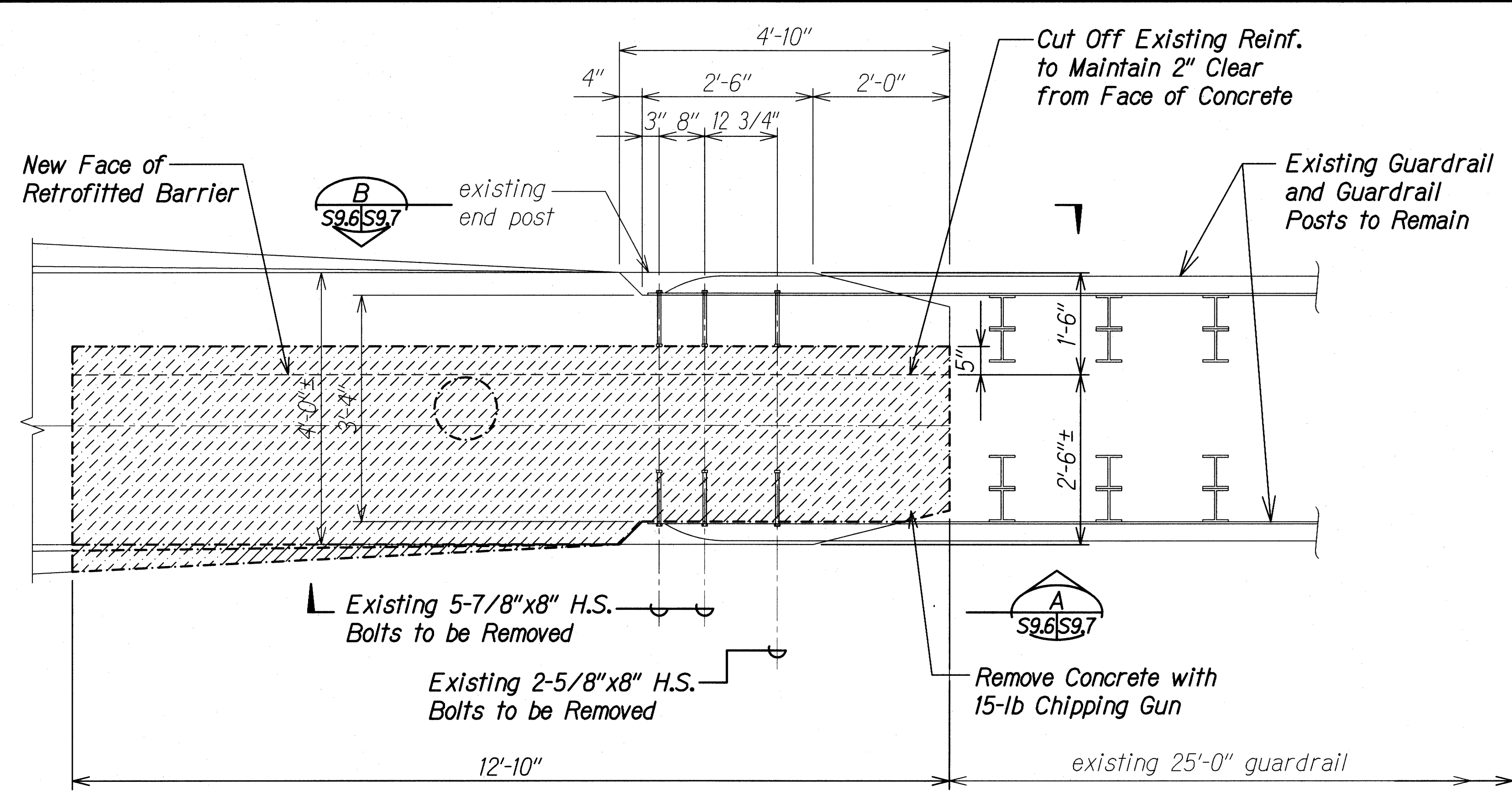
**INTERSTATE ROUTE HI SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIAWA OVERPASS**

FAP NO. HSIP-HI-1(270)

