Tree Inventory & Assessment

The City of Forest Grove
Forest Grove, OR

Prepared for:
The City of Forest Grove
1924 Council Street
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Prepared by:
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April 23, 2019

OREGON TREE CARE
CARING FOR OUR ENVIRONMENT

RE Tree assessment and inventory for trees located on designated streets in Forest Grove, Oregon.

Date April 16, 2019

Attention Daniel Riordan, Senior Planner, City of Forest Grove

Site Address Forest Grove, OR 97116

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Assignment & Scope of Work

We were contacted on November 20, 2018 by Daniel Riordan, on behalf of the City of Forest Grove to offer our Certified Arborist consulting/reporting services. Following a response to the RFP, Oregon Tree Care and Damien Carré were awarded the contract to fulfill the requests detailed in the RFP (refer to Appendix B). Oregon Tree Care (OTC) then conducted a site visit to the property on March 4, 2019, March 14, 2019 and April 12, 2019. A visual assessment of 202 trees total was conducted that included identification, DBH measurement, inventory mapping, inspection of roots for any existing concerns to surrounding hardscape and structures. The data collected is summarized in this Report.

Limits of Assignment

Unless stated otherwise: 1) Information contained in this report covers only those trees that were examined and reflects the condition of those trees at the time of inspection; and 2) The inspection is limited to visual examination of the subject trees without dissection, probing, or coring unless explicitly specified. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the future. Additional Assumptions and Limiting Conditions can be found in Appendix C.

Methods

We used a Visual Tree Assessment (VTA) method to evaluate tree health, structure and root system at ground level. VTA is based on the outward indications of tree stress and growth, as indicated by the formation of new tree parts, the shape of the new wood and the amount of live tissue. Trees adapt to current and past stress by growing wood to support themselves in an upright condition. This type of assessment is facilitated by our personal knowledge of tree growth as it relates to structural integrity. We used a diameter tape marked in inches on one side and with diameter calculations on the opposite for measuring tree diameter.

Observations & Statements

Based on the described scope of work and after the initial site visit to walk through the property, an inventory was completed to include mapping to match identification numbers for the 202 trees during the site visit. Seventeen different tree species were identified, but red maple (*Acer rubrum*) is most the common, accounting for 133 (65.8%) of the inventoried trees.

86 trees (42.5%) are surrounded by tree grates.

Recommendations

4 trees were identified as being in need of upper crown and/or structural pruning:

ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
20	maple	*Acer macrophyllum*	35	A		pruning, deadwood mitigation
167	oak	*Quercus rubra*	19	A		upper crown pruning
168	oak	*Quercus rubra*	26	A		upper crown pruning
169	oak	*Quercus rubra*	28	A	small girdled root	upper crown pruning
199	oak	*Quercus garryana*	43	A	no evidence of prior pruning	structural pruning

24 trees are in need of clearance for street, sidewalk or parking lot clearance.

ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
10	maple	*Acer rubrum*	14	A		street clearance
11	maple	*Acer rubrum*	12	A		street clearance
12	maple	*Acer rubrum*	11	A		street clearance
13	maple	*Acer rubrum*	10	A		street clearance
14	maple	*Acer rubrum*	10	P	Column of decay on lower trunk	Monitor yearly, street clearance
33	maple	*Acer rubrum*	13	A	compacted soil	street light clearance
39	cherry	*Prunus serulata*	19	A	compacted soil, restricted root space	Monitor grating, street clearance
40	cherry	*Prunus serulata*	14	A	compacted roots, girdling, restricted root space	Monitor grating, street clearance
41	cherry	*Prunus serulata*	17	A	compacted soil, restricted root space	Monitor grating, street clearance
42	cherry	*Prunus serulata*	12	P	compacted soil, restricted root space	Monitor grating, street clearance
43	cherry	*Prunus serulata*	13	A	compacted soil, restricted root space	Monitor grating, street clearance
44	cherry	*Prunus serulata*	13	A	compacted soil, restricted root space	Monitor grating, street clearance
54	cherry	*Prunus serulata*	14	A	girdled roots	street and sidewalk clearance pruning
55	cherry	*Prunus serulata*	15	A		street and sidewalk clearance pruning
56	cherry	*Prunus serulata*	13	A		street and sidewalk clearance pruning
65	maple	*Acer rubrum*	2	A		parking lot clearance
66	maple	*Acer rubrum*	3	A		parking lot clearance
67	maple	*Acer rubrum*	15	A		parking lot clearance
68	maple	*Acer rubrum*	10	A		parking lot clearance
69	maple	*Acer rubrum*	18	A		parking lot clearance
70	maple	*Acer rubrum*	21	A		parking lot clearance
71	maple	*Acer rubrum*	19	A		parking lot clearance
95	Katsura	*Cercidiphyllum*	18	A		street and sidewalk clearance pruning, Monitor grating

