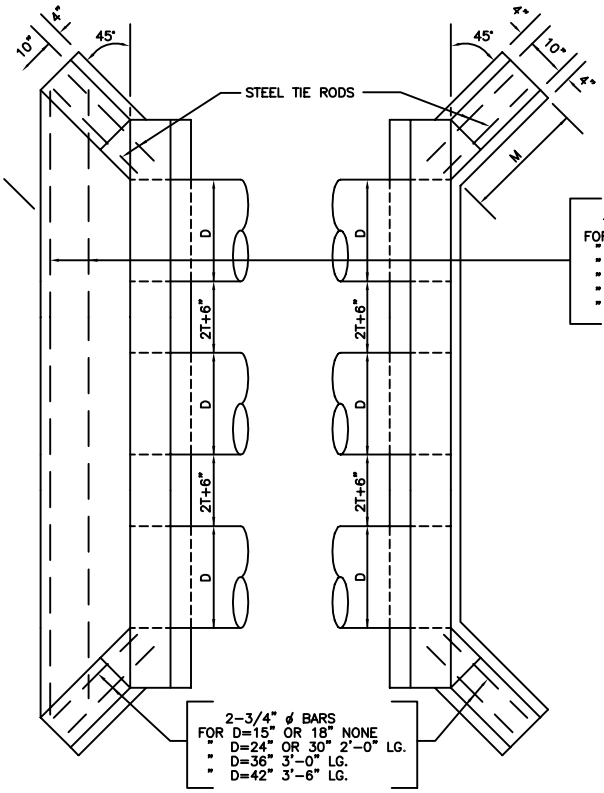


**UPSTREAM END
END ELEVATION**



SECTION N-N

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.

FOR 1/2" ϕ BARS

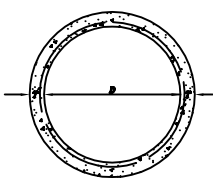
D=15"	2'-7"-0"	LG.
D=18"	4'-8"-6"	
D=24"	4'-10'-10"	
D=30"	4'-13'-0"	
D=36"	4'-15'-4"	
D=42"	6'-17'-11"	

3'-0"	D=15"
3'-5"	D=18"
4'-0"	D=24"
4'-8"	D=30"
5'-4"	D=36"
6'-0"	D=42"
7'-6"	D=15"
8'-4"	D=18"
10'-0"	D=24"
11'-8"	D=30"
13'-4"	D=36"
15'-0"	D=42"

BENDING BARS B

TABLE OF DIMENSION & QUANTITIES FOR ENDWALLS WITH 45° WINGS

OPENING D	DIMENSIONS					QUANTITIES IN ONE ENDWALL				ADDITIONAL MATERIAL REQUIRED FOR APRON			
	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.				TOTAL CU.YD.
15"	3.7	2'-3"	7'-10"	1'-0"	1'-1"	1'-2"	10.8	15.1	25.9	.96	62.	.10	10.
18"	5.3	2'-6"	8'-8"	1'-2"	1'-7"	1'-3"	13.5	19.7	33.2	1.23	70.	.25	23.
24"	9.4	3'-0"	10'-4"	1'-5"	2'-1"	1'-4"	18.5	26.3	44.8	1.66	95.	.50	29.
30"	14.7	3'-6"	12'-0"	1'-9"	2'-5"	1'-6"	23.7	34.8	58.5	2.17	109.	.82	35.
36"	21.2	4'-0"	13'-8"	2'-0"	2'-11"	1'-8"	29.9	45.4	75.3	2.79	128.	1.37	41.
42"	28.9	4'-6"	15'-4"	2'-3"	3'-6"	1'-10"	37.2	57.7	94.9	3.51	145.	2.16	72.



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
 401 West Owen A. Garrett Road
 Enid, Oklahoma 73708
 Telephone: (580) 231-0000 Fax: (580) 231-0048

Contacts:
 Robert Hitt, Director of Engineering Services, Ext. 344
 Jason Brinkley, Civil Engineer, Ext. 346

The City Of Enid, Oklahoma

REVISIONS

Number	Date	Description
1	10/19/04	Title Sheet
2	3/3/00	Specification Review Change

Project Number: _____
 Project Location: _____

STANDARD ENDWALLS FOR TRIPLE CONCRETE PIPE CULVERTS

Sheet Title: _____
 Project Title: _____

DD - 6

Engr. Seal:

Date:	8/1/81
Scale:	NO SCALE
Cad File:	Q:\DATA\SPCS\DD6-8
Drawn By:	P.B.
Designed By:	R.H.
Approved By:	R.H.
Sheet:	of