SYNOPSIS

Tree Solutions, Inc. Arborist Report (Full Report also available for viewing)

June, 2017

Katherine Taylor, an ISA Certified Arborist and Qualified Tree Risk Assessor from Tree Solutions Inc., visited Vista Estates on June 23, 2017. She did in-depth on-site tree evaluations on seven of our properties, and distance visual inspection of the other properties.

<u>Most likely problems causing decline of health of Douglas Fir trees within the community are:</u>

Drought (specifically summer of 2015, drought of 2017 had not yet started)
Wood-boring beetles sited (two varieties noted) which attack weakened trees
Trees are planted very close together (originally intended for commercial harvest purposes)
Trees are all of the same species (likely a quick-growing variety, intended for fast harvest)
Competition from invasive plants

<u>Suggested solutions:</u>

remove invasive plants (blackberry, English ivy, holly) on a regular basis
(Note that ivy on trees is particularly important to remove)
Improve conditions (summer watering 1-3 times a month, thinning, mulching edges of forested areas)
Removal, or creation of habitat snags, of dead or dying trees (remove trees from August – March)
Beetle trapping and/or repelling
Replanting

<u>Suggested plants for replanting:</u>

Western Red Cedar	Thuja plicata	trees
Western Hemlock	Tsuga heterophylla	trees
Grand and Noble Fir	Abies grandis & Abies procera	trees
Bigleaf Maple	Acer macrophyllum	trees
Red Alder	Alnus rubra	trees
Cascara	Phamnus purshiana	trees

<u>Additional plants for replanting—not a comprehensive list</u>
<u>(not recommended by arborist report, but known to do well in Vista Estates:</u>

Madrona	Arbutus menziesii	trees and shrubs
Maple (all types)	Acer (all types)	trees and shrubs
Incense Cedar	Calocedrus decurrens	trees
Leyland Cypress	x Cupressocyparis leylandii	trees
Pine (all types)	Pinus (all types)	trees and shrubs
Spruce (all types)	Picea (all types	trees and shrubs
Hiba Arborvitae	Thujopsis dolabrata	trees
Douglas Fir	Pseudotsuga menziesii	Tree (still be risky due to beetle)