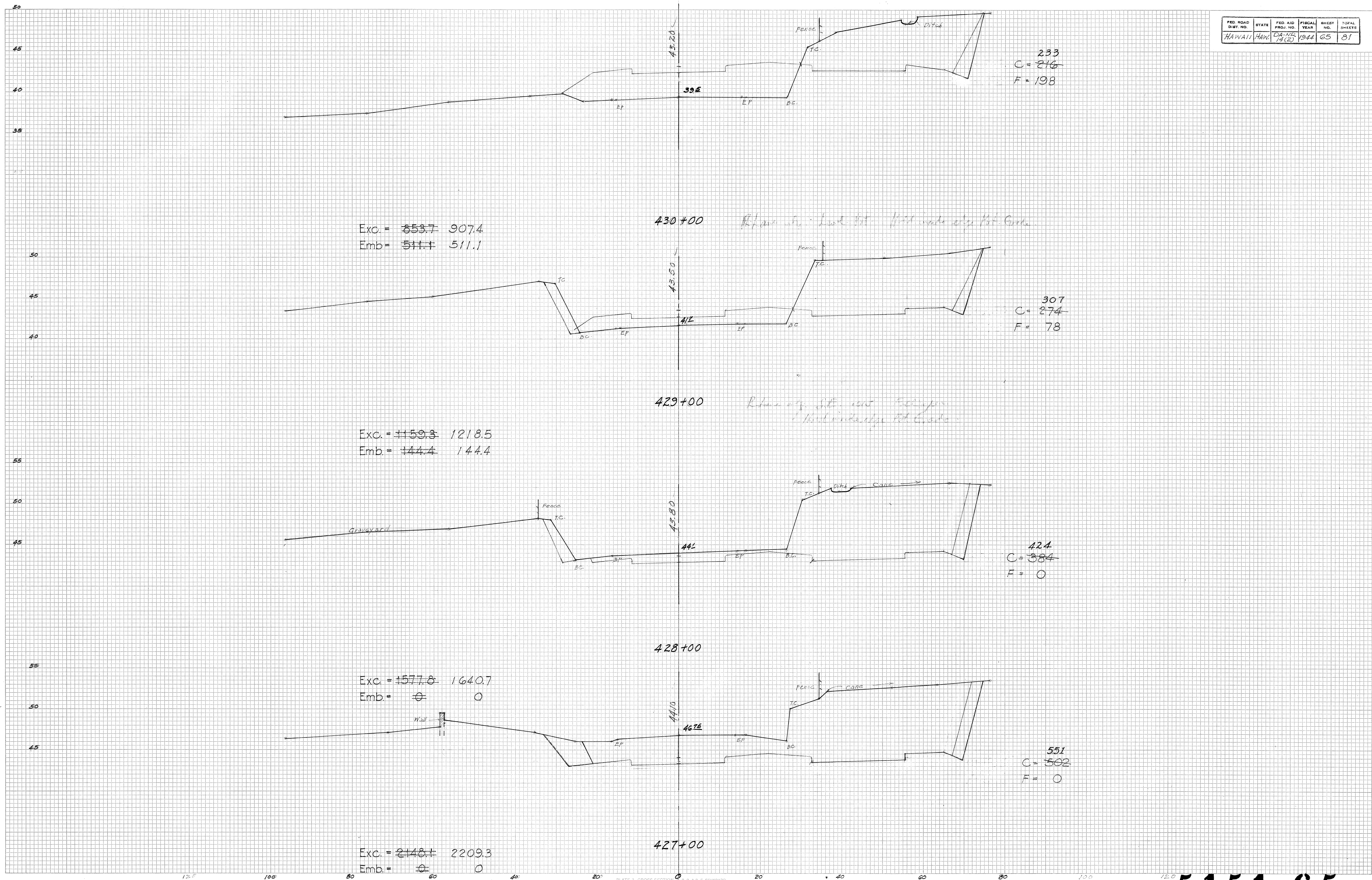


| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | DA-NR<br>14(2)        | 1944           | 65           | 81              |

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

Revised: May 31, 1945.

|                 |  |          |         |
|-----------------|--|----------|---------|
| ORIGINAL SURVEY |  | BY       | DATE    |
| SURVEYED        |  | T. F. G. | 9/27/44 |
| PLOTTED         |  | J. H.    | 9/25/44 |
| TEMPLATE        |  |          |         |
| NOTE BOOK       |  |          |         |
| AREAS           |  |          |         |
| AREAS CHECKED   |  |          |         |
| NO.             |  |          |         |



**5 1 5 1 . 6 5**



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | DA-NR 1412         | 1944        | 66        | 81           |

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

Revised: May 31, 1945

| ORIGINAL SURVEY | DATE    | BY     |
|-----------------|---------|--------|
| SURVEYED        | 5/12/45 | T.F.G. |
| NOTE BOOK       | 5/12/45 | W.H.   |
| AREAS           |         |        |
| AREAS CHECKED   |         |        |
| NO.             |         |        |