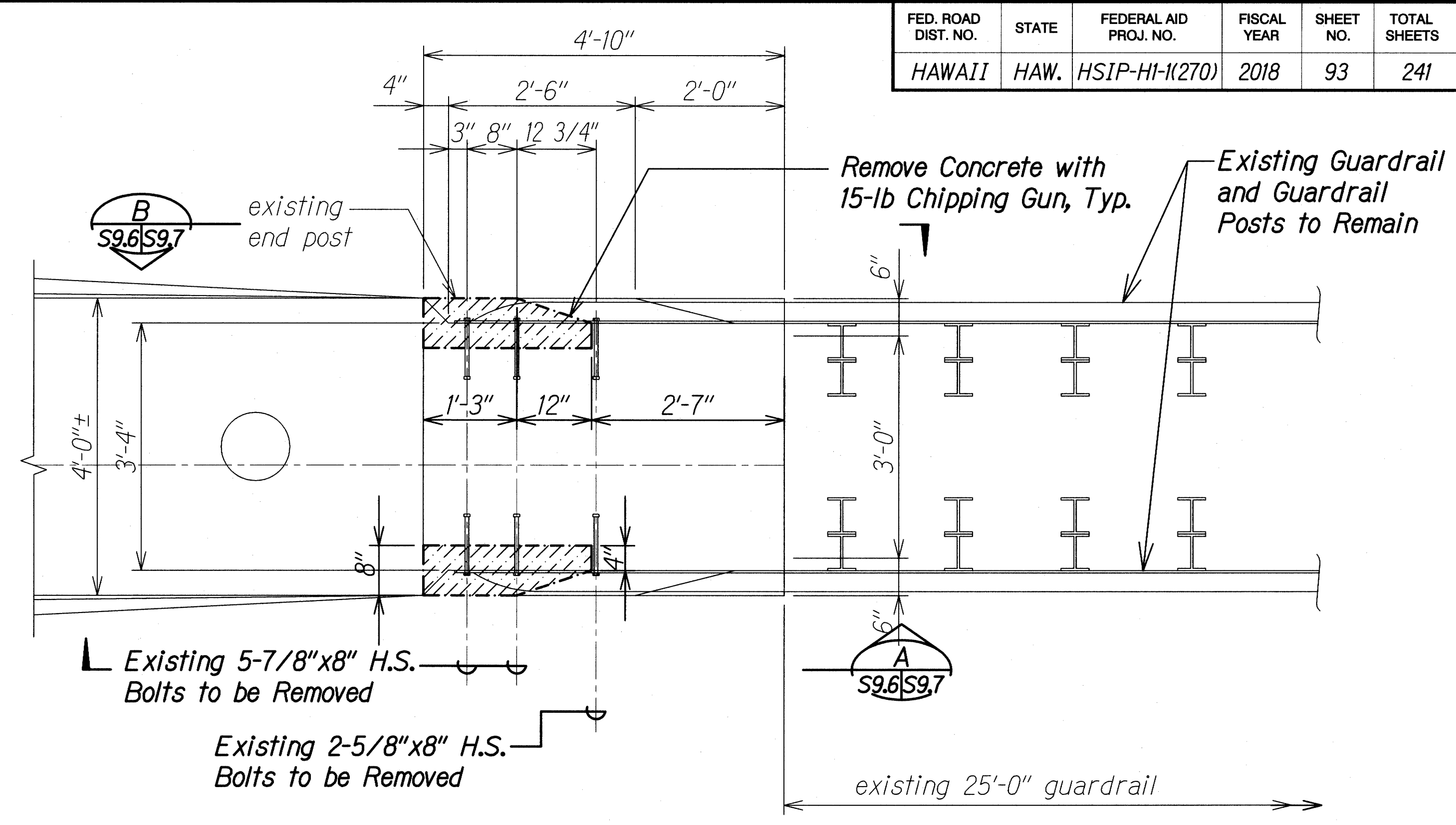
Scale: As Noted Date: July 26, 2018

SHEET No. S95 OF 13 SHEETS

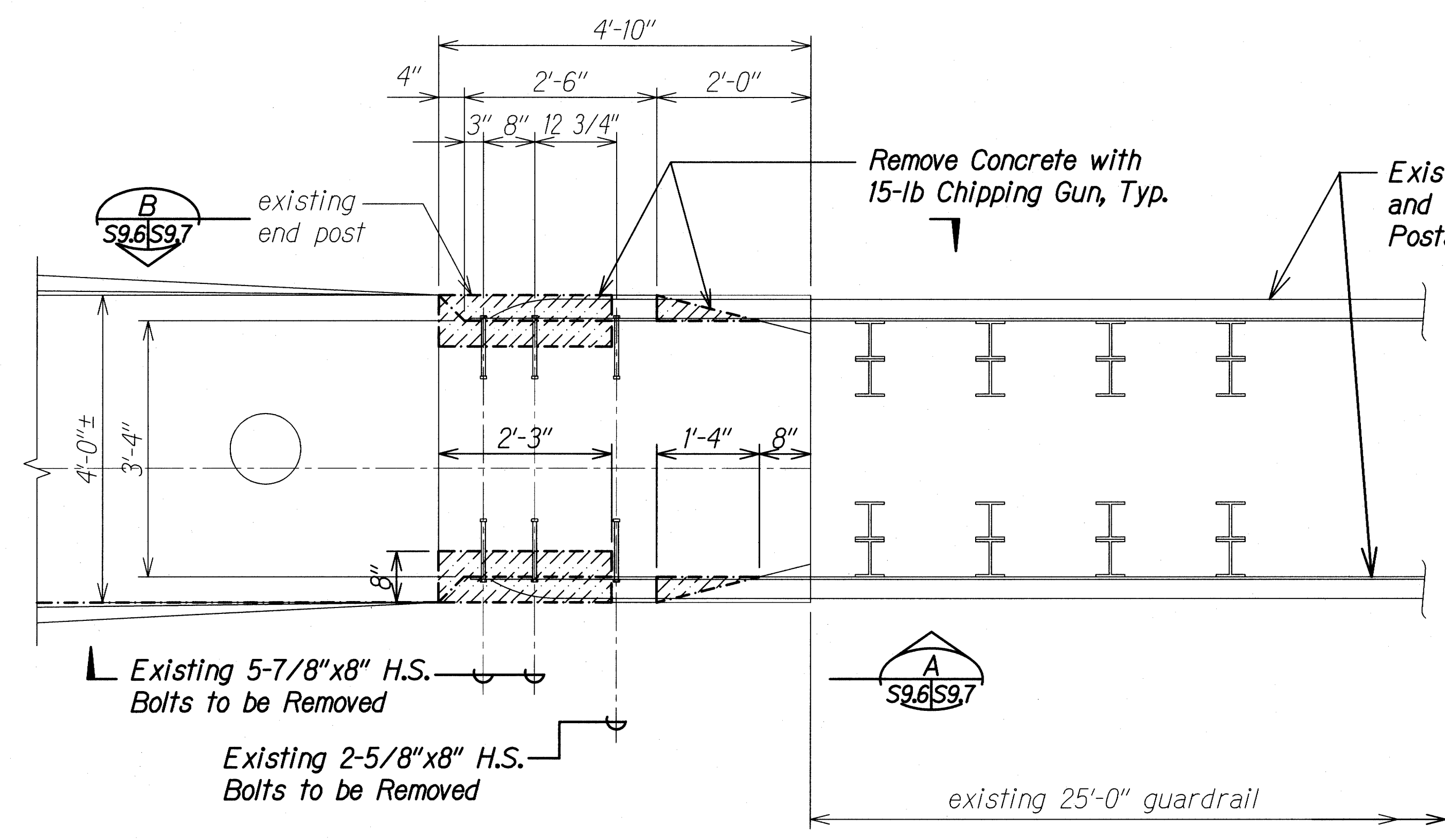
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	93	241



END POST 8B DEMOLITION PLAN - UPPER PORTION A
 Scale: 3/4" = 1'-0" S9.8 | S9.6



END POST 8B DEMOLITION PLAN - MIDDLE PORTION B
 Scale: 3/4" = 1'-0" S9.8 | S9.6



END POST 8B DEMOLITION PLAN - LOWER PORTION C
 Scale: 3/4" = 1'-0" S9.8 | S9.6

NOTE:
 Existing guardrail may be removed and reinstalled as required to complete construction work

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

DRAWING NAME: 21.00 CONCRETE/17-035-HI SAFETY IMPROVEMENTS PALAILAI IC WAIKAWA WEP/01 CAD: 08-08-18 HWY DATS ES: PDI/VISIT-50906 SITE: 08B DEMOLITION PLOT TIME: 08-08-18, 8:28 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara

SIGNATURE EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**END POST 8B
 DEMOLITION PLANS**

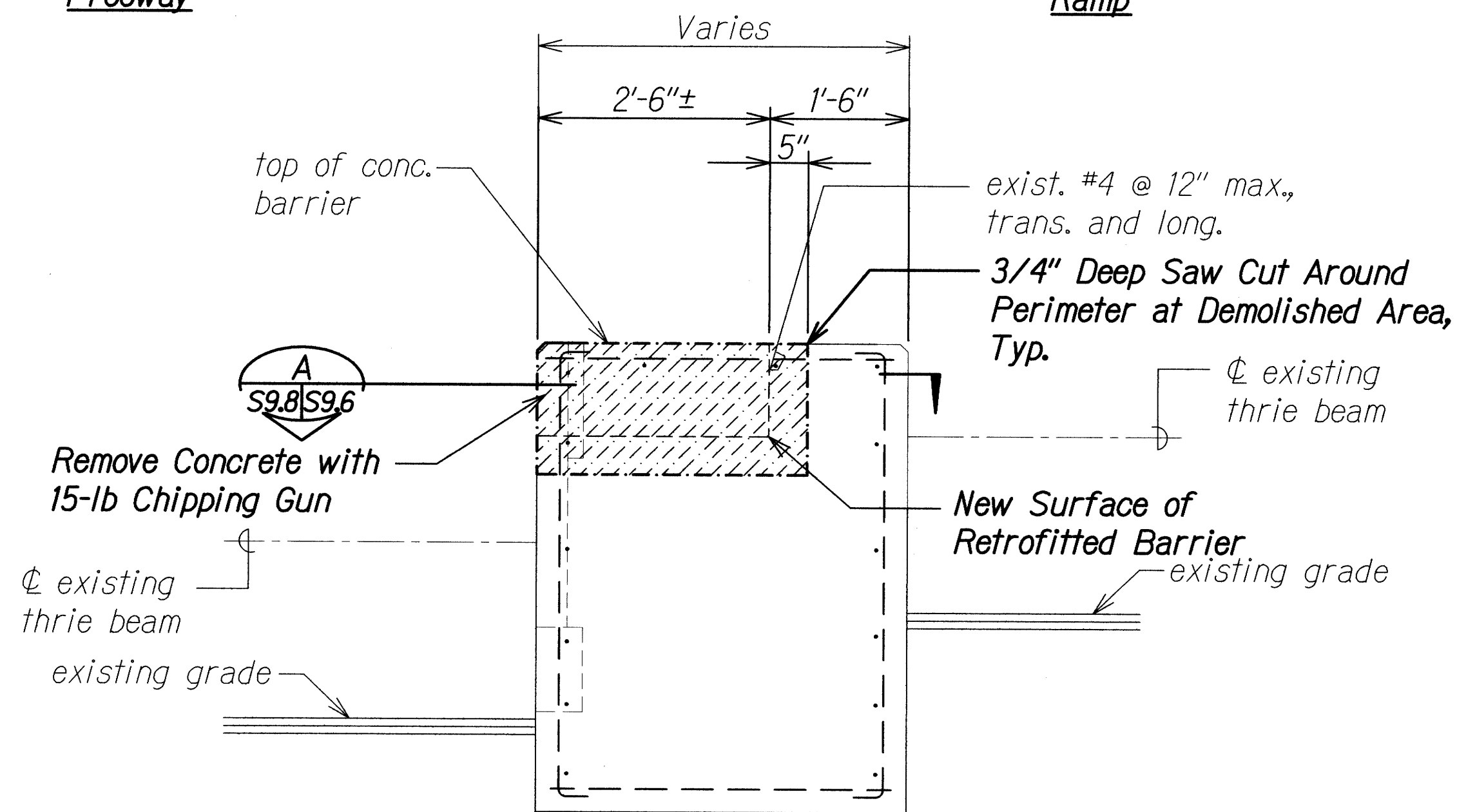
**INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALAILAI INTERCHANGE TO WAIKAWA OVERPASS
 FAP NO. HSIP-HI-1(270)**

Scale: As Noted Date: July 26, 2018

SHEET No. **S9.6** OF 13 SHEETS

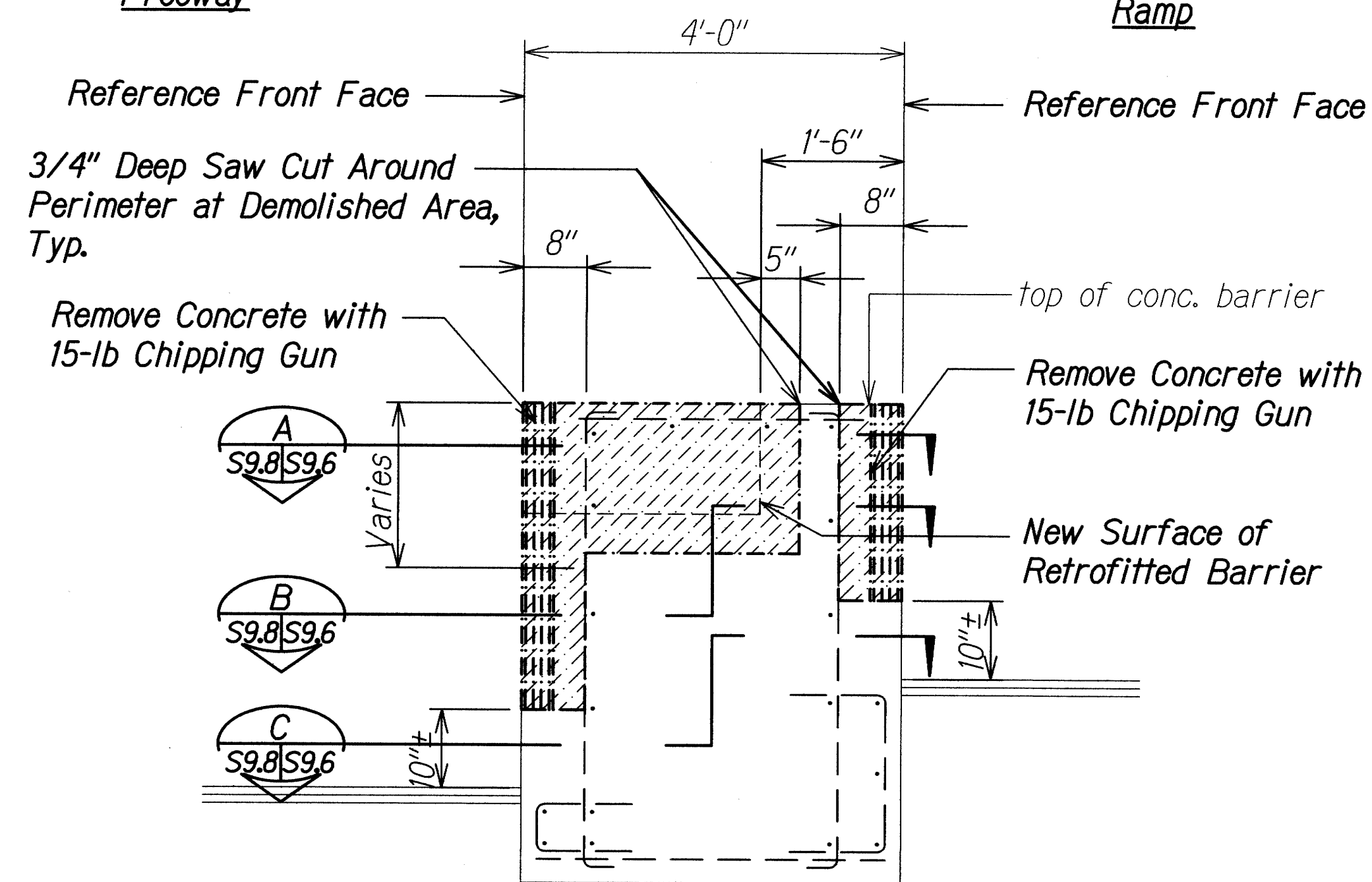
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	95	241

