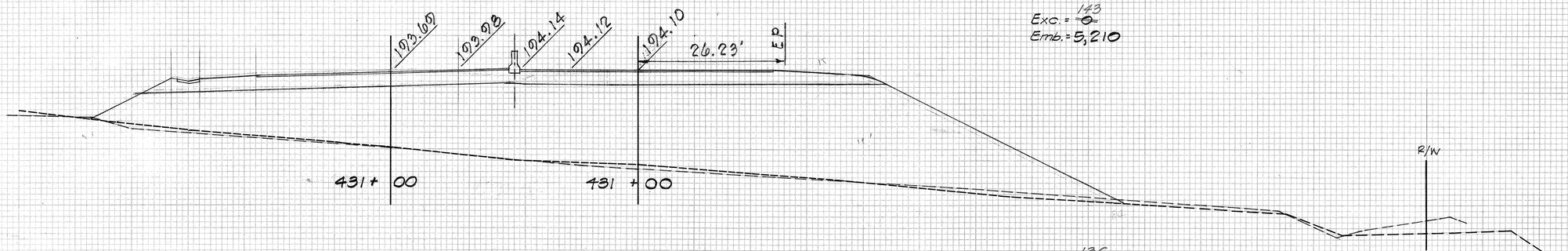
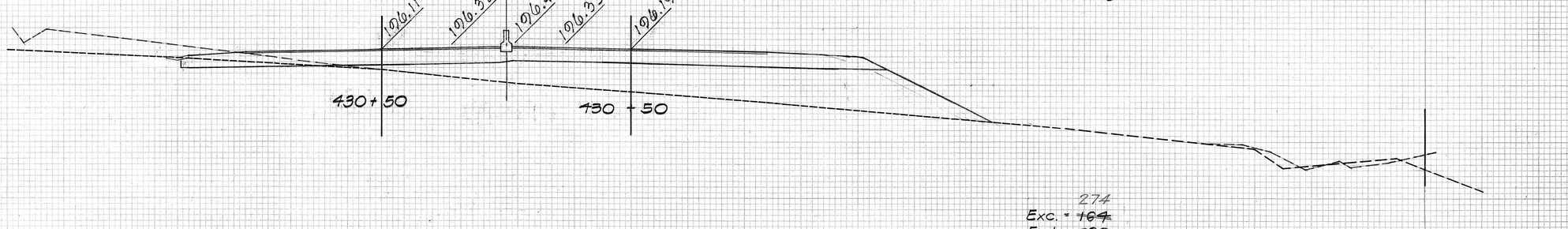
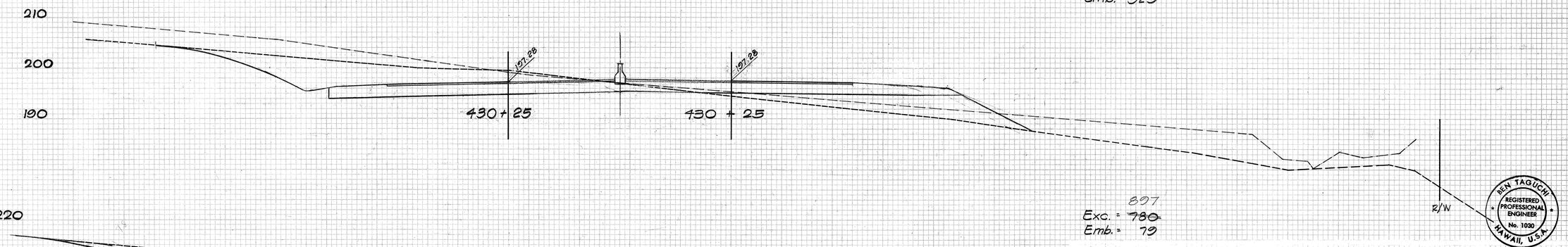
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-H(75)8	1968	139	181



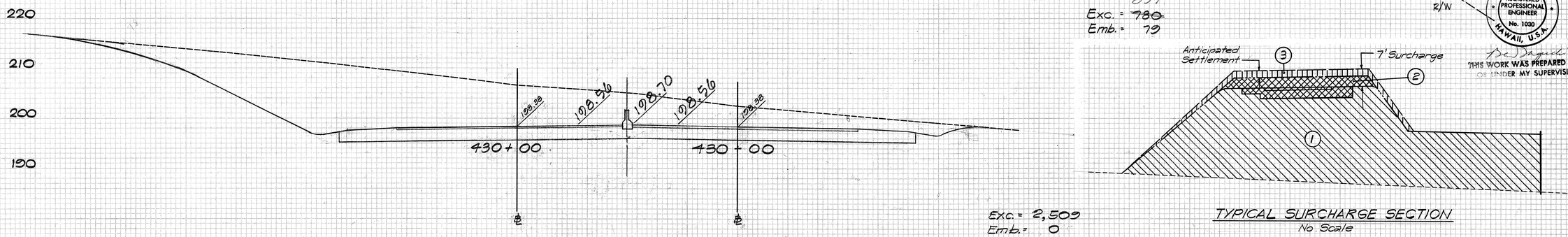
Exc. = ~~0~~ 143
Emb. = 5,210



Exc. = ~~24~~ 136
Emb. = 2408



Exc. = ~~164~~ 274
Emb. = 329



Exc. = ~~780~~ 807
Emb. = 79

Exc. = 2,509
Emb. = 0

TYPICAL SURCHARGE SECTION
No Scale

Earthwork Measurement
①, ②& ③ : Embankment
② : Excavation

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

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

I or Dept.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

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

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% ACETATE PAPER—MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

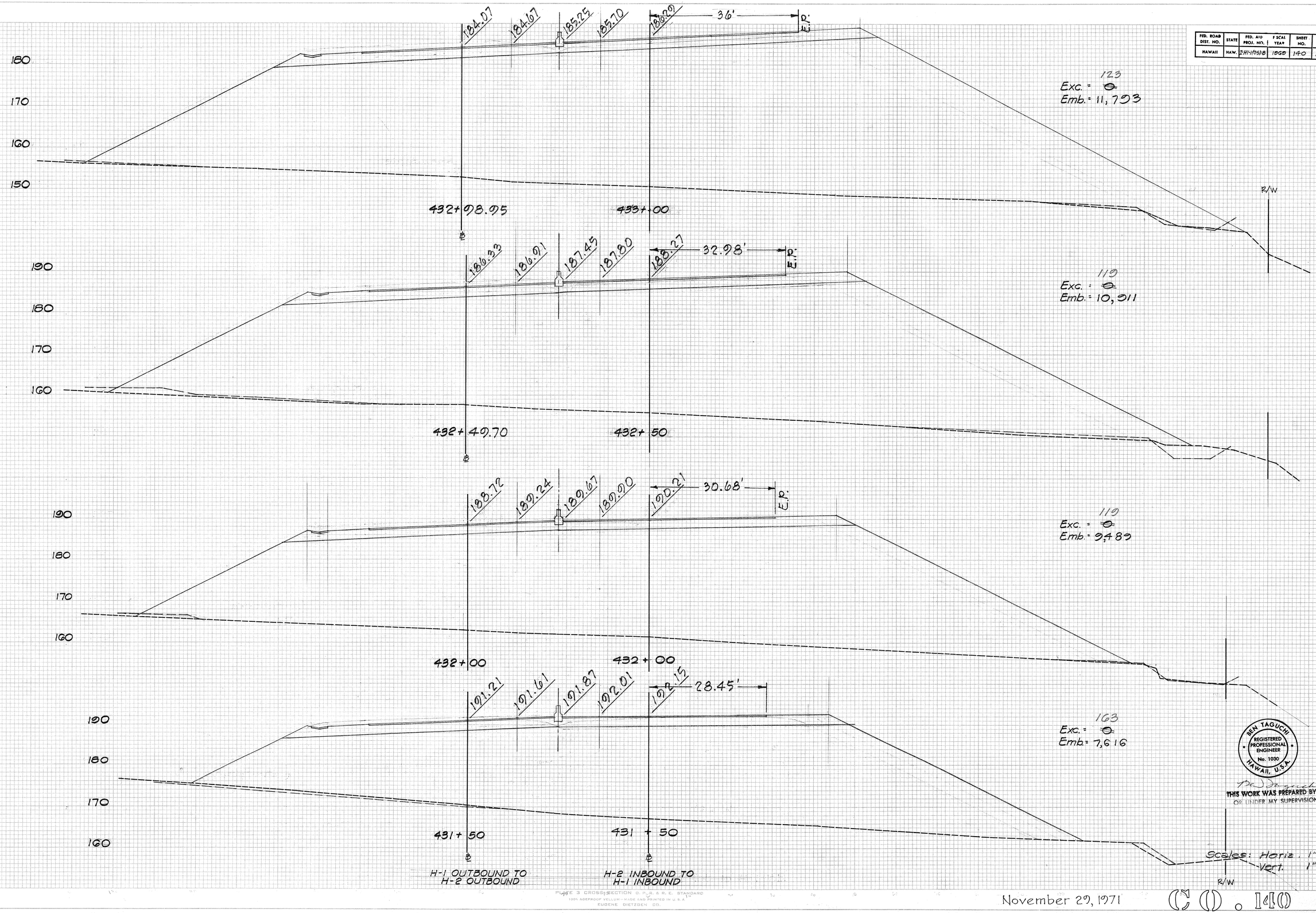
November 29, 1971

(C (1) .139

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	F SCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(19)8	1968	140	181

FINAL SURVEY — SURVEYED / DRAWN / NOTE BOOK / NO. — TEMPLATE / AREAS / AREAS CHECKED — BY / DATE

ORIGINAL SURVEY — SURVEYED / DRAWN / NOTE BOOK / NO. — TEMPLATE / AREAS / AREAS CHECKED — BY / DATE



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

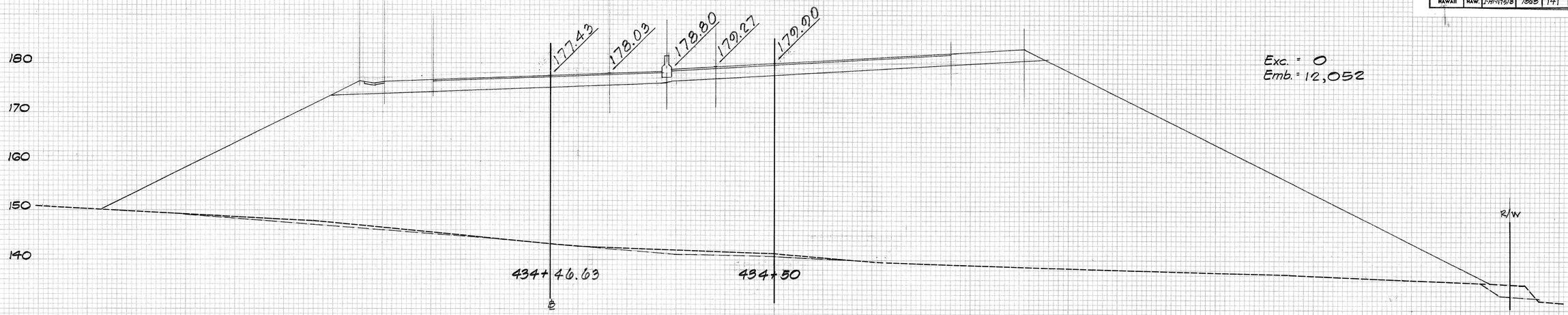
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% AGEPROOF VELLUM—MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

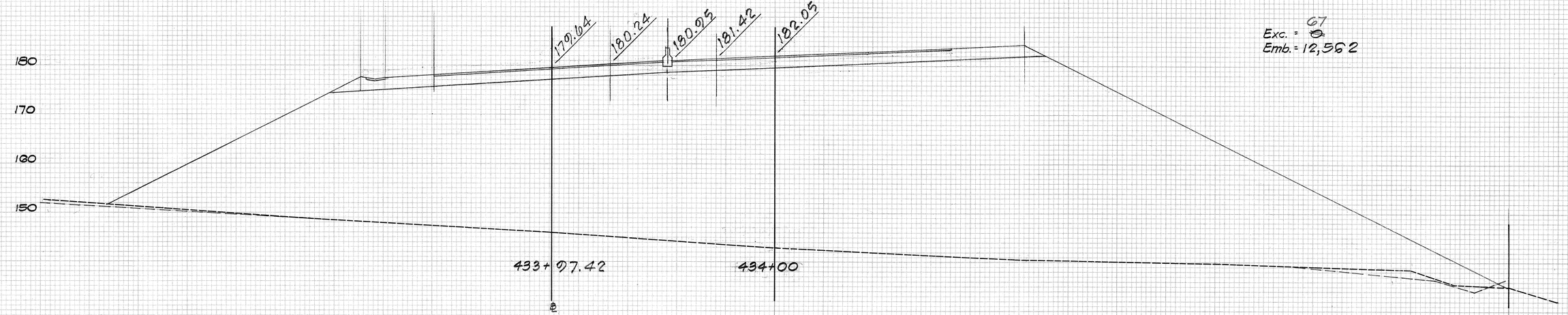
November 29, 1971

C (1) . 140

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHH-1(7)8	1030	141	181



Exc. = 0
Emb. = 12,052



Exc. = ~~67~~ 0
Emb. = 12,562

Exc. = ~~125~~ 0
Emb. = 12,365

BEN [illegible] CHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

November 29, 1971

C O . 141

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

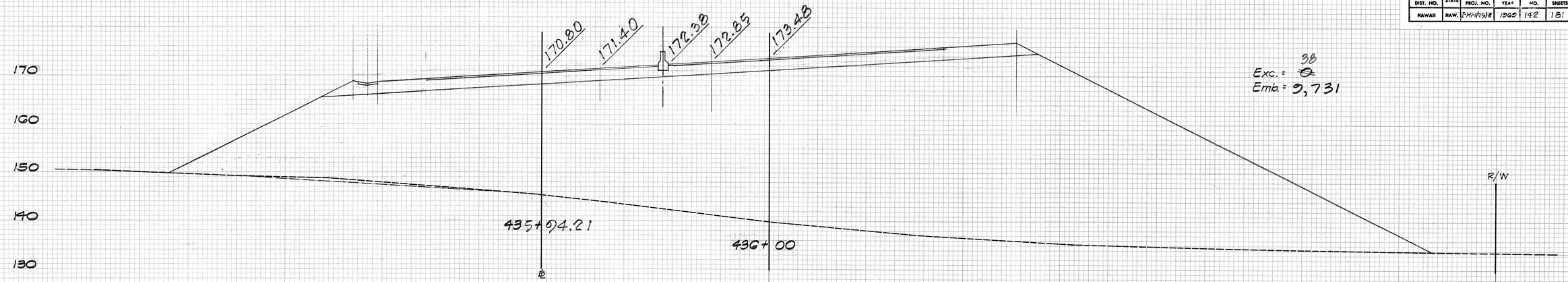
FINAL SURVEY — SURVEYED — PLOTTED — FIELD BOOK — NO. — DATE — BY — AREAS — AREAS CHECKED

PLATE 3 CROSS SECTION O. P.-R. & R. E. STANDARD
100% ACEPROOF VELLUM — MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

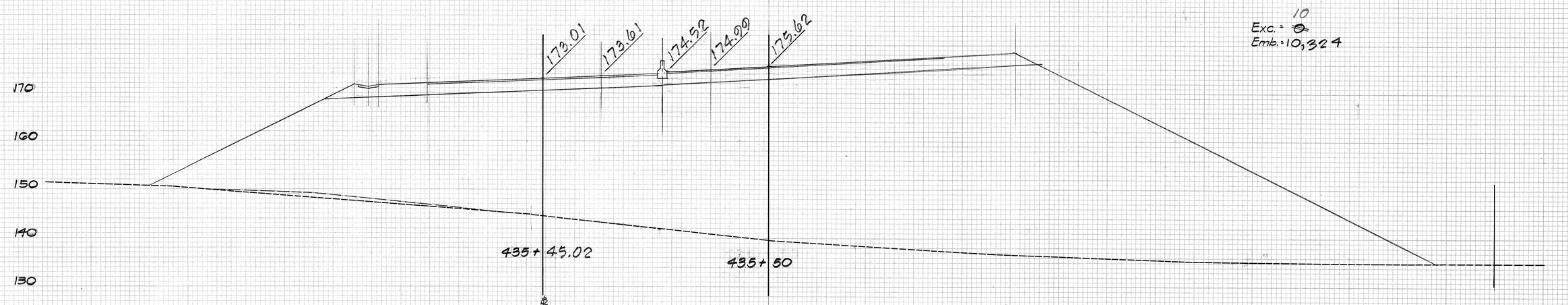
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-I(19)8	1960	142	181

FINAL SURVEY
ORIGINAL SURVEY

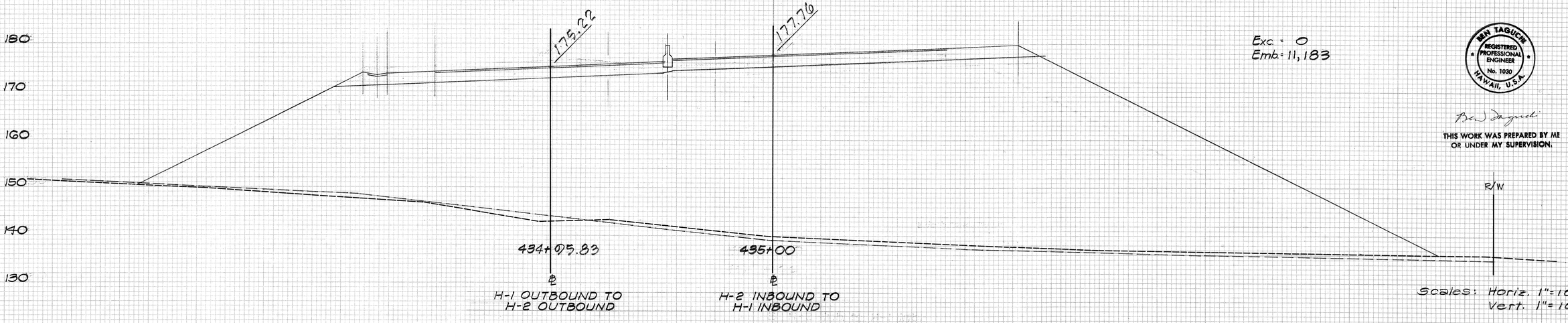
DATE | BY | SURVEYED | PLOTTED | CHECKED | AREAS | NOTE BOOK | AREAS CHECKED | NO.



Exc. = ~~0~~ 38
Emb. = 9,731



Exc. = ~~0~~ 10
Emb. = 10,324



Exc. = 0
Emb. = 11,183

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

Ben Taguchi

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

November 29, 1971

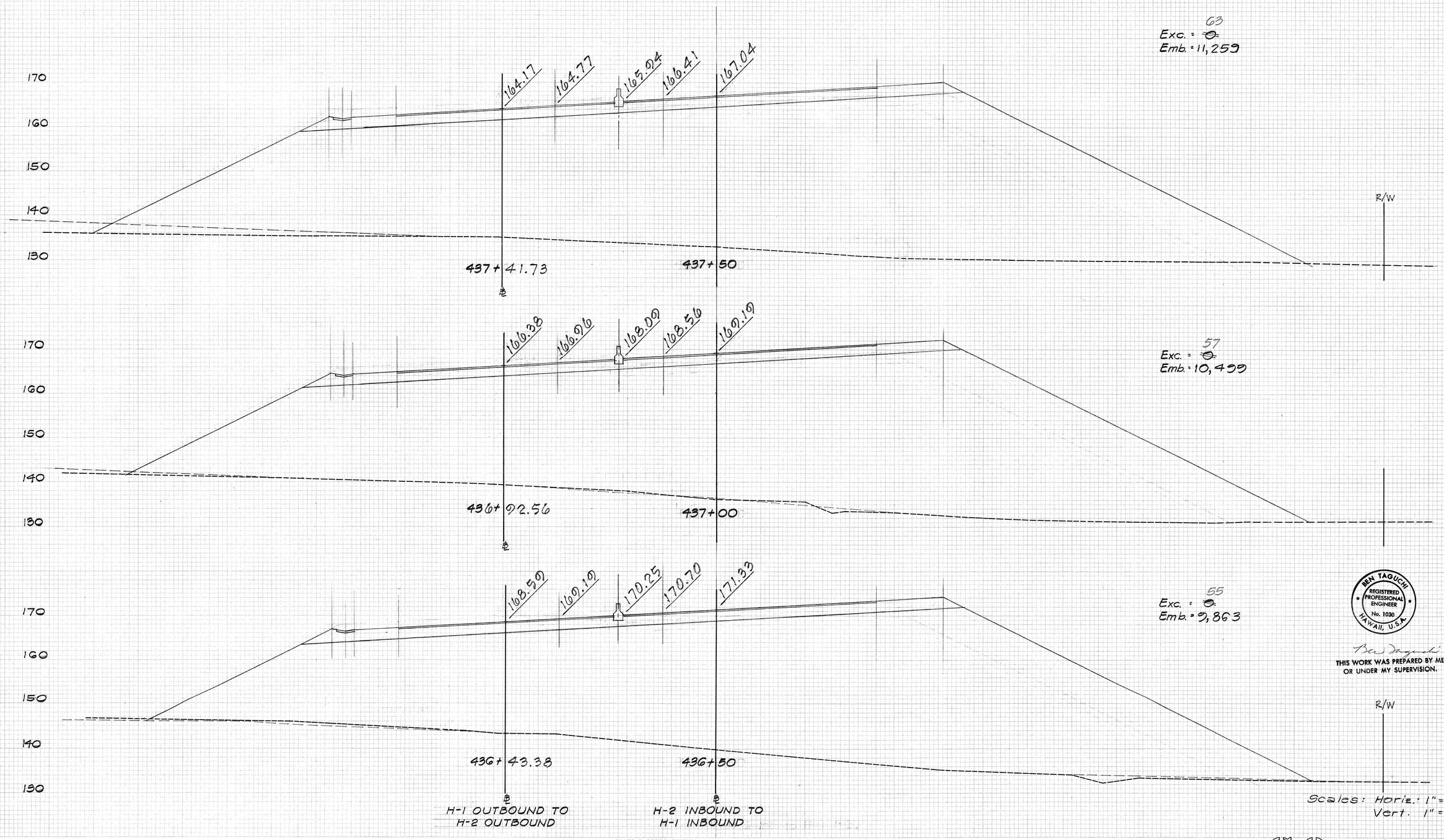
C (1) . 142

PLATE 3 CROSS SECTION G. P. & R. C. STANDARD
100% ASEPROOF VELLUM—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(19)8	1965	143	181

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

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



Exc. = ~~0~~ 63
Emb. = 11,259

Exc. = ~~0~~ 57
Emb. = 10,499

Exc. = ~~0~~ 55
Emb. = 9,863

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

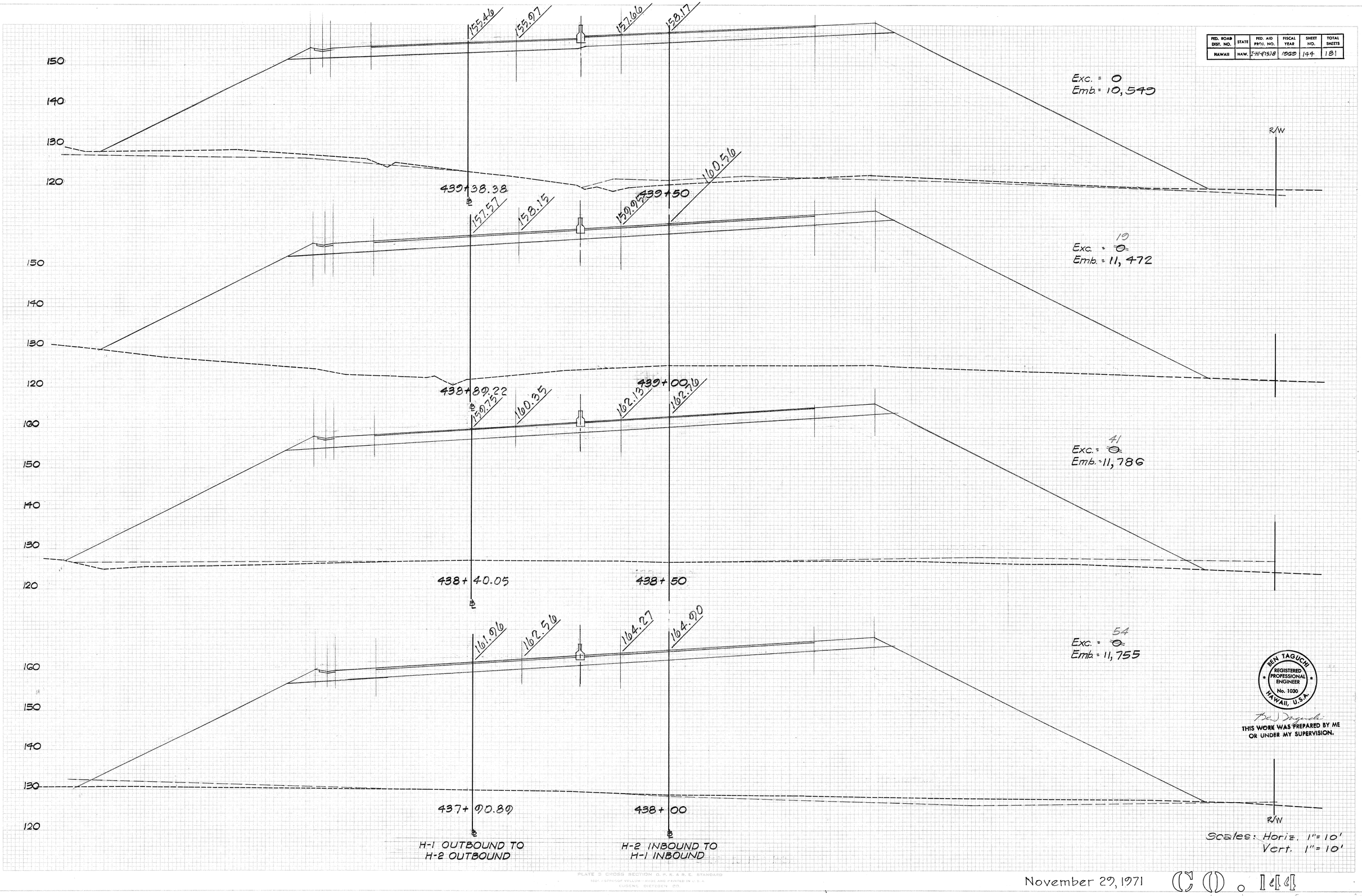
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% AGEPROOF VELLUM - MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

November 29, 1971

CO. 143

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-4(15)8	1968	144	181



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

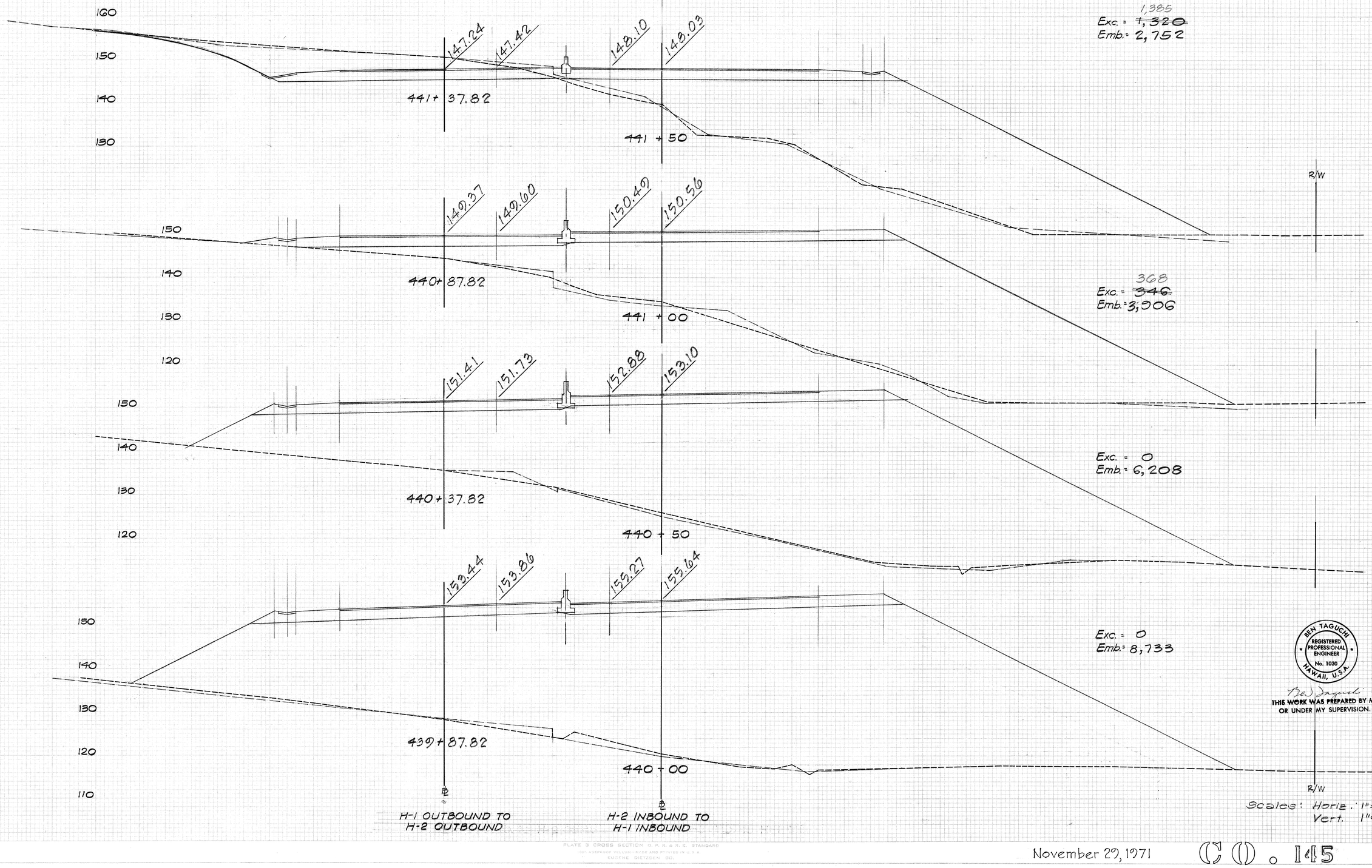
Scales: Horiz. 1"=10'
Vert. 1"=10'

November 29, 1971

CC. 144

PLATE 3 CROSS SECTION O. P. K. & R. E. STANDARD
100% PAPERPROOF VELLUM - MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHI-1(16)8	1969	145	181



Exc. = 1,385 ~~1,320~~
Emb. = 2,752

Exc. = 368 ~~346~~
Emb. = 3,906

Exc. = 0
Emb. = 6,208

Exc. = 0
Emb. = 8,733

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

FINAL SURVEY — DRAWN / TRACED / CHECKED / NOTE BOOK / SHEETS / AREAS COMPUTED / DATE

ORIGINAL SURVEY — DRAWN / TRACED / CHECKED / NOTE BOOK / SHEETS / AREAS COMPUTED / DATE

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
1201 ASEPROOF VELLUM—MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

November 29, 1971

C (1) . 145

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-1(16)8	1963	146	181

170
160
150
140

E.P.

