Shade Tree and Beautification Commission Meeting

Agenda

October 28, 2025

3:00 PM

CALL TO ORDER

MINUTES APPROVAL

Minutes of July 29 2025 3:00 PM

Minutes of Aug 26, 2025

Minutes of Sept 30 2025 3:00 PM

FINANCIAL REPORT

NEW BUSINESS

Arista Villas

- Replanting

OLD BUSINESS

Tree City

Pear Removal

Grants

Arbor Day

Food Forest

Delano Field of DIscovery

OTHER

ADJOURN

ARISTA VILLAS STRATEGIC REPLANTING PLAN

October 2025

ARISTA VILLAS STRATEGIC REPLANTING PLAN

Achieving 40% Canopy Coverage Through Planned Urban Forest Development

Project: Arista Villas Residential Development
Location: Mount Vernon, Ohio
Site Area: 39.92 Acres (1,738,915 SF)
Number of Lots: 100 Single Family Residential
Date: October 2025

EXECUTIVE SUMMARY

The Arista Villas development proposes a comprehensive urban forest restoration and replanting strategy designed to transform the existing 31 acre wooded area into a sustainable, high diversity tree canopy that exceeds Mount Vernon's long term goals. The plan is projected to achieve approximately **40% canopy coverage at full maturity (Year 35–40)**, aligning with the City's canopy target, while replacing a declining, ecologically imbalanced woodland with a planned, resilient, and equitable canopy system distributed across the entire 40-acre site.

The existing woodland, as documented by an independent ISA Board Certified Master Arborist (BCMA), contains approximately 2,700 trees, of which roughly 40 percent are in fair, poor, or dead condition. The current forest is dominated by a limited range of species, primarily Sugar Maple, American Elm, and Black Cherry, and is heavily impacted by invasive shrubs such as Japanese Honeysuckle and Autumn Olive. This is typical when a forest has been previously logged which was the findings and opinion of the arborist and further supported by the aerial map images and logging data. This current structure offers limited long term ecological value and poses significant challenges for sustainable development. Considering these conditions and the extensive grading work necessary to prepare the site, our planned replanting strategy provides a far more responsible, effective, and sustainable long term solution than attempting to retain what has largely become an undesirable and declining stand of urban forestry.

Our Restoration Approach Will

- Replace depleted and invasive forest areas with a planned, high diversity canopy system.
- Preserve approximately 135 significant, healthy specimen trees (5%).
- Plant 646 new trees strategically along streets as well as across homesites and pond areas.

Communication: Replanting (Arista Villas)

- Achieve **31.6% canopy coverage at Year 25** and **40–42% canopy coverage at full maturity (Year 35–40)** based on realistic crown spread modeling using i-Tree and USDA Forest Service data.
- Ensure no single species exceeds 10% of total plantings in accordance with the 10-20-30 rule.
- Deliver distributed canopy coverage across 100% of the site, improving shade, stormwater control, and neighborhood appeal.

This science based plan not only replaces tree quantity but elevates quality, introducing greater biodiversity, stronger native representation, and enhanced environmental performance.

The final tree species selection and replanting schedule were reviewed and refined in consultation with **Tyler Mitten, ISA Board Certified Master Arborist (BCMA) (OH-6874B)**, who provided professional guidance on appropriate native and urban tolerant species for this region. His input was instrumental in ensuring that all selections align with Mount Vernon's approved planting lists, regional performance data, and ANSI A300 planting standards. Mr. Mitten also reviewed this replanting plan and presentation for technical accuracy and canopy modeling consistency, bringing both his field expertise and arboricultural credentials to the development of this report. During the planting phase, Mr. Mitten or another Board Certified Master Arborist (BCMA) will be present to oversee planting operations and ensure proper techniques are followed. This professional oversight is intended to promote tree longevity and correct establishment. The developer anticipates an initial failure rate of 10-15% and has implemented a replacement plan for the first two years following planting to maintain canopy consistency and health. The result is a healthier, safer, and more sustainable urban forest that benefits every resident and aligns with Mount Vernon's long term ecological goals.

KEY METRICS

Metric	Finding
Existing Trees	~2,700 (per ISA Arborist assessment)
Trees to Remove	~2,565 (95%)
Trees to Preserve	~135 (5% - significant specimens)
New Trees to Plant	646
Total After Development	781 trees
Canopy Coverage at Maturity (Year 40)	**41.7%**

Communication: Replanting (Arista Villas)

PROFESSIONAL TREE ASSESSMENT

Independent Arborist Evaluation

Ohio Tree Assessment and Consulting LLC conducted a comprehensive plot sampling survey of the existing woodland in October 2025. Tyler Mitten, ISA Board Certified Master Arborist OH 6874B, whose credentials are provided in this detailed presentation, prepared the accompanying detailed arborist report Attachment "A" and used scientifically rigorous methods to assess tree population, species composition, and forest health. The corresponding area plotting maps and reference diagrams are also included in the following attachments "B" and "C" for review.

Methodology:

- 16 circular sampling plots, 100 foot diameter each
- Total sampled area, 2.88 acres, approximately 10% of wooded area
- 256 trees measured and assessed
- GNSS satellite positioning for accuracy
- Trees greater than five inches DBH recorded with species, size, and condition

EXISTING WOODLAND CONDITIONS

The independent arborist's survey conducted by Ohio Tree Assessment and Consulting LLC, Tyler Mitten, ISA Board Certified Master Arborist, estimates approximately 2,700 trees across the 31 acre wooded portion of the Arista Villas site. The analysis revealed a mixed forest with uneven structure, limited diversity, and widespread decline, making preservation of the existing stand unsustainable over the long term.

Metric	Finding
Estimated Total Trees	~2,700 trees (range: 1,215-4,591)
Wooded Area	31 acres (77% of total site)
Average Trees per Acre	87 trees/acre in woodland
Tree Condition - Good	57.42%
Tree Condition - Fair	25.00%
Tree Condition - Poor	9.77%
Tree Condition - Dead	4.30%
Trees in Decline (Fair/Poor/Dead)	**39.07%**

Communication: Replanting (Arista Villas)

Approximately 40 percent of trees were rated fair, poor, or dead, indicating significant decline in forest health.

The woodland is dominated by only a few species, Sugar Maple, American Elm, and Black Cherry, representing nearly two thirds of the total tree population, leaving the forest highly vulnerable to pests and disease.

Invasive tree species, including Tree of Heaven and White Mulberry, were documented, while invasive shrubs such as Japanese Honeysuckle and Autumn Olive were observed to be widespread throughout the understory, suppressing natural regeneration of native trees.

The current canopy lacks species diversity and structural resilience, with dense competition limiting healthy growth and creating an uneven canopy.

Interpretation:

While the site includes select healthy, mature specimens suitable for preservation, the overall forest composition reflects an overmature, invasive dominated understory and a declining canopy with limited ecological benefit.

The Arista Villas Urban Forest Plan therefore focuses on ecological restoration and rebalancing, removing unhealthy or invasive vegetation and replacing it with a curated mix of native, regionally appropriate species to ensure long term canopy health, stability, and biodiversity. This proactive approach delivers a net environmental gain, achieving greater canopy coverage, stronger species diversity, and broader community benefit than the current woodland can provide in its existing state.

COMPREHENSIVE TREE PLANTING PLAN

The detailed tree planting layout drawings and planting area plans are included in the following attachments “D” for reference and review.

Category	Quantity	Purpose
Street Trees	290	Shade corridors, traffic calming, property values
Pond Perimeter	56	Stormwater management, erosion control
Homesite Yards	300	Shade, privacy, individual property value
TOTAL NEW TREES	**646**	**Complete planned urban forest**

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Street and Common Area Trees

Quantity: 290 trees,
Location: Common areas, buffers, and both sides of internal streets,
Spacing: 40 to 50 feet on center (per attached plans)

Species Mix

Common Name	Botanical Name	Quantity
Black Gum	*Nyssa sylvatica*	43
Swamp White Oak	*Quercus bicolor*	37
American Linden	*Tilia americana*	30
Bur Oak	*Quercus macrocarpa*	29
Sugar Maple	*Acer saccharum*	23
London Planetree	*Platanus × acerifolia*	21
Red Maple	*Acer rubrum*	15
American Hornbeam	*Carpinus caroliniana*	14
Kentucky Coffeetree	*Gymnocladus dioicus*	8
Green Giant Arborvitae	*Thuja standishii × plicata 'Green Giant'*	63
Alaska Weeping Cedar	*Chamaecyparis nootkatensis*	7
TOTAL - Common Area & Street Trees		**290**

Pond Perimeter Trees

Quantity: 56 trees,
Location: Around three stormwater ponds,
Purpose: Stormwater control, erosion mitigation, and wildlife support.

Distribution by Pond

Pond A: 26 trees
Pond B: 12 trees
Pond C: 7 trees
And an additional 11 Alaskan Weeping Willows will serve as focal points.

