

TABLES OF DIMENSIONS AND QUANTITIES

A = 30°

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)	I.D. (IN.)	EARTH			ROCK		
	G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)			G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)
4.68	1.0	2.8	2.0	1.5	0.1	4.68	1.5	3.8	2.0	2.0	0.2	1.5	1.5	0.1
10.12	1.5	5.9	2.5	2.5	0.3	10.12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3
16.18	2.2	13.2	3.5	4.0	0.8	16.18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6
20	2.4	16.3	4.5	4.0	1.0	20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7
24	2.9	23.4	6.0	4.0	1.4	24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1
30	3.6	27.5	6.5	5.0	1.9	30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6
36	4.4	39.5	7.0	6.0	3.4	36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.6
42	5.1	53.8	8.0	7.0	5.1	42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2
48	5.8	70.3	9.0	8.0	7.4	48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3
54	6.5	89.0	10.0	9.0	10.3	54	9.7	131.3	15.0	9.0	17.1	10.5	6.5	8.9
60	7.3	110.0	11.0	10.0	13.9	60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0
66	8.0	132.9	12.5	11.0	18.9	66	11.8	196.5	18.5	11.0	30.1	12.0	8.5	16.2
72	8.7	156.2	13.5	12.0	24.0	72	12.9	233.9	19.5	12.0	38.6	14.0	9.5	20.7
78	9.4	185.6	14.5	13.0	30.0	78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9
84	10.1	215.3	15.5	14.0	37.1	84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.6
90	10.9	247.1	16.5	15.0	45.0	90	16.1	365.5	24.5	15.0	74.5	17.5	10.5	39.6
96	11.6	281.2	18.0	16.0	55.9	96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5

TABLES OF DIMENSIONS AND QUANTITIES

A = 67.50°

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)	I.D. (IN.)	EARTH			ROCK		
	G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)			G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)
4.68	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2	4.68	2.7	7.1	5.0	1.5	0.4
10.12	3.1	12.8	5.5	2.5	0.8	3.5	2.0	0.4	10.12	4.0	16.0	6.5	2.5	1.0
16.18	4.7	28.3	7.5	4.0	1.9	5.5	3.0	0.9	16.18	6.0	36.0	9.0	4.0	2.4
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2	20	6.6	44.4	10.0	4.5	3.1
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6	24	7.9	64.0	14.5	4.5	5.0
30	7.8	69.9	12.0	5.0	4.8	7.5	4.0	2.2	30	9.9	75.0	15.0	5.0	6.7
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8	36	11.9	108.0	16.0	6.0	11.4
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3	42	13.9	147.0	21.0	7.0	17.8
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2	48	15.9	192.0	24.0	8.0	26.2
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9	54	17.9	243.0	27.0	9.0	36.9
60	15.6	235.8	24.0	10.0	35.8	16.0	7.5	17.6	60	19.9	298.8	30.0	10.0	50.3
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0	66	21.8	362.8	33.0	11.0	66.2
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4	72	23.8	431.8	36.0	12.0	85.6
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4	78	25.7	506.7	39.0	13.0	108.2
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5	84	27.7	587.7	42.0	14.0	134.4
90	23.3	530.5	36.5	15.0	114.4	24.5	11.0	58.2	90	29.6	674.6	45.0	15.0	164.9
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0	96	31.6	767.5	48.0	16.0	199.0

TABLES OF DIMENSIONS AND QUANTITIES

A = 90°

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)	I.D. (IN.)	EARTH			ROCK		
	G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)			G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)
4.68	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2	4.68	2.7	7.1	5.0	1.5	0.4
10.12	3.1	12.8	5.5	2.5	0.8	3.5	2.0	0.4	10.12	4.0	16.0	6.5	2.5	1.0
16.18	4.7	28.3	7.5	4.0	1.9	5.5	3.0	0.9	16.18	6.0	36.0	9.0	4.0	2.4
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2	20	6.6	44.4	10.0	4.5	3.1
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6	24	7.9	64.0	14.5	4.5	5.0
30	7.8	69.9	12.0	5.0	4.8	7.5	4.0	2.2	30	9.9	75.0	15.0	5.0	6.7
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8	36	11.9	108.0	16.0	6.0	11.4
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3	42	13.9	147.0	21.0	7.0	17.8
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2	48	15.9	192.0	24.0	8.0	26.2
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9	54	17.9	243.0	27.0	9.0	36.9
60	15.6	235.8	24.0	10.0	35.8	16.0	7.5	17.6	60	19.9	298.8	30.0	10.0	50.3
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0	66	21.8	362.8	33.0	11.0	66.2
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4	72	23.8	431.8	36.0	12.0	85.6
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4	78	25.7	506.7	39.0	13.0	108.2
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5	84	27.7	587.7	42.0	14.0	134.4
90	23.3	530.5	36.5	15.0	114.4	24.5	11.0	58.2	90	29.6	674.6	45.0	15.0	164.9
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0	96	31.6	767.5	48.0	16.0	199.0

