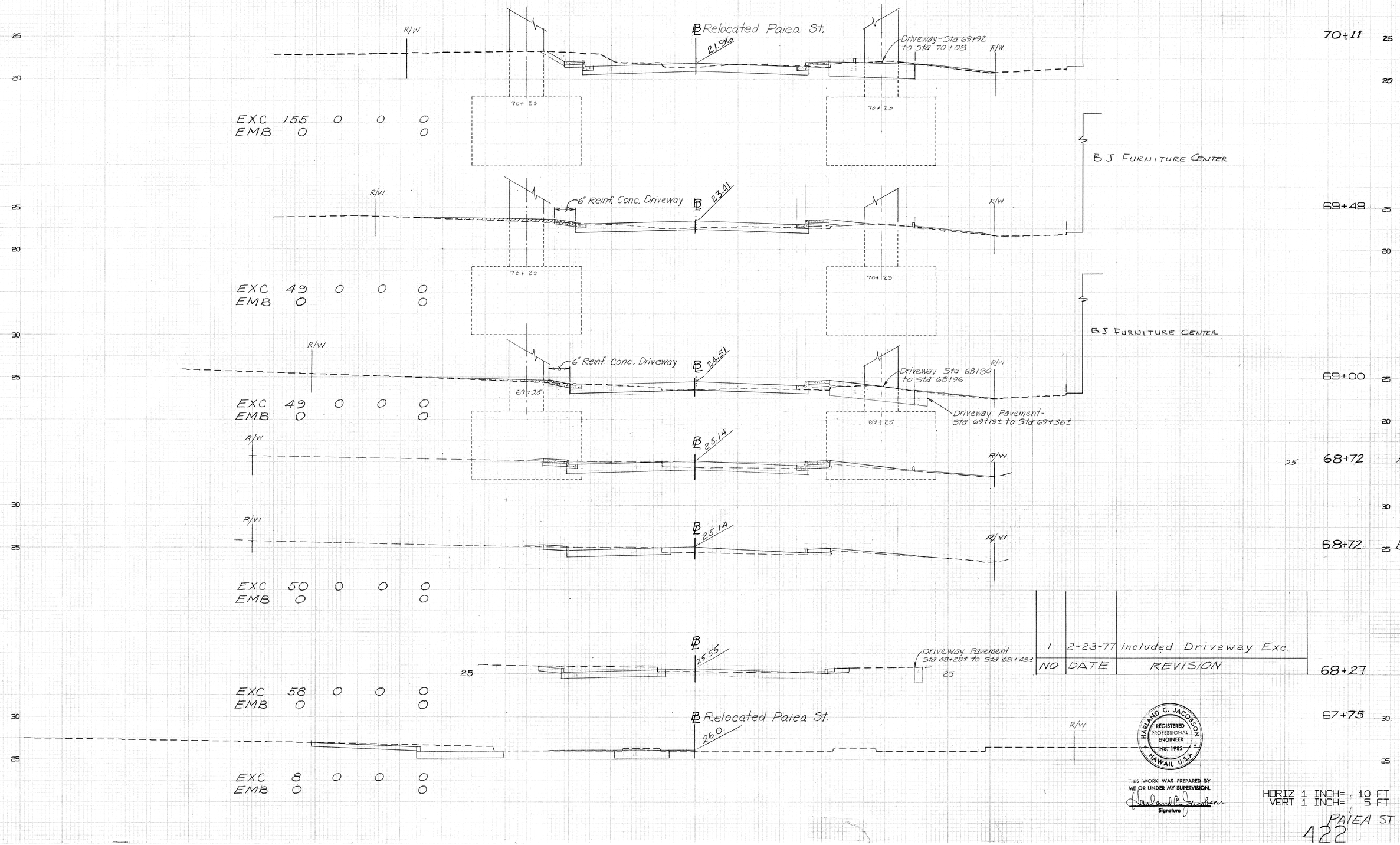
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(123)16	1976	422	444

Road Culvert CRM Channel



NO	DATE	REVISION
1	2-23-77	Included Driveway Exc.

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

PAIEA ST 1/5

422

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123):16	1976	423	494

Road Culvert CRM Channel

ALLEY

R/W

℄ Relocated Paiea St.

18.33

Driveway - Sta 72+59 to Sta 72+77

6" Reinf. Conc. Driveway

Driveway - Sta 72+37 to Sta 72+67

73+12

73+12

72+58

15

EXC 74 0 0 0
EMB 0 0

BITCO BLDG.

20

R/W

18.70

72+22

72+22

72+00

15

EXC 65 0 0 0
EMB 0 0

20

R/W

19.23

72+22

72+22

71+48

15

EXC 157 0 0 0
EMB 0 0

20

R/W

20.05

71+32

71+32

71+01

15

EXC 200 0 0 0
EMB 0 0

KOAPAKA ST.

KOAPAKA ST.

20

R/W

℄ Relocated Paiea St.

20.87

70+29

70+29

70+60

15

EXC 170 0 0 0
EMB 0 0

NO	DATE	REVISION
1	2-23-77	Included Driveway Exc.

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

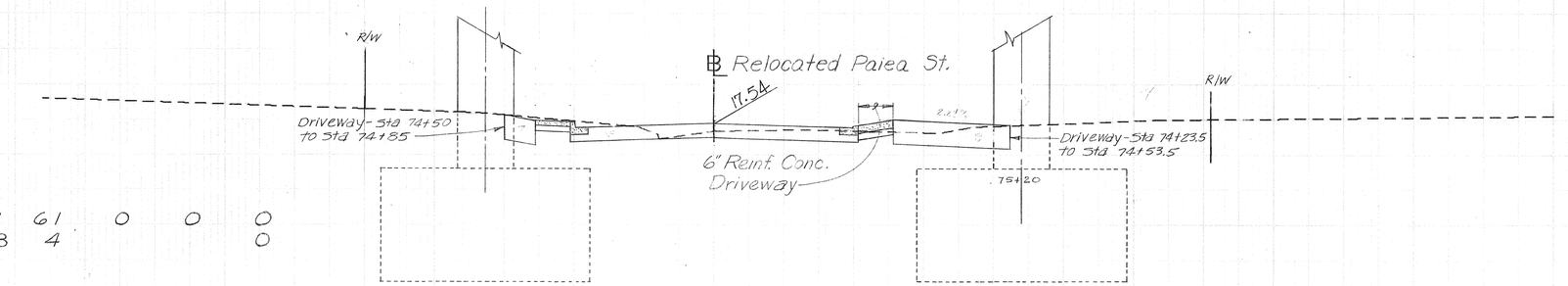
HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

PAIEA ST. 2/5

423

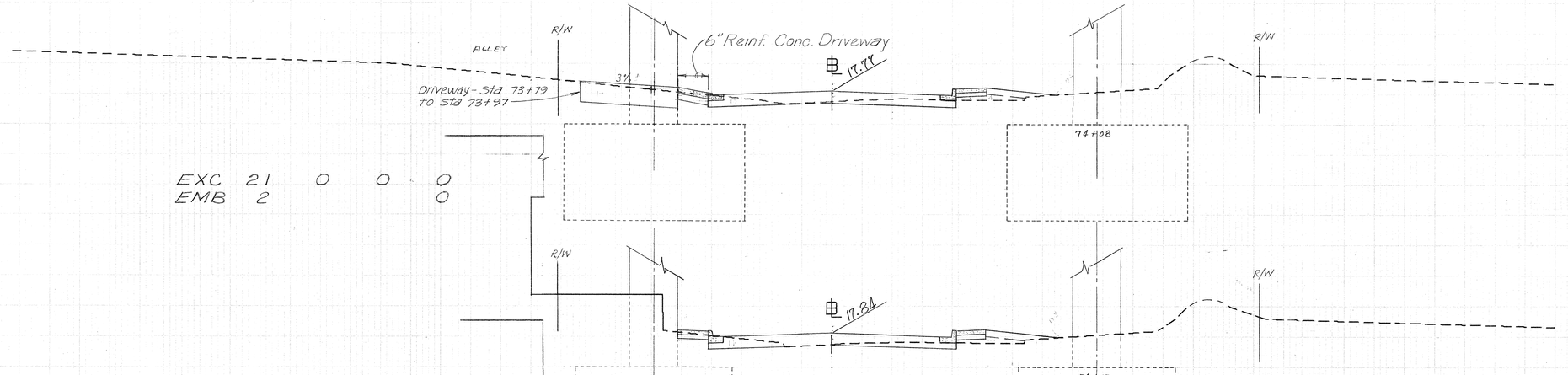
FED. AID PROJ. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-1(123):16	1976	429	444

Road Culvert CRM Channel



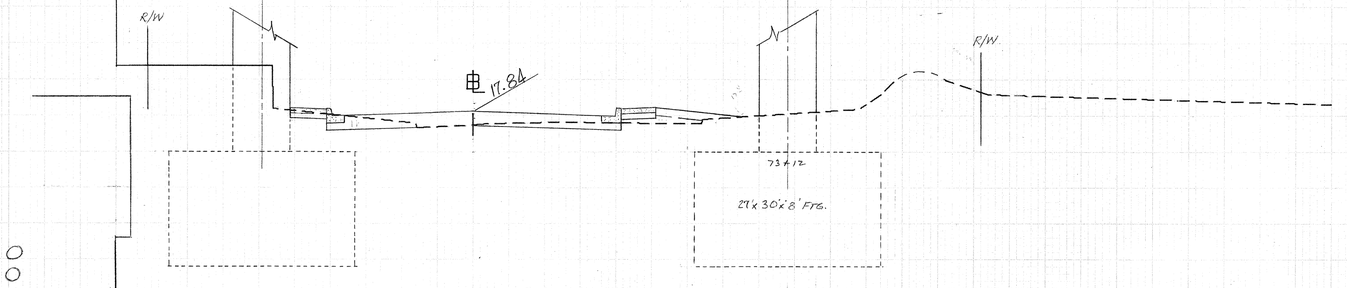
74+39

EXC 61 0 0 0
EMB 4 0



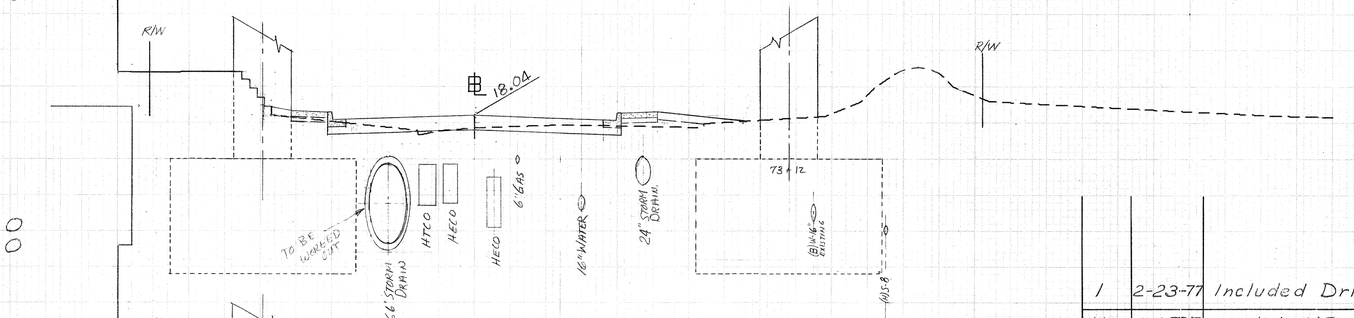
73+86

EXC 21 0 0 0
EMB 2 0



73+71

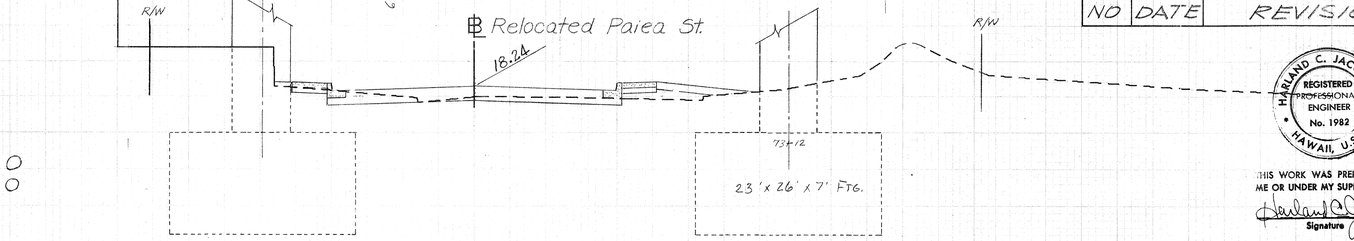
EXC 25 0 0 0
EMB 7 0



73+25

EXC 30 0 0 0
EMB 8 0

NO	DATE	REVISION
1	2-23-77	Included Driveway Exc.



