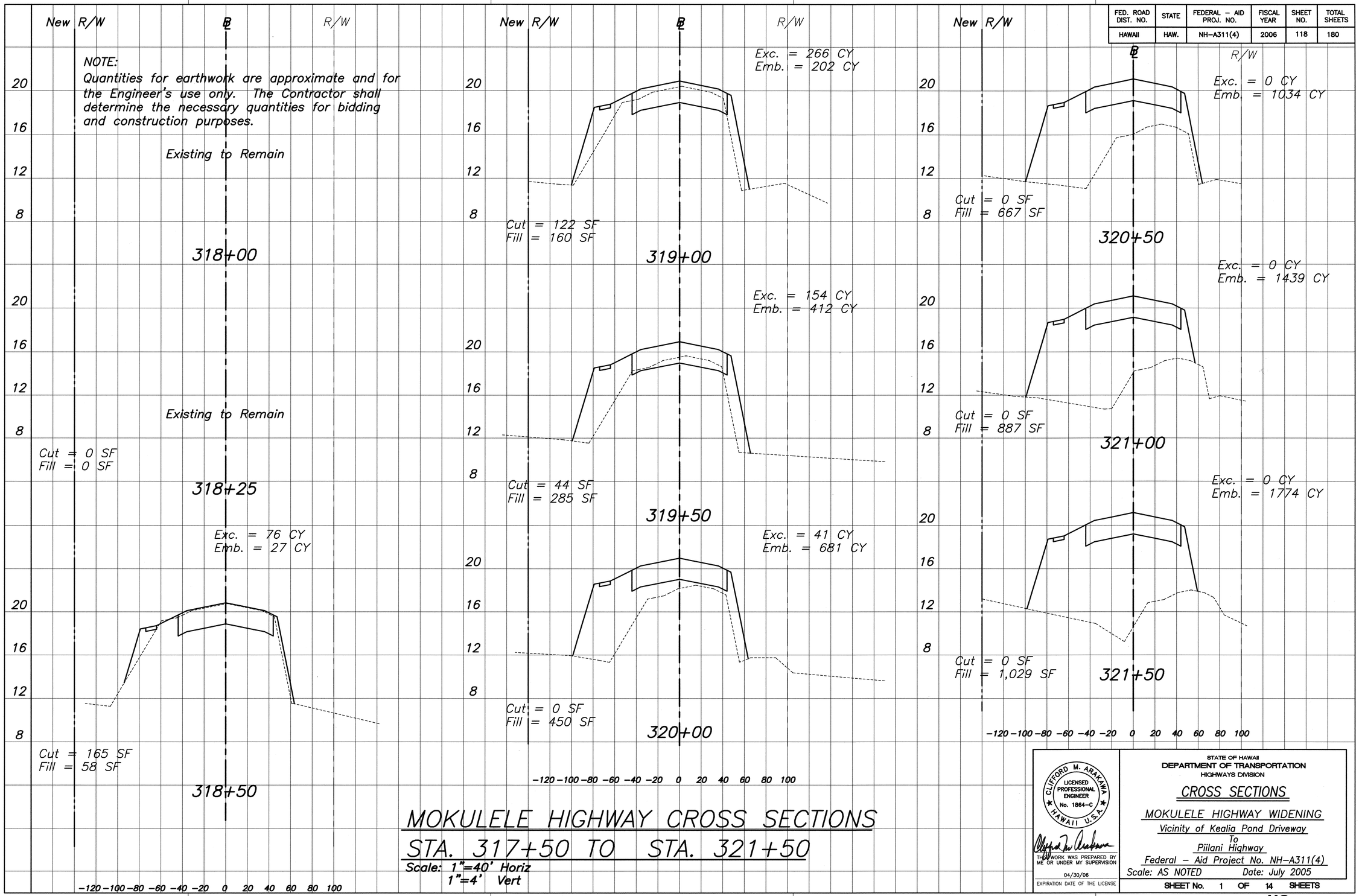
FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	118	180

NOTE:
Quantities for earthwork are approximate and for the Engineer's use only. The Contractor shall determine the necessary quantities for bidding and construction purposes.



MOKULELE HIGHWAY CROSS SECTIONS
STA. 317+50 TO STA. 321+50

Scale: 1"=40' Horiz
1"=4' Vert

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

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

04/30/06
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

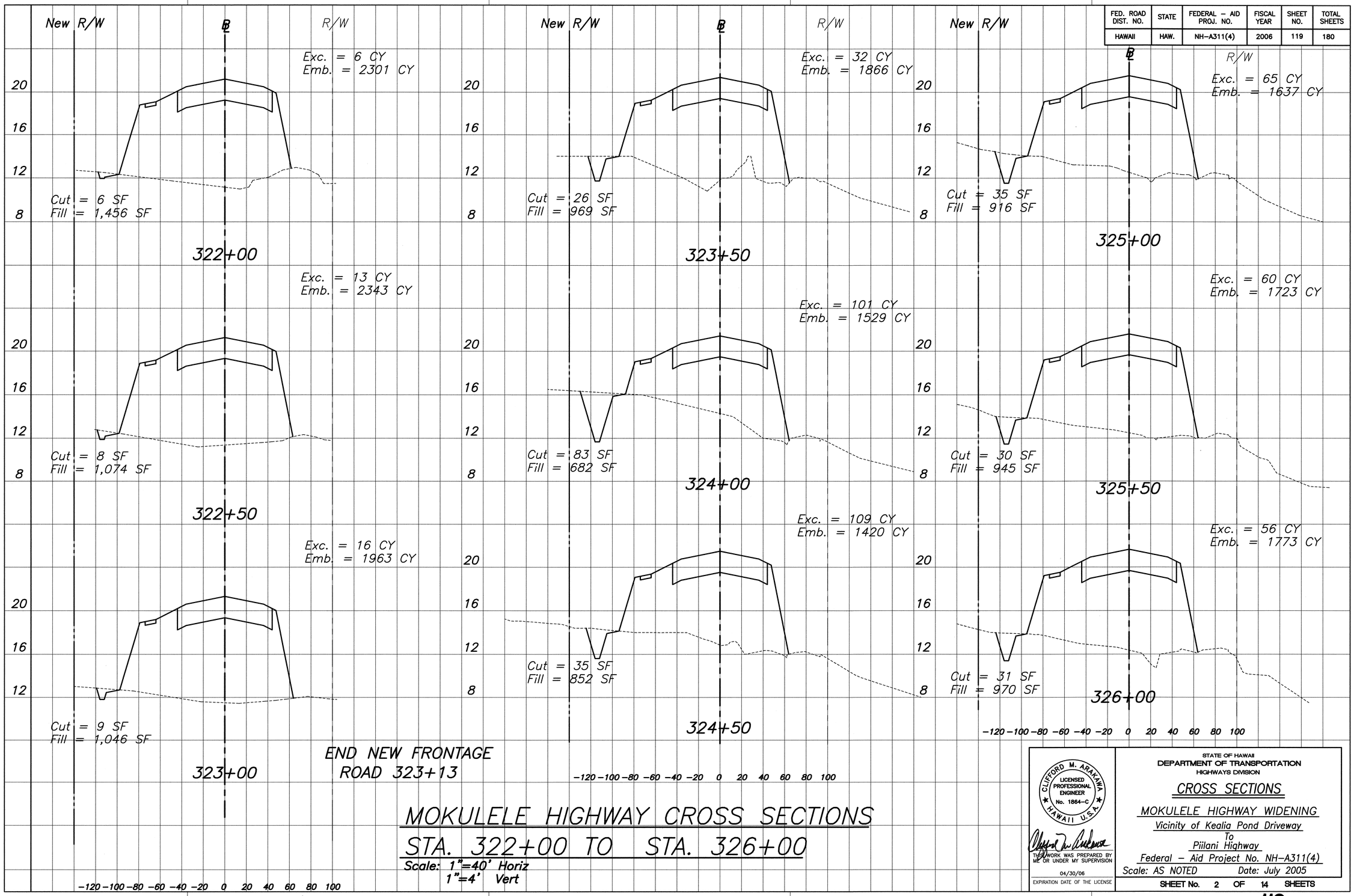
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 1 OF 14 SHEETS

