

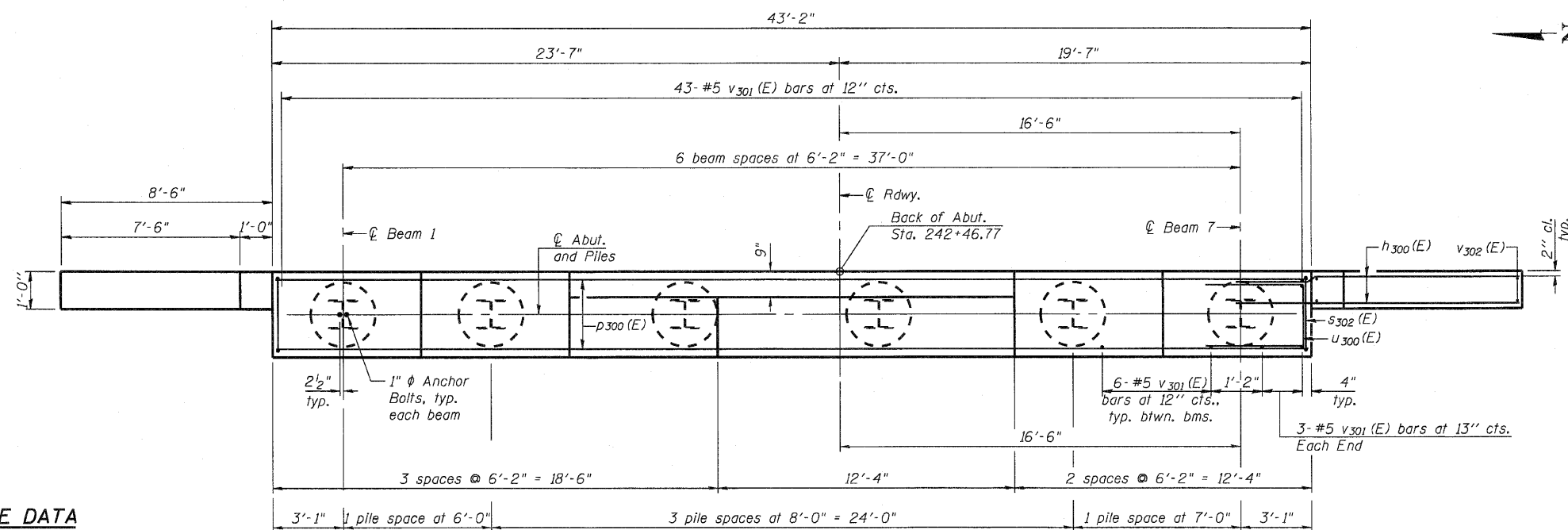
Pour steps monolithically with cap.  
 For details of piles and Concrete Encasement,  
 see sheet 35 of 41.  
 Piles are spaced to miss back row of      Elev.  
 piles supporting existing abutment.



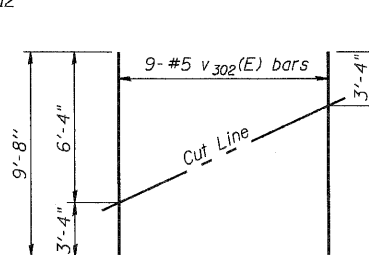
**DIMENSION "t"**

|   |                 |                  |                  |
|---|-----------------|------------------|------------------|
|   | Beam 3          | Beam 4           | Beam 5           |
| t | $\frac{3}{8}$ " | $1\frac{1}{8}$ " | $1\frac{1}{8}$ " |

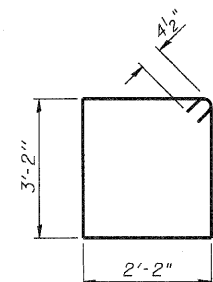
*t* = 0 at Beams 1, 2, 6, and 7



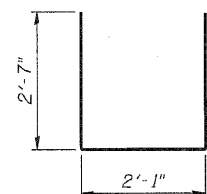
Type: HP 10x42 with pile shoes  
Nominal Required Bearing: 335  
Allowable Resistance Available: 112  
Est. Length: 21'  
No. Production Piles: 6  
No. Test Piles: 0



Order v302 (E) full length. Cut as shown and use remainder of bars in opposite face.



BAR 5302(E)



BAR u<sub>300</sub>(E)

### PLAN

**CB** Coombe-Bloxdorf P.C.  
-CIVIL ENGINEERS-  
-STRUCTURAL ENGINEERS-  
-LAND SURVEYORS-  
Design Firm License No. 184-002703

|             |         |                       |             |                  |              |           |
|-------------|---------|-----------------------|-------------|------------------|--------------|-----------|
| PROJECT NO. | 09033   | F.A.I. RTE.           | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| SCALE       |         | 280                   | 81-1 (HB-1) | ROCK ISLAND      | 503          | 269       |
| DATE        | 5/18/10 |                       |             |                  |              |           |
| DESIGN BY   |         |                       |             |                  |              |           |
| ORIGIN BY   | MML     | CONTRACT NO. 64815    |             |                  |              |           |
| CHECKED BY  | M/C/R   | FED. ROAD DIST. NO. 7 | ILLINOIS    | FED. AID PROJECT |              |           |

EAST ABUTMENT  
STRUCTURE NO. 081-0190 (WB)