Communication: Replanting (Arista Villas)

Species

Common Name	Botanical Name	Quantity
Baldcypress	*Taxodium distichum*	34
Swamp White Oak	*Quercus bicolor*	11
Alaskan Weeping Willow	*Salix 'Alaska'*	11
TOTAL - Pond Perimeter Trees		**56**

Homesite Yard Trees

Quantity: 300 total trees (100 front and 200 rear),
Location: Individual residential lots,
Purpose: Shade, privacy, aesthetics, and property value enhancement.

Front Yard Trees (100 total)

Common Name	Botanical Name	Quantity
Eastern Redbud	*Cercis canadensis*	51
Flowering Dogwood	*Cornus florida*	49
TOTAL - Front Yard Trees		**100**

Rear Yard Trees (200 total)

Common Name	Botanical Name	Quantity
Hackberry	*Celtis occidentalis*	40
American Beech	*Fagus grandifolia*	40
Sassafras	*Sassafras albidum*	40
American Persimmon	*Diospyros virginiana*	40
Sweet Gum	*Liquidambar styraciflua*	40
TOTAL - Rear Yard Trees		**200**

Communication: Replanting (Arista Villas)

CANOPY COVERAGE PROJECTIONS

At Year 25, canopy coverage is projected at approximately 31.6 percent, representing the early maturity phase of the replanting program. By Year 35, with normal canopy expansion, total coverage increases to about 36.5 percent. At full maturity, between Years 35 and 40, the site is expected to reach 40–42 percent canopy coverage. These values are based on growth rates and mature crown spreads published by the USDA Forest Service and modeled using i-Tree data to reflect realistic canopy development over time.

Year	Canopy Coverage (Acres)	Canopy Coverage (%)	Status
Year 5	0.8	2.0%	Early establishment
Year 10	2.5	6.3%	Juvenile growth
Year 15	5.2	13.0%	Active growth phase
Year 20	8.8	22.0%	Continued expansion
Year 25	12.6	31.6%	Approaching maturity
Year 30	14.0	35.0%	Continued maturation
Year 35	15.3	38.4%	Nearing goal
Year 40	**16.7**	**41.7%**	**Goal Exceeded (+1.7%)**

Category	Count	Avg. Spread (Year 25)	Avg. Spread (Year 40)	Discount Applied	Adjusted Canopy (Year 25) sq ft	Adjusted Canopy (Year 40) sq ft
Large shade trees	350	38 ft	43.7 ft	10%	357,246	472,458
Medium shade trees	240	30 ft	34.5 ft	10%	152,681	201,921
Small ornamental trees	120	21 ft	24.2 ft	20%	33,251	44,156
Columnar/screening evergreens	71	14 ft	16.1 ft	50%	5,465	7,227
Totals	**781**				**548,643 sq ft**	**725,763 sq ft**

Site Size: 1,738,915 sq ft (39.92 acres)
Year 25 Coverage: 31.6% (548,643 sq ft = 12.6 acres)
Year 40 Coverage: 41.7% (725,763 sq ft = 16.7 acres) - **Goal Exceeded (+1.7%)**

SPECIES DIVERSITY AND RESILIENCE

To ensure long term canopy sustainability, our plan follows the 10-20-30 rule, no single species exceeds ten percent of total trees, no single genus exceeds twenty percent of total trees, no single family exceeds thirty percent of total trees. The final mix incorporates Green Giant Arborvitae, Bur Oak, Swamp White Oak, Sugar Maple, American Linden, London Planetree, American Hornbeam, Baldcypress, Hackberry, Tuliptree, American Beech, Redbud, Dogwood, Little Leaf Linden, Silver Linden, and Alaskan Weeping Willow.

Communication: Replanting (Arista Villas)

Species	Count	% of Total (781)
Sugar Maple	68	8.7%
Green Giant Arborvitae	63	8.1%
Eastern Redbud	51	6.5%
Flowering Dogwood	49	6.3%
Northern Red Oak	45	5.8%
Tuliptree	45	5.8%
Black Gum	43	5.5%
Hackberry	40	5.1%
American Beech	40	5.1%
Sassafras	40	5.1%
American Persimmon	40	5.1%
Sweet Gum	40	5.1%
Swamp White Oak	37	4.7%
Baldcypress	34	4.4%
American Linden	30	3.8%
Bur Oak	29	3.7%
London Planetree	21	2.7%
Red Maple	15	1.9%
American Hornbeam	14	1.8%
Alaskan Weeping Willow	11	1.4%
Kentucky Coffeetree	8	1.0%
Alaska Weeping Cedar	7	0.9%
TOTAL	**781 Trees**	**100%**

Compliance Note: 100% compliant with Mount Vernon requirements.

Communication: Replanting (Arista Villas)

SPECIES LEVEL (Maximum 10%)

Species	Count	% of Total
Sugar Maple	68	8.7%
Green Giant Arborvitae	63	8.1%
Eastern Redbud	51	6.5%
Flowering Dogwood	49	6.3%
[18 additional species at 5.8% or less]		
HIGHEST SPECIES	**Sugar Maple: 68**	**8.7% ✓ <10%**

GENUS LEVEL (Maximum 20%)

Genus (Common Names)	Count	% of Total
Quercus (Oaks: Northern Red, Bur, Swamp White)	111	14.2%
Acer (Maples: Sugar, Red)	83	10.6%
Thuja (Green Giant Arborvitae)	63	8.1%
Cercis (Eastern Redbud)	51	6.5%
Cornus (Flowering Dogwood)	49	6.3%
[14 additional genera at 5.8% or less]		
HIGHEST GENUS	**Quercus (Oaks): 111**	**14.2% ✓ <20%**

FAMILY LEVEL (Maximum 30%)

Family (Common Names)	Count	% of Total
Fagaceae (Oaks, Beech)	151	19.3%
Cupressaceae (Arborvitae, Cedar, Baldcypress)	104	13.3%
Sapindaceae (Maples)	83	10.6%
Fabaceae (Redbud, Kentucky Coffeetree)	59	7.6%
Cornaceae (Dogwood)	49	6.3%
[10 additional families at 5.8% or less]		
HIGHEST FAMILY	**Fagaceae (Oaks, Beech): 151**	**19.3% ✓ <30%**

10-20-30 RULE COMPLIANCE

The 10-20-30 rule ensures biodiversity and resilience, stating that no single species exceeds 10%, no single genus exceeds 20%, and no single family exceeds 30% of total trees. This principle is followed to prevent catastrophic canopy loss from species-specific pests or diseases and to promote long term ecosystem balance and health.

Functional Benefits of Our Plan

- **Street Tree Corridors:** Continuous canopy along all streets provides shade for pedestrians, slows traffic, and reduces the urban heat island effect.
- **Stormwater Integration:** Trees around ponds provide erosion control, water quality improvement, and wildlife habitat.
- **Distributed Equity:** Every lot and street benefits from trees, not just those adjacent to preserved woodland.
- **Long-term Sustainability:** Diverse species mix (8–10 species) protects against disease and pest devastation.
- **Property Value Enhancement:** Studies show street trees increase property values by 7–15%.

CONCLUSION

By strategically distributing 646 new trees (781 total) across the 40-acre site, the Arista Villas Replanting Plan delivers an equitable, diverse, and sustainable urban forest. The revised modeling, based on i-Tree and USDA Forest Service data, demonstrates that the site will achieve approximately **40% canopy coverage upon full maturity (Year 35–40)**. This meets the City's canopy objectives without increasing tree density beyond spatial or infrastructure limits.

In addition, the plan ensures:

- **Species diversity compliance** under the 10-20-30 rule.
- **Professional planting oversight** by an ISA Board Certified Master Arborist.
- **Maintenance and replanting commitments** over a 2-year establishment period to sustain canopy trajectory.

This approach guarantees that Arista Villas will mature into a thriving, resilient tree canopy that fulfills the Mount Vernon Shade Tree Commission's environmental, aesthetic, and sustainability goals.

We respectfully request the Mount Vernon Shadetree Commission's approval of this replanting plan, recognizing that it achieves the City's canopy coverage objectives while creating a more livable, sustainable, and beautiful community for Mount Vernon residents to enjoy in the future.

ARBORIST CREDENTIALS AND CONTRIBUTIONS

This plan was developed in collaboration with Tyler Mitten, ISA Board Certified Master Arborist (BCMA), credential OH 6874B, and owner of Ohio Tree Assessment and Consulting, LLC. Mr. Mitten provided on site tree inventory, analysis, and expert review of existing forest composition and canopy health for the Arista Villas site.