Freeway



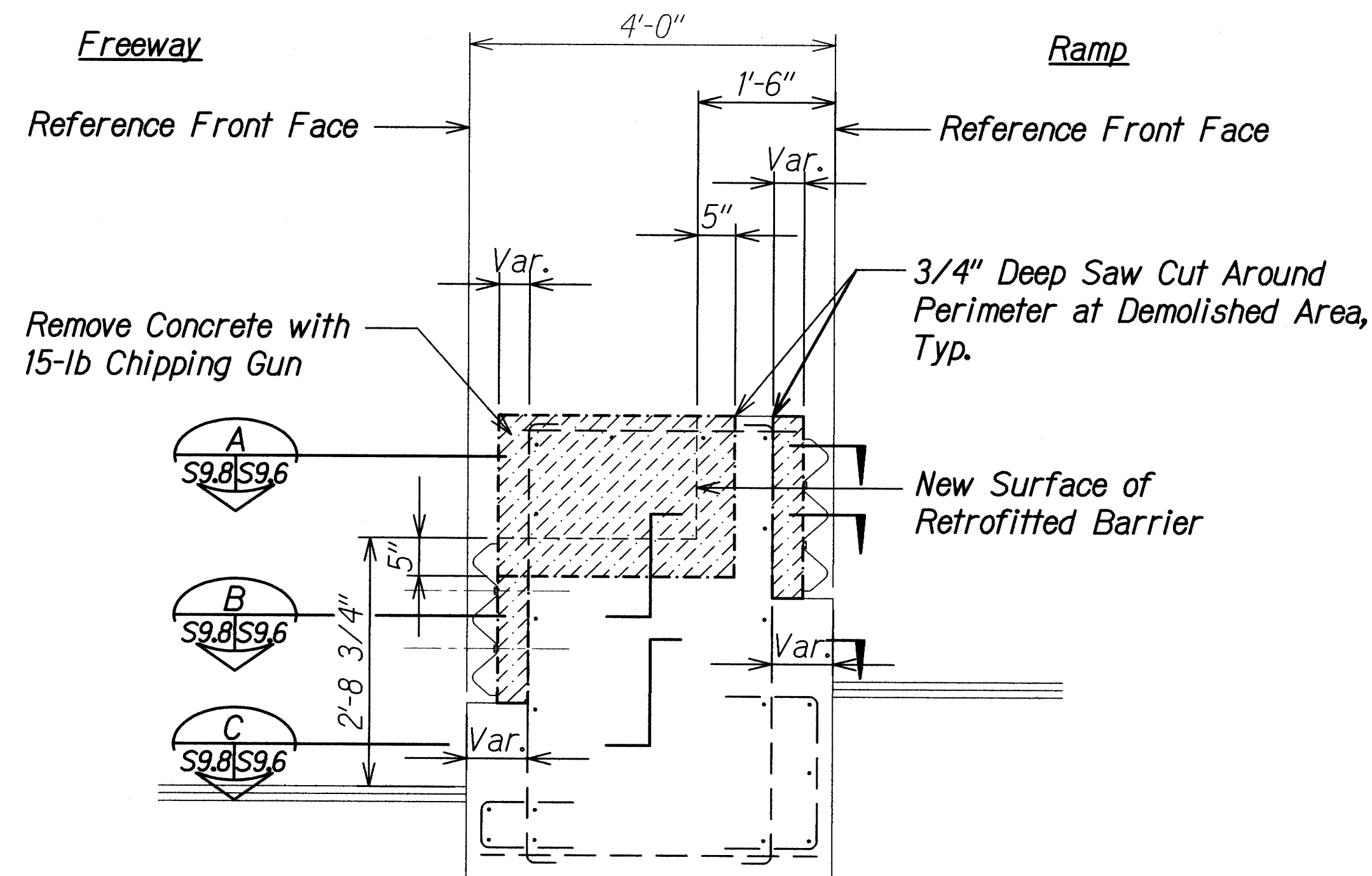
DEMOLITION SECTION A
Scale: 3/4" = 1'-0"

Freeway



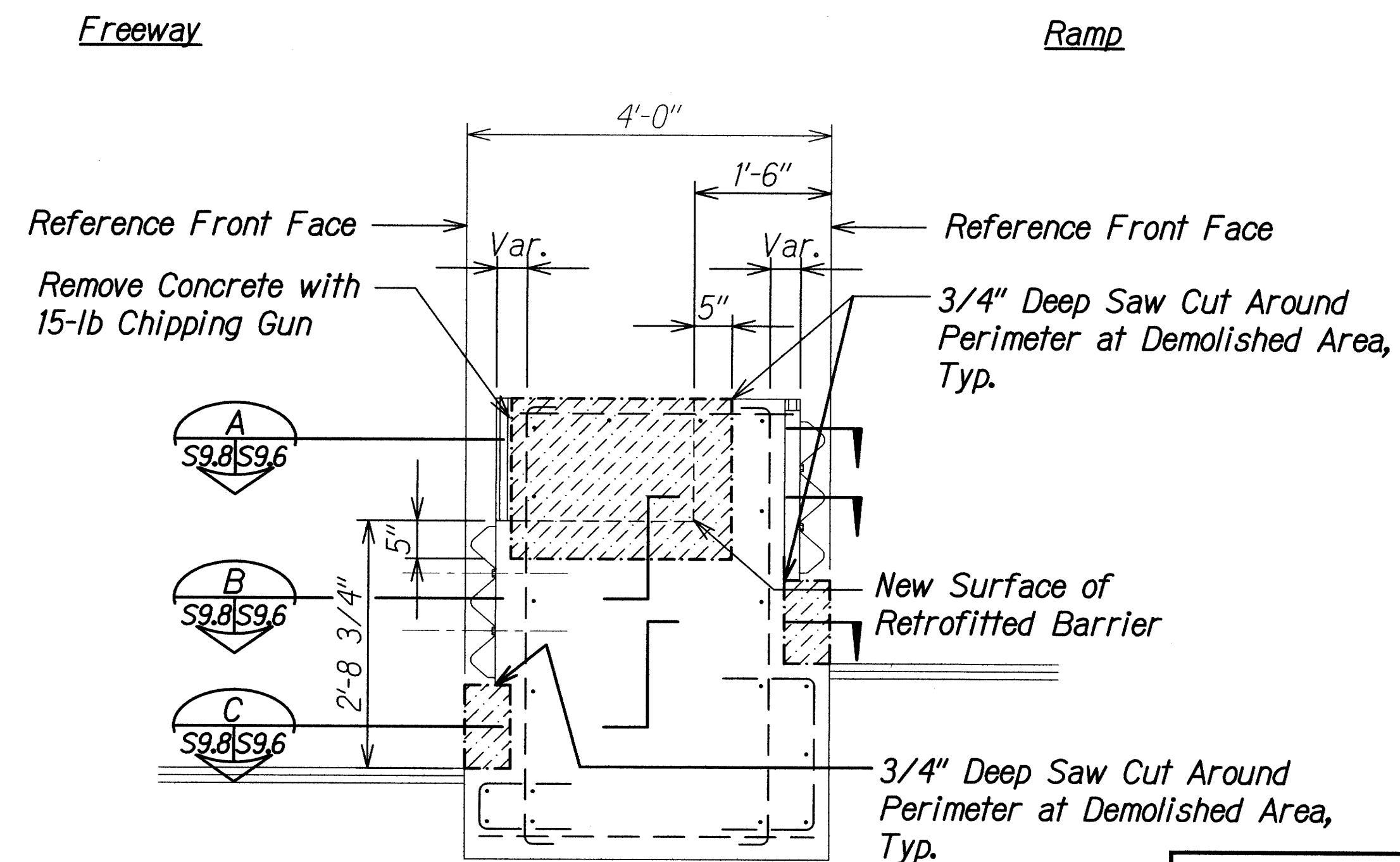
DEMOLITION SECTION B
Scale: 3/4" = 1'-0"

Freeway



DEMOLITION SECTION C
Scale: 3/4" = 1'-0"

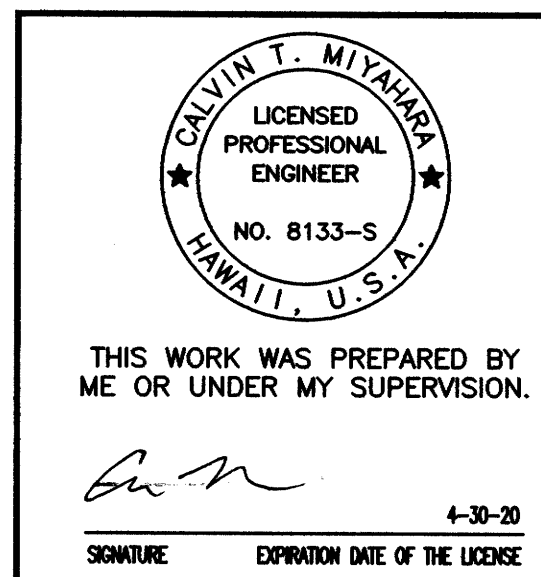
Freeway



DEMOLITION SECTION D
Scale: 3/4" = 1'-0"

