

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	22	75

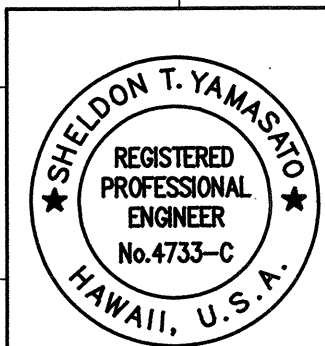
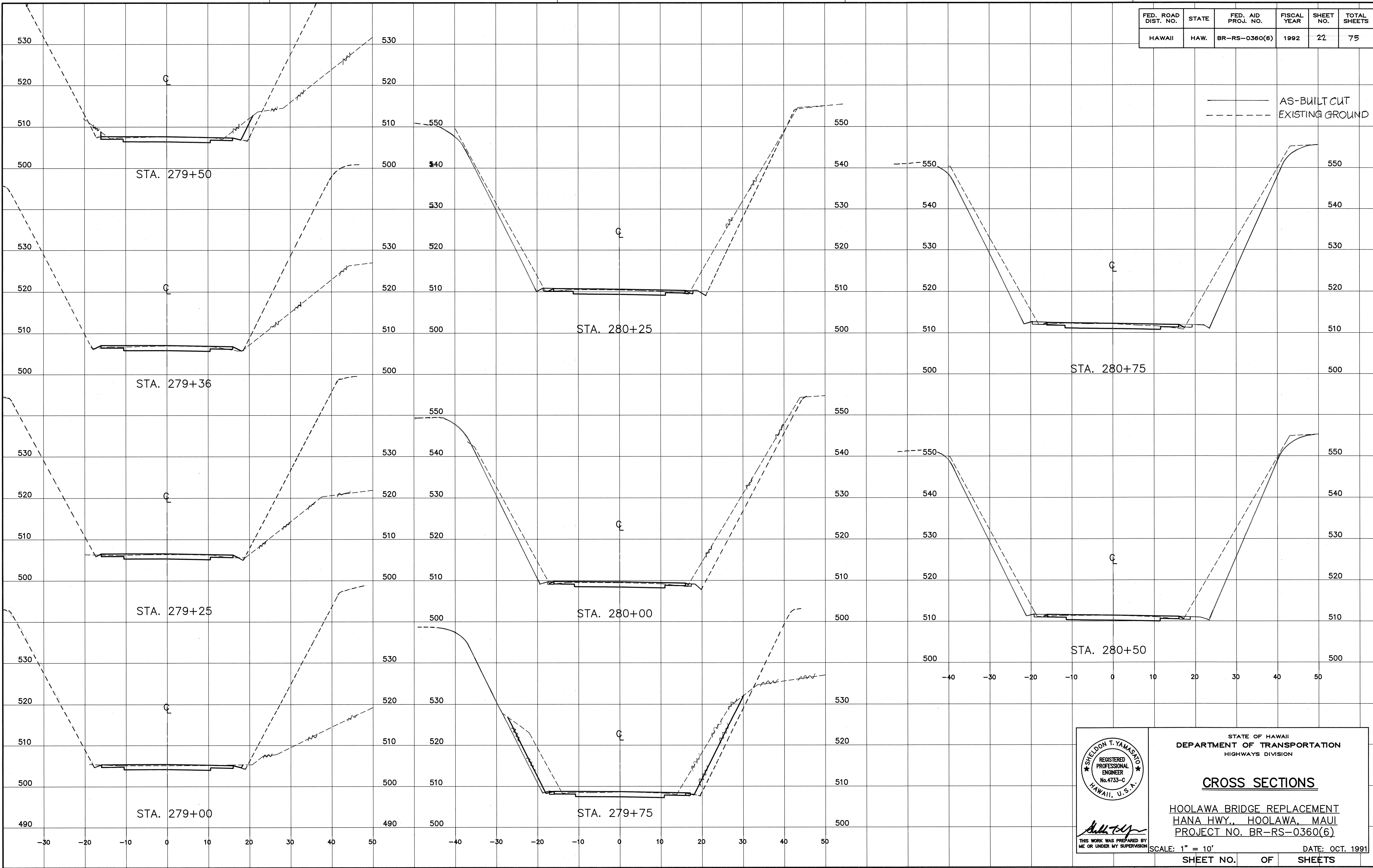
———— AS-BUILT CUT
----- EXISTING GROUND

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: sty
OPR: jsk,sty,tml,dhy,*CKM
REVISED: 10/12/91

FILE: htm0433
SCALE: 1"=10'
BEG: 6/21/90

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



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

SCALE: 1" = 10'