138.45 | 138.63 | 130.16 | 138.28

443+37.82 | 443+50

5,879
Exc. = ~~5,772~~
Emb. = 231

160
150
140
130

140.65 | 140.83 | 141.39 | 141.56

442+87.22 | 443+00

R/W

5,136
Exc. = ~~5,102~~
Emb. = 879

160
150
140
130

142.85 | 143.03 | 143.56 | 143.38

442+37.82 | 442+50

4,185
Exc. = ~~3,889~~
Emb. = 1,736

160
150
140
130

145.05 | 145.23 | 145.78 | 145.62

441+87.22 | 442+00

2,800
Exc. = ~~2,491~~
Emb. = 2,347

H-1 OUTBOUND TO H-2 OUTBOUND

H-2 INBOUND TO H-1 INBOUND

R/W

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

REW TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1036
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

FINAL SURVEY — BY: DATE: PLOTTED: PLOTTED: NOTE BOOK: PAGE: DATUS: DATUS CHECKED: NO.:

ORIGINAL SURVEY — BY: DATE: PLOTTED: PLOTTED: NOTE BOOK: PAGE: DATUS: DATUS CHECKED: NO.:

PLATE 3 CROSS SECTION U. P. R. R. E. STANDARD
100 ADDRESSOGRAPH VELLUM MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

November 29, 1971

CD. 146

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H4-1(15)8	1969	147	181

R/W

150
140
130
120

E.P.

27.99' 14.0'

127.63 128.16 126.80 126.50

445+87.22 446+00 126.77

Exc. = ~~9,684~~ 9,861
Emb. = 0

R/W

160
150
140
130

129.75 129.93 130.36 129.32 129.11

26.31' 14.0'

445+37.82 445+50 129.47

Exc. = ~~8,841~~ 9,045
Emb. = 0

160
150
140
130

131.89 132.07 132.56 131.87 131.60

24.64' 14.0'

444+87.22 445+00 131.07

℄

H-2 INBOUND TO H-1 OUTBOUND

Exc. = ~~7,387~~ 7,680
Emb. = 0

R/W

160
150
140
130

134.06 134.24 134.76 134.58

444+37.82 444+50

Exc. = ~~6,631~~ 6,799
Emb. = 0

R/W

160
150
140
130

136.25 136.43 136.06 136.78

443+87.22 444+00

℄ ℄

H-1 OUTBOUND TO H-2 OUTBOUND

H-2 INBOUND TO H-1 INBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

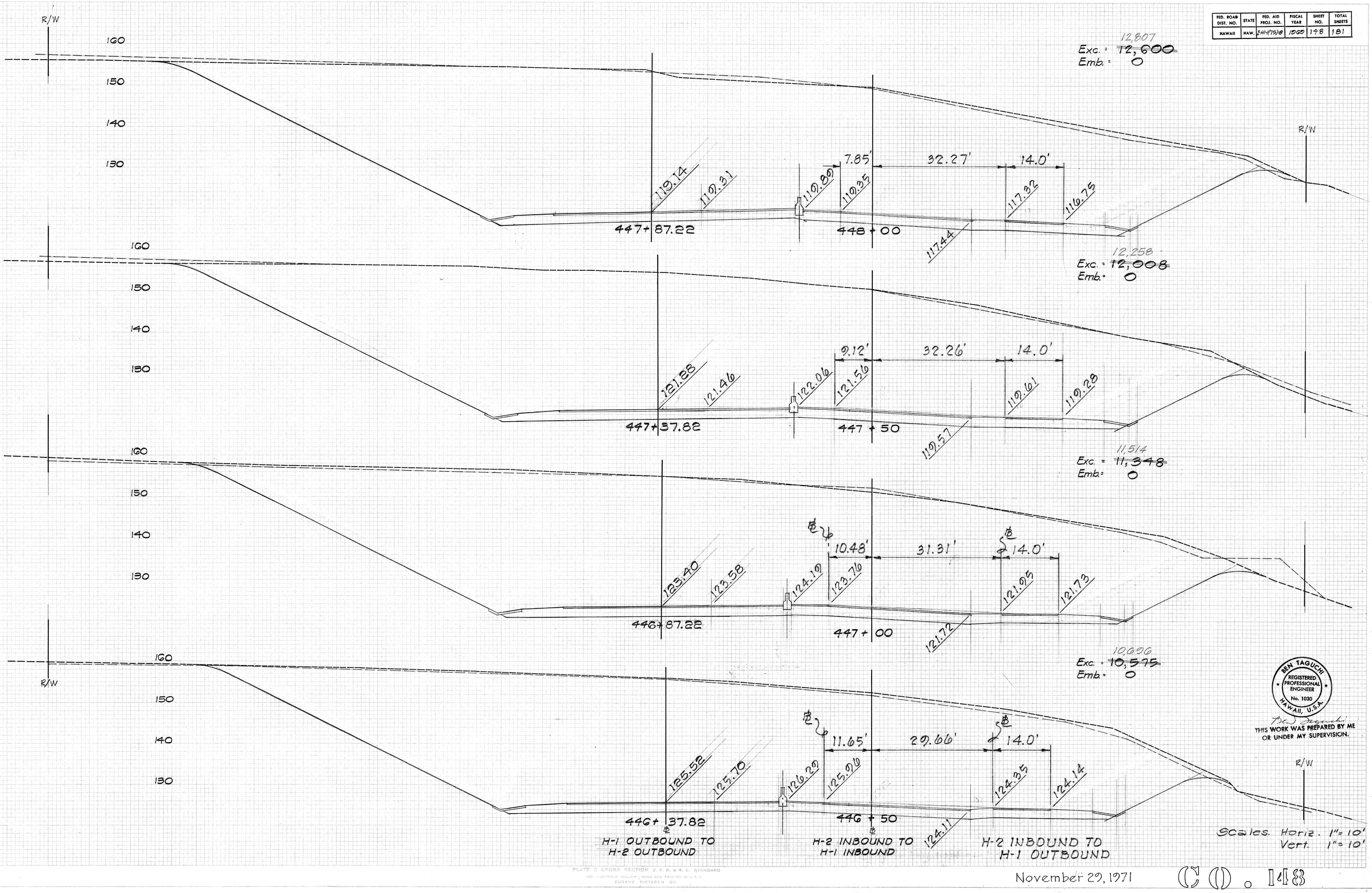
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

PLATE 3 CROSS SECTION C.P.P.R.R.I. STANDARD
OFFSET YELLOW-MARK AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

November 29, 1971

CO. 147

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HH-1(75)8	1969	148	181



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

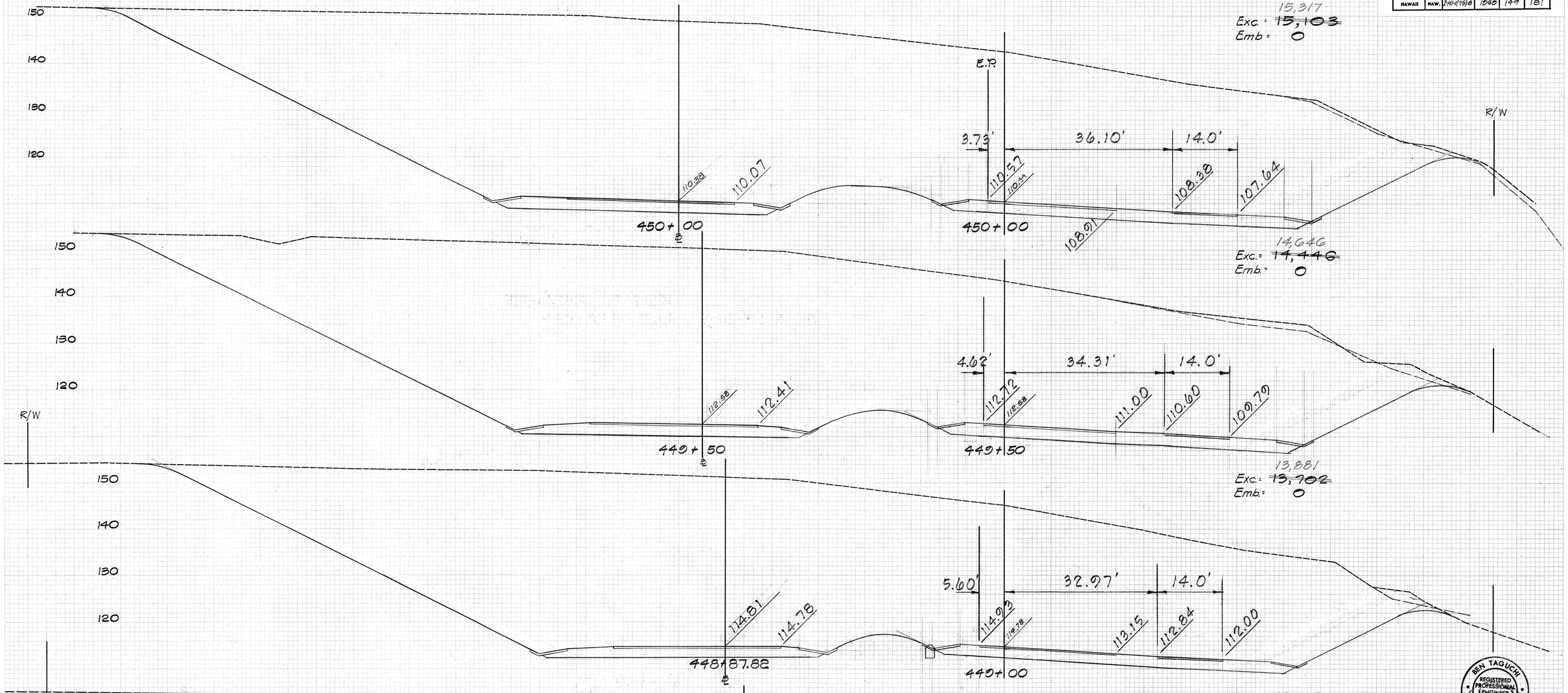
Scales. Horiz. 1"=10'
Vert. 1"=10'

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100 % VERMOF YELLOW MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

November 29, 1971

C.O. 148

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HH-1(19)8	1968	149	181



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

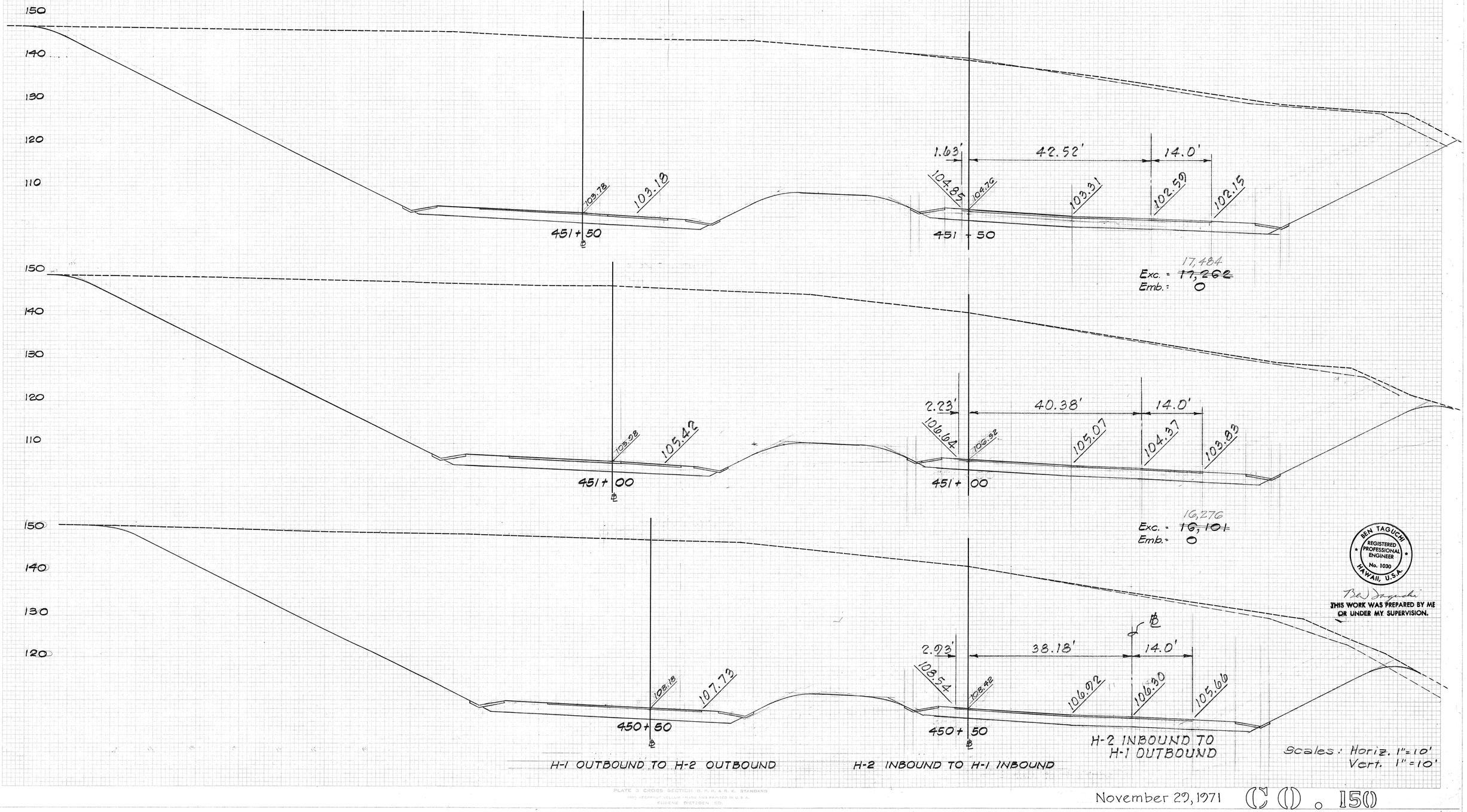
Scales. Horiz. 1"= 10'
Vert. 1"= 10'

November 29, 1971

CD. 149

PLATE 3 CROSS SECTION D.P.R. & R.E. STANDARD
100% ASERVISOR VELLUM - MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHI-H1518	1965	150	181



H-1 OUTBOUND TO H-2 OUTBOUND

H-2 INBOUND TO H-1 INBOUND

H-2 INBOUND TO H-1 OUTBOUND

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

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

B.T. Taguchi

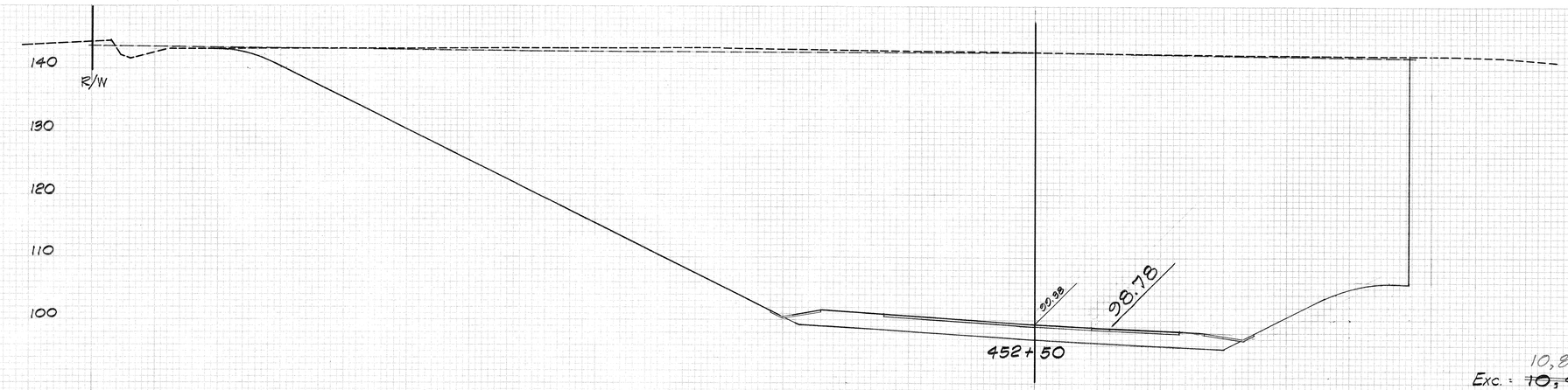
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

November 29, 1971

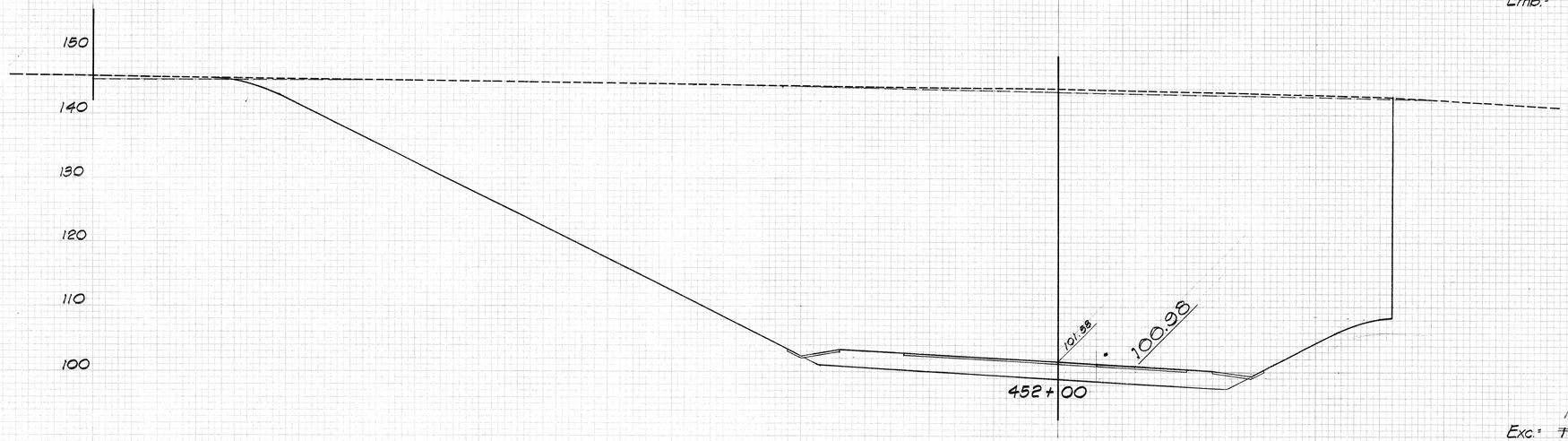
C 0 . 150

PLATE 3 CROSS SECTION U. P. R. & R. K. STANDARD
1000 ARGYROX VELLUM - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

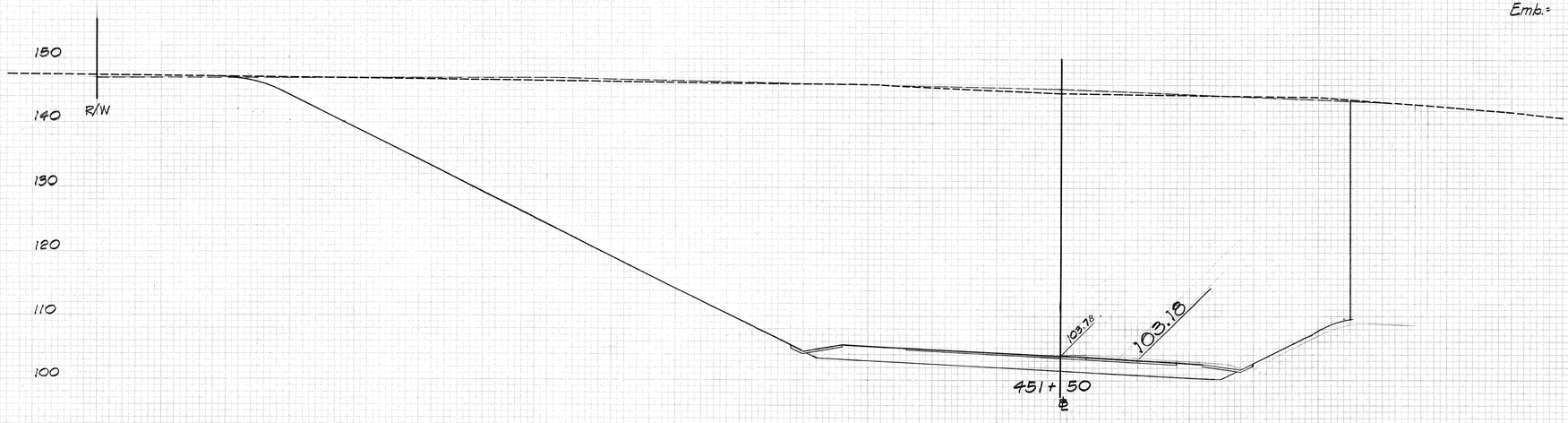
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-I75 8	1969	131	181



Exc.: ~~10,956~~ 10,828
Emb.: 0



Exc.: ~~10,233~~ 10,130
Emb.: 0



H-1 OUTBOUND TO H-2 OUTBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

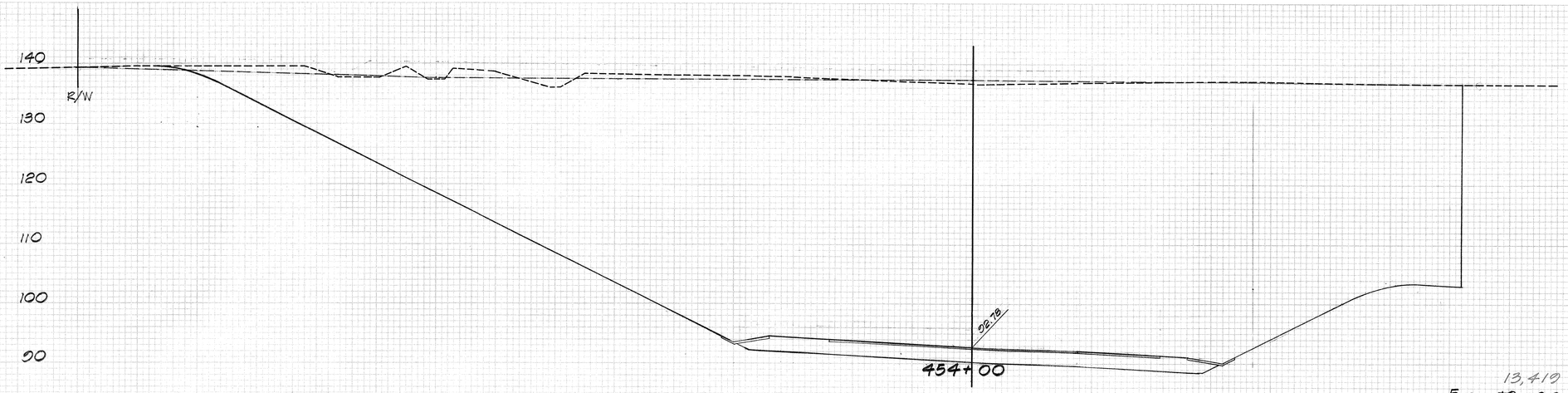
Scales: Horiz. 1"=10'
Vert. 1"=10'