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

DRAWING NAME: ZALO ONCONG 17-035-HI SAFETY IMPROVEMENTS PALAILAI IC WAIAWA-NSP-01 CAD: 09-07-18 BID: VELLUM-HIST-S906 SITE: 088 DEMOLING PLOT TIME: 09-07-18, 1:35 PM

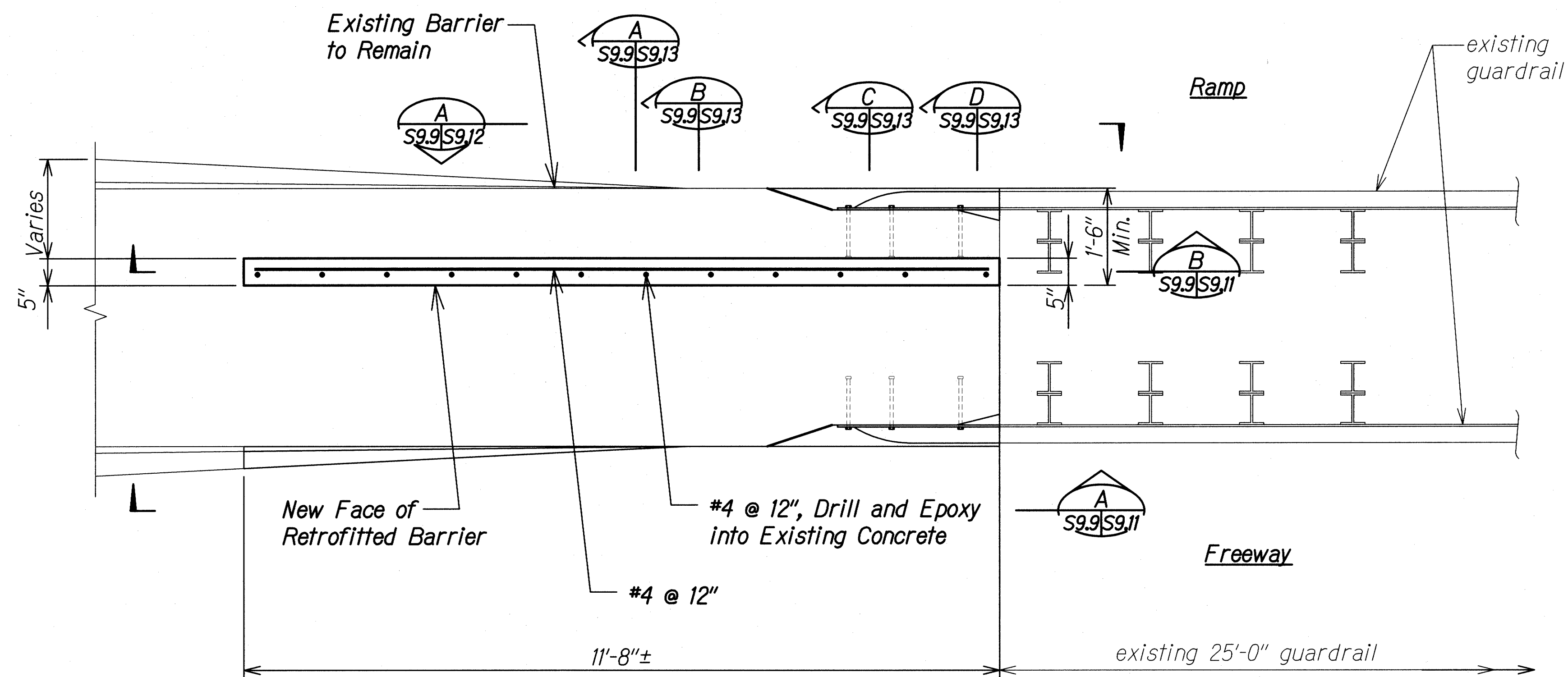


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
END POST 8B
DEMOLITION SECTIONS
INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-1(270)

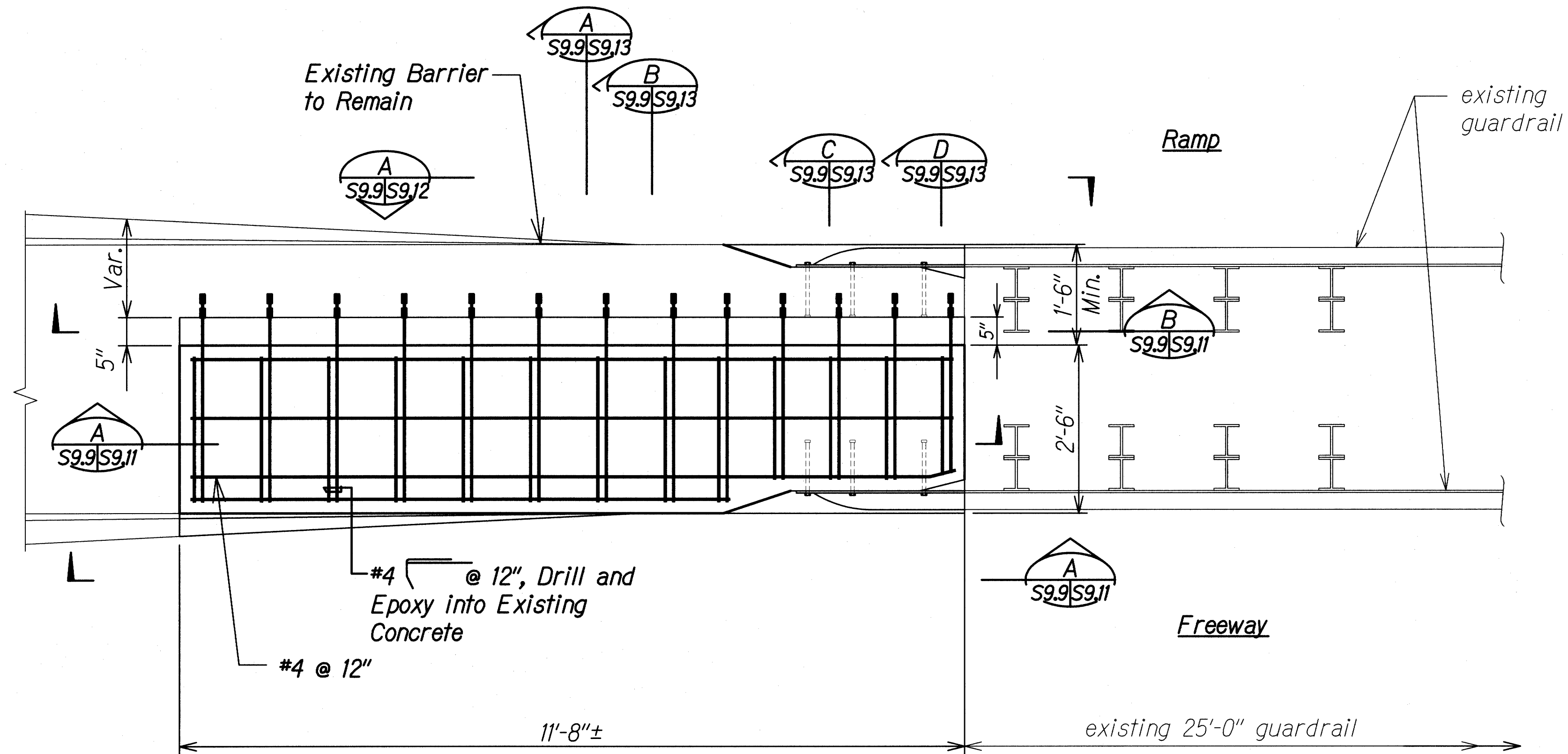
Scale: As Noted Date: July 26, 2018

SHEET No. S9.8 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	96	241



END POST 8B PLAN (RAMP SIDE)
Scale: 3/4" = 1'-0"



END POST 8B PLAN (FREEWAY SIDE)
Scale: 3/4" = 1'-0"

ORIGINAL PLAN	DATE
NOTE BOOK	DESIGNED BY
No.	CHECKED BY

DRAWING NAME: 2A.00.000000.17-035-HI SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-WSPV01 CAD:08-08-18 HWY DMTS ES PROJECT-S9909 SITE 08B ENDPOSTING PLOT TIME: 08-08-18 8:29 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

