

Asheville Municipal Golf Course Tree Removal, Thinning & Replacement Statistics

Total Trees On Property over 6" Diameter at Breast Height	2387
Total Acres	122
Average # of Trees per Acre	20
Total Invasive Removal	10
Total Removed for Golf Purposes	6
Total Non-Invasive Removal (unhealthy/hazard)	141
Total Removed Trees on Property	157
Percentage of total trees removed	6.58%
Non-Invasive Trees Per Acre Removed	1.2
Total Minimum # of Trees to be Pruned	38

Canopy Valuing System	
Large Canopy Tree Value	1
Medium Canopy Tree Value	0.75
Small Canopy Tree Value	0.5

Type of Tree to Remove	# to be removed	% of total trees	% of total trees removed	Canopy Value Large =1	Canopy Value Medium =.75	Canopy Value Small =.5	
Ash	1	0.04%	0.64%		0.75		
White Pine	41	1.72%	26.11%		30.75		
Norway Spruce	4	0.17%	2.55%		3		
Bradford Pear	9	0.38%	5.73%			4.5	
Norway Maple	1	0.04%	0.64%		0.75		
Cherry	14	0.59%	8.92%			7	
Red Oak	10	0.42%	6.37%	10			
White Oak	42	1.76%	26.75%	42			
Poplar	3	0.13%	1.91%	3			
Black Gum	1	0.04%	0.64%		0.75		
Sourwood	1	0.04%	0.64%			0.5	
Locust	5	0.21%	3.18%		3.75		
Virgina Pine	1	0.04%	0.64%		0.75		
Post Oak	2	0.08%	1.27%	2			
Shortleaf Pine	11	0.46%	7.01%		8.25		
Shagbark Hickory	4	0.17%	2.55%	4			
Black Oak	2	0.08%	1.27%	2			
Sugar Maple	3	0.13%	1.91%		2.25		
Persimmon	2	0.08%	1.27%		1.5		
		6.58%	100.00%	63	52.5	12	127.5
					Total Canopy Value		

Replanting	# to be replanted	Canopy Value	Total Canopy Value
Large	86	1	86
Medium	35	0.75	26.25
Small	32	0.5	16
	153	Subtotal	128.25
			0.75 < net (loss)/gain

Individual Breakdown Key
Red Text = Invasive Tree
Blue Highlight = Need for additional review/testing
Yellow Highlight = Work required for for golf purposes

