

LAKEWOOD TOWNSHIP MUNICIPAL UTILITIES AUTHORITY  
 ABANDONMENT COST ESTIMATING SCHEDULE  
 FOR THE BONDING OF PROPOSED  
 WASTE WATER COLLECTION SYSTEMS

EFFECTIVE : FEBRUARY 13, 2019

Item	Description	Unit	Unit Price
1	4" thru 24" Pipe (abandoned in place)	LF	\$5.50
2	4" thru 8" PVC (Removed)	LF	\$13.50
3	10" PVC (Removed)	LF	\$19.00
4	12" PVC (Removed)	LF	\$28.00
5	15" PVC (Removed)	LF	\$30.00
6	18" PVC (Removed)	LF	\$38.00
7	21" PVC (Removed)	LF	\$41.00
8	24" PVC (Removed)	LF	\$44.00
9	Compaction W/O cert	VF X LF	\$2.50
10	Compaction @ 95%	VF X LF	\$4.25
11	Manhole 0' - 10' Deep (Abandoned In Place)	EACH	\$1,669.00
12	Manhole 10' - 16' Deep (Abandoned In Place)	EACH	\$2,562.00
13	Manhole 16' - 20' Deep (Abandoned In Place)	EACH	\$3,320.00
14	Manhole 0' - 8' Deep (Removed)	EACH	\$2,562.00
15	Manhole 8' - 10' Deep (Removed)	EACH	\$2,942.00
16	Manhole 10' - 12' Deep (Removed)	EACH	\$3,320.00
17	Manhole 12' - 14' Deep (Removed)	EACH	\$3,796.00
18	Manhole 14' - 16' Deep (Removed)	EACH	\$4,550.00
19	Manhole 16' - 18' Deep (Removed)	EACH	\$5,217.00
20	Manhole 18' - 20' Deep (Removed)	EACH	\$5,880.00
21	Drop Manhole (Add)	EACH	\$835.00
22	By Pass Pumping	Day	\$8,724.00
23	Manhole Platform	EACH	\$947.00
24	Wellpoint Dewatering 0'-12'	LF	\$58.00
25	Wellpoint Dewatering 12'-18'	LF	\$79.00
26	Deepwell Dewatering	LF	\$126.00
27	4" & 6" Force Main DIP (Removed)	LF	\$19.00
28	8" & 10" Force Main DIP (Removed)	LF	\$26.00
29	4" & 6" ACP (Removed)	LF	\$64.00
30	8" & 10" ACP (Removed)	LF	\$79.00
31	12" & 14" ACP (Removed)	LF	\$91.00
32	Standard House Connection (Removed)	EACH	\$1,213.00
33	Deep House Connection (Removed)	EACH	\$1,632.00
34	House Connection > 30 Feet (Removed)	LF	\$28.00
35	Standard House Connection (Abandoned)	EACH	\$247.00
36	Deep House Connection (Abandoned )	EACH	\$416.00
37	Stone Bedding	CY	\$59.00
38	Municipal Road Restoration	SY	\$96.00
39	County Road Restoration	SY	\$129.00
40	Concrete Sidewalk Restoration	SF	\$8.00
41	Concrete Pad/Pavement Restoration	CF	\$27.00
42	Traffic Control Devices	EACH	\$4,390.00
43	Traffic Control Personnel	Hr	\$114.00
44	Seed, Fertilizer, & Mulch	SY	\$15.00
45	Clearing & Grubbing over 1 Acre	AC	\$15,857.00
46	Clearing & Grubbing under 1 Acre	SY	\$7.50
47	Engineering & Stakeout	LF	\$7.00
48	As-Built	LF	\$6.00

LAKEWOOD TOWNSHIP MUNICIPAL UTILITIES AUTHORITY			
