

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	11	34

NOTES:

- Contractor shall field verify existing utility pipe. Do not damage pipe or existing support brackets.

REFERENCE DRAWINGS:

- Bent Elevations, see sheet S-10 to S-13.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

Note:

Rebars - Grade 60, Typical.

#5 Horiz. Dowels at 16" Max., Drill & Epoxy Grout, Provide Slight Downward Tilt

6" Clr. Typ.

#5 Horiz. at 16" Max.

#5 Vert. Dowels at 16" Max., Drill & Epoxy Grout

Angled Position as Required to Drill Holes

SIDE ELEVATION

CL Makai Arch Rib (Above)

#5 Horiz. at 16" Max., 2 Bars Min.

#5 Horiz. Dowels w/ 1'-0" Bend, Typ.

6" Clr. Typ.

#5 Vert. Dowels at 16" Max., Drill & Epoxy Grout

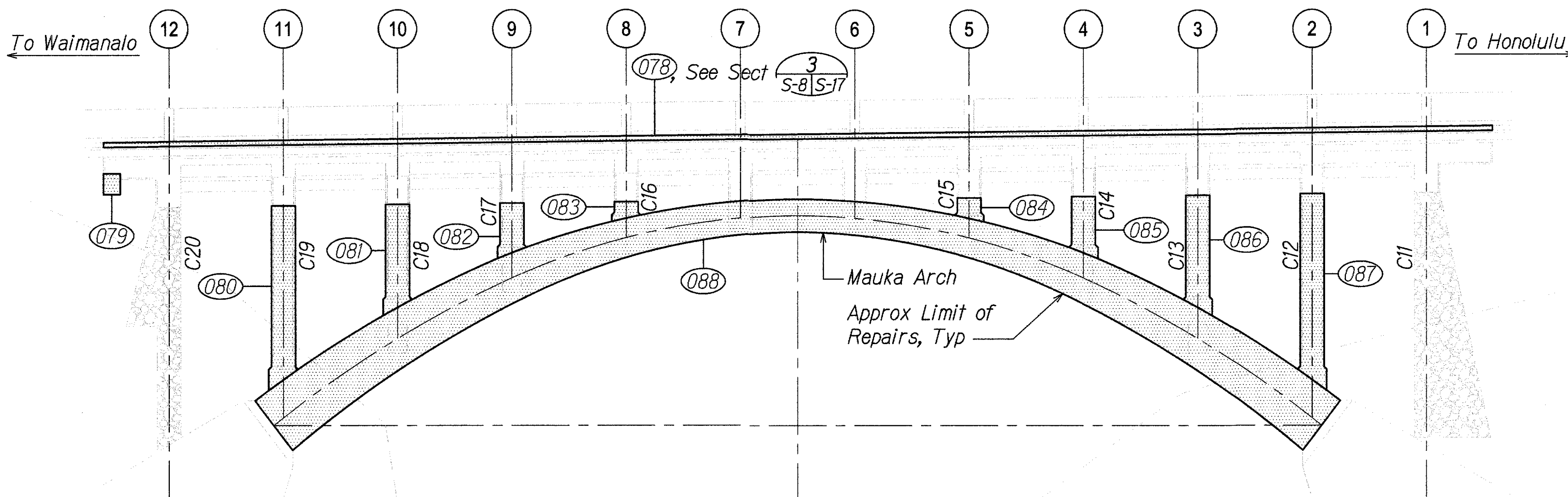
10" Typ.

