SUF

SOUND URBAN FORESTRY, LLC
Appraisals, Planning, Urban Landscape Design and Management

Oak Springs Residential Development

Tree Plan

Prepared for: Hatton Godat Pantier
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Introduction

Upon the request of Hatton Godat Pantier, I have conducted a site visit of the proposed Oak Springs residential development within Thurston County. The purpose of the visit was to gather field data on the existing trees and associated vegetation within the parcels. This report presents that information in order to fulfill the County's Forest Land Conversion Ordinance Chapter 17.25.

I. Site Description

The 20.02-acre evaluated site consists of 1 tax parcel: #11825240000. The area is currently a mixture of an existing homestead and associated pasture and undeveloped forest land.

II. Trees and Associated Vegetation

As mentioned, the site is a mixture of different vegetation types which I have divided into 4 groups: Types 1, 2, 3 and 4 (please reference Appendix 1). They are described as follows:

Type 1:

This is a small section of the SW corner of the property. It is dominated by Douglas fir with a few scattered Oregon white oaks. The firs have a diameter range 4-36" and are in good condition. The oaks range 6-26" and are in fair condition.

Type 2:

This is another small section in the SW corner, just to the north of Type 1. It is dominated by 2-38" diameter Oregon white oaks and 2-36" diameter Douglas fir with scattered 2-38" bigleaf maple and 6-18" pacific madrone. All of the trees are in good condition with the exception of the madrone which are fair.

Type 3:

This type follows the southern perimeter and is the location of the original homestead and associated structures and pasture. It is dominated by Oregon white oak with open grass and scotch broom. The oaks have a diameter range of 6-82" and are in good condition.

Type 4:

This type covers the largest portion of the property and is the most diverse. It is dominated by Douglas fir (2-26") but also includes bigleaf maple (4-42"), western red cedar (4-20"), pacific madrone (2-34") and Oregon white oak (4-14"). The trees are in good condition.

III. Tree Tract

As stated in the County ordinance, this proposed land development is required to designate a tree tract or tracts that cover 5% of the total site. This project will fulfill this requirement with Tract "B". This tract includes a congregation of Oregon white oak.

Required 5% Tree Tract (.05 x 20.02 acres) = 1.00 acres
Proposed Tree Tract "B" = 1.19 acres

IV. Tree Retention

Trees that are proposed for retention are located within Tract "B". Efforts will also be taken to preserve a group of oaks along the southern perimeter of Tract "A". A 100% inventory was taken of oaks within both of these Tracts. In order to determine the number of other tree species to be retained within Tract "B", tree counts were conducted from several 50'x50' sample plots.

The County requires the retention of one tree (>6") for every four thousand square feet of lot area.

Required Tree Retention for 555,825 square feet = 139 trees

Oregon White Oaks Retained in Tract "B" = 80 trees
Other Species Retained in Tract "B" = 81 trees
Oregon White Oakes Retained in Tract "A" = 28 trees
Total Retained Trees = 189

V. Tree Protection

I recommend that all trees that are to be retained be protected with fencing. This fencing should follow the perimeter of Tract "B" and the driplines of the oaks within Tract "A".

Professionally submitted,

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Appendix 1. Vegetation Types within Oak Springs