72+79

EXC 18 0 0 0
EMB 2 0

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Signature

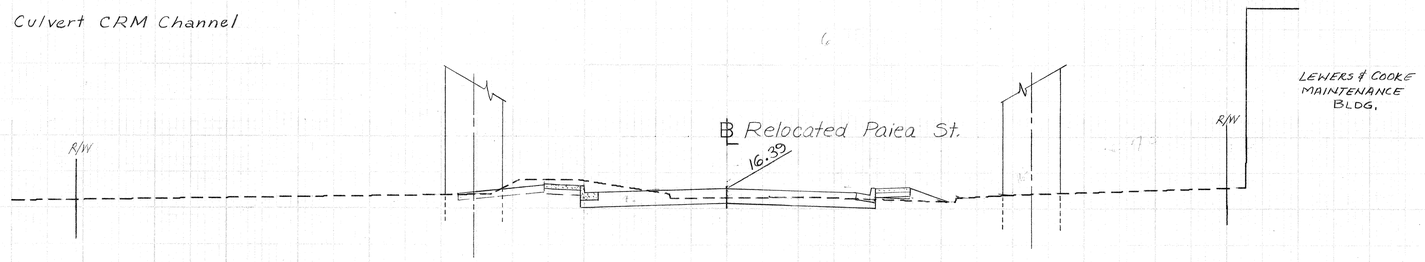
HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

PAIEA ST. 3/5

424

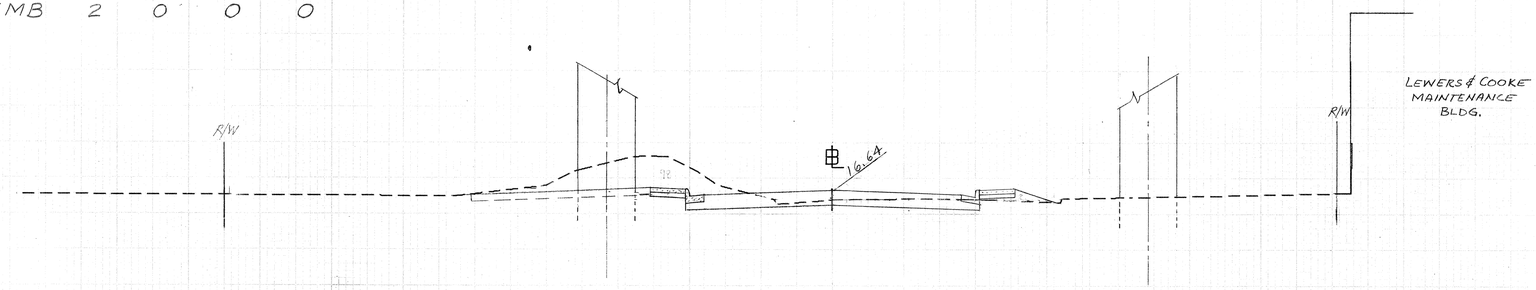
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-X(123)46	1976	425	444

Road Culvert CRM Channel



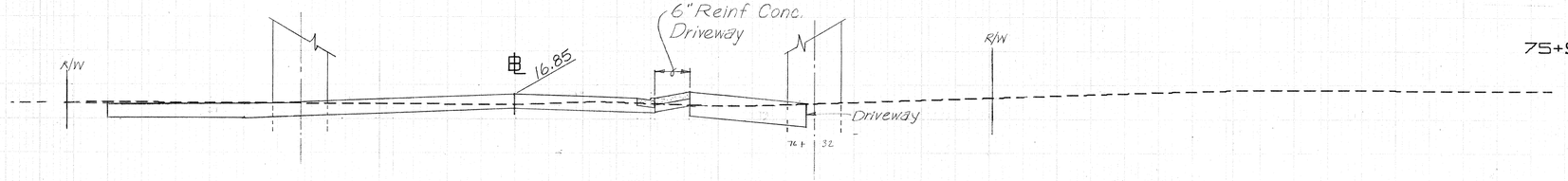
77+00

EXC 150 0 0 0
EMB 2 0 0 0



76+42

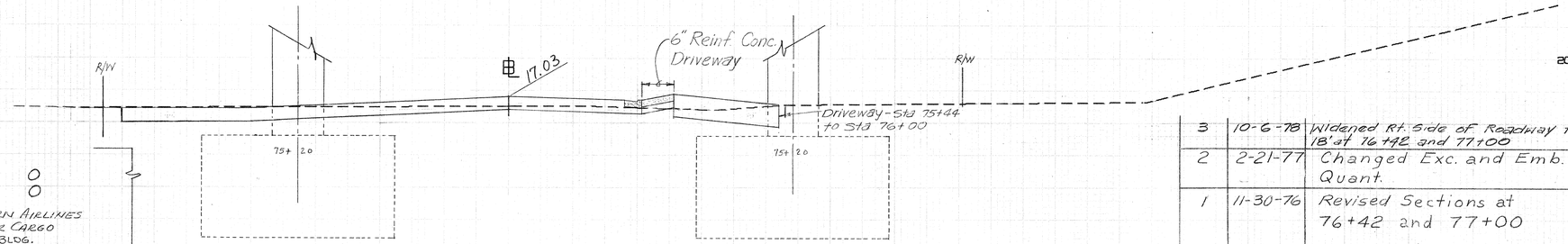
EXC 144 0 0 0
EMB 0 0 0 0



75+95

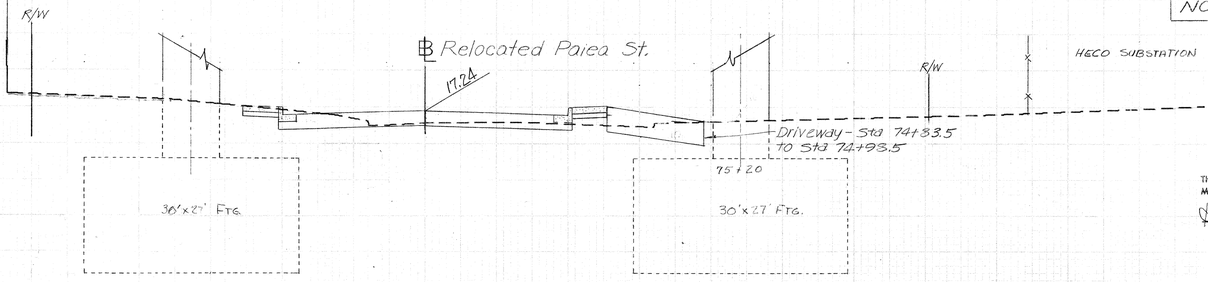
EXC 133 0 0 0
EMB 0 0 0 0

75+54



EXC 71 0 0 0
EMB 0 0 0 0

WESTERN AIRLINES AIR CARGO BLDG.



75+06

EXC 61 0 0 0
EMB 0 0 0 0

NO.	DATE	REVISION
3	10-6-78	Widened Rt. Side of Roadway to 18' at 76+42 and 77+00
2	2-21-77	Changed Exc. and Emb. Quant.
1	11-30-76	Revised Sections at 76+42 and 77+00

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Harland C. Jacobson
Signature

HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

PAIEA ST. 4/5

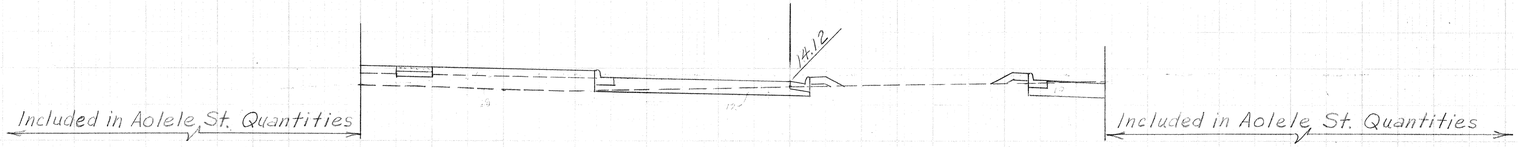
COADD 425

FED. HWY. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOT. SHTS.
HAWAII	HAW.	I-HI-1(123)16	1976	426	444

Road Culvert CRM Channel

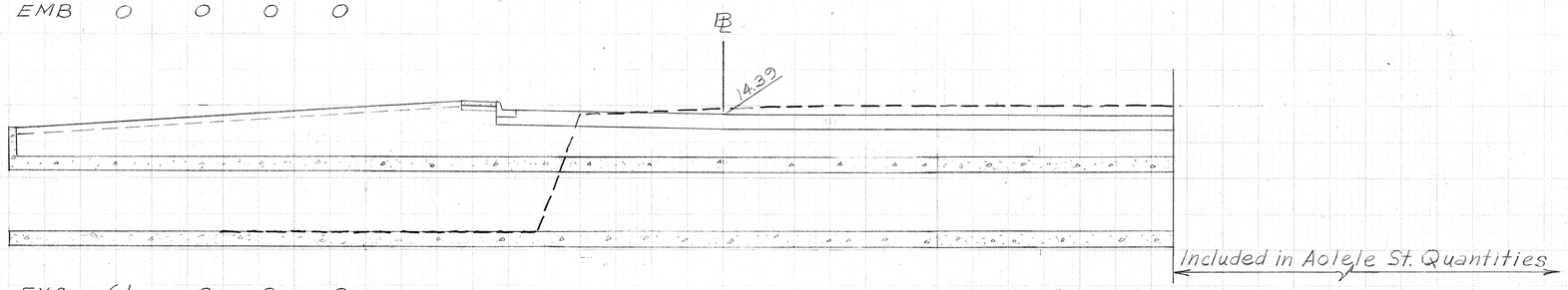
℄ Relocated Paiea St.

80+00



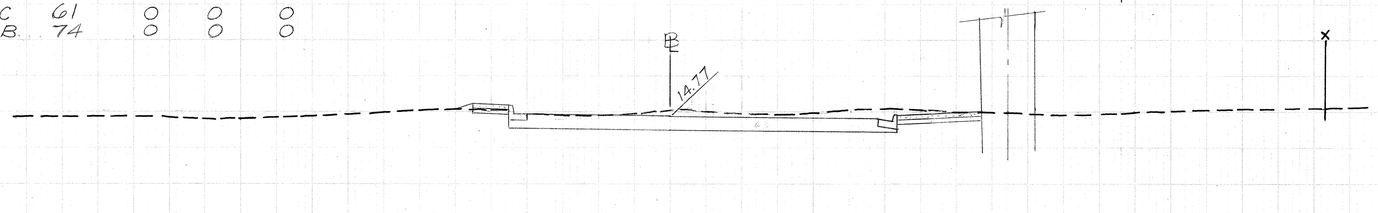
EXC 0 0 0 0
EMB 0 0 0 0

78+93



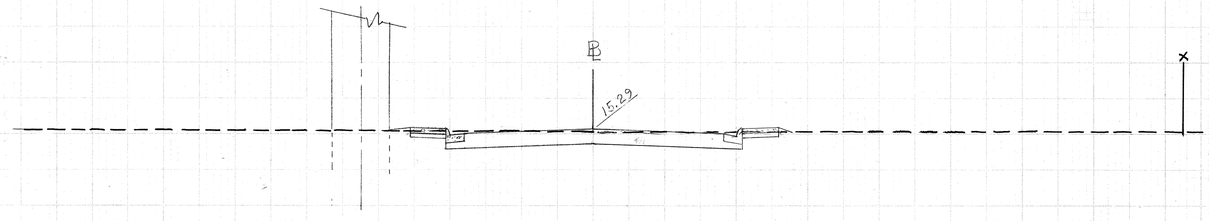
EXC 61 0 0 0
EMB 74 0 0 0

78+75



EXC 52 0 0 0
EMB 0 0 0 0

78+48



EXC 128 0 0 0
EMB 4 0 0 0



EXC 270 0 0 0
EMB 13 0 0 0

78+00

NO.	DATE	REVISIONS
3	10-6-78	Revised Sections @ 78+48 and 78+00. Added New Sections @ 78+75, 78+93, 80+00
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	Revised Section at 78+00 Added Four New Sections

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

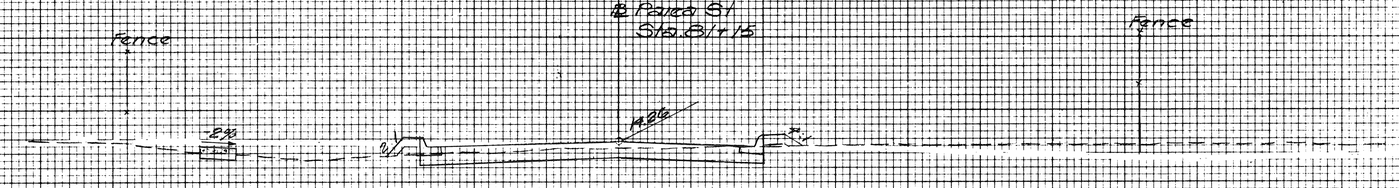
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature

HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT.

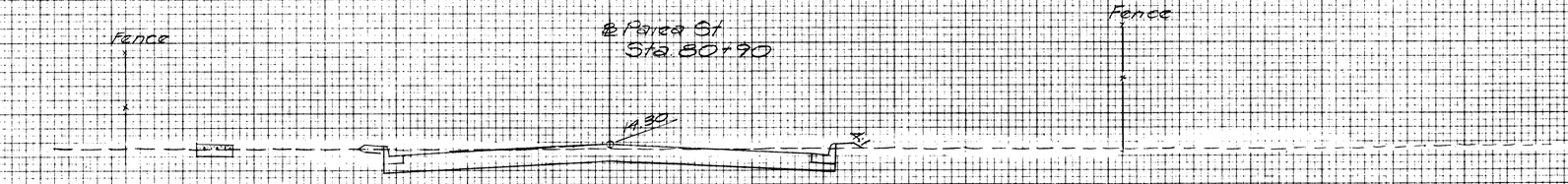
PAIEA ST. 5/5

COADD 426

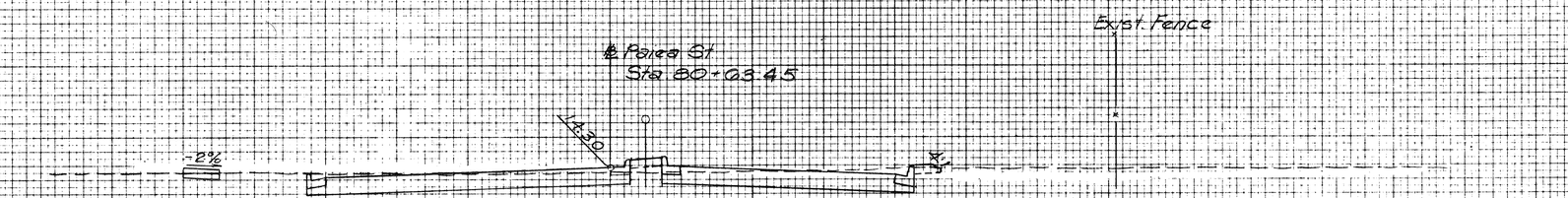
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)-1G	1976	426A	444



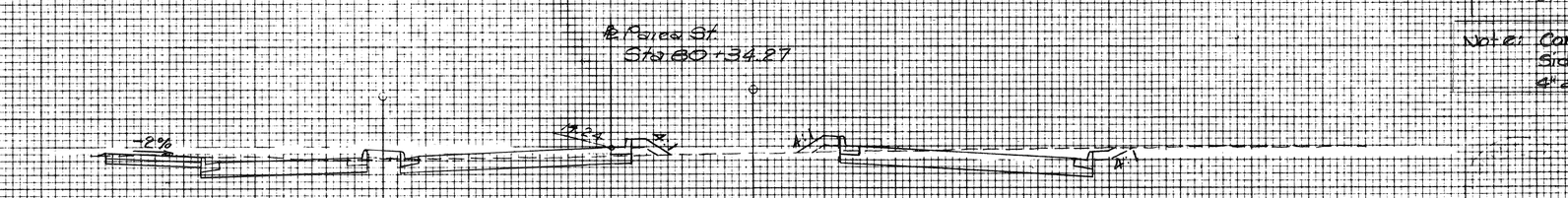
EXC 42
EMB 0



EXC 69
EMB 1



EXC 89
EMB 13



40' to Rt. Section at Aolele St. 77+00

Back

Ahead

25' to Rt. Section at Aolele St. 75+91

EXC 95
EMB 35

= Pivot Point

Note: Constract Concrete Sidewalk top elevation @ 4" above existing apron.

NO.	DATE	REVISION
1	10-6-76	New Sheet

SCALE: HORIZ 1" = 10'
VERT 1" = 4'

PAIEA ST.