FRONT ELEVATION

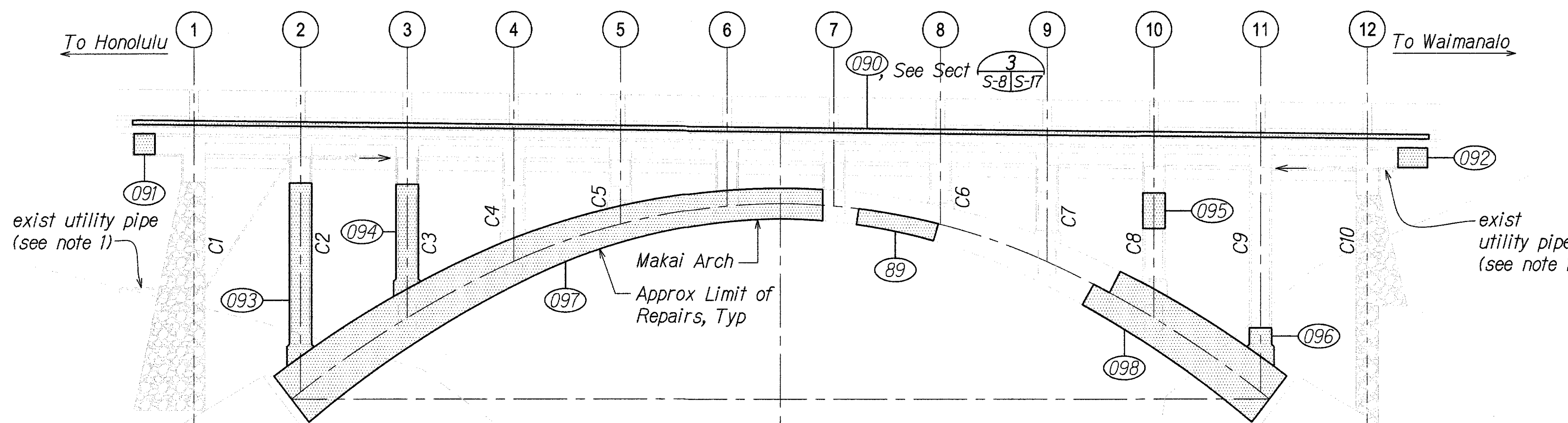
MAKAI ARCH RIB - HONOLULU FOUNDATION BLOCK REPAIR

1
S-8 | S-8

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



1 MAUKA ELEVATION
S-6, S-8 | S-8 Scale: 1/4" = 1'-0"

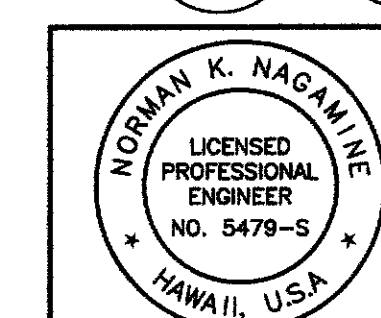
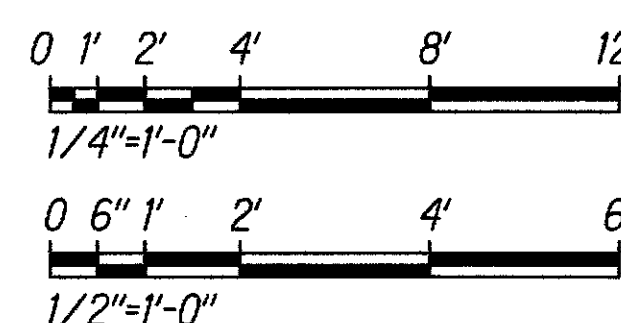