CONSTRUCTION COST ESTIMATING SCHEDULE			
FOR THE BONDING OF PROPOSED			
WASTE WATER COLLECTION SYSTEMS			
EFFECTIVE : FEBRUARY 13, 2019			
Item	Description	Unit	Unit Price
1	8" SDR-35 0' - 8' Deep	LF	\$48.00
2	8" SDR-35 8' - 10' Deep	LF	\$59.00
3	8" SDR-35 10' - 12' Deep	LF	\$64.00
4	8" SDR-35 12' - 14' Deep	LF	\$74.00
5	8" SDR-35 14' - 16' Deep	LF	\$94.00
6	8" C-900 12' - 14' Deep	LF	\$91.00
7	8" C-900 14' - 16' Deep	LF	\$113.00
8	8" C-900 16' - 18' Deep	LF	\$128.00
9	8" C-900 18' - 20' Deep	LF	\$145.00
10	8" C-900 20' - 22' Deep	LF	\$171.00
11	8" C-900 22' - 24' Deep	LF	\$190.00
12	8" PROTECTO DIP 0' - 8' Deep	LF	\$90.00
13	8" PROTECTO DIP 8' - 10' Deep	LF	\$111.00
14	8" PROTECTO DIP 10' - 12' Deep	LF	\$121.00
15	8" PROTECTO DIP 12' - 14' Deep	LF	\$139.00
16	8" PROTECTO DIP 14' - 16' Deep	LF	\$160.00
17	8" PROTECTO DIP 16' - 18' Deep	LF	\$181.00
18	8" PROTECTO DIP 18' - 20' Deep	LF	\$203.00
19	8" PROTECTO DIP 20' - 22' Deep	LF	\$224.00
20	8" PROTECTO DIP 22' - 24' Deep	LF	\$245.00
21	10" SDR-35 0' - 8' Deep	LF	\$58.00
22	10" SDR-35 8' - 10' Deep	LF	\$69.00
23	10" SDR-35 10' - 12' Deep	LF	\$75.00
24	10" SDR-35 12' - 14' Deep	LF	\$88.00
25	10" SDR-35 14' - 16' Deep	LF	\$109.00
26	10" C-900 12' - 14' Deep	LF	\$105.00
27	10" C-900 14' - 16' Deep	LF	\$131.00
28	10" C-900 16' - 18' Deep	LF	\$147.00
29	10" C-900 18' - 20' Deep	LF	\$165.00
30	10" C-900 20' - 22' Deep	LF	\$192.00
31	10" PROTECTO DIP 0' - 8' Deep	LF	\$107.00
32	10" PROTECTO DIP 8' - 10' Deep	LF	\$133.00
33	10" PROTECTO DIP 10' - 12' Deep	LF	\$144.00
34	10" PROTECTO DIP 12' - 14' Deep	LF	\$164.00
35	10" PROTECTO DIP 14' - 16' Deep	LF	\$186.00
36	10" PROTECTO DIP 16' - 18' Deep	LF	\$209.00
37	10" PROTECTO DIP 18' - 20' Deep	LF	\$232.00
38	10" PROTECTO DIP 20' - 22' Deep	LF	\$255.00
39	12" SDR-35 0' - 8' Deep	LF	\$66.00
40	12" SDR-35 8' - 10' Deep	LF	\$80.00
41	12" SDR-35 10' - 12' Deep	LF	\$87.00
42	12" SDR-35 12' - 14' Deep	LF	\$100.00
43	12" SDR-35 14' - 16' Deep	LF	\$125.00
44	12" C-900 12' - 14' Deep	LF	\$121.00
45	12" C-900 14' - 16' Deep	LF	\$149.00
46	12" C-900 16' - 18' Deep	LF	\$166.00
47	12" C-900 18' - 20' Deep	LF	\$190.00
48	12" C-900 20' - 22' Deep	LF	\$220.00
49	12" PROTECTO DIP 0' - 8' Deep	LF	\$126.00
50	12" PROTECTO DIP 8' - 10' Deep	LF	\$157.00
51	12" PROTECTO DIP 10' - 12' Deep	LF	\$169.00
52	12" PROTECTO DIP 12' - 14' Deep	LF	\$192.00
