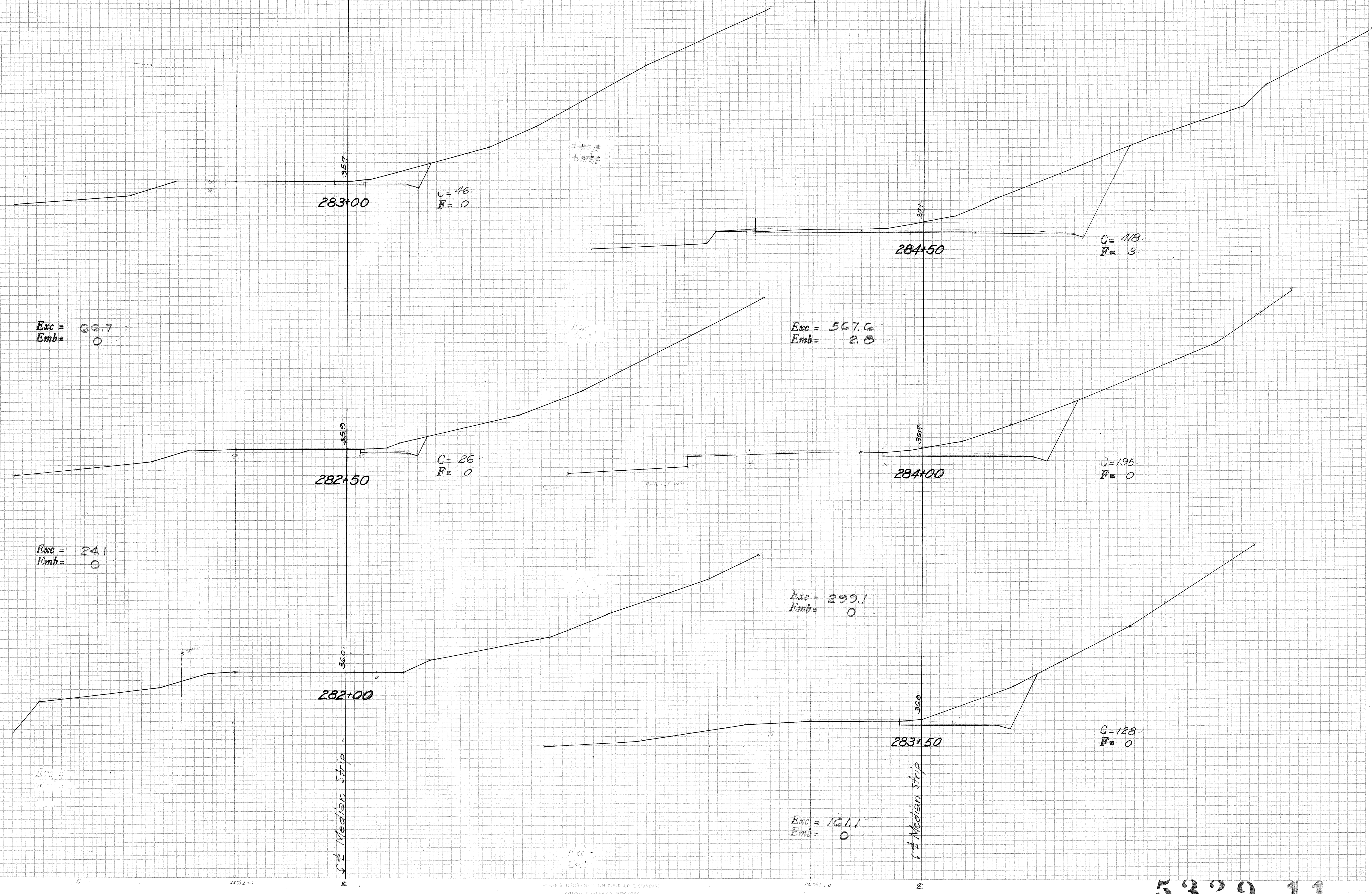


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | 519(2)             | 1948        | 11        | 19           |

