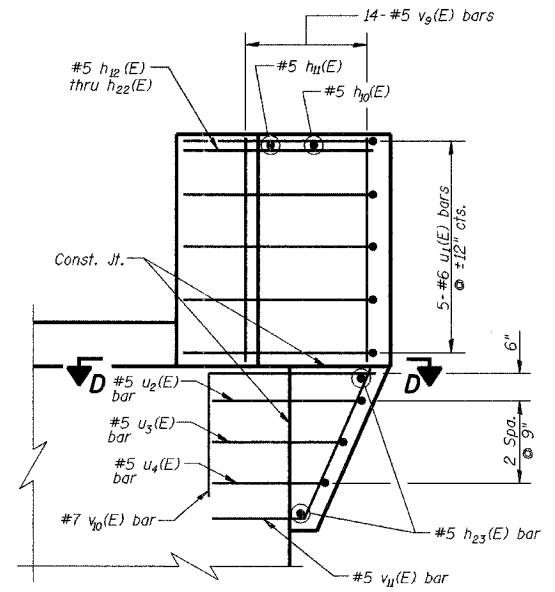
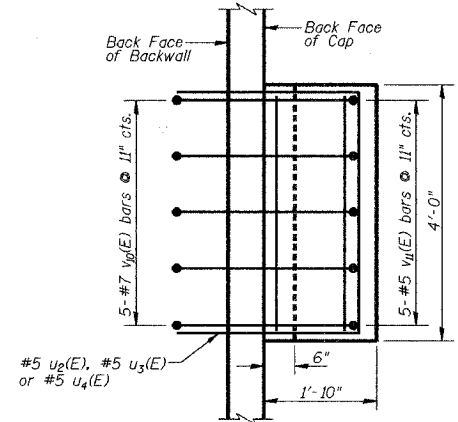


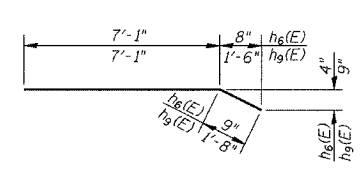
IMPACT BLOCK REINFORCEMENT
 (Cut $u_1(E)$ & $h_{11}(E)$ bars as required for Stage Const. Joint)



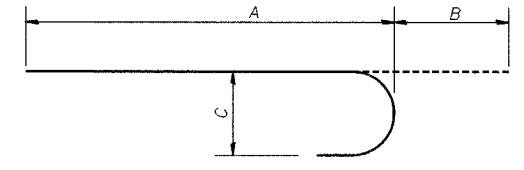
SECTION C-C



SECTION D-D

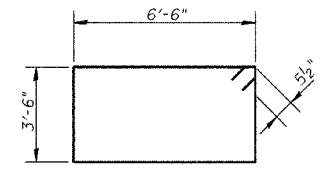


BARS $h_6(E)$ & $h_9(E)$

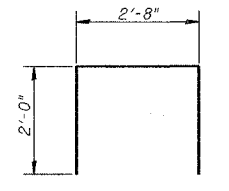


BARS $p(E)$, $p_5(E)$ & $v_{13}(E)$

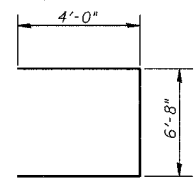
| Bar | A | B | C |
|-------------|--------|-------|-----------|
| $p(E)$ | 19'-2" | 10" | 7" |
| $p_5(E)$ | 22'-2" | 10" | 7" |
| $v_{13}(E)$ | 9'-9" | 1'-5" | 1'-1 1/4" |



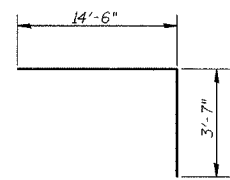
BAR $s_1(E)$



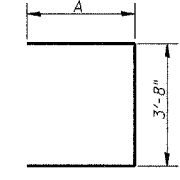
BAR $s_2(E)$



BAR $u(E)$

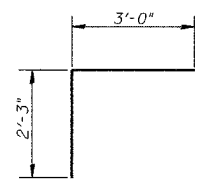


BAR $u_1(E)$

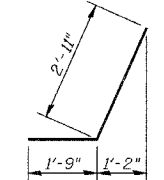


BARS $u_2(E)$, $u_3(E)$ & $u_4(E)$

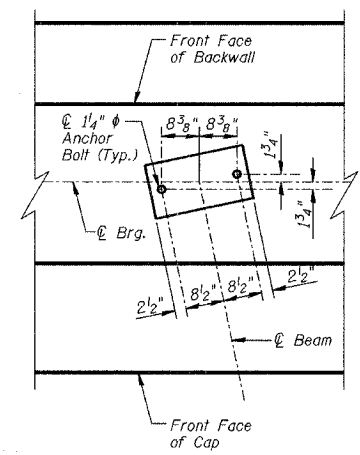
| Bar | A |
|----------|--------|
| $u_2(E)$ | 2'-10" |
| $u_3(E)$ | 2'-6" |
| $u_4(E)$ | 2'-2" |



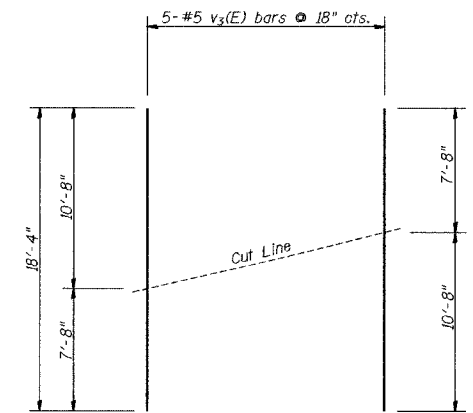
BAR $v_{10}(E)$



BAR $v_{11}(E)$

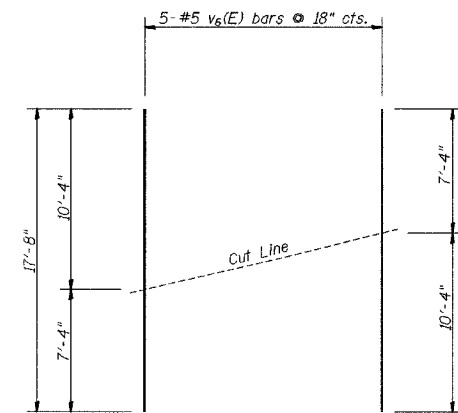


ANCHOR BOLT LAYOUT



FIELD CUTTING DIAGRAM

Order bars full length. Cut bars in field as shown. Use remaining bars in opposite face.



