

Photo 11. Facing west looking at trees 97 through 100. These are Douglas-fir trees that will likely be impacted by the proposed classroom addition on the west side of the existing school building.



Photo 12. Trees number 101, 102, and 103 from left to right. These black cottonwood trees should not be isolated and if retained should be reassessed by a qualified arborist following development activity.





Photo 13. Showing trees 109 through 113 located in the courtyard. Trees 111, 112, and 113 are under 6 inches DBH and are not considered significant trees. These trees are unlikely to be impacted by the proposed development activity.





AMERICAN FOREST  
MANAGEMENT

**Tree Summary Table**

For: Benjamin Franklin Elementary School

**American Forest Management, Inc.**

Date: 1/15/2020

Inspector: Benjamin Mark, Michael Tomco

Tag #	Common	Genus	DBH (inches)	Credits	Height (feet)	Drip-Line (feet) / Limit of Disturbance (feet)				Condition	Viable	Comments
						N	S	E	W			
1	Black locust	<i>Robinia pseudacacia</i>	21.5,25 (33)	13	35	24	23	10	24	Fair	Yes	Heavy pruning. West LOD is existing rockery wall.
2	Douglas fir	<i>Pseudotsuga menziesii</i>	12	2	29	12	12	12	12 / 12	Good	Yes	Planted hedge row. Located ~7' from the fence line.
3	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	27	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
4	Douglas fir	<i>Pseudotsuga menziesii</i>	8	1	25	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
5	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	26	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
6	Douglas fir	<i>Pseudotsuga menziesii</i>	11	2	28	12	12	12	12 / 12	Good	Yes	Planted hedge row. Located ~7' from the fence line.
7	Douglas fir	<i>Pseudotsuga menziesii</i>	11	2	28	12	12	12	12 / 12	Good	Yes	Planted hedge row. Located ~7' from the fence line.
8	Douglas fir	<i>Pseudotsuga menziesii</i>	9	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
9	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
10	Douglas fir	<i>Pseudotsuga menziesii</i>	12	2	30	12	12	12	12 / 12	Good	Yes	Planted hedge row. Located ~7' from the fence line.
11	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	11	11	11	11 / 11	Good	Yes	Planted hedge row. Located ~7' from the fence line.
12	Douglas fir	<i>Pseudotsuga menziesii</i>	12	2	29	12	12	12	12 / 12	Good	Yes	Planted hedge row. Located ~7' from the fence line.
13	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
14	Douglas fir	<i>Pseudotsuga menziesii</i>	11	2	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
15	Douglas fir	<i>Pseudotsuga menziesii</i>	11	2	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
16	Douglas fir	<i>Pseudotsuga menziesii</i>	9	1	2	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
17	Douglas fir	<i>Pseudotsuga menziesii</i>	53	21	90	21	27	21	28	Good	Yes	Forked top, dead branch hanging in canopy. Building 15' west.
18	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	27	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
19	Douglas fir	<i>Pseudotsuga menziesii</i>	9	1	25	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
20	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
21	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
22	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
23	Douglas fir	<i>Pseudotsuga menziesii</i>	10	1	28	10	10	10	10 / 10	Good	Yes	Planted hedge row. Located ~7' from the fence line.
24	Scoulers willow	<i>Salix scoulerana</i>	6,6,4 (9.4)	1	23	10	10	10	10 / 10	Fair	Yes	
25	Red alder	<i>Alnus rubra</i>	6	1	23	8	8	8	8 / 8	Good	Yes	Blackberry at base, not tagged.
26	Pin oak	<i>Quercus paulustris</i>	8	1	30	14	14	14	14 / 14	Good	Yes	
27	Douglas fir	<i>Pseudotsuga menziesii</i>	42	17	93	18	25	20	21 / 23	Good	Yes	Blown out top with new leader.
28	Douglas fir	<i>Pseudotsuga menziesii</i>	26.5	10	99	18	21	18	21	Good	Yes	
29	Douglas fir	<i>Pseudotsuga menziesii</i>	41	17	130	23	27 / 27	21	33	Good	Yes	
30	Black cottonwood	<i>Populus trichocarpa</i>	28	10	100	18	30	27	30	Good	Yes	Heavy Ivy on trunk, blackberry at base
31	Douglas fir	<i>Douglas fir</i>	41	17	103	30	15	21	21	Good	Yes	Heavy sweep north. Forked leader.
32	Douglas fir	<i>Pseudotsuga menziesii</i>	21.7	7	68	15	21	18	21	Good	Yes	Located on berm.
33	Chestnut	<i>Aesculus hippocastanum</i>	7	1	24	8	14	8	13	Good	Yes	
34	Douglas fir	<i>Pseudotsuga menziesii</i>	26	9	115	15	18	24	16	Good	Yes	
35	Douglas fir	<i>Pseudotsuga menziesii</i>	8	1	45	15	0	6	6	Fair	Yes	
36	Western red cedar	<i>Thuja plicata</i>	17	5	75	10	10	10	8	Fair	Yes	Wound on east side of trunk up to ~15'. Reaction growth present.