8 trees are noted as having recent cuts to roots or tree base and/or damage from surrounding tree grates. These trees should be monitored or mitigated accordingly:

ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
26	maple	*Acer rubrum*	6	A	girdling roots, damage from steel grate	mitigate grate
38	maple	*Acer rubrum*	8	A	compacted soil, grate damaging roots	mitigate grate, monitor decay annually
110	maple	*Acer rubrum*	11	A	recent cuts to root collar	Monitor grating, monitor annually
120	maple	*Acer rubrum*	6	A	roots pruned at base	Monitor grating, monitor annually
145	maple	*Acer rubrum*	6	A	cuts at base of tree	Monitor grating, monitor annually
179	maple	*Acer rubrum*	9	A	cuts at base of tree	Monitor grating, monitor annually
187	maple	*Acer rubrum*	8	A	cuts at base of tree	Monitor grating, monitor annually
188	maple	*Acer rubrum*	6	A	cuts at base of tree	Monitor grating, monitor annually

8 trees have been recommended for removal based on poor vigor rating and visible signs of severe decay. These trees are listed below:

ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
19	maple	*Acer platanoides*	4	P		removal
47	cherry	*Prunus serulata*	10	P	vertical column of decay	removal
48	cherry	*Prunus serulata*	6	P	vertical column of decay	removal
53	maple	*Acer rubrum*	3	P	vertical column of decay	removal
61	cherry	*Prunus serulata*	20	P	girdled roots, compated soil, restricted roots	removal
64	maple	*Acer rubrum*	3	P	vertical column of decay near base	removal
94	maple	*Acer rubrum*	8	P	severe column of decay at base	removal
180	maple	*Acer rubrum*	4	P	vertical column of decay all the way up trunk	removal

OREGON TREE CARE . TREE INVENTORY

LOCATION: City of Forest Grove

SITE VISIT DATE: 3/14/2019, 4/12/2019

CERTIFIED ARBORIST: Damien Carre . PN-6405A

Condition rating key: A- Average, P- Poor

ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
1	pear	*Pyrus calleryana*	12	A		
2	pear	*Pyrus calleryana*	10	A		
3	pear	*Pyrus calleryana*	13	A		
4	pear	*Pyrus calleryana*	14	A		
5	maple	*Acer rubrum*	9	A		
6	maple	*Acer rubrum*	11	A	Compacted soil, exposed roots	
7	maple	*Acer rubrum*	13	A	Compacted soil, exposed roots	
8	maple	*Acer rubrum*	13	A	Compacted soil, exposed roots	
9	maple	*Acer rubrum*	13	A	Compacted soil, exposed roots	
10	maple	*Acer rubrum*	14	A		street clearance
11	maple	*Acer rubrum*	12	A		street clearance
12	maple	*Acer rubrum*	11	A		street clearance
13	maple	*Acer rubrum*	10	A		street clearance
14	maple	*Acer rubrum*	10	P	Column of decay on lower trunk	Monitor annually, street clearance
15	cherry	*Prunus serulata*	5	A		
16	maple	*Acer rubrum*	14	A	Compacted soil, exposed roots	

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
17	maple	*Acer rubrum*	8	A	Compacted soil, exposed roots	
18	maple	*Acer platanoides*	5	A		
19	maple	*Acer platanoides*	4	P		removal
20	maple	*Acer macrophyllum*	35	A		structural pruning, deadwood mitigation
21	maple	*Acer platanoides*	7	A		
22	ash	*Fraxinus pennsylvanica*	8	A		
23	maple	*Acer rubrum*	6	A		Monitor grating
24	maple	*Acer rubrum*	6	A	compacted soil	Monitor grating
25	maple	*Acer rubrum*	6	A	vertical column of decay at base	monitor decay annually, Monitor grating
26	maple	*Acer rubrum*	6	A	girdling roots, damage from steel grate	mitigate grate
27	maple	*Acer rubrum*	3	A		
28	maple	*Acer rubrum*	4	A		Monitor grating
29	maple	*Acer rubrum*	3	A		Monitor grating
30	maple	*Acer rubrum*	10	A	compacted soil, exposed trunk collar	
31	maple	*Acer rubrum*	8	A	compacted soil, exposed trunk collar	
32	maple	*Acer rubrum*	12	A	compacted soil, girdling roots	

