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Paul Williams  
NW Engineering

On January 17th I met you to get a map and discuss a consultation for the Oak Tree Station Project at the junction of NW Lake Road and NW Friberg-Strunk St. The main tree concern is the large Oregon White Oak, 45" DBH and 68' tall, near the center of the property. The distances the crown extends from the trunk of this tree are: North 35'; East 22'; South 34'; West 35'. The development work will be on the south and west side of this tree. Oak trees have massive root systems that often go 4'-6'+ deep. They also have shallow roots like most trees. The proposed project includes installation of a paver patio under a portion of the crown of the tree. Protection Guidelines for this tree includes:

1. The Standard Tree Protection Zone (TPZ) for trees to be retained will be no disturbance within 1-foot radius (measured horizontally from the face of the tree) for each inch of tree diameter breast high.
2. No new encroachment should be made within ½ of the distance of the Standard TPZ.
3. TPZ should be staked or install orange construction fence on the side of the tree facing the construction work.
4. Any excavation between the Standard and Minimum TPZ for installation of gravel, sand, and pavers will be limited to 12" in depth.
5. No equipment or material should be stored in the TPZ.
6. If on the ground work changes from original plans, I or another certified Arborist should be contacted to see if changes need to be made to proposed actions and protections.

Following these Protection Guidelines will not cause long term adverse impacts to this large oak tree.

The other trees on the property are all on the back, southeast corner, and will be removed in the construction process. The trees look like they are all natural, and sprouted by themselves without being planted. There are a lot of trees less than 8" in diameter and many in clumps growing very close together. Most are in poor condition and would not develop into a vibrant healthy tree.

3/16			OAK	TREE	STATION	
	TREES	ON SITE				
Tree	SPECIES	DBH	Height	Crown	Other Information	CUT/SAVE
1	Alder	12"	50'	Good		Cut
2	Alder	11"	50'	Good		Cut
3	Cherry	12"	40'	Poor	Forked at 5'	Cut
4	Maple	8"	35'	Poor	Forked at 6' & 8'	Cut
5	Maple	8"	30'	Fair	Forked at 5'	Cut
6	Cherry	8";	40'	Poor	Forked at 2' & 3'	Cut
7	Alder	8"	35'	Poor		Cut
8	Cherry	8"	40'	Fair		Cut
9	Cherry	8"	35'	Fair		Cut
10	Cherry	12"	45'	Good		Cut
11	Alder	9"	35'	Fair		Cut
12	Alder	8"	35'	Poor		Cut
13	Alder	11"	35'	Poor		Cut
14	Alder	12"	45'	Good		Cut
15	Alder	12"	40'	Poor		Cut
16	Alder	9"	35'	Poor		Cut
17	Alder	10"	45'	Fair		Cut
18	Alder	12"	55'	Good		Cut
19	Alder	11"	50'	Good		Cut

There are also some trees that were planted on the sidewalk curb strip on the south side along Lake Road. The information on those trees is:

3/15			OAK	TREE	STATION
	STREET	TREES	FROM	EAST	
Tree	Species	DBH	Height	Crown	Other Information
1	Columnar oak	6"	40'	Good	Taller columnar
2	Columnar oak	6"	35'	Good	Taller columnar
3	Columnar oak	8"	40'	Good	Taller columnar
4	Columnar oak	6"	35'	Good	Taller columnar
5	Ash	7"	25'	Good	Shorter, round crown
6	Ash	7"	25'	Good	Shorter, round crown
7	Ash	8"	25'	Good	Shorter, round crown
8	Ash	7"	20'	Good	Shorter, round crown
9	Columnar oak	3"	20'	Top dead	Columnar, Girdled and dying
10	Columnar oak	4"	25'	Good	Taller columnar

Tree # should be replaced. There are also some trees missing along the curb strip.

Please give me a call if you have any questions.

Thank you for your business.

/s/ Jerry L. Hofer  
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