# APPENDIX E: ARBORIST REPORT



Consulting Arborists and Urban Forest Management

971.409.9354 3 Monroe Parkway, Suite P 220 Lake Oswego, Oregon 97035 morgan@mholen.com

## Frog Pond East and South Master Plan – Wilsonville, Oregon Tree Reconnaissance February 6, 2022

MHA21056

#### **Purpose and Scope of Work**

Morgan Holen & Associates was contracted by Angelo Planning Group to conduct a reconnaissance level tree assessment to inform the Frog Pond East and South Master Plan for the City of Wilsonville. This report provides an update to the March 19, 2014 reconnaissance report that I prepared for the Frog Pond Area Plan and Frog Pond West Master Plan.

The Frog Pond East and South Master Plan includes properties within the Urban Growth Boundary located east of Stafford Road and South of Advance Road. I visited the site on January 26, 2022 in order to identify high-quality trees and groves that could be incorporated into future site development. I generally assessed existing trees from public rights-of-way and parcels where property owners permitted access. Site access was a limiting factor in conducting the reconnaissance. Trees were evaluated up-close as feasible, but most observations were made at a distance, from the roadway or from nearby parcels that were accessible. Trees located within Sensitive Resource Overlay Zones or Habitat Conservation Areas were not included in my evaluation. The best tree features were identified and are described herein.

A site map is enclosed depicting the trees identified by map identification number, which correspond to the enclosed tabular tree data and photographs. Generally speaking, other trees observed on site would not be recommended for retention based on poor structure or condition, or would otherwise not be sustainable long-term amenities. However, additional trees may be identified for preservation given further evaluation. A complete inventory of all trees on site will provide individual tree data and definitive recommendations for tree retention and removal, and is recommended when development applications are submitted. The reconnaissance data should inform the Master Plan to help determine how the best existing trees may be preserved with future street crossings, parks, and the overall site layout based on conditions existing at the time of this assessment.

#### **Observations**

A summary of observations is provided for each parcel located within the Master Plan area:

• **31E07 00700 (Map ID No. 1; Photo 1):** One 45" diameter ponderosa pine (*Pinus ponderosa*) located in the Stafford Road right-of-way adjacent to this parcel is in generally good condition, but with moderate structure including codominant stems and western gall rust infection caused by the fungus *Endocronartium harknessii*. This infection was not noted in the 2014 assessment and may have progressed substantially since that time. Infected branches are more susceptible to failure at the gall and the tree could become increasingly hazardous adjacent to the road. Overall, this tree may be challenging to retain with future street improvements and its long-term viability may be jeopardized by the infection.

- **31E07 00800 (Map ID No. 2 and No. 3; Photos 2 and 3):** One 40" diameter catalpa (*Catalpa* spp.) and one 74" diameter Atlas cedar (*Cedrus atlantica*) are located on the site of the Frog Pond Grange. Both trees are open grown and in good condition and continue to be classified as high priorities for preservation, as they were in the 2014 assessment.
- 31E07 00601 (Map ID No. 4; Photo 4): The 2014 assessment noted mixed species in variable condition on this parcel with some storm damaged trees and a few large trees in good condition. Many of these trees suffered significant damage during the February 2021 ice storm. Also, closer inspection of a 52" diameter ponderosa pine near the existing house revealed hazardous top structure. Still, there are numerous trees on this parcel, scattered around and near the existing house, that are suitable for long-term preservation, including: a 40" diameter open grown red oak (*Quercus* spp., exact variety unknown); one 33" diameter linden (*Tilia* spp.) with codominant stems, but generally good structure; one 41" diameter ponderosa pine in good condition; two Oregon white oaks measuring 14" and 16" diameter each (relatively small, but excellent condition and great long-term amenities); and, two 13" diameter grand firs (*Abies grandis*) that are also relatively small, but well-cared for. The variety of trees would make this parcel and ideal location for a park or open space area.
- **31E07 01200 (Map ID No. 5; Photo 5):** No site access was authorized and observations were limited by an existing fence. One open grown sycamore (*Platanus* spp.) near the existing house suffered minor storm damage, but still appears in good condition from a distance. An elm (*Ulmus* spp.) noted in the 2014 assessment suffered extensive storm damage and is no longer suitable for long-term preservation.
- **31E18 02100 (Map ID No. 6; Photo 6):** The southern boundary is lined with Douglas-firs (*Pseudotsuga menziesii*) in variable condition. The east-west row includes some dead and dying trees and the trees in the north-south row are in generally good condition. Select trees may be suitable for preservation as intact groups with removal of dead and dying trees. A row of relatively young conifers along the northern boundary identified as being in good condition in the 2014 assessment no longer exist.
- 31E18 02001 (Map ID No. 7 and No. 8; Photos 7 and 8): A 28" scots pine (*Pinus sylvestris*) with multiple upright leaders has been well-maintained as an ornamental landscape tree and is in generally good condition; this tree appears somewhat drought-stressed relative to the 2014 assessment. This parcel also includes a dense group of mostly Douglas-firs with two western redcedars (*Thuja plicata*), one spruce (*Picea* spp.), and a tuliptree (*Liriodendron tulipifera*) on the northern edge of the group. These trees are most suitable for preservation as an intact group.
- 31E18 02700 (Map ID No. 9; Photo 9): No site access was authorized and observations were limited to what could be seen from SW 60th Avenue. Trees identified in the 2014 assessment appear to remain standing. Notes from 2014 describe: 1) a pair of Douglas-firs in good condition, suitable for retention together as a small group; 2) one mature bigleaf maple with three codominant stems, some dead and broken branches and branches with decay; 3) one mature silver maple with multiple attachments; and, 4) one other mature bigleaf maple in moderate condition with codominant stems and some branch and stem decay. Closer examination is warranted to determine whether these trees continue to be suitable for long-term preservation.