C.O. 426A

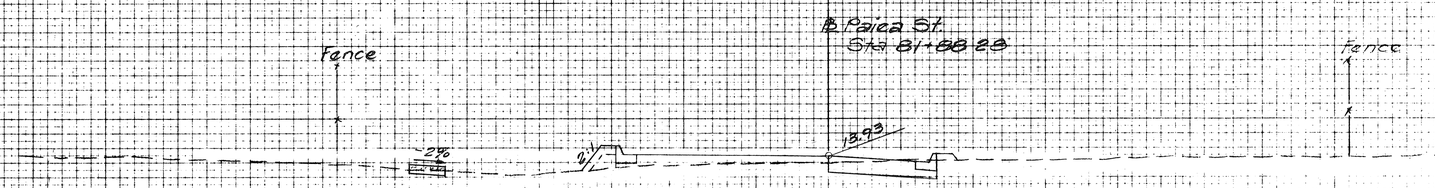
FINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED
PLOTTED
ENGINEER
AREAS
AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED
PLOTTED
ENGINEER
AREAS
AREAS CHECKED

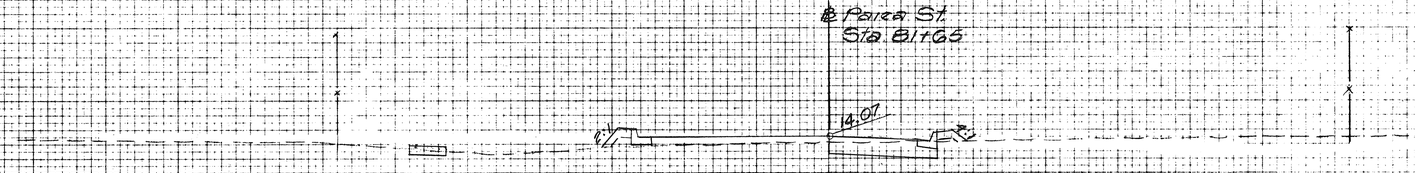
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123):16	1976	426B	444

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
NO. AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK TEMPLATE		
AREAS		
NO. AREAS CHECKED		

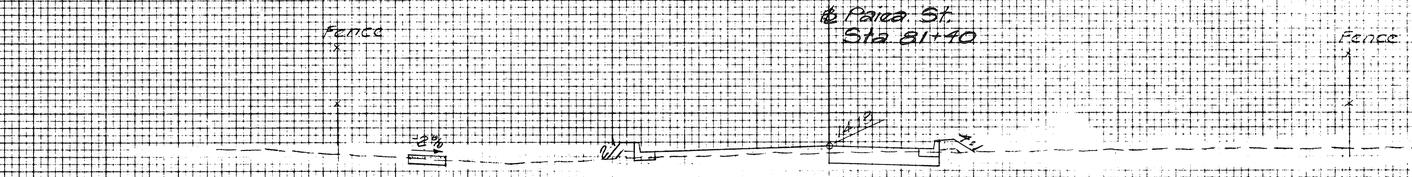


EXC 9
EMB 2



EXC 10
EMB 1

Note: Construct Concrete Sidewalk top elevation @ 4" above existing apron.



EXC 18
EMB 1

NO	DATE	REVISION
1	10-6-78	New Sheet

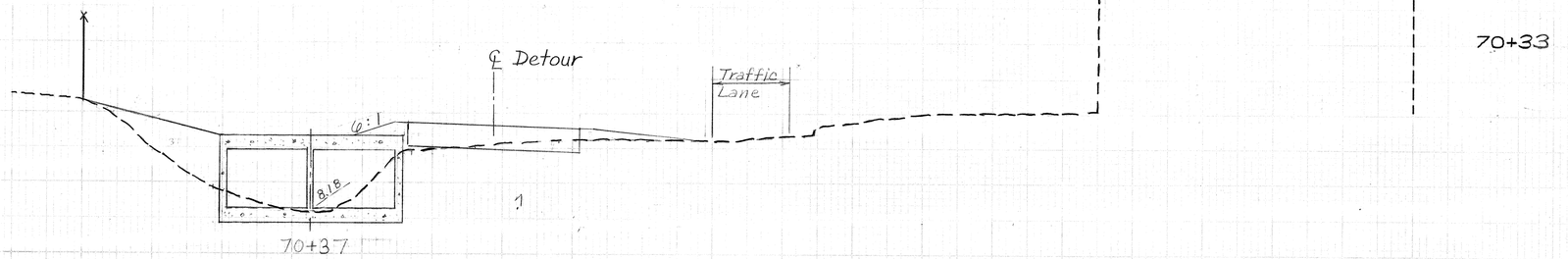
SCALE HORIZ 1" = 10'
VERT 1" = 4'

PAICA ST

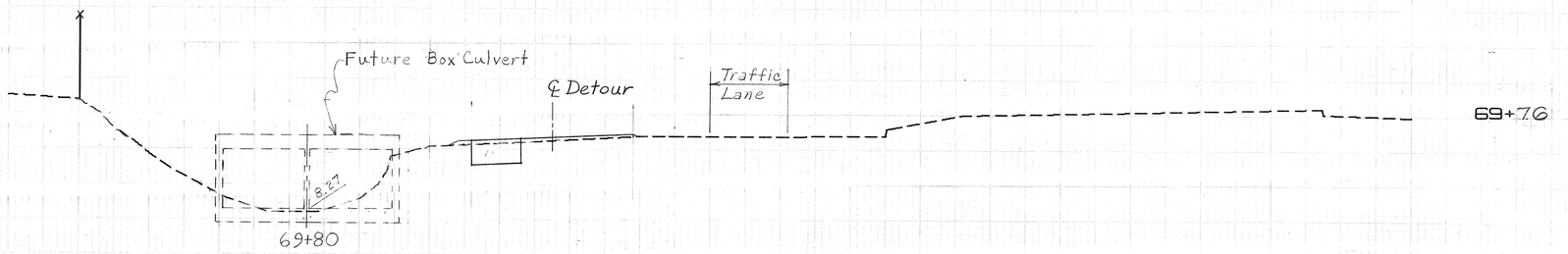
C.O. 426B

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)46	1976	429	444

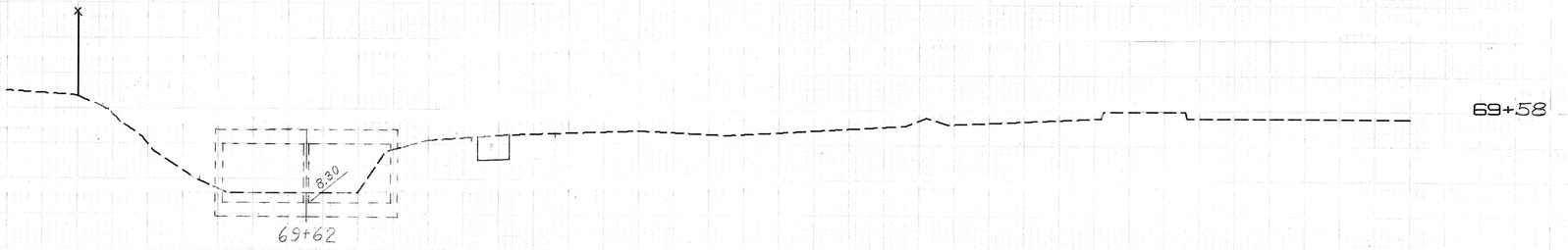
Road Culvert CRM Channel



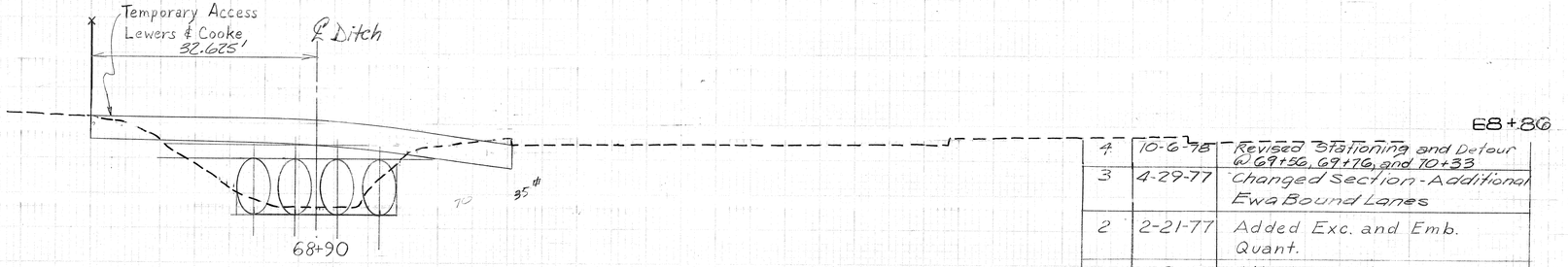
EXC 20 0 0 0
EMB 8 0 0 0



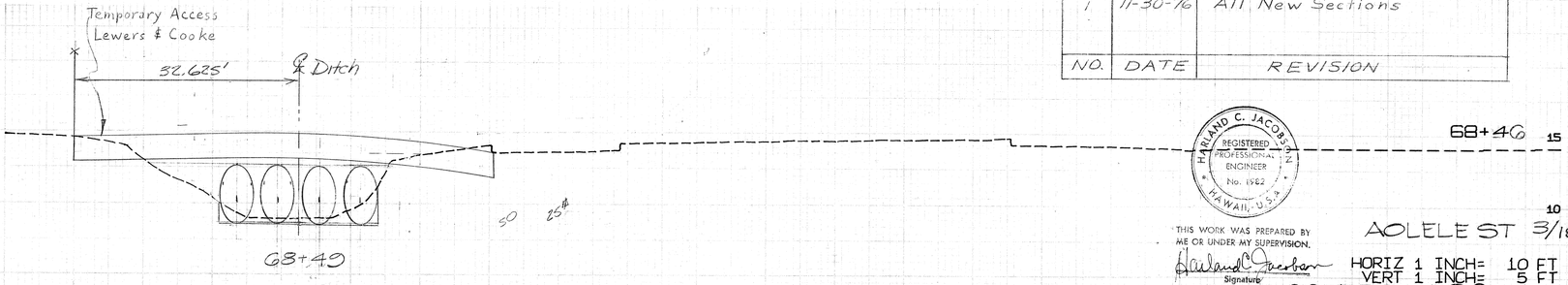
EXC 6 0 0 0
EMB 0 0 0 0



EXC 11 0 0 0
EMB 0 0 0 0



EXC 68 0 0 0
EMB 0 0 0 0



EXC 0 0 0 0
EMB 0 0 0 0

NO.	DATE	REVISION
4	10-6-78	Revised Stationing and Detour @ 69+50, 69+76, and 70+33
3	4-29-77	Changed Section - Additional Ewa Bound Lanes
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	All New Sections

HARLAND C. JACOBSEN REGISTERED PROFESSIONAL ENGINEER No. 1562 HAWAII, U.S.A.

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Harland C. Jacobsen
Signature

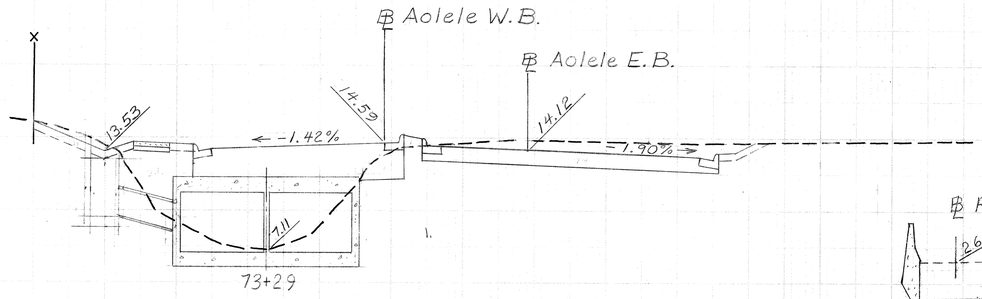
AOLELE ST 3/18

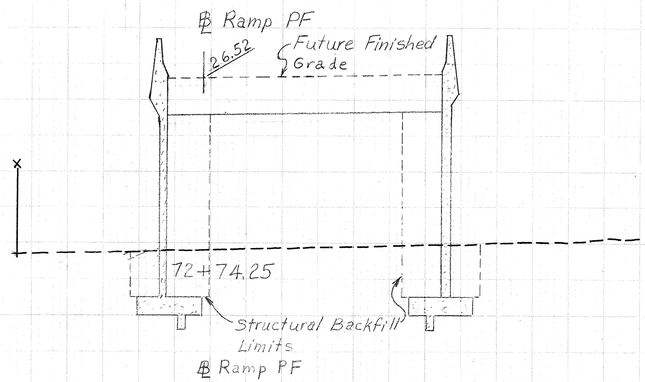
HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