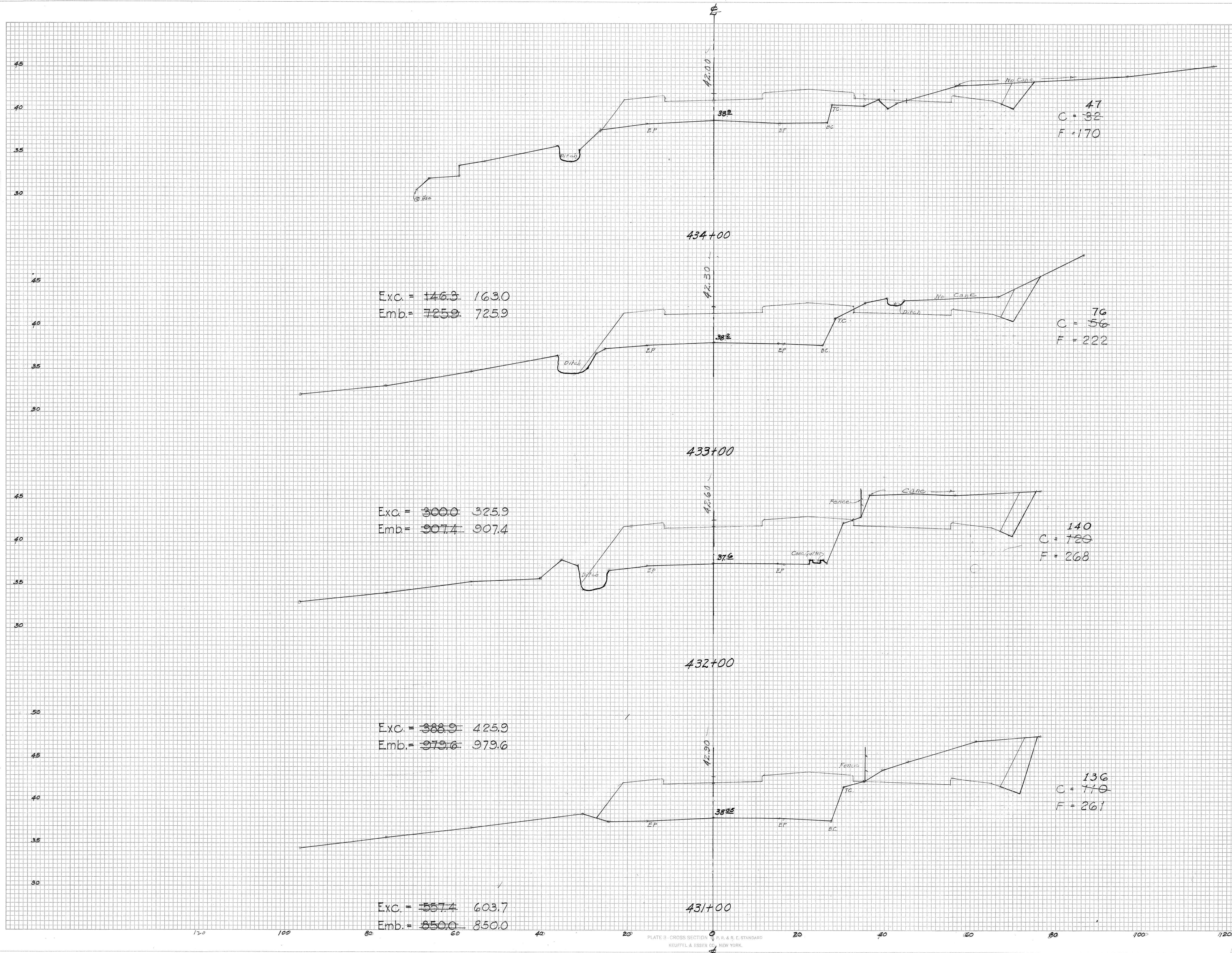
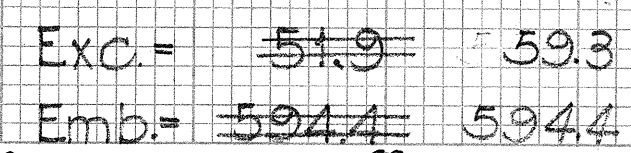
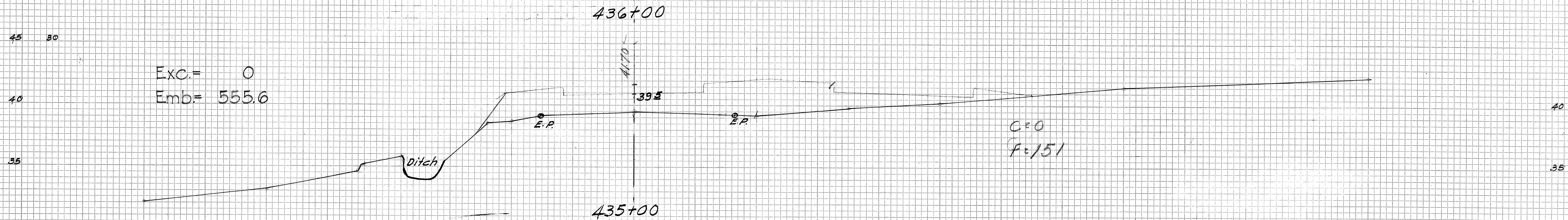
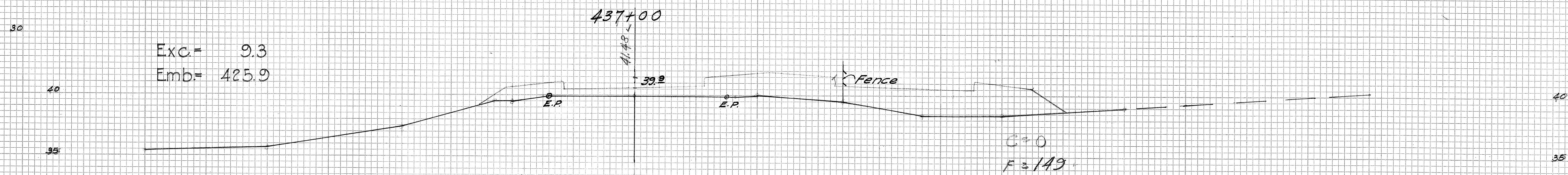
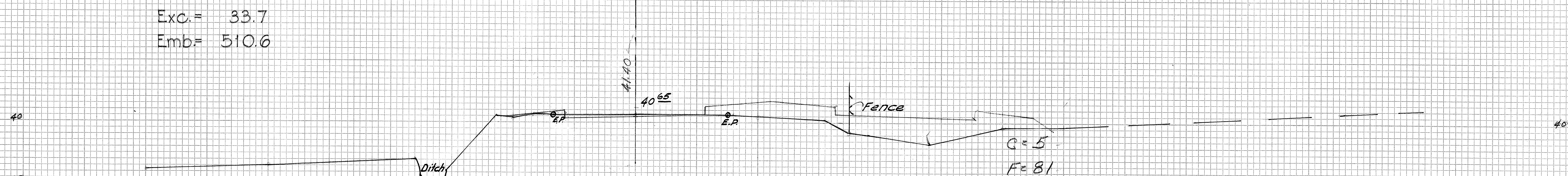
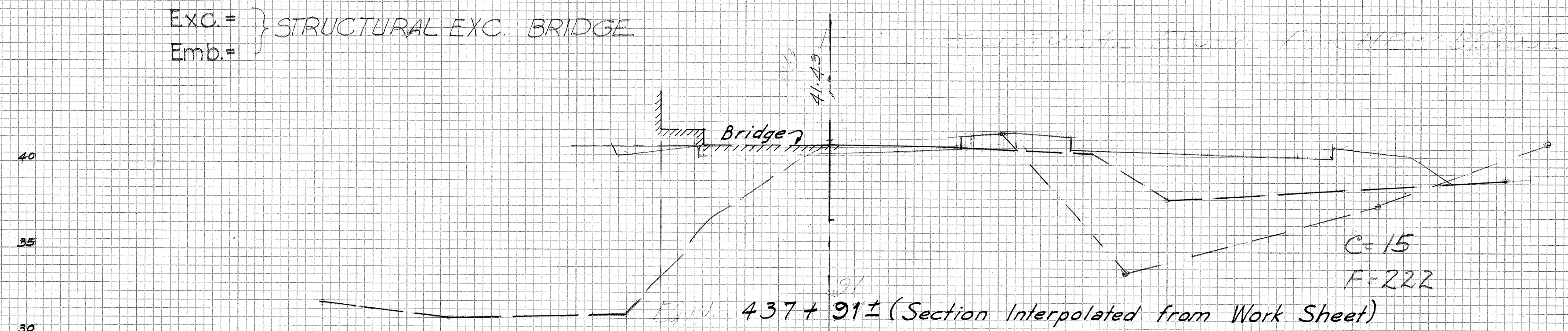
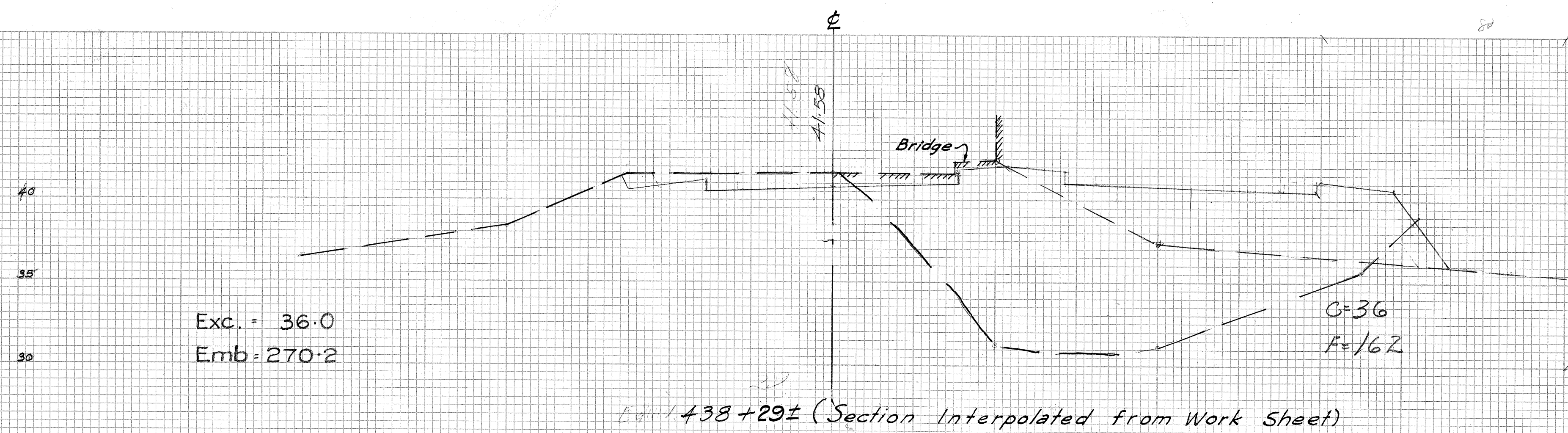


PLATE 3 - CROSS SECTION  
 KEUFFEL & ESSER CO. NEW YORK, N.Y.