Professional highlights:

- Guided the Circleville Tree Commission through a five year, one million dollar federal grant project focused on urban canopy expansion and the planting of one thousand new trees.
- Tree inventory expert with more than ten thousand trees logged during the past year using GIS and mobile data collection.
- First hand management of mass tree planting projects that exceed one hundred trees per instance, including species selection, site selection, supervision of planting operations, and quality audits.
- Nine years of professional experience in arboriculture with a focus on urban forestry and canopy planning.
- Active member of the Ohio Chapter of the International Society of Arboriculture, serving on the Ohio Tree Climbing Competition Committee, the Ohio Tree Care Conference Committee, the Exhibitors and Sponsors Subcommittee, and the Marketing Committee.

Mr. Mitten's expertise ensures that the recommendations and canopy projections in this plan are based on field data, recognized arboricultural standards, and practices endorsed by the ISA and the USDA Forest Service. During planting, Mr. Mitten or another Board Certified Master Arborist (BCMA) will assist to ensure proper planting techniques, establishment, and longevity. The developer anticipates an initial failure rate of ten to fifteen percent and has a replacement plan in place for the first two years after planting to maintain canopy health and consistency.

SOURCES AND REFERENCES FOR TREE GROWTH PROJECTIONS

All data used in the Arista Villas Strategic Replanting Plan are derived from authoritative, publicly available, and professionally recognized sources. These references form the basis for canopy growth projections, species selection, and best practices.

- **i-Tree® Suite (USDA Forest Service)** — The Species and Location databases form the backbone for tree growth modeling, including crown width, height, and ecosystem service calculations (www.itreetools.org).
- **Urban Tree Database & Allometric Equations (PSW-GTR-253)** — Provides empirical equations derived from approximately 14,000 trees across 17 U.S. cities over a 14-year period; includes crown diameter and growth rate functions used in this canopy model (www.fs.usda.gov/psw/publications/documents/psw_gtr253/).
- **Regional Tree-Selection References** — Tools such as the Morton Arboretum Tree Selector (mortonarb.org/tree-selector/) and the Arbor Day Foundation Tree Guide (arborday.org/treeguide/) supply mature spread data, hardiness zones, and local viability for the Ohio/Midwest region.
- **Professional Standards & Best Practices** — Credentials and standards from the International Society of Arboriculture (ISA) (isa-arbor.com) and ANSI A300 Standards (tcia.org/ANSI_Standards) guide species diversity, planting, maintenance, and long-term viability of the tree canopy.
- **State & Regional Forestry Resources** — Ohio State University Extension Urban Forestry (ohioline.osu.edu/topic/forest-resources) and the Ohio Department of Natural Resources Division of Forestry (ohiodnr.gov/forestry) offer regionally specific guidance on species selection, site conditions, and maintenance practices.
- **Supplemental Research Sources** — American Forests Tree Equity Program (americanforests.org), Tree Equity Score Tool (treeequityscore.org), Urban Tree Research (urbantreeresearch.org), USDA Forest Service Urban & Community Forestry (fs.usda.gov/managing-land/urban-forests), Tree Benefits Calculator (treebenefits.com/calculator), and Arbor Day Foundation Tree City USA (arborday.org/programs/treecityusa/).

These sources were used together to:

1. Model canopy growth over time (via crown width, tree counts, and spacing)
2. Inform species selection and placement to meet diversity and longevity goals
3. Shape maintenance and establishment protocols to support full maturity of the canopy

All links verified and active as of October 2025.

Reference Links:

- i-Tree® Tools: www.itreetools.org
- USDA Forest Service Urban Tree Database (PSW-GTR-253): www.fs.usda.gov/psw/publications/documents/psw_gtr253/
- Morton Arboretum Tree Selector: mortonarb.org/tree-selector/
- Arbor Day Foundation Tree Guide: arborday.org/treeguide/
- International Society of Arboriculture (ISA): isa-arbor.com
- ANSI A300 Standards (TCIA): tcia.org/ANSI_Standards
- Ohio State University Extension Urban Forestry: ohioline.osu.edu/topic/forest-resources
- Ohio Department of Natural Resources Division of Forestry: ohiodnr.gov/forestry
- American Forests Tree Equity Program: americanforests.org
- Tree Equity Score Tool: treeequityscore.org
- Urban Tree Research (NUCFAC): urbantreeresearch.org
- USDA Forest Service Urban & Community Forestry: fs.usda.gov/managing-land/urban-forests
- Tree Benefits Calculator: treebenefits.com/calculator
- Arbor Day Foundation Tree City USA: arborday.org/programs/treecityusa/

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Plot Sampling Report

Prepared for Arista Villas development project- 0 Vernon View Dr Mount Vernon, OH
Parcel #6607961000

Introduction

This report and corresponding survey was prepared for use in the development of the Arista Villas project located at 0 Vernon View Dr in Mount Vernon, Ohio within the continuous wooded area of the parcel #6607961000. Ohio Tree Assessment and Consulting LLC was initially contacted by one Joe Curry to carry out the sampling project. This report contains the methods used to conduct the survey and general findings from the plot sampling project.

Methods

To accurately sample the described area, a shapefile was created using the parcel boundary and 16 evenly distributed, circular sampling plots with real-world diameters of approximately 100 feet. These plots were randomly placed before the site was seen in person to eliminate any potential sampling bias.

The area of each plot was about 7,850 square feet, with a total sampled area of 125,600 square feet or 2.88 acres. For the purposes of this report, it is assumed that this sampling area accounts for 10% of the total wooded acreage (31 acres) on the property.

After the sampling plot shapefile was created, the field sampling of the plots took place. Trees within the plots with a trunk diameter over 5 inches were recorded in a software called TreePlotter using a GNSS satellite device to ensure precise location (within 3 feet) of each tree sampled. For each sampled tree, common and scientific name, diameter-at-breast-height (DBH), estimated height, and condition were recorded. Dead trees were only recorded if they were standing and taller than 30 feet. Invasive shrub species such as Japanese honeysuckle and Autumn olive were not recorded for the purposes of this report, though the property does contain large areas of both species.

The shapefile used for this sampling as well as a shapefile of the plotted tree points will be submitted with this report. An image is also included which numbers the plots for ease of reference.

Communication: Replanting (Arista Villas)

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Findings

Upon completion of the field sampling, 256 trees were surveyed across the 16 sampling plots. These 256 trees were made up of 18 individual species and 16 different genera. The average number of trees per plot was 16, with the highest number of trees within one plot being 27 and the lowest being 7. This gives an average population density of 0.0020 trees per square foot, with a range of 0.0034-0.0009. Extrapolated over the entire wooded portion of the property, a total tree population range of 1,215-4,591 with an average of 2701 can be assumed. It can also be assumed that Sugar maple, American elm, Black cherry, Ash, and Tulip tree are the most prevalent species.

Species distributions are as follows:

Common Name	Count	Percent
Sugar maple	71	27.73%
American elm	55	21.48%
Black cherry	44	17.19%
Ash	22	8.59%
Tulip tree	16	6.25%
Pignut hickory	8	3.13%
Black walnut	6	2.34%
Northern red oak	6	2.34%
Blackgum	6	2.34%
Boxelder	5	1.95%
Mulberry	4	1.56%
Tree-of-heaven	4	1.56%
Flowering dogwood	3	1.17%
Black oak	2	0.78%
American hornbeam	1	0.39%
Eastern hophornbeam	1	0.39%
Northern hackberry	1	0.39%
Crabapple	1	0.39%

Communication: Replanting (Arista Villas)

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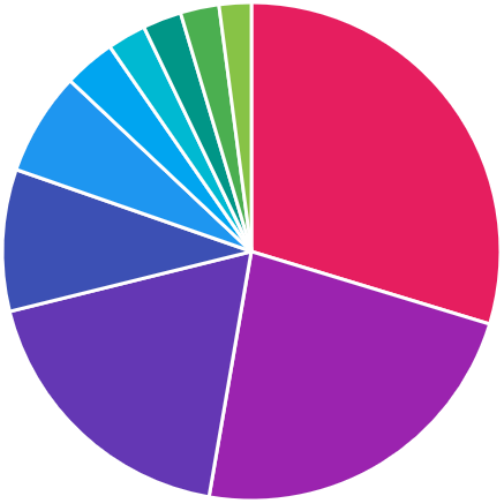

Sugar maple	29.7%
American elm	23.0%
Black cherry	18.4%
Ash	9.2%
Tulip tree	6.7%
Pignut hickory	3.3%
Black walnut	2.5%
Northern red oa...	2.5%
Blackgum	2.5%
Boxelder	2.1%

Communication: Replanting (Arista Villas)

Condition ratings for the entire sample population are as follows:

Condition	Count	Percent
Good	147	57.42%
Fair	64	25.00%
Poor	25	9.77%
Dead	11	4.30%
Excellent	9	3.52%

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Diameter distribution is as follows:

DBH Range	Count	Percent
6-12in	107	41.80%
12-18in	77	30.08%
18-24in	34	13.28%
3-6in	19	7.42%
24-30in	13	5.08%
>30in	6	2.34%

Conclusions

Though this plot sampling was small, it paints an unbiased picture of the total composition of the wooded area described in this report. It should be noted that outliers do exist in any data set, and this property is made up of several different habitat types based on terrain and sun exposure. During the next phases of your development project, it would be wise to continue to consult with an arborist to determine which trees can be preserved and protected during construction. Properly retaining large, mature trees will greatly increase the value of the future properties as well as provide long-term environmental benefits to the future residents.