COADD 429

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123):16	1976	430	444

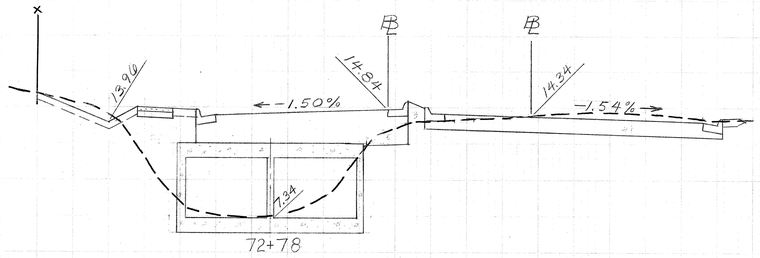
Road Culvert CRM Channel





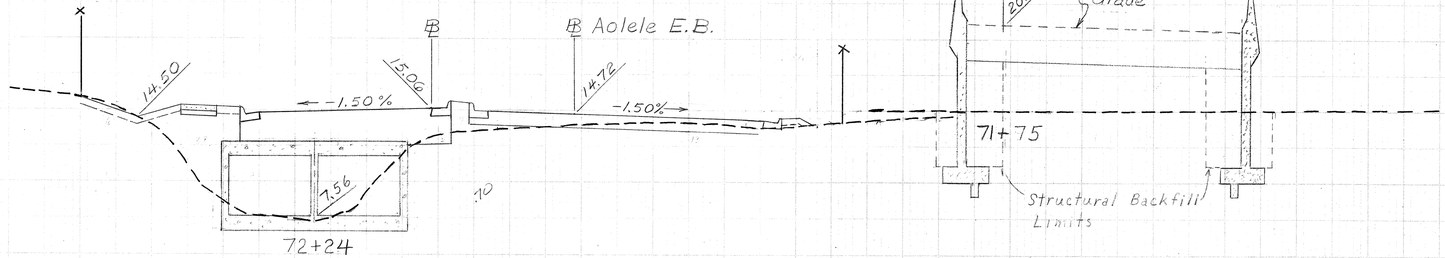
73+25

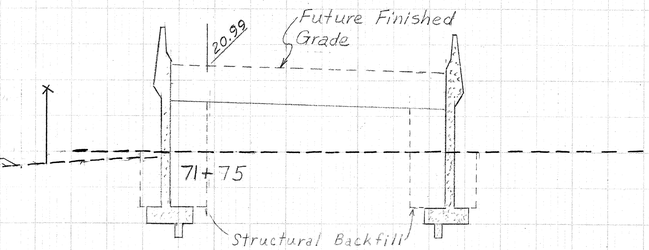
EXC 145 81 0 0
EMB 49 0 0 0



72+74

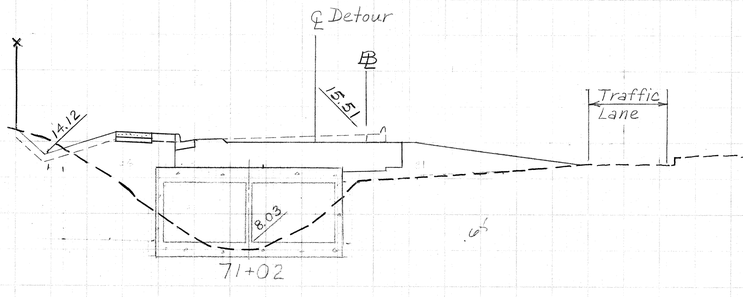
EXC 84 81 0 0
EMB 77 0 0 0

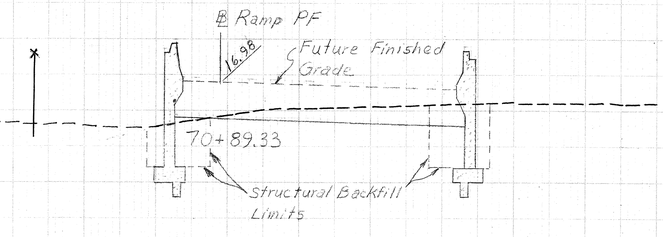




72+20

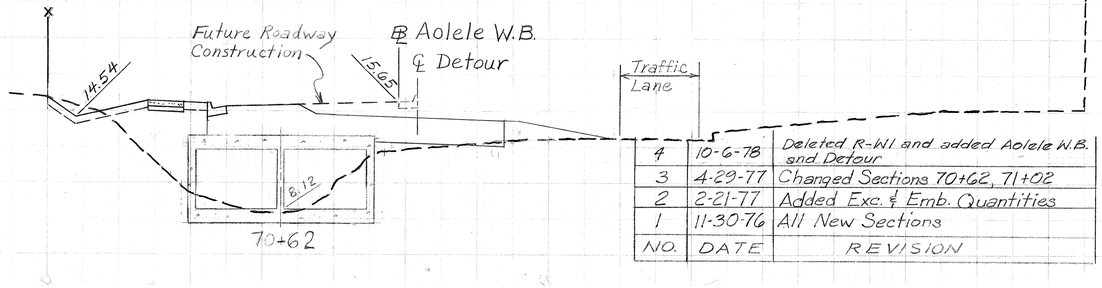
EXC 38 226 0 0
EMB 208 0 0 0





70+98

EXC 11 69 0 0
EMB 68 0 0 0



70+57.78

EXC 5 43 0 0
EMB 8 0 0 0

NO.	DATE	REVISION
4	10-6-78	Deleted R-W1 and added Aolele W.B. and Detour
3	4-29-77	Changed Sections 70+62, 71+02
2	2-21-77	Added Exc. & Emb. Quantities
1	11-30-76	All New Sections

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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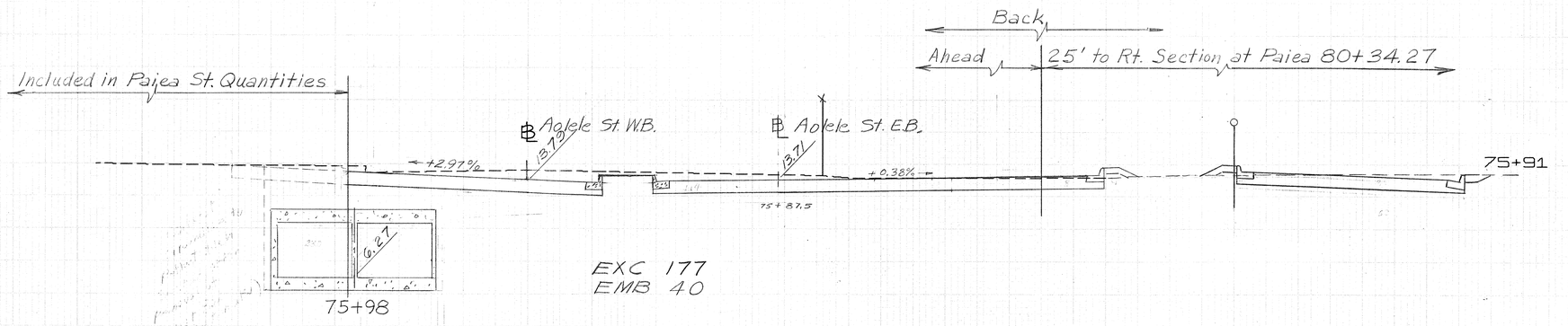
Harland C. Jacobson
Signature

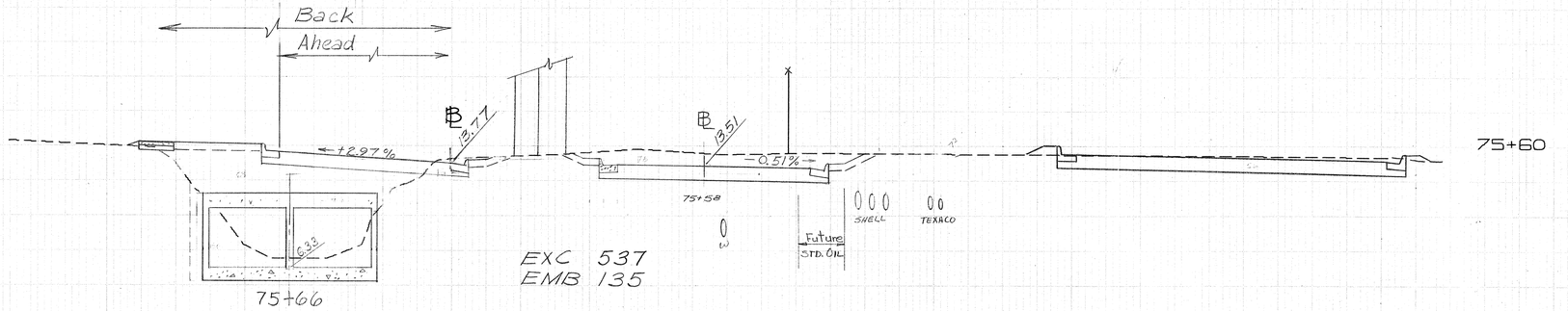
HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT.

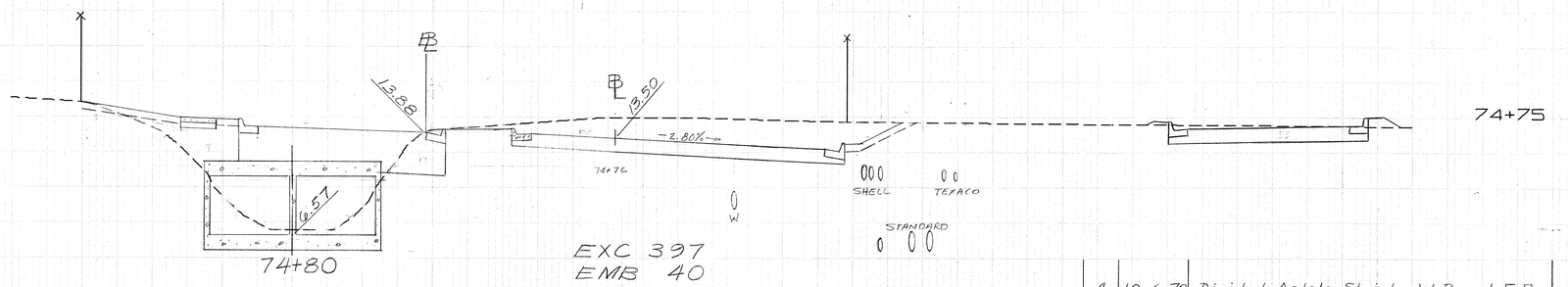
AOLELE ST. 4/18

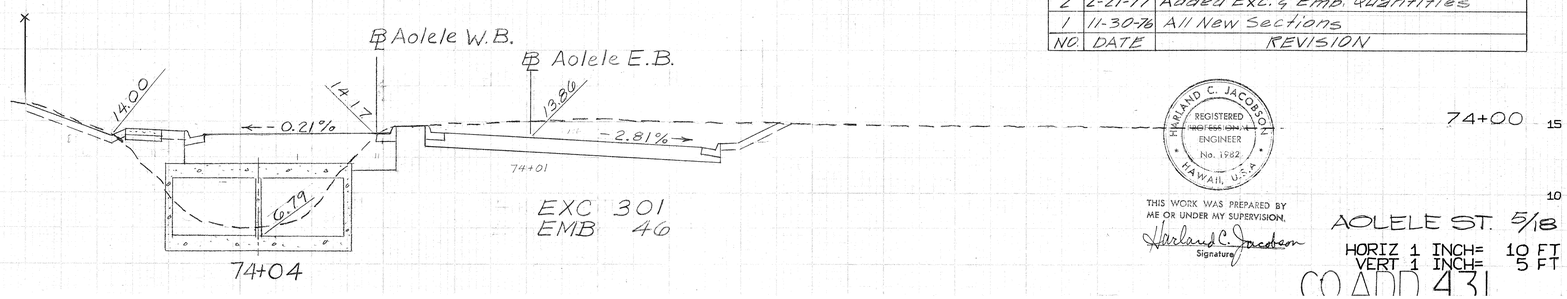
COADD 430

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(123)16	1976	431	444









NO.	DATE	REVISION
4	10-6-78	Divided Aolele St. into W.B. and E.B. Deleted R-W1
3	10-10-77	Revised for Paiea St.
2	2-21-77	Added Exc. & Emb. Quantities
1	11-30-76	All New Sections

HARLAND C. JACOBSON REGISTERED ENGINEER No. 1982 HAWAII, U.S.A.

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Signature

AOLELE ST. 5/18

HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

ROAD 431

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	432	444

NO.	DATE	REVISION
5	10-6-78	Divided Aolele St. into W.B & E.B. Added Sidewalk to Aolele St.
4	10-10-77	Revised for Paiea St. (Makai)
3	7-19-77	Changed Ditch @ Sta. 78+39
2	2-21-77	Added Exc. & Emb. Quant.
1	11-30-76	All New Sections

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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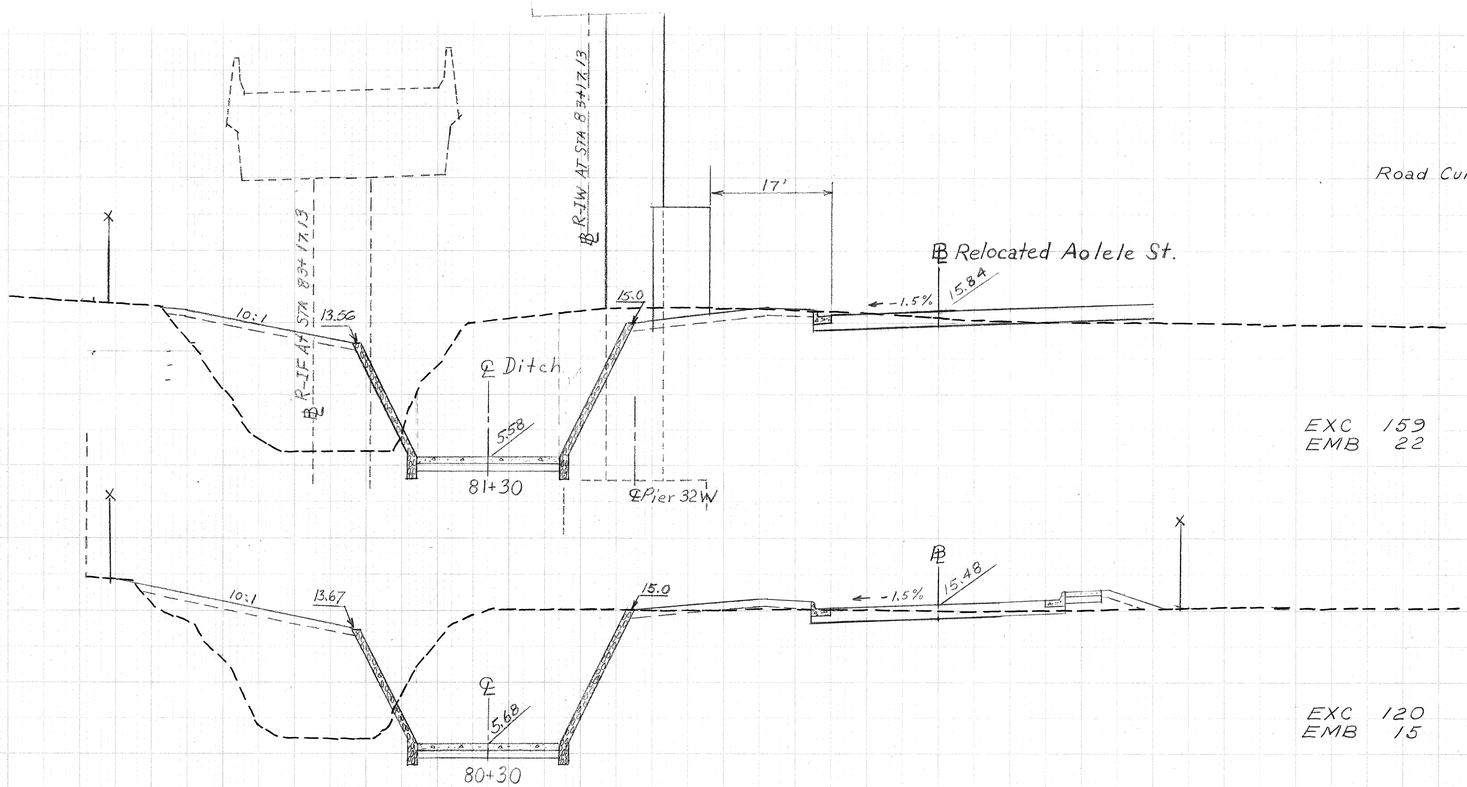
AOLELE ST. 6/18 W.B.

HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

COADD 432

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	433	444

Road Culvert CRM Channel



81 + 32

EXC	159	0	267	717
EMB	22	0	0	620

80 + 32

EXC	120	0	168	479
EMB	15	0	0	377

79+60

EXC	119	0	133	391
EMB	10	0	0	293

79+00

EXC	213	0	145	331
EMB	19			

NO.	DATE	REVISION
4	6-1-78	Added Sidewalk to Aolele St.

