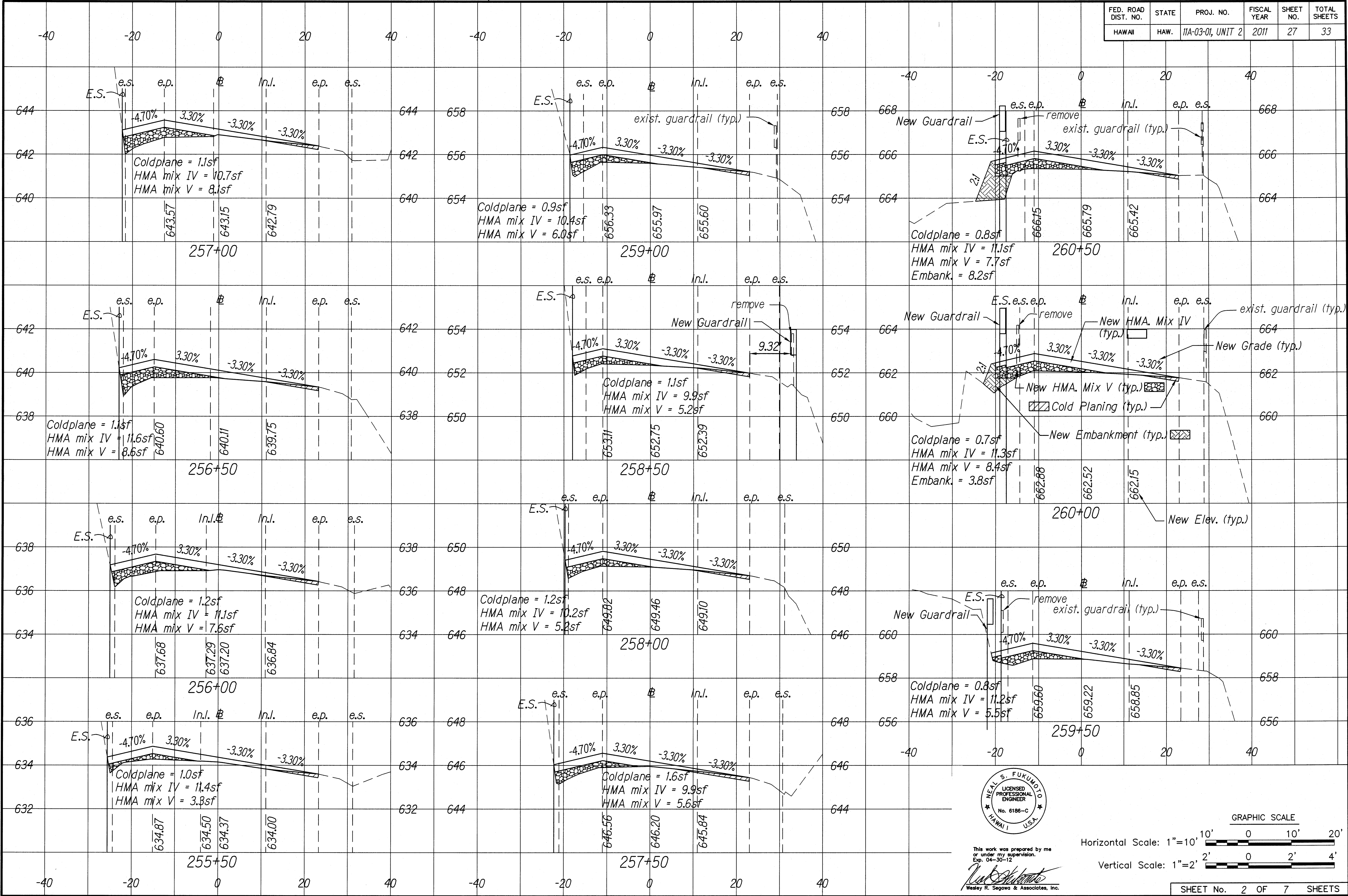
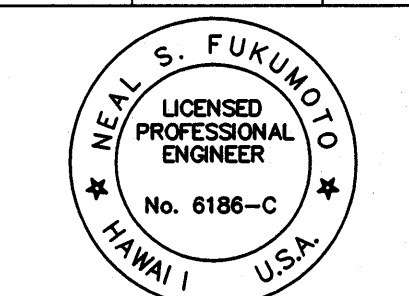




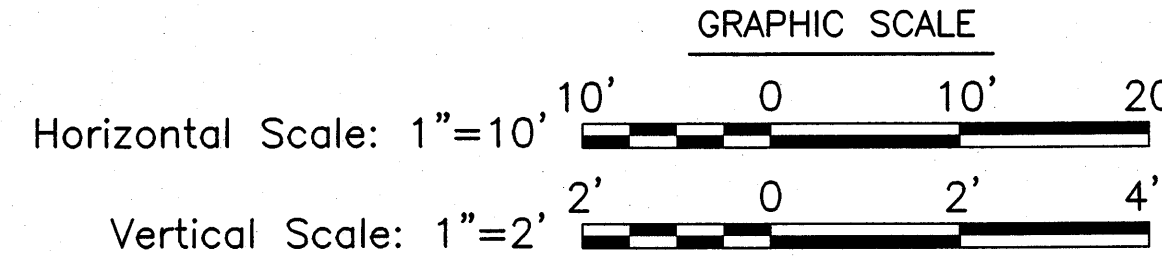
| FED. ROAD DIST. NO. | STATE | PROJ. NO.         | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 11A-03-01, UNIT 2 | 2011        | 27        | 33           |