DATE: OCT. 1991

SHEET NO. OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	23	75

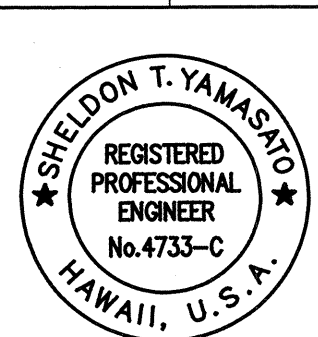
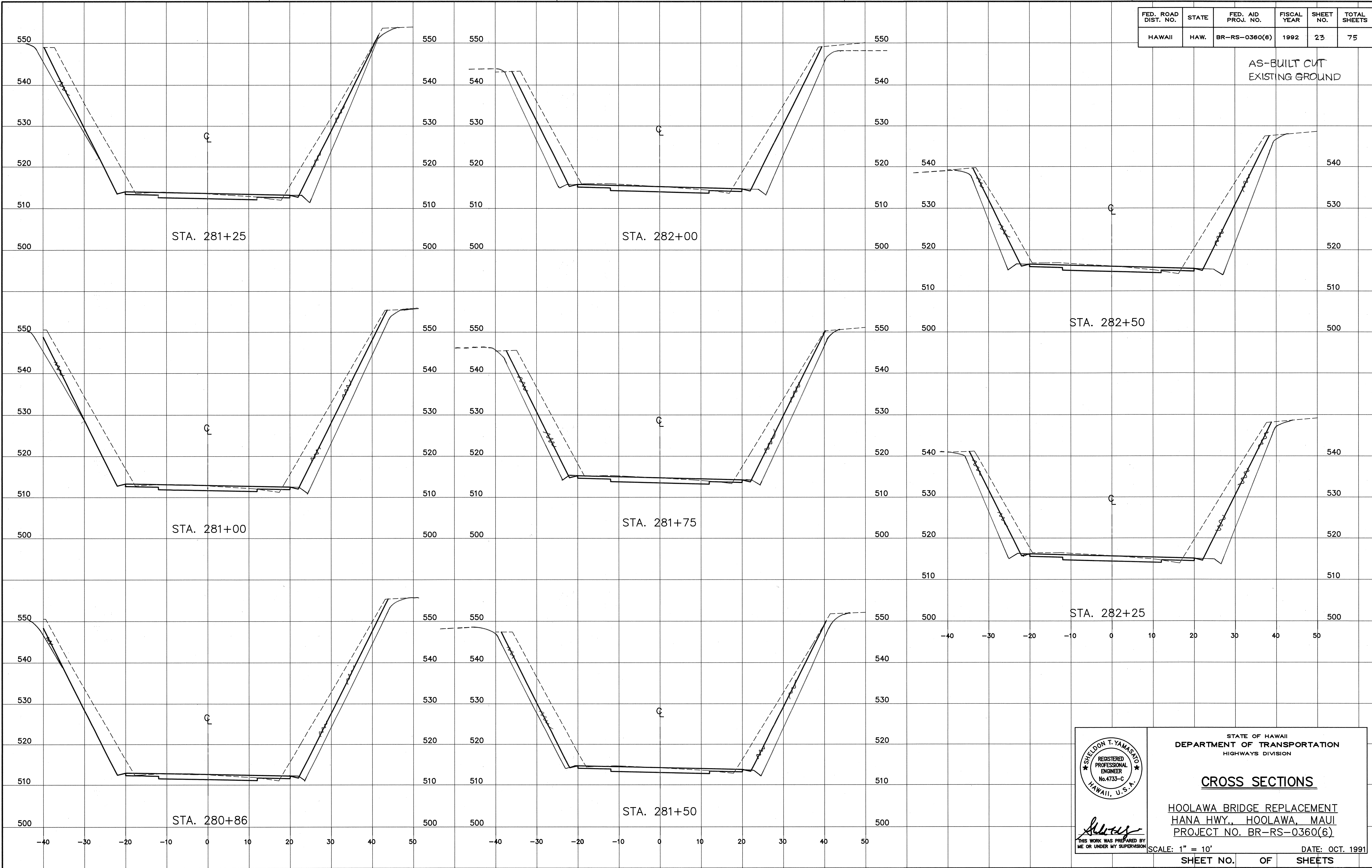
AS-BUILT CUT
EXISTING GROUND

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: sty
OPR: jsk,sty,tml,dhy,*CKM
REVISED: 10/12/91

