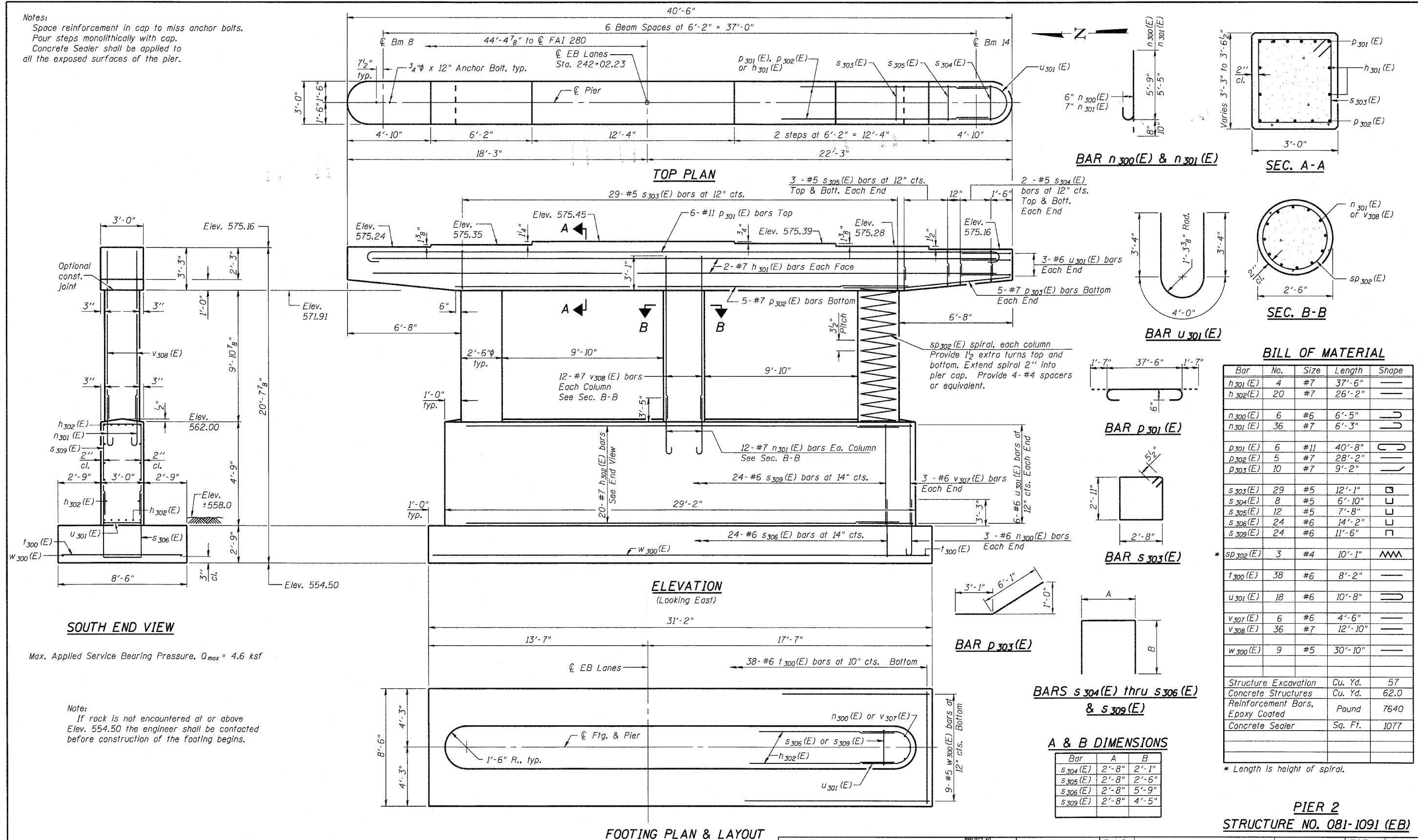


Notes:  
Space reinforcement in cap to miss anchor bolts.  
Pour steps monolithically with cap.  
Concrete Sealer shall be applied to  
all the exposed surfaces of the pier.



**BILL OF MATERIAL**

| Bar                              | No. | Size    | Length  | Shape |
|----------------------------------|-----|---------|---------|-------|
| h301(E)                          | 4   | #7      | 37'-6"  | —     |
| h302(E)                          | 20  | #7      | 26'-2"  | —     |
| n300(E)                          | 6   | #6      | 6'-5"   | U     |
| n301(E)                          | 36  | #7      | 6'-3"   | U     |
| p301(E)                          | 6   | #11     | 40'-8"  | U     |
| p302(E)                          | 5   | #7      | 28'-2"  | —     |
| p303(E)                          | 10  | #7      | 9'-2"   | —     |
| s303(E)                          | 29  | #5      | 12'-1"  | □     |
| s304(E)                          | 8   | #5      | 6'-10"  | U     |
| s305(E)                          | 12  | #5      | 7'-8"   | U     |
| s306(E)                          | 24  | #6      | 14'-2"  | U     |
| s309(E)                          | 24  | #6      | 11'-6"  | U     |
| sp302(E)                         | 3   | #4      | 10'-1"  | W     |
| t300(E)                          | 38  | #6      | 8'-2"   | —     |
| u301(E)                          | 18  | #6      | 10'-8"  | U     |
| v307(E)                          | 6   | #6      | 4'-6"   | —     |
| v308(E)                          | 36  | #7      | 12'-10" | —     |
| w300(E)                          | 9   | #5      | 30'-10" | —     |
| Structure Excavation             |     | Cu. Yd. | 57      |       |
| Concrete Structures              |     | Cu. Yd. | 62.0    |       |
| Reinforcement Bars, Epoxy Coated |     | Pound   | 7640    |       |
| Concrete Sealer                  |     | Sq. Ft. | 1077    |       |

\* Length is height of spiral.

**A & B DIMENSIONS**

| Bar     | A     | B     |
|---------|-------|-------|
| s304(E) | 2'-8" | 2'-1" |
| s305(E) | 2'-8" | 2'-6" |
| s306(E) | 2'-8" | 5'-9" |
| s309(E) | 2'-8" | 4'-5" |

**PIER 2**  
**STRUCTURE NO. 081-1091 (EB)**

Max. Applied Service Bearing Pressure,  $Q_{max} = 4.6$  ksf

Note:  
If rock is not encountered at or above  
Elev. 554.50 the engineer shall be contacted  
before construction of the footing begins.

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

PROJECT NO. 090333  
SCALE  
DATE 5/18/10  
DESIGN BY  
DRAWN BY  
CHECKED BY MCB

SHEET NO. 34  
41 SHEETS

| F.A.I. RTE. | SECTION     | COUNTY      | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|-------------|--------------|-----------|
| 280         | 81-1 (HB-1) | ROCK ISLAND | 503          | 275       |

CONTRACT NO. 64815

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

PLOT DATE = 7/21/2010  
 FILE NAME = 081-1091-0190-0191-64815-034-PIER 2-EB.dgn  
 PLOT SCALE = 0.085183' / IN.  
 USER NAME = CFC