

AGGREGATE FOR TREE ROOT AERATION

SHEET NO. 7

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
- 353	Lt	24"	Poplar	4"	14x60'	10.40	2.62
- 332	"	24"	"	4"	"	"	2.62
- 311	"	27"	"	3"	11x60'	6.11	"
- 290	"	36"	"	3"	"	"	"
6+07	Rt	8"	Ash	4"	13x64'	10.28	1.92
6+38	"	18"	Cherry	4"	"	"	2.35
6+66	"	12"	Maple	3"	12x40'	4.44	1.40
7+08	"	17"	"	2"	"	"	"
7+48	"	9"	Ash	2"	10x100'	6.20	"
7+75	"	7"	"	2"	"	"	"
8+05	"	8"	Maple	3"	12x30'	3.33	.88
8+32	"	8"	Ash	4"	13x60'	3.63	1.10
8+58	"	8"	Maple	4"	"	1.32	"
8+84	"	18"	"	4"	14x64'	11.10	2.34
9+08	"	9"	Ash	4"	"	2.29	"
9+23	Lt	27"	Maple	2"	13x40'	3.27	"
9+59	Rt	10"	"	4"	13x30'	4.81	2.01
9+80	Lt	40"	"	2"	14x40'	3.53	"
9+87	Rt	22"	"	4"	13x30'	4.81	2.52
10+21	Rt	17"	"	4"	15x30'	5.56	2.75
10+46	Lt	36"	"	2"	14x40'	3.53	"
10+51	Rt	18"	"	4"	15x30'	5.56	2.75
10+80	Rt	18"	"	5"	16x30'	7.47	3.14
Total Aggregate for Aeration & Wells						100.03	32.63
" " Collars							.93
Total							133.59

SHEET NO. 8

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
11+08	Lt	36"	Maple	2"	10x30'	1.89	2.37
11+13	Rt	17"	"	4"	12x24'	3.56	2.37
11+34	Rt	17"	"	4"	12x30'	4.44	2.37
11+70	Lt	36"	"	2"	15x36'	3.40	"
11+77	Rt	16"	"	3"	"	1.89	"
11+93	Rt	18"	"	3"	"	1.57	"
12+13	Rt	12"	"	3"	11x154'	15.69	1.40
12+32	Rt	18"	"	3"	"	1.57	"
12+58	Rt	20"	"	3"	"	1.63	"
12+72	Rt	20"	"	3"	"	1.63	"
12+98	Rt	25"	"	3"	"	1.74	"
12+67	Lt	32"	"	3"	15x30'	4.17	1.98
13+29	Lt	36"	"	3"	16x52'	7.70	2.62
13+61	Lt	29"	"	3"	"	1.89	"
13+69	Rt	16"	"	5"	14x24'	5.23	3.03
13+93	Lt	32"	"	2"	15x60'	5.56	"
14+22	Lt	30"	"	2"	"	"	"
14+25	Rt	12"	"	5"	14x40'	8.64	2.79
14+39	Rt	18"	"	5"	"	3.14	"
14+50	Lt	36"	"	2"	14x60'	5.19	"
14+80	Lt	28"	"	2"	"	"	"
14+85	Rt	3"	Mulberry	4"	10x16'	1.98	"
15+23	Rt	28"	Maple	3"	12x30'	3.33	2.79
18+06	Rt	42"	"	2"	10x40'	2.47	"
20+64	Rt	7"	"	3"	12x20'	2.22	1.56
20+87	Rt	7"	"	5"	13x20'	4.01	2.50
21+24	Rt	9"	"	6"	14x24'	6.22	2.95
21+54	Rt	7"	"	6"	14x20'	5.19	2.91
24+36	Lt	40"	"	2"	14x36'	3.11	"
24+81	Lt	30"	"	2"	16x32'	3.16	"
Total Aggregate for Aeration & Wells						97.16	44.23
" " Collars							1.80
Total							143.19

