

STRUCTURAL GENERAL NOTES

- ### 3. Materials (Cont.):

4. Construction Notes (Cont.):

- ## 2. Design Specifications:

4. Construction Notes:

- J. The Contractor shall be responsible for the cost of all high strength bolting and welding inspection, including any non-destructive testing. Cost shall be incidental to the repair work. Reports shall be submitted to the Engineer for review and approval. All deficient work shall be corrected with no increase in cost to the State.

- ### 3. Materials:

- ### A. Structural Steel

- (1) All steel shall conform to the following requirements:

Rolled Steel Shapes

- | | |
|--|-----------|
| (a) Channels | ASTM A36 |
| (b) Angles | ASTM A36 |
| (c) Plates and All Others | ASTM A36 |
| (d) All Structural Steel
shall be hot-dip zinc
galvanized after
fabrication | ASTM A123 |

- B. The Contractor is prohibited from accessing the water under the bridge. This includes the entire area under the bridge within the State Right of Way. All access to the repair sites shall be from the top of the bridge or a temporary work platform. Work Platform shall be paid for under Item 209.1000 - Installation, Maintenance, Monitoring, and Removal of BMP and Work Platform - Wailuku Bridge.*

- C. *The Contractor shall be entirely responsible for the stability of the bridge and integrity of the members during construction. The Contractor shall make repairs in conformance with the sequences shown on the plans.*

- D. The Contractor shall field verify all existing conditions, dimensions, and member sizes prior to fabrication of any bridge elements. The Engineer shall be notified immediately regarding any change of conditions or discrepancies between the plans and field investigation.

- E. The structural repair details shown on the plans are based on the Engineer's findings during the latest site investigation. If existing bridge members that are to remain, have deteriorated such they cannot be bolted or welded to, the Engineer shall be notified immediately.

- F. Work platform drawings and calculations, stamped by a Professional Structural Engineer, licensed in the State of Hawaii, shall be submitted to the Engineer for review and approval. Calculations shall include a structural assessment of all bridge components that support any portion of the work platform.*

- G. Work platform shall be designed for the actual weights of required construction equipment and material plus the intended design Live Load but not to be less than a minimum uniform 20 pounds per square foot Live Load plus 75 pounds per linear foot Live Load applied at all cantilever edge overhangs. Design for lateral loads in conformance with Section 22 of the AASHTO "Guide Design Specifications for Bridge Temporary Works".

- H. No additional holes shall be added to structural steel members than what is shown on the plans.

- K. The Contractor may obtain for review available As-Built drawings of the existing structure from the HDOT Highways Division, Design Branch located at Kakuhiihewa Building, Room 609, 601 Kamokila Boulevard, Kapolei, HI 96707.