If additional information or calculation is required, please reach out via the contact information at the top of this report.

Disclaimer

The information contained within this report was not intended to be used as a tree risk assessment and does not detail the likelihood of failure of any trees within the property. No information regarding tree risk was captured by the plot sampling methods outlined in this report. Ohio Tree Assessment and Consulting LLC is not responsible for any tree failures or tree-related incidents that may occur after submission of this report.

Communication: Replanting (Arista Villas)

Ohio Tree Assessment and Consulting LLC
Tyler Mitten
ISA Board Certified Master Arborist OH-6874B
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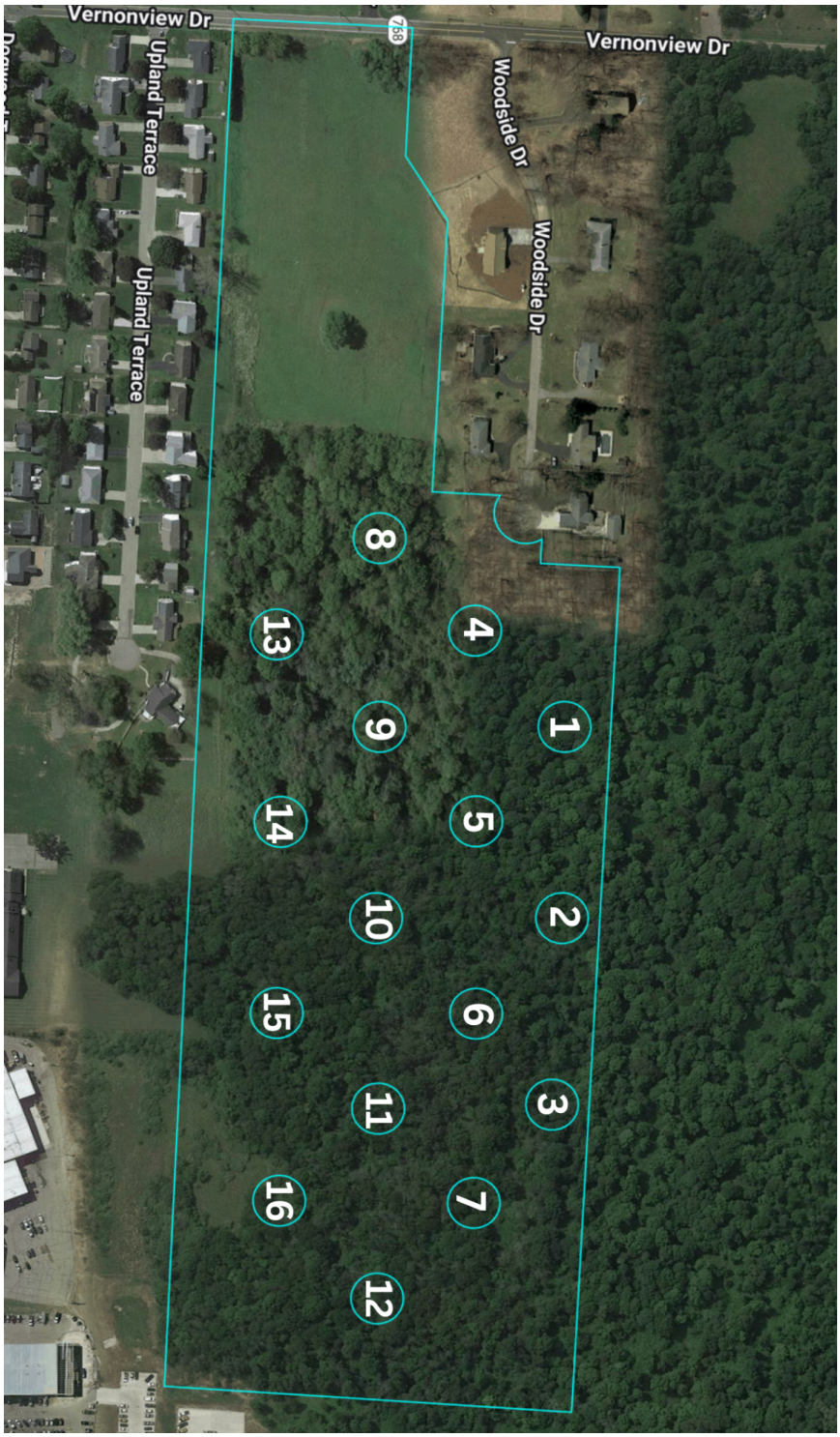
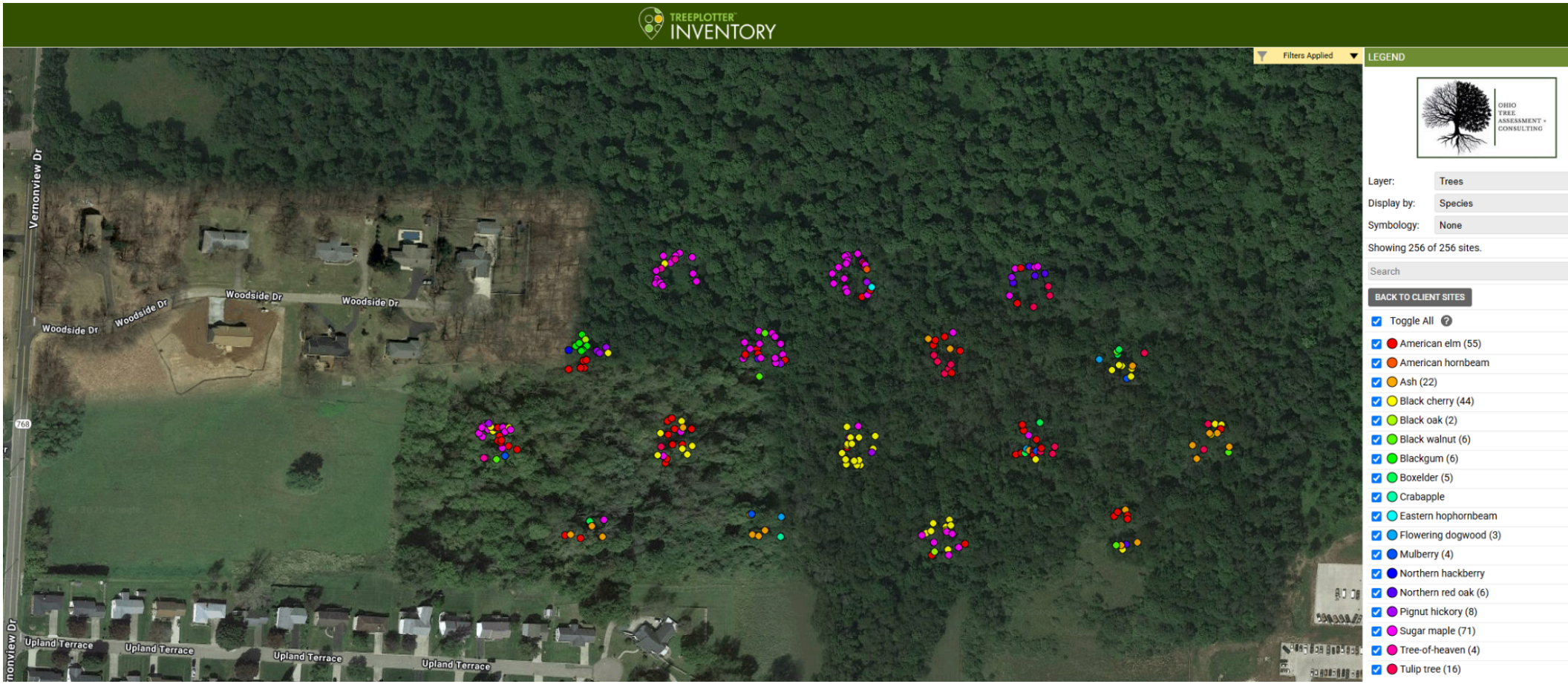
Reference image



Communication: Replanting (Arista Villas)


ATTACHMENT "B"
Vernonview Dr
Woodside Dr
Woodside Dr
768
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Upland Terrace
Upland Terrace
Vernonview Dr



ATTACHMENT "C"

Communication: Replanting (Arista Villas)

COMPLETE TREE INVENTORY - ARBORIST SURVEY

Independent Assessment by Ohio Tree Assessment and Consulting LLC
Survey Method: 16 circular plots (100 ft diameter) | Sample Area: 2.88 acres | Total Trees: 256

Quick Stats: 256 trees surveyed | Average DBH: 12.9" | Average Height: 54.4 ft |
Condition: 3.5% Excellent, 57.4% Good, 25.0% Fair, 9.8% Poor, 4.3% Dead