November 29, 1971

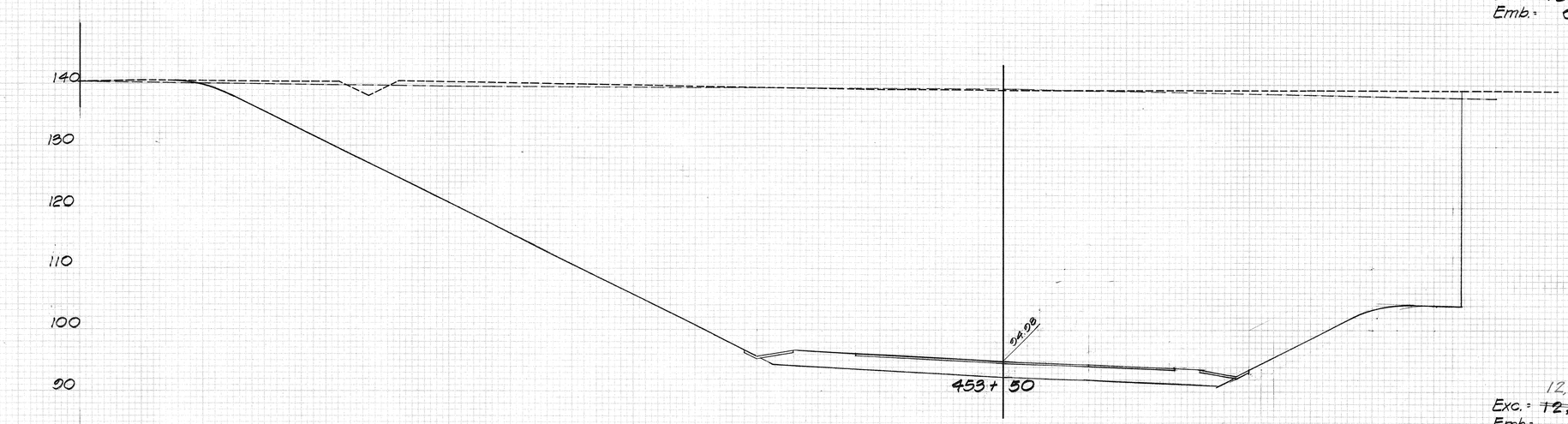
(C (1) o 151

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
100% RECYCLED VELLUM—MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

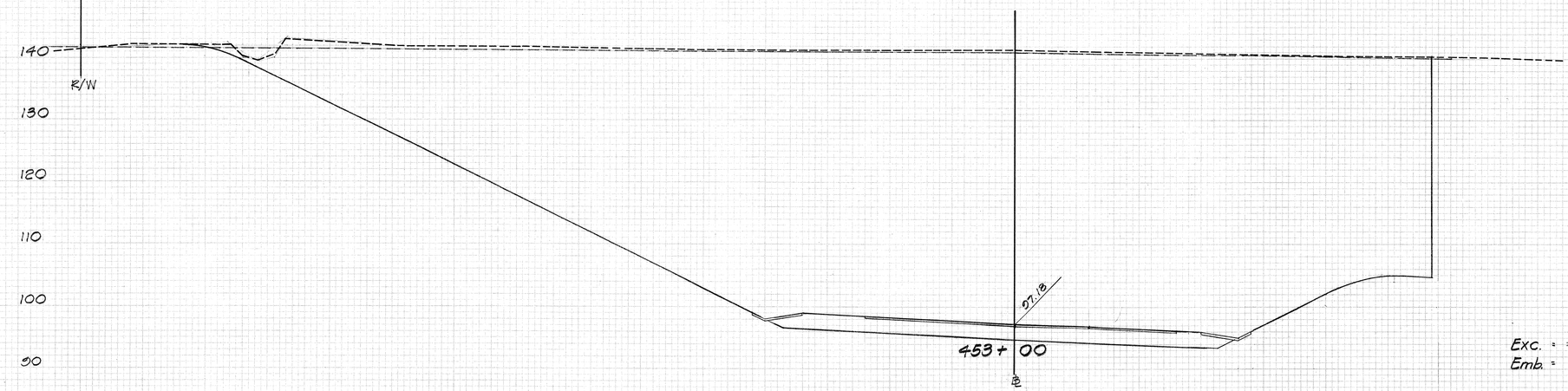
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(79)8	1960	152	181



13,419
Exc. = ~~13,182~~
Emb. = 0



12,743
Exc. = ~~12,506~~
Emb. = 0



11,913
Exc. = ~~11,734~~
Emb. = 0

H-1 OUTBOUND TO H-2 OUTBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

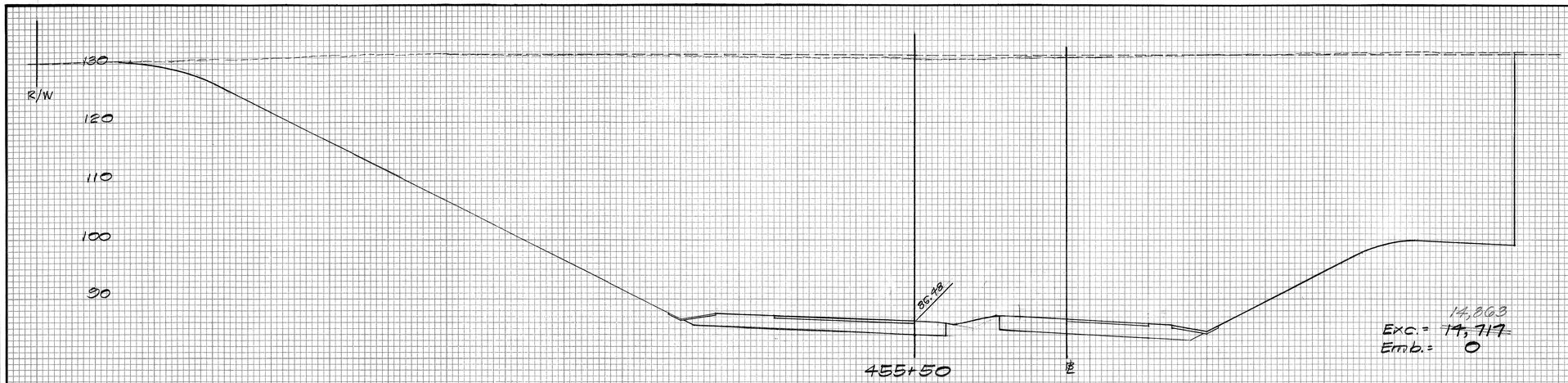
PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
1956 ACKERMOT ROLLUK, 1960, AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

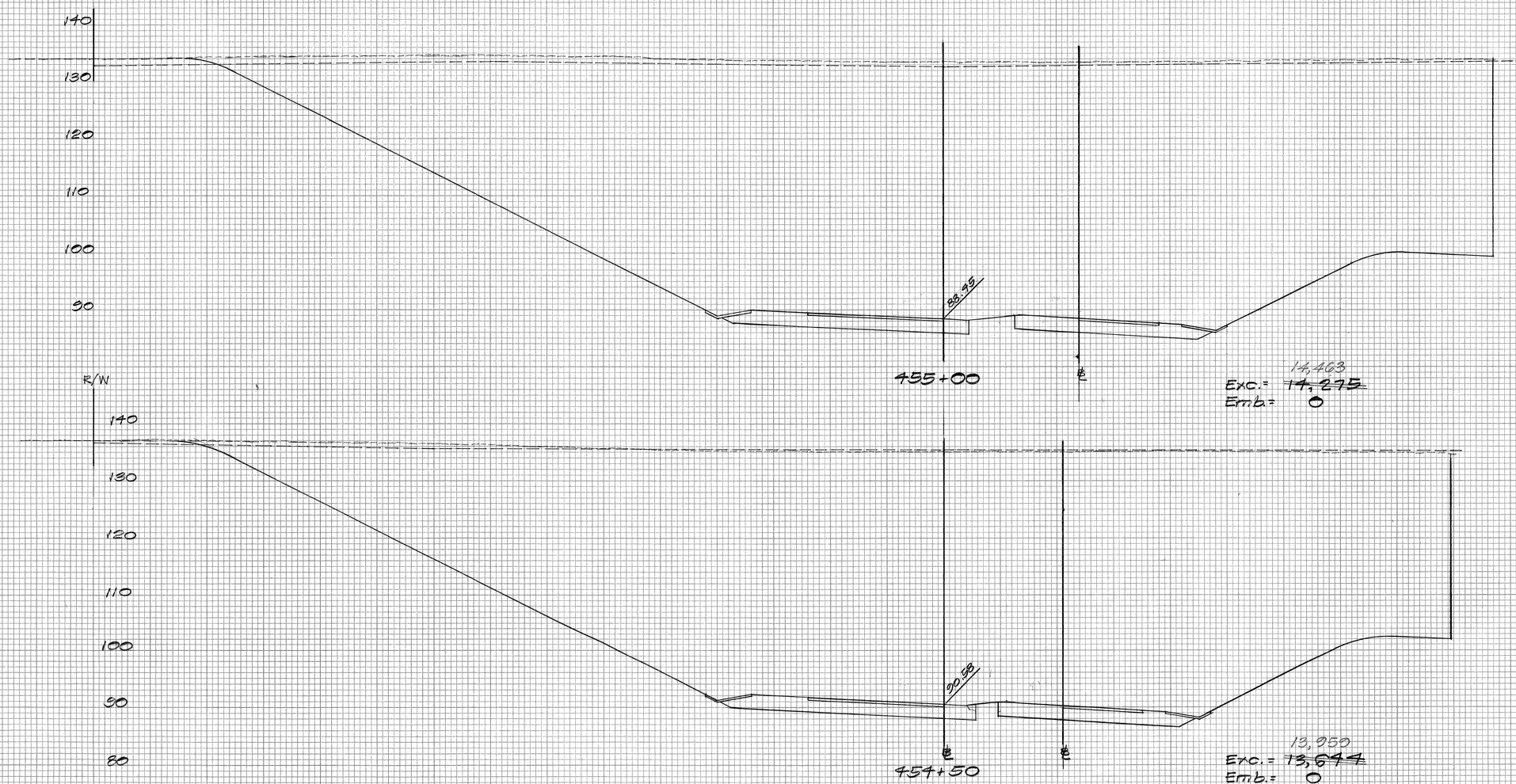
152

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1060	153	181

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

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





H-1 OUTBOUND TO H-2 OUTBOUND H-1 INBOUND TO H-2 OUTBOUND

KEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

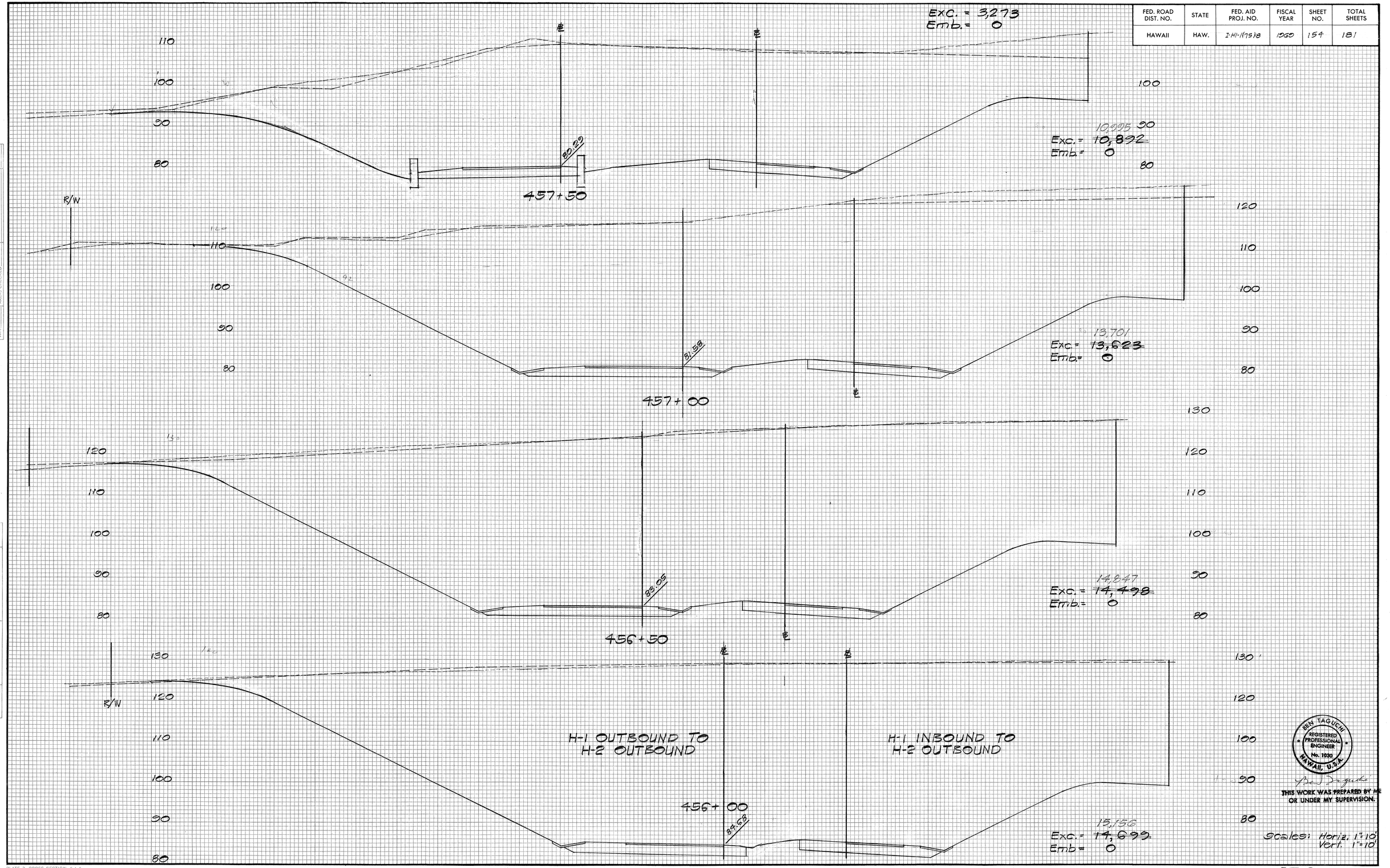
Scales: Horiz. 1"=10'
Vert. 1"=10'

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.
NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1960	154	181

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

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



HEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

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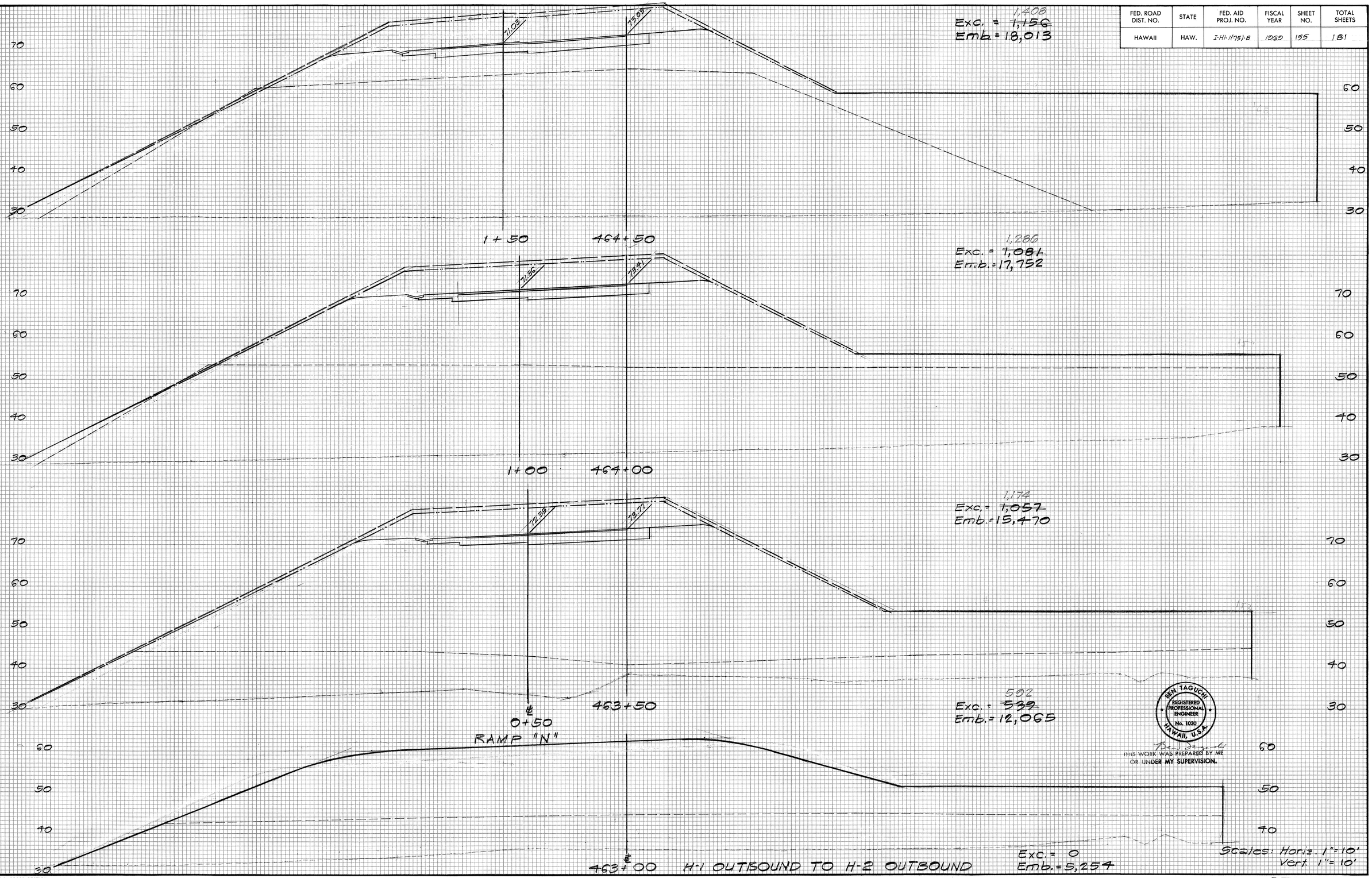
Scales: Horiz. 1"=10'
Vert. 1"=10'

PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(175)18	1969	155	181



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

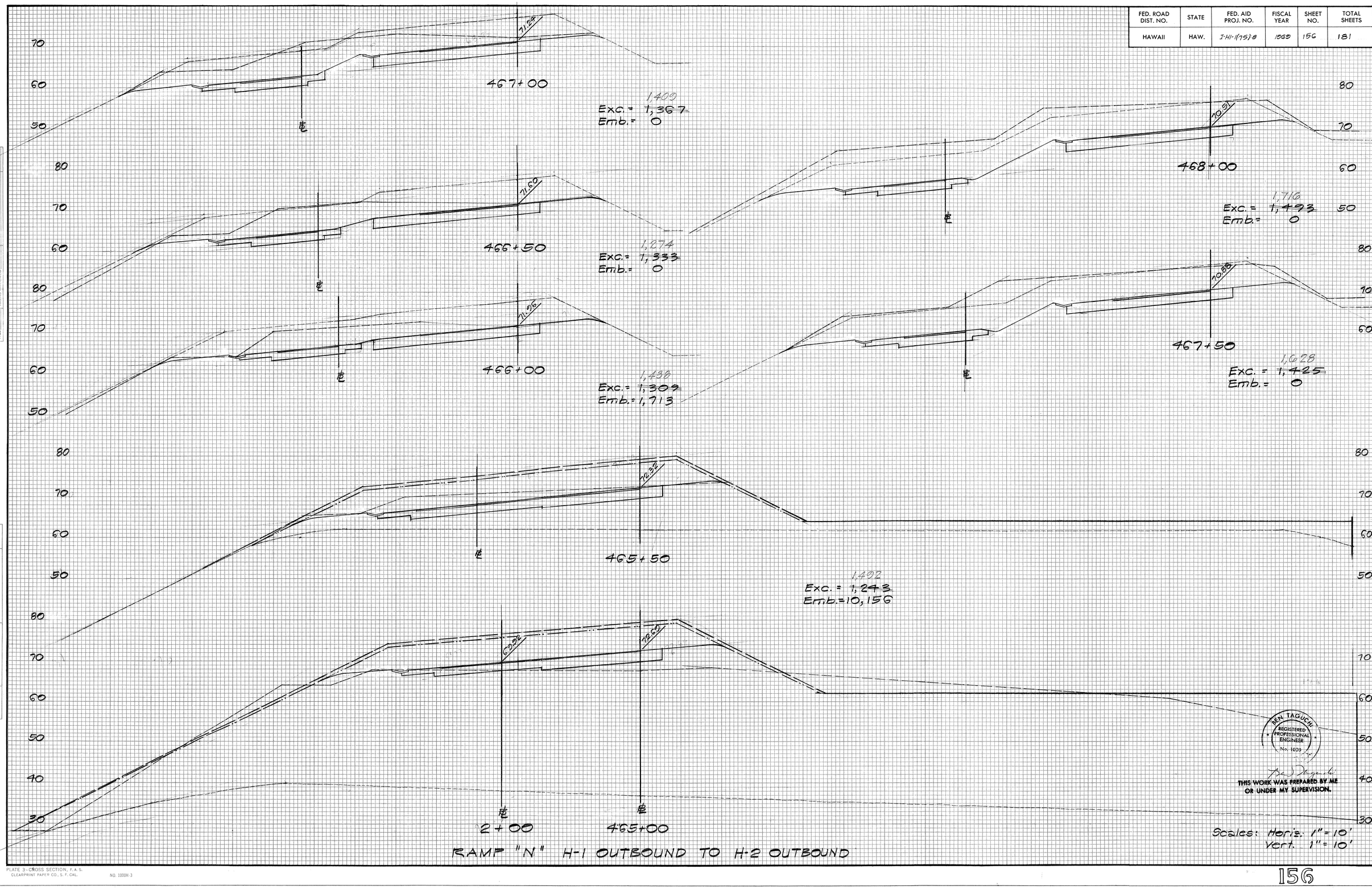
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

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

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

PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1968	156	181



RAMP "N" H-1 OUTBOUND TO H-2 OUTBOUND

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

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1009

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

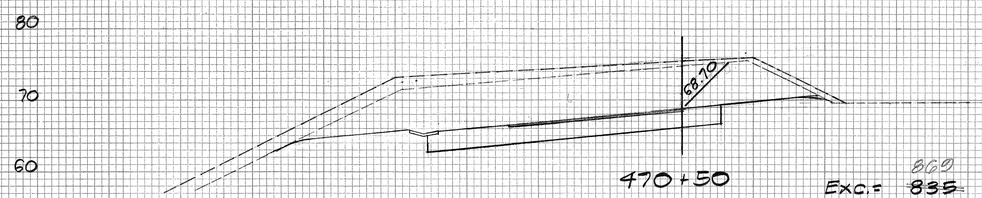
ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, BY, DATE

PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

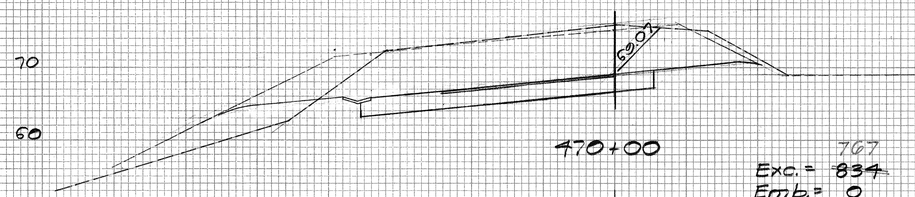
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1969	157	181

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

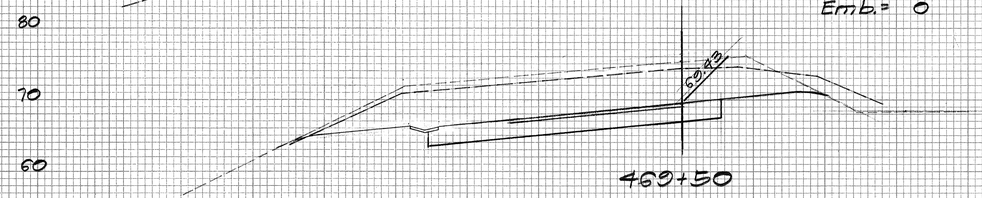
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE



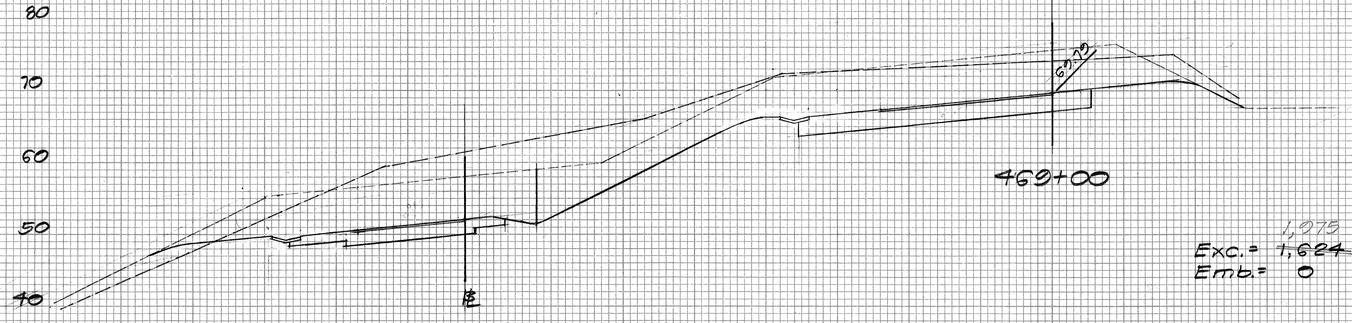
Exc.= ~~835~~ 869
Emb.= 0



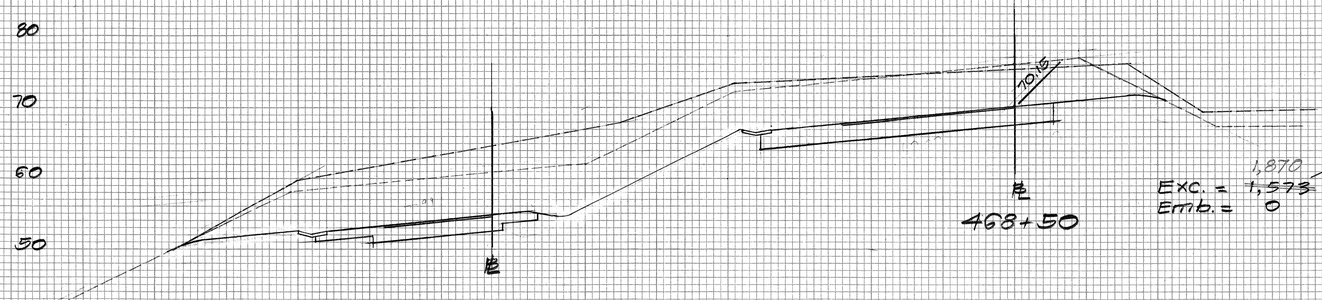
Exc.= ~~834~~ 767
Emb.= 0



Exc.= ~~922~~ 935
Emb.= 0



Exc.= ~~1,624~~ 1,075
Emb.= 0

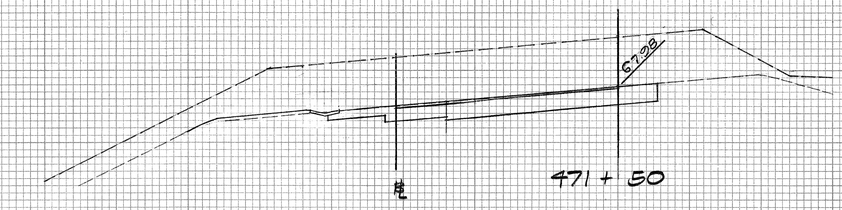


Exc.= ~~1,573~~ 1,870
Emb.= 0

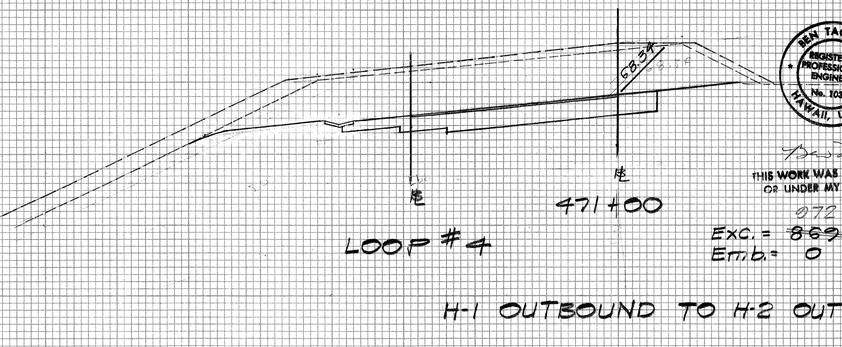
RAMP "N"

