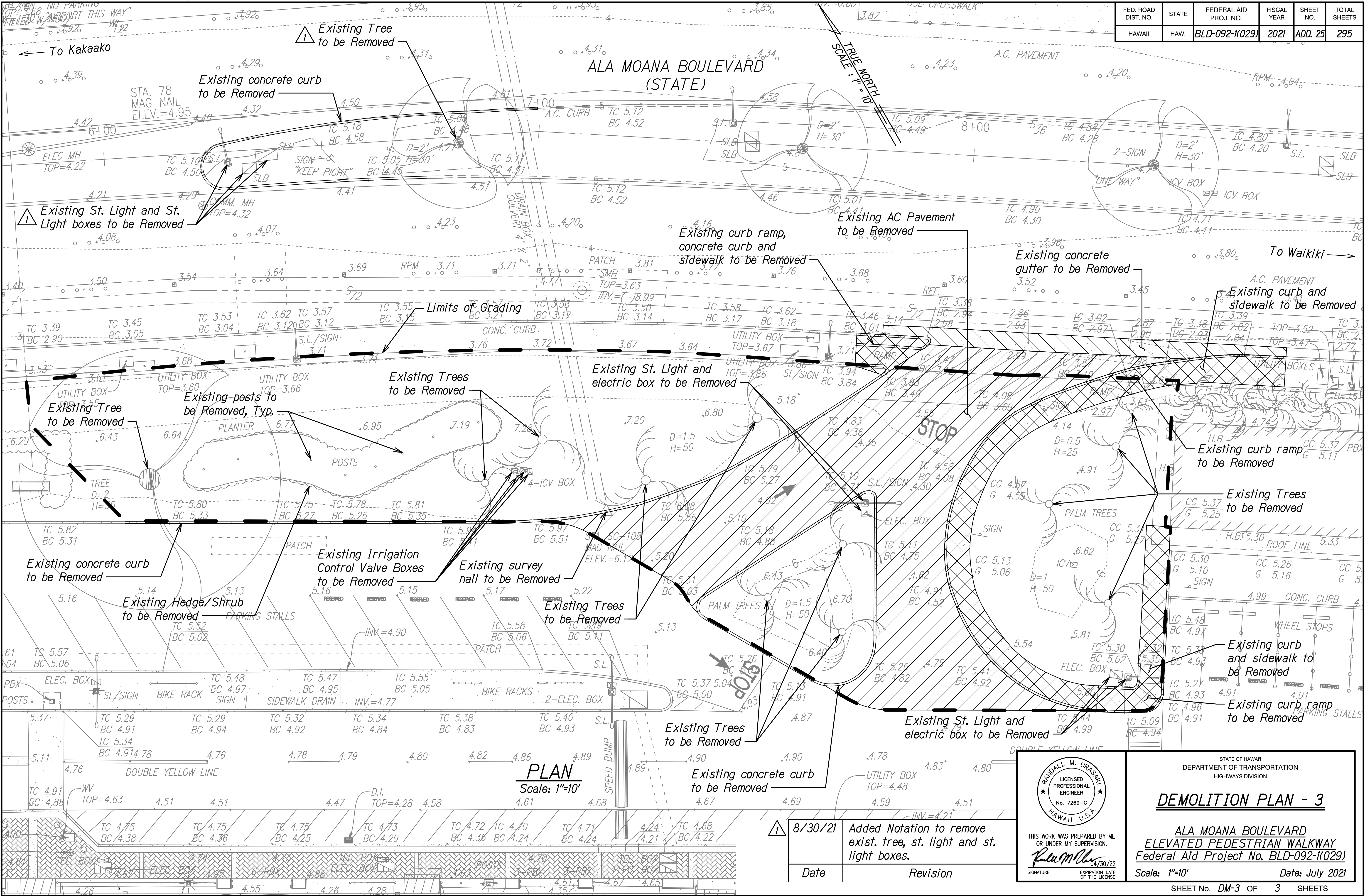


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 25	295



DATE	8/30/21
ORIGINAL PLAN	8/30/21
SURVEY PLOTTED BY	8/30/21
DRAWN BY	8/30/21
TRACED BY	8/30/21
DESIGNED BY	8/30/21
NOTED BY	8/30/21
QUANTITIES BY	8/30/21
CHECKED BY	8/30/21

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DEMOLITION PLAN - 3

**ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)**

Scale: 1"=10' Date: July 2021

SHEET No. DM-3 OF 3 SHEETS

ADD. 25

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HA\01 CAD\08-30-21 AD01\AMP-50003 GENNOTES ADD1.DWG PLOT TIME: 08-30-21 11:15 AM

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

STRUCTURAL GENERAL NOTES:

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 119	295

10. General Construction Notes:

- A. The Contractor shall verify all site conditions and not rely upon these plans for existing elevations and azimuths, existing utility location, roads, roadway gutters, curbs and sidewalks, etc. Conditions may differ from those shown.
- B. The Contractor shall verify the location of all utility lines and notify the respective owners before commencing with excavation, and any temporary piling or sheeting.
- C. The Contractor shall be solely responsible for the protection of adjacent properties, utilities and existing and new structures from damage due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.
- D. Except as otherwise noted, all vertical dimensions are measured plumb.
- E. Construction joints may be relocated or additional ones added subject to the approval of the Engineer.
- F. Unless otherwise noted, all exposed concrete edges shall be chamfered 3/4"x3/4".
- G. The Contractor shall submit working drawings and calculations for the proposed bracing/shoring details needed to protect the existing structures when subjected to loading from equipment, drilled shaft rigs, cranes, vehicles and fresh concrete, etc. The Contractor shall also submit working drawings and calculations for the proposed launching system (if required). All drawings and calculations shall be stamped by a State of Hawaii licensed Structural Engineer and a licensed Civil Engineer specializing in geotechnical engineering. The above work, including working drawings and calculations, shall be incidental to any structure excavation. The drawings and calculations shall be found acceptable by the Engineer before any construction work is to proceed.
- H. Construction joints between separate pours shall not be feather edged, unless otherwise noted. All joints shall be made square and vertical for the entire thickness of the new pour prior to pouring, except as directed by the Engineer.
- I. Construction joints shall be roughened to 1/4" amplitude, cleaned, and SSD prior to placement of concrete.
- J. For the installation of anchor bolts for lighting standards, the Contractor shall provide rigid templates to maintain the proper locations and shall protect such anchor bolts at all times during the construction period. Anchor bolts shall be installed with misalignments of less than 1:40 from vertical. After installation, firm contact shall exist between the anchor bolt nuts, washers, and base plate on any anchor bolt installed in a misaligned position.

10. General Construction Notes (Continued):

- K. Top of abutment shelf and pier below precast planks shall be finished with a steel trowel to a smooth level surface to the elevation shown on the plans. Grind down high spots as needed to provide an even bearing surface to 1/16"+ tolerance. Apply slush grout layer immediately prior to setting of planks on abutment sides only.
- L. The Contractor shall provide a template including details showing exact location of rebar so that no interference will occur between vertical drilled shaft reinforcement and horizontal reinforcement in the drilled shaft cap beam or abutments.
- M. The Contractor shall be required to keep a copy of ACI MNL-15(20) manual in the field office at all times for reference during construction of the project.
- N. Aggregate Base shall be compacted to a minimum 95% compaction as determined by AASHTO T-180 / ASTM D1557.
- O. During construction of the AMEPW bridge structure, the Contractor shall maintain a minimum 15'-6" clearance from the bridge structure (including any temporary falsework) to the roadway below.

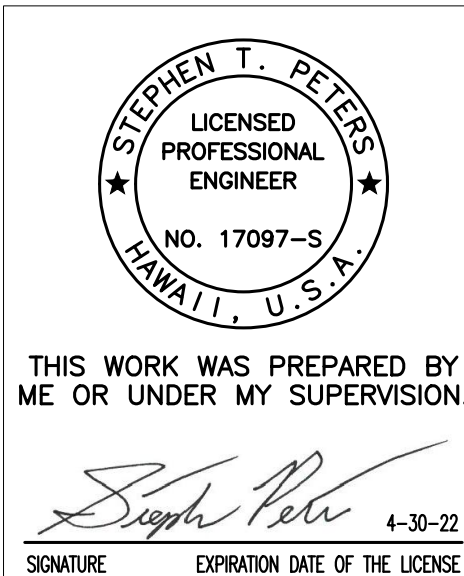
11. Foundation Notes:

- A. The Foundation Design is based upon recommendations contained in the geotechnical engineering report prepared by Geolabs, Inc. with subject title "Geotechnical Engineering Exploration, Ala Moana Boulevard, Elevated Pedestrian Walkway, Federal Aid Project No. BLD-092-1(029), Honolulu, Oahu, Hawaii" dated June 1, 2021.
- B. Design Soil Parameters
- (1) Static lateral earth pressure of lightweight soil mix (above groundwater)
- (a) Active condition
- = 27 pcf (level backfill)
- = 44 pcf Horizontal (2H:1V sloping backfill)
- = 22 pcf Vertical (2H:1V sloping backfill)
- (b) At-rest condition
- = 40 pcf (level backfill)
- = 55 pcf Horizontal (2H:1V sloping backfill)
- = 28 pcf Vertical (2H:1V sloping backfill)

11. Foundation Notes (Continued):

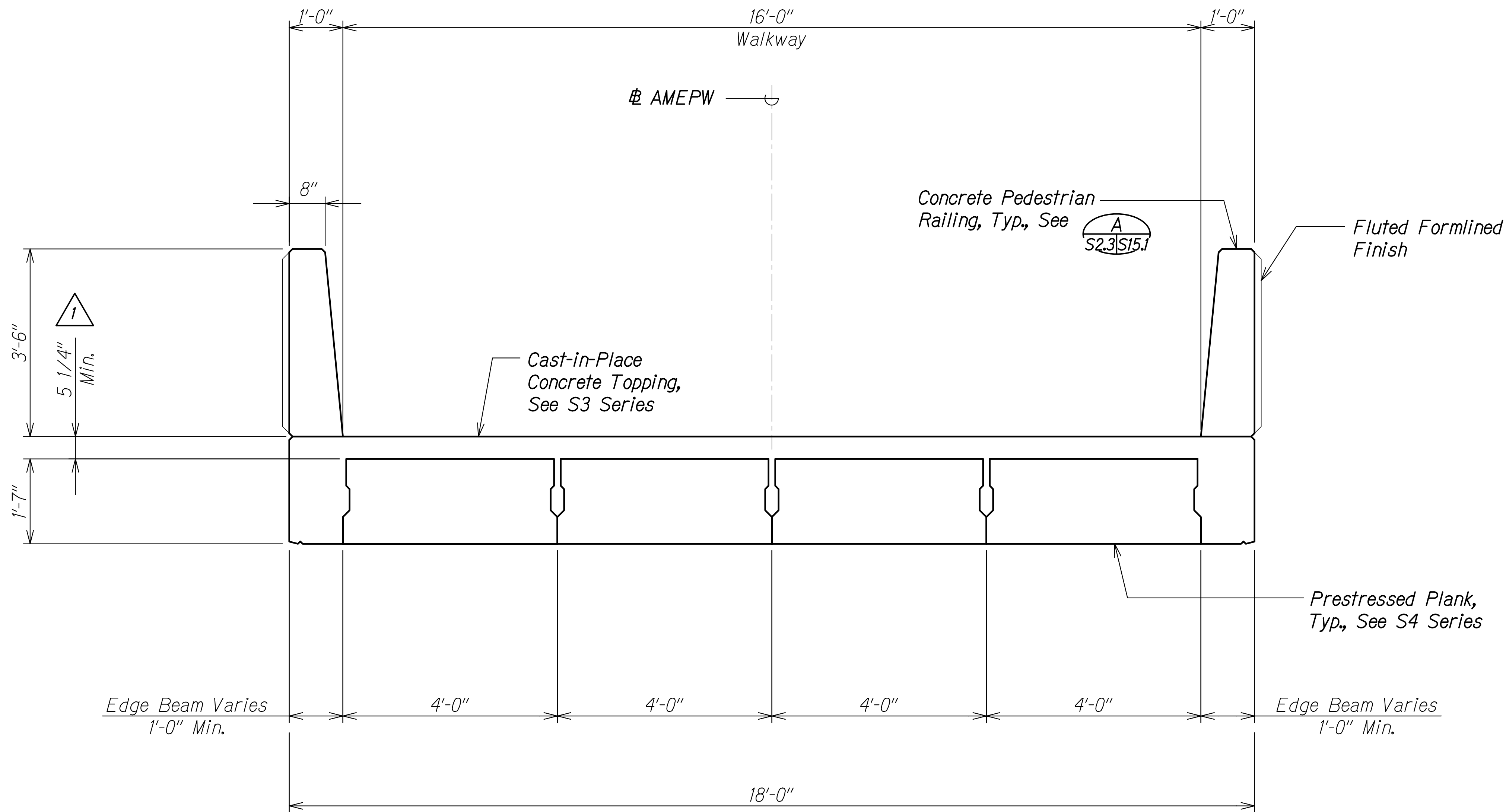
- (2) Dynamic lateral earth pressure
- (a) Active condition, level backfill = 3.7H psf (rectangular distribution)
- (b) At-rest condition, level backfill = 8.1H psf (rectangular distribution)
- *where H = Height of Wall in feet

1

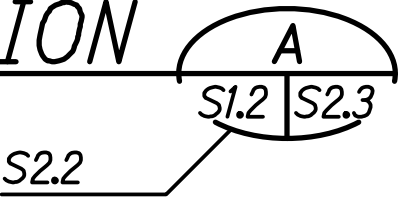


8/30/21	Revised Note
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STRUCTURAL GENERAL NOTES ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029) Scale: None Date: July 2021	
SHEET No. S0.5 OF 6 SHEETS	

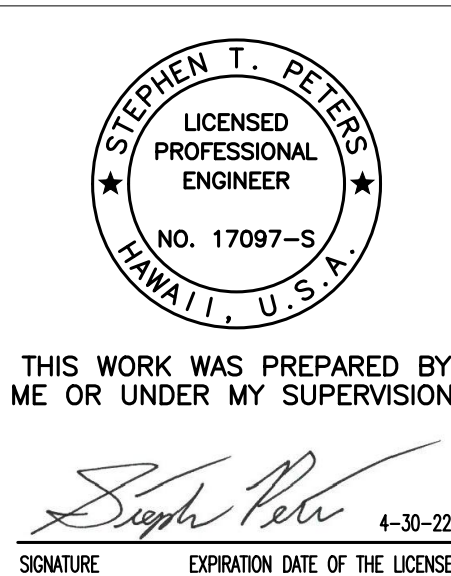
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 142	295



BRIDGE TRANSVERSE SECTION
Scale: 3/4" = 1'-0"



8/30/21	Revised Dimension
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRANSVERSE SECTION

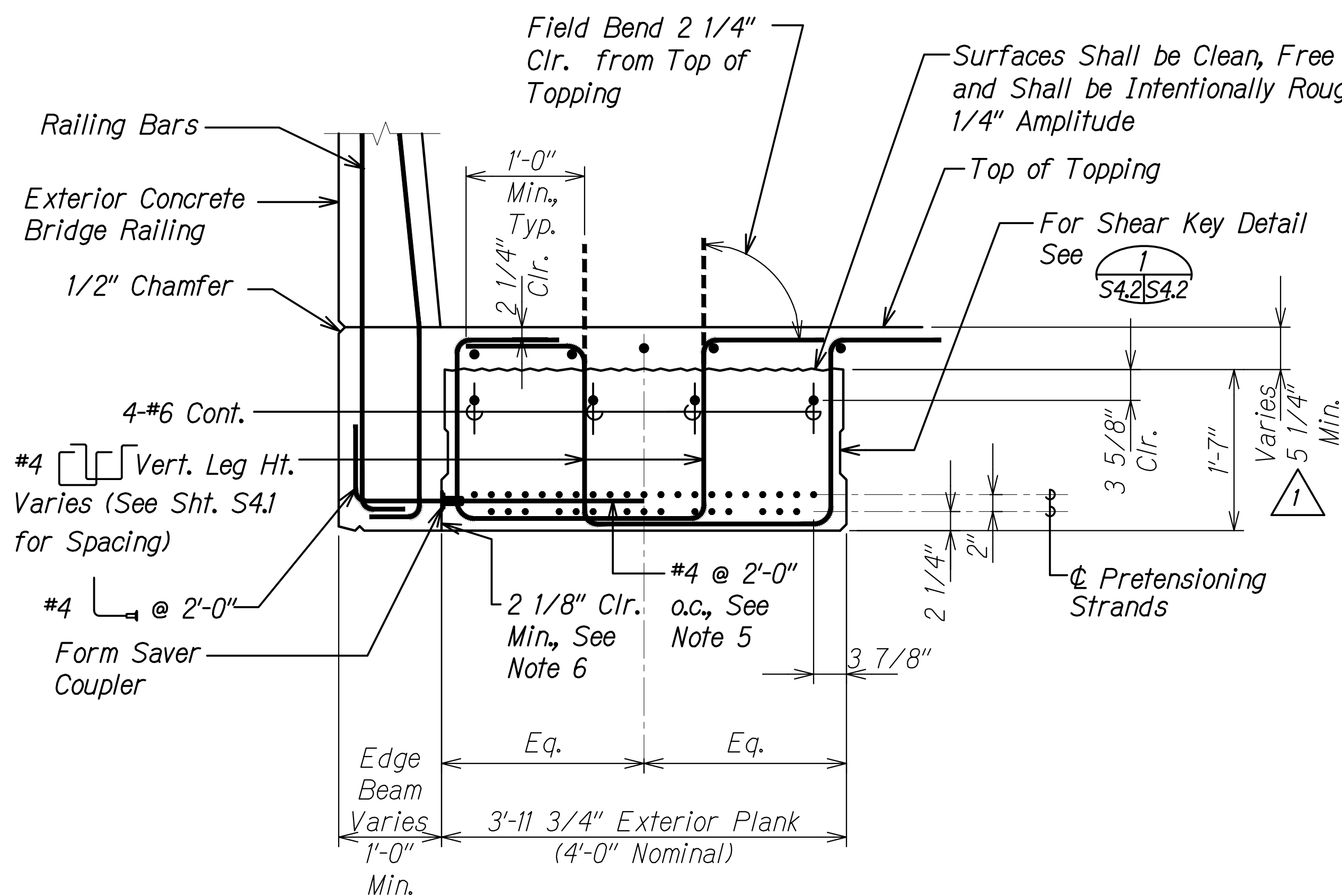
**ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)**

Scale: As Noted Date: July 2021

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

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HH\01 CAD\08-30-21 ADD1\AMP-50203 TRNSV SECT ADD1.DWG PLOT TIME: 08-30-21, 11:15 AM)

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 147	295

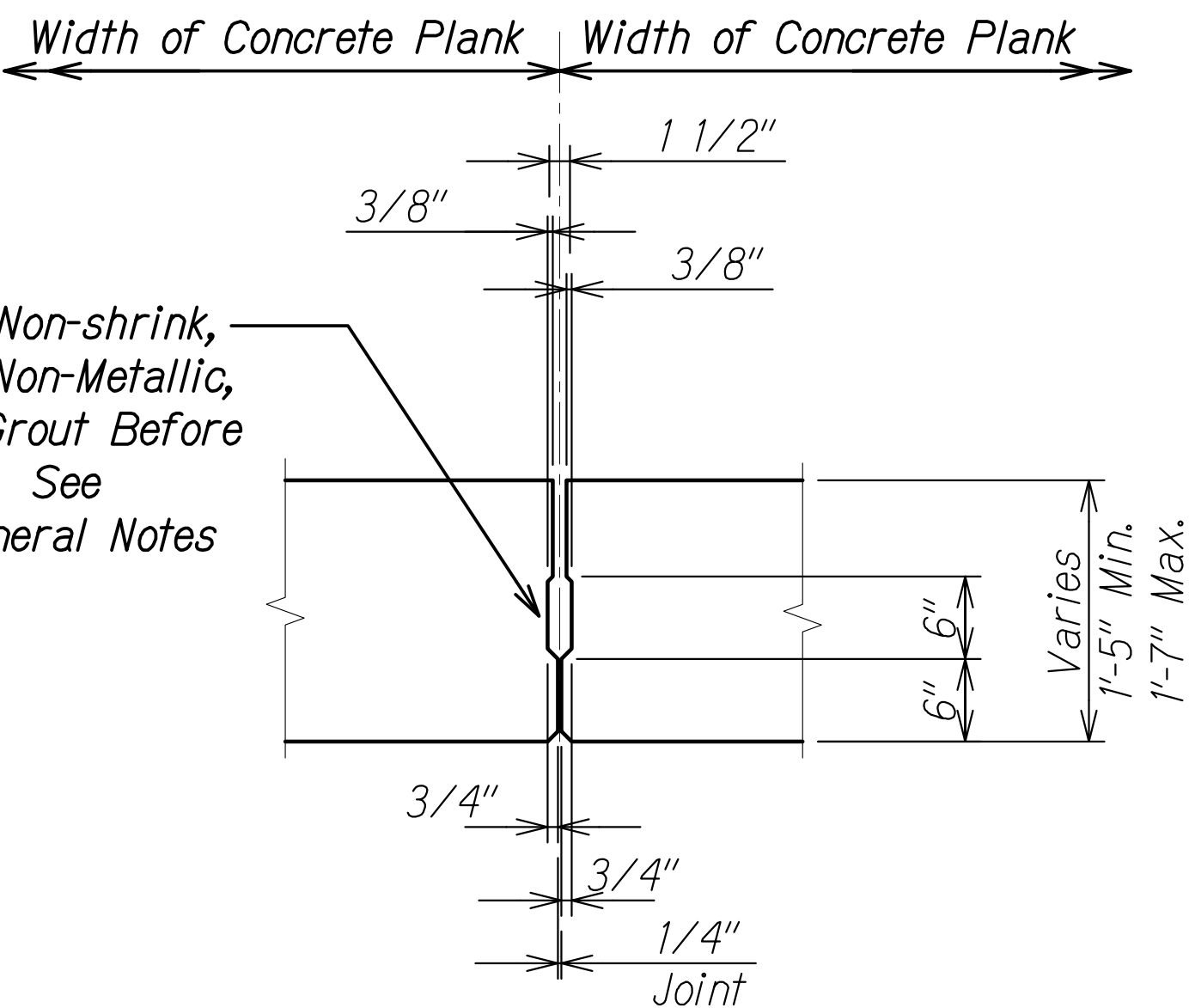


EXTERIOR PLANK A
Scale: 1" = 1'-0" S4.1 S4.2

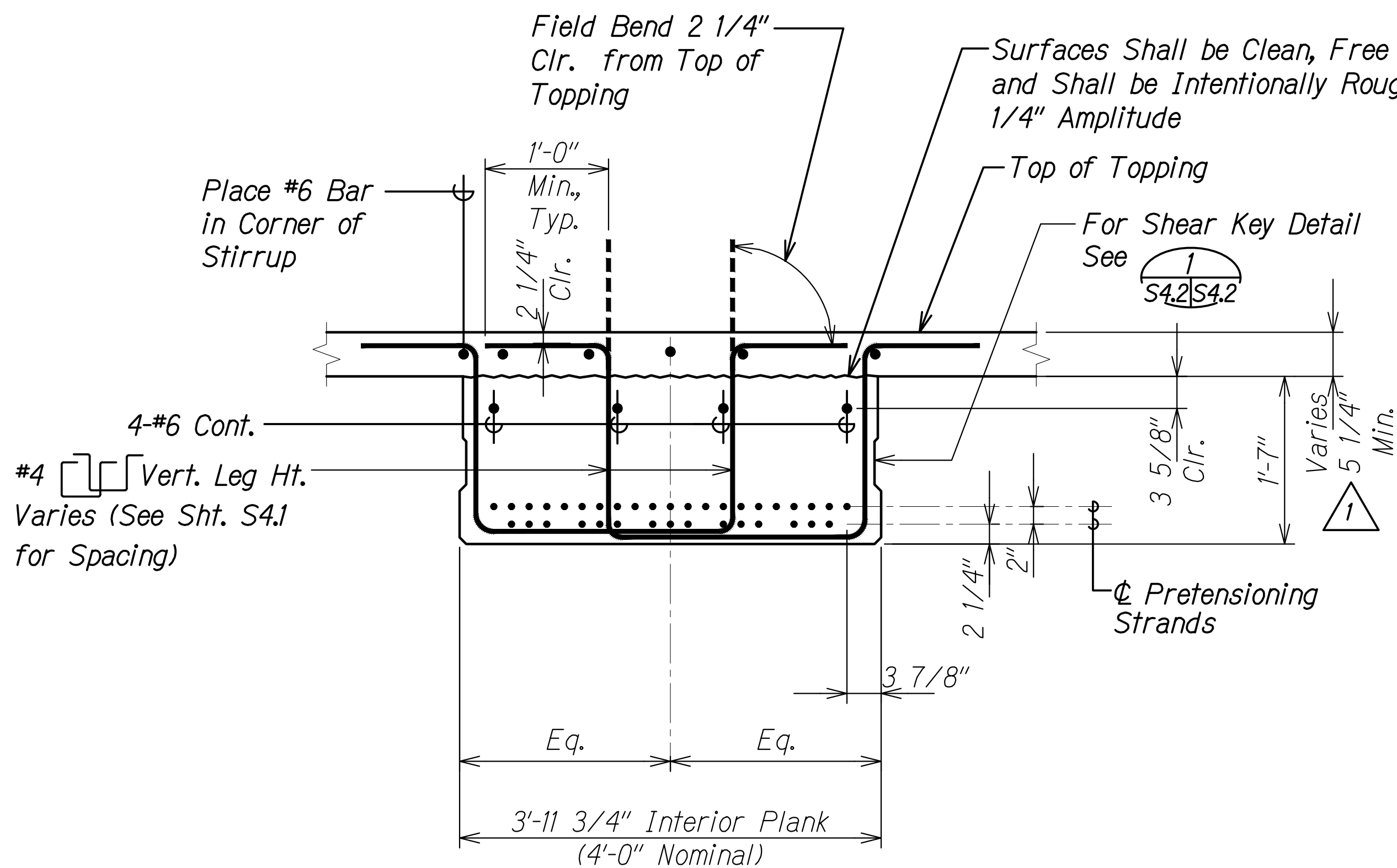
Notes:

- See sheet S3.1 for topping reinforcing.
- For location of stirrups, see sheet S4.1.
- Adjacent planks not shown for clarity.
- #5 not shown for clarity.
- #4 bars to be placed tight against bottom side of strands.
- Clearance shall be taken to the edge of the formsaver mounting plate.

