

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	14	21

STRUCTURAL GENERAL NOTES

1. GENERAL SPECIFICATIONS:

A. State of Hawaii Department of Transportation Hawaii Standard Specifications Road and Bridge Construction 2005 together with Special Provisions prepared for this contract.

2. GENERAL:

A. The contract documents are complementary. Any requirement in one document is as binding as though occurring in all. A stricter requirement prevails over any less strict requirement. The stricter requirement will be the requirement that provides the greater product life, durability, strength and function.

B. Existing conditions are shown on the drawings to the best of the designer's knowledge and are intended to aid the contractor during construction. Bridge dimensions, where shown on the drawings, are based on field measurements. Existing dimensions and elevations shown may not be exact and are provided for information only. Contractor shall field verify all existing dimensions and elevations prior to construction. All discrepancies shall be promptly called to the attention of the Engineer and shall be resolved prior to proceeding with any construction work.

C. Drawings are based on field measurements, taken on March 15, 2022.

D. Bridge is posted at 8 tons.

E. No storage of materials or heavy equipment is allowed on the existing bridge.

F. Contractor shall submit for approval construction procedure and equipment list for concrete grout filled concrete fabric bags.

CONSTRUCTION SEQUENCE

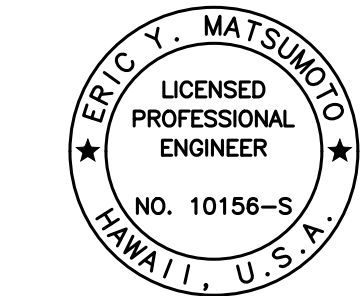
1. Install BMPs.
2. Remove all loose material, soft and otherwise unsuitable subgrade soils, sharp objects and debris from the location of work and properly dispose.
3. Install empty concrete fabric bags into the scour cavity.
4. Install required temporary formwork.
5. Pump concrete grout into concrete fabric bags.
6. Remove BMPs.

CONSTRUCTION SEQUENCE NOTES

1. Order of Construction Sequence shall not be changed unless approved by the Engineer.
2. Each sequence stage shall be completely finished before proceeding to the next stage unless otherwise noted. The Engineer will be the sole judge of whether the sequence stage is complete, and may direct the Contractor to stop work on a sequence stage to complete work on the preceding sequence stage.

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

DRAWING NAME: Z:\00 ONGONG\21-009.3-KAAIEA BR CRITICAL FINDINGS MAU\01 CAD\01-09-23 BID\KSR-50001 GEN NOTES.DWG PLOT TIME: 01-09-23, 10:44 AM



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE: *Eric Y. Matsumoto* EXPIRATION DATE OF THE LICENSE: 4-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