2 MAKAI ELEVATION
S-6, S-8 | S-8 Scale: 1/4" = 1'-0"

LEGEND

- Extent of Repair
- Repair Number, See Schedule on Sheet S-14

GRAPHIC SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

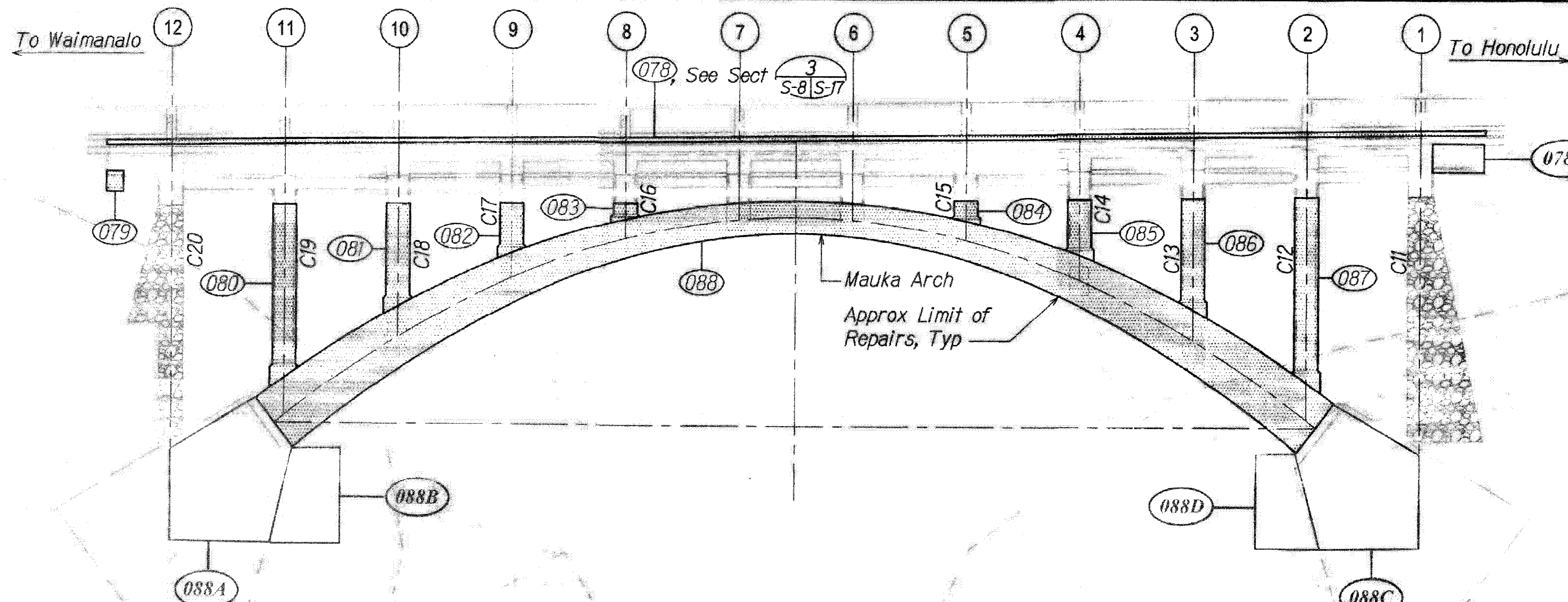
ELEVATIONS

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihiauakea Bridge
Project No. 72B-01-13M