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

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



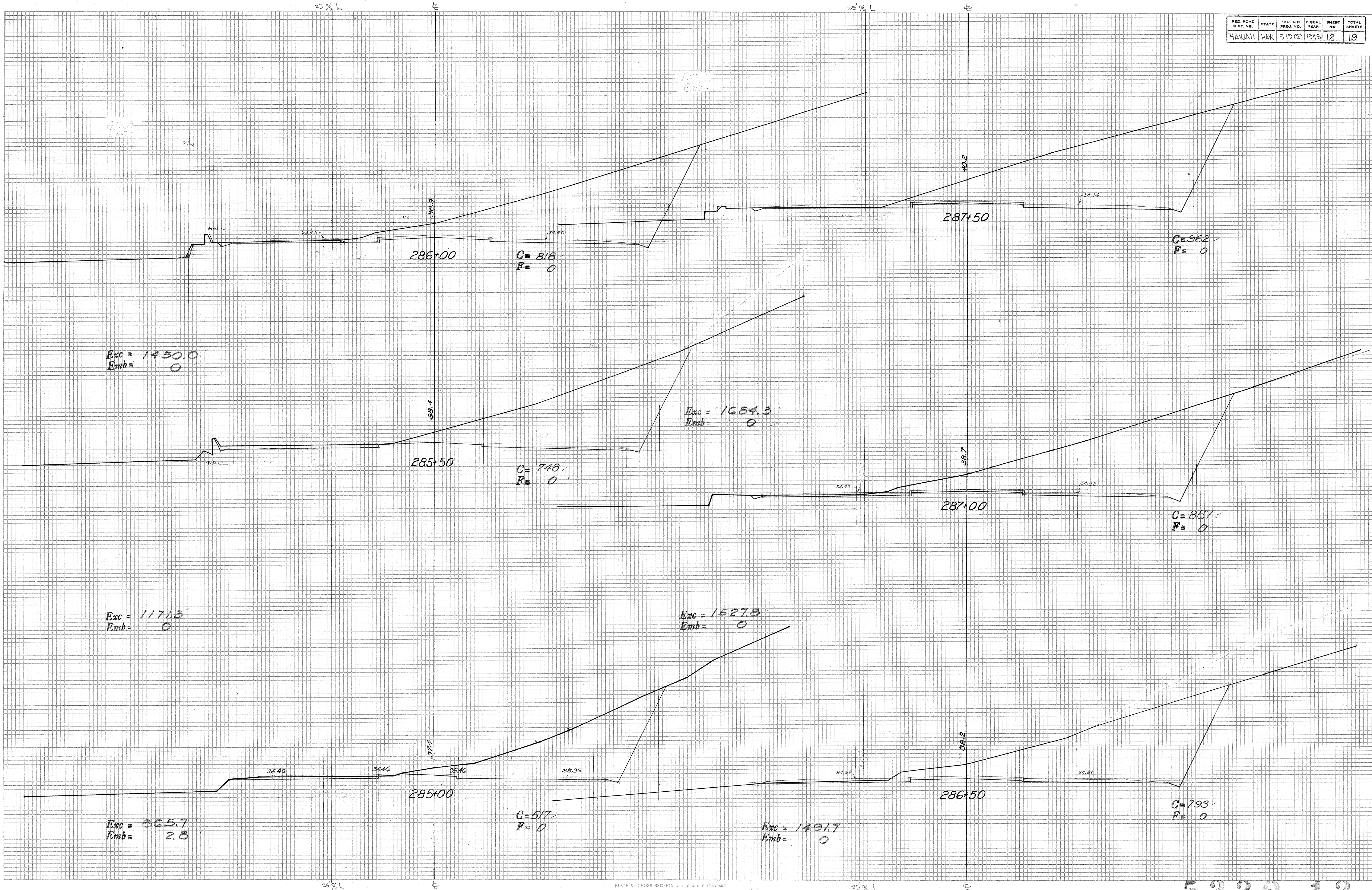


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | S 19 (2)           | 1948        | 12        | 19           |

| FINAL SURVEY | BY | DATE |
|--------------|----|------|
| SURVEYED     |    |      |
| NOTE BOOK    |    |      |
| NO.          |    |      |

| ORIGINAL SURVEY | BY | DATE |
|-----------------|----|------|
| SURVEYED        |    |      |
| NOTE BOOK       |    |      |
| NO.             |    |      |

