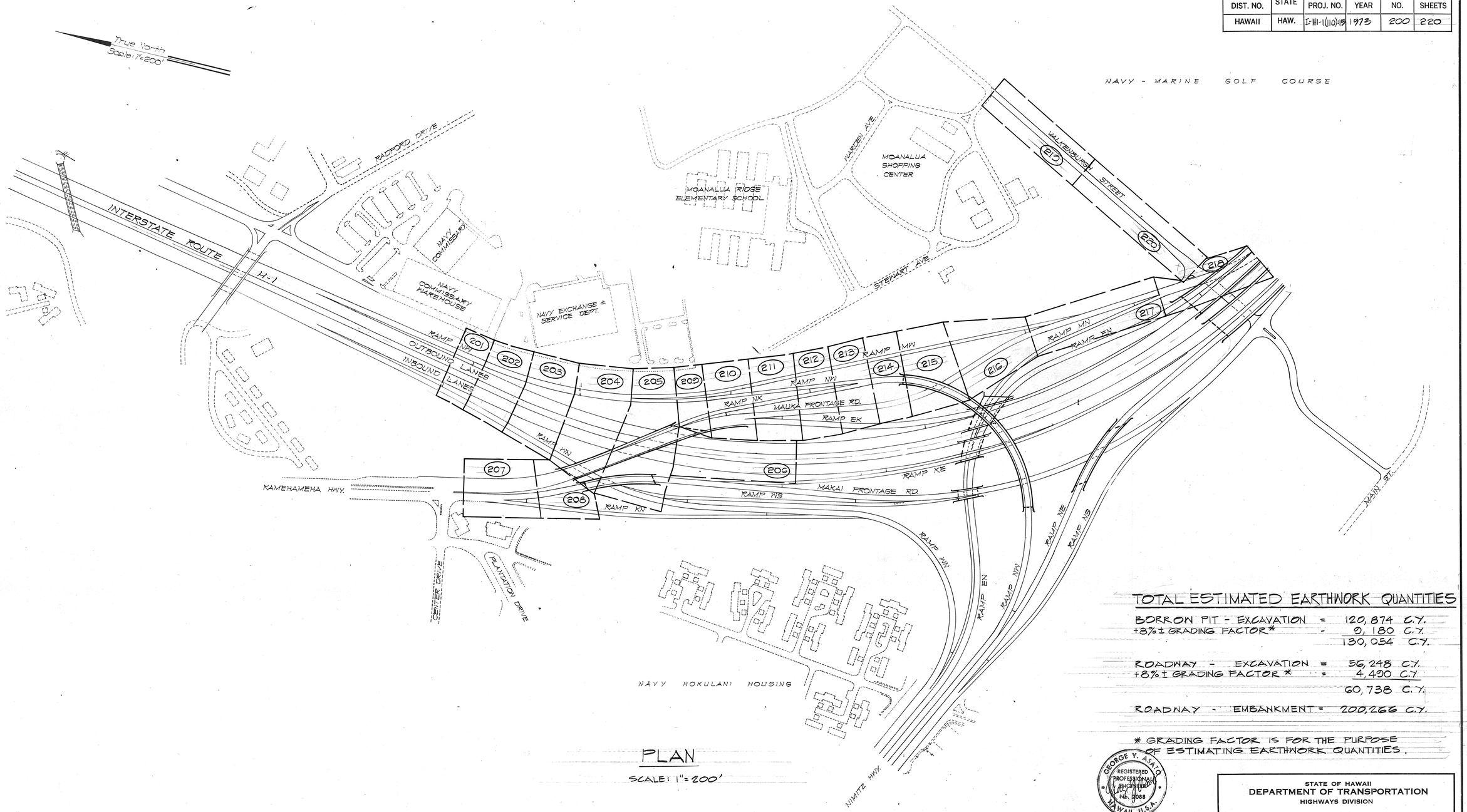
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	200	220



PLAN

SCALE: 1"=200'

TOTAL ESTIMATED EARTHWORK QUANTITIES

BORROW PIT - EXCAVATION	=	120,874 C.Y.
+8% ± GRADING FACTOR*	=	9,180 C.Y.
		130,054 C.Y.
ROADWAY - EXCAVATION	=	56,248 C.Y.
+8% ± GRADING FACTOR*	=	4,490 C.Y.
		60,738 C.Y.
ROADWAY - EMBANKMENT	=	200,266 C.Y.

* GRADING FACTOR IS FOR THE PURPOSE OF ESTIMATING EARTHWORK QUANTITIES.

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert T. Takamiya
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INDEX TO CROSS SECTION

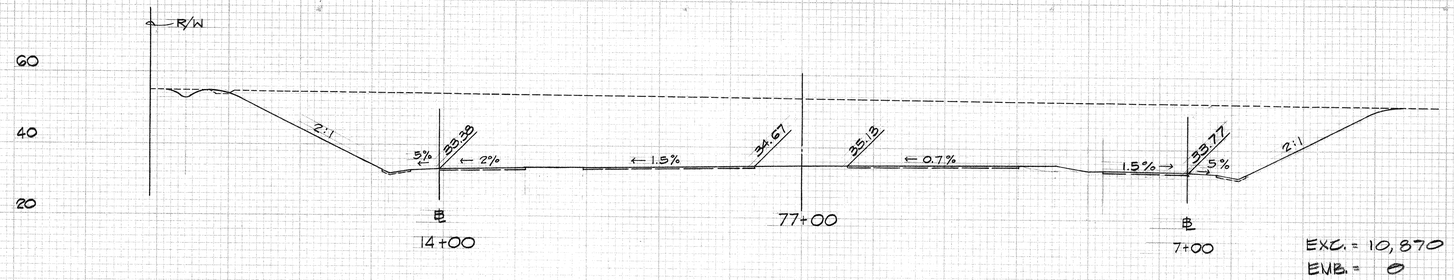
PEARL HARBOR INTERCHANGE
F.A.I. Proj. No. I-HI-1(110):15

Scale: As Shown Date: MAY 28, 1973

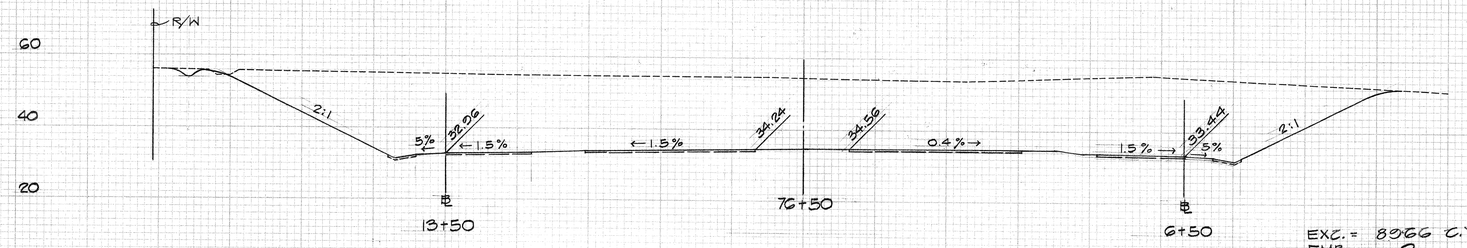
SHEET No. OF SHEETS

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

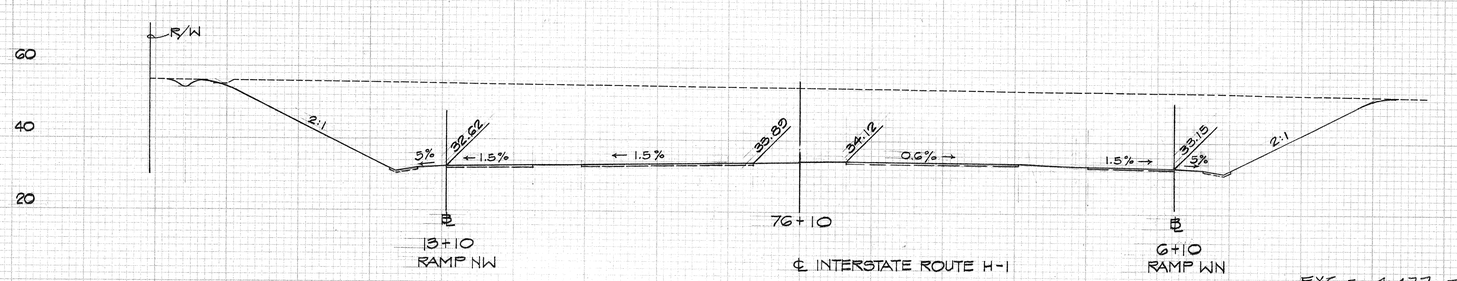
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110):15	1973	201	220



EXC. = 10,870 C.Y.
EMB. = 0



EXC. = 8966 C.Y.
EMB. = 0



EXC. = 4,477 C.Y.
EMB. = 0

BORROW PIT SECTIONS

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

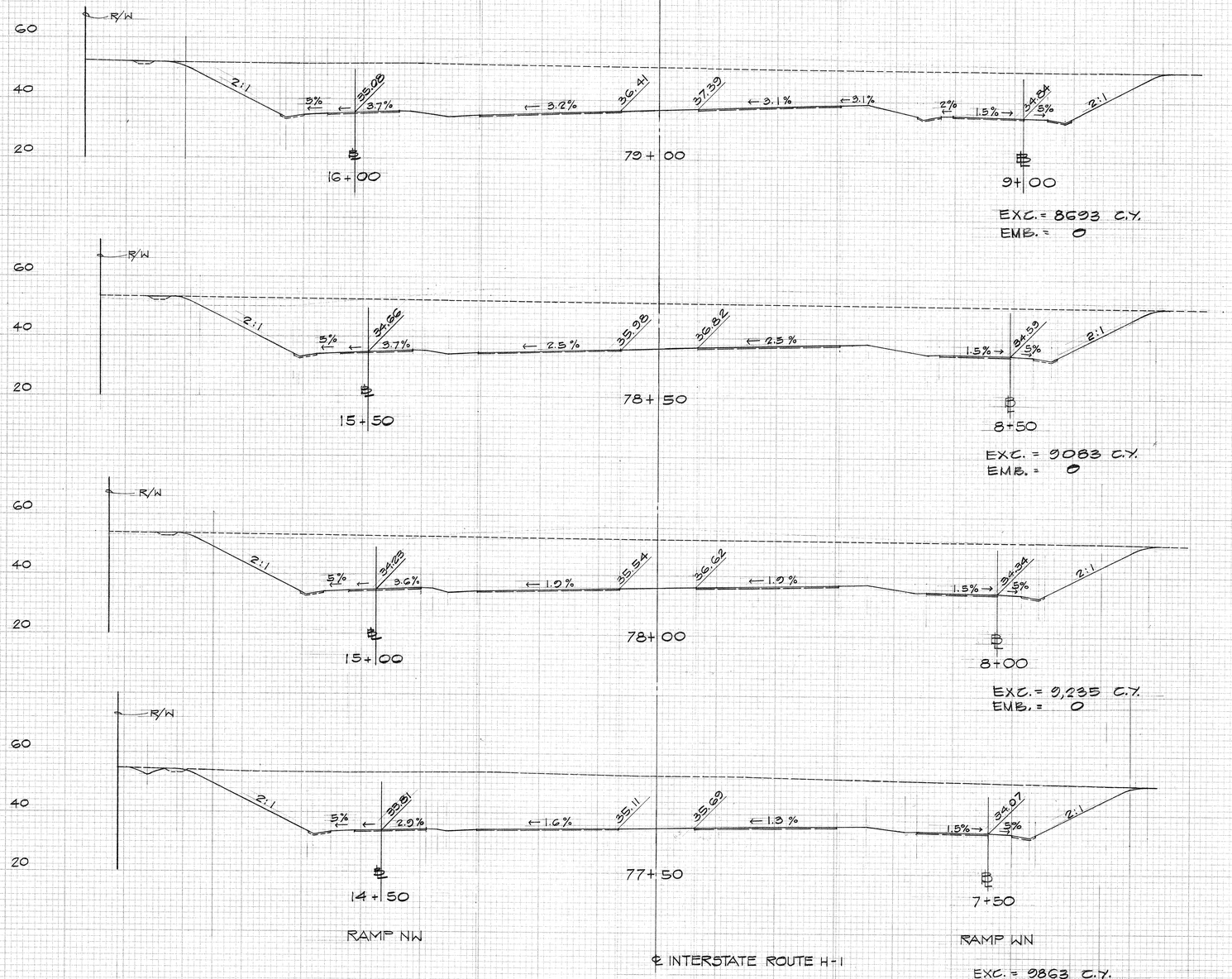
ORIGINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NOTE BOOK
No.
BY
DATE

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert T. Takamiya
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(10):15	1973	202	220



BORROW PIT SECTIONS

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

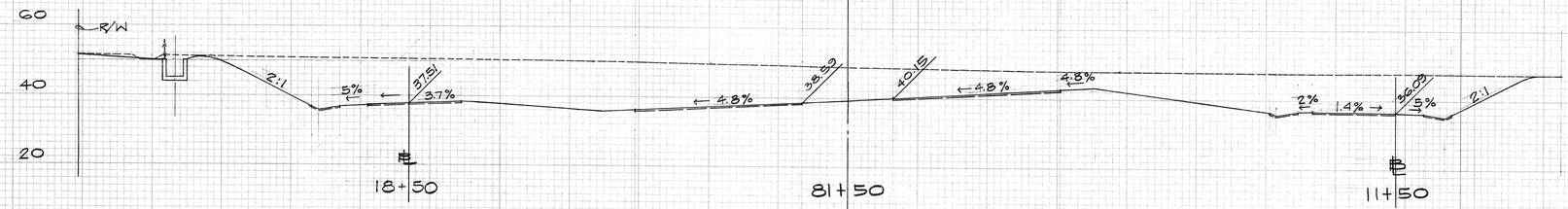
GEORGE Y. ASATO — REGISTERED PROFESSIONAL ENGINEER — No. 3088 — HAWAII, U.S.A.

WILBERT T. TAKAMIYA — REGISTERED PROFESSIONAL ENGINEER — No. 1684 — HAWAII, U.S.A.

