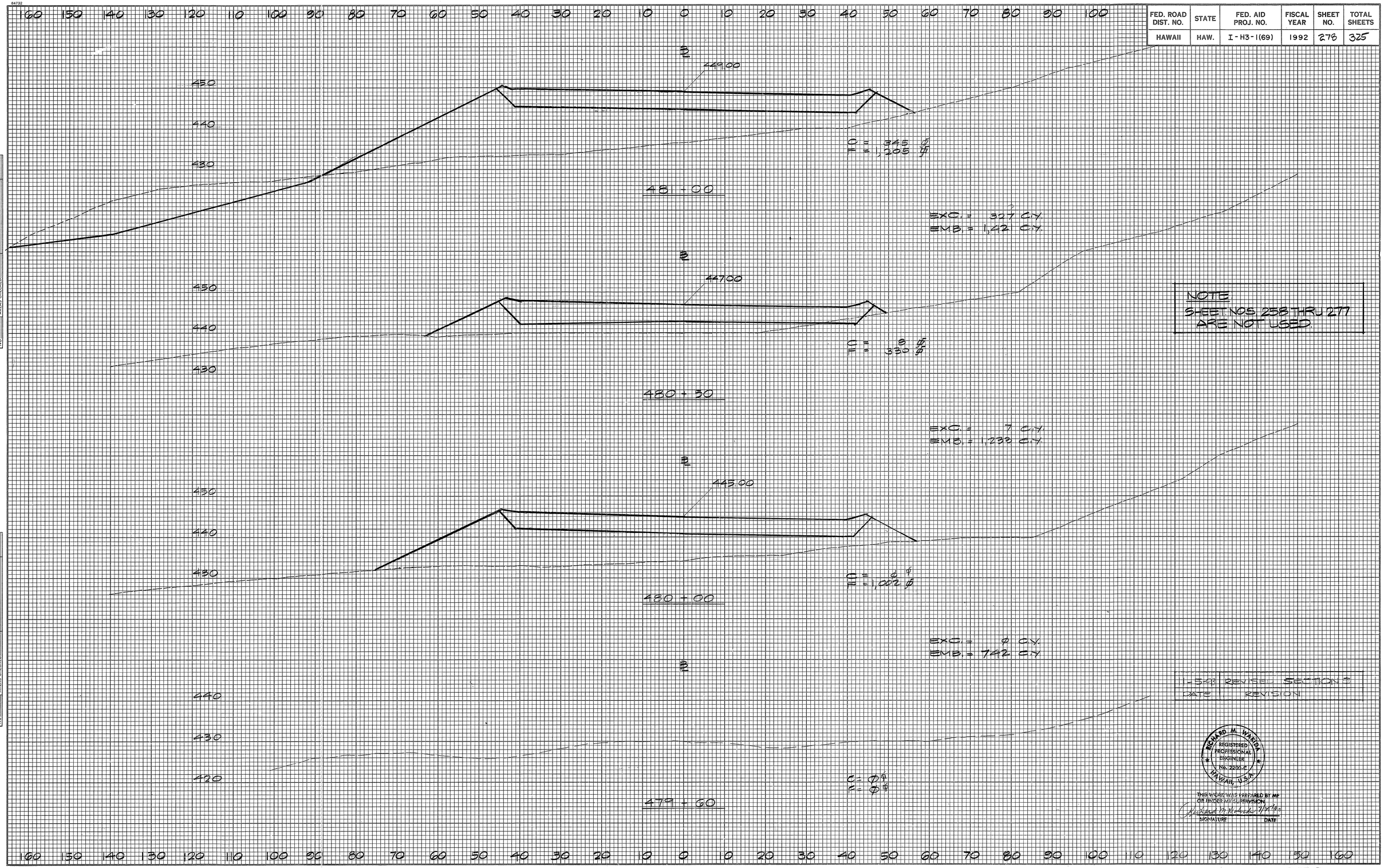
84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 278 | 325 |




NOTE
SHEET NOS 258 THRU 277
ARE NOT USED.

| I-3-1 | REVISED SECTION 3 |
|---|---|
| DATE | REVISION |

RICHARD M. WARD
REGISTERED PROFESSIONAL ENGINEER
No. 2200-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE _____ DATE _____

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

ADD. 278

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 279 | 325 |

| FINAL SURVEY | BY | DATE |
|---|---|---|
| NOTE BOOK | SURVEYED | |
| NO | PLOTTED | |
| | COMPUTED | |
| | TEMPLATE | |
| | AREAS | |
| | AREAS CHECKED | |

| ORIGINAL SURVEY | BY | DATE |
|---|---|---|
| NOTE BOOK | SURVEYED | |
| NO | PLOTTED | |
| | COMPUTED | |
| | TEMPLATE | |
| | AREAS | |
| | AREAS CHECKED | |

60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

℄

455.00

460
450
440
430

C = 1,430 C.Y.
F = 1,050 S.Y.

EXC = 1,375 C.Y.
EMB = 3,130 C.Y.

482+50

℄

453.00

460
450
440
430
420

HEADWALL

C = 55 C.Y.
F = 2,330 S.F.

482+00

EXC. = 51 C.Y.
EMB. = 4,389 C.Y.

℄

451.00

460
450
440
430
420

C = 2,410 S.Y.
F = 2,410 S.F.

481+50

EXC = 319 C.Y.
EMB = 3,347 C.Y.

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

| 11-6-93 | REVISED SECTIONS |
|---|---|
| DATE | REVISION |

RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

ADD. 279

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 280 | 325 |

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — FIELD CHK'T — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — FIELD CHK'T — AREAS — AREAS CHECKED — BY — DATE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

℄

460
450
440

460.00

C = 2 ℄
F = 3104 ℄

484+00

EXC. = 77 C.Y.
EMB. = 5,499 C.Y.

460
450
440

459.00

C = 61 ℄
F = 2755 ℄

483+50

EXC. = 853 C.Y.
EMB. = 3,058 C.Y.

460
450
440

437.00

C = 840 ℄
F = 1,520 ℄

483+00

EXC. = 2,102 C.Y.
EMB. = 1,380 C.Y.

℄

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

| DATE | BY | REVISION |
|---|---|---|
| 11-5-92 | | REVISED SECTIONS |

RICHARD M. WARREN
REGISTERED PROFESSIONAL ENGINEER
No. 2500 C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

DATE

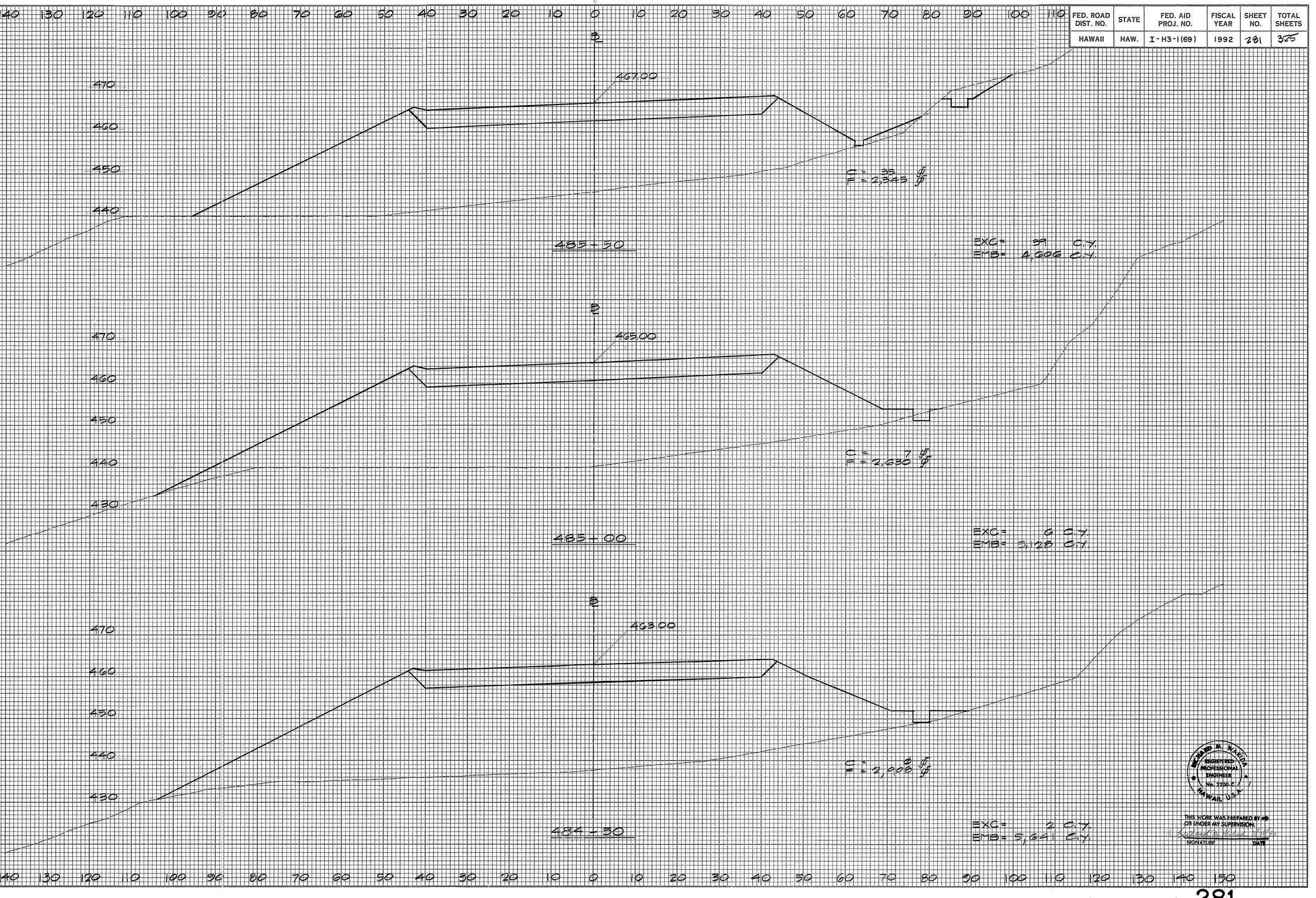
ADD. 280

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 281 | 325 |

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




REGISTERED PROFESSIONAL ENGINEER
No. 2200-E
HAWAII, U.S.A.

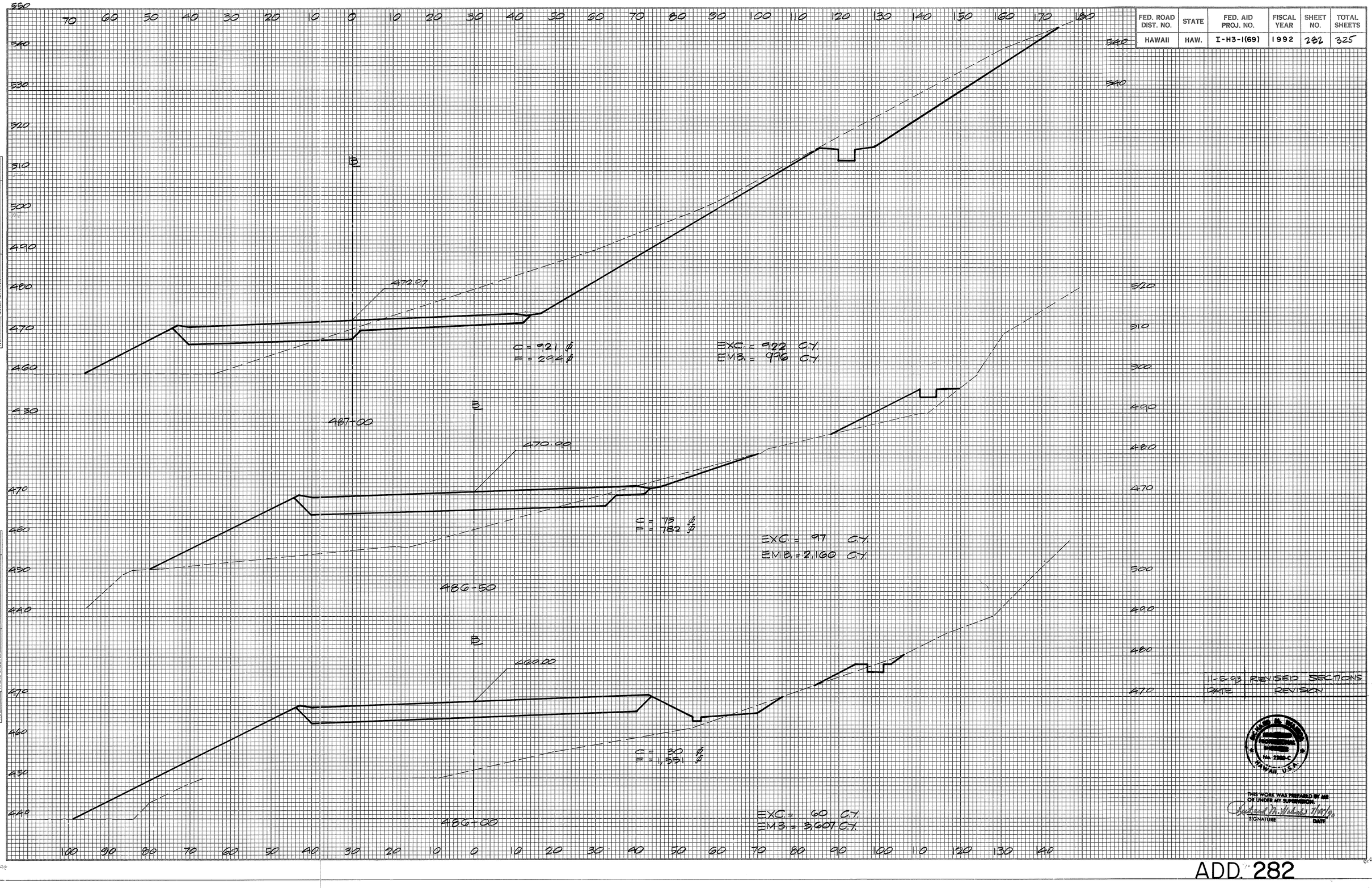
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 282 | 325 |

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

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




| DATE | REVISION |
|---|---|
| 1-6-93 | REVISED SECTIONS |

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

DATE

ADD. 282

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 283 | 325 |

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

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

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

500 490 480 470

℄

478.82

C = 3,337 cy
F = 0 cy

EXC = 6,434 c.y.
EMB = 120 c.y.

4+88+50

500 490 480 470

℄

476.88

C = 3,612 cy
F = 130 cy

EXC = 6,129 c.y.
EMB = 262 c.y.

4+88+00

500 490 480 470

℄

474.93

C = 3,007 cy
F = 133 cy

EXC = 3,637 c.y.
EMB = 214 c.y.