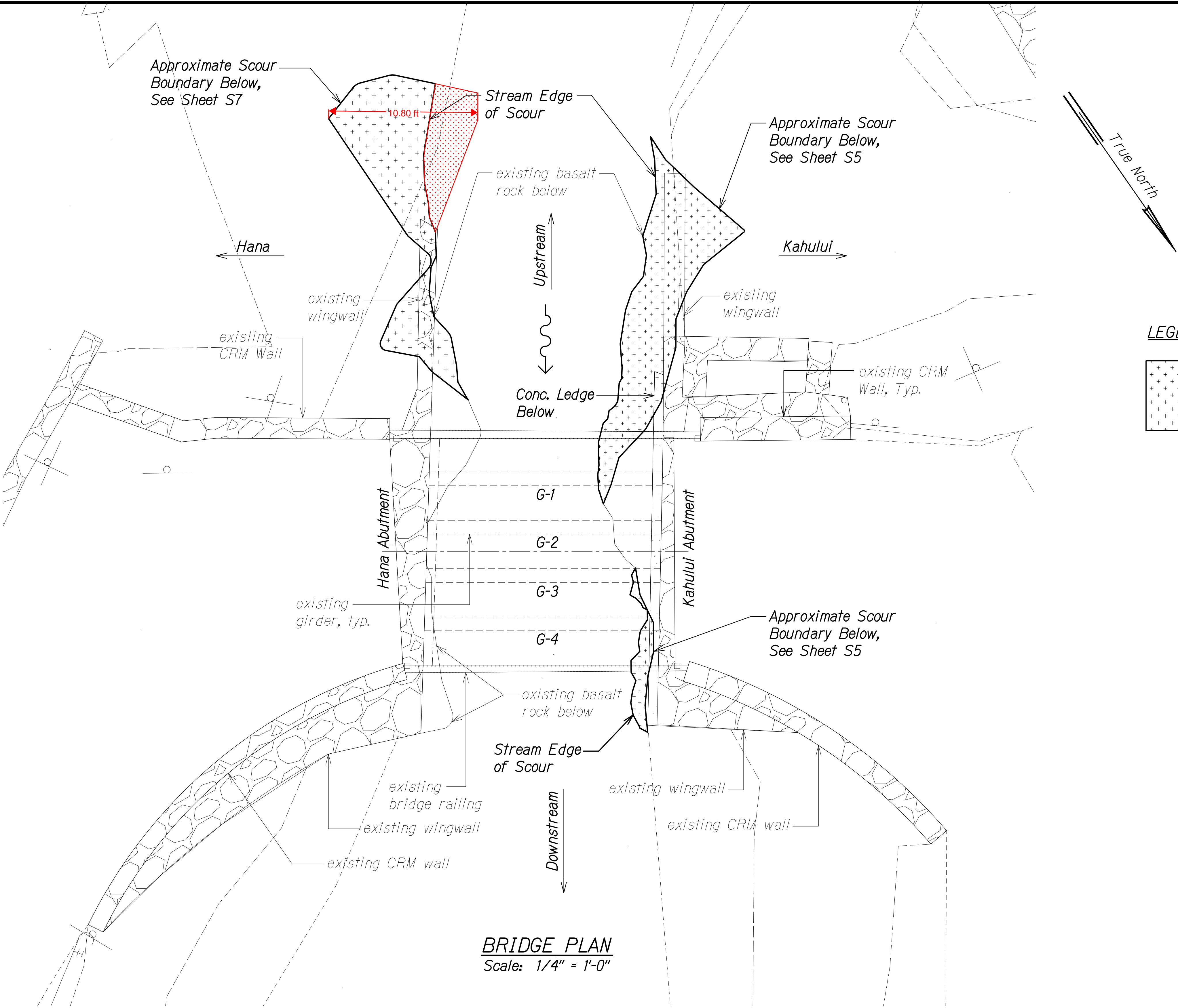
STRUCTURAL GENERAL NOTES
AND CONSTRUCTION SEQUENCE

KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

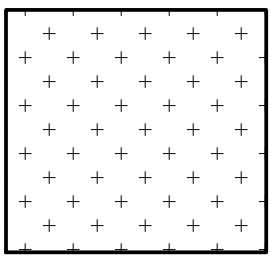
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SHEET No. 14 OF 8 SHEETS

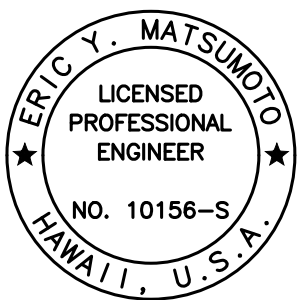
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	15	21



LEGEND:



Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.



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SIGNATURE
4-30-24
EXPIRATION DATE OF THE LICENSE

BRIDGE PLAN

KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

Scale: As Noted Date: Jan. 2023

SHEET No. S2 OF 8 SHEETS

NOTE:

Abutment Back Face Dimension Unknown.