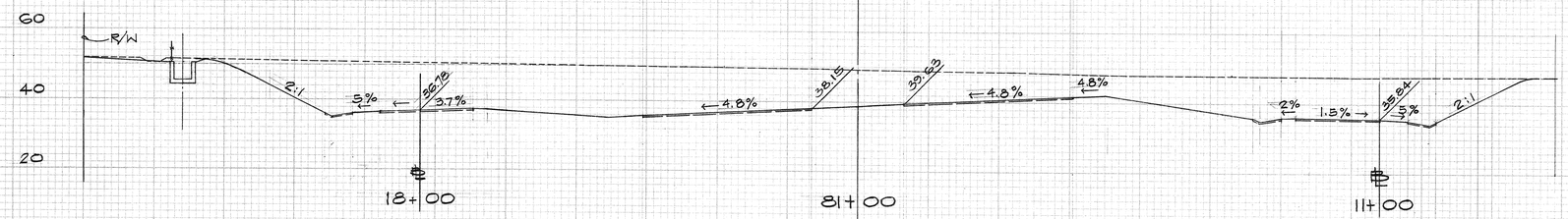
Wilbert T. Takamiya

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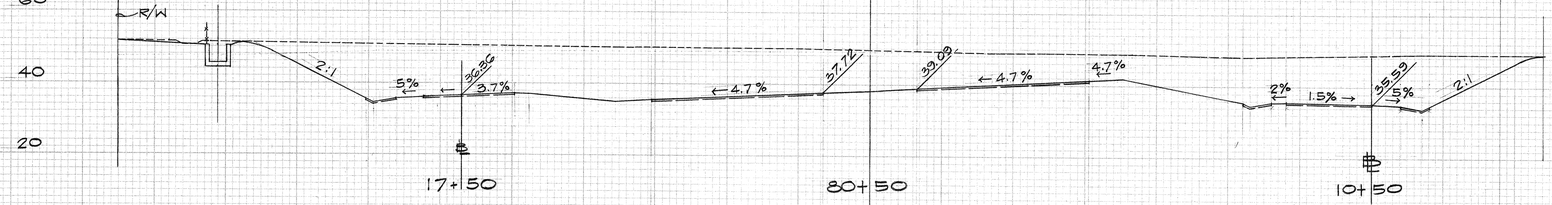
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)H5	1973	203	220



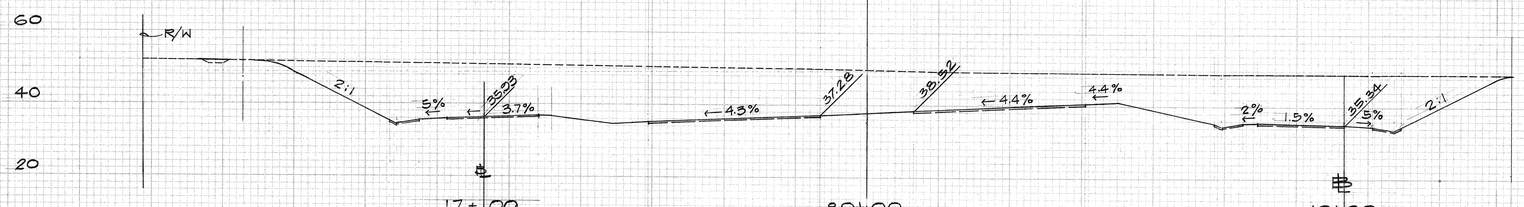
EXC. = 7402 C.Y.
EMB. = 0



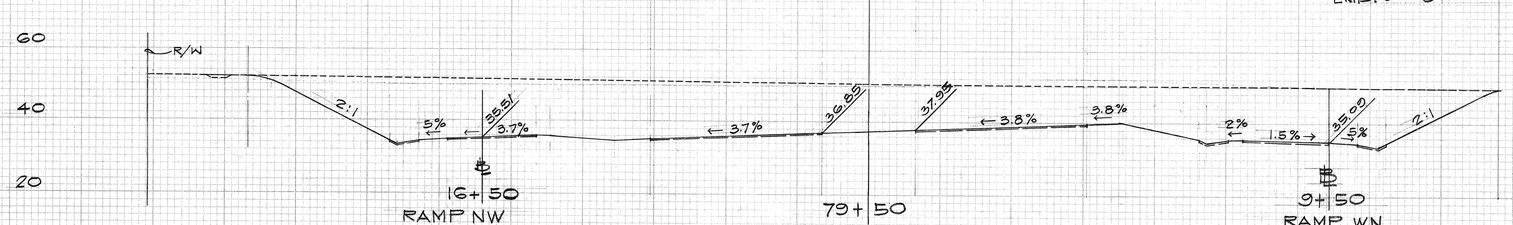
EXC. = 7600 C.Y.
EMB. = 0



EXC. = 7,663 C.Y.
EMB. = 0



EXC. = 8,087 C.Y.
EMB. = 0



EXC. = 8,467 C.Y.
EMB. = 0

BORROW PIT SECTIONS

℄ INTERSTATE ROUTE H-1

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

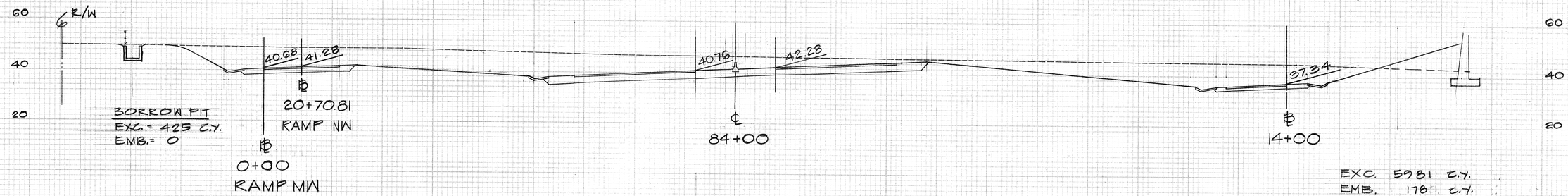
ORIGINAL SURVEY — NOTE BOOK — No. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

GEORGE Y. A-I
REGISTERED PROFESSIONAL ENGINEER
No. 1089
HAWAII, U.S.A.

WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

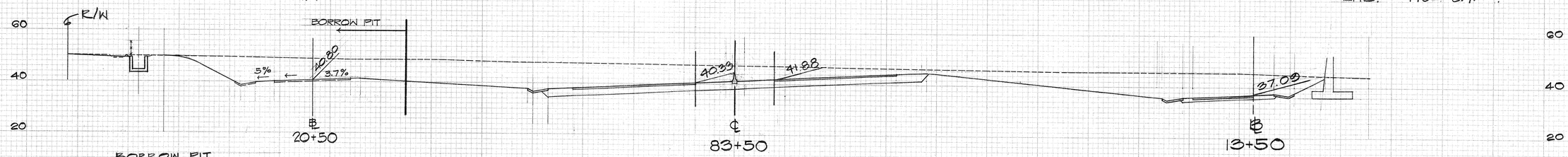
Wilbert T. Takamiya
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	204	220



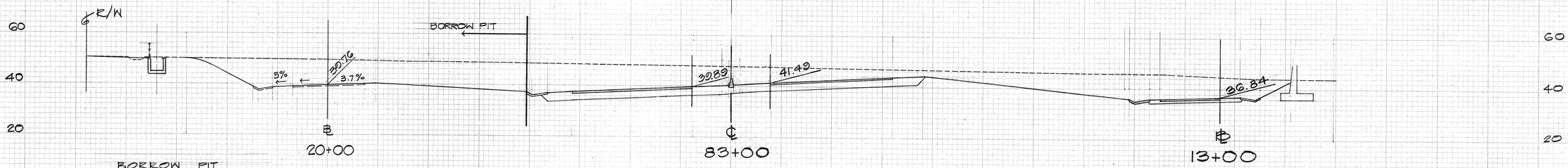
BORROW PIT
EXC. = 425 C.Y.
EMB. = 0

EXC. 5981 C.Y.
EMB. 178 C.Y.



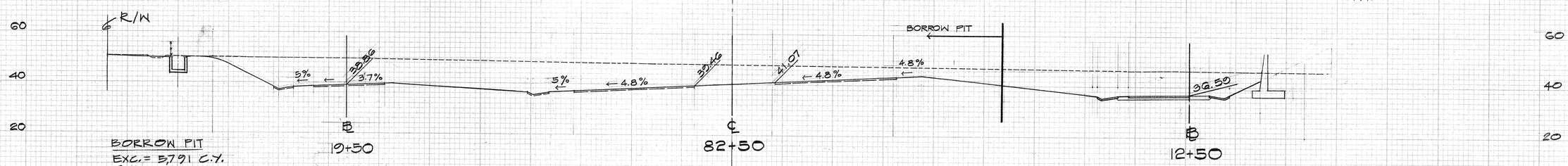
BORROW PIT
EXC. = 2,724 C.Y.
EMB. = 0

EXC. 5,219 C.Y.
EMB. 0.



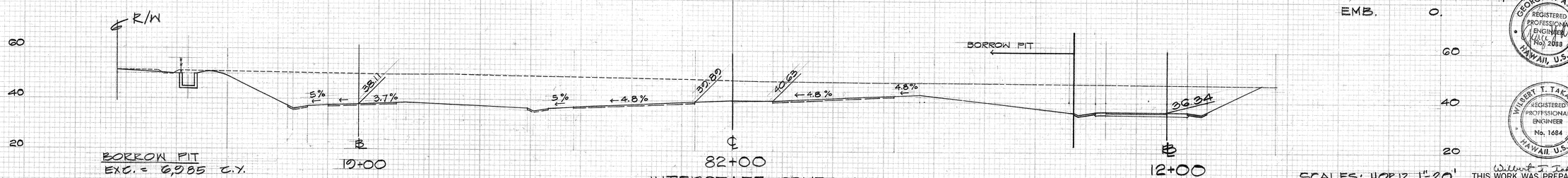
BORROW PIT
EXC. = 4,545 C.Y.
EMB. = 0

EXC 3,352 C.Y.
EMB 0.



BORROW PIT
EXC. = 5,791 C.Y.
EMB. = 0

EXC. 1526 C.Y.
EMB. 0.



BORROW PIT
EXC. = 6,985 C.Y.
EMB. = 0

SCALES: HORIZ. 1"=20'
VERT. 1"=20'

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert T. Takamiya
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

FINAL SURVEY — NOTE BOOK — No. — REVISED, PLOTTED, TEMPLATE, AREAS, CROSSED — BY — DATE

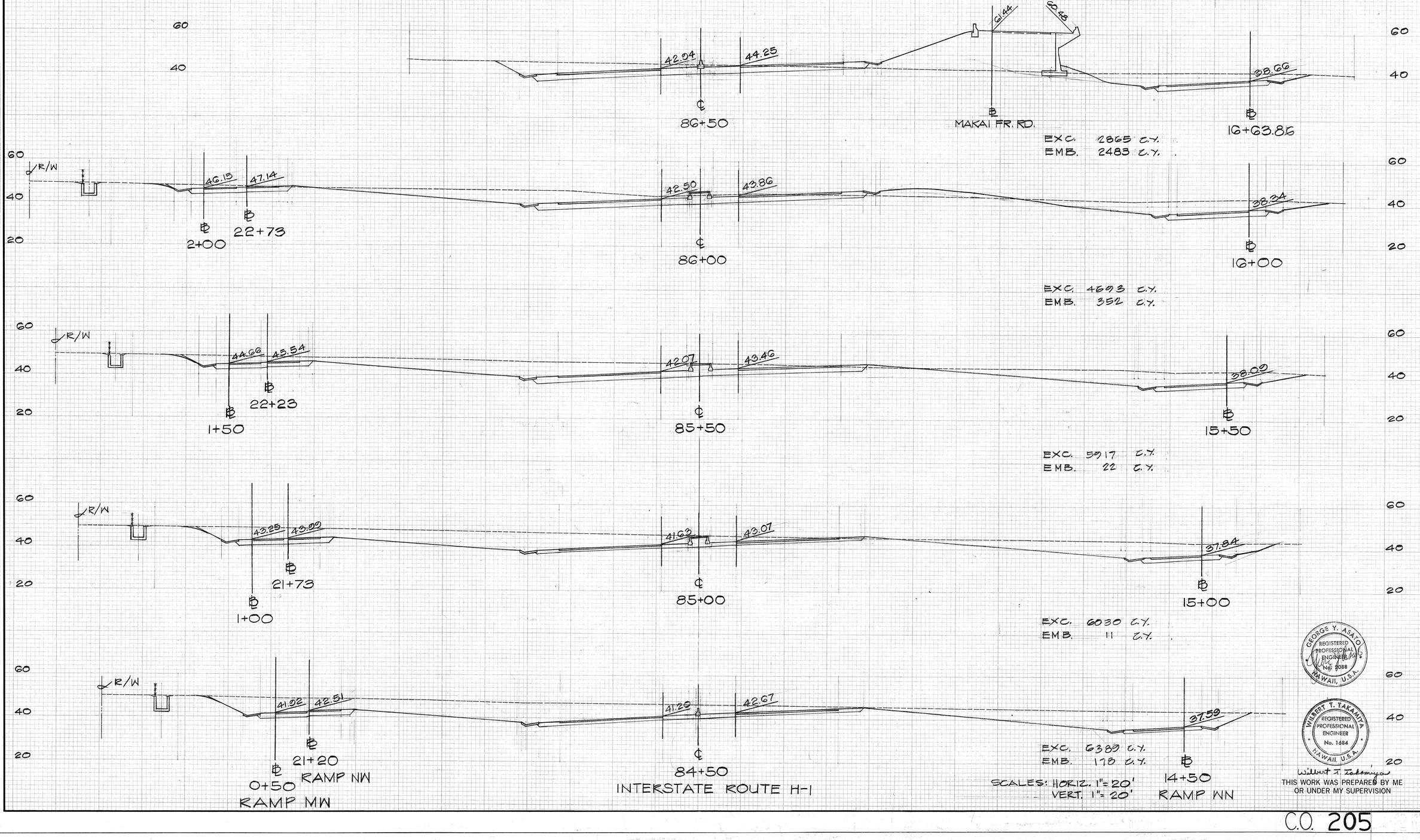
ORIGINAL SURVEY — NOTE BOOK — No. — REVISED, PLOTTED, TEMPLATE, AREAS, CROSSED — BY — DATE

DATE	REVISION
11/8/73	REVISED MEDIAN

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110):15	1973	205	220

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

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



SCALES: HORIZ. 1"= 20'
VERT. 1"= 20'

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 3088
HAWAII, U.S.A.

WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

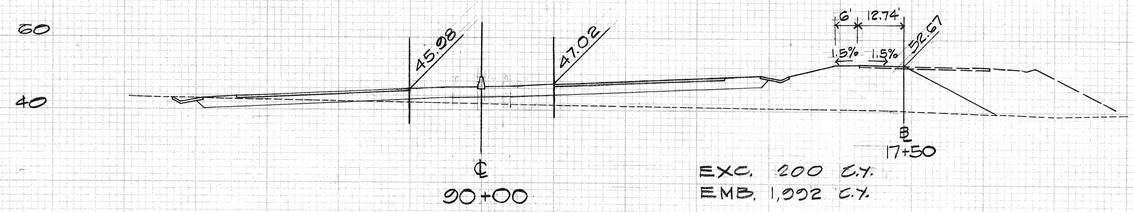
Wilbert T. Takamiya

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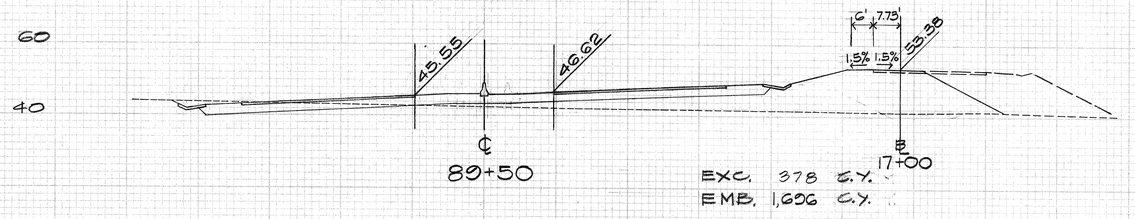
C.O. 205

DATE	REVISION
11/8/73	REVISED MEDIAN C.O. #15

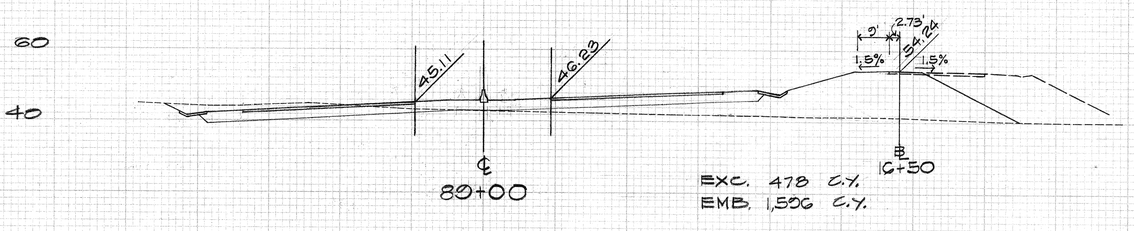
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110):15	1973	206	220



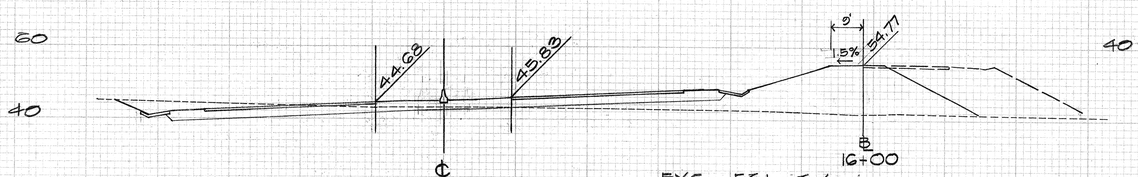
EXC. 200 C.Y.
EMB. 1,092 C.Y.



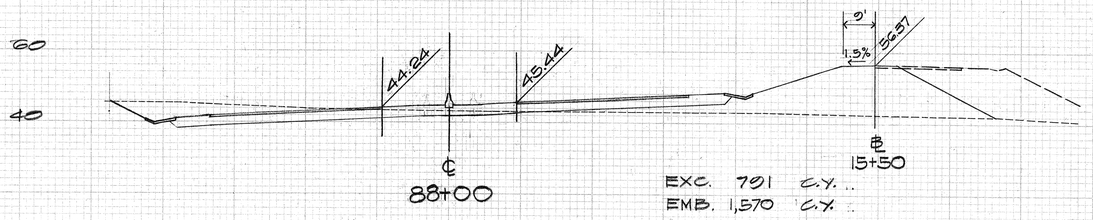
EXC. 378 C.Y.
EMB. 1,606 C.Y.



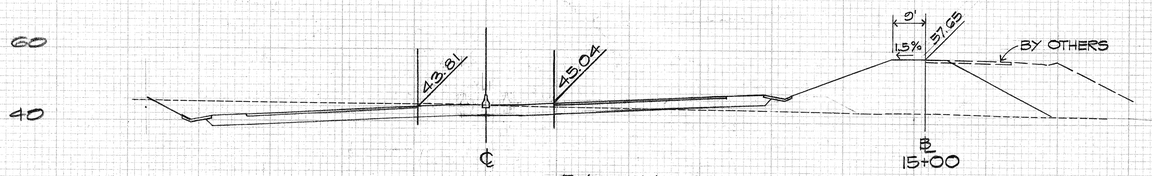
EXC. 478 C.Y.
EMB. 1,506 C.Y.



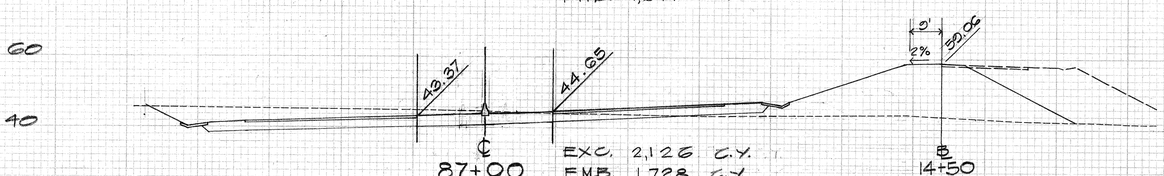
EXC. 561 C.Y.
EMB. 1,540 C.Y.



EXC. 701 C.Y.
EMB. 1,570 C.Y.



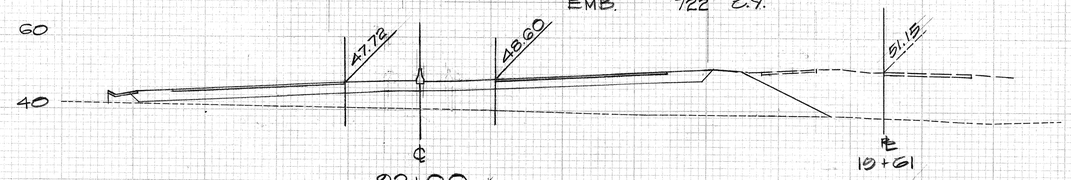
EXC. 1,148 C.Y.
EMB. 1,644 C.Y.



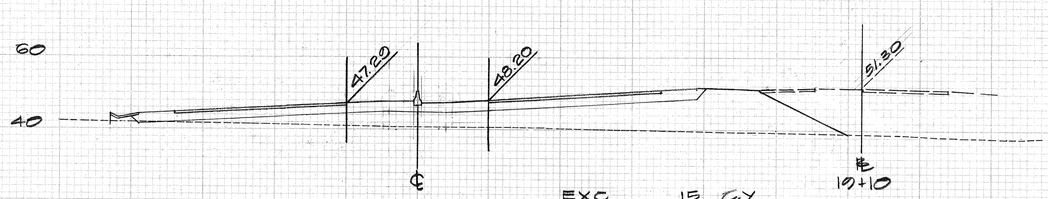
EXC. 2,126 C.Y.
EMB. 1,728 C.Y.

INTERSTATE ROUTE H-1

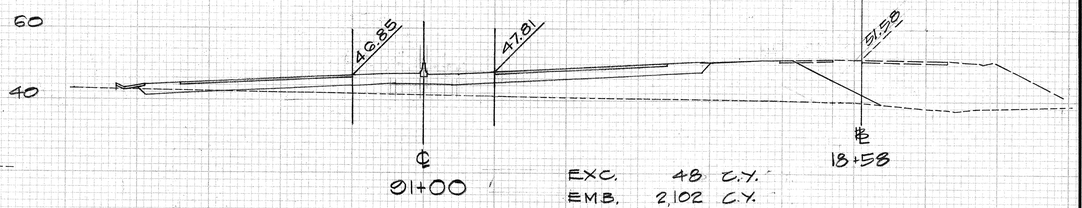
EXC. 0 C.Y.
EMB. 722 C.Y.



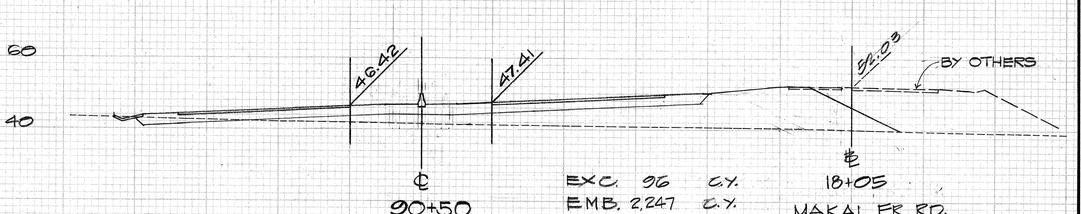
EXC. 0 C.Y.
EMB. 2,566 C.Y.



EXC. 15 C.Y.
EMB. 2,133 C.Y.



EXC. 48 C.Y.
EMB. 2,102 C.Y.



EXC. 96 C.Y.
EMB. 2,247 C.Y.

INTERSTATE ROUTE H-1

SUBTOTAL

EXCAVATION:	47,813	CUBIC YARDS
EMBANKMENT:	24,762	CUBIC YARDS

SCALES: HORIZ: 1"=20'
VERT. 1"=20'

GEORGE Y. ASAIO
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HAWAII, U.S.A.

WILBERT T. TAKAMIYA
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HAWAII, U.S.A.

Wilbert T. Takamiya

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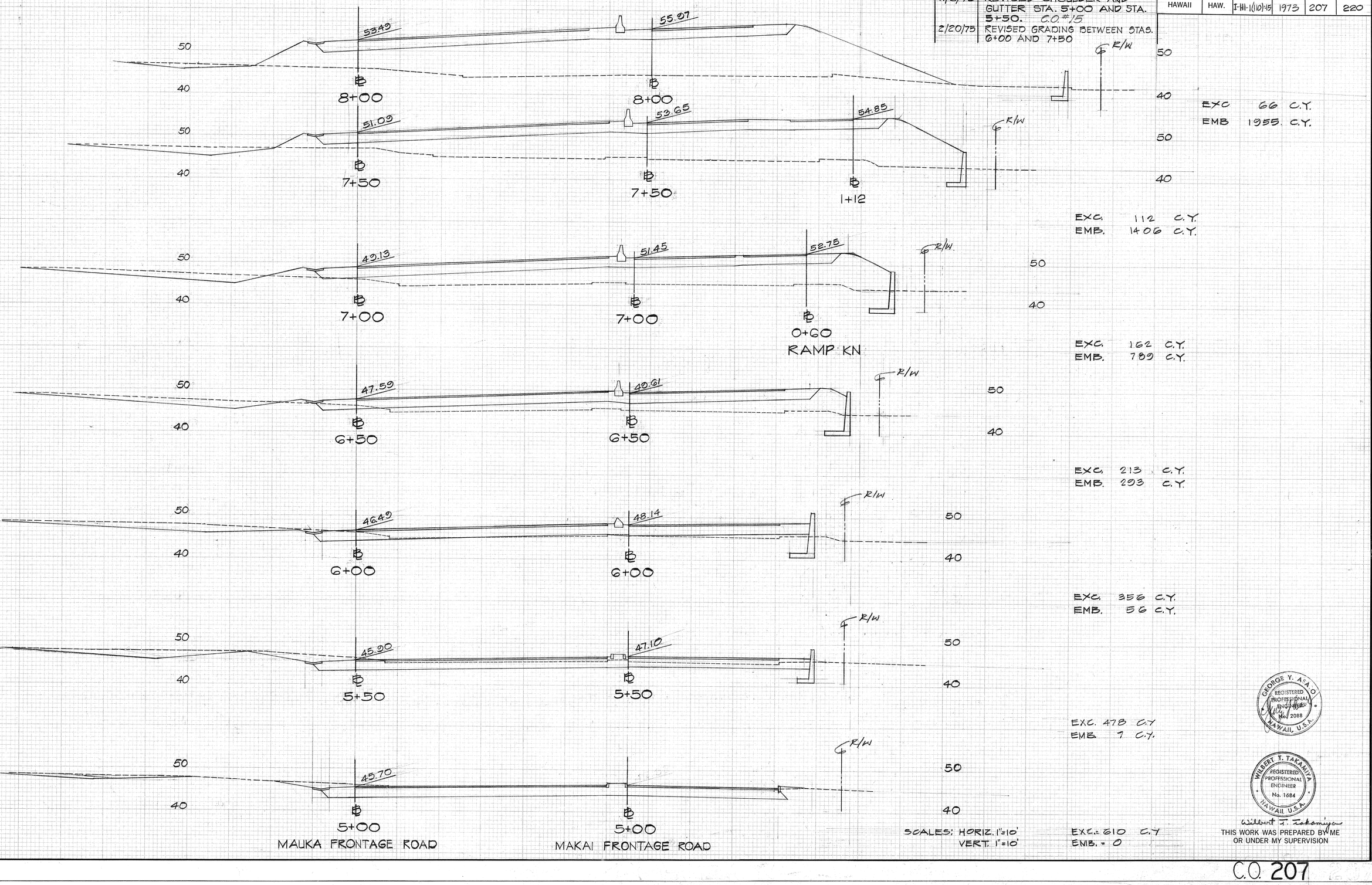
C.O. 206

FINAL SURVEY — REVIEWED, PLOTTED, TEMPLATE, AREAS, CHECKED — NOTE BOOK — No. — BY — DATE

ORIGINAL SURVEY — REVIEWED, PLOTTED, TEMPLATE, AREAS, CHECKED — NOTE BOOK — No. — BY — DATE

DATE	REVISION
11/8/73	REVISED SHOULDER AND GUTTER STA. 5+00 AND STA. 5+50. C.O.#15
2/20/75	REVISED GRADING BETWEEN STAS. 6+00 AND 7+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(10)45	1973	207	220



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ACOSTA
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