SHEET NO. 9

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
27+58	Lt	35"	Maple	2"	16x36'	3.56	"
28+32	Lt	30"	"	2"	16x32'	3.16	"
28+79	Lt	36"	"	2"	16x36'	3.56	"
29+51	Lt	10"	Cherry	2"	10x18'	1.11	"
31+55	Lt	4"	Ash	3"	10x10'	.93	1.53
31+81	Lt	3"	Elm	2"	10x10'	.62	"
31+91	Rt	8"	Maple	2"	10x16'	.89	"
32+09	Lt	5"	Ash	2"	10x10'	.62	"
32+37	Lt	4"	Ash	2"	10x10'	.62	"
32+66	Lt	5"	Ash	2"	10x10'	.62	"
32+95	Lt	5"	Ash	2"	10x10'	.62	"
33+21	Lt	5"	Ash	2"	10x10'	.62	"
33+50	Lt	7"	Ash	3"	10x16'	1.48	1.22
33+80	Lt	5"	Ash	4"	10x14'	1.73	1.84
36+54	Lt	22"	Maple	3"	16x54'	8.00	1.76
36+77	Lt	28"	"	3"	"	2.91	3.40
37+27	Lt	28"	"	5"	18x104'	28.89	3.89
37+52	Lt	28"	"	5"	"	2.75	2.40
37+76	Lt	18"	"	5"	"	2.40	2.40
37+98	Lt	30"	"	5"	"	8.00	2.40
38+96	Lt	36"	"	3"	16x54'	8.00	1.84
39+19	Lt	28"	"	3"	"	1.73	1.73
39+69	Lt	26"	"	3"	"	1.73	1.73
39+89	Lt	26"	"	3"	18x70'	11.67	1.73
40+09	Lt	22"	"	3"	"	1.76	1.76
40+31	Lt	17"	"	2"	"	1.58	1.58
40+53	Lt	40"	"	2"	16x80'	8.89	"
40+74	Lt	26"	"	2"	"	"	"
40+85	Lt	31"	"	2"	"	"	"
41+45	Lt	26"	"	2"	"	"	"
41+63	Lt	20"	Ash	2"	16x70'	6.91	"
41+84	Lt	44"	Maple	2"	"	"	"
42+51	Lt	32"	"	2"	12x30'	2.22	"

AGGREGATE FOR TREE ROOT AERATION

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
Total Aggregate for Aeration & Wells						94.82	32.84
" " Collars							2.74
Total Aggregate							130.40

SHEET NO. 10

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
50+60	Lt	20"	Maple	2"	17x30'	3.15	"
Total Aggregate for Aeration & Wells						3.15	"
" " Collars						.14	"
Total							3.29

SHEET NO. 11

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
59+61	Rt	20"	Maple	6"	15x30'	8.33	3.67
59+85	Rt	16"	"	5"	15x30'	6.84	2.88
67+12	Rt	54"	"	4"	12x40'	6.00	3.26
68+03	Rt	6"	Oak	4"	10x20'	2.46	"
68+52	Rt	50"	Maple	2"	12x36'	2.67	"
74+01	Rt	24"	"	2"	"	"	"
74+18	Rt	15"	"	2"	9x66'	3.67	"
74+36	Rt	28"	"	2"	"	"	"
Total Aggregate for Aeration & Wells						30.07	9.81
" " Collars						.77	"
Total							40.65

SHEET NO. 12

Station	Side	Size	Kind	Ave Depth Inches	Approx. Area Feet	Aeration Cu. Yds	Agg. in Wells Cu. Yds
75+28	Rt	30"	Apple	3"	12x66'	7.33	2.62
75+44	Rt	24"	Maple	3"	"	3.14	"
75+62	Rt	36"	"	3"	"	5.18	3.04
76+31	Rt	25"	"	4"	14x30'	10.07	4.50
79+61	Rt	26"	"	7"	16x33'	11.40	5.76
79+96	Rt	30"	"	7"	17x40'	16.79	8.64
80+61	Rt	42"	"	8"	18x30'	14.07	8.64
81+34	Rt	36"	"	8"	"	10.23	37.34
Total Aggregate for Aeration & Wells						64.84	37.34
" " Collars						.18	"
Total							55.38

RIPRAP FOR TREE PROTECTION (Sandstone for Walls in cut, 12")

From Station	To Station	Side	Size	Kind	Ave Height	Sq. Yds
16+26	16+70	Lt	44x85"	Maple	1'-0"	9.78
17+10	17+22	Lt	18"	"	1'-0"	2.67
Total						12.45
45+40	45+50	Lt	30"	Maple	0'-6"	.55
56+24	56+34	Lt	20"	Apple	0'-6"	.55
Total						1.10
64+35	65+05	Lt	30"	Pine	0'-9"	.82
65+84	65+94	Lt	36"	Pine	0'-6"	.55
73+02	73+12	Lt	10"	Walnut	0'-9"	.82
Total						2.19
GRAND TOTAL						15.74