H-1 OUTBOUND TO H-2 OUTBOUND

Exc.= ~~215~~ 140
Emb.= 0



Exc.= ~~554~~ 589
Emb.= 0



Exc.= ~~869~~ 972
Emb.= 0

LOOP #4

H-1 OUTBOUND TO H-2 OUTBOUND

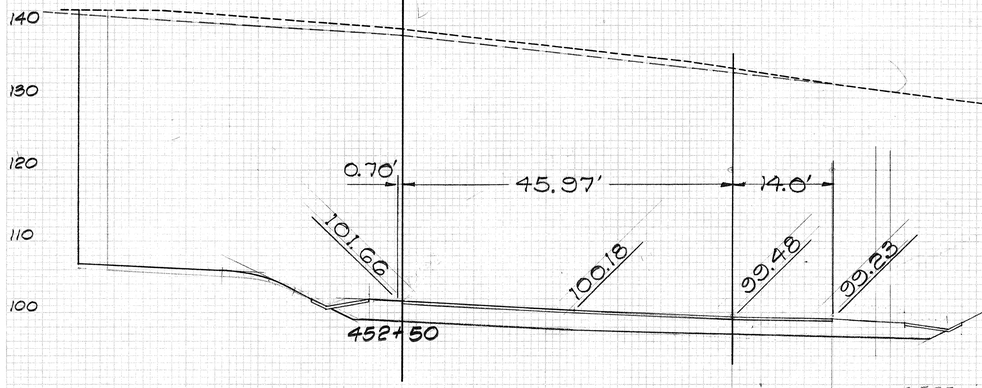
BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

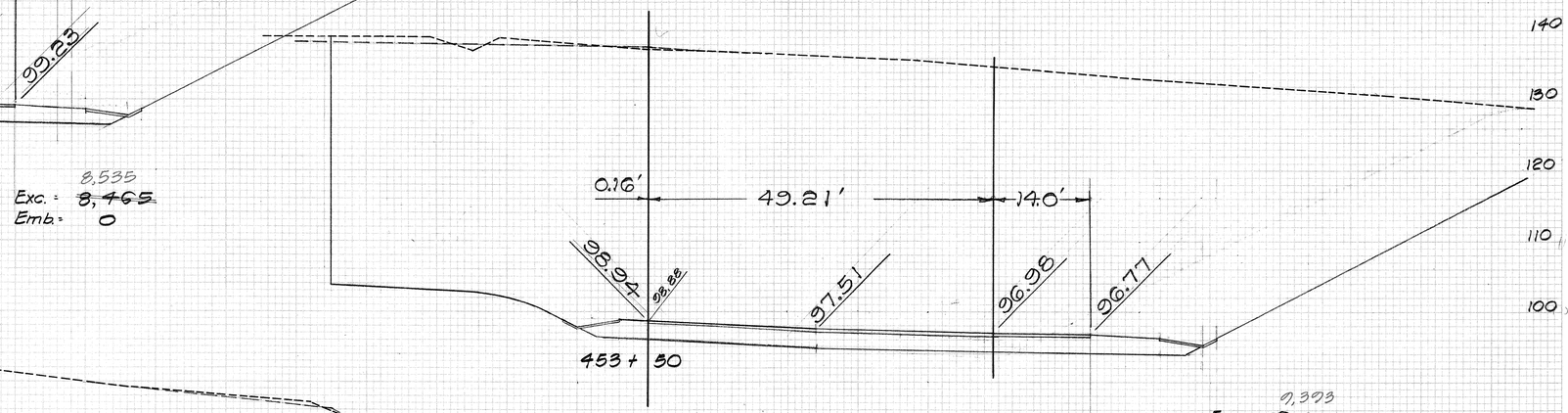
Scales: Horiz. 1"=10'
Vert 1"=10'

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

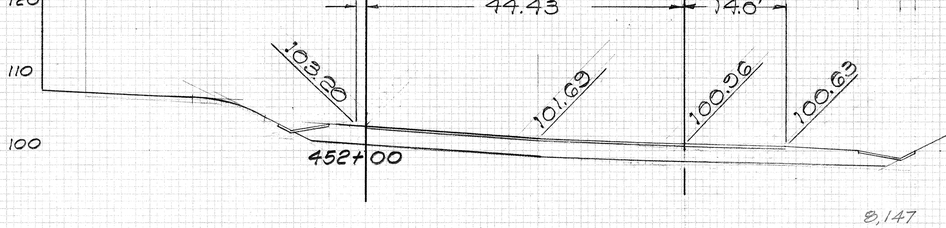
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHPI(79)8	1972	158	181



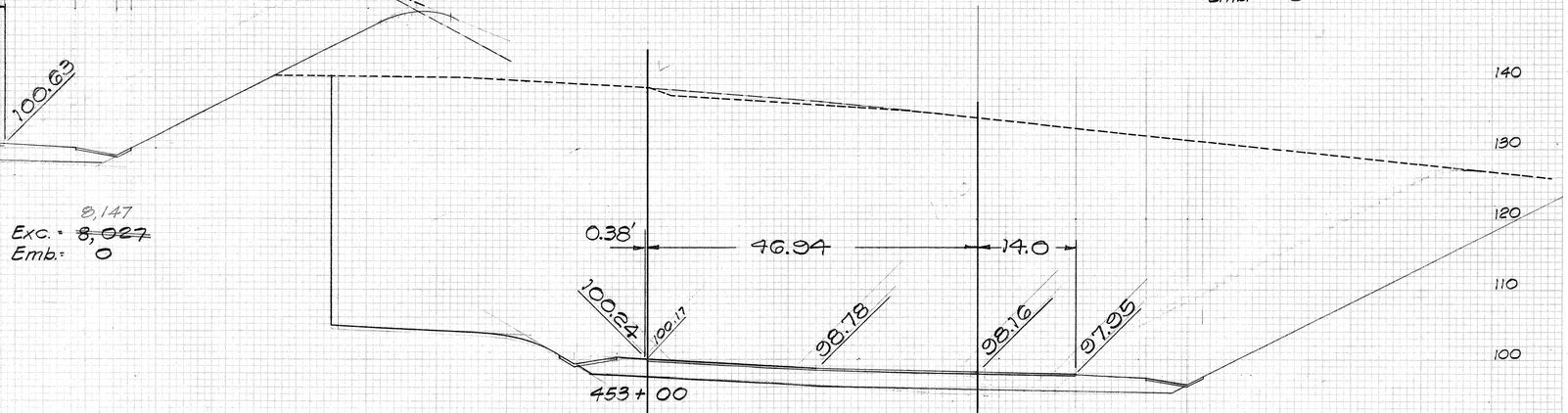
Exc. = ~~9,804~~ 9,861
Emb. = 0



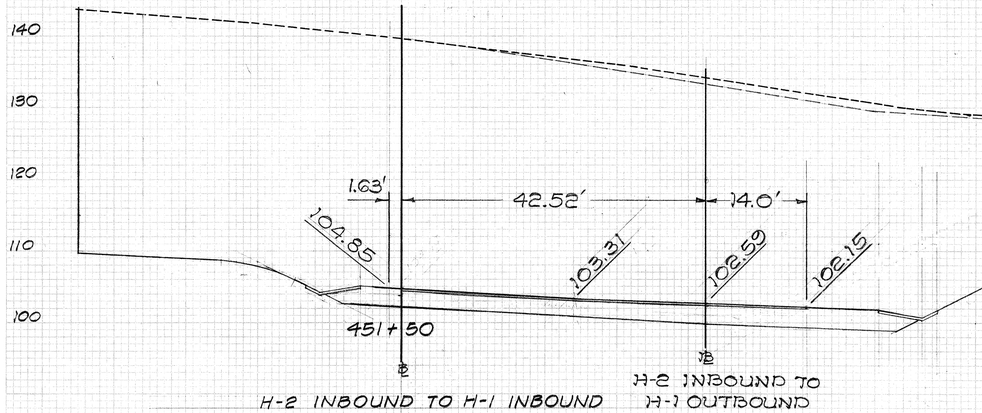
Exc. = ~~8,465~~ 8,535
Emb. = 0



Exc. = ~~8,027~~ 8,147
Emb. = 0



Exc. = ~~8,865~~ 8,903
Emb. = 0



H-2 INBOUND TO H-1 INBOUND

H-2 INBOUND TO H-1 OUTBOUND

H-2 INBOUND TO H-1 INBOUND

H-2 INBOUND TO H-1 OUTBOUND

R/W

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

B. Taguchi

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

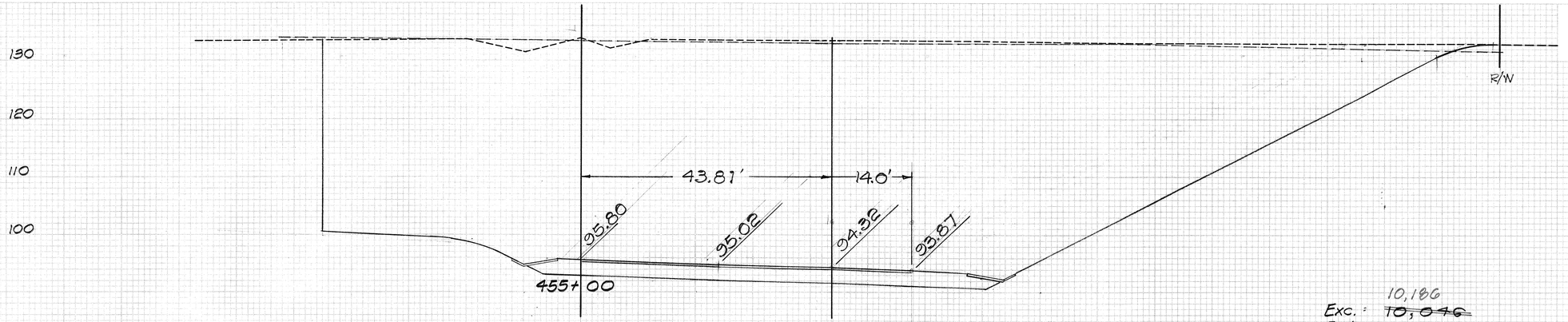
Scales: Horiz. 1"= 10'
Vert. 1"= 10'

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
100 % ESSEX VELLUM MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

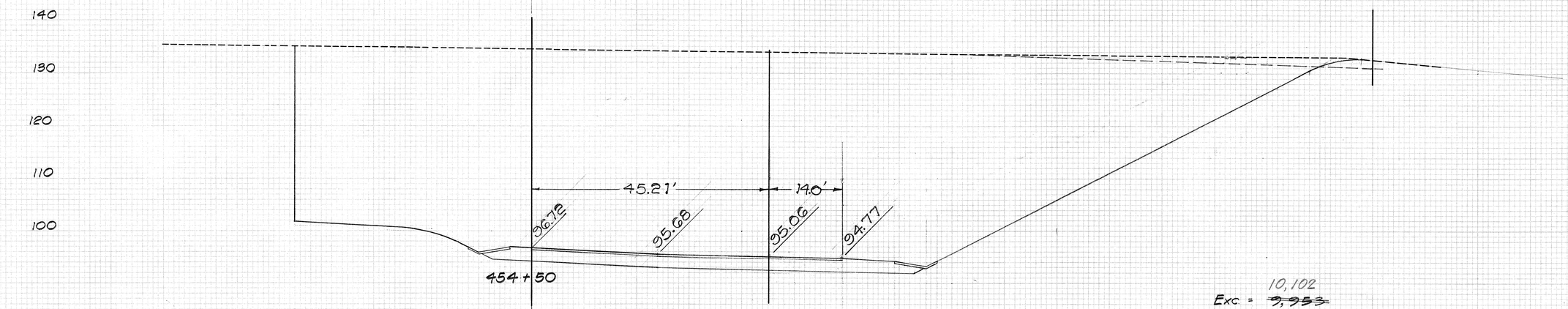
November 29, 1971

C D. 158

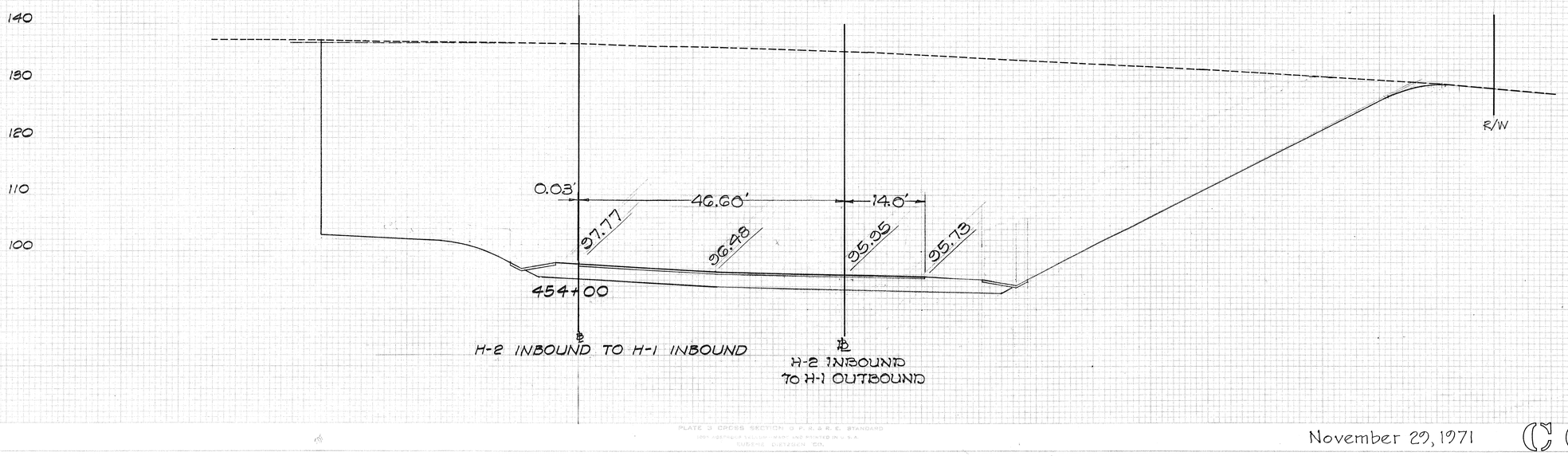
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(79)8	1965	159	181



Exc. = ~~10,046~~ 10,186
Emb. = 0



Exc. = ~~9,953~~ 10,102
Emb. = 0



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

Ben Taguchi

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

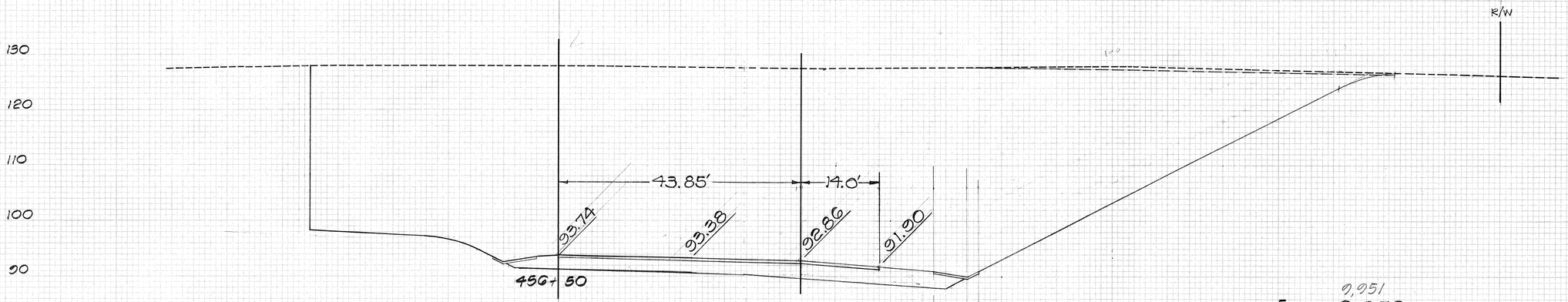
Scales: Horiz. 1"=10'
Vert. 1"=10'

November 29, 1971

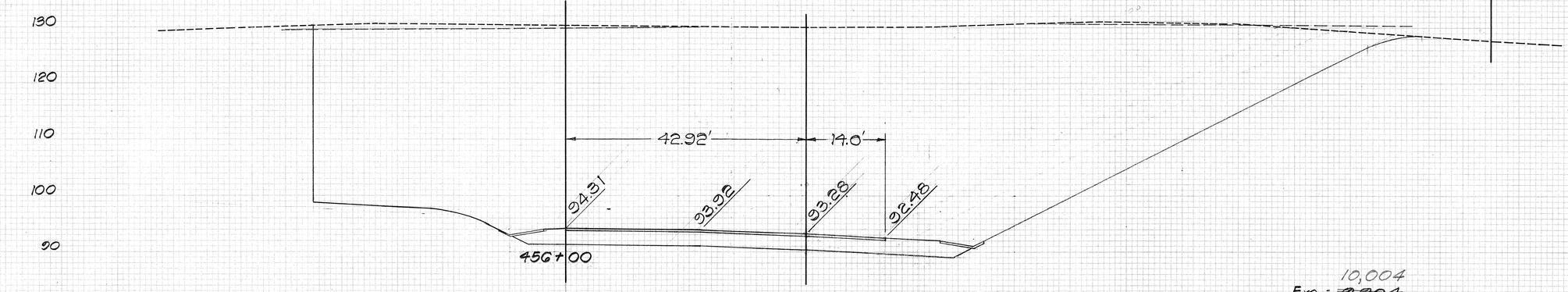
CO. 159

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
100% RECYCLED PAPER MADE AND PRINTED IN U.S.A.
SUBSIDE DIETZGEN CO.

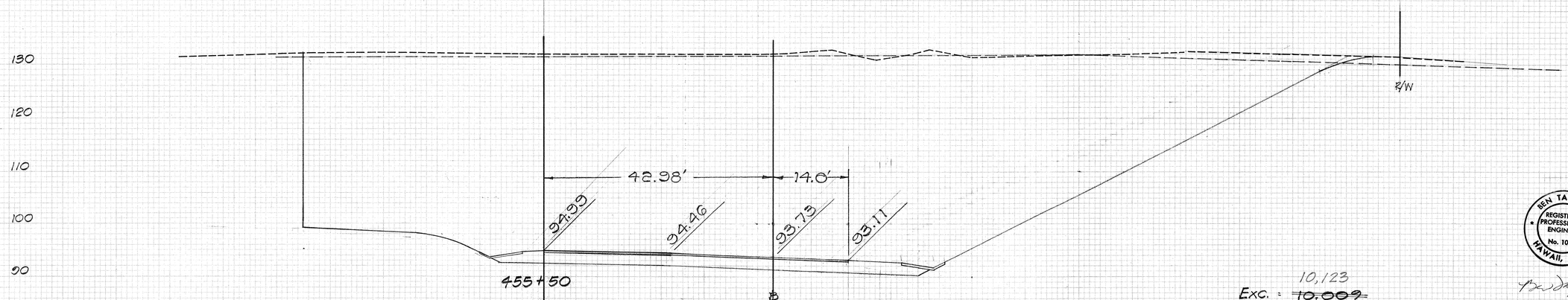
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-I-1(8)	1965	160	181



Exc. = ~~2,951~~ ~~2,758~~
Emb. = 0



Exc. = ~~9,904~~ 10,004
Emb. = 0



Exc. = ~~10,009~~ 10,123
Emb. = 0

H-2 INBOUND TO H-1 OUTBOUND

H-2 INBOUND TO H-1 INBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% ASEPROOF YELLOW-TINGED AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

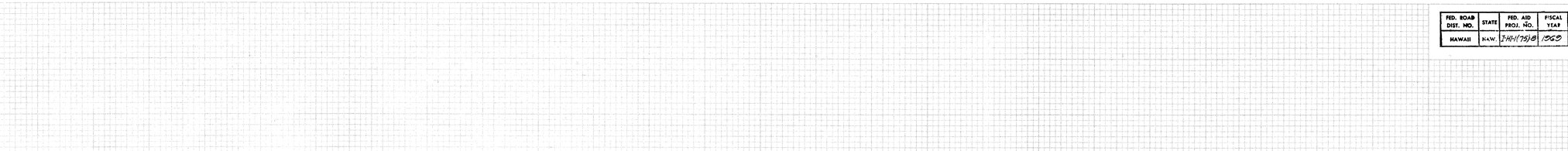
November 29, 1971

CD. 160

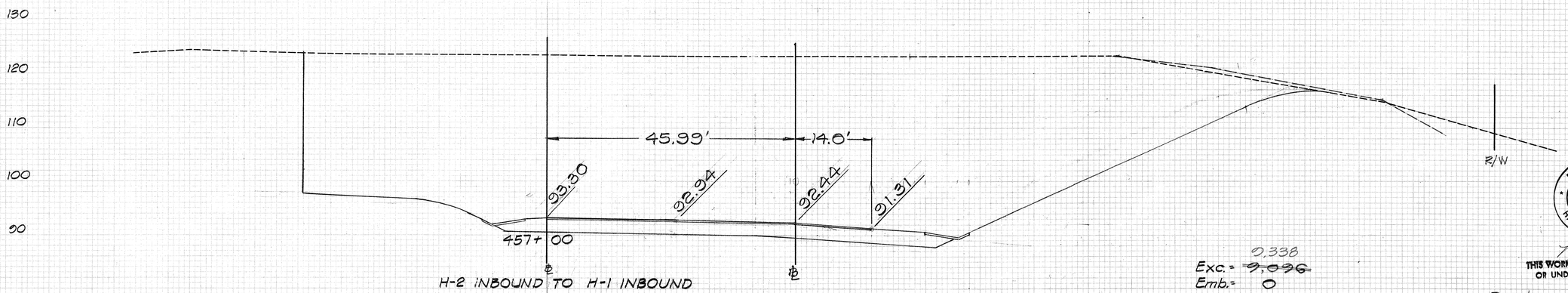
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HH-(75)8	1968	161	181

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

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



Exc. = ~~2,424~~ 1,260
Emb. = 0



H-2 INBOUND TO H-1 INBOUND

H-2 INBOUND TO H-1 OUTBOUND

Exc. = ~~5,069~~ 6,365
Emb. = 0

Exc. = ~~3,036~~ 2,338
Emb. = 0

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

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

PLATE 3 CROSS SECTION O.P.R.&.D. STANDARD
100% ALBERMUR VELLUM - MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

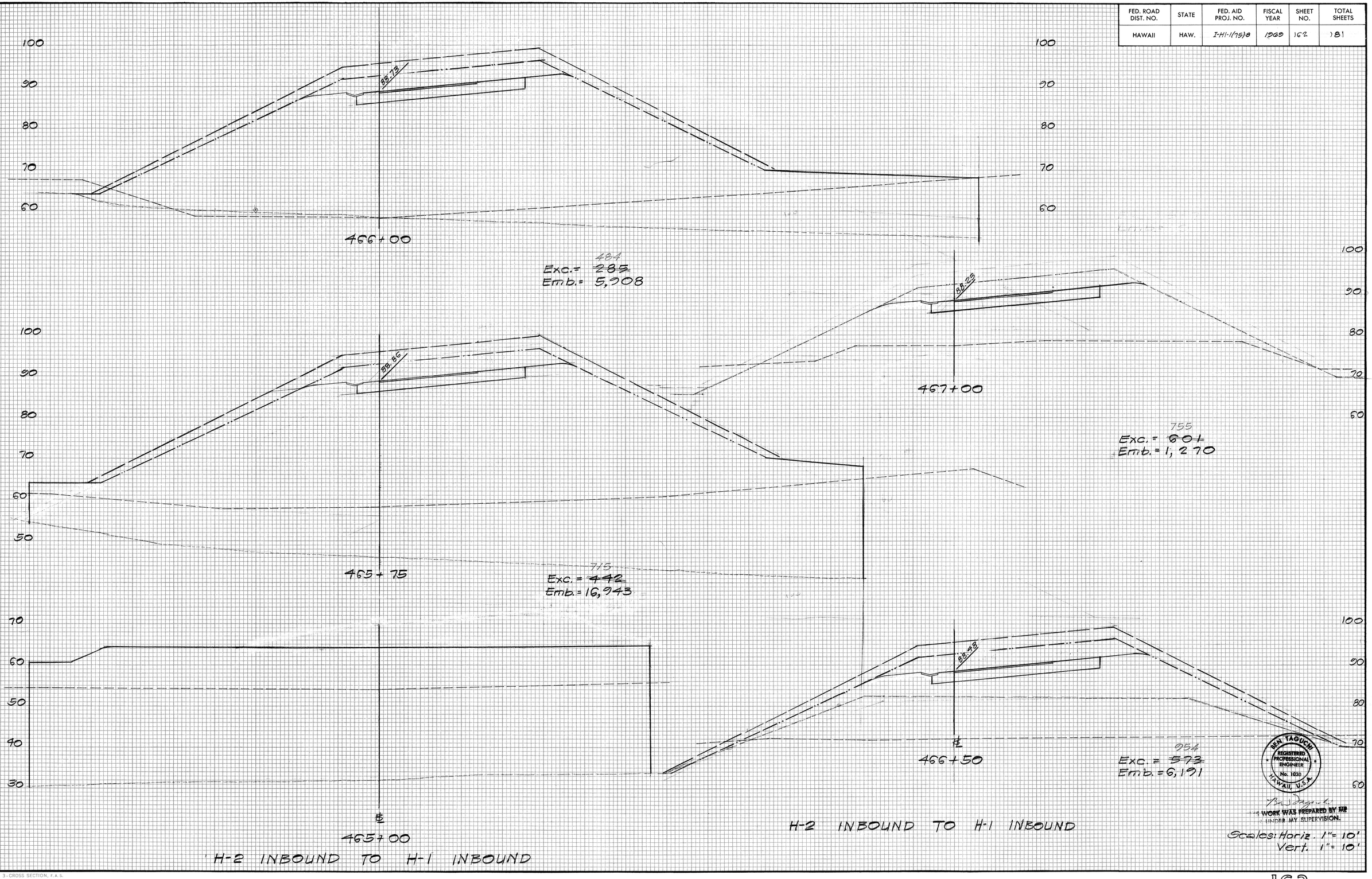
November 29, 1971

C(1) o 161

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1968	162	181

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

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



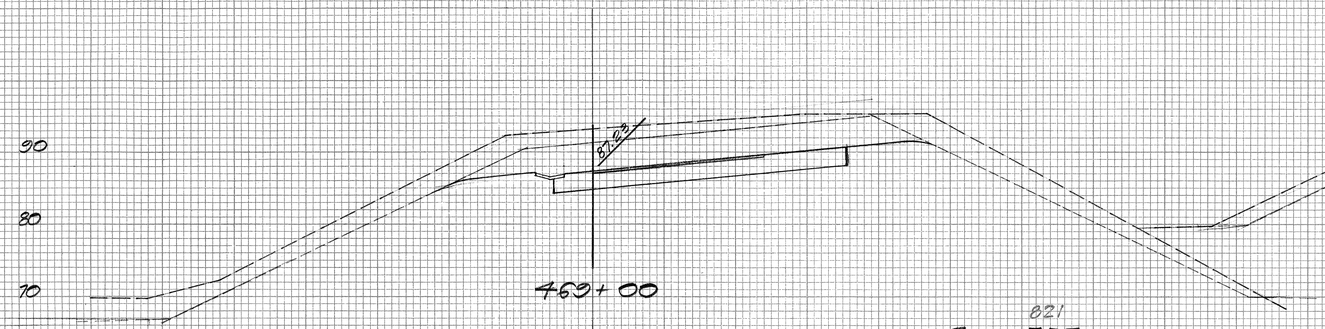
BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII U.S.A.