4+87+50

| -5.93 | REVISED SECTIONS |
|---|---|
| DATE | REVISION |

RICHARD M. WARREN
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

ADD. 283

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 284 | 325 |

70 60 50 40 30 20 10 0 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

B

C = 2,280 SF
F = 0 SF

EXC. = 4,741 C.Y.
EMB. = 0 C.Y.

490
480
470

484.34

490+00

B

C = 2,840 SF
F = 0 SF

EXC. = 5,150 C.Y.
EMB. = 80 C.Y.

490
480
470

482.74

480+50

B

C = 2,722 SF
F = 80 SF

EXC. = 5,610 C.Y.
EMB. = 80 C.Y.

490
480
470

480.74

480+00

70 60 50 40 30 20 10 0 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

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

| 11-5-93 | REVISED SECTIONS |
|---|---|
| DATE | REVISION |

RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

ADD. 284

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 285 | 325 |

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

530 520 510 500 490 480 470 460

℄

469.10

ABUTMENT

C = 180 ϕ
= 17

491-25

EXC = 204 C.Y.
EMB = 59 C.Y.

℄

488.27

RET. WALL

C = 2660 ϕ
= 110 ϕ

PERMEABLE BASE.

8" PERFORATED PIPE.

491-00

EXC = 1,455 C.Y.
EMB = 102 C.Y.

℄

486.49

C = 1,311 ϕ
= ϕ

490-50

EXC = 3,325 C.Y.
EMB = 9 C.Y.

| | |
|---|---|
| 11-5-93 | REVISED SECTIONS |
| DATE | REVISION |

RICHARD M. WATERS
REGISTERED PROFESSIONAL ENGINEER
No. 3200-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

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

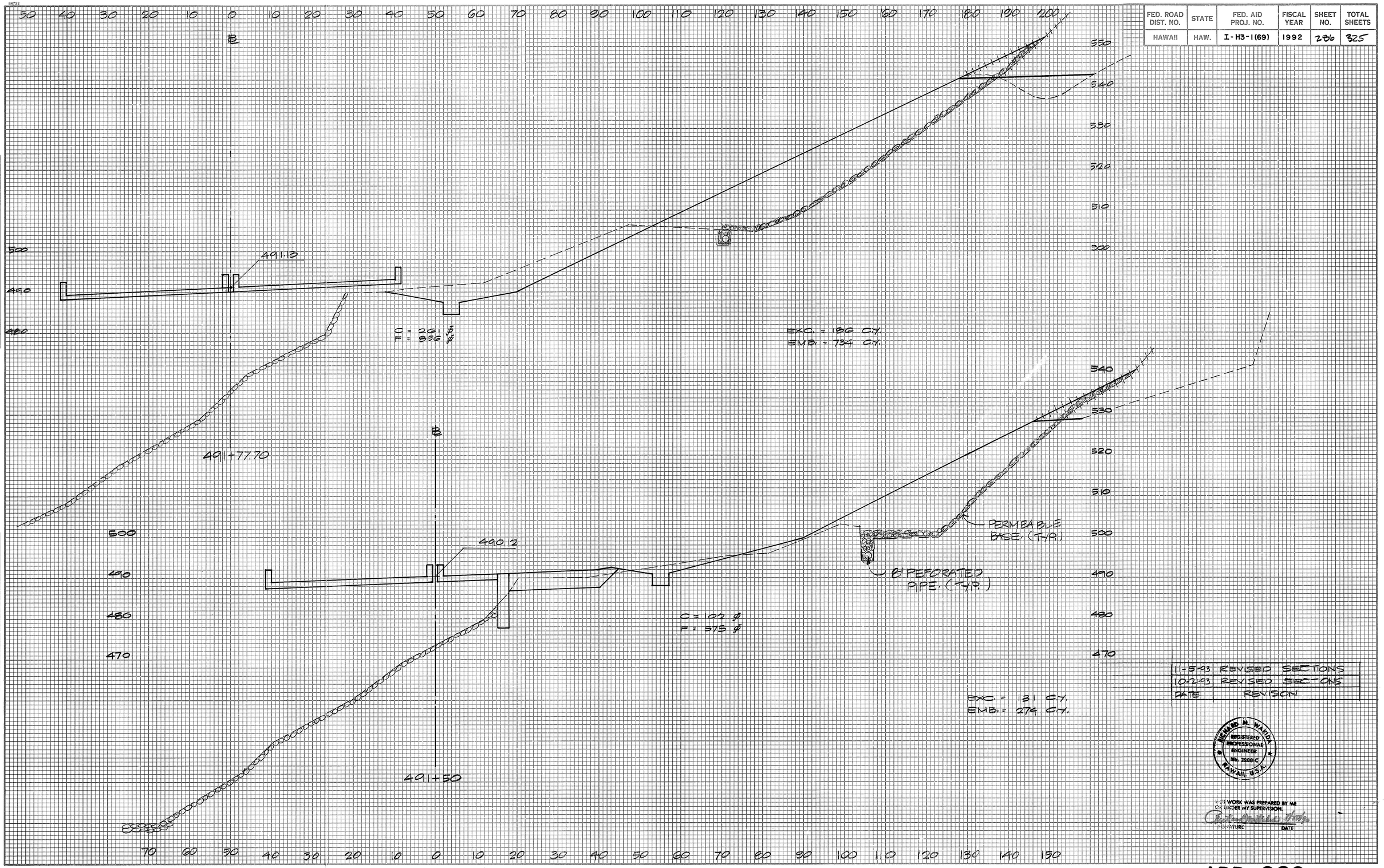
| ORIGINAL SURVEY | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| NOTE BOOK | | |
| AREAS | | |
| NO. AREAS CHECKED | | |

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 286 | 325 |

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

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




| DATE | REVISION |
|---|---|
| 11-5-93 | REVISED SECTIONS |
| 10-2-93 | REVISED SECTIONS |

RICHARD M. WARDA
REGISTERED PROFESSIONAL ENGINEER
No. 2020-C
HAWAII, U.S.A.

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

SIGNATURE _____ DATE _____

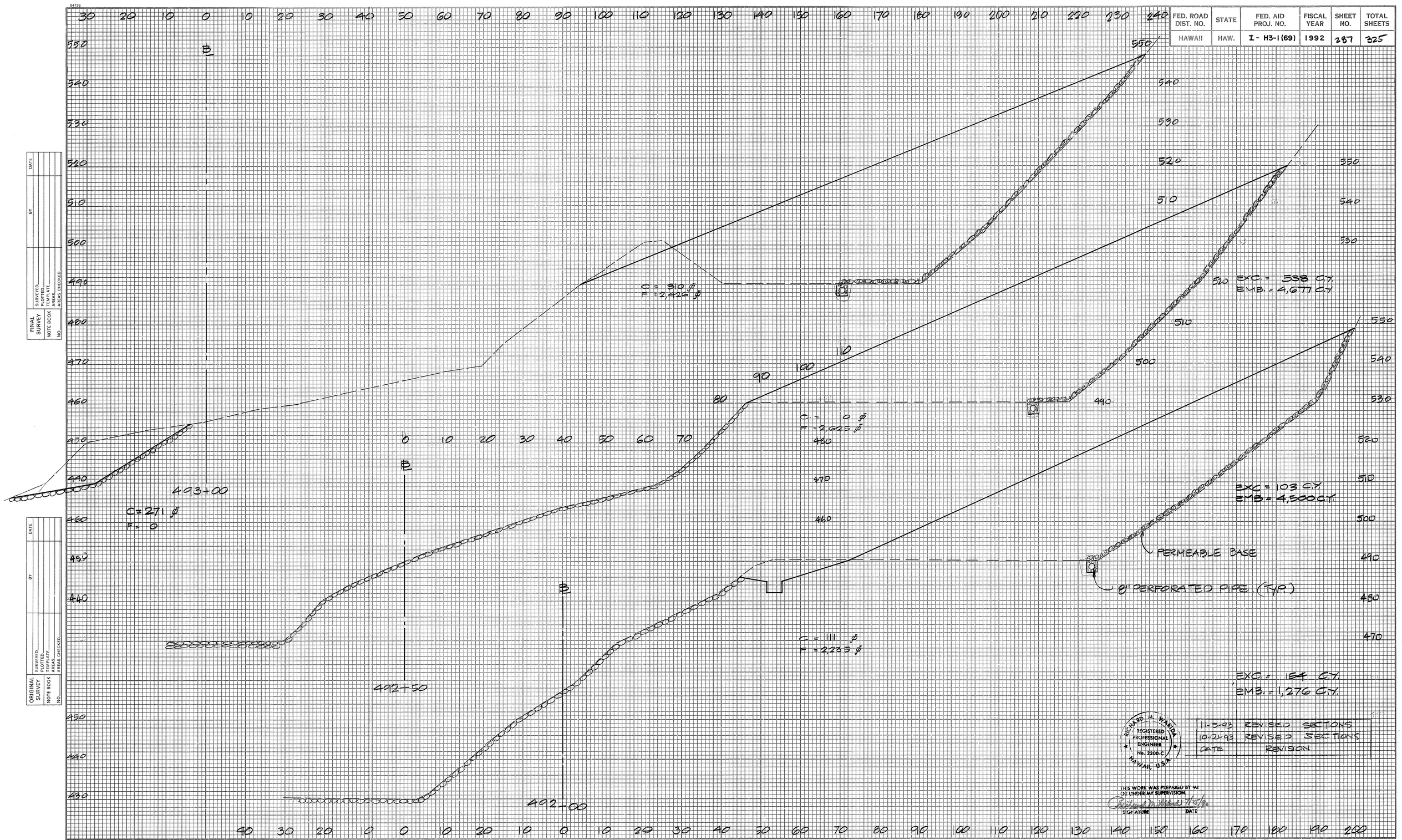
ADD. 286

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I- H3-1(69) | 1992 | 287 | 325 |

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

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




| DATES | REVISION |
|---|---|
| 10-21-93 | REVISED SECTIONS |
| 11-5-93 | REVISED SECTIONS |

RICHARD H. WANDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

ADD. 287

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 288 | 325 |

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

B

C = 0 ℄
F = 4,535 ℄

404+50

C = 0 ℄
F = 4,245 ℄

B1

404+00

493+50

C = 0 ℄
F = 4,170 ℄

PERMEABLE BASE

6" PERFORATED PIPE. (TYP.)

EXC. = 0 C.Y.
EMB. = 7,944 C.Y.

EXC. = 0 C.Y.
EMB. = 7,792 C.Y.

EXC = 538 C.Y.
EMB = 6,107 C.Y.

| 11-5-93 | REVISED SECTIONS |
|---|---|
| DATE | REVISION |

RICHARD M. WARNER
REGISTERED PROFESSIONAL ENGINEER
No. 8000-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Richard M. Warner 11/17/93
SIGNATURE DATE