NO.	DATE	REVISION
4	10-6-78	Divided Aolele St. into E.B. and W.B. at 79+00 and 79+60
3	4-19-77	Changed Top Elev. of Left CRM Wall for All Sections
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	Deleted Section at 78+50 Revised All Sections

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No. 1982
HAWAII, U.S.A.

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Signature

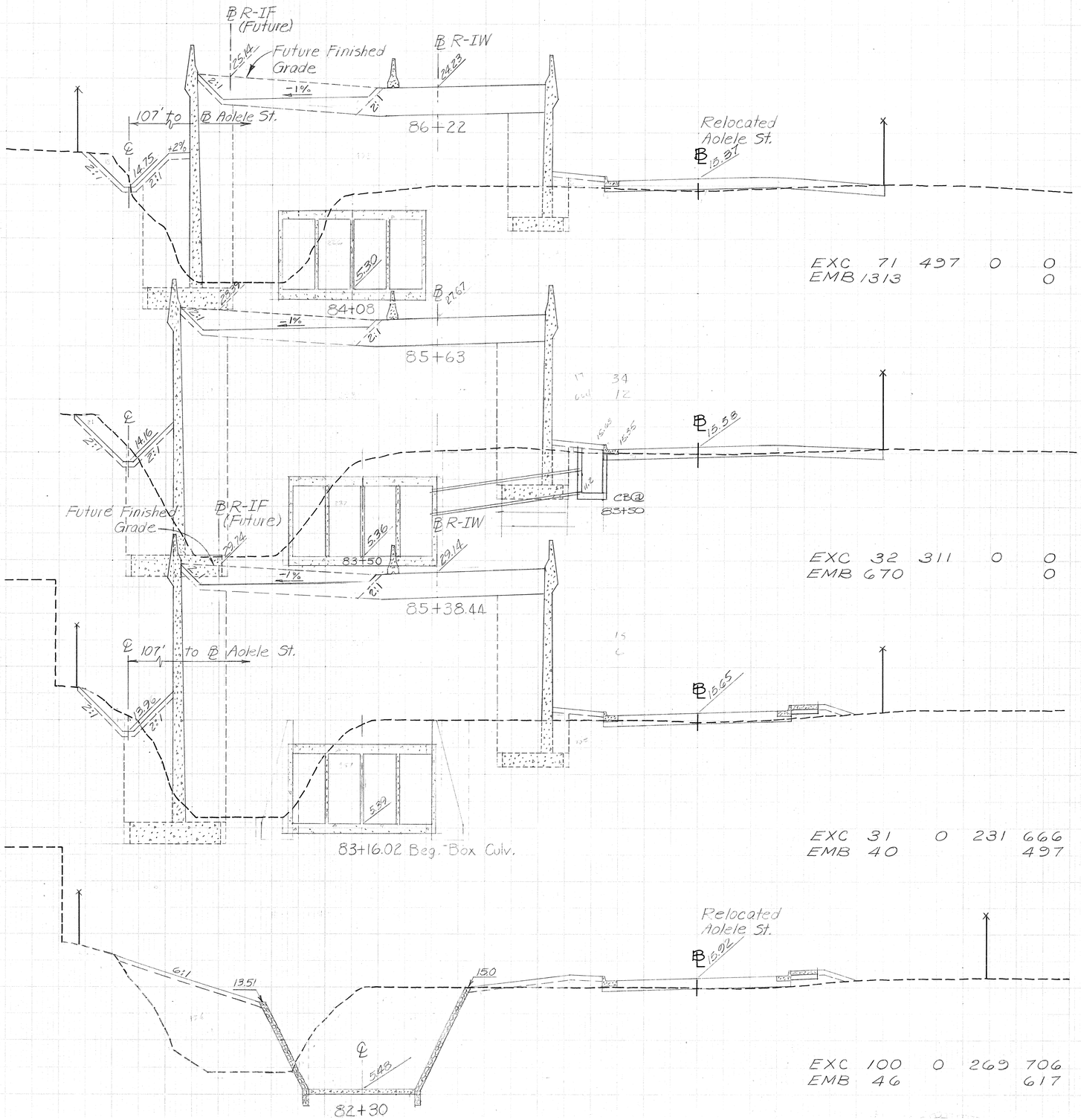
HORIZ 1 INCH= 10 FT.
VERT 1 INCH= 5 FT.

AOLELE ST. 7/18

COADD 433

Road Culvert CRM Channel

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	434	444



EXC	71	497	0	0	
EMB	1313			0	
EXC	32	311	0	0	
EMB	670			0	
EXC	31	0	231	666	
EMB	40			497	
EXC	100	0	269	706	
EMB	46			617	

84 + 10

83 + 51

83 + 26

82 + 32

NO	DATE	REVISION
2	10-6-78	Added Sidewalk to Aolele St.
1	2-23-77	Added Culv., CRM, and Channel Quant.

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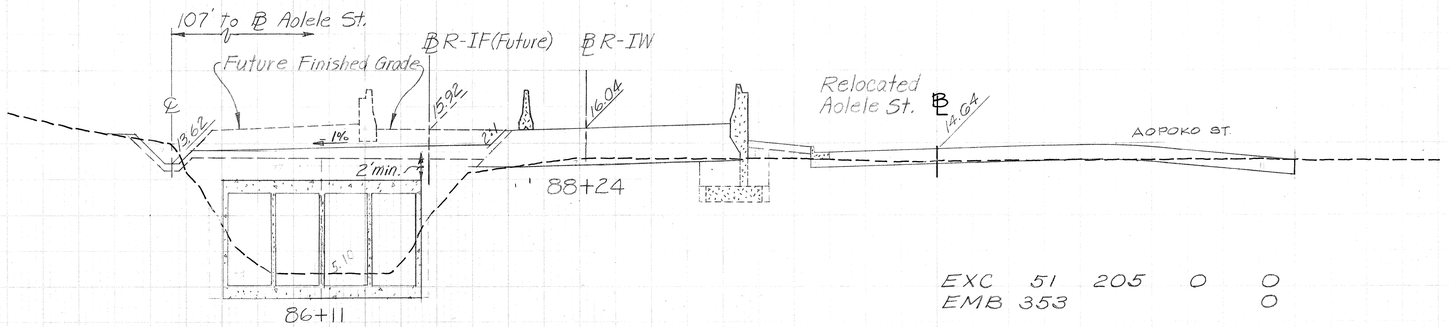
Harland C. Jacobson
Signature

AOLELE ST. 8/8
HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT.

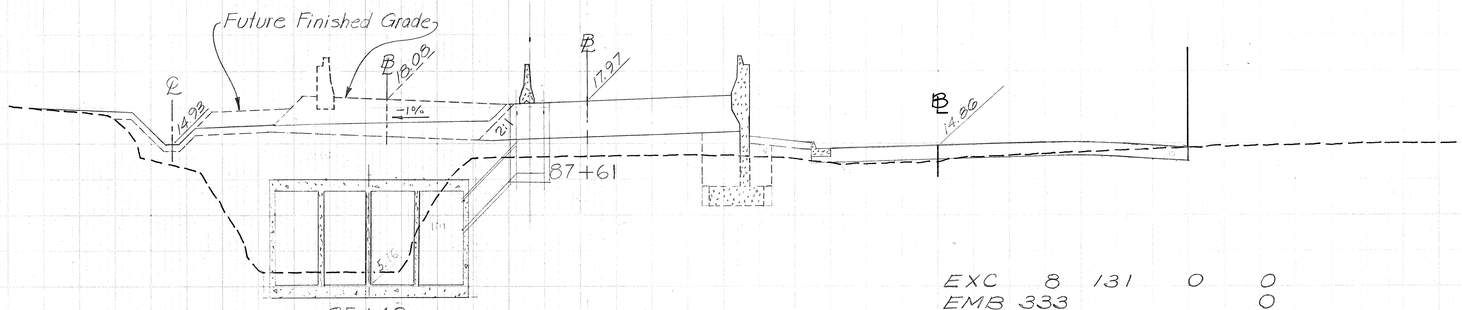
STA 0434

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(123):16	1976	435	444

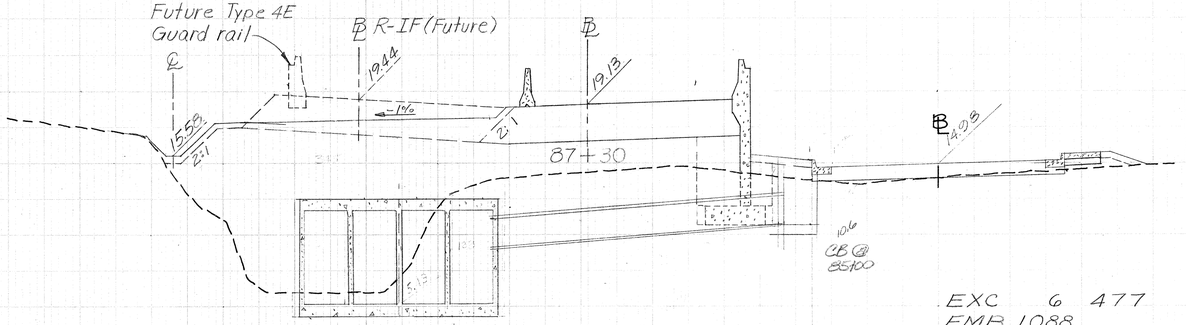
Road Culvert CRM Channel



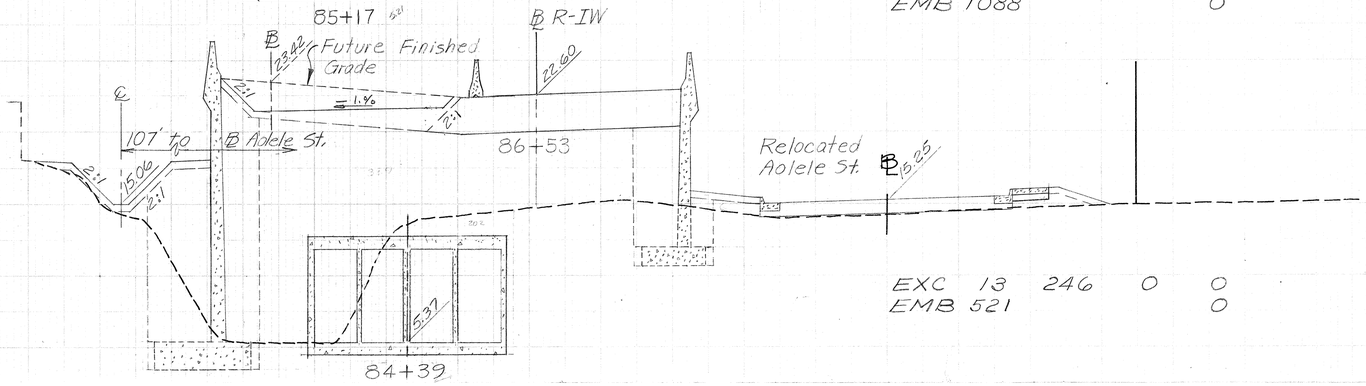
EXC 51 205 0 0
EMB 353 0



EXC 8 131 0 0
EMB 333 0



EXC 6 477 0 0
EMB 1088 0



EXC 13 246 0 0
EMB 521 0

NO.	DATE	REVISION
2	10-6-78	Added Sidewalk to Aolele St.
1	2-23-77	Added Culvert Exc.

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AOLELE ST 9/18

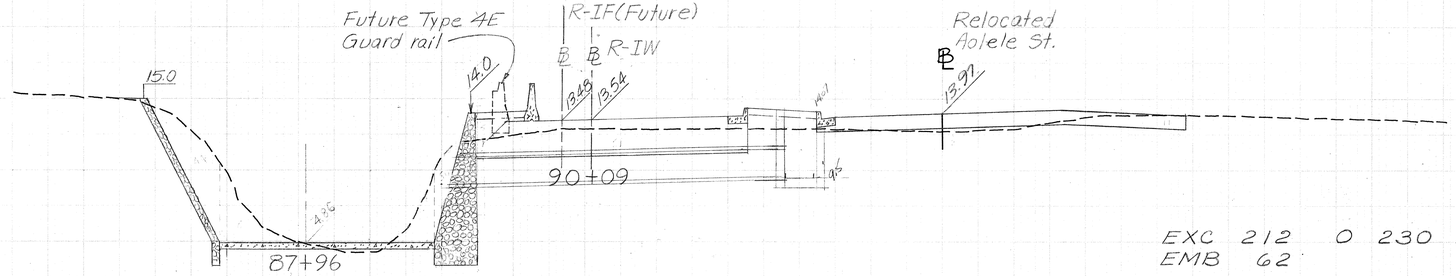
HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT.