I HEREBY CERTIFY THAT THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

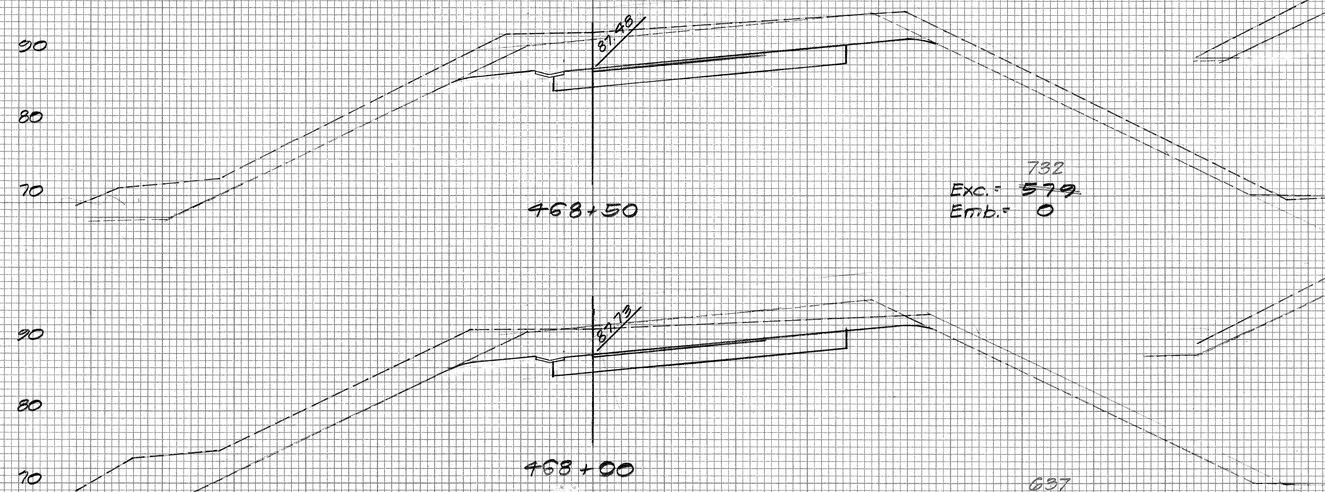
PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1969	163	181



463+00

Exc.= 821 ~~597~~
Emb.= 0

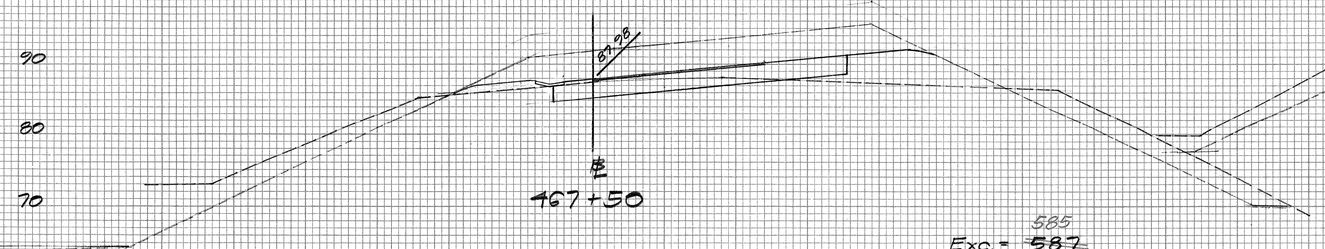


468+50

Exc.= 732 ~~579~~
Emb.= 0

468+00

Exc.= 637 ~~573~~
Emb.= 0

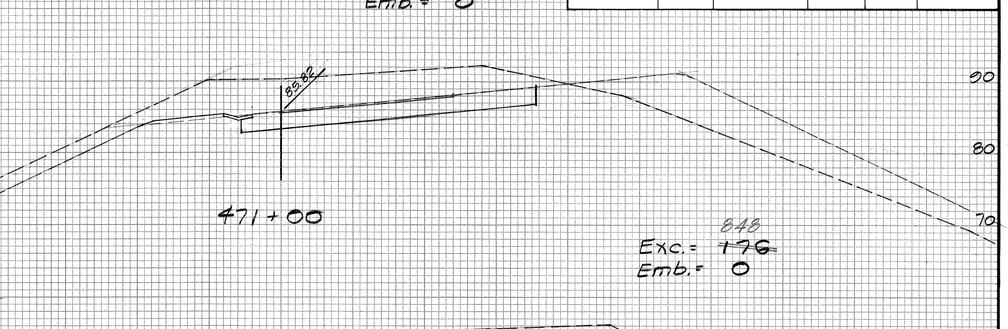


467+50

Exc.= 585 ~~587~~
Emb.= 0

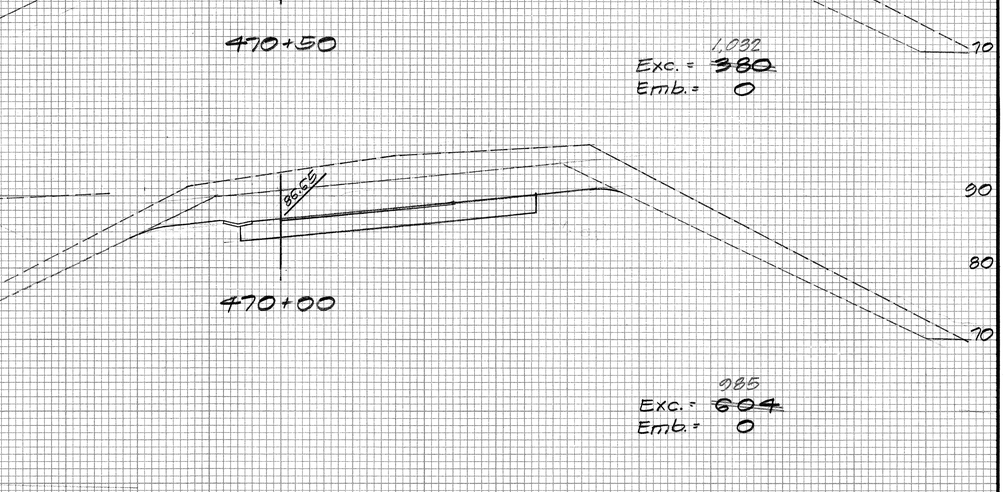
H-2 INBOUND TO H-1 INBOUND

Exc.= 202 ~~117~~
Emb.= 0



471+00

Exc.= 848 ~~176~~
Emb.= 0

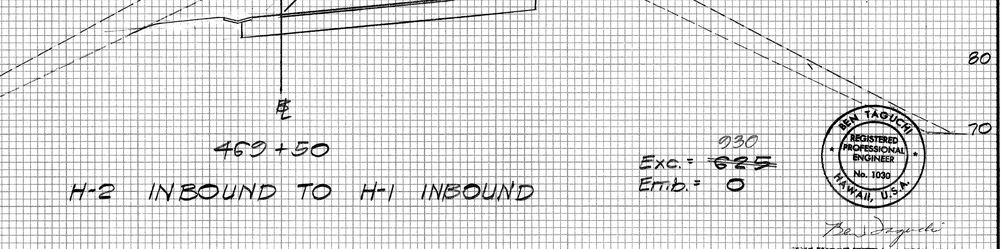


470+50

Exc.= 1032 ~~380~~
Emb.= 0

470+00

Exc.= 985 ~~604~~
Emb.= 0



469+50

Exc.= 930 ~~625~~
Emb.= 0

H-2 INBOUND TO H-1 INBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

Ben Taguchi

THIS WORK WAS PREPARED BY ME UNDER MY SUPERVISION.

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

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

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

PLATE 3-CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75):8	1969	CO.163S-1	181

℄

100
80
60

467+50

100
80
60

100
80
60

467+00

100
80
60

100
80
60

466+50

100
80
60

100
80
60

466+00

H-2 INBOUND TO H-1 INBOUND

℄

SCALE: Hor. 1"=20'
Vert. 1"=20'

CO.163S-1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75):8	1969	CO.163S2	181

℄

100
80
60

469 + 50

100
80
60

100
80
60

469 + 00

100
80
60

100
80
60

468 + 50

100
80
60

100
80
60

468 + 00

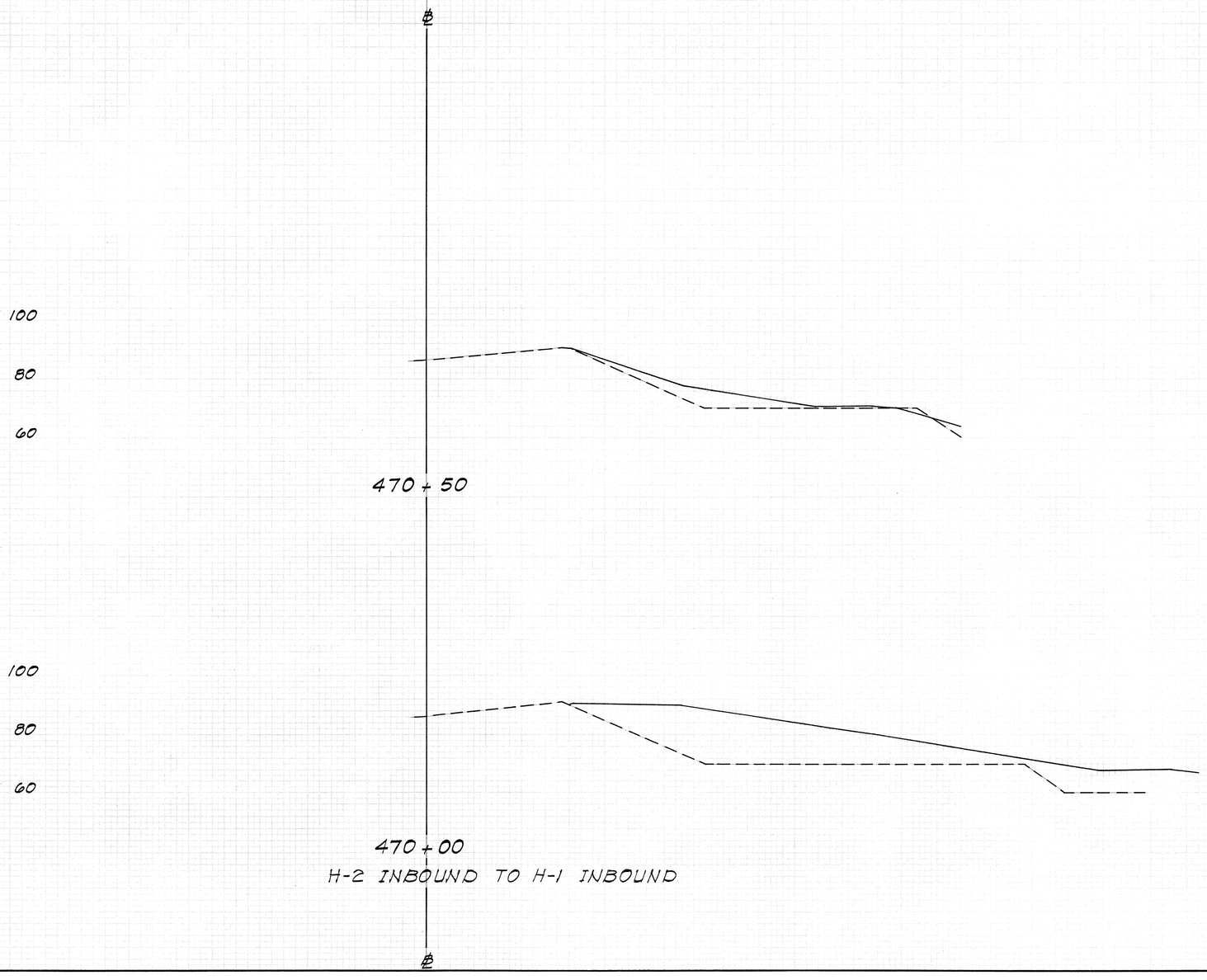
H-2 INBOUND TO H-1 INBOUND

℄

SCALE: Hor. 1"=20'
Vert. 1"=20'

CO.163 S-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1969	C0.1635	181

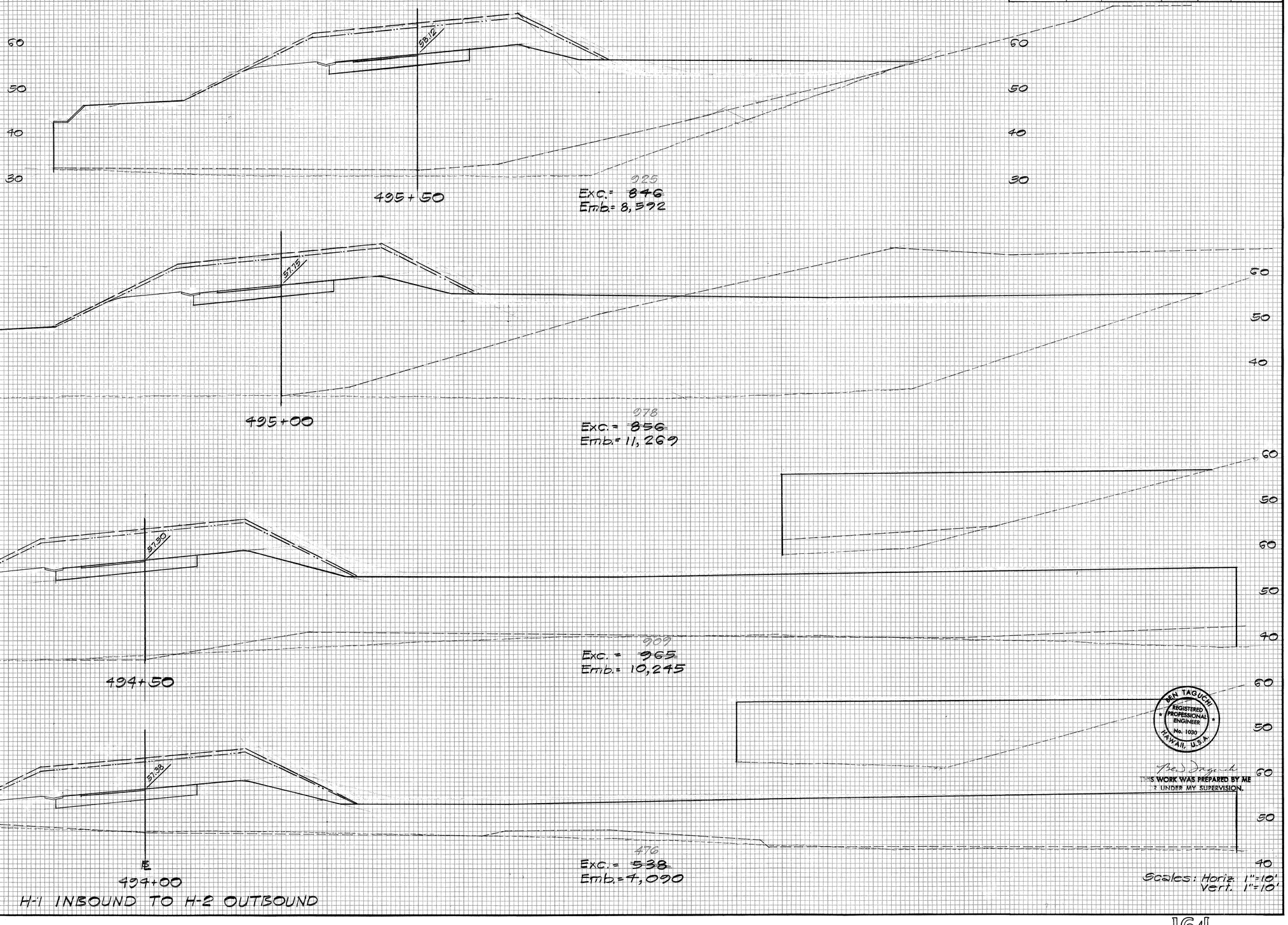


H-2 INBOUND TO H-1 INBOUND

SCALE: Hor. 1"=20'
Vert. 1"=20'

C0.1635-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75):8	1960	164	181



H-1 INBOUND TO H-2 OUTBOUND

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

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY, DATE — NOTE BOOK 40, NO.

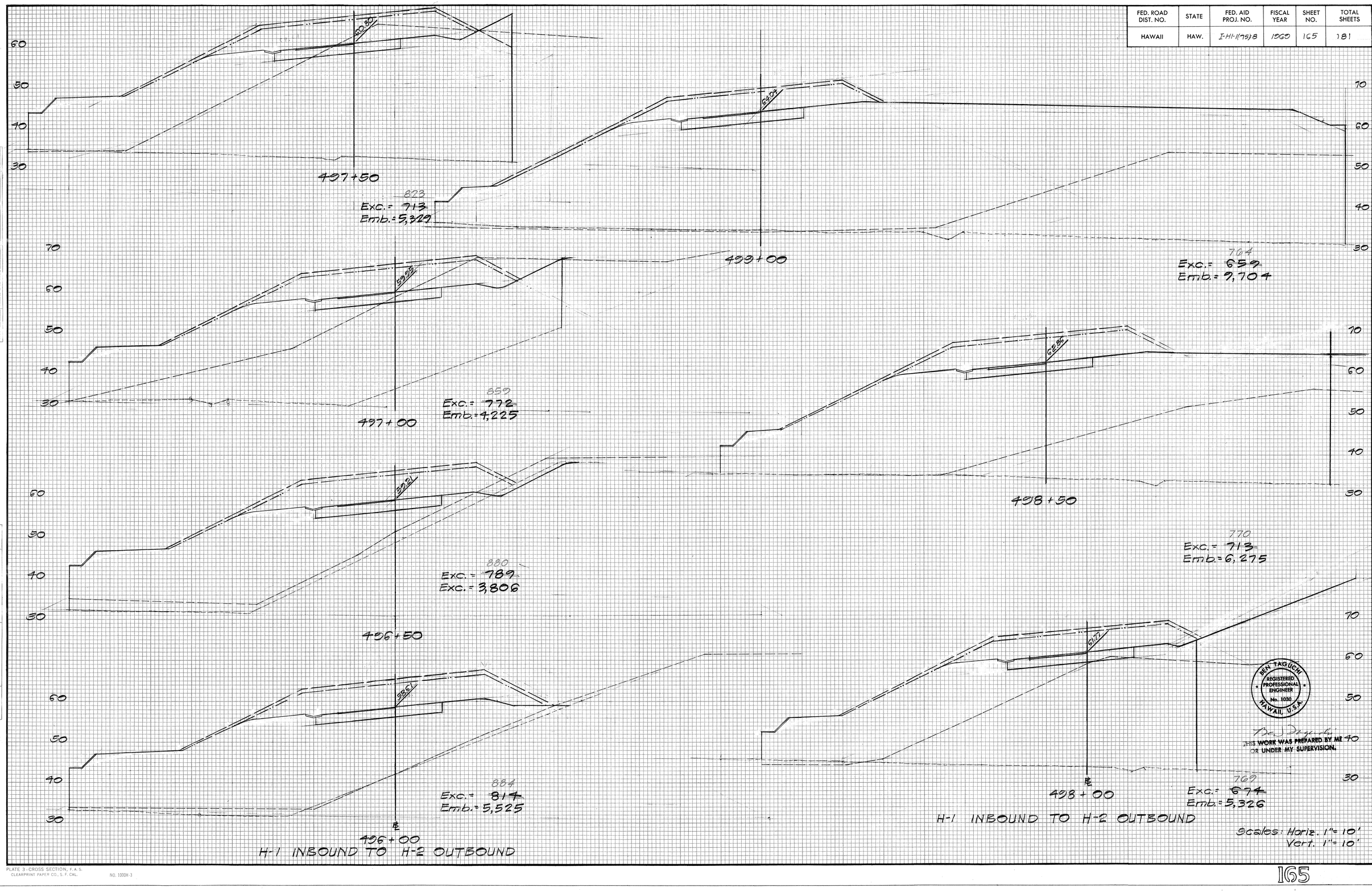
PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

164

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(79)8	1960	165	181

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

ORIGINAL SURVEY — NOTE BOOK — P.O.
SURVEYED BY
PLOTTED DATE
TEMPLATE
AREAS COMPUTED
AREAS CHECKED



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

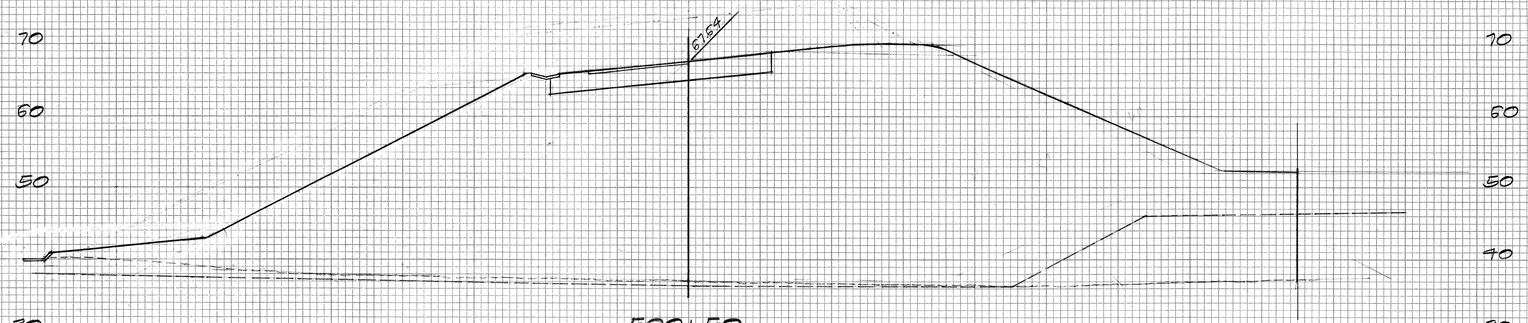
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

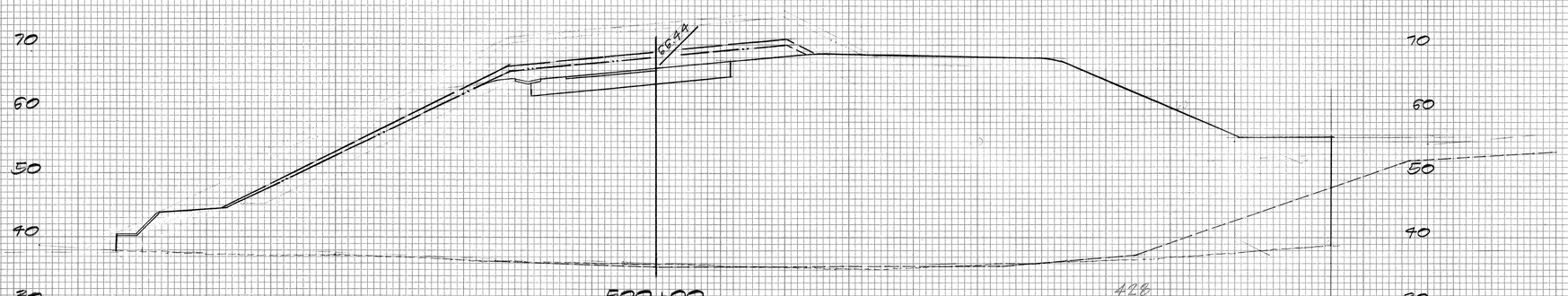
PLATE 3-CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL.
NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1960	166	181