Tree ID	Common Name	Scientific Name	Condition	Status	DBH (in)	Height (ft)
1	Northern hackberry	*Celtis occidentalis*	Good	Alive	9.0"	40.0 ft
2	Blackgum	*Nyssa sylvatica*	Fair	Alive	15.0"	60.0 ft
3	Blackgum	*Nyssa sylvatica*	Fair	Alive	8.0"	35.0 ft
4	Blackgum	*Nyssa sylvatica*	Good	Alive	16.0"	70.0 ft
5	Black oak	*Quercus velutina*	Good	Alive	12.0"	65.0 ft
6	Blackgum	*Nyssa sylvatica*	Good	Alive	11.0"	60.0 ft
7	Pignut hickory	*Carya glabra*	Good	Alive	12.0"	65.0 ft
8	Pignut hickory	*Carya glabra*	Good	Alive	19.0"	80.0 ft
9	Pignut hickory	*Carya glabra*	Good	Alive	10.0"	55.0 ft
10	Blackgum	*Nyssa sylvatica*	Fair	Alive	19.0"	70.0 ft
11	Blackgum	*Nyssa sylvatica*	Good	Alive	10.0"	45.0 ft
12	American elm	*Ulmus americana*	Poor	Alive	6.0"	30.0 ft
13	American elm	*Ulmus americana*	Fair	Alive	9.0"	45.0 ft
14	American elm	*Ulmus americana*	Fair	Alive	10.0"	55.0 ft
15	American elm	*Ulmus americana*	Fair	Alive	6.0"	35.0 ft
16	American elm	*Ulmus americana*	Fair	Alive	6.0"	35.0 ft
17	Black cherry	*Prunus serotina*	Poor	Alive	18.0"	80.0 ft
18	Sugar maple	*Acer saccharum*	Good	Alive	12.0"	55.0 ft
19	Sugar maple	*Acer saccharum*	Good	Alive	14.0"	70.0 ft
20	Sugar maple	*Acer saccharum*	Good	Alive	6.0"	45.0 ft
21	Black cherry	*Prunus serotina*	Fair	Alive	16.0"	60.0 ft
22	American elm	*Ulmus americana*	Fair	Alive	10.0"	55.0 ft
23	Black cherry	*Prunus serotina*	Good	Alive	15.0"	70.0 ft
24	Pignut hickory	*Carya glabra*	Good	Alive	18.0"	80.0 ft
25	American elm	*Ulmus americana*	Good	Alive	11.0"	60.0 ft
26	Sugar maple	*Acer saccharum*	Good	Alive	6.0"	40.0 ft
27	Sugar maple	*Acer saccharum*	Good	Alive	6.0"	35.0 ft
28	Sugar maple	*Acer saccharum*	Good	Alive	11.0"	55.0 ft
29	American elm	*Ulmus americana*	Good	Alive	12.0"	70.0 ft
30	American elm	*Ulmus americana*	Fair	Alive	13.0"	60.0 ft
31	American elm	*Ulmus americana*	Fair	Alive	12.0"	60.0 ft
32	American elm	*Ulmus americana*	Fair	Alive	7.0"	50.0 ft
34	Sugar maple	*Acer saccharum*	Good	Alive	14.0"	65.0 ft
35	American elm	*Ulmus americana*	Good	Alive	12.0"	60.0 ft
36	Mulberry	*Morus spp.*	Poor	Alive	17.0"	35.0 ft
37	Black walnut	*Juglans nigra*	Good	Alive	28.0"	85.0 ft
38	Tree-of-heaven	*Ailanthus altissima*	Good	Alive	5.0"	30.0 ft
39	Tree-of-heaven	*Ailanthus altissima*	Good	Alive	5.0"	30.0 ft
40	Sugar maple	*Acer saccharum*	Good	Alive	13.0"	65.0 ft
41	Sugar maple	*Acer saccharum*	Fair	Alive	13.0"	70.0 ft
42	Sugar maple	*Acer saccharum*	Poor	Alive	9.0"	50.0 ft
43	Black cherry	*Prunus serotina*	Good	Alive	16.0"	75.0 ft
44	Sugar maple	*Acer saccharum*	Good	Alive	5.0"	40.0 ft
45	American elm	*Ulmus americana*	Good	Alive	10.0"	30.0 ft
46	American elm	*Ulmus americana*	Good	Alive	11.0"	55.0 ft

Communication: Replanting (Arista Villas)

47	Ash	*Fraxinus spp.*	Dead	Dead	25.0"	65.0 ft
48	American elm	*Ulmus americana*	Dead	Dead	19.0"	60.0 ft
49	Boxelder	*Acer negundo*	Fair	Alive	12.0"	35.0 ft
50	Ash	*Fraxinus spp.*	Dead	Dead	32.0"	55.0 ft
51	Ash	*Fraxinus spp.*	Dead	Dead	31.5"	65.0 ft
52	Sugar maple	*Acer saccharum*	Good	Alive	12.0"	40.0 ft
53	American elm	*Ulmus americana*	Good	Alive	5.0"	35.0 ft
54	American elm	*Ulmus americana*	Good	Alive	12.0"	50.0 ft
55	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	50.0 ft
56	Black cherry	*Prunus serotina*	Fair	Alive	10.0"	55.0 ft
57	Tulip tree	*Liriodendron tulipifera*	Fair	Alive	32.0"	90.0 ft
58	American elm	*Ulmus americana*	Poor	Alive	11.0"	45.0 ft
59	American elm	*Ulmus americana*	Good	Alive	11.0"	50.0 ft
60	Black cherry	*Prunus serotina*	Fair	Alive	10.0"	40.0 ft
61	American elm	*Ulmus americana*	Good	Alive	9.0"	45.0 ft
62	American elm	*Ulmus americana*	Good	Alive	15.0"	65.0 ft
63	American elm	*Ulmus americana*	Poor	Alive	6.0"	25.0 ft
64	Black cherry	*Prunus serotina*	Fair	Alive	9.0"	40.0 ft
65	Ash	*Fraxinus spp.*	Fair	Alive	14.0"	35.0 ft
66	Sugar maple	*Acer saccharum*	Good	Alive	13.0"	50.0 ft
67	American elm	*Ulmus americana*	Good	Alive	11.0"	55.0 ft
68	American elm	*Ulmus americana*	Good	Alive	5.0"	30.0 ft
69	Black cherry	*Prunus serotina*	Poor	Alive	23.0"	70.0 ft
70	Black cherry	*Prunus serotina*	Poor	Alive	28.0"	75.0 ft
71	Black cherry	*Prunus serotina*	Fair	Alive	14.0"	60.0 ft
72	Ash	*Fraxinus spp.*	Good	Alive	17.0"	50.0 ft
73	Ash	*Fraxinus spp.*	Good	Alive	8.0"	35.0 ft
74	Ash	*Fraxinus spp.*	Good	Alive	20.0"	55.0 ft
75	Crabapple	*Malus spp.*	Fair	Alive	14.0"	30.0 ft
76	Flowering dogwood	*Cornus florida*	Poor	Alive	12.2"	20.0 ft
77	Ash	*Fraxinus spp.*	Dead	Dead	22.0"	65.0 ft
78	Ash	*Fraxinus spp.*	Good	Alive	15.0"	50.0 ft
79	Mulberry	*Morus spp.*	Fair	Alive	9.0"	25.0 ft
80	Black cherry	*Prunus serotina*	Fair	Alive	24.8"	75.0 ft
81	American elm	*Ulmus americana*	Good	Alive	15.0"	70.0 ft
82	Black cherry	*Prunus serotina*	Good	Alive	7.0"	40.0 ft
83	Black cherry	*Prunus serotina*	Good	Alive	10.0"	60.0 ft
84	Sugar maple	*Acer saccharum*	Good	Alive	12.0"	55.0 ft
85	Black cherry	*Prunus serotina*	Good	Alive	7.0"	50.0 ft
86	Black cherry	*Prunus serotina*	Good	Alive	7.0"	50.0 ft
87	Black cherry	*Prunus serotina*	Good	Alive	11.0"	60.0 ft
88	Sugar maple	*Acer saccharum*	Fair	Alive	31.0"	70.0 ft
89	Black cherry	*Prunus serotina*	Fair	Alive	26.0"	75.0 ft
90	Black cherry	*Prunus serotina*	Good	Alive	13.0"	55.0 ft
91	Black cherry	*Prunus serotina*	Poor	Alive	22.0"	70.0 ft
92	Pignut hickory	*Carya glabra*	Good	Alive	13.0"	60.0 ft
93	Black cherry	*Prunus serotina*	Good	Alive	18.0"	80.0 ft
94	Black cherry	*Prunus serotina*	Good	Alive	9.0"	45.0 ft
95	Black cherry	*Prunus serotina*	Good	Alive	9.0"	45.0 ft
96	Black cherry	*Prunus serotina*	Good	Alive	15.0"	65.0 ft
97	Black cherry	*Prunus serotina*	Fair	Alive	30.0"	75.0 ft
98	Black cherry	*Prunus serotina*	Good	Alive	11.0"	60.0 ft
99	Sugar maple	*Acer saccharum*	Fair	Alive	22.0"	65.0 ft