AS-BUILT DRAWINGS

This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field

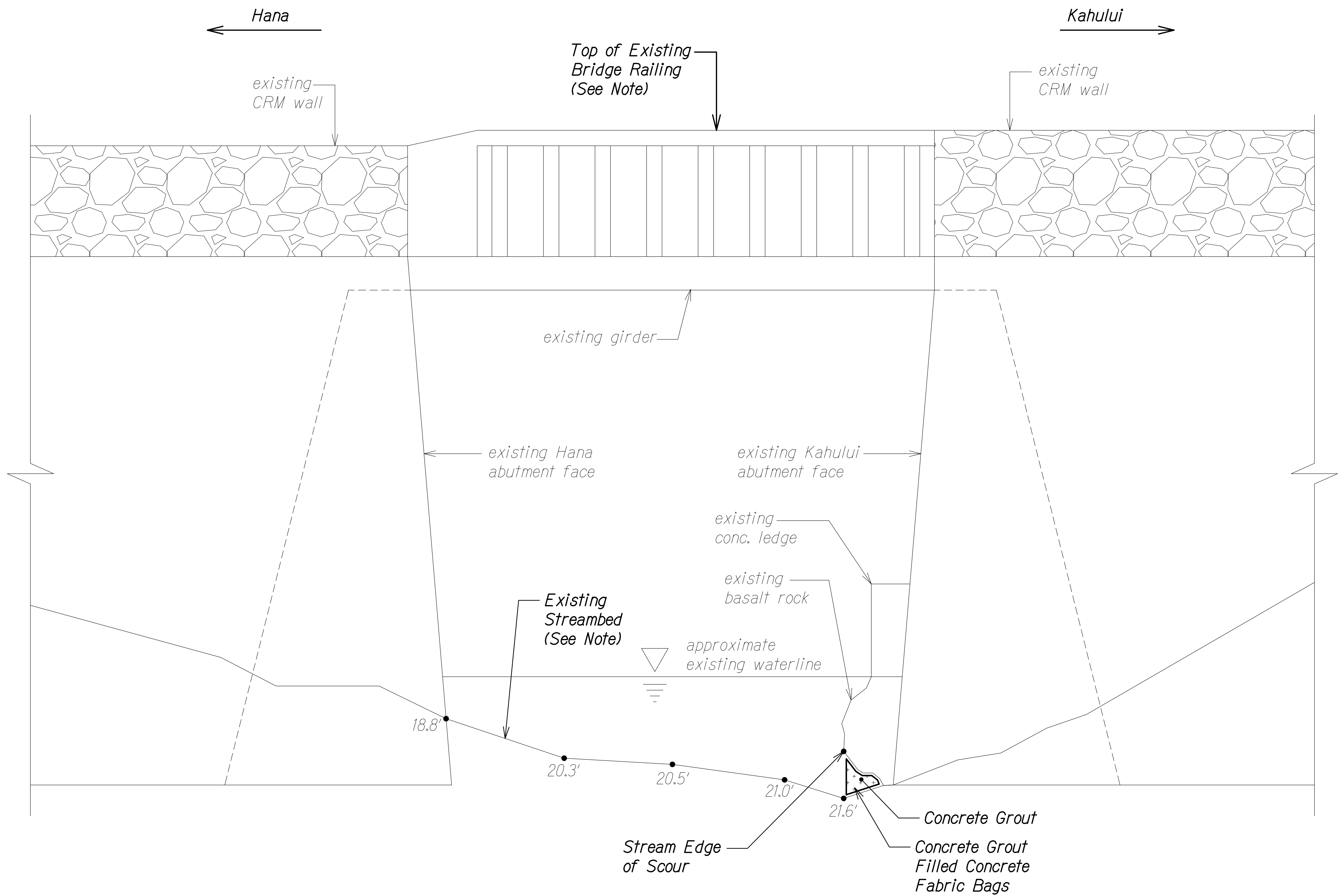
GLOBAL SPECIALTY CONTRACTORS, INC.

Sgt
Signature

5/14/24
Date

"AS-BUILT"

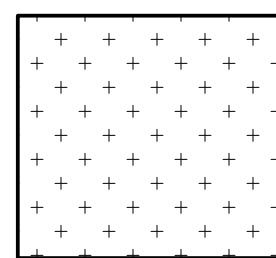
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	16	21



NOTE:

Streambed elevations measured from top of existing bridge railing.

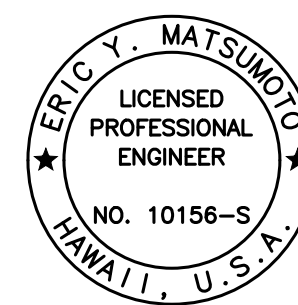
LEGEND:



Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.

DOWNSTREAM BRIDGE ELEVATION

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



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SIGNATURE
4-30-24
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

