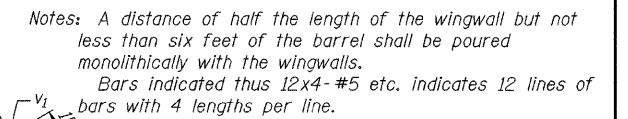


(Front)  
13-#5  $h_3$  bars at  $6\frac{1}{2}$ " cts. Short Wing  
13-#8  $h_7$  bars at  $6\frac{1}{2}$ " cts. Long Wing  
└ Bend in Field, typ.



| Bar                   | No. | Size | Length  | Shape                                                                                 |
|-----------------------|-----|------|---------|---------------------------------------------------------------------------------------|
| a                     | 152 | #8   | 26'-10" |   |
| a <sub>1</sub>        | 238 | #8   | 11'-0"  |  |
| a <sub>2</sub>        | 68  | #4   | 8'-4"   |  |
| d                     | 50  | #4   | 4'-6"   |  |
| h                     | 60  | #6   | 34'-6"  |  |
| h <sub>1</sub>        | 92  | #5   | 34'-4"  |  |
| h <sub>2</sub>        | 42  | #6   | 34'-6"  |  |
| h <sub>3</sub>        | 21  | #5   | 8'-0"   |  |
| h <sub>4</sub>        | 10  | #9   | 32'-9"  |  |
| h <sub>5</sub>        | 8   | #9   | 32'-9"  |  |
| h <sub>6</sub>        | 13  | #8   | 18'-6"  |  |
| h <sub>7</sub>        | 21  | #8   | 8'-0"   |  |
| h <sub>8</sub>        | 13  | #5   | 9'-3"   |  |
| h <sub>9</sub>        | 11  | #5   | 6'-2"   |  |
| h <sub>10</sub>       | 3   | #5   | 4'-1"   |  |
| h <sub>11</sub>       | 7   | #5   | 5'-6"   |  |
| h <sub>12</sub>       | 11  | #5   | 6'-4"   |  |
| h <sub>13</sub>       | 3   | #5   | 5'-0"   |  |
| h <sub>14</sub>       | 7   | #5   | 4'-8"   |  |
| h <sub>15</sub>       | 2   | #9   | 9'-6"   |  |
| v                     | 284 | #4   | 8'-6"   |  |
| v <sub>1</sub>        | 14  | #4   | 11'-4"  |  |
| s                     | 49  | #3   | 4'-10"  |  |
| s <sub>1</sub>        | 49  | #3   | 5'-0"   |  |
| Concrete Box Culverts |     |      | Cu. Yd. | 165.5                                                                                 |
| Reinforcement Bars    |     |      | Pound   | 32600                                                                                 |

### CULVERT DETAILS

|          |     |
|----------|-----|
| DESIGNED | JKC |
| CHECKED  | JLS |
| DRAWN    | NV  |
| CHECKED  | JKC |

CHAMBLIN &  
ASSOCIATES  
PERU ILLINOIS MORRIS