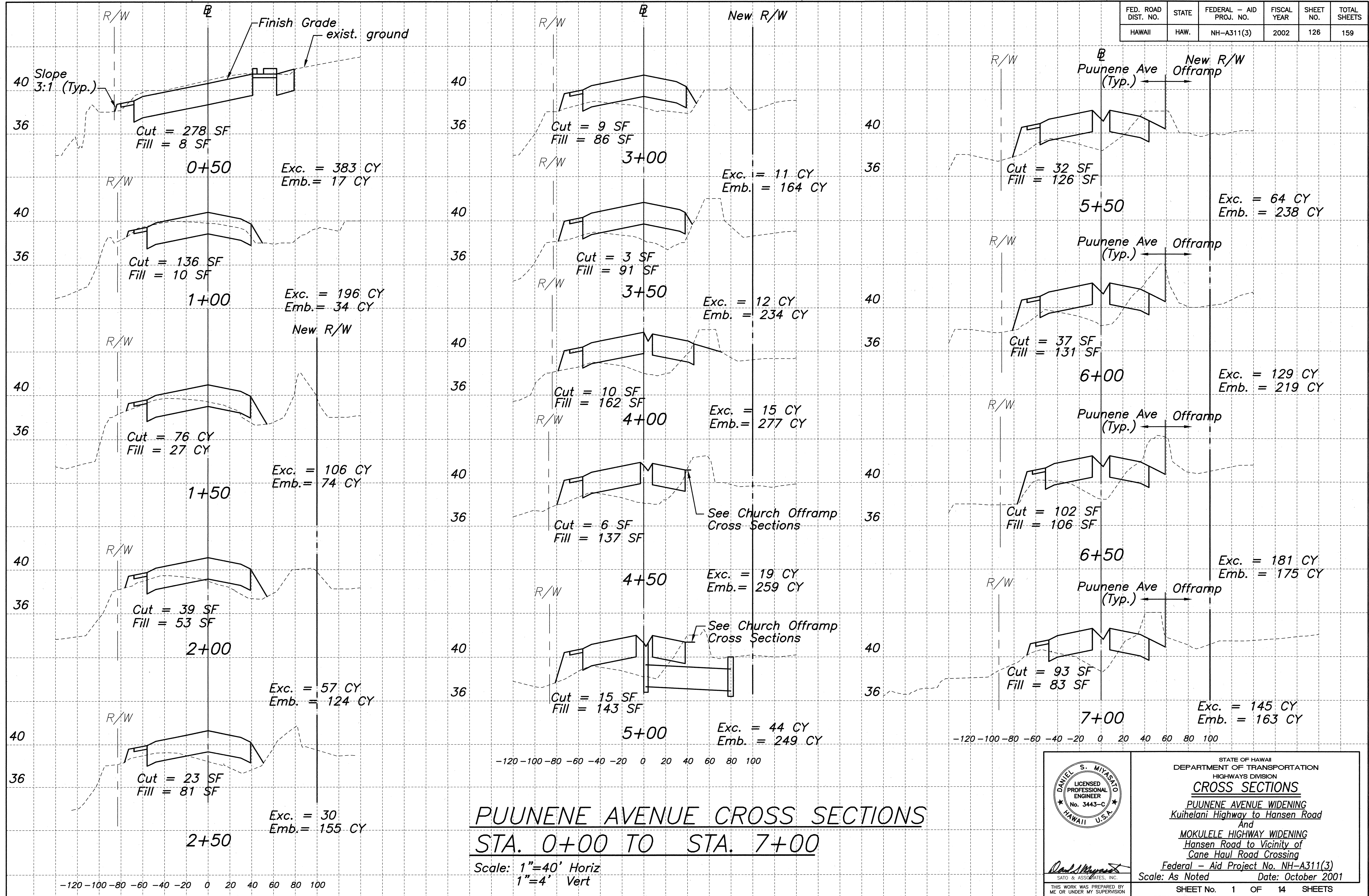


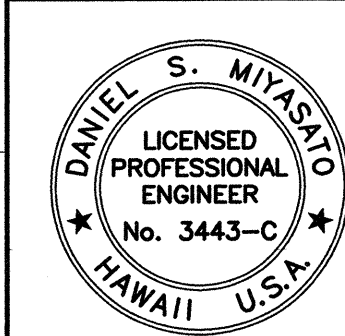
FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	126	159



PUUNENE AVENUE CROSS SECTIONS STA. 0+00 TO STA. 7+00

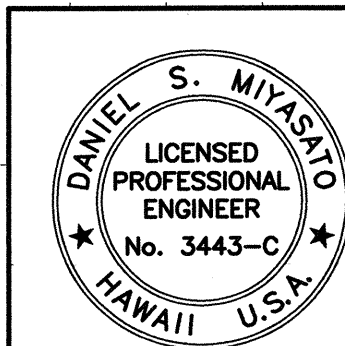
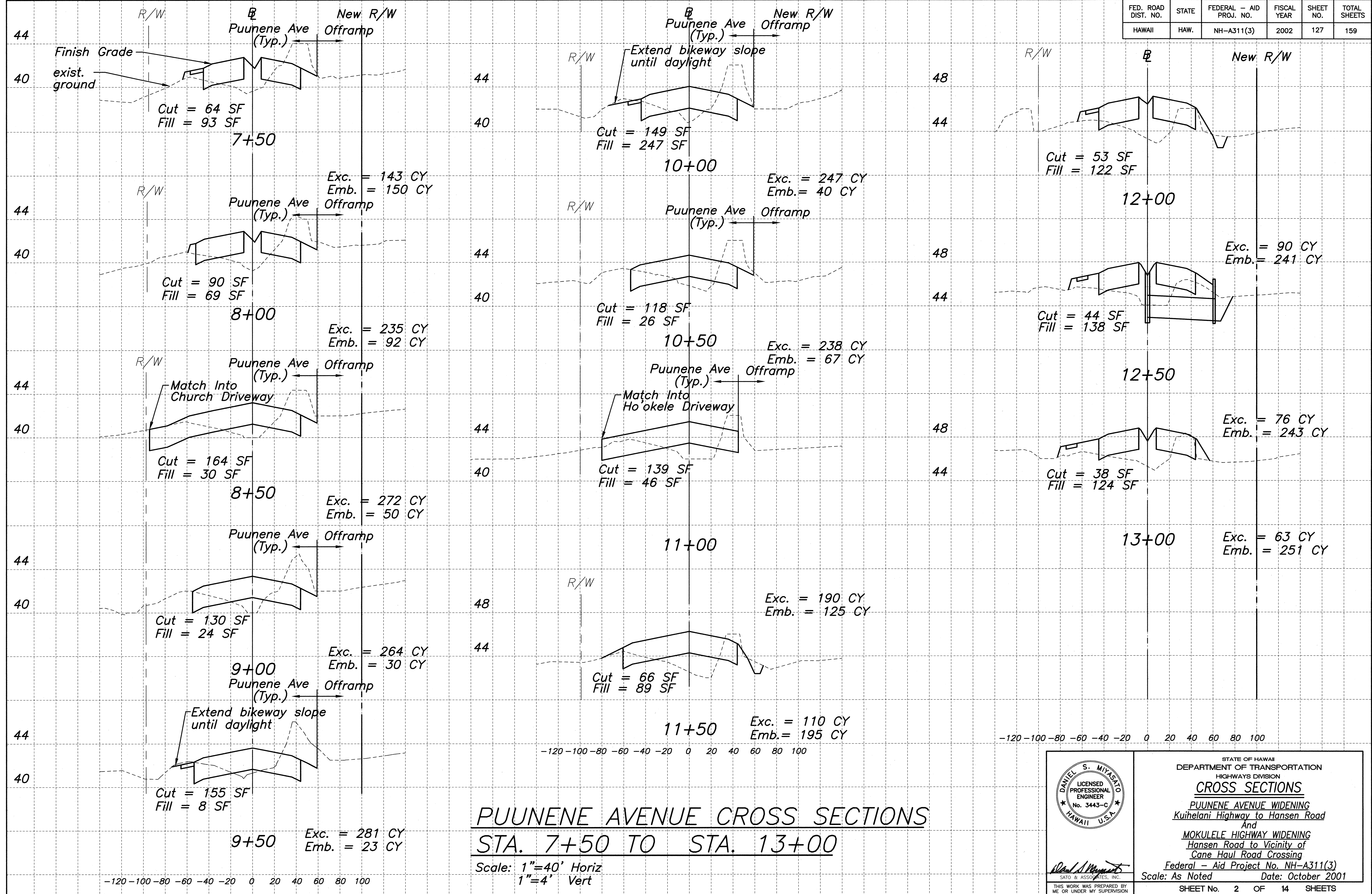
Scale: 1"=40' Horiz
1"=4' Vert