100	Sugar maple	*Acer saccharum*	Good	Alive	15.0"	50.0 ft
101	American elm	*Ulmus americana*	Good	Alive	23.0"	75.0 ft
102	Sugar maple	*Acer saccharum*	Good	Alive	6.0"	35.0 ft
103	Sugar maple	*Acer saccharum*	Good	Alive	9.0"	45.0 ft
104	American elm	*Ulmus americana*	Good	Alive	11.0"	55.0 ft
105	American elm	*Ulmus americana*	Good	Alive	5.0"	40.0 ft
106	Northern red oak	*Quercus rubra*	Good	Alive	12.0"	60.0 ft
107	Sugar maple	*Acer saccharum*	Good	Alive	12.0"	65.0 ft
108	Sugar maple	*Acer saccharum*	Good	Alive	15.0"	80.0 ft
109	Sugar maple	*Acer saccharum*	Good	Alive	12.0"	55.0 ft
110	Black walnut	*Juglans nigra*	Good	Alive	19.0"	75.0 ft
111	Sugar maple	*Acer saccharum*	Good	Alive	14.0"	65.0 ft
112	Sugar maple	*Acer saccharum*	Good	Alive	20.0"	70.0 ft
113	Sugar maple	*Acer saccharum*	Good	Alive	20.0"	70.0 ft
114	Sugar maple	*Acer saccharum*	Good	Alive	7.0"	55.0 ft
115	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	65.0 ft
116	American elm	*Ulmus americana*	Good	Alive	9.0"	55.0 ft
117	Pignut hickory	*Carya glabra*	Fair	Alive	13.0"	55.0 ft
118	Sugar maple	*Acer saccharum*	Good	Alive	8.0"	50.0 ft
119	Sugar maple	*Acer saccharum*	Poor	Alive	5.0"	30.0 ft
120	Black walnut	*Juglans nigra*	Fair	Alive	16.0"	70.0 ft
121	Sugar maple	*Acer saccharum*	Fair	Alive	18.0"	55.0 ft
122	Sugar maple	*Acer saccharum*	Good	Alive	9.0"	50.0 ft
123	Sugar maple	*Acer saccharum*	Good	Alive	20.0"	75.0 ft
124	Sugar maple	*Acer saccharum*	Good	Alive	7.0"	55.0 ft
125	Sugar maple	*Acer saccharum*	Good	Alive	7.0"	60.0 ft
126	Sugar maple	*Acer saccharum*	Good	Alive	8.0"	50.0 ft
127	Sugar maple	*Acer saccharum*	Good	Alive	11.0"	65.0 ft
128	Black cherry	*Prunus serotina*	Good	Alive	20.0"	70.0 ft
129	Tree-of-heaven	*Ailanthus altissima*	Good	Alive	9.0"	50.0 ft
130	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	60.0 ft
131	Sugar maple	*Acer saccharum*	Good	Alive	7.0"	45.0 ft
132	Sugar maple	*Acer saccharum*	Good	Alive	14.0"	70.0 ft
133	Sugar maple	*Acer saccharum*	Good	Alive	16.0"	70.0 ft
134	Sugar maple	*Acer saccharum*	Good	Alive	16.0"	75.0 ft
135	Sugar maple	*Acer saccharum*	Good	Alive	9.0"	45.0 ft
136	Sugar maple	*Acer saccharum*	Good	Alive	17.0"	70.0 ft
137	Tree-of-heaven	*Ailanthus altissima*	Poor	Alive	9.0"	35.0 ft
138	Sugar maple	*Acer saccharum*	Fair	Alive	20.0"	70.0 ft
139	Sugar maple	*Acer saccharum*	Good	Alive	11.0"	60.0 ft
140	Sugar maple	*Acer saccharum*	Good	Alive	17.0"	65.0 ft
141	American elm	*Ulmus americana*	Poor	Alive	5.0"	nan ft
142	Sugar maple	*Acer saccharum*	Poor	Alive	9.0"	30.0 ft
143	American elm	*Ulmus americana*	Good	Alive	5.0"	25.0 ft
144	American elm	*Ulmus americana*	Fair	Alive	12.0"	40.0 ft
145	Eastern hophornbeam	*Ostrya virginiana*	Good	Alive	6.0"	35.0 ft
146	Pignut hickory	*Carya glabra*	Good	Alive	11.0"	50.0 ft
147	Tulip tree	*Liriodendron tulipifera*	Good	Alive	24.0"	85.0 ft
148	Sugar maple	*Acer saccharum*	Good	Alive	6.0"	30.0 ft
149	American elm	*Ulmus americana*	Good	Alive	5.0"	25.0 ft
150	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	45.0 ft
151	American hornbeam	*Carpinus caroliniana*	Poor	Alive	6.0"	20.0 ft
152	Sugar maple	*Acer saccharum*	Good	Alive	15.0"	70.0 ft

153	Sugar maple	*Acer saccharum*	Fair	Alive	9.0"	55.0 ft
154	Sugar maple	*Acer saccharum*	Good	Alive	14.0"	75.0 ft
155	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	55.0 ft
156	Sugar maple	*Acer saccharum*	Good	Alive	11.0"	55.0 ft
157	Sugar maple	*Acer saccharum*	Fair	Alive	8.0"	40.0 ft
158	Sugar maple	*Acer saccharum*	Good	Alive	12.0"	50.0 ft
159	Sugar maple	*Acer saccharum*	Good	Alive	9.0"	65.0 ft
160	Sugar maple	*Acer saccharum*	Poor	Alive	12.0"	40.0 ft
161	Ash	*Fraxinus spp.*	Poor	Alive	12.0"	60.0 ft
162	American elm	*Ulmus americana*	Good	Alive	11.0"	50.0 ft
163	American elm	*Ulmus americana*	Fair	Alive	9.0"	40.0 ft
164	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	18.0"	75.0 ft
165	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	18.0"	75.0 ft
166	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	15.0"	70.0 ft
167	Tulip tree	*Liriodendron tulipifera*	Good	Alive	15.0"	70.0 ft
168	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	22.0"	85.0 ft
169	American elm	*Ulmus americana*	Fair	Alive	11.0"	55.0 ft
170	Ash	*Fraxinus spp.*	Fair	Alive	9.0"	45.0 ft
171	American elm	*Ulmus americana*	Poor	Alive	9.0"	25.0 ft
172	American elm	*Ulmus americana*	Fair	Alive	16.0"	60.0 ft
173	Sugar maple	*Acer saccharum*	Good	Alive	8.0"	55.0 ft
174	American elm	*Ulmus americana*	Good	Alive	12.0"	65.0 ft
175	Sugar maple	*Acer saccharum*	Good	Alive	11.0"	50.0 ft
176	Northern red oak	*Quercus rubra*	Good	Alive	13.0"	60.0 ft
177	Pignut hickory	*Carya glabra*	Fair	Alive	5.0"	35.0 ft
178	Sugar maple	*Acer saccharum*	Good	Alive	8.0"	35.0 ft
179	American elm	*Ulmus americana*	Good	Alive	13.0"	50.0 ft
180	Northern red oak	*Quercus rubra*	Good	Alive	12.0"	70.0 ft
181	Sugar maple	*Acer saccharum*	Good	Alive	7.0"	35.0 ft
182	Sugar maple	*Acer saccharum*	Good	Alive	9.0"	55.0 ft
183	Northern red oak	*Quercus rubra*	Good	Alive	15.0"	65.0 ft
184	Northern red oak	*Quercus rubra*	Good	Alive	22.0"	75.0 ft
185	Tulip tree	*Liriodendron tulipifera*	Good	Alive	13.0"	60.0 ft
186	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	18.0"	80.0 ft
187	Tulip tree	*Liriodendron tulipifera*	Good	Alive	24.0"	75.0 ft
188	Mulberry	*Morus spp.*	Fair	Alive	6.0"	25.0 ft
189	Black cherry	*Prunus serotina*	Fair	Alive	18.0"	75.0 ft
190	Black cherry	*Prunus serotina*	Fair	Alive	15.0"	65.0 ft
191	Ash	*Fraxinus spp.*	Fair	Alive	13.0"	60.0 ft
192	Black cherry	*Prunus serotina*	Poor	Alive	15.0"	35.0 ft
193	Black cherry	*Prunus serotina*	Fair	Alive	13.0"	65.0 ft
194	Black cherry	*Prunus serotina*	Good	Alive	16.0"	70.0 ft
195	Boxelder	*Acer negundo*	Good	Alive	8.0"	55.0 ft
196	Black walnut	*Juglans nigra*	Good	Alive	10.0"	45.0 ft
197	Boxelder	*Acer negundo*	Fair	Alive	7.0"	40.0 ft
198	Flowering dogwood	*Cornus florida*	Fair	Alive	10.0"	25.0 ft
199	Tulip tree	*Liriodendron tulipifera*	Good	Alive	35.0"	90.0 ft
200	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	27.0"	80.0 ft
201	Black cherry	*Prunus serotina*	Good	Alive	9.0"	50.0 ft
202	Black cherry	*Prunus serotina*	Fair	Alive	20.0"	50.0 ft
203	American elm	*Ulmus americana*	Good	Alive	6.0"	30.0 ft
204	Ash	*Fraxinus spp.*	Fair	Alive	9.0"	45.0 ft
205	Black cherry	*Prunus serotina*	Good	Alive	17.0"	75.0 ft