5151.66



| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | DA-NR<br>14 (2)       | 1944           | 67           | 81              |



|                               |                     |    |      |
|-------------------------------|---------------------|----|------|
| FINAL<br>SURVEY               | SURVEYED<br>PLOTTED | BY | DATE |
| NOTE BOOK                     |                     |    |      |
| NO. _____ AREAS CHECKED _____ |                     |    |      |

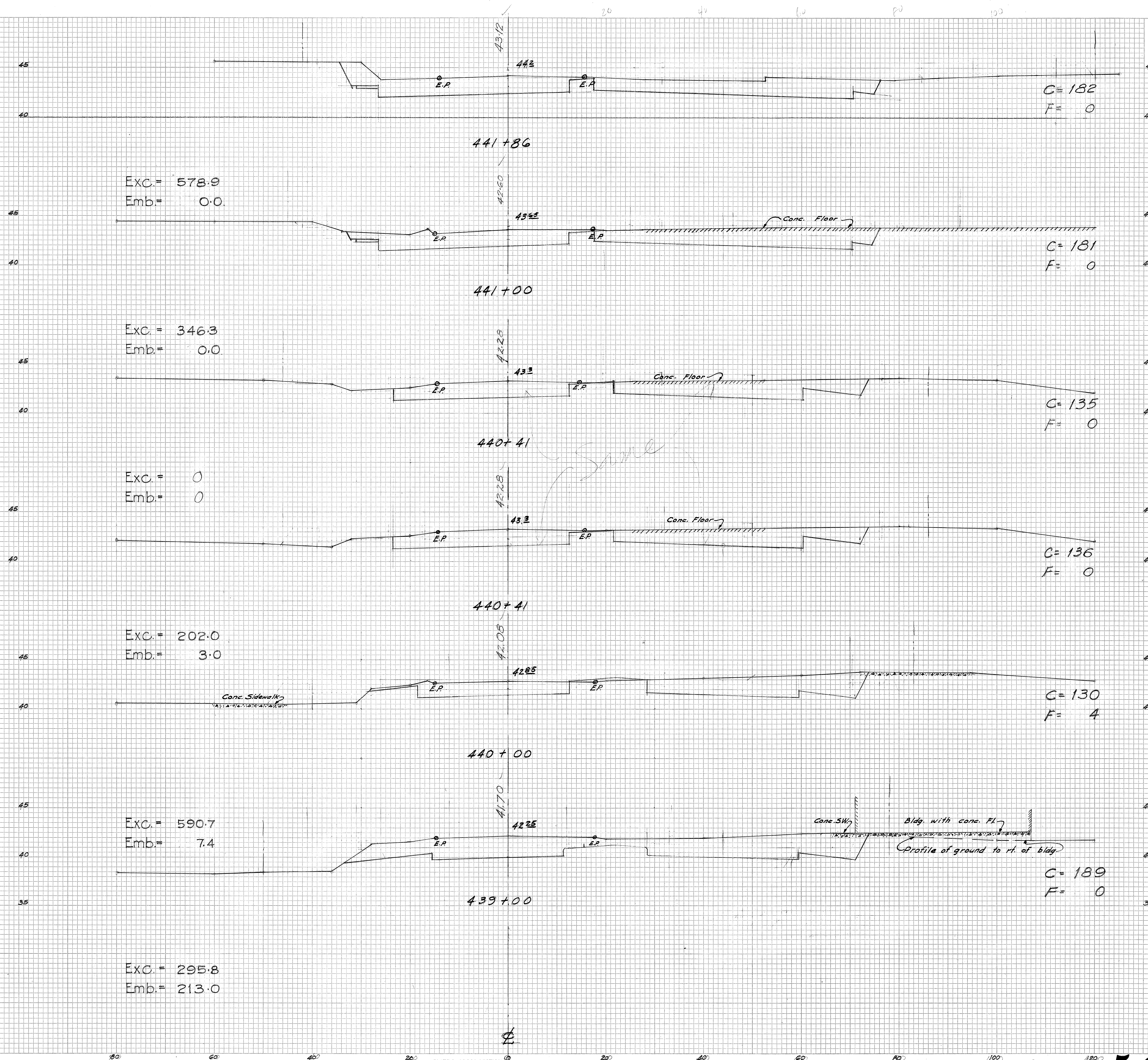
Revised: April 30, 1945  
Revised May 31, 1945

|                 |                                       |                              |
|-----------------|---------------------------------------|------------------------------|
| ORIGINAL SURVEY | BY<br><i>E.N. &amp; H.C.<br/>E.N.</i> | DATE<br><i>8/74<br/>8/74</i> |
| NOTE BOOK       |                                       |                              |
| PLOTTED         |                                       |                              |
| TEMPLATE        |                                       |                              |
| AREAS           |                                       |                              |
| AREAS CHECKED   |                                       |                              |



| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEET |
|------------------------|-------|-----------------------|----------------|--------------|----------------|
| HAWAII                 | HAW.  | DA-NR<br>14(2)        | 1944           | 68           | 81             |

Revised: April 30, 1945



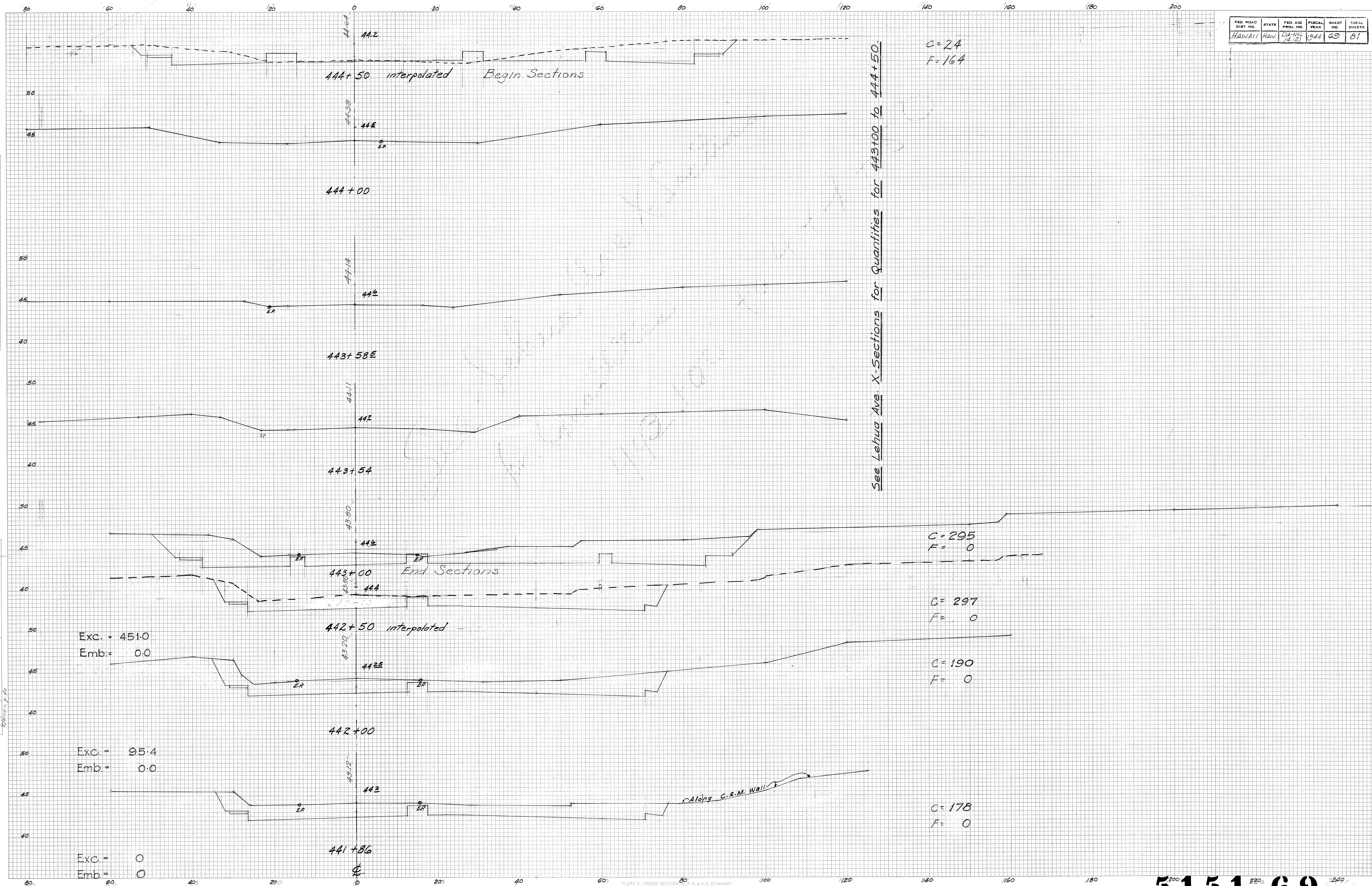
**5151.68**



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

Revised: April 30, 1945

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



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | D-1515             | 1944        | 69        | 81           |