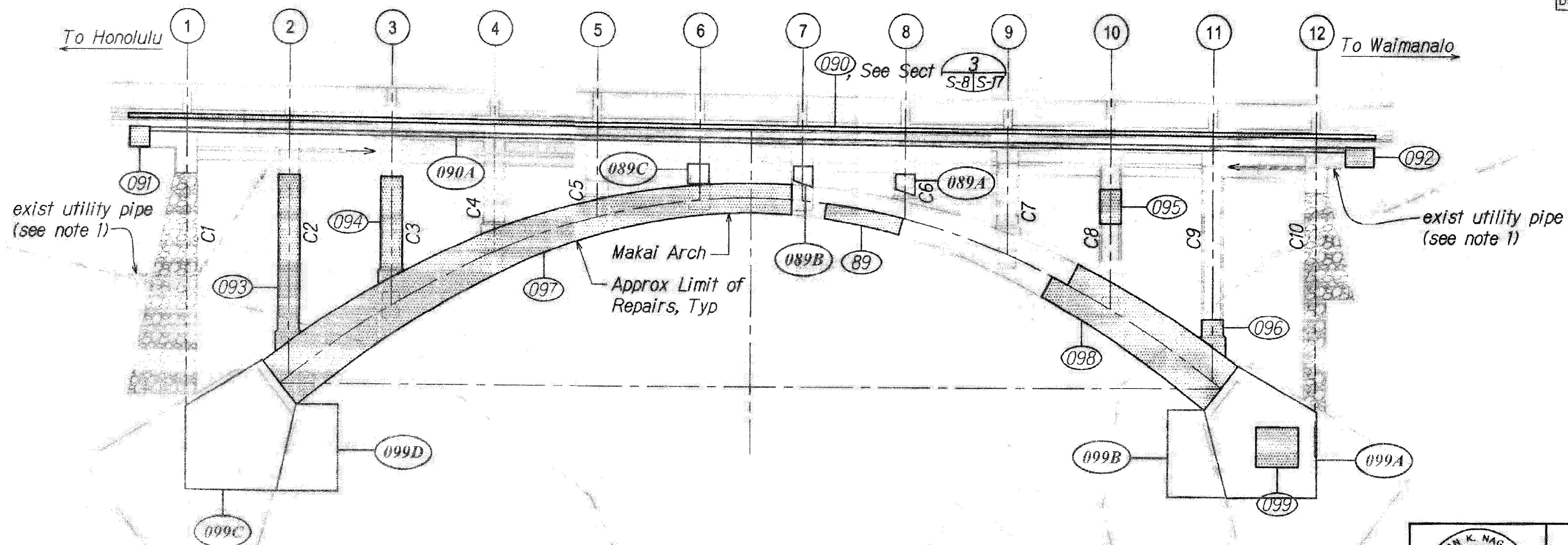
Scale: As Shown Date: Jan. 16, 2013

SHEET No. S-8 OF 26 SHEETS

"AS-BUILT"



1 MAUKA ELEVATION
S-6, S-8, S-8 Scale: 1/4" = 1'-0"



2 MAKAI ELEVATION
S-6, S-8, S-8 Scale: 1/4" = 1'-0"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	115-1	34

NOTES:

- Contractor shall field verify existing utility pipe. Do not damage pipe or existing support brackets.

REFERENCE DRAWINGS:

- Bent Elevations, see sheet S-10 to S-13.

AS-BUILT DRAWINGS

This certifies that the dimensions and details on these sheets reflect the Dimensions, details, and specifications As constructed in the field.

Certified
by: *Silvanus E. Eves*
Ideal Construction, Inc.

Signature: *Silvanus E. Eves*
Date:

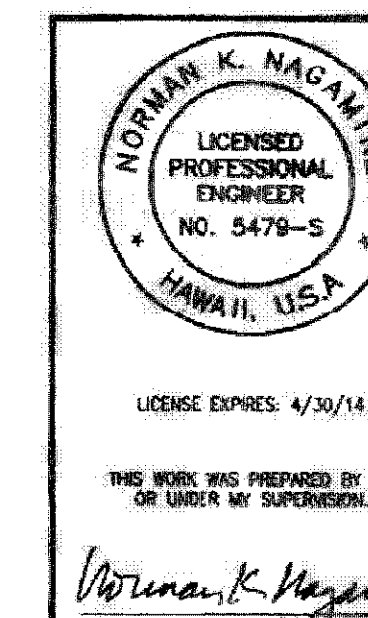
LEGEND

- Extent of Repair
- Repair Number, See Schedule on Sheet S-14

LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting

GRAPHIC SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELEVATIONS

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihilauea Bridge
Project No. 72B-01-13M

