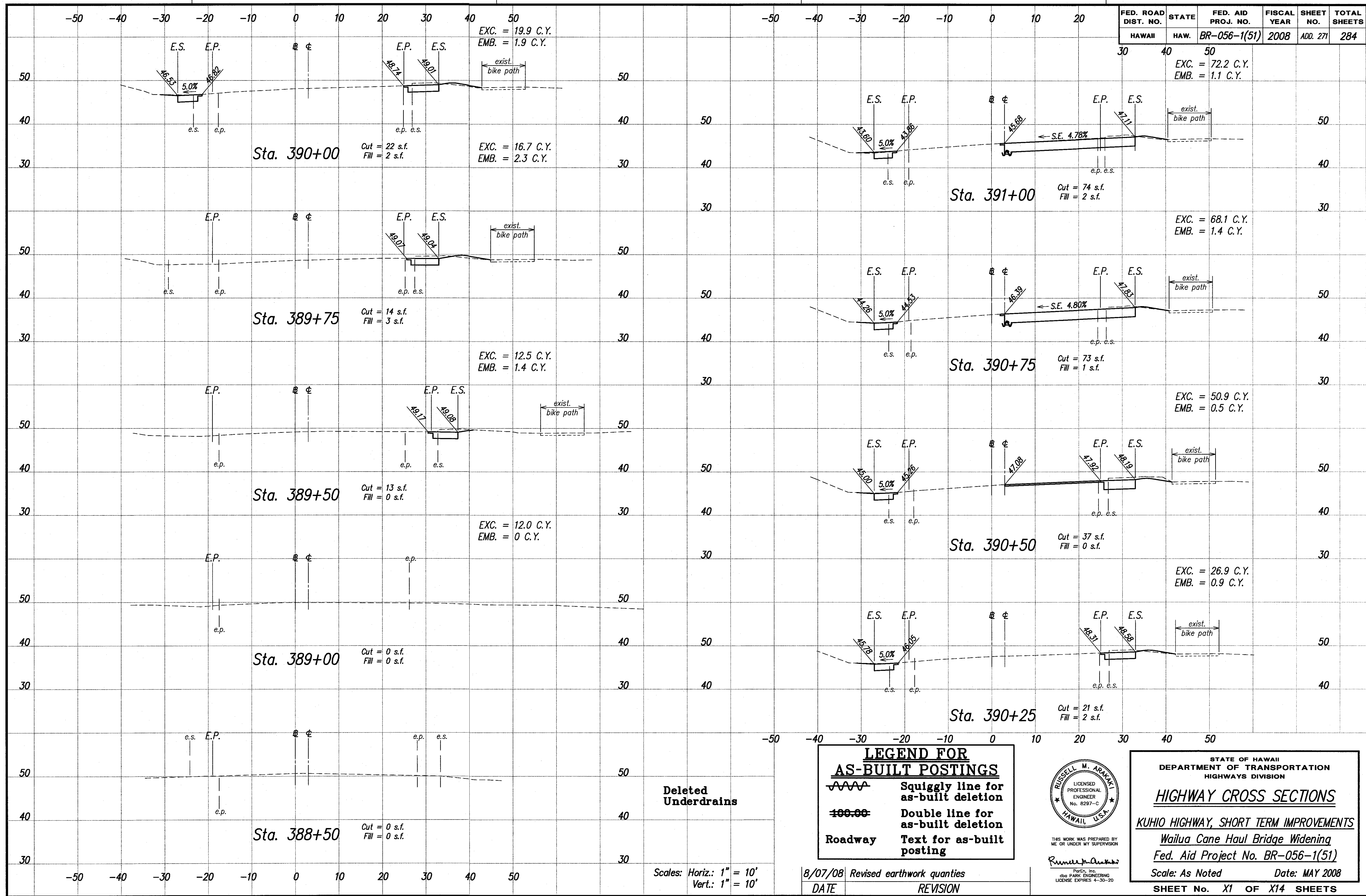


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 271	284



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

Deleted Underdrains

Scales: Horiz.: 1" = 10'
 Vert.: 1" = 10'

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting

RUSSELL M. ARAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 8297-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Russell M. Araki

PERKINS, INC.
 650 PARK ENGINEERING
 LICENSE EXPIRES 4-30-20

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Wailua Cane Haul Bridge Widening

Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

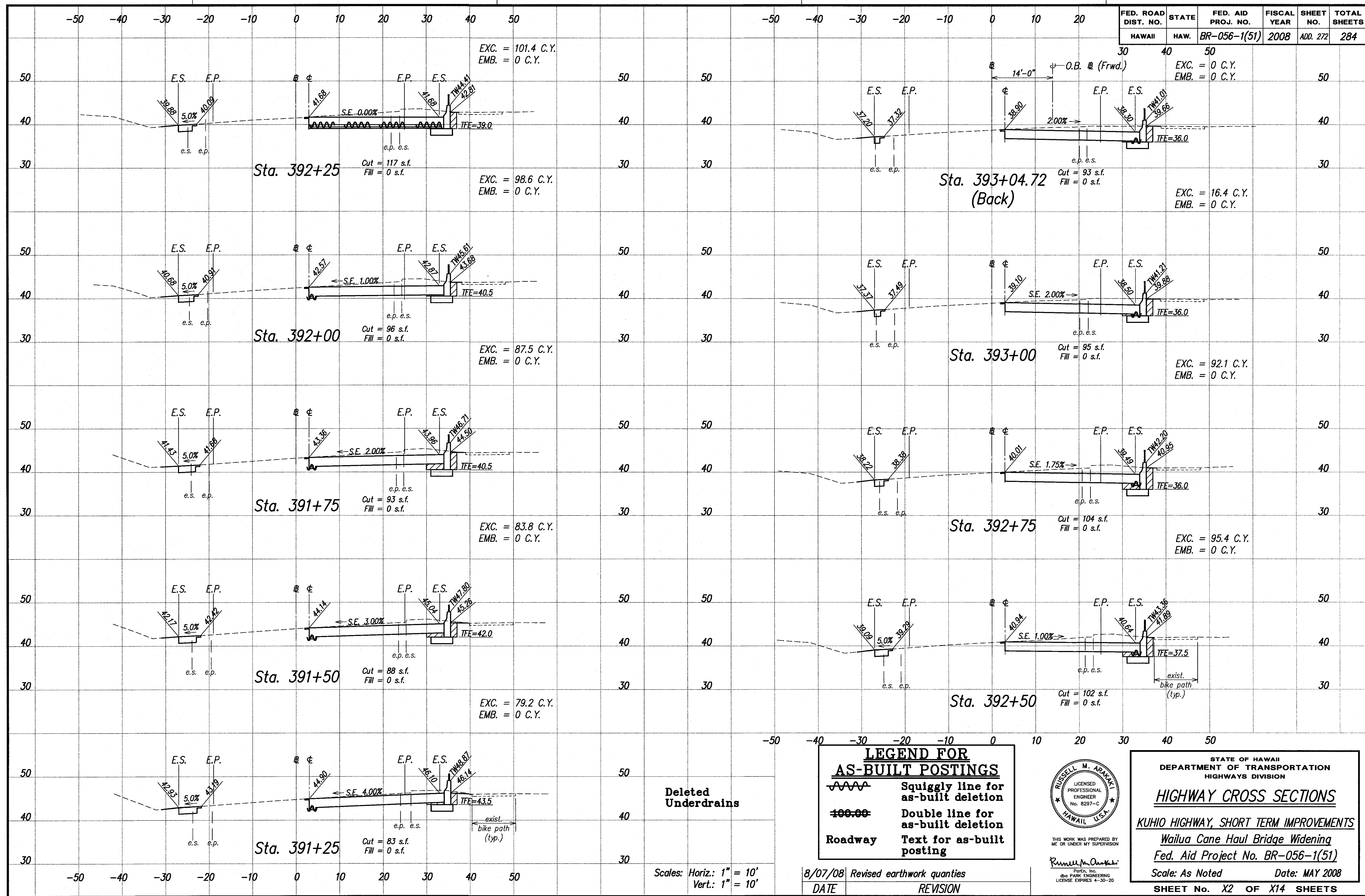
SHEET No. X1 OF X14 SHEETS

8/07/08 Revised earthwork quantities
 DATE REVISION

"AS-BUILT"

ADD. 271

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 272	284



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

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 RUSSELL M. ARAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 8287-C
 HAWAII, U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 Russel M. Araki
 ParEn, Inc.
 680 PARK ENGINEERING
 LICENSE EXPIRES 4-30-20

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
HIGHWAY CROSS SECTIONS
 KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS
 Wailua Cane Haul Bridge Widening
 Fed. Aid Project No. BR-056-1(51)
 Scale: As Noted Date: MAY 2008
 SHEET No. X2 OF X14 SHEETS