FILE: htm0434
SCALE: 1"=10'
BEG: 6/27/90

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



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

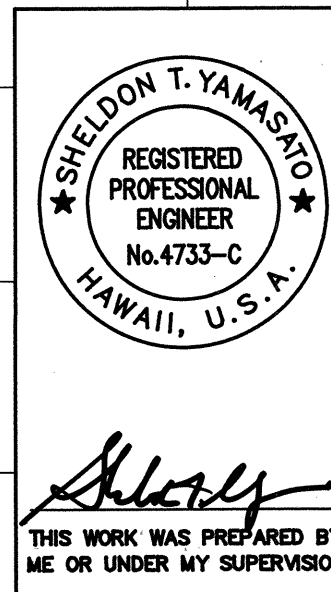
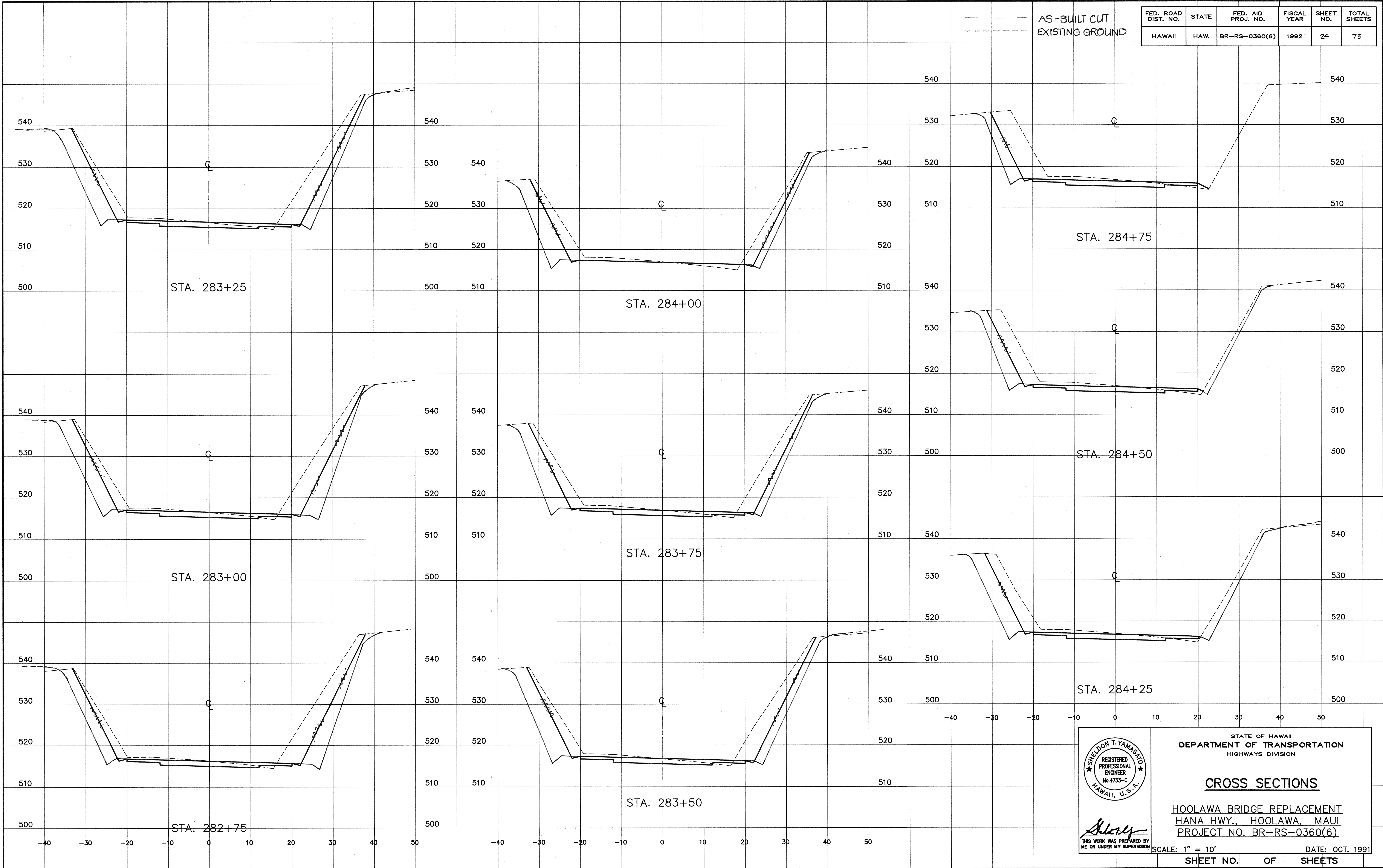
SCALE: 1" = 10' DATE: OCT. 1991
SHEET NO. OF SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____

FILE: htm0435
SCALE: 1"=10'
BEG: 6/27/90

PM: sty
OPR: jsk:sty:tml:dhy:*CKM
REVISED: 10/12/91

WORKSHEET:
REVIEWED BY:
REVIEWED BY:



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

SCALE: 1" = 10' DATE: OCT. 1991
SHEET NO. OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	25	75