WILBERT Y. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert Y. Takamiya

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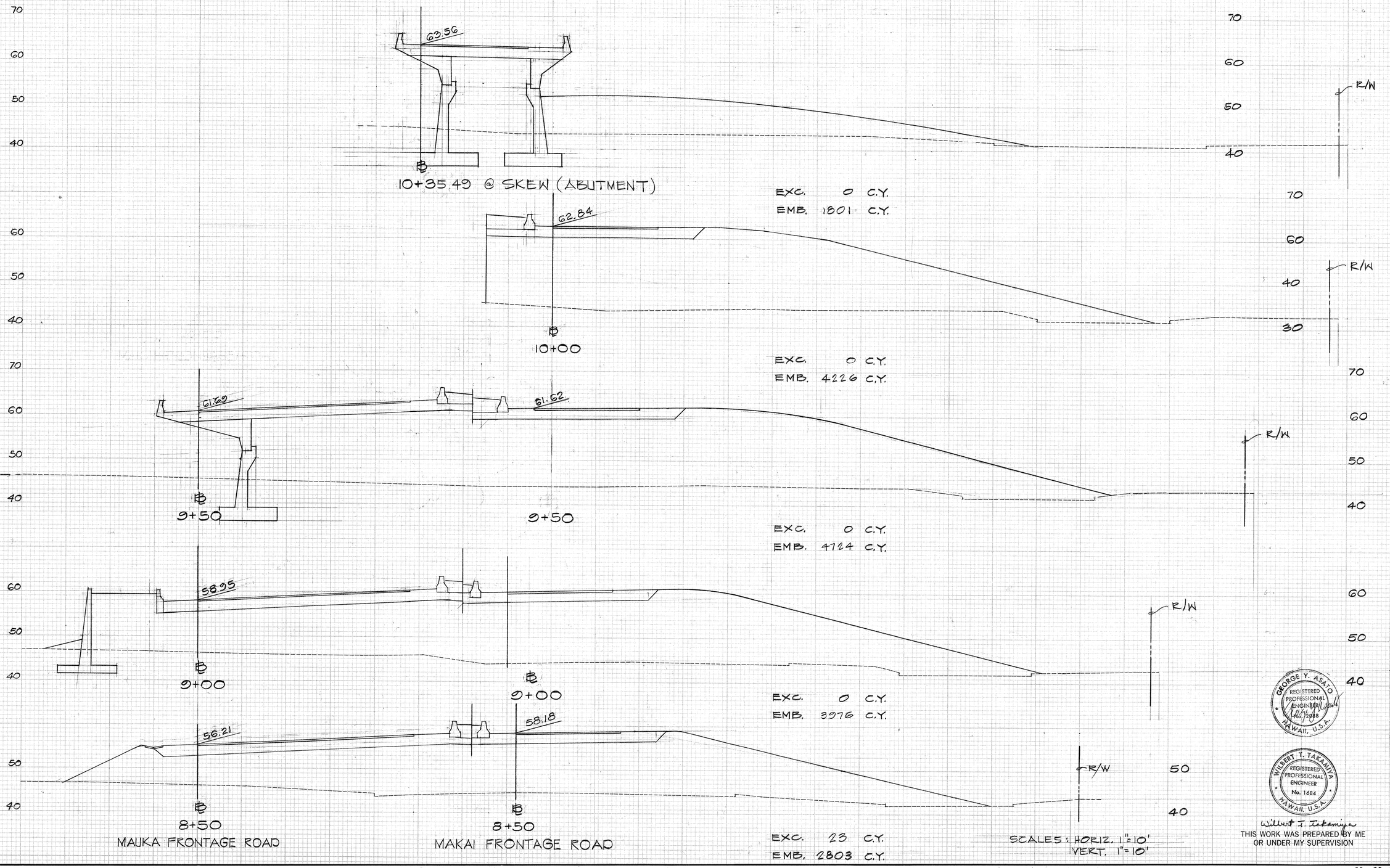
C.O. 207

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

ORIGINAL SURVEY — RUN/VPED, PLOTTED, TEMPLATE, AREAS, NOTE BOOK, ARGUS CHECKED, BY, DATE, No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	208	220

SUBTOTAL
EXCAVATION: 2,020 CUBIC YARDS
EMBANKMENT: 22034 CUBIC YARDS



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ASAITO
REGISTERED PROFESSIONAL ENGINEER
No. 5088
HAWAII, U.S.A.

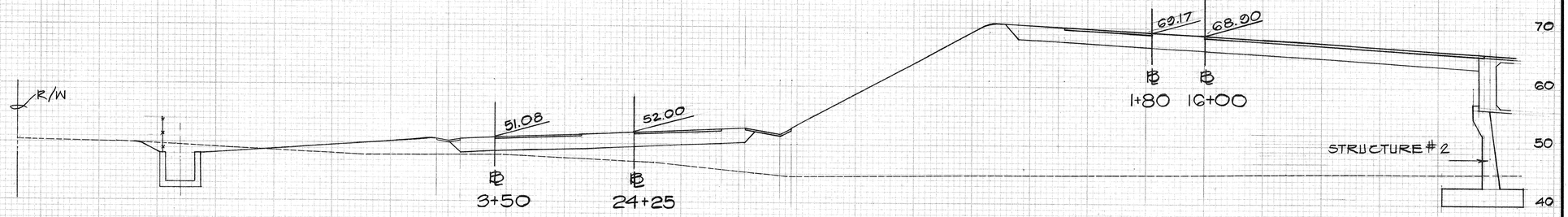
WILBERT Y. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert Y. Takamiya
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

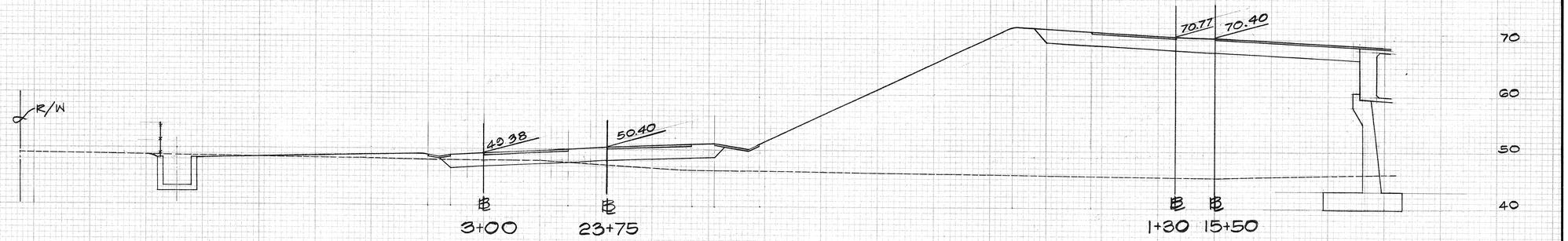
FINAL SURVEY — ORIGINAL SURVEY
BY / DATE
SURVEYED
RECORDED
TEMPLATES
AREAS
AREAS CHECKED
SURVEY BOOK
No.

2088

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-III-1(110):15	1973	209	220



EXC. 52 C.Y.
EMB. 4480 C.Y.



EXC. 90 C.Y.
EMB. 3744 C.Y.



EXC. = 468 C.Y.
EMB. = 1682 C.Y.

SCALES: HORIZ. 1" = 10'
VERT. 1" = 10'

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

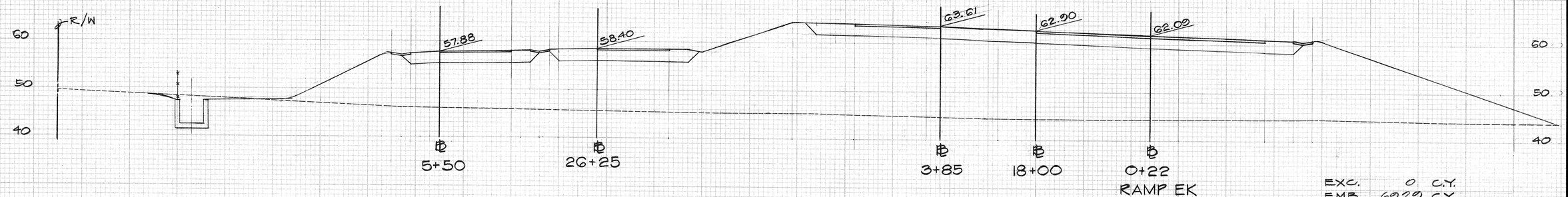
WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert T. Takamiya
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

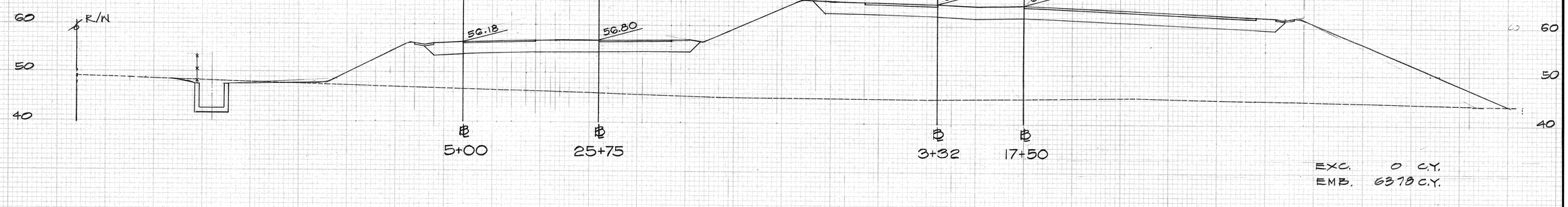
FINAL SURVEY — SURVEYED, PLOTTED, TRIMPLATE, AREAS, AREAS CHECKED — NOTE BOOK — No. — BY — DATE

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

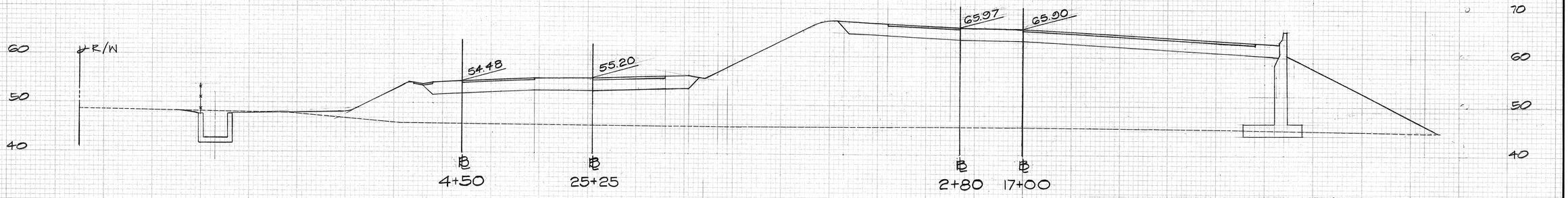
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	210	220



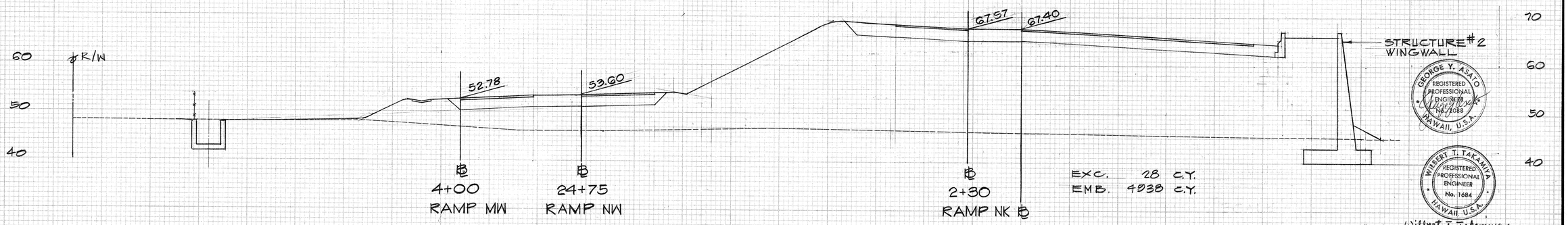
EXC. 0 C.Y.
EMB. 6929 C.Y.



EXC. 0 C.Y.
EMB. 6378 C.Y.



EXC. 0 C.Y.
EMB. 5193 C.Y.



EXC. 28 C.Y.
EMB. 4938 C.Y.

GEORGE Y. ASAJO
REGISTERED PROFESSIONAL ENGINEER
No. 7088
HAWAII, U.S.A.