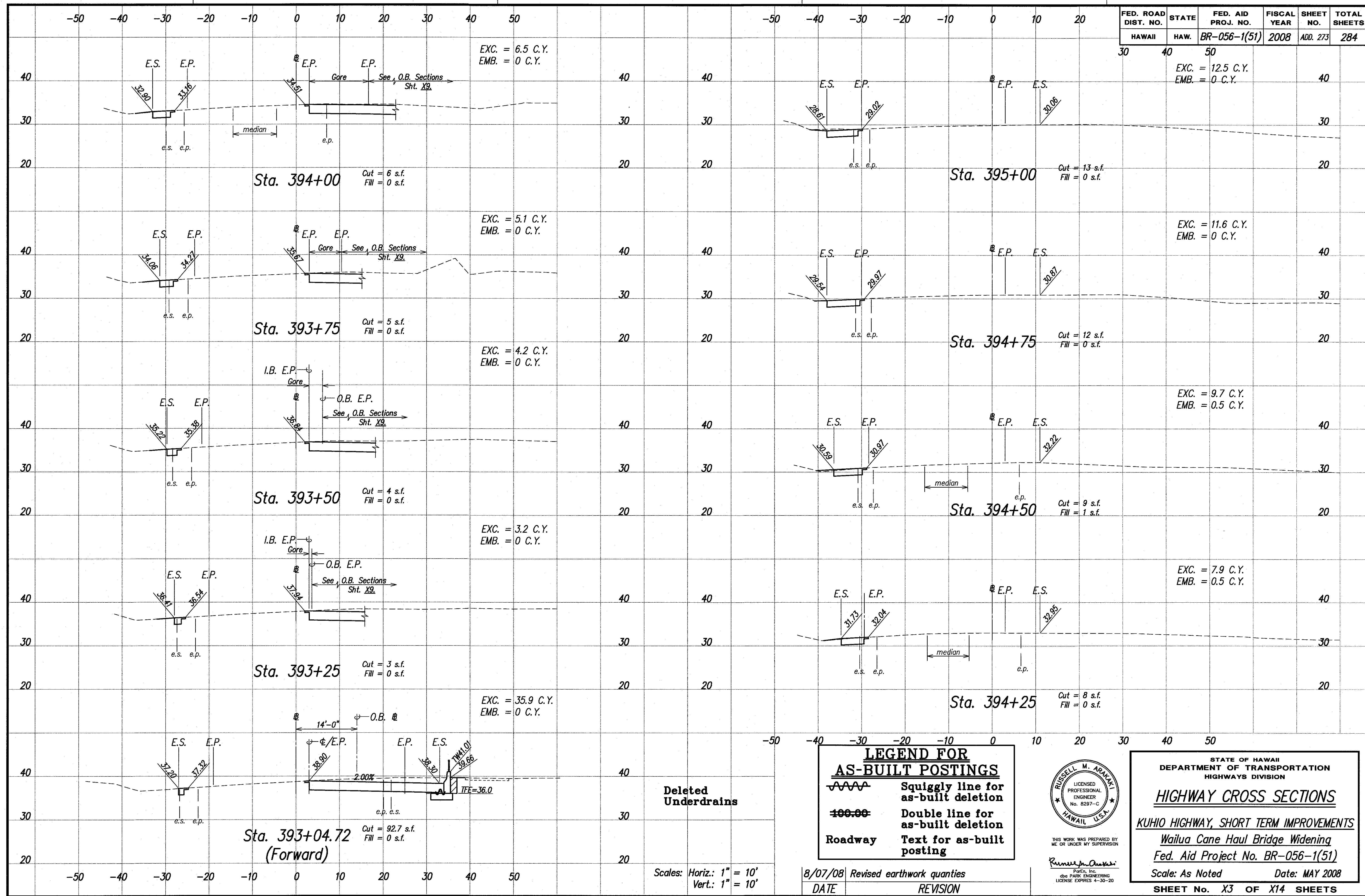
Deleted Underdrains
 Scales: Horiz.: 1" = 10'
 Vert.: 1" = 10'

8/07/08 Revised earthwork quantities
 DATE REVISION

"AS-BUILT"

ADD. 272

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 273	284



SURVEY PLOTTED BY	DATE
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Text for as-built posting

Roadway

RUSSELL M. ARAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 8287-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Russell M. Araki
 PAREN, INC.
 680 PARK ENGINEERING
 LICENSE EXPIRES 4-30-20

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Wailua Cane Haul Bridge Widening

Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

SHEET No. X3 OF X14 SHEETS

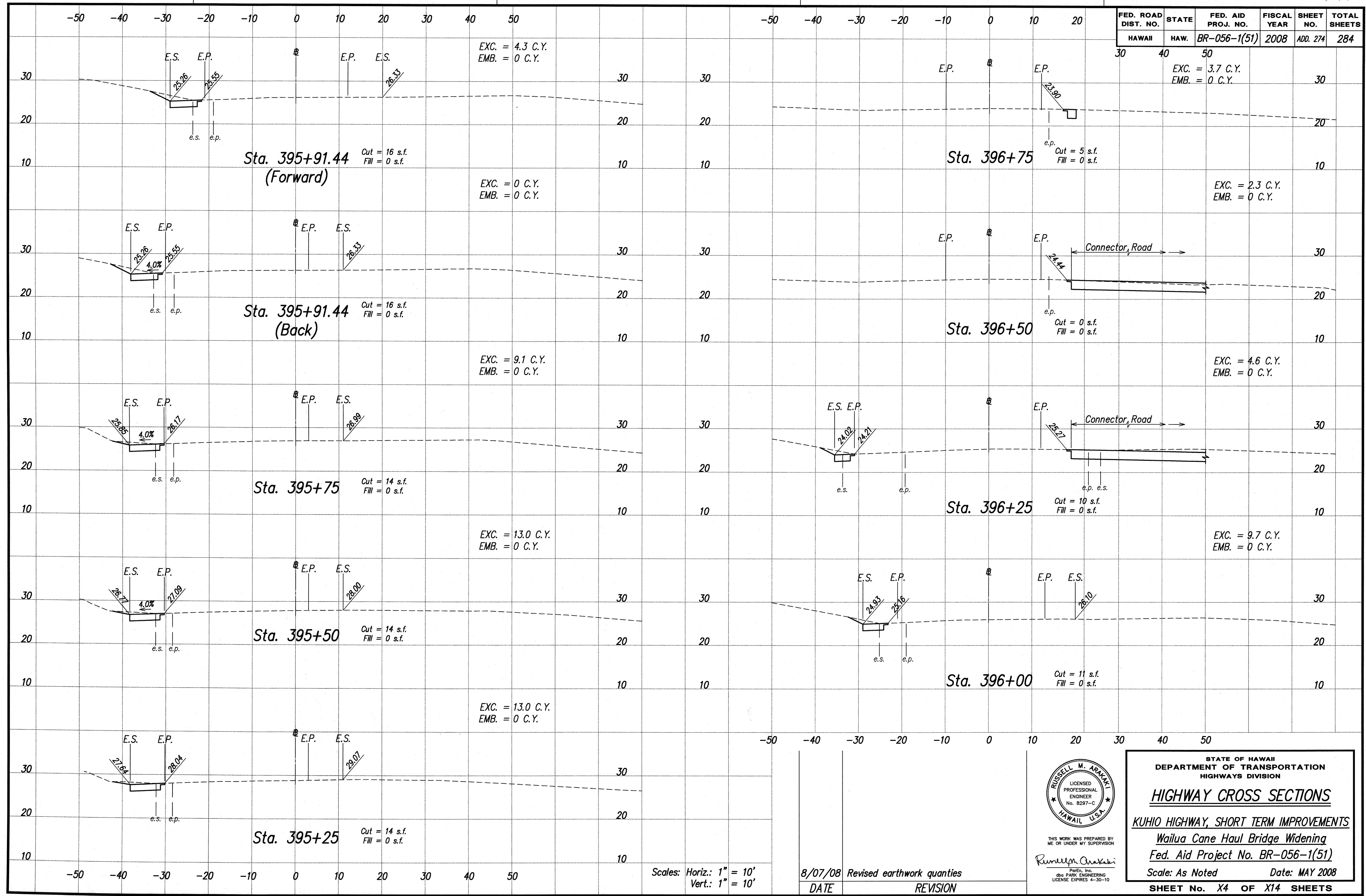
Scales: Horiz.: 1" = 10'
 Vert.: 1" = 10'

8/07/08	Revised earthwork quantities
DATE	REVISION

"AS-BUILT"

ADD. 273

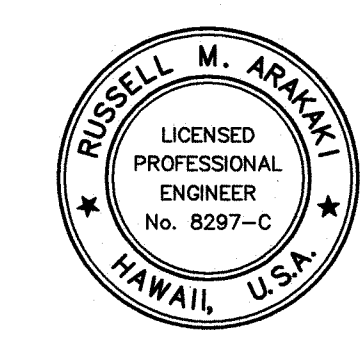
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 274	284



ORIGINAL PLAN
DATE
DESIGNED BY
CHECKED BY
NOTED BY
QUANTITIES BY

Scales: Horiz.: 1" = 10'
Vert.: 1" = 10'

8/07/08 Revised earthwork quantities
DATE REVISION



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Rumelma Chakaki
PAREN, Inc.
dbs PARK ENGINEERING
LICENSE EXPIRES 4-30-10

