



AMERICAN FOREST
MANAGEMENT

ARBORIST REPORT
For
24th St SE Extension – Lake Stevens
H.W. Lochner, Inc
Lake Stevens, WA



November 1st, 2017

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1. Introduction

American Forest Management, Inc. was contacted and asked by H.W. Lochner, Inc to perform a tree inventory and condition assessment of significant trees on the project site known as the 24th Street SE Extension in the City of Lake Stevens. The proposed development would require clearing existing trees in the path of the new road and during construction of the adjacent retention pond.

Our assignment was to prepare a written report on present tree conditions to aid in the development of a mitigation and tree replacement plan. The tree data is summarized on the attached tree tables.

Dates of Field Examination: Multiple days in August and September 2017.

2. Description

The project site is located south of a residential area on 20th St SE and west of State Route 9, covering sections of Snohomish County parcels 0045700002001; -2102; -2201; -2304; -2401. A proposed extension of 24th St SE would dissect the site. The study area is detailed on the attached survey maps.

The project area is comprised of vacant, wooded properties. Conifers, specifically Western hemlock and Western red cedar, dominate the canopy with interspersed deciduous species, including big leaf maple, black cottonwood and red alder.

There are wetlands in the southeast portion of the project area. Subject trees surveyed did not extend into existing wetlands.

Over 600 significant trees were individually assessed on the property. A significant tree is defined in Lake Stevens Municipal Code Title 14 (Section 08) as “Any deciduous tree eight inches or greater in diameter (25 inches in circumference or greater), and any evergreen tree 12 inches or greater in diameter (37 inches in circumference or greater), measured one foot above the root crown”. Subject trees were marked in the field by a numbered aluminum tag attached to the lower trunk. Tag numbers correspond with the numbers on the attached Tree Summary Tables and maps.

3. Methodology

Each tree in this report was visited. Tree diameters were measured by tape. The tree heights were measured using a Spiegel Relaskop. Each tree was visually examined for defects and vigor. The tree assessment procedure involves the examination of many factors:

- The crown of the tree is examined for current vigor. This is comprised of inspecting the crown (foliage, buds and branches) for color, density, form, and annual shoot growth, limb dieback and disease. The percentage of live crown is estimated for coniferous species only and scored appropriately.

- The bole or main stem of the tree is inspected for decay, which includes cavities, wounds, fruiting bodies of decay (conks or mushrooms), seams, insects, bleeding, callus development, broken or dead tops, structural defects and unnatural leans. Structural defects include crooks, forks with V-shaped crotches, multiple attachments, and excessive sweep.
- The root collar and roots are inspected for the presence of decay, insects and/or damage, as well as if they have been injured, undermined or exposed, or original grade has been altered.

Based on these factors a determination of condition is made. The three condition categories are described below:

Good – free of significant structural defects, no disease concerns, minor pest issues, no significant root issues, good structure/form with uniform crown or canopy, foliage of normal color and density, average or normal vigor, will be wind firm if isolated or left as part of a grouping or grove of trees, suitable for its location

Fair – minor to moderate structural defects not expected to contribute to a failure in near future, no disease concerns, moderate pest issues, no significant root issues, asymmetric or unbalanced crown or canopy, average or normal vigor, foliage of normal color, moderate foliage density, will be wind firm if left as part of a grouping or grove of trees, cannot be isolated, suitable for its location

Poor – major structural defects expected to cause fail in near future, disease or significant pest concerns, decline due to old age, significant root issues, asymmetric or unbalanced crown or canopy, sparse or abnormally small foliage, poor vigor, not suitable for its location

The attached Tree Summary Tables provide specific information on tree sizes, drip-line measurements, height-to-diameter ratios and rated condition, as well as assessed risk of failure.

Risk of failure or the hazard rating of low to high is assessed based on structure and defect. Trees expected to fail in the near-term (within 3 years) are rated as “high” (H). Trees with defined issues but are not expected to be a problem within the next 5 to 10 years are rated as “moderate” (M). Trees not expected to be a problem for another 10 years or more are rated as “low” (L).

4. Observations

A total of 654 significant trees were identified within the study area. Four hundred and fifteen of those trees were within the boundaries of the proposed retention pond. Tree species composition on the site was a mix of native species, with the majority being comprised of coniferous species. The most common species was Western hemlock, followed by Western red cedar and red alder. Big leaf maple and black cottonwood were present in similar numbers. Douglas fir, bitter cherry, and the non-native English holly increased site diversity but contributed 2% or less of the total trees recorded.

The ages of the hemlocks and cedars varied greatly with a range of diameters from 10" to 67". Cedars appeared healthier and 69% were categorized in good condition compared to 57% of hemlocks. Structural defects in hemlocks consisted of codominant stems, natural leans, and stilted roots. Stilted roots, a result of a seedling growing on a stump or log that eventually decays to leave the mature tree elevated and supported by several 'stilts', may not necessarily increase the likelihood of tree failure by itself¹. Some recently fallen trees had normal trunks and root crowns intact. Most trees in the NW area of the property along the proposed extension of 91st Ave SE as it approaches 20th St SE had ivy growing on the trunk or into the canopy.

Alders on the subject property are generally in poor condition compared to other tree species. Only 34% were categorized as good condition and 22% were deemed in poor condition, much higher than the 4-6% of conifers in poor condition. Decay, small crowns relative to tree height, and top dieback are symptoms of natural decline associated with maturity. Red alder is a short lived species, which rarely exceeds 60 – 80 years, even in the most favorable conditions.

5. Discussion

Western hemlock and Western red cedar trees in the subject area were generally free of disease and pests. The structural defects we observed were typical of the species in a healthy forest. The poorer condition of many of the mature deciduous trees on site, specifically the more numerous red alder, are typical of shorter-lived trees nearing the end of their life span. Significant English ivy infestations on the northeast portions of the property were the most obvious forest health problem. Dense mats of ivy on a tree can damage its crown and large limbs may be more likely to fail under the weight. In the absence of any management activities, ivy will continue to spread and establish in the subject area.

A total of 654 trees were assessed. Forty eight of these trees are in poor condition. In total, 606 viable, low to moderate risk trees, were assessed. Some of the trees were outside of the clearing limits and retention might be feasible depending on the location of clearing limits and construction activity.

6. Recommendations

Development edge areas should be assessed after the initial clearing to identify and remove any high-risk or hazard trees leaning towards the proposed improvements or that may have been compromised during clearing activities.

¹ Pyles et al 1991. Capacity of second-growth Douglas-fir and Western hemlock stump anchors for cable logging. *Journal of Forest Engineering*, 3(1): 29-37.

H W Lochner Lake Stevens - Significant Tree Study

There is no warranty suggested for any of the trees subject to this report. Weather, latent tree conditions, and future man-caused activities could cause physiologic changes and deteriorating tree condition. Over time, deteriorating tree conditions may appear and there may be conditions, which are not now visible which, could cause tree failure. This report or the verbal comments made at the site in no way warrant the structural stability or long term condition of any tree, but represent my opinion based on the observations made.

Nearly all trees in any condition standing within reach of improvements or human use areas represent hazards that could lead to damage or injury.

Please call if you have any questions or if we can be of further assistance.

Sincerely,



Bob Layton
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Photos

Subject area with moderate understory



Subject area with open understory



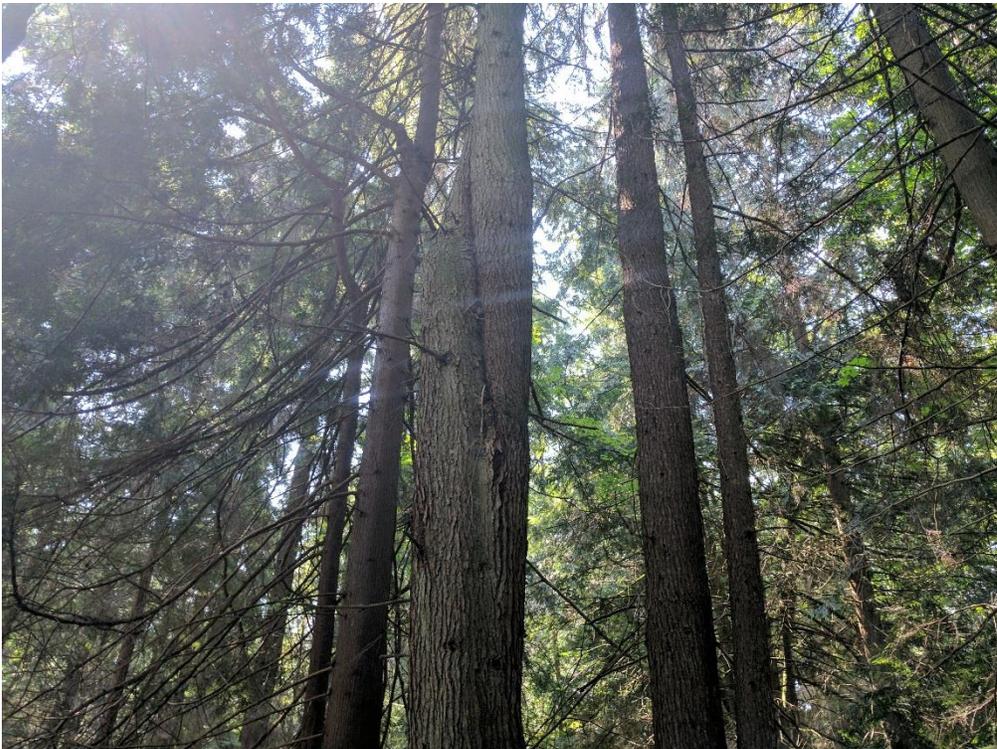
Western hemlock in northwest section with ivy