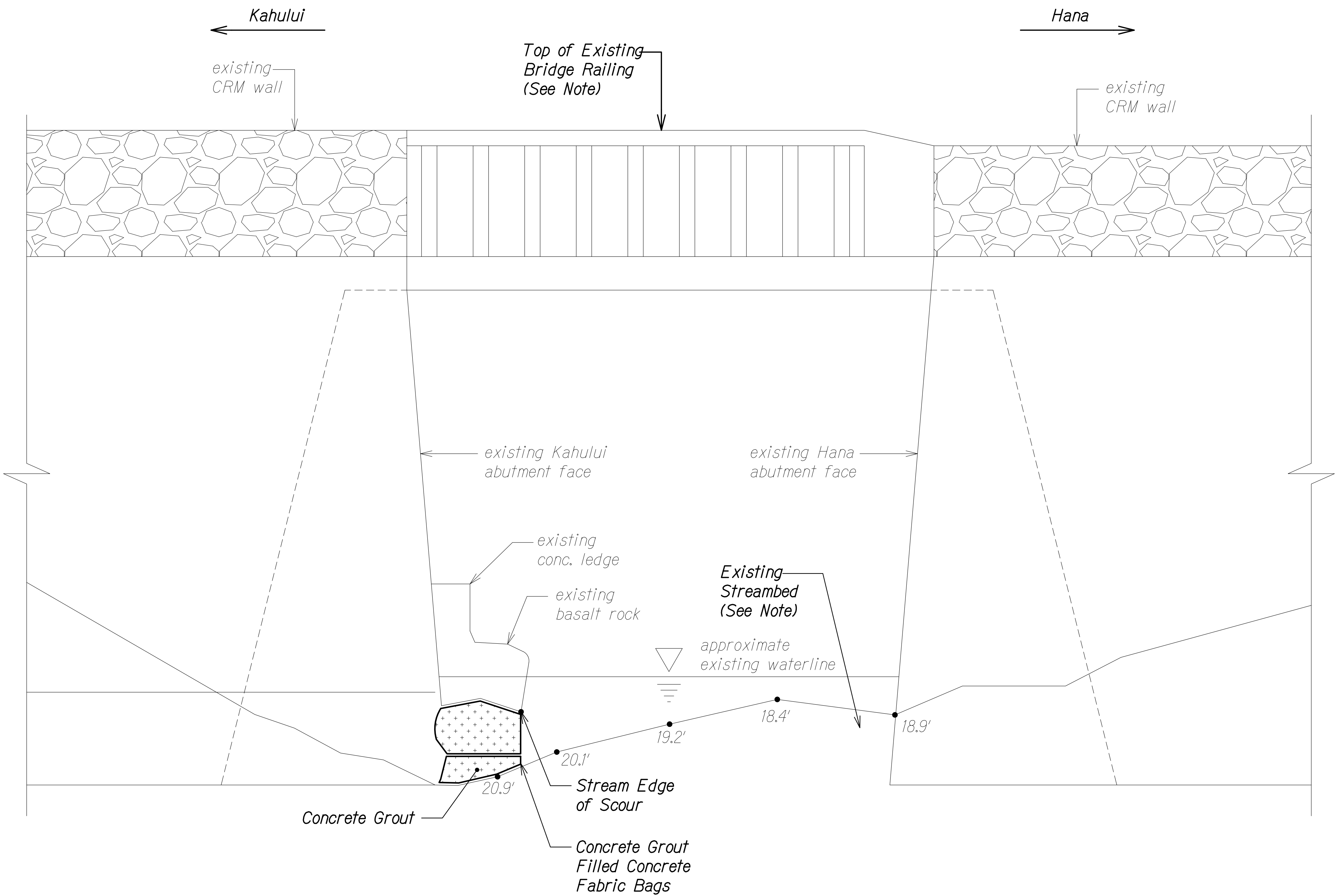
DOWNSTREAM BRIDGE ELEVATION

KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

Scale: As Noted Date: Jan. 2023

SHEET No. S3 OF 8 SHEETS

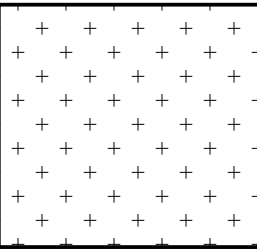
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	17	21



NOTE:

Streambed elevations measured from top of existing bridge railing.

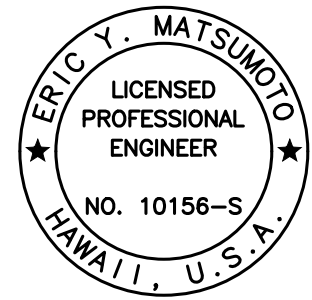
LEGEND:



Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.

UPSTREAM BRIDGE ELEVATION

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



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EXPIRATION DATE OF THE LICENSE: 4-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UPSTREAM BRIDGE ELEVATION

KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

Scale: As Noted Date: Jan. 2023

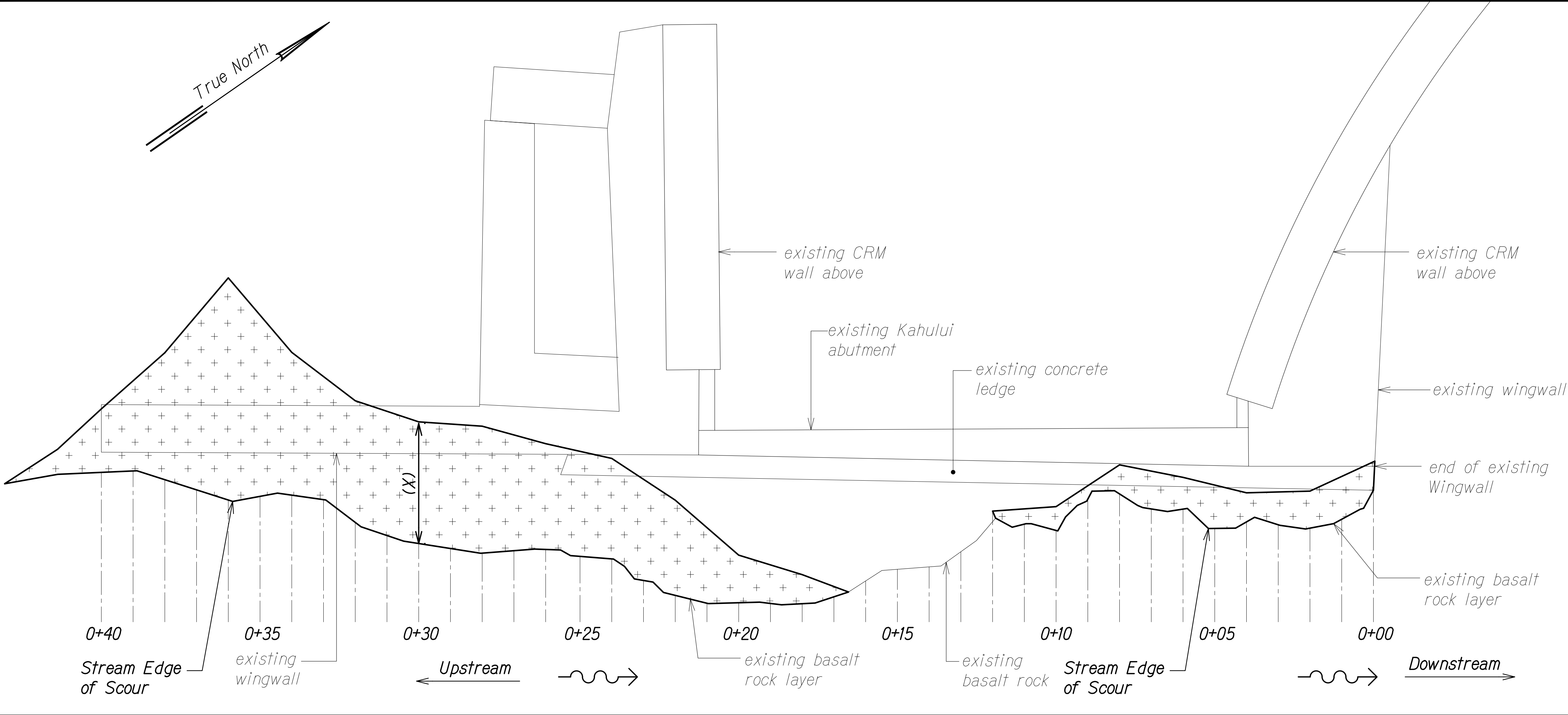
SHEET No. 54 OF 8 SHEETS

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

DRAWING NAME: Z:\00 ONGONG\21-009.3-KAAIEA BR CRITICAL FINDINGS MAUI\01 CAD\01-09-23 BID\KSR-50003 BR ELEV.DWG PLOT TIME: 01-09-23 10:46 AM

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	18	21

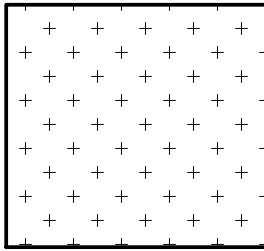
Station	(Y) High (Inches)	(X) Deep (Inches)
0+00	20 24	11
0+02	28 36	14
0+04	42	11
0+06	36	12
0+08	30	11
0+10	32	9
0+12	9	4
0+14	0	0
0+16	0	0
0+18	43	11
0+20	30	18
0+22	48	36
0+24	46	38
0+26	52	40
0+28	56	48
0+30	57	46
0+32	62	46
0+34	66	54
0+36	76 94	84
0+38	78 84	48
0+40	76	24



KAHULUI ABUTMENT FOUNDATION PLAN
Scale: 1/2" = 1'-0"



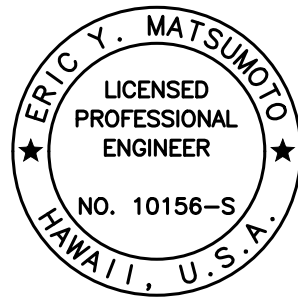
LEGEND:



Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.

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

DRAWING NAME: Z:\00 ONGONG\21-009.3-KAAIEA BR CRITICAL FINDINGS MAUI\01 CAD\01-09-23 BID\KSR-50005 ABUT PLANDWG PLOT TIME: 01-09-23 10:47 AM



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Eric Y. Matsumoto
SIGNATURE
4-30-24
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAHULUI ABUTMENT PLAN

KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

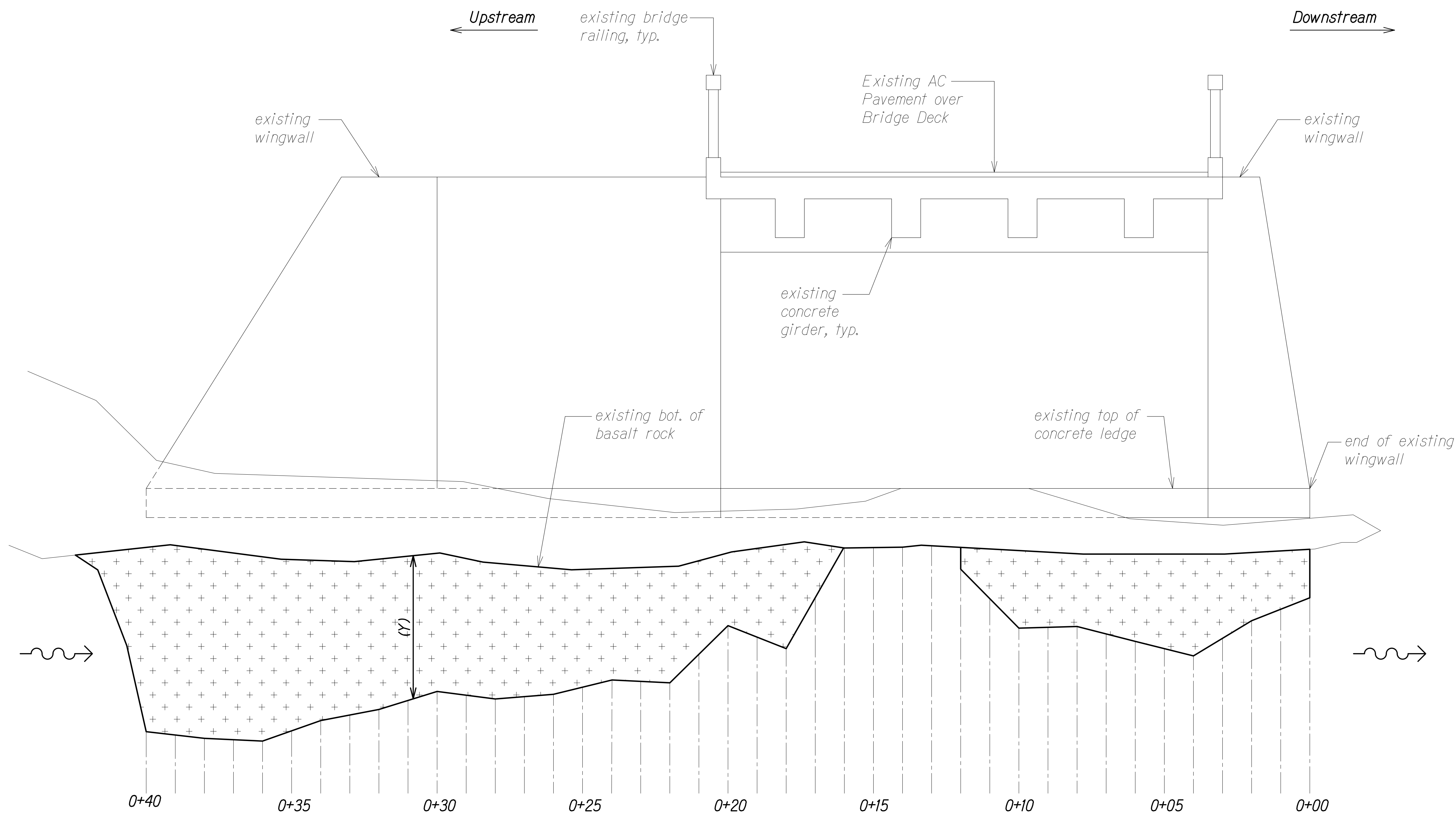
Scale: As Noted
Date: Jan. 2023

SHEET No. S5 OF 8 SHEETS

AS-BUILT DRAWINGS
This certifies that the dimensions and details shown on this sheet reflect the dimensions and details and specifications as constructed in the field.
GLOBAL SPECIALTY CONTRACTORS, INC.
[Signature]
Signature Date: 5/14/24

"AS-BUILT"

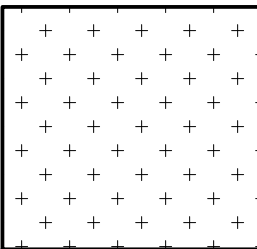
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	19	21



Station	(Y) High (Inches)	(X) Deep (Inches)
0+00	20 24	11
0+02	28 36	14
0+04	42	11
0+06	36	12
0+08	30	11
0+10	32	9
0+12	9	4
0+14	0	0
0+16	0	0
0+18	43	11
0+20	30	18
0+22	48	36
0+24	46	38
0+26	52	40
0+28	56	48
0+30	57	46
0+32	62	46
0+34	66	54
0+36	76 94	84
0+38	78 84	48
0+40	76	24

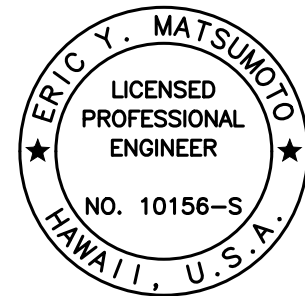
KAHULUI ABUTMENT ELEVATION
Scale: 1/2" = 1'-0"

LEGEND:



Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.