Hor 1" = 10 ft  
Vert 1" = 10 ft





| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | S 10(2)            | 1948        | 13        | 19           |

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

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

hor = 10'  
vert = 10'

BY  
Judd  
Lopez

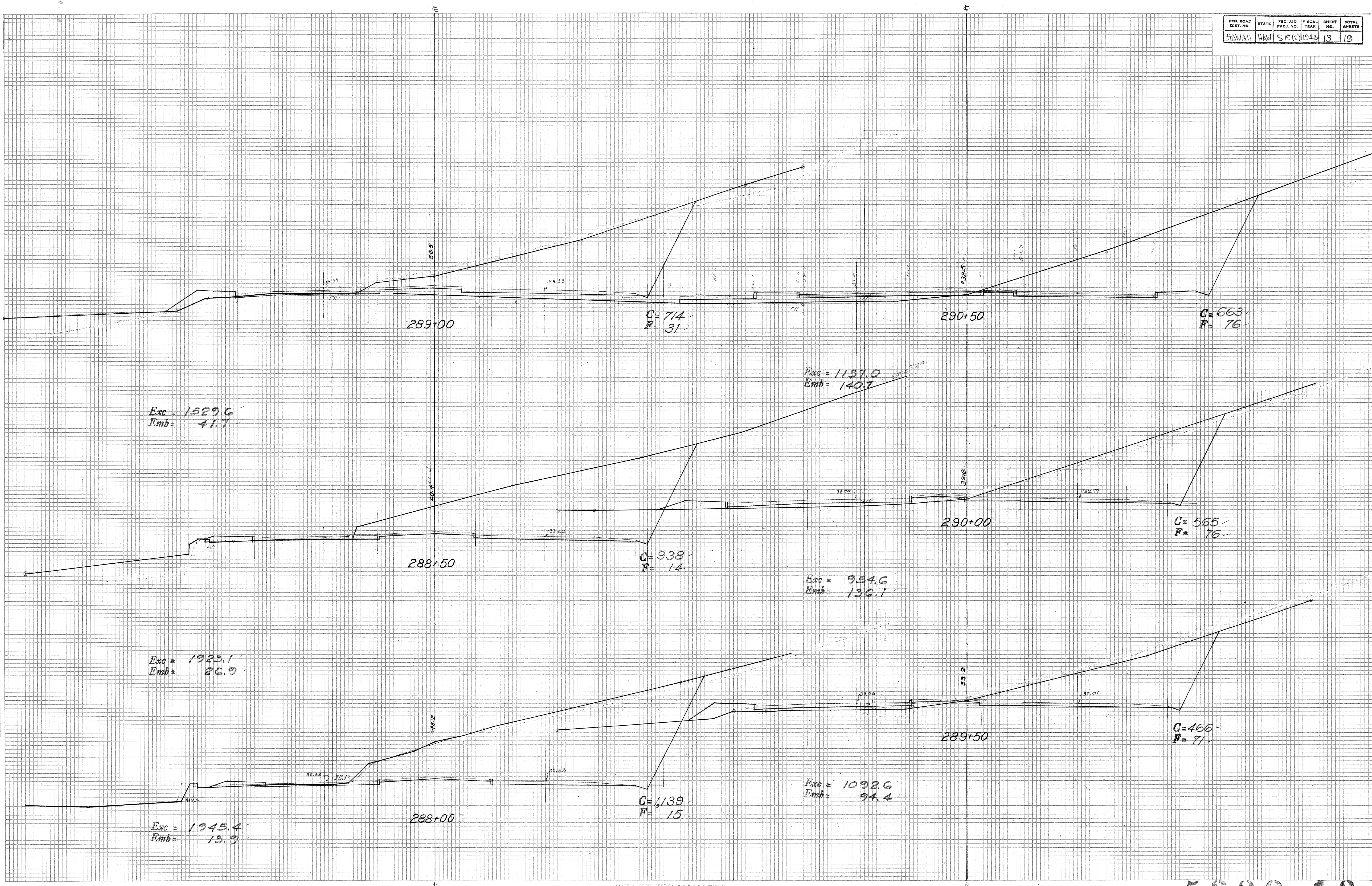


PLATE 3-CROSS SECTION O.P.R. & R.E. STANDARD  
KEUFFEL & ESSER CO., NEW YORK

5329.13

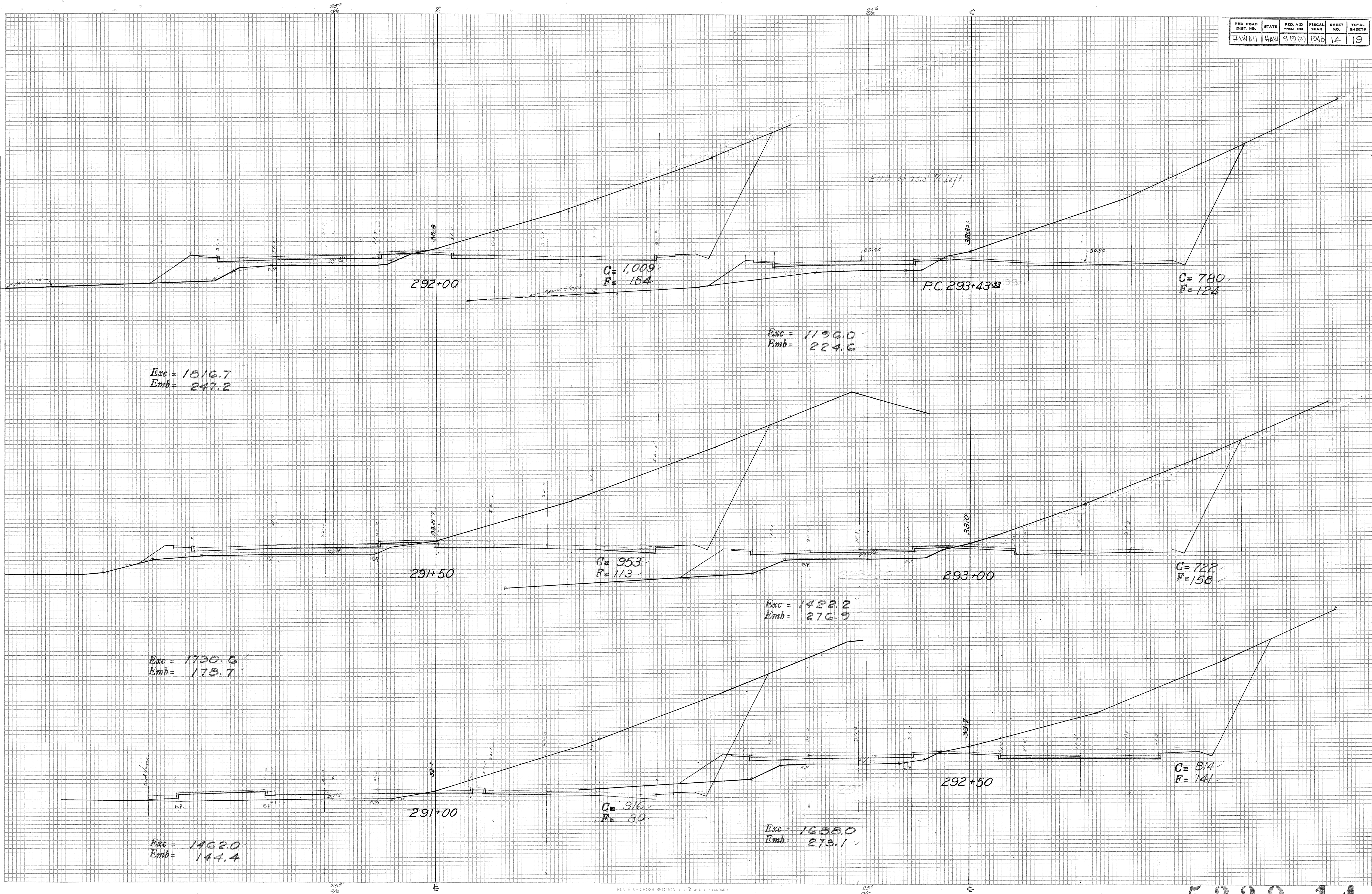


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | 519(2)             | 1948        | 14        | 19           |