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
33	maple	*Acer rubrum*	13	A	compacted soil	street light clearance
34	maple	*Acer rubrum*	5	A		Monitor grating
35	maple	*Acer rubrum*	2	A		Monitor grating
36	maple	*Acer rubrum*	3	A		Monitor grating
37	maple	*Acer rubrum*	5	A	vertical column of decay at base, grate damaging roots	mitigate grate, monitor decay annually
38	maple	*Acer rubrum*	8	A	compacted soil, grate damaging roots	mitigate grate, monitor decay annually
39	cherry	*Prunus serulata*	19	A	compacted soil, restricted root space	Monitor grating, street clearance
40	cherry	*Prunus serulata*	14	A	compacted roots, girdling, restricted root space	Monitor grating, street clearance
41	cherry	*Prunus serulata*	17	A	compacted soil, restricted root space	Monitor grating, street clearance
42	cherry	*Prunus serulata*	12	P	compacted soil, restricted root space	Monitor grating, street clearance
43	cherry	*Prunus serulata*	13	A	compacted soil, restricted root space	Monitor grating, street clearance
44	cherry	*Prunus serulata*	13	A	compacted soil, restricted root space	Monitor grating, street clearance
45	cherry	*Prunus serulata*	11	P	compacted soil	
46	cherry	*Prunus serulata*	13	A	compacted soil	
47	cherry	*Prunus serulata*	10	P	vertical column of decay	removal
48	cherry	*Prunus serulata*	6	P	vertical column of decay	removal

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
49	cherry	*Prunus serulata*	8	A	compacted soil	
50	cherry	*Prunus serulata*	7	A	compacted soil	
51	maple	*Acer rubrum*	6	A	will conflict with power lines and streetlight in the future	monitor
52	maple	*Acer rubrum*	5	A	will conflict with power lines and streetlight in the future	monitor
53	maple	*Acer rubrum*	3	P	vertical column of decay	removal
54	cherry	*Prunus serulata*	14	A	girdled roots	street and sidewalk clearance pruning
55	cherry	*Prunus serulata*	15	A		street and sidewalk clearance pruning
56	cherry	*Prunus serulata*	13	A		street and sidewalk clearance pruning
57	pear	*Pyrus calleryana*	8	A		
58	snowbell	*Styrax japonicus*	6	A		
59	snowbell	*Styrax japonicus*	6	A		
60	cherry	*Prunus serulata*	8	A	compacted soil	
61	cherry	*Prunus serulata*	20	P	girdled roots, compacted soil, restricted roots	removal
62	maple	*Acer rubrum*	5	A		Monitor grating
63	maple	*Acer rubrum*	3	A		
64	maple	*Acer rubrum*	3	P	vertical column of decay near base	removal

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
65	maple	*Acer rubrum*	2	A		parking lot clearance
66	maple	*Acer rubrum*	3	A		parking lot clearance
67	maple	*Acer rubrum*	15	A		parking lot clearance
68	maple	*Acer rubrum*	10	A		parking lot clearance
69	maple	*Acer rubrum*	18	A		parking lot clearance
70	maple	*Acer rubrum*	21	A		parking lot clearance
71	maple	*Acer rubrum*	19	A		parking lot clearance
72	London planetree	*Platanus x acerifolia*	29	A	restricted root space, raising pavement	
73	London planetree	*Platanus x acerifolia*	20	A	restricted root space, raising pavement	
74	cherry	*Prunus serulata*	11	A	restricted root space, raising pavement	
75	London planetree	*Platanus x acerifolia*	19	A	restricted root space, raising pavement	
76	London planetree	*Platanus x acerifolia*	21	A	restricted root space, raising pavement	
77	maple	*Acer rubrum*	7	A	exposed roots	
78	pear	*Pyrus calleryana*	5	A		
79	pear	*Pyrus calleryana*	6	A	vertical column of decay	monitor decay annually
80	pear	*Pyrus calleryana*	7	A		

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
81	cherry	*Prunus serulata*	10	A		
82	hornbeam	*Carpinus*	5	A		
83	maple	*Acer rubrum*	2	A		
84	maple	*Acer rubrum*	2	A		
85	hornbeam	*Carpinus*	8	A		
86	hornbeam	*Carpinus*	2	P	vertical column of decay near base	monitor decay annually
87	hornbeam	*Carpinus*	2	A	vertical column of decay at breast height	monitor decay annually
88	hornbeam	*Carpinus*	4	A		
89	maple	*Acer rubrum*	7	A		
90	maple	*Acer rubrum*	8	A		
91	maple	*Acer rubrum*	2	A		
92	maple	*Acer rubrum*	2	A		
93	maple	*Acer rubrum*	8	A		
94	maple	*Acer rubrum*	8	P	severe column of decay at base	removal
95	katsura	*Cercidiphyllum*	18	A		street and sidewalk clearance pruning, Monitor grating
96	maple	*Acer rubrum*	4	A		Monitor grating

