

GREGG DRILLING AND TESTING, INC.

GEOTECHNICAL, ENVIRONMENTAL AND MARINE SITE INVESTIGATION SERVICES

VOLUME OF OPEN BOREHOLES AND ANNULUS							
Between Casing and Hole							
Hole Diameter	Volume/Linear Ft. of Hole		Nominal Casing Diameter	Volume Gal/Linear Ft. of Annulus		Lbs Sand/Linear Ft. of Annulus	Lbs ½" Pellets Per Linear Ft. of Annulus
	Gal.	Cu Ft.		Gal.	Cu Ft.		
7 ¼"	2.14	0.29	1 ¼"	2.03	0.27	27	21
7 ¼"	2.14	0.29	2"	1.91	0.26	26	20
7 ¾"	2.45	0.33	2"	2.22	0.30	30	23
8 ¼"	2.78	0.37	2"	2.55	0.34	34	26
10 ¼"	4.29	0.57	2"	4.06	0.54	54	41
8 ¼"	2.78	0.37	3"	2.28	0.30	30	23
10 ¼"	4.29	0.57	3"	3.79	0.51	51	38
12 ¼"	6.13	0.82	3"	5.62	0.75	75	57
8 ¼"	2.78	0.37	4"	1.95	0.26	26	20
10 ¼"	4.29	0.57	4"	3.46	0.46	46	35
12 ¼"	6.13	0.82	4"	5.30	0.71	71	54
12 ¼"	6.13	0.82	6"	4.33	0.58	58	44

VOLUME OF SCHEDULE 40 PVC PIPE				
Diameter	O.D.	I.D.	Volume Gal/Linear Ft.	Weight of Water Lbs/Linear Ft.
1 ¼"	1.660"	1.380"	0.08	0.64
2"	2.375"	2.067"	0.17	1.45
3"	3.500"	3.068"	0.38	3.20
4"	4.500"	4.026"	0.66	5.51
6"	6.625"	6.065"	1.50	12.50
8"	8.625"	7.981"	2.60	21.65
12"	12.750"	11.938"	5.81	48.44

WEIGHTS & DIMENSIONS				
PVC PIPE & SLOTTEN SCREEN				
Schedule 40				
Pipe Size	Pipe O.D.	Pipe I.D.	Approx. Ship Wt.	Rows of Slots
1 ¼"	1.660"	1.380"	0.43 lbs/ft	3
2"	2.375"	2.067"	0.70 lbs/ft	3
4"	4.500"	4.026"	2.00 lbs/ft	6
6"	6.625"	6.065"	3.45 lbs/ft	8
8"	8.625"	7.981"	5.22 lbs/ft	10
Schedule 80				
Pipe Size	Pipe O.D.	Pipe I.D.	Approx. Ship. Wt.	Rows of Slots
2"	2.375"	1.939"	0.93 lbs/ft	3
4"	4.500"	3.826"	2.70 lbs/ft	6

# OF DRUMS PER FOOT OF AUGER			
11" Augers	1 Drum Per 10 Feet	6 ½" Augers	1 Drum Per 25 Feet
8" Augers	1 Drum Per 15 Feet	5" Augers	1 Drum Per 50 Feet

MISCELLANEOUS DATA

1 Cu. Ft. = 7.5 Gal. (approx.)
 1 Gallon = 0.134 Cu. Ft. (approx.)
 1 Cu. Yd. = 202 Gal. (approx.)
 1 Gallon = 0.005 Cu. Yd. (approx.)

1 Gallon of Water = 8.34 lbs (approx.)
 1 Cu. Ft. of Fresh Water = 62.4lbs (approx.)
 PSI = 0.434 x the height of the water column in feet
 Feet of Head = PSI x 2.304

1 Barrel = 42 Gallons (approx.)
 1 Sack of Sand = 1 Cu. Ft. and approx. 100 lbs
 1 Sack of Cement = 1 Cu. Ft. and approx. 96 lbs.
 1 Pail of Bentonite Pellets = 50 lbs (approx.)



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