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

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

Hor = 10'  
Vert = 10'





| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | S 17 (2)           | 1942        | 15        | 19           |

| FINAL SURVEY NO. | DATE | BY |
|------------------|------|----|
|                  |      |    |

| ORIGINAL SURVEY NO. | DATE | BY |
|---------------------|------|----|
|                     |      |    |

Vert 1"=10'  
Htz 1"=10'

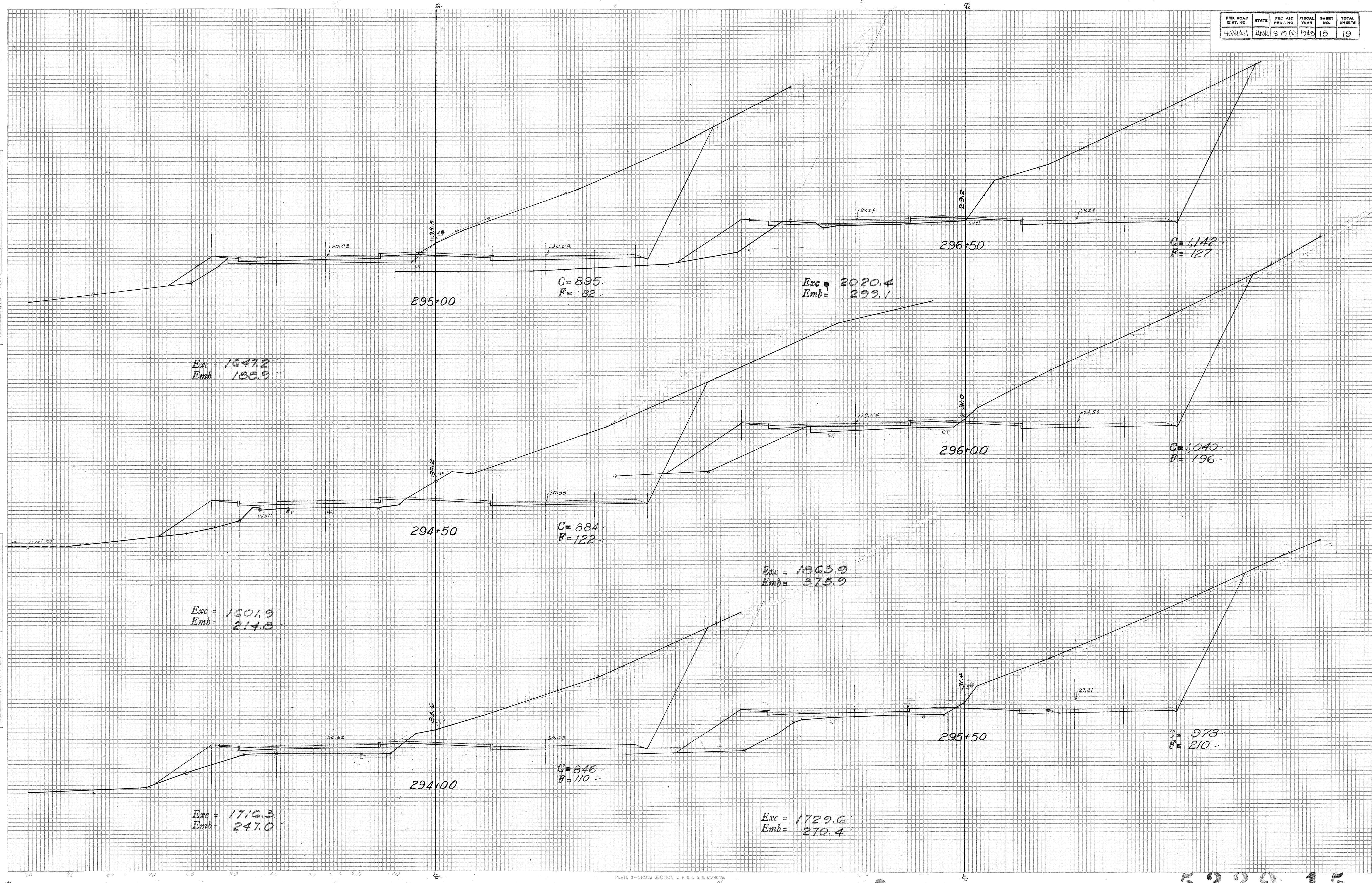


PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD  
KEUFFEL & ESSER CO., NEW YORK.