Blowdown with exposed root crown



Western hemlock with codominant stems



Western hemlock with stilted roots



Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

Date: 8/25/2017
Inspector: American Forest Management

Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
1	Apple	23	23	15	moderate	fair	Trunk decay
2	Douglas fir	28	99	17	low	good	
3	Douglas fir	10	55	10	low	good	
4	Douglas fir	7	54	8	low	good	
5	Douglas fir	9	50	8	low	good	
6	black cottonwood	12	77	9	low	fair	
7	black cottonwood	16	80	10	low	fair	
8	big leaf maple	12	53	12	low	fair	Forked trunk
9	black cottonwood	13	81	7	low	fair	Asymmetrical crown
10	black cottonwood	14	74	11	low	fair	
11	black cottonwood	18	78	15	low	fair	
12	black cottonwood	26	123	8	low	fair	
13	black cottonwood	40	140	14	high	poor	Decay in trunk
14	red alder	10	60	8	moderate	fair	Asymmetrical crown
15	big leaf maple	32	85	18	low	good	
16	bitter cherry	13	80	13	low	fair	
17	black cottonwood	32	120	14	low	fair	
18	red alder	16	65	18	low	fair	
19	Western red cedar	35	89	17	low	good	
20	Western hemlock	22	100	17	low	good	
21	red alder	12, 8	80	8	moderate	poor	Dieback
22	Western red cedar	25	90	18	low	good	
23	Western red cedar	22	100	12	low	good	
24	Western hemlock	14	105	8	low	good	
25	red alder	14	86	7	low	fair	
26	Western hemlock	17, 9, 7, 5	110	11	low	fair	Forks at base
27	red alder	14, 10	100	10	low	fair	Forks at 1'
28	Western hemlock	12	96	10	low	fair	
29	red alder	11	65	6	high	poor	Lower trunk decay
30	Western hemlock	9	50	8	low	fair	
31	Western hemlock	17	110	13	low	good	

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
32	red alder	12	90	7	low	fair	
33	Western hemlock	18	106	11	low	fair	
34	Western hemlock	9	75	6	low	fair	
35	Western hemlock	11	88	7	low	fair	
36	Western hemlock	9	75	8	low	fair	
37	Western hemlock	13	80	6	moderate	poor	Dieback
38	red alder	11	95	5	moderate	fair	Low live crown ratio
39	Western hemlock	17	105	9	low	fair	
40	Western hemlock	15	98	10	low	fair	
41	Western hemlock	16, 8	110	8	low	fair	
42	Western hemlock	12	93	7	low	fair	Self corrected lean
43	Western hemlock	7	47	10	low	fair	Stilt rooted
44	Western red cedar	30	116	14	low	good	
45	Western red cedar	22	109	18	low	good	
46	Western red cedar	34	118	16	low	fair	Forked trunk
47	red alder	14	115	15	low	fair	
48	Western red cedar	18, 13	107	10	low	good	
49	Western red cedar	13	92	9	low	good	
50	Douglas fir	29	115	11	low	fair	Two trunks wrapped around each other
51	Western red cedar	18, 7	100	13	low	fair	
52	Western hemlock	21, 9	110	11	low	fair	
53	Western red cedar	27, 11, 7	124	17	low	good	
54	red alder	17, 16	95	11	low	fair	Growing in seasonal steam
55	red alder	19	120	8	low	fair	Growing in seasonal steam
56	Western red cedar	36	110	16	low	good	
57	red alder	18	85	6	moderate	poor	Severe decay
58	red alder	18	91	6	moderate	poor	Severe decay
59	black cottonwood	14	132	5	low	fair	Poor taper
60	black cottonwood	18	140	15	low	good	
61	red alder	12	85	14	low	fair	
62	black cottonwood	16	130	12	low	fair	

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
63	black cottonwood	15	120	9	low	fair	
64	black cottonwood	17	115	10	low	fair	
65	black cottonwood	14	110	11	low	fair	
66	big leaf maple	10	105	12	low	good	
67	red alder	15	120	11	low	fair	Overmature
68	Western hemlock	13	90	8	low	fair	
69	Western hemlock	12	85	8	low	fair	
70	Western hemlock	21	120	11	low	good	
71	Western red cedar	14	85	15	low	good	
72	Western hemlock	14	85	13	low	fair	Natural lean
73	black cottonwood	56	170	18	low	fair	Enormous
74	red alder	17	120	10	low	fair	
75	Western hemlock	19	88	15	low	fair	
76	Western red cedar	31		16	low	good	
77	Western hemlock	10	90	10	low	fair	
78	Western hemlock	8	80	6	low	fair	Crook in trunk
79	Western red cedar	36	117	17	low	good	
80	red alder	14	97	6	moderate	poor	Dead top, dieback
81	Western hemlock	8	55	7	low	fair	Stilt rooted
82	red alder	24	116	17	moderate	fair	Forked trunk, mature
83	Western red cedar	10	80	9	low	fair	
84	Western red cedar	22	97	15	low	good	
85	Western red cedar	34	96	16	low	good	
86	red alder	16	116	14	moderate	poor	Lower trunk decay
87	red alder	15	113	9	moderate	poor	Natural lean, decay
88	red alder	19	115	7	moderate	poor	Lower trunk decay
89	Western red cedar	28	88	18	low	good	Forked top
90	Western red cedar	11	65	9	low	good	
91	Western red cedar	25	86	16	low	good	
92	Western hemlock	35	130	11	low	fair	Stilt rooted
93	Western hemlock	14	79	15	low	fair	

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
94	big leaf maple	35	114	26	low	good	Lower trunk decay
95	Western hemlock	17	115	11	low	good	
96	Western red cedar	39	128	16	low	good	
97	Western red cedar	21	95	14	low	good	
98	Western red cedar	10	59	15	low	good	
99	red alder	14	65	7	high	poor	Natural lean, poor dieback
100	Western red cedar	35	128	17	low	good	Forked trunk
101	Western red cedar	8	60	11	low	good	
102	big leaf maple	5, 6, 6, 13, 19	92	11	low	good	Forks at base
103	big leaf maple	9, 8, 3, 4, 7	80	10	low	fair	
104	big leaf maple	29	142	20	low	good	
105	Western red cedar	14, 11, 4, 4	68	18	low	fair	
106	Western red cedar	38	116	17	low	good	
107	red alder	19	75	8	moderate	poor	Natural lean, lower trunk decay
108	Western red cedar	35	104	18	low	good	
109	big leaf maple	9, 14	120	21	low	fair	Some dieback in the upper trunk
110	Western red cedar	30	101	14	low	good	
111	Western red cedar	11	55	12	low	good	
112	Western red cedar	15	76	15	low	good	
113	Western red cedar	8	55	14	low	good	
114	black cottonwood	15	134	7	low	good	
115	Western red cedar	32	90	17	low	good	
116	big leaf maple	63	147	28	low	excellent	healthy, good form
117	Western red cedar	33	107	18	low	good	
118	Western hemlock	29	105	17	low	good	
119	Western red cedar	33	91	15	low	fair	Forked trunk at 30', v shaped attachment
120	red alder	12	121	10	low	fair	Mature
121	red alder	13	91	8	low	fair	Mature

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
122	big leaf maple	14	86	12	low	good	
123	Western red cedar	9	64	10	moderate	fair	Root plate lifting
124	Western red cedar	25	100	17	low	good	Small wound on North side
125	big leaf maple	16	105	16	low	good	
126	Western red cedar	32	102	14	low	excellent	
127	Western red cedar	22	85	15	low	good	
128	big leaf maple	8, 13, 8, 8, 16, 9, 7, 12, 11, 16	124	21	low	good	
129	black cottonwood	14	108	8	low	good	
130	red alder	13	71	14	low	fair	
131	red alder	14	70	11	low	good	
132	big leaf maple	14	95	16	low	good	
133	Western hemlock	34	121	19	low	good	Forks at 30 ft, good U shaped attachment
134	big leaf maple	8, 15, 13, 16, 13	102	20	low	good	
135	Western red cedar	40	95	17	low	fair	Forked top
136	Western hemlock	27	158	21	low	good	
137	Western red cedar	13	75	12	low	fair	Growing from base of sibling tree, forked top
138	Western red cedar	9	65	18	low	good	
139	red alder	15	70	18	low	good	
140	Western hemlock	13	95	13	low	good	
141	red alder	40	105	16	low	good	
142	red alder	13	56	17	low	fair	
143	Western red cedar	22	90	12	low	good	
144	Western red cedar	40	105	18	low	good	
145	Western red cedar	10	75	11	low	good	
146	Western red cedar	36	102	17	low	good	
147	big leaf maple	11, 9, 17, 20, 32, 19	146	29	low	fair	Some rot in one trunk

