CITY OF MERCER ISLAND

COMMUNITY PLANNING & DEVELOPMENT
9611 SE 36TH STREET | MERCER ISLAND, WA 98040
PHONE: 206.275.7605 | www.mercergov.org

MERCER ISLAND TREE INVENTORY & REPLACEMENT SUBMITTAL INFORMATION

PROJECT INFORMATION		
Property Owner Name:	Spurlock - Ma Residence	Jenny Spurlock & Long Ma
Site Address or Parcel Number:	8427 SE 62nd St	Mercer Island, WA 98040
Project Contact Name:	Robert Arlt - Shed Design	
Contact Email Address:	robert@shedbuilt.com	
Contact Phone Number:	605-214-2625	

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: 3
List tree numbers: 11, 13, 14

Number of trees 24" or greater (including 36" or greater): 3
List tree numbers: 11, 13, 14

Number of trees from Exceptional Tree Table (MICC 19.16): 3
List tree numbers: 11, 13, 14

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 4 (A)

List tree numbers: 4, 11, 13, 14

Number of Large Regulated Trees on site proposed for removal 1 (B)

List tree numbers: 4

Percentage of trees to be retained ((A-B)/Ax100) note: must be at least 30% 75 %

RIGHT OF WAY TREES

Right of Way Trees- 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: _____

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.

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

no replacement tree is needed if the tree fits all of the following;
***Less than 10 inches in diameter, not an exceptional tree, and not a replacement tree from another tree permit. ***

ARBORIST REPORT

DATE:

December 26, 2024

PREPARED FOR:

Jenny Spurlock / Long Ma

SITE ADDRESS:

8427 SE 62nd St Mercer Island, WA 98040 / Parcel #1924059171

PREPARED BY:

Kim Ettari - ISA Certified Arborist PN1301A / TRAQ

Seattle Tree Service Provider - TSP #18856

Laughing Trees Landscapes

5607 40th Ave NE Seattle, WA 98105

828-318-6088 / laughingtreeslandscapes@gmail.com

NARRATIVE

SCOPE OF WORK

You have asked me to complete a tree retention, protection and replanting plan for the trees on your property in preparation for the remodeling project to your residence.

All documentation below should comply with requirements set forth in Mercer Island Municipal Code (19.10.010).

METHODOLOGY

The methods used for this assessment are as outlined in *Tree Risk Assessment* and as adopted by the International Society of Arboriculture (ISA). The end goal of most assessments is to provide the owner or manager of the tree(s) with factual information, enabling them to make decisions about the management of the tree(s). For this particular assessment, I used a Level II Assessment that includes inspection of the root collar, lower trunk, upper limbs and canopy of the tree as can be seen from the ground. Basic assessment does not include climbing the tree or excavation of soils to inspect root structure or condition.

I visited the site on 12/16/24 measured sixteen (16) trees for their diameter at breast height (DBH), an industry standard of measuring trees at 4.5' above grade. Trees that were multi-stemmed or branched below the standard 4.5' point of measurement were measured in some other way and noted as such in the findings notes of the appropriate tree. Of the fourteen (14) on-site trees only four (4) are regulated trees above 10" DBH along with the two (2) off-site regulated exceptional trees with canopies that overhang the property.

A tree inventory and assessment spreadsheet was created that details each tree by reference number, species/ common name, size (DBH), drip line/canopy extension and condition with remarks as needed. Any recommended action items are also included as said sheet.
(S*ee attached inventory and photos.)*

A tree map was created that indicates the locations and drip lines of the trees along with suggested locations of required tree protection fences.
(*See attached tree map.)*

FINDINGS AND OBSERVATIONS

The subject site is an 11,662 sq ft residential lot in an established neighborhood on the southern end of Mercer Island. The trees in question grow in the front and back yards.

The following trees were inventoried and assessed:

Spurlock - Ma Residence Tree Inventory

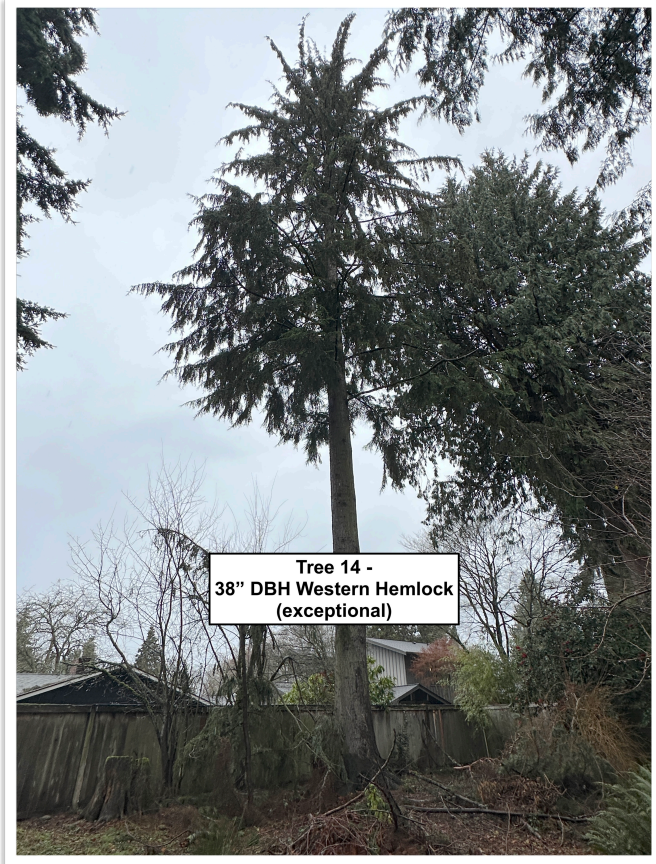
Tree #	Botanical Name	Common Name	DBH	Dripline	Condition	Notes	Action
1	Acer palmatum	Japanese Maple	6” non-regulated	6N/6E/6S/6W	GOOD	8’ tall, even canopy	RETAIN
2	Cotinus coggygria	Smoke Bush	6” non-regulated	8N/8E/8S/8W	GOOD	10’ tall	REMOVE
3	Tsuga mertensiana	Mountain Hemlock	4” non-regulated	4N/4E/4S/4W	GOOD	12’ tall, full crown	REMOVE
4	**Pawlonia fortuneii**	**Empress Tree**	**12”**	**10N/10E/10S/10W**	**GOOD**	**20’ tall, full crown**	**REMOVE**
5	Pseudotsuga menziesii	Douglas Fir	7” non-regulated	8N/8E/8S/8W	GOOD	20’ tall, full crown	REMOVE
6	Cedrus atlantica ‘Glauca’	Blue Atlas Cedar	8” non-regulated	10N/10E/10S/10W	GOOD	20’ tall, thin canopy	REMOVE
7	Corylus avellana	Filbert	6” ** non-regulated	10N/10E/10S/10W	FAIR	12’ tall, multi-stem	REMOVE
8	Acer circinatum	Vine Maple	6” ** non-regulated	8N/8E/8S/8W	GOOD	10’ tall, multi-stem	RETAIN
9	Prunus serrulata	Flowering Cherry	7” non-regulated	10N/10E/10S/10W	FAIR	10’ tall, thin canopy	REMOVE
10	Prunus serrulata	Flowering Cherry	6” non-regulated	10N/10E/10S/10W	FAIR	10’ tall, thin canopy	REMOVE
11	**Thuja plicata**	**W Red Cedar**	**40” exceptional**	**20N/20E/20S/20W**	**GOOD**	**100’ tall, co-dominant stems at 60’**	**RETAIN**
12	Prunus cerasifera	Flowering Plum	5” non-significant	8N/8E/8S/8W	FAIR	10’ tall, thin canopy	REMOVE
13	**Thuja plicata**	**W Red Cedar**	**44” exceptional**	**20N/20E/20S/20W**	**GOOD**	**120’ tall, corrected trunk bow**	**RETAIN**
14	**Tsuga heterophylla**	**Western Hemlock**	**38” exceptional**	**20N/20E/20S/20W**	**GOOD**	**100’ tall, balanced crown**	**RETAIN**
15	**Thuja plicata**	**W Red Cedar**	**40” exceptional**	**20N/20E/20S/20W**	**GOOD**	**110’ tall, balanced crown**	**OFF SITE**
16	**Pseudotsuga menziesii**	**Douglas Fir**	**42” exceptional**	**20N/20E/20S/20W**	**GOOD**	**115’ tall, balanced crown**	**OFF SITE**

Inventory completed on 12/16/2024 by Laughing Trees Landscapes - Kim Ettari (ISA Certified Arborist PN1301A/TRAQ)
*DBH = diameter at breast height / 4.5’ from base
**DBH for multi-stem = square root of sum of squared stem diameters
*Dripline = measured in radius


Tree 4 -
12” DBH Empress Tree


Tree 11 -
40” DBH W Red Cedar
(exceptional)
Tree 13 -
44” DBH W Red Cedar
(exceptional)


Presented by
9427 S.E. 62nd Street
Tree 13 -
44” DBH W Red Cedar
(exceptional)


Tree 14 -
38” DBH Western Hemlock
(exceptional)


Off site - Tree 15
40” DBH W Red Cedar
(exceptional)


Off site - Tree 16
42” DBH Douglas Fir
(exceptional)

RECOMMENDATIONS AND CONSIDERATIONS

TREE REMOVAL

As per the tree retention requirements in Mercer Island Municipal Code (19.10.060 (2.a)) a *"minimum of 30 percent of trees with a diameter of 10 inches or greater, or that otherwise* meet the definition of large trees, shall be retained over a rolling five-year period."

REMOVAL CALCULATION - The proposed construction project will require the removal of regulated Tree #4. This tree represents 12 caliper inches or 8.9% of the 134 total caliper inches on the site.

TREE RETENTION

RETENTION CALCULATION - The remaining Trees #11, #13 and #14 represent 122 caliper inches or 91.1% of the total 134 caliper inches on the site. As per MICC this percentage meets the 30% tree retention requirement.