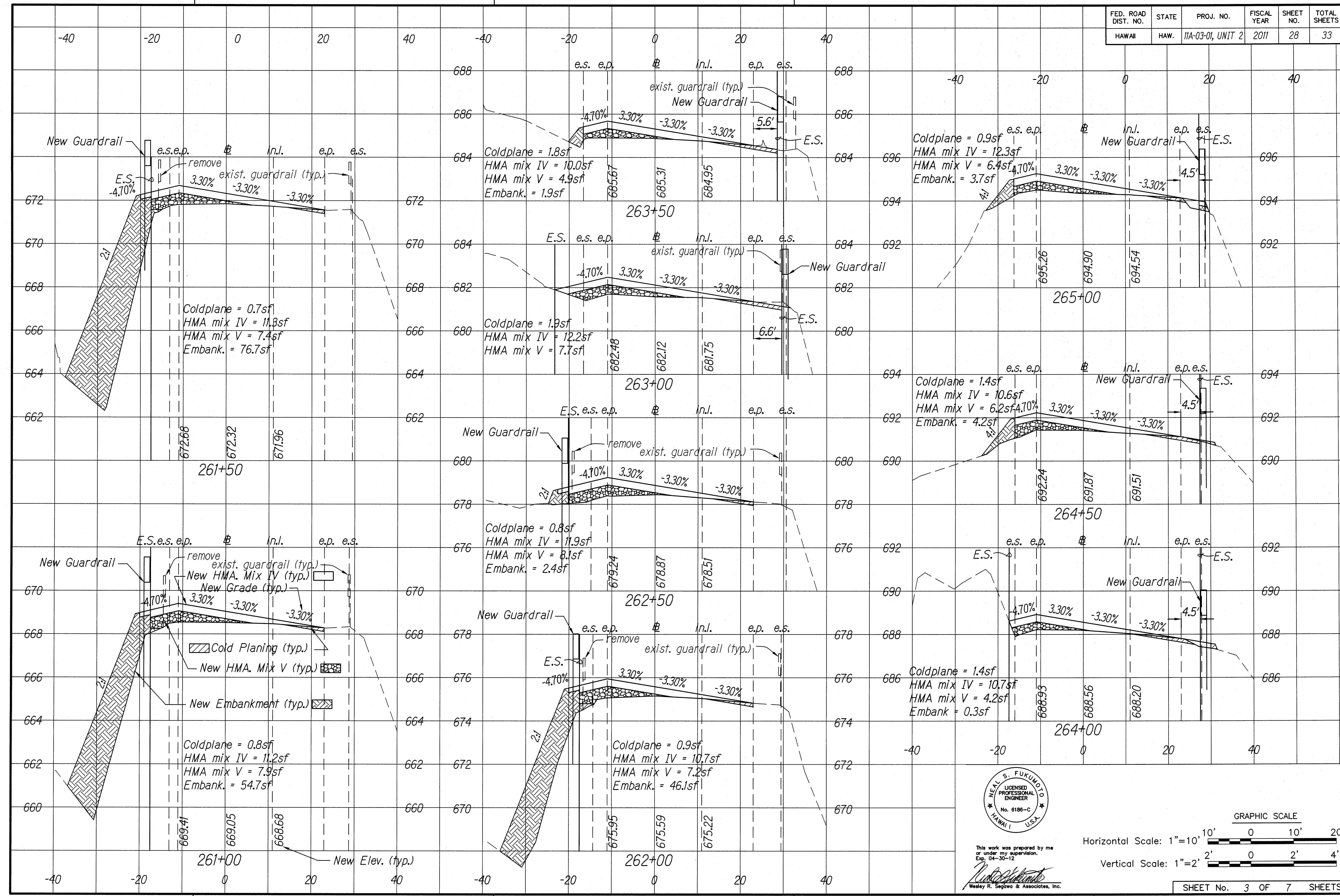
|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DRAWN BY      |      |
| DESIGNED BY   |      |
| QUANTITIES BY |      |
| CHECKED BY    |      |



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*Neal S. Fukumoto*  
Wesley R. Segawa & Associates, Inc.

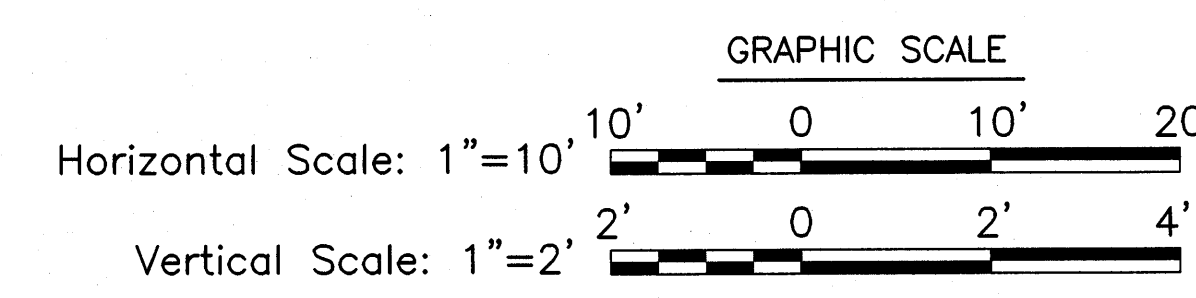


| FED. ROAD DIST. NO. | STATE | PROJ. NO.         | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 11A-03-01, UNIT 2 | 2011        | 28        | 33           |

