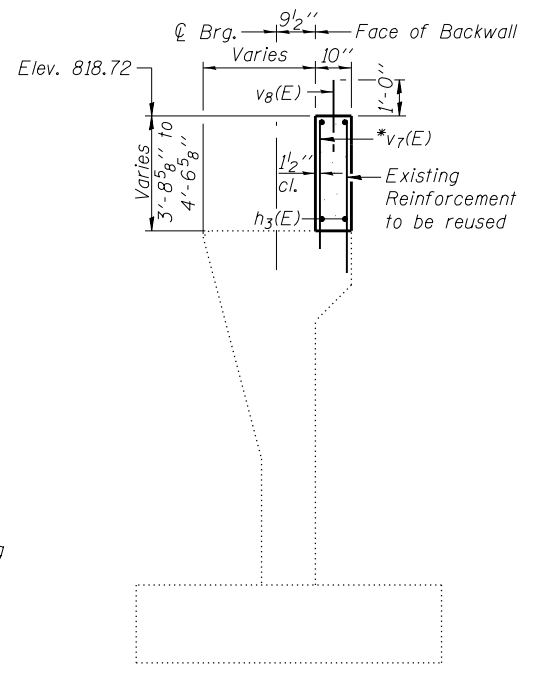
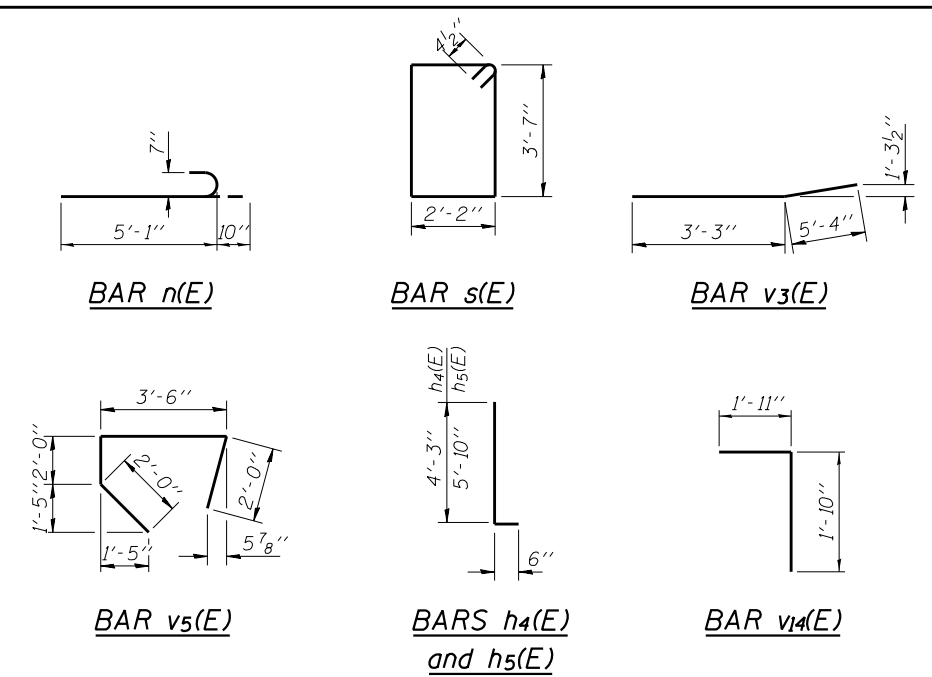


Notes:
Excavation for proposed abutment footing shall be paid for as Braced Excavation. Existing reinforcement in back wall not meeting the minimum clearances shall be removed and replaced by the reinforcement as shown.