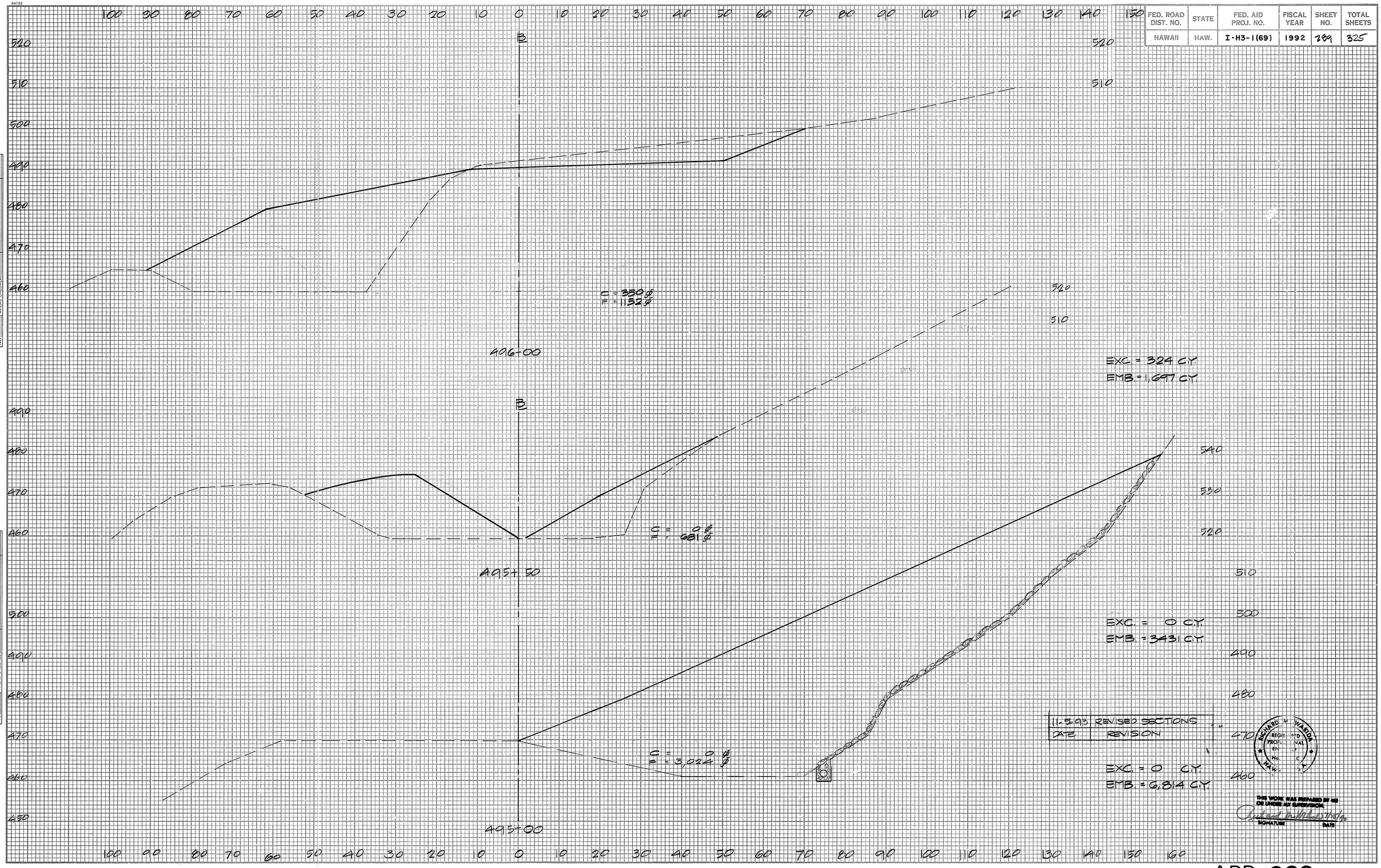
ADD. 288

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 289 | 325 |

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

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



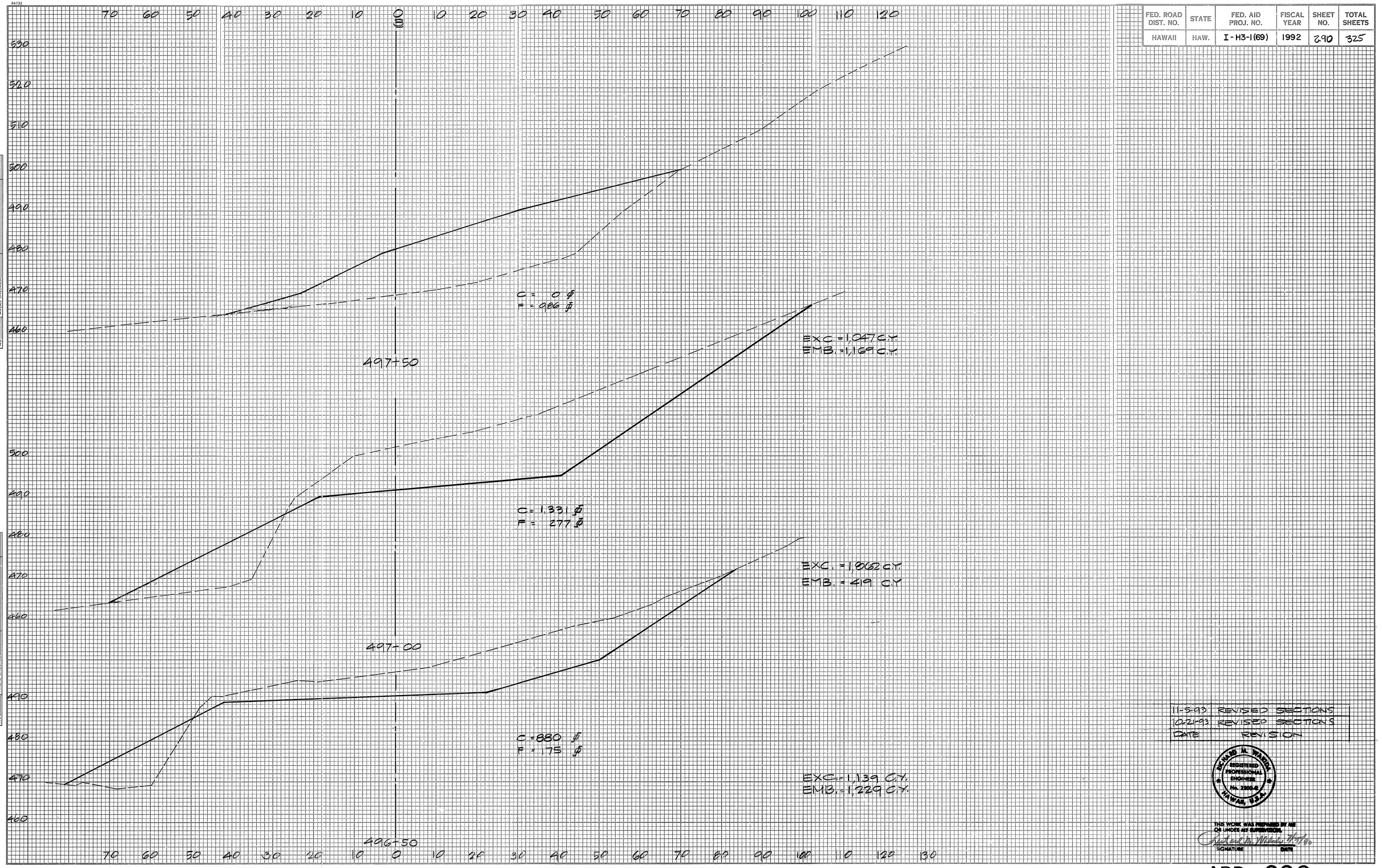

ADD. 289

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 290 | 325 |

| FINAL SURVEY | DATE | BY |
|---|---|---|
| NOTE BOOK | SURVEYED | |
| NO. | PLOTTED | |
| | FIELD CHK. | |
| | AREAS | |
| | AREAS CHECKED | |

| ORIGINAL SURVEY | DATE | BY |
|---|---|---|
| NOTE BOOK | SURVEYED | |
| NO. | PLOTTED | |
| | FIELD CHK. | |
| | AREAS | |
| | AREAS CHECKED | |




| DATE | REVISION |
|---|---|
| 11-5-93 | REVISED SECTIONS |
| 10-21-93 | REVISED SECTIONS |

RICHARD M. WARREN
REGISTERED PROFESSIONAL ENGINEER
No. 2206-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

DATE

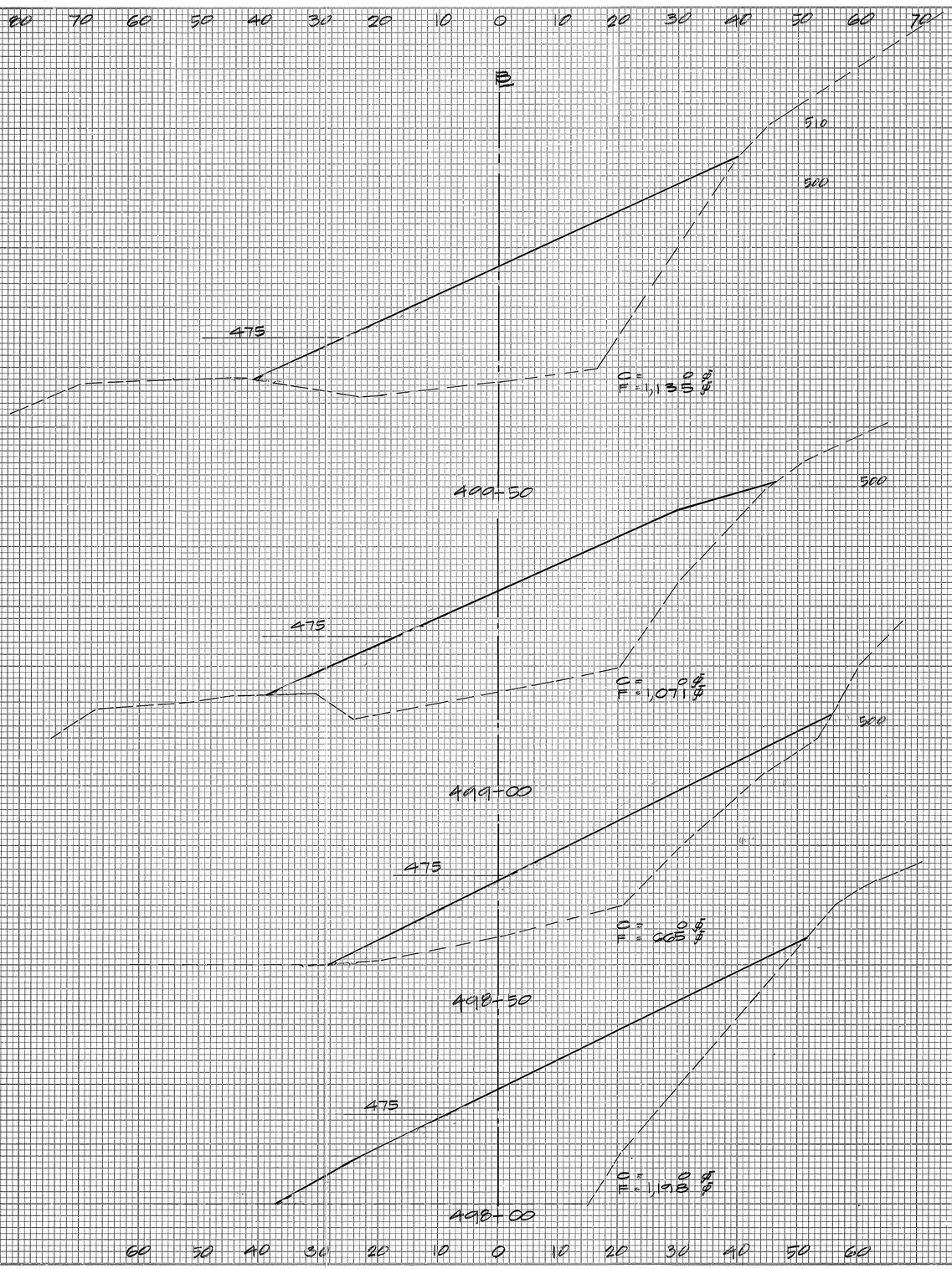
ADD. 290

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 291 | 325 |

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

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




EXC. = 0 C.Y.
EMB. = 2,043 C.Y.

EXC. = 0 C.Y.
EMB. = 1,607 C.Y.

EXC. = 0 C.Y.
EMB. = 1,725 C.Y.

EXC. = 0 C.Y.
EMB. = 2,022 C.Y.

RICHARD M. WARIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

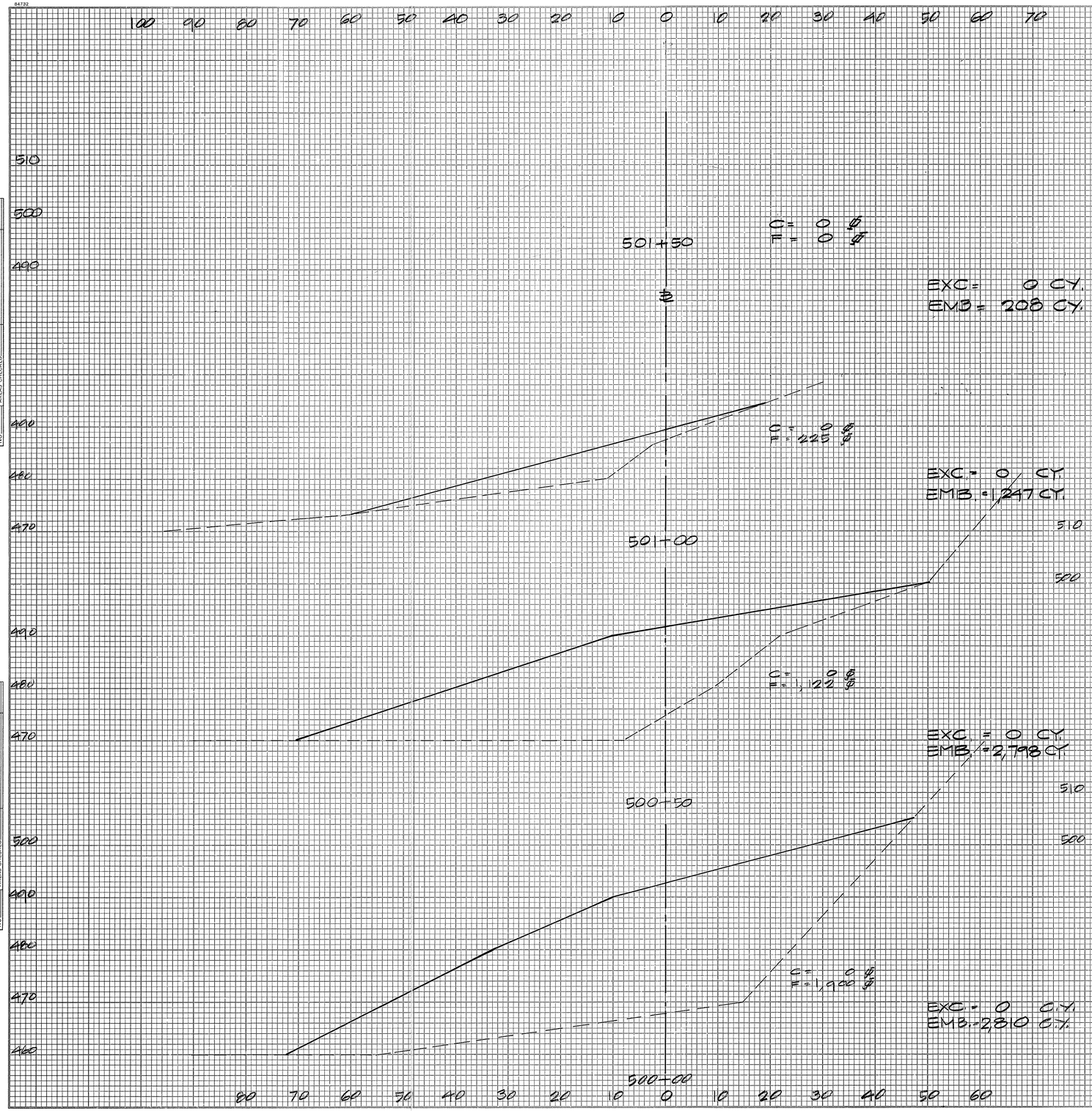
SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 292 | 325 |

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

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




SUBTOTAL EXC. = 48944 CY.
SUBTOTAL EMB. = 111,877 CY.

| 11-5-93 | REVISED SECTIONS |
|---|---|
| DATE | REVISION |

RICHARD M. WARD
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE DATE

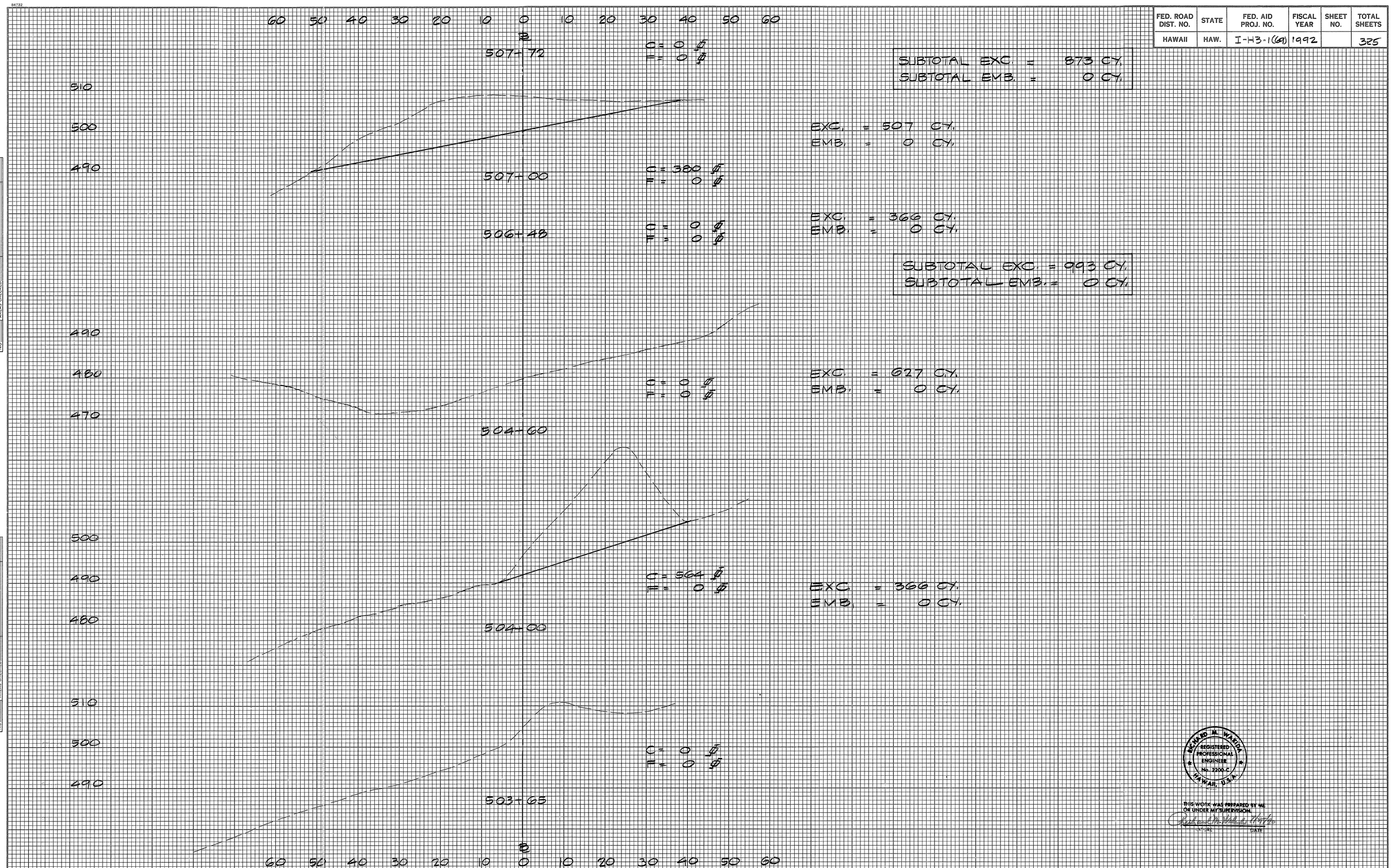
ADD. 292A

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(60) | 1992 | | 325 |

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

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




SUBTOTAL EXC. = 873 CY.
SUBTOTAL EMB. = 0 CY.

