



LAYTON TREE CONSULTING, LLC

TREE STUDY REPORT

Arlington 360 Project
Arlington, WA

Snohomish County Parcels
3105120040-0100, -0200, -0400, -0500, -1000, -2300 and
3105130010-0200 and -0300



Report Prepared by:

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Registered Consulting Arborist #670

Certified Arborist #PN-2714A

June 13, 2023

It's all about trees.....

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Attachments

Photos, pages 5 - 9

Vicinity Map – Aerial

Forest Type Maps
 North Map
 South Map

Assignment

Layton Tree Consulting, LLC was asked to compile a Tree Study Report for a potential large residential development project in Arlington, WA. The assignment is to report on the species composition, stocking levels, age and the condition of trees existing on the property.

Date of Field Examination: June 12, 2023

Description

The study area includes eight contiguous parcels totaling +/- 209 acres. See the attached vicinity map. The property is predominantly vacant, comprised of native forest. Much of the property has been timber harvested or logged over within the last 30 years.

There are a few residential homesites on the north side of the project area off of Tveit Road. There is a powerline easement along the west perimeter of the property.

Forest cover types have been delineated on the attached maps. Types have been delineated based on age and species composition.

Forest Type Descriptions

Type 1 – Young stand of red alder and black cottonwood, roughly 30 years of age. Approximately 60 acres in size. Tree diameters range between 6 and 12-inches with heights of 50 to 80-feet. Well stocked, estimate of 350 trees per acre. Trees are mainly of non-merchantable size. Minor component of scattered residual trees (Douglas fir, bigleaf maple and Western red cedar) left during the last timber harvest. Brush density moderate.

Type 2 – Low-stocked area of scattered bigleaf maple, black cottonwood and Pacific willow, estimate of 30 trees per acre. Approximately seven acres in size. Trees estimated at 50 to 60 years of age. Tree diameters range between 8 and 20-inches with heights of 50 to 90-feet. Maple is in fair to poor condition. There is noteworthy dieback of upper crown components. Brush density high.

Type 3 – Logged over type, planted to Douglas fir 10 to 15 years ago. Planted trees are moderately stocked at +/- 200 trees per acre. Moderate component of widely scattered older native hardwoods – bigleaf maple, red alder and black cottonwood. Estimate of 50 trees per acre. Older hardwoods are 50 to 60 years of age. Tree diameters range between 12 and 24-inches with heights of 70 to 100-feet. Maple is in fair to poor condition. There is noteworthy dieback of upper crown components. Alder is mature and in varying stages of natural decline. Brush density high. Type is approximately 20 acres in size.

Type 4 – Residual stands of mixed species forest that include Western red cedar, Western hemlock, bigleaf maple, Douglas fir, red alder, black cottonwood; and a minor component of Sitka spruce. Approximately 45 acres in size. Trees are of an older age class, estimated at 80 to 90 years of age. Moderately stocked, estimate of 200 trees per acre. Tree diameters range between 16 and 30-inches with heights of 70 to 120-feet. Forest health is good. Some of the hemlock is in decline from past summers' drought conditions. No evidence of any root disease issues was observed. Brush density is moderate.

Type 5 – Young stand of +/- 15-year-old Douglas fir. Approximately 30 acres in size. Tree diameters range between 3 and 5-inches with heights of 20 to 30-feet. There is also significant natural regeneration of red

Arborist Report – Arlington 360 Project

alder, bitter cherry and black cottonwood. Well stocked, estimate of 300 trees per acre. Trees are of non-merchantable size. Brush density moderate.

Type 6 – Grasses, open field, approximately 15 acres in size

Type 7 – Residential areas, landscaped, widely scattered native trees, similar to Type 4 tree.

Type 8 – powerline easement

Understory vegetation is common and comprised primarily of native swordfern, salmonberry, vine maple, Indian plum and red huckleberry. There are some minor infestations of invasive Himalayan blackberry and English ivy scattered around the property/study area.