Fill Key with Non-shrink, Non-Gaseous, Non-Metallic, Cementitious Grout Before Pouring Deck. See Structural General Notes



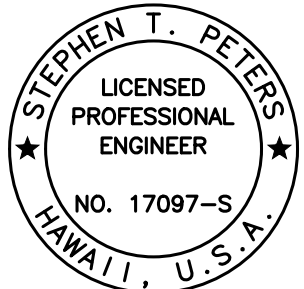
SHEAR KEY DETAIL 1
Scale: 1" = 1'-0" S4.2 S4.2
S4.3



INTERIOR PLANK B
Scale: 1" = 1'-0" S4.1 S4.2

1

DATE	REVISION
8/30/21	Revised Dimensions



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Signature: Stephen T. Peters
EXPIRATION DATE OF THE LICENSE: 4-30-22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANK SECTIONS AND DETAIL

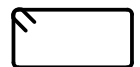
ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

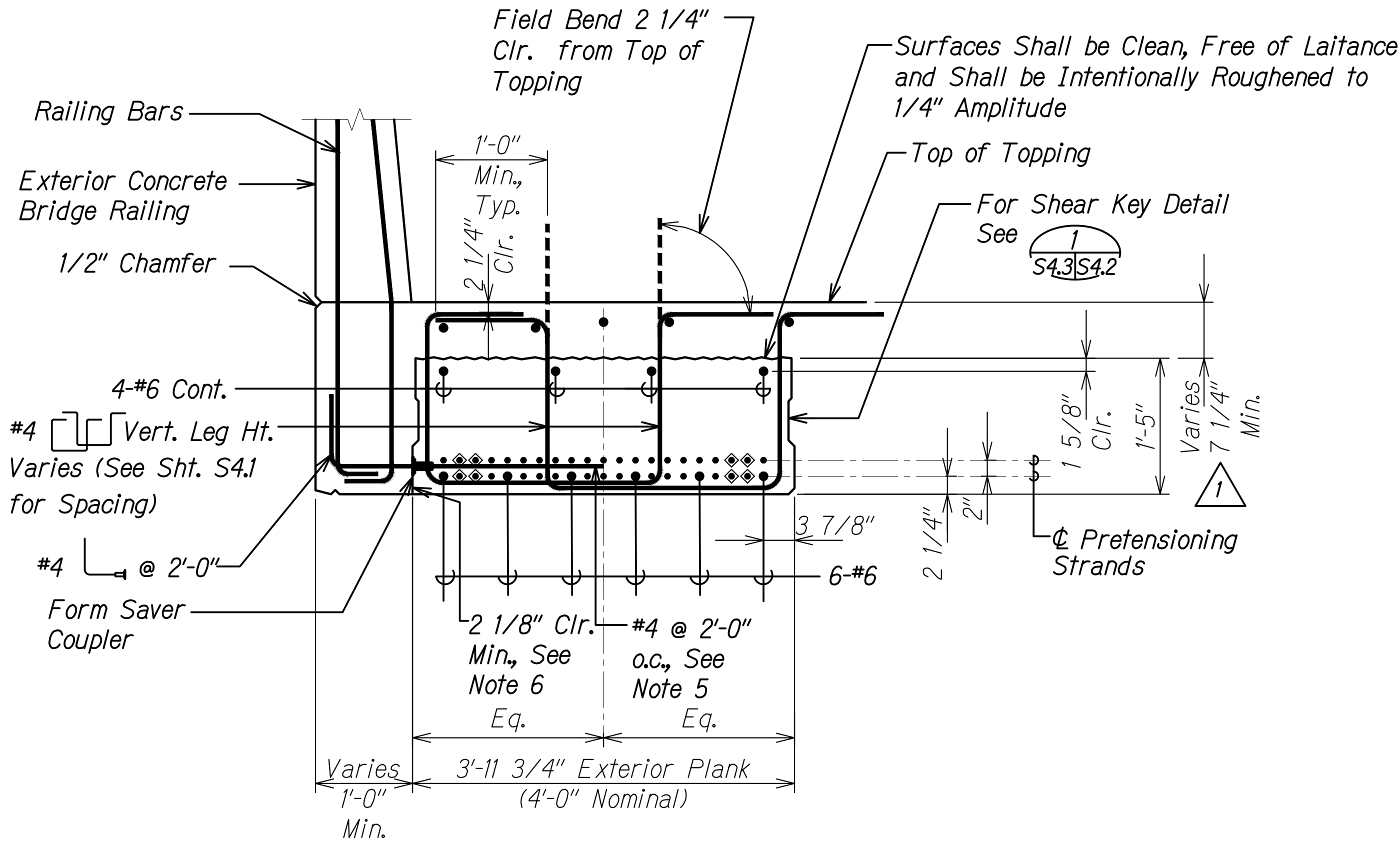
Scale: As Noted Date: July 2021

SHEET No. S4.2 OF 5 SHEETS

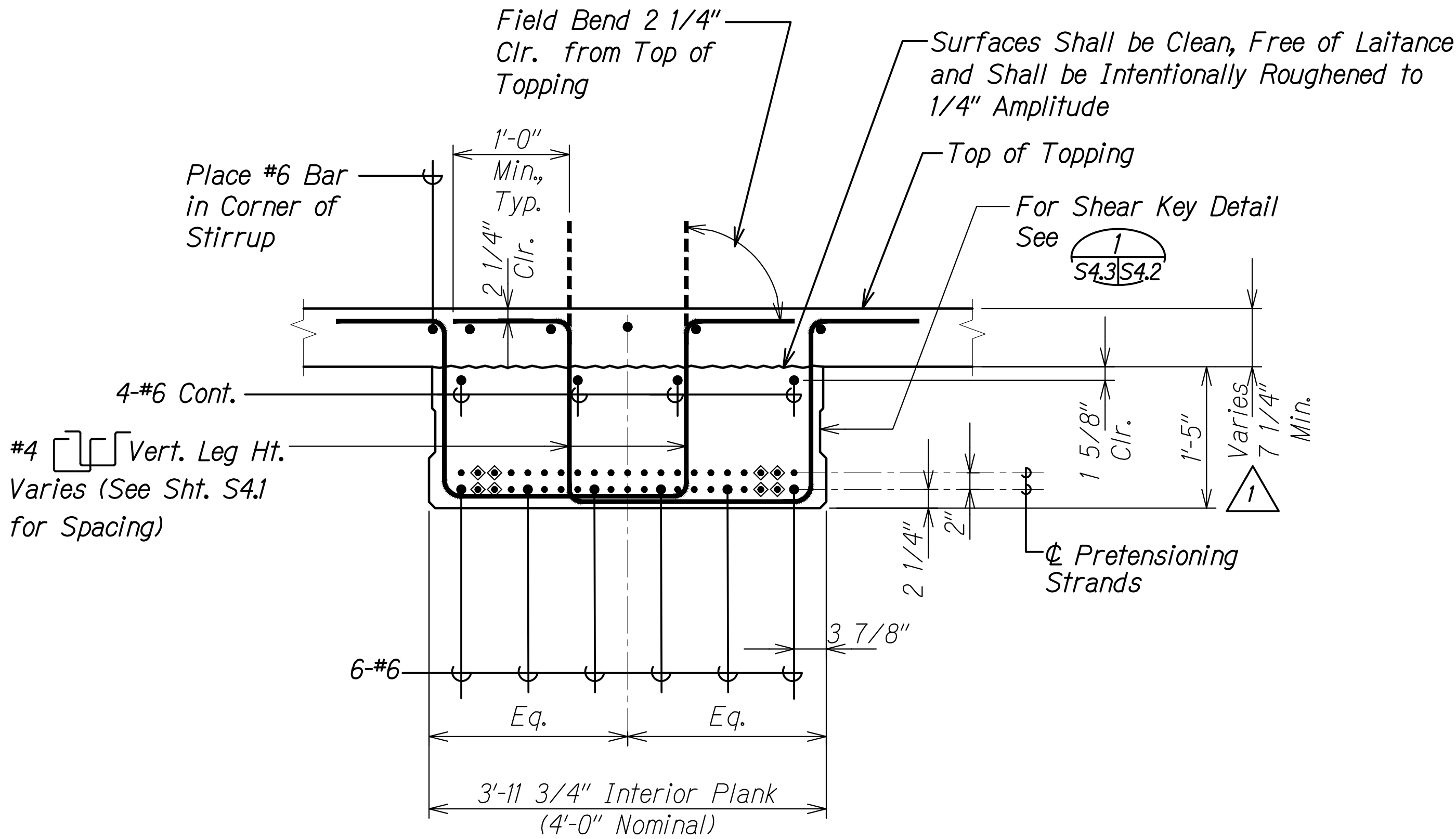
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 148	295

Legend for Int. & Ext. Planks:
◆ Mask strands 6'-0" from ends

- Notes:
- See sheet S3.1 for topping reinforcing.
 - For location of stirrups, see sheet S4.1.
 - Adjacent planks not shown for clarity.
 - #5  not shown for clarity.
 - #4 bars to be placed tight against bottom side of strands.
 - Clearance shall be taken to the edge of the formsaver mounting plate.



EXTERIOR PLANK **A**
Scale: 1" = 1'-0" **S4.1 S4.3**

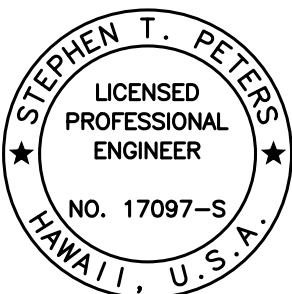


INTERIOR PLANK **B**
Scale: 1" = 1'-0" **S4.1 S4.3**

1

8/30/21 Revised Dimensions

DATE REVISION



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Stephen Peters
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANK SECTIONS

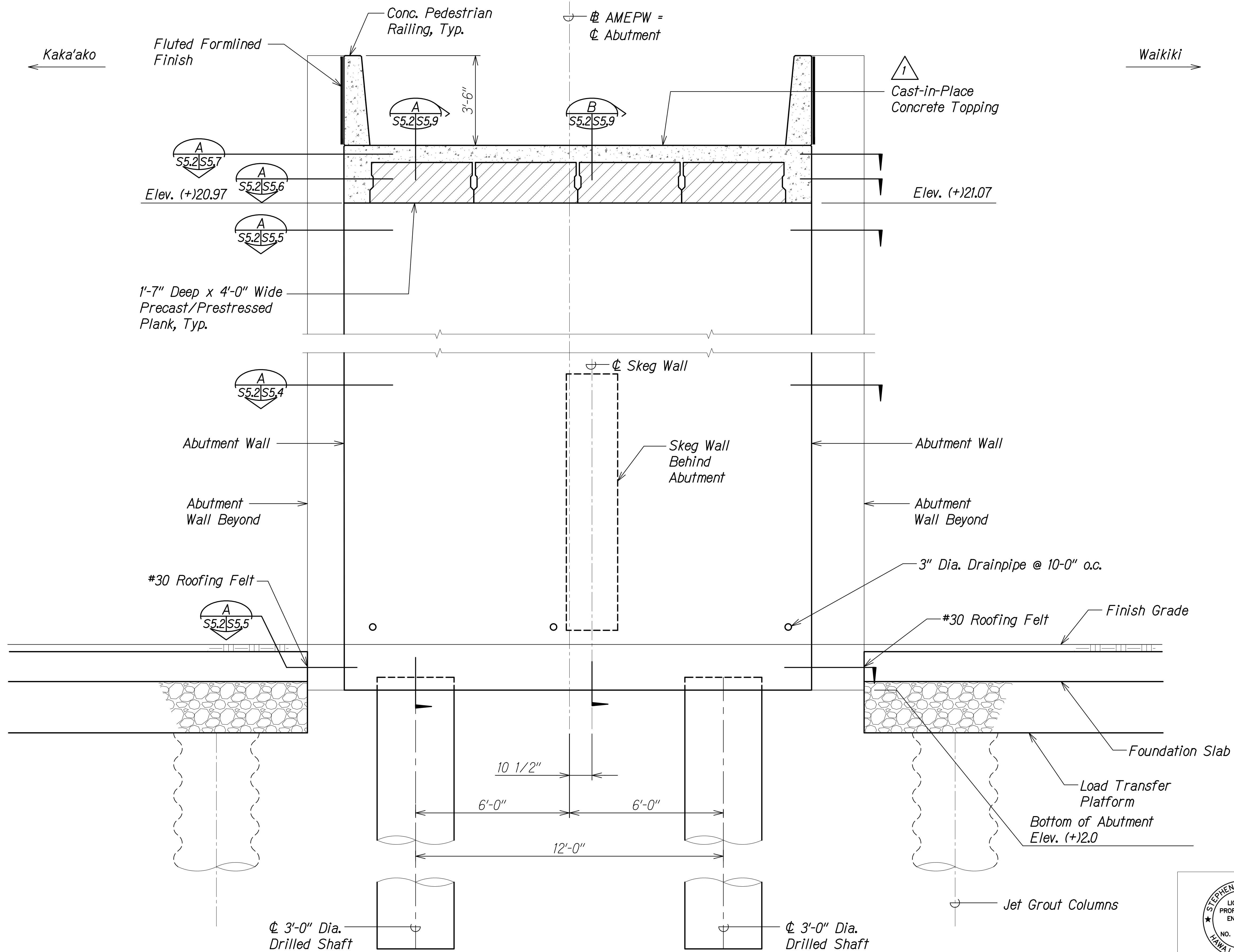
**ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)**

Scale: As Noted Date: July 2021

SHEET No. S4.3 OF 5 SHEETS

ADD. 148

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 152	295



ABUTMENT NO. 1 ELEVATION
Scale: 1/2" = 1'-0"

A
S5.2/S5.2

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: *Stephen Peters* 4-30-22
EXPIRATION DATE OF THE LICENSE

1

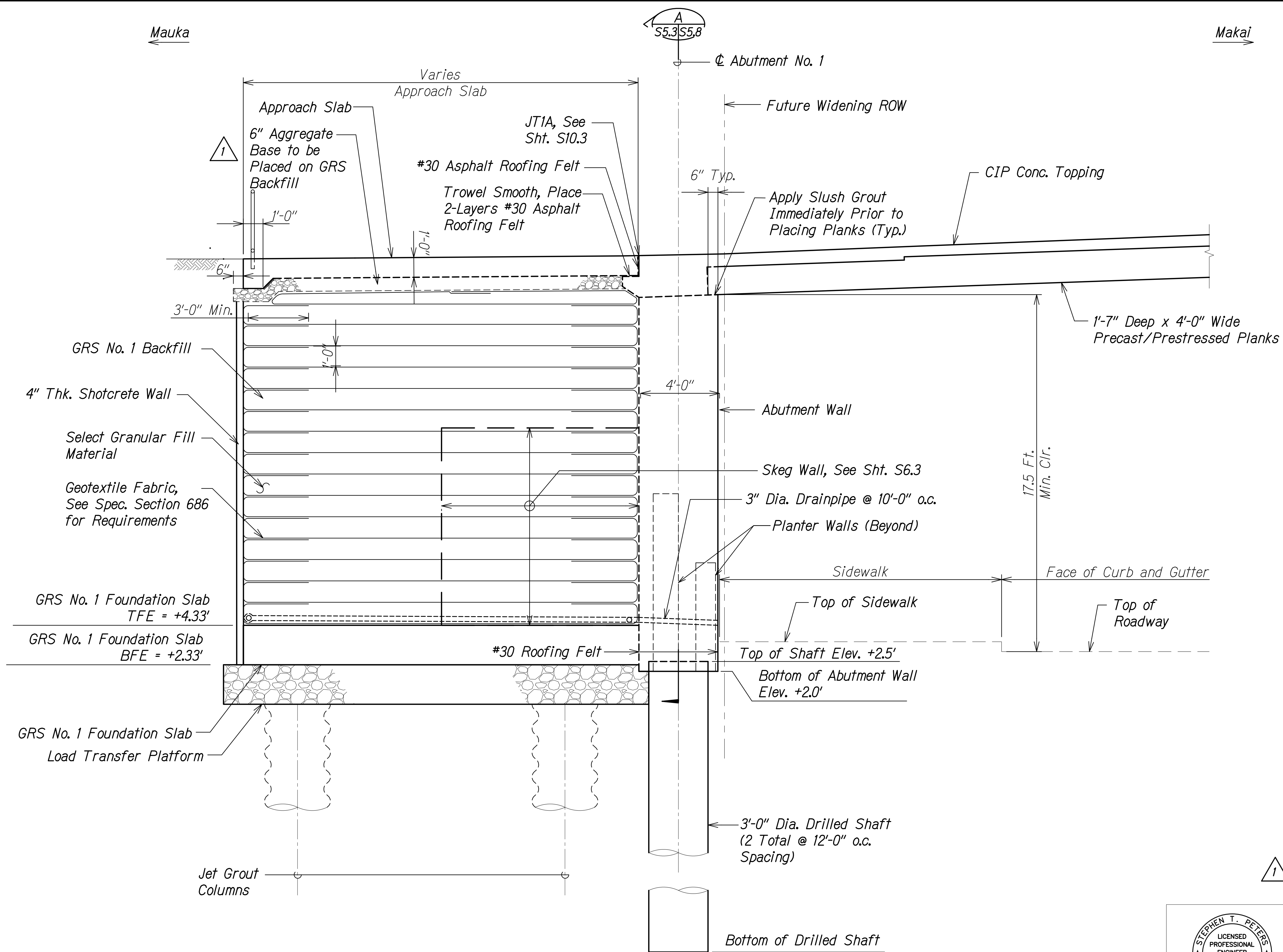
DATE	REVISION
8/30/21	Revised Note

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ABUTMENT NO. 1 ELEVATION
ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)
Scale: As Noted Date: July 2021
SHEET No. S5.2 OF 19 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 153	295

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HA\01 CAD\08-30-21 ADD1\AMP-50501 ABUT1 ADD1.DWG PLOT TIME: 08-30-21, 11:13 AM

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



SECTION AT ABUTMENT NO. 1
Scale: 3/8" = 1'-0"

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *Stephen Peters*
EXPIRATION DATE OF THE LICENSE: 4-30-22

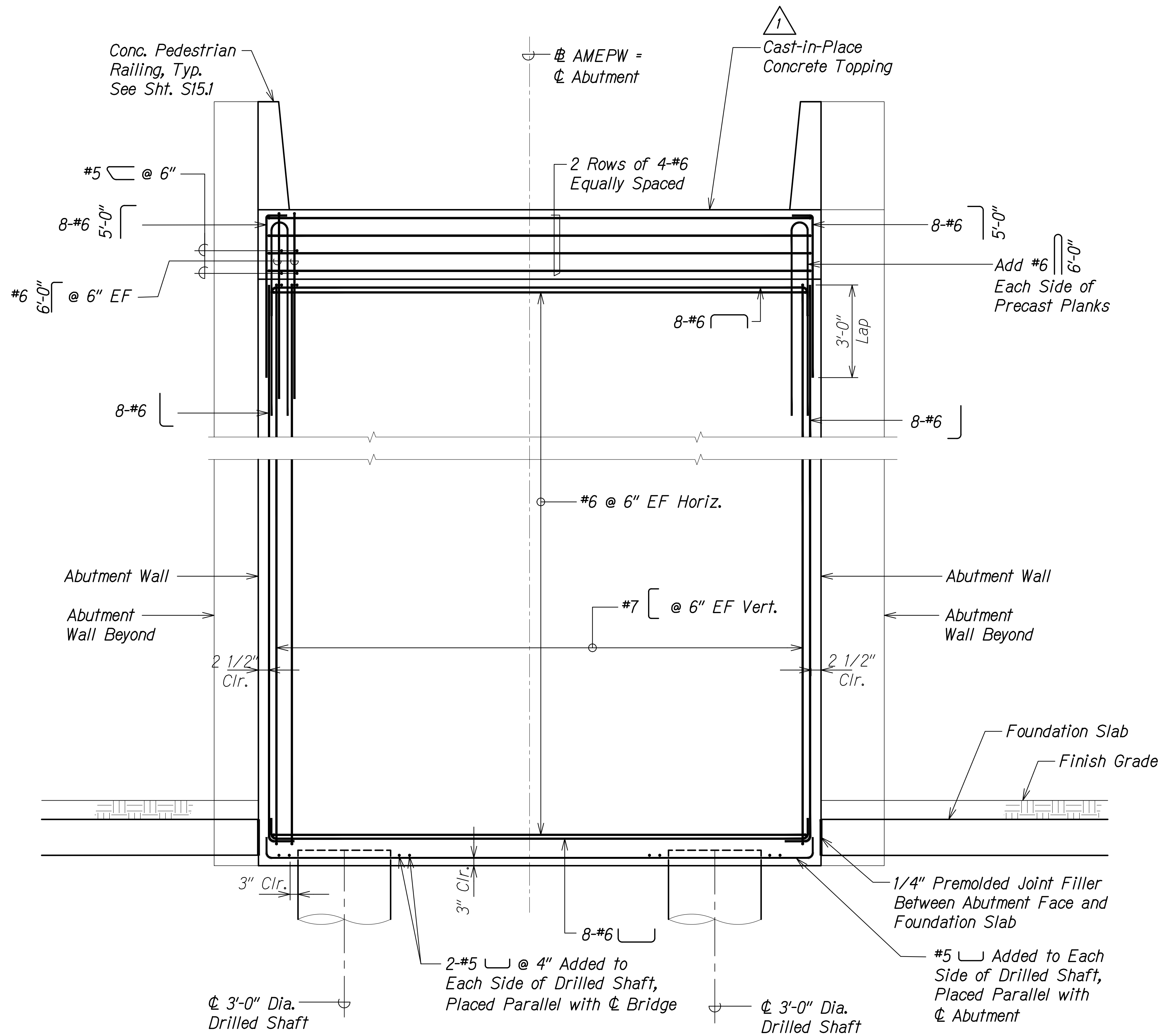
8/30/21	Revised Note
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>ABUTMENT NO. 1 SECTION</u>	
<u>ALA MOANA BOULEVARD</u> <u>ELEVATED PEDESTRIAN WALKWAY</u> <u>Federal Aid Project No. BLD-092-1(029)</u>	
Scale: As Noted	Date: July 2021

SHEET No. S5.3 OF 19 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 158	295

Kaka'ako

Waikiki



ABUTMENT NO. 1 REINFORCING ELEVATION

Scale: 1/2" = 1'-0"

A
S5.1 S5.8
S5.3

1

DATE	REVISION
8/30/21	Revised Note

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *Stephen Peters*
EXPIRATION DATE OF THE LICENSE: 4-30-22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ABUTMENT NO. 1
REINFORCING ELEVATION**

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

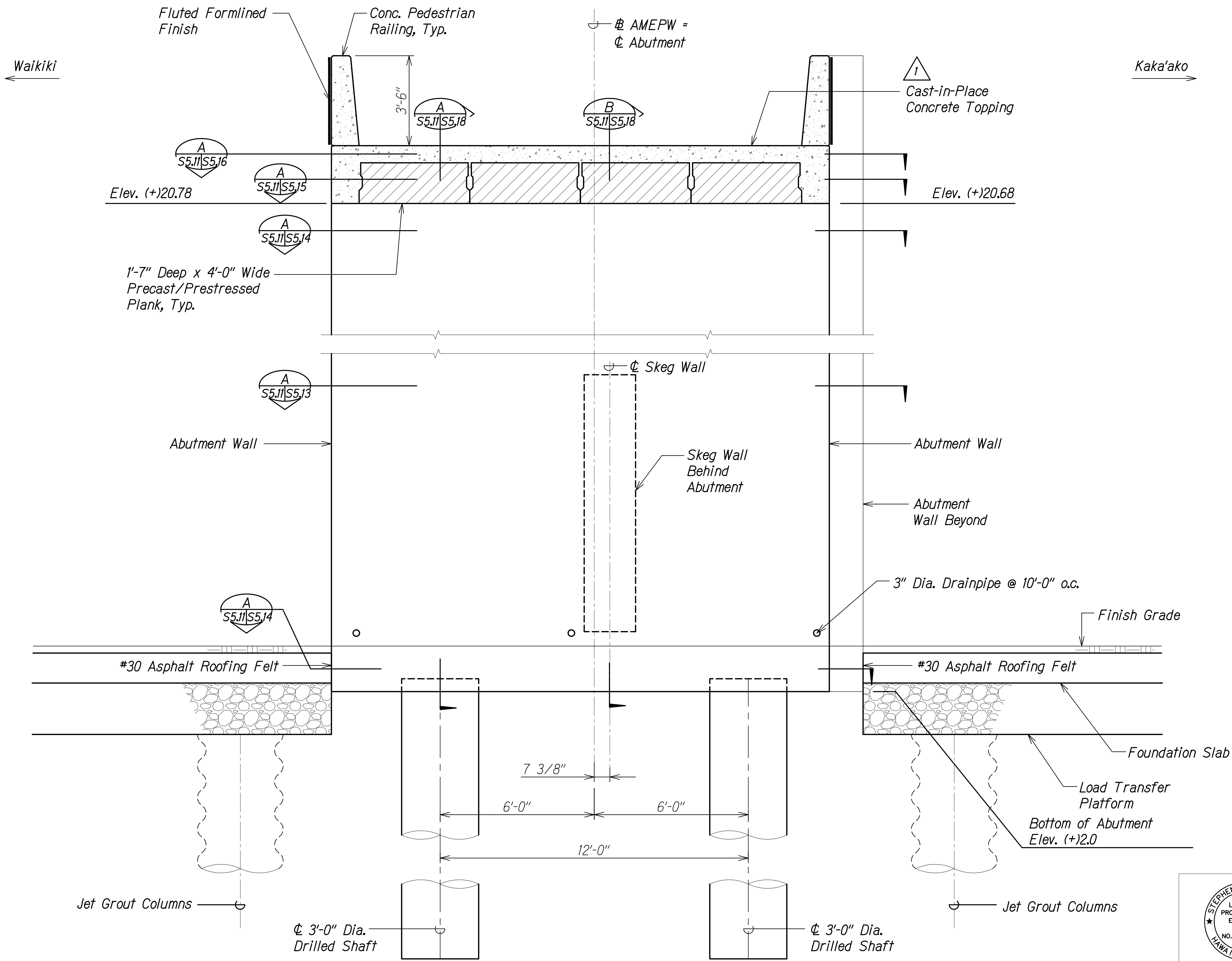
SHEET No. S5.8 OF 19 SHEETS

ADD. 158

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

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HA\01 CAD\08-30-21 ADD1\AMP-S0504 ABUT1 ADD1.DWG PLOT TIME: 08-30-21, 11:11 AM

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 161	295



ABUTMENT NO. 2 ELEVATION
Scale: 1/2" = 1'-0"

A
S5.11 | S5.11

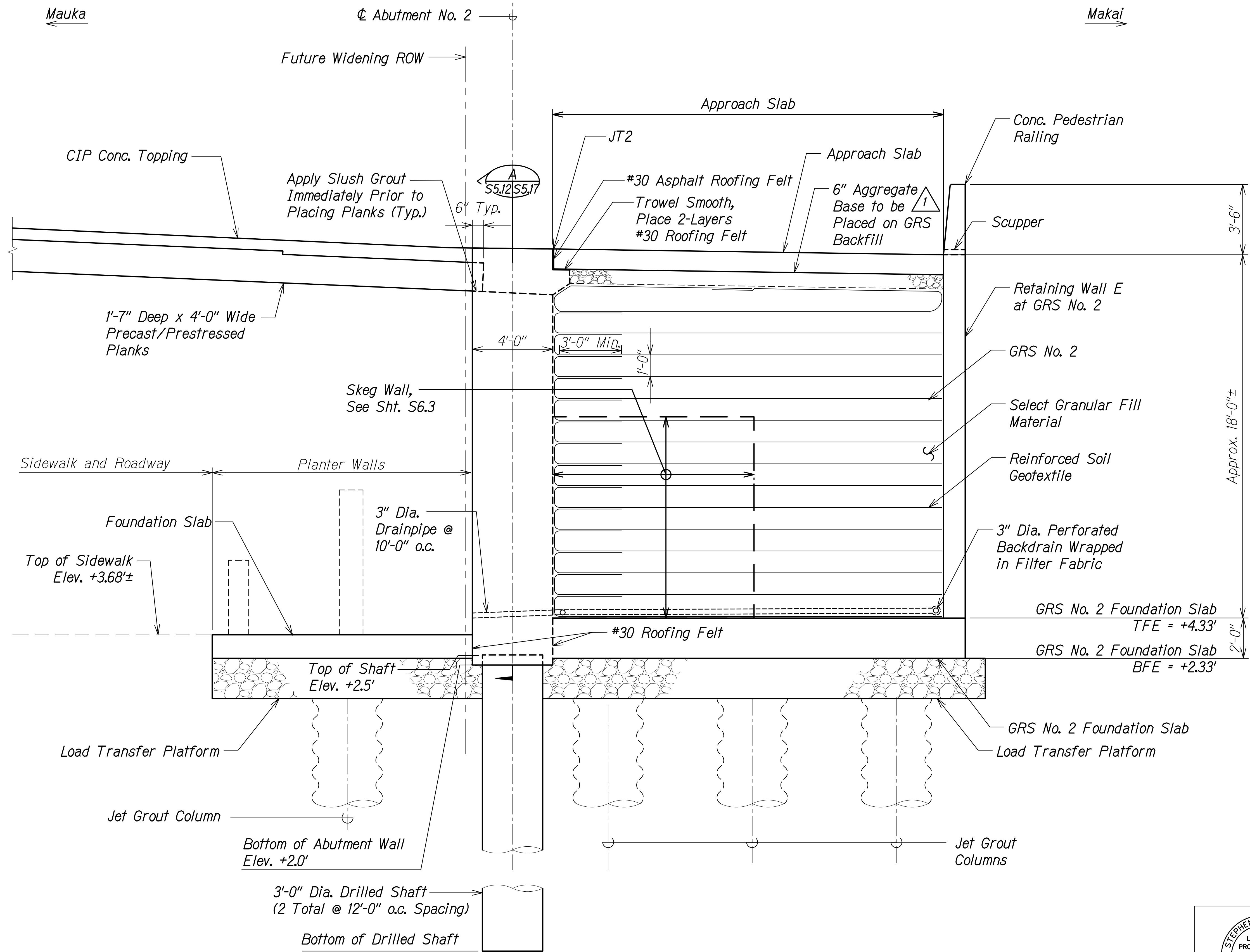
STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