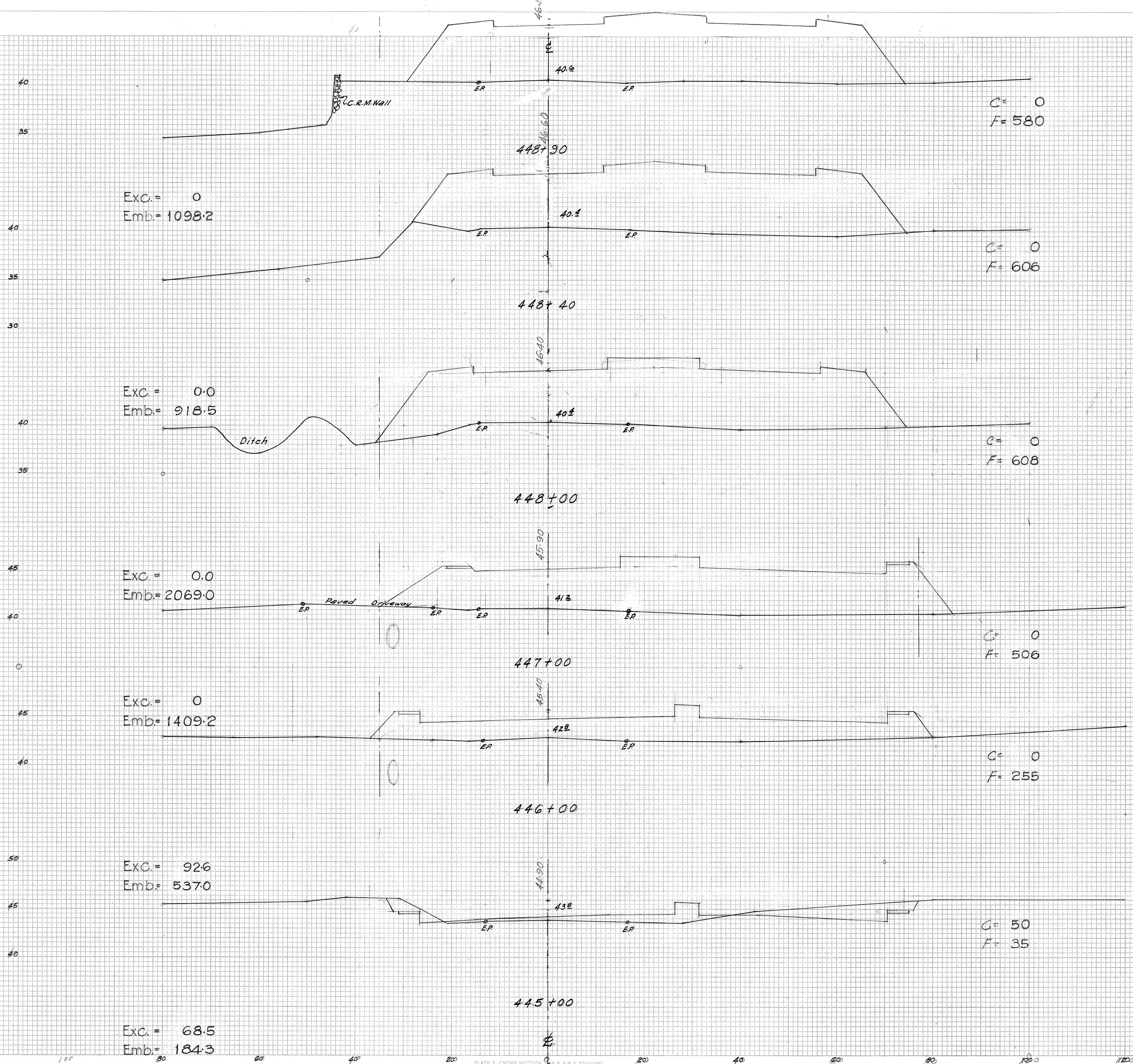


|       |               |      |
|-------|---------------|------|
| FINAL | SURVEY        | DATE |
| BOOK  | BY            |      |
| NO.   |               |      |
| NO.   | SURVEYED      |      |
|       | PLOTTED       |      |
|       | TEMPLATE      |      |
|       | AREAS CHECKED |      |

Revised April 30, 1945.

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

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | D-44-1412          | 1944        | 70        | 81           |



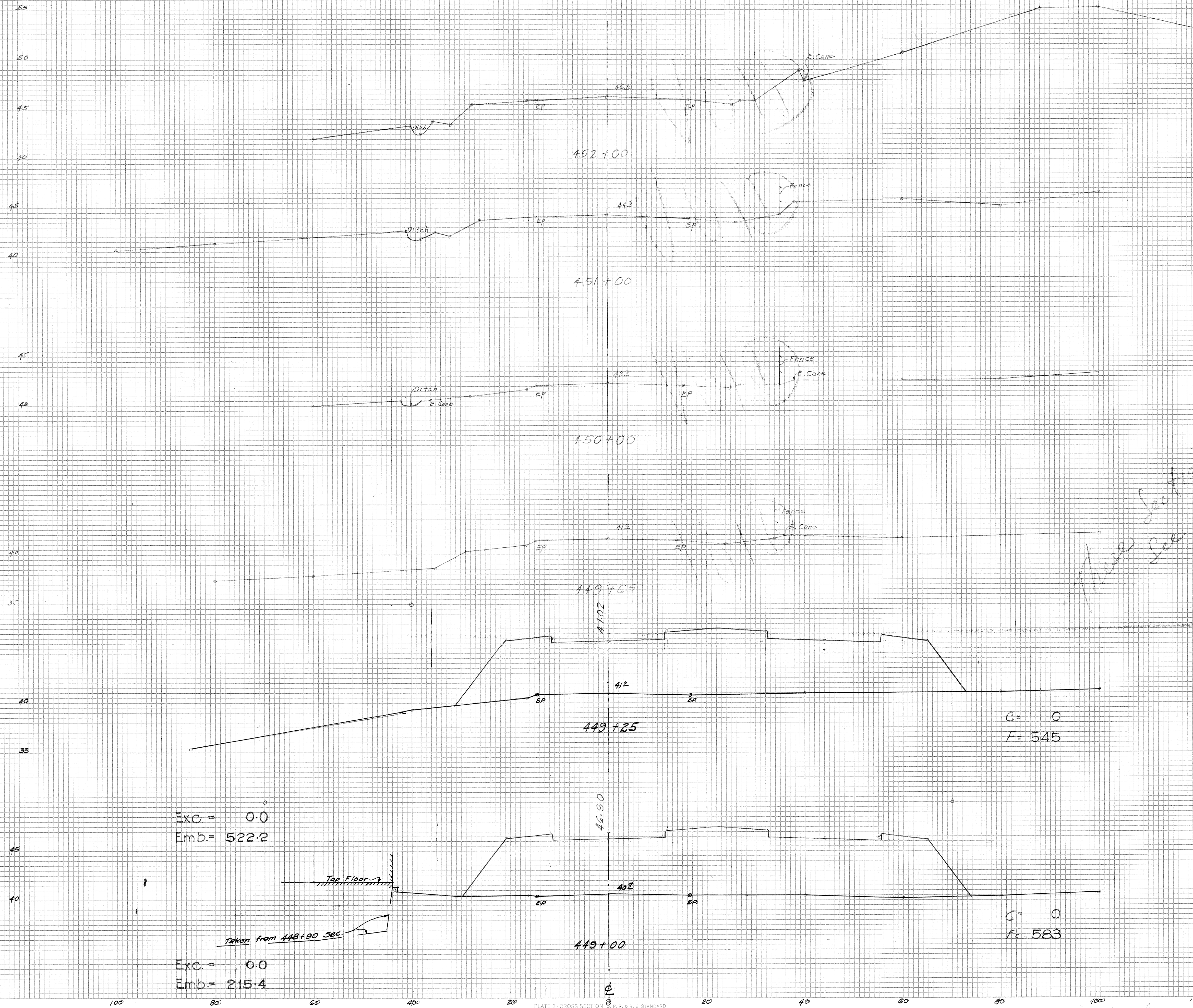


| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | DA-HR<br>1A(2)        | 1944           | 71           | 81              |

| FINAL SURVEY | SURVIVED<br>PLOTTED<br>TEMPLATE    | BY | DATE |
|--------------|------------------------------------|----|------|
| NOTE BOOK    |                                    |    |      |
| NO. _____    | AREAS _____<br>AREAS CHECKED _____ |    |      |

Revised April 30, 1945.

| ORIGINAL SURVEY | BY        | DATE           |
|-----------------|-----------|----------------|
| SURVIVED        | <i>SM</i> | <i>8/7/92</i>  |
| PLOTTED         | <i>SM</i> | <i>8/11/92</i> |
| NOTE BOOK       |           |                |
| TEMPLATE        |           |                |
| TRANS           |           |                |
| AREAS CHECKED   |           |                |



These sections removed  
see next sheets

Exc. = 0.0  
Emb. = 522.2

Exc. = 0.0  
Emb. = 215.4

$C = 0$   
 $F = 545$

C<sup>2</sup> 0  
F<sub>2</sub> 583

5 1 5 1.7 1



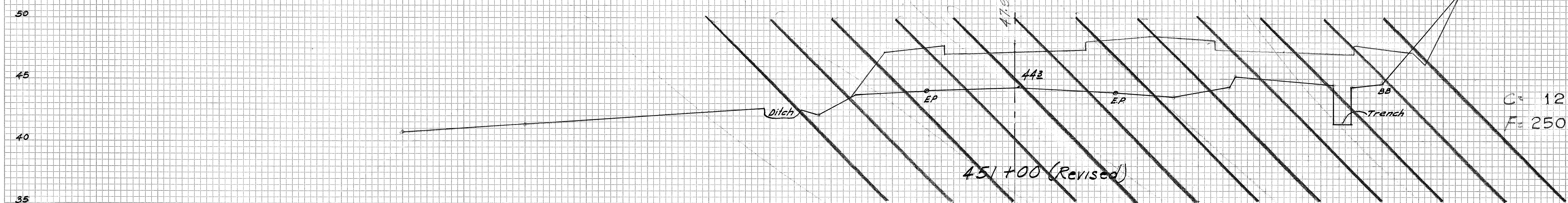
| DATE | BY | FINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | NO. 1 | NO. 2 | AREAS CHECKED |
|------|----|--------------|----------|---------|----------|-------|-------|---------------|
|      |    |              |          |         |          |       |       |               |

Revised: April 30, 1945.  
Revised May 31, 1945.