- 31E18B 02000 (Map ID No. 10 and No. 11; Photos 10 and 11): One 40" diameter Douglas-fir in good condition located in the SW Kruse Road right-of-way adjacent to this parcel is in good condition; it may be challenging to preserve this tree with future street improvements, but alternative designs should be considered. No access was authorized to assess trees in the interior of this parcel, which appear to be mixed species in variable condition based on observations made from the street and closer examination of individual trees is warranted.
- **31E18B 01700 (Map ID No. 12; No Photos):** Site access was not authorized and I was unable to see the trees that appear to exist in aerial photos. The 2014 assessment describe mixed species, predominately Oregon ash (*Fraxinus latifolia*) and at least one Douglas-fir, in variable condition. Closer examination is warranted.
- **31E18B 01900 (Map ID No. 13; Photo 12):** One Douglas-fir in generally good condition observed from a distance along the edge of a mapped Habitat Conservation Area. The 2014 assessment noted a long-live crown and good branch distribution. The tree now has a few broken branches, but still has a long-live crown and good vigor.
- **31E18B 01800 (Map ID No. 14; Photo 13):** Site access was not authorized, but mixed conifers noted in the 2014 assessment remain standing, including open-grown deodar cedars (*Cedrus deodara*) and a group of pines (*Pinus* spp.) trees in good. Several birches (*Betula* spp.) scattered among the conifers are in poor condition and not long-term amenities.
- **31E18B 01500 (Map ID No. 15; Photo 14):** Planted rows of red oaks (*Quercus rubra*) along the east-west fence and a mix of oaks, maples and ponderosa pines along the north-south fence are in generally good condition as intact group. These trees are relatively young, but well-established. A single black cottonwood (*Populus trichocarpa*) mixed in with the north-south row is not recommended for long-term preservation due to inherent species limitations.
- 31E18B 01400 (Map ID. No. 16, No. 17 and No. 18; Photos 15, 16 and 17): Three trees identified during the 2014 assessment remain standing and suitable for preservation including: a 34" diameter ponderosa pine with minor crown asymmetry and some drought stress; an 18" diameter sweetgum (*Liquidambar styraciflua*) with a few small broken branches; and, an open grown semi-mature giant sequoia (*Sequoiadendron giganteum*) with a long-live crown. A group of small pine trees identified during the 2014 assessment suffered severe storm damage and are no longer identified as priorities for preservation due to diminished structure.
- **31E18B 00100 (Map ID No. 19; Photo 18):** Site access was not authorized, but one pin oak (*Quercus palustris*) in generally good condition was observed from the neighboring property.
- 31E18B 00300 (Map ID No. 20; Photo 19): Maples, deodar cedars and Port-Orford-cedars (Chamaecyparis lawsoniana) observed during the 2014 assessment have either been removed or suffered storm damage and are no longer priorities for preservation. In the front of this lot, I observed a small, but mature and well-maintained Japanese maple (Acer palmatum) in good condition with an 8' crown radius. Although this tree is relatively small, it is an attractive amenity and might be worthwhile to transplant or incorporate into site design. A row of red oaks identified in the 2014 assessment suffered severe ice storm damage and are no longer priorities for preservation.