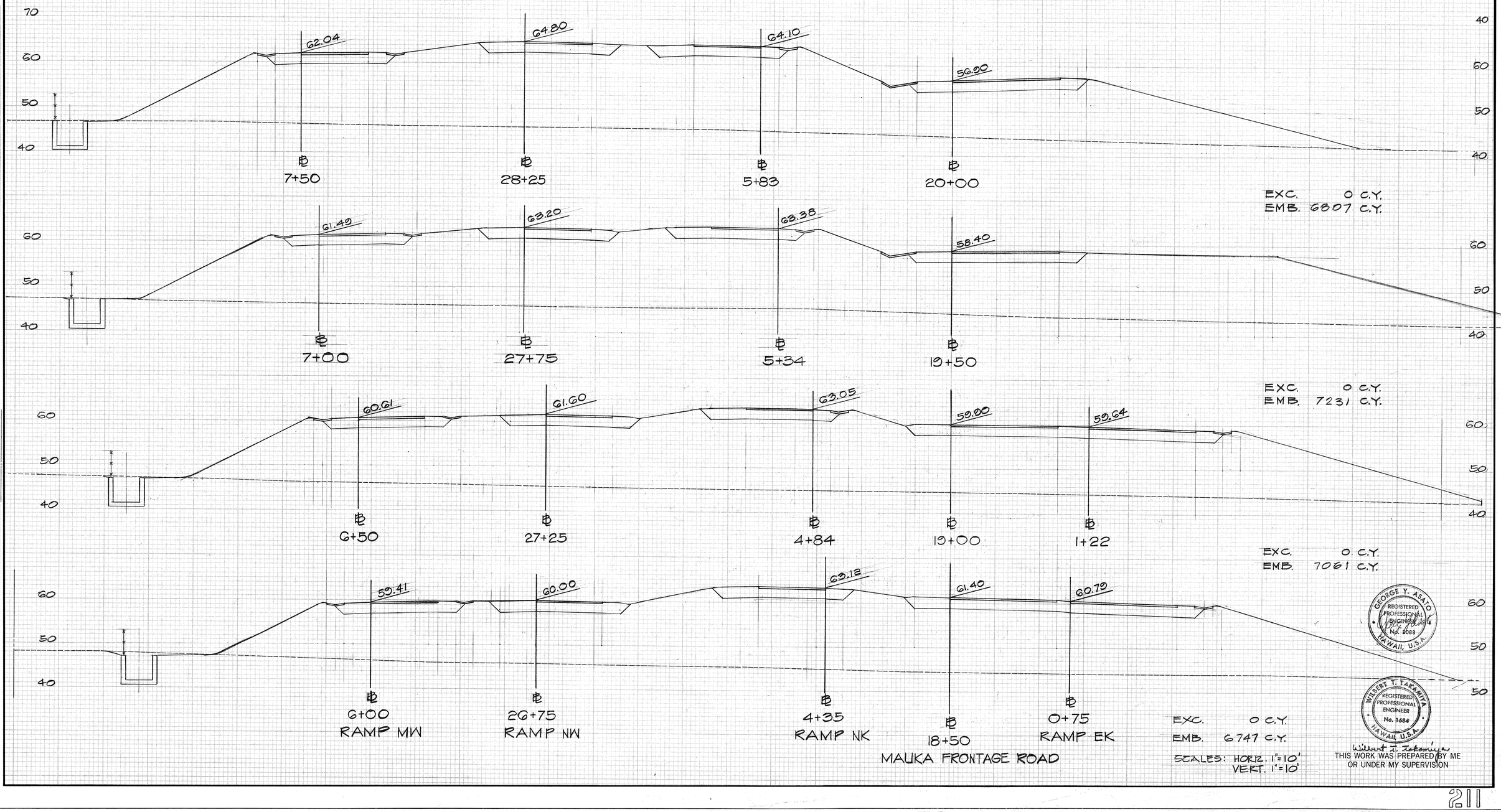
WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

SCALES: HORIZ. 1"=10'
VERT. 1"=10'

Wilbert T. Takamiya
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ORIGINAL SURVEY
NOTE BOOK
No.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	211	220



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ASAJO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

WILBERT T. TABAMITA
REGISTERED PROFESSIONAL ENGINEER
No. 1686
HAWAII, U.S.A.

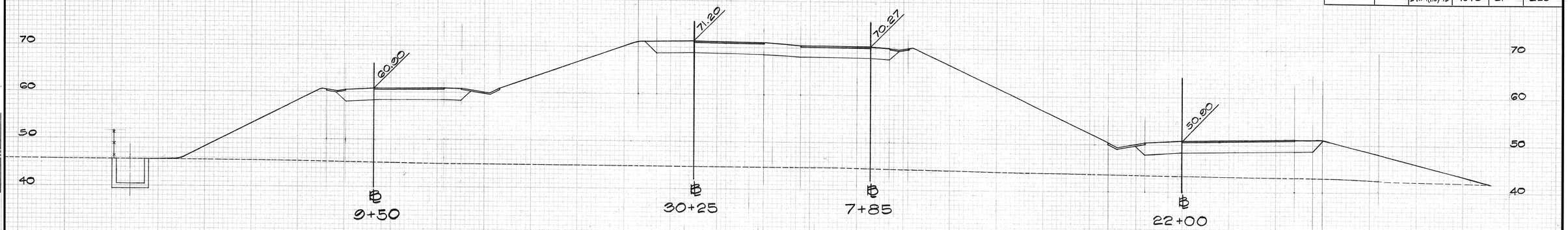
Wilbert T. Tabamita

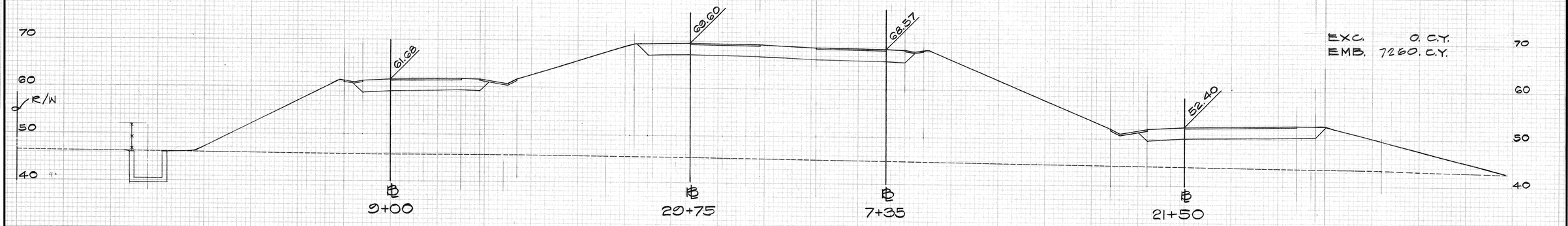
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

FINAL SURVEY — BY — DATE — SURVEYED — PLOTTED — TEMPLATES — AREAS — AREAS CHECKED — NOTE BOOK — No.

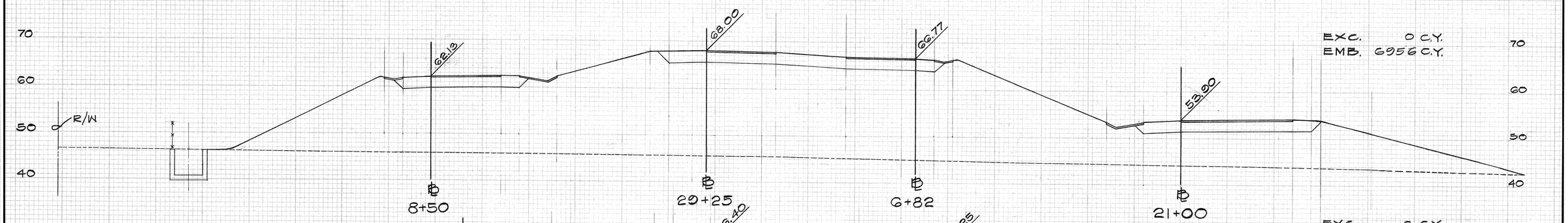
ORIGINAL SURVEY — BY — DATE — SURVEYED — PLOTTED — TEMPLATES — AREAS — AREAS CHECKED — NOTE BOOK — No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(10)15	1973	212	220

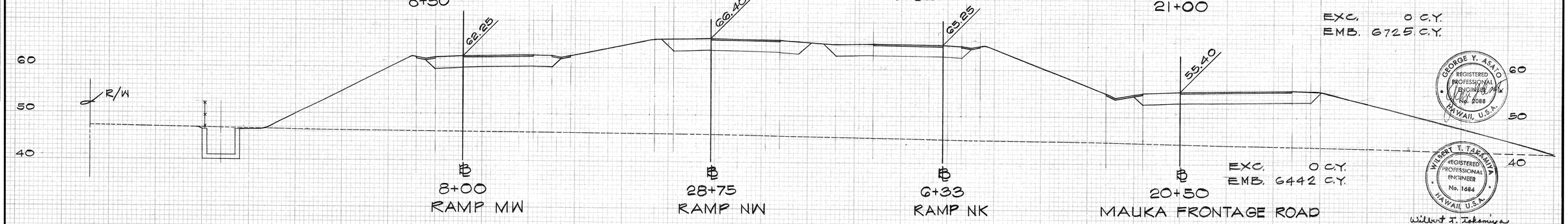




EXC. 0 C.Y.
EMB. 7260 C.Y.



EXC. 0 C.Y.
EMB. 6956 C.Y.



EXC. 0 C.Y.
EMB. 6725 C.Y.

EXC. 0 C.Y.
EMB. 6442 C.Y.

SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

WILBERT Y. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert Y. Takamiya

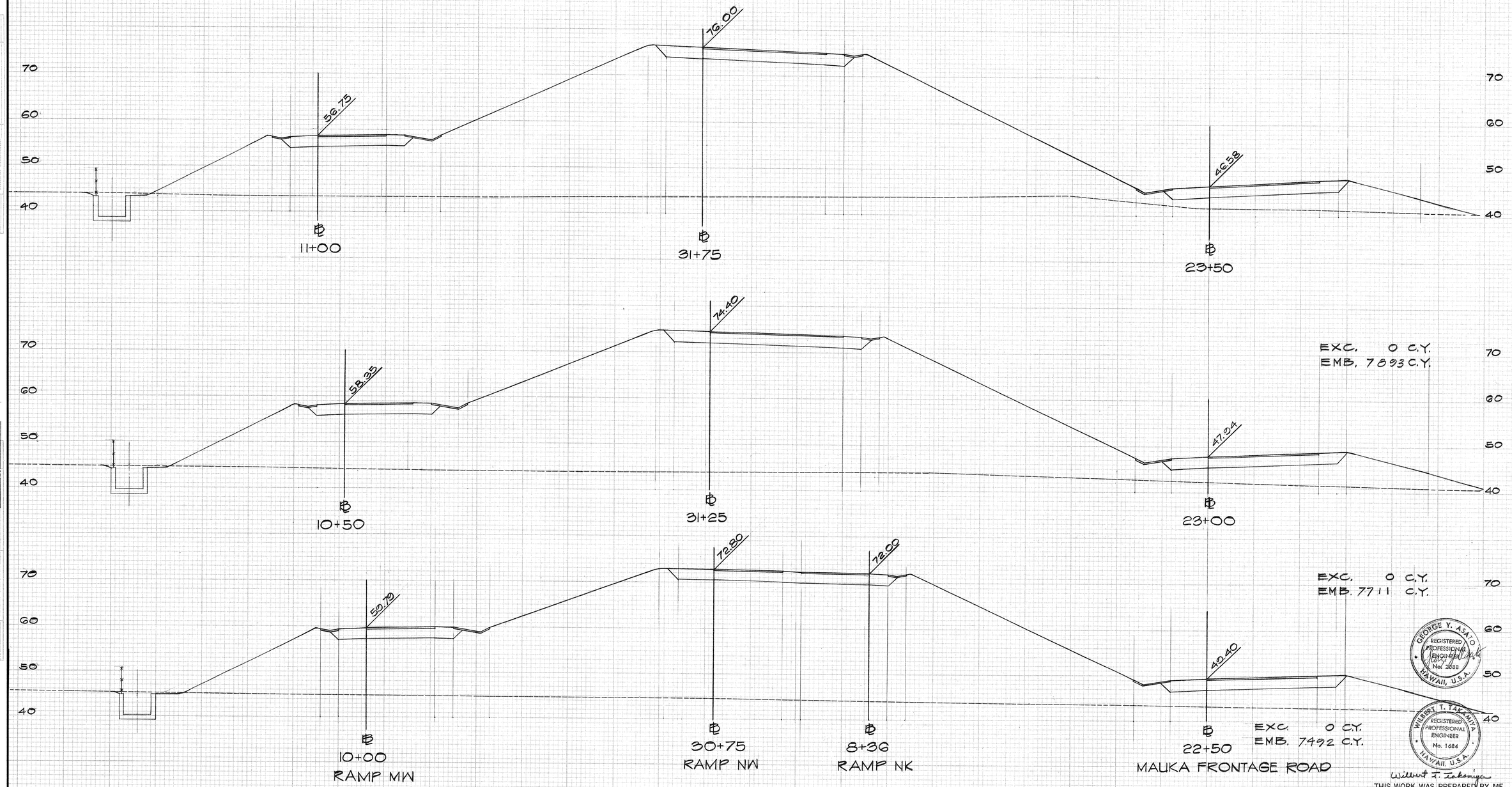
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FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, No., BY, DATE

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110):15	1973	213	220

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, CROSSED — BY — DATE — NOTE BOOK — No.



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
No. 2088
HAWAII, U.S.A.

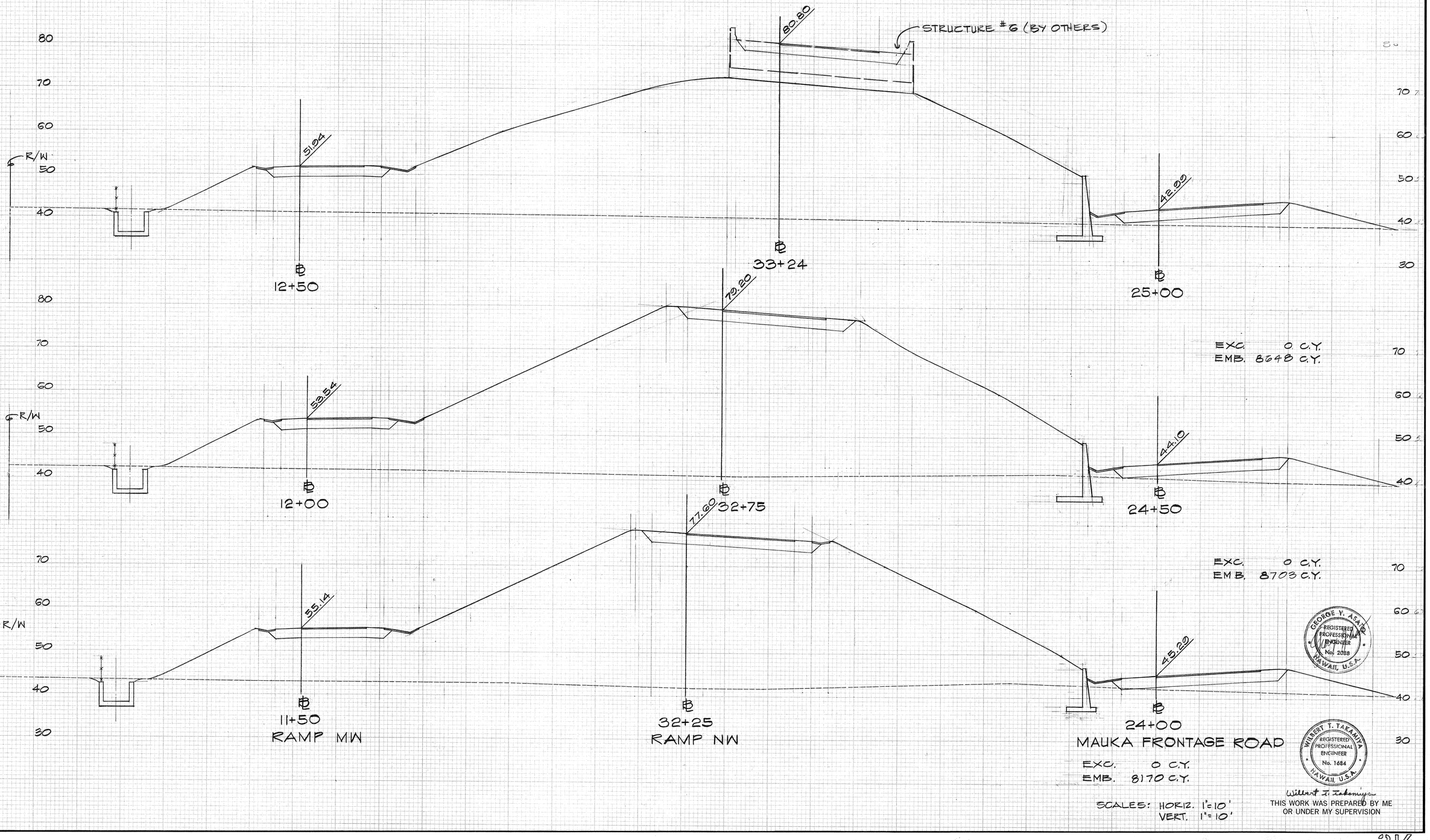
WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert T. Takamiya

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ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, CROSSED — BY — DATE — NOTE BOOK — No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	214	220



EXC. 0 C.Y.
EMB. 8648 C.Y.