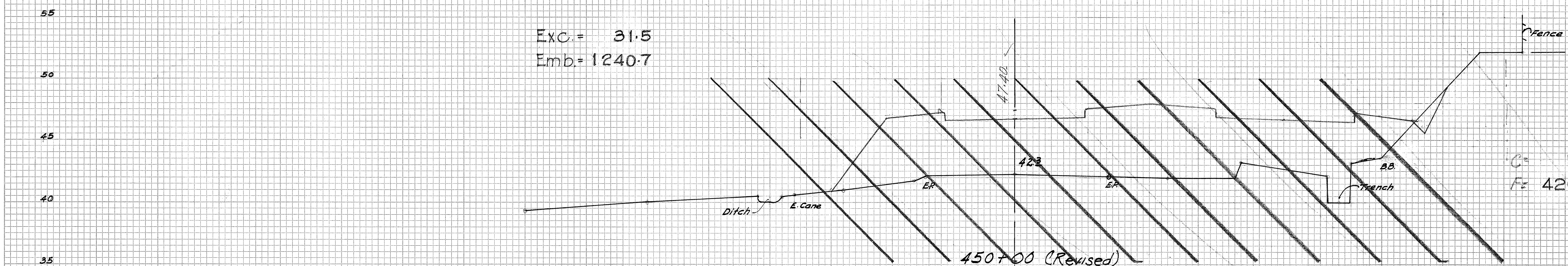
| DATE   | BY   | ORIGINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | NO. 1 | NO. 2 | AREAS CHECKED |
|--------|------|-----------------|----------|---------|----------|-------|-------|---------------|
| 7/2/44 | J.F. |                 |          |         |          |       |       |               |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | DA-NR 14 (2)       | 1944        | 72        | 81           |

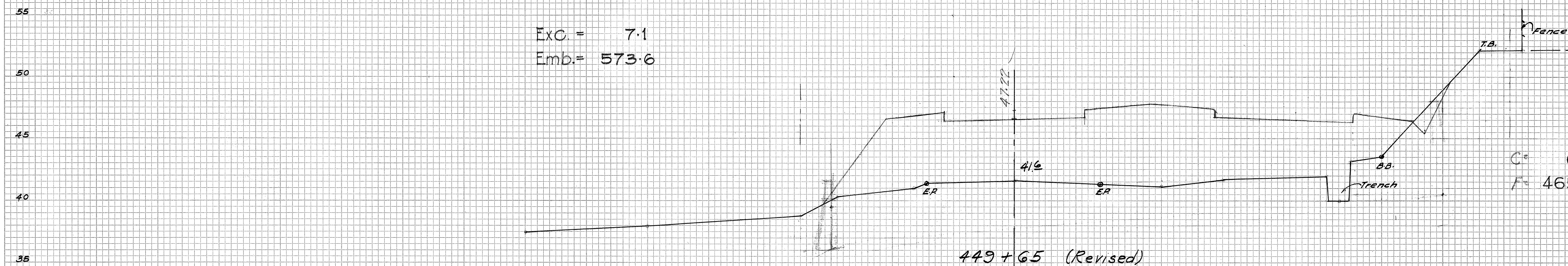
NOTE: For Stations 450+00 to 451+00  
See Sheet 5151.73A