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

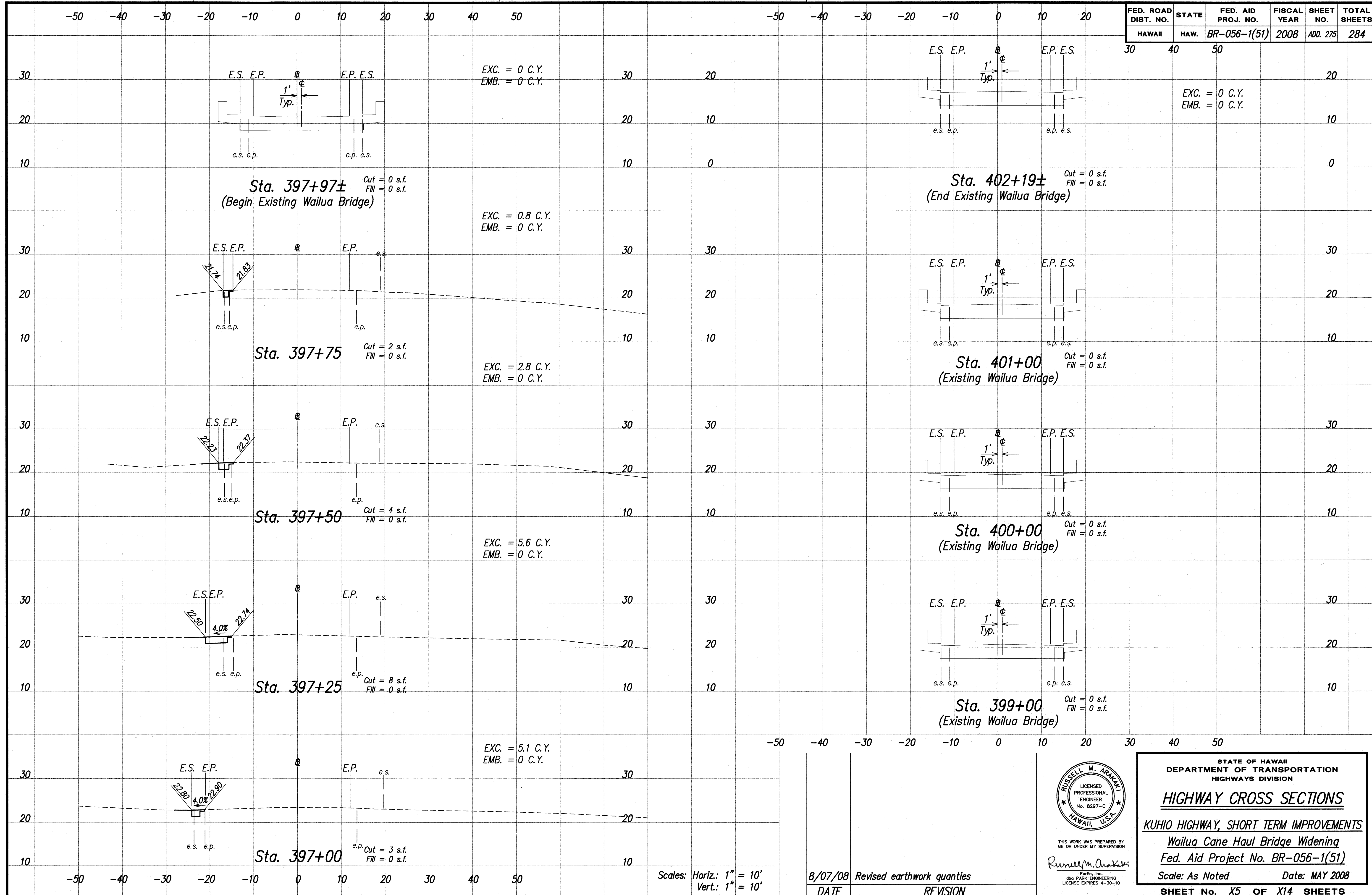
HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS
Wailua Cane Haul Bridge Widening
Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

SHEET No. X4 OF X14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 275	284



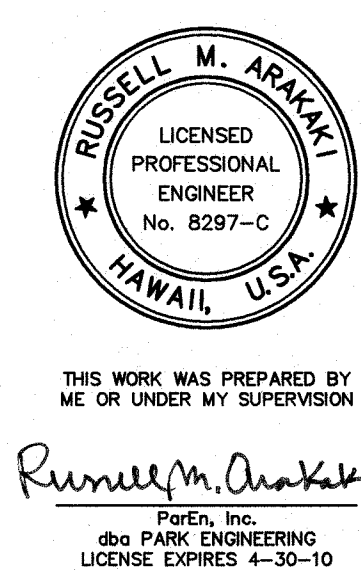
ORIGINAL PLAN
NOTE BOOK
No.

SURVEY PLOTTED BY
DATE

DRAWN BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

Scales: Horiz.: 1" = 10'
Vert.: 1" = 10'

8/07/08 Revised earthwork quantities
DATE REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

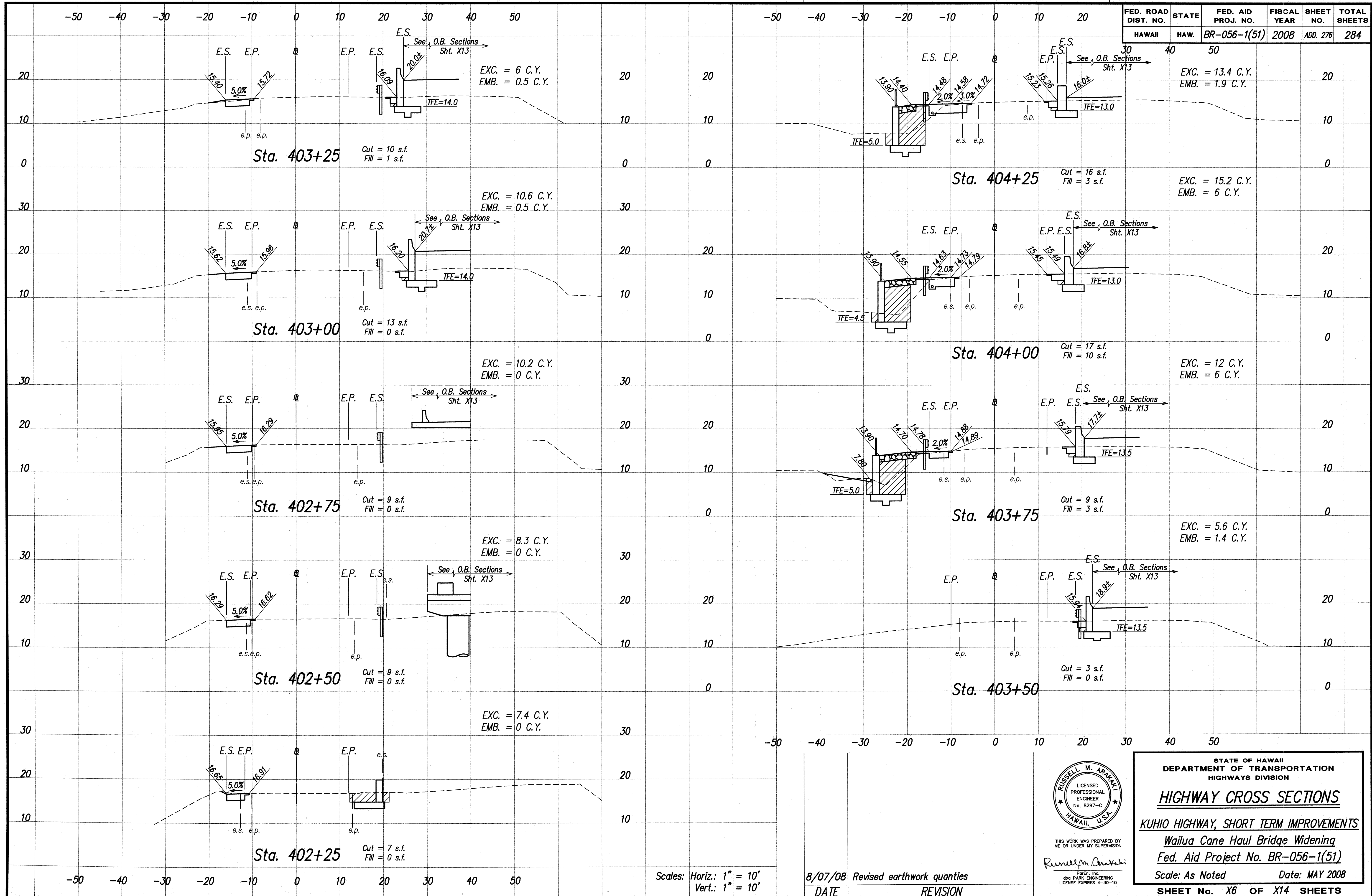
HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS
Wailua Cane Haul Bridge Widening
Fed. Aid Project No. BR-056-1(51)