C0435

20 15 — 86+12 — 20 15
20 15 — 85+49 — 20 15
20 15 — 85+18 — 20 15
20 15 — 84+41 — 20 15

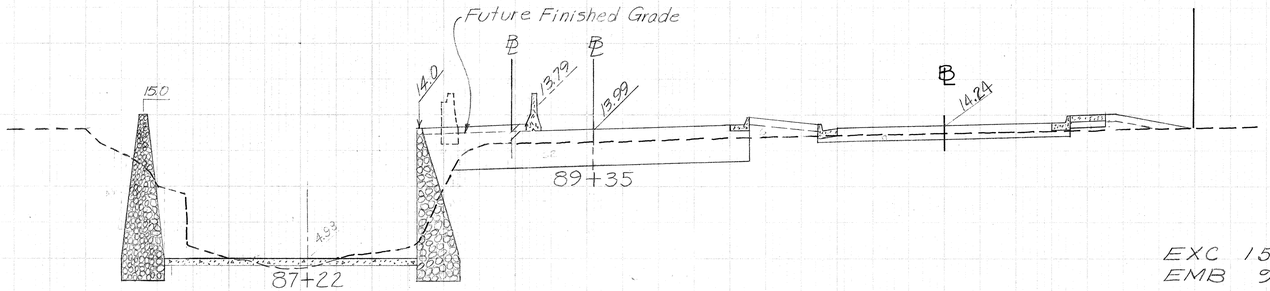
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1023(16)	1976	436	444

Road Culvert CRM Channel



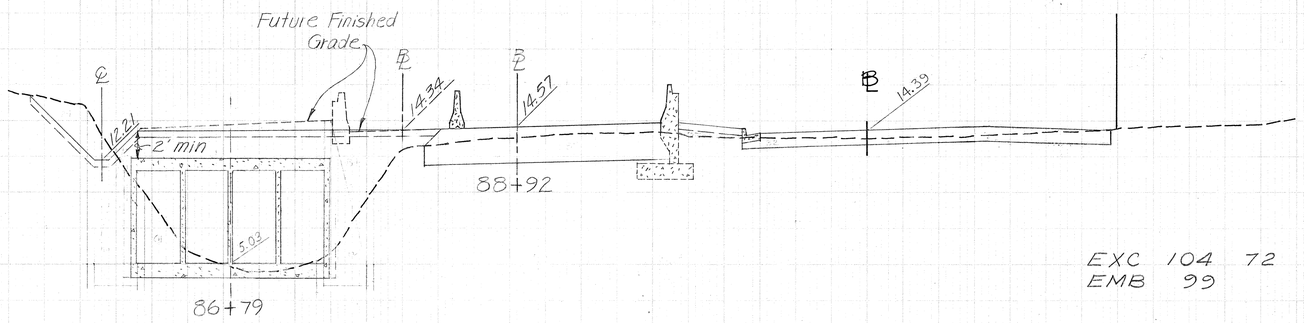
87 + 97

EXC 212 0 230 148
EMB 62 0



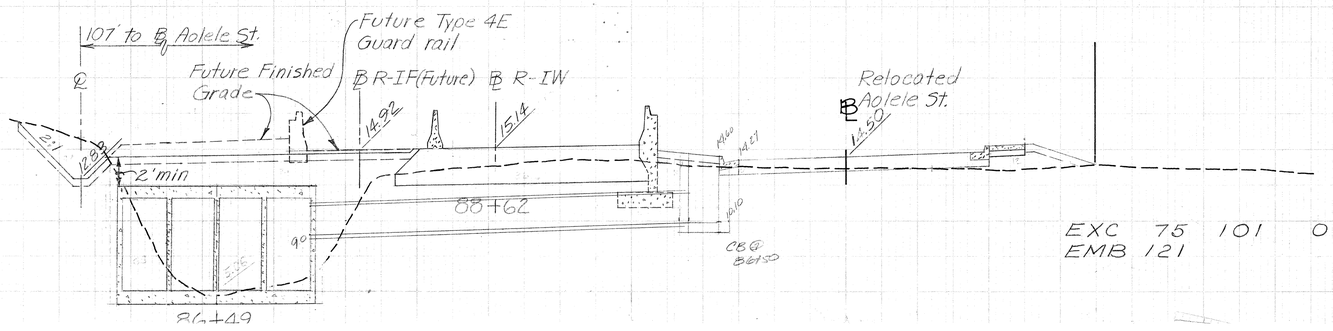
87 + 23

EXC 154 47 60 39
EMB 94 0



86 + 80

EXC 104 72 0 0
EMB 99 0



86 + 50

EXC 75 101 0 0
EMB 121 0

NO.	DATE	REVISION
2	10-6-78	Added Sidewalk to Aolele St.
1	2-23-77	Added Culv., CRM, and Channel Quant.

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Signature

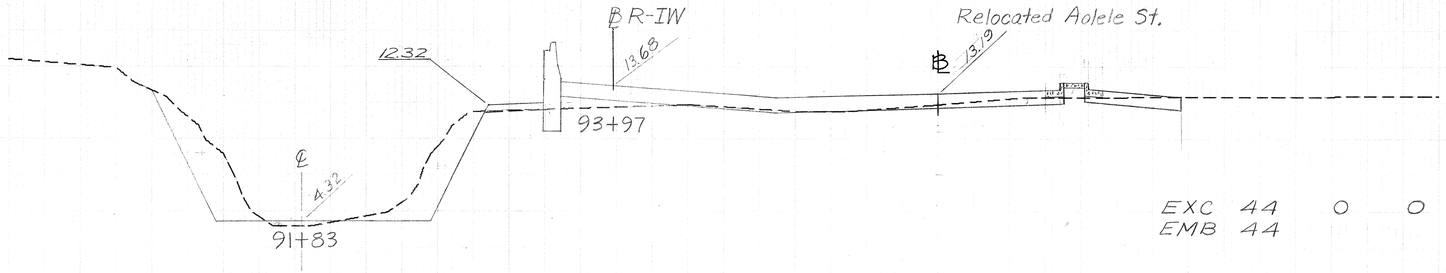
AOLELE ST 19/18

HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT

C0436

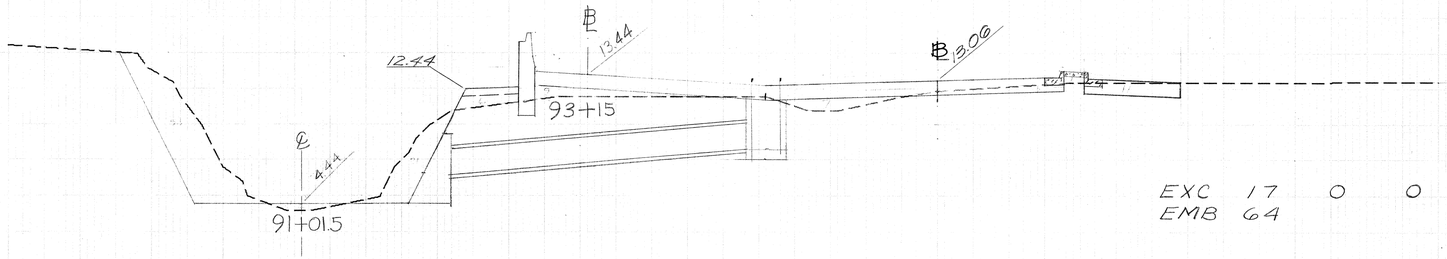
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-K123)16	1976	437	444

Road Culvert CRM Channel



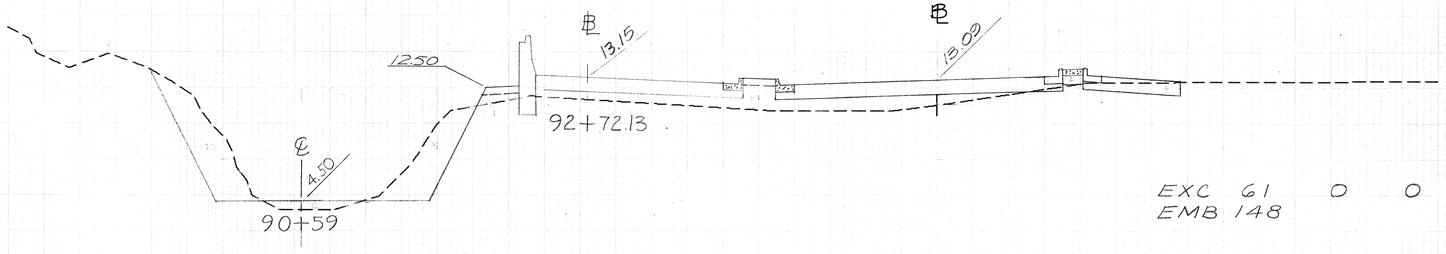
91+84

EXC 44 0 0 226
EMB 44 11



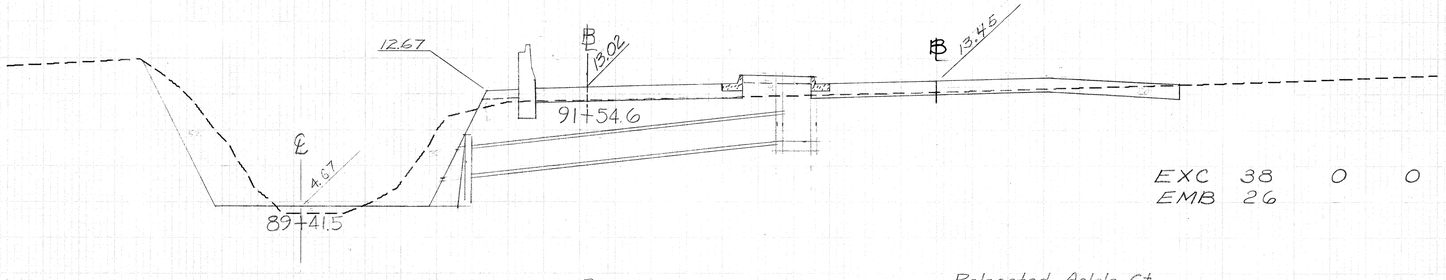
91+02

EXC 17 0 0 122
EMB 64 8



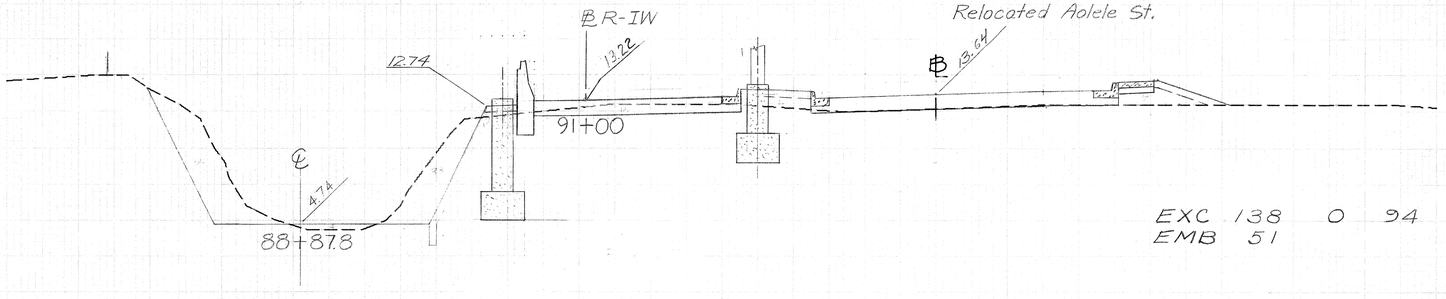
90+60

EXC 61 0 0 350
EMB 148 22



89+42

EXC 38 0 0 167
EMB 26 8



88+88

EXC 138 0 94 251
EMB 51 9

NO.	DATE	REVISION
2	10-6-78	Added Sidewalk to Aolele St.
1	2-23-77	Added CRM and Channel Quant.

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Signature

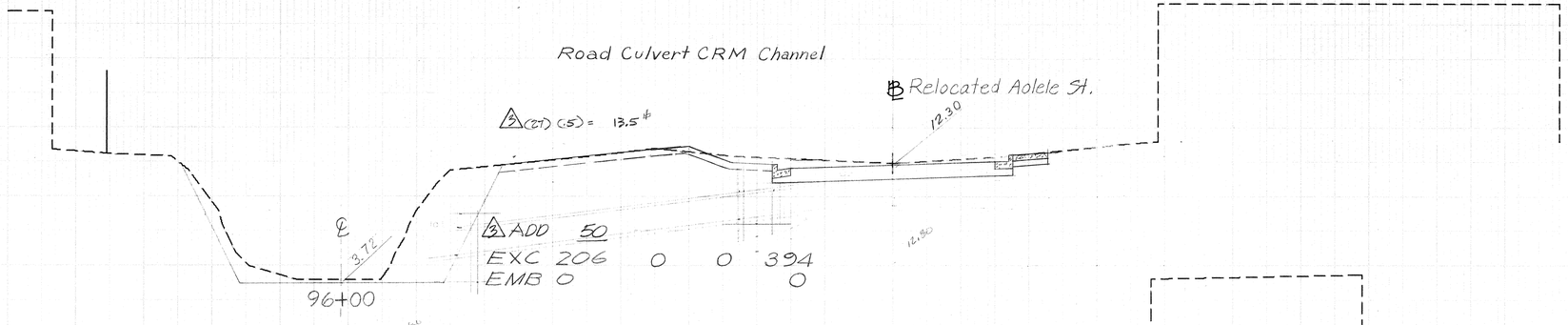
HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

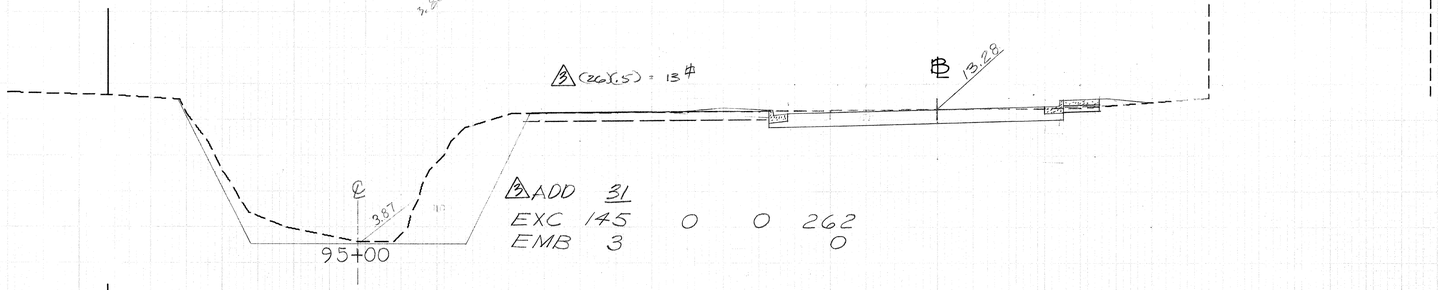
AOLELE ST 11/18

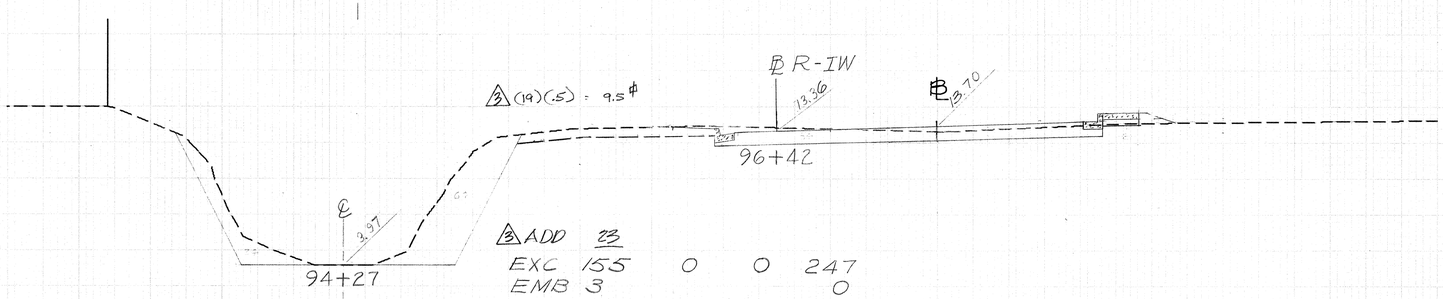
C0437

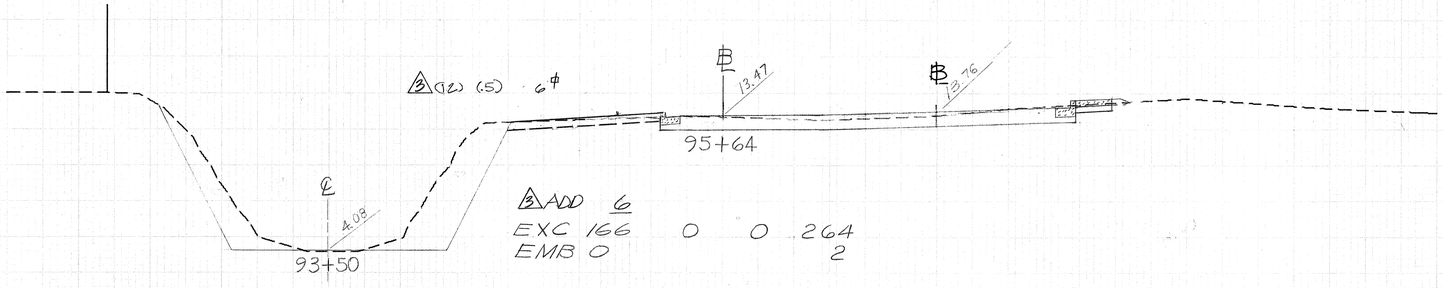
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)46	1976	438	444