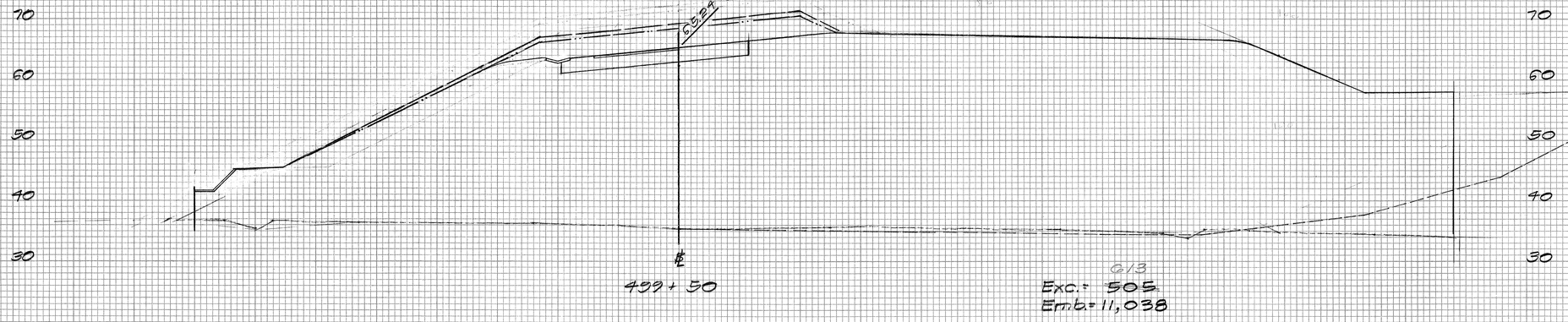
Exc. = 0
Emb. = 5,472



175
Exc. = 144
Emb. = 7,678



478
Exc. = 362
Emb. = 9,405



613
Exc. = 505
Emb. = 11,038

H-1 INBOUND TO H-2 OUTBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

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

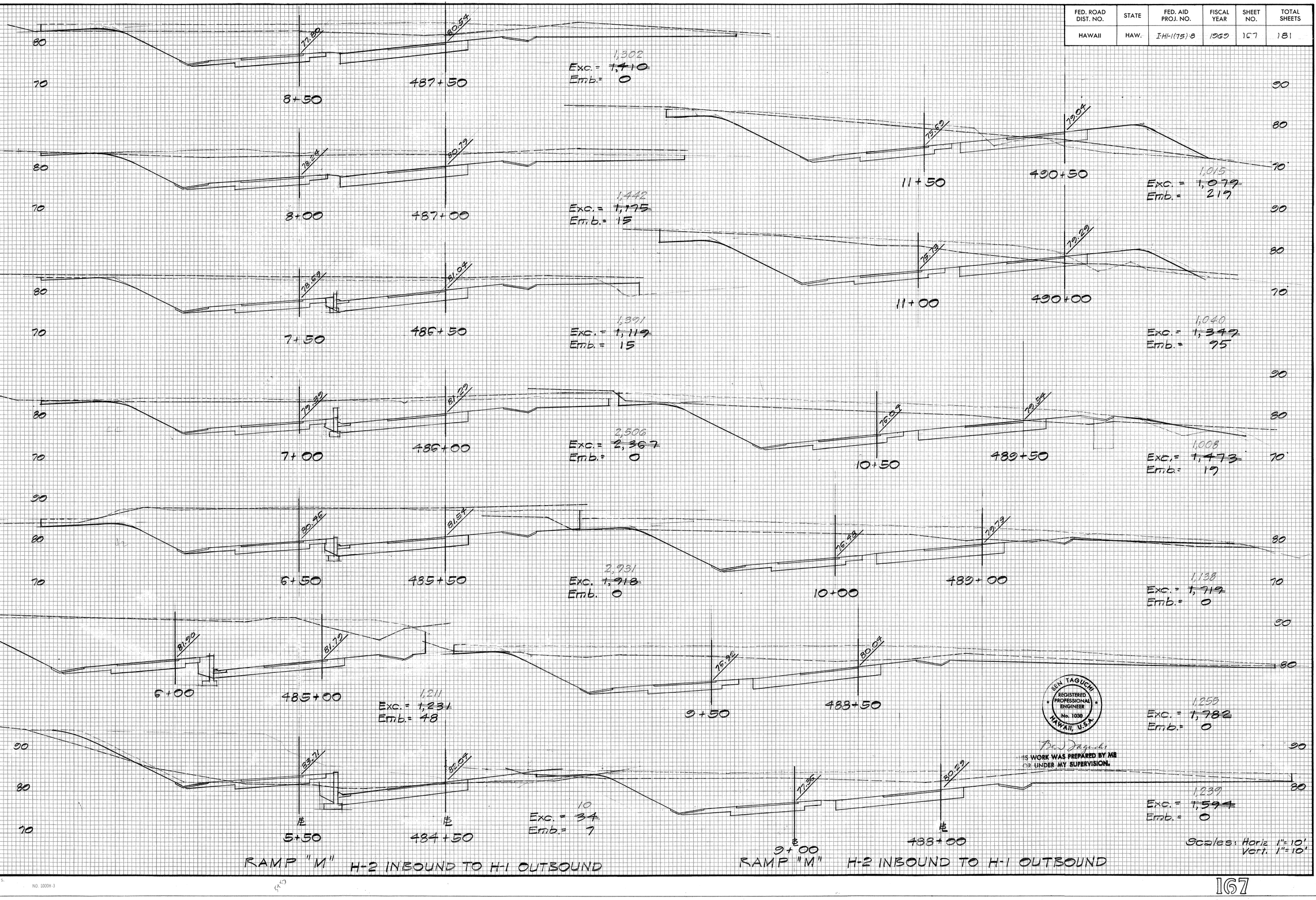
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHI-1(75)8	1969	167	181

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

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



RAMP "M" H-2 INBOUND TO H-1 OUTBOUND

RAMP "M" H-2 INBOUND TO H-1 OUTBOUND

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

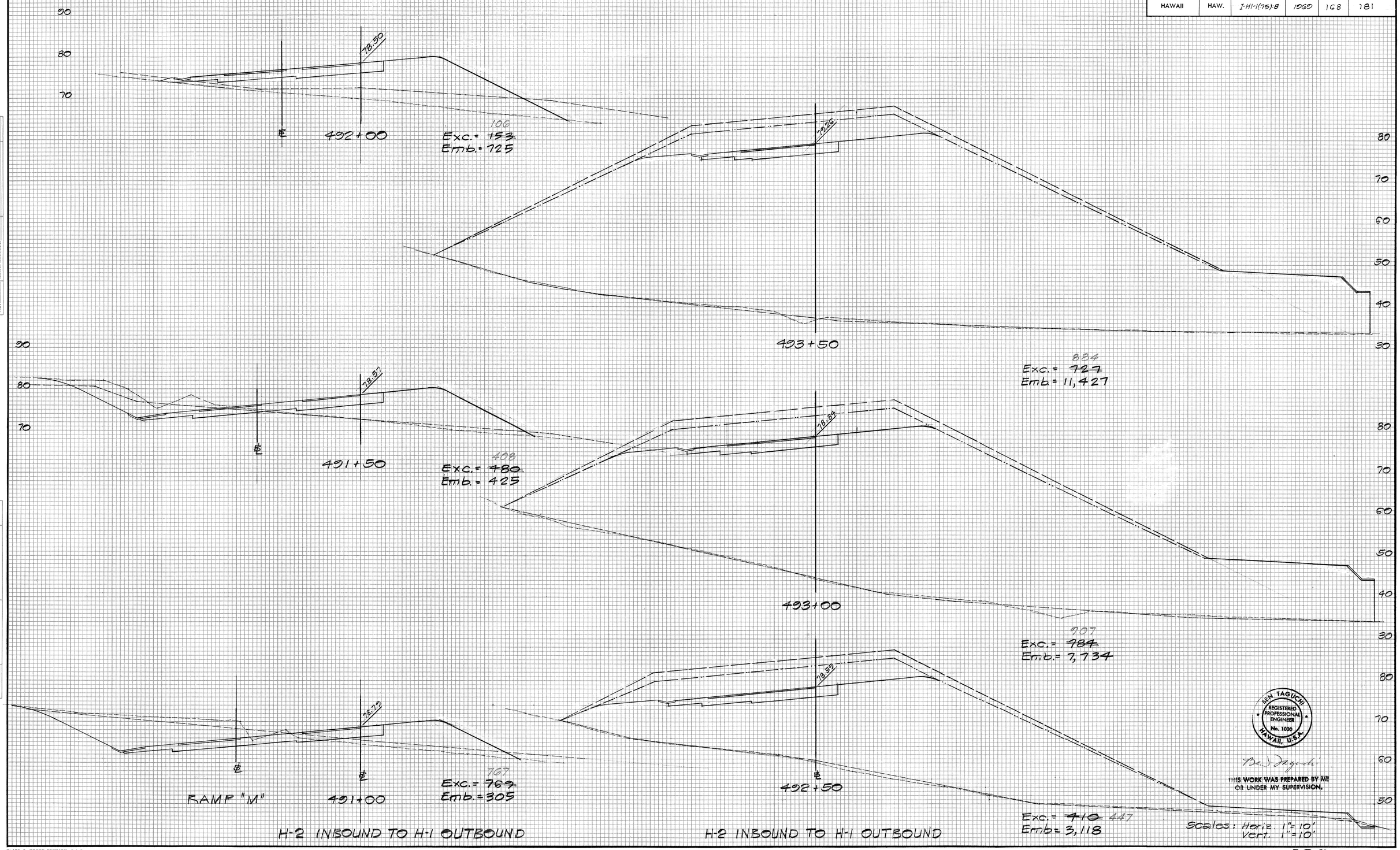
LEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

Len Taguchi

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

PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)-8	1060	168	181



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

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

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

Ben Taguchi

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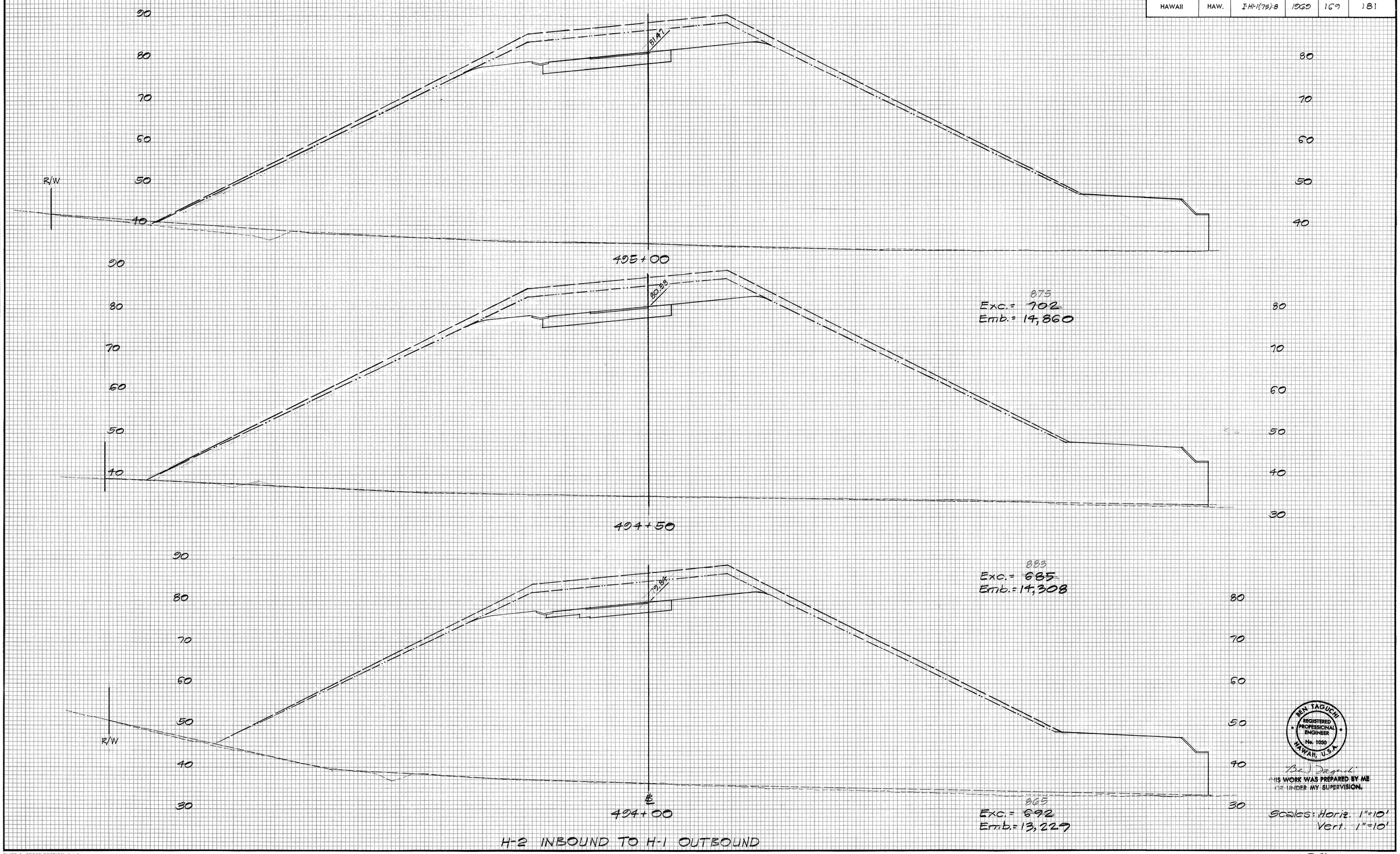
Scales: Horiz. 1"=10'
Vert. 1"=10'

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1969	169	181



H-2 INBOUND TO H-1 OUTBOUND

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

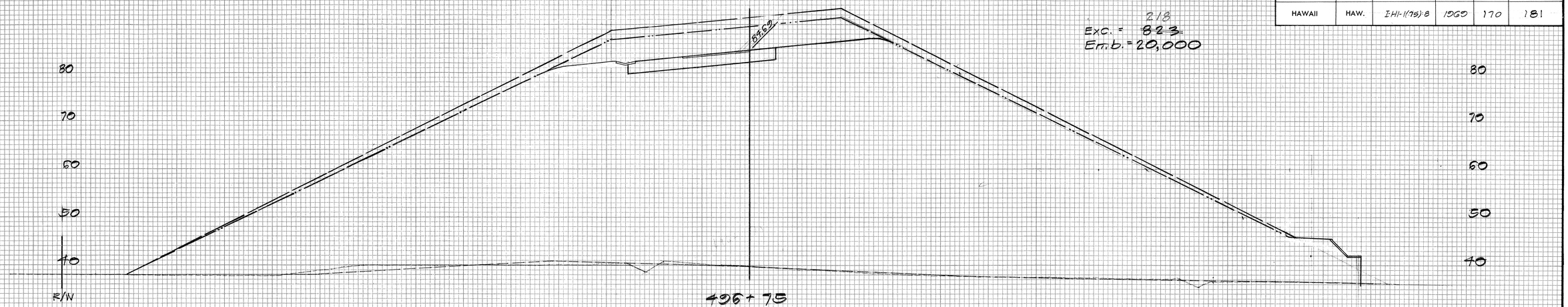
FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

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

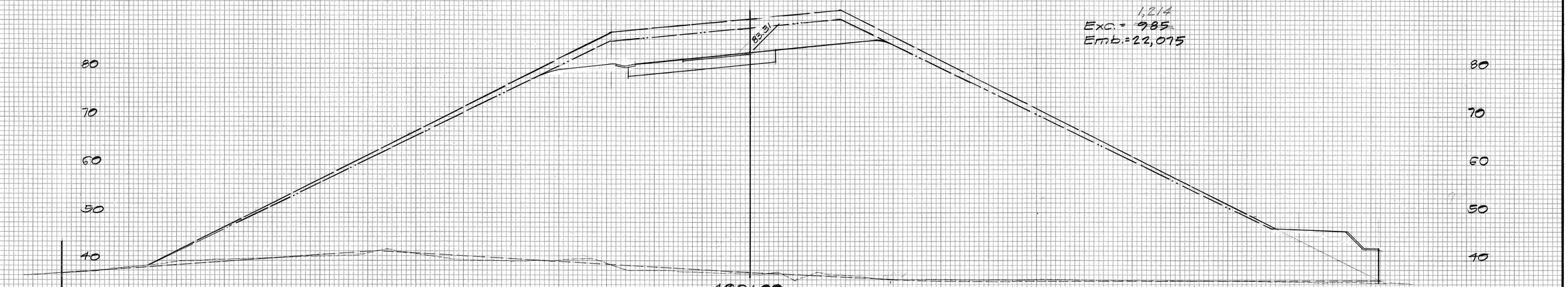
PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)8	1060	170	181

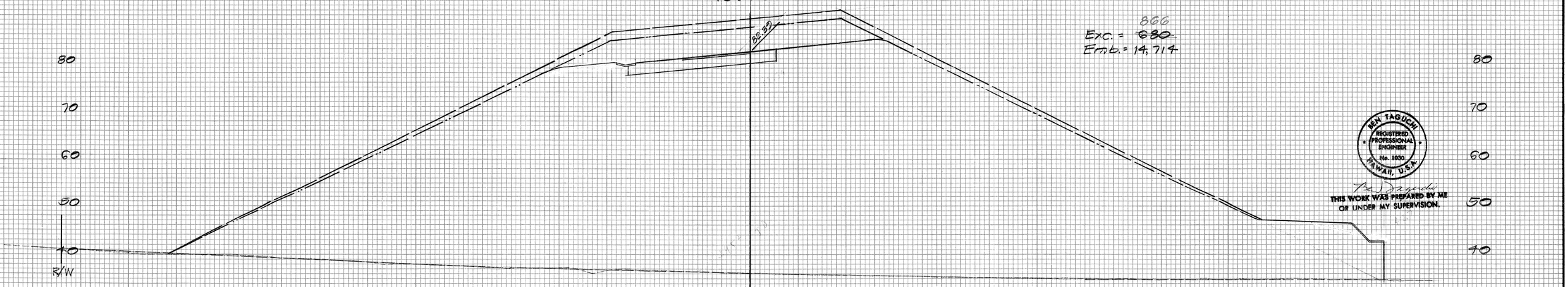
103



Exc. = 218 823
Emb. = 20,000



Exc. = 1,214 985
Emb. = 22,075



Exc. = 866 680
Emb. = 14,714

Exc. = 865 683
Emb. = 14,838

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

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

H-2 INBOUND TO H-1 OUTBOUND

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

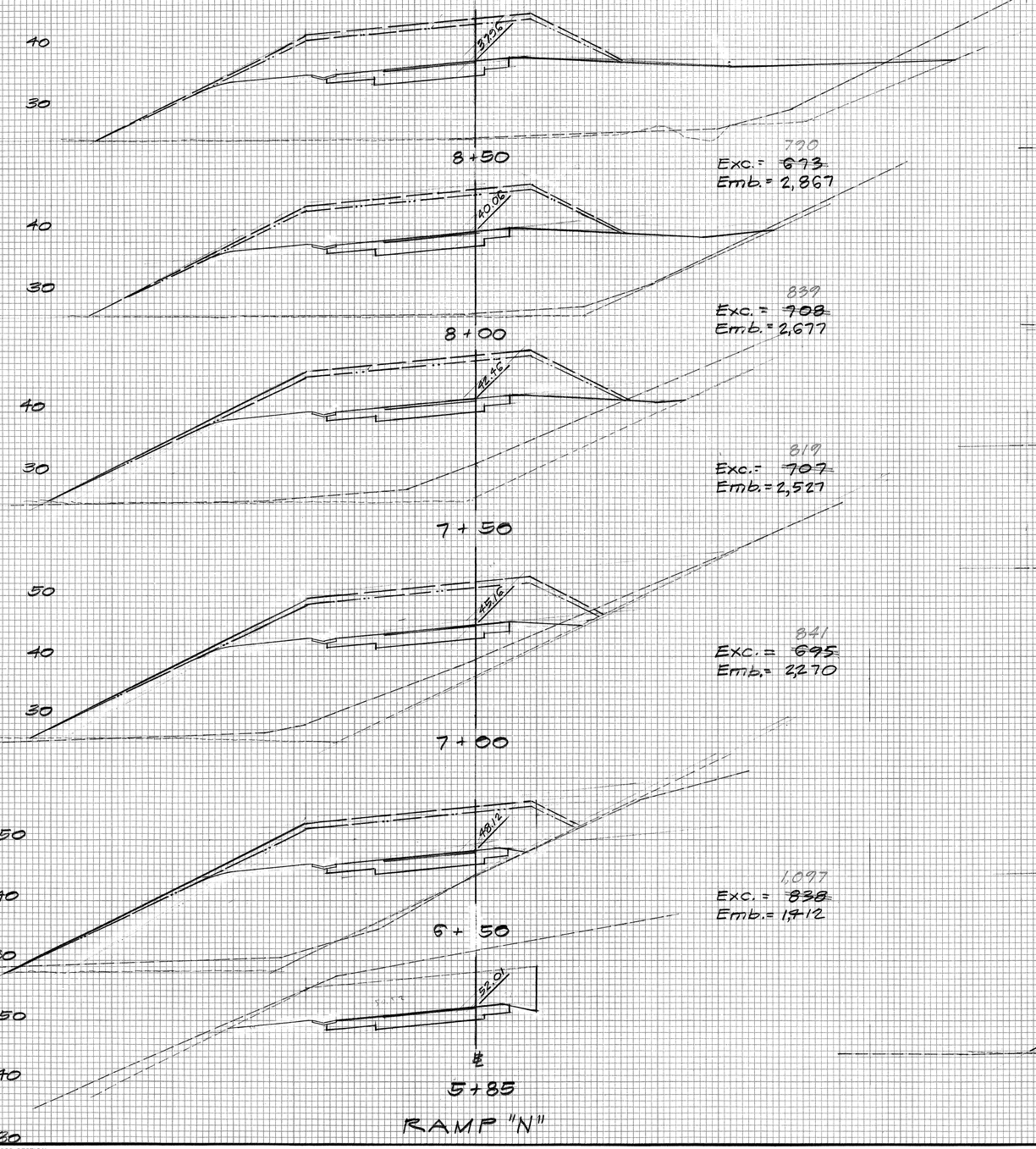
ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, NO., TEMPLATE, AREAS, AREAS CHECKED, BY, DATE

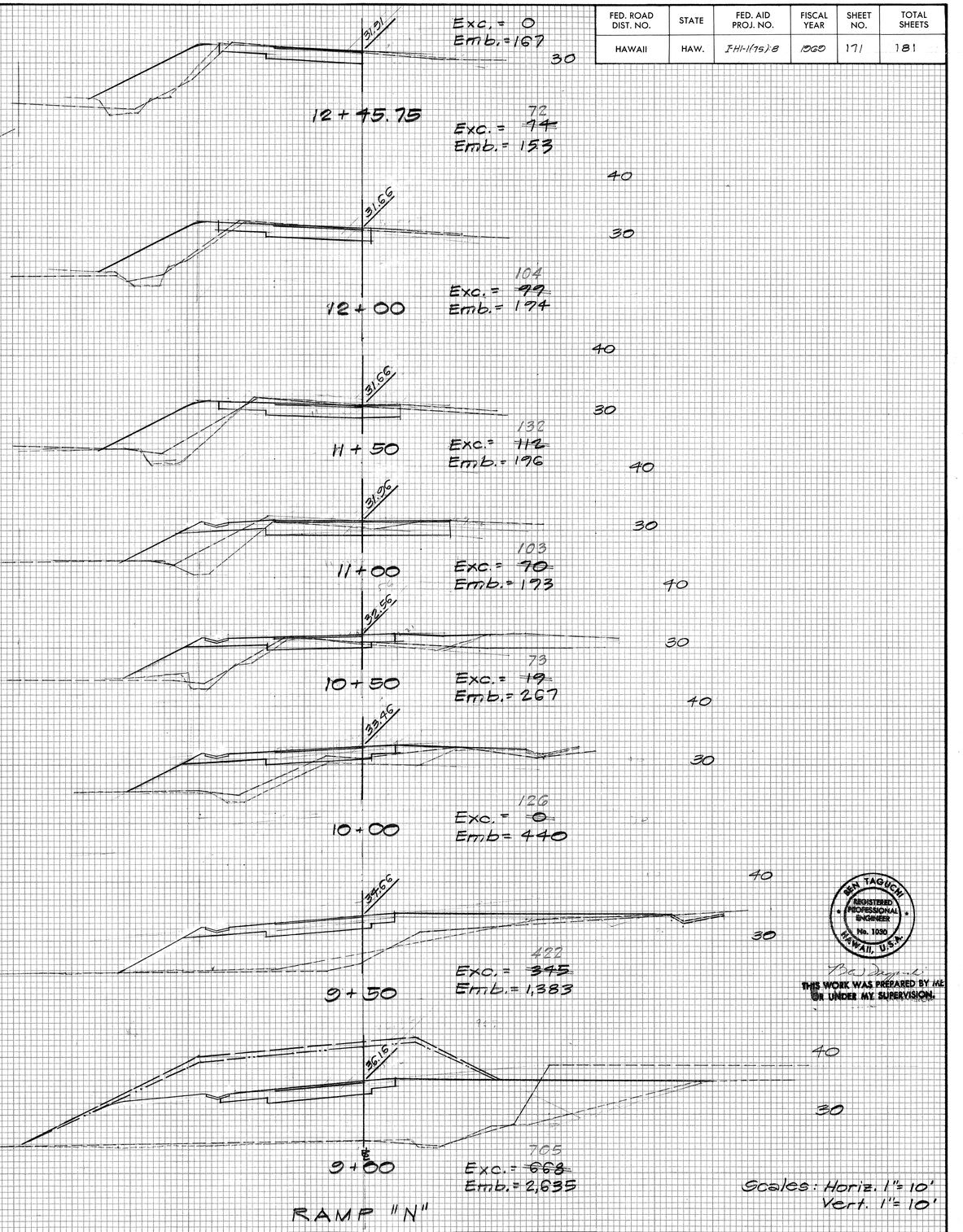
PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F., CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHI-1(75)8	1960	171	181

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

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





BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

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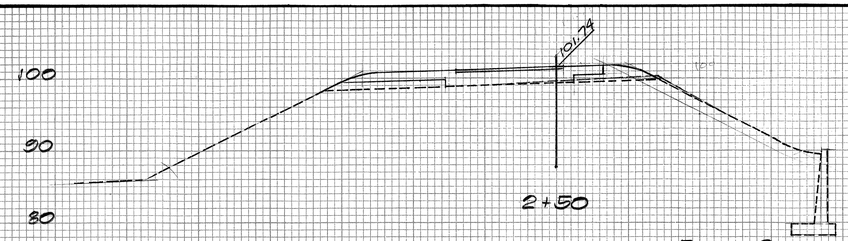
Scales: Horiz. 1"= 10'
Vert. 1"= 10'

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

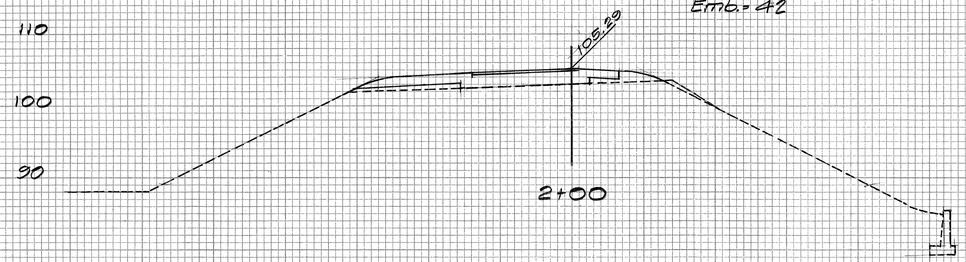
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(75)-8	1960	172	181

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

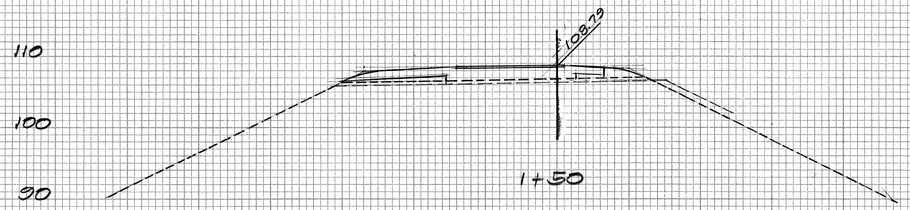
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK NO. — BY — DATE