* Grout bars 5" into existing concrete in accordance with Section 584 of the Standard Specifications

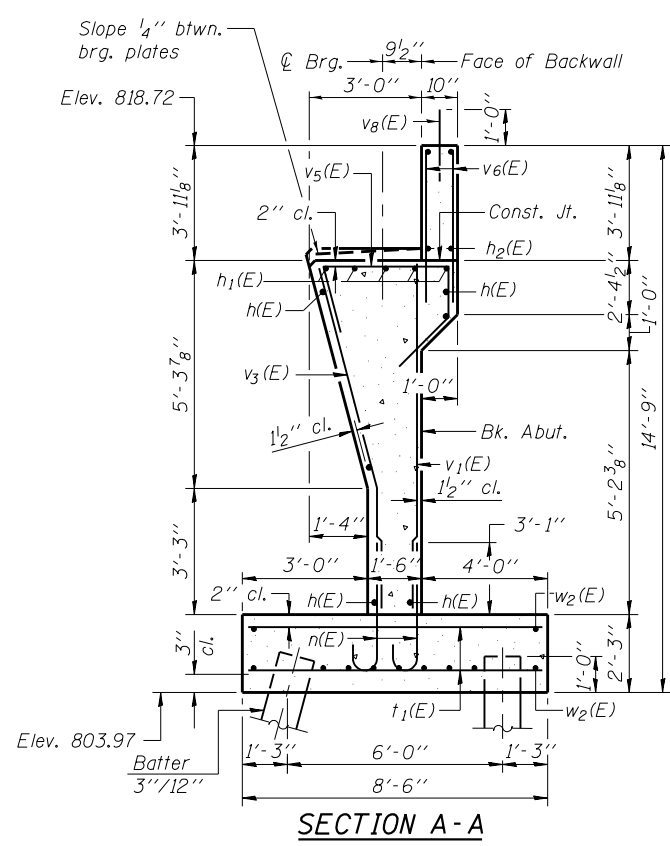


SECTION G-G

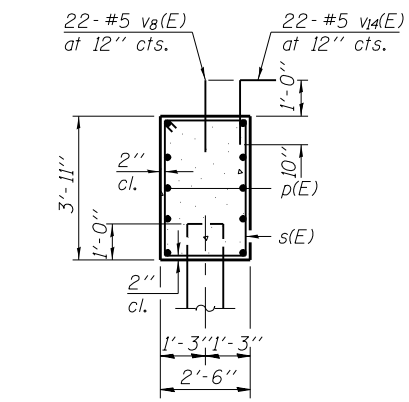


BILL OF MATERIAL

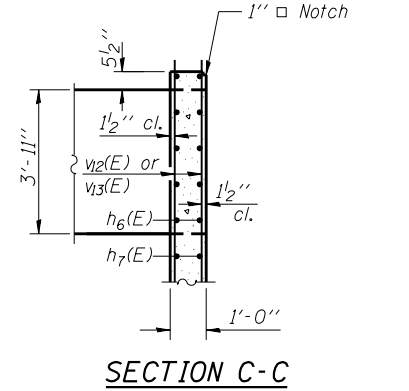
| Bar | No. | Size | Length | Shape |
|--------|-----|------|---------|-------|
| h(E) | 16 | #6 | 21'-0" | — |
| h1(E) | 5 | #5 | 21'-0" | — |
| h2(E) | 20 | #5 | 29'-0" | — |
| h3(E) | 10 | #5 | 26'-3" | — |
| h4(E) | 20 | #5 | 4'-9" | L |
| h5(E) | 18 | #5 | 6'-4" | L |
| h6(E) | 10 | #5 | 20'-11" | — |
| h7(E) | 5 | #5 | 18'-7" | — |
| h8(E) | 8 | #5 | 3'-8" | — |
| h9(E) | 2 | #6 | 15'-6" | — |
| h10(E) | 26 | #6 | 3'-1" | — |
| n(E) | 52 | #7 | 5'-11" | U |
| n1(E) | 2 | #7 | 3'-6" | — |
| p(E) | 10 | #7 | 21'-0" | — |
| p1(E) | 10 | #5 | 2'-8" | — |
| s(E) | 22 | #4 | 12'-3" | □ |
| t1(E) | 56 | #6 | 8'-2" | — |
| v1(E) | 22 | #6 | 8'-4" | — |
| v3(E) | 22 | #6 | 8'-7" | — |
| v5(E) | 21 | #5 | 9'-6" | U |
| v6(E) | 42 | #5 | 5'-9" | — |
| v7(E) | 63 | #5 | 4'-10" | — |
| v8(E) | 105 | #5 | 3'-0" | — |
| v10(E) | 10 | #5 | 13'-4" | — |
| v12(E) | 12 | #5 | 13'-11" | — |
| v13(E) | 14 | #5 | 4'-7" | — |
| v14(E) | 22 | #5 | 3'-9" | 7 |
| w2(E) | 18 | #5 | 21'-0" | — |
| w3(E) | 18 | #5 | 2'-8" | — |



