

MUNICIPAL DEPARTMENT

QUANTITY OF MORTAR REQUIRED FOR PIPE SEWER JOINTS.

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The accompanying table showing the amount of cement and sand required for filling the joints of vitrified sewer pipes is based on the width of cement space, depth of hubs and thickness of pipes as given in the trade lists and is computed with the supposition that the cement outside of the annular space is formed with a bevel of 45 degrees. This table will enable the engineer or contractor to arrive at a close idea of the amount of cement that will be

Table showing amount of Mortar for joints of Sewer Pipes.

Diameter of Pipe (Outside)	Diameter of Hub (Outside)	Width of Cement Space	Depth of Hub	Cement		Sand	
				Cu. Ft.	Lbs.	Cu. Ft.	Lbs.
12	12	1/8	1 1/2	0.142	1.00	0.35	2.50
14	14	1/8	1 1/2	0.218	1.50	0.52	3.75
16	16	1/8	1 1/2	0.294	2.00	0.69	5.00
18	18	1/8	1 1/2	0.370	2.50	0.86	6.25
20	20	1/8	1 1/2	0.446	3.00	1.03	7.50
22	22	1/8	1 1/2	0.522	3.50	1.20	8.75
24	24	1/8	1 1/2	0.598	4.00	1.37	10.00
26	26	1/8	1 1/2	0.674	4.50	1.54	11.25
28	28	1/8	1 1/2	0.750	5.00	1.71	12.50
30	30	1/8	1 1/2	0.826	5.50	1.88	13.75
32	32	1/8	1 1/2	0.902	6.00	2.05	15.00
34	34	1/8	1 1/2	0.978	6.50	2.22	16.25
36	36	1/8	1 1/2	1.054	7.00	2.39	17.50
38	38	1/8	1 1/2	1.130	7.50	2.56	18.75
40	40	1/8	1 1/2	1.206	8.00	2.73	20.00
42	42	1/8	1 1/2	1.282	8.50	2.90	21.25
44	44	1/8	1 1/2	1.358	9.00	3.07	22.50
46	46	1/8	1 1/2	1.434	9.50	3.24	23.75
48	48	1/8	1 1/2	1.510	10.00	3.41	25.00
50	50	1/8	1 1/2	1.586	10.50	3.58	26.25
52	52	1/8	1 1/2	1.662	11.00	3.75	27.50
54	54	1/8	1 1/2	1.738	11.50	3.92	28.75
56	56	1/8	1 1/2	1.814	12.00	4.09	30.00
58	58	1/8	1 1/2	1.890	12.50	4.26	31.25
60	60	1/8	1 1/2	1.966	13.00	4.43	32.50
62	62	1/8	1 1/2	2.042	13.50	4.60	33.75
64	64	1/8	1 1/2	2.118	14.00	4.77	35.00
66	66	1/8	1 1/2	2.194	14.50	4.94	36.25
68	68	1/8	1 1/2	2.270	15.00	5.11	37.50
70	70	1/8	1 1/2	2.346	15.50	5.28	38.75
72	72	1/8	1 1/2	2.422	16.00	5.45	40.00
74	74	1/8	1 1/2	2.498	16.50	5.62	41.25
76	76	1/8	1 1/2	2.574	17.00	5.79	42.50
78	78	1/8	1 1/2	2.650	17.50	5.96	43.75
80	80	1/8	1 1/2	2.726	18.00	6.13	45.00
82	82	1/8	1 1/2	2.802	18.50	6.30	46.25
84	84	1/8	1 1/2	2.878	19.00	6.47	47.50
86	86	1/8	1 1/2	2.954	19.50	6.64	48.75
88	88	1/8	1 1/2	3.030	20.00	6.81	50.00
90	90	1/8	1 1/2	3.106	20.50	6.98	51.25
92	92	1/8	1 1/2	3.182	21.00	7.15	52.50