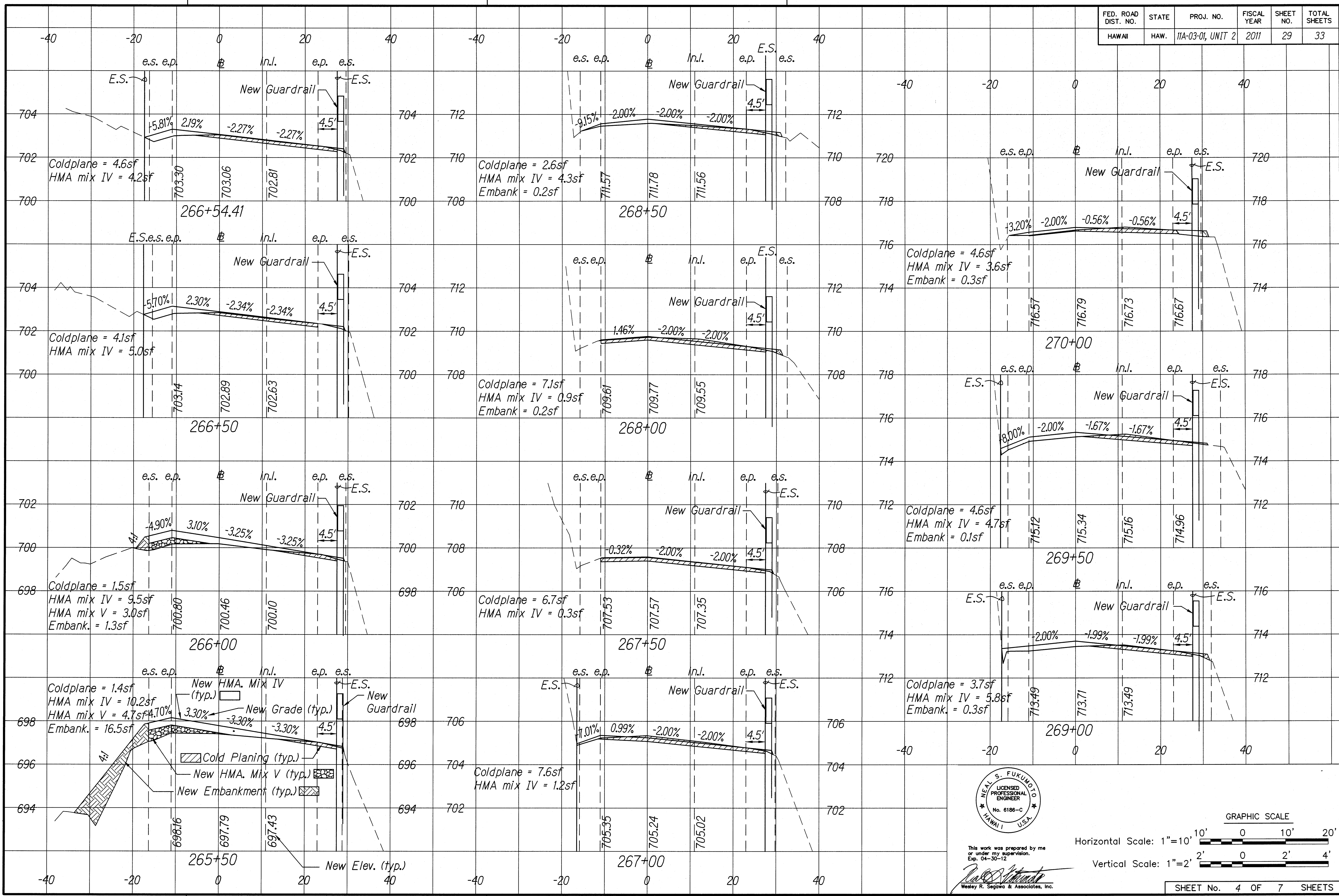


ORIGINAL PLAN  
DATE  
SURVEY PLOTTED BY  
DRAWN BY  
DESIGNED BY  
NOTE BOOK  
CHECKED BY

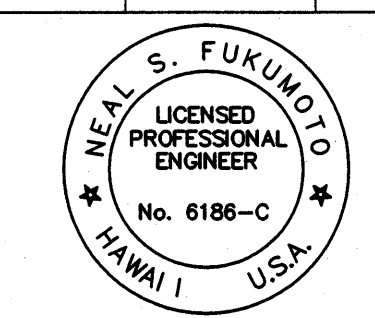
NEAL S. FUKUNAGA  
LICENSED PROFESSIONAL ENGINEER  
No. 6186-C  
HAWAII, U.S.A.  
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Exp. 04-30-12  
Wesley R. Segawa & Associates, Inc.



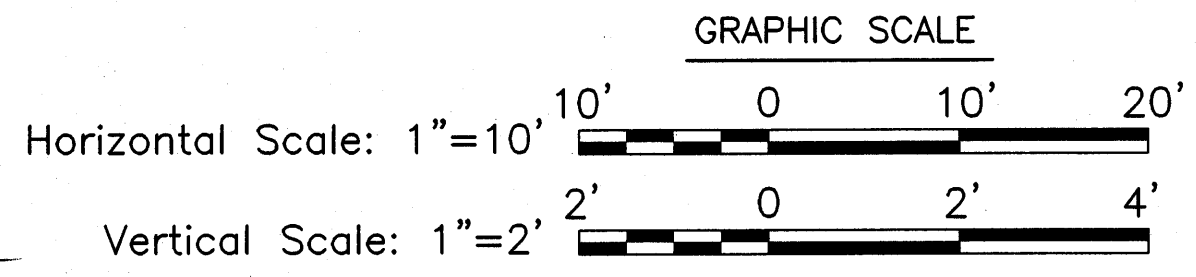
| FED. ROAD DIST. NO. | STATE | PROJ. NO.         | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 11A-03-01, UNIT 2 | 2011        | 29        | 33           |