- 31E18B 00500 (Map ID No. 21 and No. 22; Photos 20 and 21): Site access was not authorized, but from the neighboring property and right-of-way, I observed a row of mixed conifers in generally good condition; while several western hemlocks (*Tsuga heterophylla*) were dead or dying, three Atlas cedars and a Douglas-fir appeared suitable for preservation as an intact group. South of the existing home, a small group of deodar cedars including in the 2014 assessment remain standing and appear in generally good condition from a distance.
- 31E18B 00800 (Map ID No. 23; Photo 22): One open grown ponderosa pine with a 24' crown radius was noted as being in good condition during the 2014 assessment. Now, the tree is in fair condition with minor crown asymmetry, dead branches on the north side of the tree, and some western gall rust infection. This tree is still identified as suitable for preservation, but is no longer a high priority due to diminished condition and disease. A small but well-maintained magnolia identified in the 2014 assessment appears to have been removed.
- **31E18B 01100 (Map ID No. 24; Photo 23):** Site access was not authorized, but one redwood (*Sequoia sempervirens*) and one giant sequoia were visible in the skyline and appear in generally good condition.
- **31E18B 01200 (Map ID No. 25; Photo 24):** A small Oregon white oak identified in the 2014 assessment no longer exists, but two semi-mature giant sequoias and two oak species trees appear in generally good condition from a distance.
- 31E18B 01300 (Map ID No. 26 and No. 27; Photos 25 and 26): A dense row of semi-mature conifers along the northern boundary of this parcel are in fair to good condition and most suitable for preservation as an intact row. Closer to the existing house, a dense group of one mature Douglas-fir and two mature grand firs (Abies grandis) are in generally good condition and suitable for preservation as an intact group. Other mature conifers around the house and along the street are in fair to poor condition and with structural defects and sequoia pitch moth (Synanthedon sequoia) infestation.

No high-quality trees were observed on the following tax lots (not including Sensitive Resource Overlay Zones or Habitat Conservation Areas):

- 31E07 00600
- 31E07 00900
- 31E07 01000
- 31E07 01101 (ponderosa pine noted in 2014 no longer exists; no access to assess interior portions of this parcel, but appears to be predominately small black cottonwoods with no prominent high-quality trees visible in the skyline)
- 31E18 02600
- 31E18B 00200
- 31E18B 00400
- 31E18B 00700 (no access and unable to see a few trees that appear to exist in aerial photos; warrants further investigation)
- 31E18B 00900
- 31E18B 01000 (open grown spruce and redwood trees noted as being in good condition in the 2014 assessment no longer exist)
- 31E18B 01600

#### Summary

The Frog Pond East and South Master Plan area has a variety of tree species, sizes, and conditions. During site reconnaissance, 27 individual trees and groups of trees were identified as relatively high-quality, sustainable trees that may be suitable for long-term preservation. Of the 27 trees and groups of trees identified, the enclosed tree data classifies 10 as the highest priorities for preservation, 14 as secondary priorities for preservation, and three as lower priorities for preservation (the two diseased pines and small Japanese maple). Since site access was limited, a more thorough assessment is recommended for many of these trees and additional trees might also be identified. The information provided in this report can guide site design to include the best tree features during development based on current tree conditions and limited observations.

The client may choose to accept or disregard the recommendations contained herein, or seek additional advice. Neither this author nor Morgan Holen & Associates, LLC, have assumed any responsibility for liability associated with the trees on or adjacent to this site. Thank you for choosing Morgan Holen & Associates, LLC, to provide consulting arborist services for the Frog Pond East and South Master Plan. Please contact us if you have questions or need any additional information.