94	94	1/8	1 1/2	3.258	21.50	7.32	53.75
96	96	1/8	1 1/2	3.334	22.00	7.49	55.00
98	98	1/8	1 1/2	3.410	22.50	7.66	56.25
100	100	1/8	1 1/2	3.486	23.00	7.83	57.50
102	102	1/8	1 1/2	3.562	23.50	8.00	58.75
104	104	1/8	1 1/2	3.638	24.00	8.17	60.00
106	106	1/8	1 1/2	3.714	24.50	8.34	61.25
108	108	1/8	1 1/2	3.790	25.00	8.51	62.50
110	110	1/8	1 1/2	3.866	25.50	8.68	63.75
112	112	1/8	1 1/2	3.942	26.00	8.85	65.00
114	114	1/8	1 1/2	4.018	26.50	9.02	66.25
116	116	1/8	1 1/2	4.094	27.00	9.19	67.50
118	118	1/8	1 1/2	4.170	27.50	9.36	68.75
120	120	1/8	1 1/2	4.246	28.00	9.53	70.00
122	122	1/8	1 1/2	4.322	28.50	9.70	71.25
124	124	1/8	1 1/2	4.398	29.00	9.87	72.50
126	126	1/8	1 1/2	4.474	29.50	10.04	73.75
128	128	1/8	1 1/2	4.550	30.00	10.21	75.00
130	130	1/8	1 1/2	4.626	30.50	10.38	76.25
132	132	1/8	1 1/2	4.702	31.00	10.55	77.50
134	134	1/8	1 1/2	4.778	31.50	10.72	78.75
136	136	1/8	1 1/2	4.854	32.00	10.89	80.00
138	138	1/8	1 1/2	4.930	32.50	11.06	81.25
140	140	1/8	1 1/2	5.006	33.00	11.23	82.50
142	142	1/8	1 1/2	5.082	33.50	11.40	83.75
144	144	1/8	1 1/2	5.158	34.00	11.57	85.00
146	146	1/8	1 1/2	5.234	34.50	11.74	86.25
148	148	1/8	1 1/2	5.310	35.00	11.91	87.50
150	150	1/8	1 1/2	5.386	35.50	12.08	88.75
152	152	1/8	1 1/2	5.462	36.00	12.25	90.00
154	154	1/8	1 1/2	5.538	36.50	12.42	91.25
156	156	1/8	1 1/2	5.614	37.00	12.59	92.50
158	158	1/8	1 1/2	5.690	37.50	12.76	93.75
160	160	1/8	1 1/2	5.766	38.00	12.93	95.00
162	162	1/8	1 1/2	5.842	38.50	13.10	96.25
164	164	1/8	1 1/2	5.918	39.00	13.27	97.50
166	166	1/8	1 1/2	5.994	39.50	13.44	98.75
168	168	1/8	1 1/2	6.070	40.00	13.61	100.00
170	170	1/8	1 1/2	6.146	40.50	13.78	101.25
172	172	1/8	1 1/2	6.222	41.00	13.95	102.50
174	174	1/8	1 1/2	6.298	41.50	14.12	103.75
176	176	1/8	1 1/2	6.374	42.00	14.29	105.00
178	178	1/8	1 1/2	6.450	42.50	14.46	106.25
180	180	1/8	1 1/2	6.526	43.00	14.63	107.50
182	182	1/8	1 1/2	6.602	43.50	14.80	108.75
184	184	1/8	1 1/2	6.678	44.00	14.97	110.00
186	186	1/8	1 1/2	6.754	44.50	15.14	111.25
188	188	1/8	1 1/2	6.830	45.00	15.31	112.50
190	190	1/8	1 1/2	6.906	45.50	15.48	113.75
192	192	1/8	1 1/2	6.982	46.00	15.65	115.00
194	194	1/8	1 1/2	7.058	46.50	15.82	116.25
196	196	1/8	1 1/2	7.134	47.00	15.99	117.50
198	198	1/8	1 1/2	7.210	47.50	16.16	118.75
200	200	1/8	1 1/2	7.286	48.00	16.33	120.00
202	202	1/8	1 1/2	7.362	48.50	16.50	121.25
204	204	1/8	1 1/2	7.438	49.00	16.67	122.50
