

DECIDUOUS TREE PRUNING CHART  
OUTDOOR ADVERTISING REGULATIONS

Canopy – Total volume of tree mass (3.142 x radius squared x height)

Radius – This distance from mid trunk to tree drip line

Height – Measured from lowest tree branch to top of crown (excludes suckers)

Existing Tree Size			Maximum Amount to Prune			Tree Size After Pruning			
Canopy Height	Canopy Radius	Canopy Volume	Canopy Height	Canopy Radius	Canopy Volume	Canopy Height	Canopy Radius	Canopy Volume	% Canopy Removed
16	4	804	3	0	263	13	4	542	33
16	5	1257	3	1	411	13	5	846	33
16	6	1810	3	1	591	13	5	1219	33
16	7	2463	3	1	805	13	6	1659	33
16	8	3217	3	1	1051	13	7	2166	33
18	5	1414	3	1	466	15	5	948	33
18	6	2036	3	1	671	15	5	1365	33
18	7	2771	3	1	913	15	6	1858	33
18	8	3620	3	1	1193	15	7	2427	33
18	9	4581	3	1	1509	15	8	3072	33
20	5	1571	4	1	521	17	5	1050	33
20	6	2262	4	1	750	17	5	1512	33
20	7	3079	4	1	1022	17	6	2058	33
20	8	4022	4	1	1334	17	7	2688	33
20	9	5090	4	1	1689	17	8	3401	33
20	10	6284	4	1	2085	17	9	4199	33
22	6	2488	4	1	830	18	5	1658	33
22	7	3387	4	1	1130	18	6	2257	33
22	8	4424	4	1	1476	18	7	2948	33
22	9	5599	4	1	1868	18	8	3731	33
22	10	6912	4	1	2306	18	9	4608	33
22	11	8364	4	1	2790	18	10	5574	33
25	6	2828	4	1	927	21	5	1901	33
25	7	3849	4	1	1261	21	6	2588	33
25	8	5027	4	1	1647	21	7	3380	33
25	9	6363	4	1	2088	21	8	4275	33
25	10	7855	4	1	2574	21	9	5281	33
25	11	9505	4	1	3115	21	10	6390	33
25	12	11311	4	1	3707	21	11	7605	33

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Canopy Height	Canopy Radius	Canopy Volume	Canopy Height	Canopy Radius	Canopy Volume	Canopy Height	Canopy Radius	Canopy Volume	% Canopy Removed
50	12	22622	9	1	7429	41	11	15193	33
50	13	26550	9	1	8719	41	12	17831	33
50	14	30792	9	1	10112	41	13	20680	33
50	15	35348	9	1	11608	41	14	23739	33
50	16	40218	9	2	13207	41	14	27010	33
50	17	45402	9	2	14910	41	15	30492	33
50	18	50900	9	2	16716	41	16	34185	33
50	19	56713	9	2	18625	41	17	38089	33
50	20	62840	9	2	20637	41	18	42203	33
50	21	69281	9	2	22752	41	19	46529	33
50	22	76036	9	2	24970	41	20	51066	33
50	23	83106	9	2	27292	41	21	55814	33
50	24	90490	9	2	29717	41	22	60773	33
50	25	98188	9	2	32245	41	23	65943	33
55	14	33871	10	1	11174	45	13	22697	33
55	15	38882	10	1	12827	45	14	26055	33
55	16	44239	10	2	14594	45	14	29645	33
55	17	49942	10	2	16475	45	15	33467	33
55	18	55990	10	2	18471	45	16	37520	33
55	19	62384	10	2	20580	45	17	41805	33
55	20	69124	10	2	22803	45	18	46321	33
55	21	76209	10	2	25141	45	19	51069	33
55	22	83640	10	2	27592	45	20	56048	33
55	23	91416	10	2	3157	45	21	61259	33
55	24	99539	10	2	32837	45	22	68702	33
55	25	108006	10	2	35630	45	23	72376	33
55	26	116820	10	2	38537	45	24	78282	33
55	27	125978	10	3	41559	45	24	84420	33
55	28	135483	10	3	44694	45	25	90789	33
60	15	42417	11	1	14046	49	14	28371	33
60	16	48261	11	2	15981	49	14	32280	33
60	17	54482	11	2	18041	49	185	36442	33
60	18	61080	11	2	20226	49	16	40855	33
60	19	68056	11	2	22536	49	17	45520	33
60	20	75408	11	2	24970	49	18	50438	33
60	21	83137	11	2	27529	49	19	55608	33
60	22	91244	11	2	30213	49	20	61030	33
60	23	99727	11	2	33023	49	21	68704	33
60	24	108588	11	2	35957	49	22	72631	33
60	25	117825	11	2	39015	49	23	78810	33
60	26	127440	11	2	42199	49	24	85241	33
60	27	13731	11	3	45507	49	24	91924	33
60	28	147800	11	3	48941	49	25	98859	33
60	29	15845	11	3	52499	49	26	106046	33
60	30	169668	11	3	56182	49	27	113486	33

Existing Tree Size			Maximum Amount to Prune			Tree Size After Pruning			
Canopy Height	Canopy Radius	Canopy Volume	Canopy Height	Canopy Radius	Canopy Volume	Canopy Height	Canopy Radius	Canopy Volume	% Canopy Removed
70	17	63563	13	2	21171	57	15	42391	33
70	18	71261	13	2	23735	57	16	47525	33
70	19	79398	13	2	26446	57	17	52952	33
70	20	87976	13	2	29303	57	18	58673	33
70	21	96994	13	2	32307	57	19	64687	33
70	22	10651	13	2	35457	57	20	70994	33
70	23	116348	13	2	38753	57	21	77595	33
70	24	126685	13	2	42196	57	22	84489	33
70	25	137483	13	2	45786	57	23	91677	33
70	26	148679	13	2	49522	57	24	99157	33
70	27	160338	13	3	53405	57	24	106932	33
70	28	172433	13	3	57434	57	25	114999	33
70	29	184970	13	3	61610	57	26	123360	33
70	30	197946	13	3	65932	57	27	132014	33
70	31	211362	13	3	70400	57	28	140962	33
70	32	225219	13	3	75016	57	29	150203	33
70	33	239515	13	3	79777	57	30	159737	33
70	34	254251	13	3	84686	57	31	169565	33
70	35	269427	13	3	89740	57	32	179685	33
80	20	100544	15	2	33836	65	18	66908	33
80	21	110850	15	2	37084	65	19	73766	33
80	22	121658	15	2	40700	65	20	80958	33
80	23	132969	15	2	44484	65	21	88486	33
80	24	144783	15	2	48436	65	22	96347	33
80	25	157100	15	2	52557	65	23	104543	33
80	26	169919	15	2	56845	65	24	113074	33
80	27	183241	15	3	61302	65	24	121939	33
80	28	197066	15	3	65927	65	25	131139	33
80	29	211394	15	3	70720	65	26	140874	33
80	30	226224	15	3	75681	65	27	150543	33
80	31	241557	15	3	80811	65	28	180746	33
80	32	257393	15	3	86109	65	29	171284	33
80	33	273731	15	3	91575	65	30	182156	33
80	34	290572	15	3	97208	65	31	193364	33
80	35	307916	15	3	103011	65	32	204905	33
80	36	325763	15	3	108981	65	33	216781	33
80	37	344112	15	4	115120	65	33	228992	33
80	38	362964	15	4	121427	65	34	241537	33
80	39	382319	15	4	127902	65	35	254417	33
80	40	402176	15	4	134545	65	36	267631	33