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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
And
MOKULELE HIGHWAY WIDENING
Hansen Road to Vicinity of
Cane Haul Road Crossing
Federal - Aid Project No. NH-A311(3)
Scale: As Noted Date: October 2001
SHEET No. 1 OF 14 SHEETS

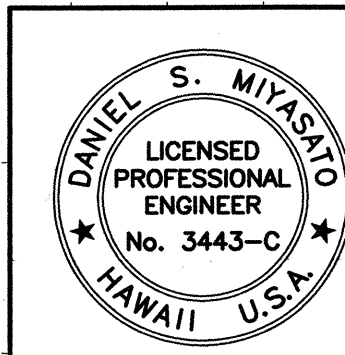
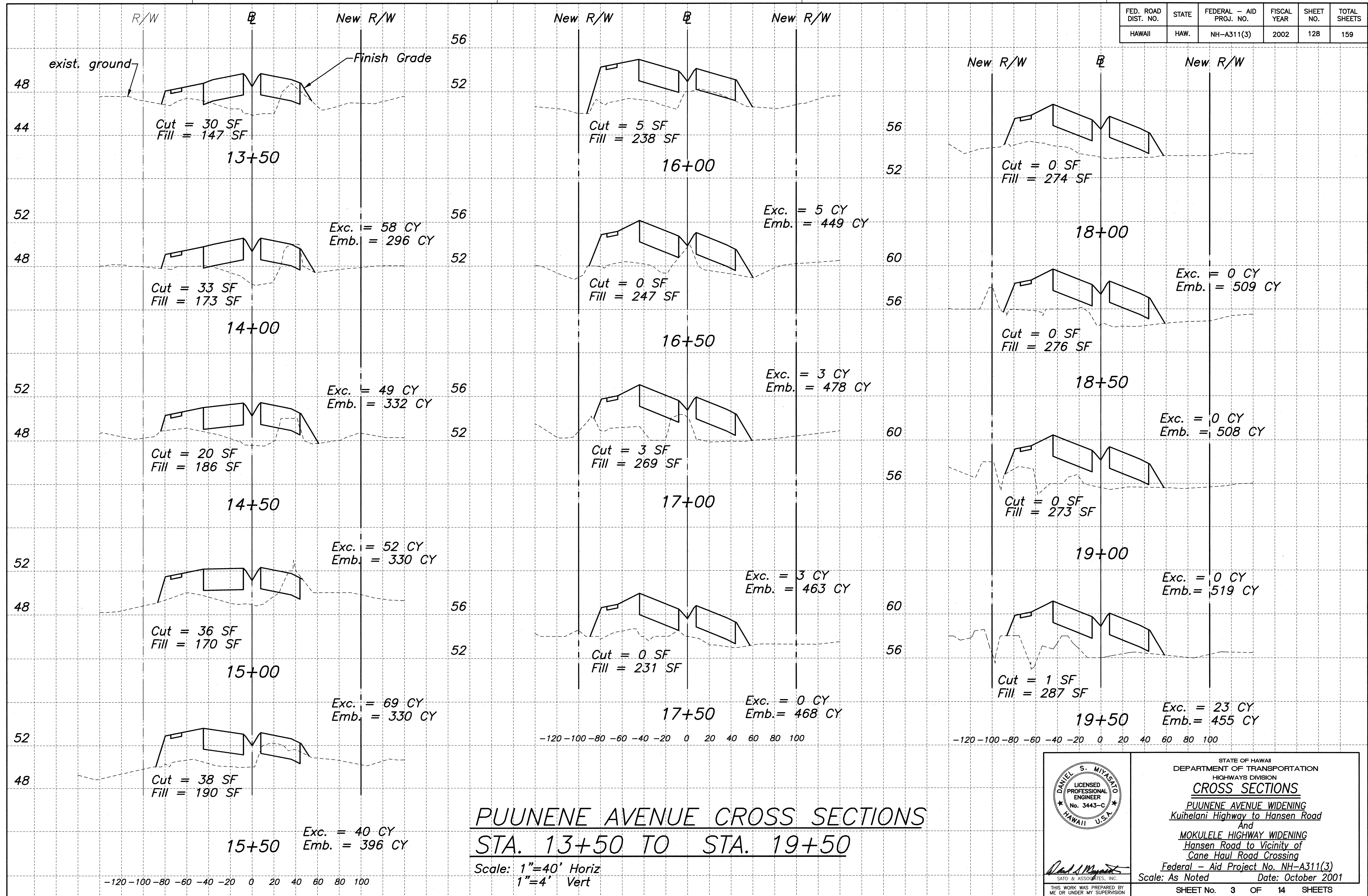
FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	127	159



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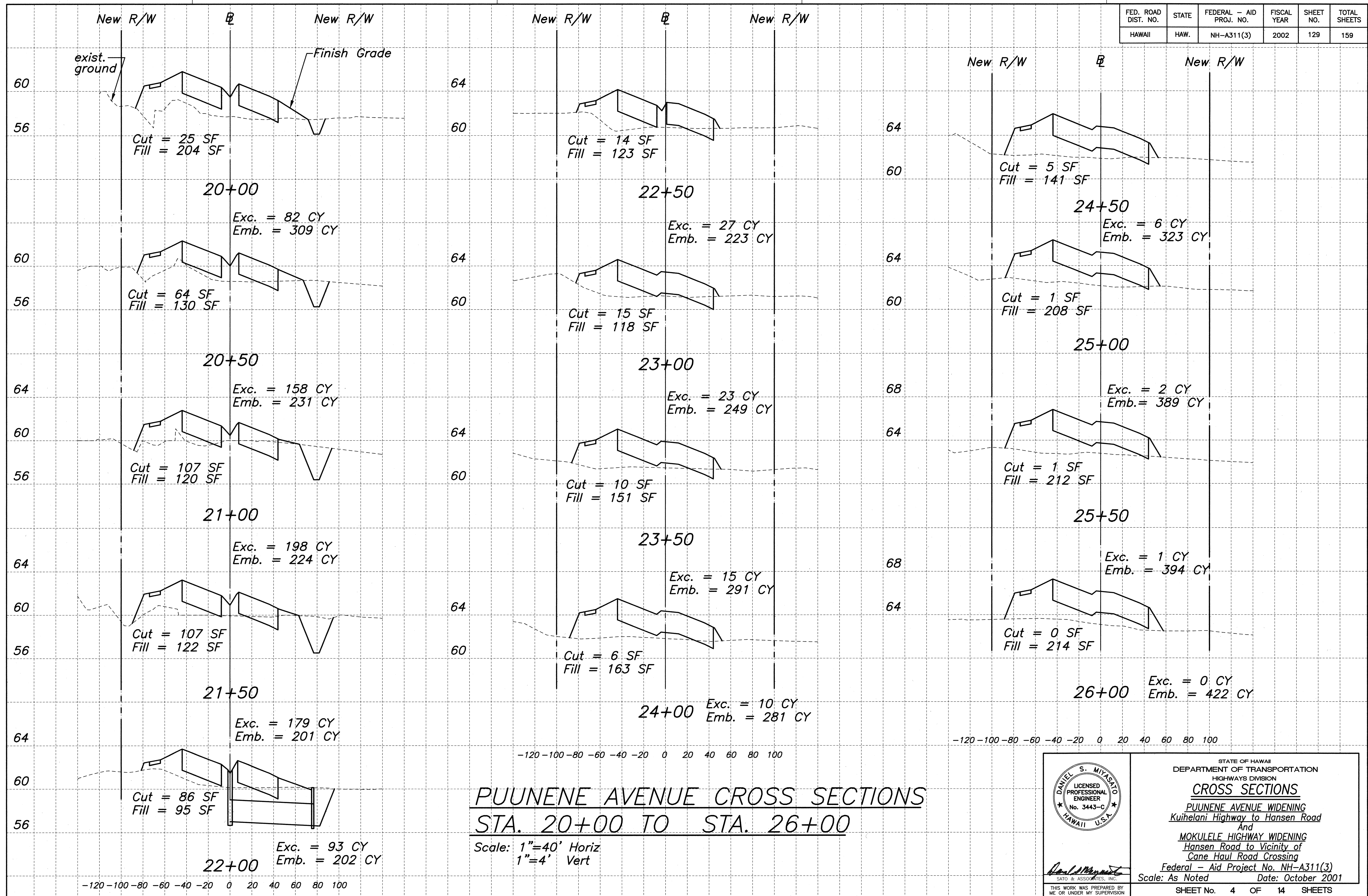
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
CROSS SECTIONS
 PUUNENE AVENUE WIDENING
 Kuihelani Highway to Hansen Road
 And
 MOKULELE HIGHWAY WIDENING
 Hansen Road to Vicinity of
 Cane Haul Road Crossing
 Federal - Aid Project No. NH-A311(3)
 Scale: As Noted Date: October 2001
 SHEET No. 2 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	128	159