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
97	ash	*Fraxinus pennsylvanica*	10	A		
98	ash	*Fraxinus pennsylvanica*	2	A		
99	ash	*Fraxinus pennsylvanica*	4	A		
100	ash	*Fraxinus pennsylvanica*	6	A		
101	maple	*Acer griseum*	10	A		
102	maple	*Acer griseum*	9	A		
103	ash	*Fraxinus pennsylvanica*	10	A		
104	ash	*Fraxinus pennsylvanica*	8	A		
105	ash	*Fraxinus pennsylvanica*	5	A		
106	maple	*Acer rubrum*	10	A		Monitor grating
107	maple	*Acer rubrum*	4	A		Monitor grating
108	maple	*Acer rubrum*	6	A		Monitor grating
109	maple	*Acer rubrum*	8	A		Monitor grating
110	maple	*Acer rubrum*	11	A	recent cuts to root collar	Monitor grating, monitor annually
111	maple	*Acer rubrum*	4	A		Monitor grating

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
112	maple	*Acer rubrum*	6	A		Monitor grating
113	maple	*Acer rubrum*	3	A		Monitor grating
114	maple	*Acer rubrum*	3	A		
115	maple	*Acer rubrum*	4	A	lowest whorl of lateral branches being damaged by metal brace surrounding tree	Monitor grating, remove brace
116	maple	*Acer rubrum*	3	A	lowest whorl of lateral branches being damaged by metal brace surrounding tree	Monitor grating, remove brace
117	maple	*Acer rubrum*	3	A		Monitor grating
118	maple	*Acer rubrum*	4	A		Monitor grating
119	maple	*Acer rubrum*	4	A		Monitor grating
120	maple	*Acer rubrum*	6	A	roots pruned at base	Monitor grating, monitor annually
121	maple	*Acer rubrum*	4	A		Monitor grating, topsoil/mulch/gravel recommended
122	maple	*Acer rubrum*	4	A		Monitor grating
123	maple	*Acer rubrum*	6	A		Monitor grating
124	maple	*Acer rubrum*	4	A		Monitor grating
125	maple	*Acer rubrum*	5	A		Monitor grating

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
126	maple	*Acer rubrum*	3	A		Monitor grating
127	maple	*Acer rubrum*	15	A	restricted root space, raising pavement	monitor
128	maple	*Acer rubrum*	16	A	restricted root space, raising pavement	monitor
129	maple	*Acer rubrum*	4	A		Monitor grating
130	maple	*Acer rubrum*	3	A		Monitor grating
131	maple	*Acer rubrum*	5	A		Monitor grating
132	maple	*Acer rubrum*	4	A		Monitor grating
133	maple	*Acer rubrum*	5	A		Monitor grating
134	maple	*Acer rubrum*	5	A		Monitor grating
135	maple	*Acer rubrum*	4	A		Monitor grating
136	maple	*Acer rubrum*	4	A		Monitor grating
137	maple	*Acer rubrum*	5	A		Monitor grating
138	maple	*Acer rubrum*	3	A		Monitor grating
139	maple	*Acer rubrum*	2	A	bike chain @ base of tree, future issue with girdling	Monitor grating, remove bike chain

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
140	maple	*Acer rubrum*	2	A		Monitor grating
141	maple	*Acer rubrum*	4	A		Monitor grating
142	maple	*Acer rubrum*	4	A		Monitor grating
143	maple	*Acer rubrum*	2	A		Monitor grating
144	maple	*Acer rubrum*	3	A		Monitor grating
145	maple	*Acer rubrum*	6	A	cuts at base of tree	Monitor grating, monitor annually
146	maple	*Acer rubrum*	4	A		Monitor grating
147	maple	*Acer rubrum*	6	A		Monitor grating
148	maple	*Acer rubrum*	6	A		Monitor grating
149	maple	*Acer rubrum*	8	A		Monitor grating
150	maple	*Acer rubrum*	2	A		Monitor grating
151	sweetgum	*Liquidambar styracifulua*	27	A	compacted soil, exposed root flare	
152	sweetgum	*Liquidambar styracifulua*	50	A	compacted soil, exposed root flare, girdled root, no evidence of prior pruning	root prune recommended to mitigate girdled root, full structural pruning recommended
153	maple	*Acer rubrum*	1.5	A		Monitor grating