PROJ. NO.: M9901.00 11/12/03 R:\moku...ph1A\SECT.dwg

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	119	180



MOKULELE HIGHWAY CROSS SECTIONS

STA. 322+00 TO STA. 326+00

Scale: 1"=40' Horiz
1"=4' Vert

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

CLIFFORD M. ARAKAWA
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No. 1864–C
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

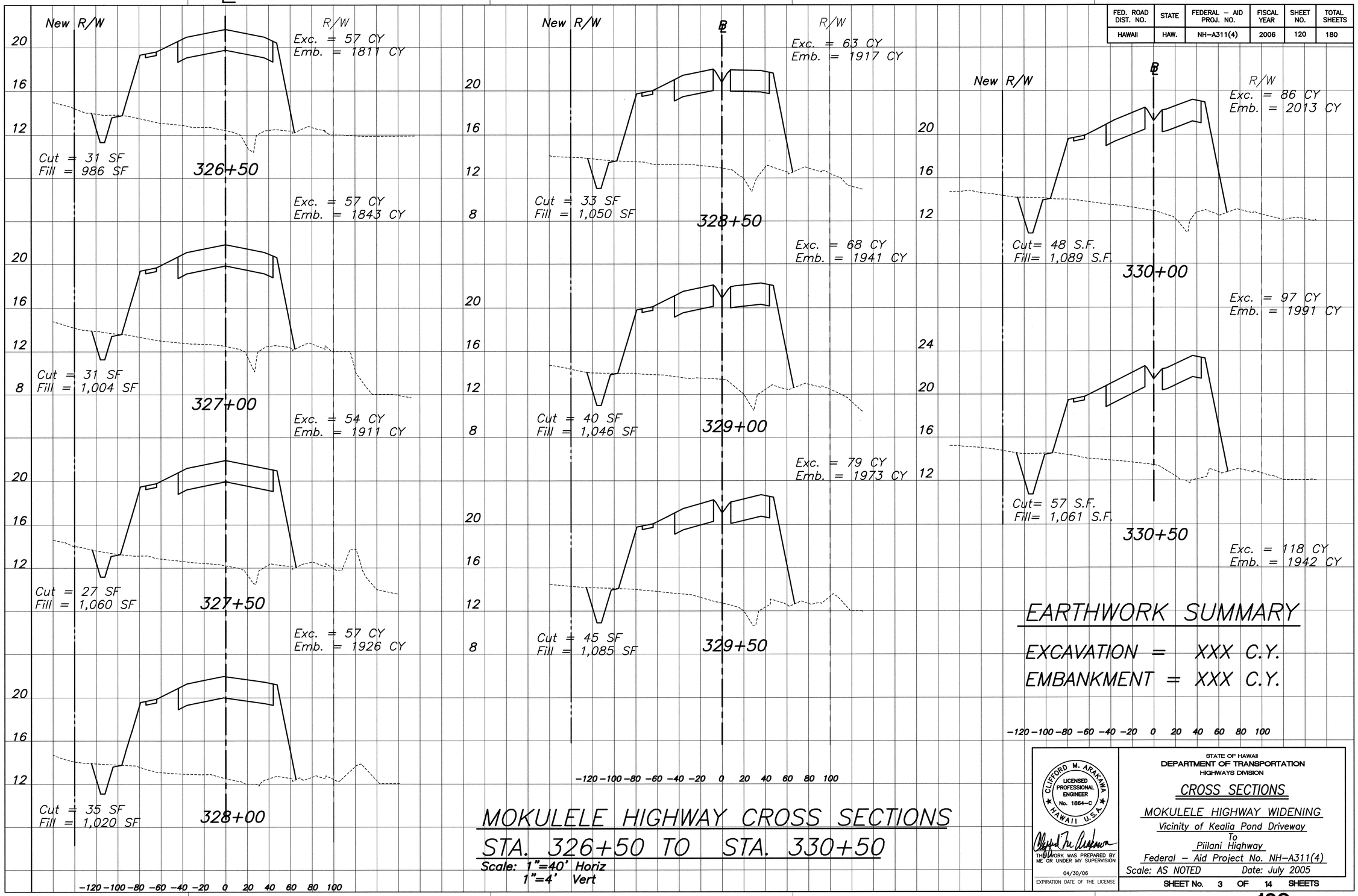
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 2 OF 14 SHEETS

PROJ. NO.: M9901.00 R:\moku_ph1A\XSECT.dwg 11/12/03

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	120	180



EARTHWORK SUMMARY

EXCAVATION = XXX C.Y.

EMBANKMENT = XXX C.Y.

MOKULELE HIGHWAY CROSS SECTIONS

STA. 326+50 TO STA. 330+50

Scale: 1"=40' Horiz
1"=4' Vert

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

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

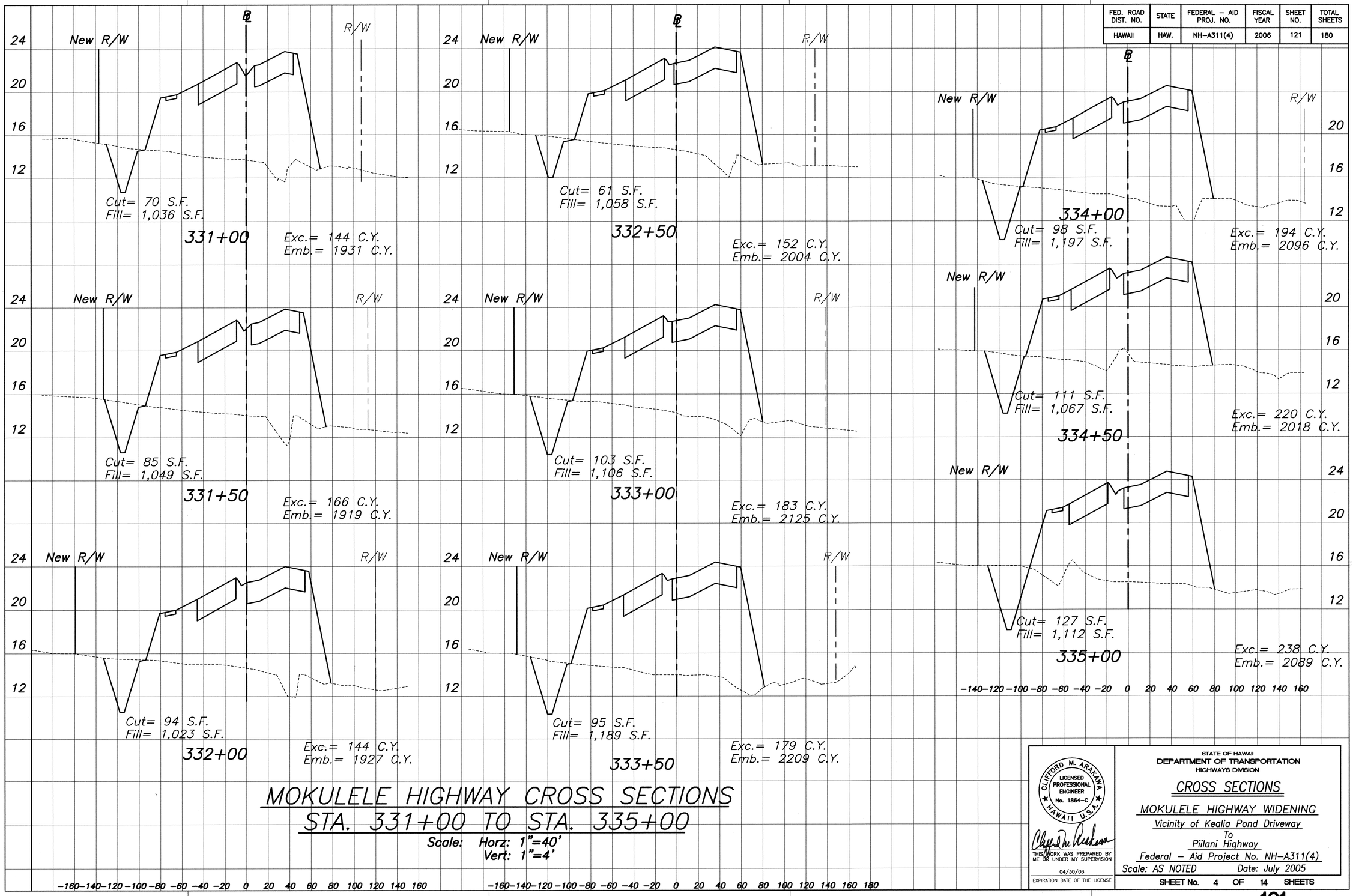
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 3 OF 14 SHEETS

