

1710 SW 318PL 44D Federal Way WA. 98023 (206) 779-2579

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RE: 8435 47 PL SE Mercer Island project.

I have personally inspected the information supplied for your project and the trees o site. What is attached is a brief discussion on the trees and proposed construction. A range finder was used to verify and set critical root zones and driplines.

I would like to address the north side of the driveway and possible root system encroachment. It is my professional opinion that encroachment will be within ISA limits. Onsite inspection revealed one 3" diameter root that will need to be cut and will not affect the tree involved. Due to the distance from any trees, it was not possible to identify which tree will be affected.

The length of the slope from high to low (12' + -) is such that the main root bodies do not extend long enough to be majorly impacted by your proposed driveway.

The trimming as discussed with the Landscape Architect will amount to minor trimming of the trees on the south side of the driveway and that would be crown raising, again within ISA limits and will have no ill affects on the trees.

All tree protection measures to be in place before and work is started on your site. The project arborist to be on site for this installation. Arborists to be on site for initial driveway excavation also, this to assure proper root pruning of any found.

Respectfully Submitted

Neal Baker

ArboristsNW.com

ISA Cert. PN1075A

TRAQ ISA (Tree Risk Assessment Qualified)

2/11/22

Member AREA & SOCA

## CITY OF MERCER ISLAND

#### COMMUNITY PLANNING & DEVELOPMENT

9611 SE 36TH STREET | MERCER ISLAND, WA 98040

PHONE: 206.275.7605 | www.mercergov.org



# TREE INVENTORY & REPLACEMENT SUBMITTAL INFORMATION

### **EXCEPTIONAL TREES** Exceptional Trees- means a tree or group of trees that because of its unique historical, ecological or aesthetic value constitutes an important community resource. A tree that is rare or exceptional by virtue of its size, species, condition, cultural/historical importance, age, and/or contribution as part of a tree grove. Trees with a diameter of more than 36 inches, or with a diameter that is equal to or greater than the diameter listed in the Exceptional Tree Table shown in MICC 19.16 under Tree, Exceptional. List the total number of trees for each category and the tree identification numbers from the arborist report. Number of trees 36" or greater List tree numbers: Number of trees 24" or greater (including 36" or greater) List tree numbers: Number of trees from Exceptional Tree Table (MICC 19.16) List tree numbers: **LARGE REGULATED TREES** Large Regulated Trees- means any tree with a diameter of 10 inches or more, and any tree that meets the definition of an Exceptional Tree. Number of Large Regulated Trees on site (A) List tree numbers: Number of Large Regulated Trees on site proposed for removal (B) List tree numbers: Percentage of trees to be retained ((A-B)/Ax100) note: must be at least 30% **RIGHT OF WAY TREES** <u>Right of Way Trees</u>- means a tree that is located in the street right of way adjacent to the project property. Number of Large Regulated Trees in right of way List tree numbers:

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Number of Large Regulated Trees in right of way proposed for removal