Scale: As Shown Date: Jan. 16, 2013

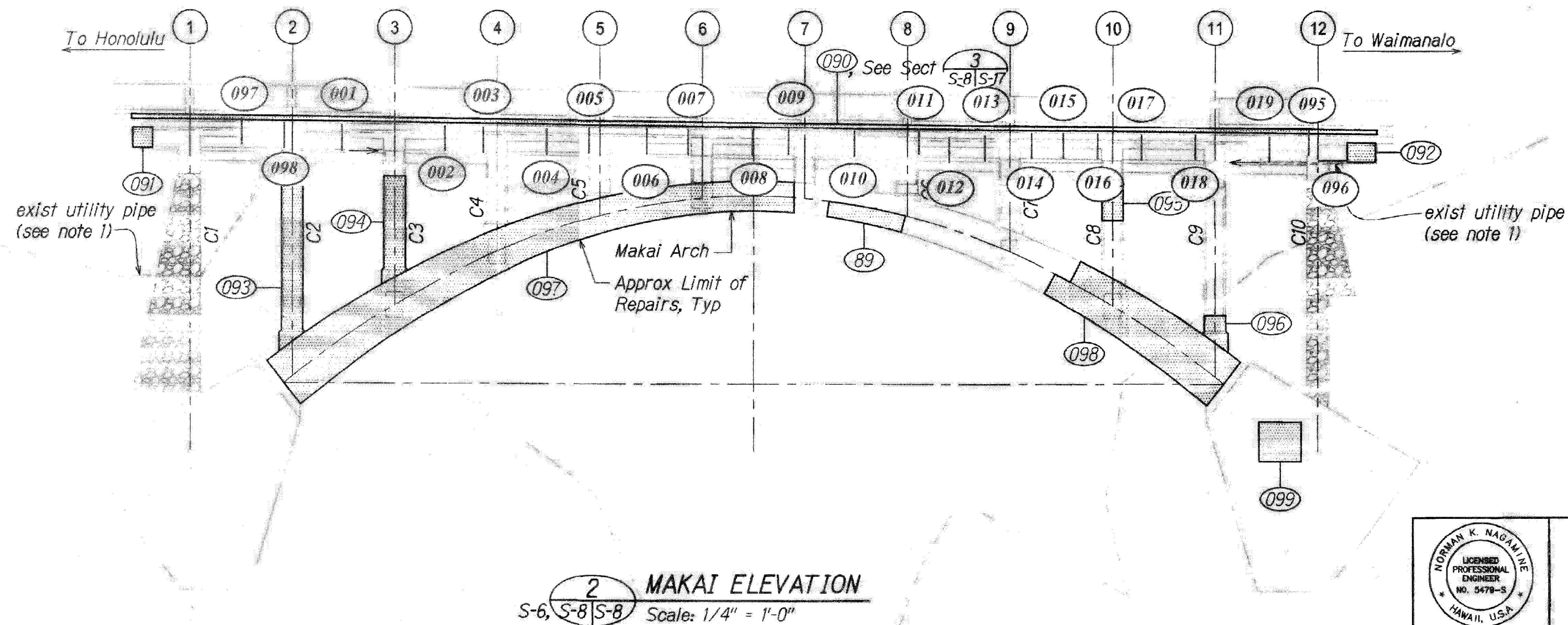