EXC. = 507 CY.
EMB. = 0 CY.

EXC. = 366 CY.
EMB. = 0 CY.

SUBTOTAL EXC. = 993 CY.
SUBTOTAL EMB. = 0 CY.

EXC. = 627 CY.
EMB. = 0 CY.

EXC = 306 CY.
EMB = 0 CY.

RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

ADD. 292B

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 293 | 325 |

130 120 110 100 90 80 70 60 50 40 30 20 10 0 0 20 30 40 50 60 70 80 90 100 110 120

570
560
550
540

552.40

℄

EXC= 2,648 C.Y.
EMB= 1,466 C.Y.

C= 1,907 S.F.
F= 715 S.F.

510+00

550

540

530

550.75

℄

C= 953 S.F.
F= 668 S.F.

509+50

EXC= 306 C.Y.
EMB= 328 C.Y.

560
550
540
530

550.39

℄

C= 558 S.F.
F= 748 S.F.

509+39

EXC= 304 C.Y.
EMB= 1,345 C.Y.

560
550
540
530

549.13

℄

C= 0 S.F.
F=1,156 S.F.

509+01

EXC= 0 C.Y.
EMB= 2,379 C.Y.

C= 0 S.F.
F= 0 S.F.

507+90

130 120 110 100 90 80 70 60 50 40 30 20 10 0 0 20 30 40 50 60 70 80 90 100 10 120 130 140 150

FINAL SURVEY
SURVEYED
PLOTTED
TYPED
NOTE BOOK
AREAS
NO
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
SURVEYED
PLOTTED
TYPED
NOTE BOOK
AREAS
NO
AREAS CHECKED
BY
DATE

RICHARD M. WANDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

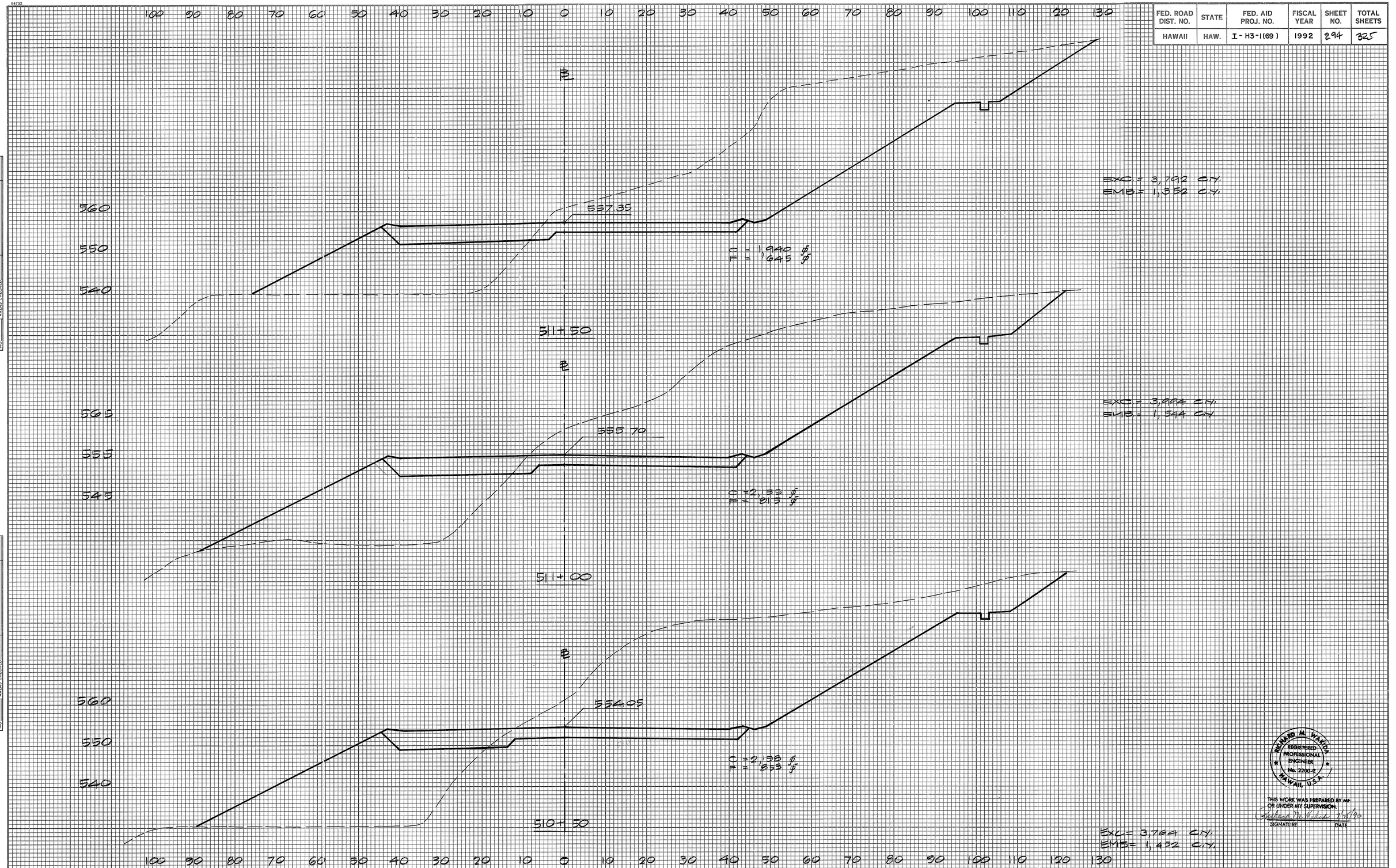
DATE

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 294 | 325 |

84732

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




RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-E
HAWAII, U.S.A.

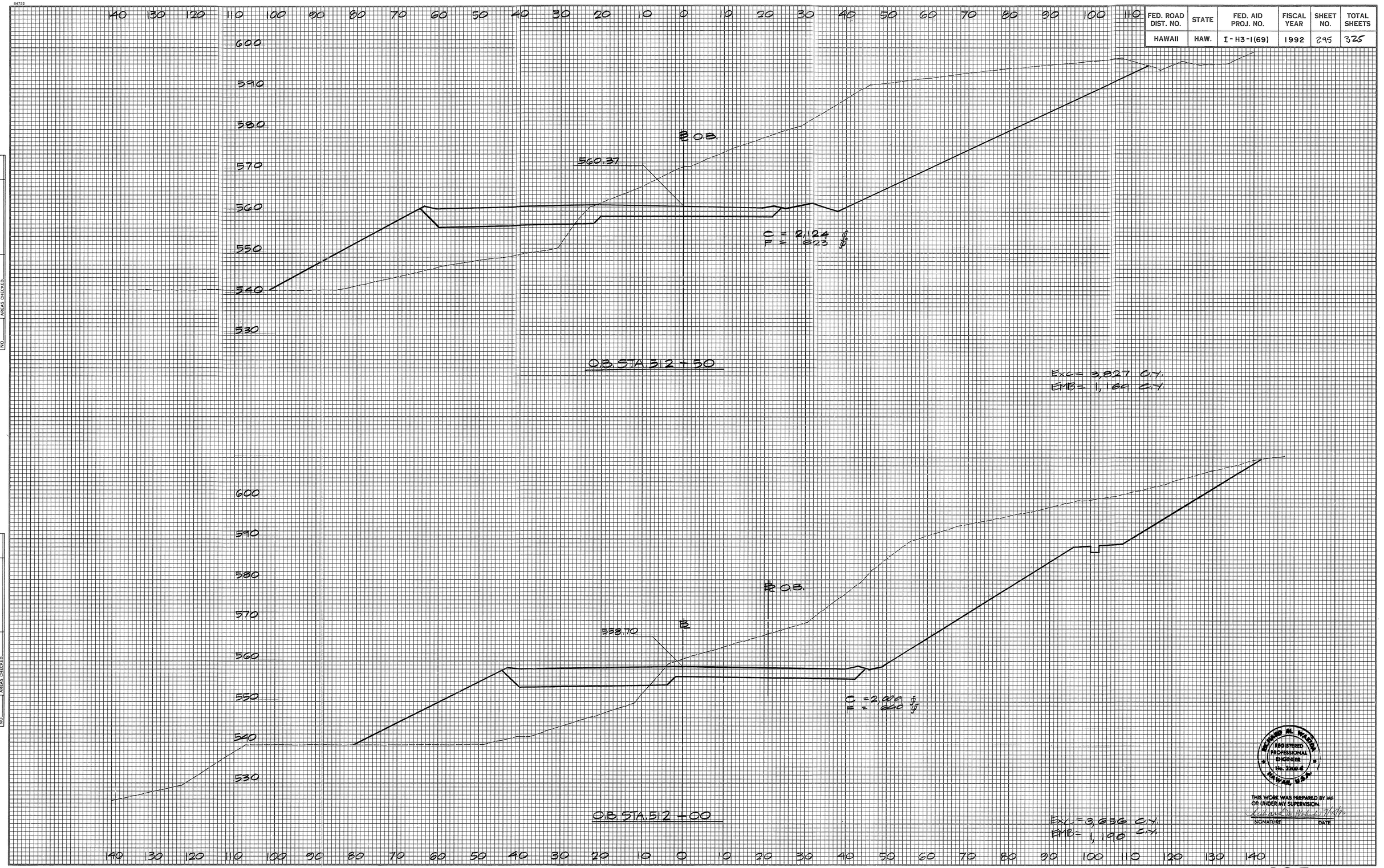
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 295 | 325 |

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

RICHARD M. WHITE
REGISTERED PROFESSIONAL ENGINEER
No. 2208-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

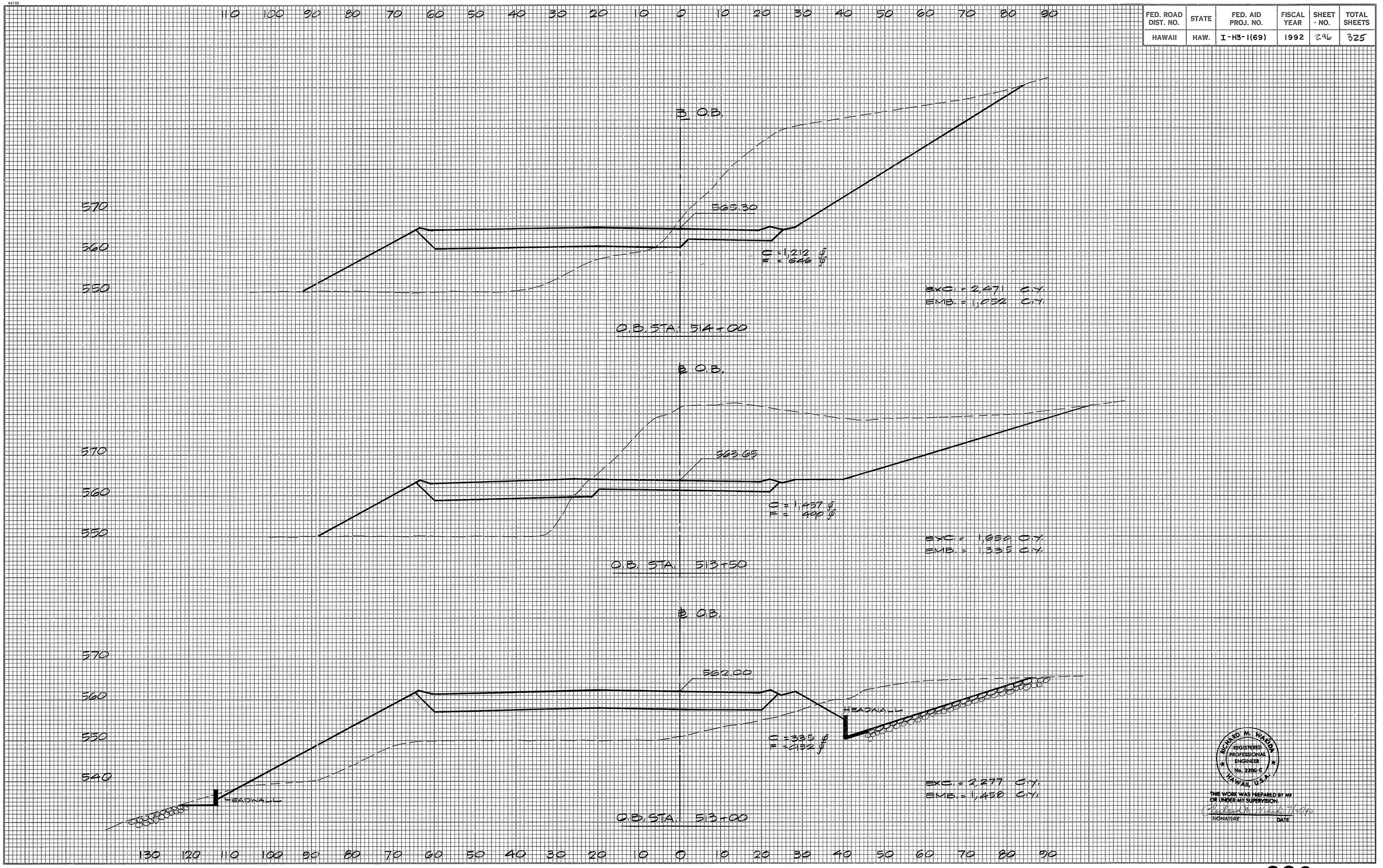
SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 296 | 325 |