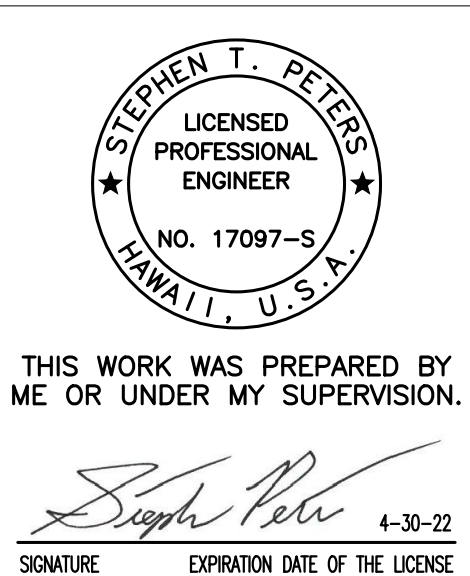
Stephen Peters
SIGNATURE
4-30-22
EXPIRATION DATE OF THE LICENSE

DATE	REVISION
8/30/21	Revised Note
ABUTMENT NO. 2 ELEVATION	
ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029)	
Scale: As Noted	Date: July 2021
SHEET No. S5.11 OF 19 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 162	295



SECTION AT ABUTMENT NO. 2
Scale: 3/8" = 1'-0"

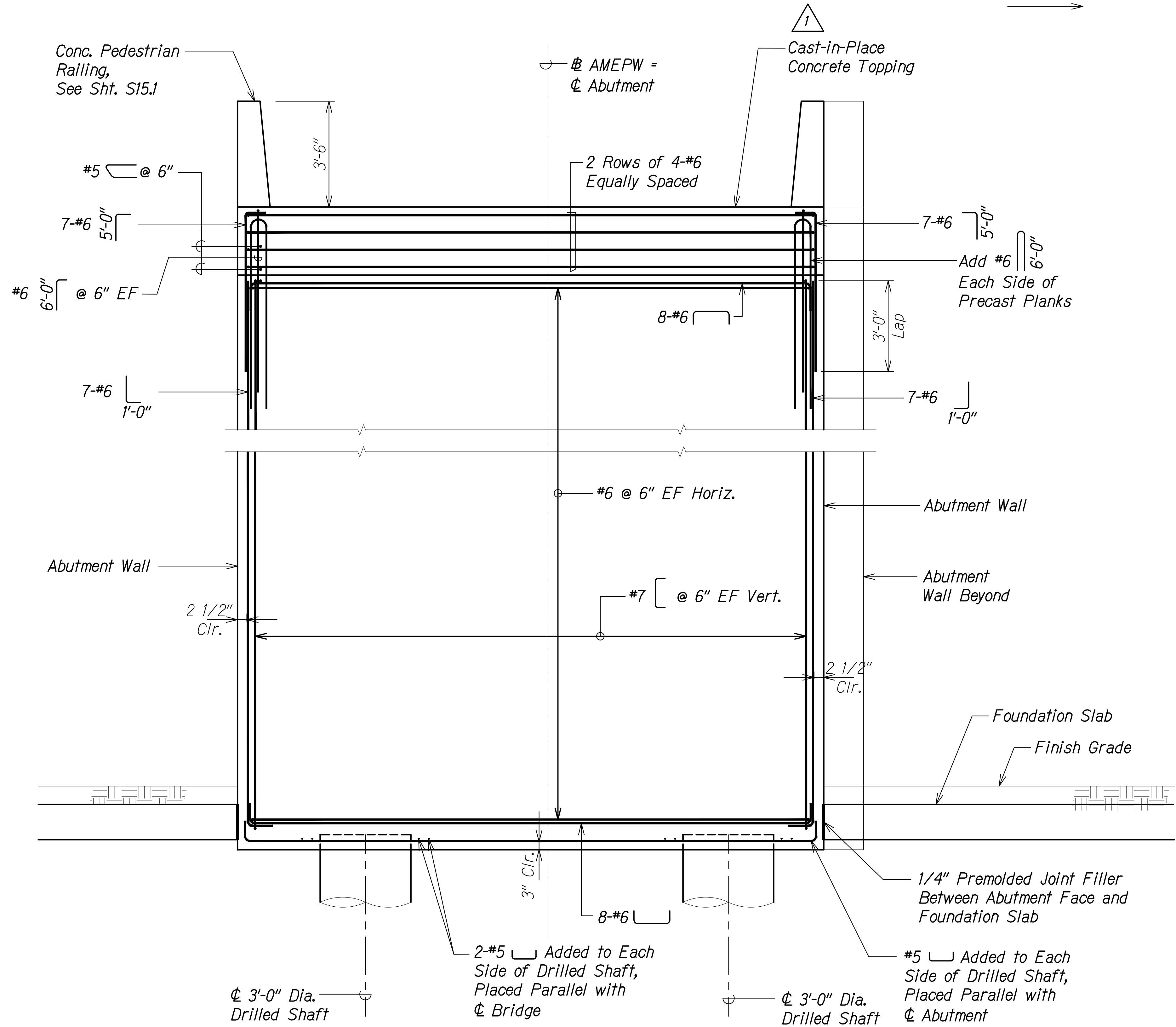


8/30/21	Revised Note
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>ABUTMENT NO. 2 SECTION</u>	
<u>ALA MOANA BOULEVARD</u> <u>ELEVATED PEDESTRIAN WALKWAY</u> <u>Federal Aid Project No. BLD-092-1(029)</u>	
Scale: As Noted	Date: July 2021

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 167	295

← Waikiki

Kaka'ako →



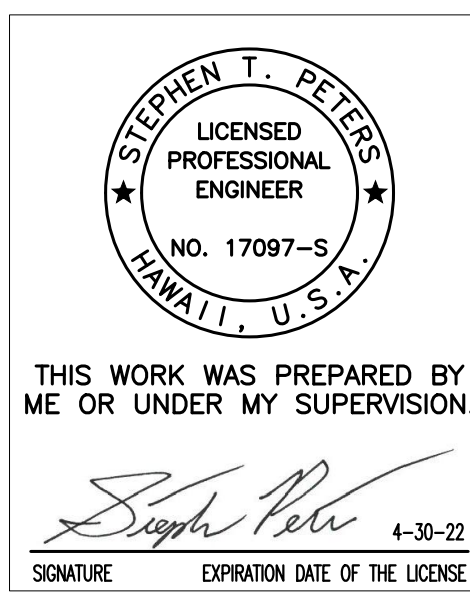
ABUTMENT NO. 2 REINFORCING ELEVATION

Scale: 1/2" = 1'-0"

A
S5.10 S5.17
S5.12

1

DATE	REVISION
8/30/21	Revised Note



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ABUTMENT NO. 2
REINFORCING ELEVATION**

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

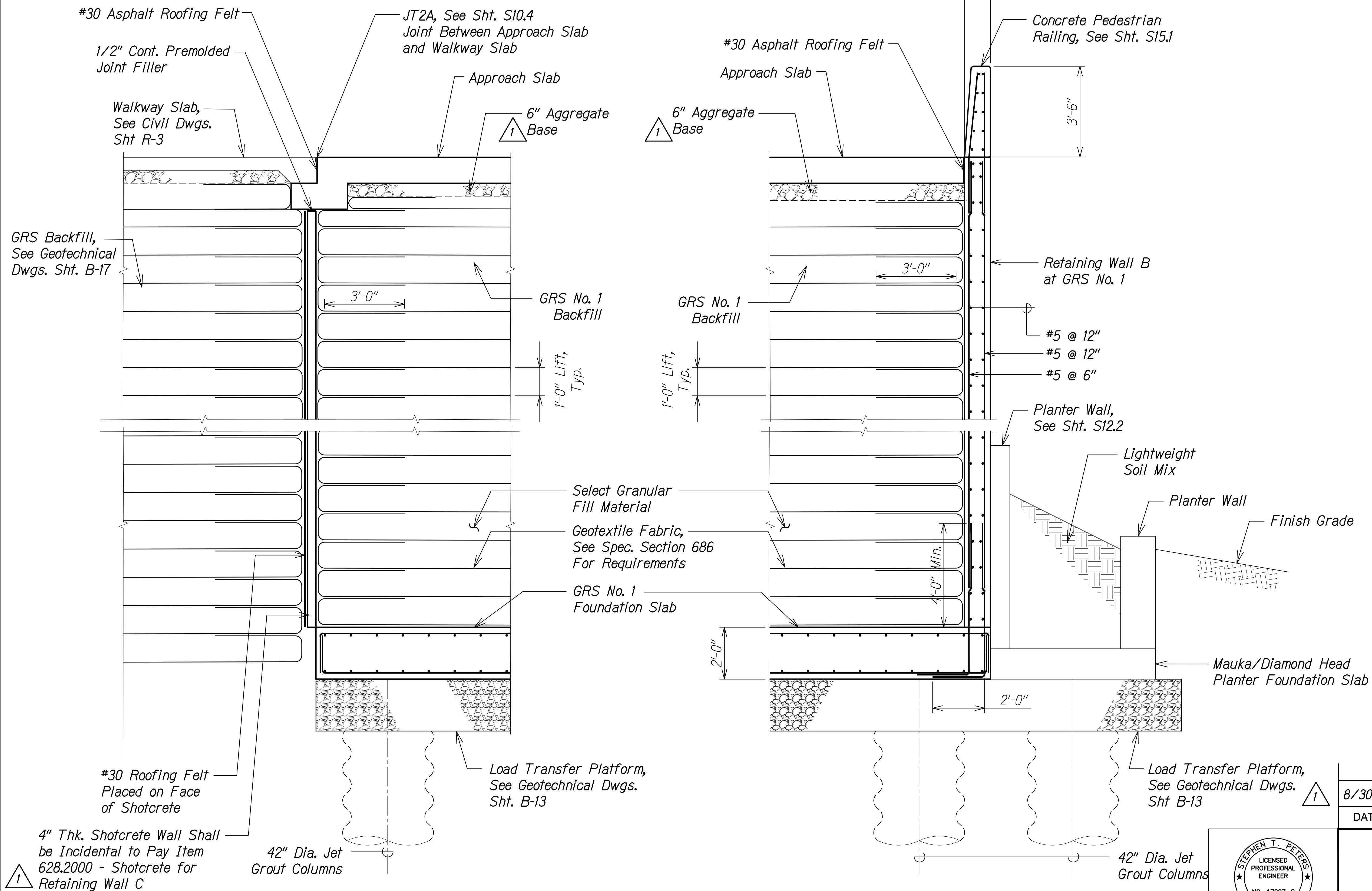
Scale: As Noted Date: July 2021

SHEET No. S5.17 OF 19 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 170	295

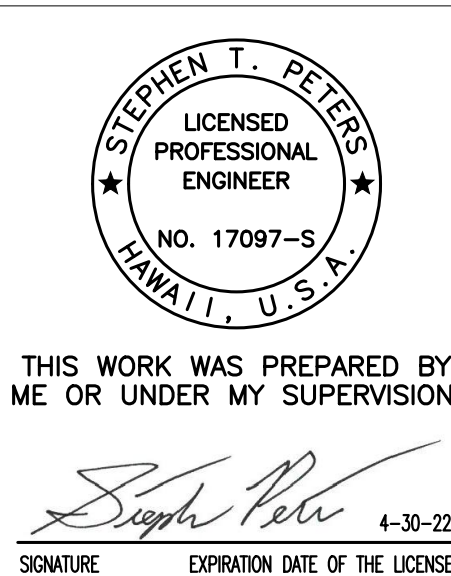
Kaka'ako

Waikiki



ABUTMENT NO. 1
GRS BACKFILL SECTION A
Scale: 1/2" = 1'-0"

ABUTMENT NO. 1
GRS BACKFILL SECTION B
Scale: 1/2" = 1'-0"



DATE	REVISION
8/30/21	Revised and Added Notes

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ABUTMENT NO. 1
GRS SECTION

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

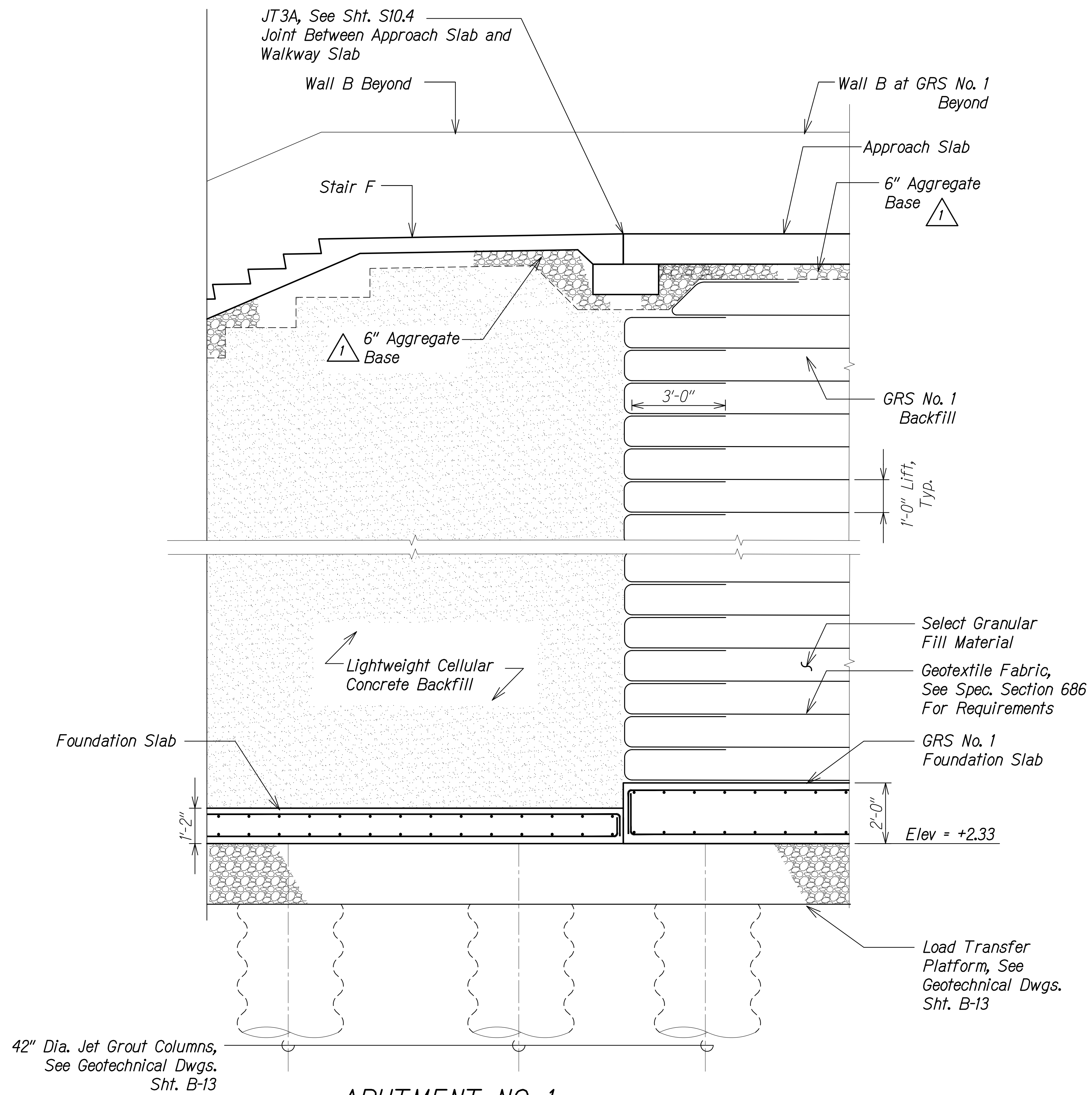
SHEET No. S6.1 OF 4 SHEETS

ADD. 170

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 171	295

Mauke ←

→ Makai

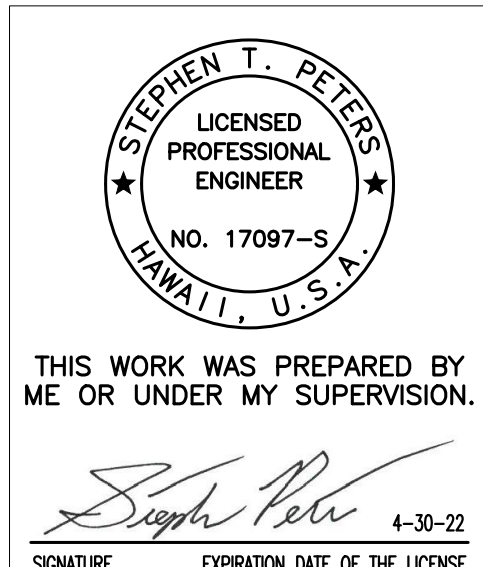


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	NOTE BOOK
No.	No.

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HH\01 CAD\08-30-21 ADD\AMP-50601 GRS SECT ADD1.DWG PLOT TIME: 08-30-21, 11:21 AM

ABUTMENT NO. 1
GRS BACKFILL SECTION A
Scale: 1/2" = 1'-0"
S5.1 S6.2



1	8/30/21	Revised Note
DATE	REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ABUTMENT NO. 1 GRS SECTION ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029) Scale: As Noted Date: July 2021		

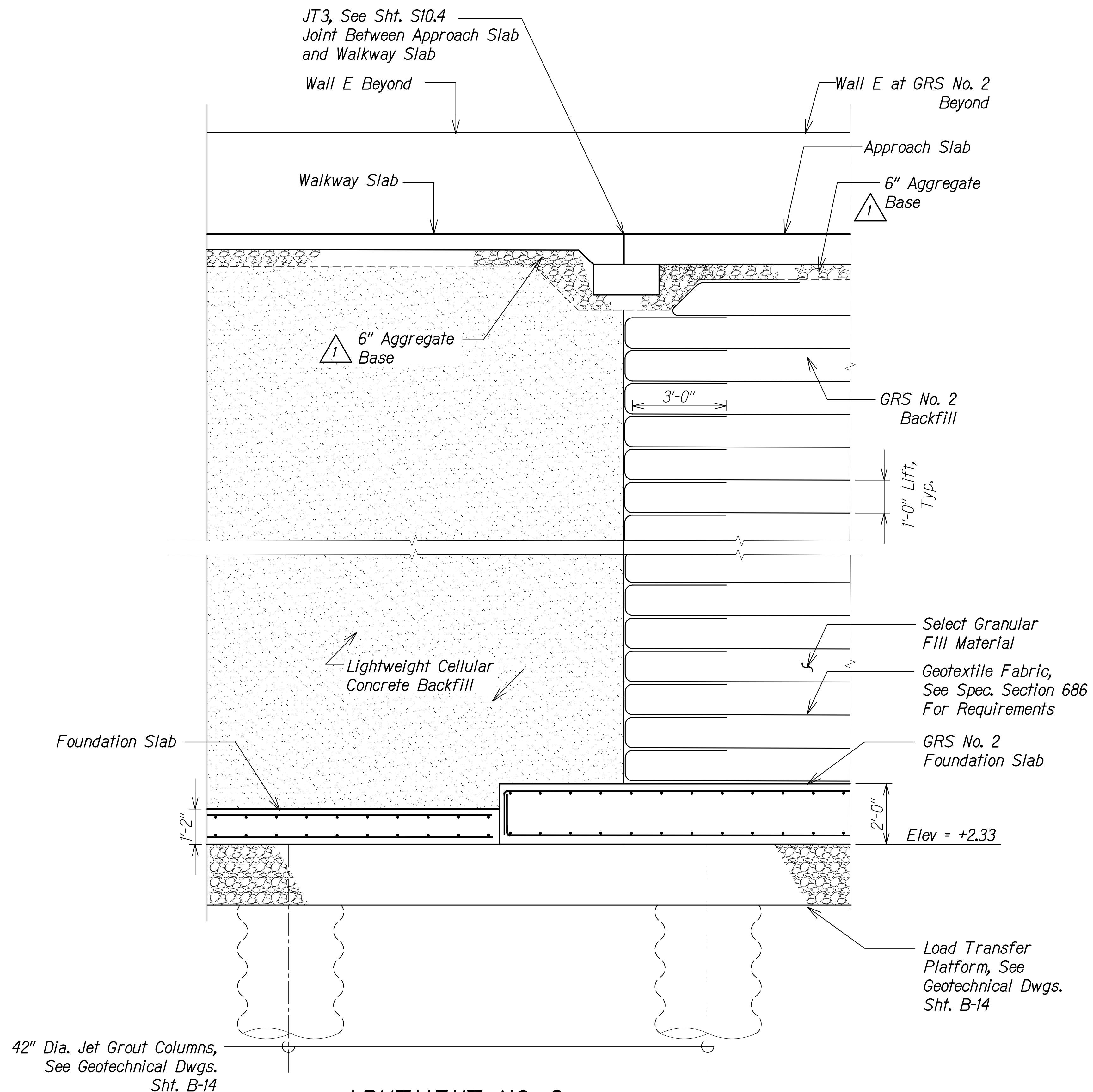
SHEET No. S6.2 OF 4 SHEETS

ADD. 171

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 173	295

← Waikiki

Kaka'ako →



42" Dia. Jet Grout Columns,
See Geotechnical Dwgs.
Sht. B-14

ABUTMENT NO. 2
GRS BACKFILL SECTION
Scale: 1/2" = 1'-0"
S5.10 S6.4

1

DATE	REVISION
8/30/21	Revised Note

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Stephen Peters
SIGNATURE

4-30-22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ABUTMENT NO. 2
GRS SECTION