PROJ. NO.: M9901.00 R:\moku_pn1A\XSECT.dwg 11/12/03

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	121	180



MOKULELE HIGHWAY CROSS SECTIONS
STA. 331+00 TO STA. 335+00

Scale: Horz: 1"=40'
Vert: 1"=4'

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

PROJ. NO.: M9901.00 11/12/03

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

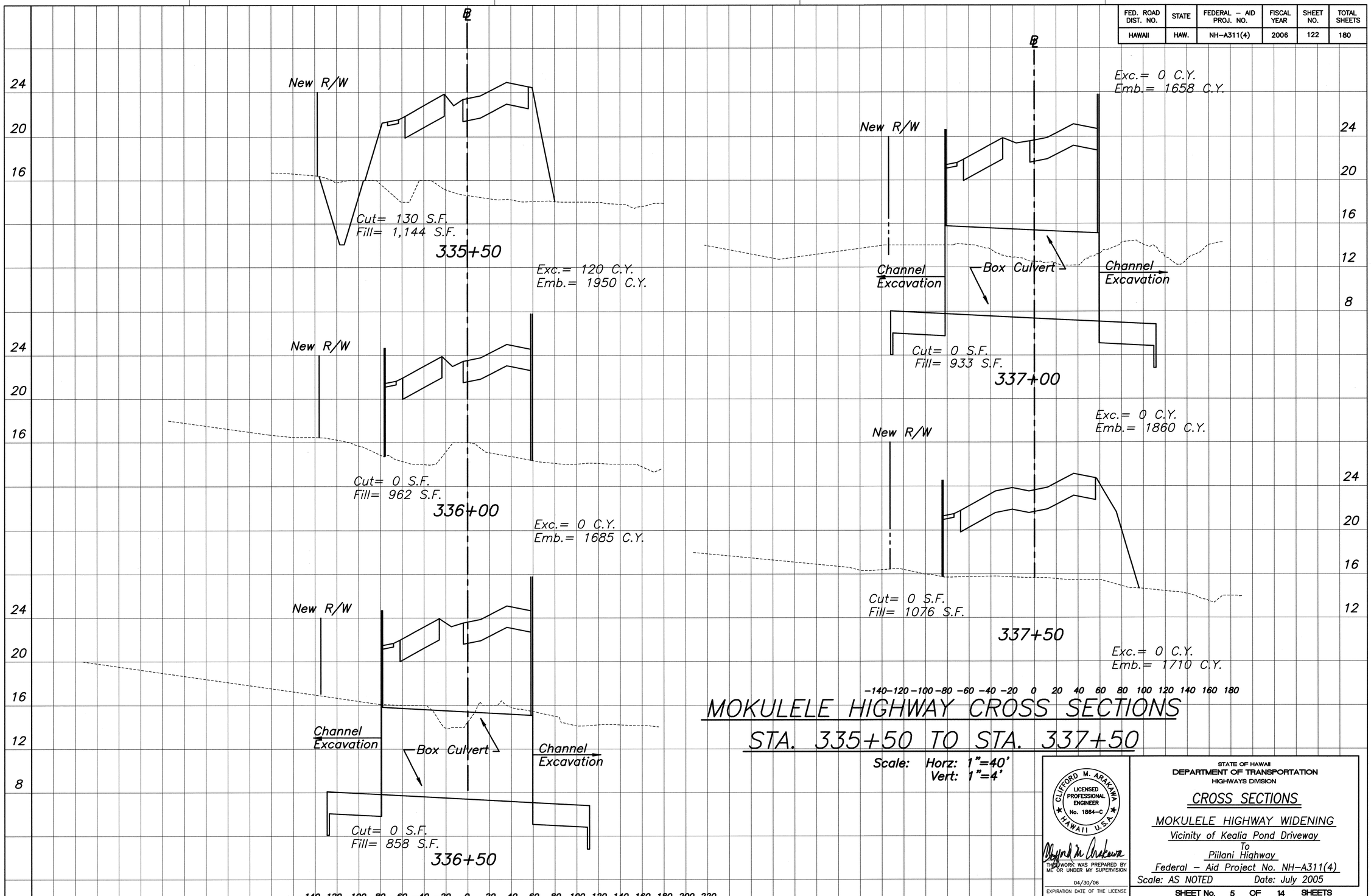
CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 4 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	122	180



MOKULELE HIGHWAY CROSS SECTIONS

STA. 335+50 TO STA. 337+50

Scale: Horz: 1"=40'
Vert: 1"=4'

CLIFFORD M. ARAKAWA
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 5 OF 14 SHEETS

ORIGINAL PLAN
NOTE BOOK
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
TRACING REVIEWED BY
QUANTITIES BY
CHECKED BY
DATE
No.

