Tree Assessment

Site: , Lot 1, Forest Ave , Mercer Island WA **Date:1/25/2021(rev 6/14/2022)**

Tree #	Species Common	Species *Scientific*	DBH (inches)	Height (feet)	Crown Ratio (%)	Dripline N	Dripline S	Dripline E	Dripline W	LOD/Critical Inner Root Zone	Vigor Health	Vigor Structure	Viable Yes/No	Status	Replacement No.	Retain Remove	Defects/Comments
On Site																	
1001	Bigleaf maple	*Acer macrophyllum*	62.5	110	80	32	40	35	41	19	Good	Good	Yes	Exceptional	6	Remove	Oversize, overmature, not a good retention candidate
1003	Douglas-fir	*Psuedotsuga menziesii*	19.2	110	80	16	12	16	8	7	Good	Good	Yes			Retain	Ivy
1004	Douglas-fir	*Psuedotsuga menziesii*	33.5	125	90	26	20	12	26	11	Good	Good	Yes	Exceptional		Remove	Ivy
1005	Douglas-fir	*Psuedotsuga menziesii*	41.2	130	60	24	24	28	20	12	Good	Good	Yes	Exceptional		Retain	
1006	Western hemlock	*Tsuga heterophylla*	24.2	120	90	14	16	18	14	8	Good	Fair	Yes	Exceptional		Retain	Perched on old stump
													Replacement Trees		**6**		
Native Growth Protection Area																	
130	W. red cedar	Thuja plicata	12.8	55	90	14	14	14	14	7	Good	Good	Yes	Large		Retain	
131	Western hemlock	Tsuga heterophylla	20.8	90	80	12	18	16	14	8	Good	Good	Yes	Large		Retain	
132	W. red cedar	Thuja plicata	24.4	98	80	16	24	12	19	9	Good	Fair	Yes	Large		Retain	3 codominants, included bark
133	Bigleaf maple	Acer macrophyllum	39.5	70	70	24	24	24	24	12	Poor	Poor	No	NA		Retain	Black cinder fungus, residence w/in height
134	Red alder	Alnus rubrum	13.2	60	80	25	14	16	16	9	Good	Poor	No	NA		Retain	Undermined by creek
135	Bigleaf maple	Acer macrophyllum	10.9	45	60	18	18	18	18	9	Good	Poor	No	NA		Retain	Perched over creek
137	Bigleaf maple	Acer macrophyllum	7.5	50	50	6	0	18	0	3	Good	Good	Yes	Small		Retain	
1002	W. red cedar	*Thuja plicata*	38.2	110	70	12	14	10	12	6	Good	Fair	Yes	Exceptional		Retain	Heartwood decay to 12-feet
			* multiple stems adjusted to single														