53	12" PROTECTO DIP 14' - 16' Deep	LF	\$217.00
54	12" PROTECTO DIP 16' - 18' Deep	LF	\$242.00
55	12" PROTECTO DIP 18' - 20' Deep	LF	\$269.00
56	12" PROTECTO DIP 20' - 22' Deep	LF	\$299.00
57	14" C-905 12' - 14' Deep	LF	\$139.00
58	14" C-905 14' - 16' Deep	LF	\$171.00
59	14" C-905 16' - 18' Deep	LF	\$190.00
60	14" C-905 18' - 20' Deep	LF	\$215.00
61	14" C-905 20' - 22' Deep	LF	\$250.00
62	14" PROTECTO DIP 0' - 8' Deep	LF	\$147.00
63	14" PROTECTO DIP 8' - 10' Deep	LF	\$183.00
64	14" PROTECTO DIP 10' - 12' Deep	LF	\$197.00
65	14" PROTECTO DIP 12' - 14' Deep	LF	\$224.00
66	14" PROTECTO DIP 14' - 16' Deep	LF	\$254.00
67	14" PROTECTO DIP 16' - 18' Deep	LF	\$282.00
68	14" PROTECTO DIP 18' - 20' Deep	LF	\$313.00
69	14" PROTECTO DIP 20' - 22' Deep	LF	\$347.00
70	15" SDR-35 0' - 8' Deep	LF	\$75.00
71	15" SDR-35 8' - 10' Deep	LF	\$92.00
72	15" SDR-35 10' - 12' Deep	LF	\$99.00
73	15" SDR-35 12' - 14' Deep	LF	\$115.00
74	15" SDR-35 14' - 16' Deep	LF	\$144.00
75	18" SDR-35 0' - 8' Deep	LF	\$89.00
76	18" SDR-35 8' - 10' Deep	LF	\$107.00
77	18" SDR-35 10' - 12' Deep	LF	\$115.00
78	18" SDR-35 12' - 14' Deep	LF	\$134.00
79	18" SDR-35 14' - 16' Deep	LF	\$167.00
80	18" C-905 12' - 14' Deep	LF	\$176.00
81	18" C-905 14' - 16' Deep	LF	\$217.00

LAKEWOOD TOWNSHIP MUNICIPAL UTILITIES AUTHORITY			
CONSTRUCTION COST ESTIMATING SCHEDULE			
FOR THE BONDING OF PROPOSED			
WASTE WATER COLLECTION SYSTEMS			
EFFECTIVE : FEBRUARY 13, 2019			
Item	Description	Unit	Unit Price
82	18" C-905 16' - 18' Deep	LF	\$242.00
83	18" C-905 18' - 20' Deep	LF	\$275.00
84	18" C-905 20' - 22' Deep	LF	\$320.00
85	18" PROTECTO DIP 0' - 8' Deep	LF	\$190.00
86	18" PROTECTO DIP 8' - 10' Deep	LF	\$237.00
87	18" PROTECTO DIP 10' - 12' Deep	LF	\$254.00
88	18" PROTECTO DIP 12' - 14' Deep	LF	\$288.00
89	18" PROTECTO DIP 14' - 16' Deep	LF	\$329.00
90	18" PROTECTO DIP 16' - 18' Deep	LF	\$365.00
91	18" PROTECTO DIP 18' - 20' Deep	LF	\$405.00
92	18" PROTECTO DIP 20' - 22' Deep	LF	\$450.00
93	20" C-905 12' - 14' Deep	LF	\$192.00
94	20" C-905 14' - 16' Deep	LF	\$237.00
95	20" C-905 16' - 18' Deep	LF	\$263.00
96	20" C-905 18' - 20' Deep	LF	\$299.00
97	20" C-905 20' - 22' Deep	LF	\$341.00
98	20" PROTECTO DIP 0' - 8' Deep	LF	\$218.00
99	20" PROTECTO DIP 8' - 10' Deep	LF	\$273.00
100	20" PROTECTO DIP 10' - 12' Deep	LF	\$294.00
101	20" PROTECTO DIP 12' - 14' Deep	LF	\$333.00