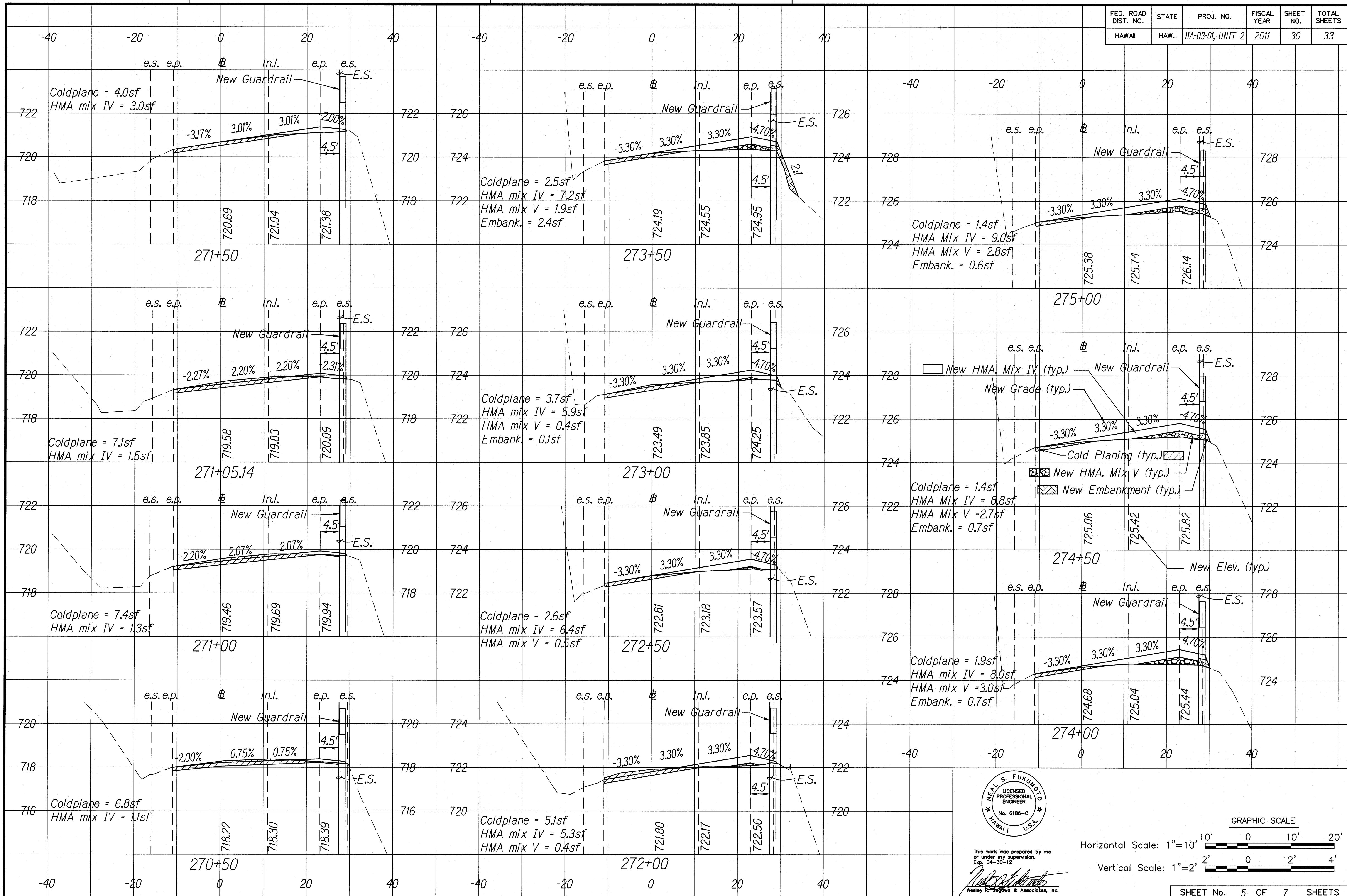


|                   |       |
|-------------------|-------|
| SURVEY PLOTTED BY | DATE  |
| DRAWN BY          | ..... |
| TRACED BY         | ..... |
| DESIGNED BY       | ..... |
| QUANTITIES BY     | ..... |
| CHECKED BY        | ..... |

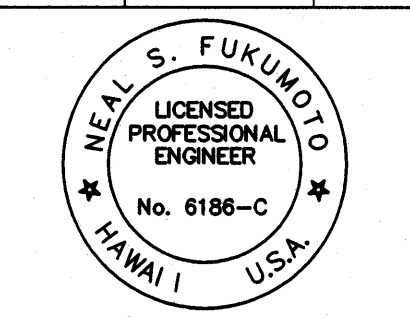


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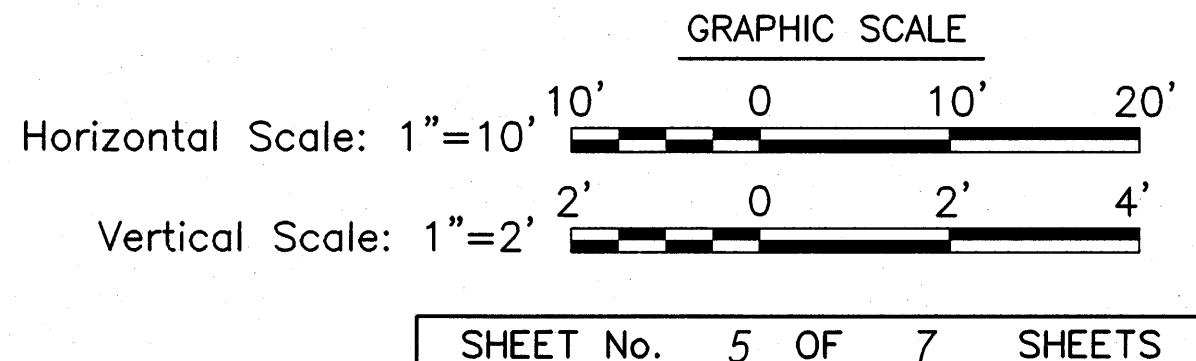