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
CROSS SECTIONS
 PUUNENE AVENUE WIDENING
 Kuihelani Highway to Hansen Road
 And
 MOKULELE HIGHWAY WIDENING
 Hansen Road to Vicinity of
 Cane Haul Road Crossing
 Federal - Aid Project No. NH-A311(3)
 Scale: As Noted Date: October 2001
 SHEET No. 3 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	129	159



PUUNENE AVENUE CROSS SECTIONS STA. 20+00 TO STA. 26+00

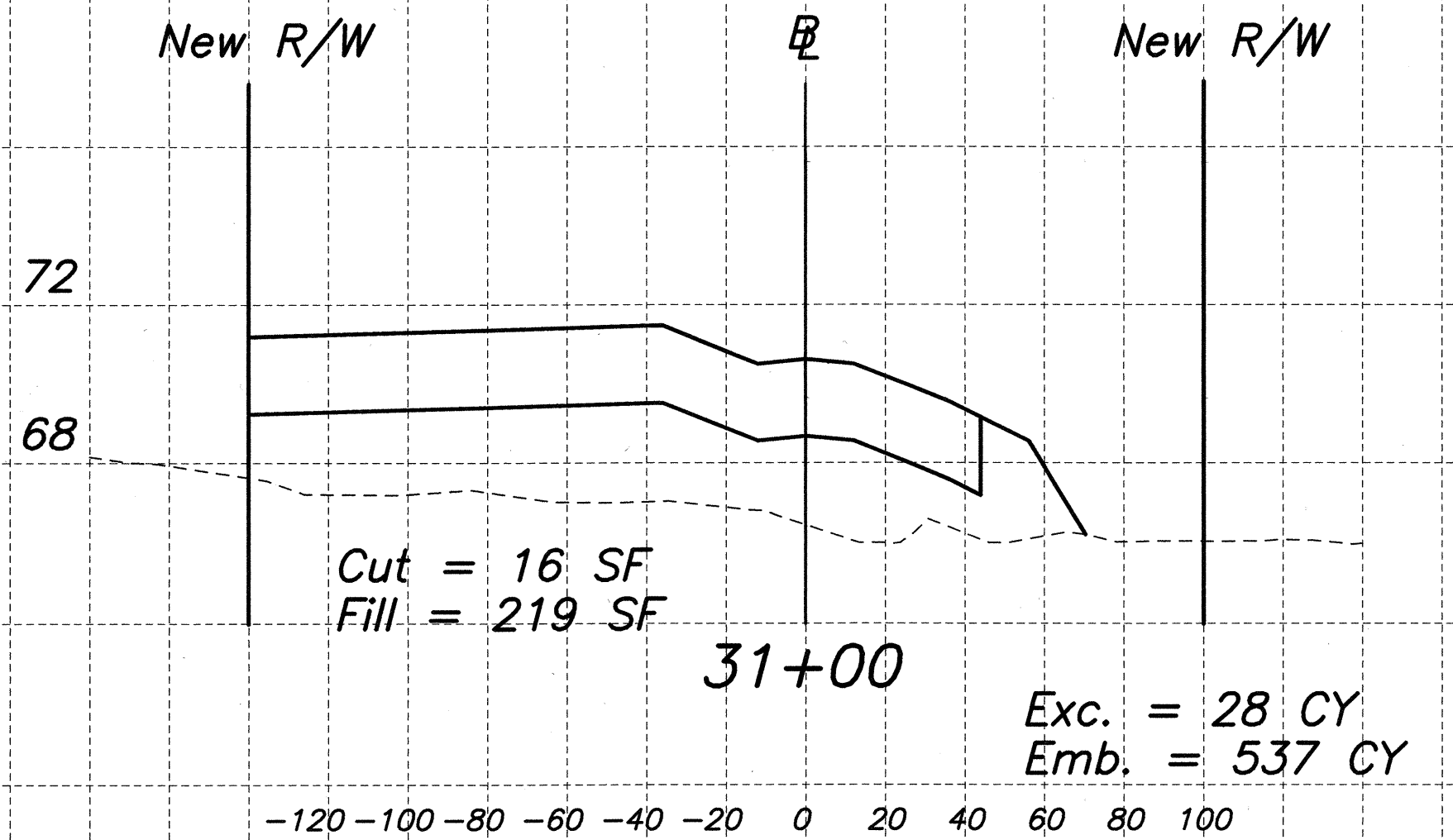
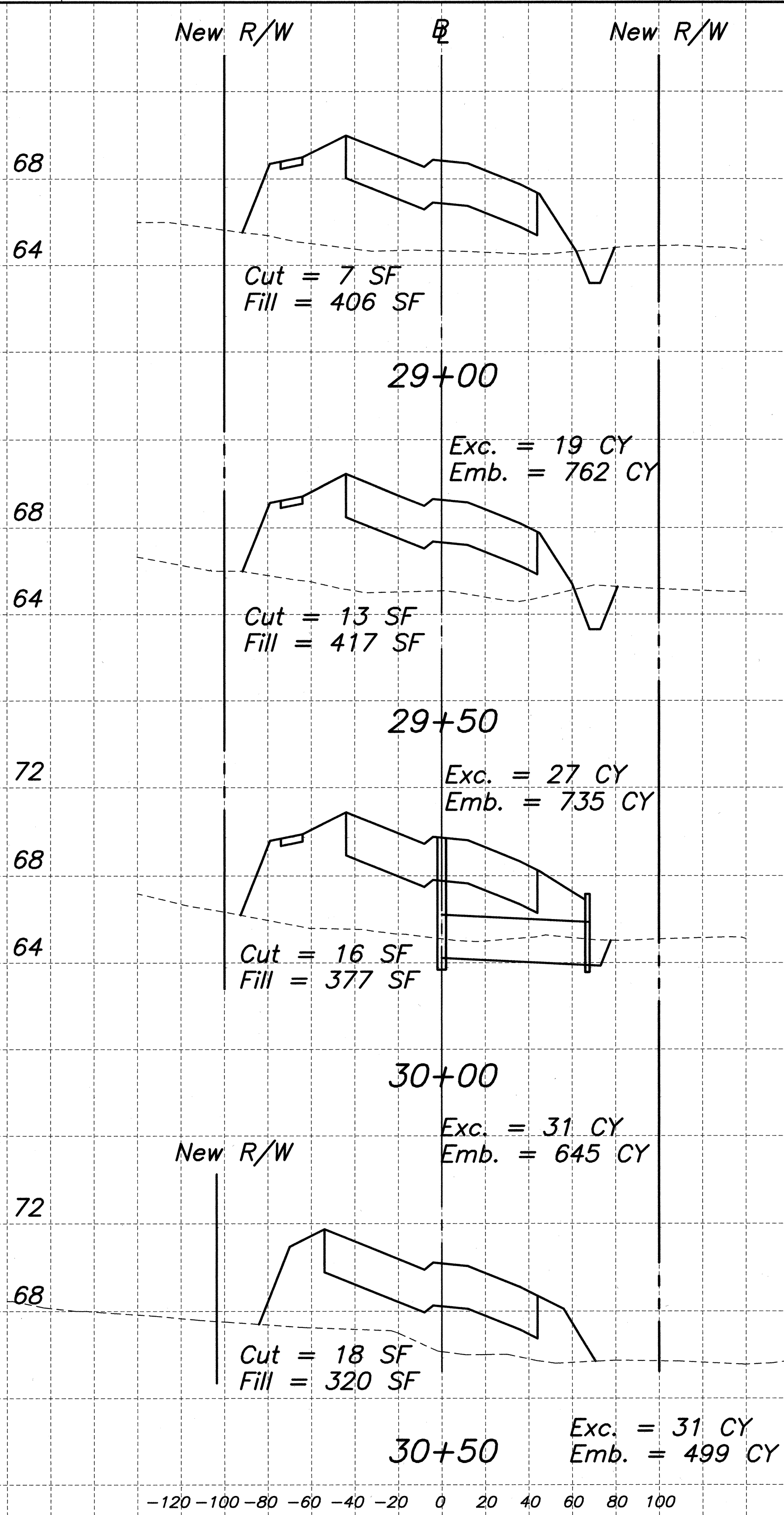
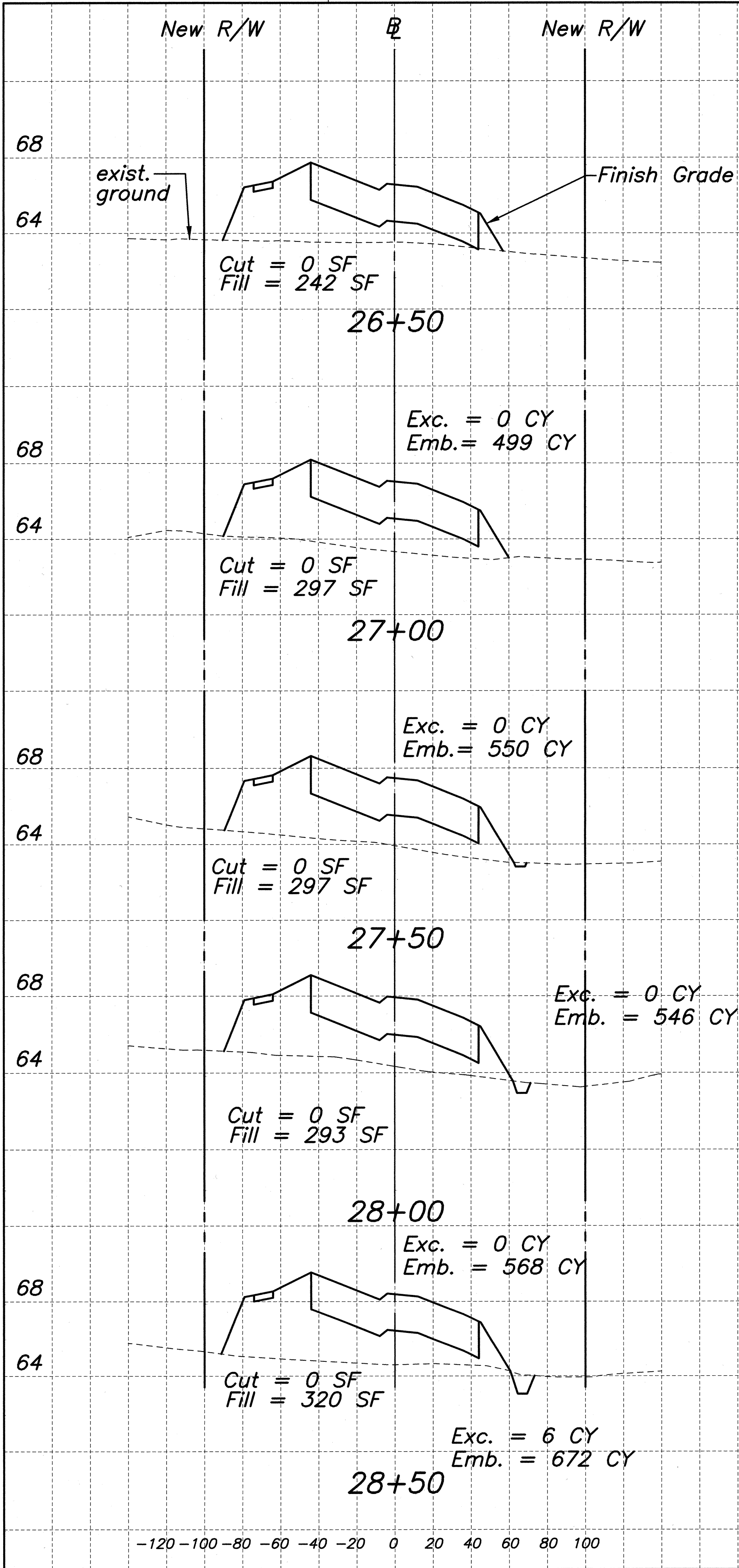
DANIEL S. MIYASATO
 LICENSED PROFESSIONAL ENGINEER
 No. 3443-C
 HAWAII, U.S.A.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