102	20" PROTECTO DIP 14' - 16' Deep	LF	\$378.00
103	20" PROTECTO DIP 16' - 18' Deep	LF	\$420.00
104	20" PROTECTO DIP 18' - 20' Deep	LF	\$467.00
105	20" PROTECTO DIP 20' - 22' Deep	LF	\$518.00
106	21" SDR-35 0' - 8' Deep	LF	\$97.00
107	21" SDR-35 8' - 10' Deep	LF	\$117.00
108	21" SDR-35 10' - 12' Deep	LF	\$126.00
109	21" SDR-35 12' - 14' Deep	LF	\$146.00
110	21" SDR-35 14' - 16' Deep	LF	\$181.00
111	Shallow Manhole 0' - 6.5' Deep	EACH	\$7,099.00
112	Standard Manhole 6.5' - 8' Deep	EACH	\$4,174.00
113	Standard Manhole 8' - 10' Deep	EACH	\$4,550.00
114	Standard Manhole 10' - 12' Deep	EACH	\$4,932.00
115	Standard Manhole 12' - 14' Deep	EACH	\$5,500.00
116	Standard Manhole 14' - 16' Deep	EACH	\$5,880.00
117	Standard Manhole 16' - 18' Deep	EACH	\$6,827.00
118	Standard Manhole 18' - 20' Deep	EACH	\$7,870.00
119	By Pass Pumping	Day	\$8,724.00
120	Manhole Platform	EACH	\$8,724.00
121	Drop (wide) MH 0' - 8' Deep	EACH	\$9,481.00
122	Drop (wide) MH 8' - 10' Deep	EACH	\$10,053.00
123	Drop (wide) MH 10' - 12' Deep	EACH	\$10,623.00
124	Drop (wide) MH 12' - 14' Deep	EACH	\$11,188.00
125	Drop (wide) MH 14' - 16' Deep	EACH	\$11,756.00
126	Drop (wide) MH 16' - 18' Deep	EACH	\$12,332.00
127	Drop (wide) MH 18' - 20' Deep	EACH	\$13,696.00
128	Manhole Drop	VF	\$416.00
129	Connection to Existing Manhole	EACH	\$6,827.00
130	Wellpoint Dewatering 0'-12'	LF	\$58.00
131	Wellpoint Dewatering 12'-18'	LF	\$79.00
132	Deepwell Dewatering	LF	\$126.00
133	4" Force Main	LF	\$39.00
134	6" Force Main	LF	\$43.00
135	8" Force Main	LF	\$59.00
136	10" Force Main	LF	\$69.00
137	Jack & Bore Depths less than 10' Deep	LF	\$565.00
138	Jack & Bore Depths 10' Deep & Greater	LF	\$1,131.00
139	Standard House Connection	EACH	\$1,185.00
140	Deep House Connection	EACH	\$1,567.00
141	House Connection Excess of 30 Feet	LF	\$70.00
142	Stone Bedding	CY	\$59.00
143	Concrete Cradle	EACH	\$3,743.00
144	Municipal Road Restoration	SY	\$96.00
145	County Road Restoration	SY	\$129.00
146	Concrete Sidewalk Restoration	SF	\$8.00
147	Concrete Pad/Pavement Restoration	CF	\$27.00
148	Traffic Control Devices	EACH	\$4,390.00
149	Traffic Control Personnel	Hr	\$114.00
150	Seed, Fertilizer, & Mulch	SY	\$15.00
151	Clearing & Grubbing over 1 Acre	AC	\$15,857.00
152	Clearing & Grubbing under 1 Acre	SY	\$7.50
153	Engineering & Stakeout	LF	\$7.00
154	As-Built	LF	\$6.00