



TABLE FOR CONCRETE BLOCKING  
(250 PSI TEST PRESSURE)

MINIMUM DIMENSIONS OF BLOCKING							
FITTING	SIZE	DEPTH (FT.)	LENGTH (FT.)	"C" (IN.)	HEIGHT (FT.)	VOLUME (C.Y.)	THRUST (LB.)
11 1/4" BEND	6"	1.0	2.0	6	1.0	0.04	1,385
11 1/4" BEND	8"	1.0	2.0	7	1.0	0.05	2,465
11 1/4" BEND	10"	1.0	2.0	9	1.0	0.07	3,850
11 1/4" BEND	12"	1.0	2.5	11	1.5	0.12	5,550
11 1/4" BEND	16"	2.0	2.5	12	2.1	0.26	9,860
11 1/4" BEND	20"	2.0	3.5	15	2.5	0.48	15,406
11 1/4" BEND	24"	2.0	4.0	18	3.0	0.70	22,185
22 1/2" BEND	6"	1.0	2.0	6	1.0	0.04	2,760
22 1/2" BEND	8"	1.0	2.0	7	1.5	0.06	4,905
22 1/2" BEND	10"	1.0	2.0	9	2.0	0.10	7,665
22 1/2" BEND	12"	1.0	3.0	11	2.0	0.16	11,040
22 1/2" BEND	16"	2.0	3.5	12	3.0	0.45	19,625
22 1/2" BEND	20"	2.0	4.0	15	4.0	0.74	30,665
22 1/2" BEND	24"	3.0	5.0	18	4.5	1.47	44,160
45" BEND	6"	1.0	2.0	6	1.5	0.06	5,415
45" BEND	8"	1.0	2.5	7	2.0	0.10	9,625
45" BEND	10"	2.0	3.5	9	2.5	0.31	15,040
45" BEND	12"	2.0	3.5	11	3.0	0.41	21,655
45" BEND	16"	3.0	5.0	12	4.0	1.45	38,495
45" BEND	20"	4.0	6.0	15	5.0	2.05	60,145
45" BEND	24"	4.0	7.5	18	6.5	3.35	91,610
90" BEND	6"	1.0	2.5	12	2.0	0.13	10,005
90" BEND	8"	2.0	3.0	14	3.0	0.38	17,785
90" BEND	10"	2.5	4.5	18	3.0	0.74	27,785
90" BEND	12"	3.0	5.0	20	4.0	1.24	40,000
90" BEND	16"	4.0	6.5	26	5.5	2.91	71,125
90" BEND	20"	4.0	8.0	32	7.0	4.68	111,135
90" BEND	24"	5.0	10.0	40	8.0	8.50	160,035

NOTES:

1. SOIL BEARING STRENGTH OF 2000 PSI IS ASSUMED IN THE CALCULATIONS ABOVE. ENGINEER SHALL VERIFY.
2. COVER GLANDS AND BOLTS WITH POLYETHYLENE BEFORE PLACING CONCRETE.
3. ALLOW CONCRETE TO SET UP A MINIMUM OF 8 HOURS BEFORE PLACING BACKFILL.
4. CONCRETE SHALL BE 3000 PSI, CLASS A.
5. ALL IRON FITTINGS SHALL BE BLOCKED AND SUPPORTED AS SHOWN ABOVE.
6. VERTICAL BENDS WITH AN UPWARD THRUST SHALL BE RESTRAINED AS SHOWN IN STANDARD W715.
7. VERTICAL BENDS WITH A DOWNWARD THRUST SHALL BE RESTRAINED AS SHOWN IN STANDARD W716.

CONCRETE BLOCKING FOR BENDS

<b>CHEROKEE COUNTY WATER &amp; SEWERAGE AUTHORITY</b>	<b>CONCRETE BLOCKING DETAIL</b>  CONSTRUCTION STANDARD	DATE:	FEB. '03	STANDARD NO.  <b>W713</b>
		APPROVED:		