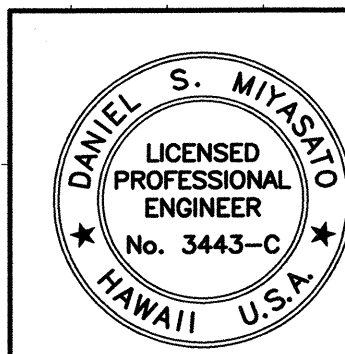
CROSS SECTIONS
 PUUNENE AVENUE WIDENING
 Kuihelani Highway to Hansen Road
 And
 MOKULELE HIGHWAY WIDENING
 Hansen Road to Vicinity of
 Cane Haul Road Crossing
 Federal - Aid Project No. NH-A311(3)
 Scale: As Noted Date: October 2001

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(3)	2002	130	159



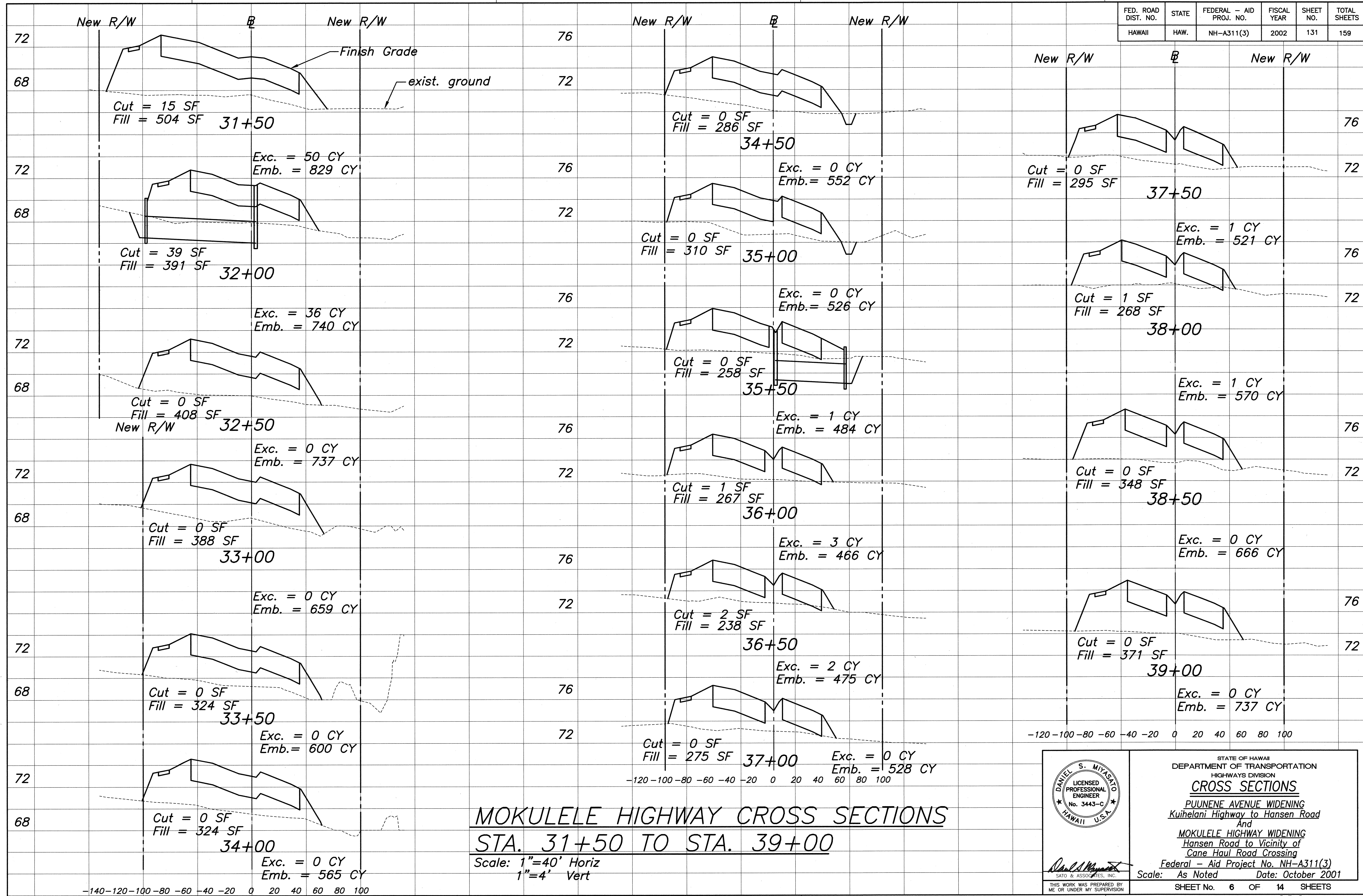
PUUNENE AVENUE CROSS SECTIONS
STA. 26+50 TO STA. 31+00
 Scale: 1"=40' Horiz
 1"=4' Vert