37	Douglas fir	<i>Pseudotsuga menziesii</i>	30.5	12	120	21	16	21	16	Good	Yes	Sweep to the north.
38	Douglas fir	<i>Pseudotsuga menziesii</i>	27	10	120	4	15	14	12	Good	Yes	
39	Douglas fir	<i>Pseudotsuga menziesii</i>	9	1	88	8	8	8	8	Fair	Yes	Suppressed.
40	Douglas fir	<i>Pseudotsuga menziesii</i>	12.5	3	78	9	9	9	9	Good	Yes	Sweep to the north.
41	Douglas fir	<i>Pseudotsuga menziesii</i>	19.8	6	89	12	16	15	15	Good	Yes	
42	Douglas fir	<i>Pseudotsuga menziesii</i>	25	9	120	6	20	21	12	Good	Yes	Sweep to the south.
43	Douglas fir	<i>Pseudotsuga menziesii</i>	16.6	5	100	16	5	16	5	Good	Yes	
44	Douglas fir	<i>Pseudotsuga menziesii</i>	18	5	72	16	12	8	10	Good	Yes	Do not isolate. Part of group.
45	Douglas fir	<i>Pseudotsuga menziesii</i>	9	1	68	10	8	15	2	Poor	No	Suppressed leans east.
46	Douglas fir	<i>Pseudotsuga menziesii</i>	6.5	1	55	10	8	15	5	Poor	No	Suppressed.
47	Douglas fir	<i>Pseudotsuga menziesii</i>	12	2	60	2	18	15	10	Fair	Yes	Suppressed.
48	Douglas fir	<i>Pseudotsuga menziesii</i>	19	6	80	15	15	15	15	Poor	No	Nearly dead. Dead branches in canopy. Management recommended.
49	Douglas fir	<i>Pseudotsuga menziesii</i>	34.8	14	118	24	24	24	24	Good	Yes	Corner of stand.
50	Western hemlock	<i>Pseudotsuga menziesii</i>	17.4	5	70	13	15	11	4	Fair	Yes	Edge of stand.
51	Western hemlock	<i>Pseudotsuga menziesii</i>	19.6	6	80	11	18	8	11	Fair	Yes	Co-dominant. Wound at 10'
52	Douglas fir	<i>Pseudotsuga menziesii</i>	26	9	123	9	12 / 14	14	15	Good	Yes	Large surface root to south. Possibly impacted
53	Douglas fir	<i>Pseudotsuga menziesii</i>	34.8	14	128	21	21	18	24	Good	Yes	Located 20' north of building. South LOD is portable structure foundation.
54	Douglas fir	<i>Pseudotsuga menziesii</i>	35.3	14	125	23	21	25	15	Good	Yes	South LOD is portable structure foundation.
55	Douglas fir	<i>Pseudotsuga menziesii</i>	37.3	15	127	18	23	18	18	Good	Yes	4' north of building large root cut to south, 80% LCR. South LOD is portable structure foundation.
56	Chestnut	<i>Castanea spp.</i>	12	2	42	14	18 / 10	15	10	Good	Yes	9' from the corner of building.
57	Douglas fir	<i>Pseudotsuga menziesii</i>	21.5	7	116	15	15	18	14	Good	Yes	
58	Big leaf maple	<i>Acer macrophyllum</i>	10.1	2	39	10	23	18	15	Fair	Yes	Broken top.