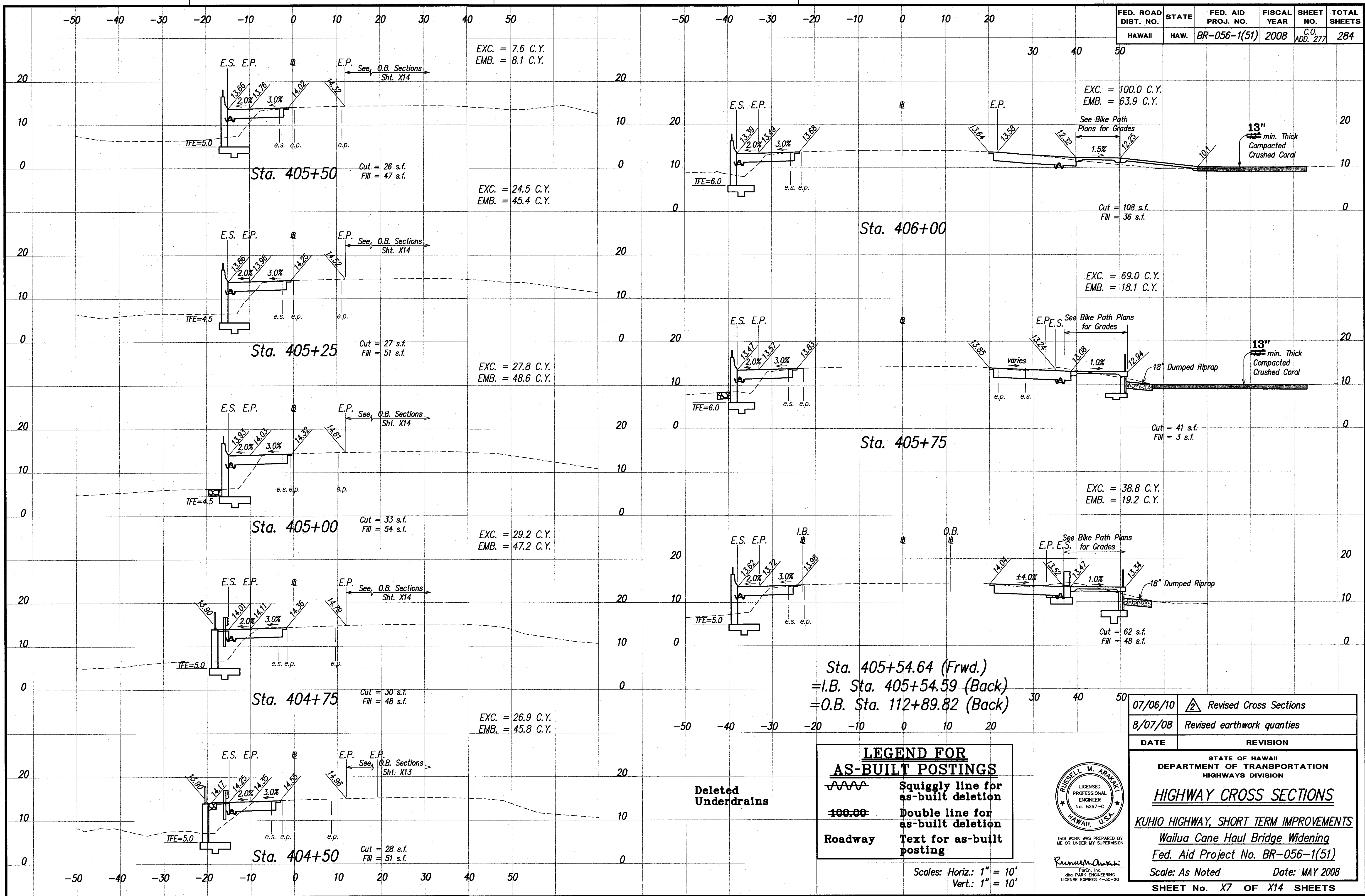
Scale: As Noted Date: MAY 2008

SHEET No. X5 OF X14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 276	284



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	C.O. ADD. 277	284



DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL FILED	_____

Deleted Underdrains

LEGEND FOR AS-BUILT POSTINGS

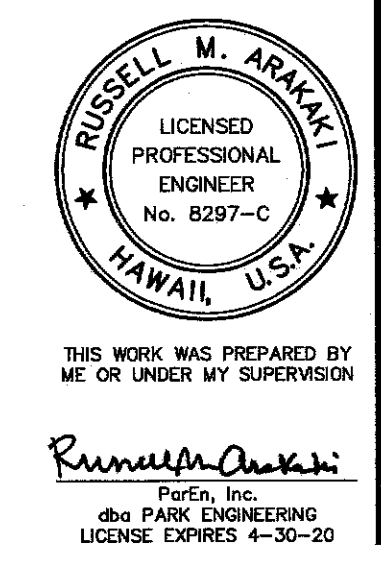
Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting

Scales: Horiz: 1" = 10'
Vert: 1" = 10'

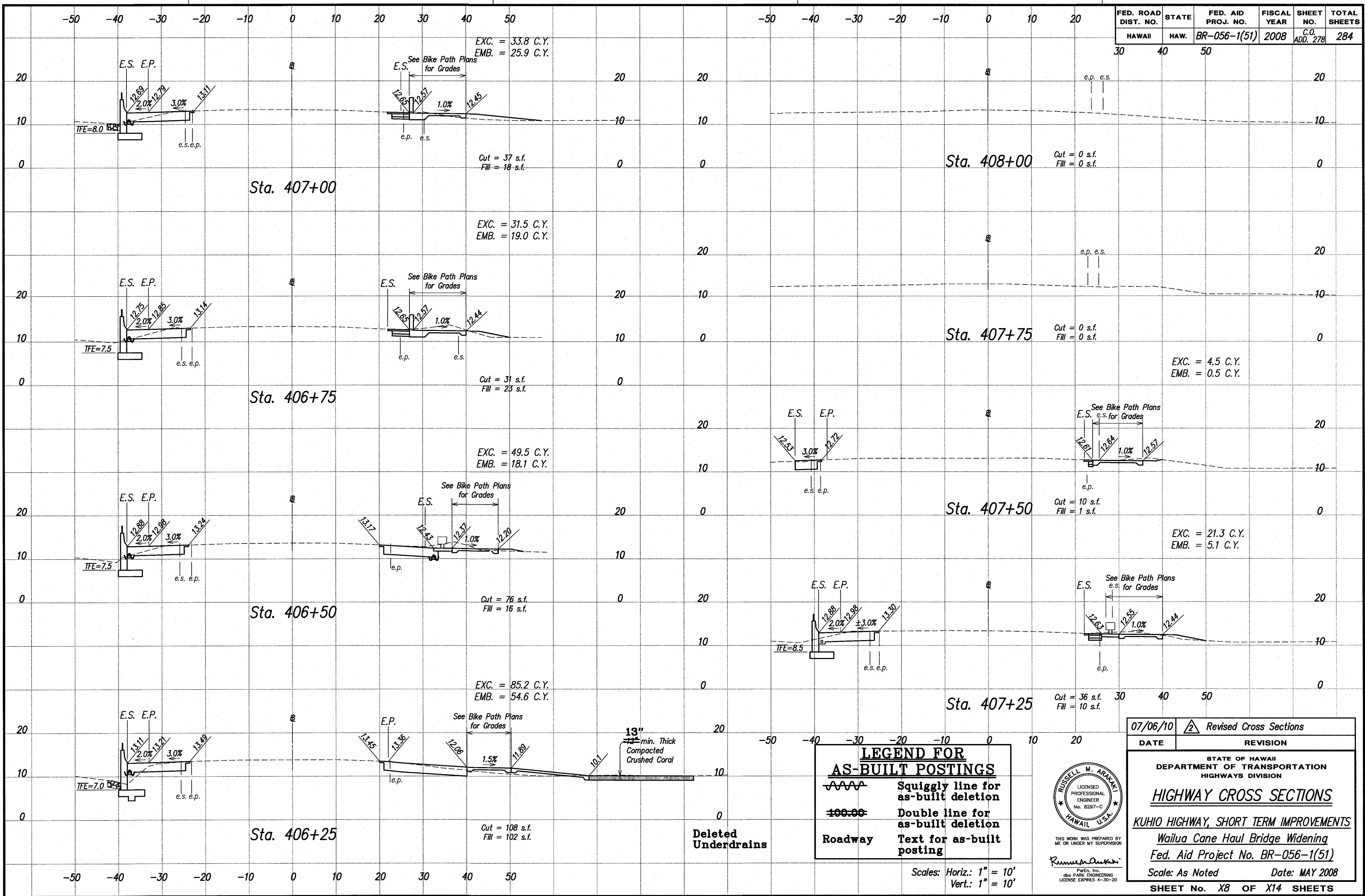


07/06/10	Revised Cross Sections
8/07/08	Revised earthwork quantities
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
HIGHWAY CROSS SECTIONS	
KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS	
Wailua Cane Haul Bridge Widening	
Fed. Aid Project No. BR-056-1(51)	
Scale: As Noted	Date: MAY 2008
SHEET No. X7 OF X14 SHEETS	

"AS-BUILT"

C.O. ADD. 277

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	C.O. ADD. 278	284



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

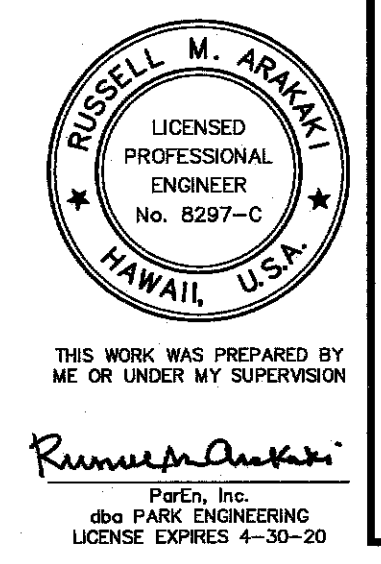
LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting



07/06/10 Revised Cross Sections

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Waialua Cane Haul Bridge Widening

Fed. Aid Project No. BR-056-1(51)

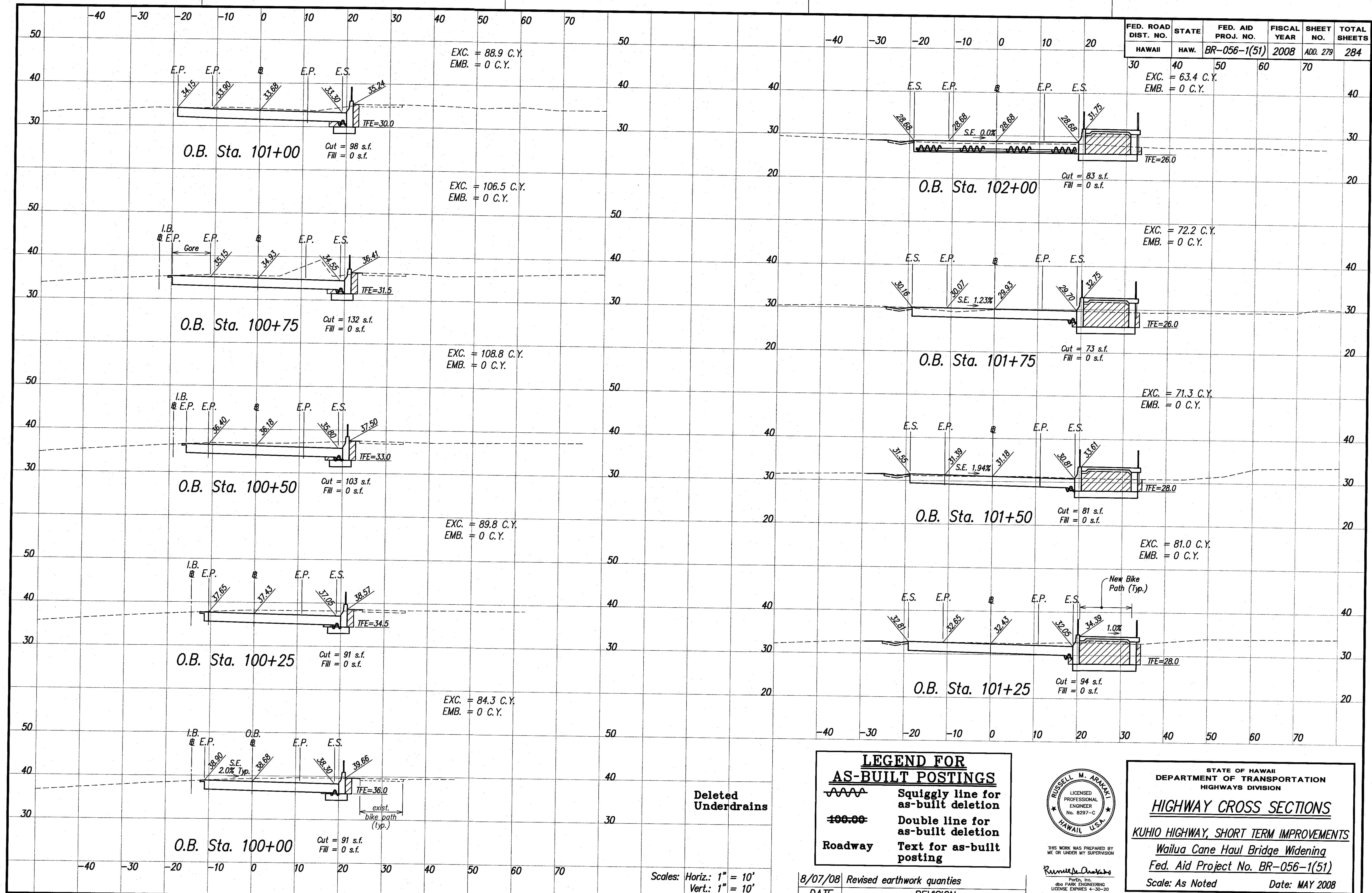
Scale: As Noted Date: MAY 2008

SHEET No. X8 OF X14 SHEETS

Scales: Horiz.: 1" = 10'
Vert.: 1" = 10'

"AS-BUILT"

C.O. ADD. 278



ORIGINAL PLAN
NOTE BOOK
No.

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

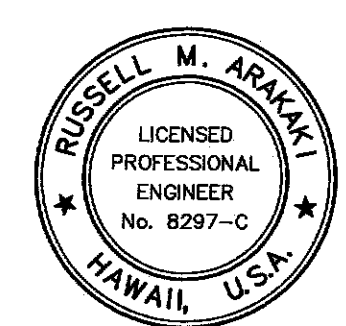
LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Text for as-built posting

Roadway



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Wailua Cane Haul Bridge Widening

Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

SHEET No. X9 OF X14 SHEETS

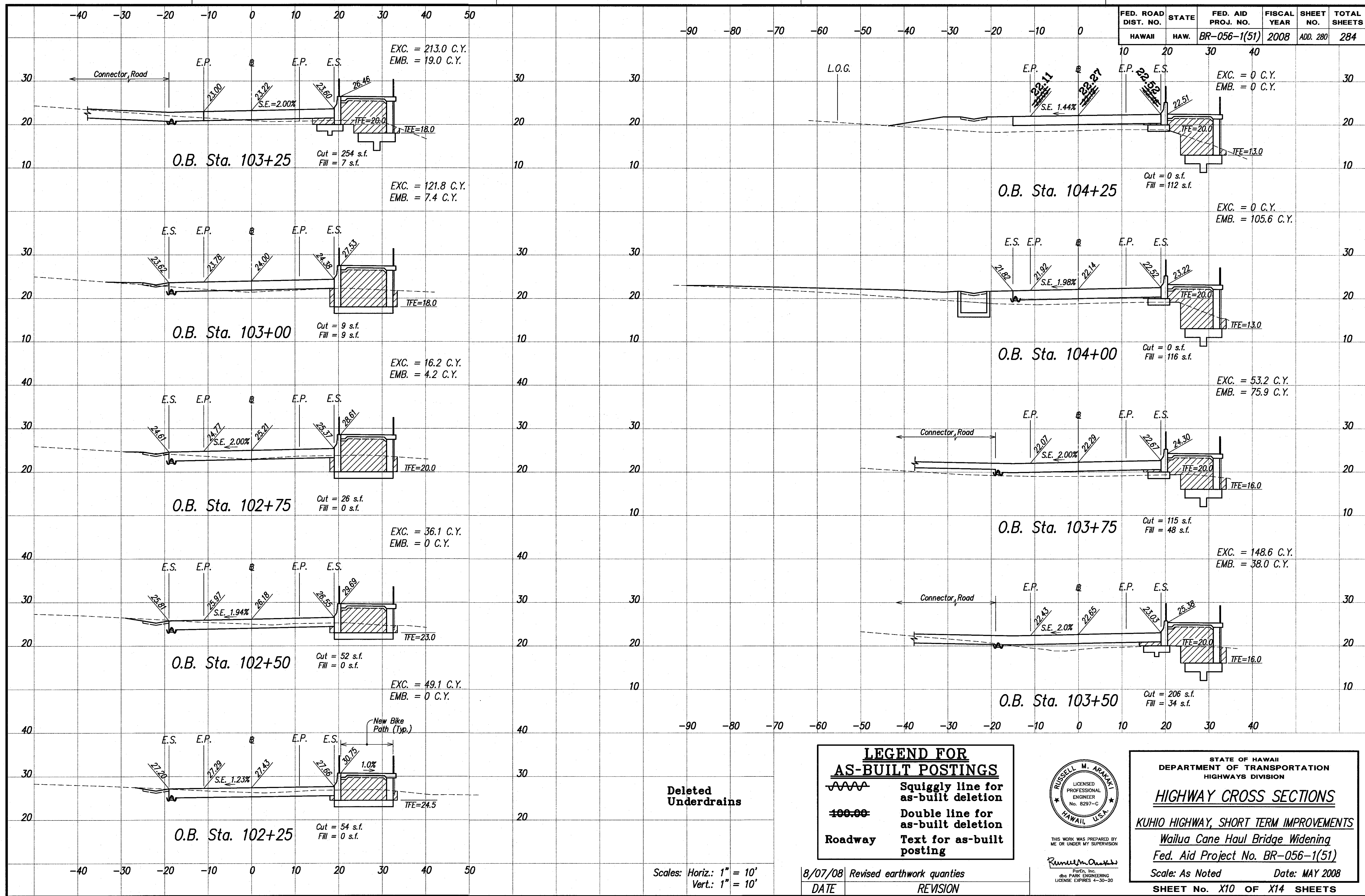
Scales: Horiz.: 1" = 10'
Vert.: 1" = 10'

8/07/08 Revised earthwork quantities
DATE REVISION

"AS-BUILT"

ADD. 279

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	ADD. 280	284



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

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting

RUSSELL M. ARAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 8297-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Russell M. Araki

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Wailua Cane Haul Bridge Widening

Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

SHEET No. X10 OF X14 SHEETS

Deleted Underdrains

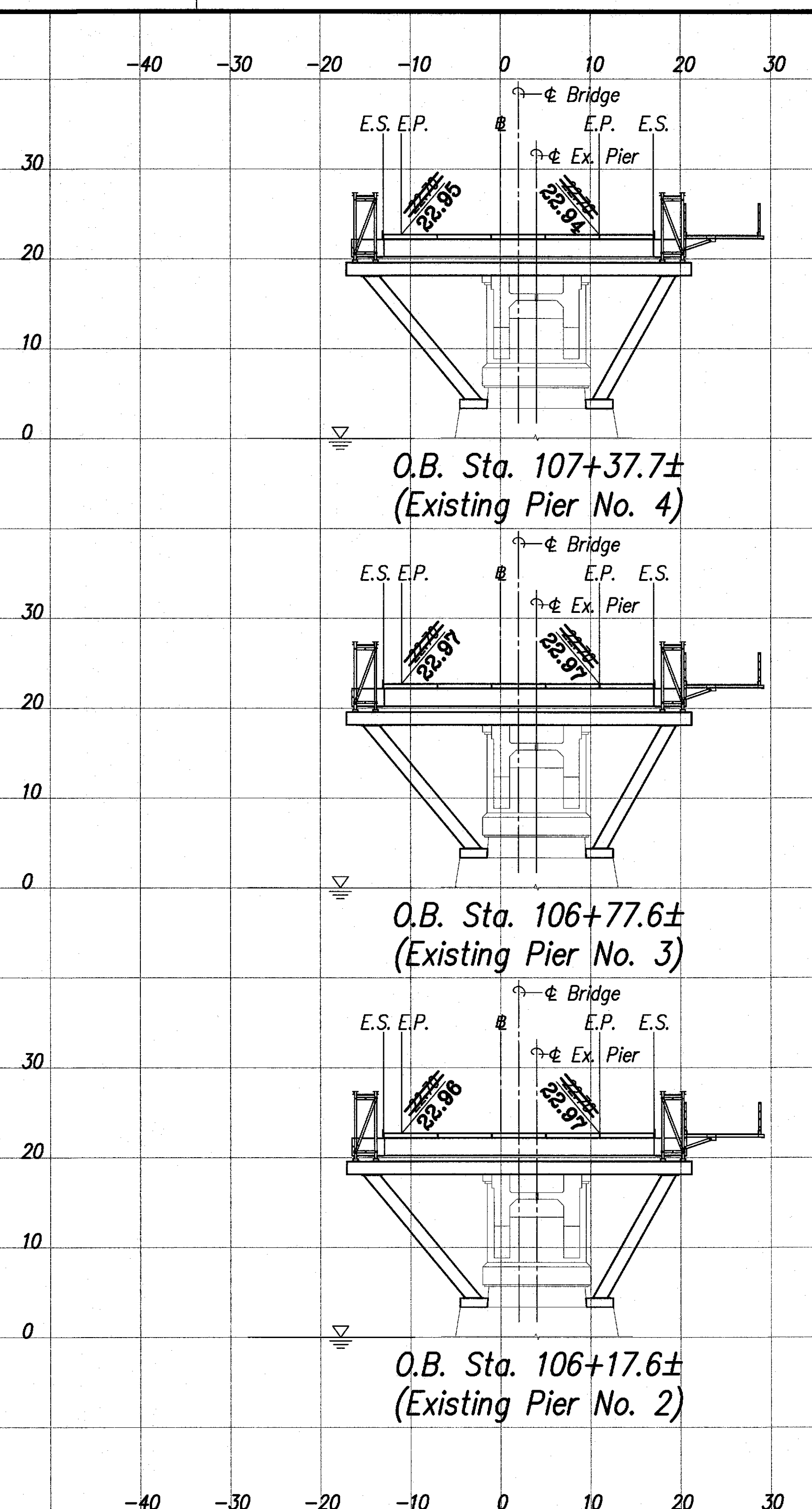
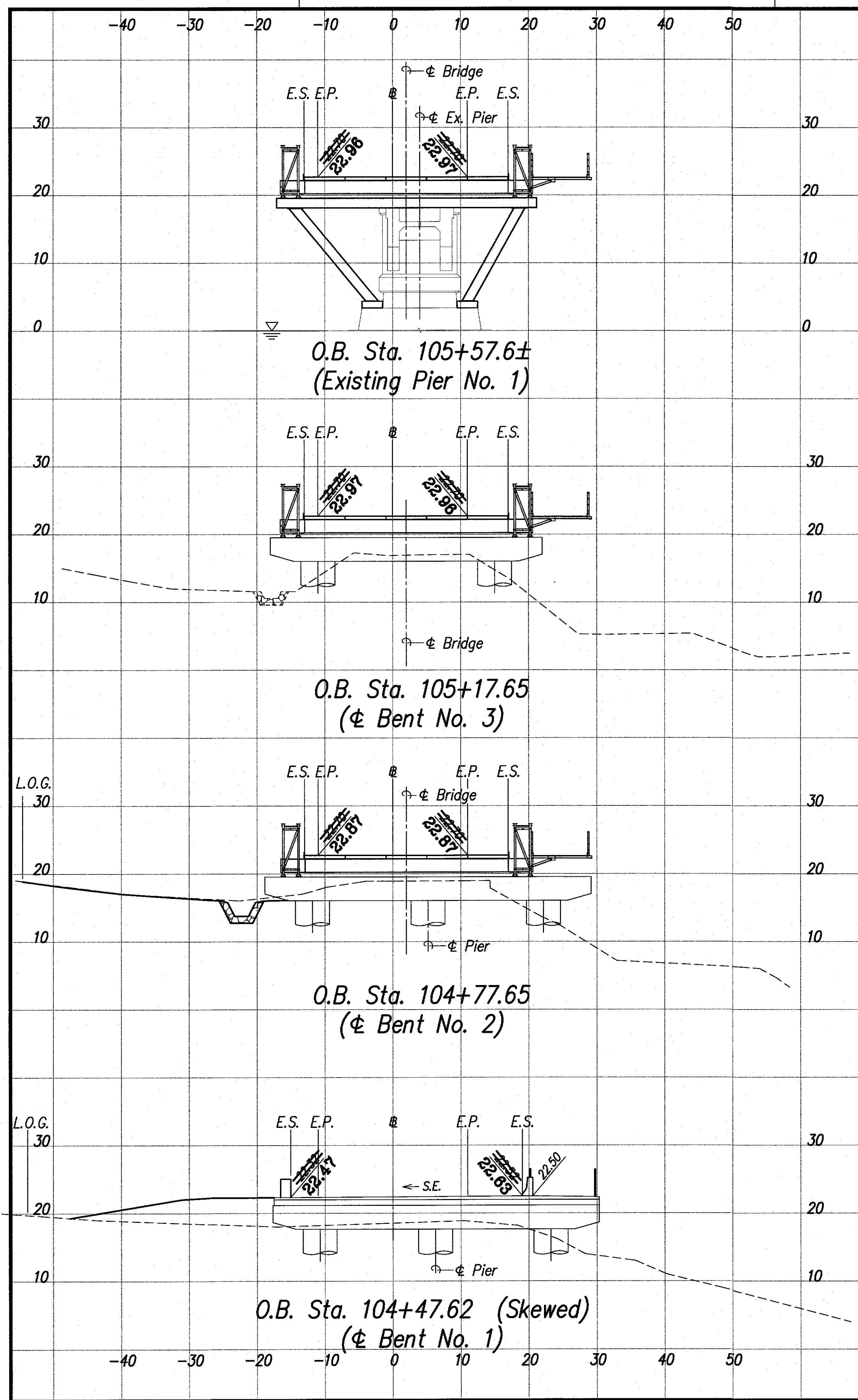
Scales: Horiz.: 1" = 10'
 Vert.: 1" = 10'

8/07/08	Revised earthwork quantities
DATE	REVISION

"AS-BUILT"

ADD. 280

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-056-1(51)	2008	281	284
40	50	60	70	80	



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion

~~100.00~~ Double line for as-built deletion

Roadway Text for as-built posting

RUSSELL M. ARAKI  
LICENSED PROFESSIONAL ENGINEER  
No. 8297-C  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Russell M. Araki  
RPA, Inc.  
880 PARK ENGINEERING  
LICENSE EXPIRES 4-30-20

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**HIGHWAY CROSS SECTIONS**

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS  
Wailua Cane Haul Bridge Widening  
Fed. Aid Project No. BR-056-1(51)