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




RICHARD M. WARD
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

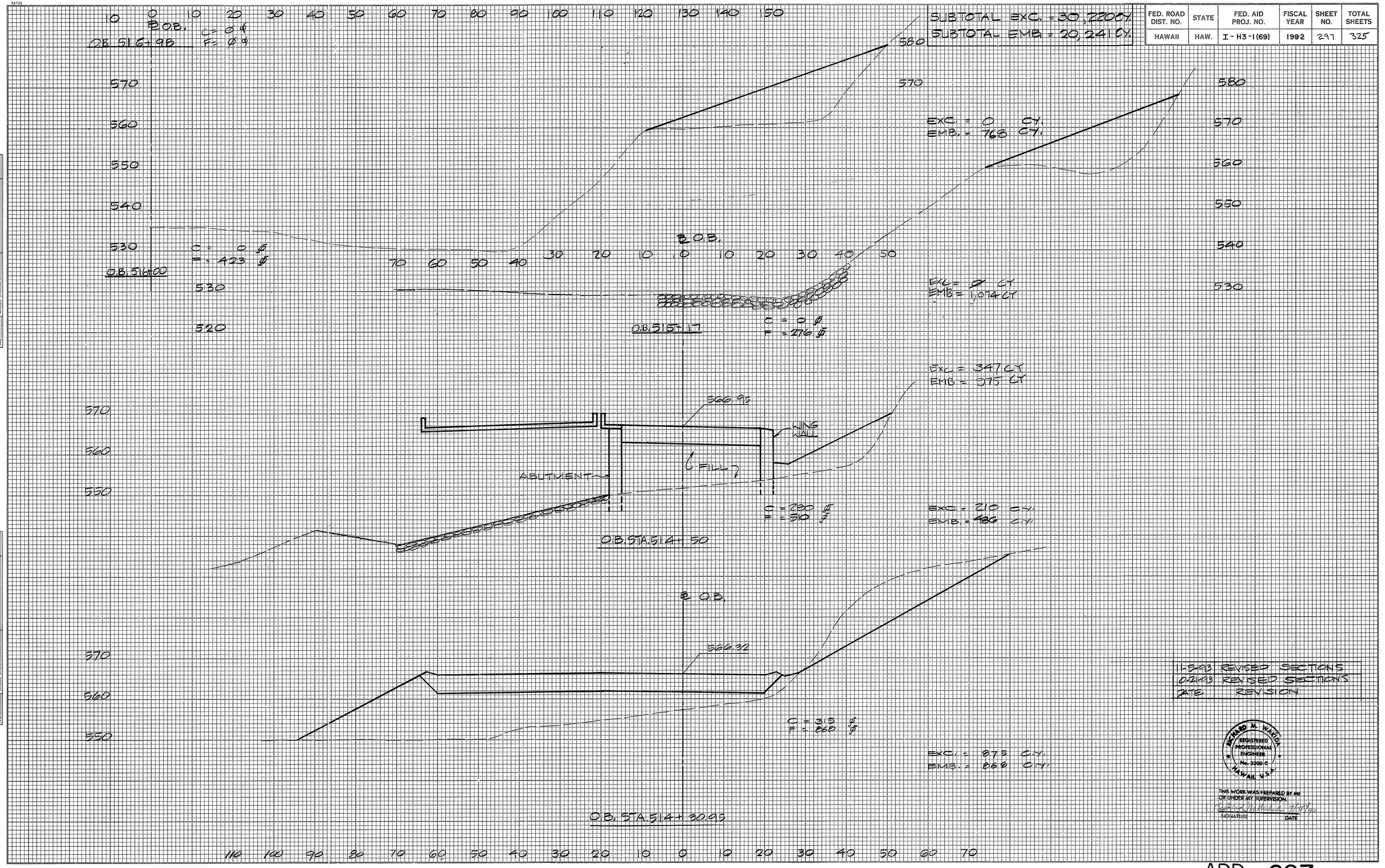
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I - H3 - 1(69) | 1992 | 297 | 325 |

SUBTOTAL EXC. = 30,220 C.Y.
SUBTOTAL EMB. = 20,241 C.Y.




| | | |
|---|---|---|
| 1-5-93 | REVISED SECTIONS | |
| 0-21-93 | REVISED SECTIONS | |
| DATE | REVISION | |

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

RICHARD M. WARDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200 C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE — DATE

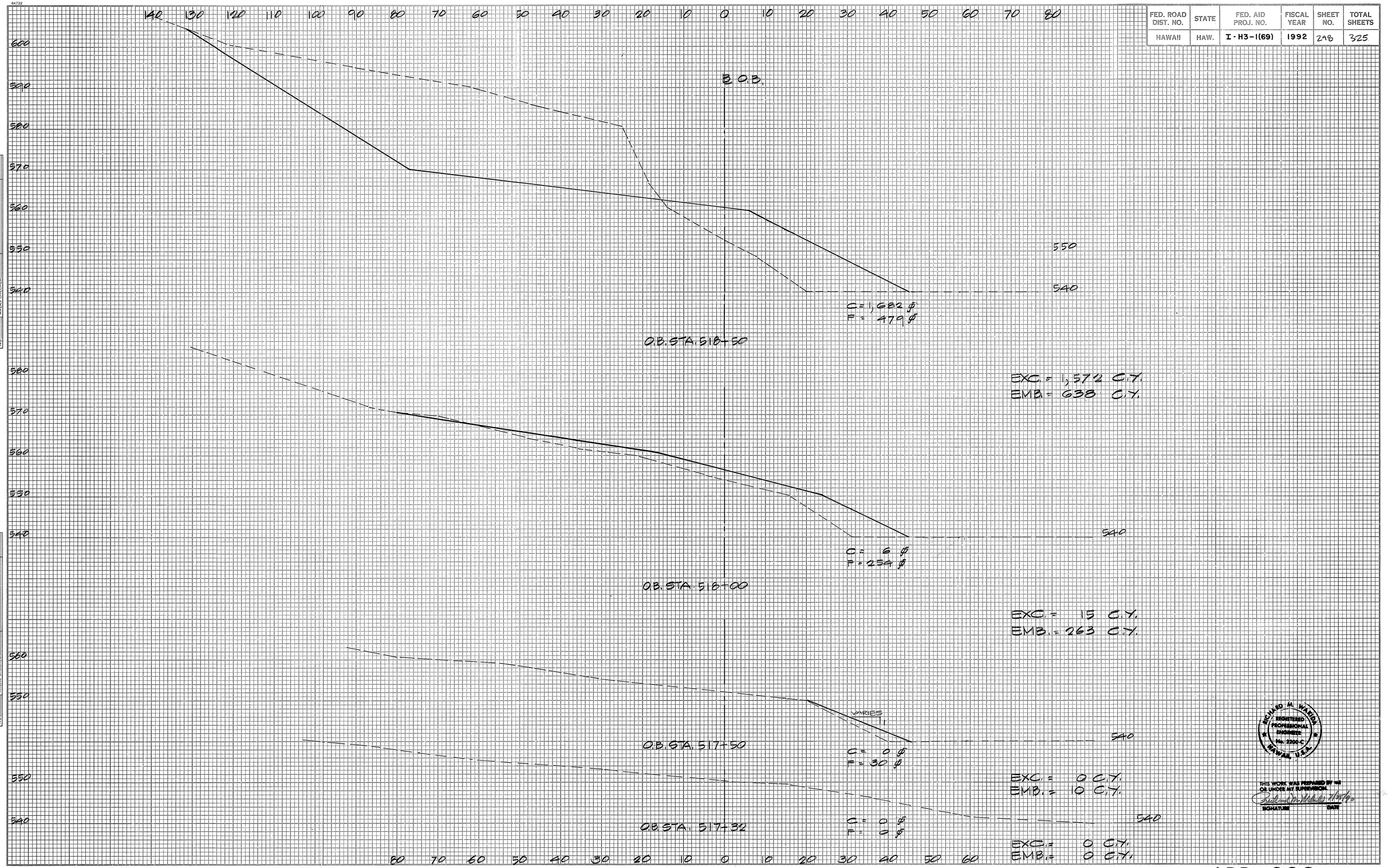
ADD. 297

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 298 | 325 |

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

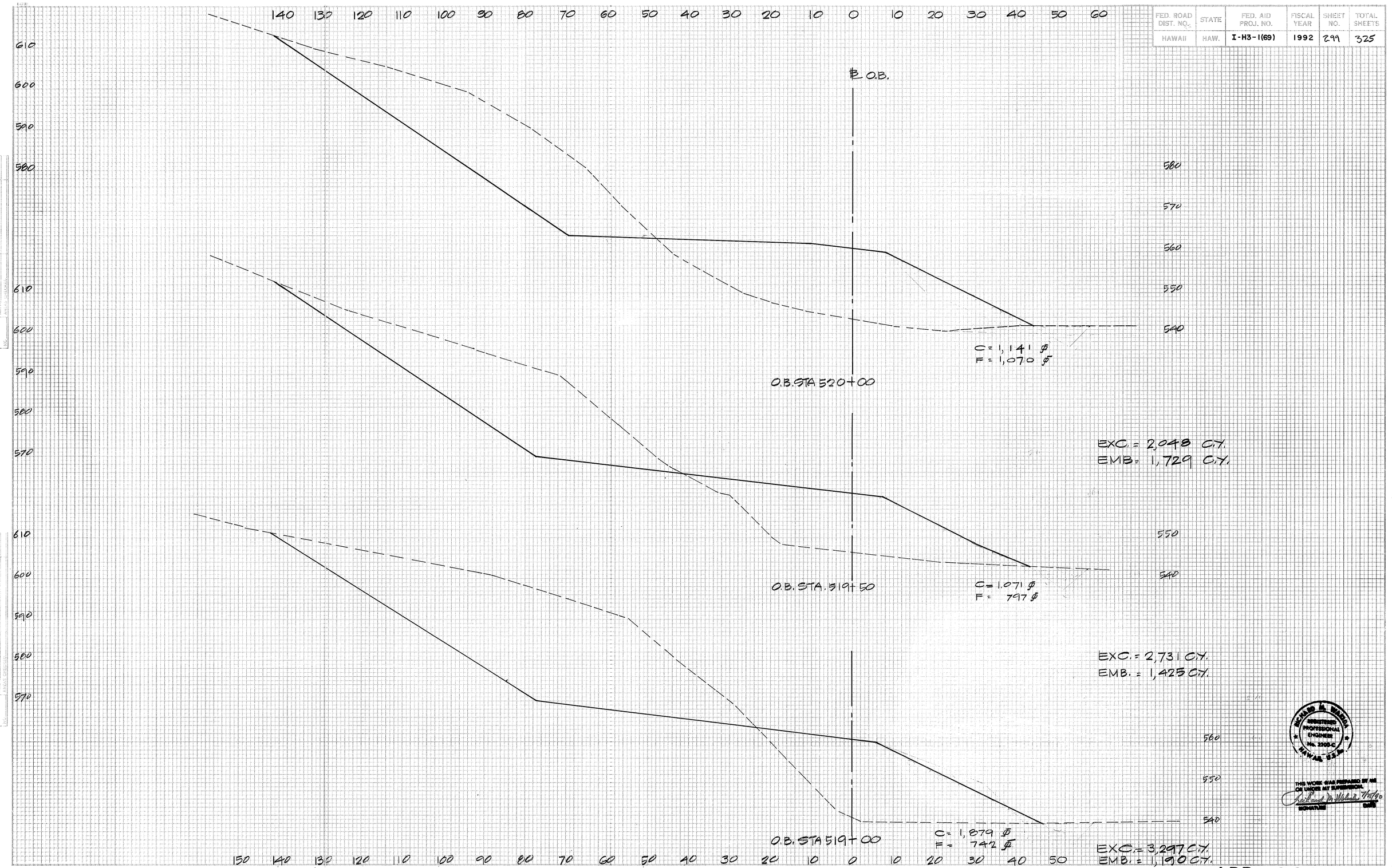



RICHARD M. WARDA
REGISTERED PROFESSIONAL ENGINEER
No. 2206-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE — DATE

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 299 | 325 |

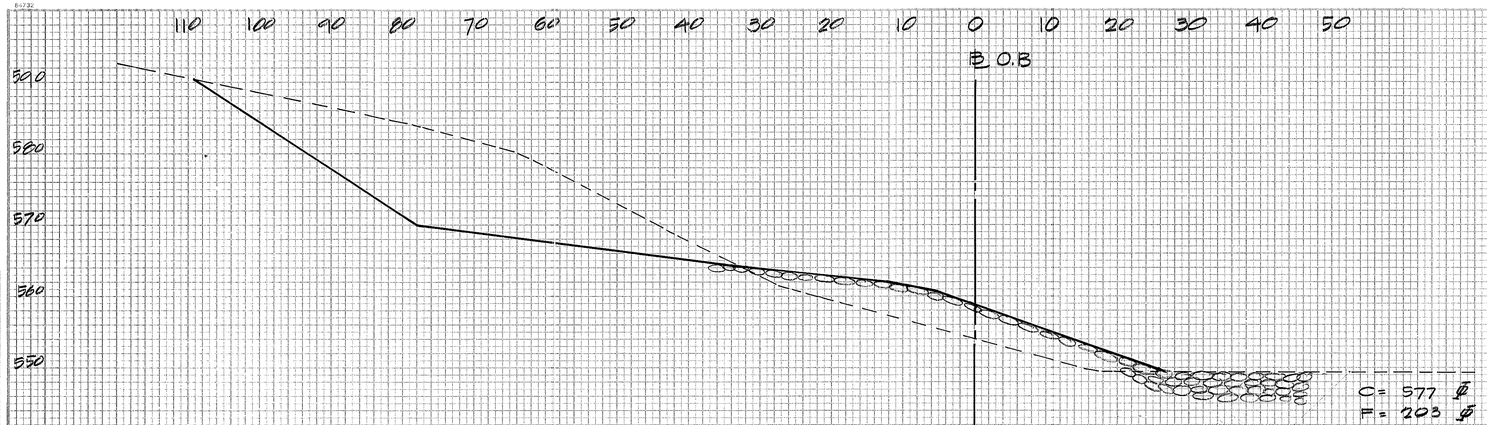



RICHARD M. WARREN
REGISTERED PROFESSIONAL ENGINEER
No. 2308-C
HAWAII, U.S.A.