Photo Documentation

Type 1, north side of study area



Type 1, south side of study area



Type 2



Type 3



Type 4



Type 4



Type 5



Type 5



Type 6 open field

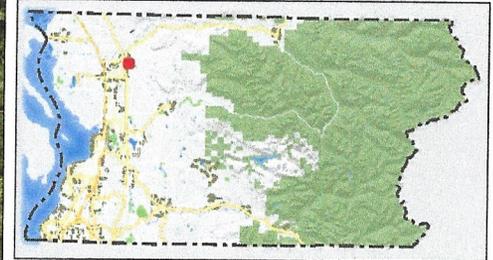
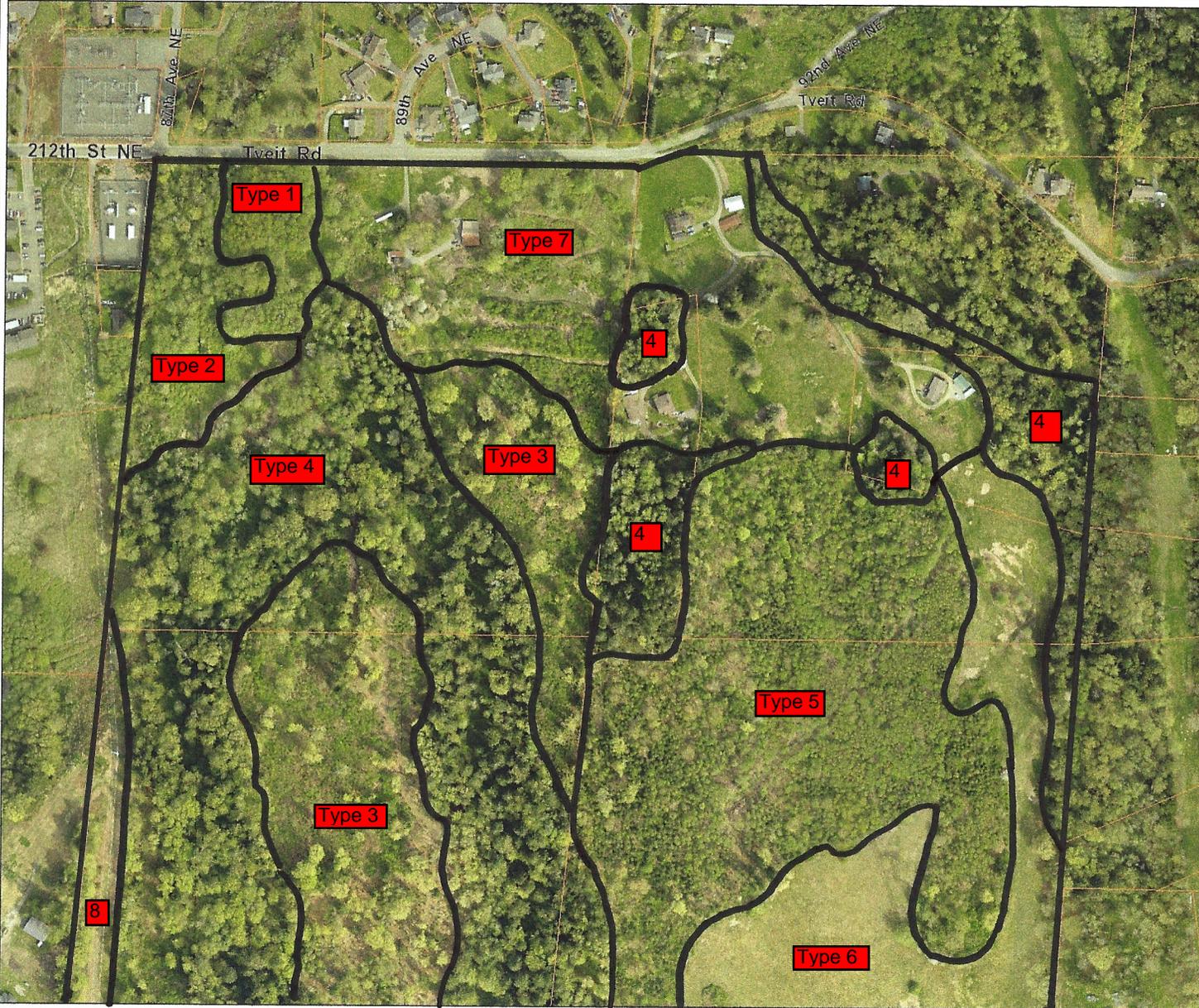