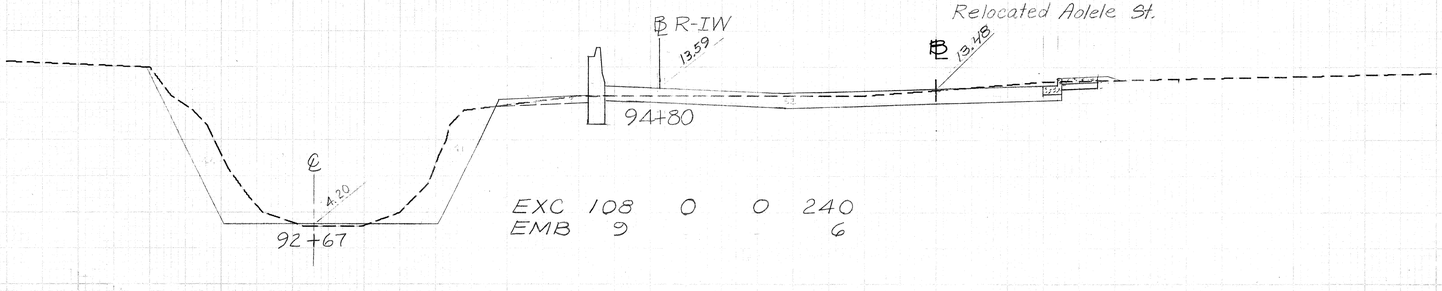
Road Culvert CRM Channel











96+00 15 10

95+00 15 10

94+27 15 10

93+50 15 10

92+67 15 10

NO	DATE	REVISION
△3	8-20-79	Added EXC. & Top Soil Area
2	10-6-78	Added Sidewalk to Aolele St.
1	2-23-77	Added Channel Quant.

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Signature

HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

AOLELE ST. 12/18

C0438

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F-HI-1023(16)	1976	439	444

Road Culvert CRM Channel

△4 ADD 28

X-Section Normal To ℄ Ditch | X-Section Normal To ℄ Roadway

Relocated Aolele St.

△4 (31)(.5) = 16.5#

℄ Ditch

2.79

10.67

5:1

99+95

△4 ADD 63

EXC	119	0	190	164
EMB	61	0	0	0

100+00

△4 (34)(.5) = 17#

3.14

10.13

99+00

△4 ADD 62

EXC	139	0	36	246
EMB	22	0	0	4

△4 (33)(.5) = 16.5#

3.44

10.40

98+00

△4 ADD 15

EXC	55	0	0	81
EMB	4	0	0	1

△4 (30)(.5) = 15#

3.47

10.58

97+75

△4 ADD 49

EXC	368	0	0	318
EMB	7	0	0	0

Relocated Aolele St.

△4 (30)(.5) = 15#

3.50

11.43

BK

Ahd.

Existing Alignment

96+87

△4 ADD 46

EXC	206	0	0	319
EMB	0	0	0	0

NO.	DATE	REVISION
△4	8-20-79	Added Exc. & Top Soil Area
3	10-6-78	Added Sidewalk to Aolele St.
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	Revised Ditch ℄ for Sta. 100+00

97+75

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Signature

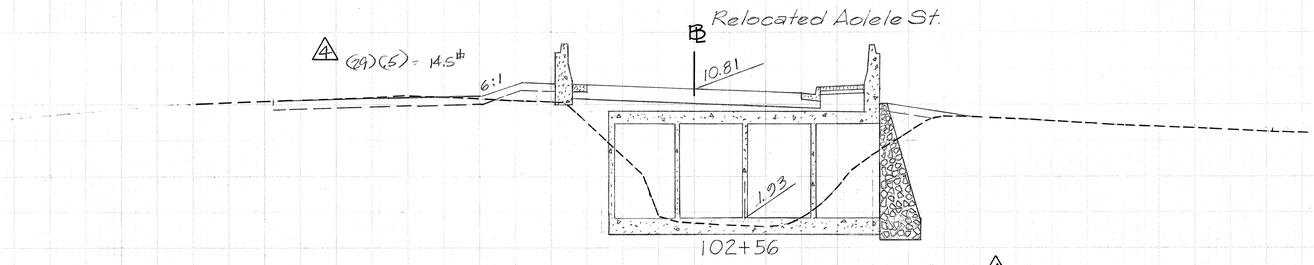
HORIZ 1 INCH= 10 FT
VERT 1 INCH= 5 FT

AOLELE ST. 13/18

COADD 479

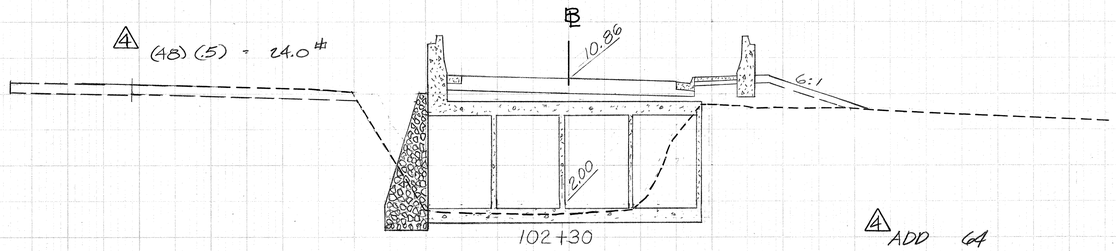
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	EHI-1(123)16	1976	440	444

Road Culvert CRM Channel



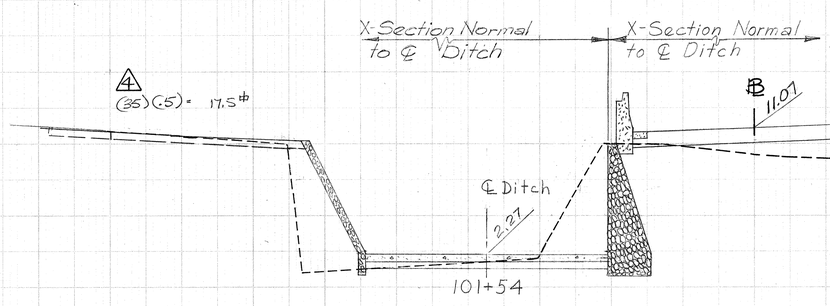
△4 ADD 13

EXC	0	87	0	0
EMB	27	0	0	0



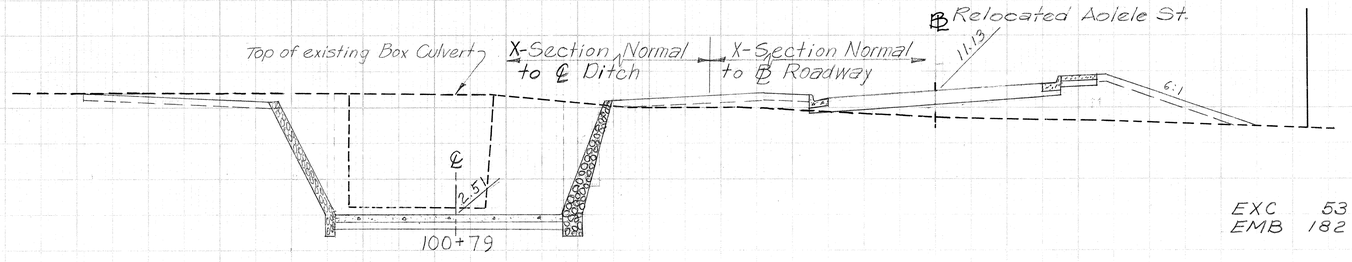
△4 ADD 64

EXC	0	108	25	69
EMB	217	0	0	70



△4 ADD 31

EXC	16	0	190	446
EMB	255	0	0	69



EXC	53	0	207	487
EMB	182	0	0	0

102+71

102+54

101+71

100+90

△	8-23-79	Added Exc. & Top Soil Area.
3	10-6-78	Added Sidewalk to Aolele St.
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	All Stations Increased by 40'
NO.	DATE	REVISION

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

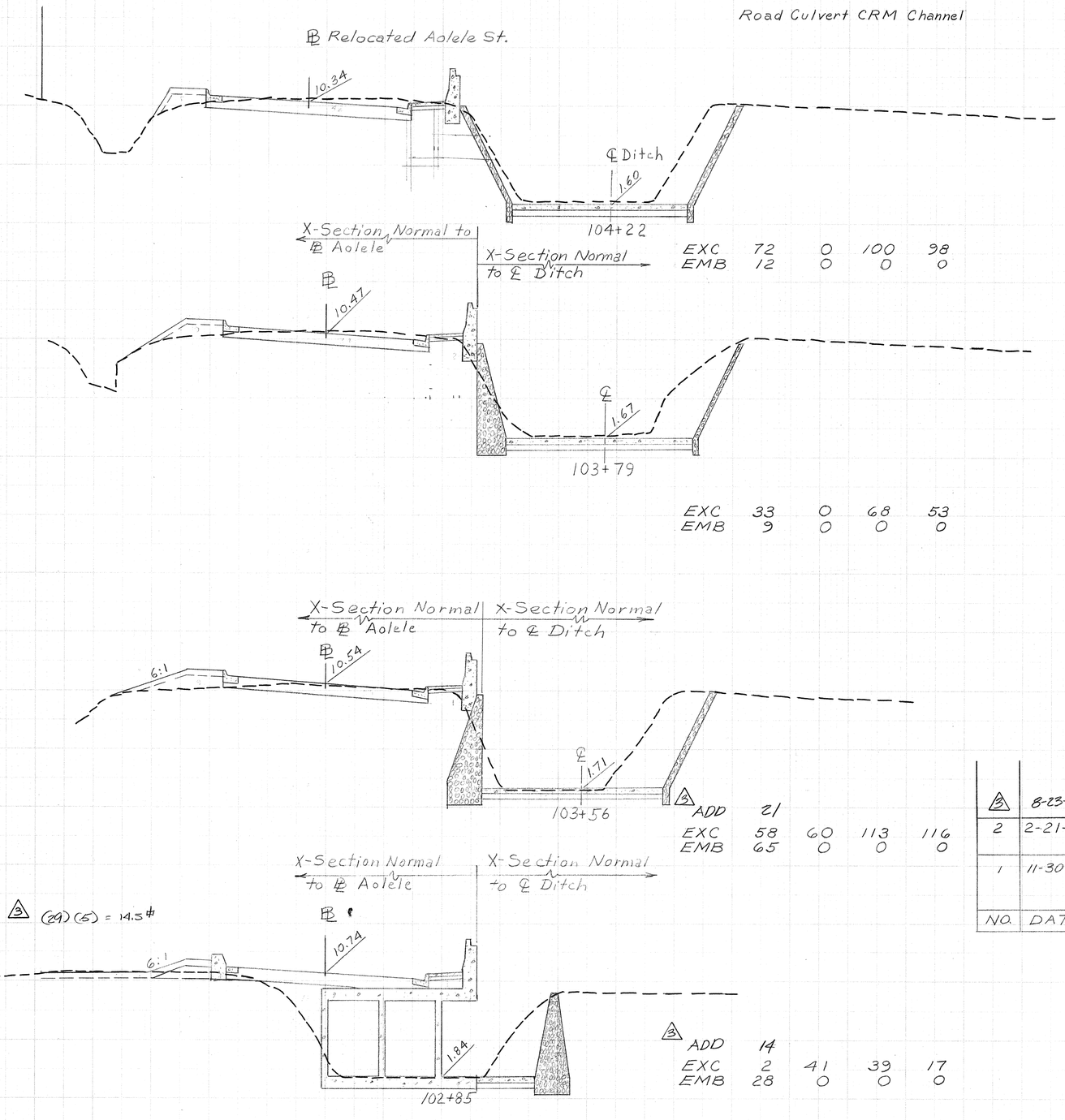
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Harland C. Jacobson
Signature

HORIZ. 1 INCH= 10 FT
VERT. 1 INCH= 5 FT

AOLELE ST. 14/18
COADD 440

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(023):16	1976	441	444



104 + 46

EXC	72	0	100	98
EMB	12	0	0	0

104 + 00

EXC	33	0	68	53
EMB	9	0	0	0

103 + 75

△3 ADD	21			
EXC	58	60	113	116
EMB	65	0	0	0

102 + 97

△3 ADD	14			
EXC	2	41	39	17
EMB	28	0	0	0

NO.	DATE	REVISION
△3	8-23-79	Added Exc. & Top Soil Area.
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	All Stations Increased by 40'

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Signature

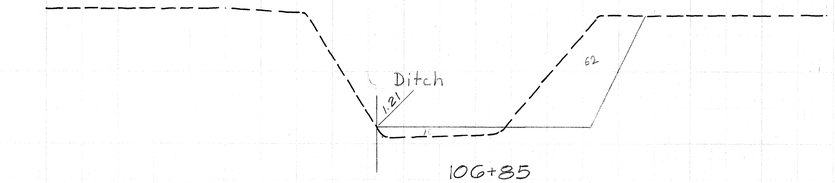
HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT.