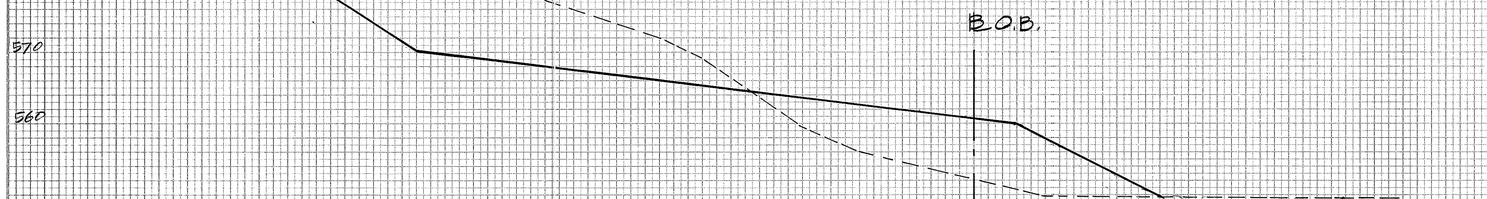
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE
DATE

ADD. 299

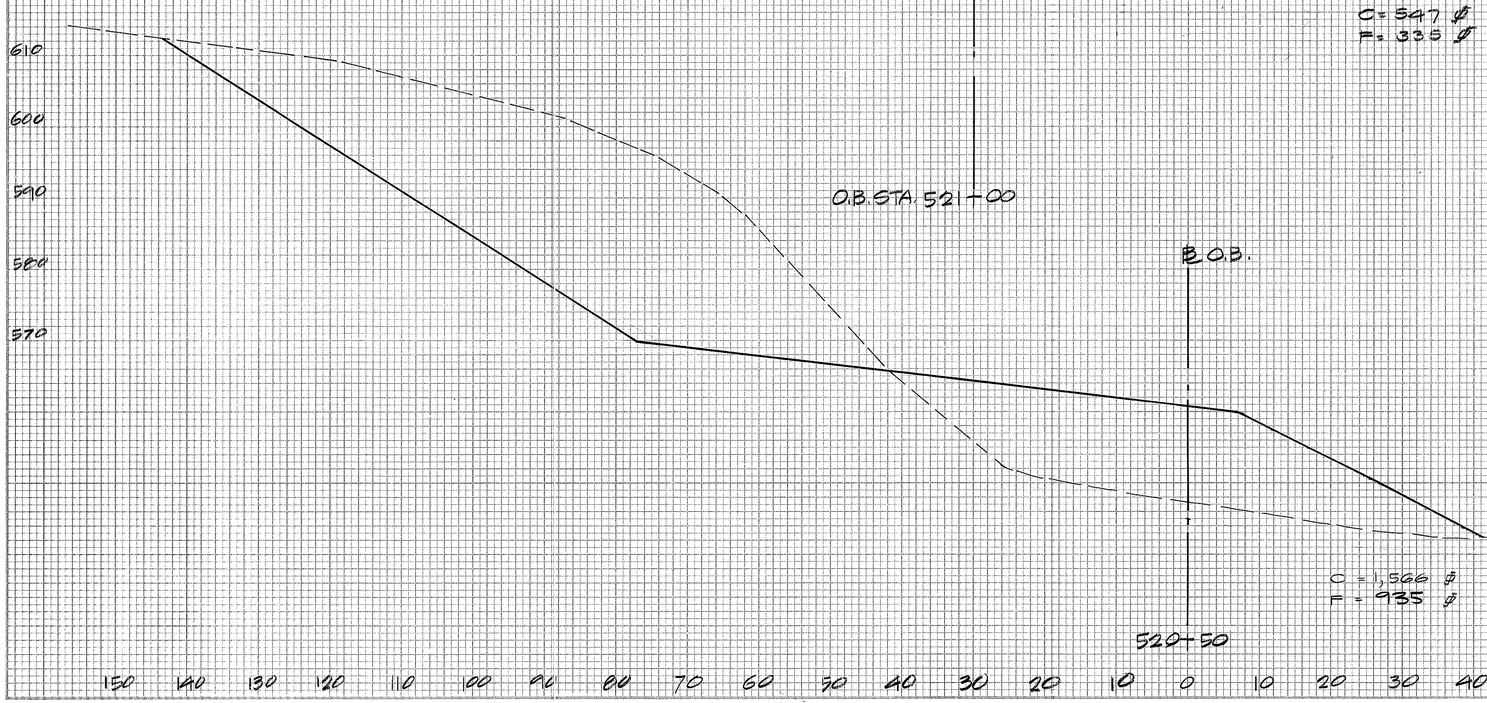
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 300 | 325 |




EXC. = 1,041 CY.
EMB. = 498 CY.




EXC. = 1,956 CY.
EMB. = 1,132 CY.




EXC. = 2,507 CY.
EMB. = 1,813 CY.

RICHARD M. WARDEN
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Richard M. Warden May 10.
SIGNATURE DATE

ADD. 300

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, INK, DATE
FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, INKED, AREAS CHECKED, DATE

64732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 301 | 325 |

SUBTOTAL EXC.= 17,024 C.Y.
SUBTOTAL EMB.= 8,886 C.Y.

120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40

560
550
580
570
560
550
540

E.O.B.

C = Ø
F = Ø

O.B. STA. 522+44

EXC.= 619 C.Y.
EMB.= 0 C.Y.

C= 760 Ø
F= 0 Ø

O.B. STA. 512+00

EXC.= 1,238 C.Y.
EMB.= 100 C.Y.

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

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

RICHARD M. WARDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE DATE 7/17/90

ADD. 301

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 302 | 325 |

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

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

60 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

O.B. ℄

630
620
610
600
590

601.60

C = 900 C.Y.
F = 900 C.Y.

EXC. = 1,194 C.Y.
EMB. = 0 C.Y.

O.B. STA. 525+00

O.B. ℄

600
590
580

569.95

C = 391 C.Y.
F = 0 C.Y.

EXC. = 68 C.Y.
EMB. = 71 C.Y.

O.B. STA. 524+50

O.B. ℄

600
590
580

569.26

C = 65 C.Y.
F = 385 C.Y.

EXC. = 96 C.Y.
EMB. = 570 C.Y.

O.B. STA. 524+40

O.B. STA. 523+60

C = 0 C.Y.
F = 0 C.Y.

60 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

RICHARD M. WATTS
REGISTERED PROFESSIONAL ENGINEER
No. 2200-E
HAWAII, U.S.A.

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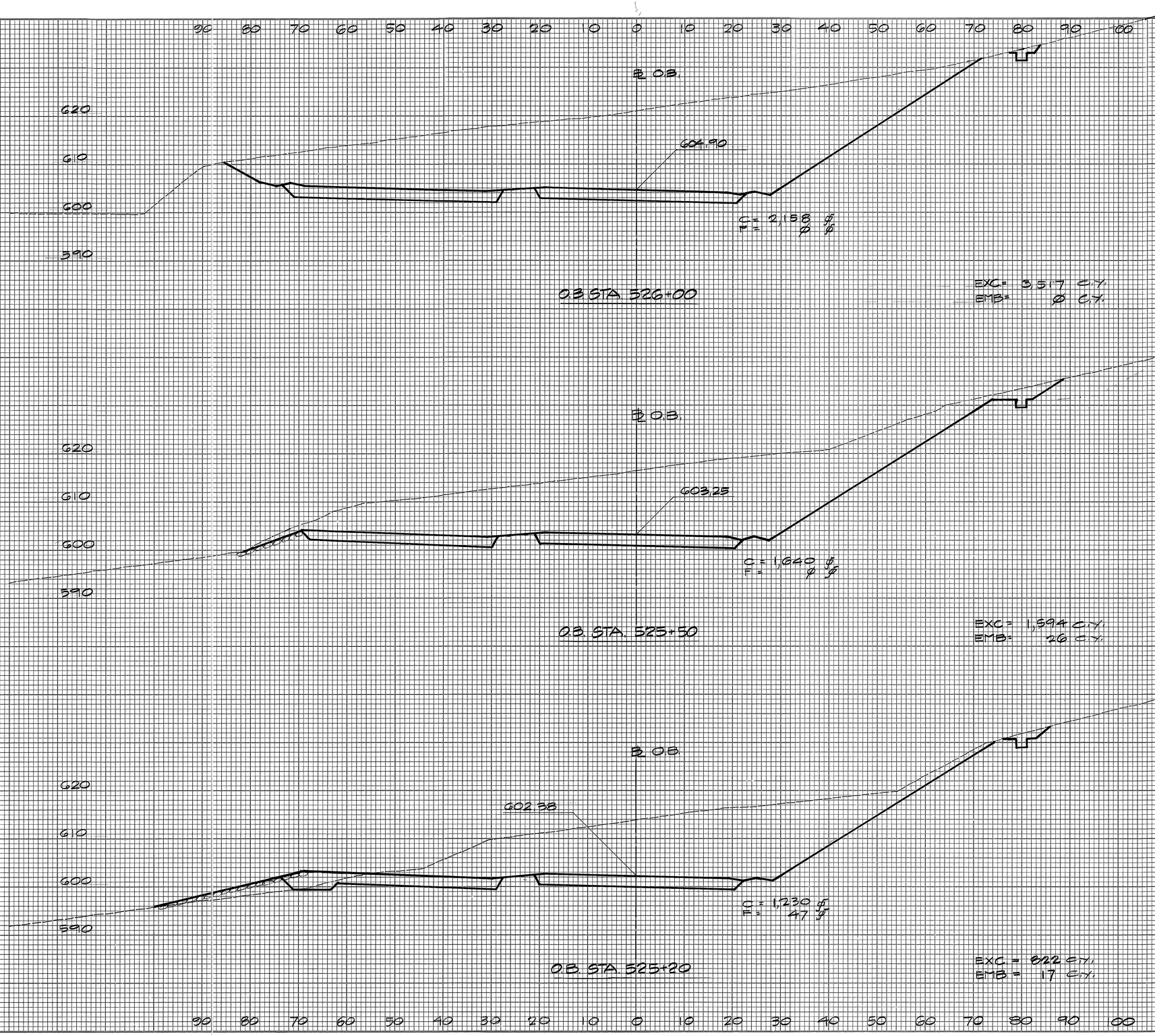
SIGNATURE — DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 303 | 325 |

| FINAL SURVEY | | BY | DATE |
|---|---|---|---|
| | SURVEYED | | |
| | PLOTTED | | |
| NOTE BOOK | FIELD CHK'T | | |
| | AREAS | | |
| NO. | AREAS CHECKED | | |

| ORIGINAL SURVEY | | BY | DATE |
|---|---|---|---|
| | SURVEYED | | |
| | PLOTTED | | |
| NOTE BOOK | FIELD CHK'T | | |
| | AREAS | | |
| NO. | AREAS CHECKED | | |




RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 304 | 325 |

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

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

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

660 650 640 630 620 610 600 590

B.OB.

609.09

C = 3,771 C.Y.
F = 0 C.Y.

EXC. = 6,239 C.Y.
EMB. = 0 C.Y.

OB STA. 527+50

OBB

608.25

C = 2,967 C.Y.
F = 0 C.Y.

EXC. = 5,252 C.Y.
EMB. = 0 C.Y.

OB STA. 527+00

OB.B

606.55

C = 2,705 C.Y.
F = 0 C.Y.

EXC. = 4,503 C.Y.
EMB. = 0 C.Y.

OB STA. 526+50

RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

304

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 305 | 325 |

| FINAL SURVEY | | BY | DATE |
|---|---|---|---|
| NOTE BOOK | SURVEYED | | |
| NO. | PLOTTED | | |
| | FORMAT | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| ORIGINAL SURVEY | | BY | DATE |
|---|---|---|---|
| NOTE BOOK | SURVEYED | | |
| | PLOTTED | | |
| | FORMAT | | |
| NO. | AREAS | | |
| | AREAS CHECKED | | |

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

O.B. ℄

630
640
600
610
620

@ 5.57

C = 3,793 ℄
F = 4 ℄

EXC.= 10,410 C.Y.
EMB.= 0 C.Y.

O.B. STA. 520+00

O.B. ℄

640
630
610
620

@ 13.66

C = 7,460 ℄
F = 4 ℄

EXC.= 11,068 C.Y.
EMB.= 0 C.Y.

O.B. STA. 520+50

O.B. ℄

630
610
620

@ 11.00

C = 4,403 ℄
F = 4 ℄

EXC.= 7,652 C.Y.
EMB.= 0 C.Y.

O.B. STA. 521+00

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

600
660
680
670

RICHARD M. WARDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 306 | 325 |

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

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

O.B. ℄

℄ ACCESS ROAD "D"

640
630
620
610

622.66

C = 1,469 C.Y.
F = 0 C.Y.

EXC. = 3,292 C.Y.
EMB. = 0 C.Y.

O.B. STA. 530+50

650
640
630
620
610

O.B. ℄

℄ ACCESS ROAD "D"

619.57

C = 2,086 C.Y.
F = 0 C.Y.

EXC. = 4,756 C.Y.
EMB. = 0 C.Y.

O.B. STA. 530+00

650
640
630
620
610

O.B. ℄

℄ ACCESS ROAD "D"

617.55

C = 3,080 C.Y.
F = 0 C.Y.

EXC. = 6,336 C.Y.
EMB. = 0 C.Y.

O.B. STA. 529+50

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

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

RICHARD M. WARD
REGISTERED PROFESSIONAL ENGINEER
No. 2200-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 307 | 325 |

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

120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

650
640
630
620
610
600

O.B. ℄

℄ ACCESS ROAD "D"

628.25

C = 144 S.Y.
F = 311 S.Y.

O.B. STA. 532+00

EXC = 532 C.Y.
EMB = 376 C.Y.

650
640
630
620
610

O.B. ℄

℄ ACCESS ROAD "D"

626.00

C = 43 S.Y.
F = 65 S.Y.

O.B. STA. 531+50

EXC = 1,456 C.Y.
EMB = 68 C.Y.

650
640
630
620
610

O.B. ℄

℄ ACCESS ROAD "D"

623.80

C = 114 S.Y.
F = 0 S.Y.

O.B. STA. 531+00

EXC = 2,417 C.Y.
EMB = 0 C.Y.

120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

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

RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 7200-E
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

DATE

84722

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 308 | 325 |

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

℄ ACCESS ROAD TO BE CONSTRUCTED UNDER FA.I. PROJECT I-H3-1(71)

FINISH GRADE TO BE CONSTRUCTED UNDER F.A.I. PROJECT I-H3-1(71))

ORIGINAL EXIST. GROUND

RETAINING WALL "A"

EXIST. GROUND

℄ O.B. 635.35

C = 22 ℓ.f.
F = 685 ℓ.f.

640 630 620 610 600

O.B. STA. 533+50

EXC = 63 C.Y.
EMB = 1,023 C.Y.

℄ O.B. 632.93

RETAINING WALL "A"

C = 46 ℓ.f.
F = 420 ℓ.f.

640 630 620 610 600

O.B. STA. 533+00

EXC = 188 C.Y.
EMB = 1,343 C.Y.

℄ O.B. 630.56

CULVERT 3 INLET STRUCTURE

C = 157 ℓ.f.
F = 1,030 ℓ.f.