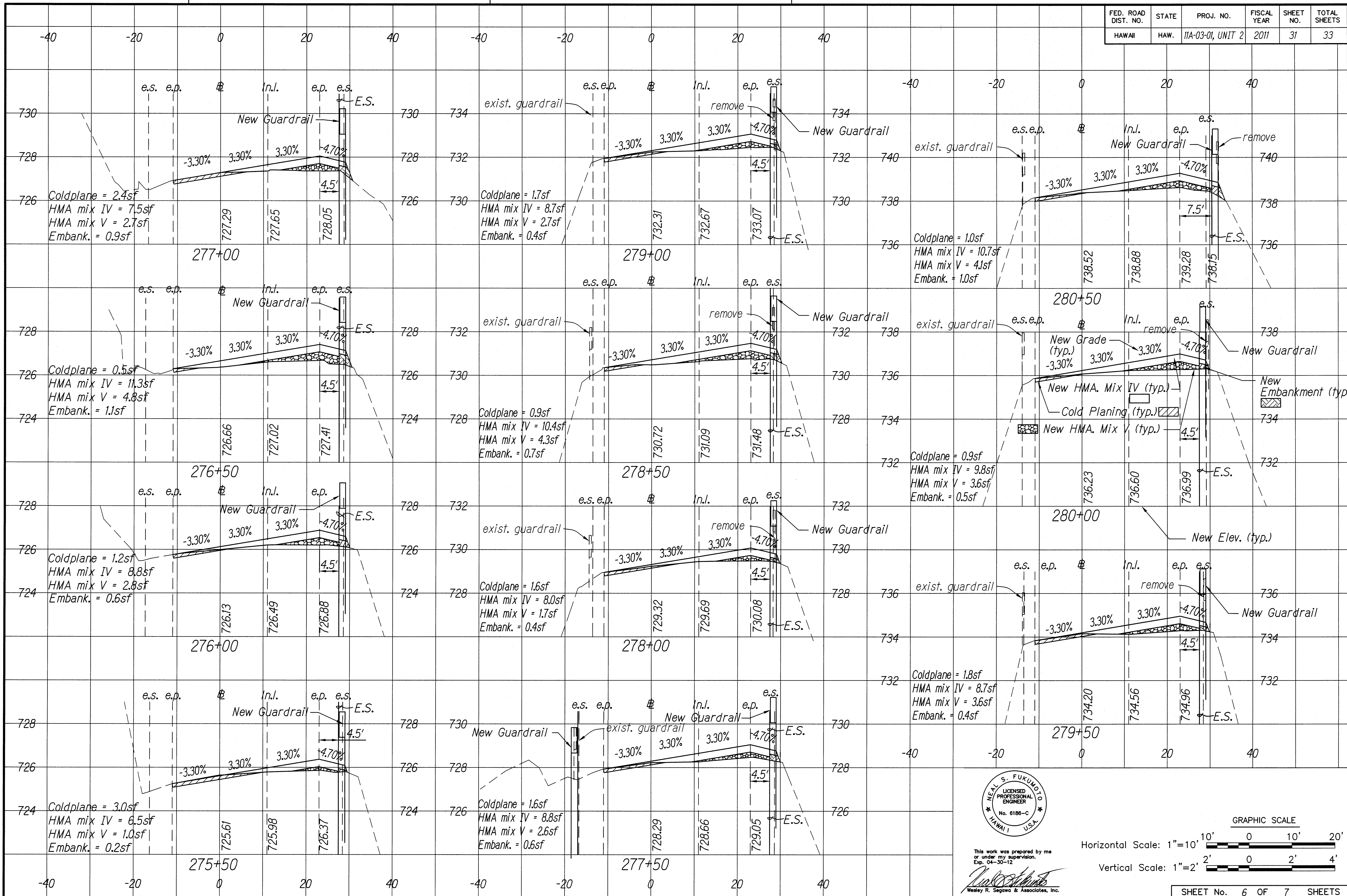
ORIGINAL PLAN  
DATE  
SURVEY PLOTTED BY  
DRAWN BY  
CHECKED BY  
DESIGNED BY  
NOTED BY  
QUANTITIES BY



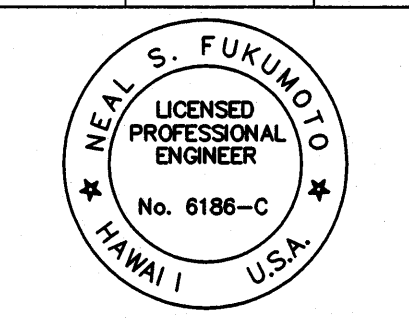
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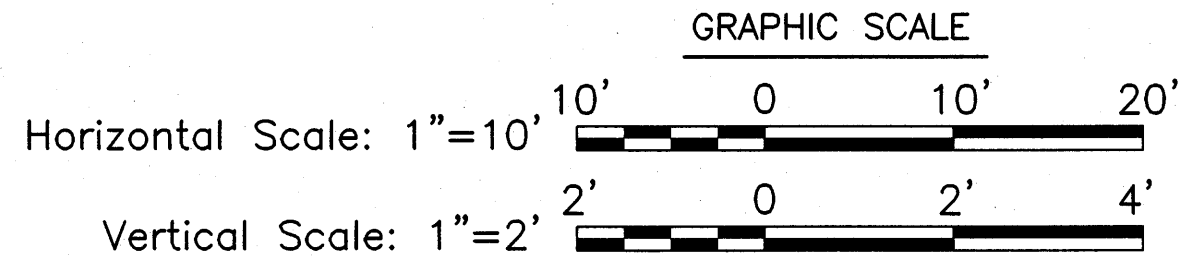
| FED. ROAD DIST. NO. | STATE | PROJ. NO.         | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 11A-03-01, UNIT 2 | 2011        | 31        | 33           |