EXC. 0 C.Y.
EMB. 8703 C.Y.

EXC. 0 C.Y.
EMB. 8170 C.Y.

SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ASATO
REGISTERED PROFESSIONAL ENGINEER
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HAWAII, U.S.A.

WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

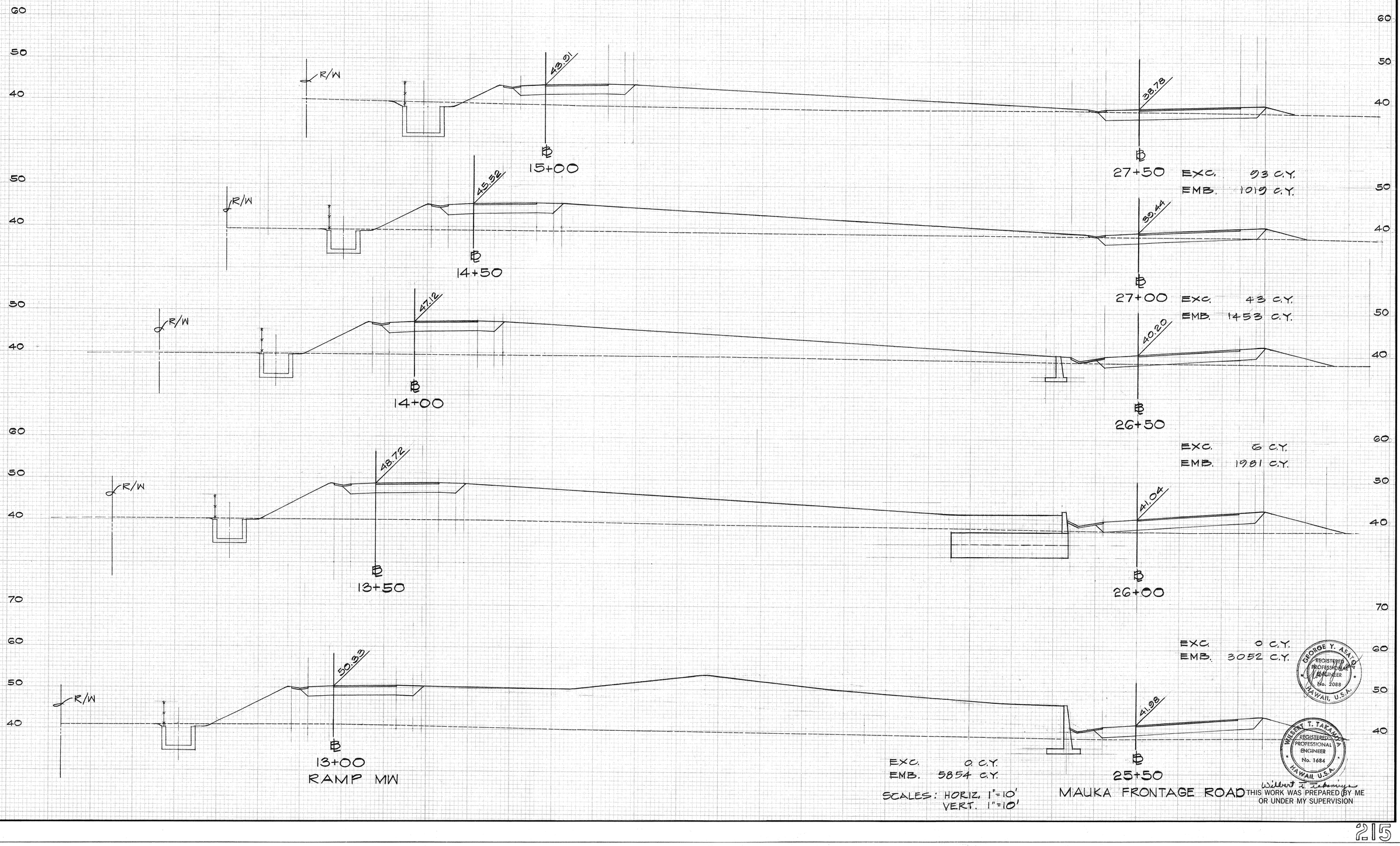
Wilbert T. Takamiya

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FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE — NOTES BOOK — No.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE — NOTES BOOK — No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110):15	1973	215	220



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

MAUKA FRONTAGE ROAD

GEORGE Y. ASATO REGISTERED PROFESSIONAL ENGINEER No. 2088 HAWAII, U.S.A.

WILBERT T. TAKAMIYA REGISTERED PROFESSIONAL ENGINEER No. 1684 HAWAII, U.S.A.

Wilbert T. Takamiya

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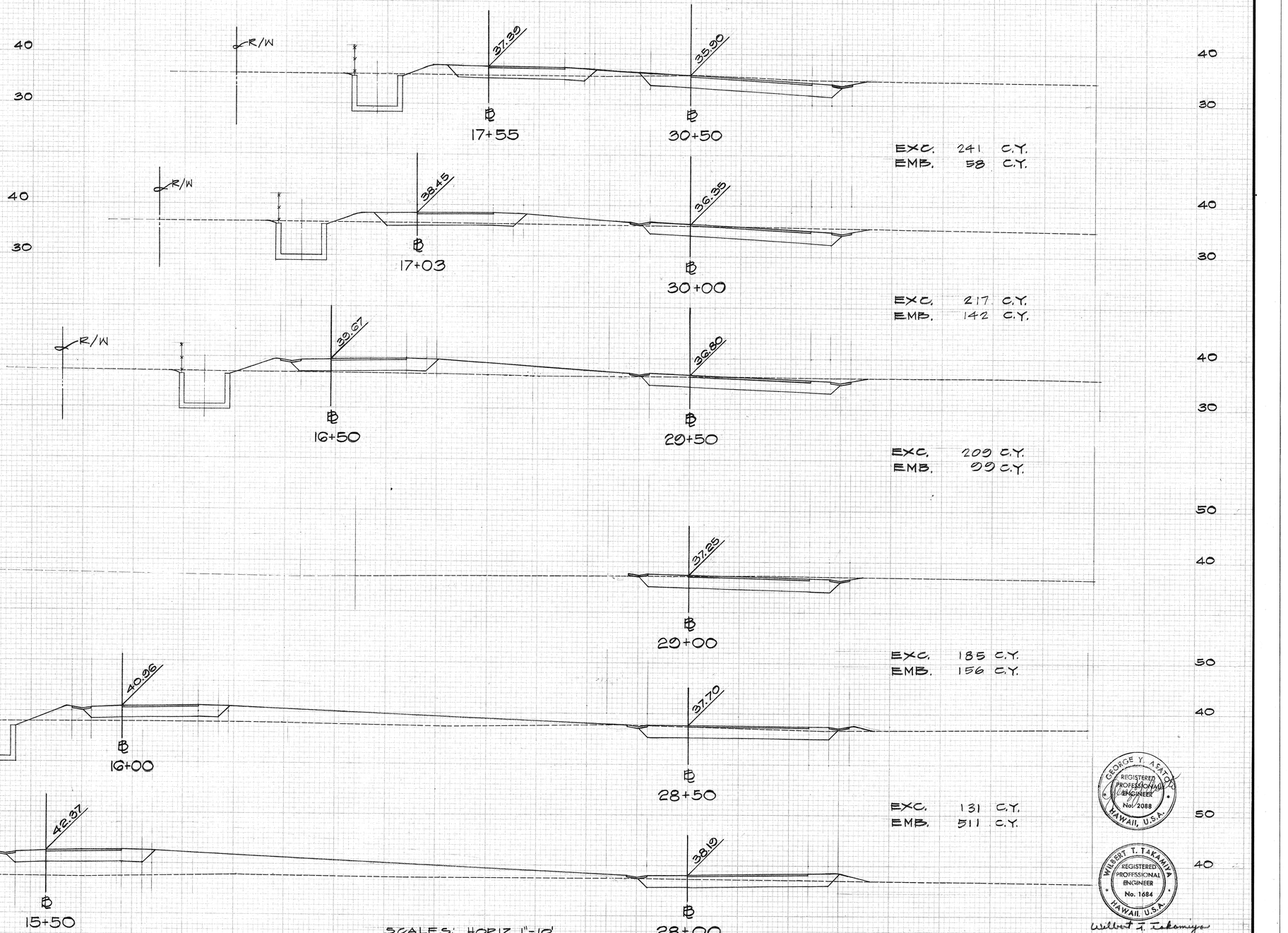
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, CROSSED — DATE — BY — No. — NOTE BOOK

FINAL SURVEY — PLOTTED, TEMPLATE, AREAS, CROSSED — DATE — BY — No. — NOTE BOOK

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(10)15	1973	216	220

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

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



SCALES: HORIZ. 1"=10'
VERT 1"=10'

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HAWAII, U.S.A.

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REGISTERED PROFESSIONAL ENGINEER
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HAWAII, U.S.A.

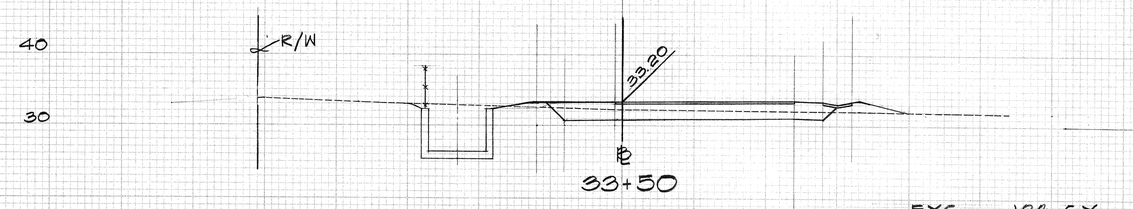
Wilbert T. Takamiya

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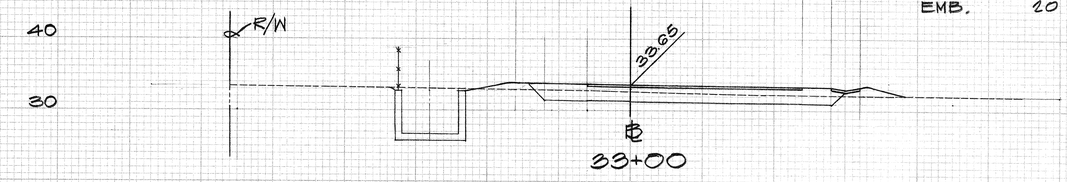
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110):15	1973	217	220

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

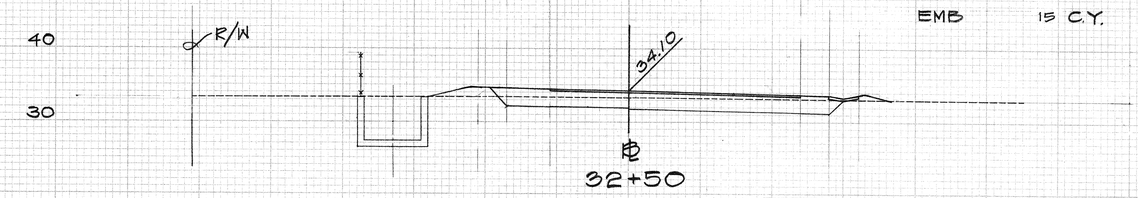
ORIGINAL SURVEY — NOTE BOOK — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — BY — DATE — No.



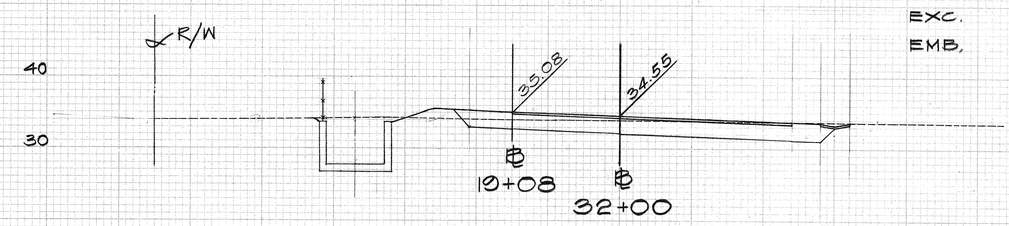
EXC. 102 C.Y.
EMB. 20 C.Y.



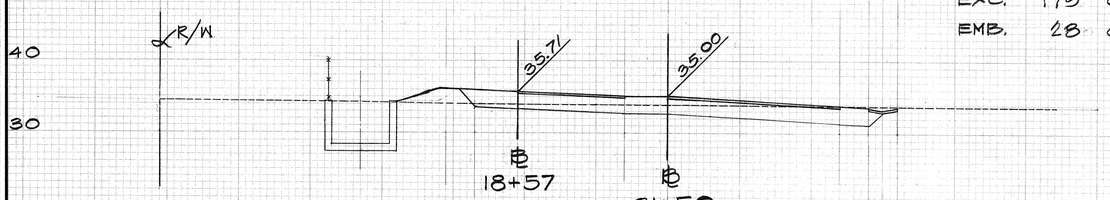
EXC. 130 C.Y.
EMB 15 C.Y.