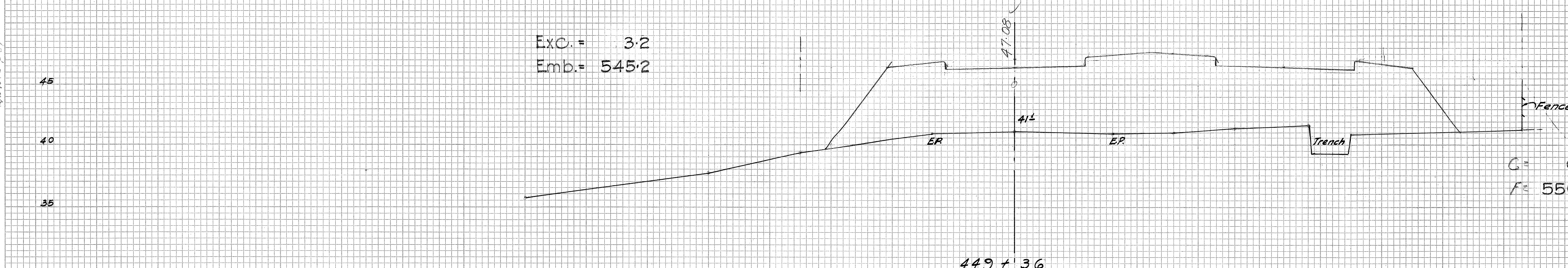
Exc. = 31.5  
Emb. = 1240.7



Exc. = 7.1  
Emb. = 573.6



Exc. = 3.2  
Emb. = 545.2



Exc. = 0.0  
Emb. = 223.0

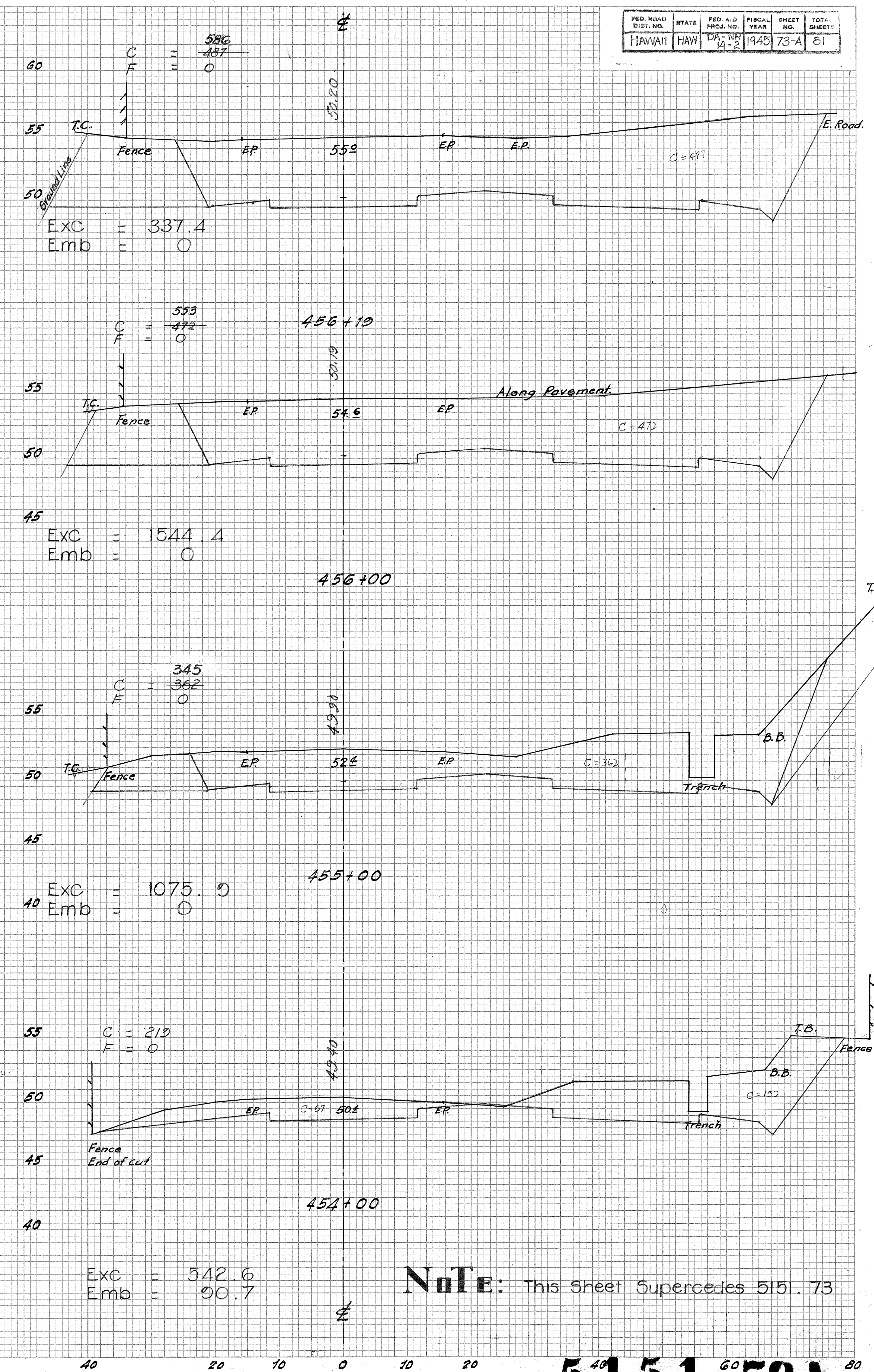
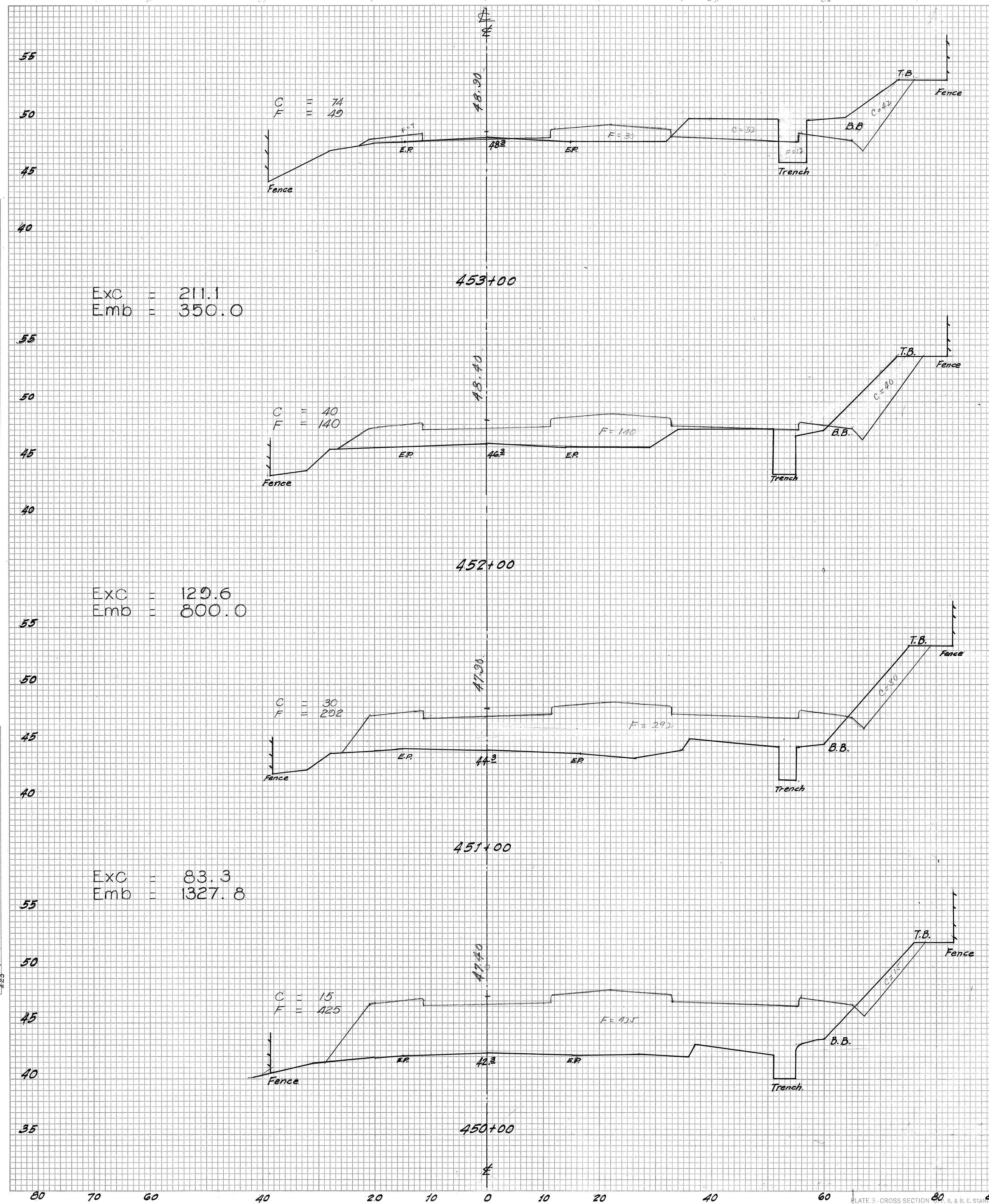


FINAL SURVEY  
NOTE BOOK  
NO.

DATE  
3/16/75  
BY  
L. F.

As of May 31, 1945

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | DA-115             | 1945        | 73-A      | 81           |