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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
CROSS SECTIONS
PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
And
MOKULELE HIGHWAY WIDENING
Hansen Road to Vicinity of
Cane Haul Road Crossing
 Federal - Aid Project No. NH-A311(3)
 Scale: As Noted Date: October 2001
 SHEET No. 5 OF 14 SHEETS

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



Station 39+50

Cut = 0 SF
Fill = 425 SF

Exc. = 0 CY
Emb. = 808 CY

Station 40+00

Cut = 0 SF
Fill = 448 SF

Exc. = 0 CY
Emb. = 829 CY

Station 40+50

Cut = 0 SF
Fill = 447 SF

Exc. = 0 CY
Emb. = 791 CY

Station 41+00

Cut = 0 SF
Fill = 407 SF

Exc. = 0 CY
Emb. = 735 CY

Station 41+50

Cut = 0 SF
Fill = 387 SF

Exc. = 0 CY
Emb. = 723 CY

Station 42+00

Cut = 0 SF
Fill = 394 SF

Exc. = 0 CY
Emb. = 754 CY

Station 42+50

Cut = 0 SF
Fill = 420 SF

Exc. = 0 CY
Emb. = 798 CY

Station 43+00

Cut = 0 SF
Fill = 442 SF

Exc. = 0 CY
Emb. = 849 CY

Station 43+50

Cut = 0 SF
Fill = 475 SF

Exc. = 0 CY
Emb. = 860 CY

Station 44+00

Cut = 0 SF
Fill = 453 SF

Exc. = 0 CY
Emb. = 830 CY

Station 44+50

Cut = 0 SF
Fill = 442 SF

Exc. = 0 CY
Emb. = 797 CY

Station 45+00

Cut = 0 SF
Fill = 418 SF

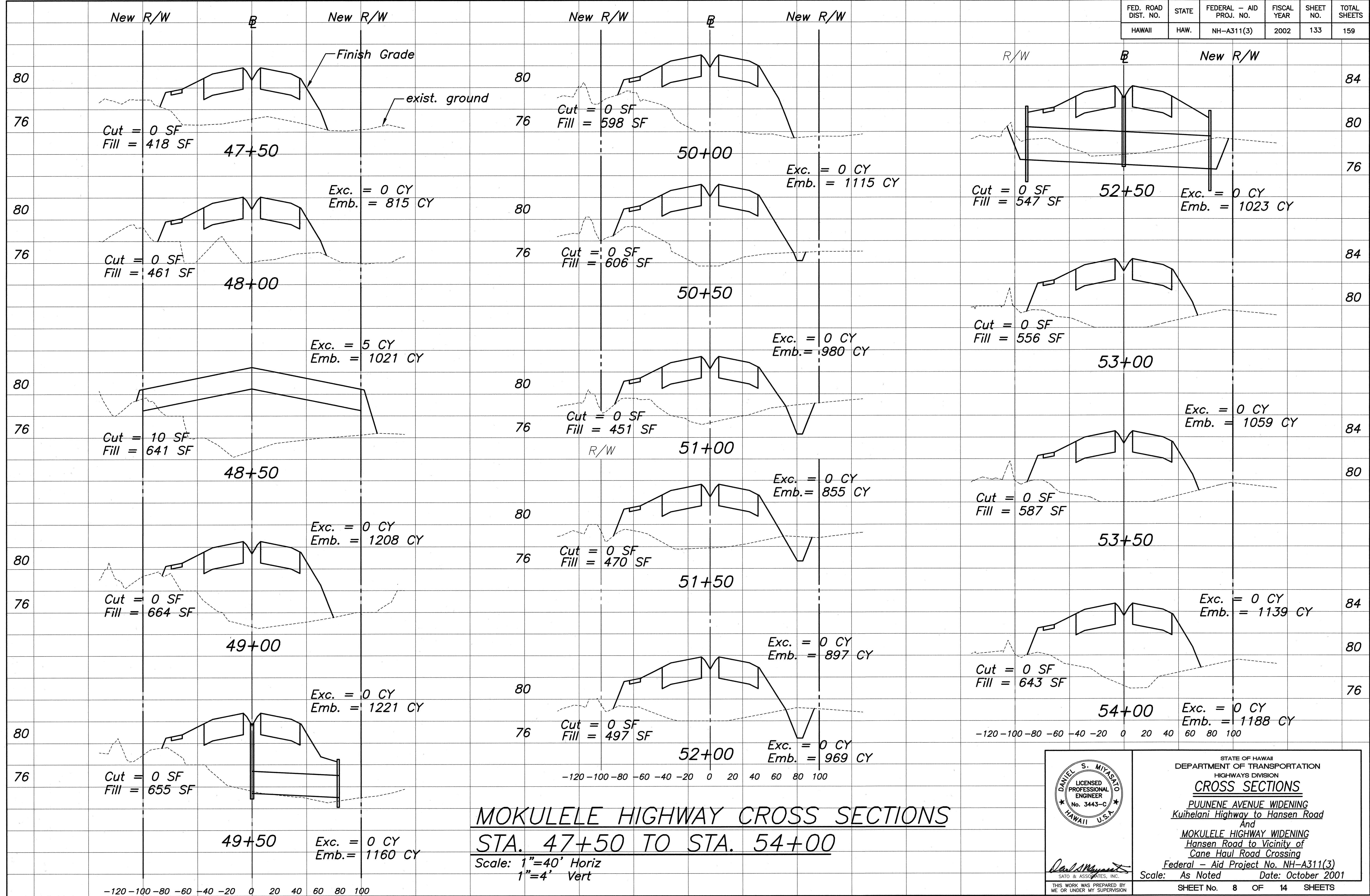
Exc. = 0 CY
Emb. = 794 CY

MOKULELE HIGHWAY CROSS SECTIONS
STA. 39+50 TO STA. 47+00
 Scale: 1"=40' Horiz
 1"=4' Vert

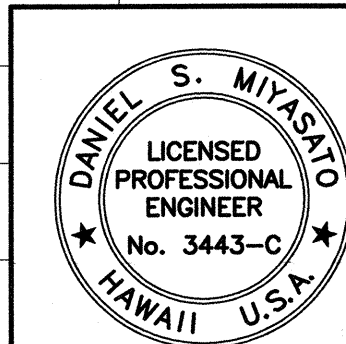
Professional Engineer Seal:
 DANIEL S. MITAS
 LICENSED PROFESSIONAL ENGINEER
 No. 3443-C
 HAWAII, U.S.A.