**UTILITY DETAILS**

**HORIZONTAL THRUST BLOCK AT PIPE BEND**

SECTION X-X

PLAN

SECTION X-X

TABLES OF DIMENSIONS AND QUANTITIES

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)	I.D. (IN.)	EARTH			ROCK		
	G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)			G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)
4.68	0.4	1.5	1.5	1.5	1.5	1.5	0.8	10.12	0.5	1.5	1.5	1.5	1.2	
16.18	0.6	1.5	1.5	1.5	1.8	1.8	1.8	20	0.7	1.5	1.5	1.5	2.1	
24	0.9	1.5	1.5	1.5	1.9	2.6	2.6	30	0.9	1.5	1.5	1.5	2.6	
36	1.5	2.5	3.3	3.3	3.3	3.3	3.3	42	1.5	2.5	3.3	3.3	3.3	
48	2.0	3.0	4.0	4.0	4.0	4.3	4.3	54	2.0	3.0	4.0	4.0	4.3	
60	2.5	3.8	5.0	5.0	5.0	5.3	5.3	66	2.5	3.8	5.0	5.0	5.3	
72	3.0	4.5	6.0	6.0	6.0	6.3	6.3	78	3.0	4.5	6.0	6.0	6.3	
84	3.5	5.3	7.0	7.0	7.0	7.2	7.2	90	3.5	5.3	7.0	7.0	7.2	
96	4.0	6.0	8.0	8.0	8.0	8.2	8.2	96	4.0	6.0	8.0	8.0	8.2	

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010

REV DATE:

REVISIONS:

10 DEC 14

REVISION Schedule

12/10/14

DESCRIPTION

REVISIONS

COMMENTS

LAZY DOG RESTAURANT & BAR

PROJECT NAME: LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS: VILLAGE ON THE PARKWAY 5100 BELT LINE ROAD, SUITE 500 ADDISON, TX 75254

BUILDING DEPT. 2nd SUBMITTAL / BID SET

PROJECT # C-LDR-004

ISSUE DATE: 10-22-2014

SHEET: 51-100

TABLES OF DIMENSIONS AND QUANTITIES

A = 11.25°

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)	I.D. (IN.)	EARTH			ROCK		
	G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)			G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)
4.68	0.4	1.0	1.0	1.0	1.0	1.0	0.1	10.12	0.5	1.0	1.0	1.0	0.1	
16.18	0.6	1.5	1.5	1.5	1.5	1.5	0.1	20	0.7	1.5	1.5	1.5	0.1	
24	0.9	1.5	1.5	1.5	1.5	1.5	0.1	30	0.9	1.5	1.5	1.5	0.1	
36	1.5	2.5	3.3	3.3	3.3	3.3	0.3	42	1.5	2.5	3.3	3.3	0.3	
48	2.0	3.0	4.0	4.0	4.0	4.3	0.4	54	2.0	3.0	4.0	4.0	0.4	
60	2.5	3.8	5.0	5.0	5.0	5.3	0.5	66	2.5	3.8	5.0	5.0	0.5	
72	3.0	4.5	6.0	6.0	6.0	6.3	0.6	78	3.0	4.5	6.0	6.0	0.6	
84	3.5	5.3	7.0	7.0	7.0	7.2	0.7	90	3.5	5.3	7.0	7.0	0.7	
96	4.0	6.0	8.0	8.0	8.0	8.2	0.8	96	4.0	6.0	8.0	8.0	0.8	

TABLES OF DIMENSIONS AND QUANTITIES

A = 22.50°

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)	I.D. (IN.)	EARTH			ROCK		
	G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)			G THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)	C THRUST (FT.)	A VOL. (FT.)	B VOL. (FT.)
4.68	0.4	1.0	1.0	1.0	1.0	1.0	0.1	10.12	0.5	1.0	1.0	1.0	0.1	
16.18	0.6	1.5	1.5	1.5	1.5	1.5	0.1	20	0.7	1.5	1.5	1.5	0.1	
24	0.9	1.5	1.5	1.5	1.5	1.5	0.1	30	0.9	1.5	1.5	1.5	0.1	
36	1.5	2.5	3.3	3.3	3.3	3.3	0.3	42	1.5	2.5	3.3	3.3	0.3	
48	2.0	3.0	4.0	4.0	4.0	4.3	0.4	54	2.0	3.0	4.0	4.0	0.4	
60	2.5	3.8	5.0	5.0	5.0	5.3	0.5	66	2.5	3.8	5.0	5.0	0.5	
72	3.0	4.5	6.0	6.0	6.0	6.3	0.6	78	3.0	4.5	6.0	6.0	0.6	
84	3.5	5.3	7.0	7.0	7.0	7.2	0.7	90	3.5	5.3	7.0	7.0	0.7	
96	4.0	6.0	8.0	8.0	8.0	8.2	0.8	96	4.0	6.0	8.0	8.0	0.8	

**UTILITY DETAILS**

**HORIZONTAL THRUST BLOCK AT PIPE BEND**

SECTION X-X

PLAN

SECTION X-X

TABLES OF DIMENSIONS AND QUANTITIES

I.D. (IN.)	EARTH			ROCK			VOL. (C.Y.)
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