11/12/03

PROJ. NO.: M9901.00

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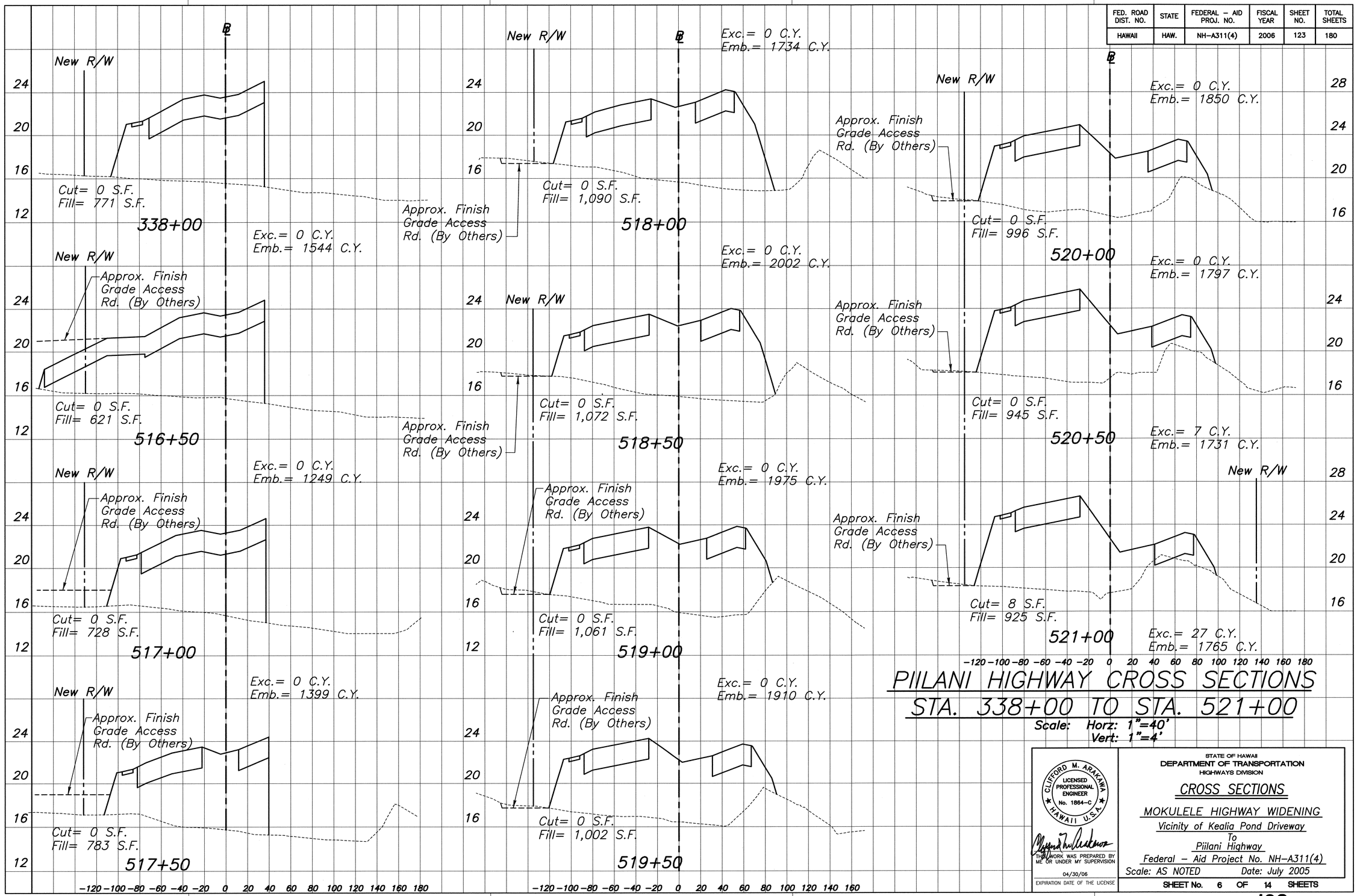
FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	123	180



PIILANI HIGHWAY CROSS SECTIONS
STA. 338+00 TO STA. 521+00

Scale: Horz: 1"=40'
Vert: 1"=4'

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN — NOTE BOOK No.

11/10/05

PROJ. NO.: M9901.00

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CLIFFORD M. ARAKAWA — LICENSED PROFESSIONAL ENGINEER No. 1864–C — HAWAII U.S.A.

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04/30/06

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

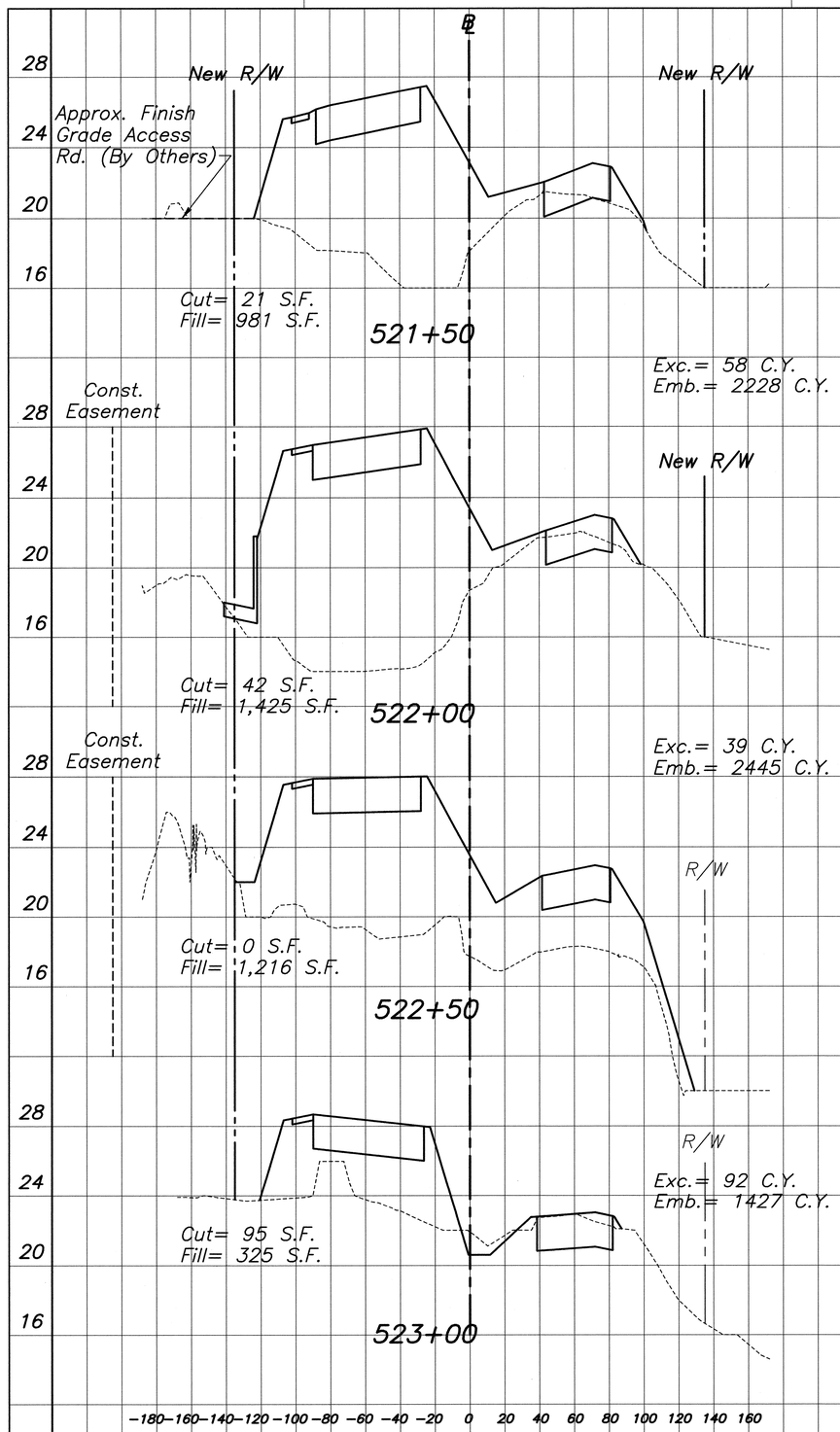
CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 6 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	124	180