Thank you,

Morgan Holen & Associates, LLC

Morgan E. Holen, Member

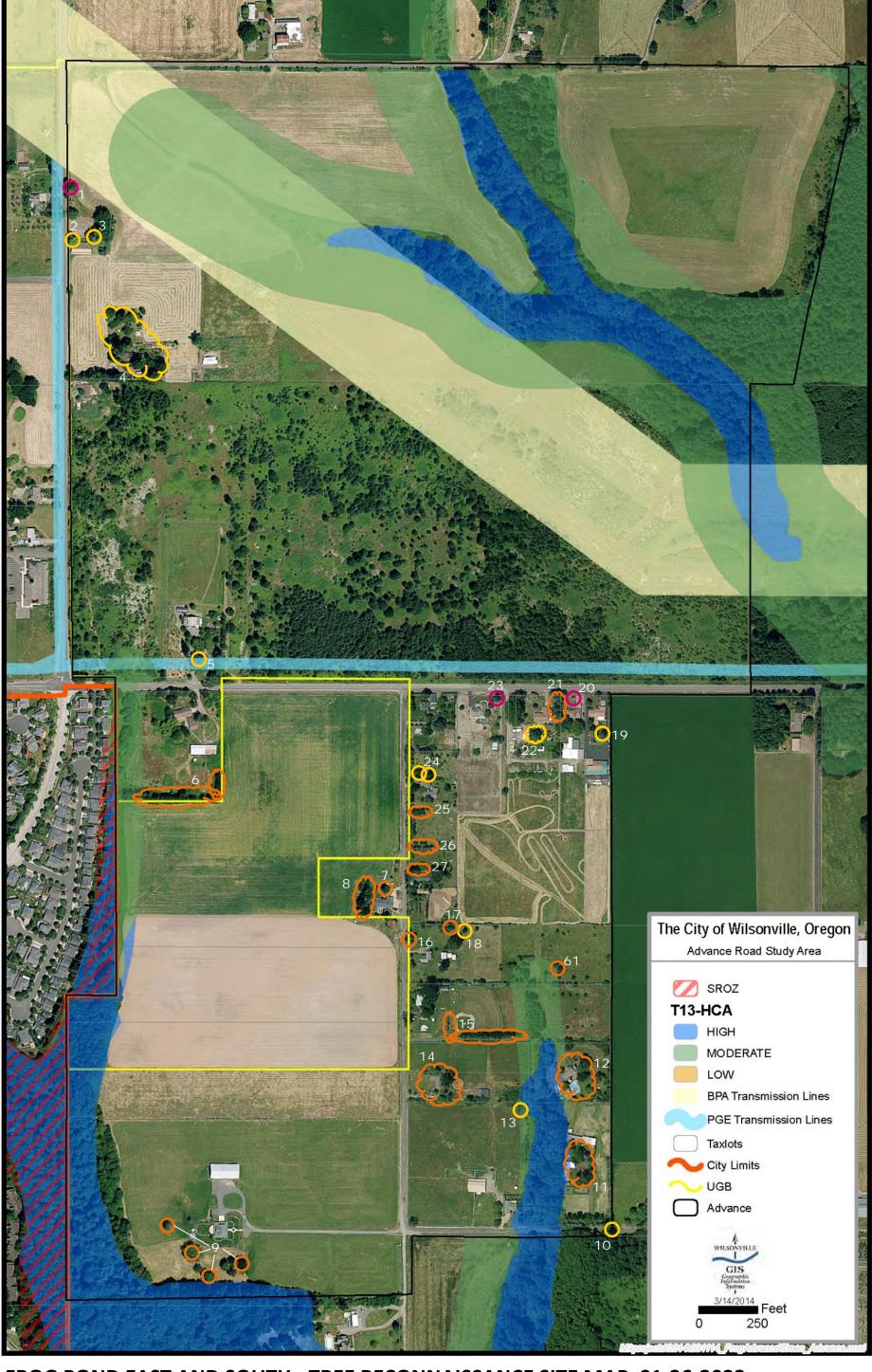
ISA Board Certified Master Arborist, PN-6145B

ISA Tree Risk Assessment Qualified

**Forest Biologist** 

Enclosures: Frog Pond East and South – Tree Reconnaissance Site Map 01-26-2022

Frog Pond East and South – Tree Data 01-26-2022 Frog Pond East and South – Tree Photos 01-26-2022



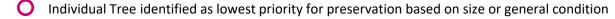
### FROG POND EAST AND SOUTH - TREE RECONNAISSANCE SITE MAP 01-26-2022



Individual Tree(s) or Groups identified as highest priorities for preservation based on species, size, and general condition; some require closer examination to verify



Individual Tree(s) or Groups identified as secondary priorities for preservation based on species, size, and general condition; some require closer examination to verify







