

SUF

SOUND URBAN FORESTRY, LLC

Appraisals ~ Site Planning ~ Urban Landscape Design and Management
Environmental Education ~ Risk Assessment

2/6/2024

City of Lacey Public Works
Nate Ensley, Civil Engineer, Utilities
420 College St SE
Lacey, WA 98503

RE: Lakeview Meadows Utilities Project Tree Assessment, Case #24-0017

Mr. Ensley:

Upon the request of the City of Lacey, I have conducted an assessment of the trees located along an easement for an upcoming water and sewer line project between 32nd Lane SE and Meadowbrook Lane SE. I was asked to determine whether each tree could be retained or should be removed due to the impacts associated with the necessary trenching. I visited the site and met with you on January 25, 2024 to review the project and my scope.

Assessed Trees

A total of thirteen trees were assessed within and along the easement, see the attached aerial of the site. The information gathered and my recommendations are presented in Table 1. The trees have been marked with an 'X' in white paint.

Table 1. Assessed Trees

ID#	Species	DBH	Condition	Comments	Recommendation
1	Norway Maple	36" (multi-stem)	Fair	Growing next to single-phase power lines. In conflict with both utilities.	Remove tree
2	Douglas Fir	42"	Fair	In conflict with both utilities.	Remove tree
3	Black Cottonwood	42"	Good	In conflict with both utilities.	Remove tree
4	Black Cottonwood	39"	Good	In conflict with both utilities.	Remove tree
5	Black Cottonwood	45"	Fair	In conflict with both utilities.	Remove tree
6	Black Cottonwood	36"	Good	In conflict with both utilities.	Remove tree
7	English Hawthorn	17"	Good	In conflict with both utilities.	Remove tree
8	English Hawthorn	6"	Good	In conflict with both utilities.	Remove tree
9	Apple	6",8",5"	Good	Will require pruning and protection during the project.	Retain tree
10	White Spruce	8"	Fair	In conflict with both utilities.	Remove tree
11	Blue Spruce	3"	Fair	In conflict with both utilities.	Remove tree
12	Dawn Redwood	20"	Good	Will not be impacted by the project.	Retain
13	Douglas Fir	41"	Poor	Co-dominant stems at 20' with 10' of inclusion. Past stem failure at 50'. This tree is close to #1 and the removal of its root wad may damage this tree.	Retain

Board Feet of Trees to be Removed

Tree ID#	Height	Board Feet
1		Non-merchantable
2	135'	2,000
3	150'	2,600
4	130'	2,250
5	140'	2,440
6	120'	1,830
7		Non-merchantable
8		Non-merchantable
10		Non-merchantable
11		Non-merchantable
		Total = 11,120

Comments

It is likely that Tree #9 will require pruning to obtain the needed clearance. This should be performed by a Certified Arborist and done under discretion. No more than 20% of the live canopy should be removed with no stub cuts or tearing. Pruning should go back to a live lateral that measures 1/2 to 1/3 the diameter of the branch section being cut or to the union with the main stem or scaffold branch.

The extraction of the root wad from Tree #1 must be done carefully to avoid damaging the roots of Tree #13. Three quarters of the wad/stump that faces away from #13 can be removed with equipment but the section towards #13 will require a stump grinder.

I can be available to oversee the recommendations with these two trees if requested.

It is my understanding that silt fencing will be installed along both edges of the easement and that no activities will take place outside. This should suffice for protecting #9 and #13. No soil shall be stored within the critical root zones of these trees.

Please contact me should you have any questions.

Sincerely,



Kevin M. McFarland, Principal
Consulting Forester/ISA Certified Arborist PN-0373 & ISA Tree Risk Assessor Qualified
City of Lacey Contracted Tree Protection Professional
Sound Urban Forestry, LLC
P.O. Box 489
Tahuya, WA 98588

Locations of Assessed Trees

