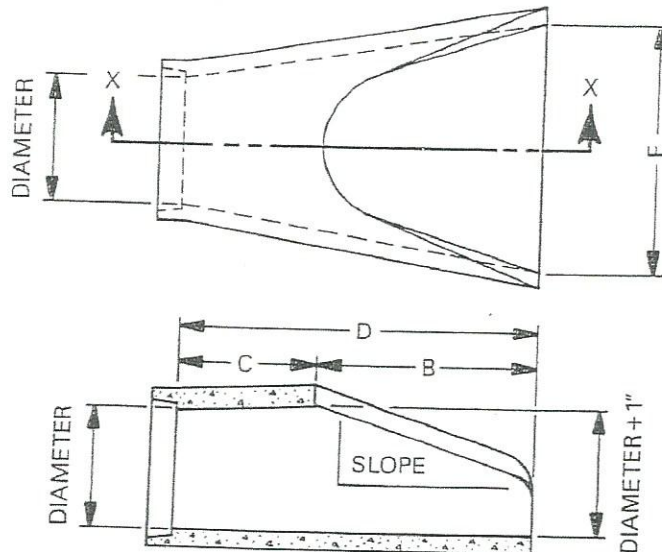


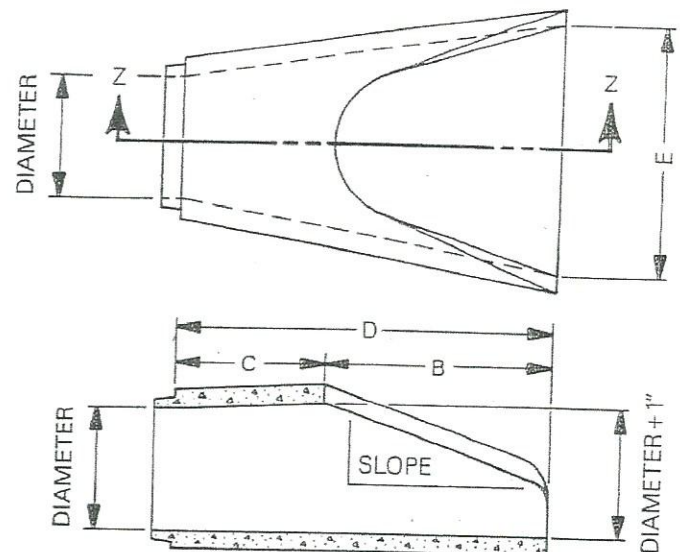
Flared End Section Detail 12"-72" Diameter

FLARED END SECTION-OUTLET



SECTION X-X

FLARED END SECTION-INLET



SECTION Z-Z

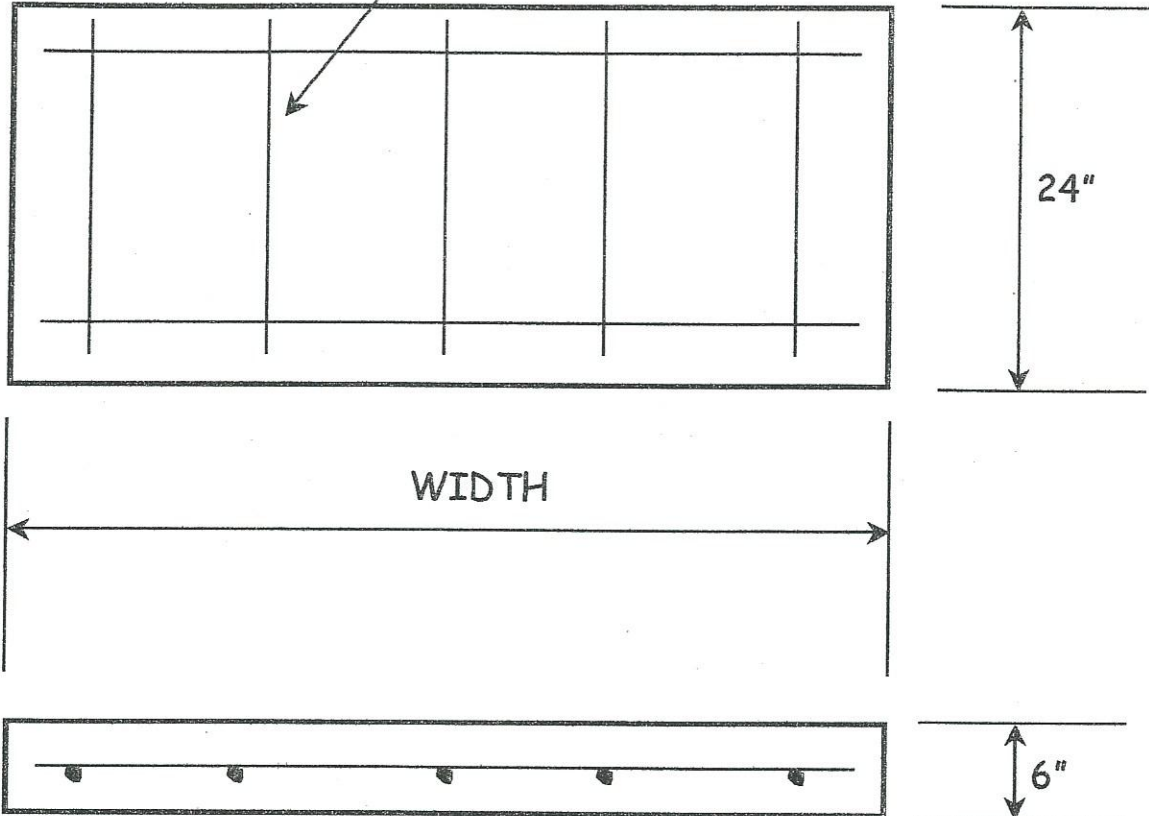
Pipe Diameter	Wall Thickness	Slope	B	C	D	E	Unit Weight
12	2¼	3:1	24	49	73	24	730
15	2¼	3:1	27	46	73	30	910
18	2½	3:1	27	46	73	36	1190
21	2¾	3:1	36	37	73	42	1370
24	3	3:1	42	31½	73½	48	1770
27	3¼	3:1	48	25½	73½	54	2130
30	3½	3:1	54	19¾	73¾	60	2380
33	3¾	3:1	60	36	96	66	3870
36	4	3:1	63	34¾	97¾	72	5320
42	4½	3:1	63	35	98	78	5920
48	5	3:1	72	26	98	84	7470
54	5½	2.4:1	66	34	100	90	8810
60	6	2:1	60	39	99	96	11180
72	7	2:1	78	21	99	108	13980

Dimensions in inches weights in pounds

NOTES:

Structural Design of Concrete End Section shall conform with that of ASTM C-76

#4 bars @ 6" O.C. each way - 2" clear of bottom



WIDTH:

12", 15" and 18" Flared End Sections	42"	500lbs.
21", 24" and 27" Flared End Sections	60"	740lbs.
30", 36", 42" and 48" Flared End Sections	96"	1,185lbs.
60" Flared End Section	108"	1,350lbs.

4360 WHITE LICK DRIVE
WHITESTOWN, IN 46075
317-769-5801PHONE
317-769-5810 FAX

PRODUCT DESCRIPTION:

TYPICAL DRAWING
FLARED END SECTION TOE WALLS

DATE: JANUARY 2003

DRAWING: 03-FESTOE