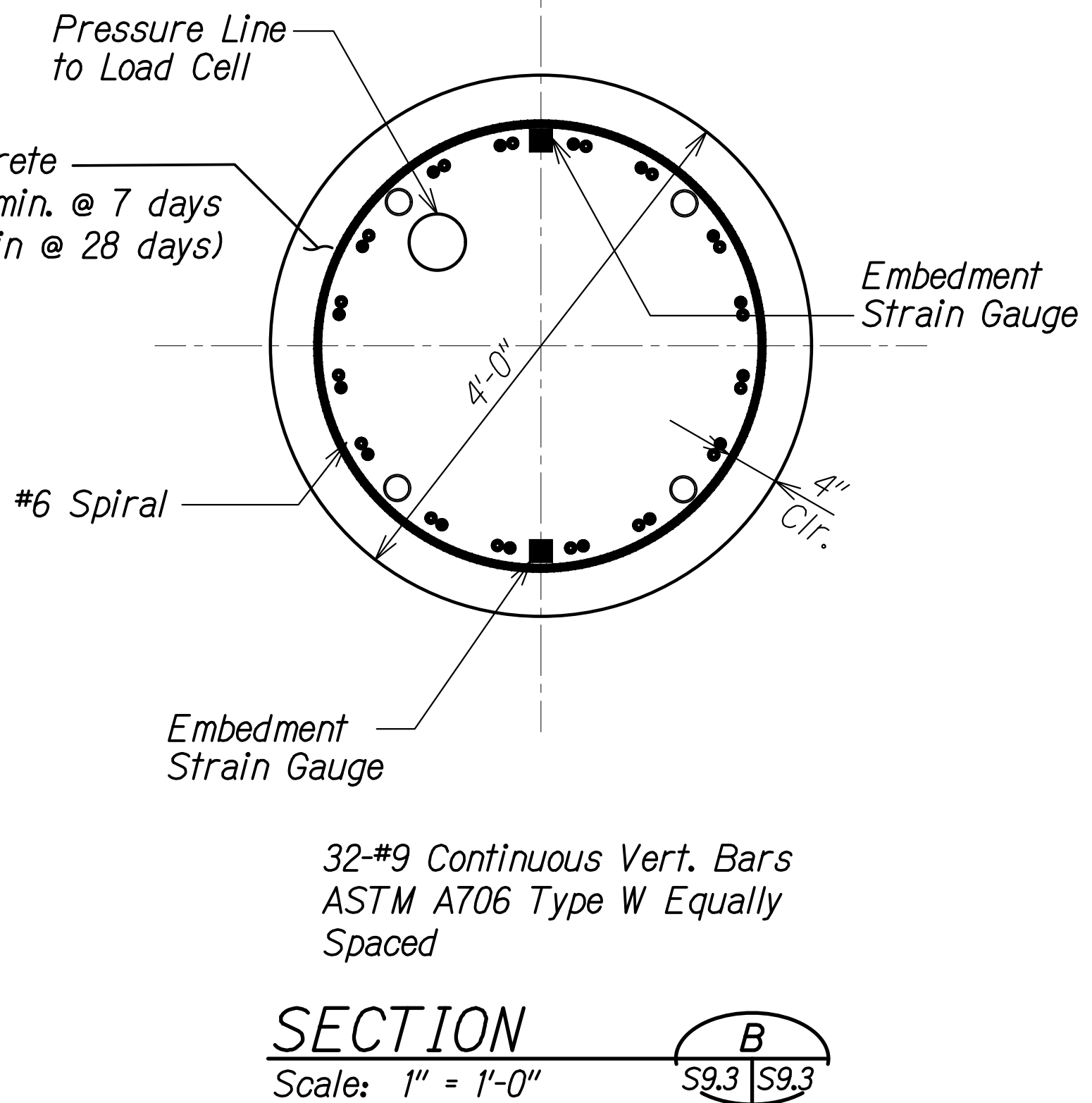
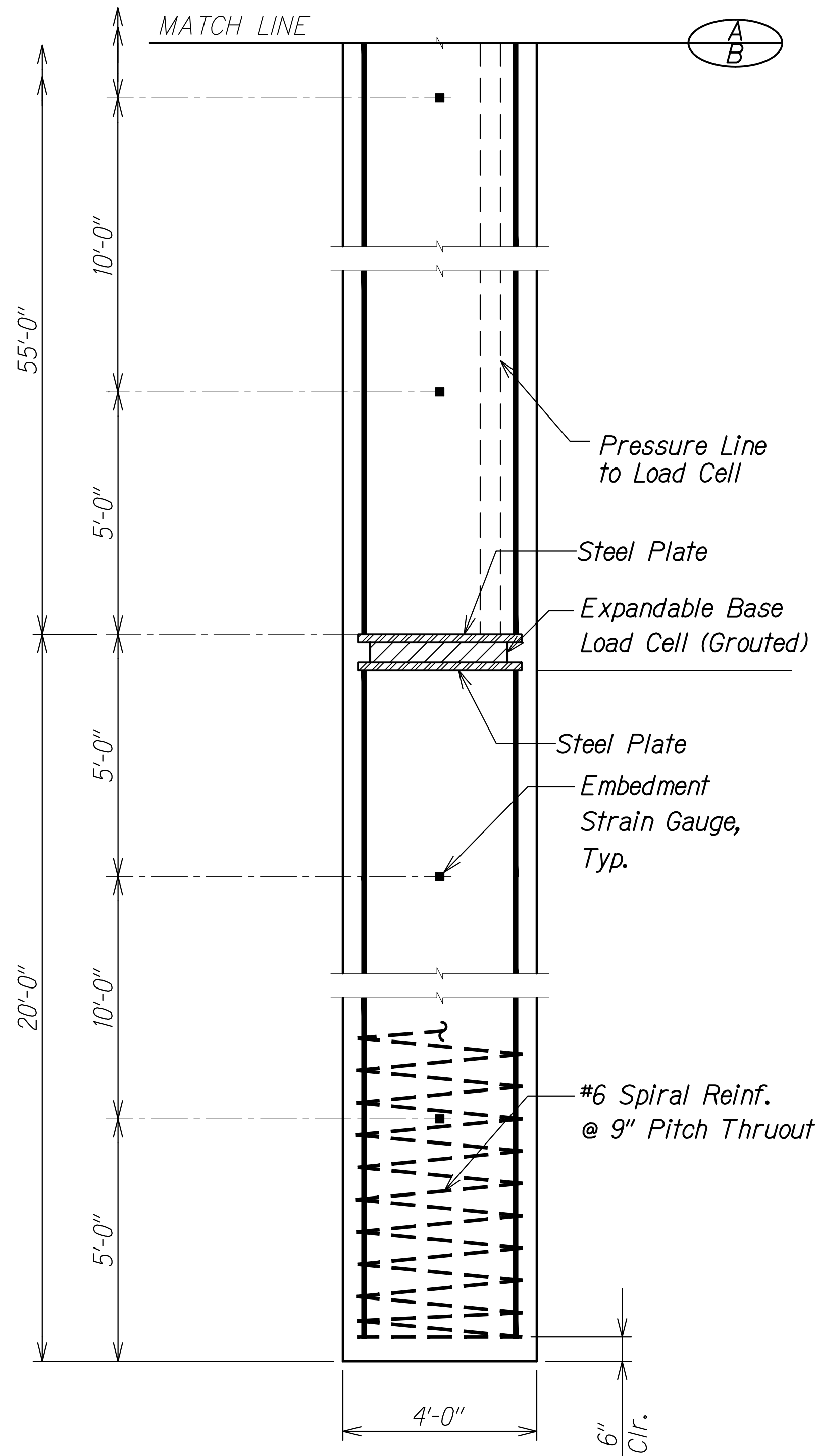
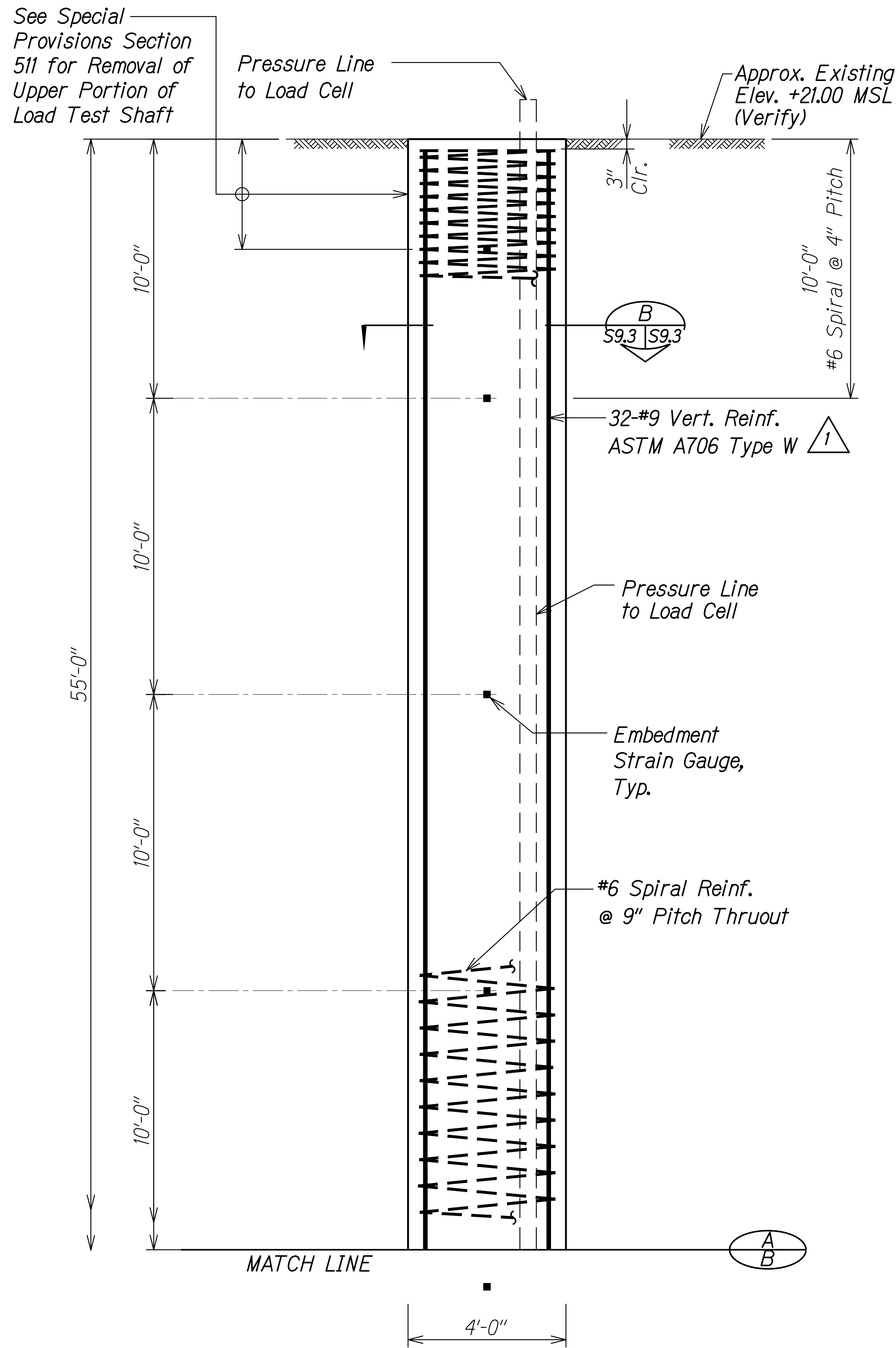
ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

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

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HH\01 CAD\08-30-21 ADD\AMP-S0601 GRS SECT ADD1.DWG PLOT TIME: 08-30-21, 11:21 AM

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 186	295



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

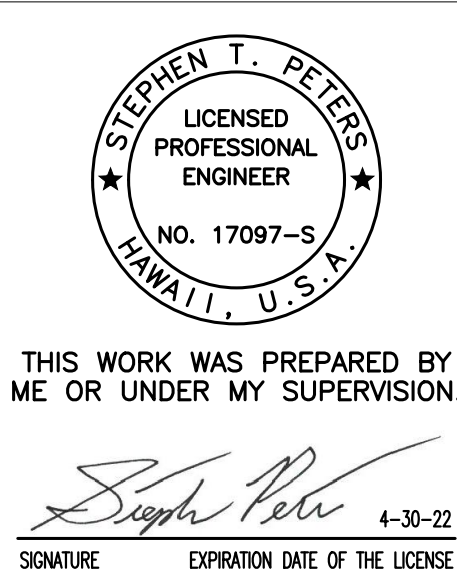
DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HA\01 CAD\08-30-21 ADD1\AMP-50903 LOAD SHAFT ADD1.DWG PLOT TIME: 08-30-21, 11:22 AM

4'-0" DIAMETER LOAD TEST SHAFT ELEVATION

Scale: 1/2" = 1'-0"

A

59.3 | 59.3

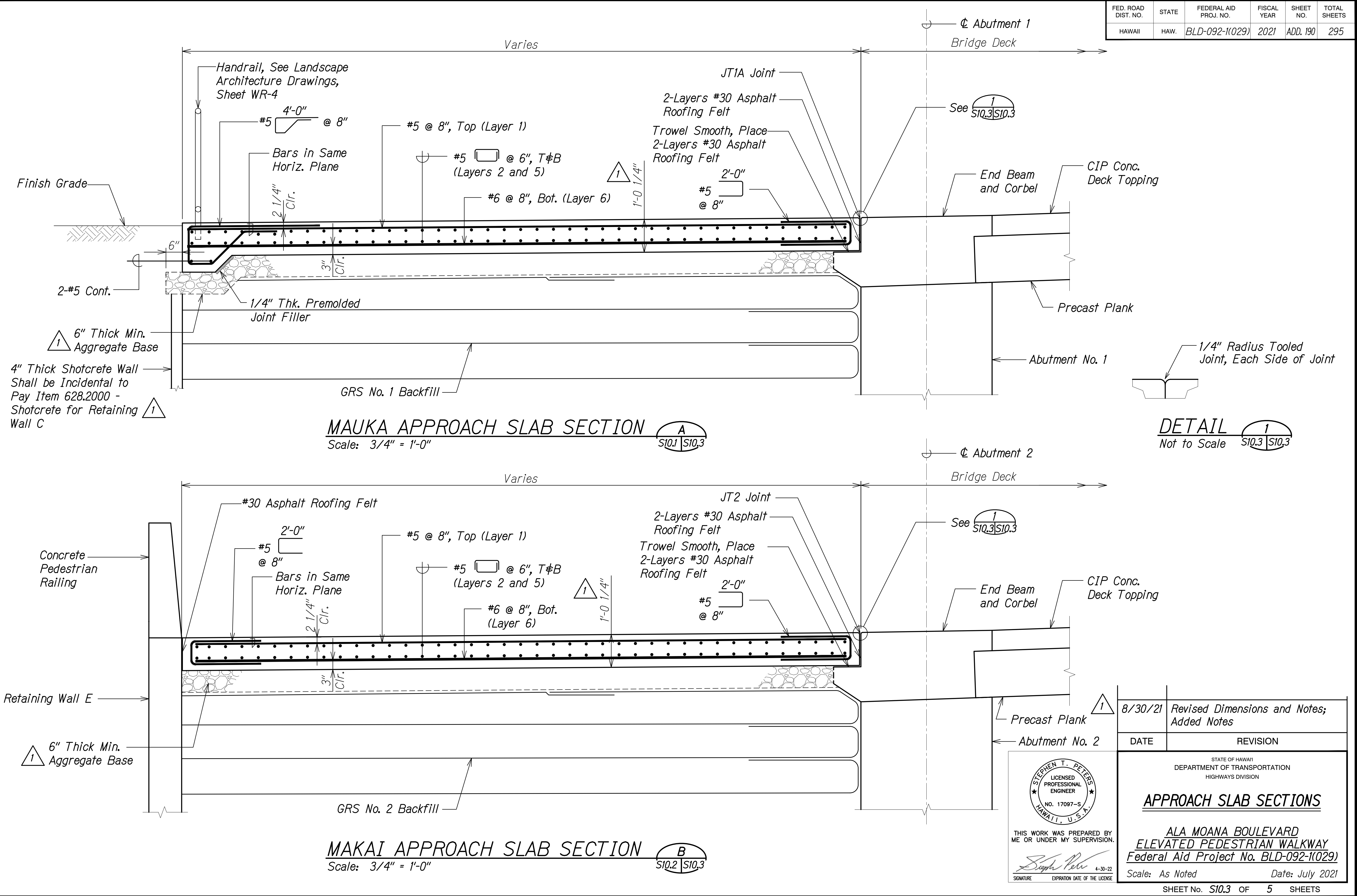


1	8/30/21	Revised Shaft Vert. Reinf.
	DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION LOAD TEST SHAFT ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029) Scale: As Noted Date: July 2021		
SHEET No. S9.3 OF 4 SHEETS		

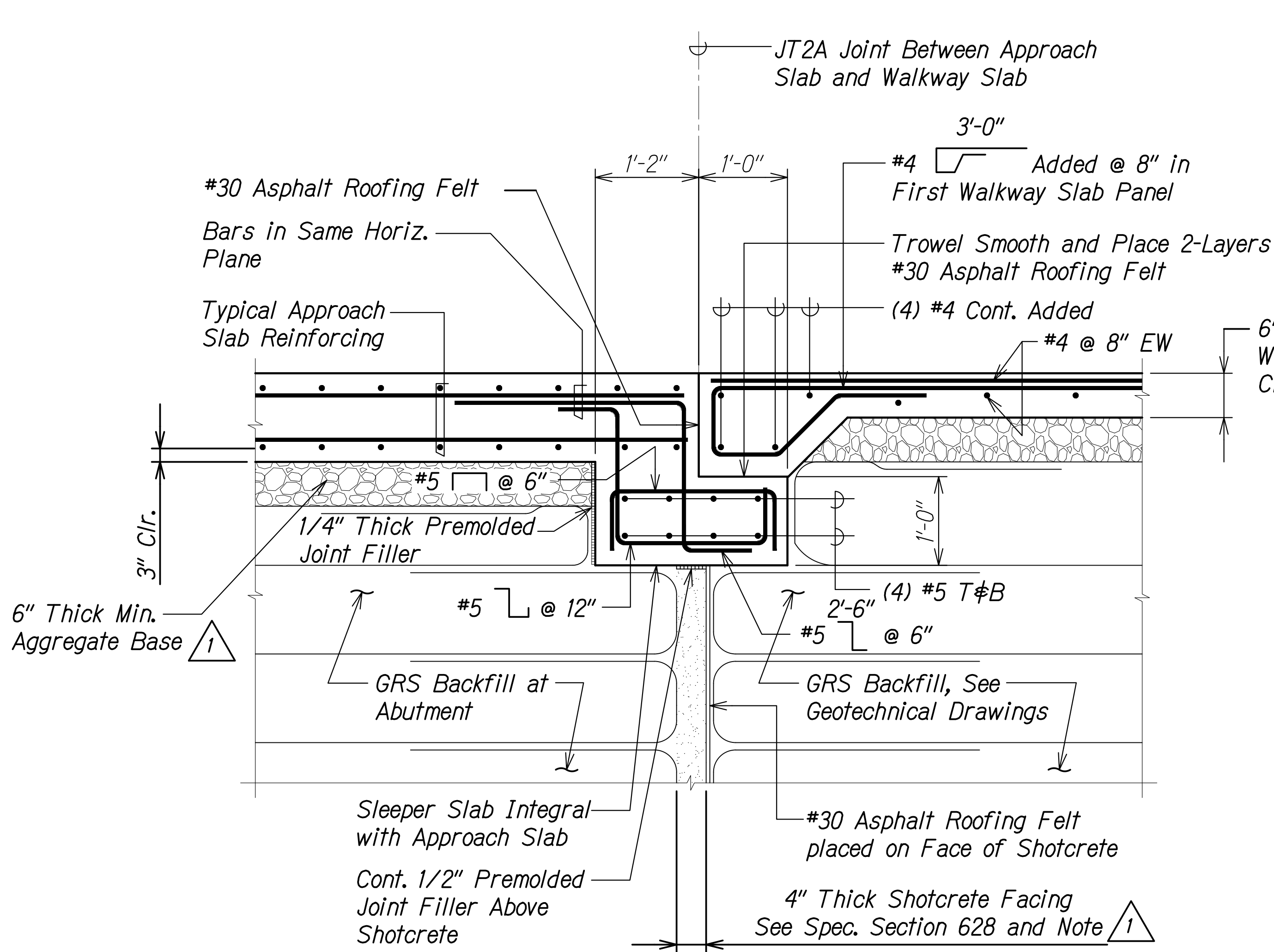
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 190	295

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HA\01 CAD\08-30-21 ADD1\AMP-S1003 APPR SLAB SECT ADD1.DWG PLOT TIME: 08-30-21, 1:07 AM

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



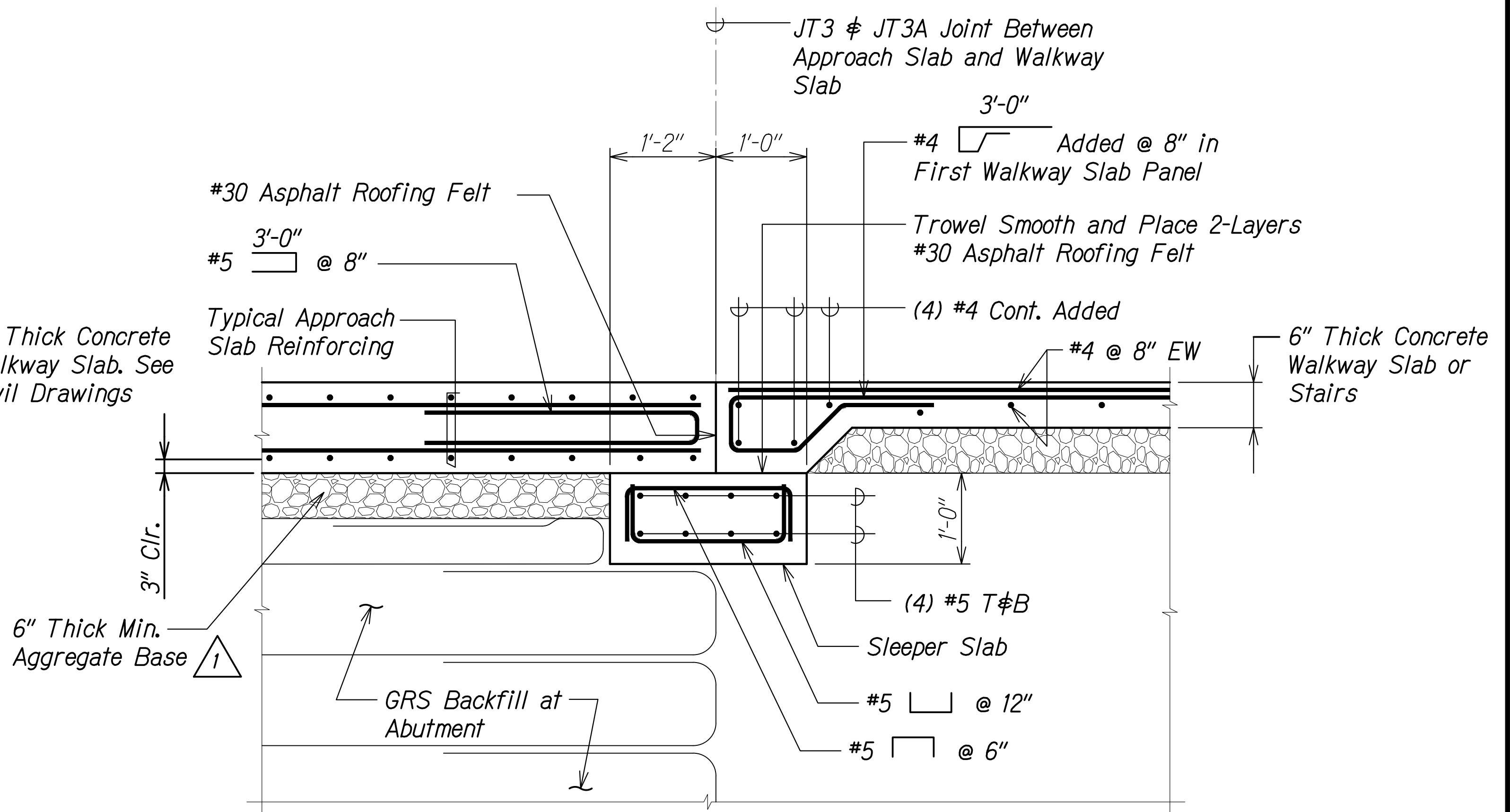
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 191	295



Note:
4" Shotcrete shall be incidental to
Pay Item 628.2000 - Shotcrete for
Retaining Wall C.

APPROACH SLAB SECTION A

Scale: 1" = 1'-0"

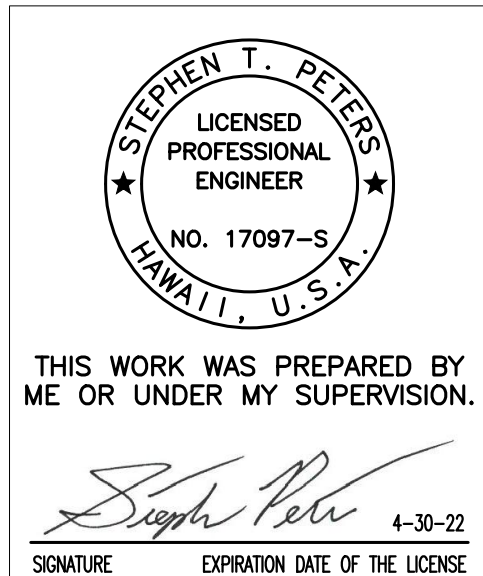


APPROACH SLAB SECTION B

Scale: 1" = 1'-0"

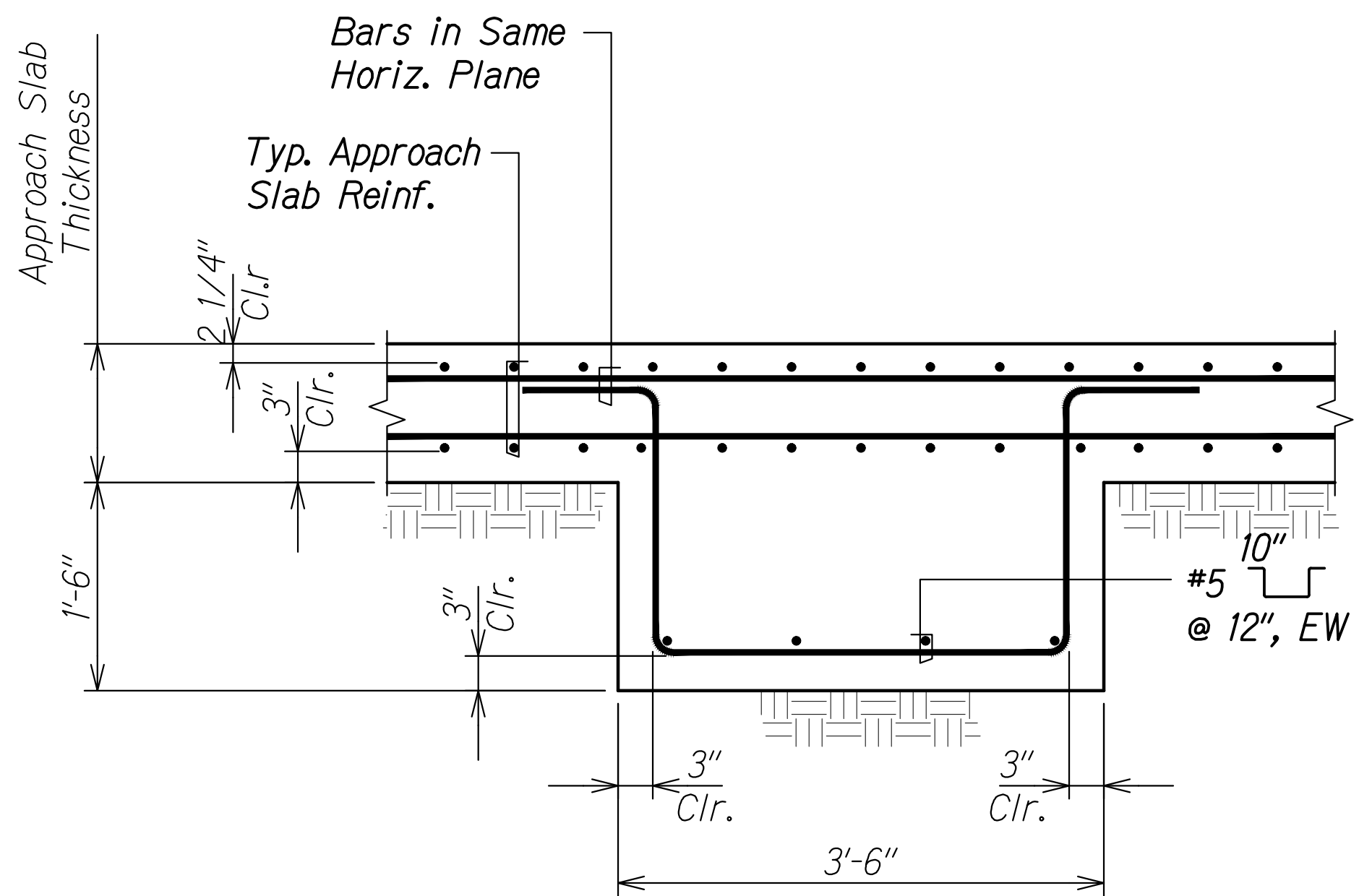
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HH\01 CAD\08-30-21 ADD1\AMP-S1004 APPROACH SLAB ADD1.DWG PLOT TIME: 08-30-21 11:23 AM



8/30/21	Revised and Added Notes
DATE	REVISION
APPROACH SLAB SECTIONS	
ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029)	
Scale: As Noted	Date: July 2021
SHEET No. S10.4 OF 5 SHEETS	

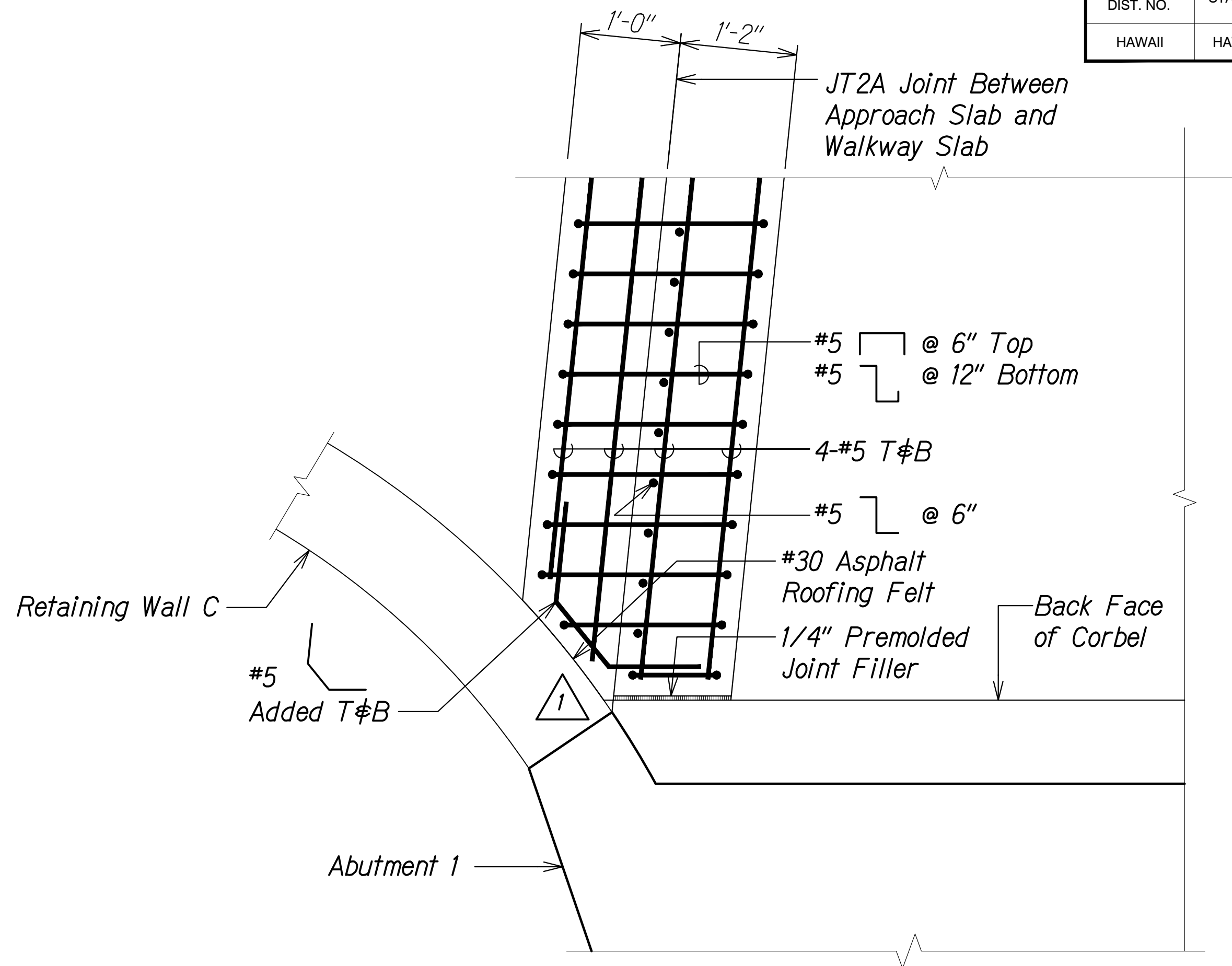
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 192	295