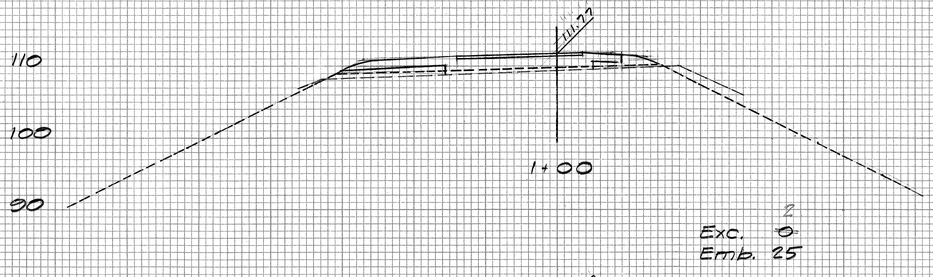
Exc. = 0
Emb. = 42



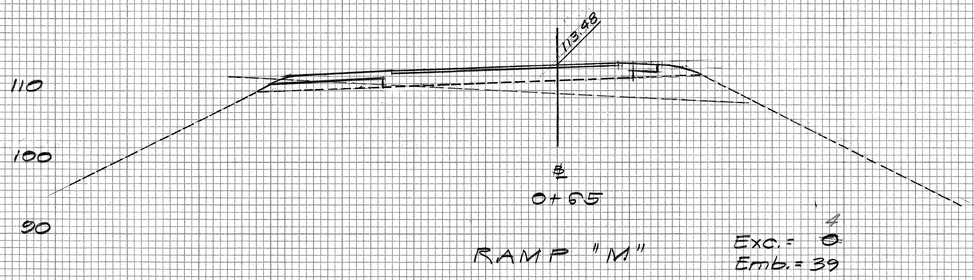
Exc. = 0
Emb. = 27



Exc. = 0
Emb. = 27



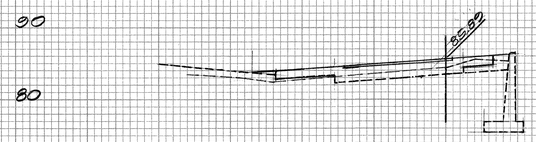
Exc. 0
Emb. 25



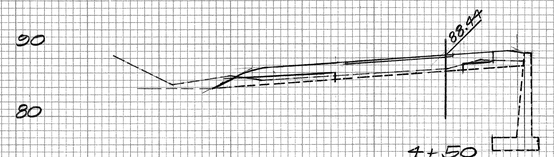
RAMP "M"

Exc. = 0
Emb. = 39

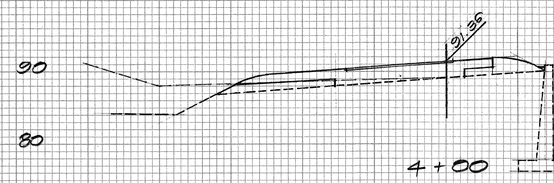
Exc. = 67
Emb. = 14



Exc. = 0
Emb. = 31



Exc. = 0
Emb. = 52



Exc. = 0
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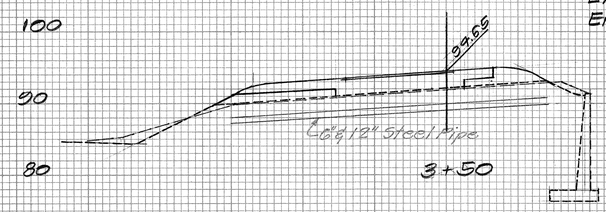

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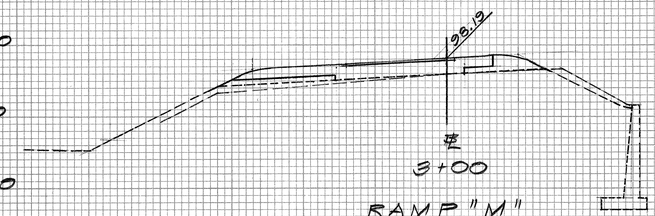

RAMP "M"

Exc. = 0
Emb. = 48

REN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

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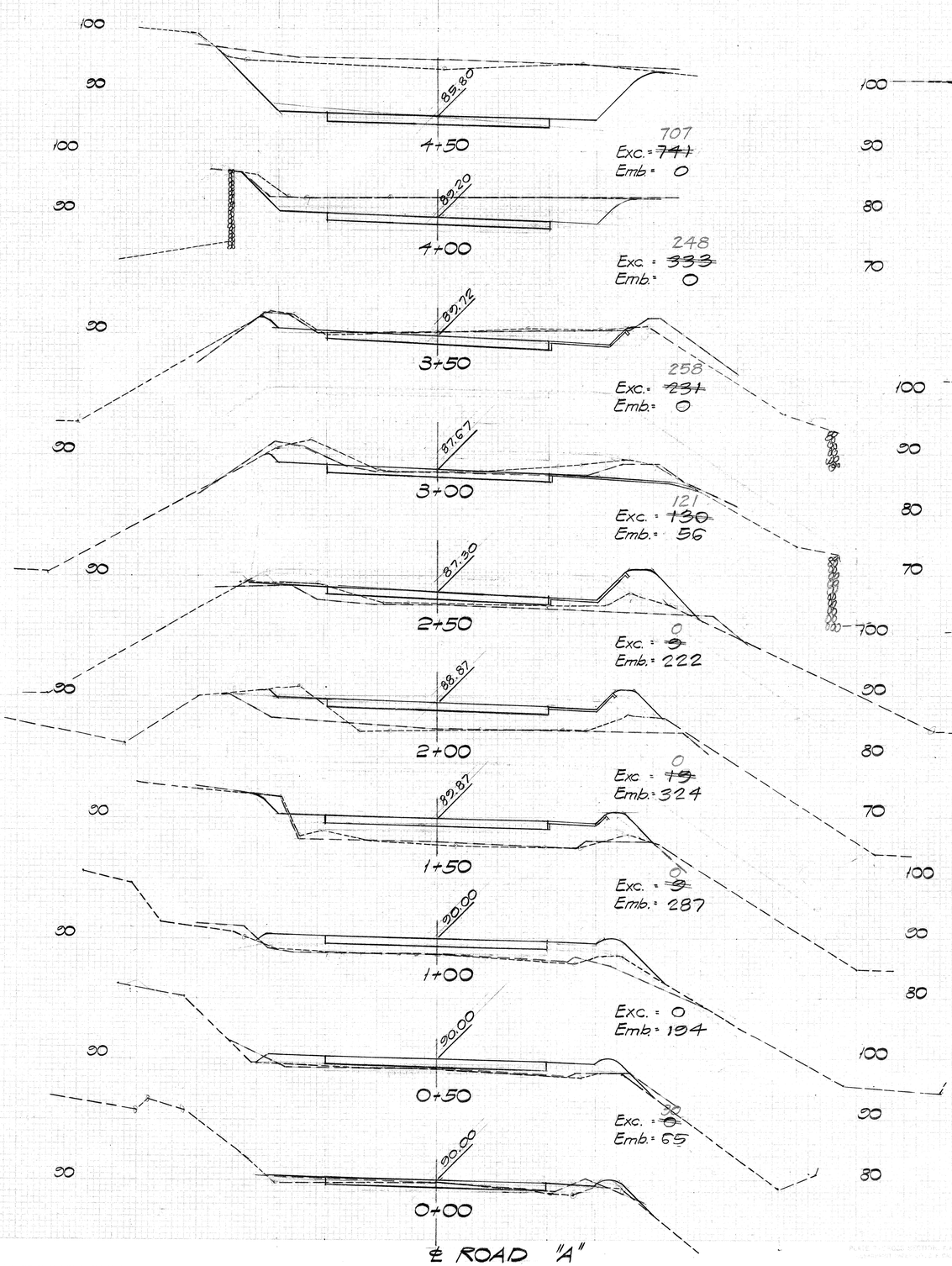
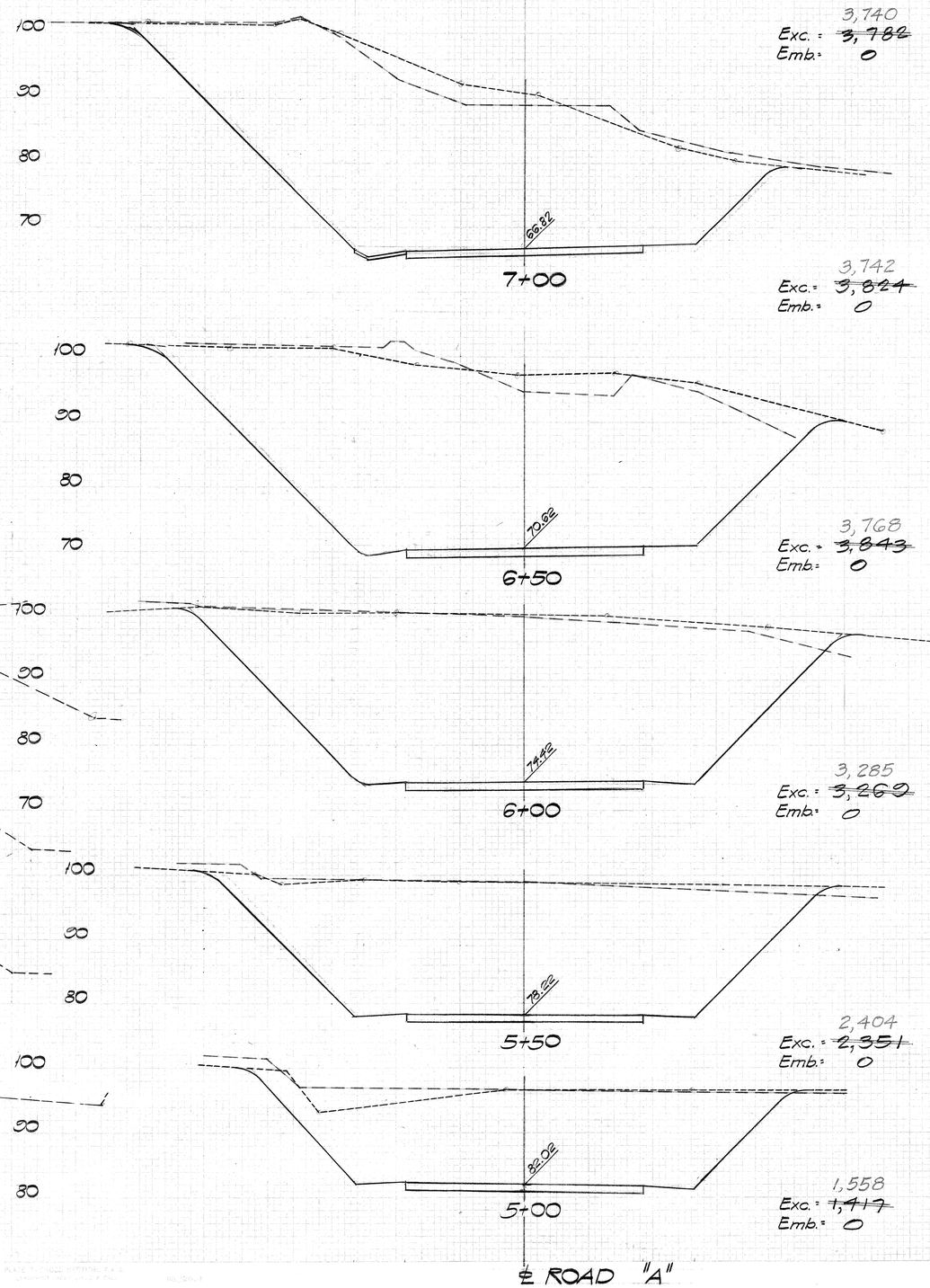
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	~~RH-11(16)~~ 8 ~~RH-11(19)~~ 8	1965	173	181



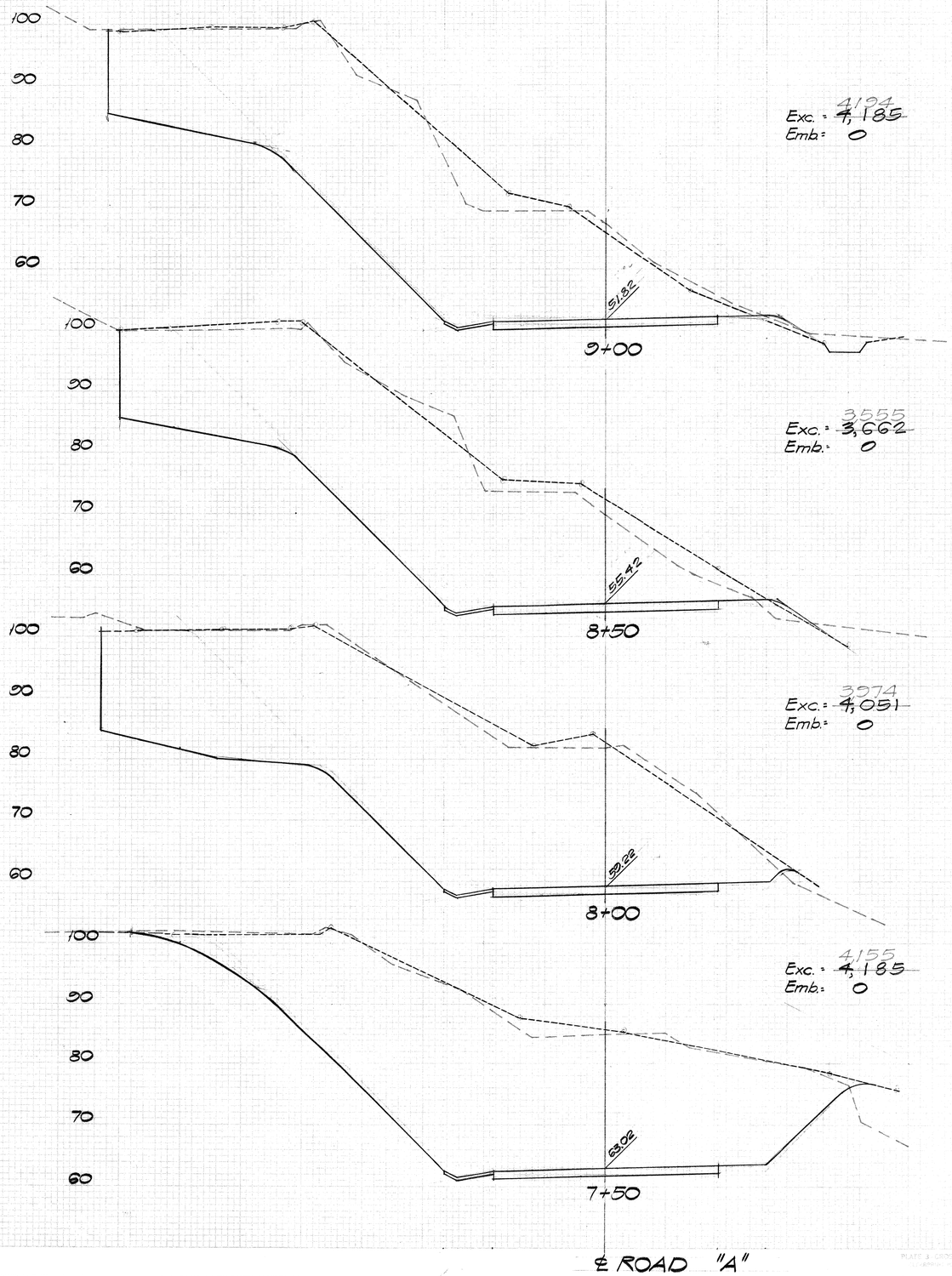


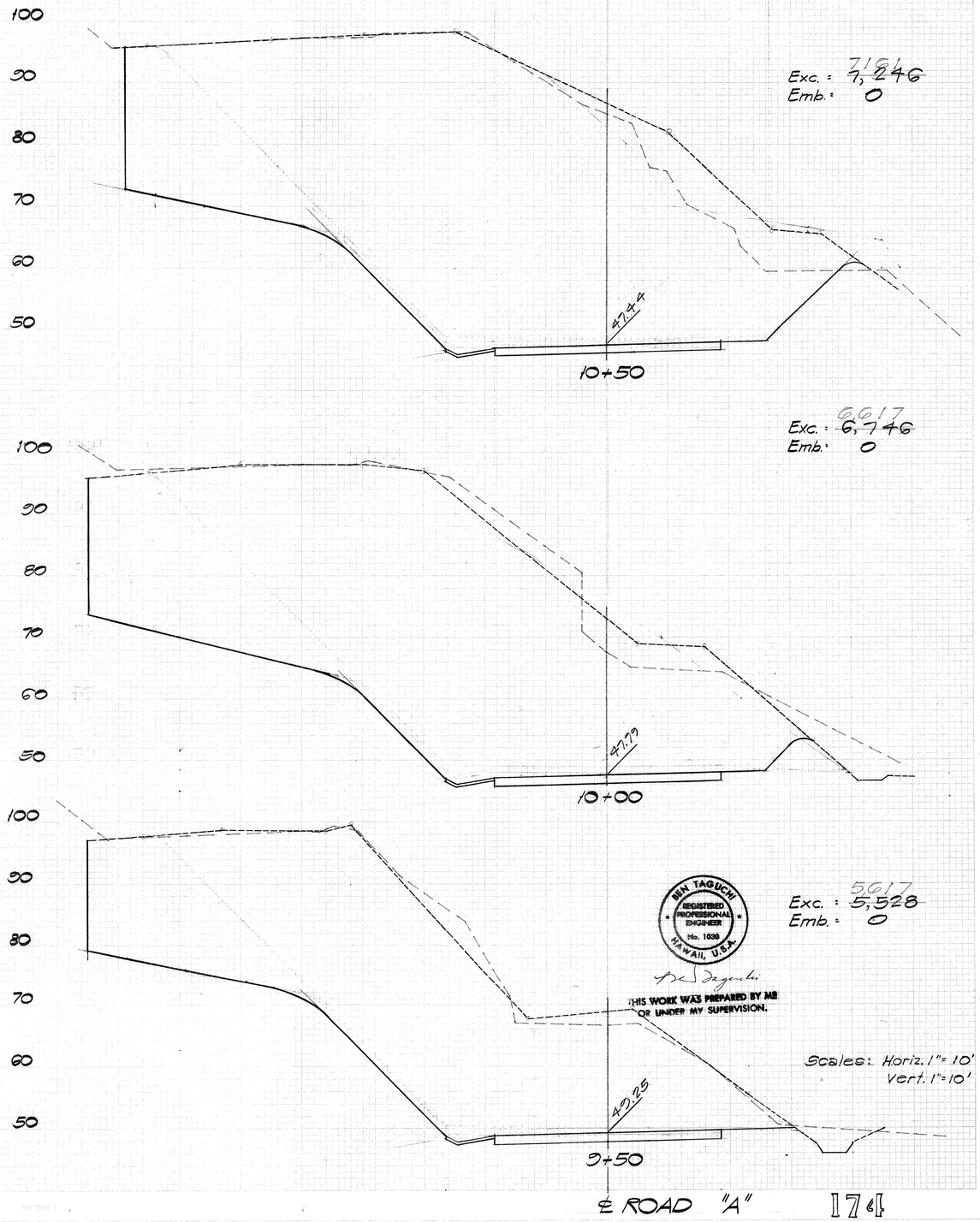
BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(14)2 F-HI-1(15)2	1963	174	181





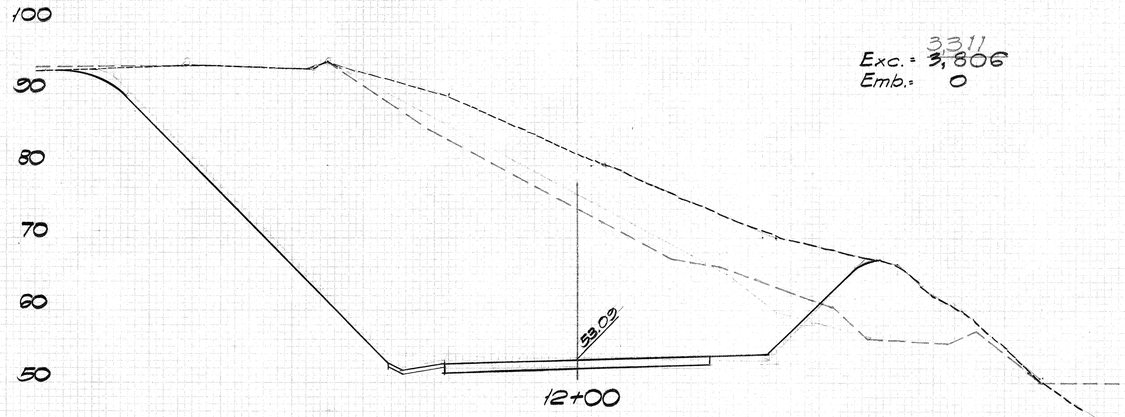
BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1038
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

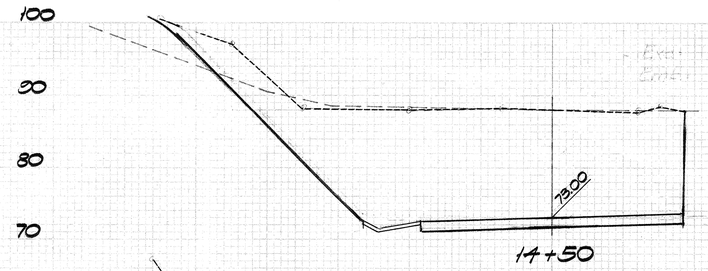
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

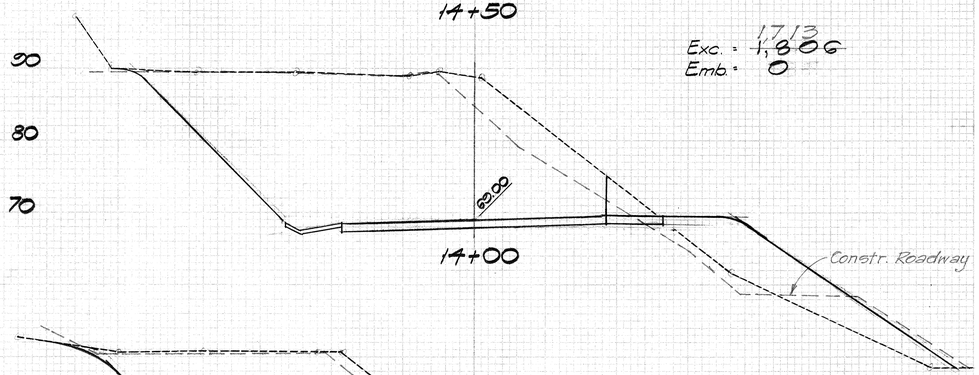
174

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(49) F-HI-1(75)8	1965	175	181

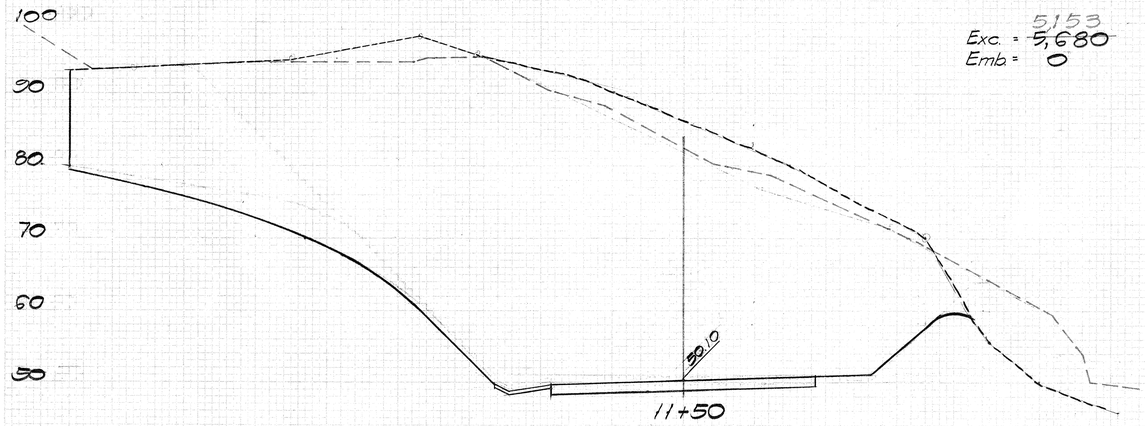


Exc. = ~~3,806~~ 3311
Emb. = 0

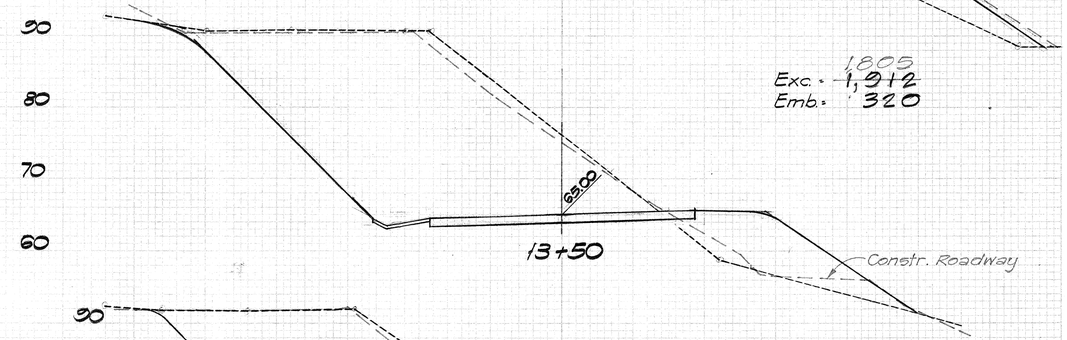




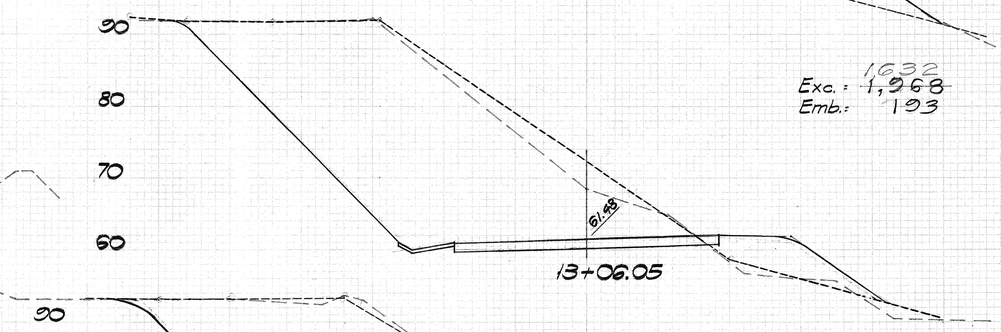
Exc. = ~~1,806~~ 1713
Emb. = 0



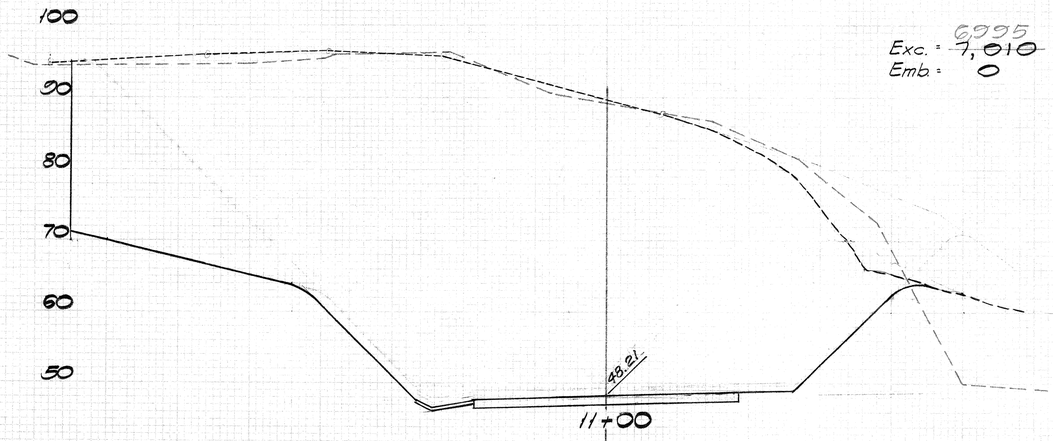
Exc. = ~~5,680~~ 5153
Emb. = 0



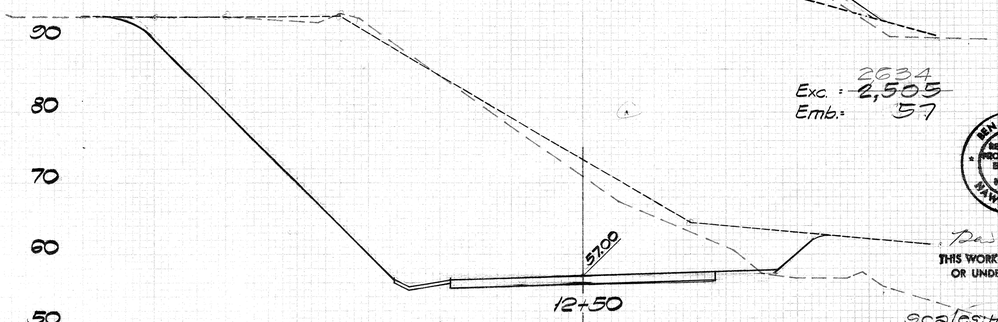
Exc. = ~~1,912~~ 1805
Emb. = 320



Exc. = ~~1,968~~ 1632
Emb. = 193



Exc. = ~~1,010~~ 6995
Emb. = 0



Exc. = ~~2,505~~ 2634
Emb. = 57

℄ ROAD "A"