Type 6, Type 5 in background



Vicinity Map - Arlington 360 Project





Legend

-  Parcel
-  Recent Sales 2023
-  Recent Sales 2022
-  Recent Sales 2021
-  City Boundary
-  County Park
-  National Forest
-  Water

Street Types

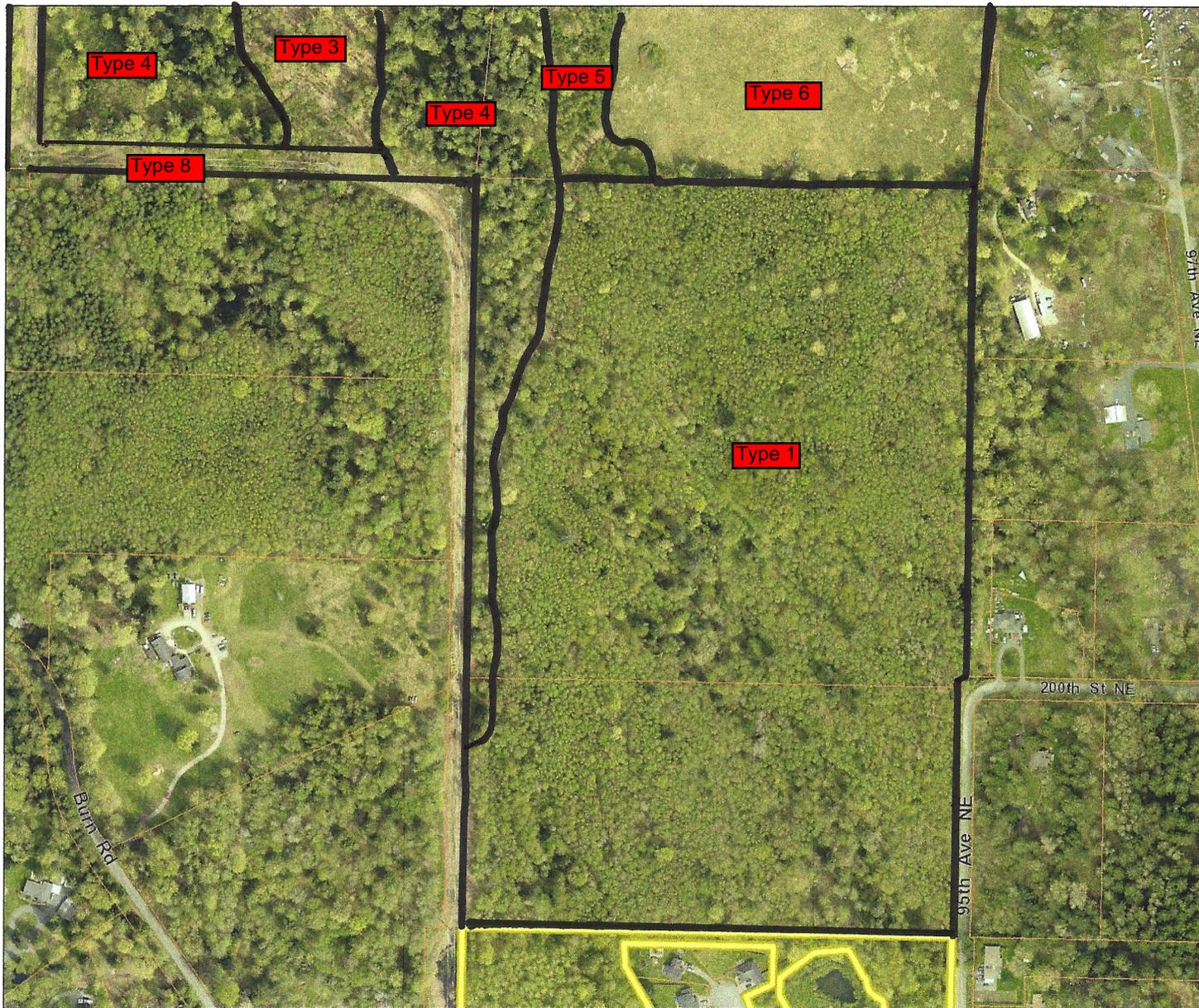
-  Interstate
-  State Route
-  Local Road

0 450 900 Feet

6/7/2023



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