	STATE OF HAWAII
	DEPARTMENT OF TRANSPORTATION
	HIGHWAYS DIVISION
	<u>CROSS SECTIONS</u>
	<u>PULUNENE AVENUE WIDENING</u> <u>Kuihelani Highway to Hansen Road</u>
And	
<u>MOKULELE HIGHWAY WIDENING</u> <u>Hansen Road to Vicinity of</u> <u>Cane Haul Road Crossing</u>	
<u>Federal - Aid Project No. NH-A311(3)</u>	
Scale: As Noted Date: October 2001	
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(3)	2002	133	159

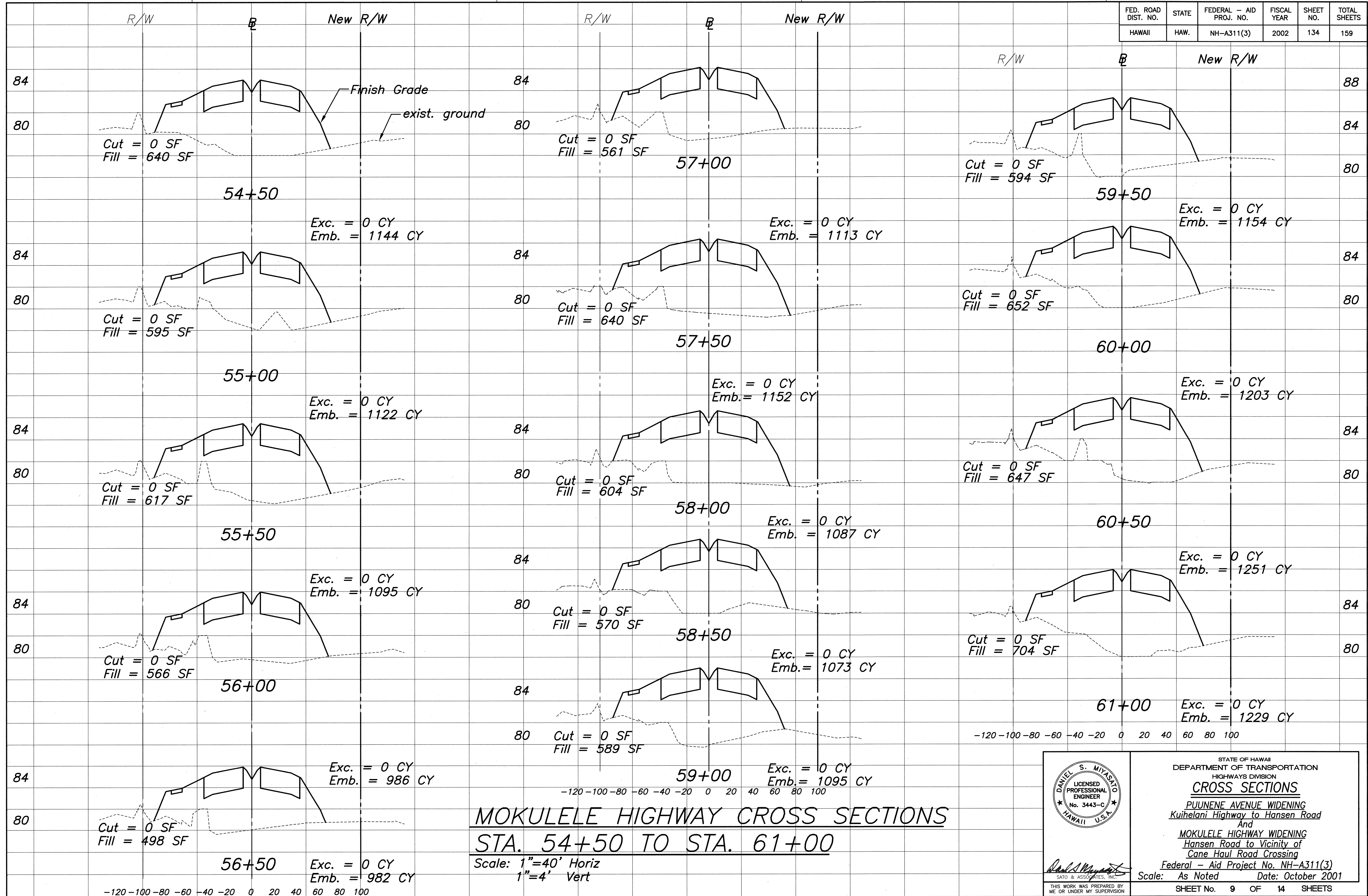


MOKULELE HIGHWAY CROSS SECTIONS STA. 47+50 TO STA. 54+00

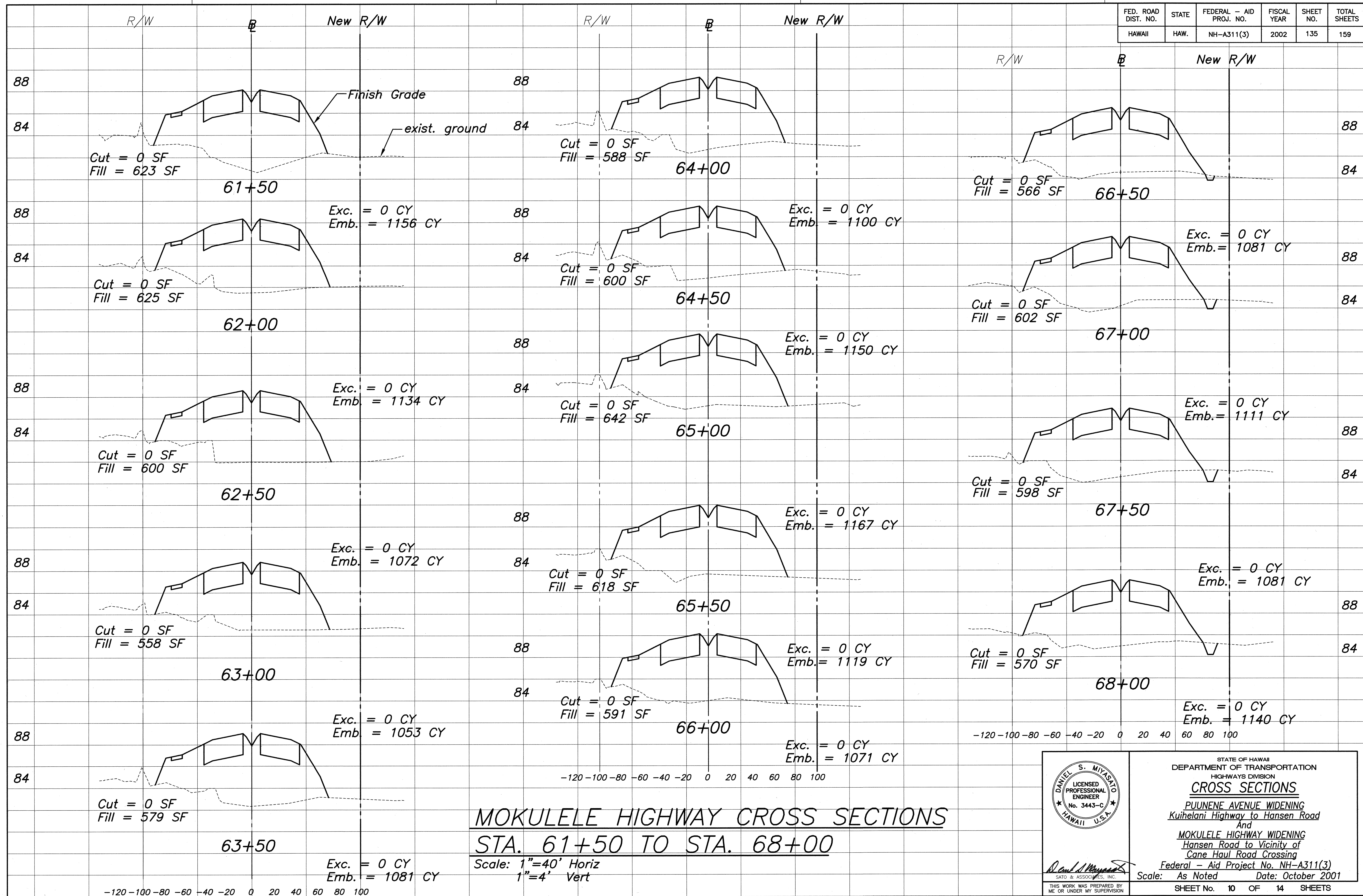


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CROSS SECTIONS
PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
And
MOKULELE HIGHWAY WIDENING
Hansen Road to Vicinity of
Cane Haul Road Crossing
Federal - Aid Project No. NH-A311(3)
Scale: As Noted Date: October 2001
SHEET No. 8 OF 14 SHEETS