Location	Number	Type	Diameter	Reason	CoA Arborist Recommendation	Prune	Remove	Test
Hole 1	1	Ash	38"	Dying, Major Hazard	Remove	0	1	0
	2	White Pine	35"	Dying, Hazard	Remove	0	1	0
	3	Norway Spruce	17"	Dead, splitting in half. Major hazard.	Remove	0	1	0
						0	0	0
Hole 3	4	White Pine	35"	end of life - Replace with hardwood	Remove	0	1	0
	5	White Pine	29"	end of life - Replace with hardwood	Remove	0	1	0
	6	White Pine	32"	end of life - Replace with hardwood	Remove	0	1	0
	7	Bradford Pear	12"	Invasive	Remove	0	1	0
	8	Bradford Pear	12"	Invasive	Remove	0	1	0
						0	0	0
Hole 5	9	White Pine	33"	Dying, Major Hazard	Remove	0	1	0
	10	White Pine	36"	Dead	Remove	0	1	0
	11	White Pine	24"	Dying, Hazard	Remove	0	1	0
	12	White Pine	24"	Dying, Hazard	Remove	0	1	0
	13	White Pine	28"	Dying, Hazard	Remove	0	1	0
	14	White Pine	37"	end of life - Replace with hardwood	Remove	0	1	0
	15	White Pine	26"	end of life - Replace with hardwood	Remove	0	1	0
	16	White Pine	30"	end of life - Replace with hardwood	Remove	0	1	0
	17	White Pine	23"	end of life - Replace with hardwood	Remove	0	1	0
	18	White Pine	23"	end of life - Replace with hardwood	Remove	0	1	0
	19	White Pine	17"	end of life - Replace with hardwood	Remove	0	1	0
	20	White Pine	20"	end of life - Replace with hardwood	Remove	0	1	0
	21	White Pine	36"	end of life - Replace with hardwood	Remove	0	1	0
	22	White Pine	18"	end of life - Replace with hardwood	Remove	0	1	0
	23	White Pine	23"	end of life - Replace with hardwood	Remove	0	1	0
	24	White Pine	25"	end of life - Replace with hardwood	Remove	0	1	0
	25	White Pine	27"	end of life - Replace with hardwood	Remove	0	1	0
	26	White Pine	23"	end of life - Replace with hardwood	Remove	0	1	0
	27	White Pine	33"	end of life - Replace with hardwood	Remove	0	1	0
	28	White Pine	12"	end of life - Replace with hardwood	Remove	0	1	0
	29	White Pine	23"	end of life - Replace with hardwood	Remove	0	1	0
	30	White Pine	25"	end of life - Replace with hardwood	Remove	0	1	0
	31	White Pine	22"	end of life - Replace with hardwood	Remove	0	1	0
	32	White Pine	26"	end of life - Replace with hardwood	Remove	0	1	0
	33	White Pine	25"	end of life - Replace with hardwood	Remove	0	1	0
	34	Norway Maple	27"	Invasive	Remove	0	1	0
	35	White Pine	26"	end of life - Replace with hardwood	Remove	0	1	0
	36	White Pine	19"	end of life - Replace with hardwood	Remove	0	1	0
	37	White Pine	19"	end of life - Replace with hardwood	Remove	0	1	0
	38	White Pine	38"	end of life - Replace with hardwood	Remove	0	1	0
	39	Norway Spruce	16"	end of life - Replace with hardwood	Remove	0	1	0
	40	Cherry	13"	end of life - Replace with hardwood	Remove	0	1	0
	41	Bradford Pear	18"	Invasive	Remove	0	1	0
	42	Bradford Pear	18"	Invasive	Remove	0	1	0
	43	Bradford Pear	13"	Invasive	Remove	0	1	0

Location	Number	Type	Diameter	Reason	CoA Arborist Recommendation	Prune	Remove	Test
	44	Bradford Pear	13"	Invasive	Remove	0	1	0
	45	White Pine	35"	Dying, Hazard	Remove	0	1	0
	46	White Pine	24"	Dying, Hazard	Remove	0	1	0
	47	White Pine	40"	Dying, Hazard	Remove	0	1	0
	48	White Pine	31"	Hazard, Leaning	Remove	0	1	0
	49	Norway Spruce	17"	Dying, Hazard	Remove	0	1	0
	50	White Pine	28"	Dead	Remove	0	1	0
	51	White Pine	24"	Dying, Hazard	Remove	0	1	0
						0	0	0
Hole 7	52	Norway Spruce	24"	Leaning	Remove	0	1	0
	53	Bradford Pear	10"	Invasive	Remove	0	1	0
	54	Bradford Pear	12"	Invasive	Remove	0	1	0
	55	Bradford Pear	12"	Invasive	Remove	0	1	0
						0	0	0
Hole 9	56	Red Oak	60"	Dying, Hazard	Remove	0	1	0
						0	0	0
Hole 10	57	White Oak	32"	Shade	Prune	1	0	0
	58	White Oak	28"	Shad, Unhealthy	Prune	1	0	0
	59	White Oak	36"	Shade, Leaning, Hazard	Remove	0	1	0
	60	White Oak	24"	Shade, Leaning, Hazard	Remove	0	1	0
	61	Poplar	23"	Shade Leaning, Hazard	Remove	0	1	0
						0	0	0
Hole 11	62	Black Gum	20"	Shade	Remove	0	1	0
	63	Red Oak	31"	Shade, Leaning	Remove	0	1	0
	64	Sourwood	12"	Shade, Leaning, Hazard	Remove	0	1	0
	65	Cherry	16"	Shade, Leaning, Hazard	Remove	0	1	0
	66	Cherry	9"	Shade, Leaning, Hazard	Remove	0	1	0
	67	Cherry	12"	Shade, Leaning, Hazard	Remove	0	1	0
	68	Locust	12"	Dead	Remove	0	1	0
	69	Cherry	24"	Shade, Leaning, Hazard	Remove	0	1	0
	70	Red Oak	21"	Shade, Leaning, Hazard	Remove	0	1	0
	71	Locust	12"	Shade, Leaning, Hazard	Remove	0	1	0
	72	Cherry	20"	Shade, Leaning, Hazard	Remove	0	1	0
	73	Locust	10"	Dead	Remove	0	1	0
	74	Locust	22"	Shade, Leaning, Hazard	Remove	0	1	0
	75	Virginia Pine	15"	Shade, Leaning, Hazard	Remove	0	1	0
	76	Cherry	19"	Shade, Leaning, Hazard	Remove	0	1	0
	77	Cherry	18"	Shade, Leaning, Hazard	Remove	0	1	0
	78	Cherry	17"	Shade, Leaning, Hazard	Remove	0	1	0
	79	Cherry	14"	Shade Issues	Remove	0	1	0
	80	Poplar	22"	Shade Issues	Remove	0	1	0
	81	Poplar	38"	Shade Issues	Remove	0	1	0
	82	Cherry	22"	Shade Issues	Remove	0	1	0
	83	Cherry	13"	Shade Issues	Remove	0	1	0
	84	Red Oak	19"	Shade, Leaning	Remove	0	1	0
	85	Cherry	10"	Shade Issues	Remove	0	1	0