Property Information						2022 Evaluation		
			Tax Lot	Мар	Photo			Recommendations Based on Preliminary
Access	Owner	Address	No.	ID No.	No.	Description	Priority*	Evaluation
						Located in Stafford Road right of way, ponderosa pine, 45"		May be challenging to retain with future
						DBH, 30' crown radius, generally good condition, moderate		street improvements; structural defect and
			31E07			structure with codominant stems and western gall rust		gall rust infection make it a lower priority for
Yes	Anderson	None	00700	1	1	infection	3	preservation
			31E07			catalpa, 40" DBH, 22' crown radius, open-grown, generally		Retain tree; will require protection if Grange
No	Grange	27350 SW Stafford Rd	00800	2	2	good condition, unique species	1	relocated and existing concrete path removed
						Atlas cedar, 74" DBH, 48' crown radius, open-grown, generally		Retain tree; will require protection if Grange
			31E07			good condition, large upright scaffold leaders and multiple		relocated, may require pruning to improve
No	Grange	27350 SW Stafford Rd	00800	3	3	attachments	1	structure if preserved long-term
						mixed species in variable condition, substantial storm damage		
						to several, one 52" DBH ponderosa pine closest to house has		
						very poor crown structure and is potentially hazardous; trees		
						most suitable for preservation include:		
						40" DBH red oak species with 20' crown radius		
						16" DBH Oregon white oak with 16' crown radius		
						33" DBH linden with 24' crown radius, codominant stems		
						41" DBH ponderosa pine with 30' crown radius		
			31E07			Two 13" DBH grand firs with 12' crown radius each		
Yes	Anderson	27480 SW Stafford Rd	00601	4	4	14" DBH Oregon white oak with 12' crown radius	1	Retain seven trees
						sycamore, open grown, some storm damage but still looks		
			31E07			good from a distance, assessment limited due to no site		
No	Connolly	6351 SW Advance Rd	01200	5	5	access authorization and existing fence	1	Requires closer examination
						North-South row of Douglas-firs along sidewalk in generally		
						good condition as intact group; East-West row of Douglas-firs		Requires closer examination, select trees
			31E18			along south property boundary in variable condition with		suitable for preservation in intact rows with
No	Gyapong	6360 SW Advance Rd	02100	6	6	some dead and some declining trees	2	dead and declining trees removed
						scots pine, 28" DBH, 20' crown radius, multiple attachments		
			31E18			with numerous leaders but well-maintained and generally		
Yes	WWSD	28355 SW 60th Ave	02001	7	7	good condition	2	Secondary priority for preservation

Consulting Arborists and Urban Forest Management 3 Monroe Parkway, Suite P 220, Lake Oswego, Oregon 97035 morgan@mholen.com | 971.409.9354



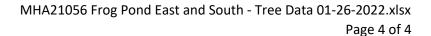
			Tax Lot	Map	Photo			Recommendations Based on Preliminary
Access	Owner	Address	No.	ID No.	No.	Description	Priority*	Evaluation
			31E18			Dense group of mostly Douglas-firs with two western		
Yes	WWSD	28355 SW 60th Ave	02001	8	8	redcedars, one spruce, and a tuliptree on the north edge	2	Suitable for retention as intact group
						No site access, limited observations from SW 60th Avenue;		
						appears that trees identified in 2014 remain standing, change		
						in condition unknown. Previous notes identified: 1) a pair of		
						Douglas-firs in good condition, suitable for retention together		
						as a small group; 2) one mature bigleaf maple with three		
						codominant stems, some dead/broken branches and		
						branches with decay, avoid developing target potential to		
						minimize risk; 3) one mature silver maple with multiple		
						attachments at ~6', avoid developing target potential to		
						minimize risk; and, 4) one other mature bigleaf maple in		
			31E18			moderate condition with codominant stems at ~3', some		
No	WCF	28901 SW 60th Ave	02700	9	9	branch/stem decay, good habitat, avoid developing target	2	Requires closer examination
						Douglas-fir, 40" DBH, 25' crown radius, generally good		
			31E18B			condition, appears to be located in the SW Kruse Road right of		
No	Corey	5691 SW Kruse Rd	02000	10	10	way	1	Retain tree
			31E18B			Mixed species in variable condition from a distance, no site		
No	Corey	5691 SW Kruse Rd	02000	11	11	access	2	Requires closer examination
						No site access, unable to make observations; 2014 data		
			31E18B			describes mixed species in variable condition with Oregon ash		
No	Vaughn	28580 SW 60th Ave	01700	12	none	being most prominent, but at least one Douglas-fir	2	Requires closer examination
						Douglas-fir, observations made from a distance; long-live		
			31E18B			crown, broken branches but generally good condition, located		
Yes	Decoster	5899 SW Kruse Rd	01900	13	12	on the edge of the HCA	1	Retain tree
						Mixed conifers including open-grown deodar cedars and		
						group of pines in generally good condition, observations made		
			31E18B			from a distance (birch trees also observed not recommended		
No	Hughes	28668 SW 60th Ave	01800	14	13	for retention due to poor condition and structure)	2	Requires closer examination