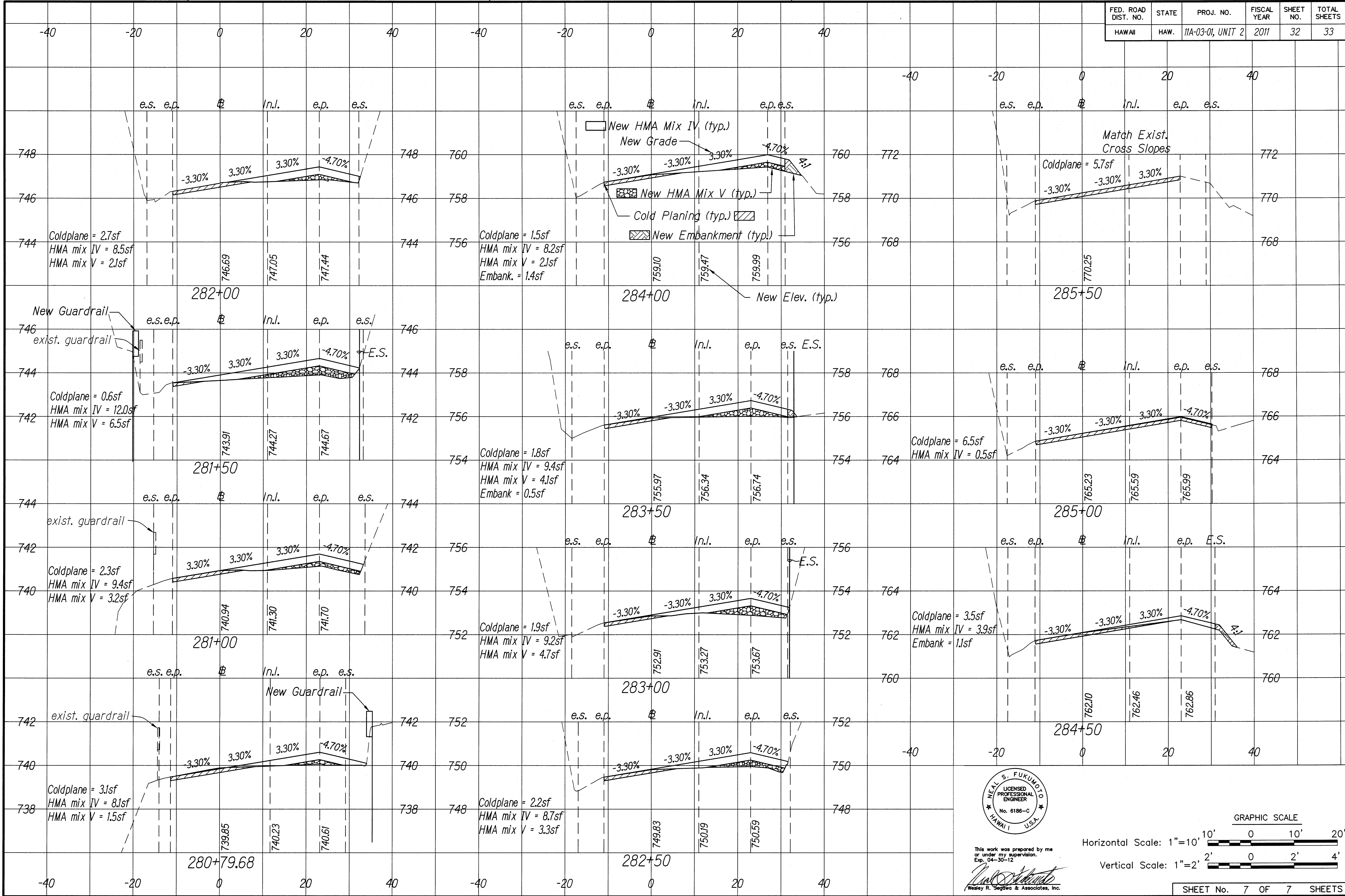
SURVEY PLOTTED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



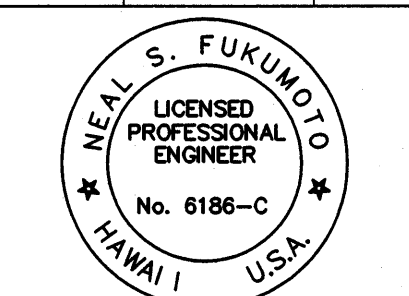
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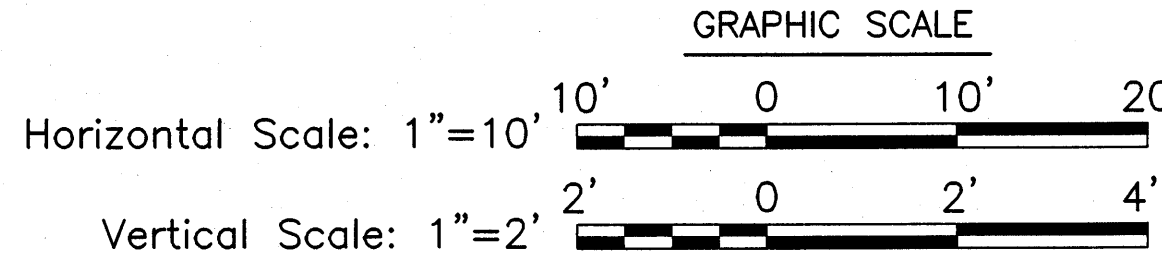
| FED. ROAD DIST. NO. | STATE | PROJ. NO.         | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 11A-03-01, UNIT 2 | 2011        | 32        | 33           |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |



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| FED. ROAD DIST. NO. | STATE | PROJ. NO.         | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 11A-03-01, UNIT 2 | 2011        | ADD. 33   | 33           |

| Coldplane |           |             |
|-----------|-----------|-------------|
| STATION   | AREA (sf) | VOLUME (cy) |
| 250+50    | 0.0       | 0.00        |
| 251+00    | 7.7       | 12.59       |
| 251+50    | 5.9       | 9.91        |
| 252+00    | 4.8       | 11.48       |
| 252+50    | 7.6       | 8.80        |
| 253+00    | 1.9       | 3.52        |
| 253+50    | 1.9       | 4.35        |
| 254+00    | 2.8       | 3.61        |
| 254+50    | 1.1       | 3.06        |
| 255+00    | 2.2       | 2.96        |
| 255+50    | 1.0       | 2.04        |
| 256+00    | 1.2       | 2.13        |
| 256+50    | 1.1       | 2.04        |
| 257+00    | 1.1       | 2.50        |
| 257+50    | 1.6       | 2.59        |
| 258+00    | 1.2       | 2.13        |
| 258+50    | 1.1       | 1.85        |
| 259+00    | 0.9       | 1.57        |
| 259+50    | 0.8       | 1.39        |
| 260+00    | 0.7       | 1.39        |
| 260+50    | 0.8       | 1.48        |
| 261+00    | 0.8       | 1.39        |
| 261+50    | 0.7       | 1.48        |
| 262+00    | 0.9       | 1.57        |
| 262+50    | 0.8       | 2.50        |
| 263+00    | 1.9       | 3.43        |
| 263+50    | 1.8       | 2.96        |
| 264+00    | 1.4       | 2.59        |
| 264+50    | 1.4       | 2.13        |
| 265+00    | 0.9       | 2.13        |
| 265+50    | 1.4       | 2.69        |
| 266+00    | 1.5       | 5.19        |
| 266+50    | 4.1       | 10.83       |
| 267+00    | 7.6       | 13.24       |
| 267+50    | 6.7       | 12.78       |

| Coldplane |           |             |
|-----------|-----------|-------------|
| STATION   | AREA (sf) | VOLUME (cy) |
| 268+00    | 7.1       | 8.98        |
| 268+50    | 2.6       | 5.83        |
| 269+00    | 3.7       | 7.69        |
| 269+50    | 4.6       | 8.52        |
| 270+00    | 4.6       | 10.56       |
| 270+50    | 6.8       | 13.15       |
| 271+00    | 7.4       | 10.56       |
| 271+50    | 4.0       | 8.43        |
| 272+00    | 5.1       | 7.13        |
| 272+50    | 2.6       | 5.83        |
| 273+00    | 3.7       | 5.74        |
| 273+50    | 2.5       | 4.07        |
| 274+00    | 1.9       | 3.06        |
| 274+50    | 1.4       | 2.59        |
| 275+00    | 1.4       | 4.07        |
| 275+50    | 3.0       | 3.89        |
| 276+00    | 1.2       | 1.57        |
| 276+50    | 0.5       | 2.69        |
| 277+00    | 2.4       | 3.70        |
| 277+50    | 1.6       | 2.96        |
| 278+00    | 1.6       | 2.31        |
| 278+50    | 0.9       | 2.41        |
| 279+00    | 1.7       | 3.24        |
| 279+50    | 1.8       | 2.50        |
| 280+00    | 0.9       | 1.76        |
| 280+50    | 1.0       | 3.06        |
| 281+00    | 2.3       | 2.69        |
| 281+50    | 0.6       | 3.06        |
| 282+00    | 2.7       | 4.54        |
| 282+50    | 2.2       | 3.80        |
| 283+00    | 1.9       | 3.43        |
| 283+50    | 1.8       | 3.06        |
| 284+00    | 1.5       | 4.63        |
| 284+50    | 3.5       | 9.26        |
| 285+00    | 6.5       | 11.30       |
| 285+50    | 5.7       |             |

Volume = 328.33cy

| HMA Mix IV |           |             |
|------------|-----------|-------------|
| STATION    | AREA (sf) | VOLUME (cy) |
| 250+50     | 0.0       | 0.00        |
| 251+00     | 0.0       | 3.24        |
| 251+50     | 3.5       | 9.91        |
| 252+00     | 7.2       | 11.94       |
| 252+50     | 5.7       | 14.54       |
| 253+00     | 10.0      | 20.65       |
| 253+50     | 12.3      | 21.39       |
| 254+00     | 10.8      | 23.33       |
| 254+50     | 14.4      | 23.70       |
| 255+00     | 11.2      | 20.93       |
| 255+50     | 11.4      | 20.83       |
| 256+00     | 11.1      | 21.02       |
| 256+50     | 11.6      | 20.65       |
| 257+00     | 10.7      | 19.07       |
| 257+50     | 9.9       | 18.61       |
| 258+00     | 10.2      | 18.61       |
| 258+50     | 9.9       | 18.80       |
| 259+00     | 10.4      | 20.00       |
| 259+50     | 11.2      | 20.83       |
| 260+00     | 11.3      | 20.74       |
| 260+50     | 11.1      | 20.65       |
| 261+00     | 11.2      | 20.83       |
| 261+50     | 11.3      | 20.37       |
| 262+00     | 10.7      | 20.93       |
| 262+50     | 11.9      | 22.31       |
| 263+00     | 12.2      | 20.56       |
| 263+50     | 10.0      | 19.17       |
| 264+00     | 10.7      | 19.72       |
| 264+50     | 10.6      | 21.20       |
| 265+00     | 12.3      | 20.83       |
| 265+50     | 10.2      | 18.24       |
| 266+00     | 9.5       | 13.43       |
| 266+50     | 5.0       | 5.74        |
| 267+00     | 1.2       | 1.39        |
| 267+50     | 0.3       | 1.11        |