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
148	Western red cedar	10	78	9	low	good	
149	big leaf maple	18, 8, 6	116	16	low	good	Some dead stems
150	Western red cedar	30	115	10	low	excellent	
151	Western red cedar	37	159	19	low	good	
152	Western hemlock	18, 7	96	8	moderate	fair	Codominant stems, poor attachment
153	Western red cedar	14	84	8	low	fair	
154	Douglas fir	14	64	11	moderate	poor	Burls, broken top, low live crown ratio
155	big leaf maple	32	100	12	moderate	poor	Major limb failure, dead wood
156	Western red cedar	16	87	14	low	good	
157	Western hemlock	35	115	19	low	good	Recent sapsucker activity
158	Western red cedar	24	120	15	low	fair	Wound on S side
159	Western red cedar	27	126	17	low	fair	
160	Western hemlock	25	125	18	moderate	good	Some lower trunk decay, stilt rooted
161	Western hemlock	35	132	17	low	good	Stilt rooted
162	Western red cedar	32	90	18	low	good	
163	Western red cedar	29	89	16	low	good	
164	Western red cedar	29	100	15	low	good	
165	Western red cedar	25	104	14	low	good	
166	Western red cedar	28	82	13	low	excellent	
167	Western red cedar	41	97	11	low	good	Self corrected lean
168	big leaf maple	29	120	19	low	good	
169	Western red cedar	43	104	24	low	good	
170	Western red cedar	14	87	12	moderate	poor	decay at base
171	Western red cedar	46	123	23	low	good	
172	big leaf maple	18, 21, 12, 5, 16, 11	120	32	low	fair	Some decay, dead stems
173	Western red cedar	33	130	16	low	excellent	
174	Western red cedar	39	110	14	low	excellent	
175	Western red cedar	16	90	8	low	fair	Natural lean
176	Western hemlock	16	102	11	low	fair	Asymmetrical crown
177	Western hemlock	20	113	15	low	good	

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
178	Western red cedar	25	98	16	low	good	
179	Douglas fir	23	119	16	low	good	
180	Western hemlock	25	128	20	low	good	
181	Western hemlock	16	90	11	low	good	
182	Western red cedar	28	85	13	low	good	Ivy
183	Western red cedar	17	70	20	low	good	
184	Western hemlock	31	115	19	low	good	Ivy
185	Western red cedar	15	65	11	low	fair	Self corrected lean
186	Western red cedar	7	36	7	low	fair	Self corrected lean
187	Western hemlock	16	90	9	low	fair	Ivy
188	Western red cedar	39	122	14	low	poor	Ivy, sparse canopy
189	Western hemlock	16	110	8	low	fair	Ivy, thin crown
190	Western hemlock	13	115	12	moderate	poor	Ivy, thin crown
191	Western red cedar	16	83	14	low	good	
192	Western hemlock	27	119	16	low	fair	Ivy
193	Western hemlock	22	115	12	low	poor	Ivy, small live crown
194	Western hemlock	20	115	11	low	fair	Ivy
195	Western hemlock	22	115	19	low	fair	Ivy
196	Western red cedar	31	108	19	low	fair	Connected at base to sibling tree
197	Western hemlock	22	103	15	low	fair	Natural lean
198	Western red cedar	9	50	12	low	good	
199	Douglas fir	30	140	21	low	good	Ivy
200	English holly	6, 5, 3, 3, 6, 6	31	9	low	fair	
201	big leaf maple	20	71	16	low	fair	Thin crown, ivy
202	Western hemlock	25	98	15	low	fair	Ivy
203	big leaf maple	24	65	18	low	fair	Pruned for powerlines
204	Western hemlock	15	118	8	low	fair	Asymmetrical crown, small live crown
205	Western red cedar	8	60	15	low	good	
206	Western red cedar	19	116	19	low	good	
207	Western hemlock	35	152	13	low	fair	Mature, some lower trunk decay

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
208	Western red cedar	38	130	15	low	good	
209	Western red cedar	26	125	12	low	good	Codominant stems starting at 50 ft
210	Western hemlock	13	83	11	low	good	
211	Western red cedar	26	125	17	low	good	
212	red alder	18	105	11	moderate	fair	Crook in trunk
213	red alder	14	90	8	high	poor	Severe decay
214	Western hemlock	11	115	11	low	fair	Poor trunk taper
215	Western hemlock	12	115	11	low	fair	Poor trunk taper
216	Western hemlock	17	100	16	low	fair	
217	Western hemlock	20	107	13	low	good	Frost cracks on trunk
218	red alder	14	75	9	moderate	poor	Broken top
219	big leaf maple	15	105	17	low	fair	
220	Western hemlock	19	120	14	low	good	
221	black cottonwood	22	110	8	high	poor	Near dead, hollow trunk
222	Western hemlock	19	115	9	low	good	
223	red alder	12, 9	114	9	low	fair	Codominant stems start 1 ft from base
224	red alder	24	80	11	low	fair	
225	red alder	16	70	12	high	poor	Severe decay
226	Western hemlock	16	125	17	low	good	
227	big leaf maple	7, 7, 7, 9, 8, 14, 7, 7	110	16	low	good	
228	big leaf maple	15, 5	130	17	low	good	
229	Western hemlock	11, 18, 25	134	16	low	fair	Some cavities at base
230	Western red cedar	15	90	16	low	good	
231	big leaf maple	10, 8, 24	126	25	low	good	
232	Western hemlock	8	65	14	low	good	Somewhat suppressed
233	Western hemlock	11	66	16	low	good	
234	black cottonwood	19	163	13	low	good	
235	Western hemlock	15	125	15	low	fair	Codominant stem, poor attachment, included bark
236	Western hemlock	19	120	16	low	fair	One main trunk and two subdominants

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
237	red alder	14	90	18	low	fair	
238	Western red cedar	18	90	18	low	good	
239	red alder	11	105	9	low	good	
240	red alder	18	95	12	moderate	poor	
241	red alder	13	87	9	low	good	
242	red alder	10, 8	90	9	moderate	poor	Decay, in decline
243	Western hemlock	8	60	13	low	good	
244	red alder	19, 23, 20	116	16	high	poor	Severe decay
245	red alder	16	110	9	moderate	fair	
246	Western hemlock	21	115	7	low	fair	
247	red alder	12	88	7	low	good	Natural lean
248	red alder	11	101	12	moderate	fair	
249	Western hemlock	18	90	17	low	good	
250	Western hemlock	28	120	12	low	good	Subdominant forks starting at 8 ft
251	Western hemlock	14	87	11	low	good	Codominant stem previously failed
252	Western red cedar	20	95	17	low	good	
253	Western red cedar	21	125	10	low	good	
254	Western red cedar	14	76	8	low	poor	Stilt rooted
255	Western hemlock	16	120	13	low	good	
256	Western hemlock	9	68	10	low	good	Fused with snag at base
257	Western hemlock	21	130	9	moderate	poor	Frost crack, <i>Ganoderma</i> conk at base
258	Western hemlock	22	142	16	low	good	
259	Western hemlock	29	130	15	moderate	fair	Two codominant stems, some included bark
260	Western red cedar	26	140	11	low	excellent	
261	Western hemlock	17	141	8	low	fair	Poor trunk taper
262	Western hemlock	18	148	8	low	good	
263	Western hemlock	12	95	10	low	good	
264	Western hemlock	15	90	12	low	good	
265	Western hemlock	10	85	6	low	fair	Poor trunk taper, low live crown ratio
266	red alder	28	86	21	low	fair	Natural lean, mature
267	red alder	12	80	8	low	fair	Natural lean

Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

Date: 8/25/2017
Inspector: American Forest Management

Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
268	Western hemlock	17	115	12	low	good	
269	black cottonwood	11	81	7	low	fair	
270	Western red cedar	20	105	14	low	good	
271	red alder	20	98	12	low	good	
272	Western red cedar	22	75	12	low	good	
273	Western hemlock	10	90	7	low	fair	
274	Western hemlock	9	85	6	low	good	Poor taper
275	Western hemlock	14	78	7	low	good	
276	Western red cedar	20	98	14	low	excellent	
277	red alder	15	112	11	low	fair	Cracks on trunk
278	Western red cedar	13	115	7	low	fair	
279	red alder	15	110	16	low	fair	Forked trunk
280	red alder	14	90	11	low	good	
281	Western hemlock	7	80	12	low	good	Suppressed
282	Western hemlock	12	80	10	low	good	
283	red alder	18	100	7	low	fair	Narrow crown
284	red alder	14, 16	103	12	low	good	Codominant stems starting at 1 ft
285	Western hemlock	14	82	10	low	good	
286	Western hemlock	8	70	7	low	good	
287	Western hemlock	10	75	5	low	good	
288	red alder	20	129	9	low	fair	Forked top
289	Western hemlock	11	105	12	low	good	
290	Western hemlock	8	95	14	low	good	
291	Western hemlock	8	80	6	low	fair	Crook in trunk, low live crown ratio
292	Western hemlock	9	84	9	low	fair	
293	Western hemlock	15	120	10	low	good	
294	Western red cedar	25	97	14	low	good	
295	Western hemlock	29	125	10	moderate	poor	Thin crown
296	Western hemlock	13	85	16	low	good	Supporting a neighboring dead alder
297	Western hemlock	11	80	12	low	fair	
298	Western hemlock	20	120	9	low	good	

Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

Date: 8/25/2017
Inspector: American Forest Management

Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
299	red alder	14	84	6	low	good	
300	Western hemlock	8	67	6	low	fair	Poor taper
301	Western hemlock	9	68	6	low	good	Crook in top
302	Western hemlock	8	70	8	low	fair	Suppressed
303	Western hemlock	14	75	12	low	good	
304	Western hemlock	14	109	7	low	good	Poor taper
305	Western hemlock	15	102	8	low	good	
306	Western hemlock	21	129	12	low	good	
307	Western hemlock	13	108	8	low	good	
308	Western hemlock	14	65	11	low	good	Broken top
309	Western hemlock	13	75	10	low	good	
310	Western hemlock	15	125	9	low	good	
311	Western hemlock	21	130	11	low	fair	Cavity in base
312	Western hemlock	15	87	10	low	good	Frost cracks, wasp nest in tree
313	Western hemlock	17	95	17	low	good	Frost cracks
314	red alder	22	90	16	low	good	
315	Western hemlock	32	115	12	moderate	fair	Codominant stem failed at 20 ft, large wound remains
316	big leaf maple	16	110	16	low	good	
317	red alder	11	86	7	high	poor	Mortality imminent
318	Western hemlock	19	116	10	low	good	
319	Western red cedar	23	127	12	low	good	
320	Western hemlock	27	130	12	low	good	
321	Western hemlock	23	130	15	low	fair	Spike knot
322	Western hemlock	18	125	8	low	good	
323	Western hemlock	15	110	12	low	fair	Crook in trunk
324	Western hemlock	22	122	11	low	excellent	
325	Western hemlock	13	97	9	low	good	
326	Western hemlock	8, 14	88	12	low	fair	Trunk forks at 2 ft, some included bark
327	Western hemlock	10	70	11	moderate	fair	Stilt rooted
328	red alder	16	115	9	low	fair	Forked top
329	Western hemlock	15	113	10	low	good	

Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

Date: 8/25/2017
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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
330	Western hemlock	9	62	10	low	fair	Growing off lateral trunk
331	Western hemlock	15	120	15	low	good	Sunken/depressed trunk on West side
332	Western hemlock	23	131	9	moderate	poor	Codominant stems with included bark
333	Western red cedar	9	80	14	low	good	
334	red alder	15	95	12	low	fair	
335	Western hemlock	14	136	10	low	good	
336	Western hemlock	17	140	8	low	good	
337	Western hemlock	18	134	10	low	good	
338	Western hemlock	17	140	10	low	good	
339	Western hemlock	14	138	11	low	good	
340	Western hemlock	11	123	7	low	good	
341	Western hemlock	14	110	11	low	good	
342	red alder	22, 19	115	18	high	poor	Codominant stems with neighboring tree between trunks
343	Western hemlock	13	89	8	low	good	
344	Western hemlock	8	52	12	low	fair	Suppressed
345	Western red cedar	11	65	10	low	excellent	
346	Western hemlock	10	50	9	low	poor	Broken top
347	Western hemlock	8	41	7	low	fair	Suppressed, crooked trunk
348	red alder	15	101	11	low	good	
349	Western hemlock	12	69	8	low	good	
350	Western hemlock	9	44	14	low	good	
351	Western hemlock	10	84	11	low	good	Stilt rooted
352	Western hemlock	13	90	12	low	good	Stilt rooted
353	red alder	11	105	9	moderate	fair	Stilt rooted, natural lean
354	big leaf maple	38	129	26	low	good	
355	Western hemlock	10	70	9	low	good	
356	red alder	18	91	11	low	good	
357	Western red cedar	9, 5	75	12	low	good	Asymmetrical crown
358	Western red cedar	16	83	15	low	good	
359	Western red cedar	25, 8	87	17	low	good	
360	red alder	16, 29	87	10	low	fair	

Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
361	Western hemlock	13	75	9	low	good	
362	red alder	15	114	7	moderate	poor	Trunk forks, only one live trunk
363	Western red cedar	31	100	12	low	good	
364	red alder	21	90	18	low	good	
365	Western red cedar	15	69	11	low	fair	
366	red alder	11	75	9	low	fair	Natural lean
367	red alder	16, 15	111	14	low	fair	Small cavity on one trunk
368	red alder	17, 15, 18	108	14	low	fair	
369	red alder	14	80	8	low	fair	
370	Western hemlock	11	75	10	low	good	
371	Western hemlock	13	80	22	low	excellent	
372	Western hemlock	14	110	15	low	good	
373	Western hemlock	21	134	11	low	good	
374	Western red cedar	29	125	17	low	good	
375	Western hemlock	14	108	9	low	good	
376	Western red cedar	12	95	9	low	good	
377	Western red cedar	19	98	14	low	good	
378	Western hemlock	17	123	12	low	good	
379	Western hemlock	10	109	8	low	fair	
380	red alder	9	76	12	low	good	
381	red alder	13	120	8	low	fair	Thin crown
382	red alder	16	116	12	low	good	Natural lean
383	red alder	11	106	9	low	good	Natural lean
384	red alder	18	120	10	moderate	poor	Leaning top, supported by neighboring tree
385	Western hemlock	15	125	14	low	good	
386	Western hemlock	17	135	16	low	good	Full crown
387	Western hemlock	16	85	13	low	fair	
388	Western hemlock	17	101	12	low	fair	Stilt rooted
389	Western hemlock	13	97	10	low	fair	Stilt rooted
390	Western hemlock	10	87	8	moderate	poor	Stilt rooted, low vigor
391	red alder	13	84	7	moderate	poor	Large cavity at base

Tree Summary Table

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City of Lake Stevens

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
392	Western hemlock	16	130	12	low	good	
393	red alder	16	92	10	moderate	poor	Natural lean
394	Western hemlock	25	140	17	low	good	Lower trunk has large crook
395	big leaf maple	12	73	18	low	fair	Crack in one stem
396	big leaf maple	16, 39, 17, 16	114	30	low	good	
397	Western hemlock	25	111	9	low	good	
398	Western hemlock	17	99	13	low	good	
399	red alder	31	103	21	low	good	
400	Western hemlock	14	79	18	low	good	
401	Douglas fir	47	150	18	low	excellent	
402	Western red cedar	20	85	18	low	excellent	
403	black cottonwood	33	162	12	low	good	
404	Western hemlock	32	117	16	low	fair	Stilt rooted
405	Western hemlock	15	78	14	moderate	poor	Natural lean
406	black cottonwood	15	125	15	low	fair	Heavy lean
407	red alder	21	115	14	low	fair	
408	big leaf maple	28	145	33	low	excellent	
409	black cottonwood	8	64	18	low	fair	Crook in trunk
410	black cottonwood	29	139	16	low	good	
411	Western red cedar	27	114	12	low	good	
412	Western hemlock	23	131	12	low	good	
413	Western red cedar	15	85	9	low	good	
414	Western red cedar	21	91	11	low	good	
415	Western red cedar	22	84	9	low	good	
416	Western red cedar	33	92	13	low	excellent	
417	Western red cedar	22	90	12	low	good	Bark slough on lower trunk
418	Western hemlock	18	95	11	low	good	
419	red alder	21	110	15	low	good	
420	red alder	19	113	14	low	good	
421	black cottonwood	31	155	16	low	good	

Tree Summary Table

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City of Lake Stevens

American Forest Management, Inc

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
422	red alder	12	65	9	low	good	
423	red alder	11	61	8	low	good	
424	black cottonwood	41	157	16	low	good	
425	Western hemlock	12	78	11	low	fair	
426	black cottonwood	49	150	16	low	good	Three codominant stems
427	black cottonwood	23	90	12	low	good	
428	black cottonwood	18	82	10	low	good	
429	red alder	17	90	7	low	fair	Natural lean
430	Western hemlock	15	75	11	moderate	good	Stilt rooted
431	black cottonwood	22	120	13	low	good	
432	Western red cedar	12	55	16	low	good	
433	black cottonwood	13	104	12	low	good	
434	red alder	15	78	10	low	fair	Natural lean
435	black cottonwood	27	130	15	low	good	
436	black cottonwood	13	104	10	low	fair	Natural lean
437	red alder	16, 19	126	13	low	fair	
438	red alder	17	101	19	low	good	
439	red alder	22	130	15	low	good	
440	Western red cedar	16	84	14	low	good	
441	Western red cedar	21	65	17	low	good	
442	Western red cedar	35	120	17	low	good	
443	Western red cedar	35	125	14	low	good	
444	black cottonwood	32	130	23	low	good	
445	Western red cedar	36	103	17	low	good	
446	Western hemlock	22	95	10	moderate	poor	Lower trunk cavity from base to 25 ft
447	Western hemlock	31	140	12	low	good	
448	Western red cedar	11	65	16	low	good	Growing very close to neighboring tree
449	Western red cedar	11	68	9	low	good	
450	Western hemlock	18	110	8	low	good	
451	Western red cedar	35	119	17	low	good	
452	Western red cedar	19	106	10	low	good	

Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

Date: 8/25/2017
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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
453	Western red cedar	16	97	9	low	fair	Bowed trunk, thin crown
454	Western red cedar	36	110	19	low	excellent	
455	big leaf maple	25	115	18	low	good	Some large dead branches
456	big leaf maple	26	160	14	low	good	
457	black cottonwood	34	150	19	low	good	
458	big leaf maple	21	138	14	low	good	
459	black cottonwood	33	164	18	low	good	
460	Western red cedar	36	132	13	low	good	
461	Western red cedar	45	140	22	low	good	
462	Western hemlock	16	89	9	low	fair	Stilt rooted
463	Western hemlock	17	90	11	low	fair	Self corrected lean, stilt rooted
464	Western red cedar	24	92	10	moderate	poor	Canopy mostly dead
465	big leaf maple	31, 25, 42	125	27	low	good	
466	Western hemlock	38	123	14	low	good	
467	Western red cedar	24	100	18	low	excellent	
468	Western hemlock	8	72	12	low	good	
469	red alder	18	120	9	low	fair	
470	Western hemlock	16	94	11	low	fair	Stilt rooted
471	Western red cedar	39, 8	124	18	low	good	
472	Western hemlock	14	86	19	low	fair	Stilt rooted
473	Western hemlock	9	74	6	moderate	poor	Canopy mostly dead
474	Western red cedar	57	130	17	low	excellent	
475	Western red cedar	45	134	15	low	good	Forked top
476	Western hemlock	20, 5	120	12	low	good	
477	Western hemlock	15	117	9	low	good	
478	Western hemlock	10	83	8	low	fair	Codominant stems at 8 ft
479	Western hemlock	16	116	13	low	good	
480	Western hemlock	29	145	14	low	good	
481	big leaf maple	22	115	12	low	good	
482	Western red cedar	37	130	10	low	good	
483	Western red cedar	11, 13	74	12	low	good	

Tree Summary Table

 For: H W Lochner
 City of Lake Stevens

American Forest Management, Inc

 Date: 8/25/2017
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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
484	red alder	16	78	11	low	fair	3 of 4 trunks dead
485	Western hemlock	17	90	12	low	fair	Natural lean
486	Western red cedar	67	161	21	low	good	Trunk forks at 8 ft
487	red alder	16	87	9	low	fair	Low live crown ratio
488	Western red cedar	33	147	11	low	fair	Thin crown
489	Western red cedar	40	150	17	low	good	Large spike knot at 20 ft
490	big leaf maple	18	120	12	low	fair	Small canopy
491	Western hemlock	21	109	10	moderate	poor	Cavity at base, low liive crown ratio
492	Western hemlock	10	104	8	moderate	poor	Near dead
493	Western hemlock	11	110	11	low	good	Asymmetrical crown
494	Western hemlock	22	116	11	low	fair	
495	Western hemlock	44	154	12	moderate	good	Stilt rooted, natural lean
496	Western red cedar	28	130	14	low	good	
497	Western red cedar	43	142	16	low	good	
498	does not exist						
499	Western hemlock	28	131	12	moderate	fair	Lots of needle dieback, stilt rooted
500	Western red cedar	8	42	10	low	fair	
501	red alder	18	119	10	moderate	poor	Major cracks on stem
502	Western red cedar	39	135	21	low	fair	Codominant stem starts at 6 ft
503	Western hemlock	23	138	20	low	good	
504	Western red cedar	26	130	16	moderate	fair	Codominant stem at 18 ft, bulge and crack below
505	Western red cedar	25	118	10	moderate	poor	Canopy mostly dead, bark coming off lower trunk
506	big leaf maple	27	119	24	low	good	Mostly a single stem, good vigor
507	Western red cedar	10	43	9	moderate	poor	Broken top, low vigor, debarking at base
508	Western red cedar	18	74	12	low	fair	Codominant stem at 11 ft
509	big leaf maple	17	105	23	low	good	
510	Western red cedar	36	103	18	low	good	
511	Western red cedar	55	115	15	low	good	
512	Western red cedar	51	119	15	low	fair	Codominant stems at 20 ft
513	Western hemlock	11	68	12	moderate	fair	Stilt rooted
514	Western hemlock	29	127	17	low	good	

Tree Summary Table

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
515	Western hemlock	29	120	12	low	good	
516	Western red cedar	14	56	12	low	good	
517	Western hemlock	19	77	14	moderate	fair	Stilt rooted
518	Western hemlock	29	115	20	low	fair	Bracken fungi on trunk
519	Western hemlock	14	65	10	moderate	poor	Exposed roots, sibling stem recently failed
520	Western red cedar	51	103	21	low	fair	
521	red alder	27	85	21	low	fair	10 inch <i>Ganoderma</i> on trunk at 12 ft
522	red alder	26	93	22	low	good	
523	red alder	17	89	18	low	good	
524	Western red cedar	12	59	11	low	good	
525	red alder	29	107	18	moderate	poor	10 ft decay >50% of base diameter
526	Western hemlock	29	89	14	moderate	fair	Stilt rooted, sweep in base
527	Western hemlock	25	92	8	low	good	
528	Western hemlock	15	87	9	low	good	
529	Western hemlock	8	48	6	low	good	
530	Western hemlock	20	89	8	low	good	
531	big leaf maple	29	102	27	low	good	
532	Western hemlock	13	64	11	low	fair	Stilt rooted, sweep in base
533	Western hemlock	9	60	9	low	good	
534	Western red cedar	31	91	17	low	good	
535	red alder	23	107	23	low	good	
536	Western hemlock	18	82	13	low	fair	Stilt rooted, 10 ft crack in lower trunk
537	red alder	24	87	19	low	good	
538	Western hemlock	20	94	11	low	good	
539	Western red cedar	26	79	18	low	good	
540	Western hemlock	24,11	114	12	low	good	
541	Western hemlock	22	110	11	low	good	
542	Western red cedar	12	41	13	low	good	
543	Western hemlock	25	99	14	low	good	
544	Western red cedar	37	108	17	low	fair	Contained decay on one side of trunk
545	red alder	18	75	20	low	good	Natural lean

Tree Summary Table

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
546	Western hemlock	12	88	8	low	good	
547	Western hemlock	23	115	8	low	fair	Root rot
548	Western red cedar	39	118	16	low	good	
549	Western red cedar	40	118	16	low	good	
550	red alder	22	95	14	low	good	Good vigor
551	Western hemlock	16	46	15	low	fair	Major sweep
552	Western hemlock	8	39	8	low	good	
553	big leaf maple	19	77	15	low	good	
554	Western red cedar	49	110	16	low	fair	Thin canopy
555	Western red cedar	32,16	110	12	low	good	
556	Western red cedar	14	65	15	low	fair	
557	Western hemlock	22	114	16	low	good	
558	Western red cedar	13	91	10	low	good	
559	red alder	16	104	12	low	fair	Thin canopy
560	Western hemlock	13	98	14	low	good	
561	Western hemlock	8	37	9	low	good	
562	Western hemlock	12	77	8	low	good	
563	Western red cedar	12	62	11	low	good	
564	Western red cedar	37, 22, 9	112	15	low	good	
565	Western hemlock	25	105	13	low	good	
566	Western red cedar	35	110	11	low	fair	
567	Western red cedar	35	112	14	low	good	
568	Western red cedar	17	87	15	low	good	
569	Western red cedar	49	82	21	low	fair	Broken top
570	Douglas fir	19	98	6	low	fair	Low live crown ratio
571	Western red cedar	47	108	13	low	good	
572	red alder	23,15	118	23	low	good	
573	Western red cedar	47	125	15	low	good	Codominant stems
574	Western red cedar	17	90	14	low	good	
575	Western red cedar	32	120	11	low	fair	Thin canopy
576	Western red cedar	22	98	9	low	fair	