NOTE: This Sheet Supercedes 5151.73

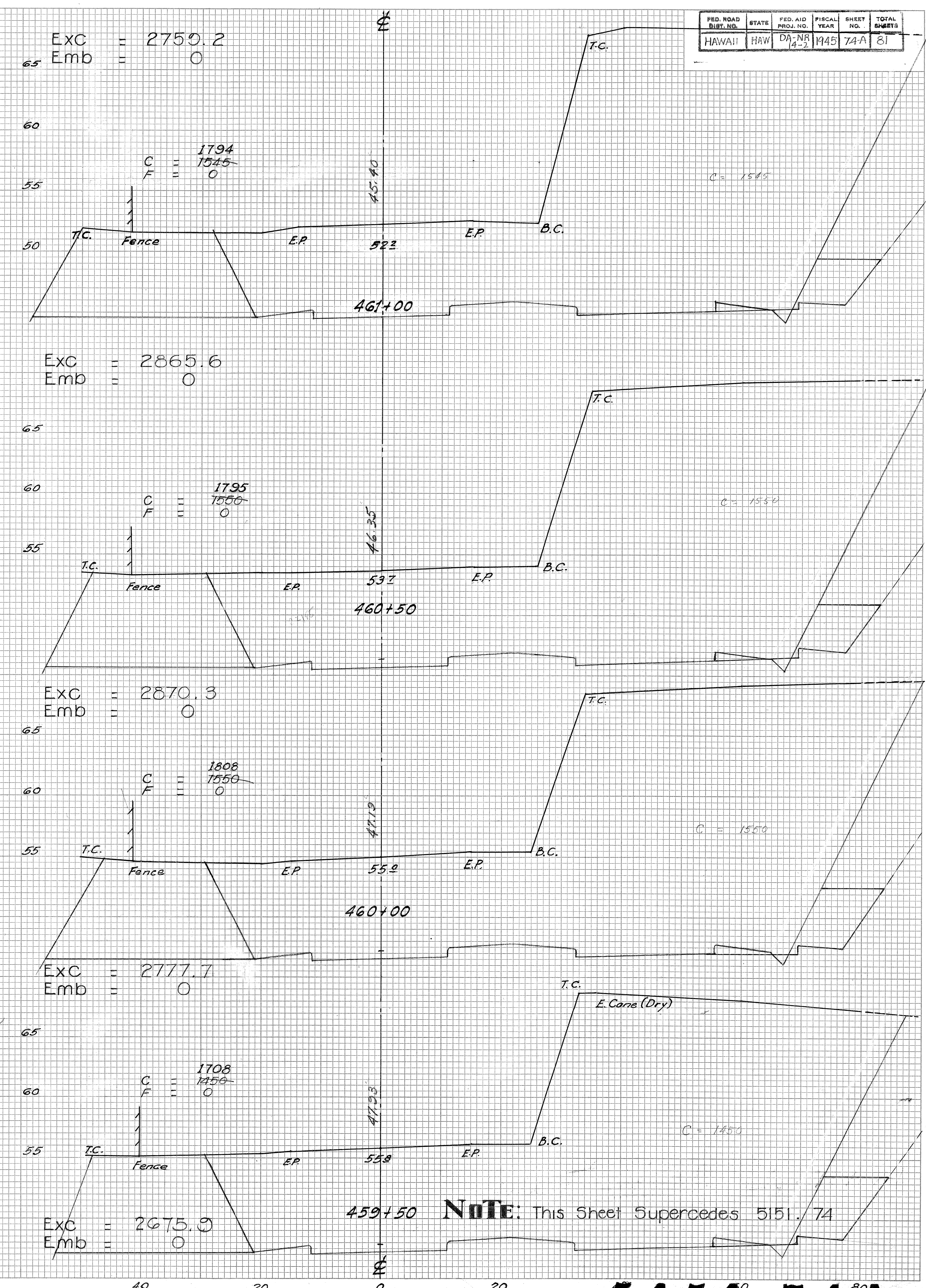
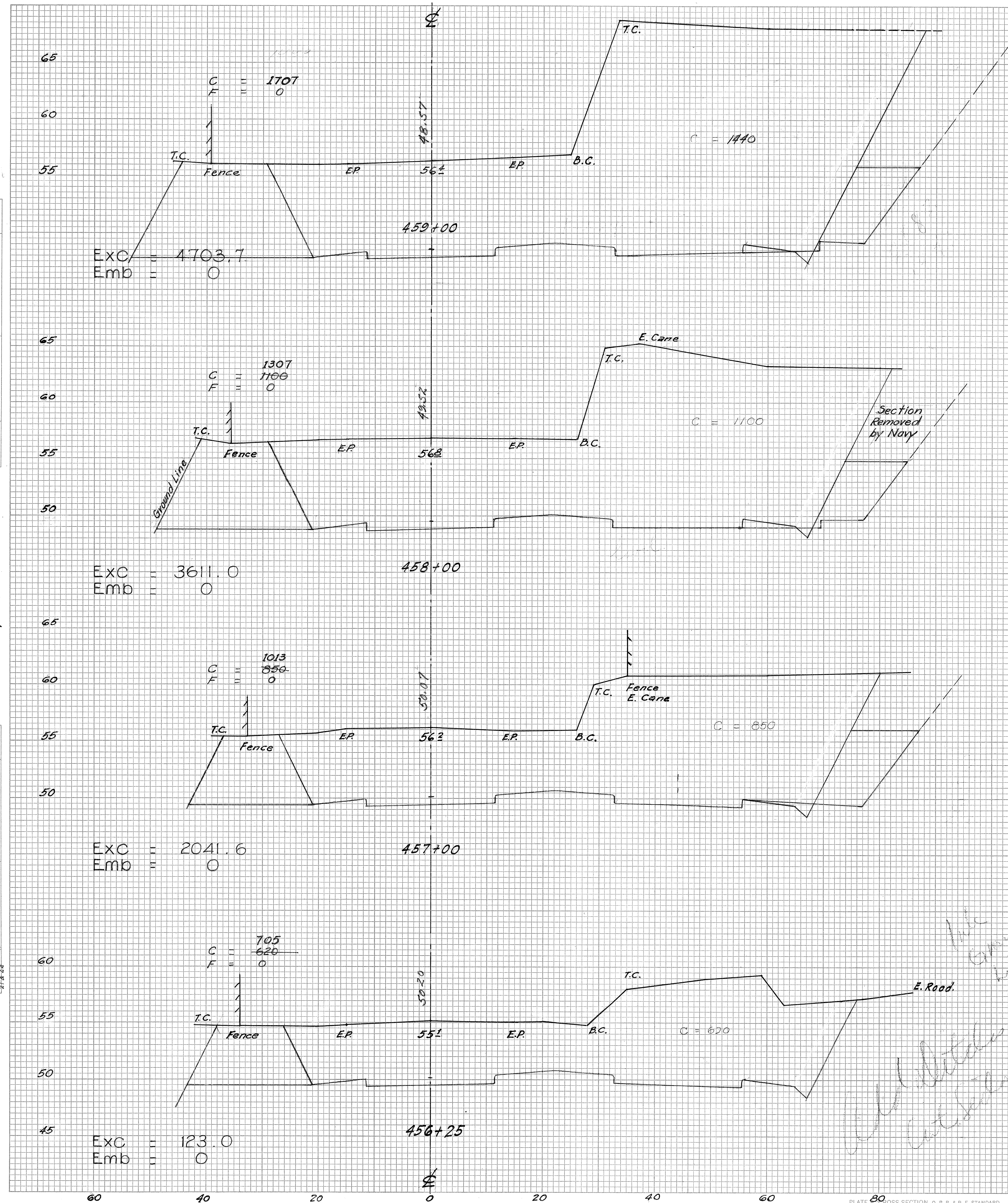
5151.73A



FINAL SURVEY  
NO. 1  
SHEET 1  
DATE 3/1/45  
BY L.H. M.D.  
SURVEYED  
PLOT  
TE  
AREAS  
CHECKED

ORIGINAL SURVEY  
NO. 1  
SHEET 1  
DATE 3/1/45  
BY L.H. M.D.  
SURVEYED  
PLOT  
TE  
AREAS  
CHECKED

As of May 31, 1945



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | DA-NR 14-2         | 1945        | 74-A      | 81           |

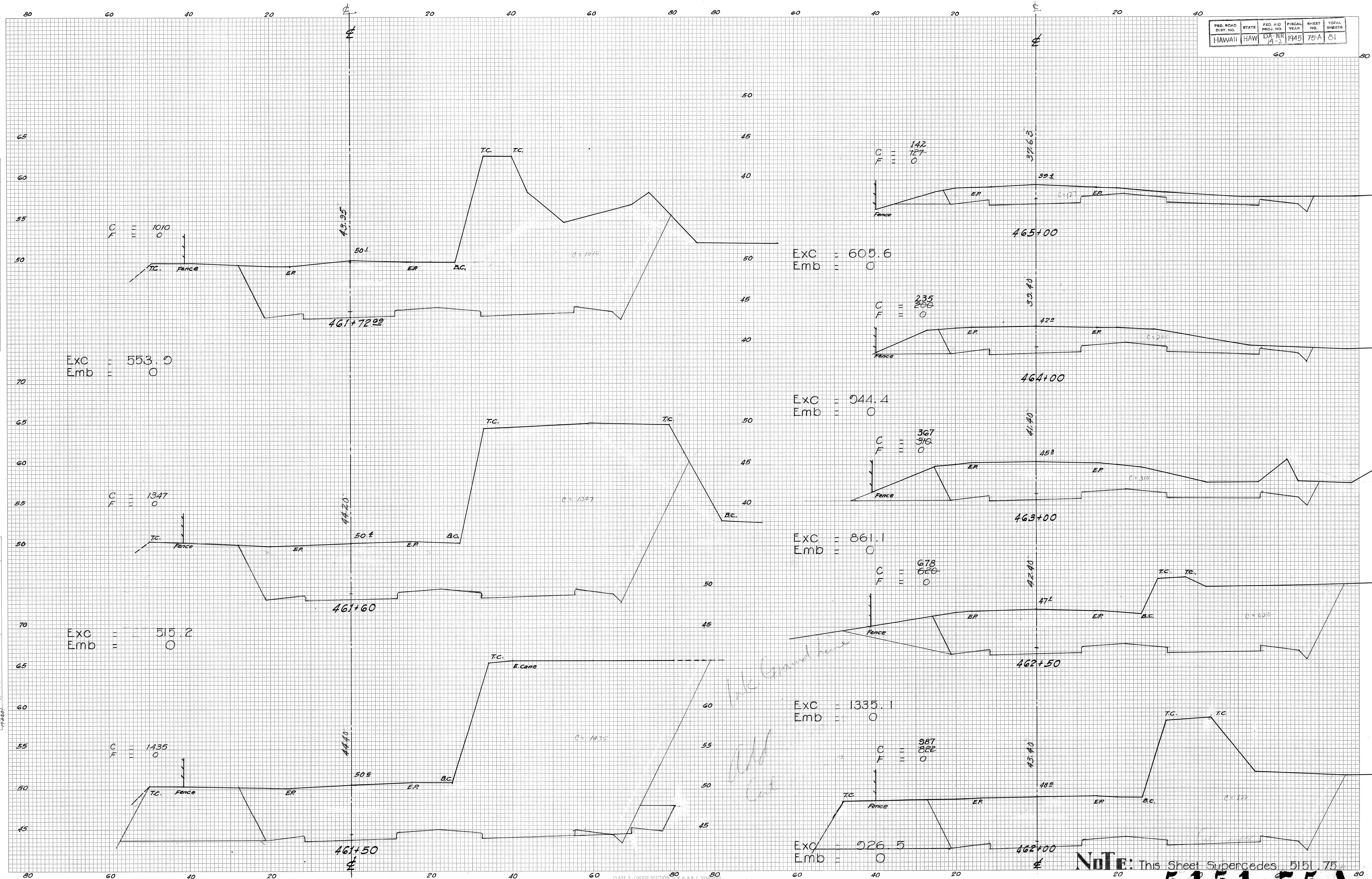


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | DA-NR 14-2         | 1945        | 75-A      | 81           |

| FINAL SURVEY  | DATE |
|---------------|------|
| SURVEYED      |      |
| PLOTTED       |      |
| NOTE BOOK     |      |
| AREAS CHECKED |      |

| ORIGINAL SURVEY | DATE    |
|-----------------|---------|
| SURVEYED        | 5/10/45 |
| PLOTTED         | 5/18/45 |
| NOTE BOOK       |         |
| AREAS CHECKED   |         |