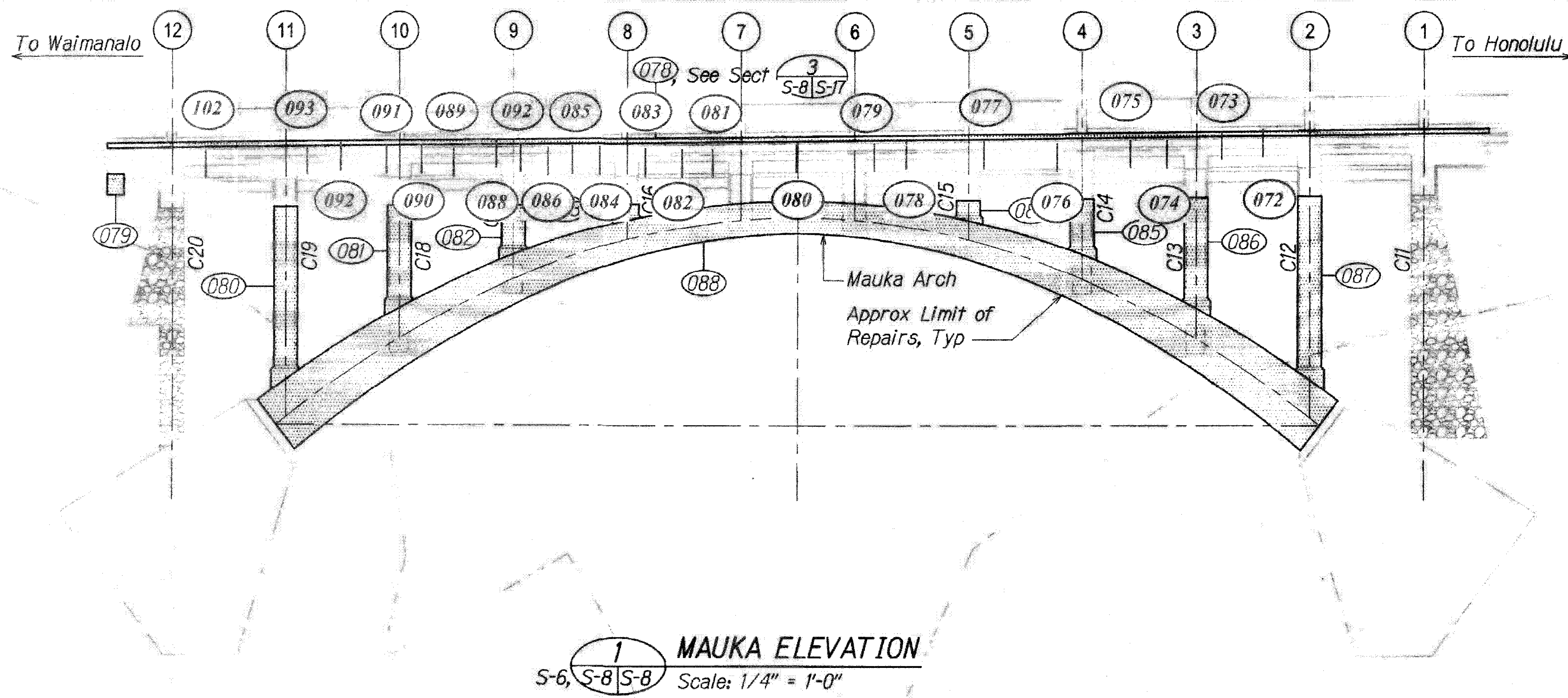
SHEET No. S-8 OF 26 SHEETS