Tree Summary Table

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Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
577	Western hemlock	23, 9	122	12	low	good	
578	red alder	18	105	18	low	good	
579	red alder	13	86	19	low	fair	Strong lean
580	Western red cedar	22	88	16	low	good	
581	Western red cedar	23	88	16	low	good	
582	Western red cedar	43	120	17	low	good	
583	red alder	11	102	12	low	good	
584	Western red cedar	21	107	9	low	fair	Decay in lower trunk
585	Western red cedar	27	110	14	low	good	
586	red alder	14	96	15	low	good	
587	red alder	17	98	17	low	good	
588	red alder	13	82	21	low	fair	Natural lean
589	Western red cedar	29	75	13	low	fair	Broken top
590	red alder	15	110	19	low	good	
591	red alder	16	112	18	low	good	
592	red alder	19	117	23	low	good	
593	Western hemlock	14	90	17	low	good	
594	Western hemlock	10	50	15	low	good	
595	Western hemlock	29	122	19	low	excellent	
596	Western hemlock	18	105	13	low	good	
597	Western red cedar	21	65	14	low	good	
598	Western hemlock	19	108	12	low	good	
599	red alder	12	93	22	low	good	Rubbing on hemlock
600	Western red cedar	23	101	12	low	good	
601	Western red cedar	19	98	11	low	good	
602	Western hemlock	20	125	10	low	fair	Flat bark on North side
603	Western hemlock	25	134	12	low	good	
604	Western red cedar	25	97	13	low	fair	Recent wound on south side on trunk
605	Western red cedar	42	108	17	low	fair	Dominant and subcommittee trunks
606	Western red cedar	16	62	15	low	fair	
607	Western red cedar	41	115	12	moderate	poor	Crook in trunk 30' up, small live crown

Tree Summary Table

 For: H W Lochner
 City of Lake Stevens

American Forest Management, Inc

 Date: 8/25/2017
 Inspector: American Forest Management

Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
608	Western hemlock	24	120	17	low	good	
609	Western red cedar	40	110	18	low	good	forked trunk
610	Western red cedar	12	70	15	low	good	
611	red alder	17	95	8	low	fair	Leans east into crown of tree #610
612	red alder	17	88	8	moderate	poor	Decay in mid trunk, leans East, some dieback
613	Western red cedar	20	72	16	low	good	
614	Western hemlock	13	84	7	low	fair	Stilted roots
615	Western hemlock	18	87	11	low	good	Stilted roots
616	Western hemlock	11	62	8	low	good	
617	red alder	18	70	10	moderate	fair	Leans W
618	Western red cedar	18	84	17	low	good	
619	Western red cedar	25	116	16	low	good	
620	Western hemlock	27	125	10	low	fair	ivy on trunk
621	Western red cedar	19	76	12	low	good	
622	Western hemlock	20	95	11	low	good	
623	Western hemlock	21	101	12	low	good	
624	Western red cedar	36	95	18	low	good	
625	red alder	17	102	15	moderate	fair	some trunk decay
626	red alder	19	106	12	moderate	fair	some trunk decay, leaf dieback
627	Western red cedar	8	45	12	low	good	
628	big leaf maple	36, 20, 28	30	128	moderate	fair	one dead trunk, co-dominant stems fork at the base, if dead stems were pruned, risk would be reduced to low
629	Western hemlock	22	140	11	low	fair	narrow crown
630	Western red cedar	13	60	15	low	good	
631	big leaf maple	25, 12	120	26	low	good	
632	big leaf maple	11, 12, 6	108	24	low	fair	
633	Western hemlock	16	110	11	low	good	
634	red alder	18	87	10	low	fair	trunk forks at 15', mature
635	red alder	16	95	9	moderate	fair	decay, declining
636	red alder	15	91	11	moderate	fair	lead dieback
637	red alder	16	72	12	low	fair	

Tree Summary Table

For: H W Lochner
City of Lake Stevens

American Forest Management, Inc

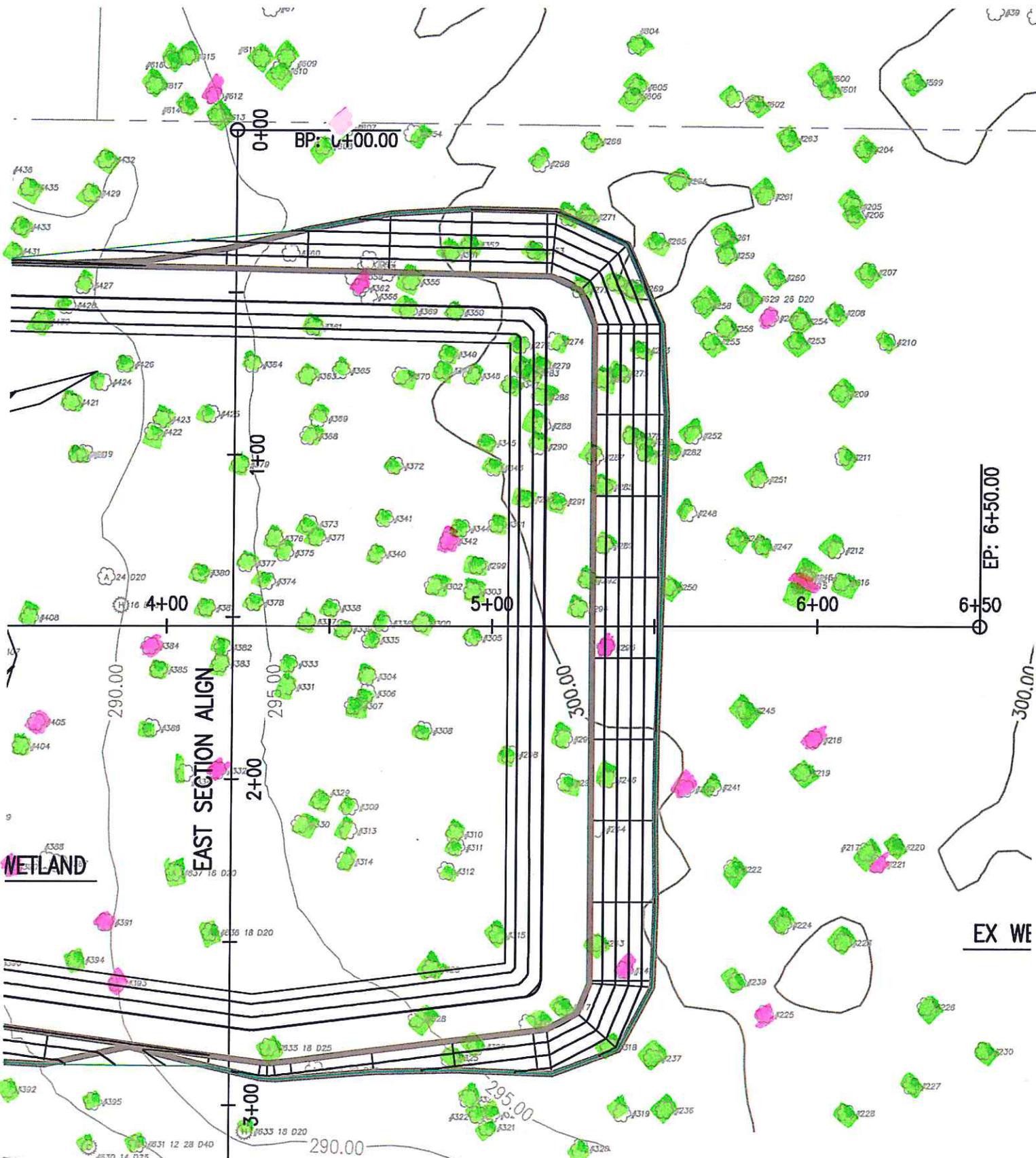
Date: 8/25/2017
Inspector: American Forest Management

Tag #	Species	DBH (inches)	Height (feet)	Drip-Line (feet)	Failure	Condition	Comments
638	Western hemlock	6, 21	120	18	low	fair	forks at 2'
639	Western hemlock	12	60	15	low	fair	stilted roots
640	Western hemlock	28	140	19	low	good	
641	big leaf maple	64, 18	119	25	low	good	main trunk forks at 4'
642	red alder	14, 15	120	11	moderate	fair	Thin crown
643	black cottonwood	14	63	12	low	good	no concerns, open grown
644	black cottonwood	55	130	25	moderate	fair	mature, ivy on lower trunk
645	Douglas fir	27	104	18	low	good	Full crown
646	Douglas fir	35	108	20	low	good	full crown, good form
647	black cottonwood	22	135	21	moderate	fair	leans North
648	black cottonwood	20	85	12	moderate	fair	leans West
649	black cottonwood	28	132	15	low	fair	
650	black cottonwood	26, 28, 26, 20, 15	155	17	moderate	fair	forks at base
651	willow	13	47	12	low	fair	leans West
652	black cottonwood	26, 28	150	16	moderate	fair	forks at 4', included bark at branch attachment
653	black cottonwood	15	102	7	low	fair	leans South
654	black cottonwood	20	125	18	low	fair	
655	black cottonwood	17, 12	140	13	low	fair	forks at 1'