AS-BUILT DRAWINGS
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GLOBAL SPECIALTY CONTRACTORS, INC.
Signature: *[Signature]* Date: 5/14/24



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SIGNATURE: *[Signature]* EXPIRATION DATE: 4-30-24 OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAHULUI ABUTMENT ELEVATION

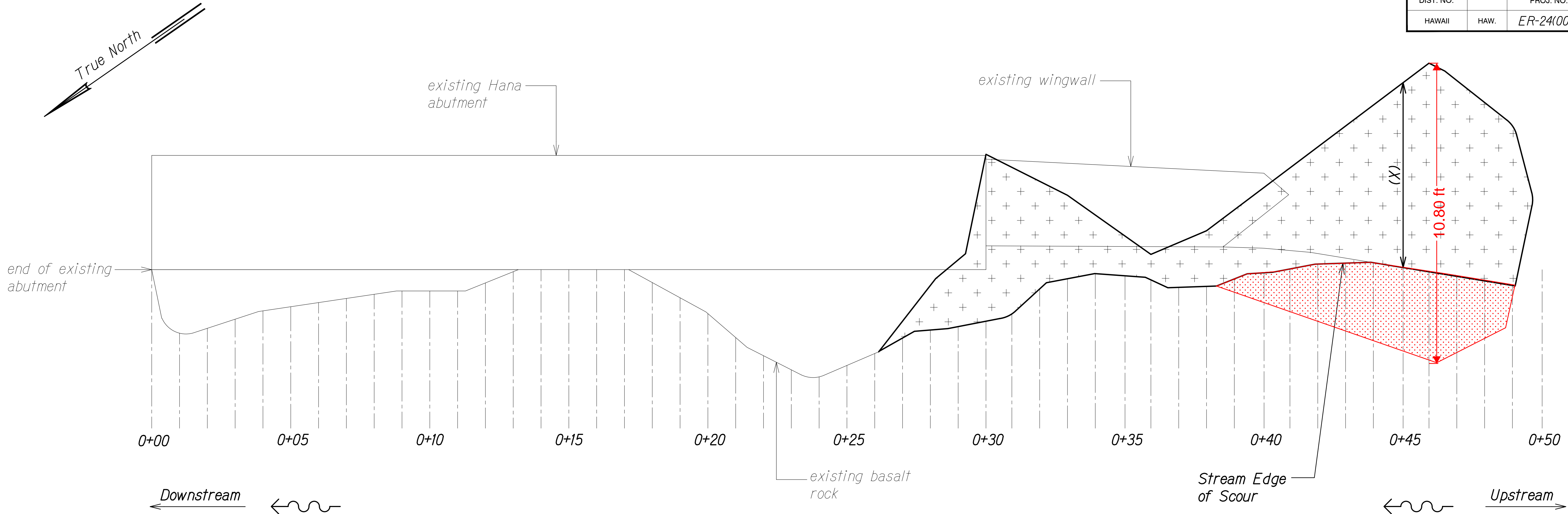
KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

Scale: As Noted Date: Jan. 2023

SHEET No. S6 OF 8 SHEETS

"AS-BUILT"

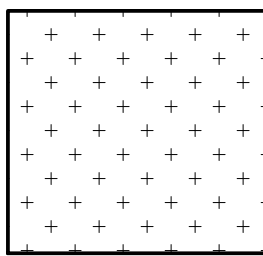
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	20	21



HANA ABUTMENT FOUNDATION PLAN

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

LEGEND:

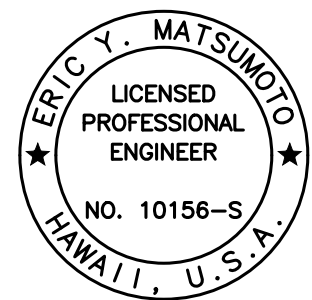


Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.

Station	(Y) High (Inches)	(X) Deep (Inches)
0+30	78	72
0+33	78	36
0+36	86	11
0+38	89	24
0+46	120	90

6

130



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Eric Y. Matsumoto
SIGNATURE
4-30-24
EXPIRATION DATE OF THE LICENSE

AS-BUILT DRAWINGS
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GLOBAL SPECIALTY CONTRACTORS, INC.
[Signature] 5/14/24
Signature Date

