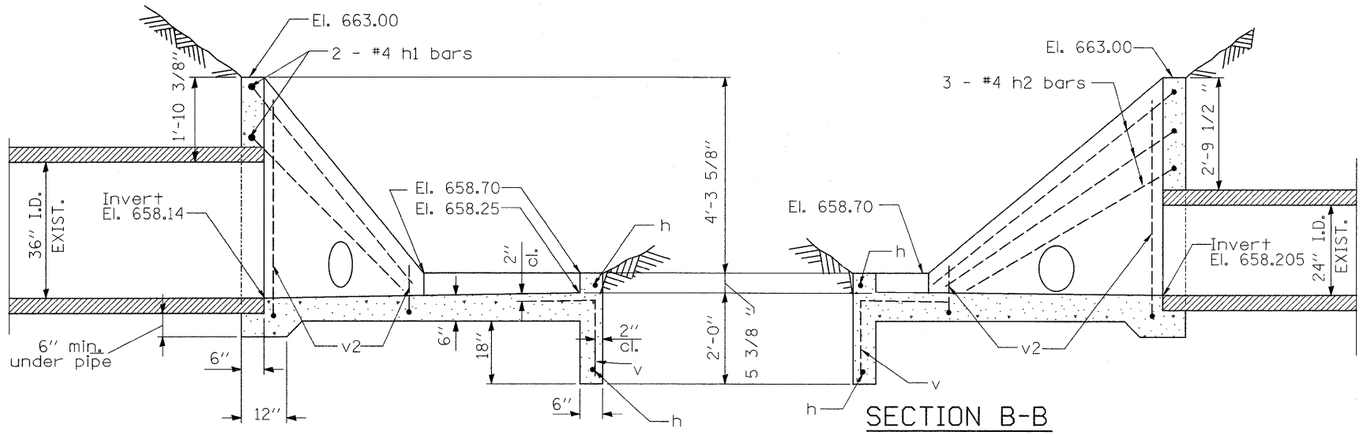
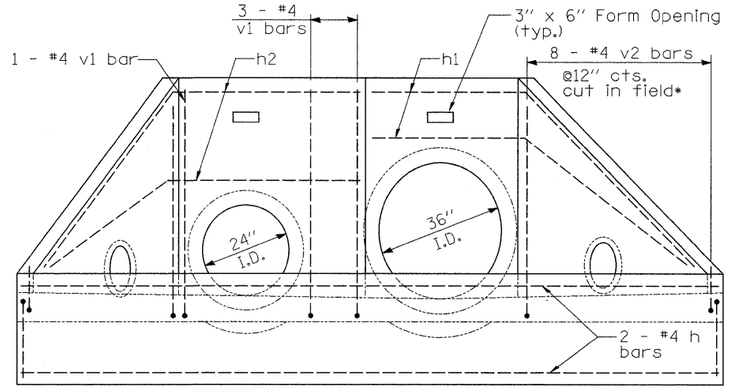