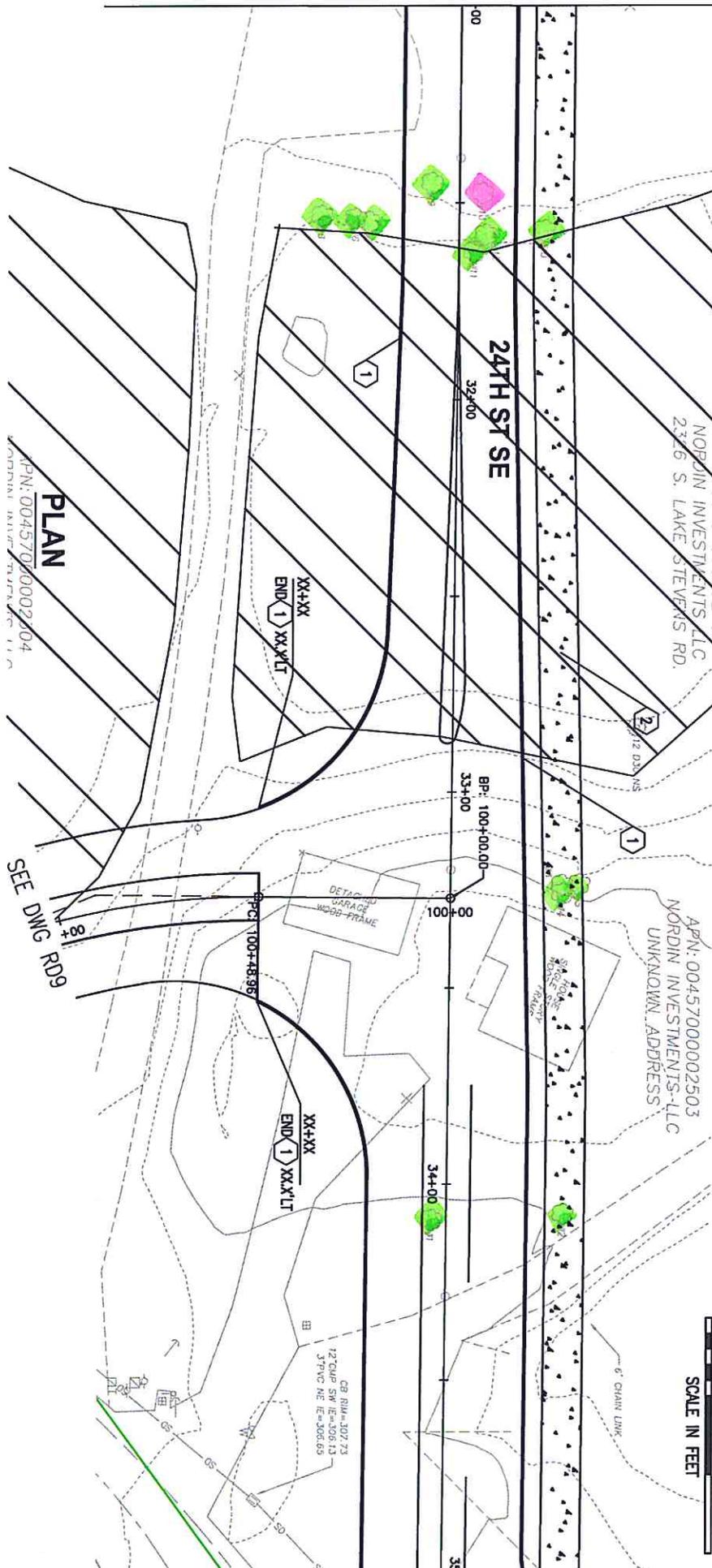
 - VIABLE TREE

 - NON-VIABLE TREE



■ - VIABLE TREE

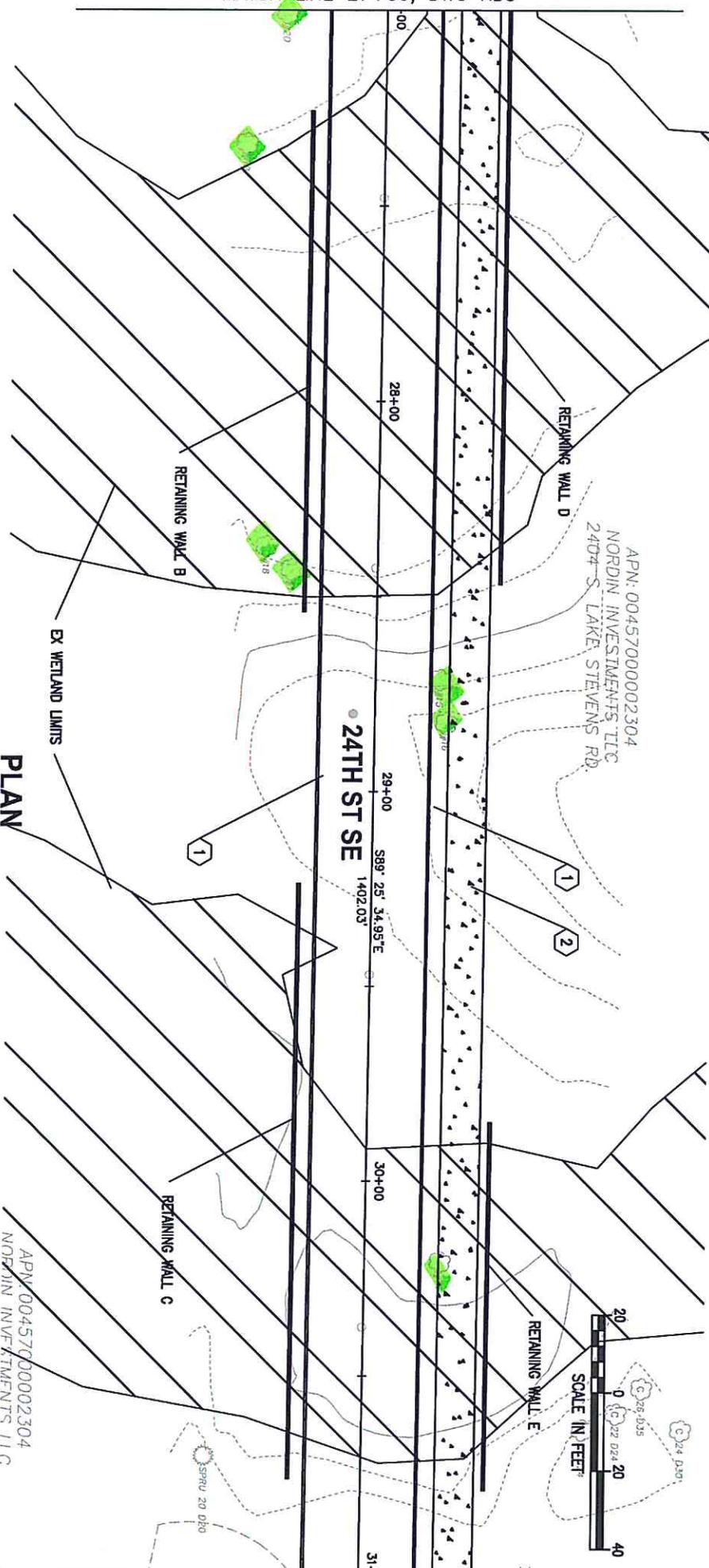
■ - NON-VIABLE TREE



SCALE IN FEET

 - VIABLE TREE
 - Non-VIABLE TREE

PLAN
 APN: 0045700002204
 NORDIN INVESTMENTS, LLC



- VIABLE TREE

PLAN

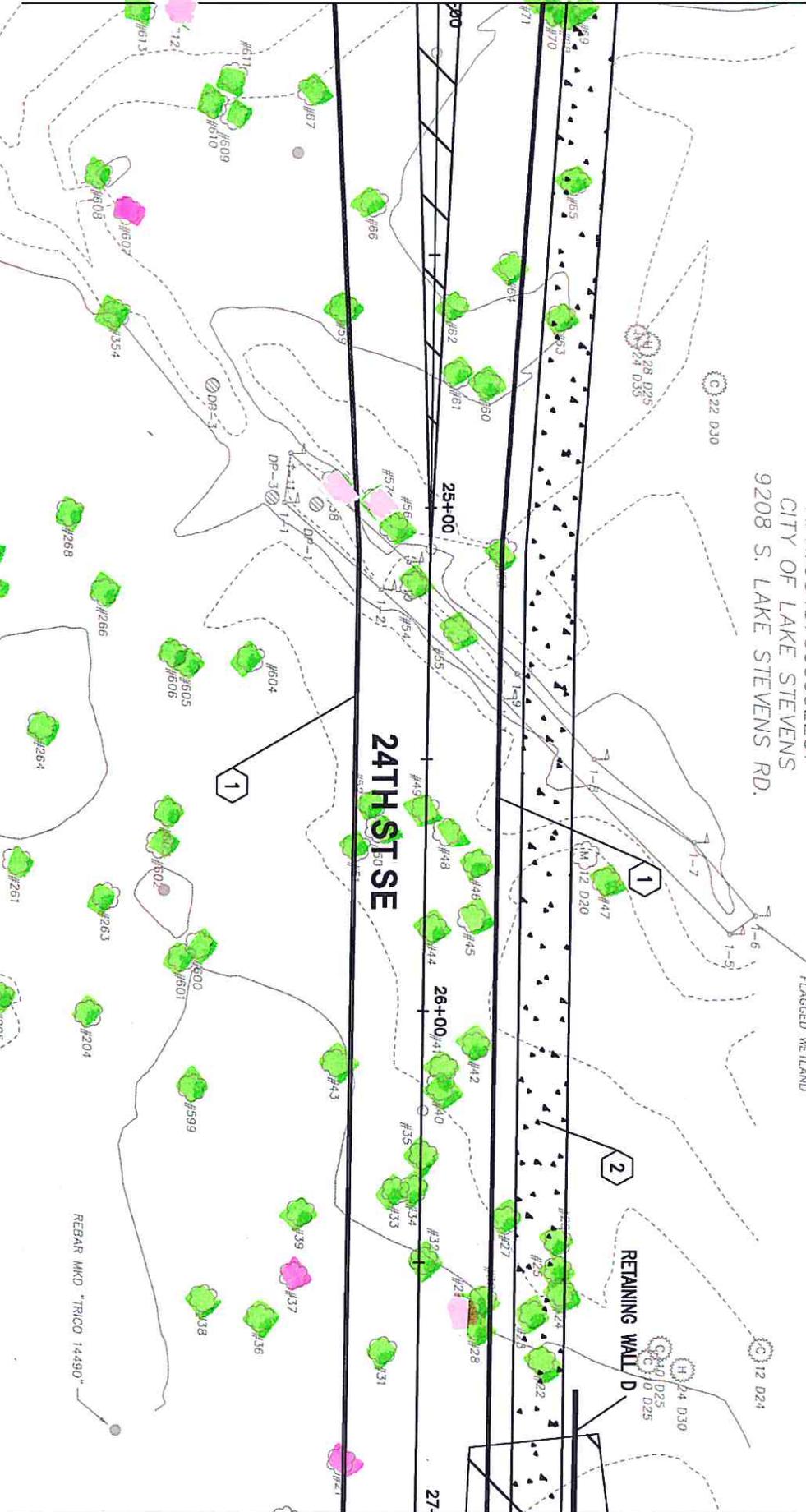
MATCH LINE 24+00, DWG RD4

APN: 00457000002201
CITY OF LAKE STEVENS
9208 S. LAKE STEVENS RD.

PREVIOUSLY
FLAGGED WETLAND