"AS-BUILT"

S-8A

11 S-1

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTES	
NO.	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	11S-2	34

- NOTES:**
- Contractor shall field verify existing utility pipe. Do not damage pipe or existing support brackets.
- REFERENCE DRAWINGS:**
- Bent Elevations, see sheet S-10 to S-13.

AS-BUILT DRAWINGS

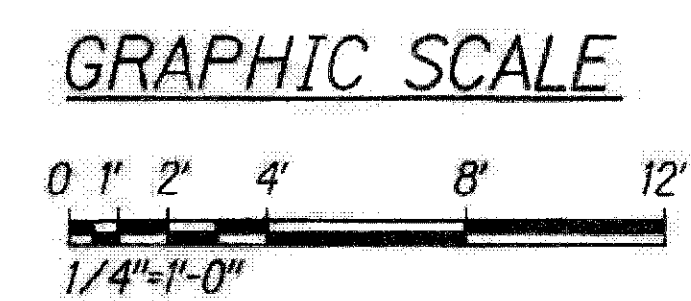
This certifies that the dimensions and details on these sheets reflect the dimensions, details, and specifications as constructed in the field.

Certified by: *Silvanus Eros*
Ideal Construction, Inc.

Signature: *[Signature]*
Date: _____

- LEGEND**
- Extent of Repair
 - Repair Number, See Schedule on Sheet S-14

- LEGEND FOR AS-BUILT POSTINGS**
- Squiggly line for as-built deletion
 - Double line for as-built deletion
 - Roadway Text for as-built posting



NORMAN K. NAGAMINE
LICENSED PROFESSIONAL ENGINEER
NO. 5479-S
HAWAII, U.S.A.

LICENSE EXPIRES: 4/30/14

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Norman K. Nagamine

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELEVATIONS

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihihilaauakea Bridge
Project No. 72B-01-13M

Scale: As Shown Date: Jan. 16, 2013

SHEET No. S-8 OF 26 SHEETS

SHEET NO.	DATE
PLAN	
DESIGNED BY	
CHECKED BY	
DATE	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	115-3	34

NOTES:

- Contractor shall field verify existing utility pipe. Do not damage pipe or existing support brackets.

REFERENCE DRAWINGS:

- Bent Elevations, see sheet S-10 to S-13.

AS-BUILT DRAWINGS

This certifies that the dimensions and details on these sheets reflect the Dimensions, details, and specifications As constructed in the field.

Certified by: *Shawn Egan*
Ideal Construction, Inc.

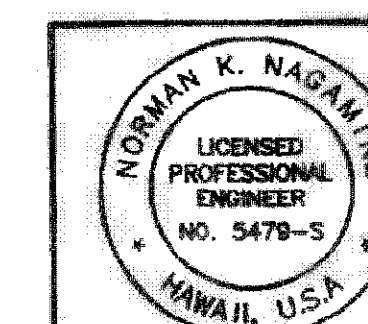
Signature: *Shawn Egan*

LEGEND

- Extent of Repair
- Repair Number, See Schedule on Sheet S-14

LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



LICENSE EXPIRES: 4/30/14
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Norman K. Nagamine

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELEVATIONS

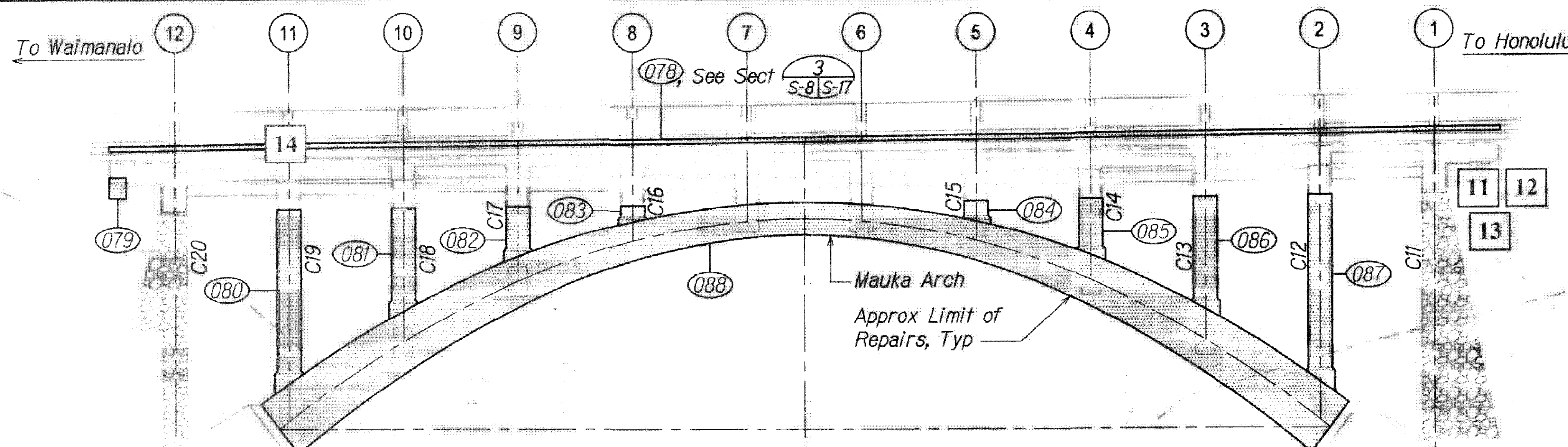
KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihilauea Bridge
Project No. 72B-01-13M