AS-BUILT CUT
EXISTING GROUND and FINISHED SHOULDER

STA. 285+75

STA. 286+50

STA. 287+00

STA. 285+50

STA. 286+25

STA. 286+75

STA. 285+25

STA. 286+10

STA. 285+00

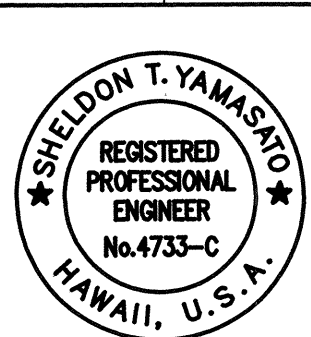
STA. 286+00

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

FILE: htm0436
SCALE: 1"=10'
BEG: 6/27/90

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: sty
OPR: jsk
REVISED: 10/12/91



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

SCALE: 1" = 10'
SHEET NO. OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	26	75

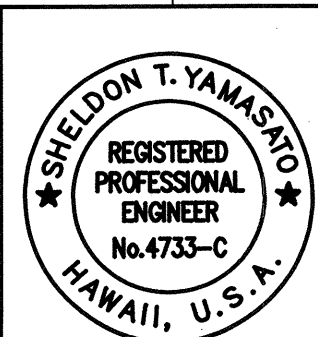
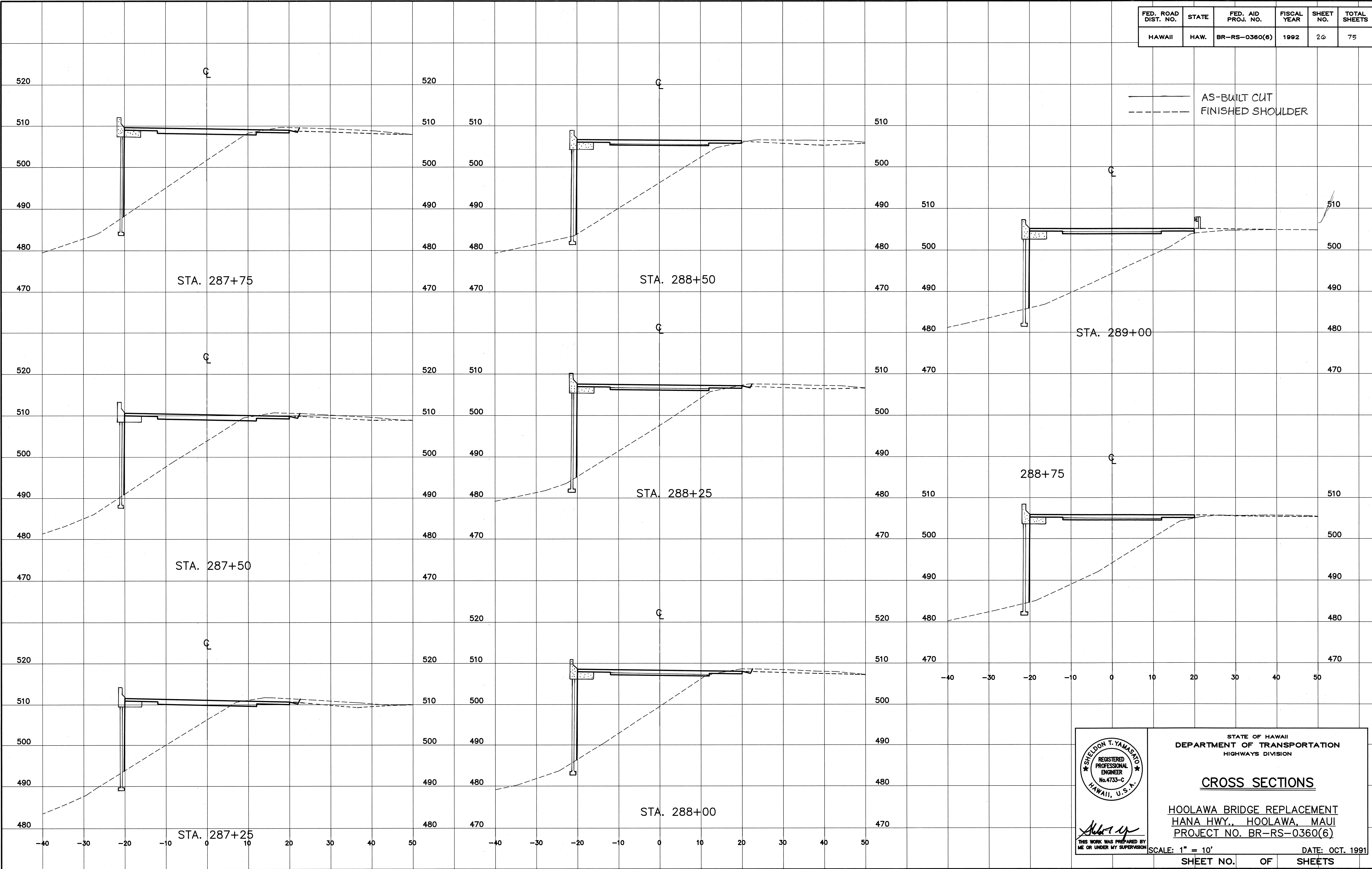
AS-BUILT CUT
FINISHED SHOULDER