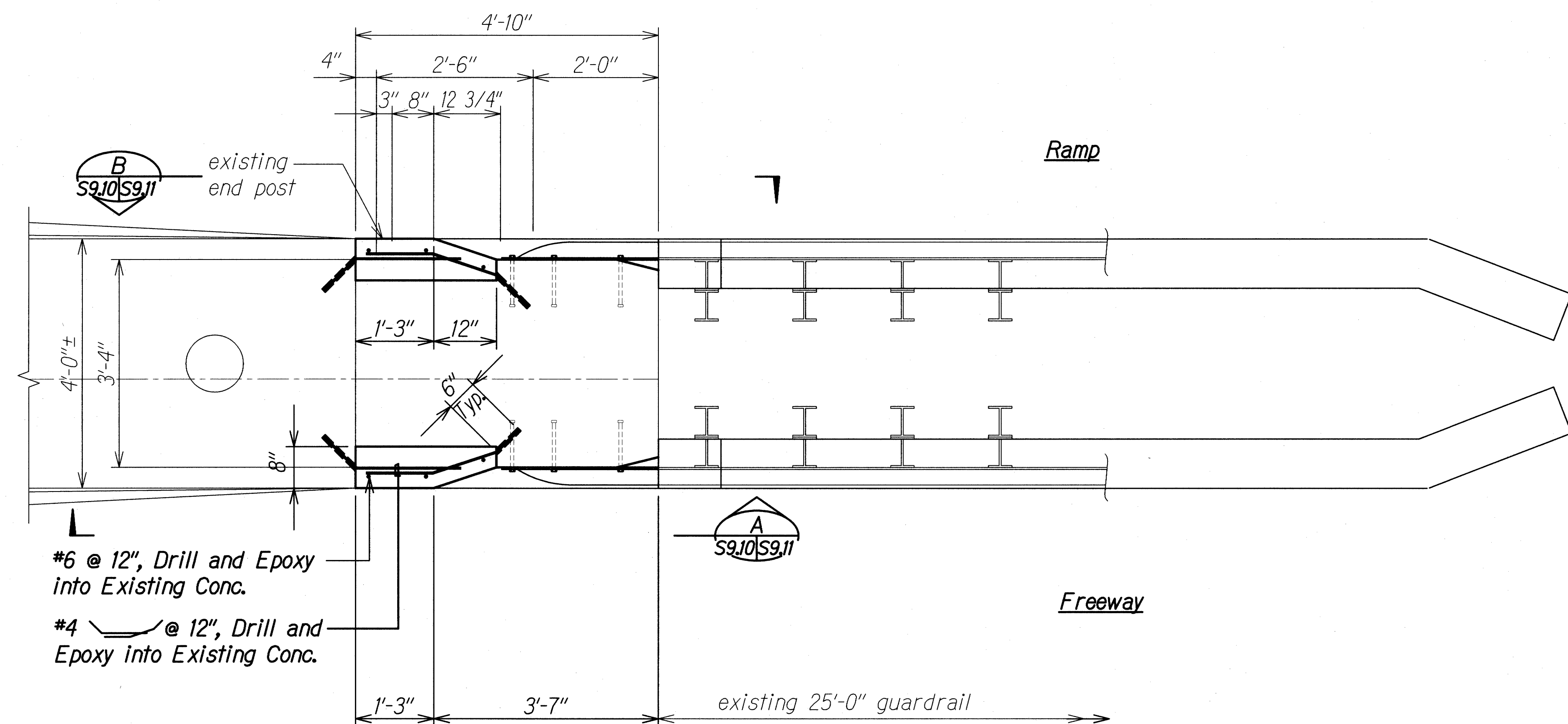
END POST 8B
PLANS

INTERSTATE ROUTE HI SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-1(270)

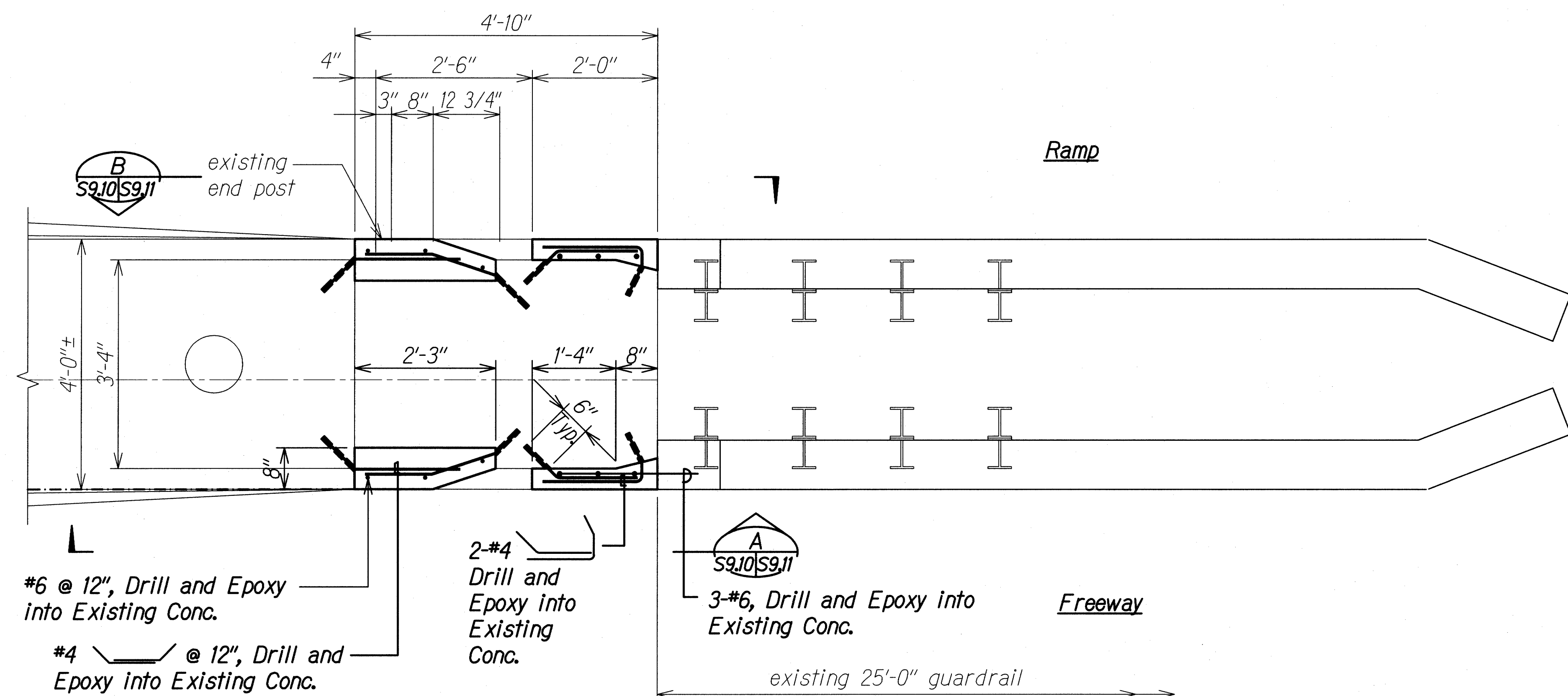
Scale: As Noted Date: July 26, 2018

SHEET No. S99 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-K270	2018	97	241



END POST 8B PLAN - UPPER PORTION OF BARRIER
Scale: 3/4" = 1'-0"



END POST 8B PLAN - LOWER PORTION OF BARRIER
Scale: 3/4" = 1'-0"

DATE	_____
SURVEY LOCATED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTE BOOK	_____
NO.	_____

DRAWING NAME: Z:\00 CONCRETE\17-035-HI SAFETY IMPROVEMENTS\PALAILAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY DMTS ES PDF\HSET-S0909 SITE 08B ENDPOST.DWG PLOT TIME: 08-08-18, 8:29 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara

SIGNATURE: _____ EXPIRATION DATE OF THE LICENSE: 4-30-20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

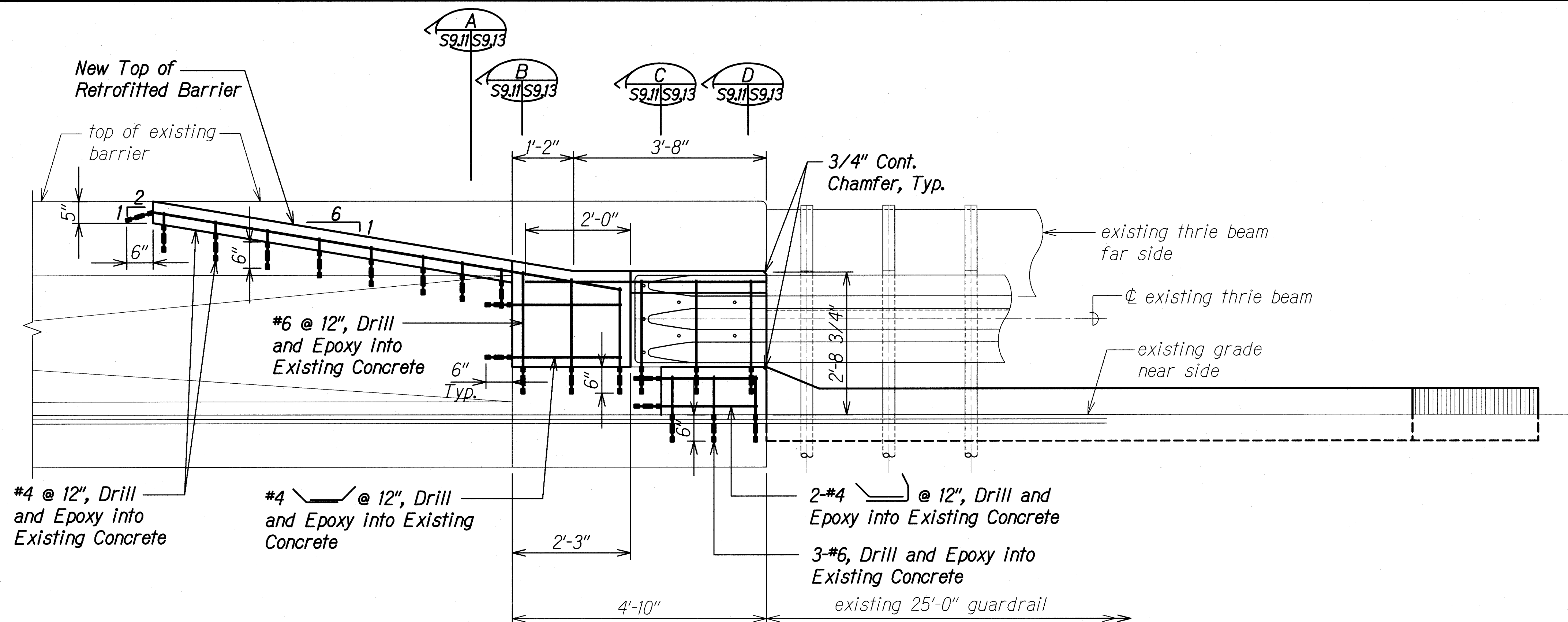
END POST 8B
PLANS

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALAILAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-K270