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
154	maple	*Acer rubrum*	4	A	vertical column of decay	Monitor grating, monitor decay annually
155	maple	*Acer rubrum*	4	A		Monitor grating
156	maple	*Acer rubrum*	6	A	wound at base of tree	Monitor grating, monitor annually
157	maple	*Acer rubrum*	2	A		
158	maple	*Acer rubrum*	2	A		
159	maple	*Acer rubrum*	2	A		
160	maple	*Acer rubrum*	2	A		
161	maple	*Acer rubrum*	2	A		
162	maple	*Acer rubrum*	2	A		
163	maple	*Acer rubrum*	2	A		
164	maple	*Acer rubrum*	7	A		Monitor grating
165	maple	*Acer rubrum*	6	A		Monitor grating
166	maple	*Acer rubrum*	8	A		Monitor grating
167	oak	*Quercus rubra*	19	A		upper crown pruning

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
168	oak	*Quercus rubra*	26	A		upper crown pruning
169	oak	*Quercus rubra*	28	A	small girdled root	upper crown pruning
170	maple	*Acer rubrum*	5	A		Monitor grating
171	maple	*Acer rubrum*	4	A		Monitor grating
172	maple	*Acer rubrum*	4	P		Monitor grating, monitor annually
173	maple	*Acer rubrum*	4	A		Monitor grating
174	maple	*Acer rubrum*	4	A		Monitor grating
175	maple	*Acer rubrum*	4	A		Monitor grating
176	maple	*Acer rubrum*	10	A		Monitor grating
177	maple	*Acer rubrum*	8	A		Monitor grating
178	maple	*Acer rubrum*	9	A		Monitor grating
179	maple	*Acer rubrum*	9	A	cuts at base of tree	Monitor grating, monitor annually
180	maple	*Acer rubrum*	4	P	vertical column of decay all the way up trunk	removal
181	maple	*Acer rubrum*	6	A		Monitor grating

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ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
182	maple	*Acer rubrum*	10	A		Monitor grating
183	maple	*Acer rubrum*	9	A		Monitor grating
184	maple	*Acer rubrum*	5	A	vertical column of decay at base	Monitor grating, monitor decay annually
185	maple	*Acer rubrum*	8	A		Monitor grating
186	maple	*Acer rubrum*	8	A		Monitor grating
187	maple	*Acer rubrum*	8	A	cuts at base of tree	Monitor grating, monitor annually
188	maple	*Acer rubrum*	6	A	cuts at base of tree	Monitor grating, monitor annually
189	maple	*Acer rubrum*	10	A	compacted soil	
190	maple	*Acer rubrum*	15	A	compacted soil	
191	pine	*Pinus jeffreyi*	12	A		
192	fir	*Pseudotsuga menziesii*	13	A		
193	fir	*Pseudotsuga menziesii*	10	A		
194	plum	*Prunus cerasifera*	10	A		
195	plum	*Prunus cerasifera*	10	A		

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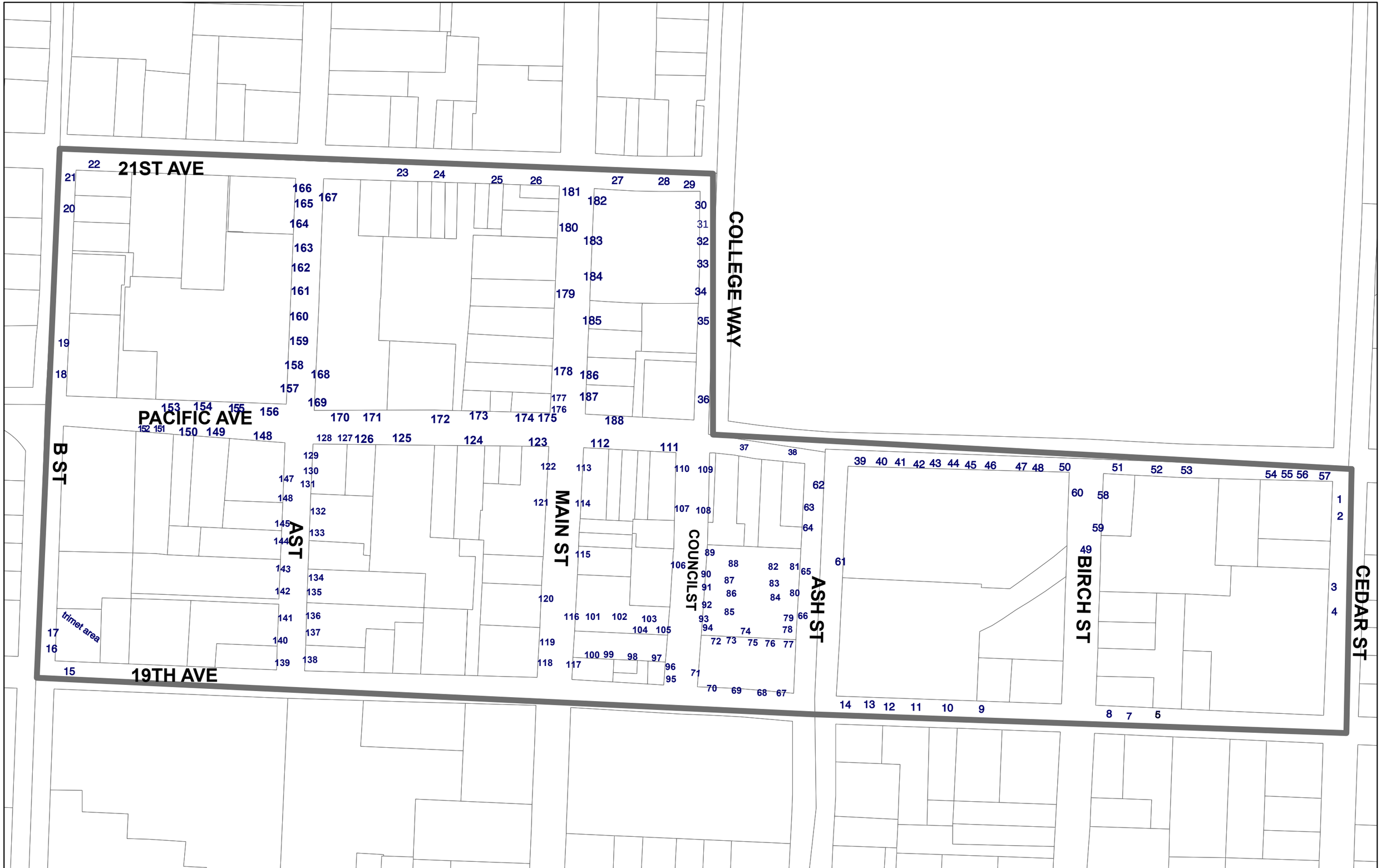
LOCATION: City of Forest Grove

