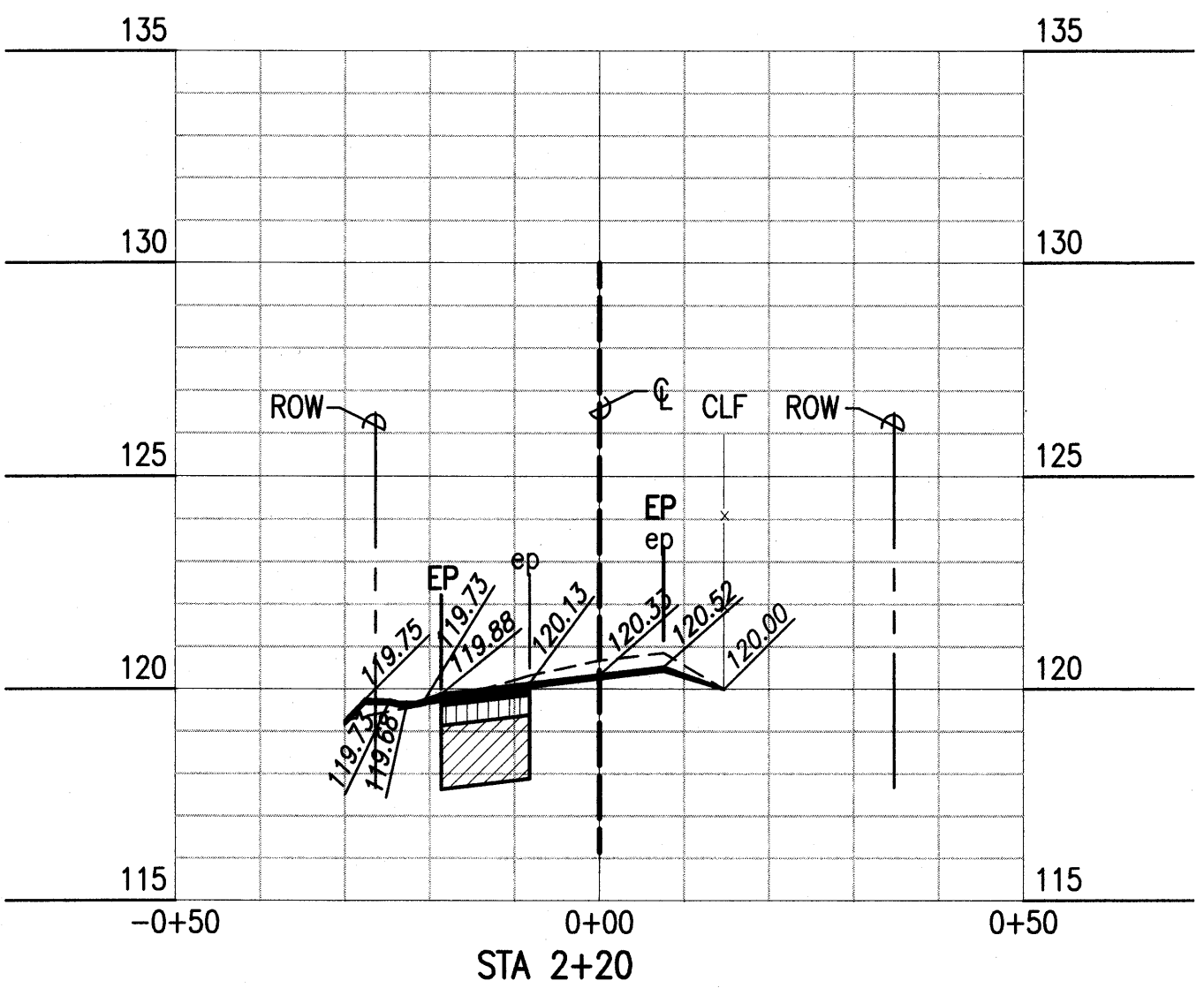
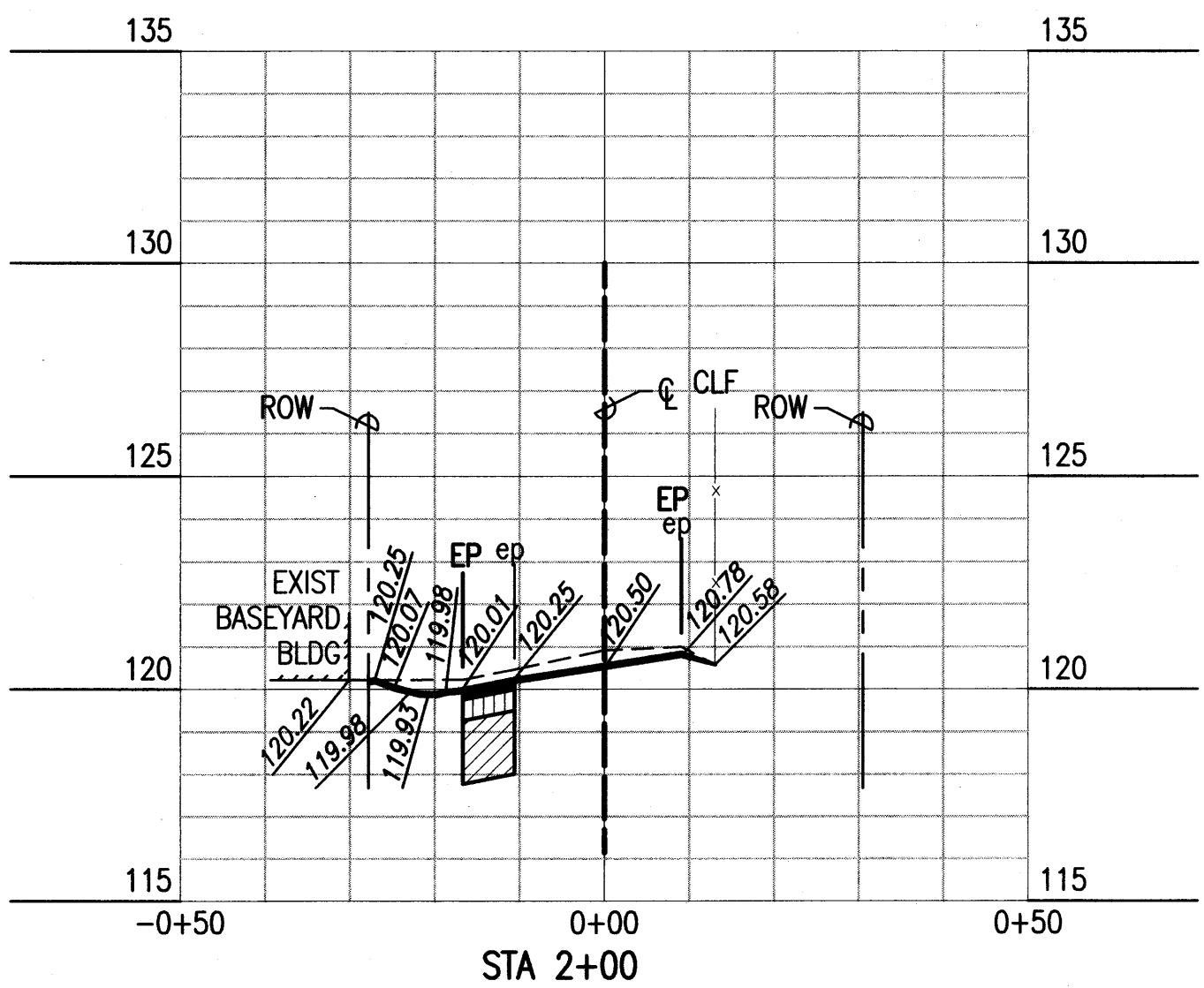
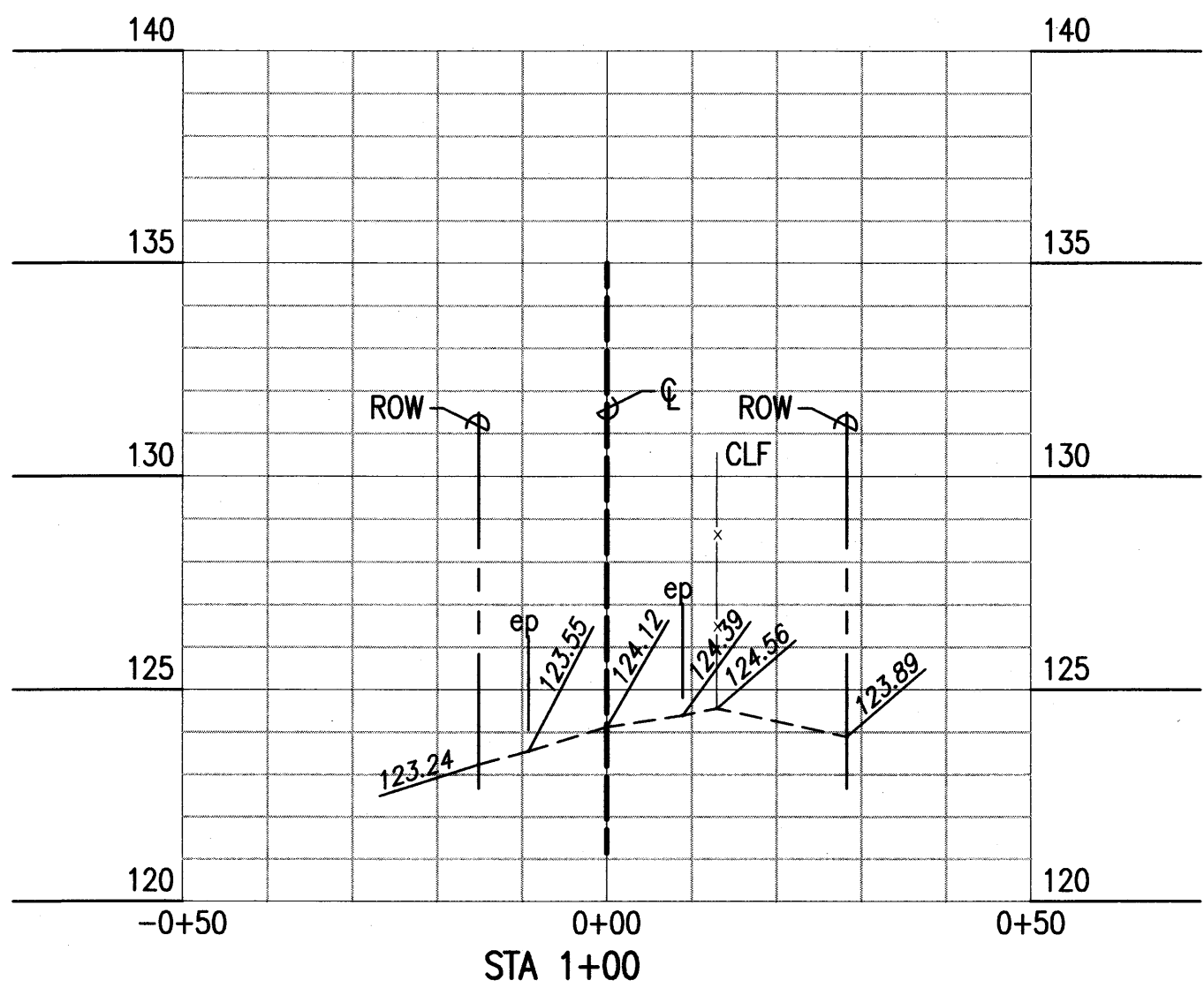