List tree numbers:	
Reason for removal:	
•	

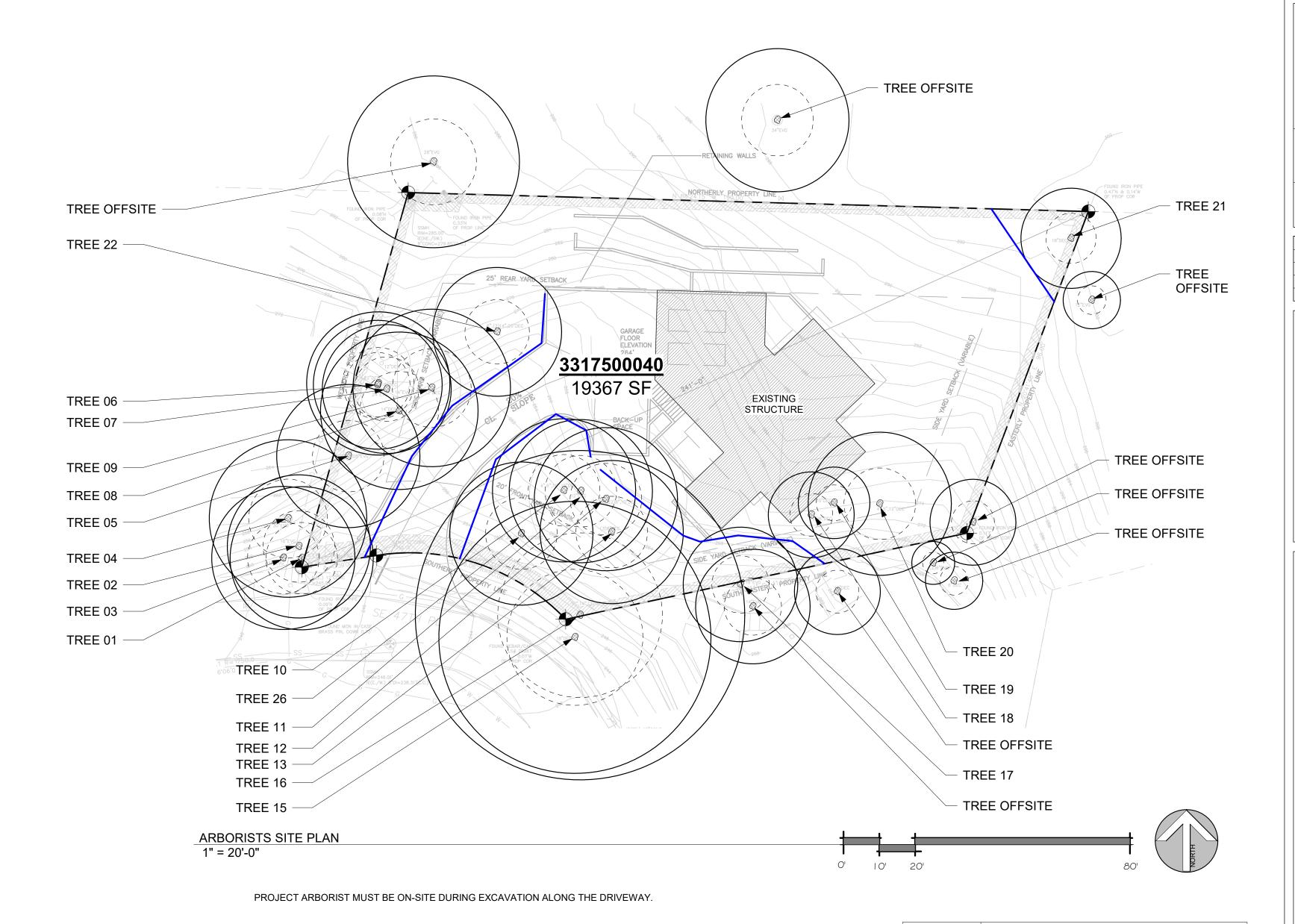
#### TREE REPLACEMENT

Tree replacement- removed trees must be replaced based on the ratio in the table below. Replacement trees shall be conifers at least six feet tall and or deciduous at least one and one-half inches in diameter at base.

			Number of Tree	
	Tree	Number of	Required for	
Diameter of Removed Tree (measured 4.5'	replacement	Trees Proposed	Replacement Based	
above ground)	Ratio	for Removal	on Size/Type	
Less than 10"	1			
10" up to 24"	2			
Greater than 24" up to 36"	3			
Greater than 36" and any Exceptional Tree	6			
	TOTAL TREE REDLA CELATATA			