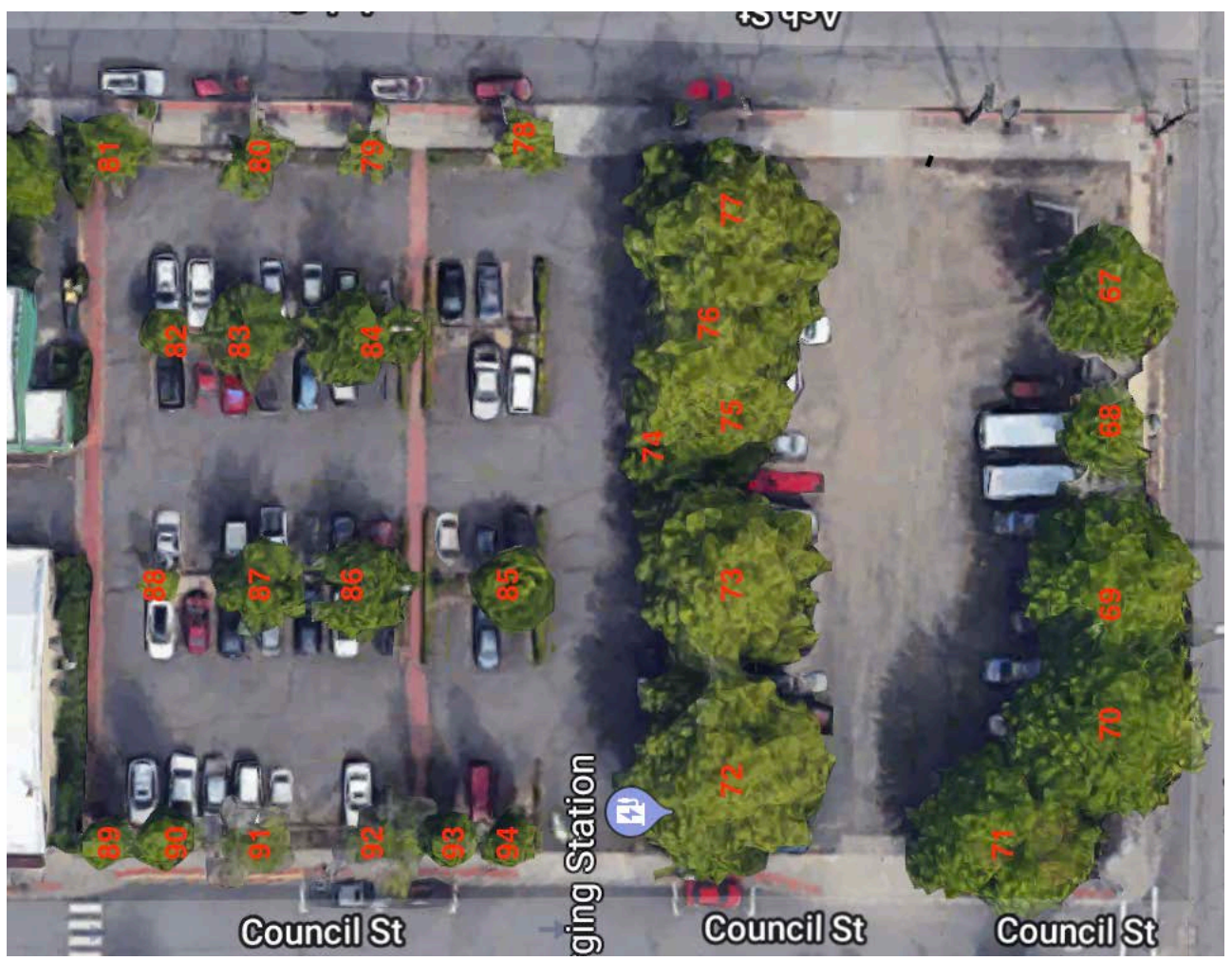
CERTIFIED ARBORIST: Damien Carre . PN-6405A