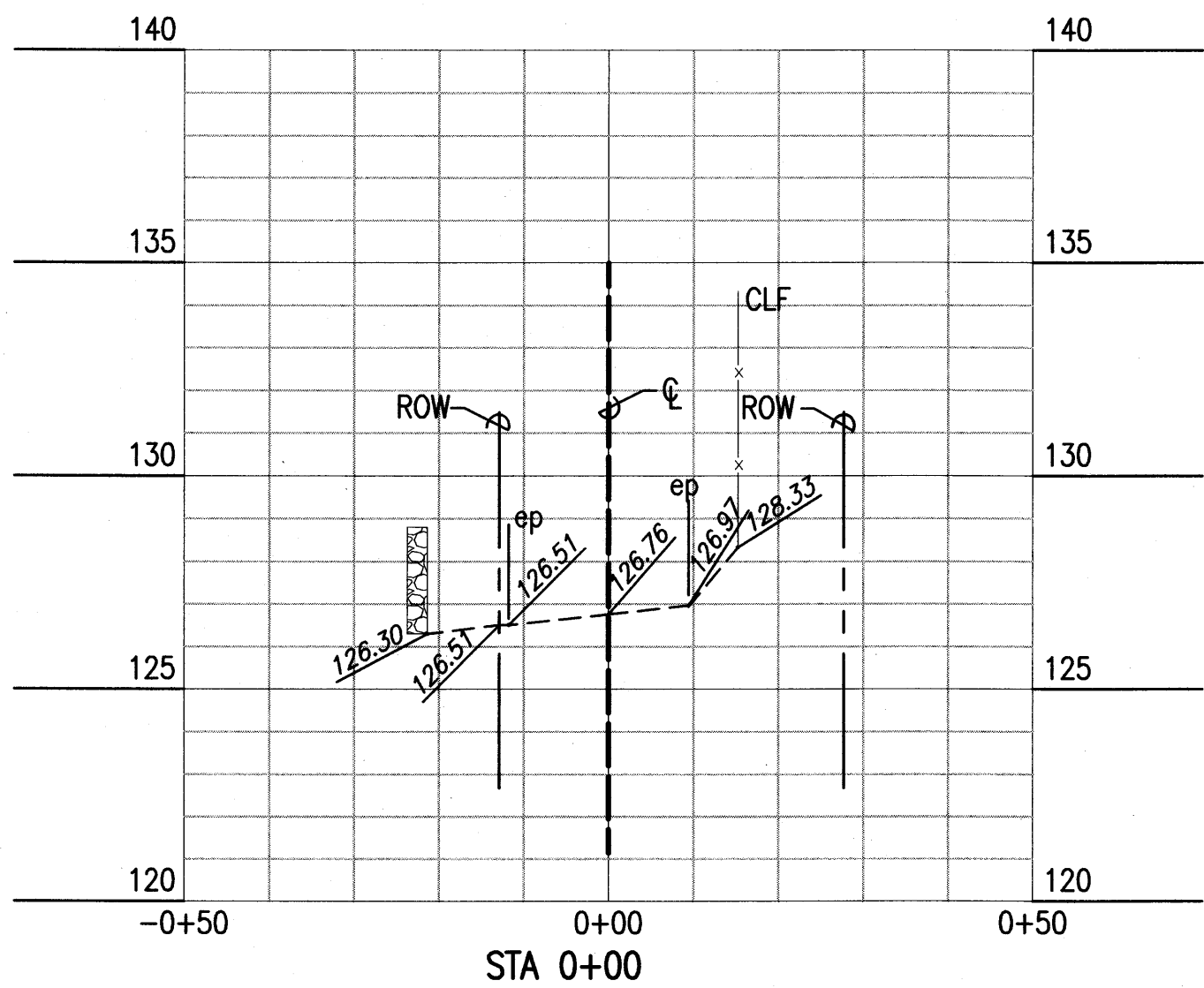
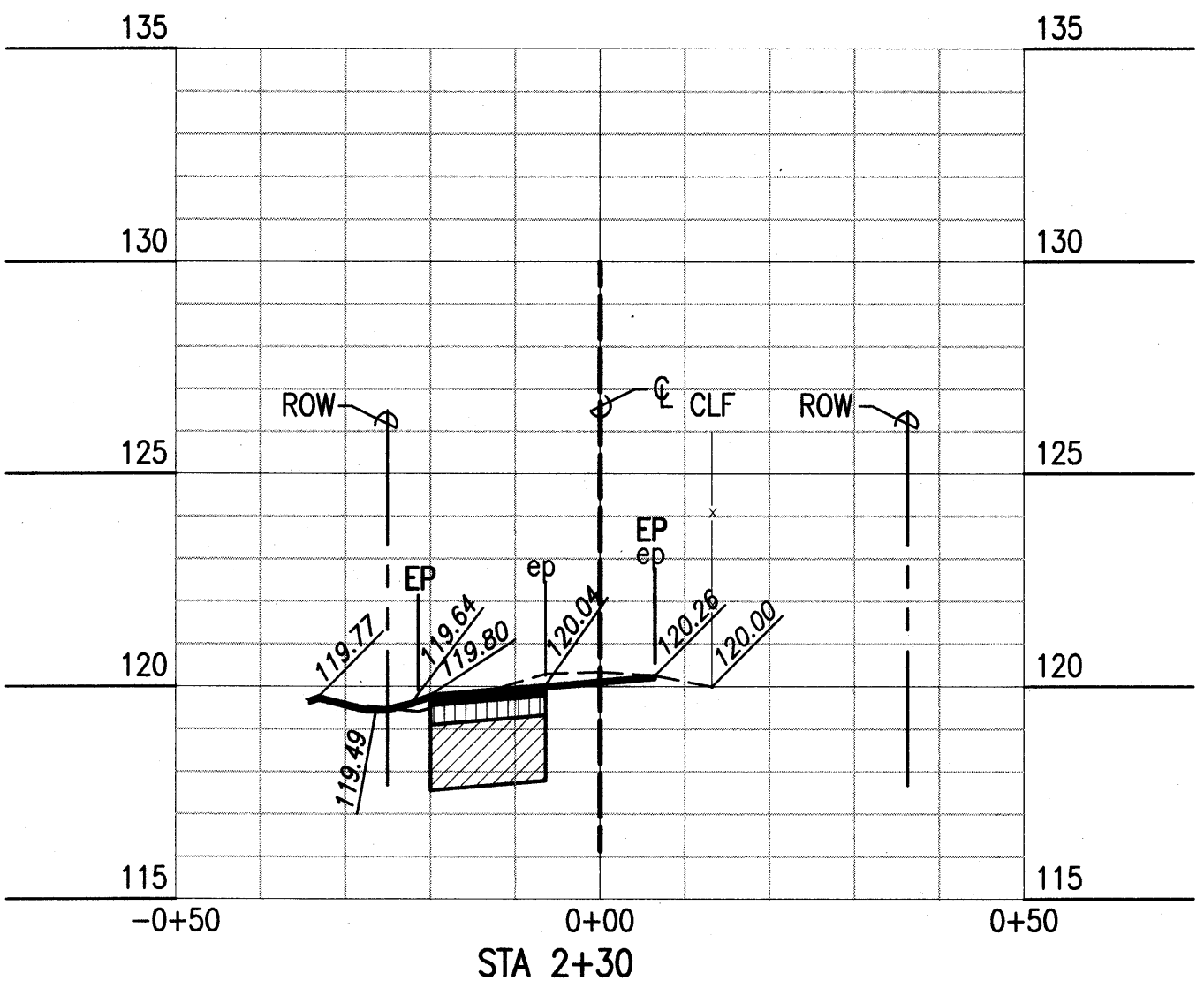
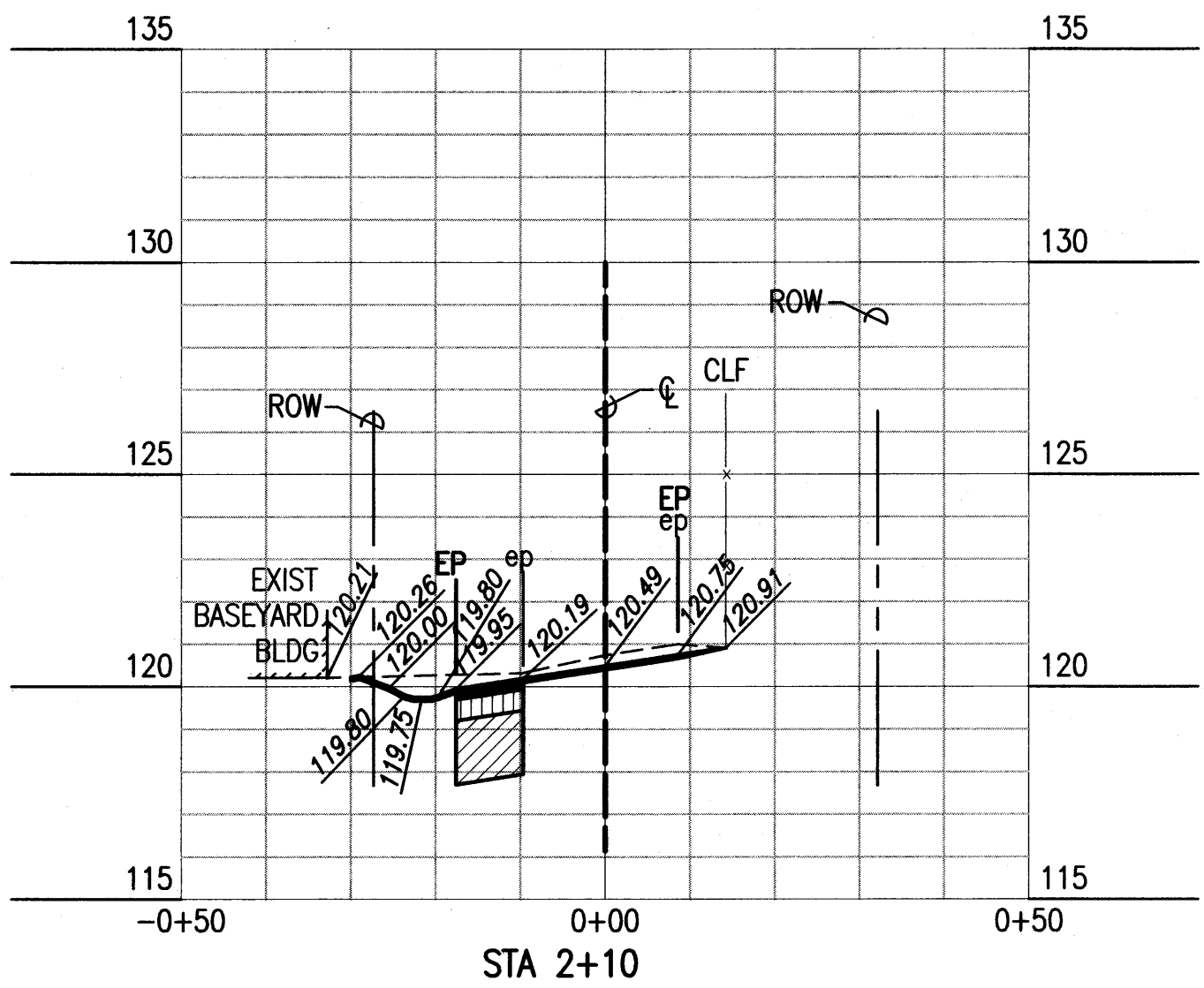
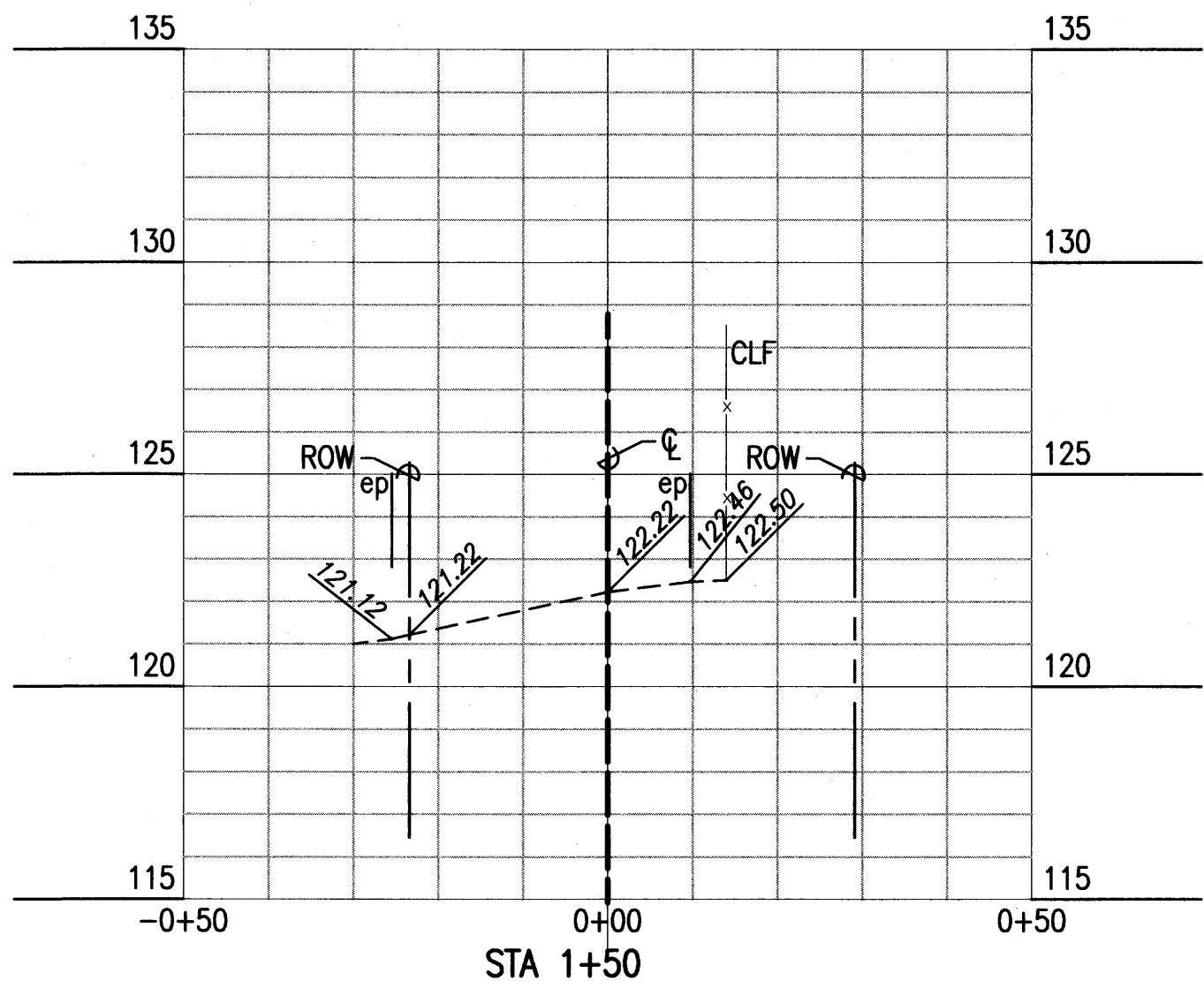