As of May 31, 1945



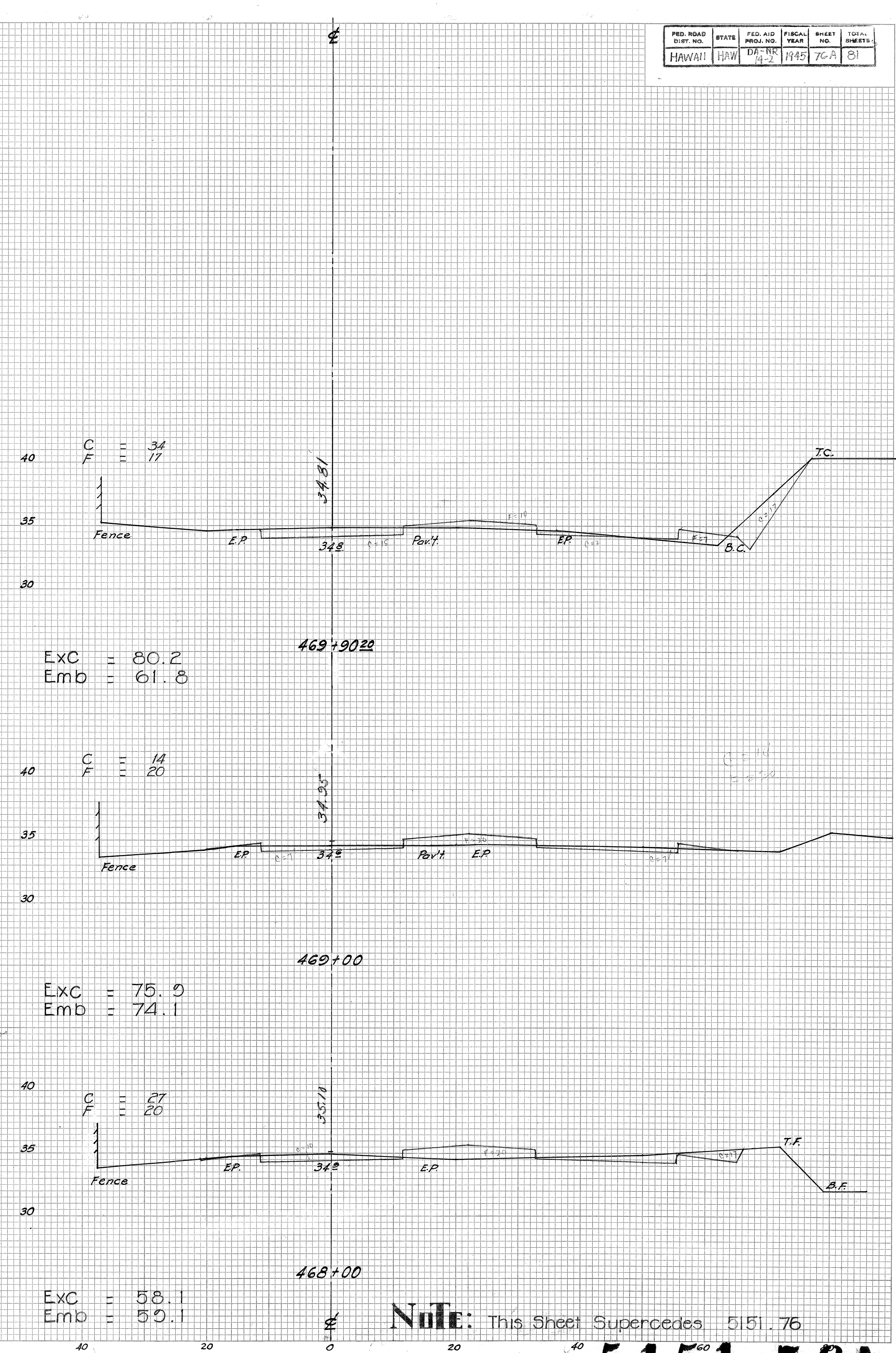
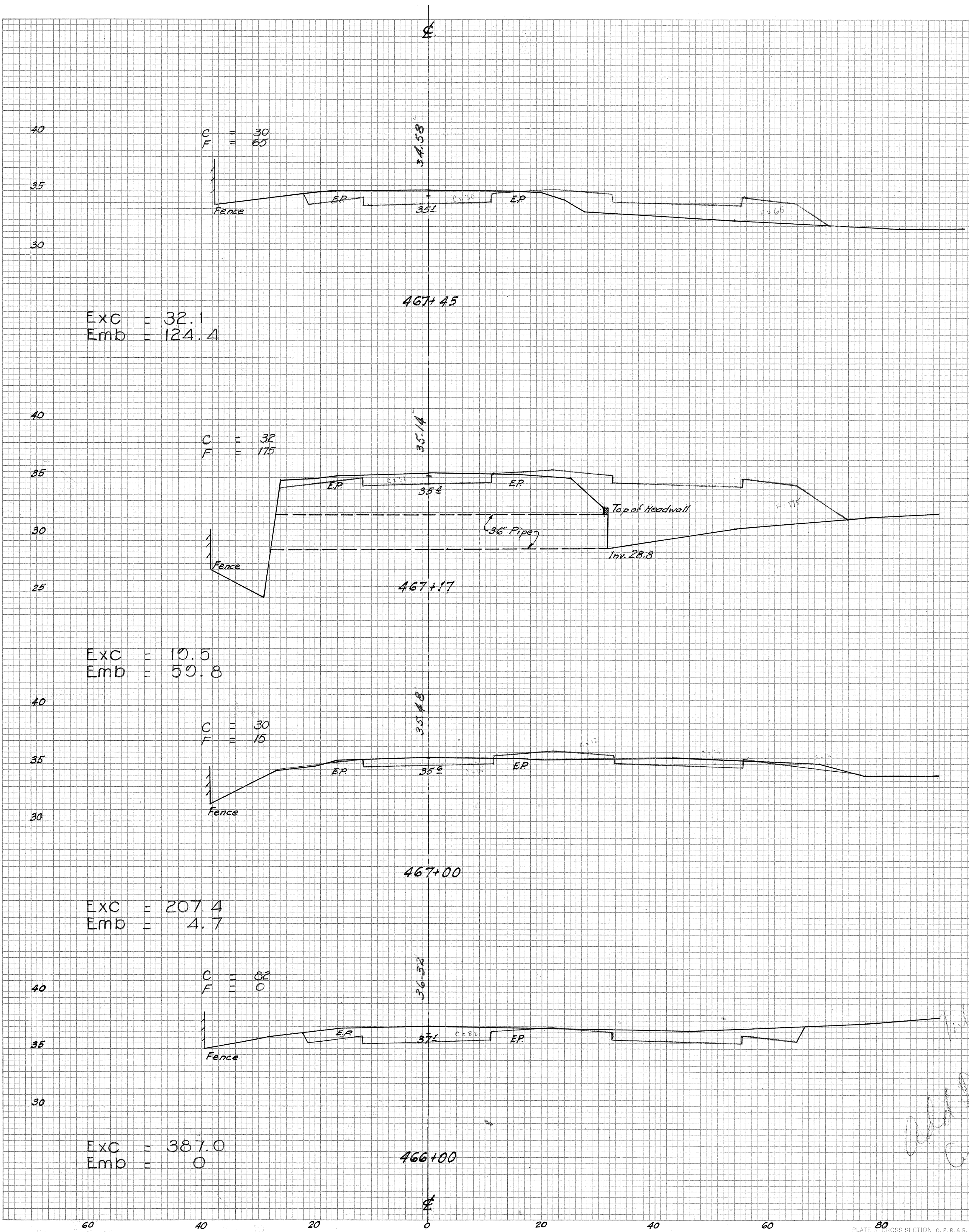
**NOTE:** This Sheet Supercedes 5151.75  
**5151.75A**



FINAL SURVEY  
NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
BY \_\_\_\_\_  
SHEET \_\_\_\_\_  
NOTED BY \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

ORIGINAL SURVEY  
NO. \_\_\_\_\_  
DATE 5/18/45  
BY L.H. W.D.  
SHEET 5/18/45  
NOTED BY \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

As of May 31, 1945



*Take Groundline  
Add Distances  
Cut Sections*

**Note:** This Sheet Supercedes 5151.76

**5151.76A**