APPROACH SLAB KEY DETAIL

Scale: 1" = 1'-0"

1
S10.5 S10.5



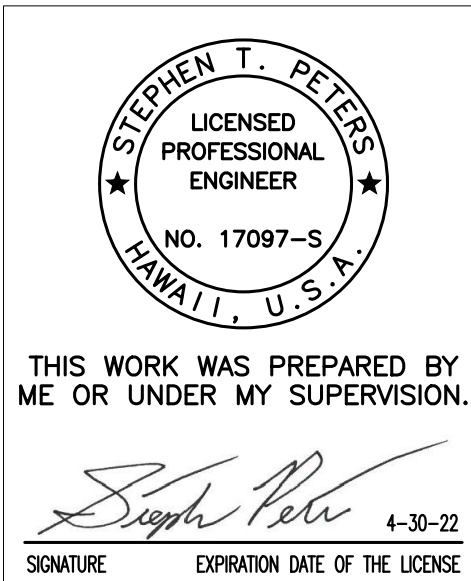
SLEEPER SLAB REINFORCING DETAIL

Scale: 1" = 1'-0"

2
S10.5 S10.5

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

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HH\01 CAD\08-30-21 ADD1\AMP-S1005 APPR SLAB PLAN ADD1.DWG PLOT TIME: 08-30-21 11:23 AM

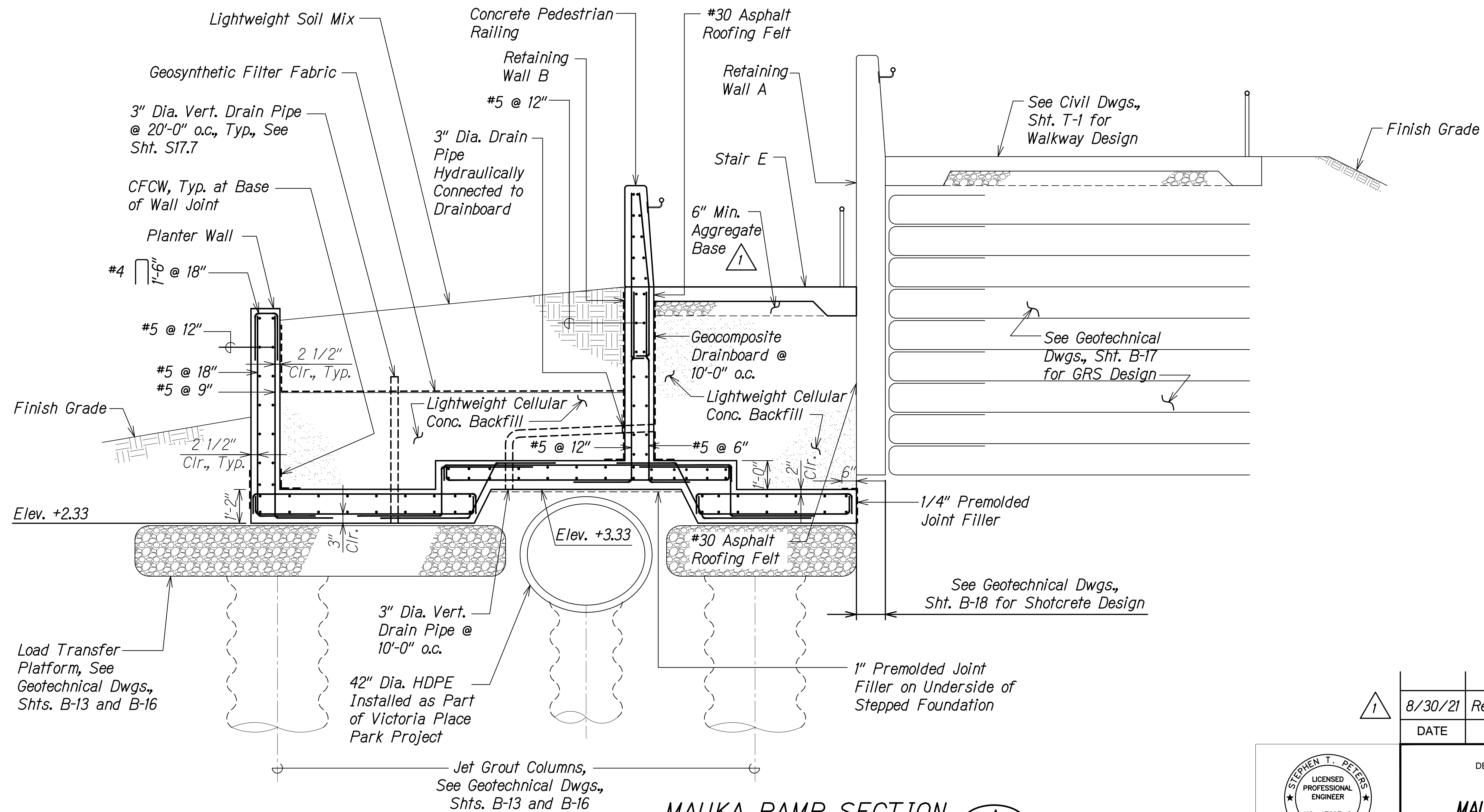


1	8/30/21	Revised Reinf. # Added Jt. Filler
	DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION APPROACH SLAB AND SLEEPER SLAB DETAILS ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029) Scale: As Noted Date: July 2021		
SHEET No. S10.5 OF 5 SHEETS		

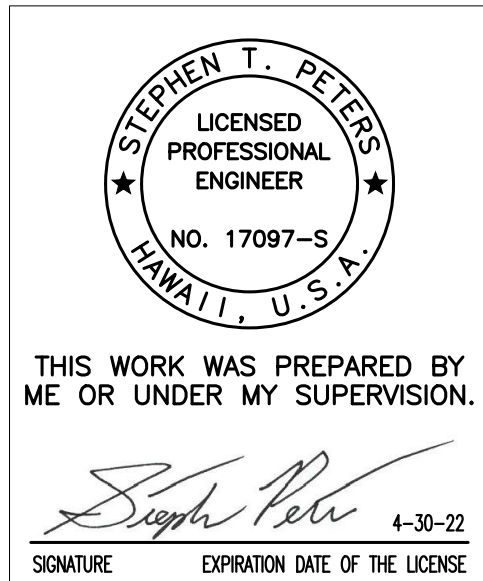
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 199	295

← Makai

→ Mauka

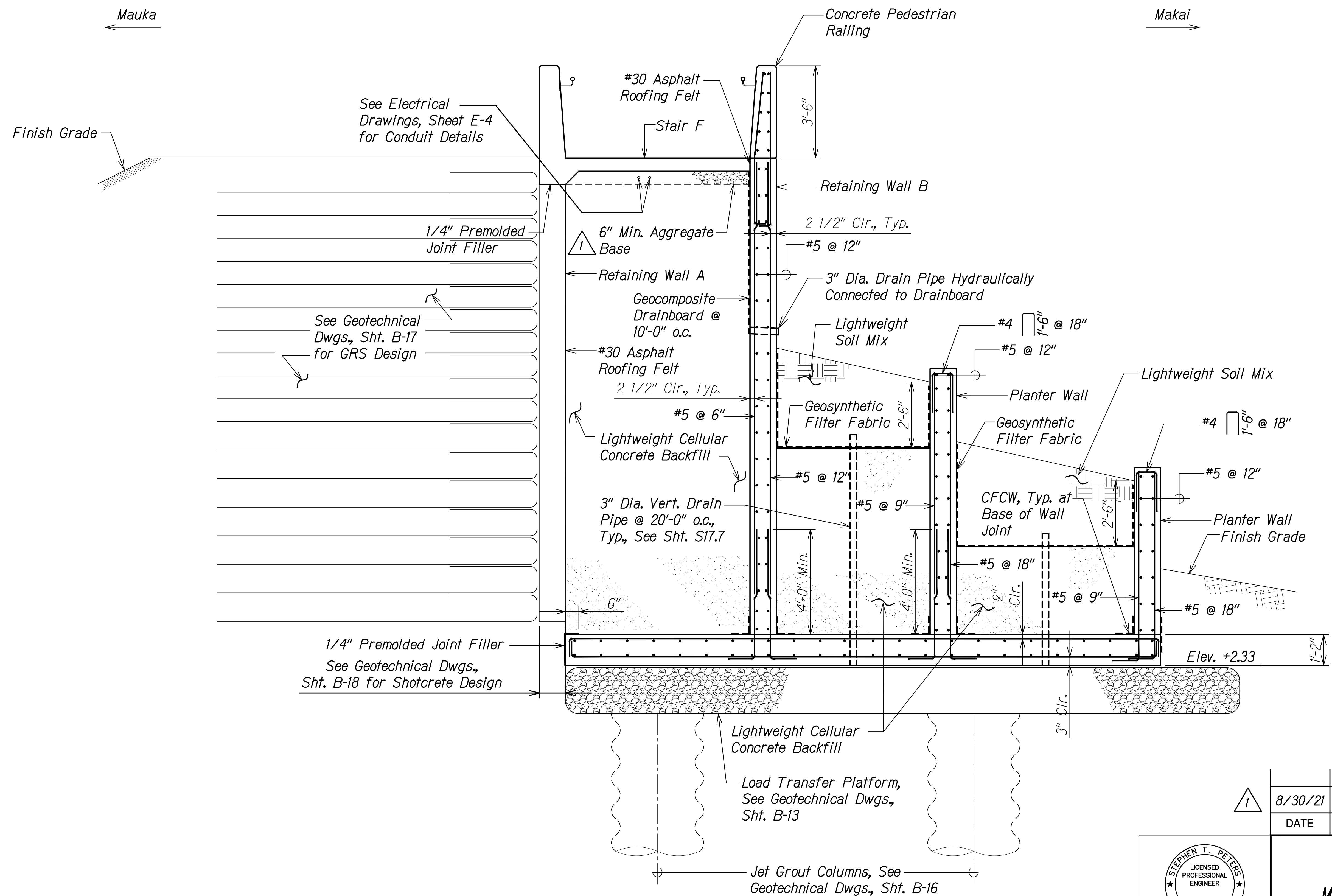


MAUKA RAMP SECTION
Scale: 1/2" = 1'-0"

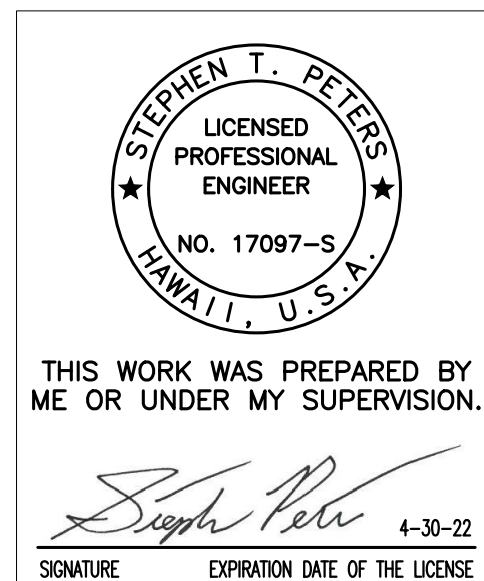


8/30/21	Revised Note
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MAUKA RAMP SECTION ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029) Scale: As Noted Date: July 2021 SHEET No. S121 OF 10 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 200	295

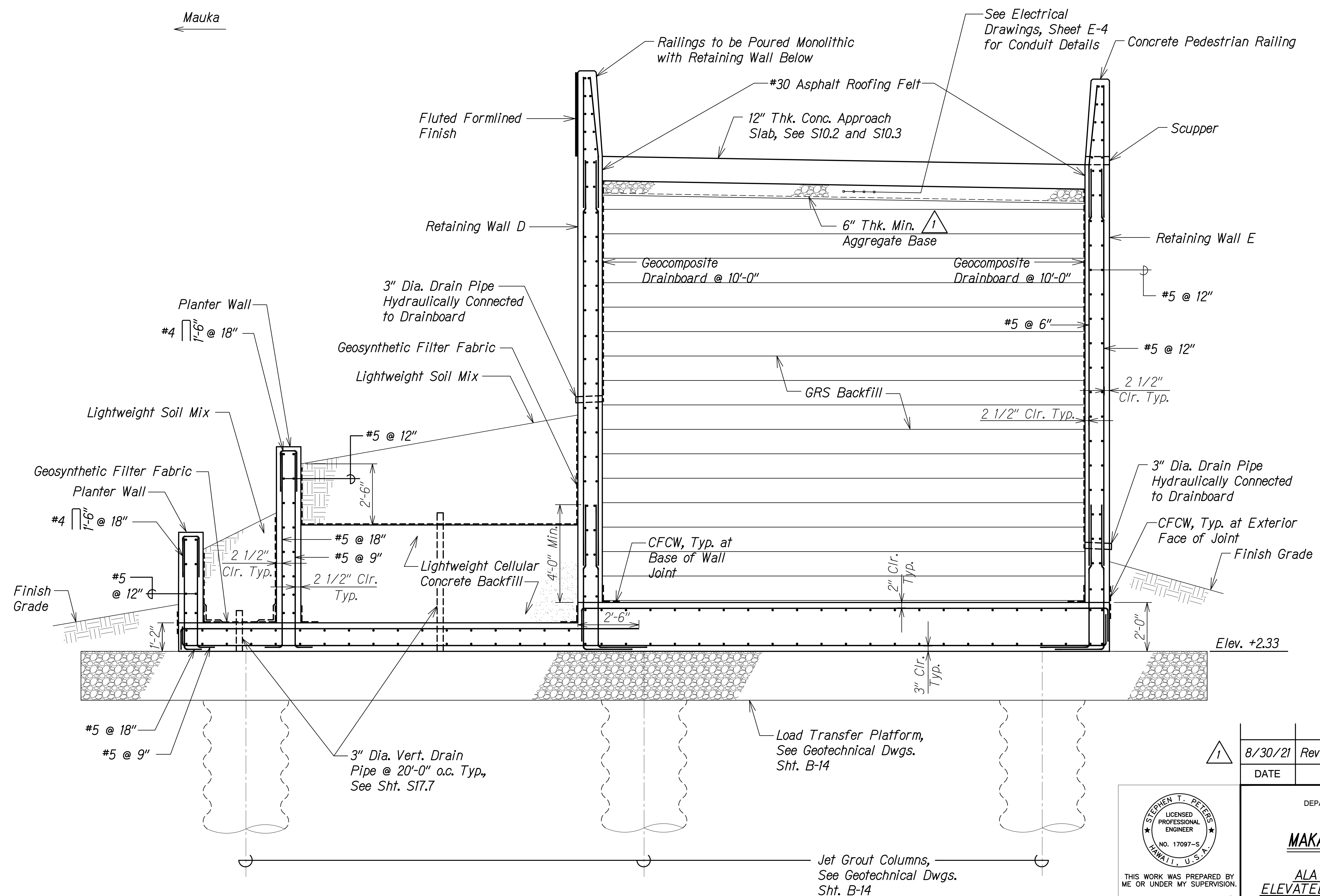


MAUKA RAMP SECTION A
Scale: 1/2" = 1'-0" S1.6 S12.2



1	8/30/21	Revised Note
	DATE	REVISION
EDS ★ 4 PREPARED BY PERVISION. 4-30-22 OF THE LICENSE	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
	<u>MAUKA RAMP SECTION</u>	
	<u>ALA MOANA BOULEVARD</u> <u>ELEVATED PEDESTRIAN WALKWAY</u> <u>Federal Aid Project No. BLD-092-1(029)</u>	
	Scale: As Noted	Date: July 2021
	SHEET No. S12.2 OF 10 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 202	295



MAKAI RAMP SECTION AT APPROACH SLAB
Scale: 1/2" = 1'-0"

1

DATE	REVISION
8/30/21	Revised Note

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Stephen Peters
SIGNATURE

4-30-22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

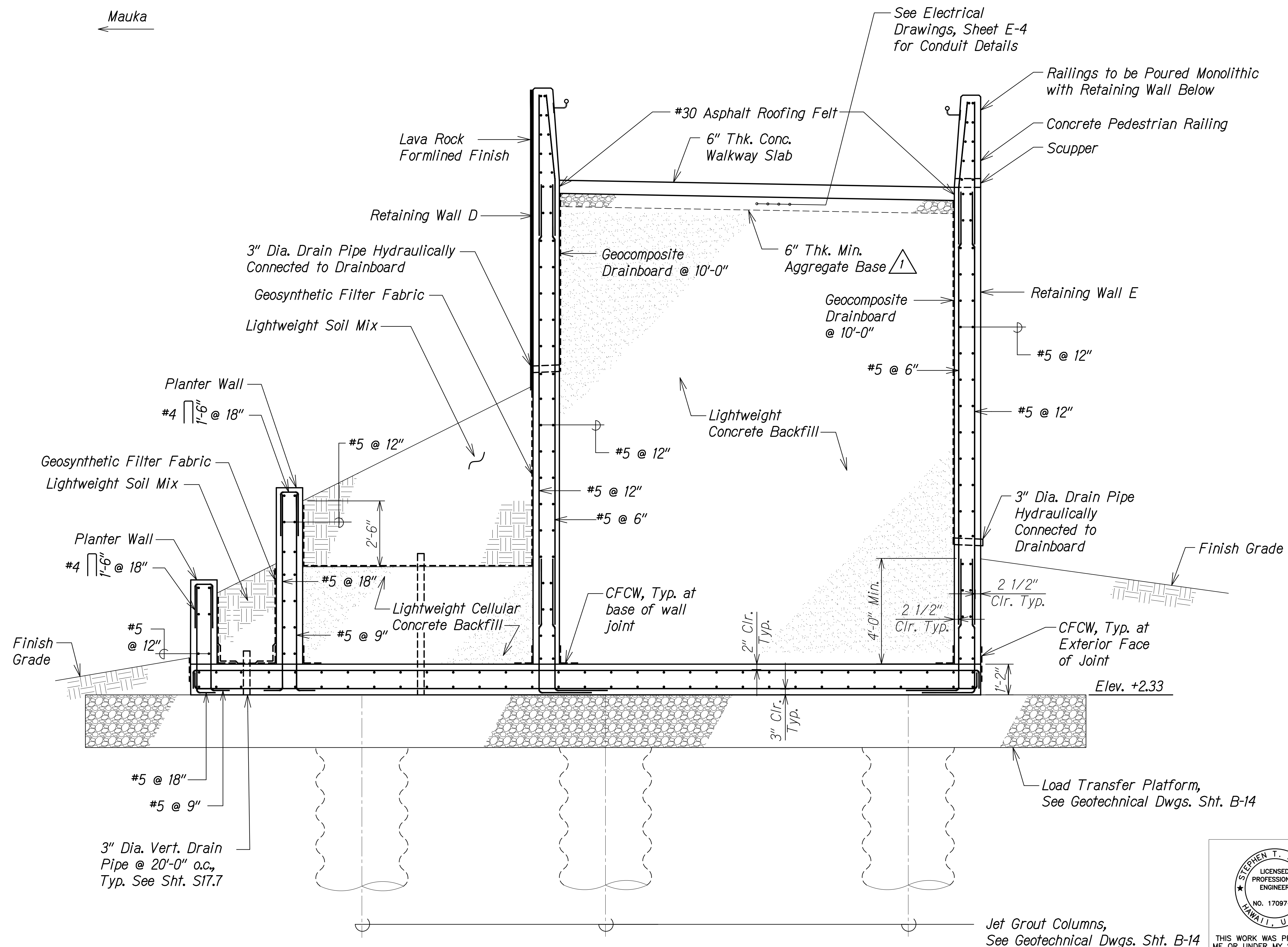
MAKAI RAMP SECTION

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 203	295

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HA\01 CAD\08-30-21 ADD1\AMP-S1201 RAMP SECTS ADD1.DWG PLOT TIME: 08-30-21, 11:27 AM

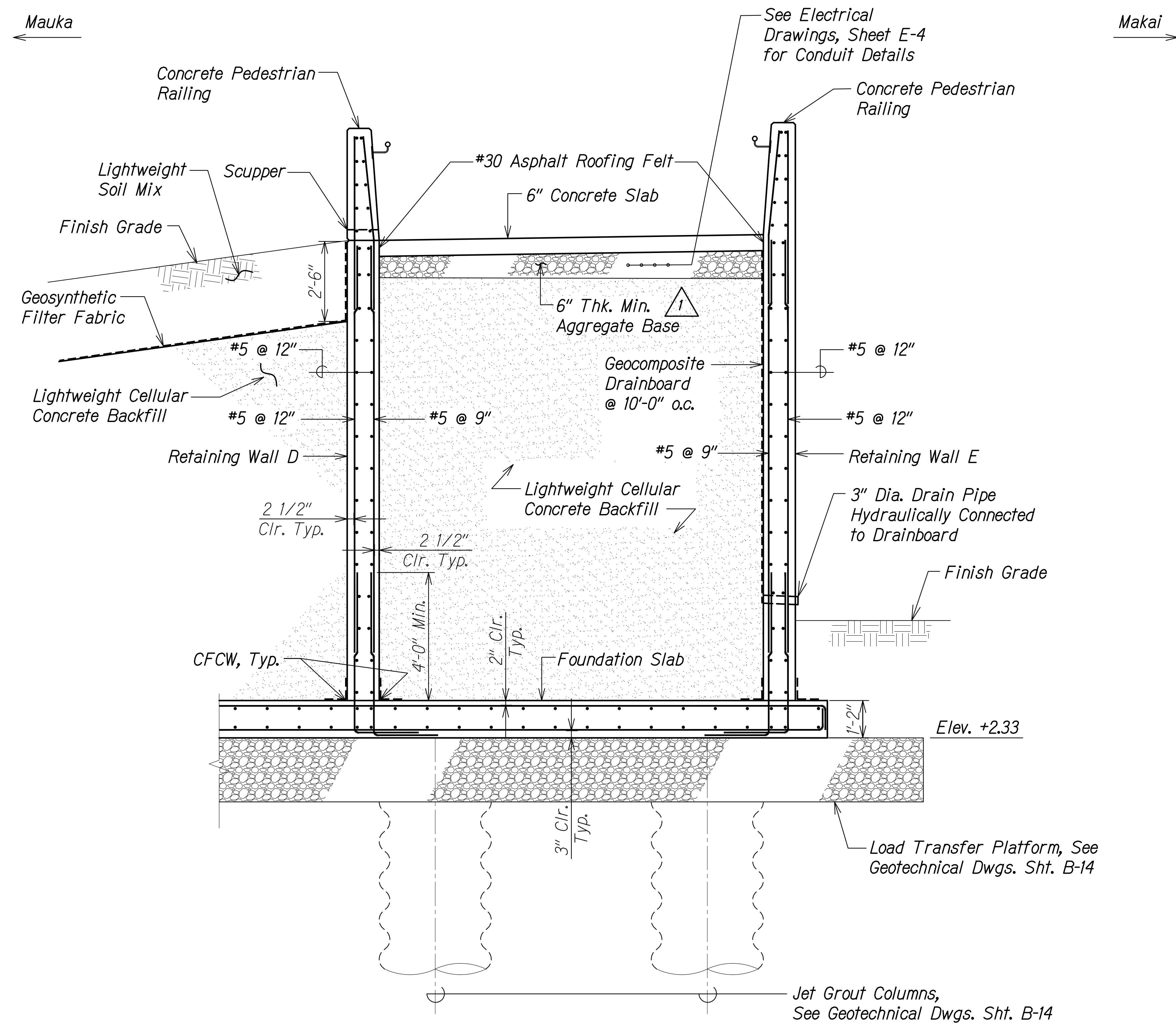


MAKAI RAMP SECTION
Scale: 1/2" = 1'-0"
A
S111 S125

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
SIGNATURE: *Stephen T. Peters*
EXPIRATION DATE OF THE LICENSE: 4-30-22

DATE	REVISION
8/30/21	Revised Note
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
MAKAI RAMP SECTION	
ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029)	
Scale: As Noted	Date: July 2021
SHEET No. S125 OF 10 SHEETS	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 204	295



RAMP SECTION A
Scale: 1/2" = 1'-0"