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: sty
OPR: jsk
REVISED: 10/12/91

FILE: htm0437
SCALE: 1"=10'
BEG: 6/27/90

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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

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SCALE: 1" = 10' DATE: OCT. 1991
SHEET NO. OF SHEETS

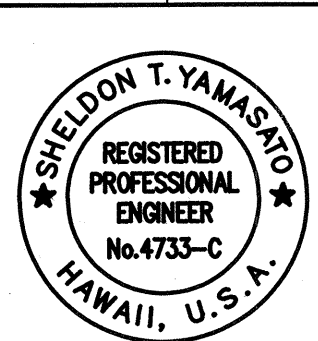
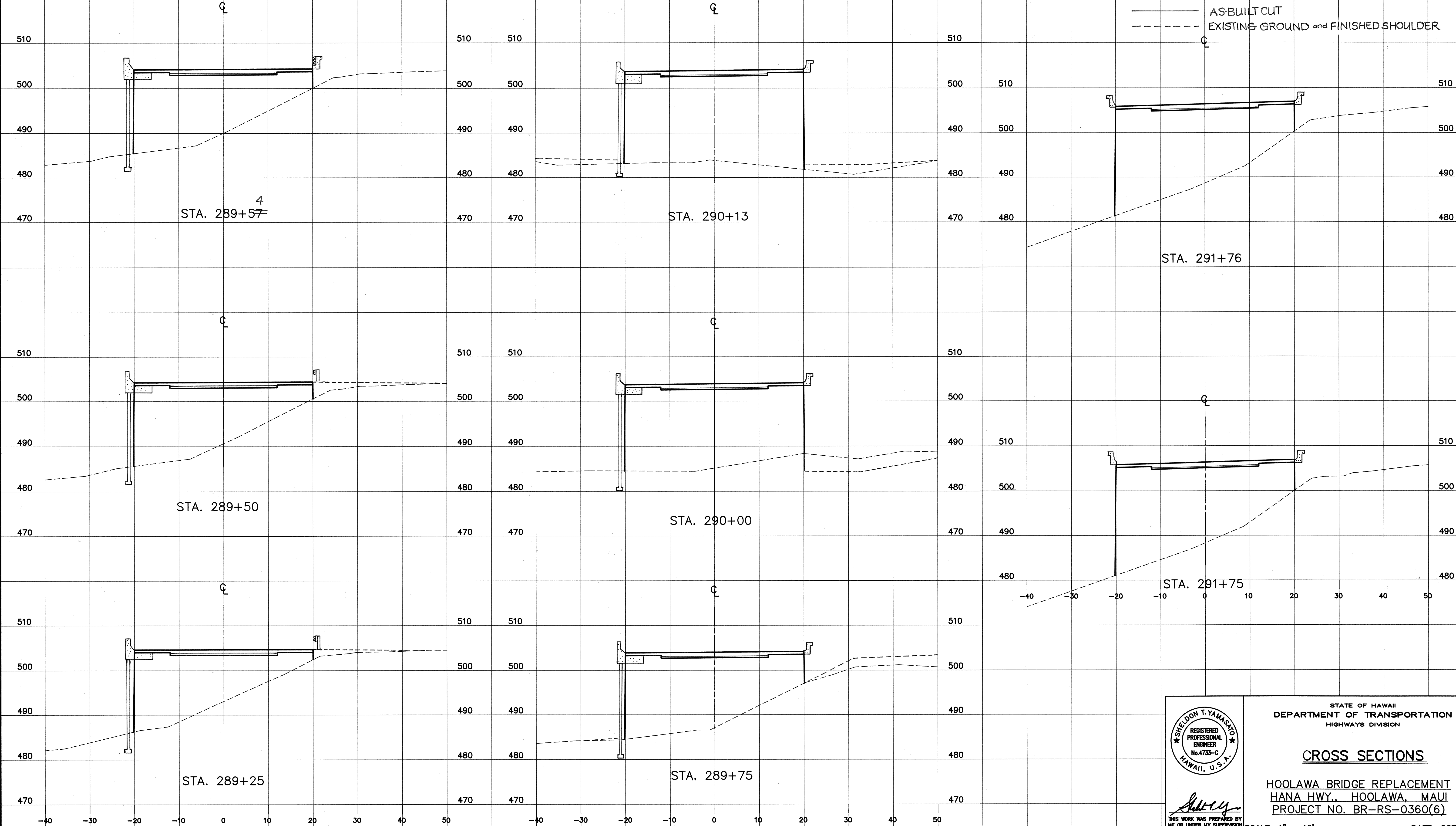
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	27	75

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: sty
OPR: jsk&sty;tml.dhy*CKM
REVISED: 10/12/91

FILE: htm0438
SCALE: 1"=10'
BEG: 6/27/90

APPROVAL PLAN	DATE	DESIGNED BY	____
		DRAWN BY	____
		CHECKED BY	____
		NOTED BY	____
NO.			