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

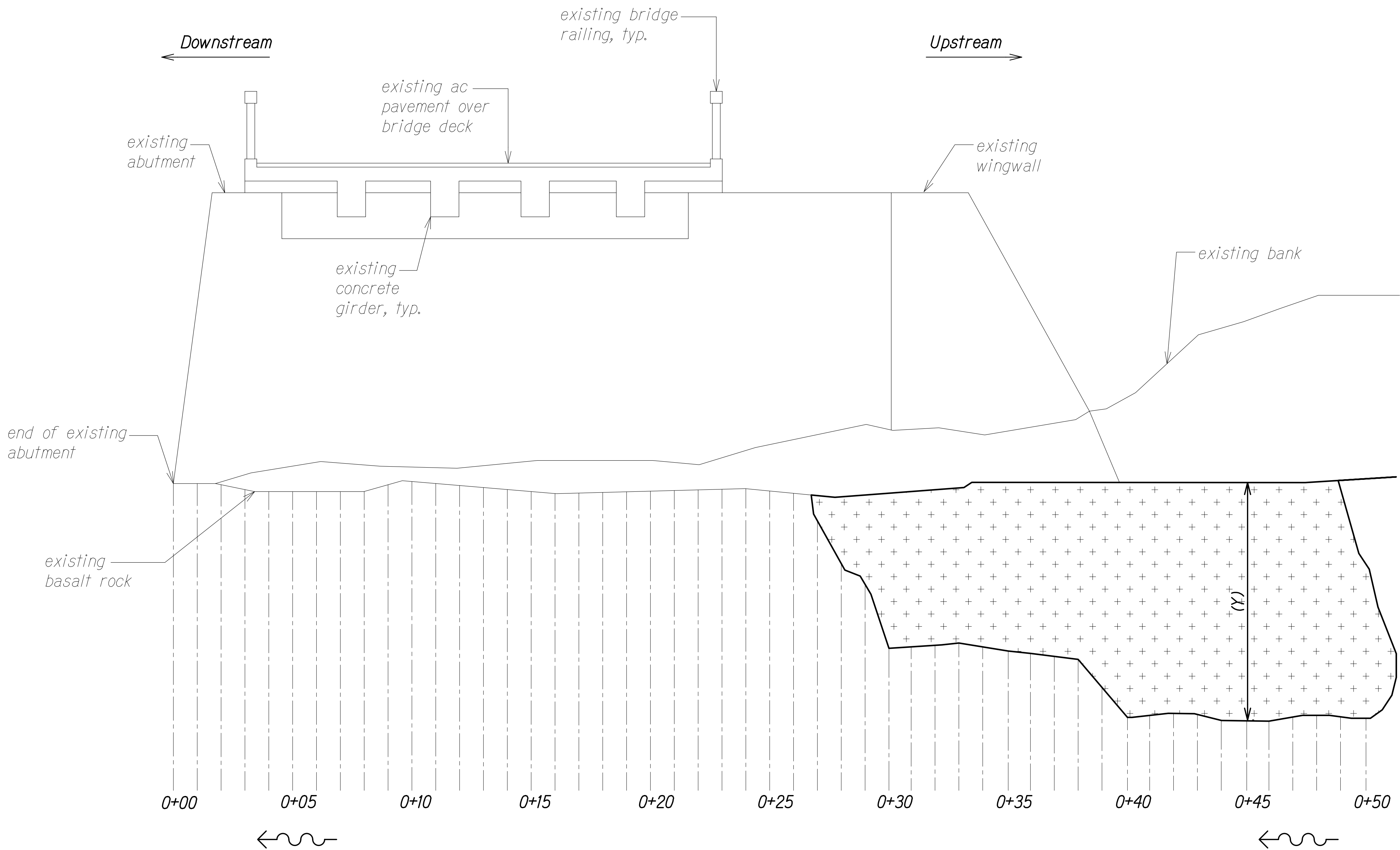
HANA ABUTMENT PLAN
KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

Scale: As Noted Date: Jan. 2023

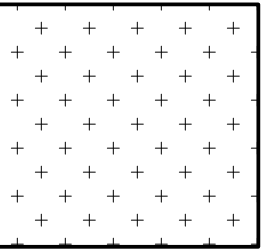
SHEET No. 57 OF 8 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(007)	2023	21	21



LEGEND:



Approximate scour location, based on measurement taken on March 15, 2022, to be filled in its entirety with concrete grout filled concrete fabric bags.

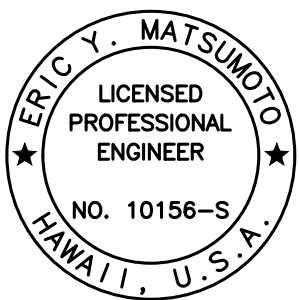
Station	(Y) High (Inches)	(X) Deep (Inches)
0+30	78	72
0+33	78	36
0+36	86	11
0+38	89	24
0+46	120	90

6

130

HANA ABUTMENT ELEVATION

Scale: 3/8" = 1'-0"



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Eric Y. Matsumoto
SIGNATURE
4-30-24
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HANA ABUTMENT ELEVATION

KAAIEA STREAM BRIDGE EMERGENCY REPAIRS
ROUTE 360, MILE POST 8.6
Fed. Aid Proj. No. ER-24(007)

Scale: As Noted
Date: Jan. 2023

SHEET No. S8 OF 8 SHEETS

AS-BUILT DRAWINGS

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GLOBAL SPECIALTY CONTRACTORS, INC.

[Signature]
Signature

5/14/24
Date

"AS-BUILT"