Condition rating key: A- Average, P- Poor

SITE VISIT DATE: 3/14/2019, 4/12/2019

ID Number	Tree Type	Tree Species	Size in inches (dbh)	Vigor	Comments	Recommendation
196	fir	*Pseudotsuga menziesii*	8	A		
197	fir	*Pseudotsuga menziesii*	13	A		
198	maple	*Acer rubrum*	10	A	compacted soil, exposed roots	
199	oak	*Quercus garryana*	43	A	no evidence of prior pruning	structural pruning
200	plum	*Prunus cerasifera*	12	A	compacted soil	
201	plum	*Prunus cerasifera*	10	A	compacted soil	
202	maple	*Acer rubrum*	8	A	compacted soil	


21ST AVE
PACIFIC AVE
19TH AVE
COLLEGE WAY
B ST
AST
MAIN ST
COUNCILST
ASH ST
BIRCH ST
CEDAR ST
trimet area


Council St
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Council St

APPENDIX B

FOREST GROVE OREGON

Town Center Street Tree Inventory and Assessment
Request for Letters of Interest

Submittal Deadline: Friday, October 12, 2018, 4:30 pm Pacific Daylight Time,

Introduction and Project Objectives

The City of Forest Grove is soliciting letters of interest from certified consulting arborist interested in preparing a street tree inventory and assessment for the Forest Grove Town Center. The street trees downtown were planted decades ago. Over time problems with conflicts between street trees, sidewalks, signs and buildings have occurred. In some cases pedestrian safety has been compromised due to sidewalk damage causing tripping hazards. This is most notable along Main Street which is a high pedestrian area. Adjacent property owners have generally not kept up with maintenance of the street trees. As a result several trees have grown too large and roots have caused damage to sidewalks, sewer and water lines.

A baseline of information is needed to fully assess the situation and to serve as basis for preparing recommendations for managing street trees in the downtown. At a minimum, information is needed about street tree location, tree type, height, size, condition and presence of conflicts with buildings, sidewalks and signs if any.

Assessment of conditions requires expertise by trained professionals certified in performing visual tree assessments based on generally accepted practices sanctioned by the organizations such as the International Society of Arboriculture.

Information gathered by the consultant will be entered in the City's GIS and used to develop policy recommendations for management of the downtown street trees for consideration by the Community Forestry Commission and City Council. Recommendations will address appropriate tree varieties to plant in a downtown environment, locations for additional tree planting, location of trees recommended for removal based on the tree assessment and policies for ongoing maintenance and shared responsibility for tree care between the City, property and business owners. The City is also interested in recommendations for locations where new street trees could be planted.

A map of the study area is provided on the next page. The project area includes approximately 150 street trees. The maximum budget for this project is $4,800.

In response to this solicitation the following items must be included in a letter of interest:

- **Qualifications**: Provide a brief description of firm qualifications and experience successfully completing similar projects. Please briefly describe experience conducting urban forest tree inventories and urban forest management recommendations for governmental agencies. Also, please describe any experience using Geographic Information System (GIS) software for tree inventories and analysis.
- **Personnel**: name and contact information for project manager and indication of personnel assigned to the project.
- **Scope of Services**: summarize the services you will provide, approach to the scope of work and recommendations for changes, if any.
- **Timeline**: Estimate of project duration expressed in number of days after receiving the City's notice to proceed. Please include a statement confirming the consultant is available and has the time and resources necessary to complete the project within the specified timeline.
- **Cost**: Hourly rate for assigned personnel, anticipated time allocation/budget for assigned personnel and lump sum fee proposal.