Volume = 1046.39cy

| HMA Mix V |           |             |
|-----------|-----------|-------------|
| STATION   | AREA (sf) | VOLUME (cy) |
| 250+50    | 0.0       | 0.00        |
| 251+00    | 0.0       | 0.00        |
| 251+50    | 0.0       | 1.67        |
| 252+00    | 1.8       | 3.43        |
| 252+50    | 1.9       | 4.81        |
| 253+00    | 3.3       | 15.28       |
| 253+50    | 13.2      | 24.17       |
| 254+00    | 12.9      | 21.94       |
| 254+50    | 10.8      | 14.26       |
| 255+00    | 4.6       | 7.31        |
| 255+50    | 3.3       | 10.09       |
| 256+00    | 7.6       | 15.00       |
| 256+50    | 8.6       | 15.46       |
| 257+00    | 8.1       | 12.69       |
| 257+50    | 5.6       | 10.00       |
| 258+00    | 5.2       | 9.63        |
| 258+50    | 5.2       | 10.37       |
| 259+00    | 6.0       | 10.65       |
| 259+50    | 5.5       | 12.87       |
| 260+00    | 8.4       | 14.91       |
| 260+50    | 7.7       | 14.44       |
| 261+00    | 7.9       | 14.17       |
| 261+50    | 7.4       | 13.52       |
| 262+00    | 7.2       | 14.17       |
| 262+50    | 8.1       | 14.63       |
| 263+00    | 7.7       | 11.67       |
| 263+50    | 4.9       | 8.43        |
| 264+00    | 4.2       | 9.63        |
| 264+50    | 6.2       | 11.67       |
| 265+00    | 6.4       | 10.28       |
| 265+50    | 4.7       | 7.13        |
| 266+00    | 3.0       | 2.78        |
| 266+50    | 0.0       | 0.00        |
| 267+00    | 0.0       | 0.00        |
| 267+50    | 0.0       | 0.00        |

Volume = 479.63cy

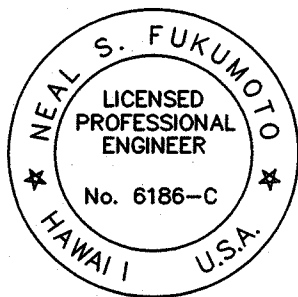
| Embankment |           |             |
|------------|-----------|-------------|
| STATION    | AREA (sf) | VOLUME (cy) |
| 250+50     | 0.0       | 0.00        |
| 251+00     | 0.0       | 0.00        |
| 251+50     | 0.0       | 0.00        |
| 252+00     | 0.0       | 0.00        |
| 252+50     | 0.0       | 0.00        |
| 253+00     | 0.0       | 0.00        |
| 253+50     | 0.0       | 0.00        |
| 254+00     | 0.0       | 0.19        |
| 254+50     | 0.2       | 0.74        |
| 255+00     | 0.6       | 0.56        |
| 255+50     | 0.0       | 0.00        |
| 256+00     | 0.0       | 0.00        |
| 256+50     | 0.0       | 0.00        |
| 257+00     | 0.0       | 0.00        |
| 257+50     | 0.0       | 0.00        |
| 258+00     | 0.0       | 0.00        |
| 258+50     | 0.0       | 0.00        |
| 259+00     | 0.0       | 0.00        |
| 259+50     | 0.0       | 3.52        |
| 260+00     | 3.8       | 11.11       |
| 260+50     | 8.2       | 58.24       |
| 261+00     | 54.7      | 121.67      |
| 261+50     | 76.7      | 113.70      |
| 262+00     | 46.1      | 44.91       |
| 262+50     | 2.4       | 2.22        |
| 263+00     | 0.0       | 1.76        |
| 263+50     | 1.9       | 2.04        |
| 264+00     | 0.3       | 4.17        |
| 264+50     | 4.2       | 7.31        |
| 265+00     | 3.7       | 18.70       |
| 265+50     | 16.5      | 16.48       |
| 266+00     | 1.3       | 1.20        |
| 266+50     | 0.0       | 0.00        |
| 267+00     | 0.0       | 0.00        |
| 267+50     | 0.0       | 0.19        |

Volume = 437.04cy

QUANTITY NOTES:

- Not included on this sheet is the additional HMA Pavement, Mix No. IV to be used for temporary treatment of grade differences during non-working hours as shown on the detail on Sheet 8. That quantity is approximately 80 tons, which is reflected in the quantity shown in the Proposal Schedule.
- Total HMA Mix IV volume shall be the sum of the coldplane volume and HMA Mix IV volume as shown on this sheet plus the approximately 80 tons for the temporary treatment of grade differences during non-working hours as described above.
- See sheet 7 for types of material to be used for embankment.

|               |      |
|---------------|------|
| DESIGNED BY   | DATE |
| DRAWN BY      |      |
| CHECKED BY    |      |
| NOTED BY      |      |
| QUANTITIES BY |      |
| ORIGINAL PLAN |      |



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Exp. 04-30-12

Wesley R. Segawa & Associates, Inc.

|                                                                                                                  |              |
|------------------------------------------------------------------------------------------------------------------|--------------|
| 11/18/10                                                                                                         | Revised Note |
| DATE                                                                                                             | REVISION     |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION                                             |              |
| CROSS SECTION QUANTITIES                                                                                         |              |
| KUAKINI HIGHWAY<br>ROADWAY & DRAINAGE IMPROVEMENTS<br>Vicinity of Kam. III Road<br>Project No. 11A-03-01, Unit 2 |              |
| Date: May 2010                                                                                                   |              |
| SHEET No. 1 OF 1 SHEETS                                                                                          |              |