

Ben Rickenbacker

7835 S Logan St
Littleton, CO 80122
rickebb2000@yahoo.com
(502) 741-4323



December 6, 2023

Ms. Karen Henry, The Henry Design Group
1501 Wazee Street, Suite 1C
Denver, CO 80202

Re: 1180 South Kingston Street, Aurora, CO

Dear Ms. Henry,

Per your request I have completed the inspection and assessment of the site referenced above. I have taken measurements and performed a field inspection to support the attached report.

The trees are numbered 1-70. I have found seventy (70) trees that fall under the City of Aurora tree preservation requirements.

All trees listed in this report were tagged with aluminum nursery tags with corresponding numbers on the north side of the tree, unless otherwise noted, at approximately four and one half (4.5) feet above grade. The trees are numbered one (1) to seventy (70). The inventory was conducted working west to east in a general counterclockwise manner on the property. There were several stumps that were not included in this report as they did not seem significant to document. There were also several other smaller volunteer trees under 4" in diameter and several shrubs that were not included as part of this inventory.

My opinions are based on current health rating systems, included in the 9th edition of the "Guide for Plant Appraisal" authored by the Counsel of Tree and Landscape Appraisers, and "Plant Health Care for Woody Ornamentals", authored by John Lloyd, published by the International Society of Arboriculture.

If you have any questions concerning this report please feel free to contact me at 502-741-4323 or rickebb2000@yahoo.com.

Regards,

Ben Rickenbacker

This Landscape Inspection
and Inventory

is for the landscape and materials
located on the property:

1180 South Kingston Street
Aurora, CO

and cannot be used for any other
purpose, or any other landscape plant
material without further inspection by
Ben Rickenbacker

Certificate of Tree Inspection

Premises: 1180 S Kingston Street, Aurora, CO

I, Ben Rickenbacker certify, to the best of my knowledge and belief,

- 1) That the statements of fact contained in this Tree Inspection Report are true and correct
- 2) That the appraisal analysis, opinions and conclusions are limited only by the reported assumptions and limiting conditions, and that they are my personal, unbiased professional analysis, opinions and conclusions
- 3) That I have no present or prospective interest in the plant(s) or property that is the subject of this Tree Inspection Report, and that I have no personal interest or bias with respect to the parties involved
- 4) That my analysis, opinions, and conclusions were developed, in this plant condition report has been prepared in conformity with the 9th edition of "Guide for Plant Appraisal" authored by the Council of Tree and Landscaped Appraisers, and "Plant Healthcare for Woody Ornamentals", authored by John Lloyd.
- 5) That my tree inspection report is based on the information known to me at the time and date of inspection. If more information is disclosed, I may have further opinions. This survey is by no means a tree risk assessment which requires more thorough inspection and may warrant a root collar excavation and/ or aerial inspection of the tree.
- 6) That, as a result of my examinations, investigations, and analyses of the plant(s) and all of the data pertinent thereto, and in light of my experience, the current conditions of the inspected plant(s), as of December 5th, 2023 true and accurate.



Ben Rickenbacker

Ms. Karen Henry
The Henry Design Group
1501 Wazee Street, Suite 1C
Denver, CO 80202

Tree Inspection and Inventory
1180 South Kingston Street
Aurora, CO

Assignment: To investigate, inspect, assess the condition of, and inventory the trees located on the above-named property for the purpose of complying with the requirements of the City of Aurora Tree Preservation Code.

Observation of General Conditions: The trees on the above-named property or located throughout the property, including planted landscapes and natural areas.

Tree species are both deciduous and coniferous. It includes planted and seeded plants. Species include: Silver Poplar (*Populus alba*), Siberian Elm (*Ulmus pumila*), Colorado Blue Spruce (*Picea pungens* var. *glauca*), Thornless Honeylocust (*Gleditsia triacanthos* var. *inermis*), and Plains Cottonwood (*Populus deltoides*).

There were several stumps that were not included in this report as they did not seem significant to document. There were also several other smaller volunteer trees under 4" in diameter and several shrubs that were not included as part of this inventory.

Method: I performed the inventory on December 5th, 2023. The tree locations were estimated from the Google Maps aerial photo where the area to be surveyed was called out. All trees were measured with a diameter tape or tree caliper at four- and one-half feet (4.5) above grade except those smaller than eight (8) inch caliper were measured one (1) foot above grade unless noted otherwise in the report.

