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February 6, 2023

Tree Consultation Proposal For: McIntosh Property

Site Information: TaxParcel 127449000 3210 NW McIntosh Rd. Camas, WA 98607

Client:

Sam Madison: email: scamalama72@gmail.com

Mett RI

3511 NW McMaster Dr.

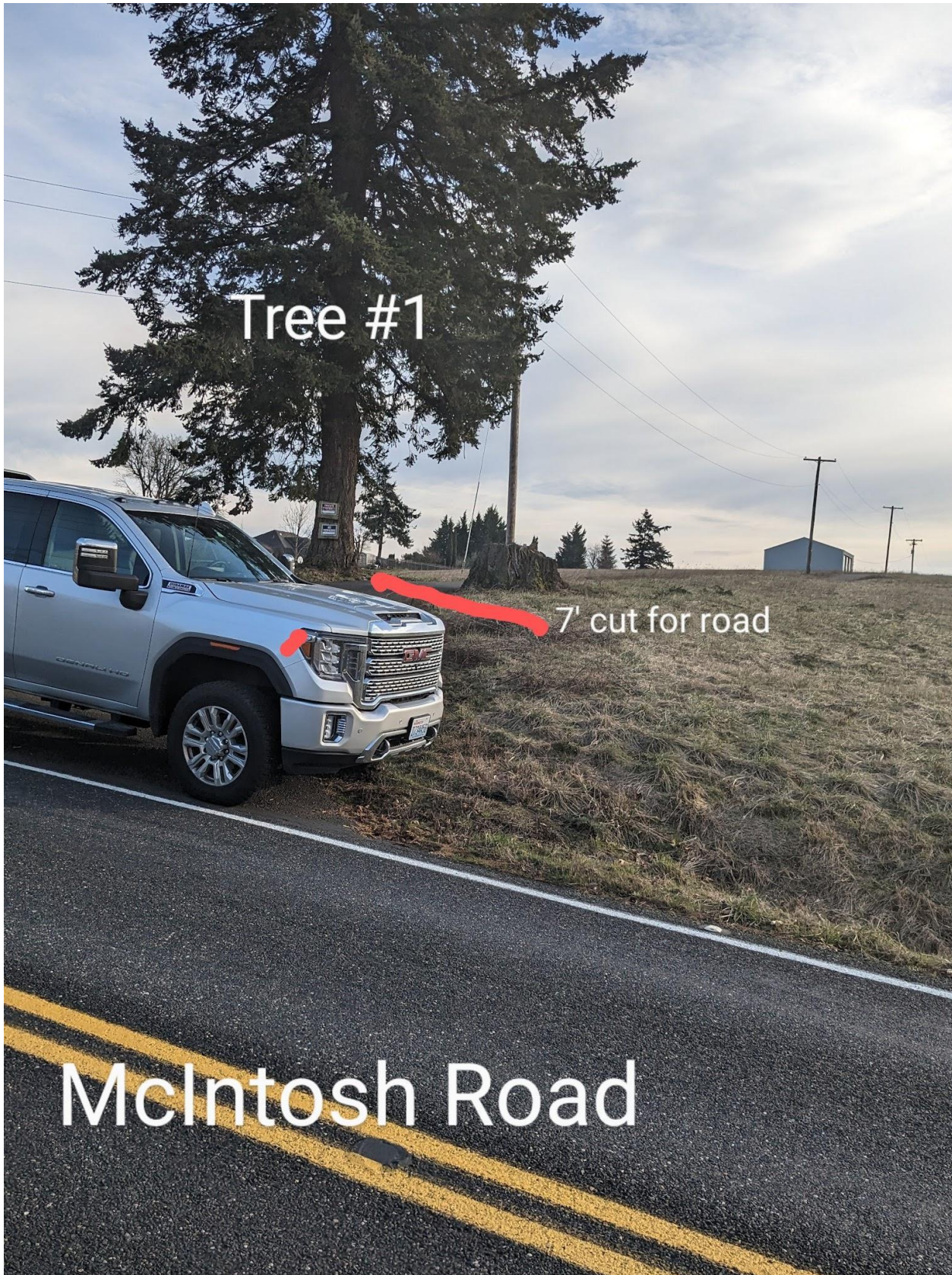
Camas, WA 98606

The attached tree Inventory table lists the trees on and immediately adjacent to this property.