Location	Number	Type	Diameter	Reason	CoA Arborist Recommendation	Prune	Remove	Test
	86	Hickory	27"	Shade Issues	Prune	1	0	0
						0	0	0
Hole 12	87	Red Oak	40"	Test	Test	0	0	1
	88	Post Oak	27"	Shade	Prune	1	0	0
	89	Red Oak	39"	Test	Test	0	0	1
	90	Red Oak	29"	Unhealthy, Shade	Prune	1	0	0
						0	0	0
Hole 13	91	Red Oak	24"	Shade, Unhealthy	Remove	0	1	0
	92	White Oak	27"	Shade	Prune	1	0	0
	93	White Oak	36"	Shade	Prune	1	0	0
	94	Red Oak	36"	Golf Issues	Prune	1	0	0
	95	White Oak	24"	Leaning, Golf Issues	Prune	1	0	0
	96	White Oak	40"	Golf Issues	Prune	1	0	0
	97	Shortleaf Pine	20"	Shade, Leaning	Remove	0	1	0
	98	Shortleaf Pine	21"	Shade, Leaning	Remove	0	1	0
	99	Shortleaf Pine	20"	Shade	Remove	0	1	0
	100	Shortleaf Pine	16"	Shade, Dying	Remove	0	1	0
	101	White Pine	30"	Shade Issues	Remove	0	1	0
	102	Shortleaf Pine	16"	Shade Issues	Remove	0	1	0
	103	Shortleaf Pine	13"	Shade	Remove	0	1	0
	104	Red Oak	22"	Dead	Remove	0	1	0
	105	White Oak	26"	Dying, Shade Issues	Remove	0	1	0
	106	White Oak	25"	Shade Issues	Prune	1	0	0
	107	Red Oak	31"	Shade Issues	Prune	1	0	0
	108	Red Oak	29"	Shade Issues	Prune	1	0	0
	109	White Oak	20"	Dying, Shade Issues	Remove	0	1	0
	110	White Oak	18"	Oak Wilt (Dying), Shade	Remove	0	1	0
	111	White Oak	21"	Oak Wilt (Dying), Shade	Remove	0	1	0
	112	White Oak	24"	Oak Wilt (Dying), Shade	Remove	0	1	0
	113	White Oak	23"	Oak Wilt (Dying), Shade	Remove	0	1	0
	114	White Oak	28"	Oak Wilt (Dying), Shade	Remove	0	1	0
	115	White Oak	30"	Oak Wilt (Dying), Shade	Remove	0	1	0
	116	White Oak	32"	Oak Wilt (Dying), Shade	Remove	0	1	0
	117	White Oak	26"	Leaning, Hazard	Prune	1	0	0
						0	0	0
Hole 14	118	White Oak	36"	Golf Issues, Blocking Tee	Prune	1	0	0
	119	White Oak	26"	Dead	Remove	0	1	0
	120	White Oak	21"	Chestnut Borer- Dead	Remove	0	1	0
	121	Red Oak	24"	Shade, Leaning, Hazard	Prune	1	0	0
	122	Red Oak	34"	Shade, Leaning, Hazard	Prune	1	0	0
	123	Shortleaf Pine	12"	Shade, Leaning, Hazard	Remove	0	1	0
	124	Shortleaf Pine	14"	Shade, Leaning, Hazard	Remove	0	1	0
	125	Black Gum	13"	Shade	Prune	1	0	0
	126	Red Oak	40"	Shade	Prune	1	0	0
	127	White Oak	21"	Shade, Leaning, Hazard	Remove	0	1	0
	128	Shortleaf Pine	13"	Severe Lean, Major Hazard, Shade Issues	Remove	0	1	0