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

SCALE: 1" = 10' DATE: OCT. 1991
SHEET NO. OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	29	75

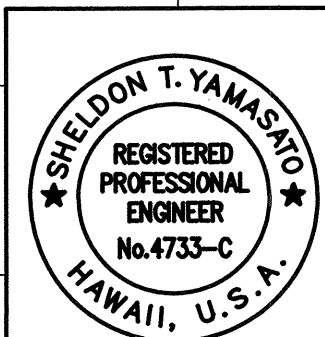
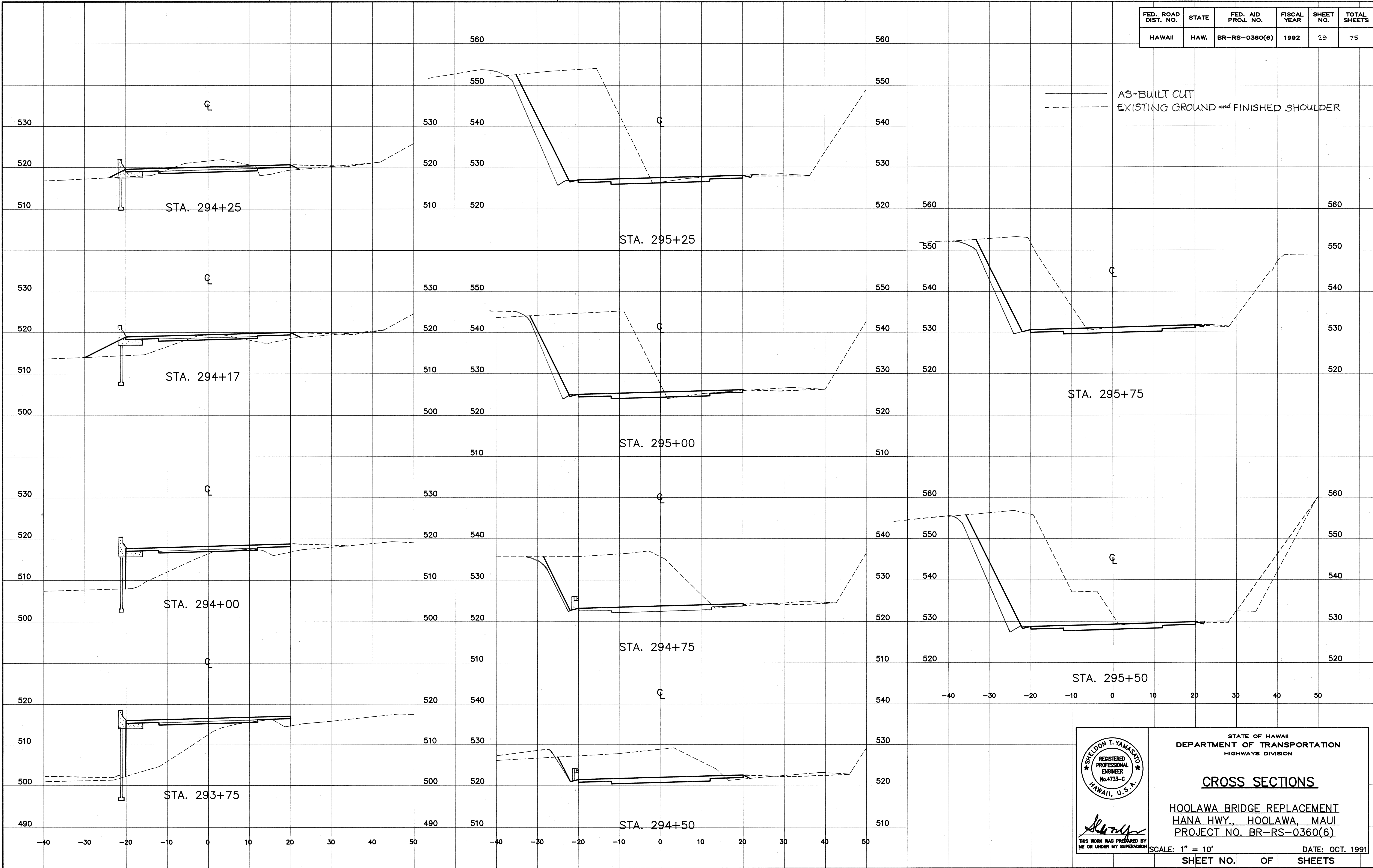
AS-BUILT CUT
EXISTING GROUND and FINISHED SHOULDER