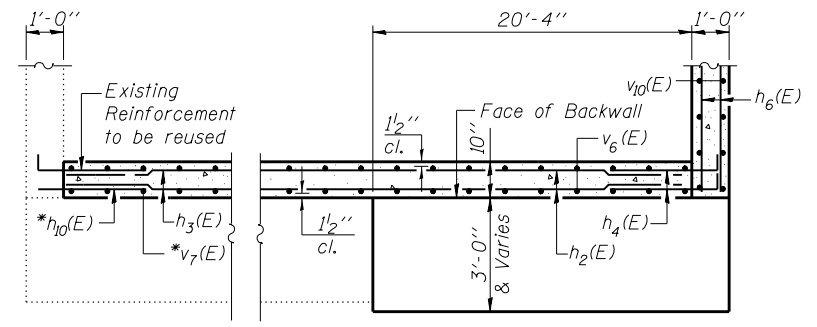
SECTION A-A



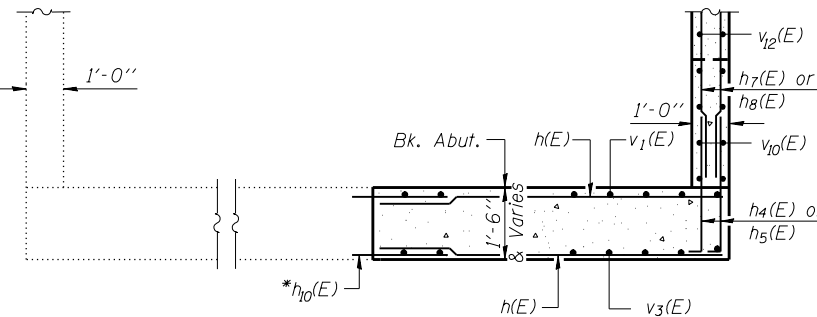
SECTION B-B



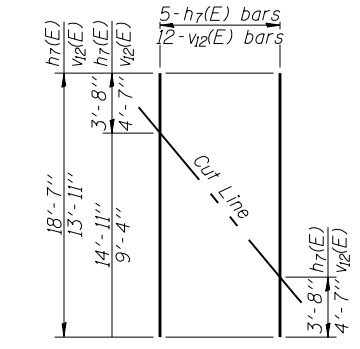
SECTION C-C



SECTION E-E



SECTION F-F



FIELD CUTTING DIAGRAM

**Order h7(E) & v12(E) bars full length. Cut to fit as shown and use remainder of bars in other face.

APPR. BENT-PILE DATA

Type: Metal Shell - 12 in. dia. x 0.250 in. walls
Nominal Required Bearing: 198 kips
Allowable Resistance Available: 66 kips
Est. Length: 28 feet
No. Production Piles: 4
No. Test Piles: 0

ABUT.- PILE DATA

Type: Metal Shell - 12 in. dia. x 0.250 in. walls
Nominal Required Bearing: 273 kips
Allowable Resistance Available: 91 kips
Est. Length: 39 feet
No. Production Piles: 10
No. Test Piles: 0

(Sheet 2 of 2)