

SUF

SOUND URBAN FORESTRY

Appraisals, Planning, Urban Landscape Design and Management

Roosevelt Elementary School

1417 San Francisco Ave. NE

Olympia, WA 98506

Level II Tree Plan

Prepared for: MSGS Architects, Garner Miller

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

Date: 1/2/16

Introduction

The following information is a summary of my recent site visit at Roosevelt Elementary School at 1417 San Francisco Ave NE. The purpose of the visit was to conduct an inventory of all trees within the parcel, determine the trees to be removed as part of the proposed redevelopment, determine the impacts, if any, to off-site trees and identify any needs for tree protection. This information will fulfill the requirements of a Level II Tree Plan as specified by the Olympia Tree Protection and Replacement Ordinance (OMC 16.60) pursuant to the City of Olympia Development Guidelines and Public Works Standards.

I. Site Description

The 6.43-acre site is described as tax parcel #73201400100. It was previously developed and includes the buildings, parking and play areas associated with the school.

II. Inventory of Trees

A 100% inventory of the trees within the site was taken on November 8, 2016. Except for some of the trees near the proposed improvements, the trees within the parcel have not been surveyed so I have included an aerial indicating their locations. The following table presents my findings.

Table 1. Inventory of Trees within the Parcel

Tree ID #	Species	Trunk Diameter (inches)	Condition	Tree Units
1	Linden	12	Good	1.5
2	Linden	15	Good	2
3	Linden	14	Good	2
4	Linden	16	Good	3
5	Linden	16	Good	3
6	Norway Maple	14	Good	2
7	Kousa Dogwood	2	Good	1
8	Kousa Dogwood	2	Good	1
9	Vine Maple	4	Good	1
10	Vine Maple	4	Good	1
11	Flowering Pear	5	Fair	1
12	Flowering Pear	9	Fair	1.5
13	Flowering Pear	10	Fair	1.5
14	Flowering Pear	10	Fair	1.5
15	Flowering Pear	5	Good	1
16	Flowering Pear	8	Good	1.5
17	Flowering Pear	10	Good	1.5
18	Flowering Pear	9	Good	1.5
19	Flowering Pear	6	Good	1.5
20	Flowering Pear	6	Good	1.5
21	Flowering Pear	6	Good	1.5
22	Flowering Pear	8	Good	1.5
23	Linden	16	Good	3
24	Linden	14	Good	2
25	Linden	14	Good	2
26-31	Vine Maple	4-6	Fair	6
32	Vine Maple	6	Fair	1
33	Vine Maple	6	Fair	1
34	Red Maple	6	Poor	1
35	Linden	12	Good	1.5
36	Linden	12	Fair	1.5
37	Linden	12	Good	1.5
38	Linden	16	Fair	3
39	Linden	14	Good	2

Tree ID #	Species	Trunk Diameter (inches)	Condition	Tree Units
40	Linden	16	Good	3
41	Douglas Fir	14	Good	2
42	Linden	10	Fair	1.5
43	Linden	8	Fair	1.5
44	Red Maple	7	Poor	1.5
45	Red Maple	10	Fair	1.5
46	Red Maple	5	Fair	1
47	Red Maple	8	Good	1.5
48	Red Maple	7	Good	1.5
49	Red Maple	5	Fair	1
50	Red Maple	11	Good	1.5
51	Linden	12	Good	1.5
52	Linden	14	Good	2
53	Linden	16	Good	3
*54	Linden	16	Good	3
55	Linden	15	Good	2
56	Linden	16	Good	3
57	Linden	17	Good	3
58	Linden	17	Good	3
59	Plum	3	Fair	1
60	Plum	4	Poor	1
61	Plum	4	Poor	1
*62	Linden	8	Good	1.5
63	Plum	5	Poor	1
64	Plum	5	Fair	1
65	Plum	3	Poor	1
*66	Plum	5	Fair	1
67	Plum	10	Fair	1.5
68	Bird Cherry	4	Good	1
69	Plum	7	Fair	1.5
70	Plum	14	Fair	2
71	Plum	16	Fair	3
72	Linden	16	Good	3
73	Linden	16	Good	3
74	Linden	16	Good	3
75	Linden	18	Good	4
76	Leyland Cypress	7	Fair	1.5
77	Leyland Cypress	12	Good	1.5
78	Leyland Cypress	8	Fair	1.5
79	Incense Cedar	10	Fair	1.5
80	Red Maple	18	Good	4
81	Norway Maple	14	Good	2
82	Red Maple	18	Good	4
83	Red Maple	20	Good	5
84	Siberian Elm	10	Poor	1.5
85	Linden	16	Fair	3
86	Linden	16	Fair	3
87	Linden	12	Good	1.5
88	Linden	18	Good	4
89	Linden	14	Good	2
90	Linden	12	Good	1.5

Tree ID #	Species	Trunk Diameter (inches)	Condition	Tree Units
91	Linden	10	Fair	1.5
92	Douglas Fir	55	Good	22
93	Port Orford Cedar	35	Fair	12
				Total = 201.5

***To Be Removed**

III. Tree Density Calculations

The Olympia Tree Protection and Replacement Ordinance requires a minimum tree density of 30 tree units per acre. If this requirement is not met through tree preservation, then replacement trees will be planted to meet the minimum tree density. The following summary indicates the tree density required and the density proposed for preservation. Trees #54, #62 and #66 will be removed due to conflict with the proposed 20' fire lane.

Minimum Tree Density Required

Required Units (30 units/acre x 6.43-acres)	193 Units
Tree Units to be Removed (#54, #62 & #66)	5.5 Units
Retained Tree Units (201.5 – 5.5)	196 Units

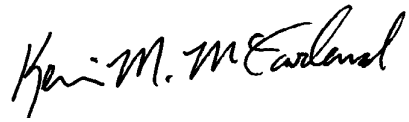
IV. Off-site Trees

I did not identify any off-site trees that may be impacted by this project.

V. Tree Protection

Tree protection fencing will be necessary around trees within the proximity of the proposed improvements. I recommend fencing around Trees #47-53, #55-65 and #67-69. Fencing locations will need to be indicated on the grading plans. Fencing should be in place and approved by the City before any construction activities begin and remain until after final inspection.

Professionally submitted,

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

Kevin M. McFarland, Principal
Consulting Forester
ISA Certified Arborist PN-0373 & ISA Tree Risk Assessment Qualified

Tree Location Map