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: sty
OPR: jsk
REVISED: 10/12/91

FILE: htm0440
SCALE: 1"=10'
BEG: 6/27/90

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



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ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

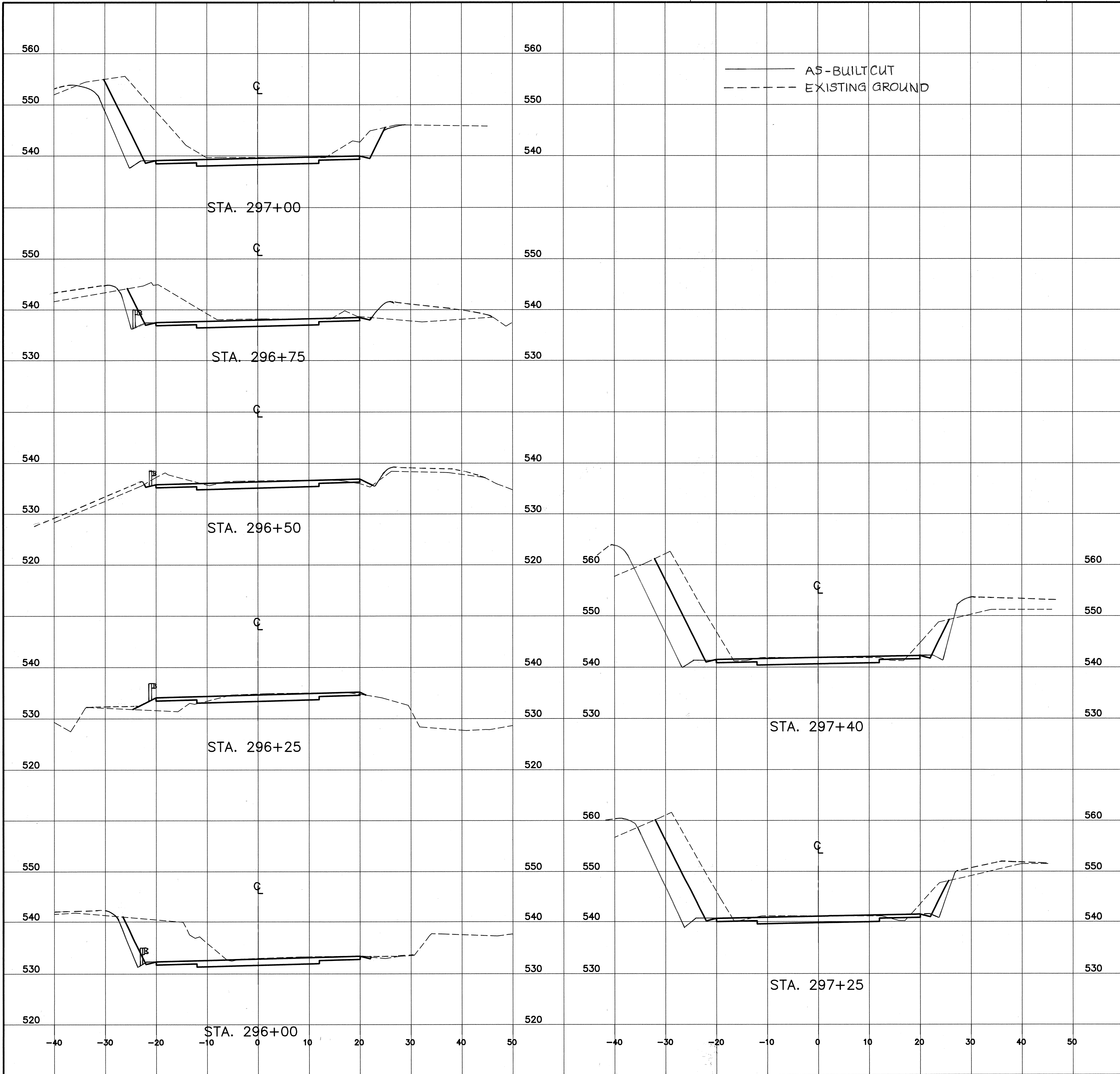
SCALE: 1" = 10' DATE: OCT. 1991
SHEET NO. OF SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTEBOOK	_____
No.	_____

FILE: htm0441
SCALE: 1"=10'
BEG: 6/21/90

PM: sty
OPR: jsk
REVIEWED BY: jsk
REVIEWED BY: jsk
REVIEWED BY: jsk

WORKSHEET:
REVIEWED BY:
REVIEWED BY:

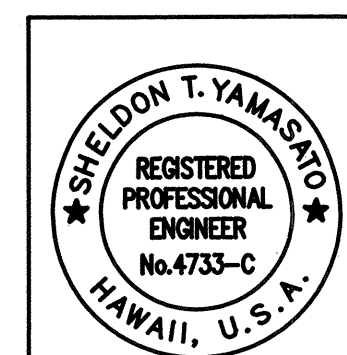


STATION	CUT AREA SY	FILL AREA SY	CUT VOLUME CY	FILL VOLUME CY
279+00	4.2	0.0	32.8	0
279+25	3.7	0.0	14	0
279+36.39	3.7	0.0	21.3	0
279+50	5.7	0.0	100.2	0
279+75	18.3	0.0	90.6	0
280+00	3.4	0.0	29.1	0
280+25	3.6	0.0	31.3	0
280+50	3.9	0.0	31.2	0
280+75	3.6	0.0	61.1	0
280+86.39	28.6	0.0	129.2	0
281+00	28.3	0.0	223.8	0
281+25	25.4	0.0	209.4	0
281+50	24.9	0.0	207.8	0
281+75	25.0	0.0	205.6	0
282+00	24.4	0.0	198.8	0
282+25	23.4	0.0	191.5	0
282+50	22.6	0.0	187.3	0.1
282+75	22.4	0.0	183	0.1
283+00	21.6	0.0	178.7	0.1
283+25	21.3	0.0	173.7	0.1
283+50	20.4	0.0	167.3	0.1
283+75	19.8	0.0	153.8	0.1
284+00	17.1	0.0	125.3	0.1
284+25	13.0	0.0	112.4	0.1
284+50	14.0	0.0	127.9	0.1
284+75	16.7	0.0	142.2	0.1
285+00	17.5	0.0	147	0
285+25	17.8	0.0	148.9	0
285+50	17.9	0.0	136.9	0
285+75	14.9	0.0	98.2	0
286+00	8.6	0.0	26	0.8
286+10	7.0	0.5	34.4	11.6
286+25	6.8	4.1	53.7	53.7
286+50	6.1	8.8	45.8	93.8
286+75	4.9	13.8	36.7	135.7
287+00	3.9	18.8	29.7	176.6
287+25	3.2	23.6	23.8	215.4
287+50	2.5	28.1	18.5	253.9
287+75	2.0	32.8	14.2	289.1
288+00	1.5	36.6	9.7	315.5
288+25	0.9	39.1	4.4	335.9
288+50	0.2	41.5	1.1	356.9
288+75	0.1	44.2	0.3	360.8
289+00	0.0	42.4	0	364.9
289+25	0.0	45.2	0	403.3
289+50	0.0	51.6	0	122.4
289+75	0.0	53.3	0	345.6
290+00	0.0	61.9	0	573.9
290+16	0.0	75.8	0	353.4
290+16	0.0	87.3	0	353.4
HOOLAWA BRIDGE STRUCTURE				
291+76	0.0	70.6	0	165.9
291+83.44	0.0	63.1	0	306.5
292+00	0.0	47.9	101	370.4
292+25	0.3	41.0	4.3	303.8
292+50	0.8	31.9	8.8	233.8
292+75	1.3	24.2	12.7	177.6
293+00	1.7	18.4	14.8	113
293+25	1.8	8.7	7.6	161.6
293+50	0.0	30.1	1	209
293+75	0.2	20.1	1.8	130.5
294+00	0.2	11.2	4.3	50.6
294+17	1.3	6.6	9	10.4
294+25	5.4	1.2	145	5
294+50	29.4	0.0	329.3	0
294+75	49.7	0.0	434.6	0.3
295+00	54.7	0.1	494.3	0.3
295+25	64.0	0.0	524.8	0
295+50	62.0	0.0	430.2	0
295+75	41.3	0.0	247.9	0
296+00	18.2	0.0	94.1	5.5
296+25	4.4	1.3	48.5	5.7
296+50	7.3	0.0	95	0.1
296+75	15.5	0.0	162.5	0
297+00	23.5	0.0	172.8	0
297+25	18.0	0.0	87.6	0
297+39.50	18.3	0.0		
			7591	7014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-RS-0360(6)	1992	30	75

EARTHWORK SUMMARY

EXCAVATION	7591 CY
EMBANKMENT	7014 CY
HORIZONTAL SURFACE	2 ACRES



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTIONS

HOOLAWA BRIDGE REPLACEMENT
HANA HWY., HOOLAWA, MAUI
PROJECT NO. BR-RS-0360(6)

THIS WORK WAS PREPARED BY
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SCALE: 1" = 10'
DATE: OCT. 1991
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