640 630 620 610 600 590

O.B. STA. 532+50

EXC = 279 C.Y.
EMB = 1,242 C.Y.

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

RICHARD M. WARD
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE — DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 309 | 325 |

| FINAL SURVEY | | BY | DATE |
|---|---|---|---|
| | SURVEYED | | |
| | PLOTTED | | |
| NOTE BOOK | TYPING AT | | |
| | AREAS | | |
| NO. | AREAS CHECKED | | |

| ORIGINAL SURVEY | | BY | DATE |
|---|---|---|---|
| | SURVEYED | | |
| | PLOTTED | | |
| NOTE BOOK | TYPING AT | | |
| | AREAS | | |
| NO. | AREAS CHECKED | | |

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

ACCESS ROAD TO BE CONSTRUCTED UNDER FAI PROJECT I-H3-1(67)

O.B. ℄

642.95

650

640

630

620

ORIGINAL EXIST. GROUND

C = 170 C.Y.
F = 64 C.Y.

O.B. STA. 535+00

EXC = 235 C.Y.
EMB = 200 C.Y.

FINISHED GRADE TO BE CONSTRUCTED UNDER FAI PROJECT I-H3-1(67)

O.B. ℄

650

640

630

620

640.36

C = 84 C.Y.
F = 230 C.Y.

O.B. STA. 534+50

EXC = 79 C.Y.
EMB = 853 C.Y.

O.B. ℄

650

640

630

620

637.83

C = 1 C.Y.
F = 683 C.Y.

O.B. STA. 534+00

EXC = 21 C.Y.
EMB = 1,267 C.Y.

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

RICHARD M. WAKIDA
REGISTERED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

84732

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | 310 | 325 |

TOTAL EXC = 164,295 CY

TOTAL EMB = 148,239 CY

SUBTOTAL EXC = 72,493 CY

SUBTOTAL EMB = 7,535 CY

FINAL SURVEY
NO. | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY
NO. | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

O.B. STA. 535+50

660
650
640
630
620

50 40 30 20 10 0 10 20 30 40 50

C = 0 %
T = 0 %

EXC = 322 C.Y.
EMB = 79 C.Y.

11-5-93 REVISED SECTIONS
DATE REVISION

RICHARD M. WARREN
REGISTERED PROFESSIONAL ENGINEER
No. 7200-E
HAWAII, U.S.A.

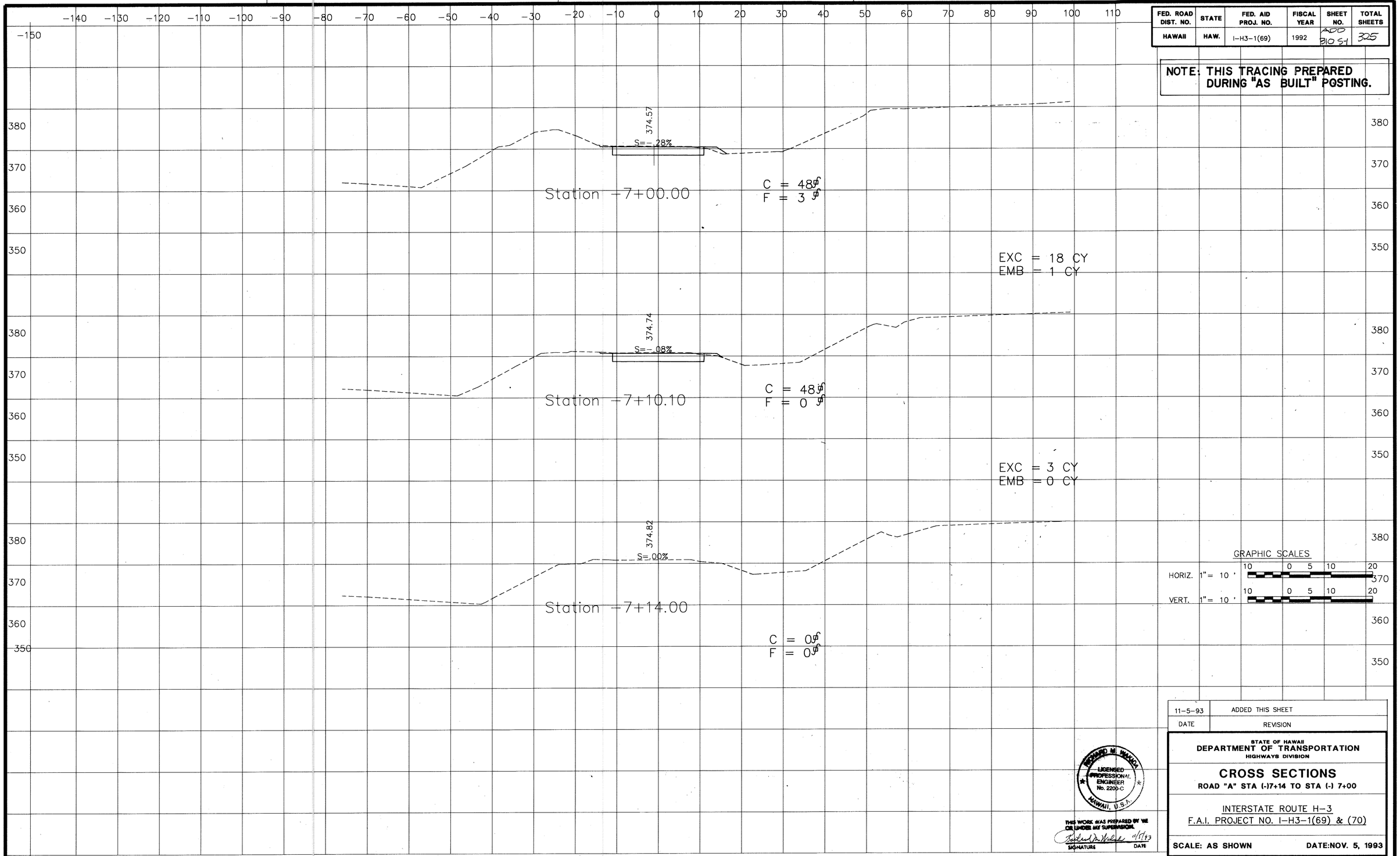
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE

ADD. 310

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | ADD 310 S-1 | 325 |

NOTE: THIS TRACING PREPARED DURING "AS BUILT" POSTING.




GRAPHIC SCALES

HORIZ. 1" = 10 ' (10 0 5 10 20)

VERT. 1" = 10 ' (10 0 5 10 20)

| DATE | REVISION |
|---|---|
| 11-5-93 | ADDED THIS SHEET |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# CROSS SECTIONS

ROAD "A" STA (-)7+14 TO STA (-) 7+00

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(69) & (70)

SCALE: AS SHOWN DATE: NOV. 5, 1993

SHEET No. XA 1 OF 31 SHEETS

RICHARD M. WASSON
LICENSED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

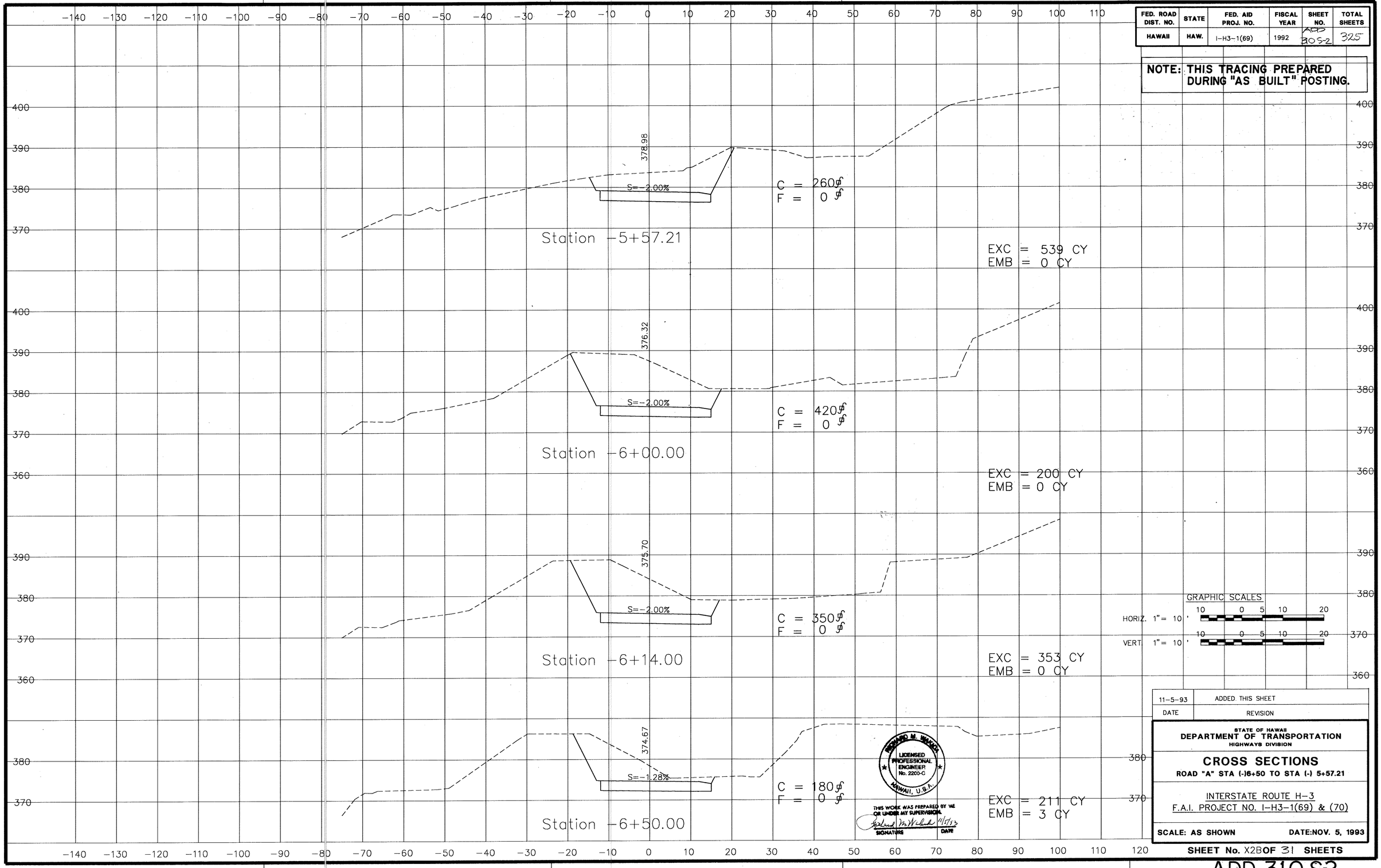
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE 11/5/93 DATE

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

ADD. 310 S-1

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | ADD 310 S-2 | 325 |

**NOTE: THIS TRACING PREPARED DURING "AS BUILT" POSTING.**




GRAPHIC SCALES

HORIZ. 1" = 10' (10 0 5 10 20)

VERT 1" = 10' (10 0 5 10 20)

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

| DATE | REVISION |
|---|---|
| 11-5-93 | ADDED THIS SHEET |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# CROSS SECTIONS

ROAD "A" STA (-)6+50 TO STA (-) 5+57.21

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(69) & (70)

SCALE: AS SHOWN DATE: NOV. 5, 1993

SHEET No. X2B OF 31 SHEETS

RICHARD M. WEIGEL
LICENSED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

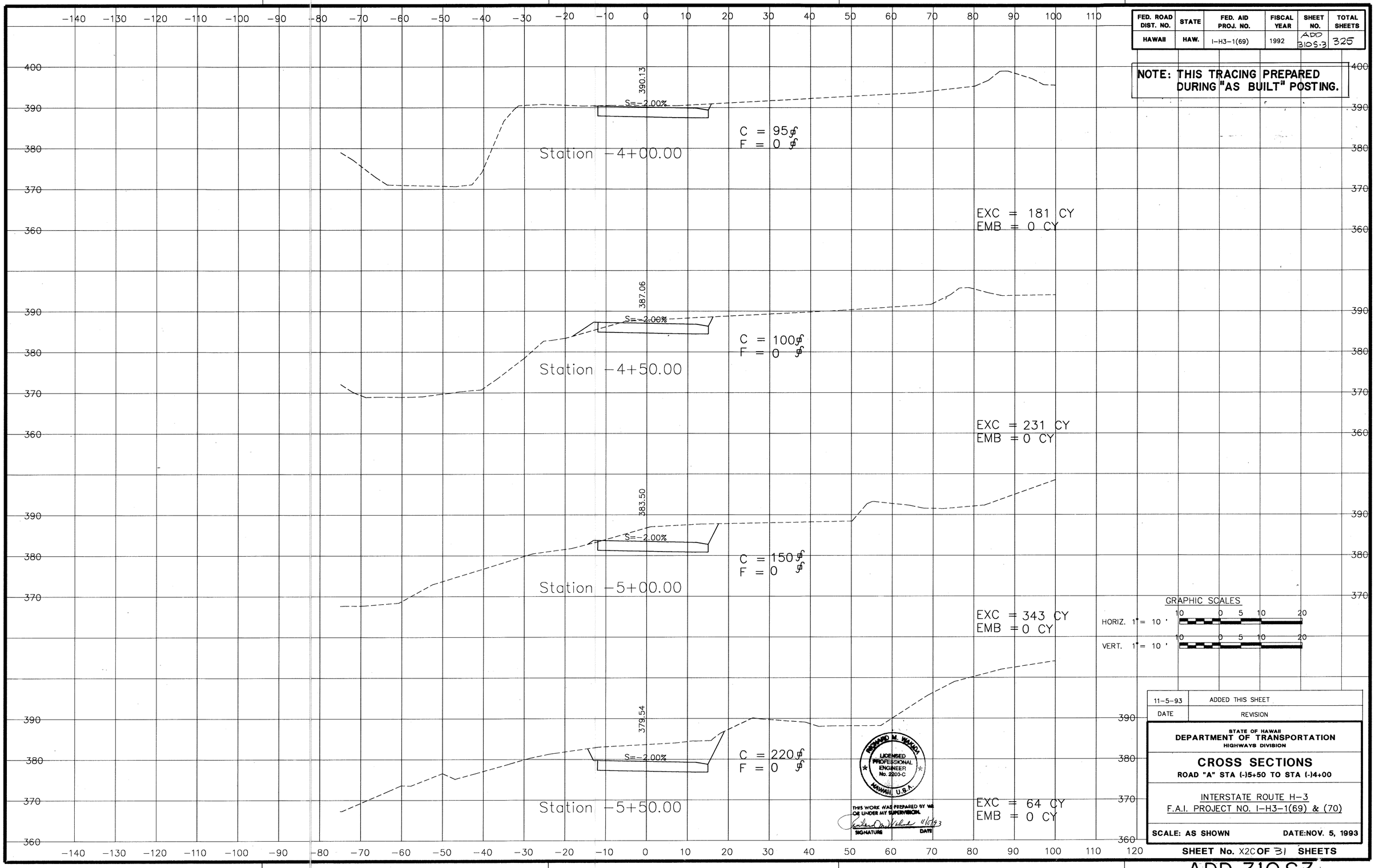
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE 11/5/93

ADD. 310 S-2

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | ADD 310S-3 | 325 |

NOTE: THIS TRACING PREPARED DURING "AS BUILT" POSTING.