PIILANI HIGHWAY CROSS SECTIONS
STA. 521+50 TO STA. 523+00

Scale: Horz: 1"=40'
Vert: 1"=4'

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

PROJ. NO.: M9901.00
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11/10/05

CLIFFORD M. ARAKAWA
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

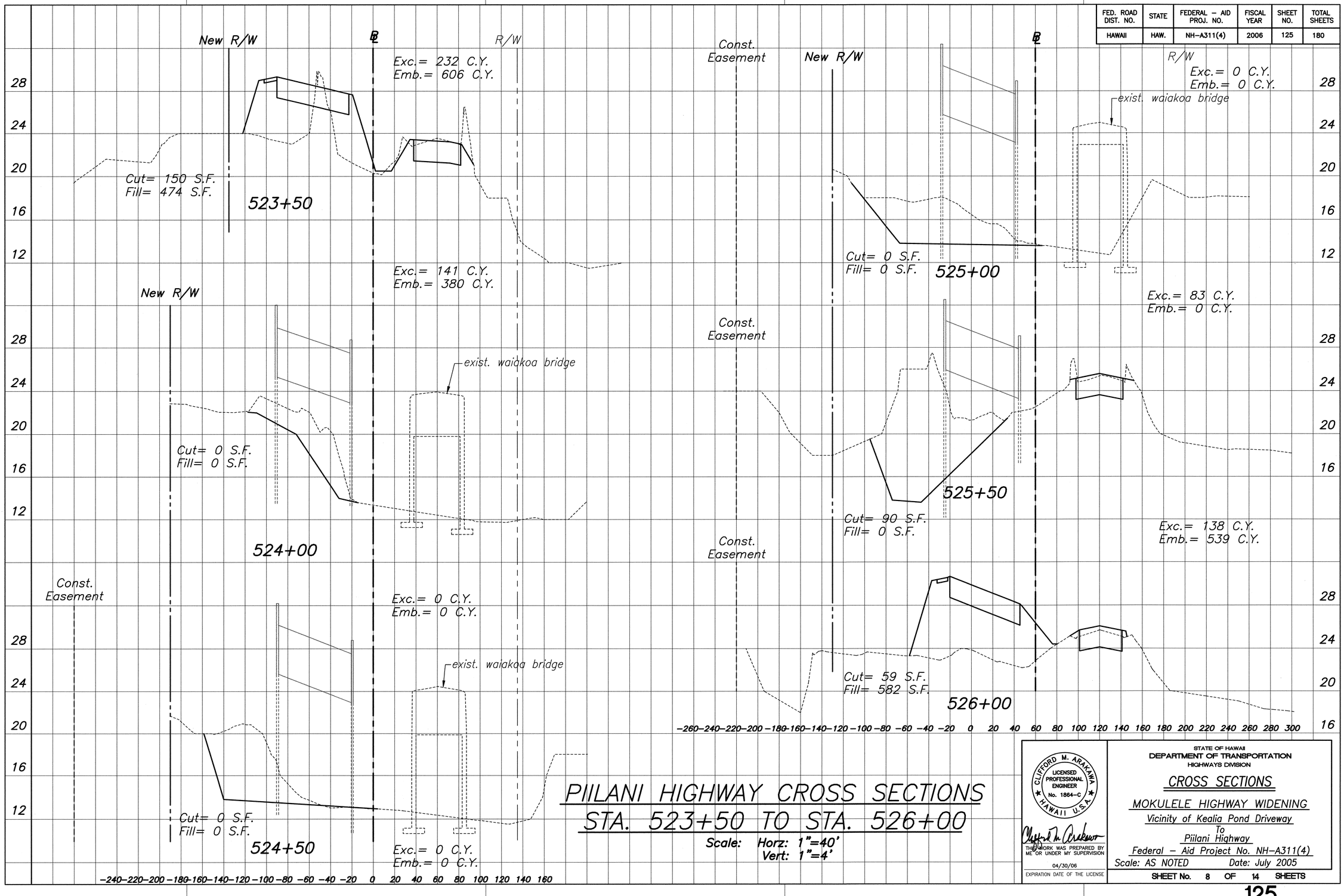
MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 7 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	125	180



PIILANI HIGHWAY CROSS SECTIONS
STA. 523+50 TO STA. 526+00

Scale: Horz: 1"=40'
Vert: 1"=4'

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

PROJ. NO.: M9901.00

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11/10/05

CLIFFORD M. ARAKAWA
LICENSED PROFESSIONAL ENGINEER
No. 1864–C
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

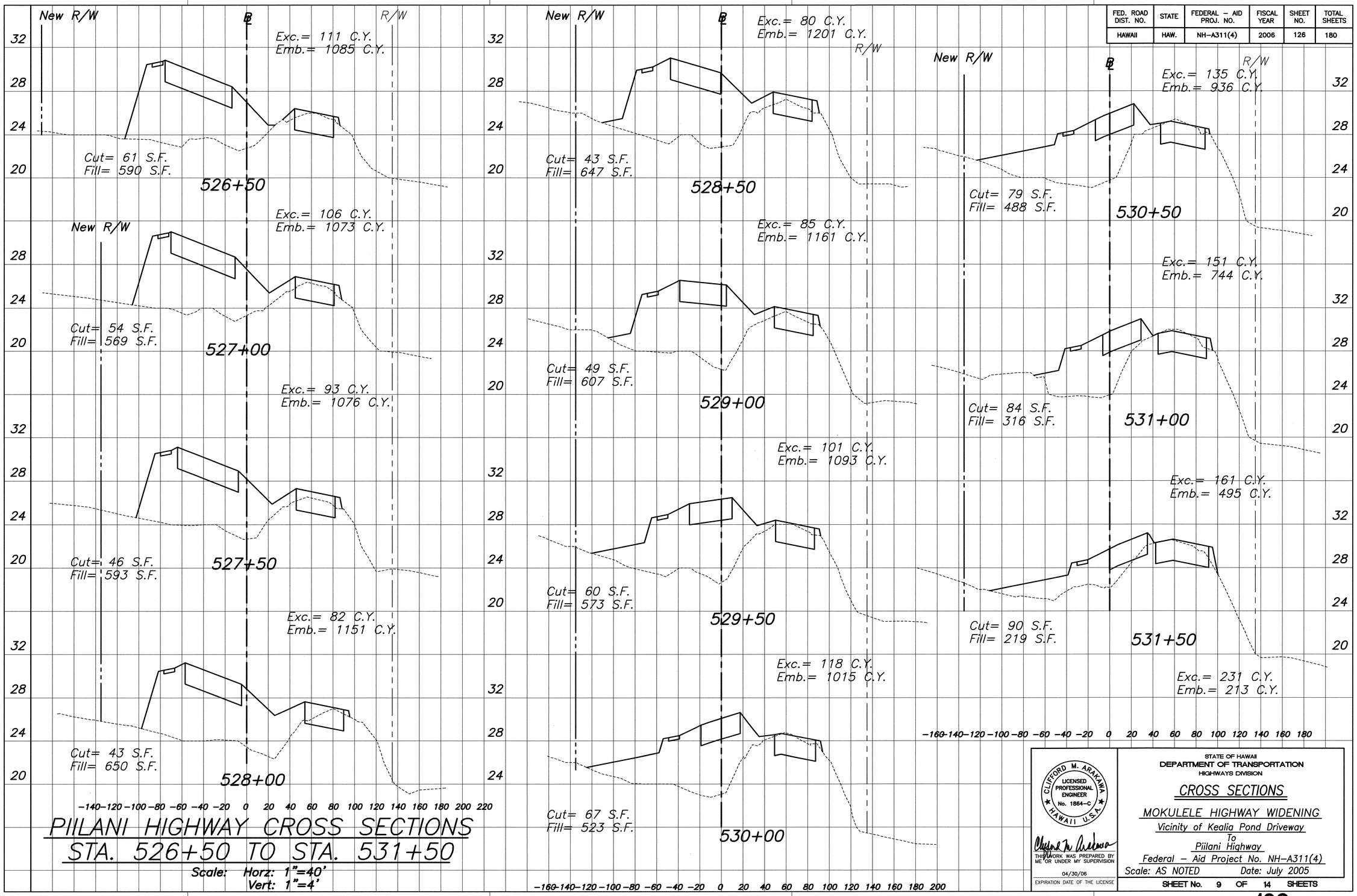
CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 8 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	126	180