TOTAL TREE REPLACEMENTS

Arborici	s NW Tree Inventory							
Arborist	s NVV Tree inventory							
Tree					Dripline			
Number	Common name	Scientific Name	# of Trunks	DBH (Inches)	(Feet)	Condition	Retain	Notes
1	DOUGLAS FIR	Pseudotsuga menziesii	1	14	19	FAIR	YES	
2	DOUGLAS FIR	Pseudotsuga menziesii	1	15	12	FAIR	YES	
3	DOUGLAS FIR	Pseudotsuga menziesii	1	18	12	FAIR	YES	
4	DOUGLAS FIR	Pseudotsuga menziesii	1	25	19	FAIR	YES	
5	DOUGLAS FIR	Pseudotsuga menziesii	1	21	20	FAIR	YES	
6	CHERRY	Prunus avium	1	16	12	FAIR	YES	
7	DOUGLAS FIR	Pseudotsuga menziesii	1	15	14	FAIR	YES	
8	BIG LEAF MAPLE	Acer macrophyllum		14	18	FAIR	YES	
9	BIG LEAF MAPLE	Acer macrophyllum	1	12	14	FAIR	YES	
10	BIG LEAF MAPLE	Acer macrophyllum	4	17.2	18	FAIR	YES	STUMP SPROUTED
11	BIG LEAF MAPLE	Acer macrophyllum	1	12	12	FAIR	YES	
12	BIG LEAF MAPLE	Acer macrophyllum	6	17.7	18	FAIR	YES	STUMP SPROUTED
13	BIG LEAF MAPLE	Acer macrophyllum	3	13.8	14	FAIR	YES	STUMP SPROUTED
14	BIG LEAF MAPLE	Acer macrophyllum	6	20.6	18	FAIR	YES	STUMP SPROUTED
15	BIG LEAF MAPLE	Acer macrophyllum	1	18	27	FAIR	YES	STUMP SPROUTED
16	BIG LEAF MAPLE	Acer macrophyllum	6	31	20	FAIR	YES	STUMP SPROUTED
17	DOUGLAS FIR	Pseudotsuga menziesii	1	16	14	FAIR	YES	
18	BIG LEAF MAPLE	Acer macrophyllum	5	17.4	14	FAIR	NO	STUMP SPROUTED
19	BIG LEAF MAPLE	Acer macrophyllum	1	10	18	FAIR	NO	
20	BIG LEAF MAPLE	Acer macrophyllum	3	13.6	18	FAIR	YES	STUMP SPROUTED
21	DOUGLAS FIR	Pseudotsuga menziesii	1	18	14	FAIR	YES	
14		#N/A	1			1		
15		#N/A	1					
16		#N/A	1					
17		#N/A	1					
18		#N/A	1					
19		#N/A	1					
20		#N/A	1					
21		#N/A	1					
22		#N/A	1					
23		#N/A						
24		#N/A						
25		#N/A						
26		#N/A						
27		#N/A						
28		#N/A						
29		#N/A						
30		#N/A #N/A						
30		Total DBH		355.3		1		
		Retained DBH		<b>327.9</b>				
		Retained DBH  Retained Percentage						
		netunica i ercentage		92.3%				



TREE DRIP LINE (DL) 1. No pruning shall be preformed unless under the direction of an Crown drip line or other limit of Tree Protection area. See Site/Utility Plan for fence alignment. DIAMETER STANDARD HEIGHT (DSH) 2. No equipment shall be stored or operated inside the protective fencing including during fence installation and removal 3. No storage of materials shall occur inside the protective fencing 4. Refer to Site/Utility Plan for allowable modifications to the tree protectionarea. **EVERGREEN TREE** 5. Unauthorized activities in tree protection area may require evaluation by private arborist to identify impacts and mitigation Exposed roots: For roots >1" damaged during construction, make a clean straight cut to remove damaged portion and inform City **DECIDUOUS TREE** Arborist Tree protection fence: 4-b' chain link fence, solidly anchored into the ground, or if authorized High-TREE TO BE REMOVED density polyethylene fencing with 3.5" x 1.5" openings; color orange. Steel posts installed at 8' o.c. 8.5" x 11" laminated in TREE PROTECTION FENCING plastic spaced every 50" along the 5" thick layer of TREE PROTECTION Maintain existing grade with the tree protection fence unless otherwise **NEW TREE** indication on the plans PREPARED BY: 2 Mercer Island Tree Protection Detail
1/4" = 1'-0"

**NEAL BAKER** 

ARBORISTS NW.COM ISA CERT. PN1075A

MEMBER AREA & SOCA PH: 206 779 2579

TRAQ ISA (TREE RISK ASSESSMENT QUALIFIED)

Arborists NW is a full spectrum arboricultural, consulting and landscape design and installation provider. When you think tree and landscape services, think Arborists NW.

ONLINE: https://arboristsnw.com/ PHONE: 206-779-2579 EMAIL: neal@arboristsnw.com Description Date

98040 MERCER ISLANI

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ARBORIST TREE PLAN

21029 Project number CW Drawn by

Checked by X100 As indicated