Consulting Arborists and Urban Forest Management 3 Monroe Parkway, Suite P 220, Lake Oswego, Oregon 97035 morgan@mholen.com | 971.409.9354



			Tax Lot	Map	Photo			Recommendations Based on Preliminary
Access	Owner	Address	No.	ID No.	No.	Description	Priority*	Evaluation
						Planted rows of red oaks along East-West fence and oak,		
						maple and ponderosa pines along North-South fence (black		
						cottonwood also observed by not recommended for retention		
			31E18B			due to species limitations); generally good condition as intact		
Yes	Frigaard	28500 SW 60th Ave	01500	15	14	rows	2	Secondary priority for preservation
						ponderosa pine, 34" DBH, 28' crown radius, generally good		
			31E18B			condition though crown not as dense relative to 2014		
Yes	Perez	28424 SW 60th Ave	01400	16	15	assessment, crown asymmetry, drought stress	2	Secondary priority for preservation
			31E18B			sweetgum, 18" DBH, 18' crown radius, generally good		
Yes	Perez	28424 SW 60th Ave	01400	17	16	condition with a few small broken branches	2	Secondary priority for preservation
			31E18B			giant sequoia, 16' crown radius, open-grown with a long live		
Yes	Perez	28424 SW 60th Ave	01400	18	17	crown and generally good condition	1	Retain tree
			31E18B			pin oak in generally good condition from a distance, no site		
No	Sprecher	5696 SW Advance Rd	00100	19	18	access	1	Requires closer examination
						Trees identified in 2014 have either been removed or have		
						greatly diminished structure; observed a small, but mature		
			31E18B			and well-maintained Japanese maple in good condition with		Lower priority for preservation due to small
Yes	Owens	5738 SW Advance Rd	00300	20	19	an 8' crown radius	3	size
						Row of mixed conifers including dead and dying western		
						hemlocks and three Atlas cedars and one Douglas-fir with		Diminished value with loss of hemlocks, but
			31E18B			broken branches but in generally good condition as intact		Atlas cedars and Douglas-fir still suitable for
No	Brown	5780 SW Advance Rd	00500	21	20	group	2	preservation as a group
						No site access, deodar cedars identified in 2014 remain		
			31E18B			standing and appear in generally good condition from a		
No	Brown	5780 SW Advance Rd	00500	22	21	distance	1	Requires closer examination
						Open grown ponderosa pine, 24' crown radius, fair condition		
						and moderate structure with multiple leaders, western gall		
			31E18B			rust infection, dead branches on north side of crown, crown		Lower priority for preservation due to
No	Waible	5890 SW Advance Rd	00800	23	22	asymmetry	3	moderate structure and gall rust infection
			31E18B			Large redwood and giant sequoia in generally good condition		
No	Snell	28152 SW 60th Ave	01100	24	23	from a distance; no site access	1	Requires closer examination

Consulting Arborists and Urban Forest Management 3 Monroe Parkway, Suite P 220, Lake Oswego, Oregon 97035 morgan@mholen.com | 971.409.9354





			Tax Lot	Мар	Photo			Recommendations Based on Preliminary
Access	Owner	Address	No.	ID No.	No.	Description	Priority*	Evaluation
						Small Oregon white oak suitable for transplanting identified in		
			31E18B			2014 is gone; Observed two semi-mature giant sequoias and		
No	Ajami	None	01200	25	24	two oak species trees from a distance, no site access	2	Requires closer examination
'						Dense row of semi-mature conifers, ponderosa pine with 18'		
						crown radius relatively best tree in group; spruce, shore pines		
			31E18B			and Douglas-fir in variable condition but suitable for		
Yes	Ciz	28300 SW 60th Ave	01300	26	25	preservation as intact group	2	Secondary priority for preservation
			31E18B			Dense group of mature mixed conifers, two grand fir and one		Three trees closest to house are a secondary
Yes	Ciz	28300 SW 60th Ave	01300	27	26	Douglas-fir closest to house are relatively best trees in this	2	priority for preservation; others are not