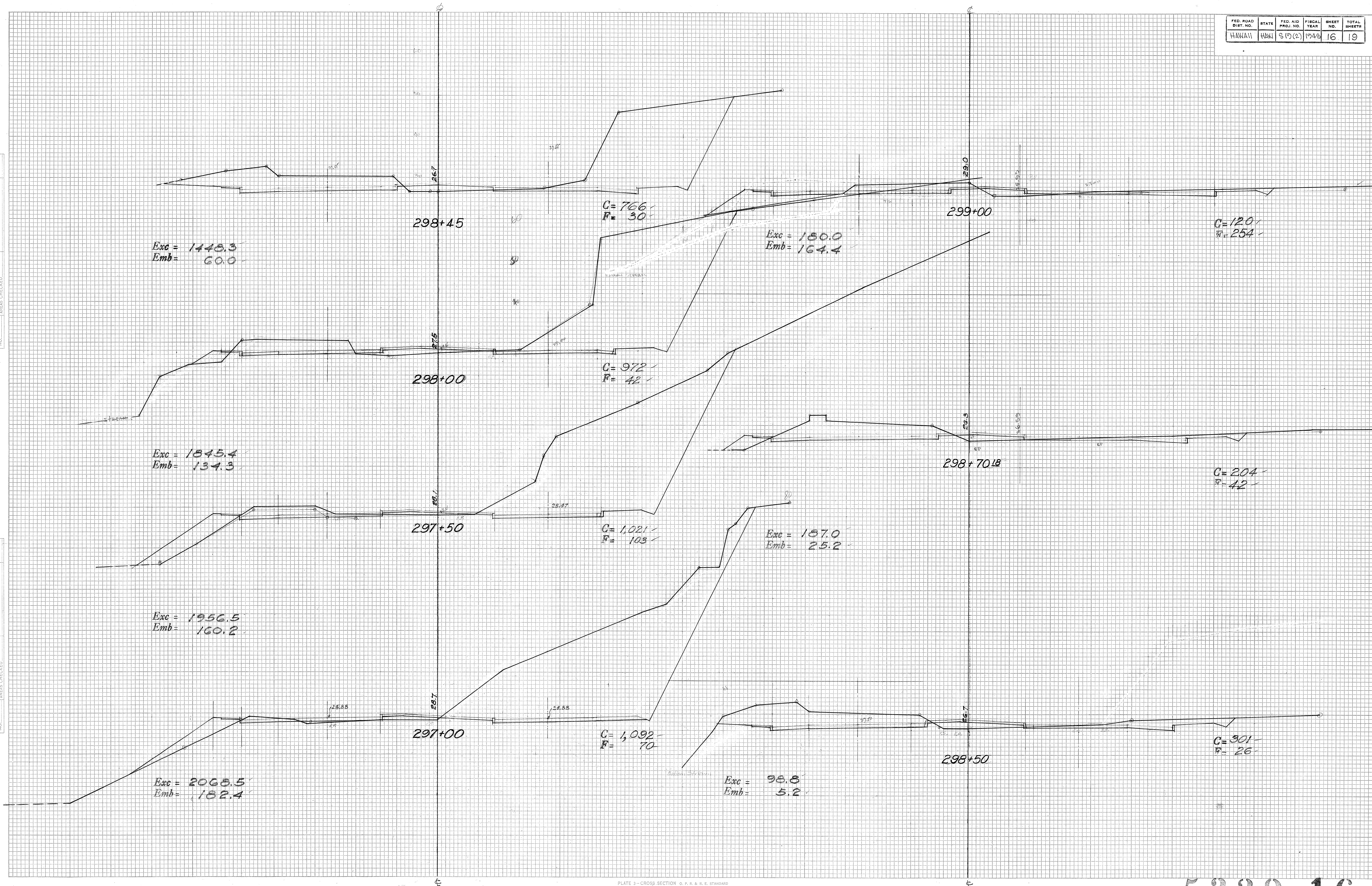
5329.15



| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | S 7(2)             | 1942        | 16        | 19           |