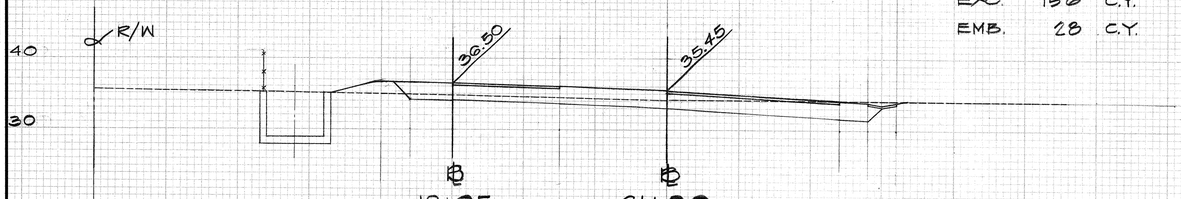
EXC. 175 C.Y.
EMB. 15 C.Y.



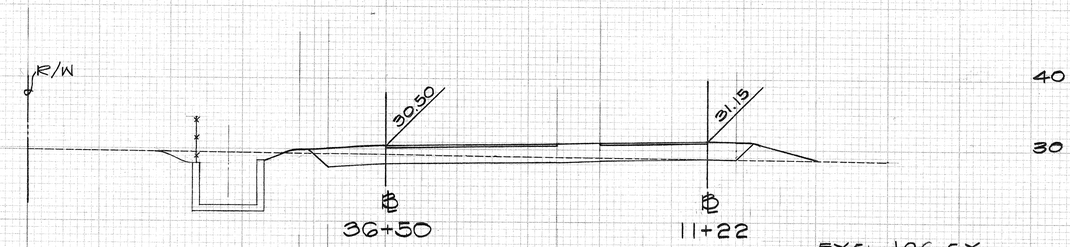
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EMB. 28 C.Y.



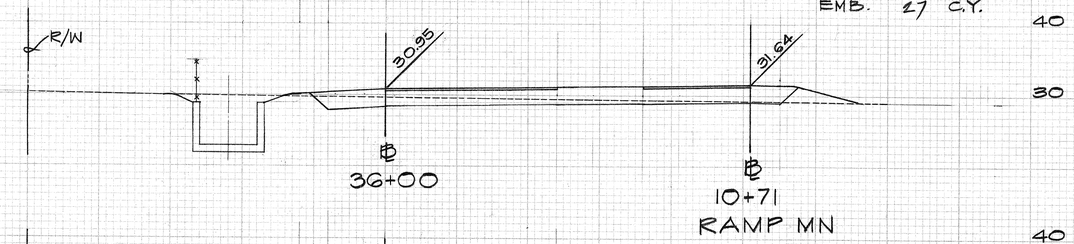
EXC. 156 C.Y.
EMB. 28 C.Y.



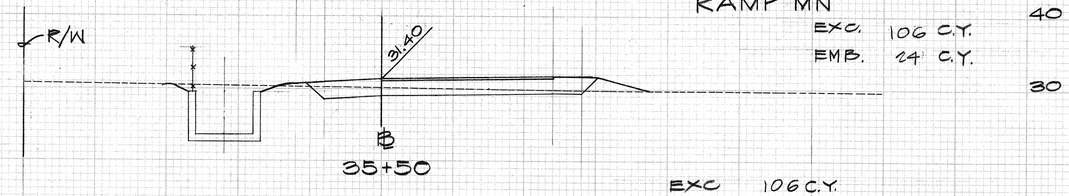
EXC. 207 C.Y.
EMB. 25 C.Y.



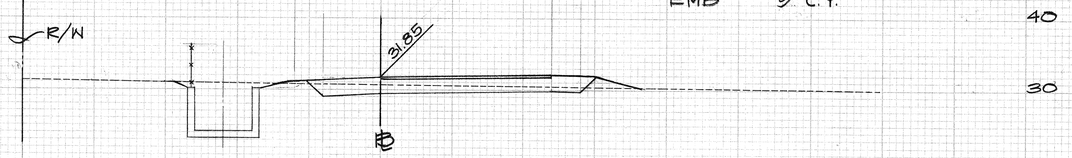
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EMB. 27 C.Y.



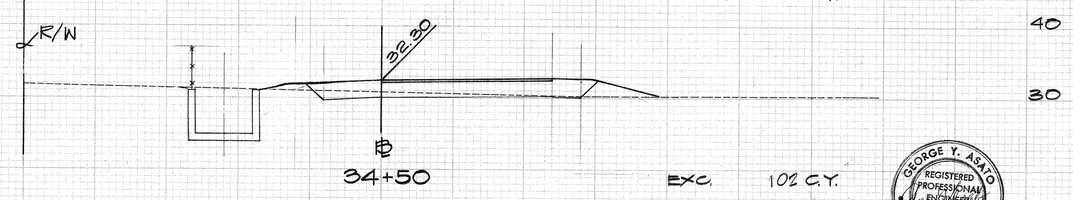
EXC. 106 C.Y.
EMB. 24 C.Y.



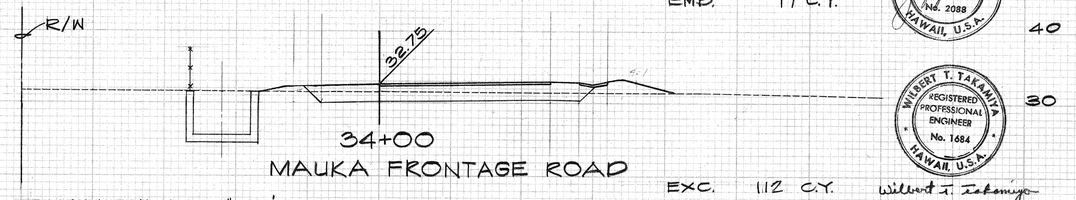
EXC. 106 C.Y.
EMB. 9 C.Y.



EXC. 94 C.Y.
EMB. 8 C.Y.



EXC. 102 C.Y.
EMB. 17 C.Y.



EXC. 112 C.Y.
EMB. 24 C.Y.

SCALES: HORIZ. 1"=10'
VERT 1"=10'

GEORGE Y. ASATO
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HAWAII, U.S.A.

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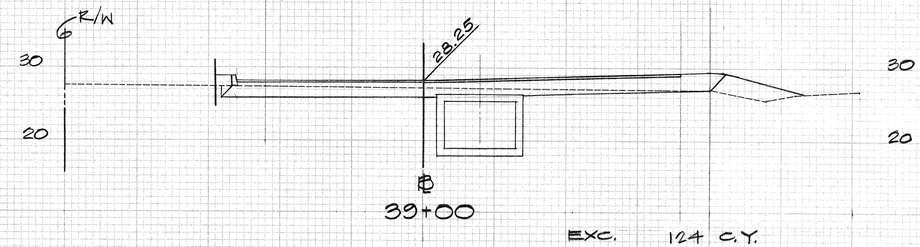
Wilbert Y. Takamiya

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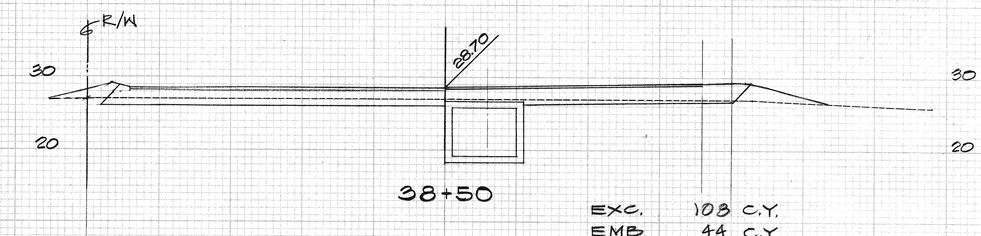
DATE	REVISION
11/5/73	DELETED CURB AND GUTTER FROM STA. 39+88.88 TO STA. 41+56.14 RT. CO #15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	218	220

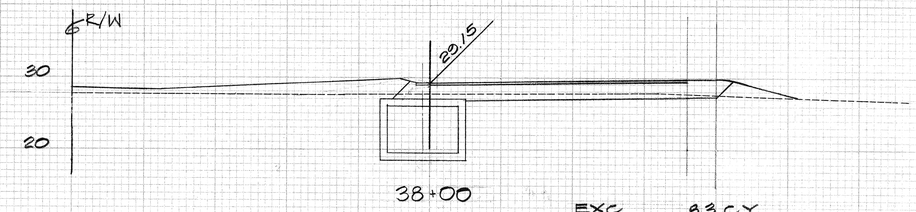
SUBTOTAL:
EXCAVATION: 4,415 CUBIC YDS.
EMBANKMENT: 153,361 CUBIC YDS.



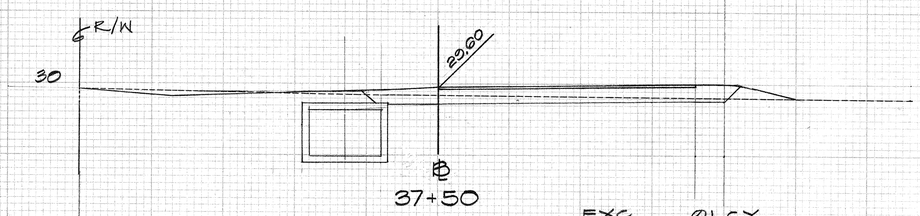
EXC. 124 C.Y.
EMB. 40 C.Y.



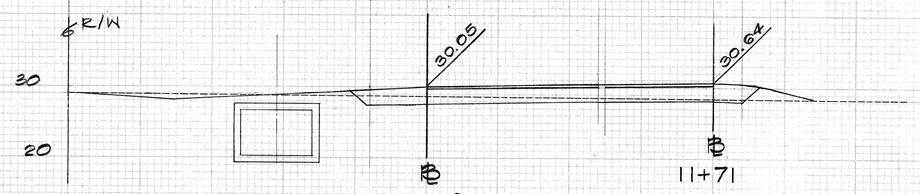
EXC. 108 C.Y.
EMB. 44 C.Y.



EXC. 83 C.Y.
EMB. 38 C.Y.

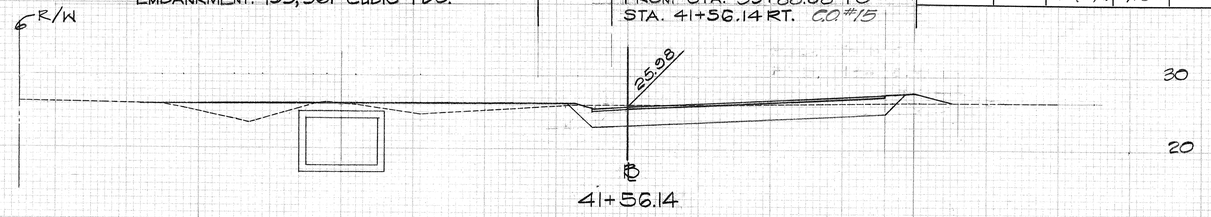


EXC. 91 C.Y.
EMB. 35 C.Y.

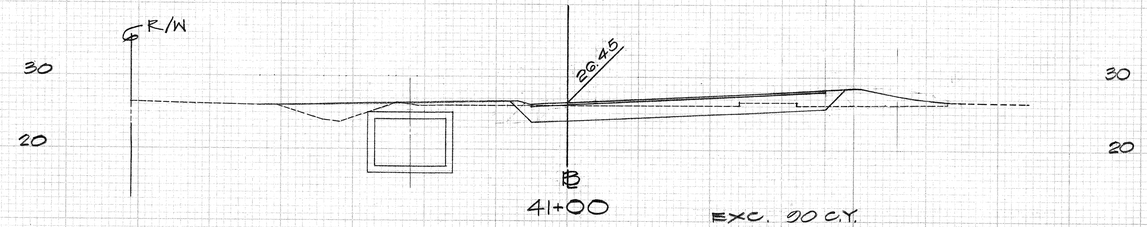


MAUKA FRONTAGE ROAD

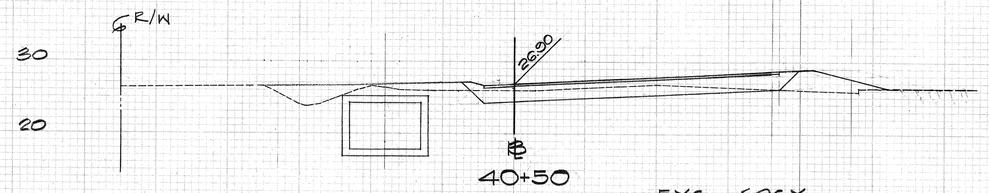
EXC. 95 C.Y.
EMB. 28 C.Y.



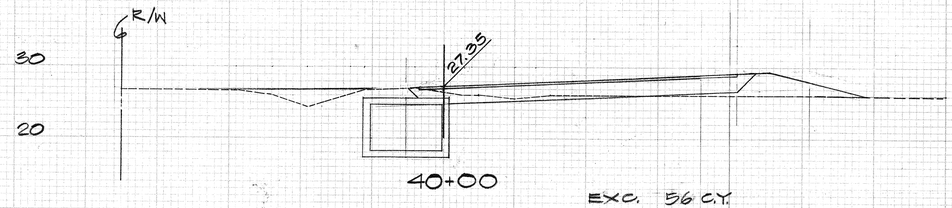
EXC. 155 C.Y.
EMB. 134 C.Y.



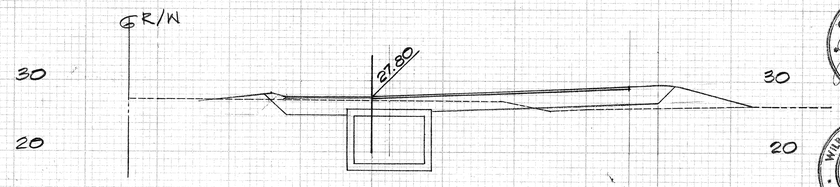
EXC. 90 C.Y.
EMB. 113 C.Y.



EXC. 60 C.Y.
EMB. 82 C.Y.



EXC. 56 C.Y.
EMB. 48 C.Y.



MAUKA FRONTAGE ROAD

EXC. 99 C.Y.
EMB. 51 C.Y.