59	Black cottonwood	<i>Populus trichocarpa.</i>	29	11	99	15	27	40	24	Fair	Yes	Long over extended branch to the east. If retained, consider managing the crown. Located 21' west of portable 57' north of main school building. Not a good long term tree.
60	Douglas fir	<i>Pseudotsuga menziesii</i>	36	14	100	18	21	21	18	Fair	Yes	Heavy sap flow on east and west sides. Suspect shear crack from base to 20'. Consider management to decrease load on shear crack.
61	Douglas fir	<i>Pseudotsuga menziesii</i>	21.2	7	118	17	17	5	20	Good	Yes	
62	Douglas fir	<i>Pseudotsuga menziesii</i>	30	11	121	15	14	23	5	Good	Yes	
63	Douglas fir	<i>Pseudotsuga menziesii</i>	20.3	7	129	18	13	16	12	Good	Yes	
64	Douglas fir	<i>Pseudotsuga menziesii</i>	27	10	129	10	24	14	20	Good	Yes	
65	Western red cedar	<i>Thuja plicata</i>	22.2	8	65	12	12	12	11	Good	Yes	Codominant trunks.
66	Black cottonwood	<i>Populus trichocarpa</i>	26.9	10	127	18	35	21	20	Fair	Yes	Long lateral limbs. Not a good long term tree.
67	Cherry	<i>Prunus spp..</i>	5	0.5	28	5	7	7	7	Fair	Yes	
68	Birch	<i>Betula papyrifera</i>	6	1	34	9	10	7	8	Fair	Yes	Dead top. Likely bronze birch borer activity.
69	Douglas fir	<i>Pseudotsuga menziesii</i>	33.3	13	135	22	21 / 19	21 / 19	20	Good	Yes	
70	Black cottonwood	<i>Populus trichocarpa</i>	13.6	3	75	11	10	10	15	Fair	Yes	Leans south. Low retention value. If retained, consider management.
71	Black cottonwood	<i>Populus trichocarpa</i>	9.2	1	50	5	5	5	5	Poor	No	Leans south.
72	Douglas fir	<i>Pseudotsuga menziesii</i>	6.5	1	48	4	12	5	7	Fair	Yes	Suppressed.
73	Western hemlock	<i>Tsuga heterophylla</i>	24.6	9	91	9	15	17	8	Poor	No	Possible mistletoe in canopy. Kink in stem at 50'.
74	Douglas fir	<i>Pseudotsuga menziesii</i>	33	13	130	24	26	26	20	Good	Yes	
75	Douglas fir	<i>Pseudotsuga menziesii</i>	23	8	128	21	18	18	17	Good	Yes	
76	Douglas fir	<i>Pseudotsuga menziesii</i>	26	9	130	18	18	20	16	Good	Yes	
77	Douglas fir	<i>Pseudotsuga menziesii</i>	10.8	2	46	12	12	13	11	Fair	Yes	Suppressed.
78	Douglas fir	<i>Pseudotsuga menziesii</i>	34.8	14	128	15	27	18	25	Good	Yes	
79	Douglas fir	<i>Pseudotsuga menziesii</i>	30.2	12	125	10	21	21	18	Good	Yes	
80	Douglas fir	<i>Pseudotsuga menziesii</i>	26.2	10	119	15	10	20	11	Good	Yes	
81	Douglas fir	<i>Pseudotsuga menziesii</i>	32	12	131	18	21	18	28	Good	Yes	
82	Douglas fir	<i>Pseudotsuga menziesii</i>	17.2	5	60	20	10	12	5	Good	Yes	