Scale: As Shown Date: Jan. 16, 2013

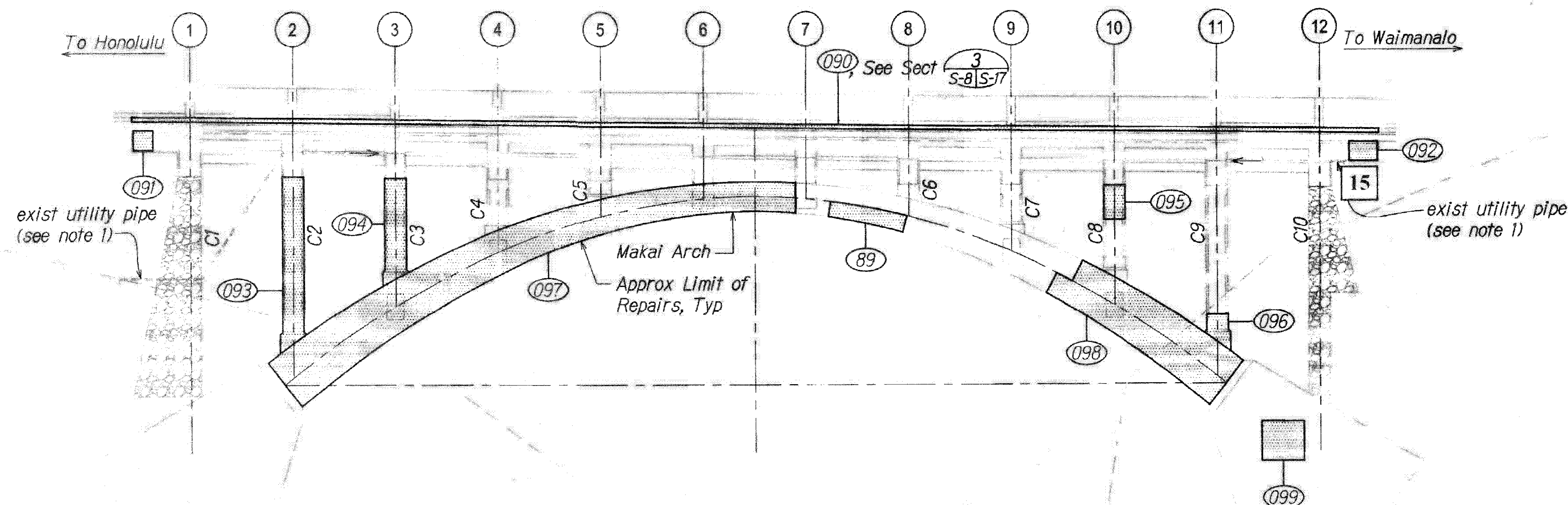
SHEET No. S-8 OF 26 SHEETS

S-8C

115-3

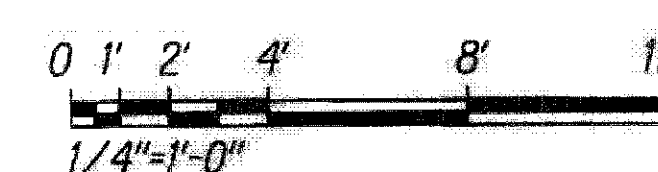


1 MAUKA ELEVATION
S-6, S-8 | S-8 Scale: 1/4" = 1'-0"



2 MAKAI ELEVATION
S-6, S-8 | S-8 Scale: 1/4" = 1'-0"

GRAPHIC SCALE



"AS-BUILT"

SURVEY PLANNED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTED BY	
NO.	