1

DATE	REVISION
8/30/21	Revised Note

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Stephen Peters
SIGNATURE

4-30-22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

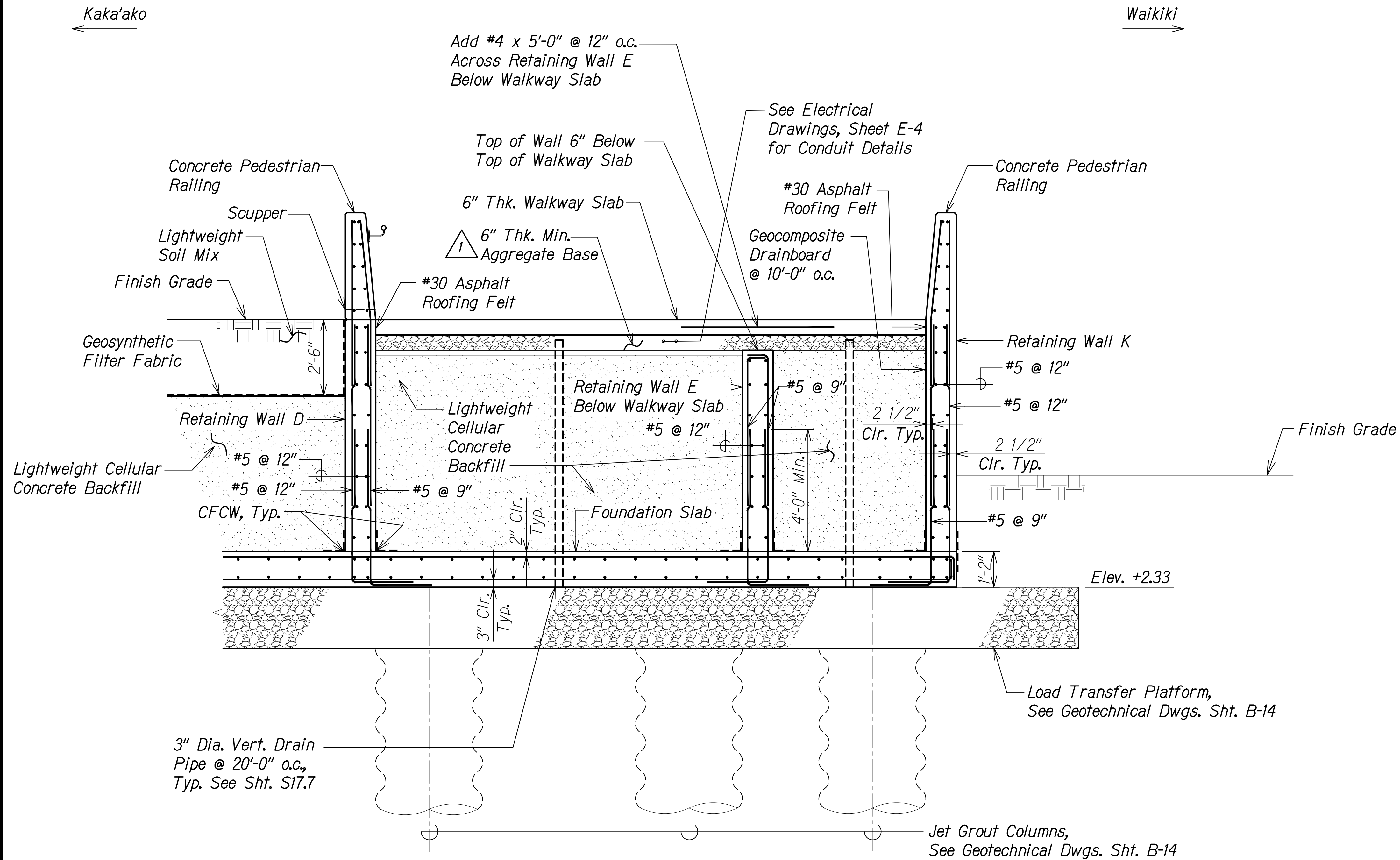
MAKAI RAMP SECTION

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

SHEET No. S12.6 OF 10 SHEETS

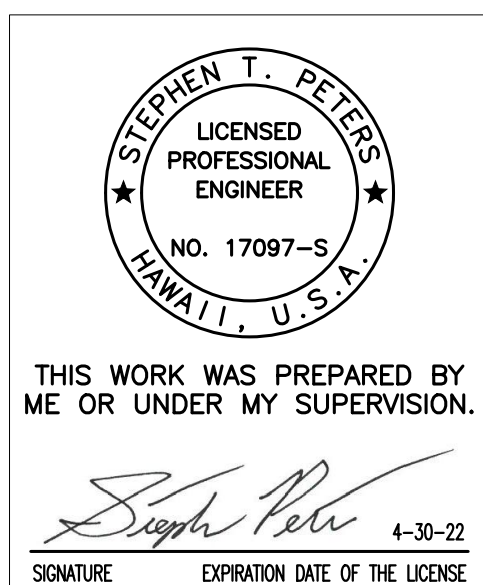
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 205	295



RAMP SECTION A
Scale: 1/2" = 1'-0"

1

DATE	REVISION
8/30/21	Revised Note



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

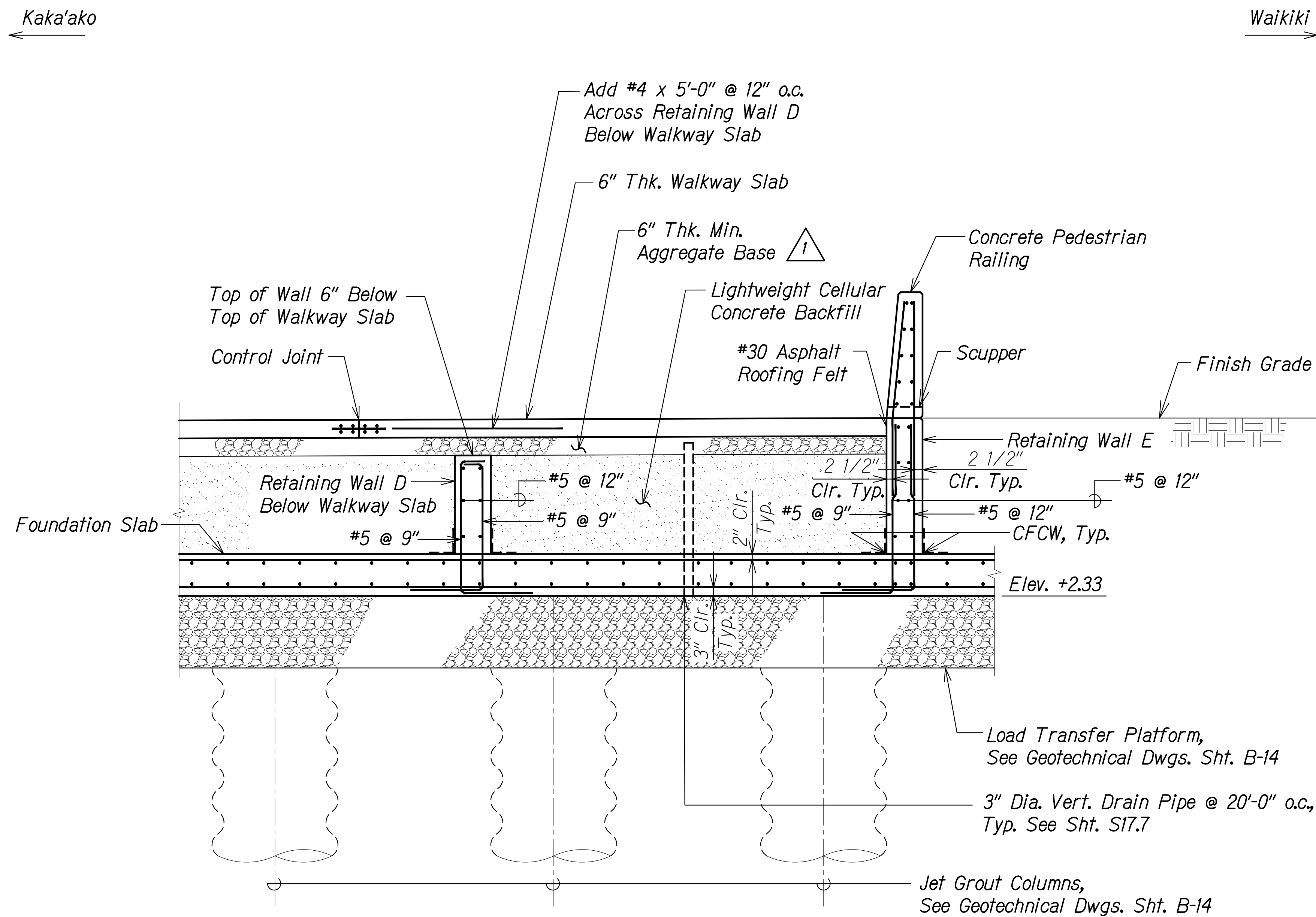
MAKAI RAMP SECTION

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

SHEET No. S12.7 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 206	295



RAMP SECTION A
Scale: 1/2" = 1'-0"

1

DATE	REVISION
8/30/21	Revised Note

STEPHEN T. PETERS
LICENSED PROFESSIONAL ENGINEER
NO. 17097-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Stephen Peters
SIGNATURE

4-30-22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MAKAI RAMP SECTION

ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

SHEET No. S12.8 OF 10 SHEETS

ADD. 206

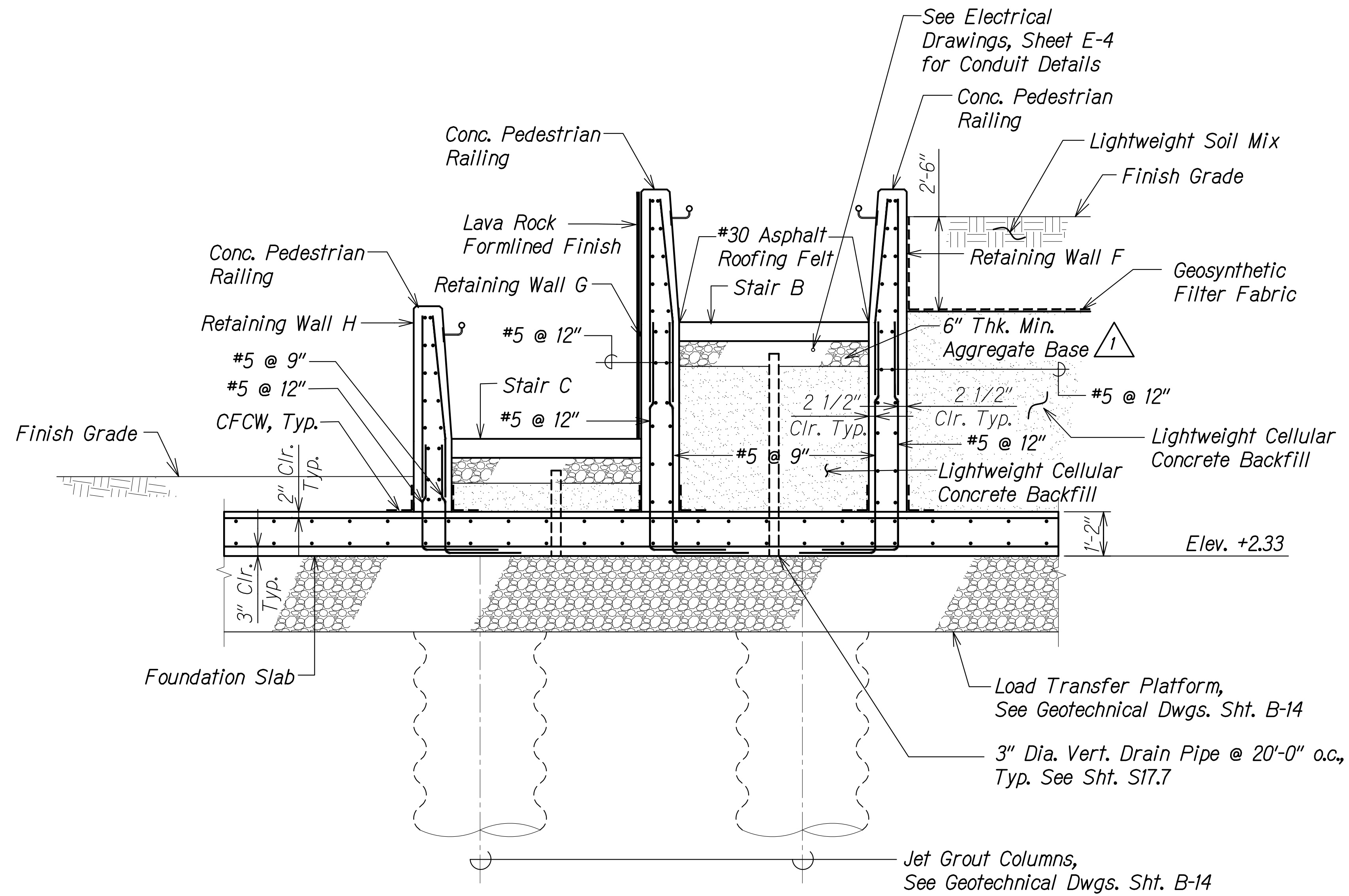
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HA\01 CAD\08-30-21 ADD1\AMP-S1206 RAMP SECTS ADD1.DWG PLOT TIME: 08-30-21, 11:28 AM

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 207	295

Mauka

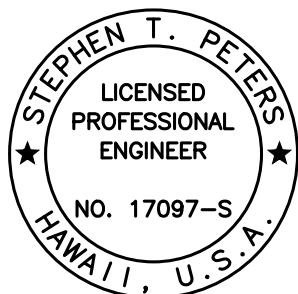
Makai



RAMP SECTION A
Scale: 1/2" = 1'-0"

1

8/30/21	Revised Note
DATE	REVISION



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Stephen Peters
SIGNATURE
4-30-22
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MAKAI RAMP SECTION

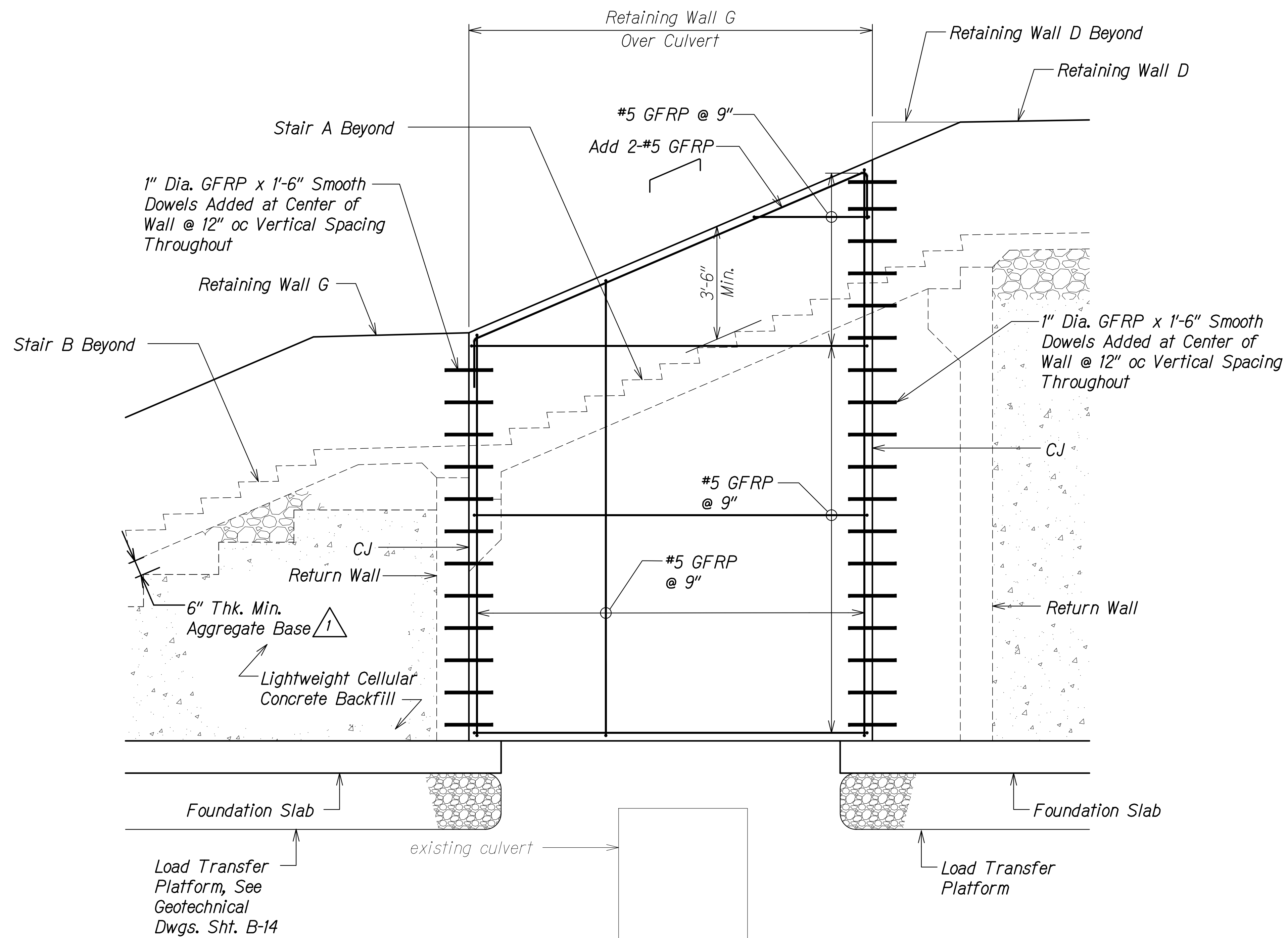
ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

SHEET No. S12.9 OF 10 SHEETS

ADD. 207

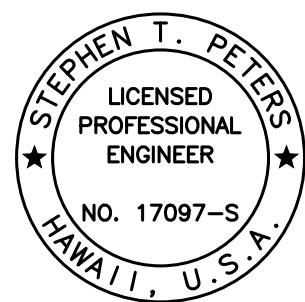
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 220	295



RETAINING WALL G - OVER CULVERT ELEVATION
Scale: 1/2" = 1'-0"

1

DATE	REVISION
8/30/21	Revised Note



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Signature: *Stephen T. Peters*
EXPIRATION DATE OF THE LICENSE: 4-30-22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WALL G
OVER CULVERT ELEVATION

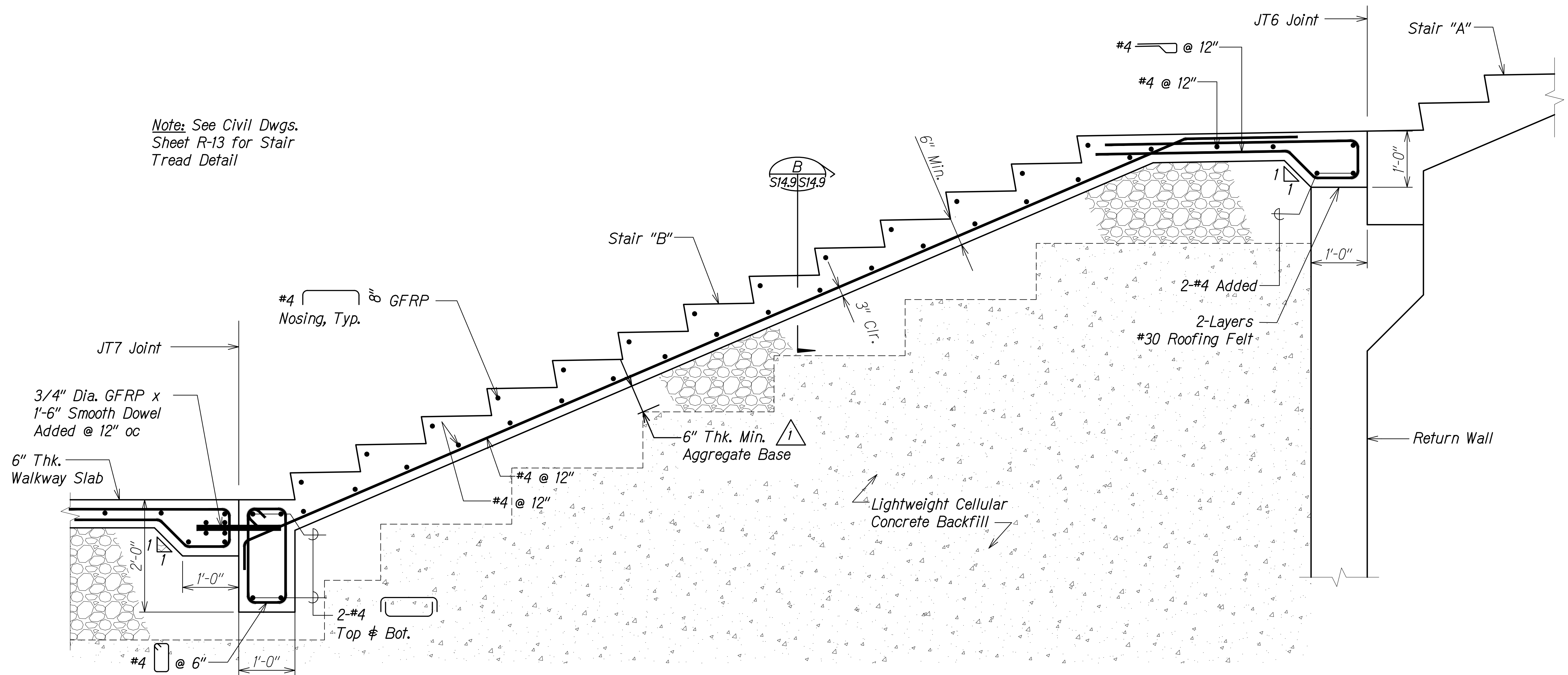
ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

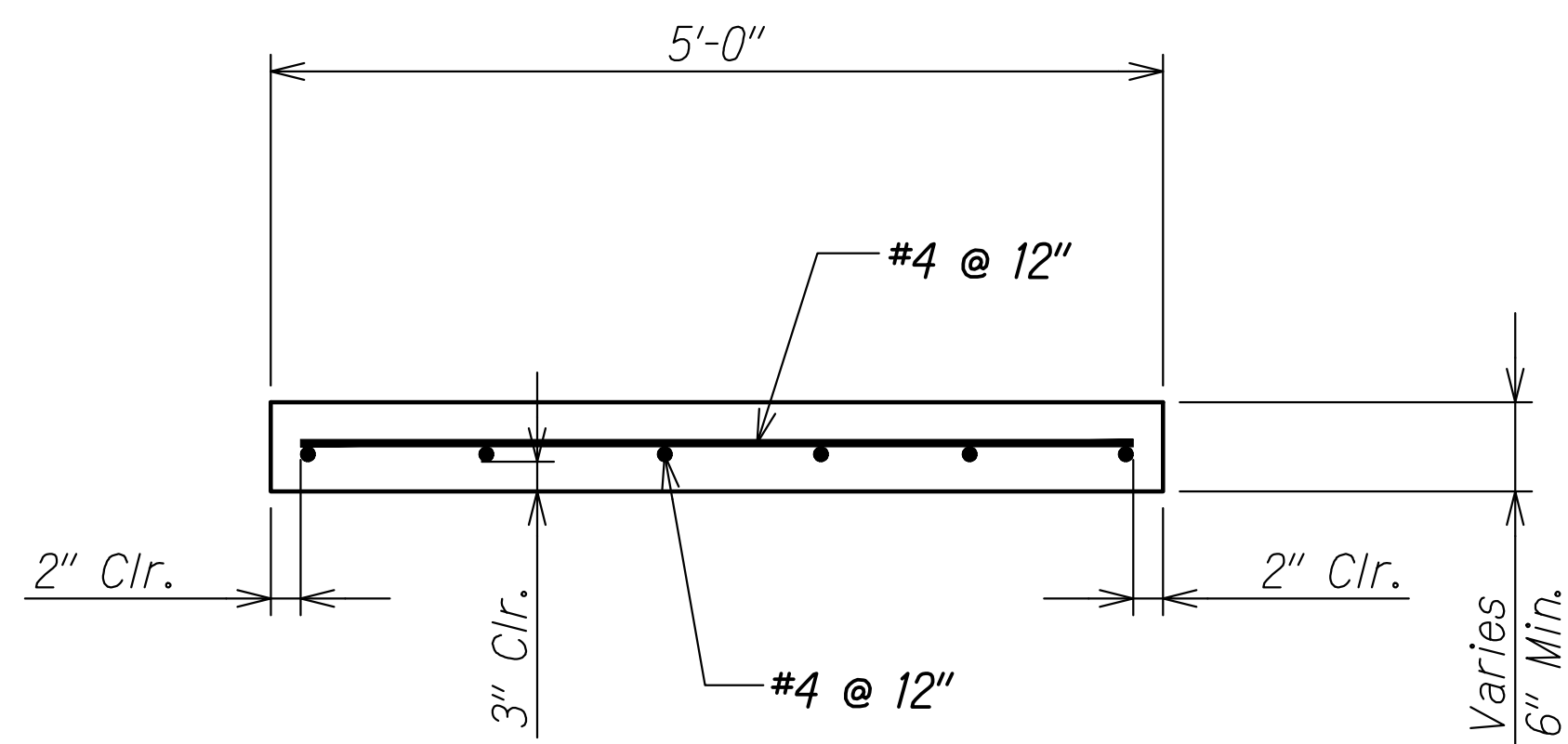
SHEET No. S14.7 OF 13 SHEETS

ADD. 220

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 222	295



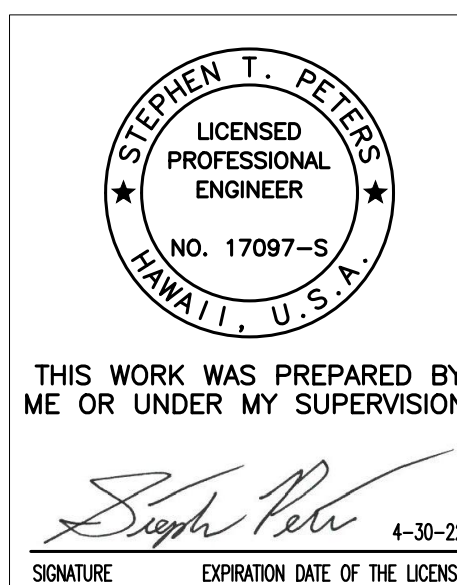
STAIR "B" SECTION
Scale: 1" = 1'-0"



SECTION
Scale: 1" = 1'-0"

1

DATE	REVISION
8/30/21	Revised Note



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
STAIR "B" SECTIONS	
ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029)	
Scale: As Noted	Date: July 2021

SHEET No. S14.9 OF 13 SHEETS

ADD. 222

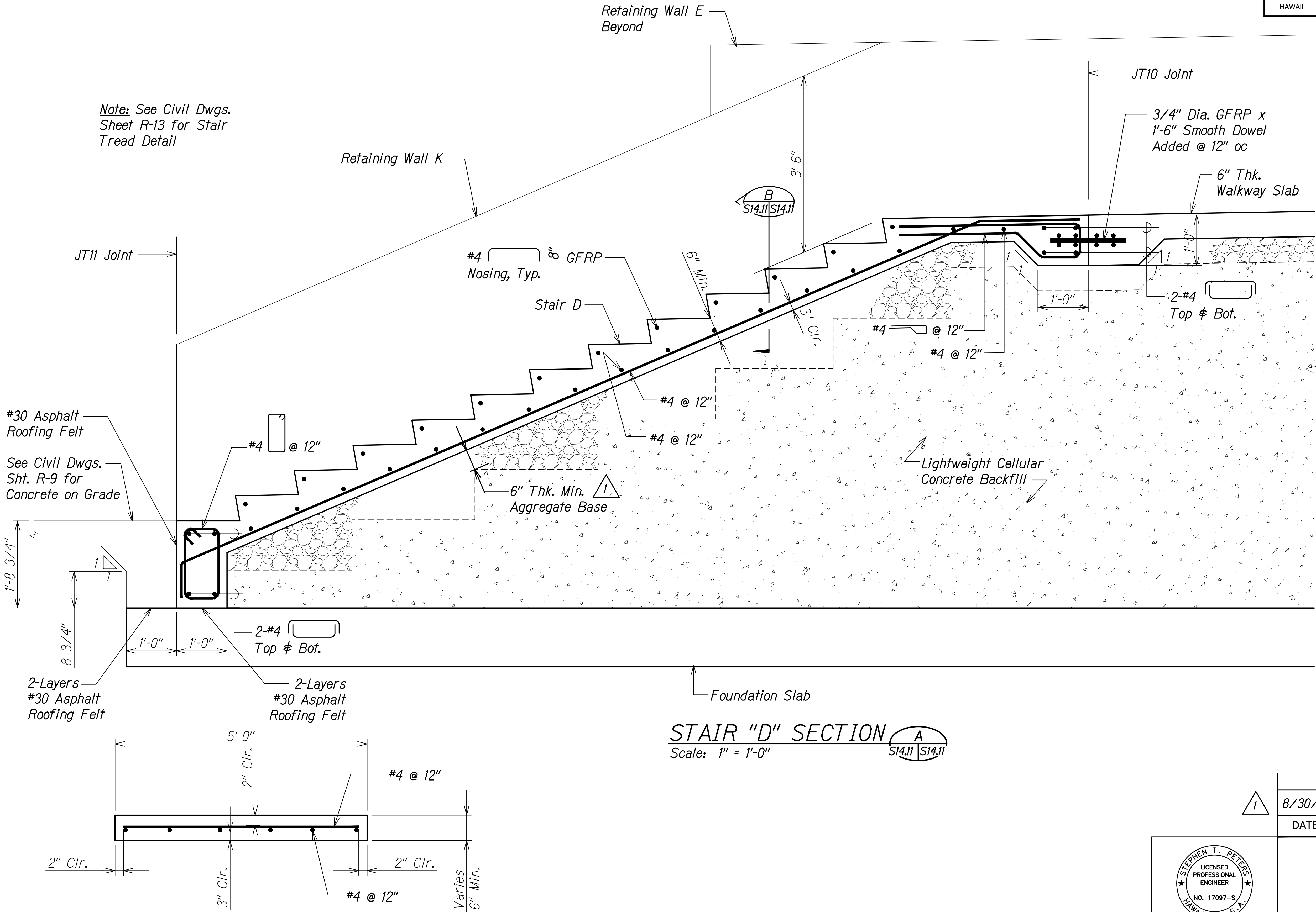
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HH\01 CAD\08-30-21 ADD1\AMP-S1401 STAIR SECTS ADD1.DWG PLOT TIME: 08-30-21, 11:31 AM