RIPRAP FOR TREE PROTECTION (Sound broken Concrete for Tree Wells, 12")

SHEET NO. 7

Station	Side	Size	Kind	Ave. Height	Diam.	Sq. Yds
- 353	Lt	24"	Poplar	1'-6"	8'-0"	4.19
- 332	Lt	24"	"	1'-6"	8'-0"	4.19
6+07	Rt	8"	Ash	1'-6"	6'-8"	3.50
6+38	Rt	18"	Cherry	1'-6"	7'-6"	3.93
6+66	Rt	12"	Maple	1'-0"	7'-0"	2.44
8+05	Rt	8"	"	1'-0"	6'-8"	2.33
8+32	Rt	8"	Ash	1'-3"	6'-8"	2.91
8+58	Rt	8"	Maple	1'-6"	6'-8"	3.50
8+84	Rt	18"	"	1'-6"	7'-6"	3.89
9+08	Rt	9"	Ash	1'-9"	6'-9"	4.12
9+59	Rt	10"	Maple	1'-6"	6'-10"	3.57
9+87	Rt	22"	"	1'-6"	7'-10"	4.10
10+21	Rt	17"	"	1'-9"	7'-6"	4.58
10+51	Rt	18"	"	1'-9"	7'-6"	4.58
10+80	Rt	18"	"	2'-0"	7'-6"	5.24
Total						57.11
11+13	Rt	17"	Maple	1'-6"	7'-6"	3.93
11+34	Rt	17"	"	1'-6"	7'-6"	3.93
11+77	Rt	16"	"	1'-3"	7'-4"	3.20
11+93	Rt	18"	"	1'-0"	7'-6"	2.62
12+13	Rt	12"	"	1'-0"	7'-0"	2.44
12+32	Rt	18"	"	1'-0"	7'-6"	2.62
12+58	Rt	20"	"	1'-0"	7'-8"	2.68
12+67	Lt	32"	"	1'-0"	8'-8"	3.03
12+72	Rt	20"	"	1'-0"	7'-8"	2.68
12+98	Rt	25"	"	1'-0"	8'-0"	2.79
13+29	Lt	36"	"	1'-3"	9'-0"	3.93
13+61	Lt	29"	"	1'-0"	8'-5"	2.97
13+69	Rt	16"	"	2'-0"	7'-4"	5.12
14+25	Rt	12"	"	2'-0"	7'-0"	4.89
14+39	Rt	18"	"	2'-0"	7'-6"	5.24
15+23	Rt	28"	"	1'-6"	8'-4"	4.36
20+64	Rt	7"	"	1'-3"	6'-7"	2.87
20+87	Rt	7"	"	2'-0"	6'-7"	4.59
21+24	Rt	9"	"	2'-3"	6'-9"	5.30
21+54	Rt	7"	"	2'-3"	6'-7"	5.17
TOTAL						74.36
31+55	Lt	4"	Ash	1'-3"	6'-6"	2.84
33+50	Lt	7"	Ash	1'-0"	6'-6"	2.27
33+80	Lt	5"	Ash	1'-6"	6'-6"	3.40
36+54	Lt	22"	Maple	1'-0"	8'-0"	2.79
36+77	Lt	28"	"	1'-6"	8'-6"	4.45
37+27	Lt	28"	"	1'-9"	8'-6"	5.19
37+52	Lt	28"	"	2'-0"	8'-6"	5.93
37+76	Lt	18"	"	1'-9"	7'-6"	4.58
37+98	Lt	30"	"	1'-3"	8'-6"	3.71
38+96	Lt	30"	"	1'-3"	8'-6"	3.71
39+19	Lt	28"	"	1'-0"	8'-6"	2.97
39+69	Lt	26"	"	1'-0"	8'-0"	2.79
39+89	Lt	26"	"	1'-0"	8'-0"	2.79
40+09	Lt	22"	"	1'-0"	8'-0"	2.79
40+31	Lt	17"	"	1'-0"	7'-6"	2.62
Total						52.83
59+61	Rt	20"	Maple	2'-3"	7'-8"	6.02
59+85	Rt	16"	"	2'-0"	7'-4"	5.12
67+12	Rt	54"	"	1'-3"	10'-6"	4.59
Total						15.73
75+44	Rt	24"	Maple	1'-6"	8'-0"	4.19
75+62	Rt	36"	"	1'-6"	9'-0"	4.71
76+31	Rt	25"	"	1'-9"	8'-0"	4.89