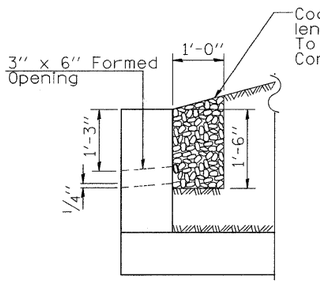

SECTION A-A

SECTION B-B



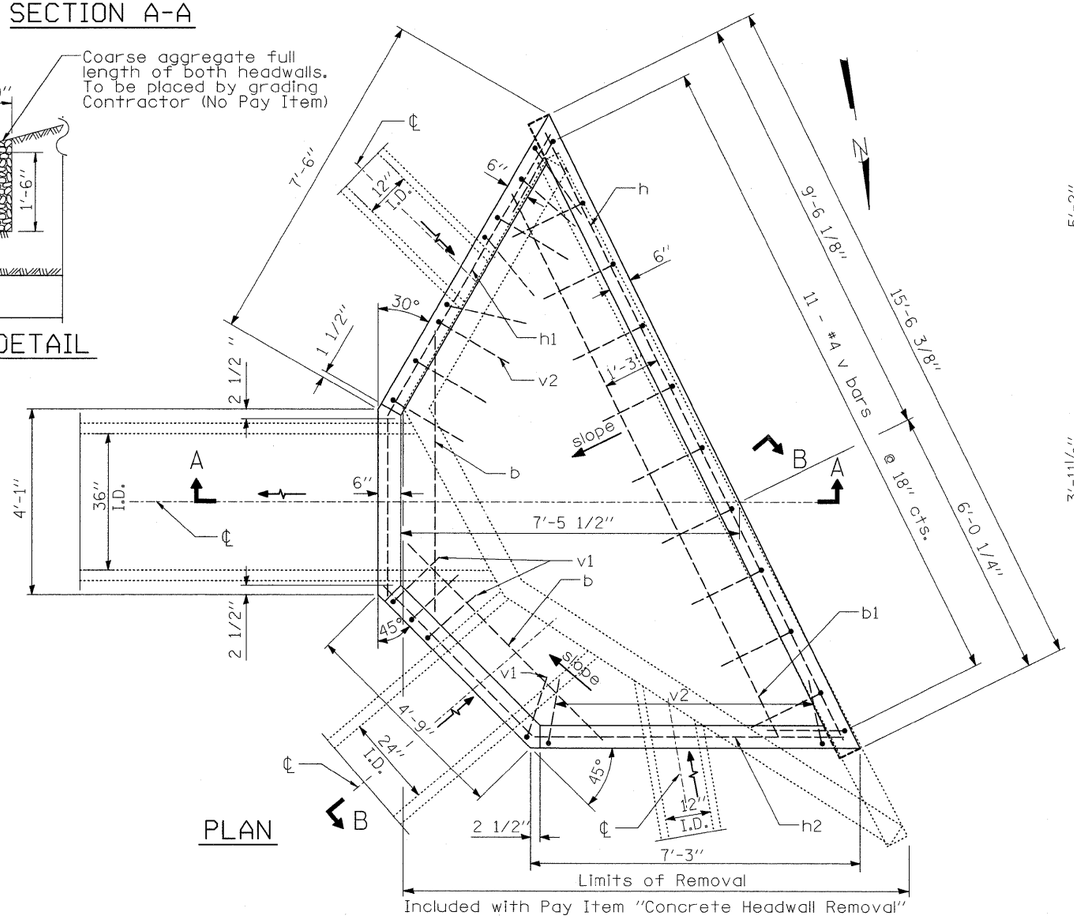

END ELEVATION

* Use the remainder of the cut v2 bar for the other wingwall

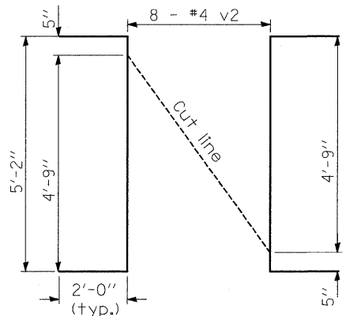



DRAIN DETAIL

Coarse aggregate full length of both headwalls. To be placed by grading Contractor (No Pay Item)

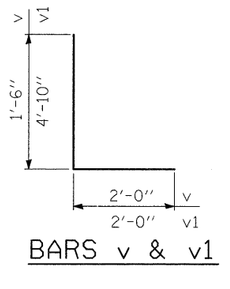



PLAN

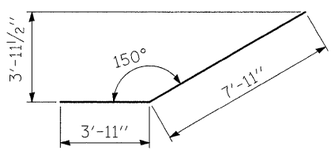



BAR v2

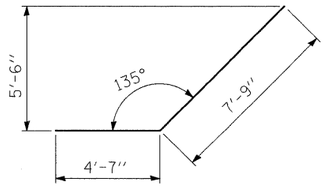
Field cutting diagram




BARS v & v1




BAR h1




BAR h2

## BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|---|---|---|---|---|
| b | 2 | #4 | 6'-0" | —— |
| b1 | 1 | #4 | 13'-4" | —— |
| | | | | |
| h | 2 | #4 | 15'-0" | —— |
| h1 | 2 | #4 | 11'-10" | —— |
| h2 | 3 | #4 | 12'-4" | —— |
| | | | | |
| v | 11 | #4 | 3'-6" | ⌊ |
| v1 | 4 | #4 | 6'-10" | ⌊ |
| v2 | 8 | #4 | 9'-2" | ⌊ |
| Concrete Structures | | | Cu. Yd. | 3.4 |
| Reinforcement Bars | | | Pound | 160 |
| Concrete Headwall Removal | | | Cu. Yd. | 2.9 |
| Tree Removal (Over 15 units diameter) | | | Each | 1 |

***CULVERT NO. 10***
***REINFORCED CONCRETE END SECTION***
***STA. 135+30 209.2 FT RT.***


Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014


| | | | |
|---|---|---|---|
| USER NAME = grantpm | DESIGNED - EKM | REVISED - | |
| | DRAWN - MLB | REVISED - | |
| PLOT SCALE = 50.0000 ' / IN. | CHECKED - SCD | REVISED - | |
| PLOT DATE = Mon Dec 15 08:36:39 2008 | DATE - 08/2008 | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**I-80**
**PROPOSED DRAINAGE STRUCTURES**

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 80 | (81-1)R-1 | ROCK ISLAND | 292 | 151 |
| | | CONTRACT NO. 64933 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

FILE NAME = c:\pw_work\pwidot\grantpm\dms34287\d884833dr.dgn