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

| ORIGINAL SURVEY | SURVEYED      | DATE    |
|-----------------|---------------|---------|
| NOTE BOOK       | PLOTTED       | 5/14/43 |
| NO.             | TEMP. PLATE   | 5/14/43 |
|                 | AREAS CHECKED |         |





FINAL SURVEY  
NOTE BOOK  
NO.

BY

DATE

AREAS CHECKED

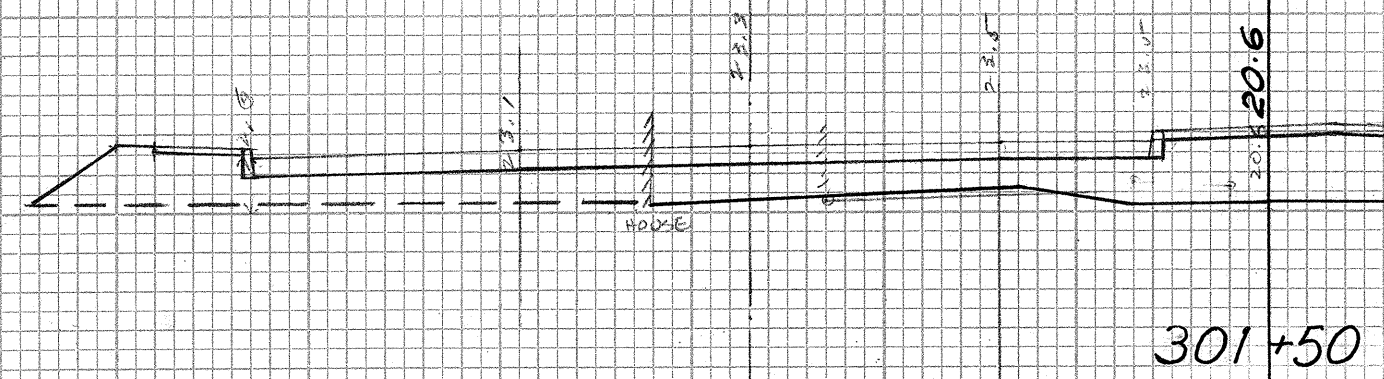
ORIGINAL SURVEY  
NOTE BOOK  
NO.

BY

DATE

AREAS CHECKED

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | 519(6)             | 1948        | 17        | 19           |