TREE INVENTORY							
PROJECT: McIntosh Subdivision					DATE: 2/6/2023	2pm	PLANNED ACTION
TREE #	SPECIES	DBH	HEIGHT	CONDITION	COMMENTS		
1	DF	37"	90'	Good, but forked 10 & 15 yrs ago	Will need to remove for substantial cut for access road, and hazard from multiple tops, possible safety risk.	Remove	
2	DF	24"	70'	Very Good	Off property Located 2' west of property line near NW corner of lot 7 Limbs hanging 18' over property	Retain	
3	Alder	16"	35'	Good	Will need to be removed for connection to existing 5th Ave involving major cut for road and sidewalks	Remove	
4	Alder	14"	40'	Good	Will need to be removed for connection to existing 5th Ave involving major cut for road and sidewalks	Remove	

TREE #	SPECIES	DBH	HEIGHT	CONDITION	COMMENTS	
5	Alder	13"	35'	Good	Will need to be removed for connection to existing 5th Ave involving major cut for road and sidewalks	Remove
6	DF	17"	55'	Good	Will need to be removed for connection to existing 5th Ave involving major cut for road and sidewalks	Remove
7	DF	44"	80'	Good	Will need to be removed because of major cut to access property and building site.	Remove
8	DF	20"	55'	Good	3' east of property line, about lot #25. Off property. Limbs hanging 18' over property	Retain
9-18	10 Clumps Hazelnut	1" - 3"	8' - 12'	Fair -Good	10 Clumps from 2' - 8' in diameter, with 5-40 stems per Clump. Stems are 1" - 3" in diameter	Retain
					The following trees are just south and on the west end of the southern property line. The pines were planted and the DF and Cedars came in naturally. These trees are off property.	
9	WR Cedar	10"	40'	Good	Natural, off property	
10	WR Cedar	14"	40'	Good	Natural, off property	
11	7 DF	5" - 8"	20'-35'	Good	Natural, off property	
12	17 Pines	8" -12"	30' - 40'	Good	Planted , off property	
					The following trees are just south and on the east end of the southern property line. I believe they are all natural trees. Off property.	
13	5 DF	9" - 14"	35' - 40'	Good	Natural, off property	
14	1 WR Cedar	8"	35'	Good	Natural, off property	

The most significant trees proposed for removal are trees #1 #6 and #7 (see subdivision plan)



Tree #1

7' cut for road

McIntosh Road



Tree #1 is a 37" Douglas fir, 90' tall and located about 40' south of McIntosh Road where the entrance for this subdivision will be built. While the tree looks in good condition, it exhibits some past breakage about 15' from the top. This breakage resulted in several branches growing upward to become new tops. This creates a weak area subject to future breakage, especially from a freezing rain, ice/snow event.

The main access road will go from McIntosh Rd. through this development and join with NW 5th Ave near the SE corner of this subdivision. Where this access road leaves McIntosh Rd, it will be necessary to make a cut and excavate to be able to match the grade of the existing road. The depth of the cut will be below the elevation of the existing road to provide the construction of the base required for the new road. The access road will be located adjacent to the stormwater pond on the west and lot #28 on the east.

The width of the clearing for the new access road starts on McIntosh Rd at about 70' wide to allow for turning and visibility. It will be about 52' wide through the subdivision. The depth of the cut at McIntosh Rd will be about 2' and will increase to about 7' as the road goes up the slope to the south adjacent to tree #1. The cut for the road will be immediately adjacent to tree #1 and remove or impact many of the roots on the west side of the tree. This will have a significant long term adverse impact on this tree. There does not appear to be a viable option for moving the road location while providing the safety, sight distance and slope requirements for construction.

Where the multiple stems start in near the top of tree #1, is a weak area that often times results in breakage occurring with strong winds, and heavy freezing rain or ice/snow events. Because this tree

would be hanging over the subdivision access road, it would be a potential hazardous situation for cars or pedestrians. Given both factors listed above, I recommend that tree #1 be removed. Additional trees will be planted along both sides of the access roads.

Trees #3, #4, #5, #6 and #7 are located where the new access road will join NW 5th Ave. Trees #6 and #7 are shown in the photo below. Trees #3, #4, and #5 are 14"-17" alder located behind tree #6. Because of the cut, 8' - 10' deep, that will be needed to match the elevation of NW 5th Avenue roadway and sidewalks, these trees will need to be removed. The existing sewer line will be removed and reconstructed to make it deeper next to tree #7. This will likely kill the tree making it a hazardous situation for existing houses on adjacent property as well as new houses. Trees #3, #4, & #5 located immediately behind tree #6 will also be removed for this work. There will be new trees planted in the street strip along NW 5th Ave.



There are 10 clumps of hazelnut trees/shrubs on the south side of the property, just north of the property boundary. The clumps range in size from 2' - 8' with 5-40 stems per clump. The height ranges from 8' - 10'. They provide some vegetative and visual diversity, and are planned to be left. See photo below:



If you have any questions or need any clarifications, please give me a call.

/s/ Jerry L. Hofer
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