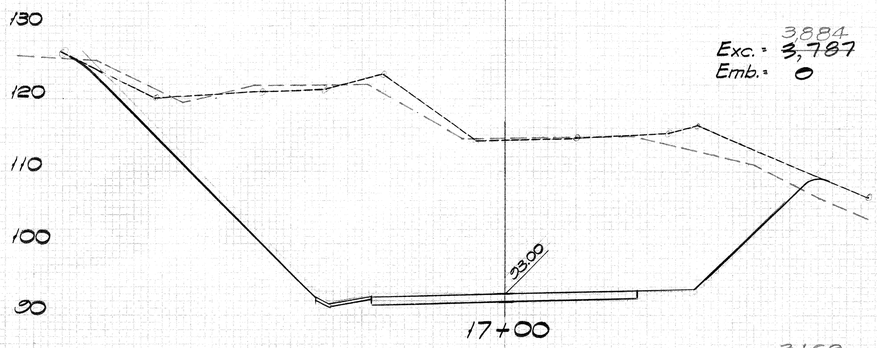
℄ ROAD "A"

BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

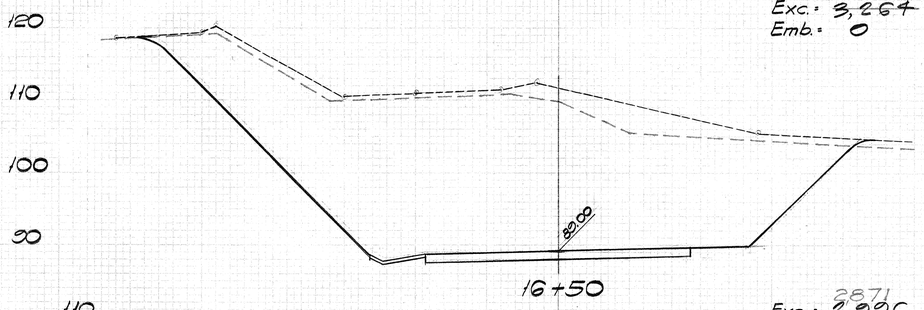
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

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

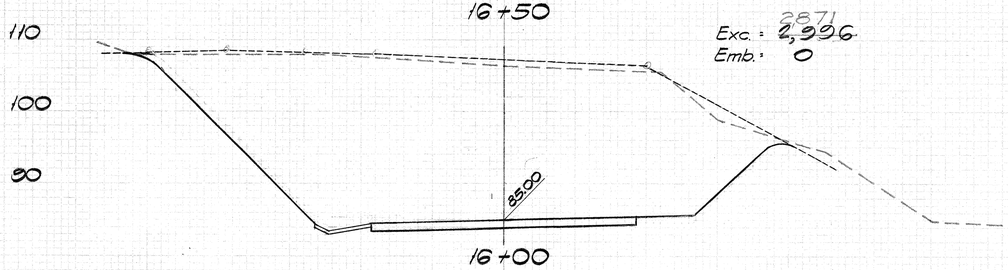
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1146(8) F-HI-1175(8)	1965	176	181



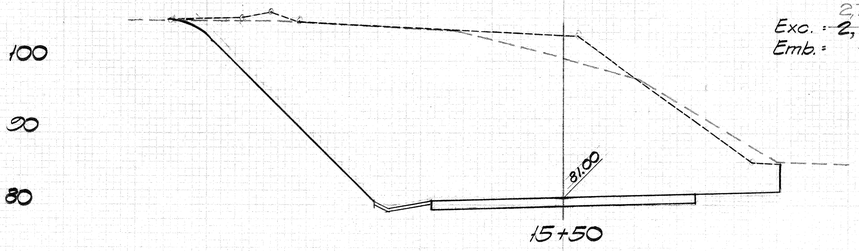
Exc. = ~~3,884~~ 3,787
Emb. = 0



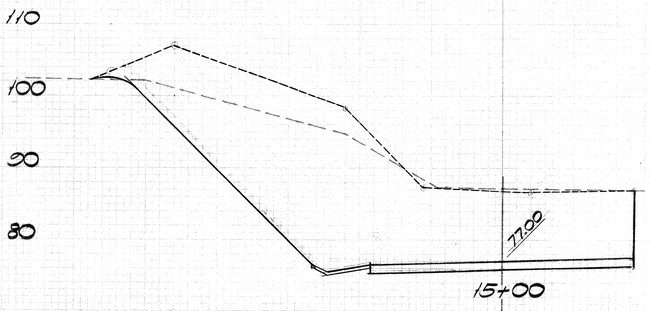
Exc. = ~~3,169~~ 3,264
Emb. = 0



Exc. = ~~2871~~ 2,996
Emb. = 0



Exc. = ~~2721~~ 2,750
Emb. = 0

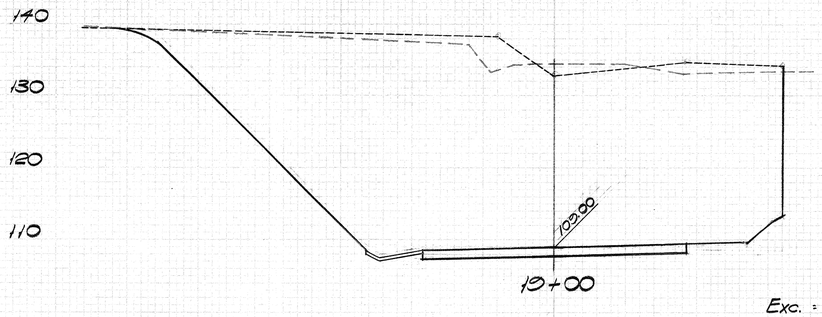


Exc. = ~~2054~~ 2,190
Emb. = 0

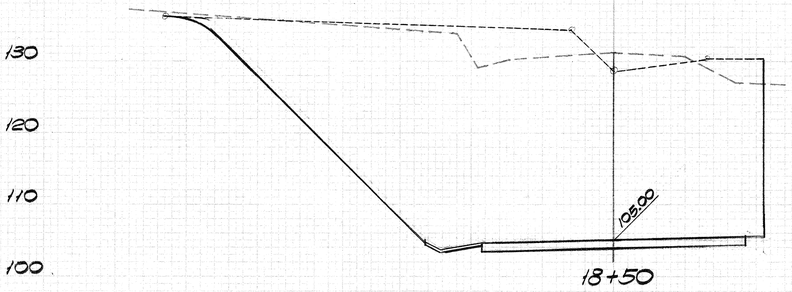
Exc. = ~~1616~~ 1,778
Emb. = 0

℄ ROAD "A"

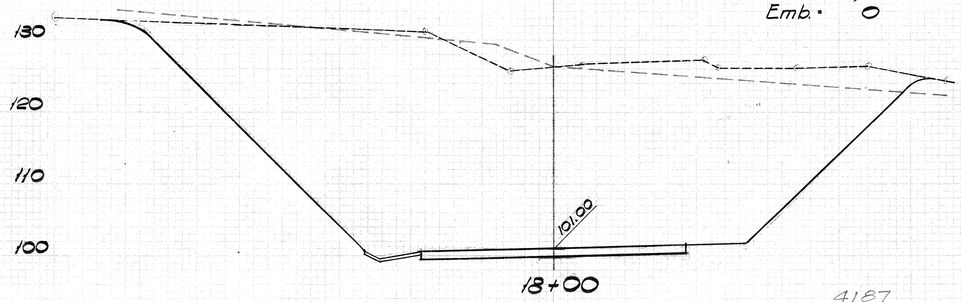
Exc. = ~~3840~~ 3,889
Emb. = 0



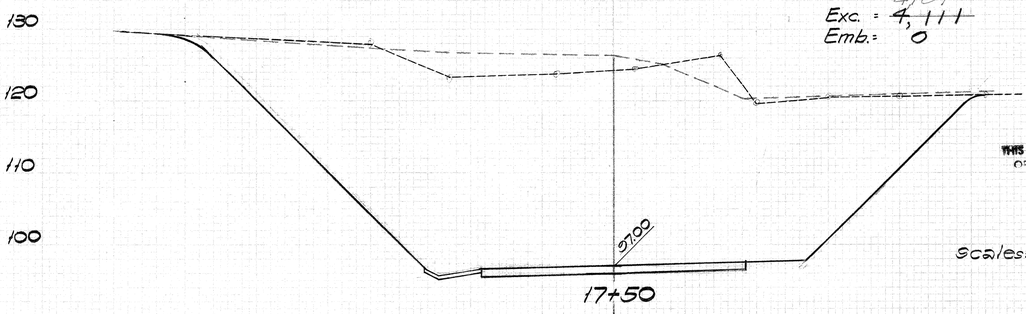
Exc. = ~~3475~~ 3,556
Emb. = 0



Exc. = ~~3671~~ 3,741
Emb. = 0



Exc. = ~~4187~~ 4,111
Emb. = 0



℄ ROAD "A"

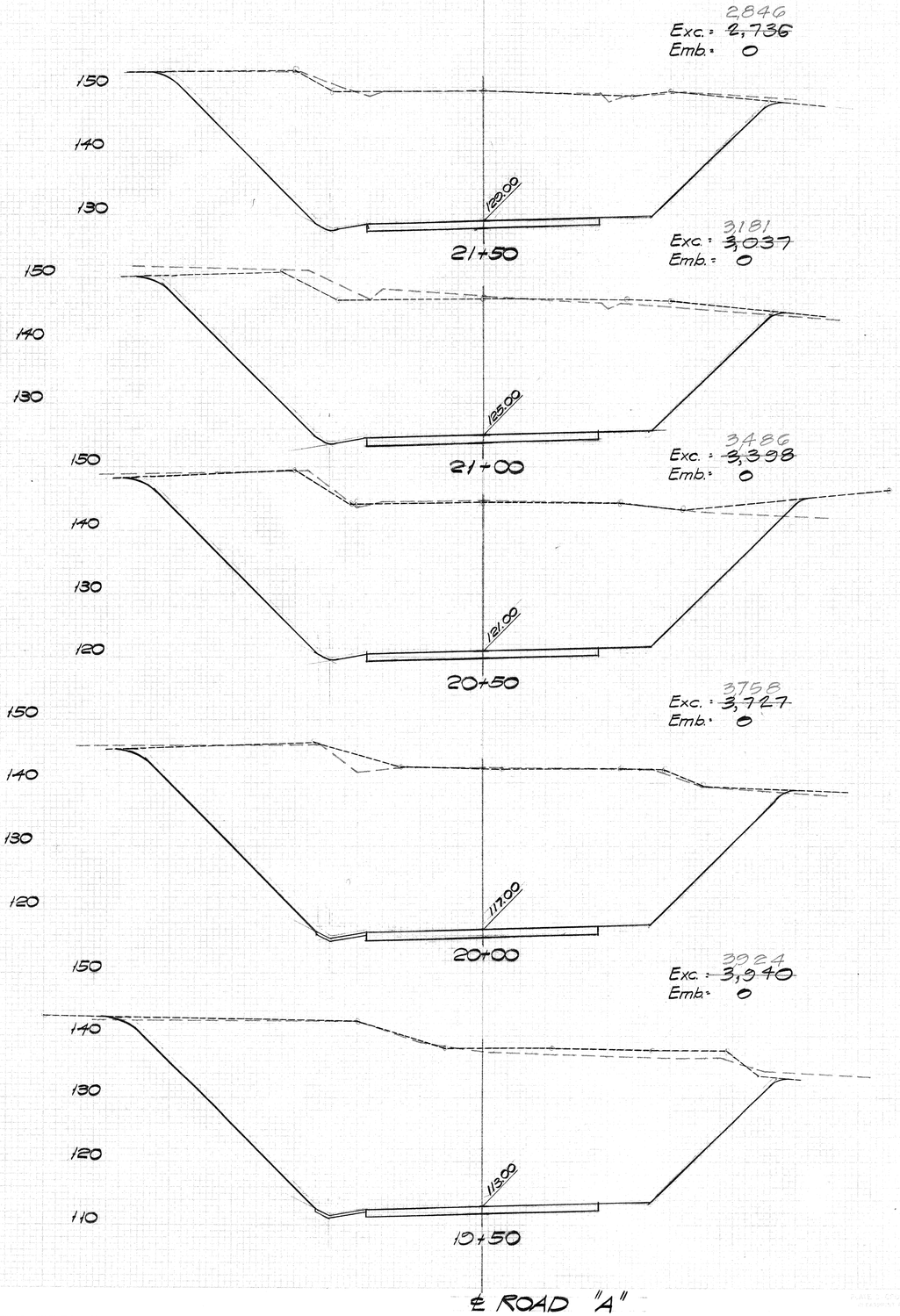
BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1030
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

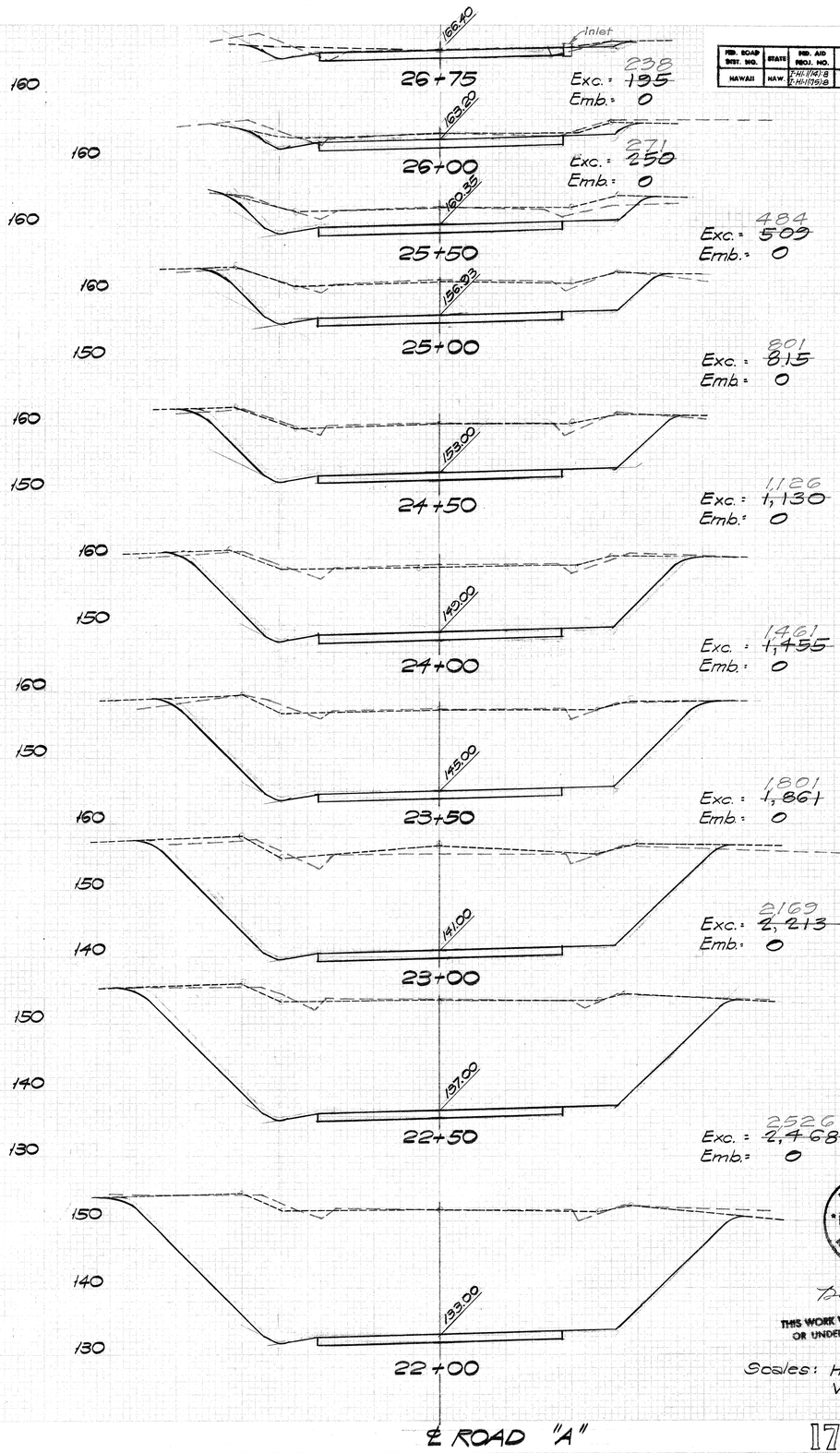
Scales: Horiz. 1" = 10'
Vert. 1" = 10'

176

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FAI-1(47)8 F-HI-1(19)8	1963	177	181



℄ ROAD "A"



BEN TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 7830
HAWAII, U.S.A.

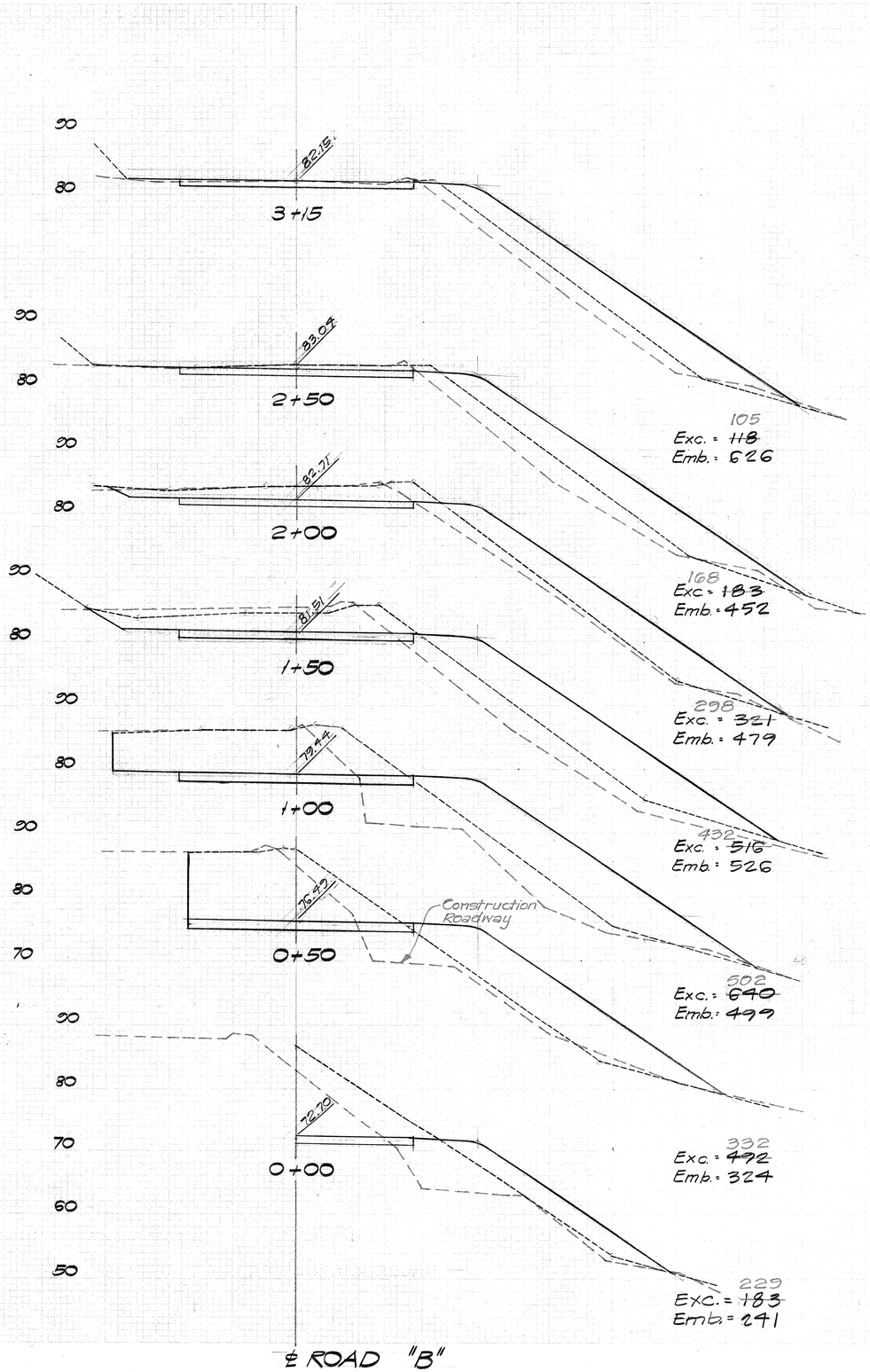
Ben Taguchi

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

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

℄ ROAD "A"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHWY(14)-B FHWY(79)-B	1969	178	181



105
Exc. = ~~118~~
Emb. = 626

168
Exc. = ~~183~~
Emb. = 452

298
Exc. = ~~321~~
Emb. = 479

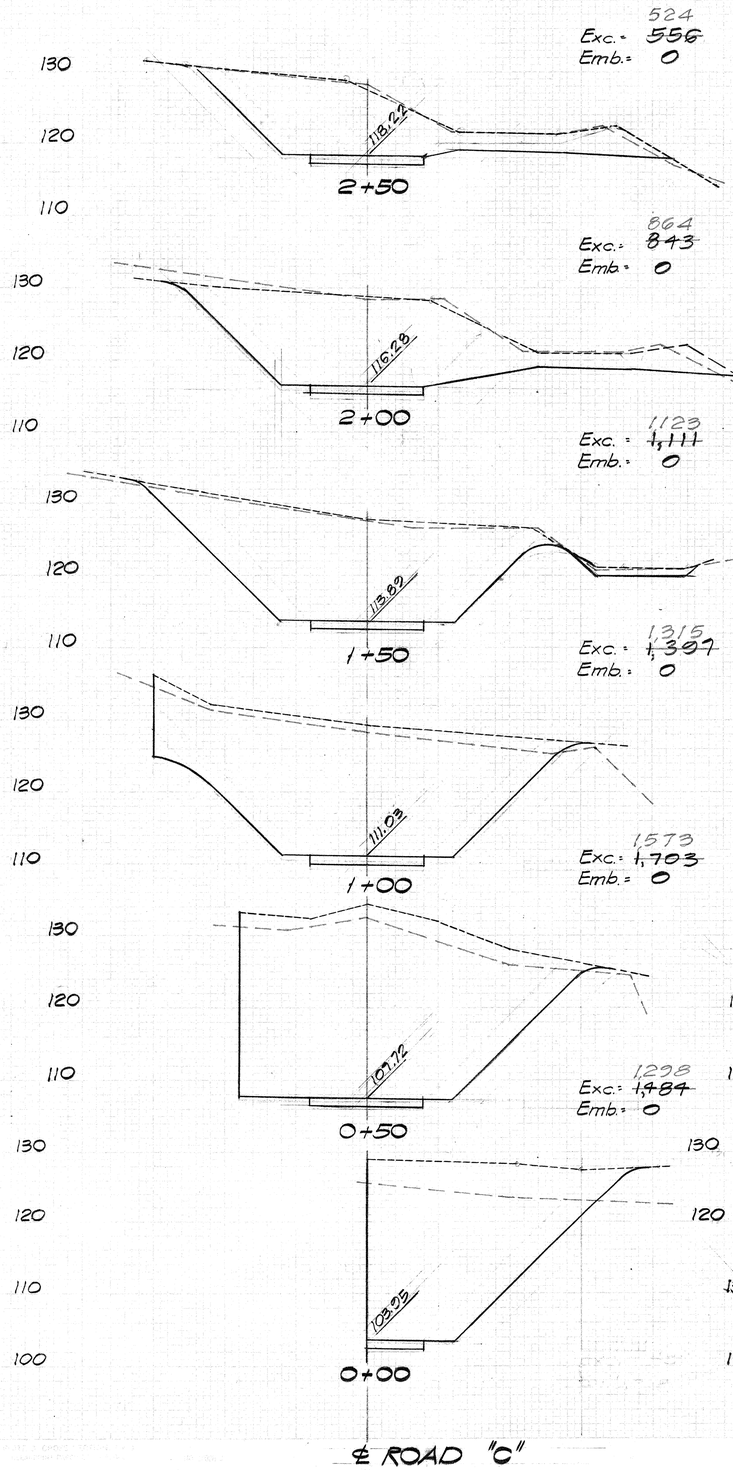
432
Exc. = ~~516~~
Emb. = 526

502
Exc. = ~~640~~
Emb. = 499

332
Exc. = ~~492~~
Emb. = 324

229
Exc. = ~~183~~
Emb. = 241

℄ ROAD "B"



524
Exc. = ~~556~~
Emb. = 0

864
Exc. = ~~843~~
Emb. = 0

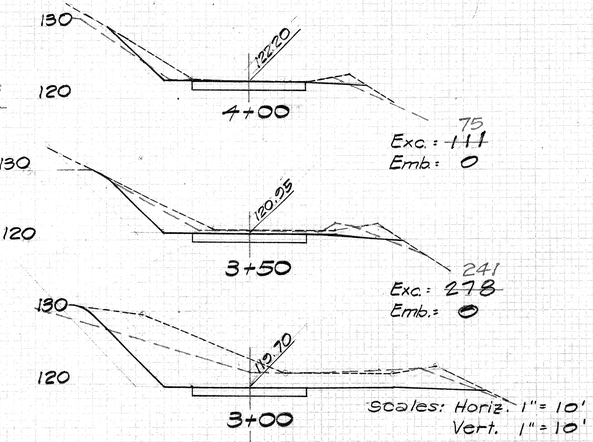
1123
Exc. = ~~1,111~~
Emb. = 0

1315
Exc. = ~~1,307~~
Emb. = 0

1573
Exc. = ~~1,703~~
Emb. = 0

1298
Exc. = ~~1,484~~
Emb. = 0

℄ ROAD "C"



75
Exc. = ~~111~~
Emb. = 0

241
Exc. = ~~278~~
Emb. = 0

℄ ROAD "C"

BEN T. TAGUCHI
REGISTERED PROFESSIONAL ENGINEER
No. 1930
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Scale: Hor. = 1" = 10'
Vert. = 1" = 10'

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

178