PIILANI HIGHWAY CROSS SECTIONS
STA. 526+50 TO STA. 531+50

Scale: Horz: 1"=40'
Vert: 1"=4'

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

PROJ. NO.: M9901.00
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11/12/03

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04/30/06
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

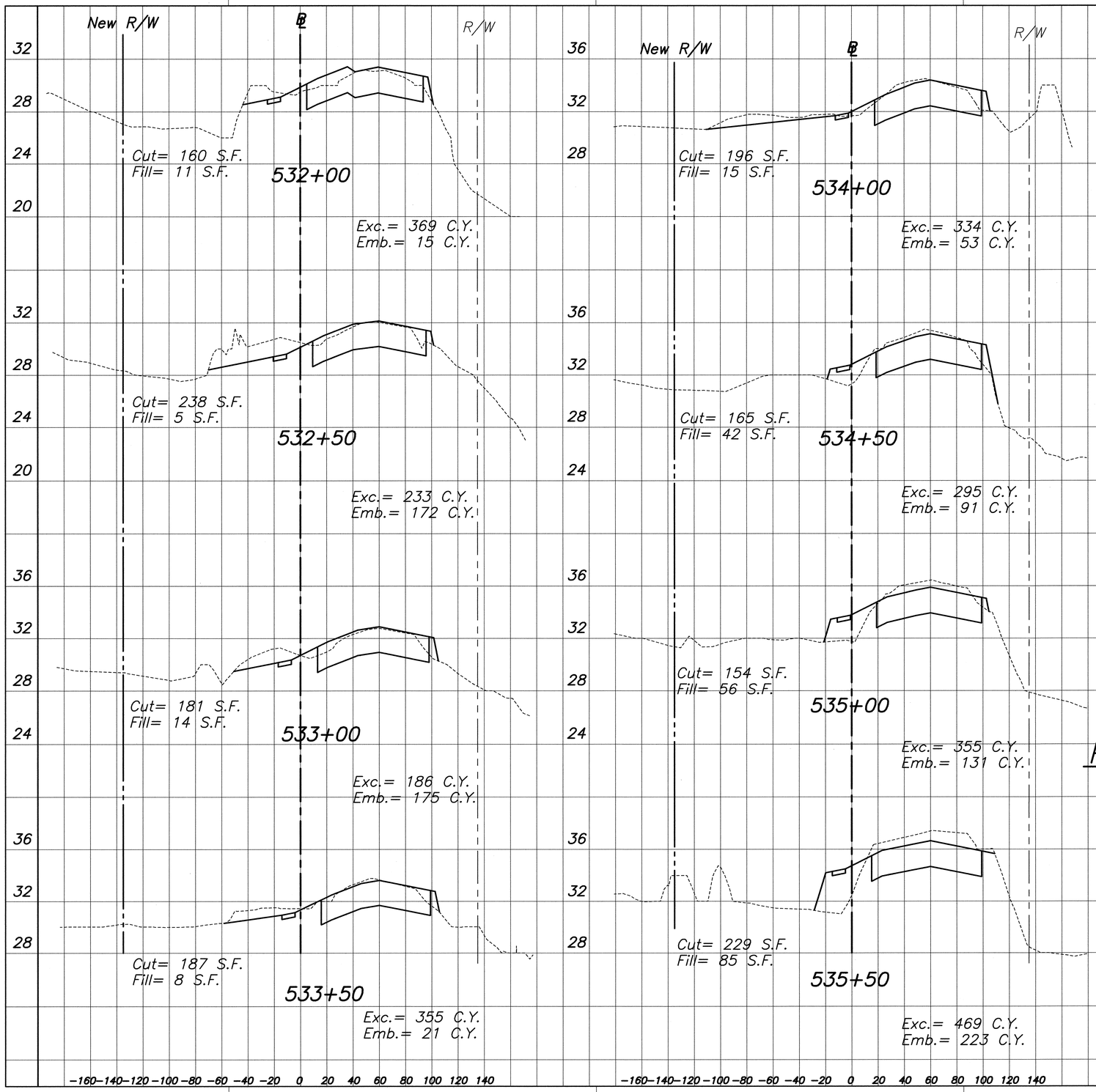
CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 9 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	127	180



PIILANI HIGHWAY CROSS SECTIONS
STA. 532+00 TO STA. 536+00

Scale: Horz: 1"=40'
Vert: 1"=4'

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

11/12/03

PROJ. NO.: M9901.00

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LICENSED PROFESSIONAL ENGINEER
No. 1864-C
HAWAII U.S.A.

Clifford M. Arakawa

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04/30/06

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

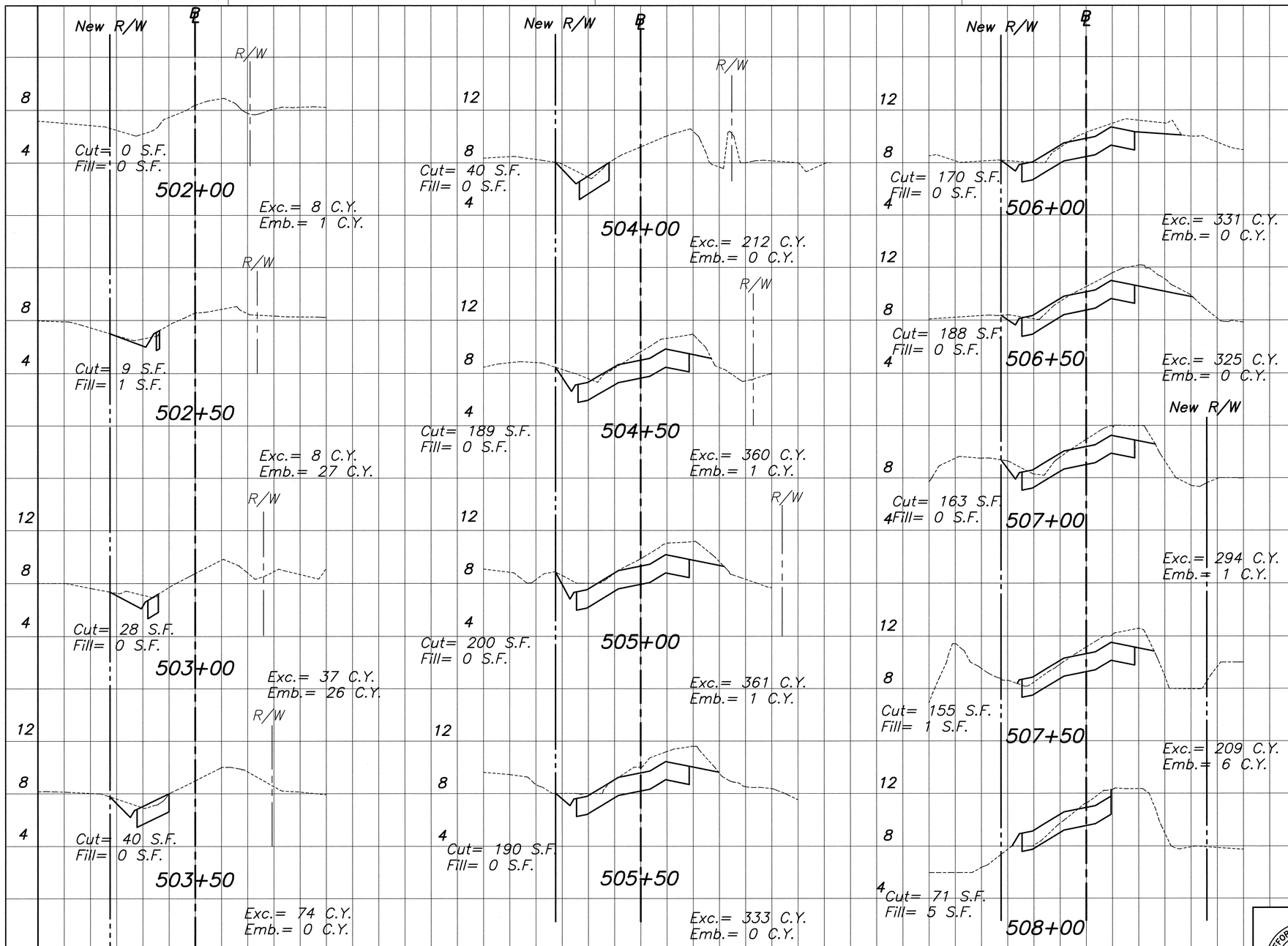
MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 10 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	128	180