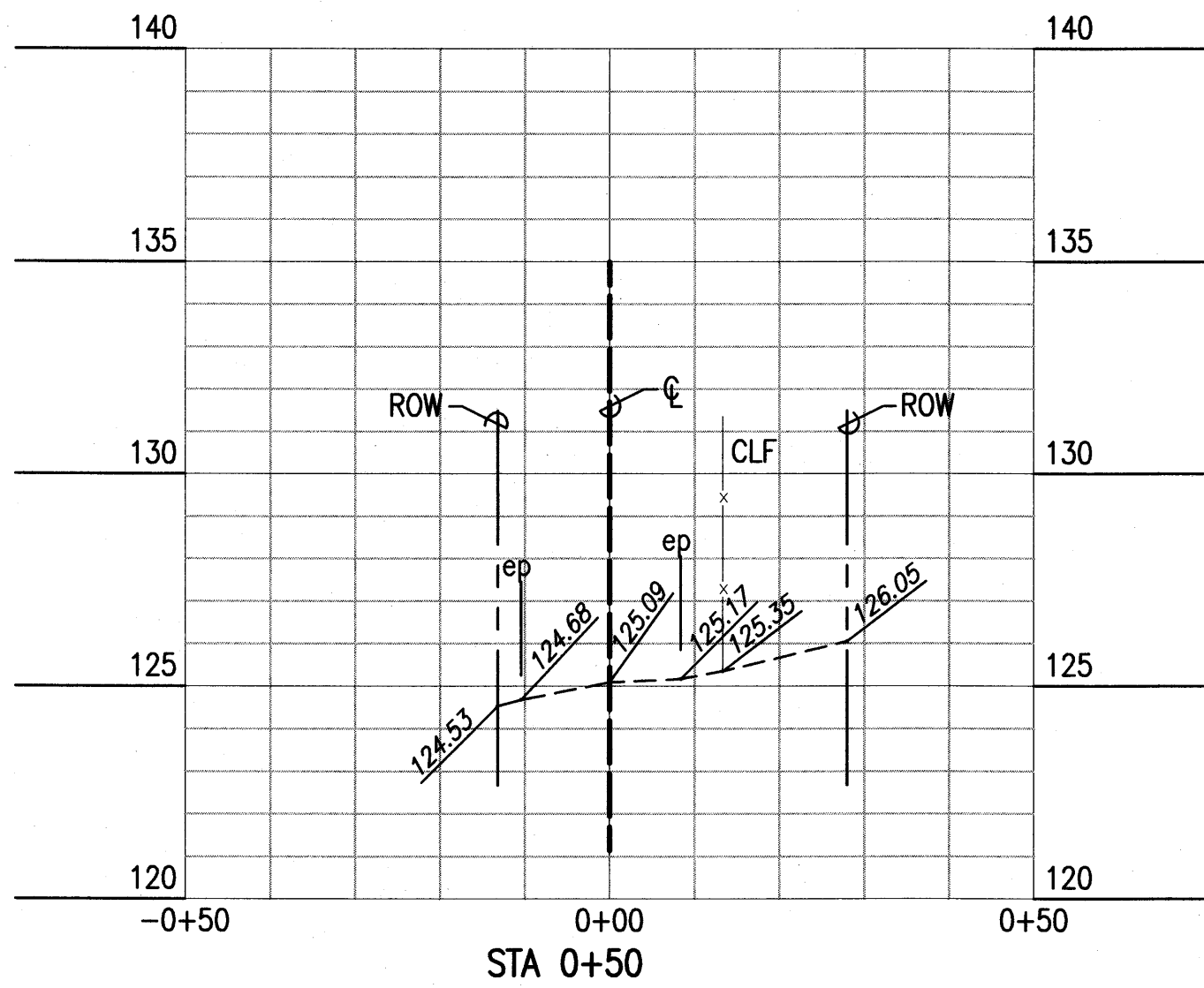
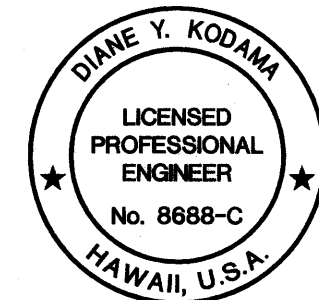
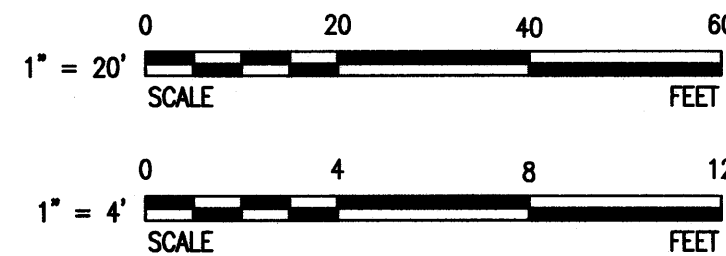


| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 360B-01-03 | 2012        | 9         | 20           |



### Cross Sections - 1

Scales: Horiz: 1" = 20'  
Vert: 1" = 4'



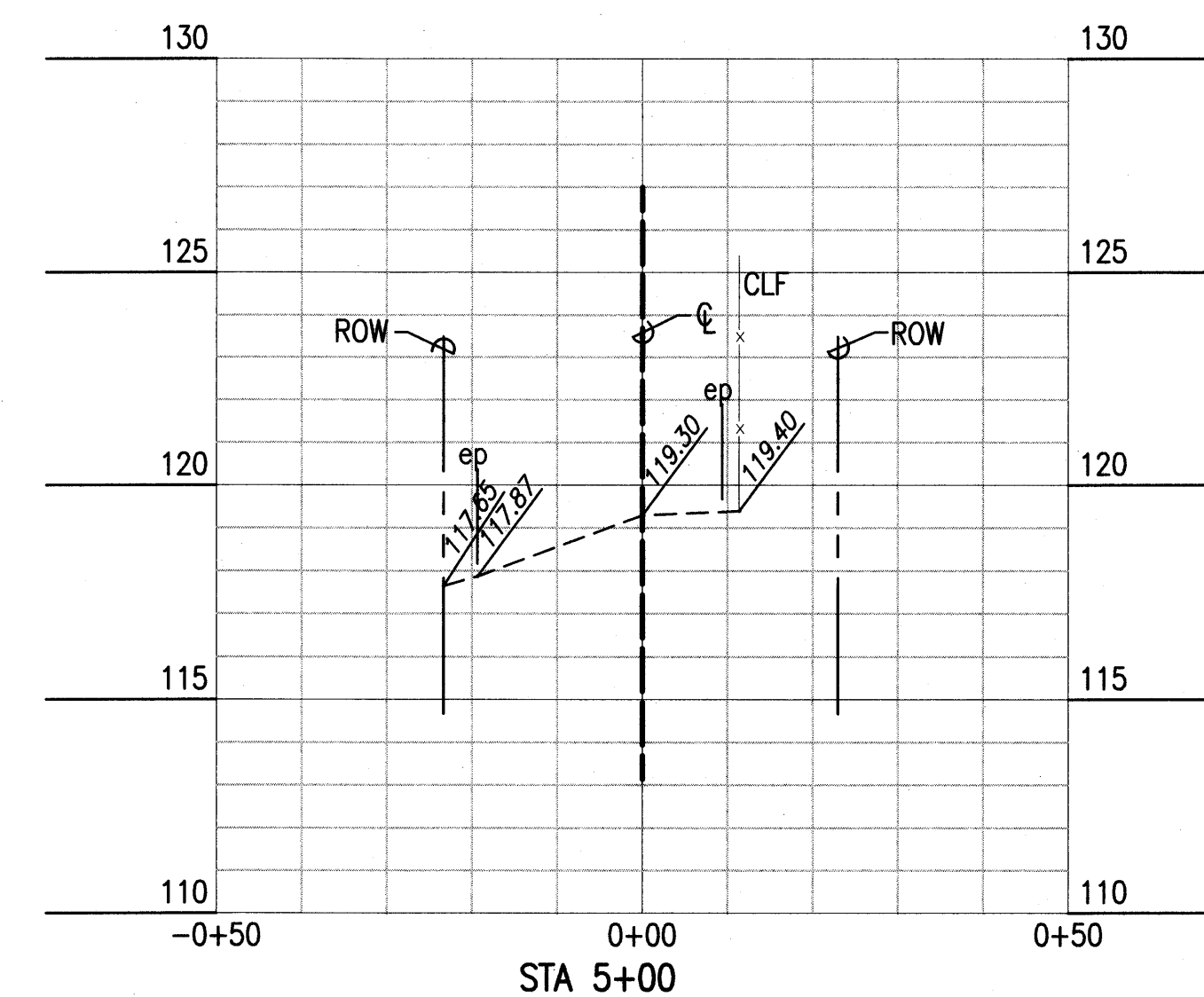
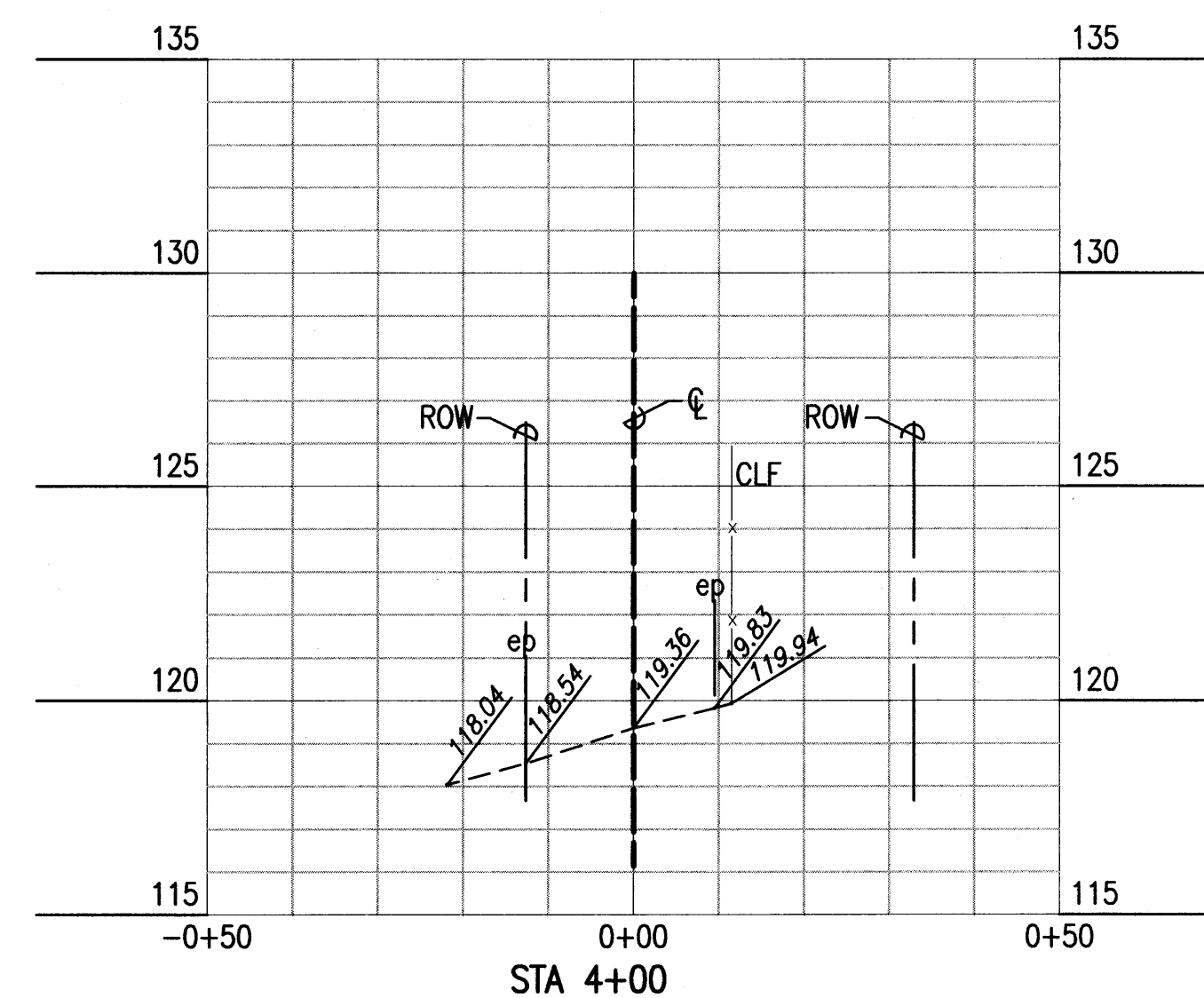
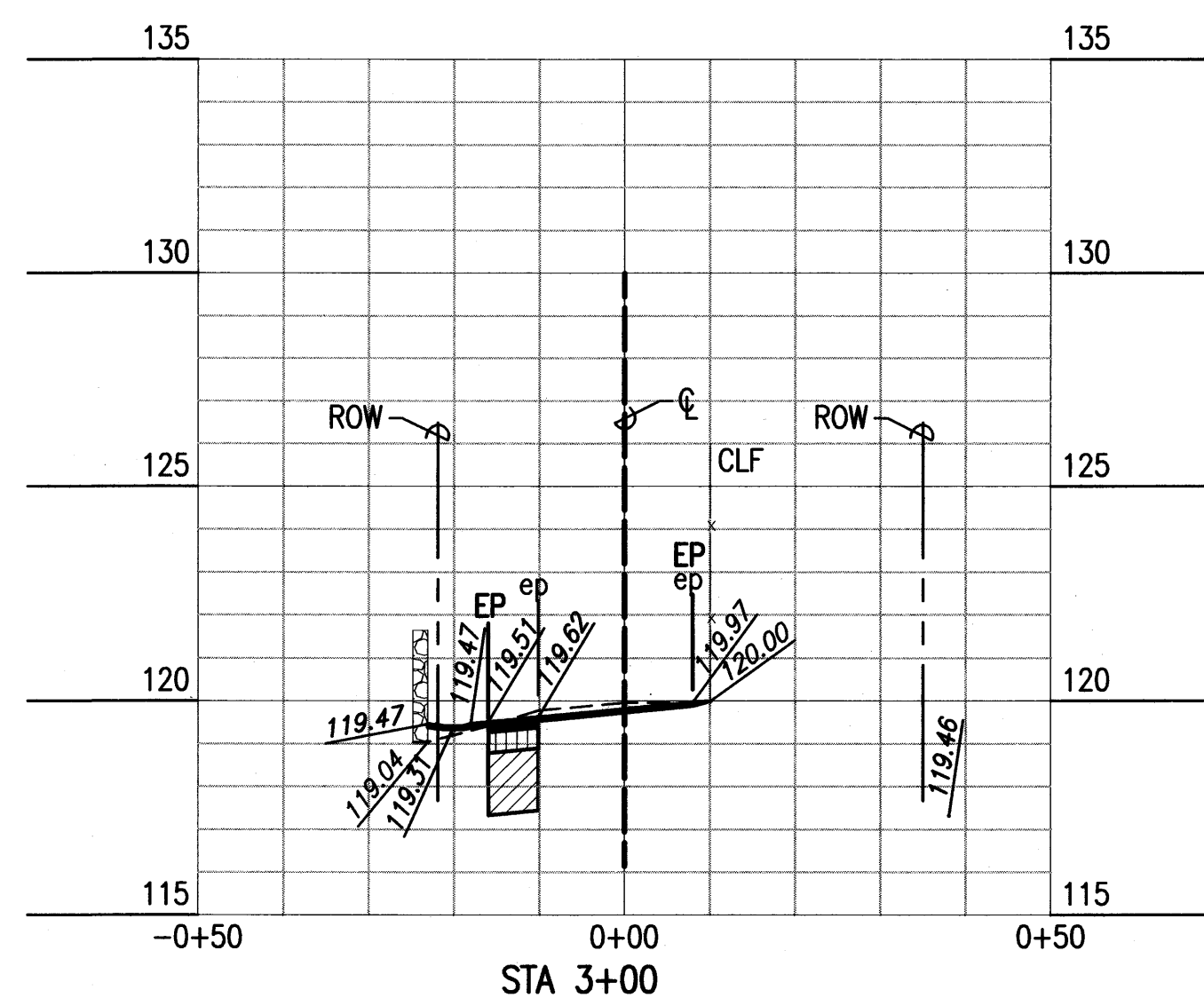
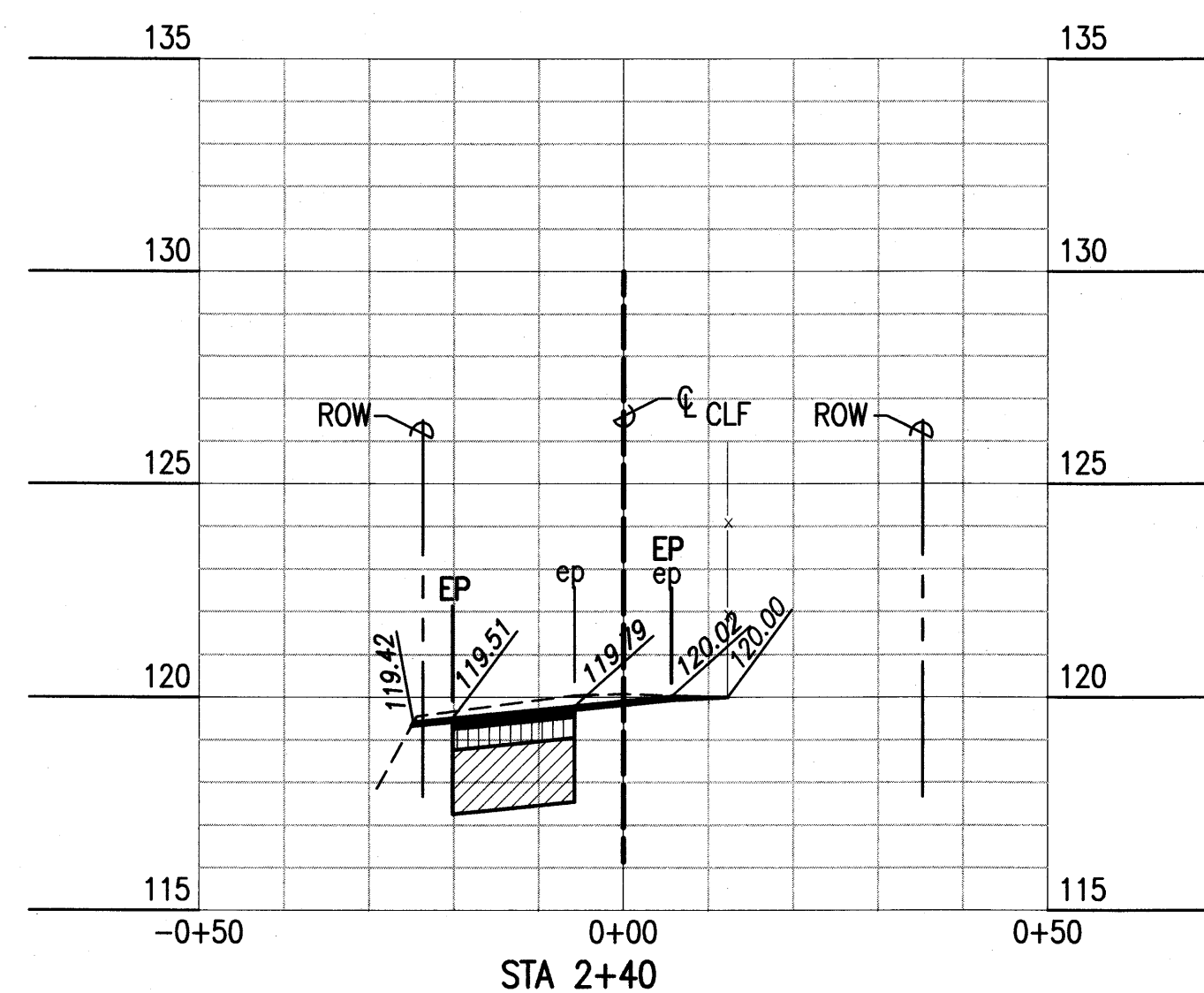
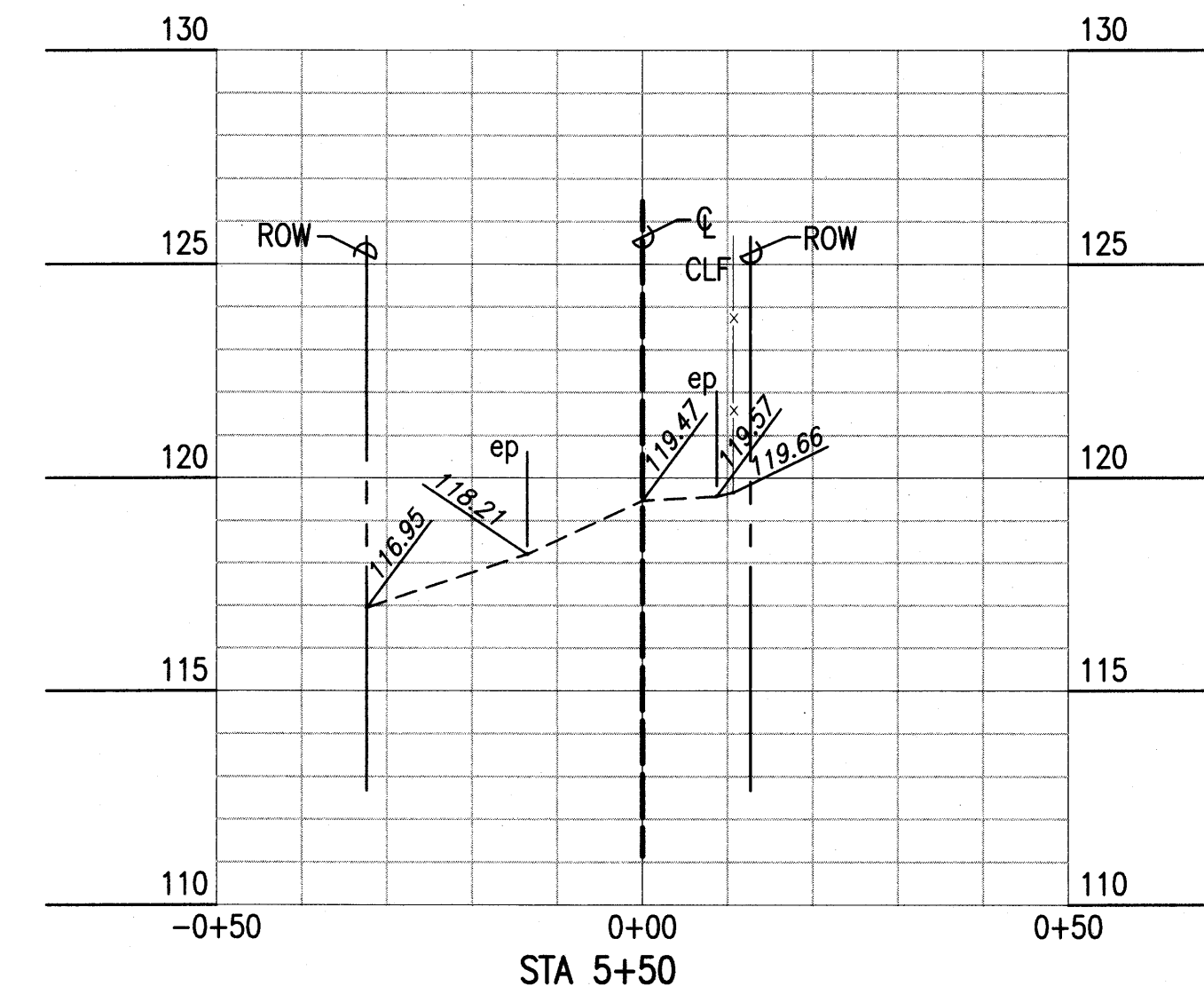