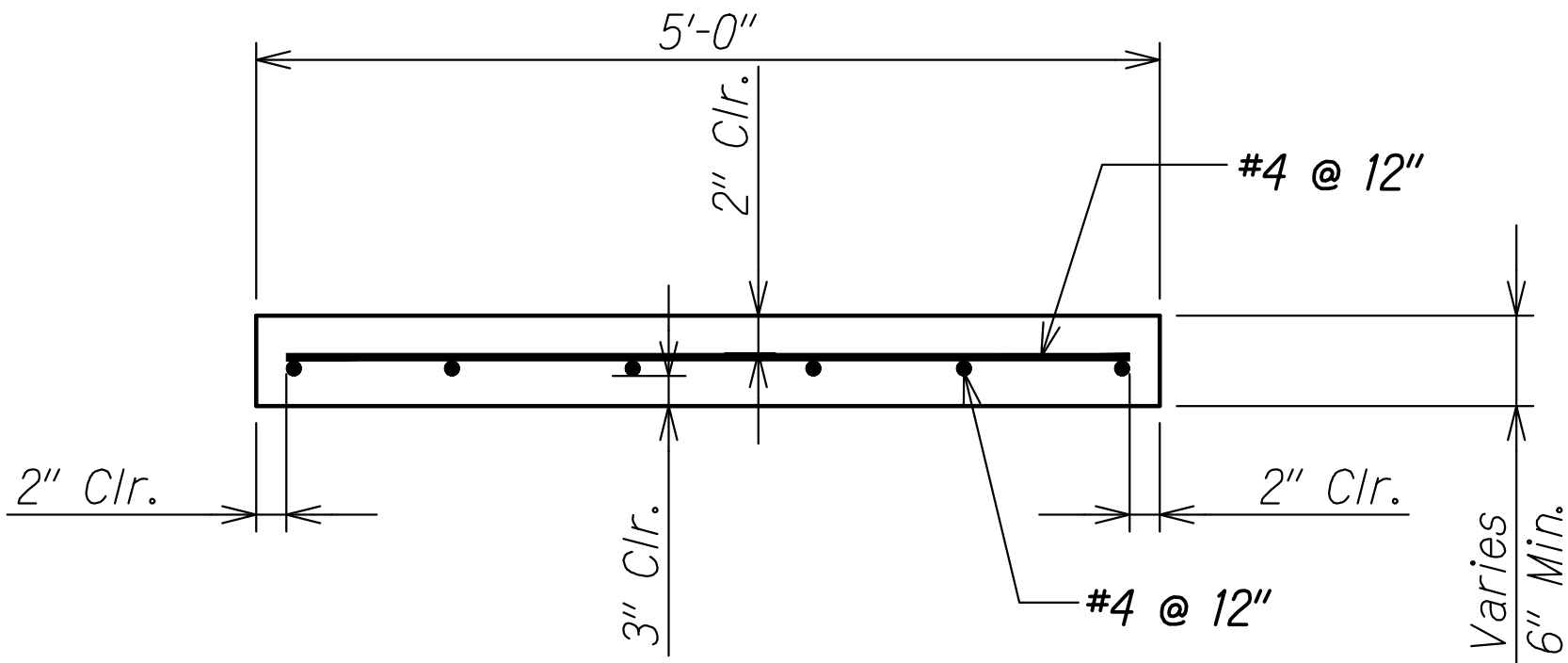
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 224	295

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HH\01 CAD\08-30-21 ADD1\AMP-51401 STAIR SECTS ADD1.DWG PLOT TIME: 08-30-21, 11:32 AM

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



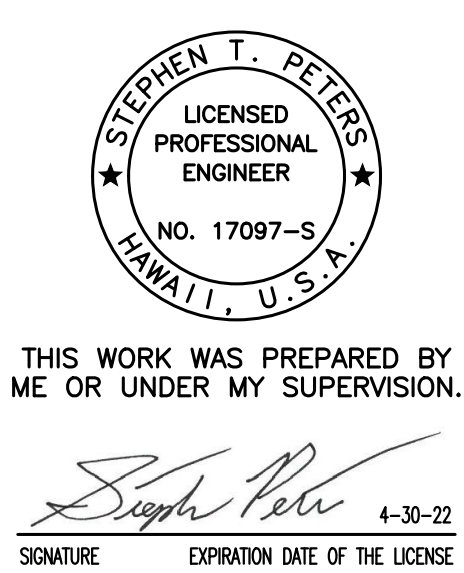
STAIR "D" SECTION A
Scale: 1" = 1'-0"



SECTION B
Scale: 1" = 1'-0"

1

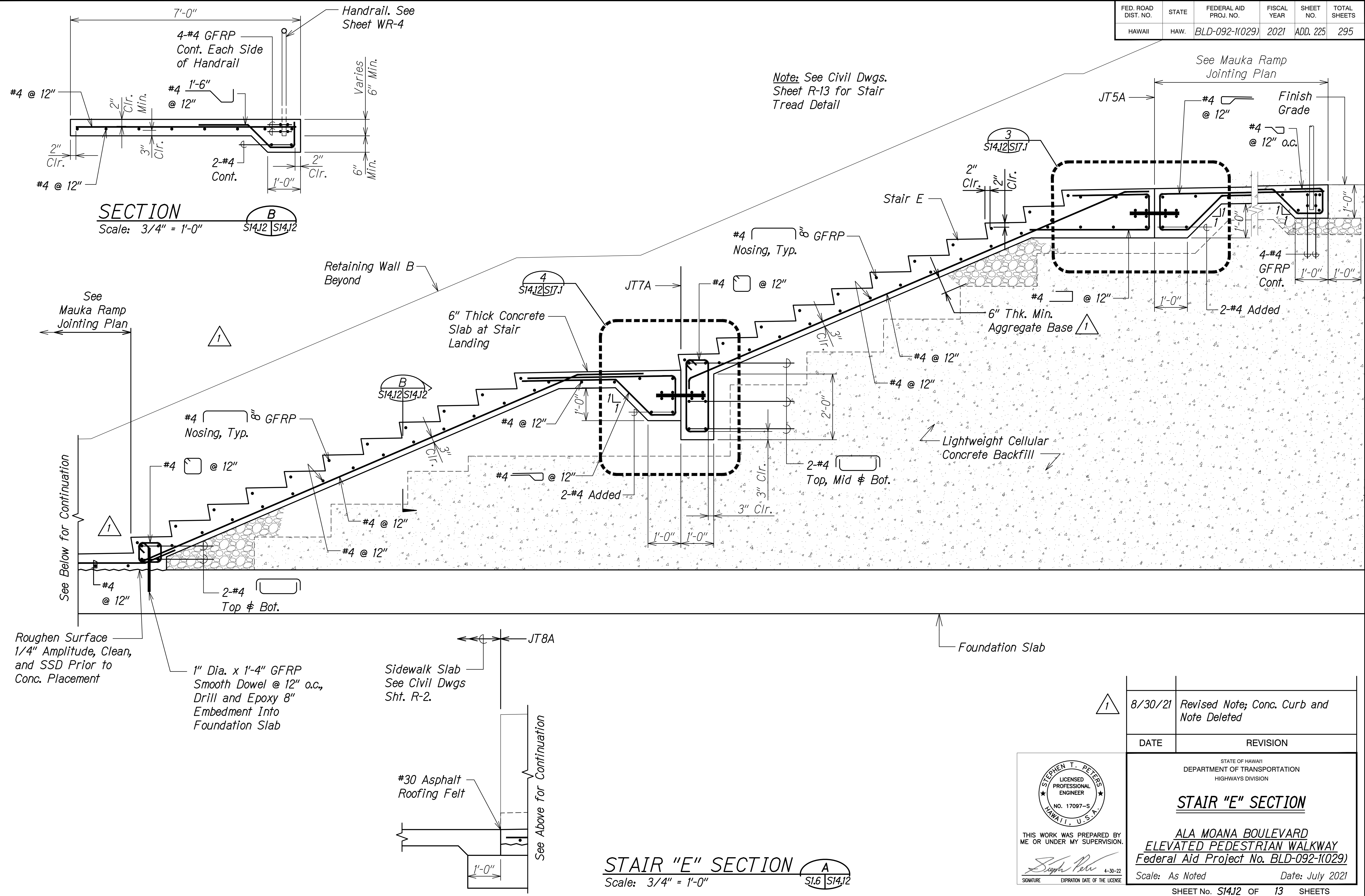
8/30/21	Revised Note
DATE	REVISION



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
STAIR "D" SECTIONS	
ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029)	
Scale: As Noted	Date: July 2021

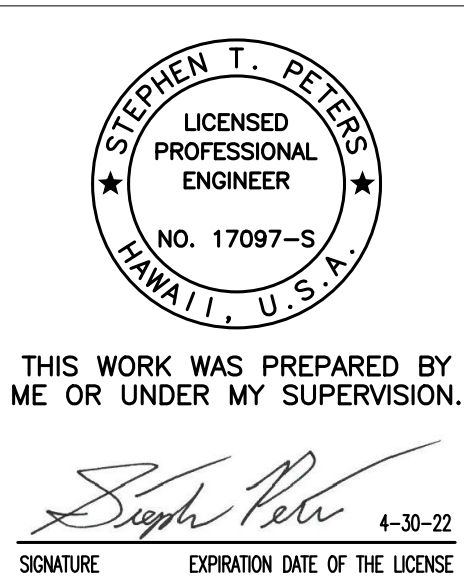
SHEET No. S14.11 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 225	295



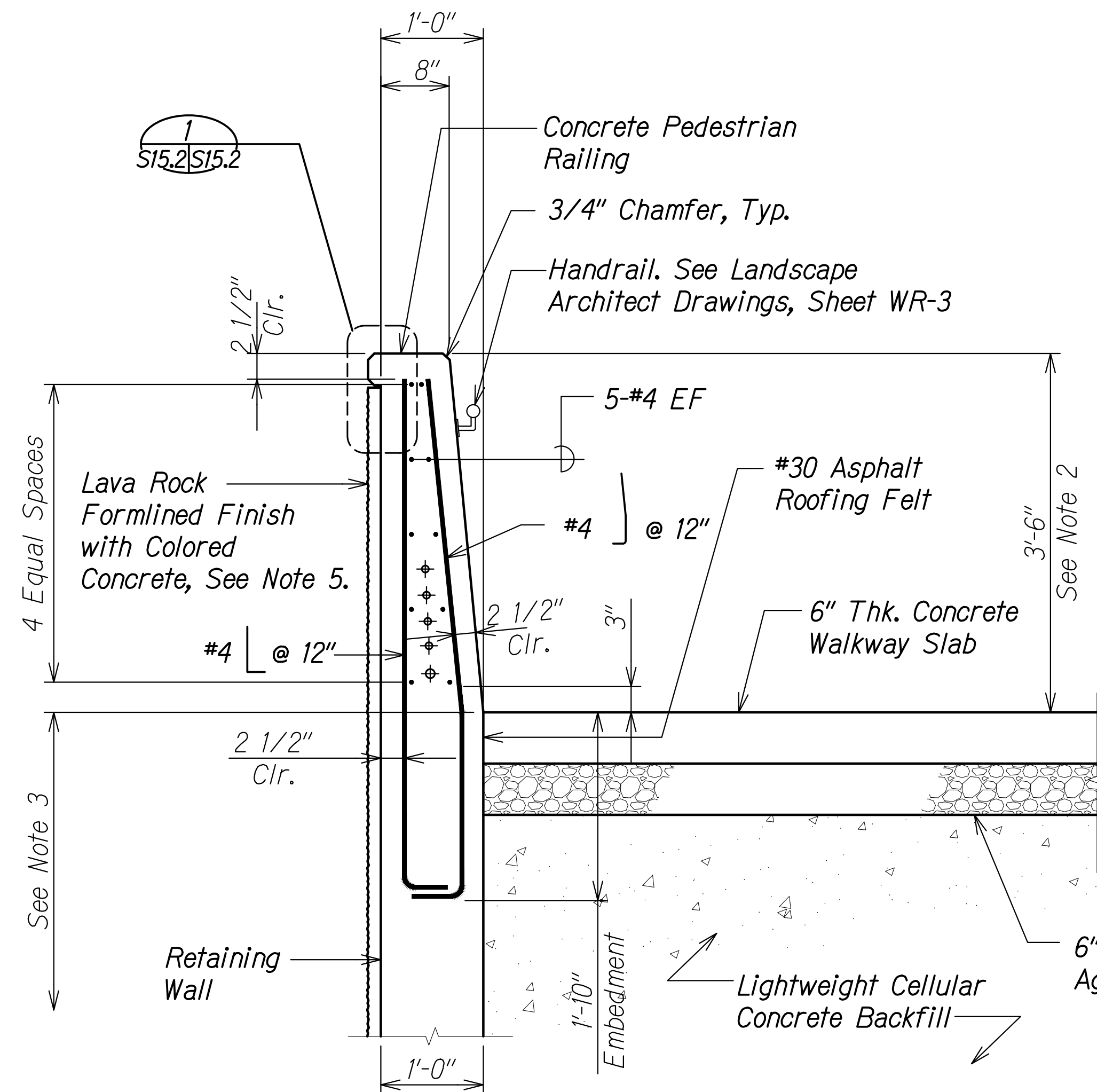
ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA FED BR-HA\01 CAD\08-30-21 ADD1\AMP-S1412 STAIR SECT ADD1.DWG PLOT TIME: 08-30-21 11:37 AM



8/30/21	Revised Note; Conc. Curb and Note Deleted
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STAIR "E" SECTION ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029) Scale: As Noted Date: July 2021 SHEET No. S14.12 OF 13 SHEETS	

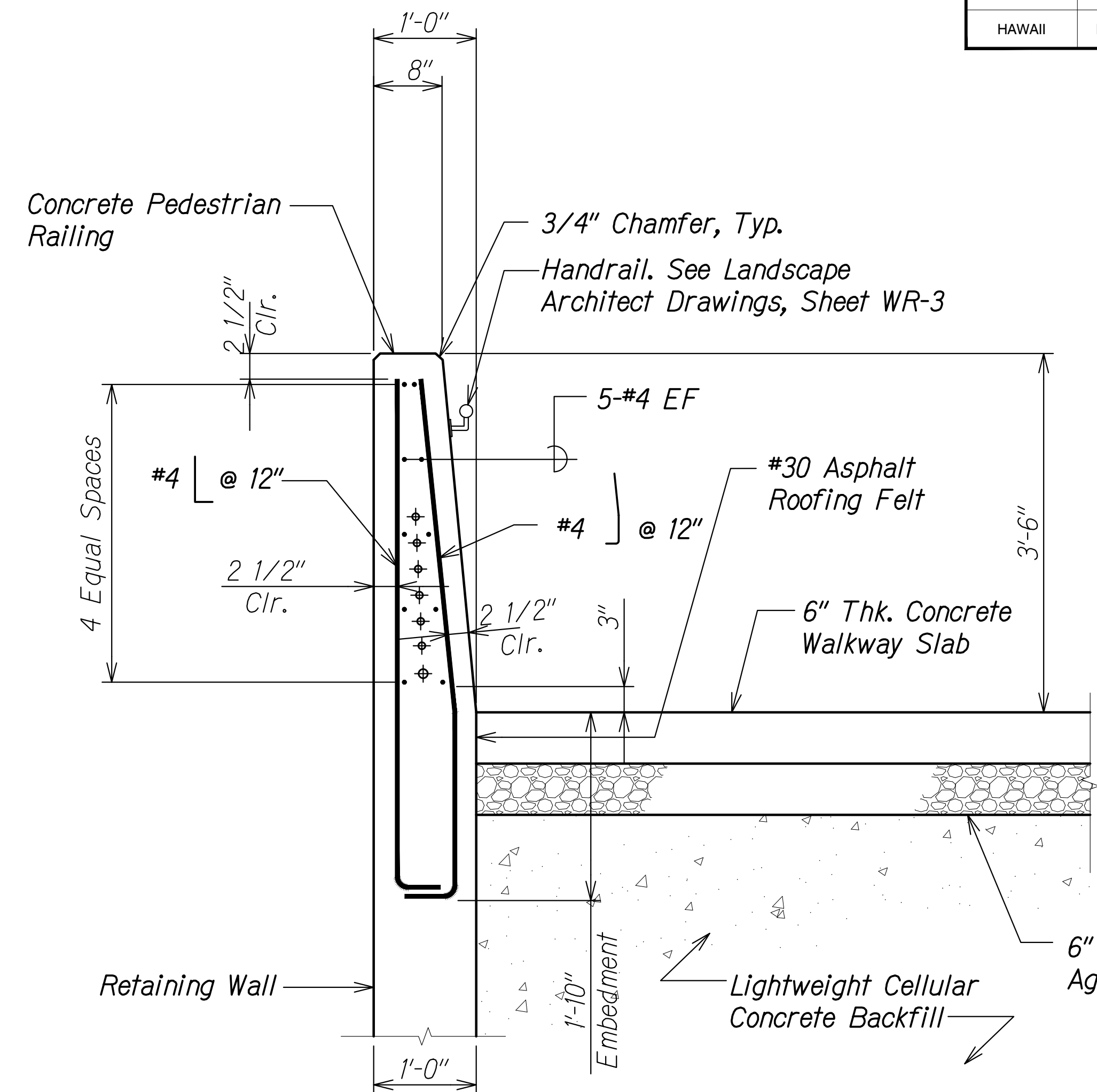
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 228	295



CONCRETE PEDESTRIAN RAMP RAILING
SECTION WITH LAVA ROCK FORMLINED FINISH

Scale: 1" = 1'-0"

A
S15.2 S15.2



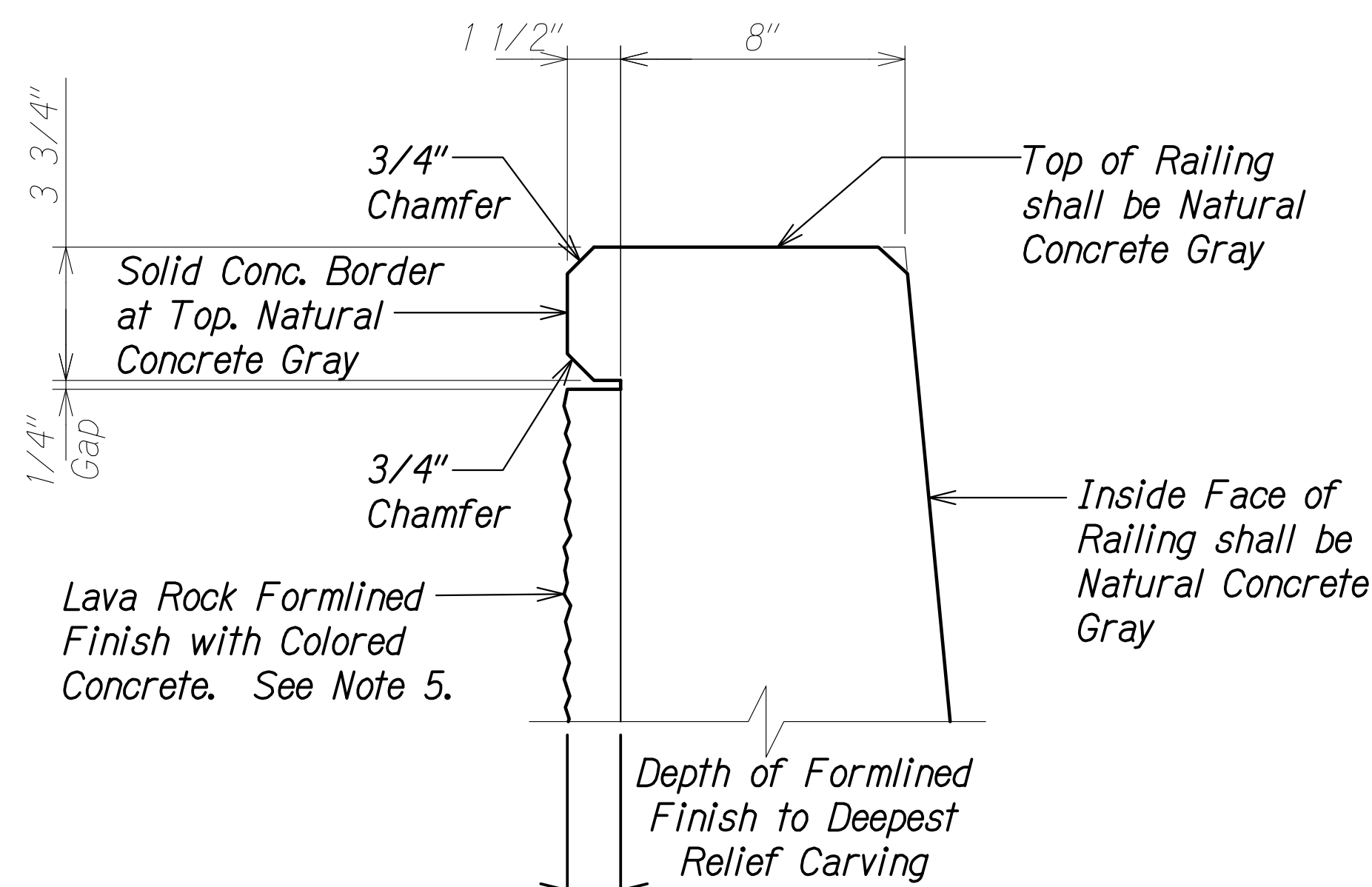
TYPICAL CONCRETE PEDESTRIAN
RAMP RAILING SECTION

Scale: 1" = 1'-0"

B
S15.2 S15.2

Notes:

- Formlined finish of railing shall be incidental to Pay Item 507.1000 Concrete Pedestrian Railing.
- Pay Limits for Item 507.1000 shall extend 3'-6" above top of bridge deck / walkway slab.
- Formlined finish of retaining wall below railing shall be incidental to Pay Item 503.0000 Concrete for Retaining Walls.
- Electrical conduits shown for schematic purposes only and vary along project length. See Electrical drawings for size and quantity. Maintain 1 1/2" minimum clearance between adjacent conduits and between conduits and reinforcing steel.
- The outside face of the lava rock formlined finish shall resemble the colors as shown in special provisions Section 601. The top border element, top of rail and inside face of railing shall remain natural concrete gray. Contractor shall submit method for achieving the desired looks to the Engineer for review and approval. This shall be represented in the test panel as described in Special Provisions Section 660.



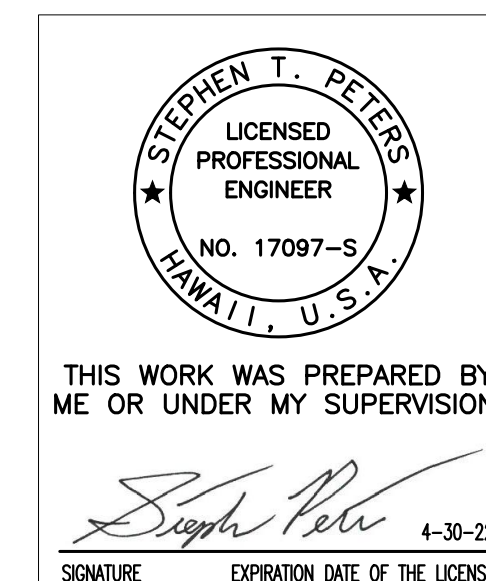
DETAIL

Scale: 3" = 1'-0"

1
S15.2 S15.2

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

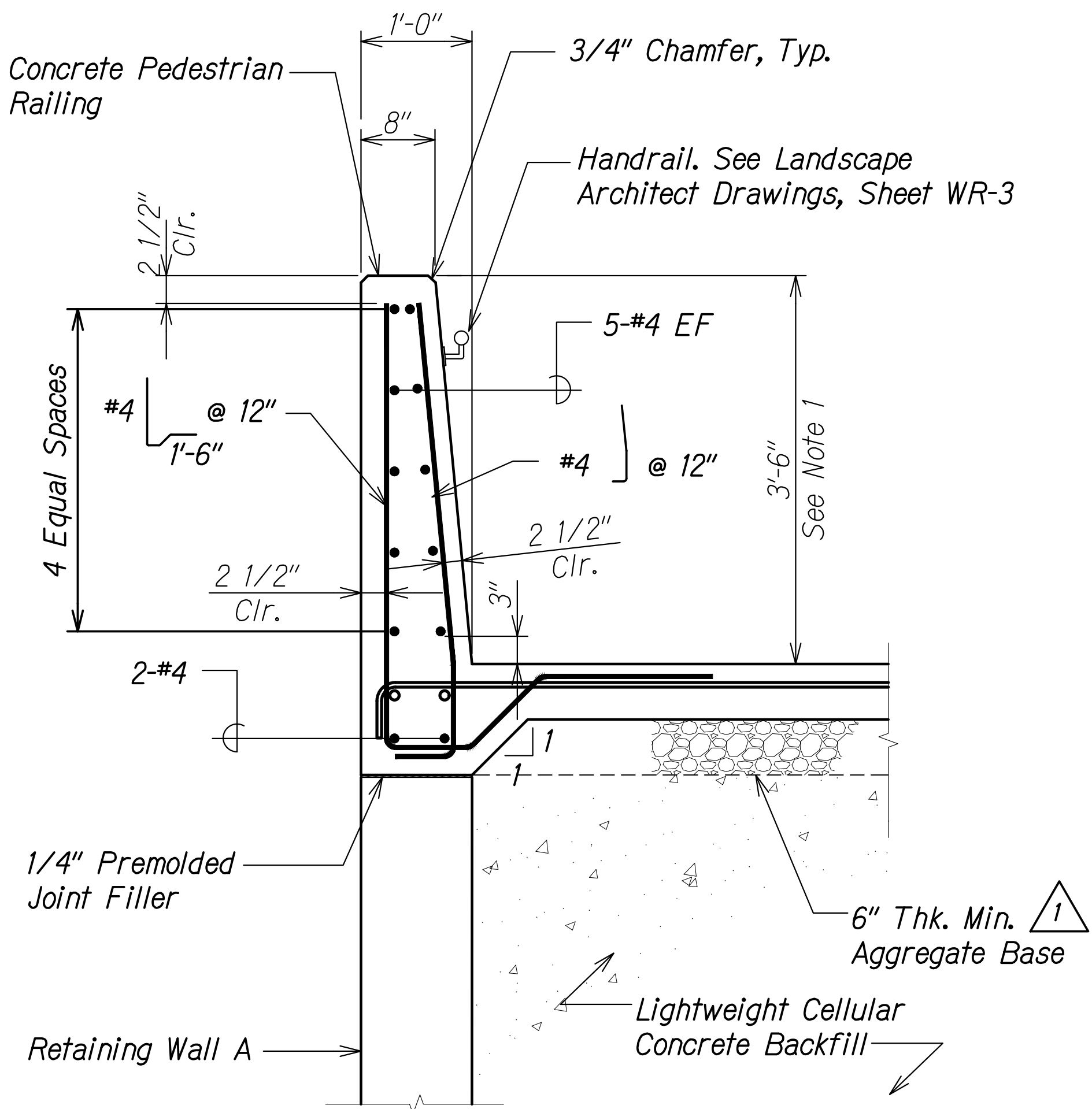
DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HA\01 CAD\08-30-21 ADD1\AMP-S1501 RAILG ADD1.DWG PLOT TIME: 08-30-21, 11:38 AM