PIILANI HIGHWAY CROSS SECTIONS

Scale: 1"=40' Horiz.
1"=4' Vert.

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

11/12/03

PROJ. NO.: M9901.00

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

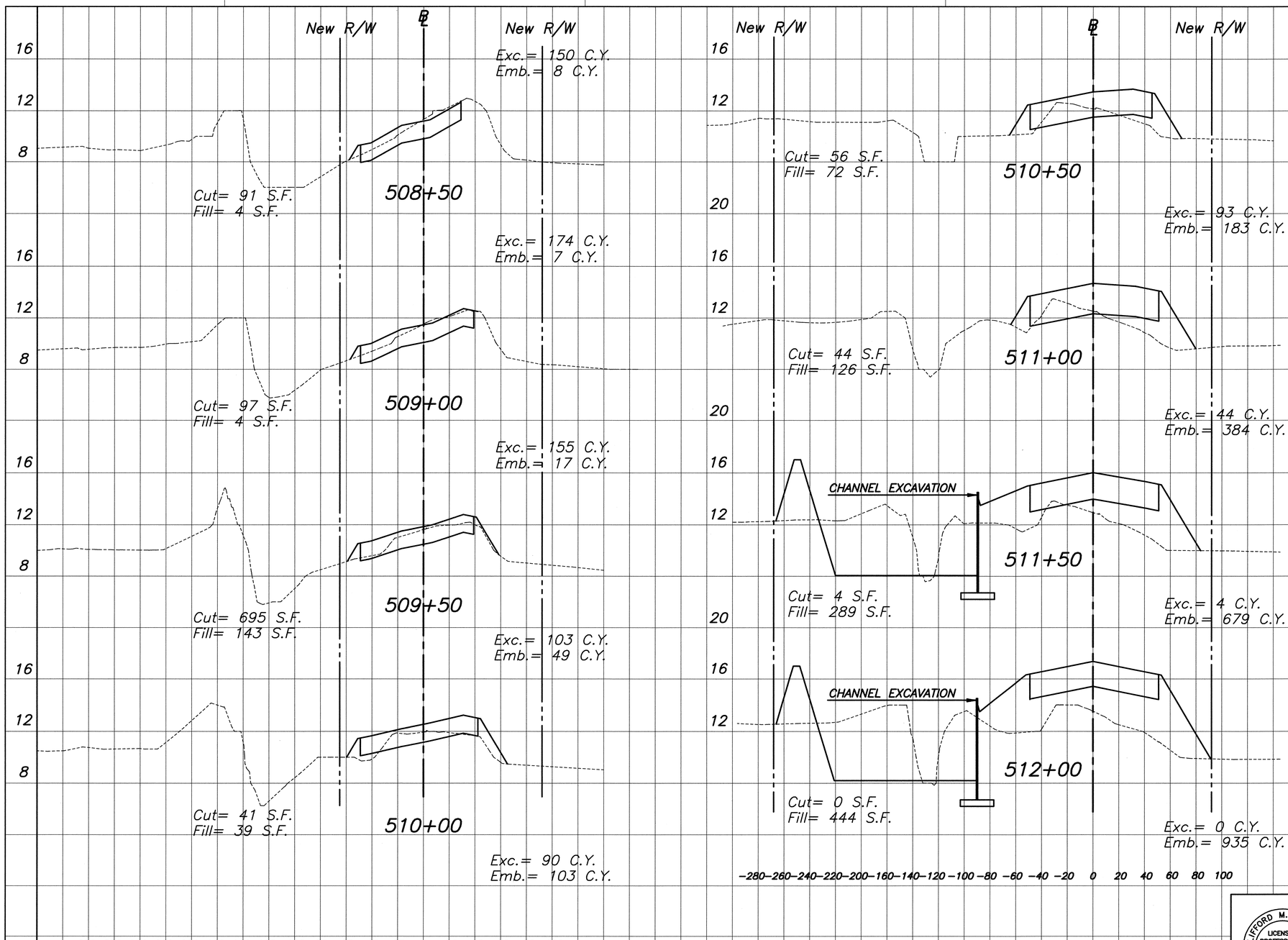
CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 11 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	129	180



PIILANI HIGHWAY CROSS SECTIONS

Scale: 1"=40' Horiz.
1"=4' Vert.

