

SUF

SOUND URBAN FORESTRY

Appraisals, Planning, Urban Landscape Design and Management

Dockside Flats

210 State Avenue NW
Olympia, WA 98501

Off-Site Tree Protection Report

Prepared for: Walker John, Urban Olympia V, LLC

Thomas Architecture Studios
Josh Gobel

Prepared by: Kevin M. McFarland, SUF
Consulting Forester/Certified Arborist

Date: 2/7/18

Introduction

The following information presents the findings of my recent visit at the site of the proposed Dockside Flats at 210 State Ave. NW. The purpose of this report is to fulfill the City of Olympia's urban forestry requirements as stated in a Presubmission Conference Worksheet dated April 11, 2017. As stated by Michelle Bentley, since this property currently contains no trees, this modified Level IV report will provide the following:

- A description of off-site trees that may be impacted by the project.
- Recommended tree protection measures and sequence.
- Tree density requirements.

I. Inventory of Trees Adjacent to Parcel

There are currently 2 street trees along Columbia and 4 street trees along State Street, please see the included scan of the landscape plan. There are 3 trees to the west of the project, between the current building and the boardwalk.

Table 1. Inventory of Trees

Tree ID#	Species	Trunk Diameter (inches)	Condition	Comments
*1	Hedge Maple	8	Good	
*2	Hedge Maple	8	Poor	Sunscald along west side of stem.
*3	Linden	11	Fair	Within 4x4 cutout, under power lines.
*4	Norwegian Sunset Maple	17	Fair	Within 4x4 cutout, under power lines.
*5	Linden	13	Fair	Within 4x4 cutout, under power lines.
*6	Linden	13	Fair	Within 4x4 cutout, under power lines.
7	Flowering Pear	4	Good	Within mulched bed.
8	Flowering Pear	5	Good	Within mulched bed.
9	Flowering Pear	6	Good	Within mulched bed.

***To be Removed**

II. Tree Protection Measures

Due to the nature of the site, typical tree protection that follows the critical root zones is not possible with this project.

- Trees #1-6 are to be removed so no fencing will be required.
- Fencing for Trees #7-9 will follow the eastern perimeter of the mulched bed in which they're located.
- Fencing shall comply with City of Olympia standards (see included detail)
- Fencing shall be installed and inspected by myself prior to *any* site work.
- Absolutely no equipment or materials will be allowed within the fencing during the entire time of construction.
- The fencing will remain in place throughout the site development and until final inspection by me or the City of Olympia.

III. Tree Density Requirements

Minimum tree density (.36-acres buildable area x 30 units per acre) = 11 Tree Units

Number of trees to be planted on-site = 1

Deficiency of trees planted on-site = 10.5 Units

Number of trees to be planted off-site = 0

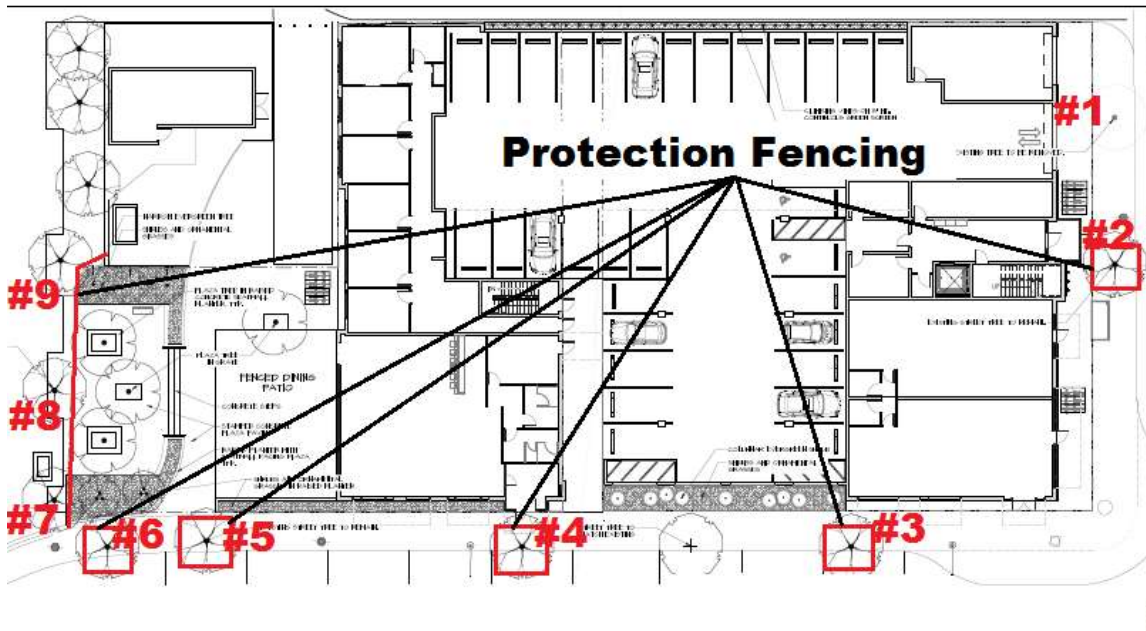
Number of trees to be planted by fee-in-lieu = 10.5