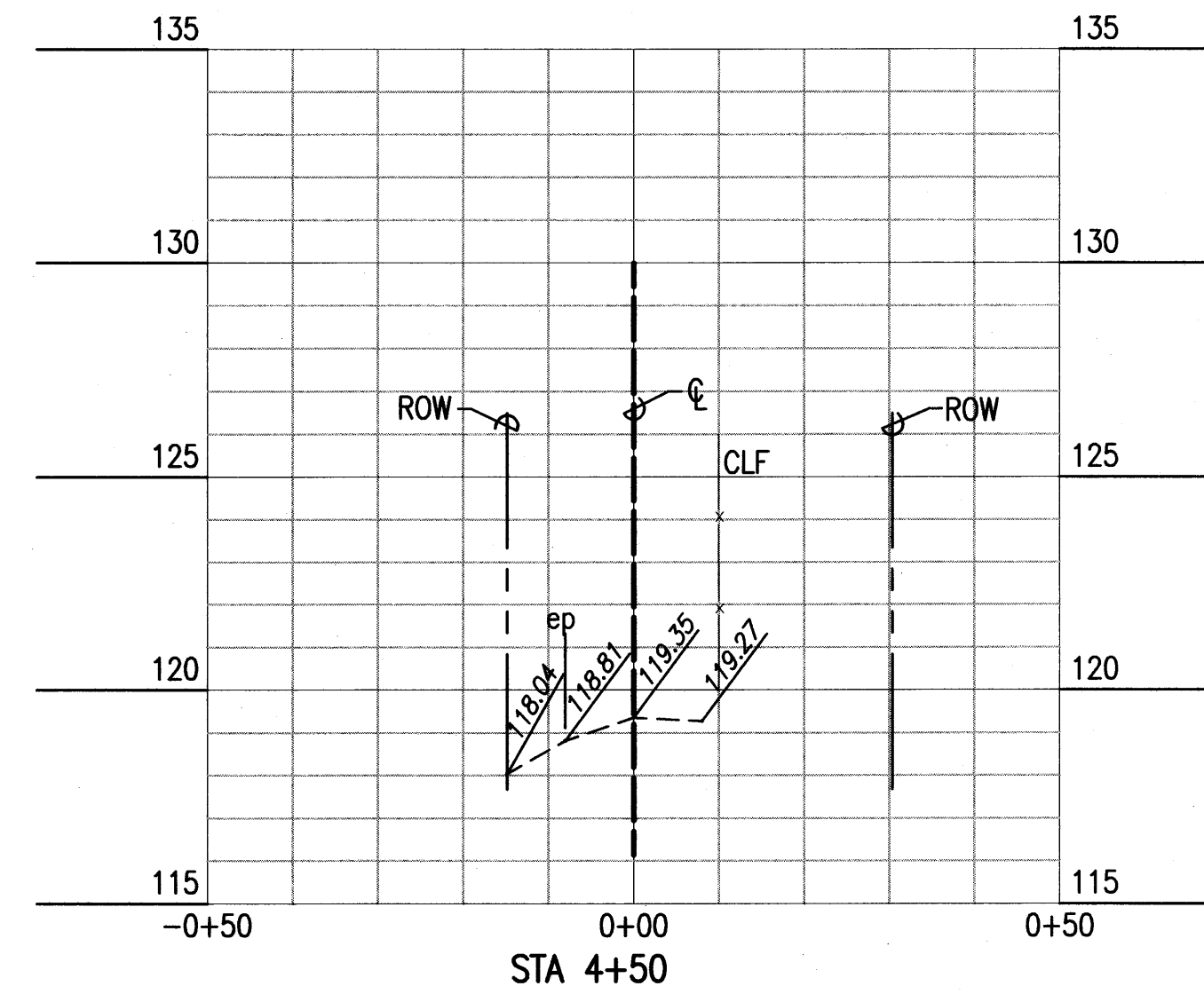
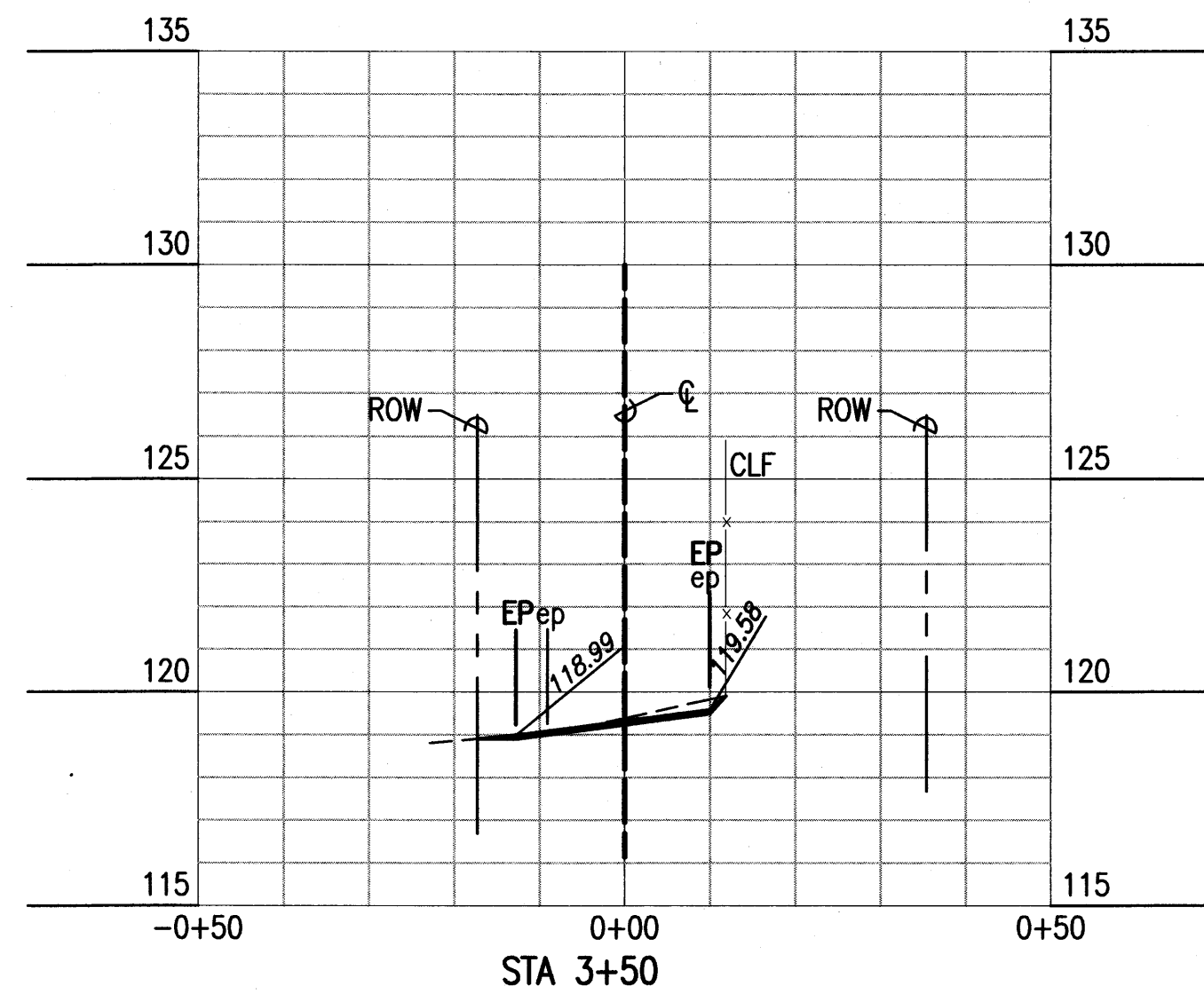
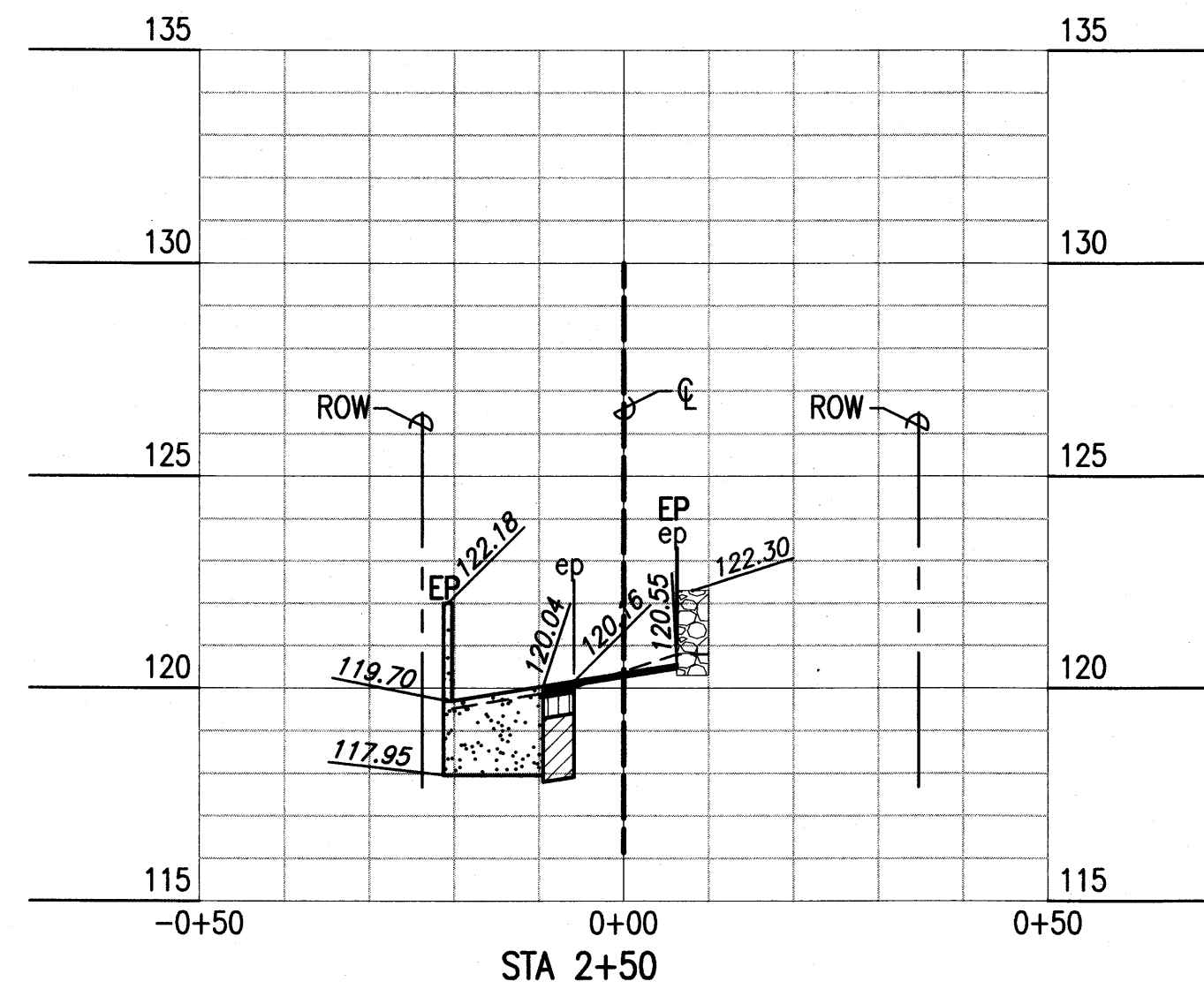
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*[Signature]*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  
**CROSS SECTIONS - 1**  
**ROUTE 360 HANA HIGHWAY**  
**IMPROVEMENTS**  
**UAKEA ROAD TO KEAWA PLACE**  
**Project No. 360B-01-03**  
Scale: 1" = 20' Date: December 2011  
  