RETAINING WALL
D

24TH ST SE



MATCH LINE 27+00, DWG RD6

◆ - VIABLE TREE

◆ - NON-VIABLE TREE

PLAN

STATION LINE 13+00, DWG RD1

RETAINING WALL A2

PC: 13+16.28

CAR PORT ON CONC. PAD

L=226.653, R=495.310
D=26.2185

91ST AVE SE

15+00

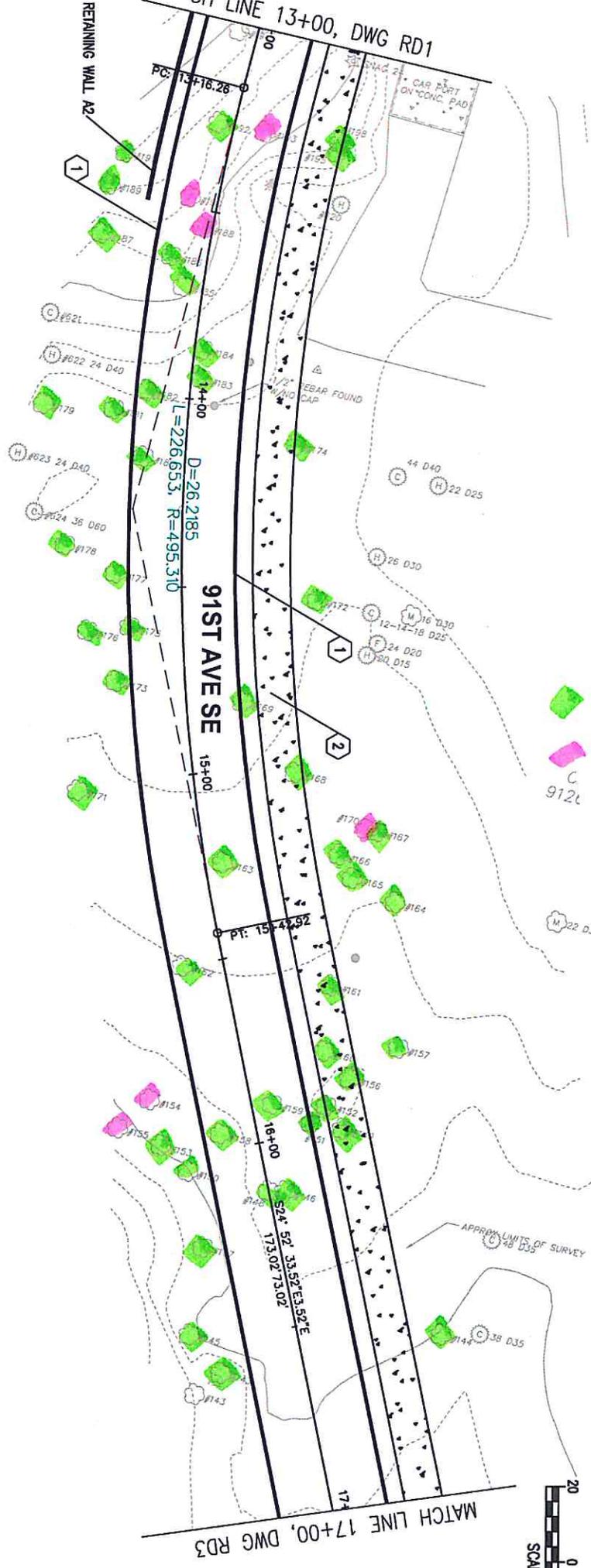
PT: 15+42.92

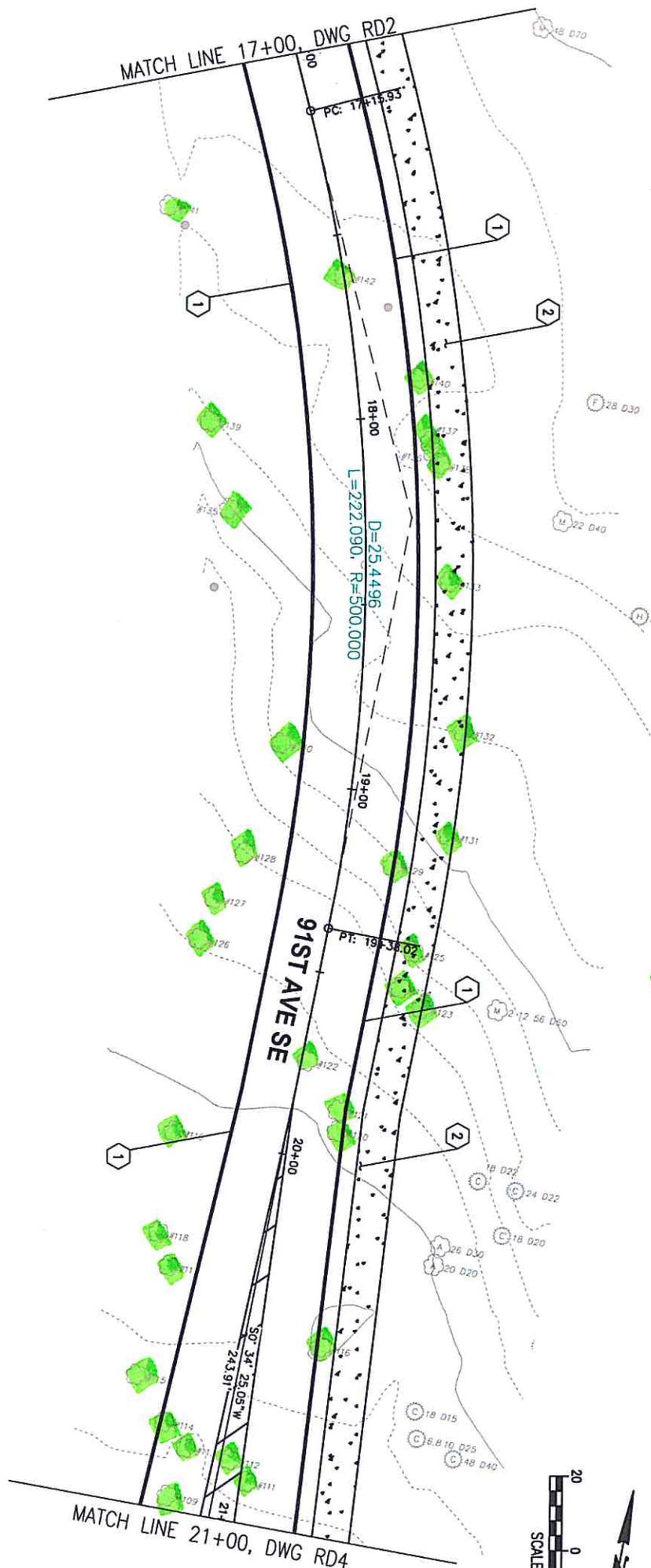
S24° 57' 33.52"E
L=173.0273.02

MATCH LINE 17+00, DWG RD3

 - VIABLE TREE
 - NON-VIABLE TREE

C 912L





 - VIABLE TREE