All trees were tagged with an aluminum nursery tag with the identifying number. The site was inventoried in a general west to east direction in a counterclockwise manner throughout the property. All tags were attached to the trees on the north side of the trees at approximately four- and one-half feet (4.5) above grade unless noted otherwise in the report.

Analysis: All trees recorded in this report were measured in accordance with nationally accepted standards. The condition rating of each tree is based on current health structure and growing conditions at time of inspection. This report also identifies trees that are either dead, or in such a state of decline that they have no chance of survival. This survey is by no means a tree risk assessment which requires more thorough inspection and may warrant a root collar excavation and/ or aerial inspection of the trees. The following five (5) pages in the report contain a breakdown of each tree, identification number, size, and condition factor.

1180 S Kingston Street
Aurora, CO

Ms. Karen Henry
The Henry Design Group
1501 Wazee Street. Suite 1 C
Denver, CO 80202

The following 13 trees are located outside the barbed wire fence along Kingston Street along the west side of the property. Working from south to north

#1 Silver Poplar (*Populus alba*), 11" diameter, 50% condition factor, tree has a dead top and should not be retained.

#2 Silver Poplar (*Populus alba*), 10" diameter, 59% condition factor, tree has a trunk wound on the southwest side. If tree is retained, it would require a 10-foot radius protected root zone.

#3 Silver Poplar (*Populus alba*), 6" diameter, 91% condition factor. If tree is retained, it would require a 6-foot radius protected root zone.

#4 Silver Poplar (*Populus alba*), 7" diameter, 88% condition factor. Tree is leaning to the west with a corrected lean. If tree is retained, it would require a 7-foot radius protected root zone.

#5 Silver Poplar (*Populus alba*), 6" diameter, 53% condition factor, tree has a trunk wound on the south side, a dead top, and should not be retained.

#6 Silver Poplar (*Populus alba*), 7" diameter, 56% condition factor, tree has a trunk wound on the east side, a dead top, and should not be retained.

#7 Siberian Elm (*Ulmus pumila*), 17" diameter, 0% condition factor. Tree is a dead stump and should not be retained.

#8 Siberian Elm (*Ulmus pumila*), 6" diameter, 75% condition factor, tree has codominant stems @ 18" above grade. If tree is retained, it would require a 6-foot radius protected root zone.

#9 Siberian Elm (*Ulmus pumila*), 21" diameter measured @ 24" above grade due to branching, 75% condition factor, tree has codominant stems @ 30" above grade. If tree is retained, it would require a 21-foot radius protected root zone.

#10 Siberian Elm (*Ulmus pumila*), 8" diameter, 75% condition factor, tree is located just south of the driveway. If tree is retained, it would require an 8-foot radius protected root zone.

#11 Siberian Elm (*Ulmus pumila*), 13" diameter, 69% condition factor, tree is located just north of the driveway. If tree is retained, it would require a 13-foot radius protected root zone.

#12 Siberian Elm (*Ulmus pumila*), 8" diameter, 0% condition factor. Tree is a dead stump and should not be retained.

#13 Siberian Elm (*Ulmus pumila*), 20" diameter, 38% condition factor. Tree has had top removed with just sucker growth and should not be retained.

The following 57 trees are located inside the fence in the property. Working in a general counterclockwise manner.

#14 Siberian Elm (*Ulmus pumila*), 8" diameter, 38% condition factor. Tree is in decline with a dead top and should not be retained.

#15 Colorado Blue Spruce (*Picea pungens* var. *glauca*), 9" diameter, 81% condition factor, tree has grass clippings piled around the base which should be removed to preserve tree health. If tree is retained, it would require a 9-foot radius protected root zone.

#16 Thornless Honeylocust (*Gleditsia triacanthos* var. *inermis*), 10" diameter, 72% condition factor, tree has some gummosis on the south side of the trunk. If tree is retained, it would require a 10-foot radius protected root zone.

#17 Silver Poplar (*Populus alba*), 18" + 12" diameter multistem, 38% condition factor, tree has top removed and should not be retained.

#18 Silver Poplar (*Populus alba*), 7" diameter, 53% condition factor, tree has a trunk wound on the south side, is in decline, and should not be retained.

#19 Silver Poplar (*Populus alba*), 4" diameter, 78% condition factor. If tree is retained, it would require a 4-foot radius protected root zone.

#20 Siberian Elm (*Ulmus pumila*), 6" diameter, 75% condition factor, If tree is retained it would require a 6-foot radius protected root zone.