SHEET No. 9 OF 13 SHEETS

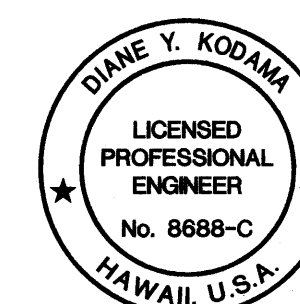
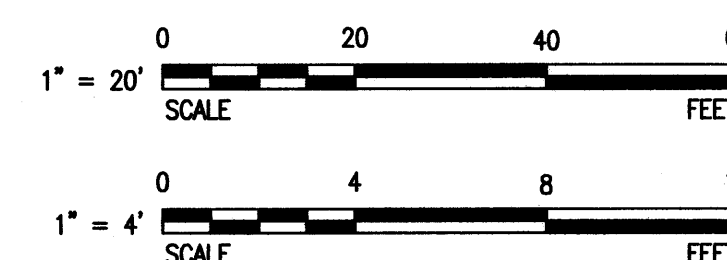
|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
|               | DESIGNED BY       |      |
|               | TRACED BY         |      |
|               | NOTE BOOK         |      |
| No.           | QUANTITIES BY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

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 360B-01-03 | 2012        | 10        | 20           |



## Cross Sections - 2

Scales: Horiz: 1" = 20'  
Vert: 1" = 4'



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*[Signature]*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