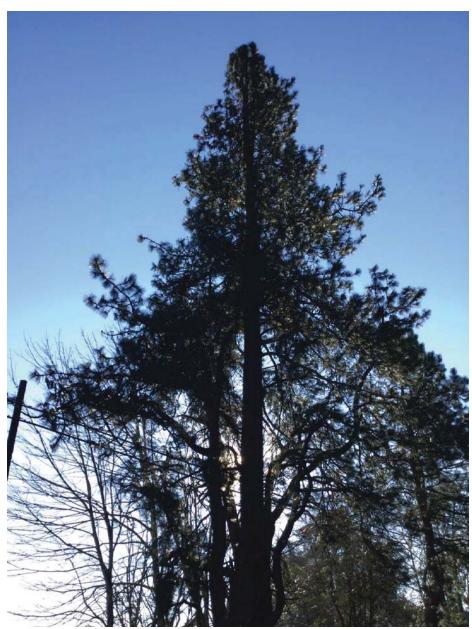


Photo 1. A 45" diameter ponderosa pine with moderate structure and western gall rust infection. In the ROW adjacent to tax lot 31E07 00700 - Map ID 1.



Photo 2. A 40" diameter mature catalpa tree in generally good condition outside of the grange hall at tax lot 31E07 00800 - Map ID No. 2.



Photo 3. A 74" diameter open-grown Atlas cedar in generally good condition behind the grange hall at tax lot 31E07 00800 - Map ID No. 3.



Photo 4. Seven trees suitable for long-term preservation at tax lot 31E07 00601; note that the large ponderosa pine near the house has very poor crown structure and is potentially hazardous - Map ID No. 4.

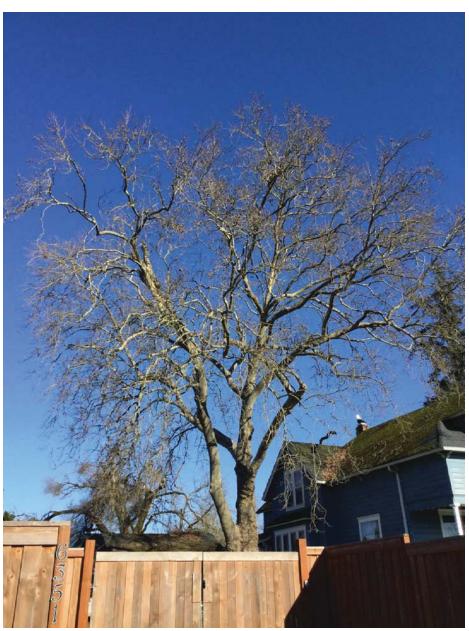


Photo 5. A mature sycamore in good condition from a distance at tax lot 31E07 01200 - Map ID No. 5.

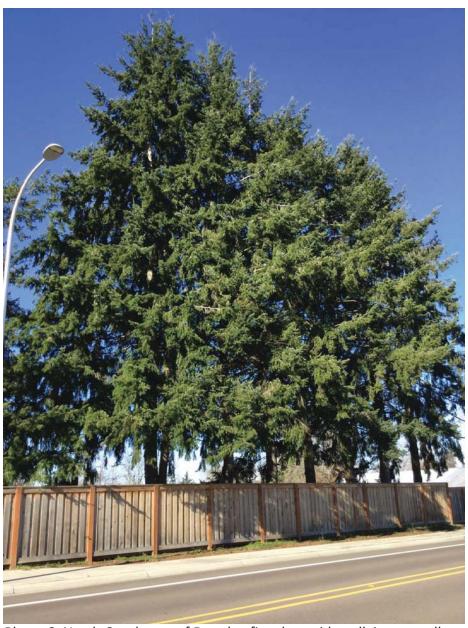


Photo 6. North-South row of Douglas-firs along sidewalk in generally good condition as intact group Tax lot 31E18 02100 - Map ID No. 6. East-West row of Douglas-firs along south property boundary (not pictured) in variable condition with some dead and some declining trees.



Photo 7. Scotch pine at tax lot 31E18B 02001 well maintained as an ornamental landscape tree - Map ID No. 7.



Photo 8. Dense group of mostly Douglas-firs with two western redcedars, one spruce, and a tuliptree on the north edge (to left) at tax lot 31E18B 02001 - Map ID No. 8.