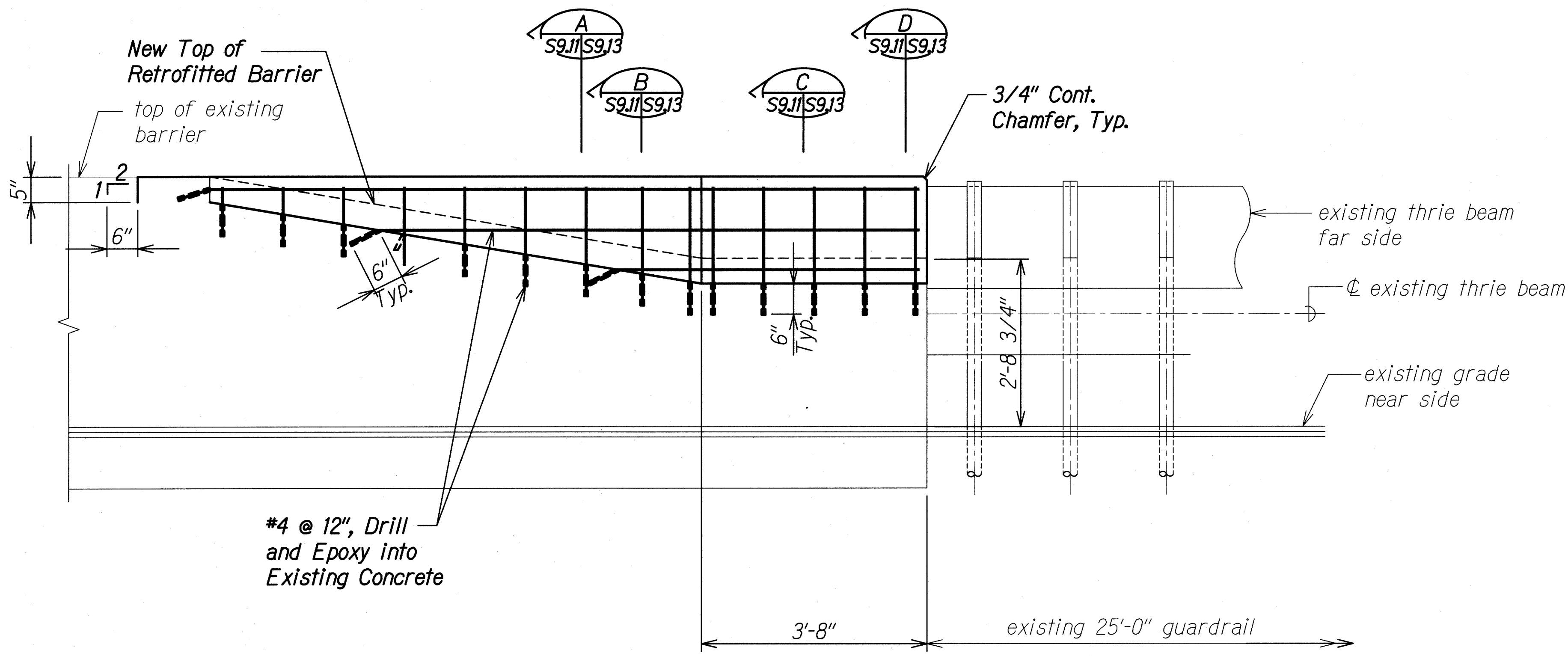
Scale: As Noted Date: July 26, 2018

SHEET No. S9.10 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(K270)	2018	98	241



END POST 8B ELEVATION (FREEWAY SIDE)
 Scale: 3/4" = 1'-0"



END POST 8B ELEVATION (FREEWAY SIDE)
 Scale: 3/4" = 1'-0"

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

DRAWING NAME: 2100-000000-17-000-HI-SAFETY IMPROVEMENTS PALALAI IC-WAIAWA OVERPASS
 PLOT TIME: 08-08-18, 8:23 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara

SIGNATURE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

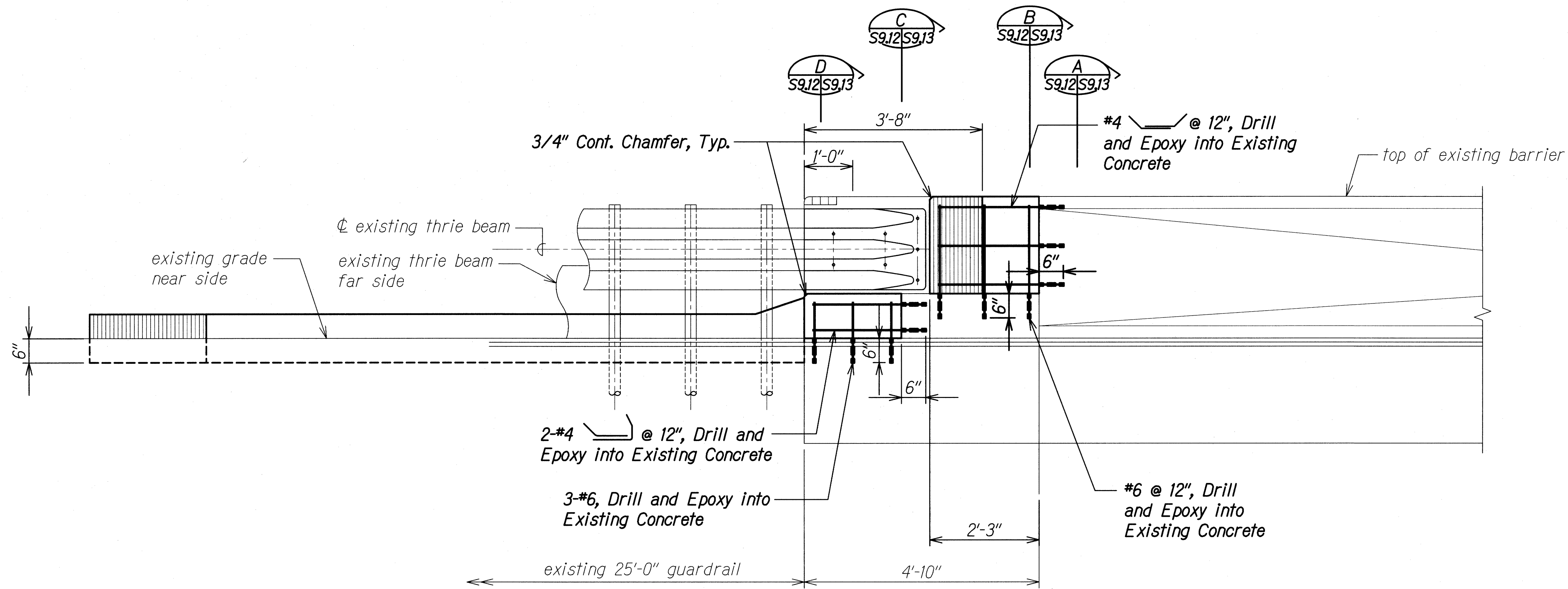
END POST 8B ELEVATIONS

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALALAI INTERCHANGE TO WAIAWA OVERPASS
 FAP NO. HSIP-HI-1(K270)

Scale: As Noted Date: July 26, 2018

SHEET No. **S9.11** OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-K270	2018	99	241



END POST 8B ELEVATION (RAMP SIDE)
 Scale: 3/4" = 1'-0" A
S9.9/S9.12

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

DRAWING NAME: Z:\00 ONCONING\17-035-HI SAFETY IMPROVEMENTS PALAILAI IC-WAIAWA-WSP\01 CAD\08-08-18 HWY CMIS ES PDF\HISEI-S0909 SITE 08B ENDPOST.DWG PLOT TIME: 08-08-18, 8:29 AM

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Calvin T. Miyahara
 SIGNATURE 4-30-20
 EXPIRATION DATE OF THE LICENSE

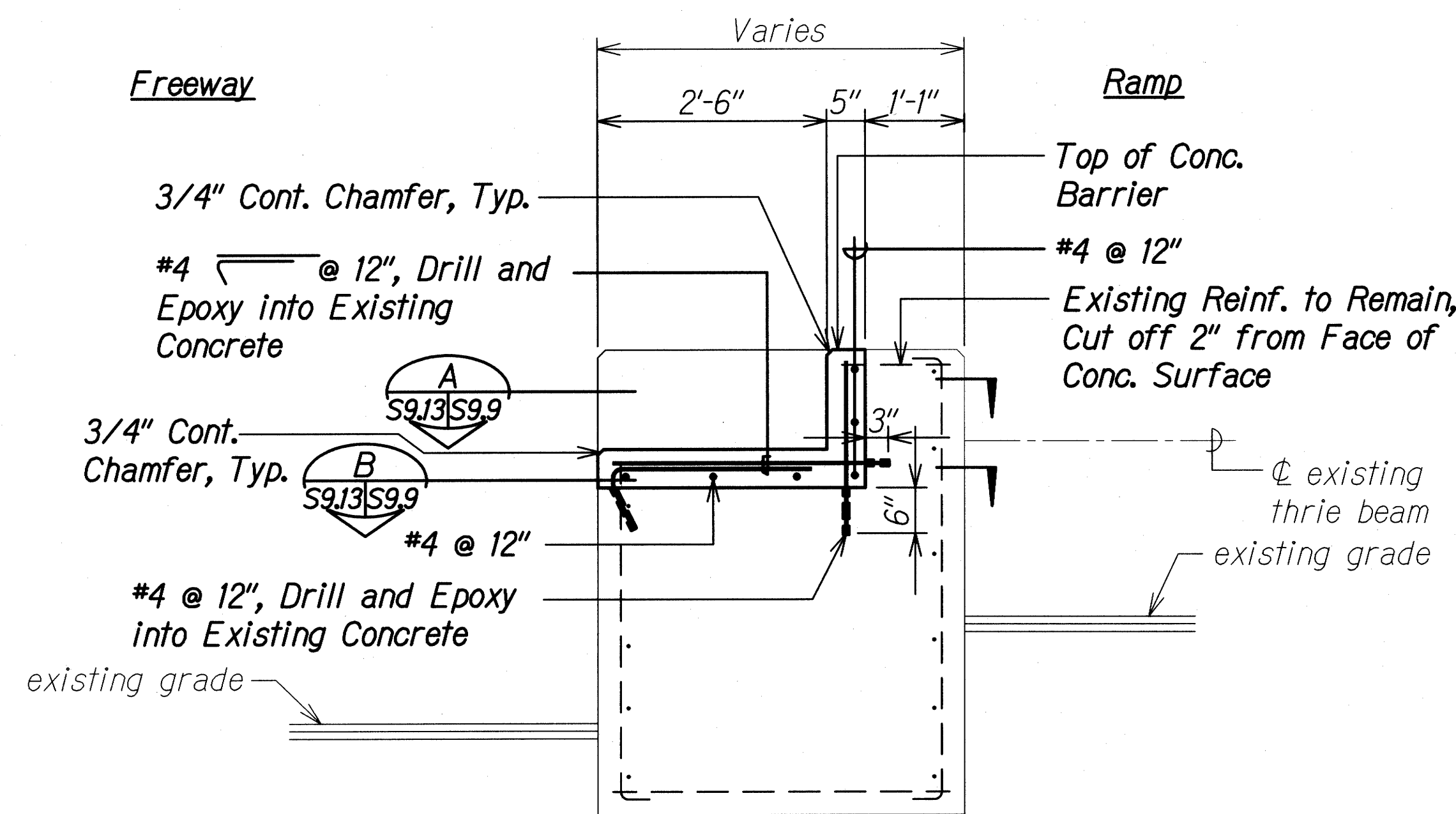
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

