

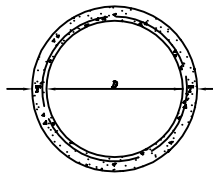
3'-0" D=15"	5'-4 1/2" D=15"
3'-5" D=18"	5'-11" D=18"
4'-0" D=24"	7'-0" D=24"
4'-8" D=30"	8'-1" D=30"
5'-4" D=36"	9'-2" D=36"
6'-0" D=42"	10'-3" D=42"

BENDING BARS A

PLAN

Chamfer all exposed edges 3/4".
 Unless otherwise specified, all exposed concrete surfaces shall have a finish in accordance with the current standard specifications.
 All construction and materials requirements shall be in accordance with the current standard specifications.

TABLE OF DIMENSION & QUANTITIES FOR ENDWALLS WITH 45° WINGS													
DIMENSIONS						QUANTITIES IN ONE ENDWALL				ADDITIONAL MATERIAL REQUIRED FOR APRON			
OPENING D	WALL					CLASS A CONCRETE			REINF. STEEL LBS.	CONC.		STEEL	
	AREA SQ.FT.	H	G	L	M	F	WALL CU.FT.	FOOTG CU.FT.		TOTAL CU.FT.	CONC.		STEEL
15"	2.5	2'-3"	5'-8 1/2"	1'-0"	1'-1"	1'-2"	8.6	11.4	20.0	0.74	50	.06	7.
18"	3.5	2'-6"	6'-3"	1'-2"	1'-7"	1'-3"	10.9	15.1	26.0	0.96	57	.16	17.
24"	6.3	3'-0"	7'-4"	1'-5"	2'-1"	1'-4"	15.1	20.3	35.4	1.31	78	.33	21.
30"	9.8	3'-6"	8'-5"	1'-9"	2'-5"	1'-6"	19.4	26.8	46.2	1.71	88	.54	26.
36"	14.1	4'-0"	9'-6"	2'-0"	2'-11"	1'-8"	24.8	35.0	59.8	2.21	104	.93	30.
42"	19.2	4'-6"	10'-7"	2'-3"	3'-6"	1'-10"	31.3	44.7	76.0	2.81	117	1.47	53.



DIMENSIONS	
D	T
15"	2-1/4"
18"	2-1/2"
24"	3"
30"	3-1/2"
36"	4"
42"	4-1/2"

REINFORCED CONCRETE PIPE

The City of Enid, Oklahoma
 401 West Owen A. Conover Road
 Enid, Oklahoma 73732
 Telephone: (800) 251-0060 Fax: (800) 251-0048

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 Susan Wilcox, Civil Engineer, Ext. 340

The City of Enid, Oklahoma

REVISIONS			
Number	Date	Description	By
1	10/18/04	Title Sheet	
2	2/2/00	Specification Review Change	

Project Number: _____
 Project Location: _____

Sheet Title: **STANDARD CONCRETE ENDWALLS FOR DOUBLE CONCRETE PIPE CULVERTS**

Project Title: _____

DD - 5

Engr. Seal:

Date:	8/1/81
Scale:	NO SCALE
Cad File:	G:\DATA\SPEDS\005-6
Drawn By:	P.B.
Designed By:	R.H.
Approved By:	R.H.
Sheet:	of