## CROSS SECTIONS - 2

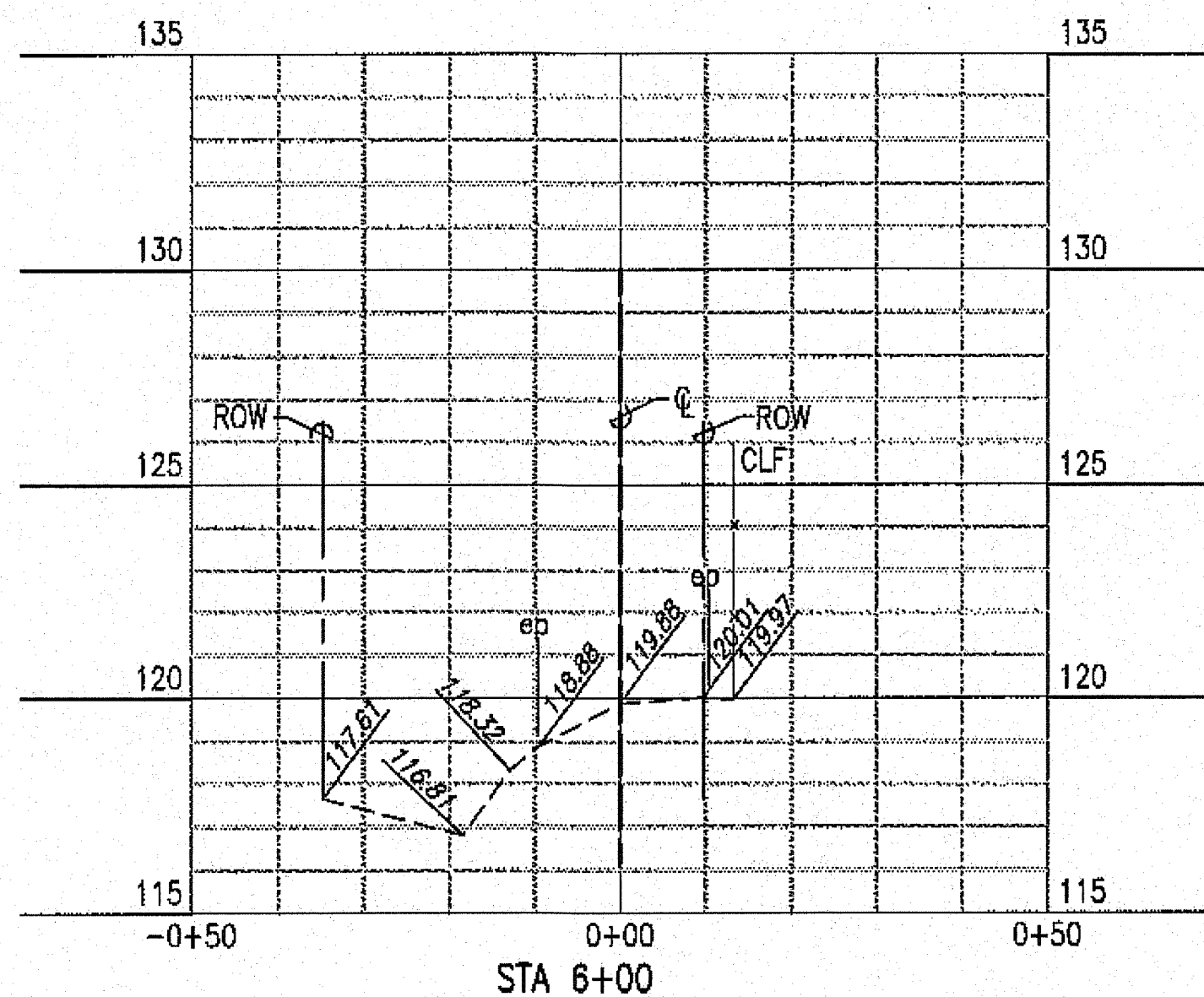
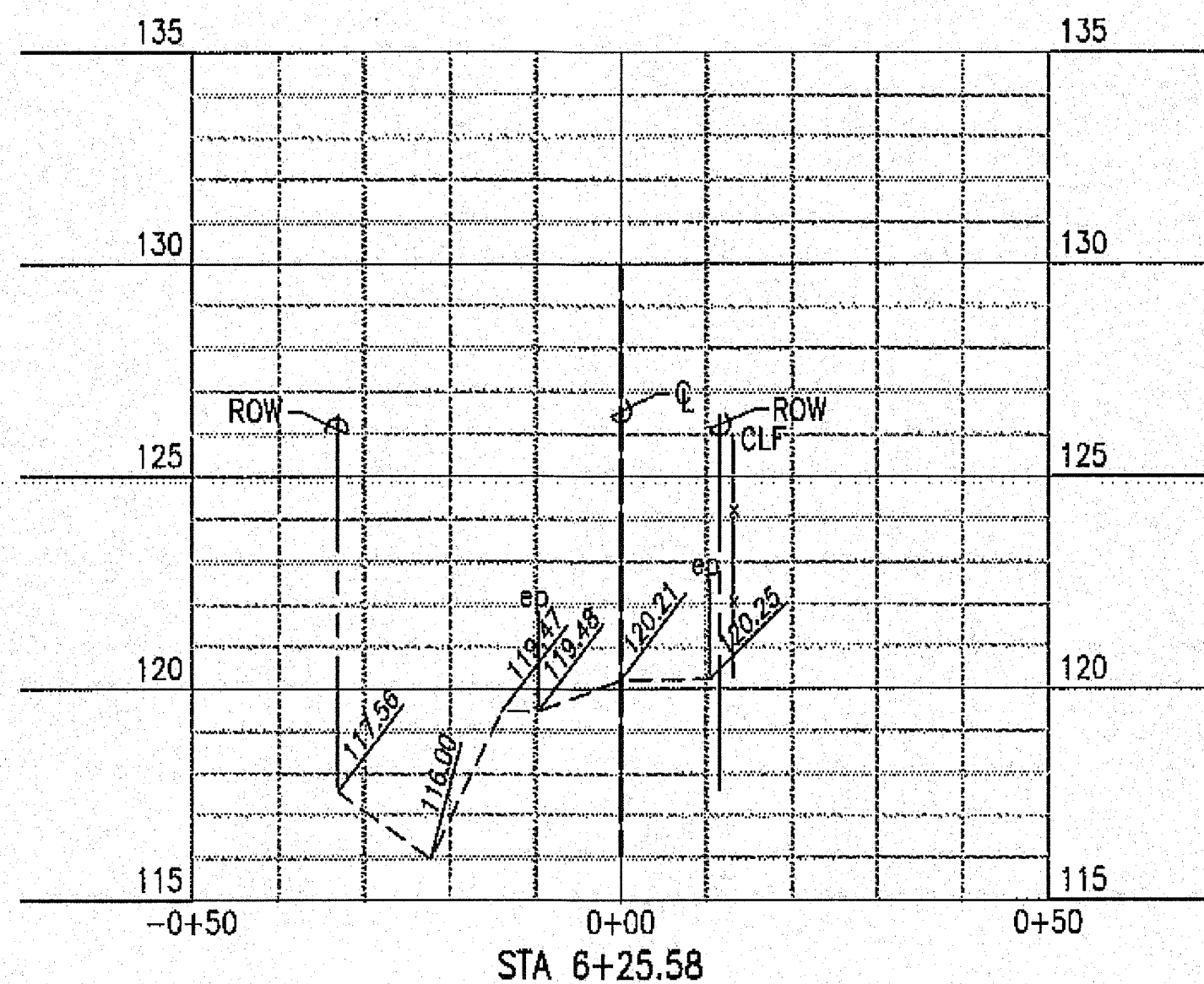
ROUTE 360 HANA HIGHWAY  
IMPROVEMENTS  
UAKEA ROAD TO KEAWA PLACE  
Project No. 360B-01-03

Scale: 1" = 20' Date: December 2011

SHEET No. 10 OF 13 SHEETS

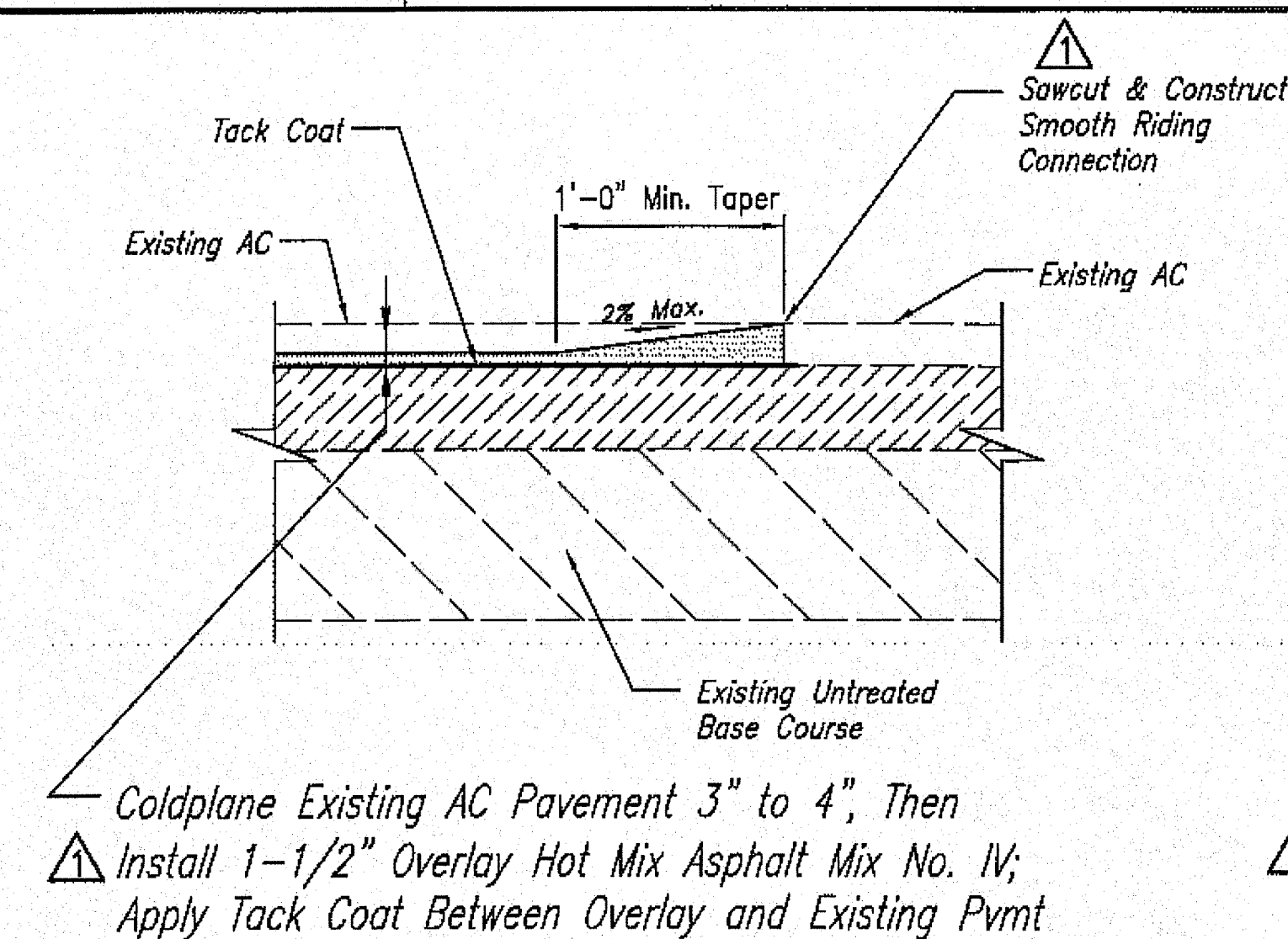
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|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
|               | TRACED BY         |      |
|               | QUANTITIES BY     |      |
|               | CHECKED BY        |      |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 360B-01-03 | 2012        | ADD.11    | 20           |