#21 Siberian Elm (*Ulmus pumila*), 12" + 9" + 13" + 10" + 5" + 6" diameter multistem, 54% condition factor, tree has codominant stems and trunk wounds. Tree should not be retained.

#22 Siberian Elm (*Ulmus pumila*), 5" diameter, 78% condition factor. If tree is retained, it would require a 5-foot radius protected root zone.

#23 Siberian Elm (*Ulmus pumila*), 15" + 4" diameter multistem, 59% condition factor, tree has a trunk wound on south side. If tree is retained, it would require a 19-foot radius protected root zone.

#24 Siberian Elm (*Ulmus pumila*), 15" diameter measured @ 12" above grade due to branching, 56% condition factor, tree has codominant stems @ 18" above grade. If tree is retained, it would require a 15-foot radius protected root zone.

#25 Siberian Elm (*Ulmus pumila*), 24" diameter, 41% condition factor. Tree is in decline with codominant stems and a 5" hanger on the north side and should not be retained.

#26 Siberian Elm (*Ulmus pumila*), 10" diameter, 31% condition factor. Tree is in decline and should not be retained.

#27 Siberian Elm (*Ulmus pumila*), 23" diameter measured @ 24" above grade due to branching, 47% condition factor. Tree has codominant stems @ 30" above grade and decay in main stem and should not be retained.

#28 Siberian Elm (*Ulmus pumila*), 10" diameter, 0% condition factor. Tree is a dead with just suckers and should not be retained.

#29 Siberian Elm (*Ulmus pumila*), 26" diameter measured @ 24" above grade due to branching, 47% condition factor. Tree has several trunk wounds and should not be retained.

#30 Siberian Elm (*Ulmus pumila*), 15" diameter, 0% condition factor. Tree is a dead stump with just suckers and should not be retained.

#31 Plains Cottonwood (*Populus deltoides*), 13" diameter, 81% condition factor, tree is located in the southeast corner of the property in a grove of 3 trees. If tree is retained, it would require a 13-foot radius protected root zone.

#32 Plains Cottonwood (*Populus deltoides*), 12" diameter, 88% condition factor, tree is located in the southeast corner of the property in a grove of 3 trees. If tree is retained, it would require a 12-foot radius protected root zone.

#33 Plains Cottonwood (*Populus deltoides*), 11" diameter, 88% condition factor, tree is located in the southeast corner of the property in a grove of 3 trees. If tree is retained, it would require an 11-foot radius protected root zone.

#34 Plains Cottonwood (*Populus deltoides*), 11" + 6" diameter multistem, 84% condition factor. If tree is retained, it would require a 17-foot radius protected root zone

#35 Plains Cottonwood (*Populus deltoides*), 9" diameter, 75% condition factor. Tree is leaning to the south. If tree is retained, it would require a 9 foot radius protected root zone

#36 Plains Cottonwood (*Populus deltoides*), 17" diameter, 81% condition factor. If tree is retained, it would require a 17 foot radius protected root zone

#37 Siberian Elm (*Ulmus pumila*), 11" diameter measured @ 18" above grade due to branching, 59% condition factor, tree has a codominant stems @ 24" above grade. If tree is retained, it would require an 11-foot radius protected root zone.

#38 Siberian Elm (*Ulmus pumila*), 38" diameter measured @ 24" above grade due to branching, 69% condition factor. If tree is retained, it would require a 38-foot radius protected root zone.

#39 Siberian Elm (*Ulmus pumila*), 5" diameter, 0% condition factor. Tree is a dead and should not be retained.

#40 Siberian Elm (*Ulmus pumila*), 18" + 6" diameter multistem, 63% condition factor, tree has a dead top. If tree is retained, it would require a 24-foot radius protected root zone.

#41 Siberian Elm (*Ulmus pumila*), 5" diameter, 72% condition factor, If tree is retained it would require a 5-foot radius protected root zone.

#42 Siberian Elm (*Ulmus pumila*), 7" diameter, 0% condition factor. Tree is a dead with just suckers and should not be retained.

#43 Siberian Elm (*Ulmus pumila*), 10" diameter, 0% condition factor. Tree is a dead and should not be retained.

#44 Siberian Elm (*Ulmus pumila*), 9" diameter, 0% condition factor. Tree is a dead and should not be retained.

#45 Siberian Elm (*Ulmus pumila*), 18" diameter, 34% condition factor. Tree is in decline and should not be retained.