Exc = 0  
Emb = 549.1

Exc = 0  
Emb = 586.1

Exc = 0  
Emb = 817.6

Exc = 0  
Emb = 746.3

Exc = 0  
Emb = 564.8

301+50

301+00

300+50.3

300+00

299+50

C = 0  
F = 393

C = 0  
F = 200

C = 0  
F = 433

C = 0  
F = 450

C = 0  
F = 356

Exc = 0  
Emb = 543.5

Exc = 0  
Emb = 687.0

Exc = 0  
Emb = 855.6

Exc = 0  
Emb = 801.9

Exc = 0  
Emb = 710.2

304+00

303+50

303+00

302+50

302+00

C = 0  
F = 277

C = 0  
F = 310

C = 0  
F = 432

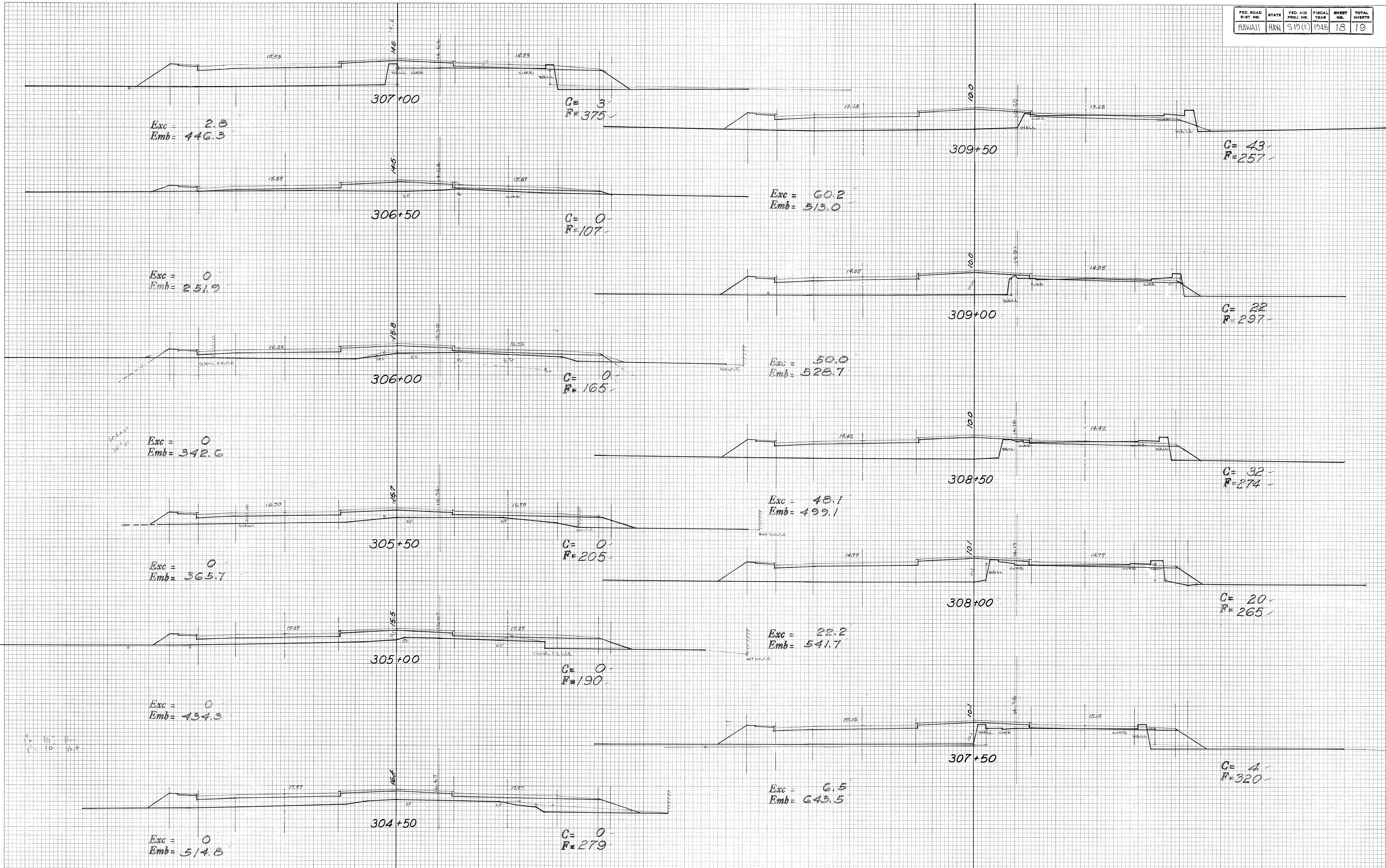
C = 0  
F = 492

C = 0  
F = 374



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

|                 |  |                    |                |
|-----------------|--|--------------------|----------------|
| ORIGINAL SURVEY |  | BY                 | DATE           |
| SURVEYED        |  | <i>J. J. Lopez</i> |                |
| PLOTTED         |  |                    |                |
| NOTE BOOK       |  |                    |                |
| NO.             |  | <i>Lopez</i>       | <i>5/20/98</i> |
| AREAS CHECKED   |  |                    |                |





| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | S 19 (2)           | 1948        | 19        | 19           |

| DATE | BY | NO. |
|------|----|-----|
|      |    |     |

| DATE | BY | NO. |
|------|----|-----|
|      |    |     |