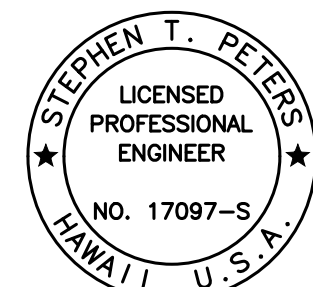
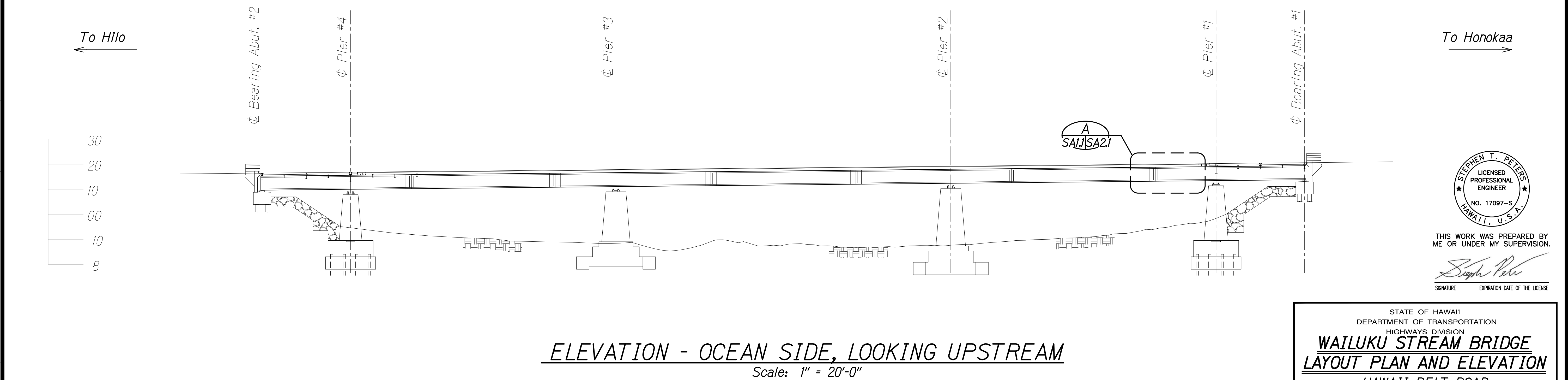
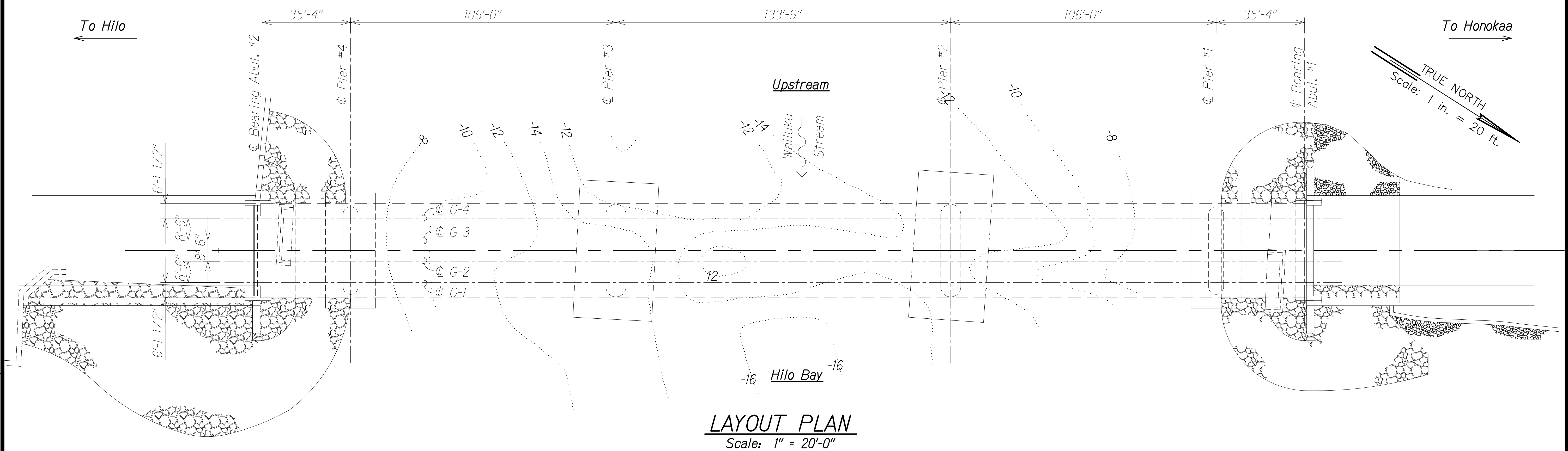


ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	BY _____
	TRACED BY _____	BY _____
	DESIGNED BY _____	BY _____
	QUANTITIES BY _____	BY _____
No. _____	CHECKED BY _____	BY _____

DRAWING NAME: 7:\00 ONGOING\20-0408-CRITICAL PPR WALL I/K/I-HAKALAI-NANUE\01 CAD\09-28-21 REVISED TITLE SHEET\HCR-S40001 WALL GENNOTES.DWG PLOT TIME: 09-28-21 4:12 PM)

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19HK-01-22M	2022	5	27



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Stephen Peters
SIGNATURE EXPIRATION DATE OF THE LICENSE