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

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HIGHWAYS DIVISION

CROSS SECTIONS

MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 12 OF 14 SHEETS

PROJ. NO.: M9901.00
11/12/03
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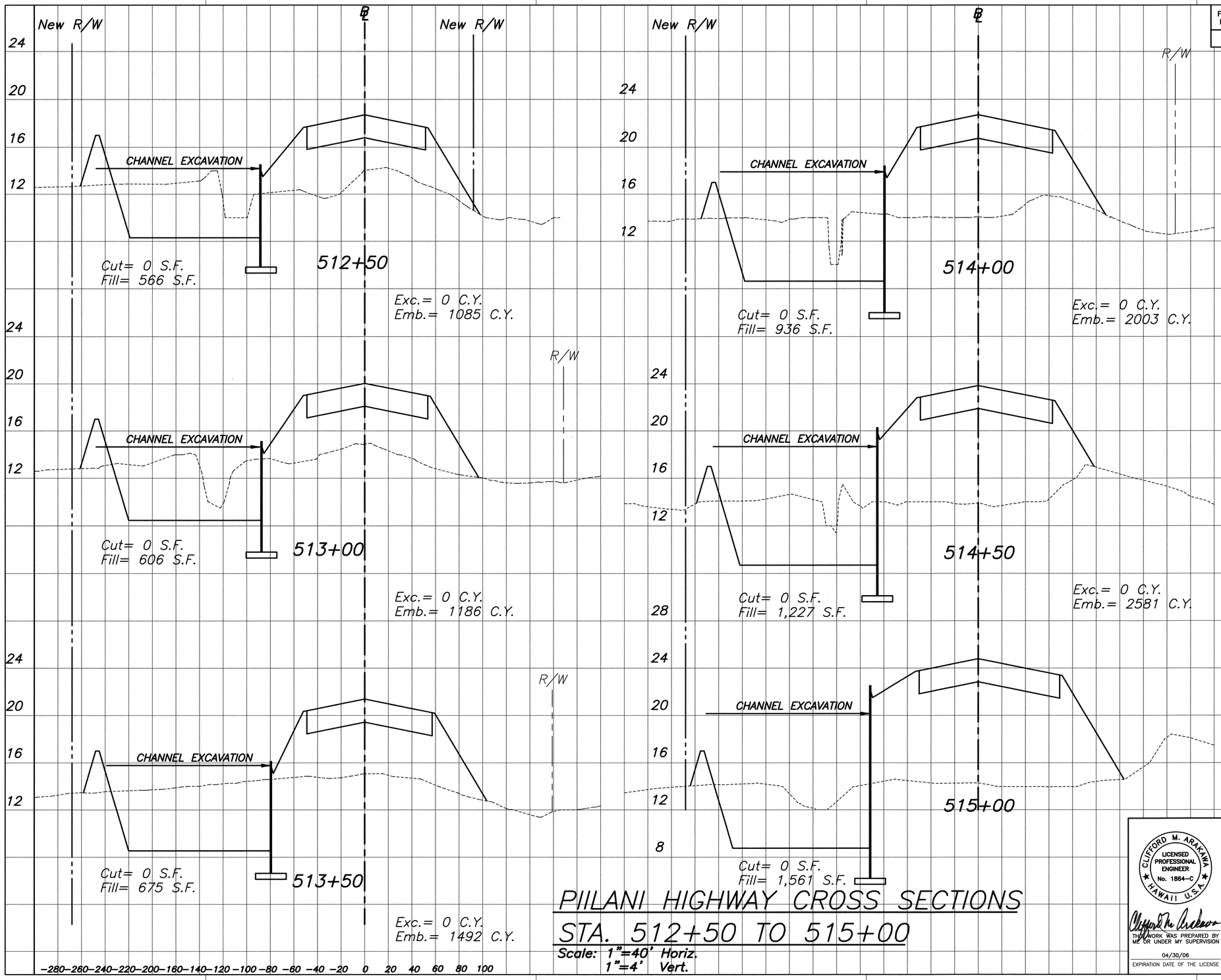
FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH–A311(4)	2006	130	180



PIILANI HIGHWAY CROSS SECTIONS

STA. 512+50 TO 515+00

Scale: 1"=40' Horiz.
1"=4' Vert.

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

PROJ. NO.: M9901.00

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11/12/03

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04/30/06

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

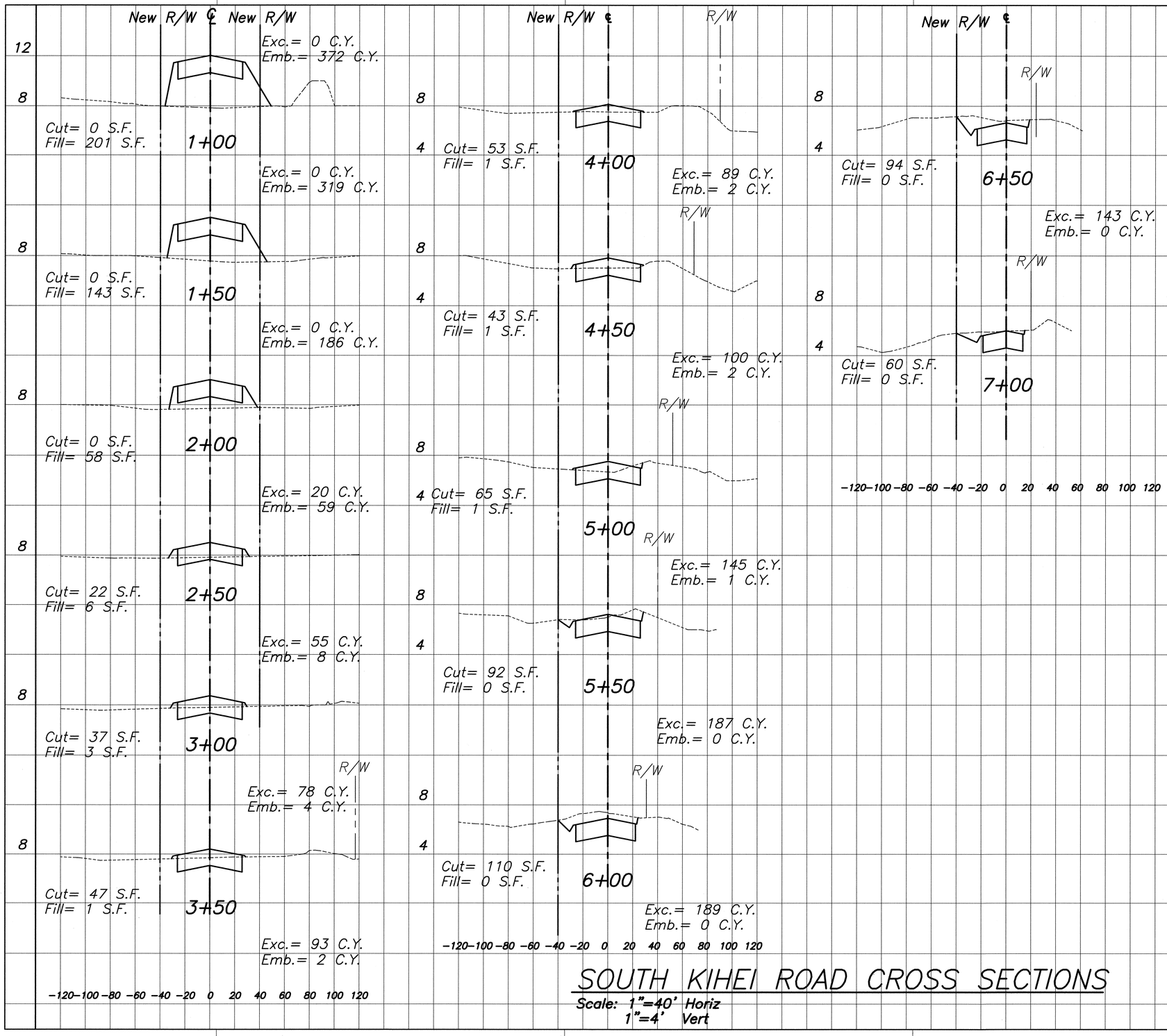
MOKULELE HIGHWAY WIDENING
Vicinity of Kealia Pond Driveway
To
Piilani Highway

Federal – Aid Project No. NH–A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 13 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL – AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(4)	2006	131	180



SOUTH KIHEI ROAD CROSS SECTIONS

Scale: 1"=40' Horiz
1"=4' Vert

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

11/12/03

PROJ. NO.: M9901.00

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

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Vicinity of Kealia Pond Driveway
To
Piilani Highway
Federal – Aid Project No. NH-A311(4)

Scale: AS NOTED Date: July 2005

SHEET No. 14 OF 14 SHEETS