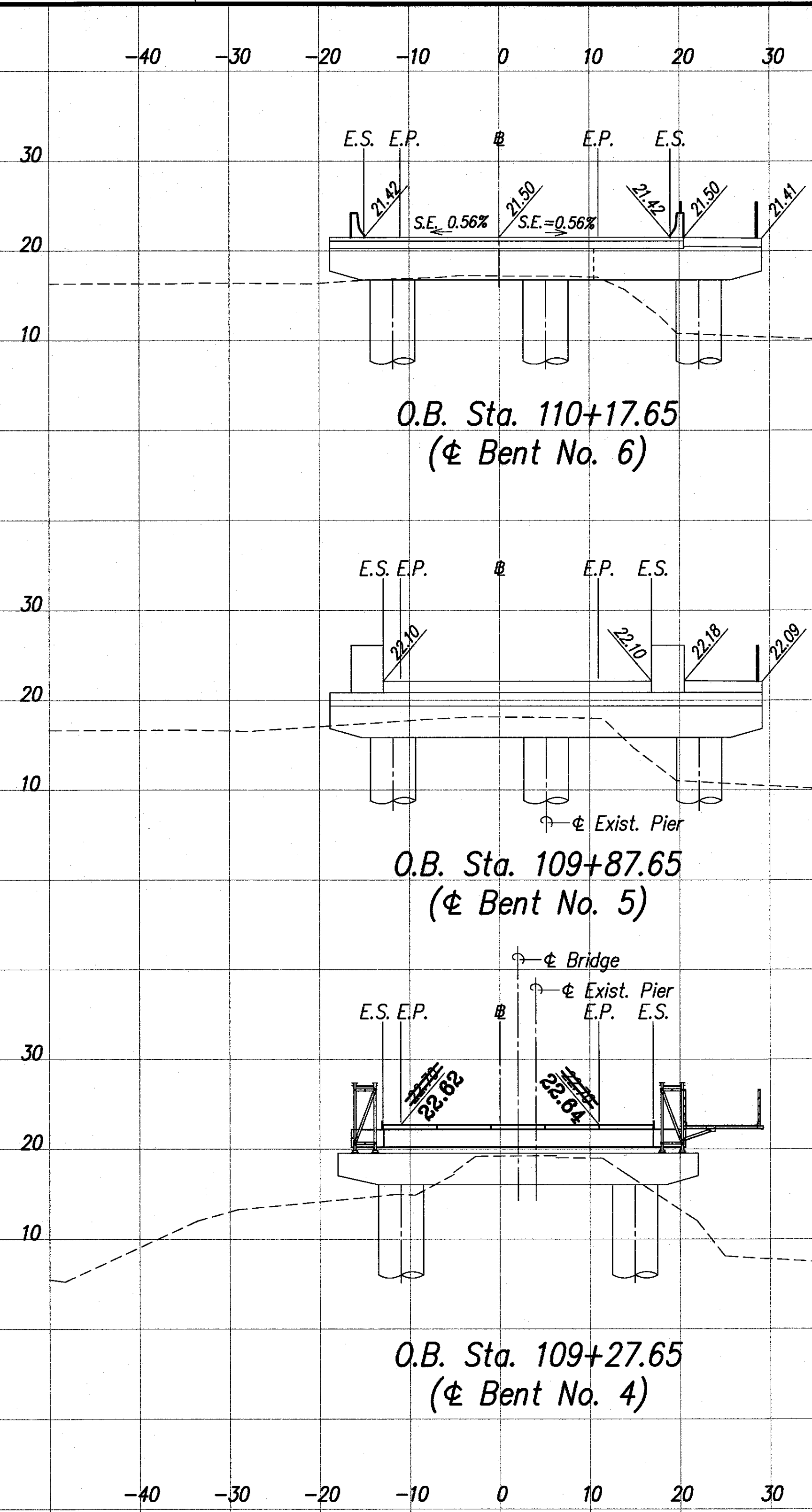
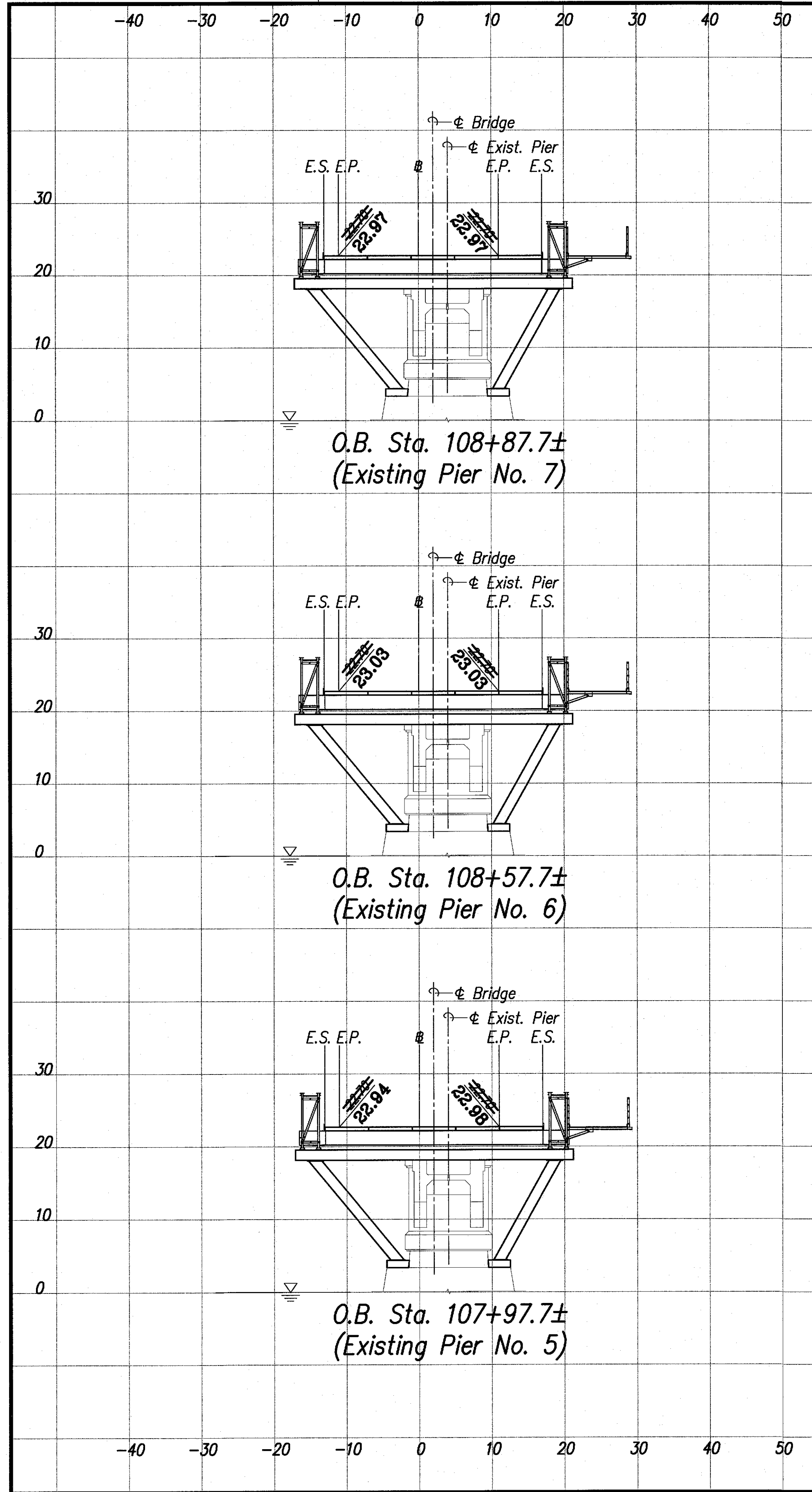
Scale: As Noted Date: MAY 2008

SHEET No. X11 OF X14 SHEETS

"AS-BUILT"



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | BR-056-1(51)       | 2008        | 282       | 284          |
| 40                  | 50    | 60                 | 70          | 80        |              |



|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| NOTED BY          | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| No.               | _____ |

**LEGEND FOR AS-BUILT POSTINGS**

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~~100.00~~ Double line for as-built deletion

Roadway Text for as-built posting

RUSSELL M. ARAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 8297-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Russell M. Araki
 RPA, Inc.
 480 PARK ENGINEERING
 LICENSE EXPIRES 4-30-20

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Wailua Cane Haul Bridge Widening