Professionally Submitted,

A handwritten signature in black ink that reads "Kevin M. McFarland". The signature is written in a cursive, flowing style.

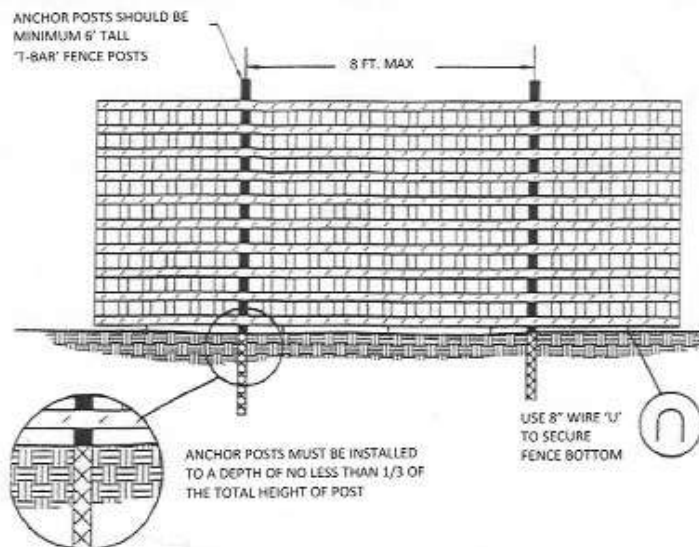
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Tree Location and Protection Fencing Map





TREE, SOIL & VEGETATION PROTECTION FENCE DETAIL



Temporary Chain-Link on Driven Posts

THE TREE, SOIL & VEGETATION PROTECTION FENCE SHOULD BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND GRADING, AND NOT TO BE REMOVED UNTIL FINAL LANDSCAPING IS IN PROGRESS. AT NO TIME SHALL EQUIPMENT ENTER INTO THE CRITICAL ROOT ZONE (CRZ). ALL BRUSH CLEANUP WITHIN THE CRZ SHOULD BE COMPLETED BY HAND TO PREVENT DISTURBANCE OF NATIVE GROUND COVERS. NO CUTS OR FILLS, UTILITY TRENCHING, MODIFICATIONS TO DRAINAGE, OR CONCRETE RISE WATER SHOULD IMPACT THE CRZ. NO WIRES, CABLES, OR OTHER DEVICES SHOULD BE ATTACHED TO PROTECTED TREES DURING CONSTRUCTION.

IF IMPACTS MUST OCCUR WITHIN THE CRZ, CONTACT PROJECT FORESTER PRIOR TO THE OPERATIONS TO DETERMINE THE PROPER PROCEDURE TO PROTECT THE TREE'S HEALTH.

This form has been approved for use by the Olympia Community Planning and Development (CPD) Department.

Keith Stahley, Director,
Community Planning and Development

12/1/2016
Date