GRAPHIC SCALES

HORIZ. 1" = 10 ' (10 0 5 10 20)

VERT. 1" = 10 ' (10 0 5 10 20)

RICHARD M. WAKIDA
LICENSED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE _____ DATE 11/4/93

| | |
|---|---|
| 11-5-93 | ADDED THIS SHEET |
| DATE | REVISION |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# CROSS SECTIONS

ROAD "A" STA (-)5+50 TO STA (-)4+00

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(69) & (70)

SCALE: AS SHOWN DATE: NOV. 5, 1993

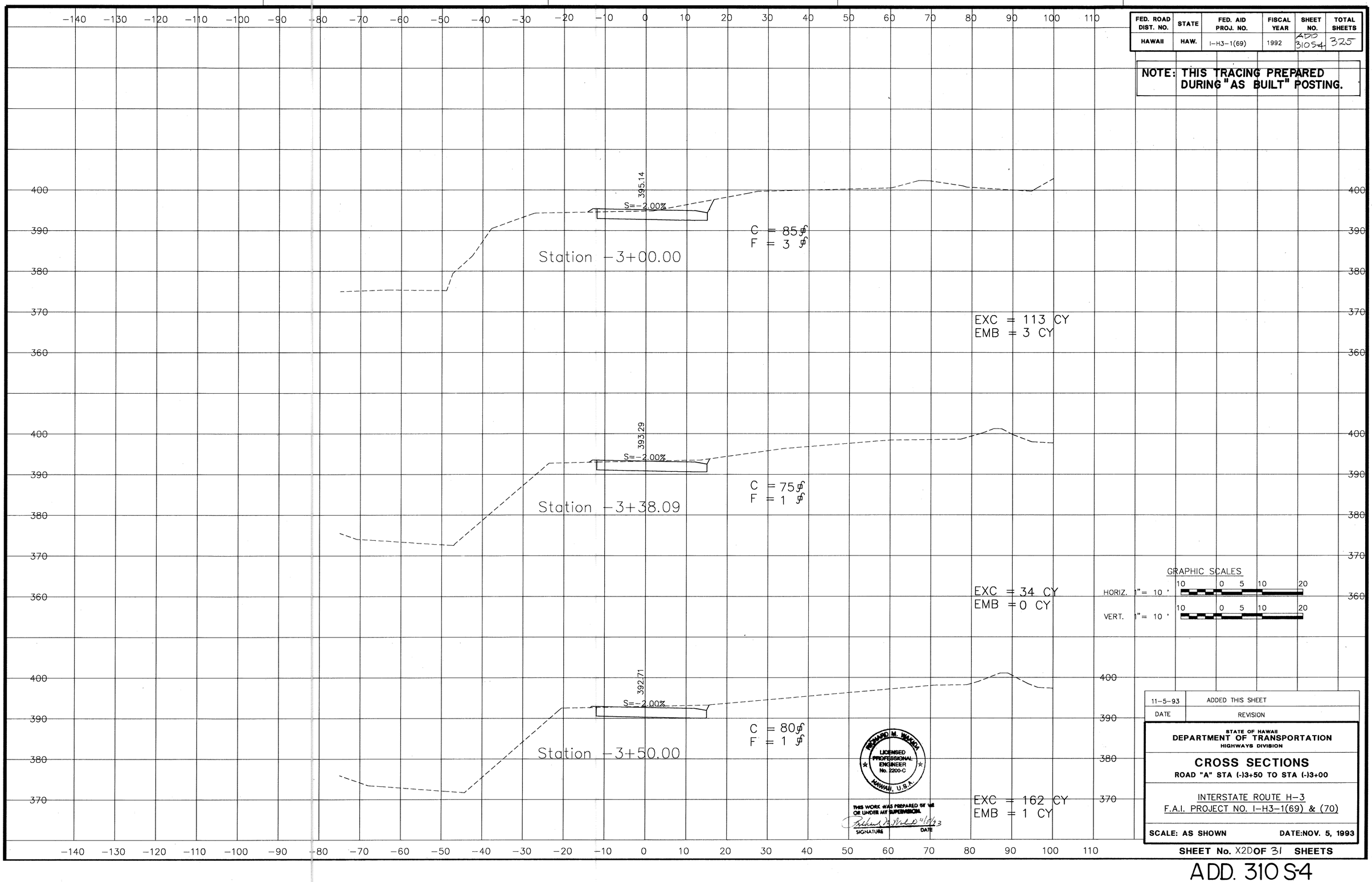
SHEET No. X2C OF 31 SHEETS

ADD. 310 S-3

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

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | ADD 310S-4 | 325 |

NOTE: THIS TRACING PREPARED DURING "AS BUILT" POSTING.




GRAPHIC SCALES

HORIZ. 1"= 10 ' 10 0 5 10 20

VERT. 1"= 10 ' 10 0 5 10 20

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

PREPARED M. WAKAI LICENSED PROFESSIONAL ENGINEER No. 2200-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE DATE 11/5/93

| DATE | REVISION |
|---|---|
| 11-5-93 | ADDED THIS SHEET |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# CROSS SECTIONS

ROAD "A" STA (-)3+50 TO STA (-)3+00

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(69) & (70)

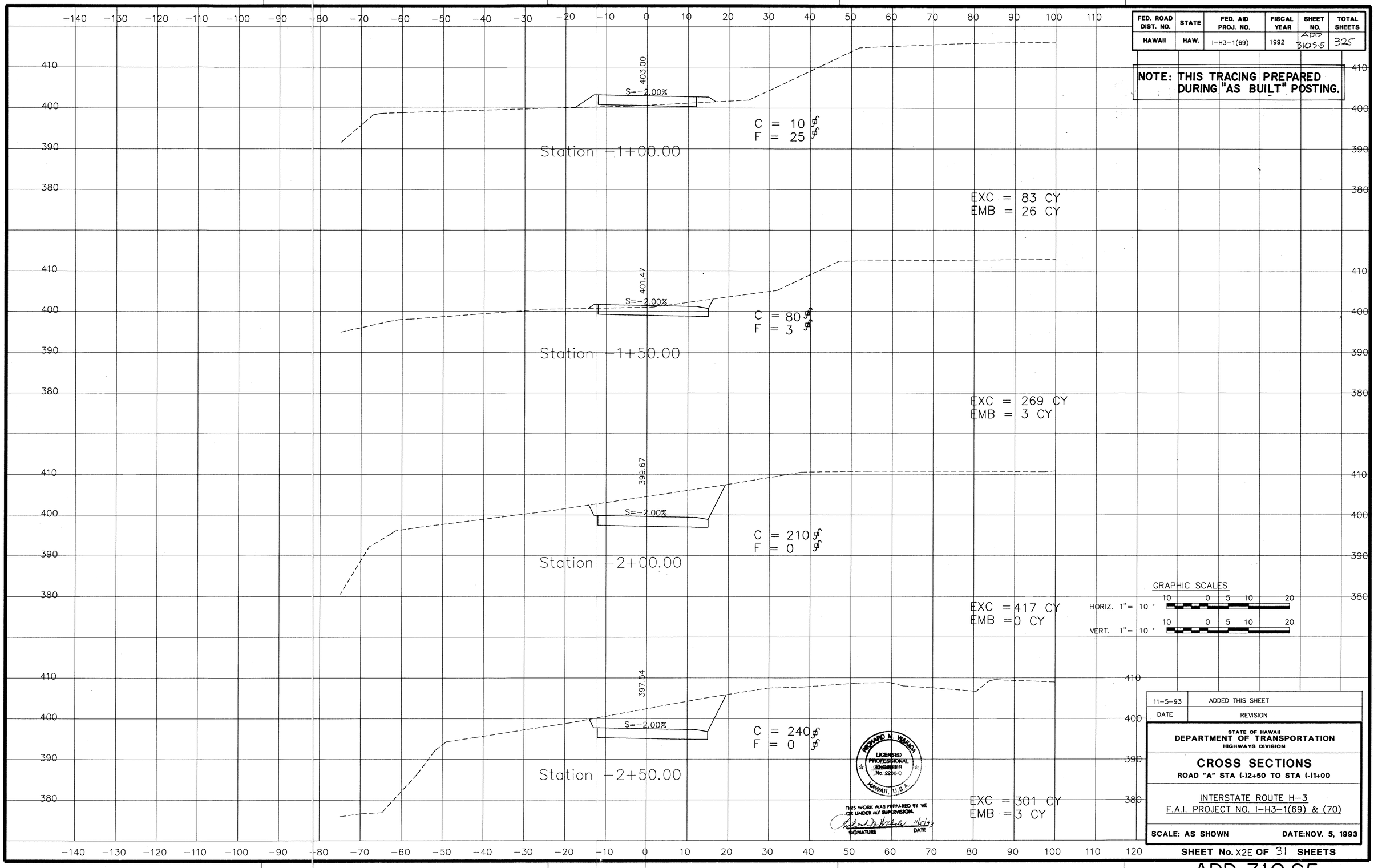
SCALE: AS SHOWN DATE:NOV. 5, 1993

SHEET No. X2D OF 31 SHEETS

ADD. 310 S-4

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | ADD 310S-5 | 325 |

NOTE: THIS TRACING PREPARED DURING "AS BUILT" POSTING.




GRAPHIC SCALES

HORIZ. 1" = 10 ' (10 0 5 10 20)

VERT. 1" = 10 ' (10 0 5 10 20)

| | |
|---|---|
| 11-5-93 | ADDED THIS SHEET |
| DATE | REVISION |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# CROSS SECTIONS

ROAD "A" STA (-)2+50 TO STA (-)1+00

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(69) & (70)

SCALE: AS SHOWN DATE: NOV. 5, 1993

SHEET No. X2E OF 31 SHEETS

RICHARD M. WAKEEN
LICENSED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

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SIGNATURE DATE

ORIGINAL PLAN

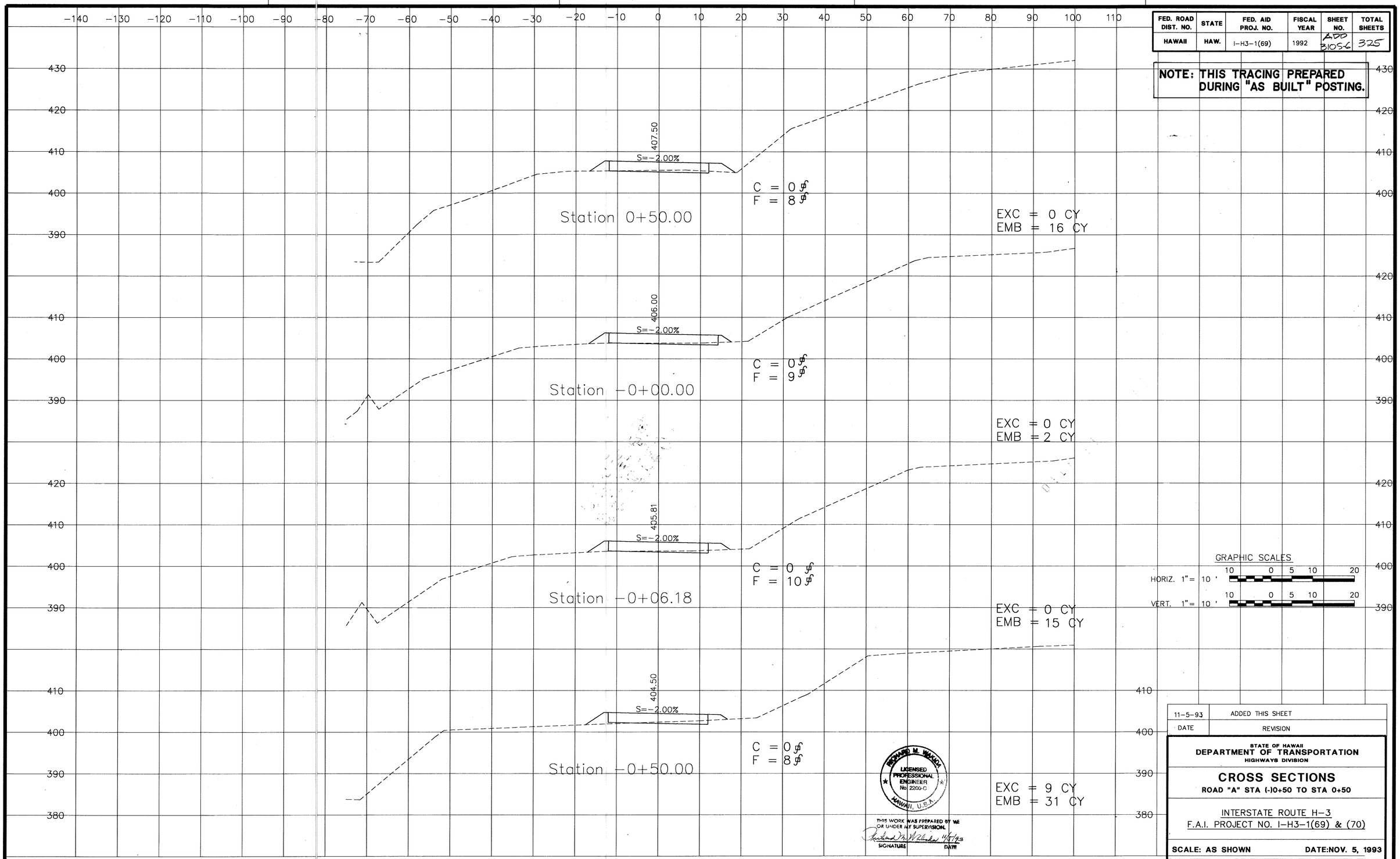
NOTE BOOK No.

SURVEY PLOTTED BY DATE
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

ADD 310 S5

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(69) | 1992 | ADD 310S-6 | 325 |

**NOTE: THIS TRACING PREPARED DURING "AS BUILT" POSTING.**




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

RICHARD M. WAKUKA
LICENSED PROFESSIONAL ENGINEER
No. 2200-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURES
DATE 11/5/93

| DATE | REVISION |
|---|---|
| 11-5-93 | ADDED THIS SHEET |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# CROSS SECTIONS

ROAD "A" STA (-)0+50 TO STA 0+50

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(69) & (70)

SCALE: AS SHOWN DATE:NOV. 5, 1993

SHEET No. X2F OF 31 SHEETS

ADD 310 S-6