#46 Siberian Elm (*Ulmus pumila*), 20" diameter measured @ 18" above grade due to branching, 56% condition factor, tree has codominant stems @ 24" above grade. If tree is retained, it would require a 20-foot radius protected root zone.

#47 Siberian Elm (*Ulmus pumila*), 6" diameter, 0% condition factor. Tree is a dead and should not be retained.

#48 Siberian Elm (*Ulmus pumila*), 5" diameter, 0% condition factor. Tree is a dead and should not be retained.

#49 Siberian Elm (*Ulmus pumila*), 6" diameter, 0% condition factor. Tree is a dead and should not be retained.

#50 Siberian Elm (*Ulmus pumila*), 26" diameter, 69% condition factor. If tree is retained it would require a 26-foot radius protected root zone.

#51 Siberian Elm (*Ulmus pumila*), 25" diameter, 41% condition factor. Tree is in decline with trunk wounds on south side and should not be retained.

#52 Siberian Elm (*Ulmus pumila*), 6" diameter, 0% condition factor. Tree is a dead and should not be retained.

#53 Siberian Elm (*Ulmus pumila*), 6" diameter measured @ 18" above grade due to branching, 0% condition factor. Tree is a dead and should not be retained.

#54 Siberian Elm (*Ulmus pumila*), 6" diameter, 0% condition factor. Tree is a dead and should not be retained.

#55 Siberian Elm (*Ulmus pumila*), 22" diameter, 63% condition factor. If tree is retained, it would require a 22-foot radius protected root zone.

#56 Siberian Elm (*Ulmus pumila*), 7" diameter, 38% condition factor. Tree has had top removed and should not be retained.

#57 Siberian Elm (*Ulmus pumila*), 13" diameter, 0% condition factor. Tree is a dead and should not be retained.

#58 Siberian Elm (*Ulmus pumila*), 15" diameter, 59% condition factor. If tree is retained, it would require a 15-foot radius protected root zone.

#59 Siberian Elm (*Ulmus pumila*), 5" + 5" + 2" diameter multistem, 56% condition factor. If tree is retained, it would require a 12-foot radius protected root zone.

#60 Siberian Elm (*Ulmus pumila*), 7" + 11" + 12" diameter multistem, 50% condition factor. Tree is in poor condition and should not be retained.

#61 Siberian Elm (*Ulmus pumila*), 15" diameter, 63% condition factor. If tree is retained, it would require a 15-foot radius protected root zone.

#62 Siberian Elm (*Ulmus pumila*), 10" diameter, 0% condition factor. Tree is a dead and should not be retained.

#63 Siberian Elm (*Ulmus pumila*), 25" diameter, 63% condition factor. If tree is retained, it would require a 25-foot radius protected root zone.

#64 Siberian Elm (*Ulmus pumila*), 13" diameter, 44% condition factor. Tree is in decline and should not be retained.

#65 Siberian Elm (*Ulmus pumila*), 8" + 5" diameter multistem, 66% condition factor. If tree is retained, it would require a 13-foot radius protected root zone.

#66 Siberian Elm (*Ulmus pumila*), 16" + 5" diameter multistem, 69% condition factor. Tree has a trunk wound on the south side. If tree is retained, it would require a 21-foot radius protected root zone.

#67 Siberian Elm (*Ulmus pumila*), 7" diameter, 75% condition factor. If tree is retained, it would require a 7-foot radius protected root zone.

#68 Siberian Elm (*Ulmus pumila*), 18" + 20" diameter multistem, 72% condition factor. Tree has some hangers in canopy. If tree is retained, it would require a 38-foot radius protected root zone.

#69 Siberian Elm (*Ulmus pumila*), 31" diameter, 0% condition factor. Tree is a dead stump and should not be retained.

#70 Siberian Elm (*Ulmus pumila*), 22" diameter, 0% condition factor. Tree is a dead stump and should not be retained.



