

**Table 1: Tree Plantings funded through CIP Fiscal Years 2018-2024**

	2018	2019	2020	2021	2022	2023	2024
<b>Tree (2" caliper)</b>	161	134	151	23	139	162	181
<b>Seedling/Sapling</b>						32	950-1000

Table refers to trees planted in City-owned rights of way, schools, and parks throughout the city of Charlottesville. Trees of 2" caliper refer to the size of the tree four-inches above the root collar (balled/burlap) and generally refers to a nursery grown tree approximately 3-5 years old. Seedling/saplings refer to bare-root tree seedlings (approximately 1-2 years old) and usually planted in tree tubes to protect them from deer browse, mowing, etc. CIP funding includes the installation of 2" caliper trees, mulch, stakes, and watering treatments to increase survivability through the summer months.

**Table 2: Re-Leaf Cville, Rivanna Conservation Alliance, and Charlottesville Area Tree Stewards tree installations on City properties, facilitated through Parks and Recreation:**

	2022	2023	2024
<b>Trees (2" caliper)</b>			102
<b>Seedling/Saplings</b>	16	20	

Table refers to 2" caliper trees and seedlings/saplings installed by partner organizations on city properties (including Charlottesville Housing Authority) throughout the city. Plantings in 2024 encompass trees planted by Re-Leaf Cville through grant funding provided by the Virginia Department of Forestry (80 trees), and 22 trees planted by the Charlottesville Tree Stewards in Rives Park.

**Table 3: Tree Removals funded through CIP Fiscal Years 2019-2023**

	2019	2020	2021	2022	2023
<b>Non-Ash Trees</b>	60	65	65	56	70
<b>Ash Trees</b>	2	53	6	15	110
<b>Total</b>	62	118	71	71	180

Table refers to trees removed by City Tree Contractor (Big O Tree Service). Increase in removals is likely due to increased stress from climate extremes. CIP funding is divided into two operational categories for tree work: Tree work/maintenance for non-Ash trees include maintenance, inspections, pruning, removal, stump grinding for all species (not including ash). Ash funding includes removal, pruning, insecticide injections, and stump grinding of Ash trees specifically. (Regarding Ash tree removals at Darden Towe Park – Data to be provided by Albemarle County Parks and Recreation).

**Table 4: Inoculated Ash Trees in Charlottesville, Virginia by location and treatment year**

<b>Location</b>	<b>Treatment Year</b>
Penn Park Golf Course – 1 tree	2023
Azalea Park – 1 tree	2023
Preston Ave – 2 trees	2023
Gordon Avenue – 6 trees	2023
Riverview Park – 2 trees	2023
Rives Park – 1 Tree	2023
Star Hill Park – 1 Tree	2023
804 Avon Street – 1 tree	2023
Historic Society (East Jefferson Ave) - 1	2024
Washington Park 2 Trees	2024
599 10th St Aquatic Center – 1 Tree	2024
1200 Monticello Ave @ Blenheim – 1 Tree	2024
901 Belmont Ave – 1 Tree	2024
1001 Belmont Ave – 1 Tree	2024
Kelly St across from Maplewood Cemetery – 3 Trees	2024
Maplewood Cemetery across from 508 8th Street – 1 Tree	2024
Pen Park – 1 Tree	2024
Meadow Creek Golf Course – 2 Trees	2024
Golf Course Club House – 2 Trees	2024

Table refers to injections of Emamectin benzoate insecticide to mitigate infestations of Emerald Ash Borer in select Ash trees throughout the City of Charlottesville (treatment prescriptions occur every other year).

**Table 5: Table showing City Properties, management treatments for invasive plant removal, tract size (acres), and number of seedlings/saplings that will be planted to restore work sites.**

Property/Park	# Acres	Treatment	# Seedling/Saplings Projected for Planting
Azalea Park	3.2	Forestry Mulcher	225
Forest Hills Park	1.5	Forestry Mulcher	160
Rivanna Trail (Jordan Park -> 5 <sup>th</sup> Street)	7.7	Forestry Mulcher	500
Washington Park	.5	Goats	35
Fry Springs	1.0	Goats	75
<b>Totals</b>	<b>13.9</b>		<b>995</b>

Table refers to recent invasive plant control/containment efforts undertaken by Charlottesville Parks and Recreation. In general, goats (supplied by Goat Busters, Inc) were used in areas that were excessively steep/wet, or were too exposed to the public to risk potential injury (Fry Springs and Upper Washington Park). Costs and time frames associated with the goats averaged out to \$4500 per acre with a time frame of 5 days. Forestry mulching on average amounted to \$1700 per day, with anywhere from 1 -2.5 acres cleared per day, depending on topography. Following the physical removal of the plants (either browsed by goats or mulched by machinery), invasive vegetation that re-sprout will be treated with herbicides and/or cut to prevent invasives from re-establishing. A mix of warm season grasses and forbs will be planted spring 2024, with a diverse mix of hardwood trees installed in fall/winter 2023. Projections for tree installations amount to approximately \$8.00 per tree (including tree, tree shelter, stakes/ties, and labor). Numbers of tree planting are based on a 15' x 15' spacing and are subject to change according to topography, water, and existing trees or structures. Efforts to prevent invasive plant re-establishment will continue until tree plantings are tall enough to shade out encroaching infestations.

**Table 6: Table displays anticipated management properties for 2024-2025**

Property/Park	# Acres	Treatment	# Seedling/Saplings Projected for Planting
John Warner Parkway (kudzu patch)	2.5	Forestry Mulcher	485
Moore's Creek Farm (recent acquisition)	1.8	Forestry Mulcher	350
Azalea Park (west)	5.4	Forestry Mulcher	1045
Rivanna Free Bridge	1.8	Goats/Forestry Mulcher	350
Upper Walker Middle School	0.5	Goats	95
Meadow Creek Gardens	.85	Goats/Forestry Mulcher	165
Unity Field / NE Park	.61	Goats	115
UVA / Quarry Park	46	Forestry Mulcher	8925
<b>Totals</b>	<b>59.46</b>		<b>11,530</b>

Table refers to anticipated invasive plant control/containment efforts by Charlottesville Parks and Recreation. In general, goats (supplied by Goat Busters, Inc) will be used in areas that were excessively steep/wet, or were too exposed to the public to risk potential injury. Costs and time frames associated with the goats average out to \$4500 per acre with a time frame of 5 days. Costs for forestry mulching on average amount to \$1700 per day, with anywhere from 1 -2.5 acres cleared per day. Following the physical removal of the plants (either browsed by goats or mulched by machinery), invasive vegetation that re-sprouts will be treated with herbicides and/or cut to prevent the invasives from re-establishing. A mix of warm season grasses and forbs will be planted the following spring/fall, with a diverse mix of hardwood trees installed the following spring/fall.