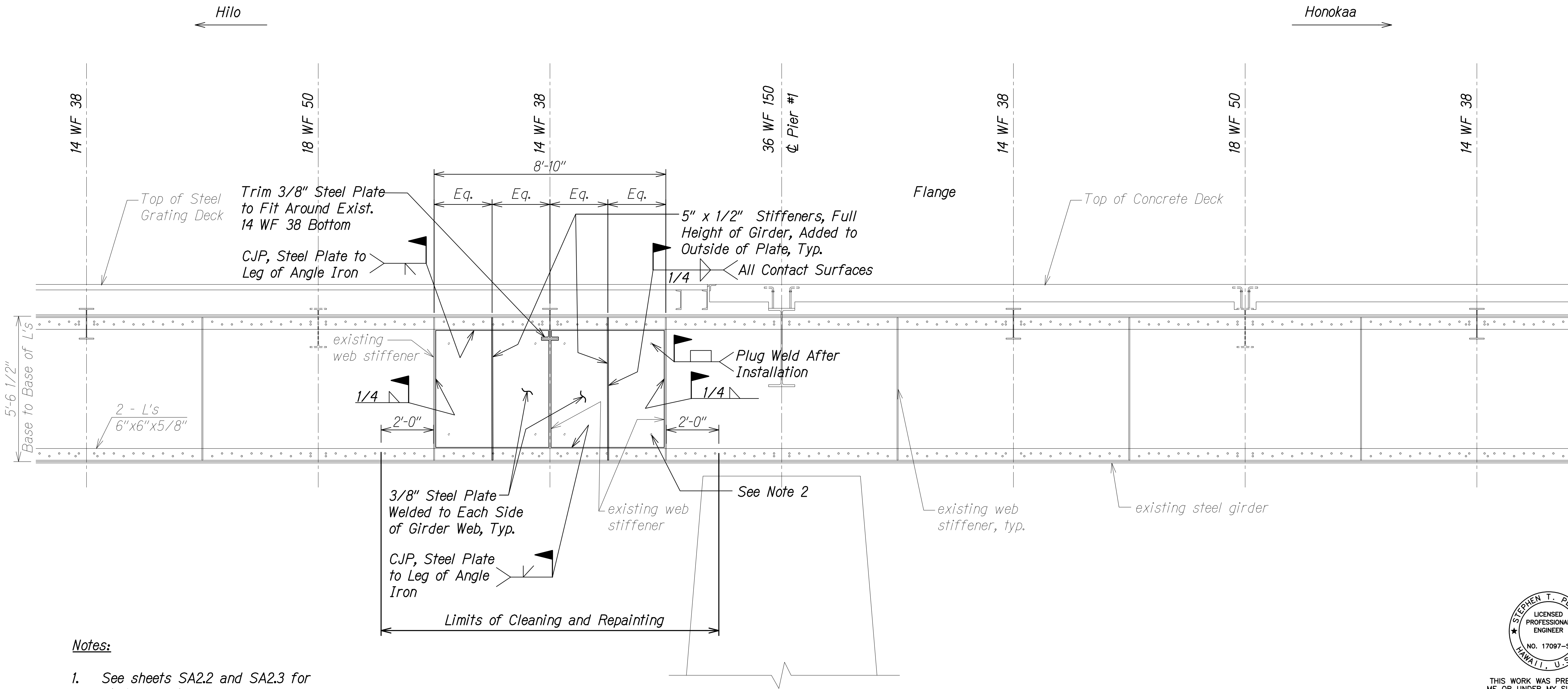
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAILUKU STREAM BRIDGE
LAYOUT PLAN AND ELEVATION

HAWAII BELT ROAD
HAMAKUA COAST BRIDGE REPAIRS
(WAILUKU, HAKALAU AND NANUE STREAM BRIDGES)

Project No. 19HK-01-22M
Scale: As Noted Date: Sept. 2021

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19HK-01-22M	2022	6	27

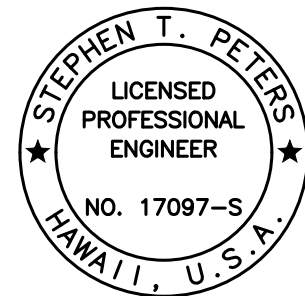


Notes:

1. See sheets SA2.2 and SA2.3 for girder repair sequence.
2. Contractor has the option of installing bolts in plate to aid in erection purposes. After installation, bolts shall be removed and holes shall be plug welded. The surface of all plug welds shall be repaired using a zinc-based solder in accordance with ASTM A780.

MAKAI GIRDER REPAIR ELEVATION DETAIL

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WAILUKU STREAM BRIDGE
GIRDER ELEVATION
HAWAII BELT ROAD
HAMAKUA COAST BRIDGE REPAIRS
(WAILUKU, HAKALAU AND NANUE STREAM BRIDGES)
Project No. 19HK-01-22M
Scale: As Noted Date: Sept. 2021
SHEET No. SA2.1 OF 3 SHEETS