Photo 9. No access authorized at tax lot 31E18B 02700; trees identified in 2014 appear to remain standing, condition unknown - Map ID No. 9.



Photo 10. 40" DBH Douglas-fir located in the SW Kruse Road right of way adjacent to tax lot 31E18 02600 - Map ID No. 10.



Photo 11. Mixed species in variable condition from a distance; no site access authorized for closer assessment at tax lot 31E18B 02000 - Map ID No. 11.



Photo 12. Open grown Douglas-fir in generally good condition with a long live crown and some broken branches at tax lot 31E18B 01900 - Map ID No. 13.



Photo 13. Mixed conifers appear in good condition from a distance at tax lot 31E18B 01800 - Map ID No. 14.



Photo 14. Rows of red oaks along east-west fence line (right) and mix of oak, maple and four ponderosa pines along north-south fence line (left) in generally good condition at tax lot 31E18B 01800; black cottonwood (identified with arrow) not recommended for retention. Map ID No. 15.

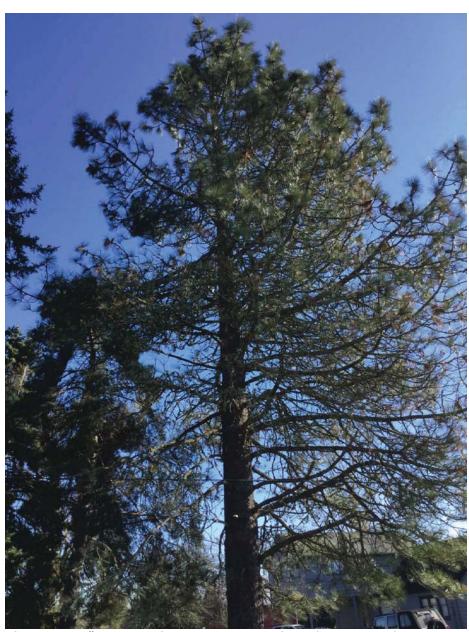


Photo 15. 34" DBH ponderosa pine in good condition at tax lot 31E18B 01400 - Map ID No. 16.



Photo 16. 18" DBH sweetgum in generally good condition at tax lot 31E18B 01400 - Map ID No. 17.



Photo 17. Open-grown giant sequoia in generally good condition at tax lot 31E18B 01400 - Map ID No. 18.



Photo 18. Pin oak in generally good condition based on observations made from a distance at tax lot 31E18B 00100 - Map ID No. 19.



Photo 19. Small but mature and well-maintained Japanese maple at tax lot 31E18B 00300 - Map ID No. 20.



Photo 20. Row of mixed conifers along eastern boundary of tax lot 31E18B 00500 include dead and dying hemlocks and Atlas cedars and a Douglas-fir in generally good condition as an intact group - Map ID No. 21.

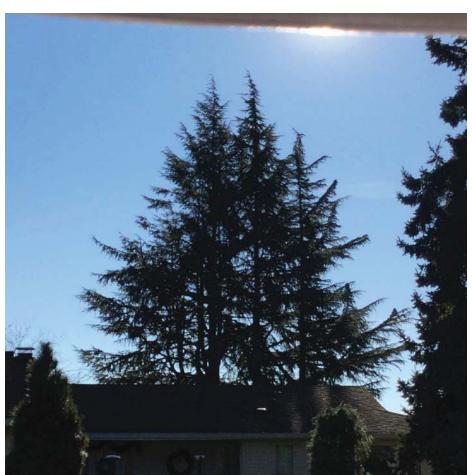


Photo 21. Row of deodar cedars at tax lot 31E18B 00500 appear in generally good condition from a distance- Map ID No. 22.



Photo 22. Open grown ponderosa pine in fair condition and with moderate structure at tax lot 31E18B 00800 - Map ID No. 23.



Photo 23. Large redwood (left) and giant sequoia (right) appear in generally good condition from a distance at tax lot 31E18B 01100 - Map ID No. 24.



Photo 24. Two semi-mature redwoods and two oak species trees appear in generally good condition from a distance at tax lot 31E18B 01200 - Map ID No. 25.



Photo 25. Dense row of semi-mature conifers in variable condition at tax lot 31E18B 01300 - Map ID No. 26.



Photo 27. Two grand firs and one Douglas-fir in a group close to the existing house are relatively the best trees at tax lot 31E18B 01300 - Map ID No. 26.