Ben B. Rickenbacker
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Littleton, CO 80122

Cell: (502) 741-4323
rickebb2000@yahoo.com

AREAS OF EXPERTISE: Horticulture and Arboriculture Practices, Urban Forestry Team Management, Landscape Management, Consulting, Municipal Arboriculture, Tree Appraisals, Tree Inventory and Analysis, Tree Preservation Management, Insect and Disease Analysis, Plant Health Care

EXPERIENCE

City and County of Denver, *Forestry Operations Manager*
Denver, CO

March 2015-Present

- Manage and Train Forestry Crews
- Tree Risk Assessments and Tree Appraisals
- Tree Preservation
- Landscape Plan Review
- Capital Improvement Project Management
- Conduct City Wide Street Tree Inventory
- Coordinate Tree Plantings and Volunteer Projects
- Teach Community Forester Classes
- Public Relations
- Forestry Budget Management

Rickenbacker Arboriculture Consulting, *Consulting Arborist*
Littleton, CO

April 2010-Present

- Tree and Landscape Inventory and Analysis
- Tree Appraisals
- Tree Preservation Management
- Plant Health Care Recommendations

South Suburban Parks & Recreation District, *Forestry Supervisor*
Centennial, CO

September 2007-March 2015

- Managed and Trained Forestry Crews
- Maintained and Managed Tree Nursery
- Irrigation Installation and Maintenance
- Managed Snow Removal Operations
- Managed Grounds Maintenance for Trail Corridors
- Coordinated Tree Replacements and Volunteer Projects
- Public Relations
- GIS Tree Inventory Management
- Forestry Budget Management

Beaver Tree and Lawn Care, Crew Foreman

Richmond, VA

July 2005-April 2006

- Operated and conducted tree removal and pruning
- Advised sales division on price estimates
- Evaluated and diagnosed hazardous trees

Beechwood Trees and Gardens, Crew Foreman

Louisville, KY

Aug 2004-July 2005

- Designed and sold landscape projects
- Managed landscape installation and maintenance crews
- Tree removal and pruning using bucket truck and climbing techniques

Carl Ray Landscape Nursery, Crew Foreman

Louisville, KY

June 2003- May 2004

- Operated and conducted landscape installation and maintenance
- Landscape design for residential and commercial properties
- Operated tree spade trucks and other heavy equipment
- Pesticide and fertilizer management and application
- Maintained care for an 80-acre tree farm

Smithsonian Institution, Plant Healthcare (PHC) Intern

Washington, DC

May 2001- August 2001

- Daily scouting for landscape pests on Smithsonian grounds
- Recommended treatment methods and controls for various plant pests
- Pesticide and fertilizer management
- Practiced Integrated Pest Management (IPM)

Western Kentucky University, Greenhouse/ Landscape Manager

Bowling Green, KY

August 1999- December 2002

- Daily care of greenhouse and landscape plants
- Operated and conducted landscape installation and maintenance
- Operated skid loaders, tractors, and other heavy equipment
- Pesticide and fertilizer management and application

Overbrook Farm, Horticulturalist/Tree Planter

Lexington, KY

May 1998- August 1998, May 1999- August 1999

- Performed landscape installation and maintenance
- Operated tree spade trucks and other heavy equipment
- Pesticide and fertilizer management and application
- Tree and shrub installation and maintenance

EDUCATION

- Western Kentucky University, Bowling Green, KY, BS in Horticulture 2002
- ProGreen Expo 2007-2023
- ISA Annual Conference 2007-2023
- Partners in Community Forestry Conference 2015
- ArborMaster: Precision Tree Felling, Chainsaw, and Tree Climbing Methods

PRESENTATIONS AND PUBLICATIONS

- Taught ISA Certified Arborist preparation course: ProGreen Expo 2017-2023
- ProGreen AI Rollinger Presentation 2020
- Presenter at Tree Diversity Conference 2017
- Presenter at Colorado Master Gardeners Quarterly Conference 2017
- Author in Arborist News Publication 2010

PROFESSIONAL ORGANIZATIONS

- International Society of Arboriculture (ISA) -Rocky Mountain Chapter Member
- International Society of Arboriculture (ISA)- TREE Fund Liaison
- Colorado Tree Coalition (CTC) Member- Champion Tree Committee Member

CERTIFICATIONS AND ACHIEVEMENTS

- ISA Certified Arborist/ Municipal Specialist
- ISA Tree Risk Assessment Qualified (TRAQ)
- ASCA Tree and Plant Appraisal Qualified (TPAQ)
- Colorado Department of Agriculture Qualified Supervisor License- Categories: 206, 207, 110
- 2010 ISA Gold Leaf Award for Outstanding Arbor Day Activities
- 2011 Mile High Million Grant Recipient
- Kentucky Certified Nurseryman
- Appalachian Trail Thru-hike 2006
- Tour des Trees Participant 2019, 2020, 2021, 2022,2023