Location	Number	Type	Diameter	Reason	CoA Arborist Recommendation	Prune	Remove	Test
	129	White Oak	31"	Shade Issues	Prune	1	0	0
	130	White Oak	24"	Shade Issues	Remove	0	1	0
	131	White Oak	35"	Shade, Unhealthy	Remove	0	1	0
	132	White Oak	35"	Shade Issues	Prune	1	0	0
	133	White Oak	33"	Growing in Bunker, Shade Issues	Remove	0	1	0
	134	White Oak	28"	Shade, Leaning, Hazard	Remove	0	1	0
	135	White Oak	43"	Test		0	0	0
						0	0	0
Hole 15	136	White Oak	26"	Dead	Remove	0	1	0
	137	Shortleaf Pine	16"	Leaning, Hazard	Remove	0	1	0
	138	Red Oak	28"	Leaning, Hazard	Remove	0	1	0
	139	Black Oak	40"	Leaning, Rotting, Hazard	Remove	0	1	0
	140	White Oak	50"	Dead, Major Hazard	Remove	0	1	0
	141	Shagbark Hickory	20"	Leaning, Hazard, Golf Issues	Remove	0	1	0
	142	White Oak	23"	Golf Issues	Prune	1	0	0
	143	Shagbark Hickory	18"	Golf Issues	Remove	0	1	0
	144	White Oak	15"	Golf Issues	Remove	0	1	0
	145	White Oak	31"	Golf Issues	Prune	1	0	0
	146	White Oak	39"	Dead	Remove	0	1	0
	147	White Oak	38"	Dead	Remove	0	1	0
	148	White Oak	19"	Dying, Golf Issues	Remove	0	1	0
	149	Red Oak	19"	Shade, Golf Issues	Remove	0	1	0
	150	Red Oak	22"	Shade, Golf Issues	Prune	1	0	0
	151	White Oak	30"	Shade, Golf Issues	Prune	1	0	0
	152	Shagbark Hickory	20"	Dying, Shade Issues	Remove	0	1	0
	153	White Oak	29"	Shade Issues	Remove	0	1	0
	154	White Oak	36"	Dying, Shade Issues	Remove	0	1	0
Hole 16						0	0	0
	155	Maple	36"	In Tee, Shade Issues	Remove	0	1	0
	156	Maple	19"	In Tee, Shade Issues	Remove	0	1	0
	157	White Oak	26"	Structural Damage, Shade	Remove	0	1	0
	158	White Oak	27"	Leaning, Hazard	Remove	0	1	0
	159	White Oak	35"	Leaning, Hazard	Prune	1	0	0
	160	White Oak	30"	Shade Issues	Prune	1	0	0
	161	White Oak	32"	Shade Issues	Prune	1	0	0
	162	White Oak	36"	Leaning, Shade Issues	Prune	1	0	0
	163	White Oak	18"	Shade Issues	Remove	0	1	0
	164	White Oak	21"	Shade Issues	Prune	1	0	0
	165	Shagbark Hickory	22"	Shade Issues	Remove	0	1	0
	166	White Oak	34"	Shade Issues	Remove	0	1	0
	167	White Oak	31"	Shade Issues	Remove	0	1	0
	168	White Oak	41"	Structural Damage, Shade	Prune	1	0	0
	169	White Oak	42"	Shade Issues	Prune	1	0	0
	170	Black Oak	40"	Structural Damage, Decay, Shade	Remove	0	1	0
	171	White Oak	21"	Shade Issues	Remove	0	1	0
	172	White Oak	41"	Shade Issues	Prune	1	0	0