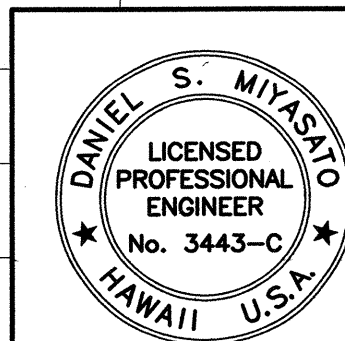
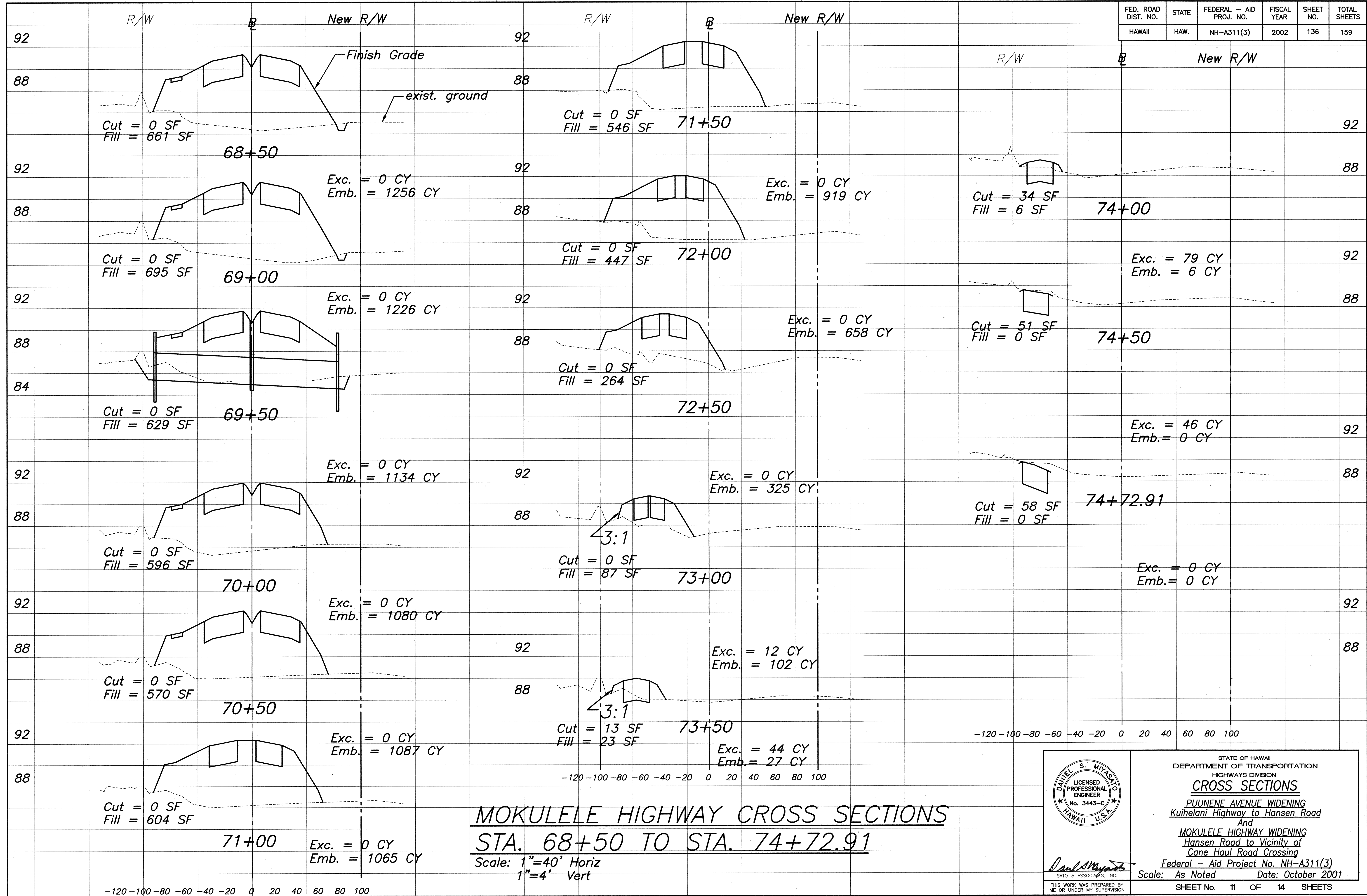
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	RECHECKED BY	
	NOTED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	
No.		



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



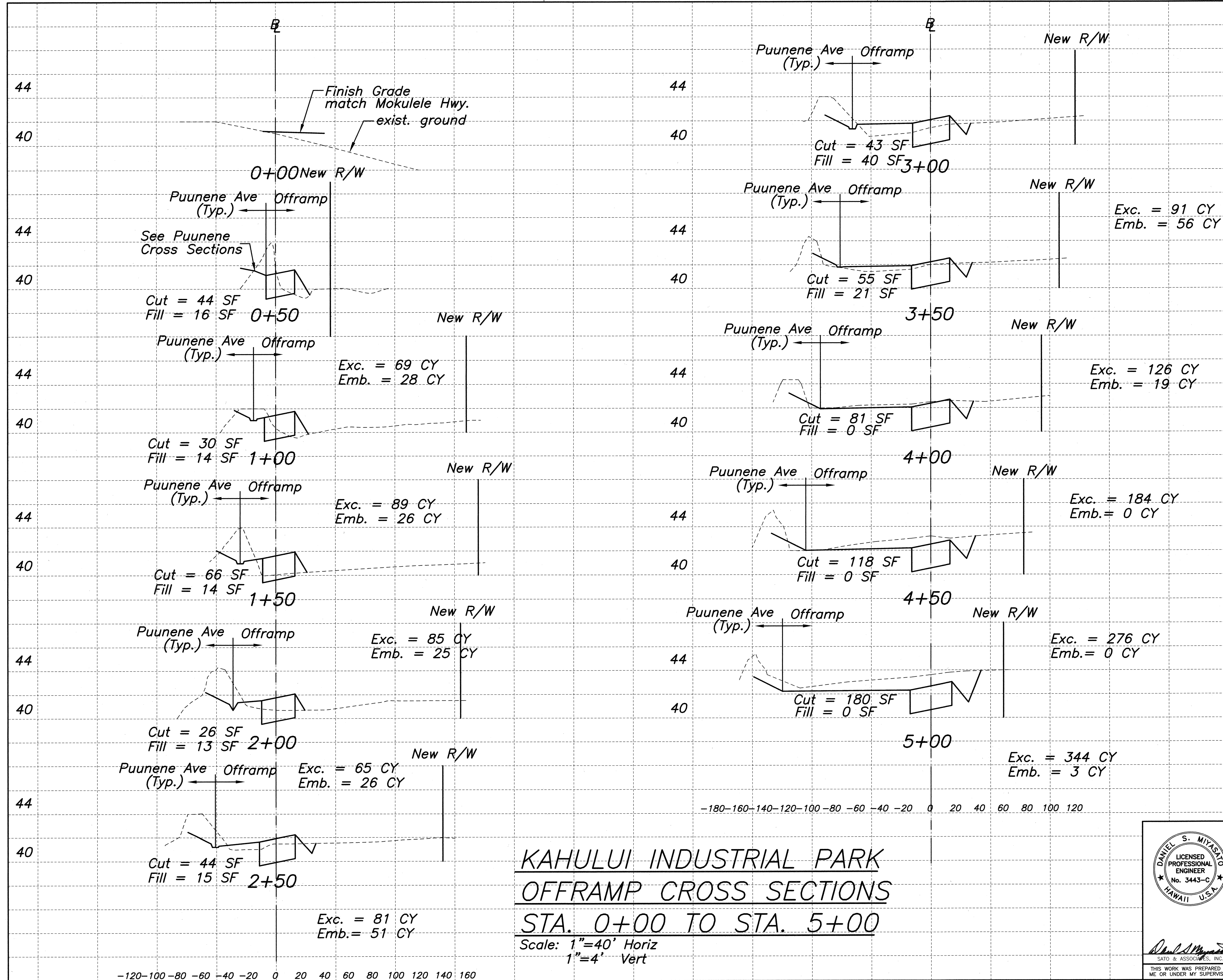
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DISSEMINATED BY	
NOTE BOOK	CHECKED BY	
	No.	