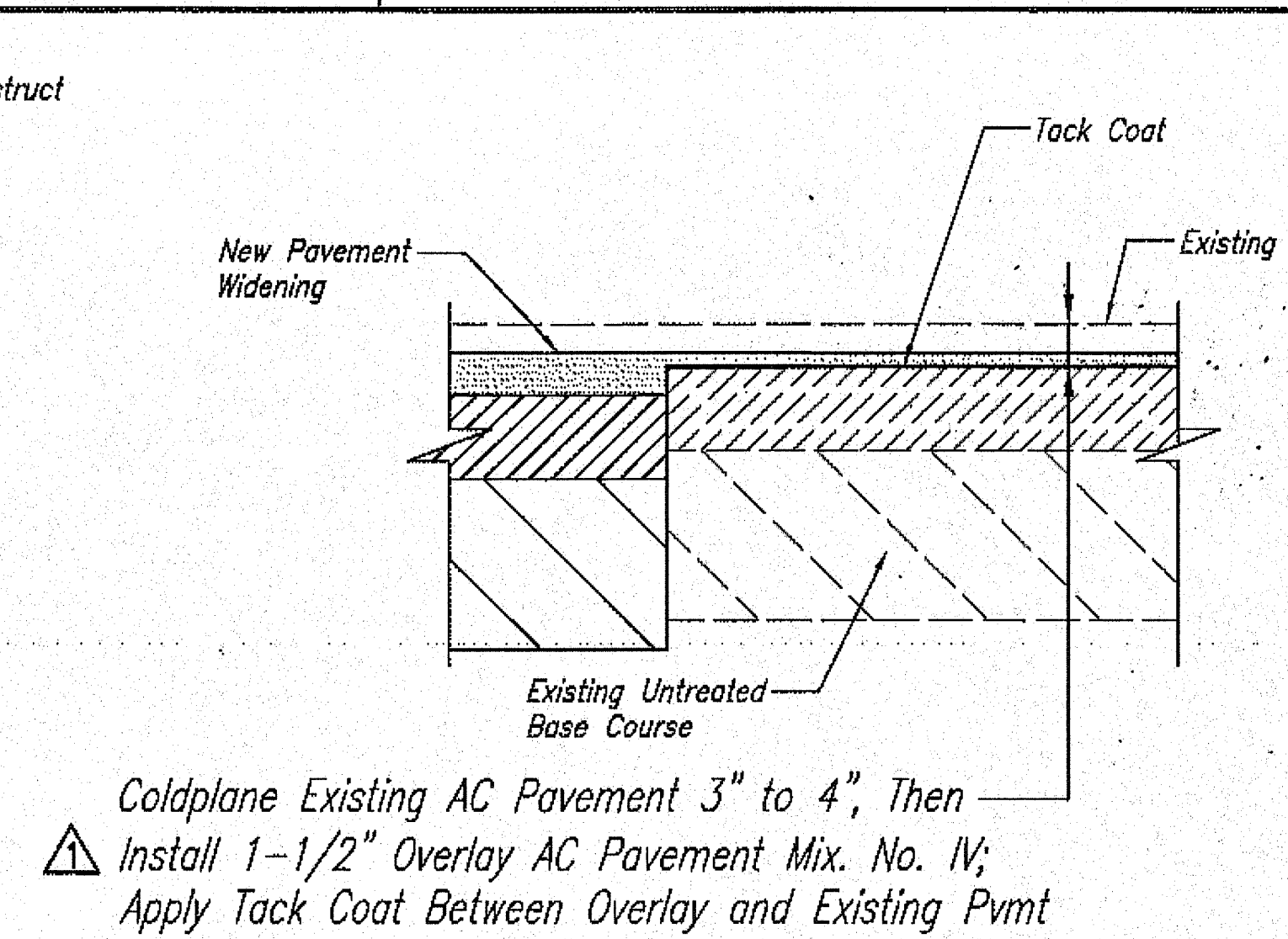


### Cross Sections - 3

Scales: Horiz: 1" = 20'  
Vert: 1" = 4'

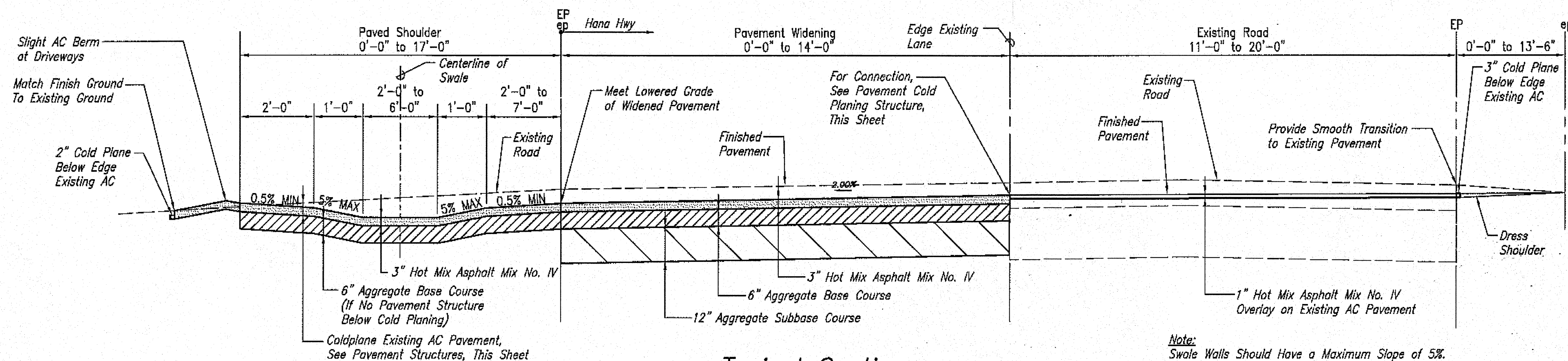


### Pavement Cold Planing (Sta 1+50 and 4+00)



### Pavement Cold Planing (Sta 1+50 to 3+96)

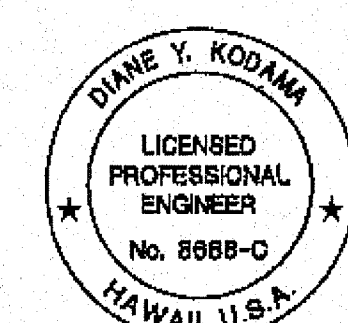
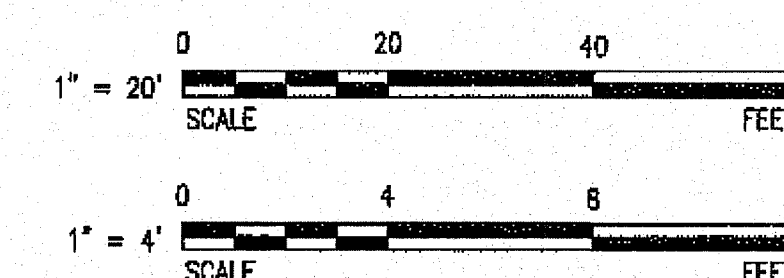
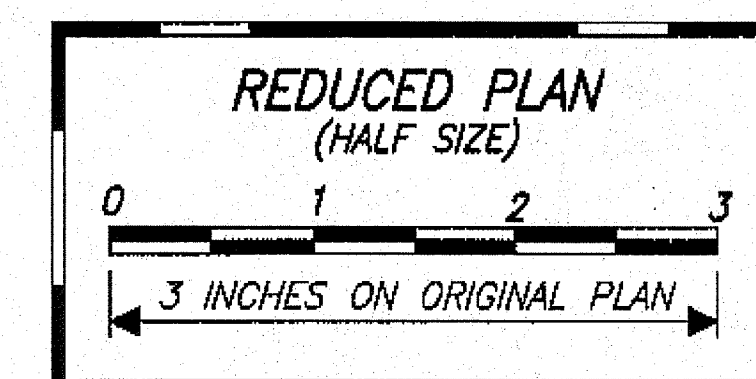
### Pavement Structures NOT TO SCALE



### Typical Section Scale: 1" = 2'

### Cold Planing Notes:

1. All saw cutting work shall be considered incidental to Cold Planing.
2. The Contractor shall compact the existing aggregate base in accordance with Section 304 - Aggregate Base Course. This preparation work shall be considered incidental to the new Aggregate Base Course, and will not be paid for separately.
3. The vertical pavement drop-off shall not exceed 2-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 48:1 minimum transition taper for traverse drop-off no steeper than 6:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to Cold Planing.
4. The Contractor shall lower manholes prior to Cold Planing, backfill with hot mix and re-adjust after final paving. This work shall be considered incidental to Manhole Adjustments.
5. Unless otherwise shown on plans, the Contractor shall remove asphalt concrete from existing gutters and swales and shall exercise caution in doing so. The Contractor shall be held liable for any damage caused to the gutters and swales by this removal. This work shall be considered incidental to Cold Planing.



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|                                                                                                                                                                                                                                                                                                                            |                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 5/15/12                                                                                                                                                                                                                                                                                                                    | REVISED OVERLAY THICKNESS AND SAWCUT LINE |
| DATE                                                                                                                                                                                                                                                                                                                       | REVISION                                  |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>CROSS-SECTIONS, PAVEMENT<br/>         STRUCTURES &amp; TYPICAL SECTION</b><br>ROUTE 360 HANA HIGHWAY<br>IMPROVEMENTS<br>UAKEA ROAD TO KEAWA PLACE<br>Project No. 360B-01-03<br>Scale: 1" = 20' Date: December 2011<br>SHEET No. 11 OF 13 SHEETS |                                           |