END POST 8B
ELEVATION

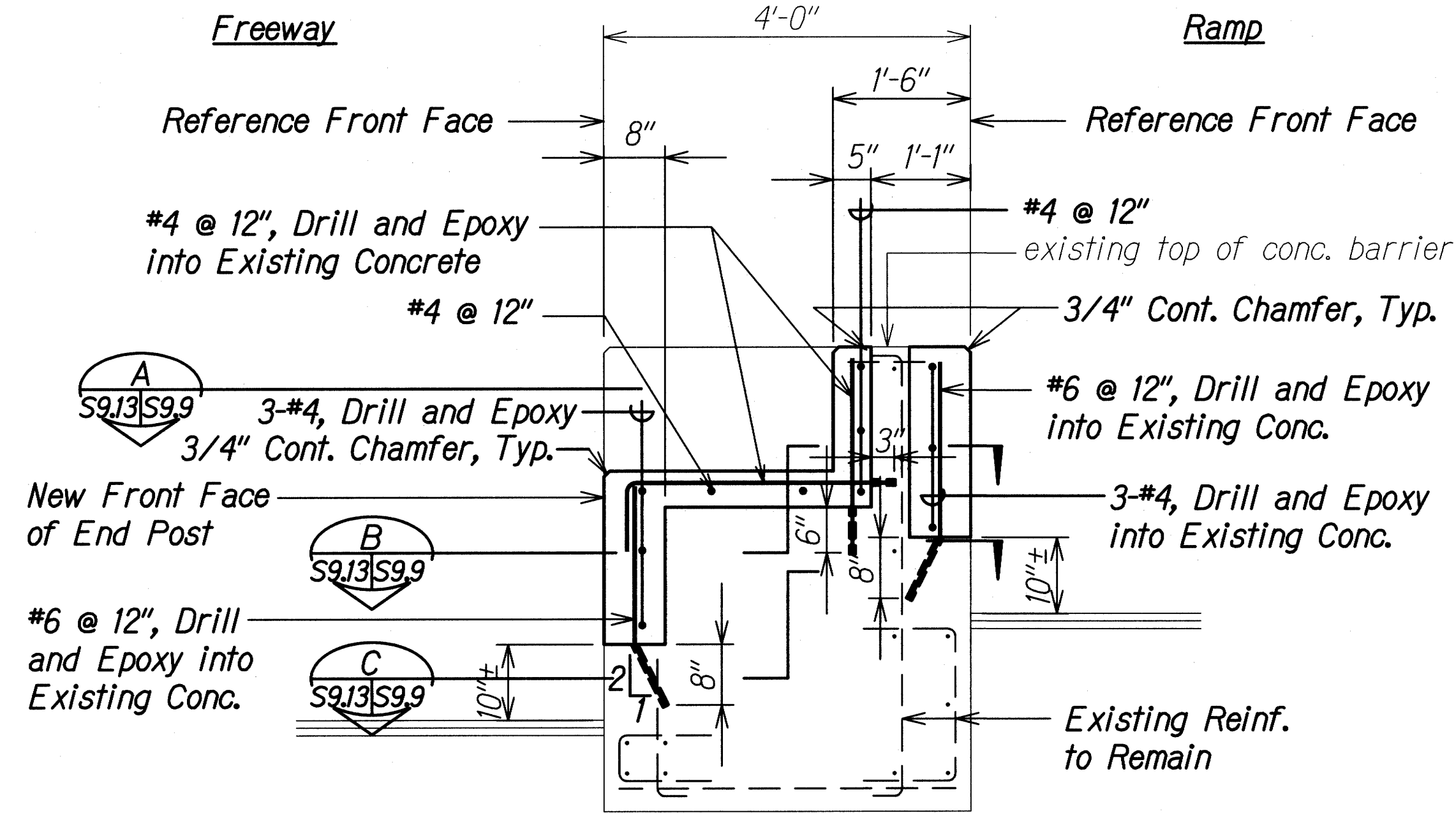
INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
 PALAILAI INTERCHANGE TO WAIKAWA OVERPASS
 FAP NO. HSIP-HI-K270

Scale: As Noted Date: July 26, 2018

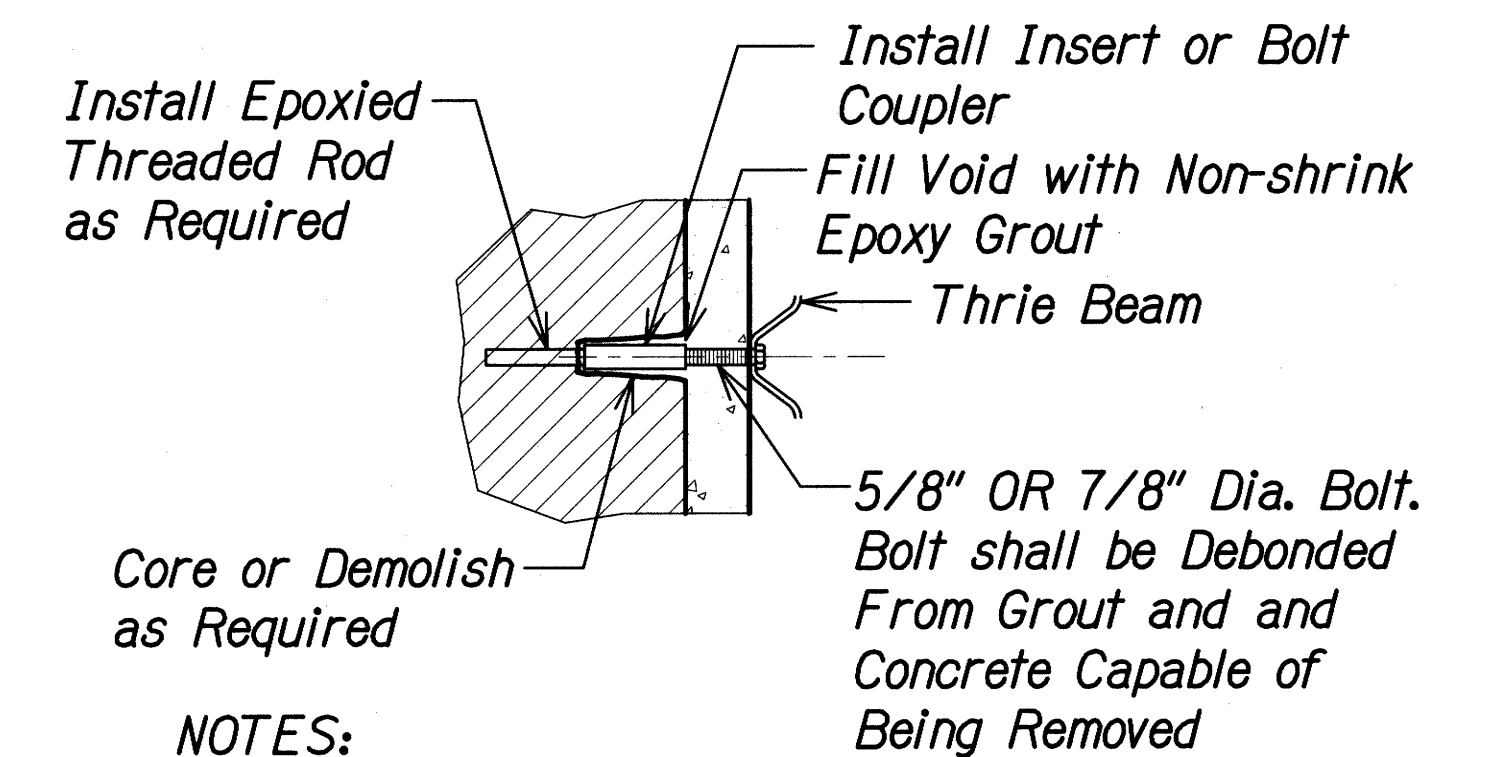
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-HI-1(270)	2018	100	241



