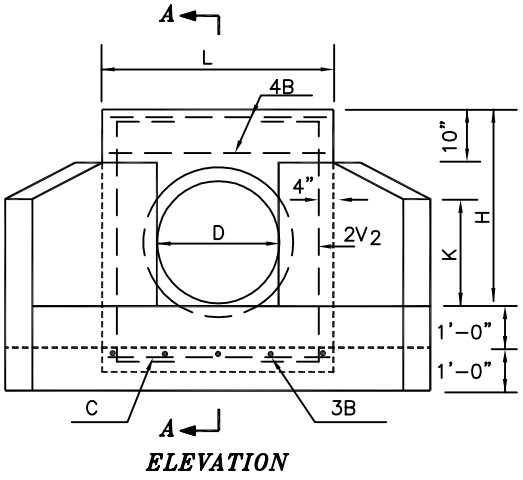
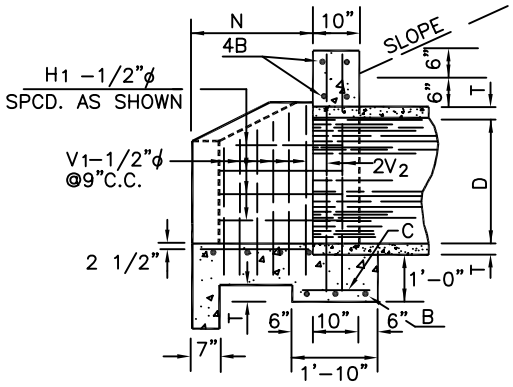
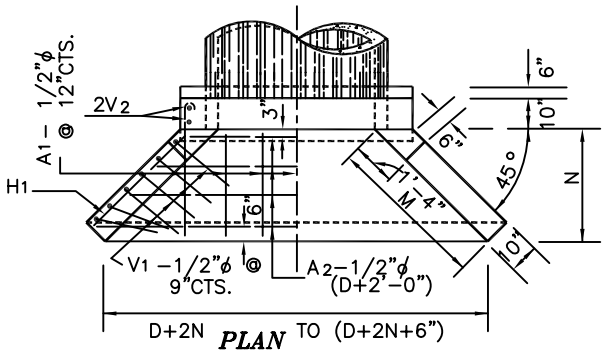


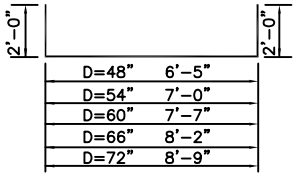

ELEVATION




SECTION A-A

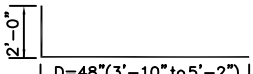



PLAN



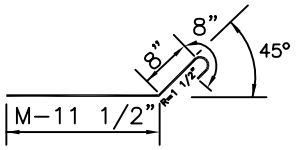

| | |
|---|---|
| D=48" | 6'-5" |
| D=54" | 7'-0" |
| D=60" | 7'-7" |
| D=66" | 8'-2" |
| D=72" | 8'-9" |

BENDING FOR $V_2$ BARS




| | |
|---|---|
| D=48" | (3'-10" to 5'-2") |
| D=54" | (4'- 2" to 5'-8") |
| D=60" | (4'- 6" to 6'-2") |
| D=66" | (4'-10" to 6'-8") |
| D=72" | (5'- 2" to 7'-4") |

BENDING FOR $V_1$ BARS




BENDING FOR $H_1$ BARS

DIMENSIONS & QUANTITIES FOR HEADWALLS WITH 45° WINGS

| DIMENSIONS | | | | | | | | REINFORCING STEEL | | | | | | | | | | | | | | QUANTITIES * | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | AREA SQ.FT. | T | H | K | L | M | N | A1-1/2"ϕ NO. | A1-1/2"ϕ LGTH. | A2-1/2"ϕ NO. | A2-1/2"ϕ LGTH. | B -1/2"ϕ NO. | B -1/2"ϕ LGTH. | C -1/2"ϕ NO. | C -1/2"ϕ LGTH. | H1-1/2"ϕ NO. | H1-1/2"ϕ LGTH. | V1 -1/2"ϕ NO. | V1 -1/2"ϕ LGTH. | V2 -1/2"ϕ NO. | V2 -1/2"ϕ LGTH. | CLASS 'A' CONC. CU. YD. | REINF. STEEL LBS. |
| 48" | 12.57 | 5" | 5'-5" | 3'-2" | 6'-4" | 5'-3 1/2" | 3'-9" | 7 | 3'-5" | 4 | 9'-0" AV. | 7 | 6'-0" | 5 | 1'-6" | 8 | 5'-8" | 12 | 6'-6" AV. | 4 | 10'-5" | 3.81 | 184. |
| 54" | 15.90 | 5 1/2" | 5'-11 1/2" | 3'-6" | 6'-10" | 5'-10 1/2" | 4'-2" | 7 | 3'-10" | 5 | 9'-11" AV. | 7 | 6'-6" | 5 | 1'-6" | 8 | 6'-3" | 14 | 6'-11" AV. | 4 | 11'-0" | 4.54 | 214. |
| 60" | 19.63 | 6" | 6'-6" | 3'-10" | 7'-4" | 6'-5 1/2" | 4'-7" | 8 | 4'-3" | 5 | 10'-10" AV. | 7 | 7'-0" | 6 | 1'-6" | 10 | 6'-10" | 16 | 7'-4" AV. | 4 | 11'-7" | 5.33 | 253. |
| 66" | 23.76 | 6 1/2" | 7'-0 1/2" | 4'-2" | 7'-10" | 7'-1" | 5'-0" | 8 | 4'-8" | 5 | 11'-9" AV. | 7 | 7'-6" | 6 | 1'-6" | 10 | 7'-5" | 18 | 7'-9" AV. | 4 | 12'-2" | 6.20 | 281. |
| 72" | 28.27 | 7" | 7'-7" | 4'-6" | 8'-4" | 7'-9 1/2" | 5'-6" | 9 | 5'-2" | 6 | 12'-9" AV. | 7 | 8'-0" | 6 | 1'-6" | 10 | 8'-2" | 20 | 8'-3" AV. | 4 | 12'-9" | 7.22 | 325. |

* FOR ONE HEADWALL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Contacts:

Robert Hitt, Director of Engineering Services, Ext. 344
Jason Brinkly, Civil Engineer, Ext. 346


The City Of Enid, Oklahoma

REVISIONS

| Number | Date | Description |
|---|---|---|
| | | |

Project Number:

Project Location:

Sheet Title: STANDARD CONCRETE PIPE CULVERTS & HEADWALLS 48" TO 72" REINF. CONCRETE PIPES

Project Title:

DD - 12 SHT. 1

Engr. Seal:

REGISTERED PROFESSIONAL ENGINEER
ROBERT S. HITT
13111
OKLAHOMA

| | |
|---|---|
| Date: | 6/1/00 |
| Scale: | NO SCALE |
| Cad File: | G:\DATA\SPECS\DD12 |
| Drawn By: | P.B./C.L.H. |
| Designed By: | R.H. |
| Approved By: | R.H. |
| Sheet: | of |