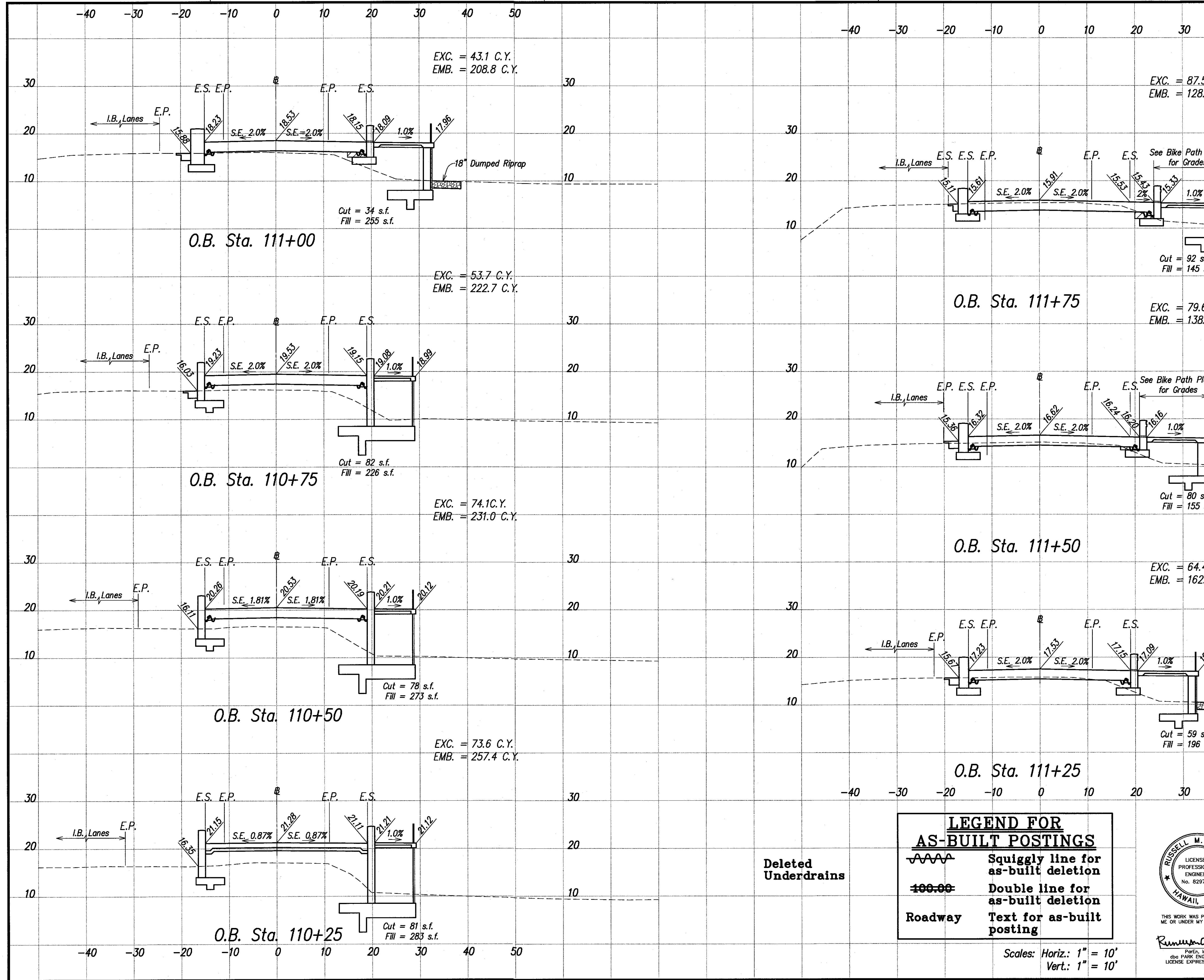
Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

SHEET No. X12 OF X14 SHEETS

Scales: Horiz.: 1" = 10'
 Vert.: 1" = 10'

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|---------------|--------------|
| HAWAII | HAW. | BR-056-1(51) | 2008 | C.O. ADD. 283 | 284 |



| | |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY | |
| DESIGNED BY | |
| NOTED BY | |
| CHECKED BY | |

Deleted Underdrains

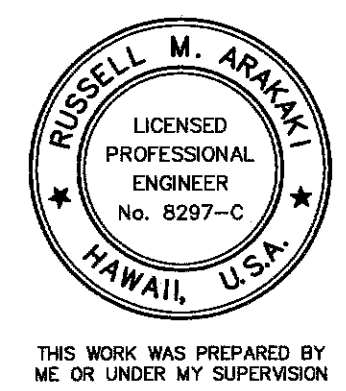
LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway

Text for as-built posting



| | | |
|----------|---|------------------------------|
| 07/06/10 | 2 | Revised Cross Sections |
| 08/07/08 | | Revised earthwork quantities |

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY CROSS SECTIONS

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS

Wailua Cane Haul Bridge Widening

Fed. Aid Project No. BR-056-1(51)

Scale: As Noted Date: MAY 2008

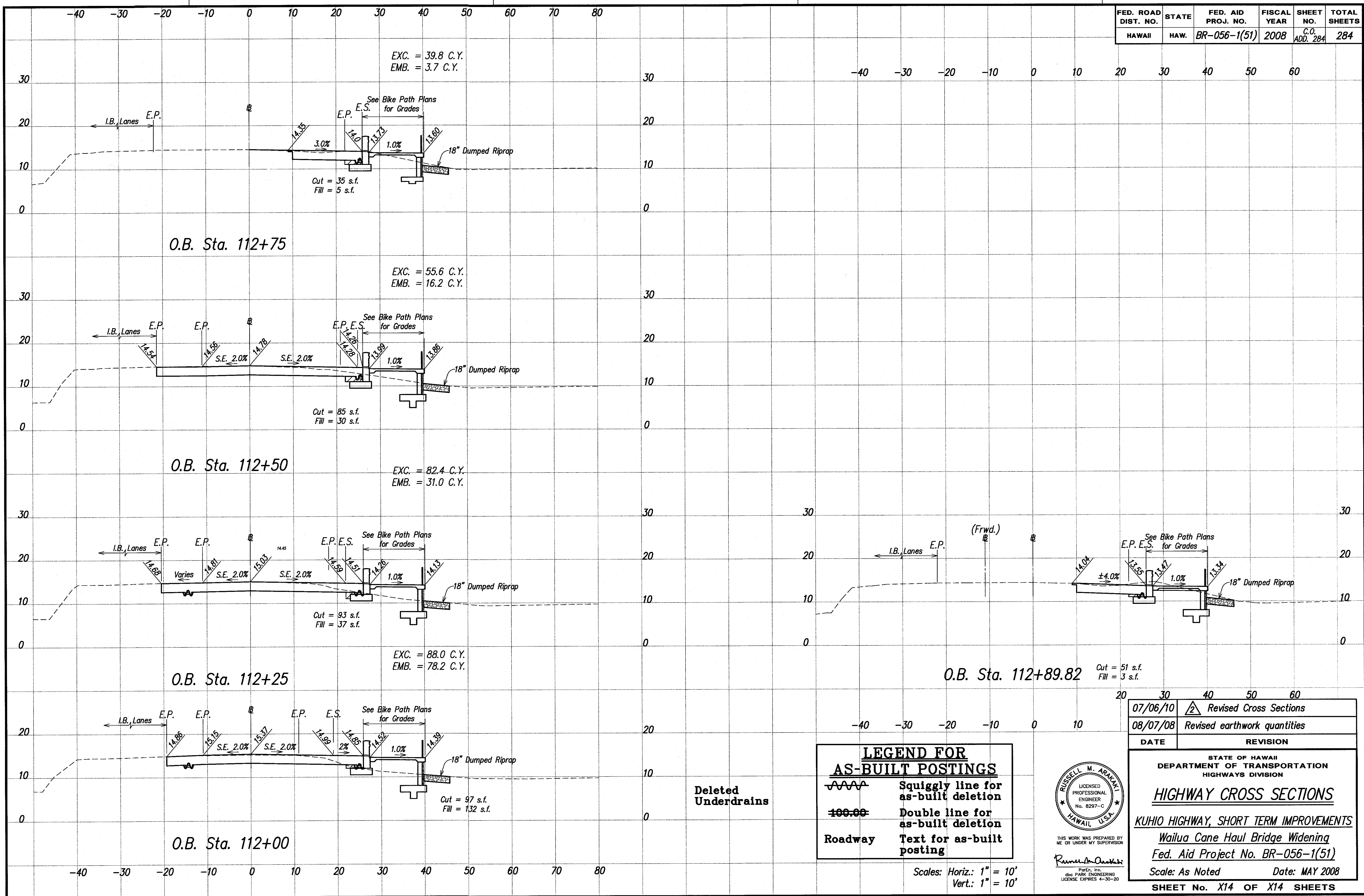
SHEET No. X13 OF X14 SHEETS

Scales: Horiz.: 1" = 10'
Vert.: 1" = 10'

"AS-BUILT"

C.O. ADD. 283

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|---------------|--------------|
| HAWAII | HAW. | BR-056-1(51) | 2008 | C.O. ADD. 284 | 284 |



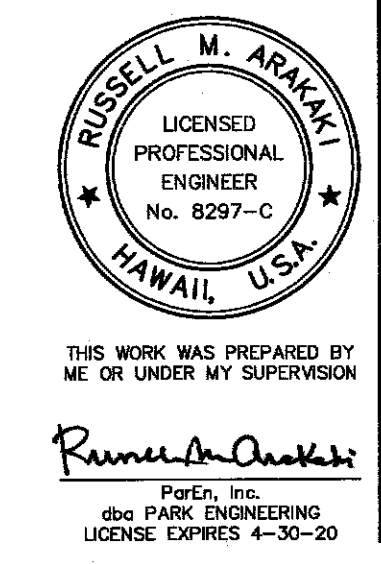
| | |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DESIGNED BY | |
| NOTED BY | |
| CHECKED BY | |
| ORIGINAL PLAN | |
| NOTE BOOK | |
| QUANTITIES BY | |
| CHECKED BY | |
| No. | |

LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion

~~100.00~~ Double line for as-built deletion

Roadway Text for as-built posting



| DATE     | REVISION                     |
|----------|------------------------------|
| 07/06/10 | Revised Cross Sections       |
| 08/07/08 | Revised earthwork quantities |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**HIGHWAY CROSS SECTIONS**

KUHIO HIGHWAY, SHORT TERM IMPROVEMENTS  
 Waialae Cane Haul Bridge Widening  
 Fed. Aid Project No. BR-056-1(51)  
 Scale: As Noted Date: MAY 2008  
 SHEET No. X14 OF X14 SHEETS

Scales: Horiz.: 1" = 10'  
 Vert.: 1" = 10'

"AS-BUILT"

C.O. ADD. 284