Consultant selection will include review of letters of interest by the City of Forest Grove Community Forestry Commission. The Commission may request additional information and may conduct interviews prior to selecting the project consultant.

For any questions contact:

- Dan Riordan, Community Forestry Commission staff liaison at (503) 992-3226 or driordan@forestgrove-or.gov.

Mail submittals to:
City of Forest Grove
Community Development Department
PO Box 326
Forest Grove, OR 97116

In person submittals to:

City of Forest Grove
Community Development Department
1924 Council Street

Submittal deadline: Friday, October 12, 2018, 4:30 pm Pacific Daylight Time,

Appendix C - Assumptions & Limiting Conditions

1. Consultant assumes that any legal description provided to Consultant is correct and that title to property is good and marketable. Consultant assumes no responsibility for legal matters. Consultant assumes all property appraised or evaluated is free and clear, and is under responsible ownership and competent management.

2. Consultant assumes that the property and its use do not violate applicable codes, ordinances, statutes or regulations.

3. Although Consultant has taken care to obtain all information from reliable sources and to verify the data insofar as possible, Consultant does not guarantee and is not responsible for the accuracy of information provided by others.

4. Client may not require Consultant to testify or attend court by reason of any report unless mutually satisfactory contractual arrangements are made, including payment of an additional fee for such Services.

5. Unless otherwise required by law, possession of this report does not imply right of publication or use for any purpose by any person other than the person to whom it is addressed, without the prior express written consent of the Consultant.

6. Unless otherwise required by law, no part of this report shall be conveyed by any person, including the Client, the public through advertising, public relations, news, sales or other media without the Consultant‘s prior express written consent.

7. This report and any values expressed herein represent the opinion of the Consultant, and the Consultant’s fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event or upon any finding to be reported.

8. Sketches, drawings and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by Consultant as to the sufficiency or accuracy of the information.

9. Unless otherwise agreed, (1) information contained in this report covers only the items examined and reflects the condition of the those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring. Consultant makes no warranty or guarantee, express or implied that the problems or deficiencies of the plans or property in question may not arise in the future.

10. Loss or alteration of any part of this Agreement invalidates the entire report.

Appendix D – Bibliography & Glossary

Partial Glossary of Terms

DBH: Diameter at Breast Height, typically measured at four and a half feet from ground level.

Girdling: A root that grows around the trunk of the tree thus tending to strangle the tree.

Pruning: The act of sawing or cutting branches from a living tree generally involving thinning, deadwood removal and weight reduction to improve the overall health of a tree. The species and size/age of the tree will determine the proper amount of reduction and type of cuts performed.

Risk: Likelihood or probability that something will happen. Usually associated with negative consequences. In tree management, the likelihood that a tree or tree part will fall and cause injury or damage.

Root flare: the area at the bae of the trunk that swells out to become buttress roots entering the soil.

Vigor: A measure of the increase in plant growth or foliage volume through time after planting.

OTC Cares

Caring for our environment stems from a deep knowledge of trees. How they work, what keeps them healthy, and knowing when to remove a hazard tree is all part of our training. The International Society of Arboriculture (ISA) sets the industry standard for proper care. Our Certified Arborists are tested and approved by the ISA. With annual education requirements, we stay current in our knowledge and qualifications.

Respectfully Submitted,

Damien Carré – Owner

- Certified Arborist, ISA (PN-6405A)
- Certified Tree Risk Assessor (CTRA 1717)
- Over 20 years' experience in the arboriculture industry
- ISA, PNW-ISA Member, TCIA Member
- PNW-ISA Arborist of The Year 2016
- Ascending the Giants, Board Member; non-profit documenting the champion trees in the Pacific Northwest
- PNW-ISA, member representative for course design and setup to the Local, Regional, National and International Climbing Championships

Disclaimer

Arborists are specialists in tree management and care who use their education, knowledge, training and experience to inspect and assess tree health and condition, recommend measures that are likely to enhance the health and beauty of trees, and attempt to identify measures that reduce risk of personal injury or property damage from trees exhibiting defects. Clients may choose to accept or disregard the recommendation of the arborist, or to seek additional advice. Arborists cannot detect every condition that could possibly lead to the structural failure or decline in health of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time.

Likewise, the response to any remedial treatments, like any medicine, cannot be guaranteed. Treatment, pruning or removal of trees may involve considerations beyond the scope of the Arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the Arborist. An Arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

In order to accomplish a full assessment and to produce the best information, historical data on each tree (from past observations and reporting) should be provided in accordance with standard systematic tree assessment practices. OTC sincerely has the interest of not only the tree and the environment in mind, but also the residents.

-END-