DATE	REVISION
8/30/21	Revised Note
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION RAILING SECTIONS ALA MOANA BOULEVARD ELEVATED PEDESTRIAN WALKWAY Federal Aid Project No. BLD-092-1(029)	
Scale: As Noted	Date: July 2021

SHEET No. S15.2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 229	295



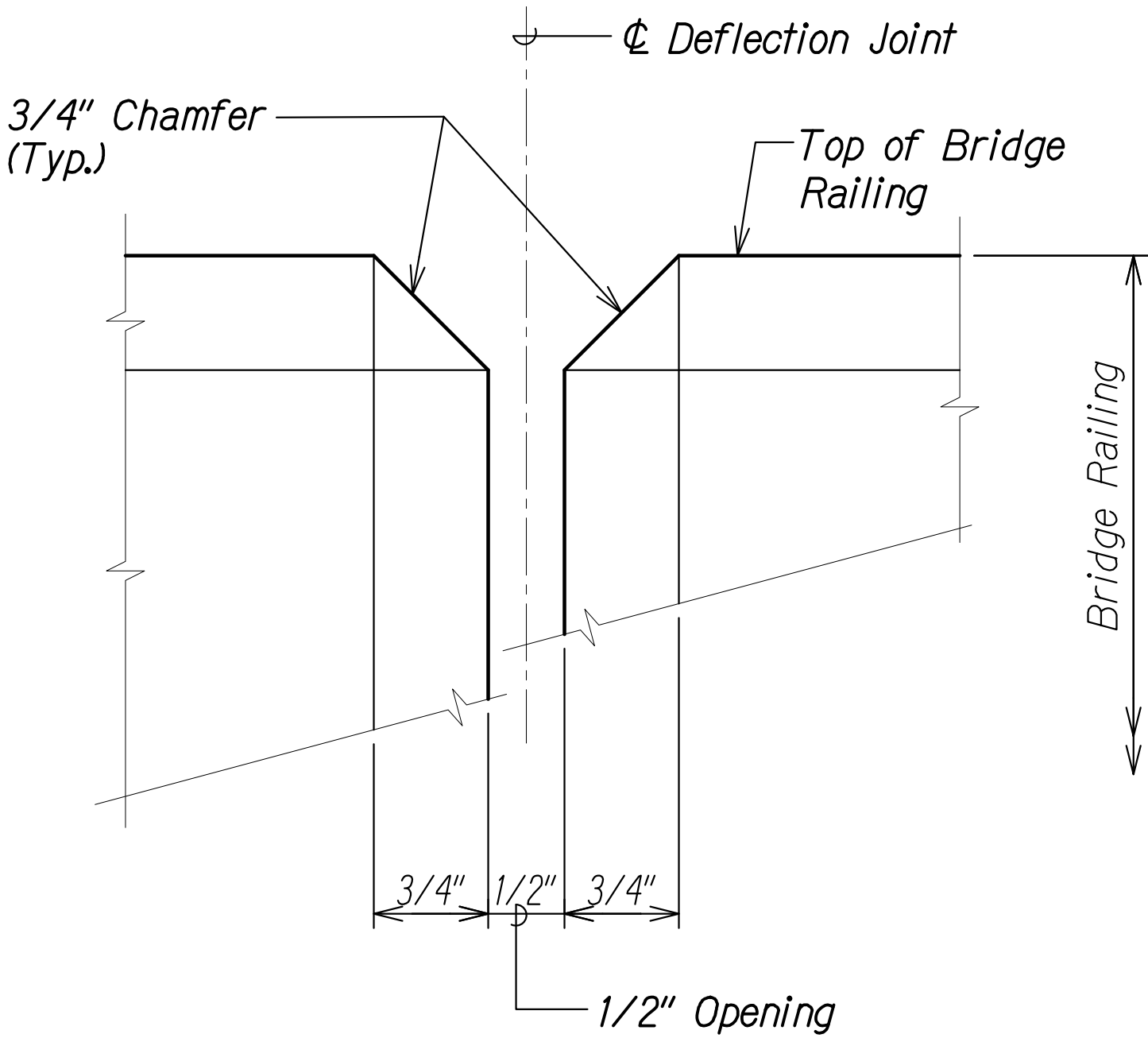
CONCRETE PEDESTRIAN RAMP RAILING
SECTION AT STAIR F

Scale: 1" = 1'-0"

A
S15.3 S15.3

Note:

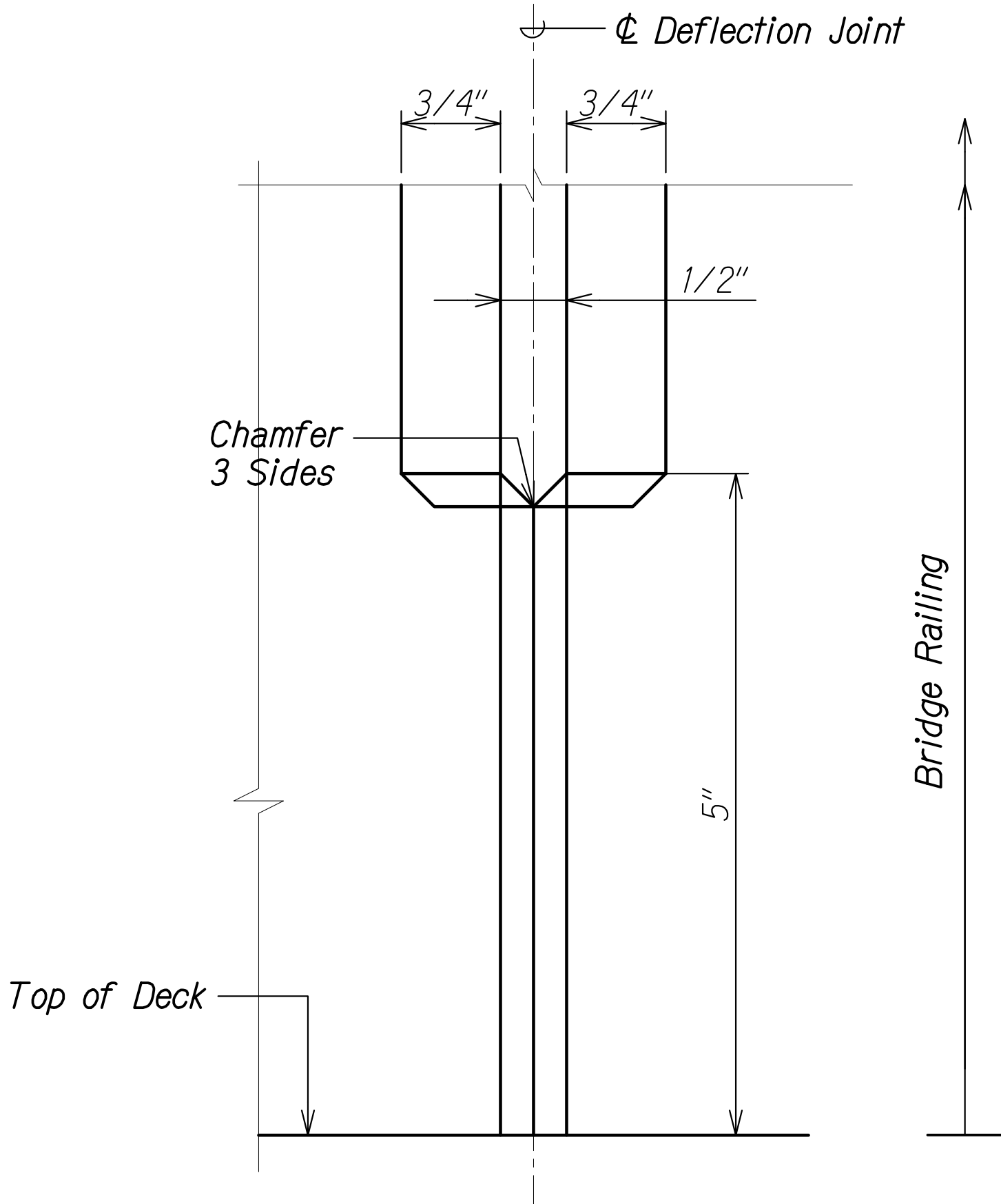
1. Pay Limits for Item 507.1000 shall extend 3'-6" above top of walkway slab / edge of stair tread.



DEFLECTION
JOINT DETAIL

Full Scale

1
S15.3 S15.3



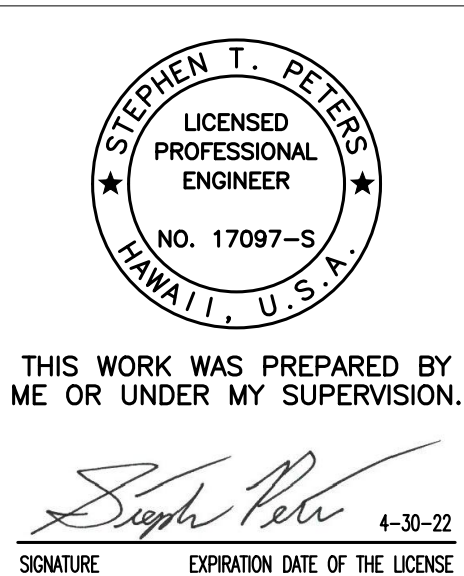
DEFLECTION
JOINT DETAIL

Full Scale

2
S15.3 S15.3

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

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HH\01 CAD\08-30-21 ADD1\AMP-S1501 RAILG ADD1.DWG PLOT TIME: 08-30-21, 11:39 AM



8/30/21	Revised Note
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**RAILING SECTION
AND JOINT DETAILS**

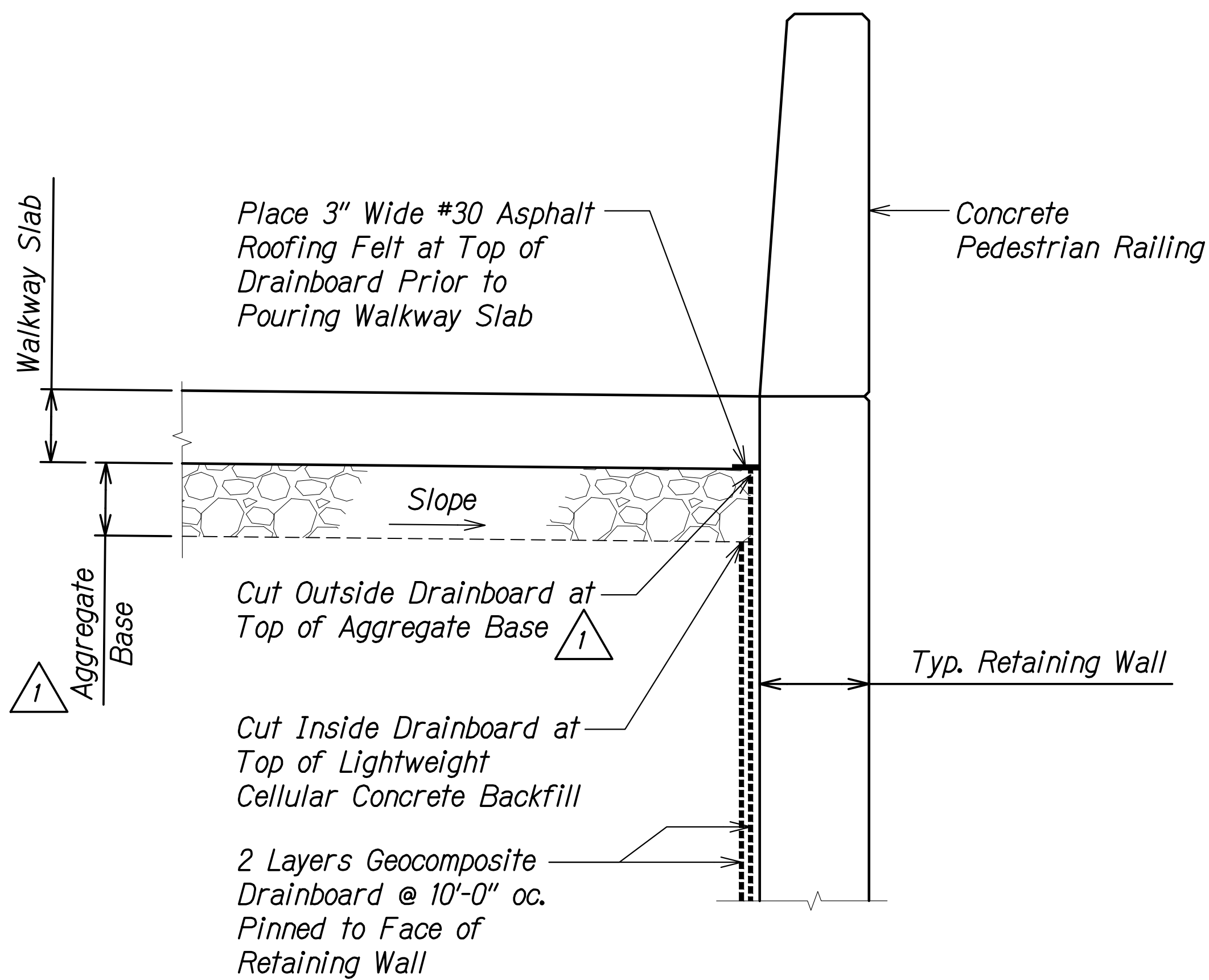
ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)

Scale: As Noted Date: July 2021

SHEET No. S15.3 OF 3 SHEETS

ADD. 229

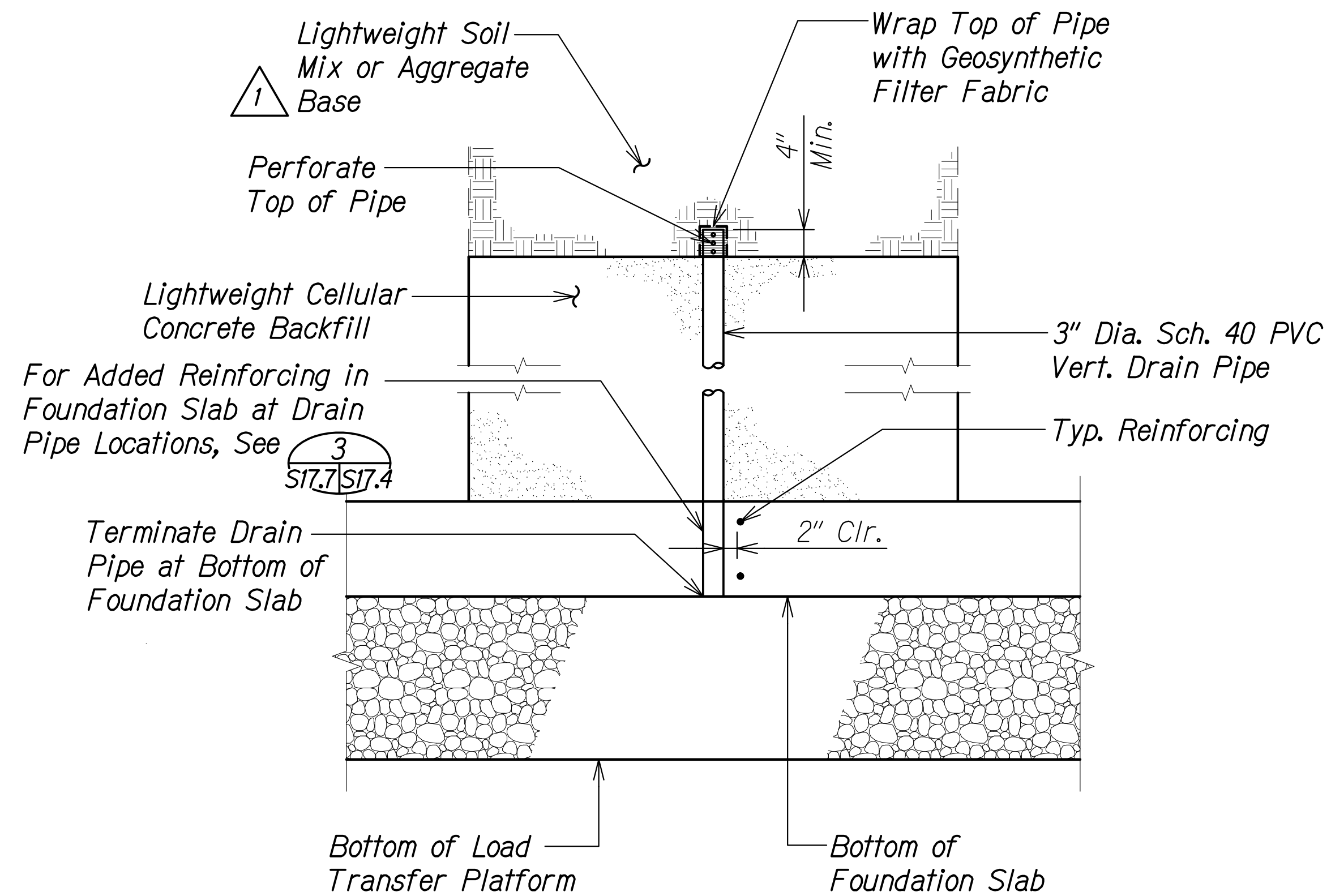
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 239	295



**TYPICAL DRAINBOARD DETAIL
AT RETAINING WALL**

Scale: 1" = 1'-0"

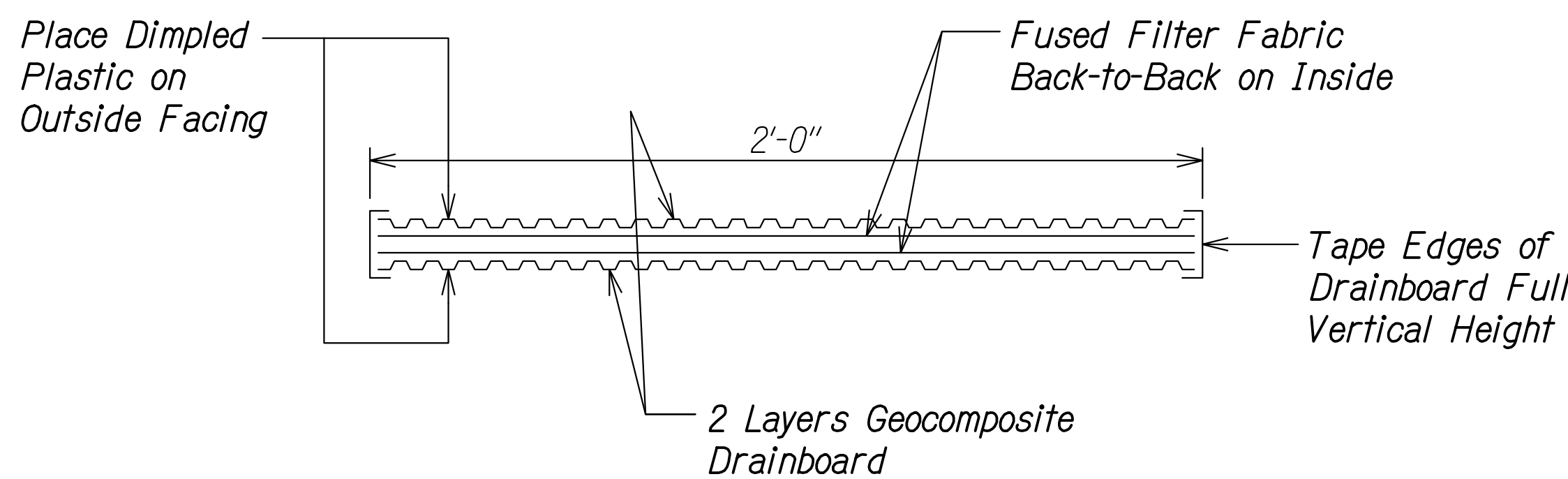
1
S17.7 S17.7



TYPICAL VERTICAL DRAIN PIPE DETAIL

Scale: 3/4" = 1'-0"

3
S17.7 S17.7



TYPICAL DRAINBOARD DETAIL

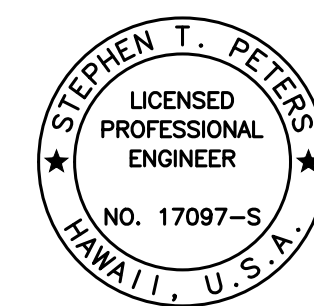
Scale: 3" = 1'-0"

2
S17.7 S17.7

1

8/30/21 Revised Notes

DATE REVISION



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL DETAILS

**ALA MOANA BOULEVARD
ELEVATED PEDESTRIAN WALKWAY
Federal Aid Project No. BLD-092-1(029)**

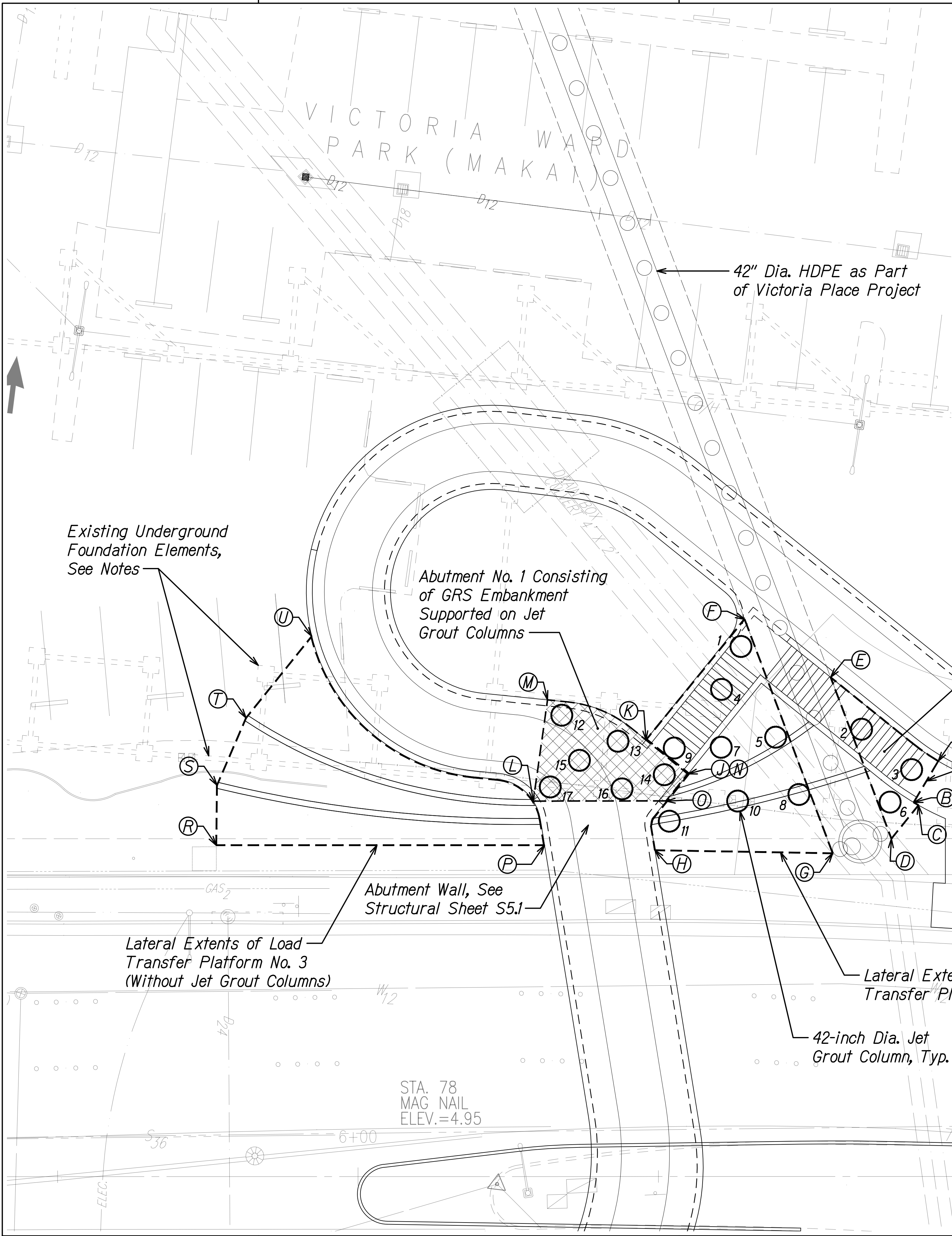
Scale: As Noted Date: July 2021

SHEET No. S17.7 OF 11 SHEETS

ADD. 239

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

DRAWING NAME: Z:\00 ONGOING\20-012-ALA MOANA PED BR-HA\01 CAD\08-30-21 ADD\AMP-S1707 TYP DET ADD1.DWG PLOT TIME: 08-30-21, 11:39 AM



Load Transfer Platform No. 1 Limits Schedule		
Identification	Southing	Westing
A	6479.4168	2290.7336
B	6483.7958	2297.4287
C	6484.5598	2296.9180
D	6487.5840	2303.4165
E	6459.0145	2300.6812
Load Transfer Platform No. 2 Limits Schedule		
F	6444.0290	2309.2922
G	6485.4759	2313.2604
H	6471.9937	2339.6109
J	6463.0189	2329.0541
K	6454.8630	2332.8593
Abutment No. 1 Limits Schedule		
L	6455.7499	2354.1885
M	6441.6598	2344.6456
N	6463.0189	2329.0541
O	6465.4784	2334.3256
Load Transfer Platform No. 3 Limits Schedule		
P	6463.1738	2355.7434
R	6439.1452	2404.8030
S	6430.2260	2400.2972
T	6422.2952	2391.0223
U	6414.8958	2375.2265

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	ADD. 258	295
Jet Grout Column Schedule					
Column No.	Southing	Westing			
1	6447.8405	2311.8227			
2	6468.7694	2299.9906			
3	6478.7372	2295.3383			
4	6452.8360	2317.8697			
5	6463.9372	2313.2816			
6	6482.0201	2300.9303			
7	6461.4609	2332.1623			
8	6474.2074	2314.0059			
9	6458.1386	2329.2307			
10	6470.7040	2323.6419			
11	6468.7111	2335.3317			
12	6444.9998	2343.6398			
13	6453.0040	2337.1450			
14	6461.4011	2332.6740			
15	6453.0346	2344.3039			
16	6460.4198	2340.0293			
17	6454.8776	2350.6168			
Jet Grout Column Test Section Schedule					
TS-01	6460.1412	2259.6567			
TS-02	6463.5846	2261.6922			
TS-03	6467.0279	2263.7278			

- NOTES:**
- The existing foundations shown herein were not surveyed and only shown herein as reference. Contractor shall verify location of existing foundations and utilities.
 - As-built drawings entitled "The Ward Warehouse, 1050 Ala Moana Blvd., Honolulu, Hawaii" dated April 1973 prepared for Victoria Ward Limited (Owner) can be requested through Hawaii Department of Transportation.

GENERAL PLAN	DATE
DESIGNED BY	...
NOTES REVISIONS BY	...
CHECKED BY	...

REVISION

8/30/21

REVISED NOTE

DATE

BRIEF

MADE BY

APPROVED

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

JET GROUT COLUMN PLAN - MAUKA RAMP

ALA MOANA BOULEVARD

ELEVATED PEDESTRIAN WALKWAY

Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'

Date: July 2021

ROBIN M. LIM

LICENSED PROFESSIONAL ENGINEER

No. 8436-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

04/30/22

EXPIRATION DATE OF THE LICENSE

SHEET No. B-13 OF 23 SHEETS

ADD. 258