83	Douglas fir	<i>Pseudotsuga menziesii</i>	13	3	60	20	10	18	6	Good	Yes	
84	Big leaf maple	<i>Acer macrophyllum</i>	31.3	12	65	24	20	27	25	Good	Yes	3 Codominant stems. Broken top. Narrow unions.
85	Douglas fir	<i>Pseudotsuga menziesii</i>	40.5	17	125	13	21	17	22	Good	Yes	Dominant tree.
86	Western red cedar	<i>Thuja plicata</i>	40	16	68	15	18	15	22	Good	Yes	Wounds on north and west at ~10 feet with visible internal decay. Good reaction growth.
87	Douglas fir	<i>Pseudotsuga menziesii</i>	19.5	6	80	20	10	21	20	Fair	Yes	Leans north.
88	Douglas fir	<i>Pseudotsuga menziesii</i>	34.1	14	123	16	21	15	15	Good	Yes	Shear crack on west up to 16'. Old shear crack on east up to 10'.
89	Western red cedar	<i>Thuja plicata</i>	27	10	52	17	18	14	15	Good	Yes	Located at base of tree 88.
90	Douglas fir	<i>Pseudotsuga menziesii</i>	29	11	121	21	18	13	24	Good	Yes	Normal vigor.
91	Douglas fir	<i>Pseudotsuga menziesii</i>	33.8	13	110	13	24	21	18	Good	Yes	Shared canopy. Normal vigor.
92	Douglas fir	<i>Pseudotsuga menziesii</i>	31.5	12	110	21	27	12	27	Good	Yes	Shared canopy. Normal vigor.
93	Douglas fir	<i>Pseudotsuga menziesii</i>	37.2	15	84	21	24 / 22	30 / 22	27	Good	Yes	Shared canopy. Normal vigor. Blown out top.
94	Douglas fir	<i>Pseudotsuga menziesii</i>	45.7	19	110	27	33 / 26	30 / 26	24	Good	Yes	Shared canopy. Normal vigor.
95	Pacific Dogwood	<i>Cornus nutallii</i>	6.4	1	20	6	10	13	15	Fair	No	Located at base of tree 92.
96	Douglas fir	<i>Pseudotsuga menziesii</i>	38.1	16	126	24	21	24	24	Good	Yes	Normal vigor. Old shear crack on east and west side of trunk.
97	Douglas fir	<i>Pseudotsuga menziesii</i>	36.1	15	111	19	24	6	27	Good	Yes	Sweep to north. Normal vigor.
98	Douglas fir	<i>Pseudotsuga menziesii</i>	32.7	13	110	12	24 / 18	24 / 18	24	Good	Yes	Normal vigor. 54' to school.
99	Douglas fir	<i>Pseudotsuga menziesii</i>	28.1	11	100	18	24 / 16	21 / 16	12	Good	Yes	Old shear crack on the west.
100	Douglas fir	<i>Pseudotsuga menziesii</i>	29.6	11	98	18	21	27	10	Good	Yes	Old shear crack on the east. 57' to school.
101	Black cottonwood	<i>Populus trichocarpa</i>	27.3	10	95	15	16	10	15	Fair	Yes	Old branch blowouts, suppressed by neighboring conifers. Reassess following development activity. Do not isolate.
102	Black cottonwood	<i>Populus trichocarpa</i>	21.5	7	95	15	27	20	10	Fair	Yes	Strong sweep to north. Reassess following development activity. Do not isolate.
103	Black cottonwood	<i>Populus trichocarpa</i>	16.1	5	80	16	16	18	12	Fair	Yes	Suppressed by neighboring conifers. Reassess following development activity. Do not isolate.
104	Douglas fir	<i>Pseudotsuga menziesii</i>	34.5	14	127	25	10	12	27	Good	Yes	Normal vigor. Normal LCR.
105	Western hemlock	<i>Tsuga heterophylla</i>	15.2	4	50	12	12	12	3	Poor	No	Nearly dead. Remove or snag.
106	Douglas fir	<i>Pseudotsuga menziesii</i>	14.4	4	47	13	13	13	13	Good	Yes	Slight sweep to south.
107	Douglas-fir	<i>Pseudotsuga menziesii</i>	11.2	2	38	10	10	10	10	Good	Yes	
108	Pacific Dogwood	<i>Cornus nutallii</i>	7.3	1	21	10	10	10	10	Fair	Yes	Slight lean to south.
109	Japanese maple	<i>Acer palmatum</i>	6.6	1	15	10	9	8	8	Good	Yes	Below the union = 6.8.
110	Japanese maple	<i>Acer palmatum</i>	6.5	1	15	10	9	8	8	Good	Yes	Below the union = 6.8.
111	Japanese maple	<i>Acer palmatum</i>	3.7	0.5	15	8	6	6	6	Good	Yes	Below the union = 5. Not significant.
112	Japanese maple	<i>Acer palmatum</i>	5.9	0.5	15	10	9	8	8	Good	Yes	Below the union = 7.6 Not significant.
113	Japanese maple	<i>Acer palmatum</i>	5	0.5	15	10	9	8	8	Good	Yes	Below the union = 5. Not significant.
			Total Tree Credits	765								