AOLELE ST. 15/18

ADD 441

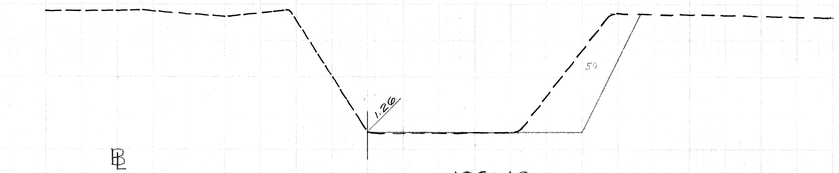
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	442	444

Road Culvert CRM Channel



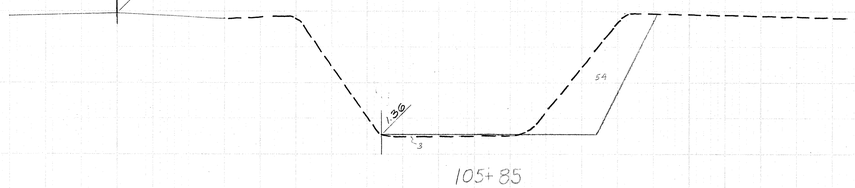
EXC	0	0	0	75
EMB	0	0	0	7

106 + 85
(Ditch ℄)



EXC	9	0	0	124
EMB	0	0	0	4

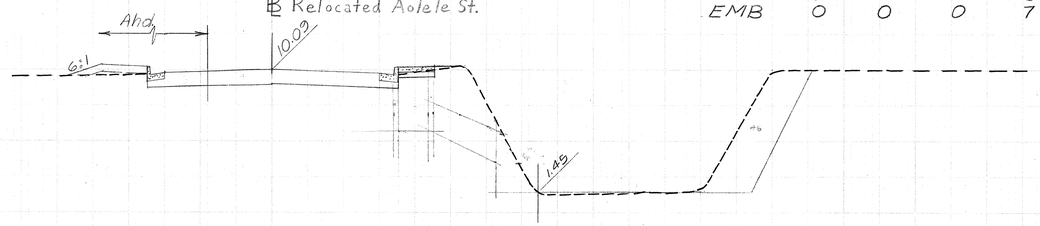
106 + 49
(Ditch ℄)



EXC	59	0	0	118
EMB	0	0	0	7

106 + 10

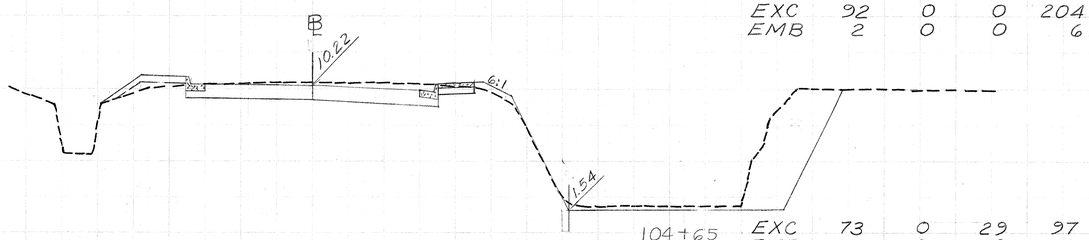
℄ Relocated Aolele St.



EXC	92	0	0	204
EMB	2	0	0	6

105 + 50

NO.	DATE	REVISION
3	10-6-78	Added Sidewalk to Aolele St.
2	2-21-77	Added Exc. and Emb. Quant.
1	11-30-76	Replaced Section at 104+50 with Section at 104+90



EXC	73	0	29	97
EMB	6	0	0	0

104 + 90

HARLAND C. JACOBSON
REGISTERED PROFESSIONAL ENGINEER
No. 1982
HAWAII, U.S.A.

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Harland C. Jacobson
Signature

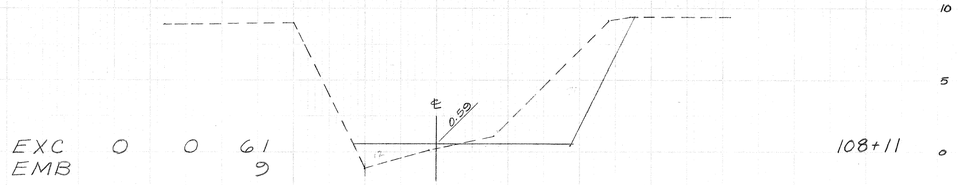
HORIZ. 1 INCH = 10 FT.
VERT. 1 INCH = 5 FT.

AOLELE ST. 16/18

COADD 442

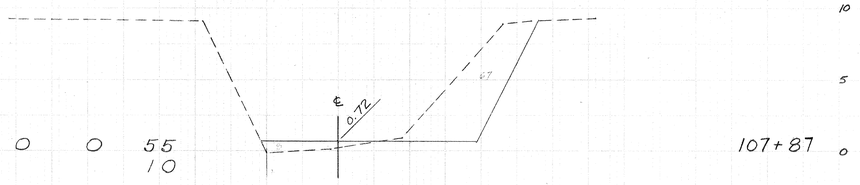
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HH(123)16	1976	443	444

Culvert CRM Channel



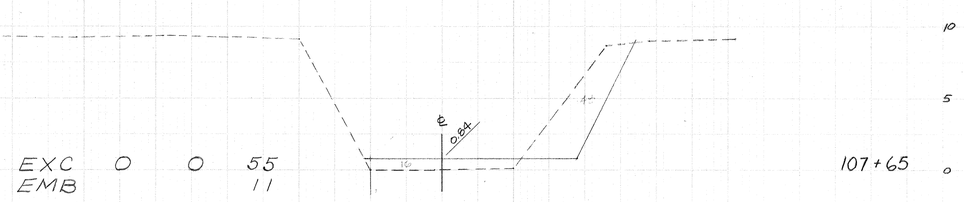
EXC 0 0 61
EMB 9

108+11



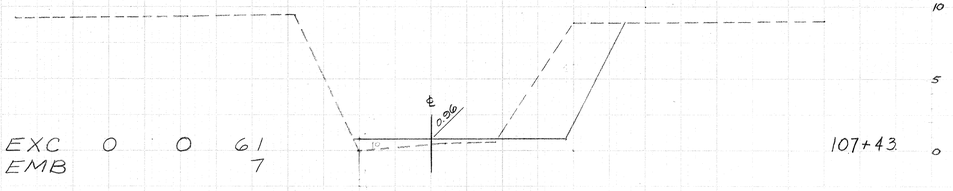
EXC 0 0 55
EMB 10

107+87



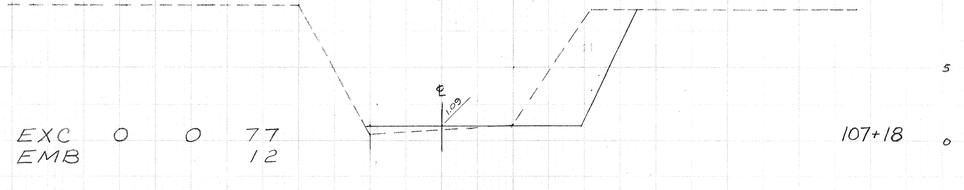
EXC 0 0 55
EMB 11

107+65



EXC 0 0 61
EMB 7

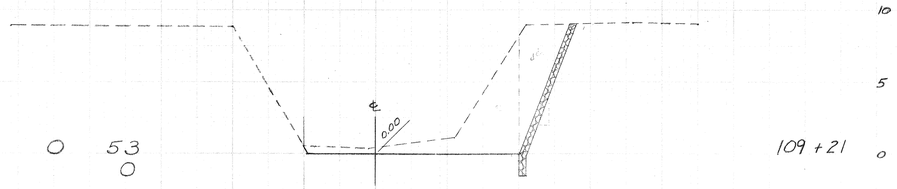
107+43



EXC 0 0 77
EMB 12

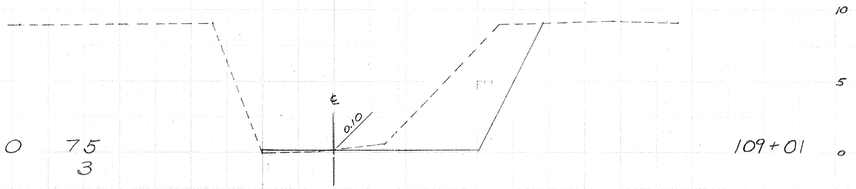
107+18

Culvert CRM Channel



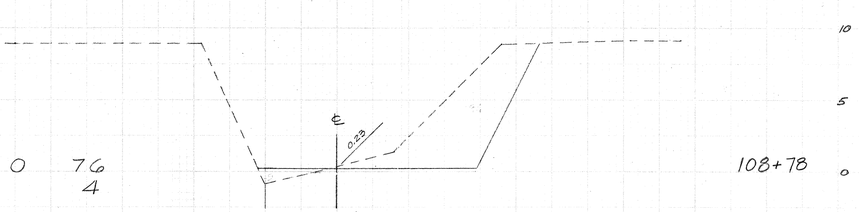
EXC 0 0 53
EMB 0

109+21



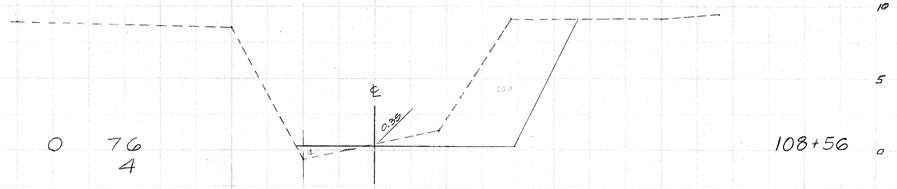
EXC 0 0 75
EMB 3

109+01



EXC 0 0 76
EMB 4

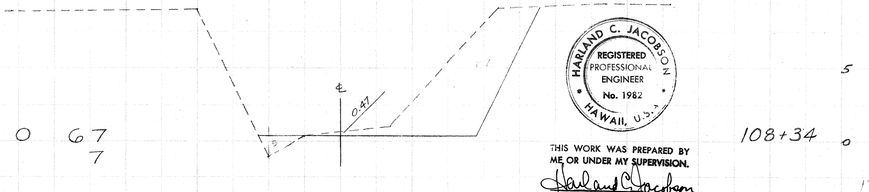
108+78



EXC 0 0 76
EMB 4

108+56

NO	DATE	REVISION
1	2-23-77	Added Channel Quant.



EXC 0 0 67
EMB 7

108+34

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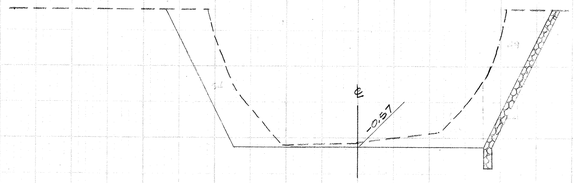
Harland C. Jacobson
Signature

17/18

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHI-1(123)16	1976	444	444

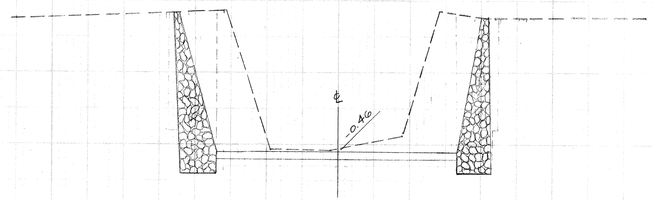
Culvert CRM Channel

EXC 0 92 177
EMB 0



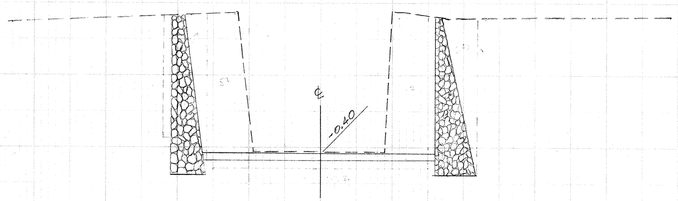
110+30

EXC 0 62 135
EMB 0

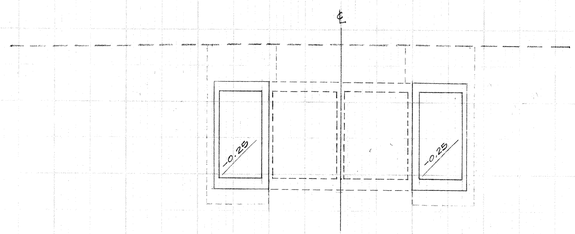


109+99

EXC 0 128 87
EMB 0

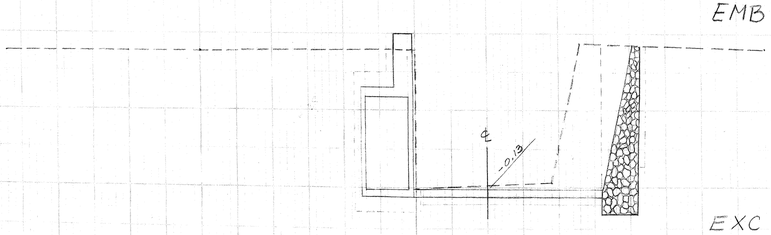


109+82



109+60

EXC 213 0 0
EMB 0

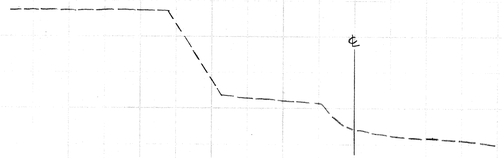


109+43

EXC 0 99 51
EMB 0

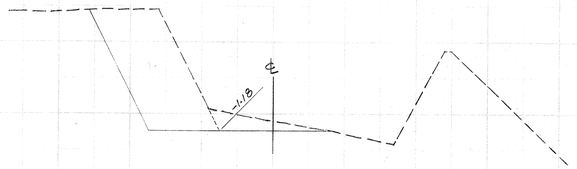
END DITCH

Culvert CRM Channel



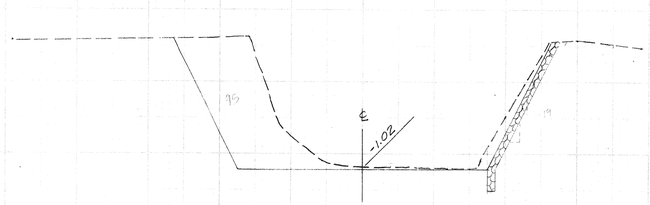
112+31

EXC 0 0 54
EMB 0



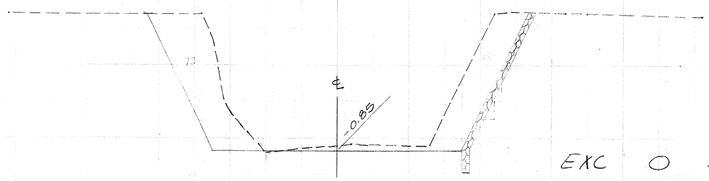
112+00

EXC 0 20 171
EMB 0



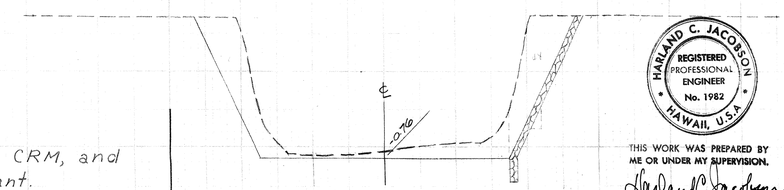
111+53

EXC 0 55 178
EMB 0



111+07

EXC 0 45 90
EMB 0



110+81

NO.	DATE	REVISION
1	2-23-77	Added Culv., CRM, and Channel Quant.

HARLAND C. JACOBSON
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No. 1982
HAWAII, U.S.A.

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Signature

18/18