SCALES: HORIZ. 1"=10'
VERT. 1"=10'

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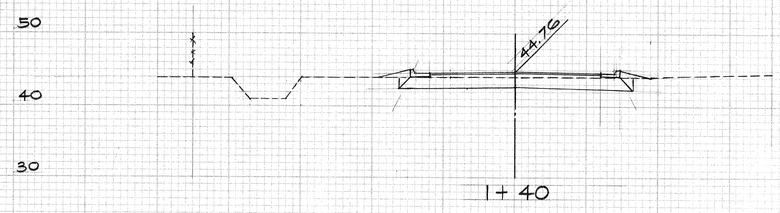
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218

C.O. 218

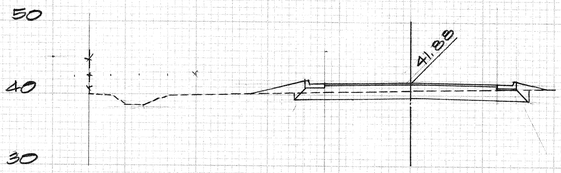
FINAL SURVEY — ORIGINAL SURVEY
DESIGNED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NOTE BOOK
DATE
BY
No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	210	220



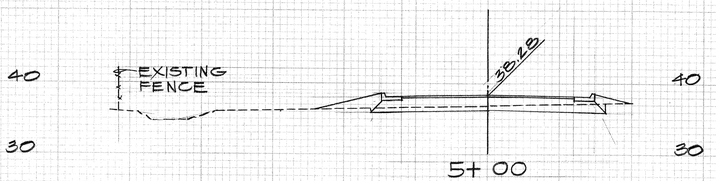
1+40

EXC. 79 C.Y.
EMB. 7 C.Y.



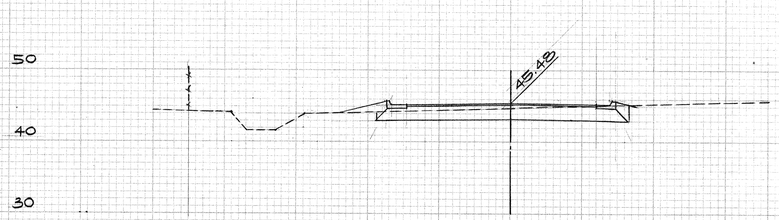
3+00

EXC. 85 C.Y.
EMB. 6 C.Y.



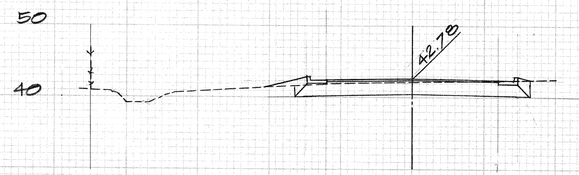
5+00

EXC. 65 C.Y.
EMB. 19 C.Y.



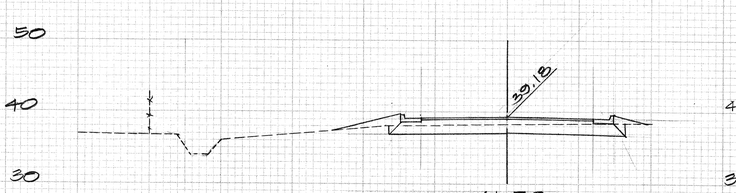
1+00

EXC. 82 C.Y.
EMB. 9 C.Y.



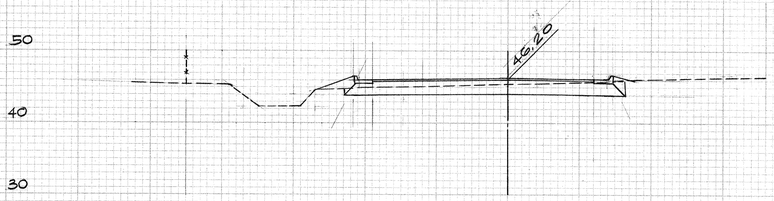
2+50

EXC. 100 C.Y.
EMB. 8 C.Y.



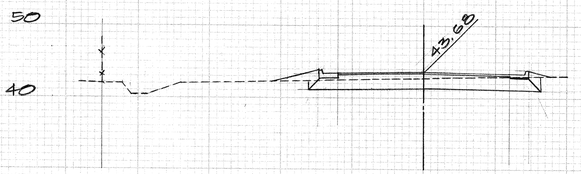
4+50

EXC. 66 C.Y.
EMB. 21 C.Y.



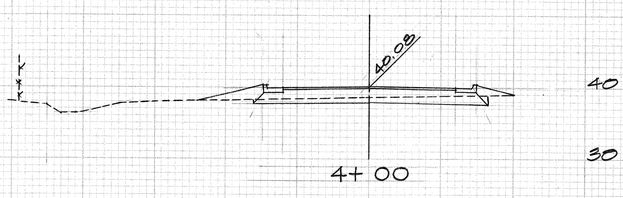
0+60

EXC.= 78 C.Y.
EMB.= 4 C.Y.



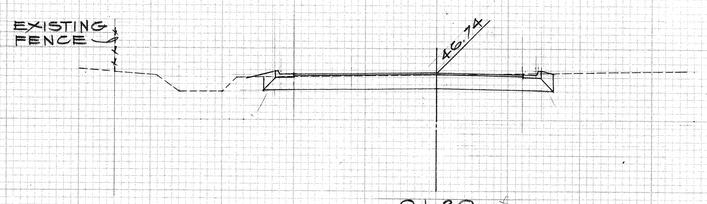
2+00

EXC. 105 C.Y.
EMB. 6 C.Y.



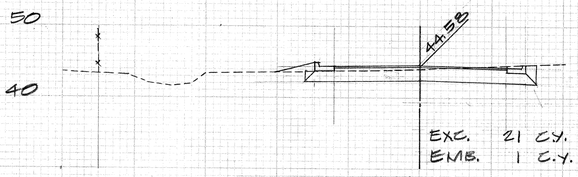
4+00

EXC. 52 C.Y.
EMB. 34 C.Y.



0+30

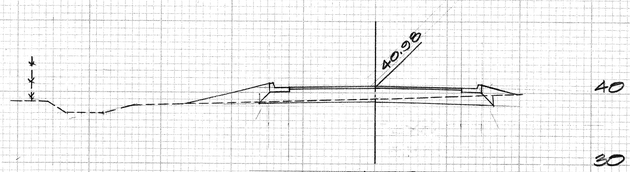
℄ VALKENBURGH STREET



EXC. 21 C.Y.
EMB. 1 C.Y.

1+50

℄ VALKENBURGH STREET



3+50

EXC. 56 C.Y.
EMB. 22 C.Y.

℄ VALKENBURGH STREET

SCALES: HORIZ. 1"=10'
VERT. 1"=10'

GEORGE Y. ASATO
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WILBERT T. TAKAMIYA
REGISTERED PROFESSIONAL ENGINEER
No. 1684
HAWAII, U.S.A.

Wilbert T. Takamiya

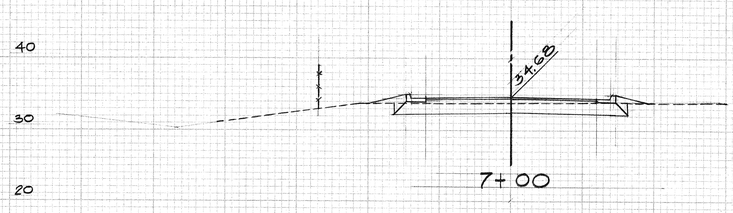
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

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

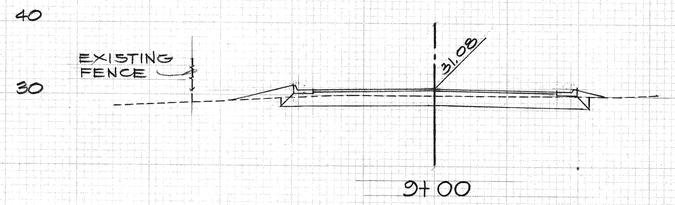
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, CROSS CHECKED — DATE, BY, NOTE BOOK, No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(110)15	1973	220	220

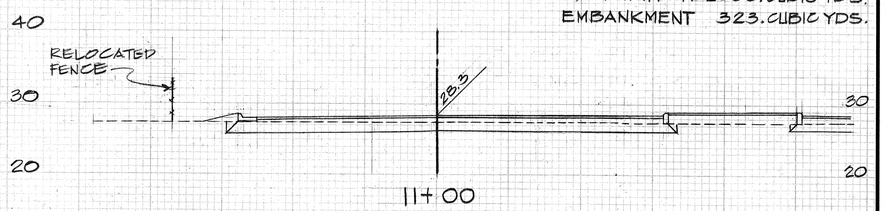
SUBTOTAL:
EXCAVATION 2000. CUBIC YDS.
EMBANKMENT 323. CUBIC YDS.



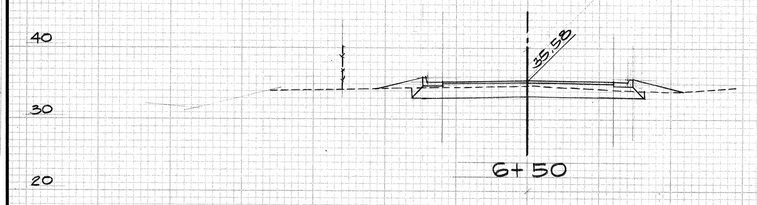
EXC. 93 C.Y.
EMB. 12 C.Y.



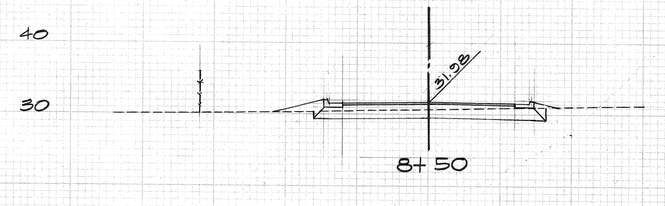
EXC. 93 C.Y.
EMB. 10 C.Y.



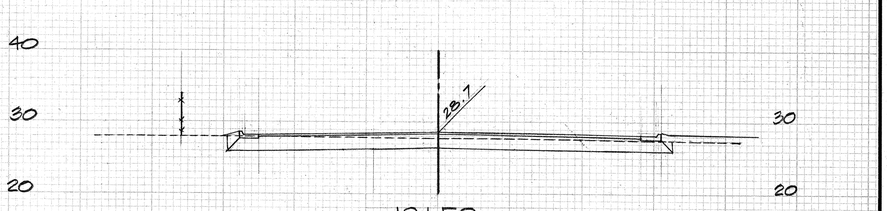
EXC. 151 C.Y.
EMB. 17. C.Y.



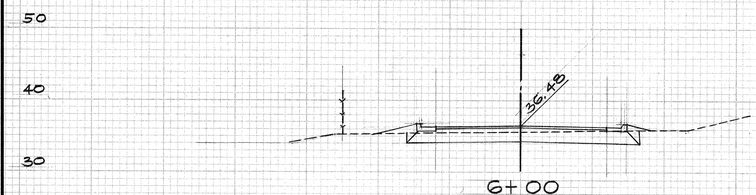
EXC. 89 C.Y.
EMB. 12 C.Y.



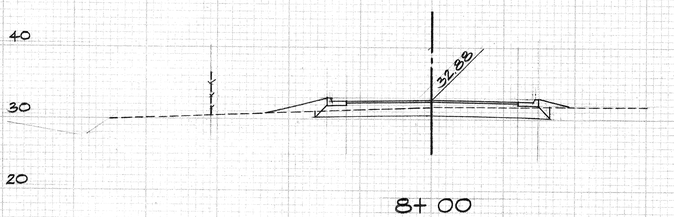
EXC. 72 C.Y.
EMB. 9 C.Y.



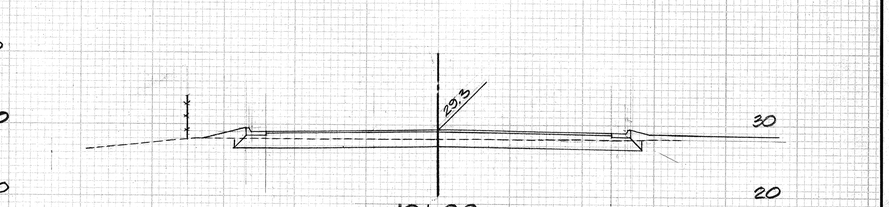
EXC. 149. C.Y.
EMB. 8. C.Y.



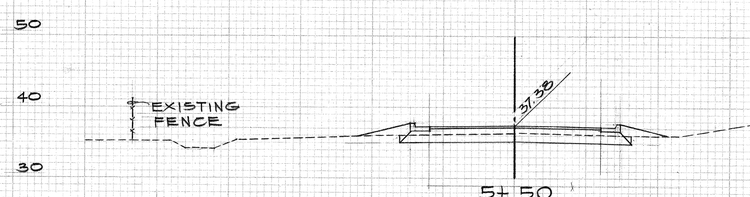
EXC. 76 C.Y.
EMB. 6 C.Y.



EXC. 70 C.Y.
EMB. 11. C.Y.

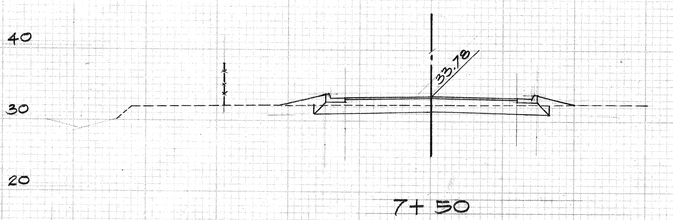


EXC. 138 C.Y.
EMB. 10. C.Y.



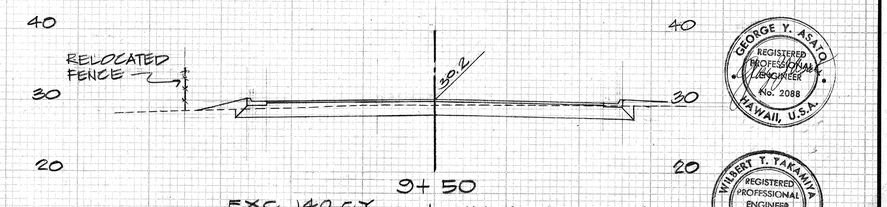
℄ VALKENBURGH STREET

EXC. 61 C.Y.
EMB. 17. C.Y.



℄ VALKENBURGH STREET

EXC. 81 C.Y.
EMB. 10 C.Y.



EXC. 140 C.Y.
EMB. 10 C.Y.

℄ VALKENBURGH STREET

SCALES: HORIZ. 1"=10'
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Wilbert Y. Takamiya
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED
DATE, BY, No., NOTES BOOK