FIELD CUTTING DIAGRAM

Order bars full length. Cut bars in field as shown. Use remaining bars in opposite face.

**NORTH ABUTMENT
 BILL OF MATERIALS**

| Bar | No. | Size | Length | Shape |
|---------------------------------|---------|--------|---------|-------|
| $h_1(E)$ | 10 | #5 | 22'-4" | |
| $h_2(E)$ | 4 | #5 | 22'-2" | |
| $h_3(E)$ | 14 | #8 | 9'-0" | |
| $h_4(E)$ | 18 | #5 | 8'-0" | |
| $h_5(E)$ | 4 | #5 | 7'-3" | |
| $h_6(E)$ | 2 | #5 | 7'-9" | |
| $h_7(E)$ | 10 | #5 | 19'-4" | |
| $h_8(E)$ | 4 | #5 | 19'-2" | |
| $h_9(E)$ | 2 | #5 | 8'-9" | |
| $h_{10}(E)$ | 2 | #5 | 7'-7" | |
| $h_{11}(E)$ | 2 | #5 | 12'-5" | |
| $h_{12}(E)$ | 2 | #5 | 3'-4" | |
| $h_{13}(E)$ | 2 | #5 | 3'-2" | |
| $h_{14}(E)$ | 2 | #5 | 2'-11" | |
| $h_{15}(E)$ | 2 | #5 | 2'-9" | |
| $h_{16}(E)$ | 2 | #5 | 2'-6" | |
| $h_{17}(E)$ | 2 | #5 | 2'-4" | |
| $h_{18}(E)$ | 2 | #5 | 2'-1" | |
| $h_{19}(E)$ | 2 | #5 | 1'-11" | |
| $h_{20}(E)$ | 2 | #5 | 1'-8" | |
| $h_{21}(E)$ | 2 | #5 | 1'-6" | |
| $h_{22}(E)$ | 2 | #5 | 1'-3" | |
| $h_{23}(E)$ | 4 | #5 | 3'-8" | |
| $p(E)$ | 10 | #7 | 20'-0" | |
| $p_1(E)$ | 11 | #8 | 19'-2" | |
| $p_2(E)$ | 6 | #5 | 19'-2" | |
| $p_3(E)$ | 11 | #8 | 22'-2" | |
| $p_4(E)$ | 6 | #5 | 22'-2" | |
| $p_5(E)$ | 10 | #7 | 23'-0" | |
| $s_1(E)$ | 27 | #5 | 20'-11" | |
| $s_2(E)$ | 43 | #5 | 6'-8" | |
| $sp(E)$ | 4 | #5 | 55'-0" | |
| $u(E)$ | 10 | #8 | 14'-8" | |
| $u_1(E)$ | 10 | #6 | 18'-1" | |
| $u_2(E)$ | 2 | #5 | 9'-4" | |
| $u_3(E)$ | 2 | #5 | 8'-8" | |
| $u_4(E)$ | 2 | #5 | 8'-0" | |
| $v_1(E)$ | 40 | #8 | 6'-9" | |
| $v_2(E)$ | 40 | #5 | 5'-9" | |
| $v_3(E)$ | 5 | #5 | 18'-4" | |
| $v_4(E)$ | 2 | #8 | 10'-9" | |
| $v_5(E)$ | 2 | #5 | 10'-9" | |
| $v_6(E)$ | 5 | #5 | 17'-8" | |
| $v_7(E)$ | 1 | #8 | 10'-6" | |
| $v_8(E)$ | 1 | #5 | 10'-6" | |
| $v_9(E)$ | 28 | #5 | 4'-0" | |
| $v_{10}(E)$ | 10 | #7 | 5'-3" | |
| $v_{11}(E)$ | 10 | #5 | 4'-8" | |
| $v_{12}(E)$ | 132 | #10 | 55'-0" | |
| $v_{13}(E)$ | 132 | #10 | 11'-2" | |
| Structure Excavation | Cu. Yd. | 213.7 | | |
| Bar Splicer | Each | 41 | | |
| Concrete Structures | Cu. Yd. | 70.9 | | |
| Reinforcement Bars Epoxy Coated | Lbs. | 52,130 | | |
| Concrete Sealer | Sq. Ft. | 240 | | |
| Drilled Shaft In Soil | Cu. Yd. | 230.4 | | |

NORTH ABUTMENT DETAILS

| | | | |
|--------------|--|--|----------------------------------|
| Date | Designed MJP | CSX TRANSPORTATION R.R. OVER WINTER AVE. MP OZA 12L6 SECTION 99-00209-01-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 5527+59.81 PROP. STR. NO. 092-6039 | Sheet No. |
| Revisions | Drawn BKN | | 15 |
| | Checked KWB | | |
| | Approved KWB | | |
| Prepared by: | URS 345 East Ash Avenue, Suite B Decatur, IL 62526 | | of 24 URS Job No. 36430866 |