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STATE OF HAWAII
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CROSS SECTIONS
PUUNENE AVENUE WIDENING
Kuihelani Highway to Hansen Road
And
MOKULELE HIGHWAY WIDENING
Hansen Road to Vicinity of
Cane Haul Road Crossing
Federal - Aid Project No. NH-A311(3)
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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(3)	2002	137	159



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

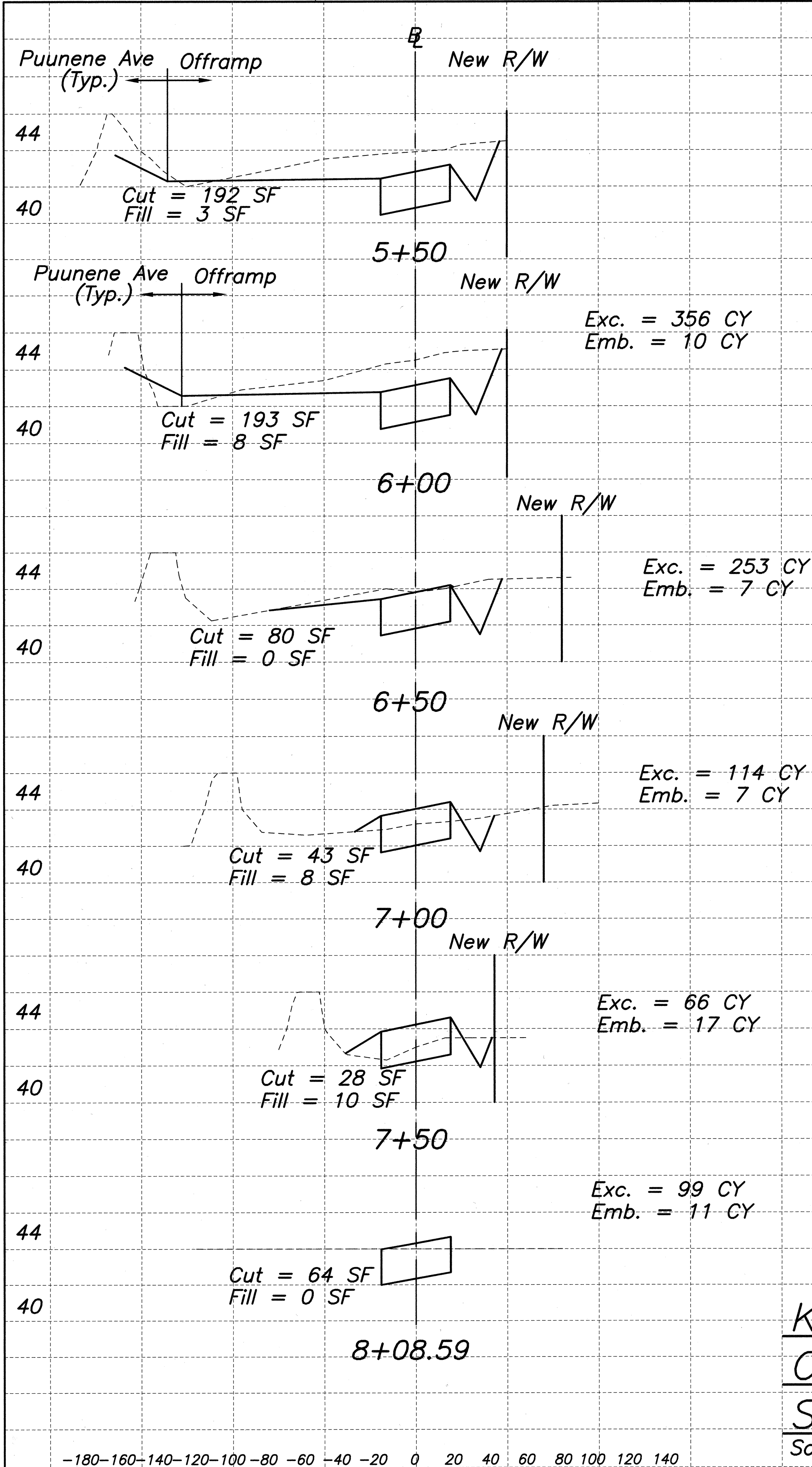
CROSS SECTIONS

PUUNENE AVENUE WIDENING
 Kuihelani Highway to Hansen Road
 And
 MOKULELE HIGHWAY WIDENING
 Hansen Road to Vicinity of
 Cane Haul Road Crossing
 Federal - Aid Project No. NH-A311(3)
 Scale: As Noted Date: October 2001

SHEET No. 12 OF 14 SHEETS

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

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	138	159



KAHULUI INDUSTRIAL PARK
OFFRAMP CROSS SECTIONS
STA. 5+50 TO STA. 8+08.59
 Scale: 1"=40' Horiz
 1"=4' Vert

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 No. 3443-C
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
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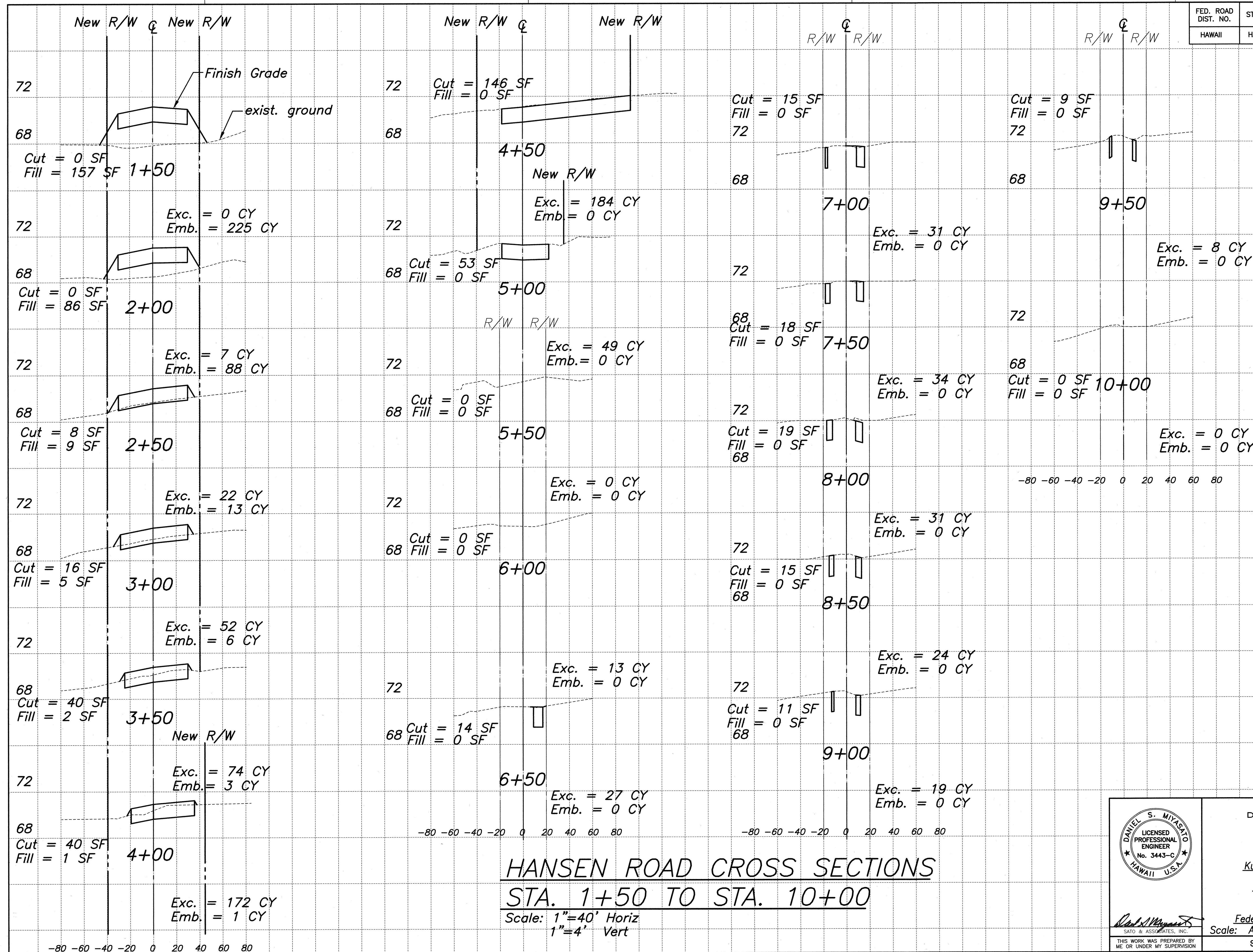
CROSS SECTIONS
 PUUNENE AVENUE WIDENING
 Kuihelani Highway to Hansen Road
 And
 MOKULELE HIGHWAY WIDENING
 Hansen Road to Vicinity of
 Cane Haul Road Crossing
 Federal - Aid Project No. NH-A311(3)

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SHEET No. 13 OF 14 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(3)	2002	139	159



DATE: _____
 SURVEY PLOTTED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 NOTE BOOK: _____
 NO. _____

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

CROSS SECTIONS

PUUNENE AVENUE WIDENING
 Kuihelani Highway to Hansen Road
 And
 MOKULELE HIGHWAY WIDENING
 Hansen Road to Vicinity of
 Cane Haul Road Crossing

Federal - Aid Project No. NH-A311(3)
 Scale: As Noted Date: October 2001

SHEET No. 14 OF 14 SHEETS

DANIEL S. MIYASATO
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Daniel S. Miyasato
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