206	206	1/8	1 1/2	7.514	49.50	16.84	123.75
208	208	1/8	1 1/2	7.590	50.00	17.01	125.00
210	210	1/8	1 1/2	7.666	50.50	17.18	126.25
212	212	1/8	1 1/2	7.742	51.00	17.35	127.50
214	214	1/8	1 1/2	7.818	51.50	17.52	128.75
216	216	1/8	1 1/2	7.894	52.00	17.69	130.00
218	218	1/8	1 1/2	7.970	52.50	17.86	131.25
220	220	1/8	1 1/2	8.046	53.00	18.03	132.50
222	222	1/8	1 1/2	8.122	53.50	18.20	133.75
224	224	1/8	1 1/2	8.198	54.00	18.37	135.00
226	226	1/8	1 1/2	8.274	54.50	18.54	136.25
228	228	1/8	1 1/2	8.350	55.00	18.71	137.50
230	230	1/8	1 1/2	8.426	55.50	18.88	138.75
232	232	1/8	1 1/2	8.502	56.00	19.05	140.00
234	234	1/8	1 1/2	8.578	56.50	19.22	141.25
236	236	1/8	1 1/2	8.654	57.00	19.39	142.50
238	238	1/8	1 1/2	8.730	57.50	19.56	143.75
240	240	1/8	1 1/2	8.806	58.00	19.73	145.00
242	242	1/8	1 1/2	8.882	58.50	19.90	146.25
244	244	1/8	1 1/2	8.958	59.00	20.07	147.50
246	246	1/8	1 1/2	9.034	59.50	20.24	148.75
248	248	1/8	1 1/2	9.110	60.00	20.41	150.00
250	250	1/8	1 1/2	9.186	60.50	20.58	151.25
252	252	1/8	1 1/2	9.262	61.00	20.75	152.50
254	254	1/8	1 1/2	9.338	61.50	20.92	153.75
256	256	1/8	1 1/2	9.414	62.00	21.09	155.00
258	258	1/8	1 1/2	9.490	62.50	21.26	156.25
260	260	1/8	1 1/2	9.566	63.00	21.43	157.50
262	262	1/8	1 1/2	9.642	63.50	21.60	158.75
264	264	1/8	1 1/2	9.718	64.00	21.77	160.00
266	266	1/8	1 1/2	9.794	64.50	21.94	161.25
268	268	1/8	1 1/2	9.870	65.00	22.11	162.50
270	270	1/8	1 1/2	9.946	65.50	22.28	163.75
272	272	1/8	1 1/2	10.022	66.00	22.45	165.00
274	274	1/8	1 1/2	10.098	66.50	22.62	166.25
276	276	1/8	1 1/2	10.174	67.00	22.79	167.50
278	278	1/8	1 1/2	10.250	67.50	22.96	168.75
280	280	1/8	1 1/2	10.326	68.00	23.13	170.00
282	282	1/8	1 1/2	10.402	68.50	23.30	171.25
284	284	1/8	1 1/2	10.478	69.00	23.47	172.50
286	286	1/8	1 1/2	10.554	69.50	23.64	173.75
288	288	1/8	1 1/2	10.630	70.00	23.81	175.00
290	290	1/8	1 1/2	10.706	70.50	23.98	176.25
292	292	1/8	1 1/2	10.782	71.00	24.15	177.50
294	294	1/8	1 1/2	10.858	71.50	24.32	178.75
296	296	1/8	1 1/2	10.934	72.00	24.49	180.00
298	298	1/8	1 1/2	11.010	72.50	24.66	181.25
300	300	1/8	1 1/2	11.086	73.00	24.83	182.50
302	302	1/8	1 1/2	11.162	73.50	25.00	183.75
304	304	1/8	1 1/2	11.238	74.00	25.17	185.00
306	306	1/8	1 1/2	11.314	74.50	25.34	186.25
308	308	1/8	1 1/2	11.390	75.00	25.51	187.50
310	310	1/8	1 1/2	11.466	75.50	25.68	188.75
312	312	1/8	1 1/2	11			