SECTION A
Scale: 3/4" = 1'-0"
S9.11, S9.12



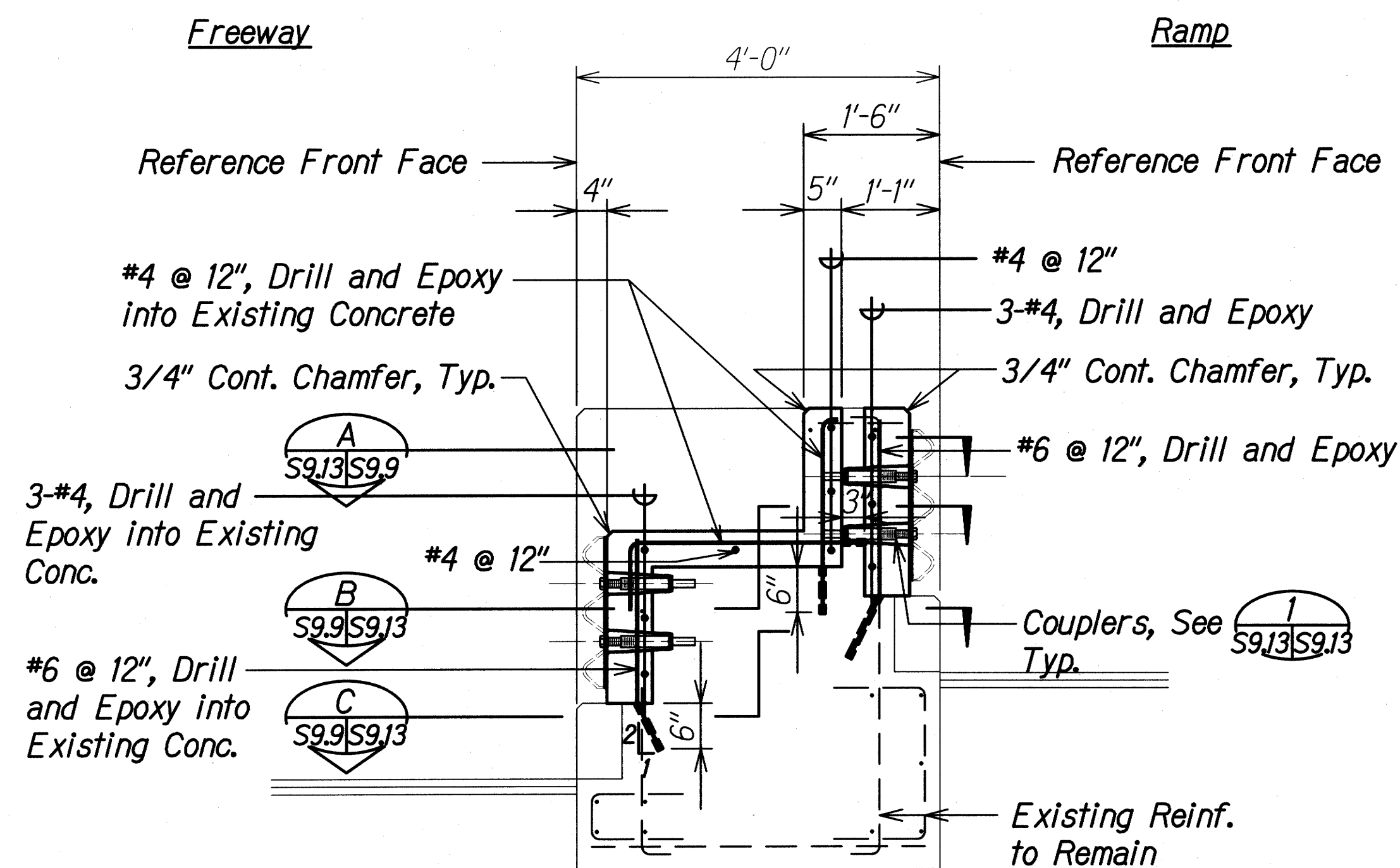
SECTION B
Scale: 3/4" = 1'-0"
S9.11, S9.12



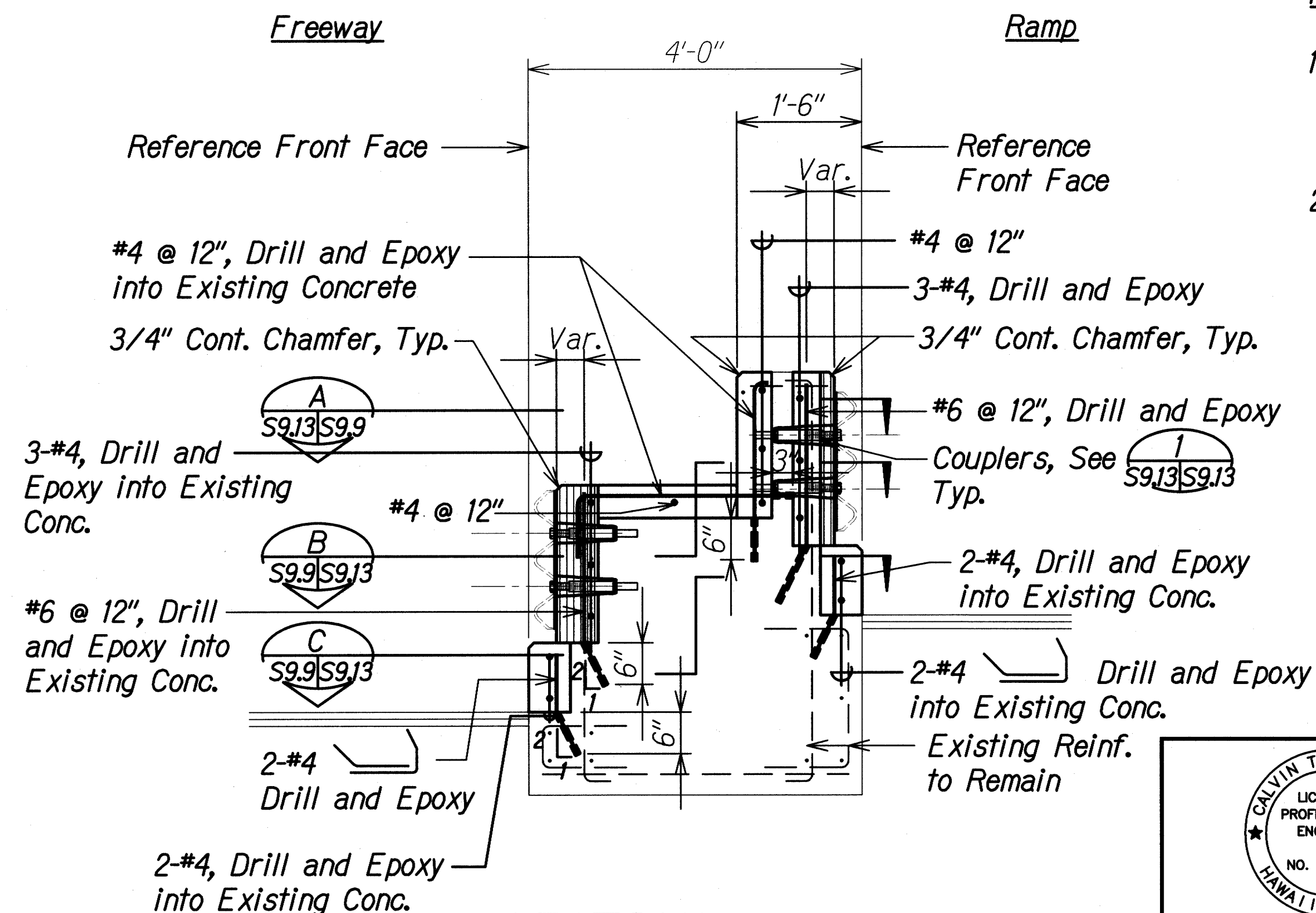
NOTES:

1. Coupler system including threaded rod shall be capable of developing the full strength of bolts.
2. Submit installation procedure to Engineer for approval.

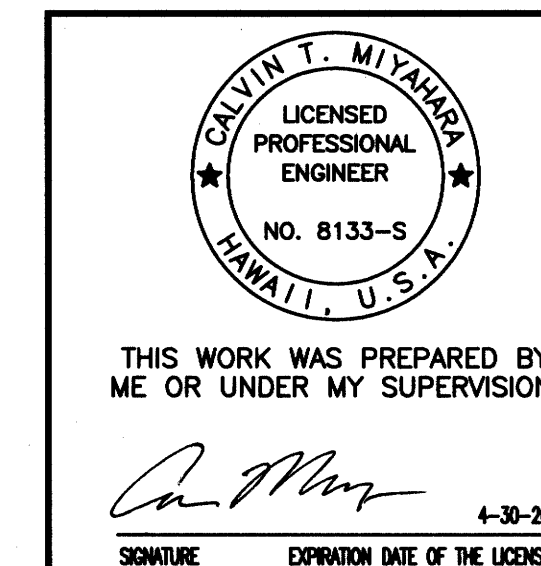
DETAIL 1
Scale: 1" = 1'-0"
S9.13, S9.13



SECTION C
Scale: 3/4" = 1'-0"
S9.11, S9.12



SECTION D
Scale: 3/4" = 1'-0"
S9.11, S9.12



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

END POST 8B SECTIONS

INTERSTATE ROUTE H-1 SAFETY IMPROVEMENTS
PALALAI INTERCHANGE TO WAIKAWA OVERPASS
FAP NO. HSIP-HI-1(270)

Scale: As Noted Date: July 26, 2018

SHEET No. S9.13 OF 13 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

DRAWING NAME: 2100-010-010-01-01 SAFETY IMPROVEMENTS PALALAI IC-WAIAWA-101 CAD: 08-08-18 HW: CMTS JS FOR WISIT-S909 SITE 088 ENDPOSTING PLOT TIME: 08-08-18, 8:30 AM