206	Ash	*Fraxinus spp.*	Fair	Alive	5.0"	25.0 ft
207	Ash	*Fraxinus spp.*	Dead	Dead	19.0"	55.0 ft
208	Ash	*Fraxinus spp.*	Dead	Dead	26.9"	60.0 ft
209	Tulip tree	*Liriodendron tulipifera*	Good	Alive	11.0"	35.0 ft
210	Black walnut	*Juglans nigra*	Good	Alive	13.0"	60.0 ft
211	Ash	*Fraxinus spp.*	Fair	Alive	9.0"	35.0 ft
212	Ash	*Fraxinus spp.*	Dead	Dead	20.0"	65.0 ft
213	Northern red oak	*Quercus rubra*	Good	Alive	19.0"	70.0 ft
214	Black cherry	*Prunus serotina*	Good	Alive	25.0"	75.0 ft
215	Ash	*Fraxinus spp.*	Good	Alive	13.0"	55.0 ft
216	Black walnut	*Juglans nigra*	Good	Alive	12.0"	55.0 ft
217	American elm	*Ulmus americana*	Good	Alive	7.0"	35.0 ft
218	American elm	*Ulmus americana*	Fair	Alive	5.0"	25.0 ft
219	Ash	*Fraxinus spp.*	Poor	Alive	11.0"	60.0 ft
220	American elm	*Ulmus americana*	Poor	Alive	6.0"	30.0 ft
221	American elm	*Ulmus americana*	Dead	Dead	9.0"	45.0 ft
222	American elm	*Ulmus americana*	Fair	Alive	5.0"	25.0 ft
223	Sugar maple	*Acer saccharum*	Fair	Alive	24.0"	65.0 ft
224	Black cherry	*Prunus serotina*	Good	Alive	8.0"	50.0 ft
225	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	55.0 ft
226	Black oak	*Quercus velutina*	Poor	Alive	13.0"	50.0 ft
227	American elm	*Ulmus americana*	Fair	Alive	11.0"	55.0 ft
228	Sugar maple	*Acer saccharum*	Good	Alive	14.0"	60.0 ft
229	Black cherry	*Prunus serotina*	Good	Alive	10.0"	55.0 ft
230	Sugar maple	*Acer saccharum*	Good	Alive	7.0"	50.0 ft
231	Black cherry	*Prunus serotina*	Poor	Alive	20.0"	65.0 ft
232	Black cherry	*Prunus serotina*	Good	Alive	5.0"	40.0 ft
233	Black cherry	*Prunus serotina*	Fair	Alive	16.0"	75.0 ft
234	Black cherry	*Prunus serotina*	Good	Alive	19.0"	85.0 ft
235	Black cherry	*Prunus serotina*	Fair	Alive	20.0"	80.0 ft
236	Black cherry	*Prunus serotina*	Fair	Alive	18.0"	70.0 ft
237	Sugar maple	*Acer saccharum*	Fair	Alive	7.0"	50.0 ft
238	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	60.0 ft
239	American elm	*Ulmus americana*	Good	Alive	8.0"	45.0 ft
240	American elm	*Ulmus americana*	Poor	Alive	6.0"	35.0 ft
241	Boxelder	*Acer negundo*	Fair	Alive	5.0"	25.0 ft
242	Flowering dogwood	*Cornus florida*	Good	Alive	6.0"	20.0 ft
243	Ash	*Fraxinus spp.*	Dead	Dead	17.0"	60.0 ft
244	Ash	*Fraxinus spp.*	Dead	Dead	18.0"	55.0 ft
245	American elm	*Ulmus americana*	Good	Alive	5.0"	45.0 ft
246	American elm	*Ulmus americana*	Good	Alive	10.0"	45.0 ft
247	Black cherry	*Prunus serotina*	Fair	Alive	14.0"	55.0 ft
248	Mulberry	*Morus spp.*	Fair	Alive	5.0"	20.0 ft
249	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	26.0"	90.0 ft
250	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	12.0"	65.0 ft
251	Tulip tree	*Liriodendron tulipifera*	Excellent	Alive	28.0"	80.0 ft
252	American elm	*Ulmus americana*	Fair	Alive	11.0"	45.0 ft
253	American elm	*Ulmus americana*	Fair	Alive	11.0"	55.0 ft
254	Sugar maple	*Acer saccharum*	Good	Alive	10.0"	45.0 ft
255	American elm	*Ulmus americana*	Fair	Alive	7.0"	35.0 ft
256	American elm	*Ulmus americana*	Good	Alive	15.0"	65.0 ft
257	Boxelder	*Acer negundo*	Poor	Alive	5.0"	20.0 ft

LEGENDS

- PROPERTY LINE
- ROW LINE
- EASTMENT LINE
- BUILDING SET BACK
- STANDARD DUTY ASPHALT
- CONCRETE SIDE WALK
- TURF GRASS

PLANT LIST

SYMBOL	CODE	COMMON NAME/BOTANICAL NAME	SIZE	QUANTITY	SPACING	LOCATION / NOTES
PRESERVED TREES (EXISTING SIGNIFICANT SPECIMENS)						
	NRO	NORTHERN RED OAK / QUERCUS RUBRA	EXISTING	45		MATURE SPECIMENS THROUGHOUT SITE
	SMA	SUGAR MAPLE / ACER SACCHARUM	EXISTING	45		MATURE SPECIMENS THROUGHOUT SITE
	TUL	TULIP TREE / LIRIODENDRON TULIPIFERA	EXISTING	45		MATURE SPECIMENS THROUGHOUT SITE
COMMON AREA - STREET TREES						
	ALI	AMERICAN LINDEN / TILA AMERICANA	2.5-3" CAL	30	AS PER PLAN	MAIN ENTRANCE STREET, 35-50' OC
	BUR	BUR OAK / QUERCUS MACROCARPA	2.5-3" CAL	29	AS PER PLAN	INTERNAL STREETS, PARKS
	SWO	SWAMP WHITE OAK / QUERCUS BICOLOR	2.5-3" CAL	37	AS PER PLAN	INTERNAL STREETS (10 AT PONDS)
	BGM	BLACK GUM / NYSSA SYLVATICA WILDFIRE	2-2.5" CAL	43	AS PER PLAN	PARKS, GATHERING SPACES
	RMA	RED MAPLE / ACER RUBRUM	2.5-3" CAL	15	AS PER PLAN	INTERNAL STREETS
	SMA	SUGAR MAPLE / ACER SACCHARUM	2.5-3" CAL	23	AS PER PLAN	STREETS, COMPLEMENTS PRESERVED
	LPT	LONDON PLANETREE / PLAFANUS X ACENITOLIA	2.5-3" CAL	21	AS PER PLAN	
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	GGA	GREEN GIANT ARBORVITAE / THUJA GREEN GIANT	6-8' HT	63	10' O.C	PERIMETER SCREENING
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	DOG	FLOWERING DOGWOOD / COMUS FLORIDA	1.5-2" CAL	49	AS PER PLAN	FRONT YARDS, SPRING FLOWERING
HOME SITE - REAR YARDS (100 LOTS x 2 TREES) - 200 TREES						
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	ABE	AMERICAN BEECH / FAGUS GRANDIFOLIA	5-6' HT.	40	AS PER PLAN	REAR YARDS, SHADE TREE
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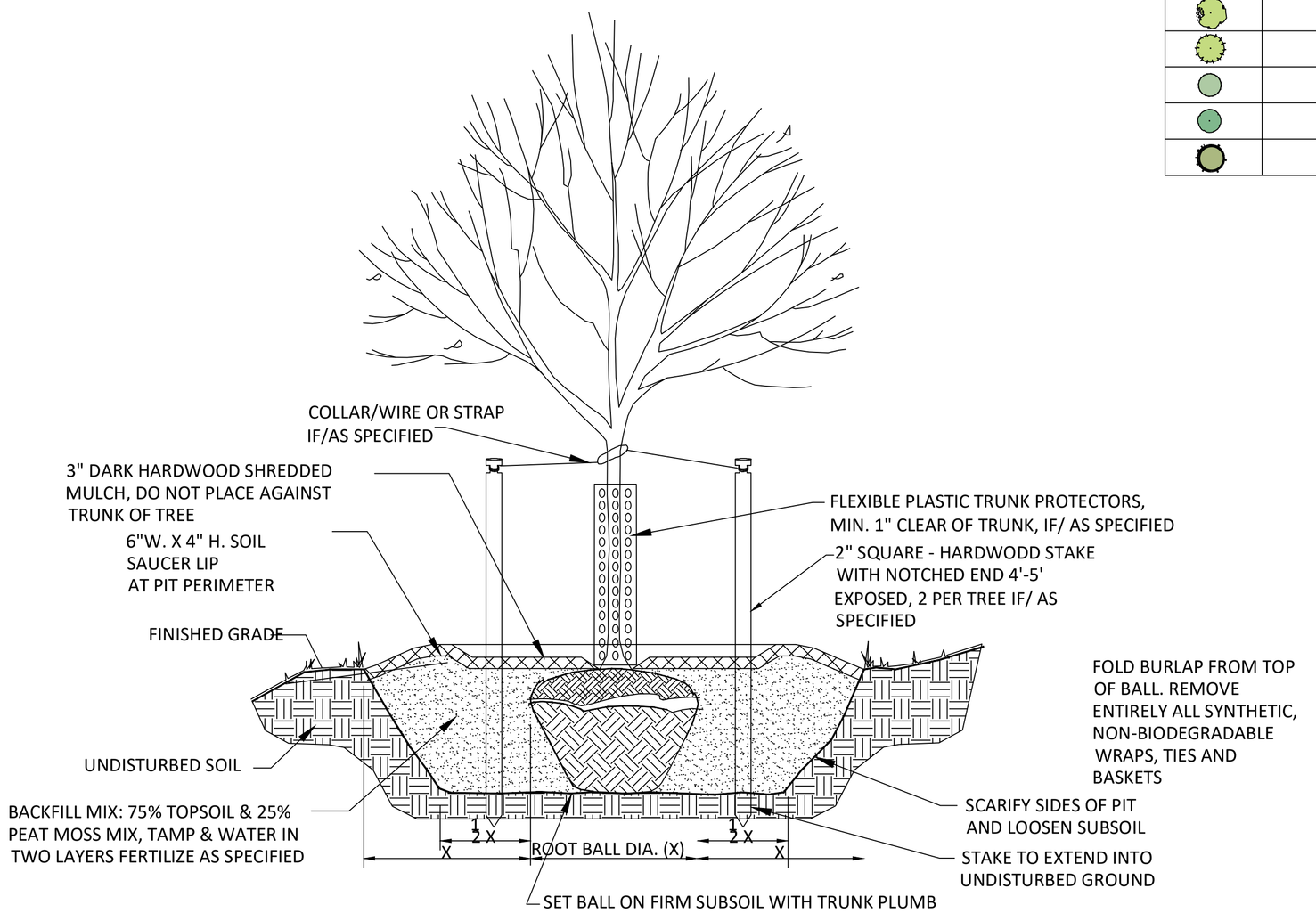

TYPICAL TREE PLANTING DETAIL

NOT TO SCALE

LANDSCAPING NOTES

1. ALL LANDSCAPE WORK SHALL CONFORM TO THE CITY OF MOUNT VERNON ZONING ORDINANCE, CHAPTER 1175 (LANDSCAPING AND SCREENING STANDARDS) AND ALL OTHER APPLICABLE MUNICIPAL CODES.
2. ALL MATERIALS AND WORKMANSHIP SHALL MEET OR EXCEED THE CURRENT STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) AND THE OHIO NURSERY AND LANDSCAPE ASSOCIATION (ONLA).
3. SUBSTITUTIONS, ADDITIONS, AND DELETIONS ARE PERMISSIBLE UPON APPROVAL FROM OWNER/ENGINEER/ LANDSCAPE ARCHITECT AND/OR MUNICIPALITY (WHERE REQUIRED).
4. ALL PLANTING PITS SHALL BE EXCAVATED TO PROPER DEPTH AND WIDTH, ENSURING ADEQUATE DRAINAGE AND LOOSE BACKFILL SOIL.
5. NEWLY INSTALLED TURF MUST BE MAINTAINED (WATERED, MOWED, FERTILIZED) UNTIL A UNIFORM STAND IS ACHIEVED.
6. TURF AREAS SHALL NOT EXCEED SLOPES GREATER THAN 3:1 UNLESS SPECIFIED FOR EROSION CONTROL.
7. ALL LANDSCAPE PLANTING SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH ACCEPTED AS RECOGNIZED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANTING AND MAINTENANCE OF VEGETATION SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, PROVISIONS FOR SURFACE MULCH, GUY WIRES AND STAKES, IRRIGATION, FERTILIZATION, INSECT AND DISEASE CONTROL, PRUNING, MULCHING, WEEDING, AND WATERING.
8. VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.
9. ALL PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION.
10. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCKS".

ATTACHMENT "D"

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DRAWING SCALE

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER PREPARING THESE PLANS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

SIGNATURE DATE SIGNED

PROFESSIONAL
STATE LIC. No.

REVISIONS

Date	Description	No.

CLIENT

ARISTA VILLAS
MOUNT VERNON, LLC

PROJECT

ARISTA VILLAS

VERNONVIEW DRIVE
MOUNT VERNON OHIO

SHEET TITLE

LANDSCAPE PLAN

PROJECT NO.

DATE
2025-07-24

Drawn By

Checked By

SHEET NO.

CP09-1

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PLANT LIST

SYMBOL	CODE	COMMON NAME/BOTANICAL NAME	SIZE	QUANTITY	SPACING	LOCATION / NOTES
PRESERVED TREES (EXISTING SIGNIFICANT SPECIMENS)						
	NRO	NORTHERN RED OAK / QUERCUS RUBRA	EXISTING	45		MATURE SPECIMENS THROUGHOUT SITE
	SMA	SUGAR MAPLE / ACER SACCHARUM	EXISTING	45		MATURE SPECIMENS THROUGHOUT SITE
	TUL	TULIP TREE / LIRIODENDRON TULIPIFERA	EXISTING	45		MATURE SPECIMENS THROUGHOUT SITE
COMMON AREA - STREET TREES						
	ALI	AMERICAN LINDEN / TILA AMERICANA	2.5-3" CAL	30	AS PER PLAN	MAIN ENTRANCE STREET, 35-50' OC
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LEGENDS

- PROPERTY LINE
- ROW LINE
- EASTMENT LINE
- BUILDING SET BACK
- STANDARD DUTY ASPHALT
- CONCRETE SIDE WALK
- TURF GRASS
- WATER LINE
- FIRE HYDRANT
- WATER METER
- SANITARY SEWER LINE
- SANITARY MANHOLE
- STORM PIPE
- CURB INLET

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REVISIONS

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MOUNT VERNON, LLC

PROJECT

ARISTA VILLAS

VERNONVIEW DRIVE
MOUNT VERNON OHIO

SHEET TITLE

LANDSCAPE PLAN

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CP09-2

4.A.1

PHASE LINE

5 AHB

5 BAL

S86°47'13.64"E

2 BAL

2 BGM

2 SWO

NE COR. NE 1/4, SEC. 25

POND C

3 WWI

WOODSIDE DRIVE

LOT 45 LOT 44 LOT 43 LOT 85 LOT 86 LOT 87 LOT 88 LOT 89 LOT 90 LOT 91 LOT 92 LOT 93 LOT 94 LOT 95 LOT 96 LOT 97

16 BGM

16 SWO

LOT 56 LOT 42 LOT 84 LOT 83 LOT 82 LOT 81 LOT 80 LOT 79 LOT 78 LOT 77 LOT 76 LOT 75 LOT 98

4 BGM

BELLAVITA LANE

WOODSIDE DRIVE

LOT 57 LOT 41 LOT 74 LOT 99

5 SWO

LOT 58 LOT 40 LOT 39 LOT 38 LOT 37 LOT 36 LOT 35 LOT 34 LOT 33 LOT 32 LOT 31 LOT 73 LOT 100

12 BUR

S03°25'42.14"W

PHASE LINE

EAST LINE, NE 1/4, SEC. 25

23 SMA

ARISTA WAY

21 LPT

LOT 16 LOT 17 LOT 18 LOT 19 LOT 20 LOT 21 LOT 22 LOT 23 LOT 24 LOT 25 LOT 26 LOT 27 LOT 28 LOT 29 LOT 30

2 WWI

POND B

WOODEN AREA TO BE DEMOLISH

4 GGA

CONC.

11 ALI

12 BUR

12 BUR

6 BAL

6 AHB

S87°06'56.63"E

5 ALI

6 KCT

4 BUR

2 AHB

3 SWO

5 BGM

3 BAL

3 BAL

TERLINE EASEMENT

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