The tree retention breakdown for this site would be as follows:

Number of regulated trees on site:	4 trees
Proposed regulated trees for removal:	1 tree
Regulated trees to remain:	**3 trees (75% > 30% meets requirement)**

TREE PROTECTION

PROTECTION OF RETAINED EXCEPTIONAL TREES / OFF-SITE EXCEPTIONAL TREES

Tree #11 - Thuja plicata / Western Red Cedar - 40" DBH (exceptional) - This tree is at a higher elevation (approximately 4') than the residence. Tree protection fencing is to be installed at the drip line (20') on the north, west and south sides and at 15' to the east. The new paver patio and a small crushed stone area will encroach approximately 4' into the eastern drip line but represents less than 10% of the overall canopy. I anticipate no long term impacts to the health of this tree is protected as shown.

Tree #13 - Thuja plicata / Western Red Cedar - 44" DBH (exceptional) - This tree is at a higher elevation (approximately 4') than the residence and an existing retaining wall and crushed stone patio rest under the south east quadrant of the drip line. The proposed construction will replace the retaining wall and patio. Tree protection fencing is to be installed at the top of the retaining wall approximately 5' from the base of the tree. Absolutely no construction materials or debris is to be placed at the top of the retaining wall. I anticipate no long term impacts to the health of this tree is protected as shown.

Tree #14 - Tsuga heterophylla / Western Hemlock - 38" DBH (exceptional) - Tree protection fencing is to be installed at the drip line of this exceptional tree.

Tree #15 (off-site) - Thuja plicata / Western Red Cedar - 40" DBH (exceptional) - This tree's canopy grows on the property to the north with a canopy that extends approximately 15' south over the property line into the Spurlock - Ma property. Tree protection fencing is to be installed at the drip line of this exceptional tree.

Tree #16 (off-site) - Pseudotsuga menziesii / Douglas Fir - 40" DBH (exceptional) - This tree's canopy grows on the property to the west with a canopy that extends approximately 15' north over the property line into the Spurlock - Ma property. Tree protection fencing is to be installed at the drip line of this exceptional tree.

3-4" of bark mulch is to be installed inside the tree protection zones of all retained trees.

Tree protection fencing with approved tree signage is to be installed prior to the commencement of any construction activities and to remain until project completion. Approved signage below to be used on tree protection fencing:

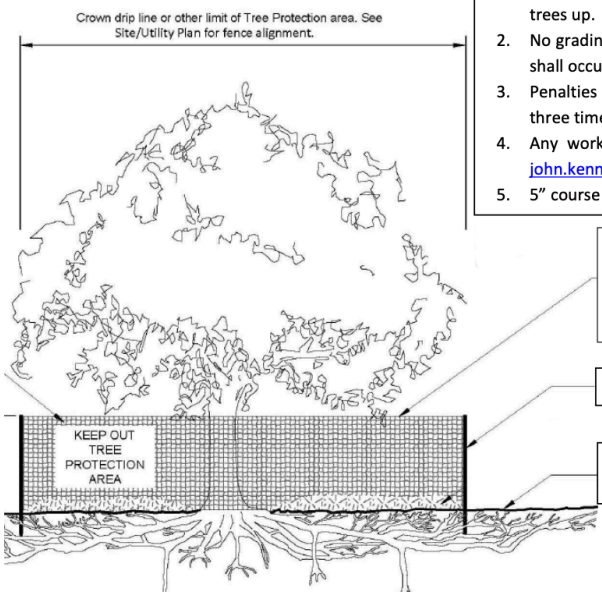
TREE PROTECTION AREA (TPZ)

KEEP OUT!

DO NOT REMOVE OR ADJUST THE APPROVED LOCATION OF THIS TREE PROTECTION AREA

Trees enclosed by this fence are protected and are subject to the conditions of the tree permit. Violation of tree conditions may lead to:

1. Correction Notices or Stop Work Orders until compliance is achieved
2. RE Inspection Fees/financial penalties
3. Arborist reports recommending mitigation



Notes

1. No pruning shall be performed unless under the direction of the Project Arborist. Including limbing trees up.
2. No grading, excavation, storage (materials, equipment, vehicles, etc.), or other unpermitted activity shall occur inside the protective fencing.
3. Penalties for damaging by root damage/compaction or removing a saved tree may be a fine up to three times the value of the tree plus restoration (MICC 19.10.160).
4. Any work in approved TPZ must be with the permission of the City Arborist (206) 275-7713, john.kenney@mercergov.org.
5. 5" course woodchips within the tree protection zone, but not against the tree trunk.

Tree protection fence: 4-6" **chain link** fence, solidly anchored into the ground, or if authorized High-density polyethylene fencing with 3.5" x 1.5" openings; color orange. Steel posts installed at 8' o.c.

2" x 6" steel posts or approved equal

Maintain existing grade with the tree protection fence unless otherwise indication on the plans

Any Work in the protected area must be with the permission of the City Arborist john.kenney@mercergov.org

PROTECTION OF TREES DURING DRAINAGE INSTALLATION

Any vegetated flow paths or other required drainage areas under the drip lines of any retained or off-site exceptional tree are to be dug completely by hand. Absolutely no mechanized equipment is permitted in these protected areas. *(See attached drainage map.)*

No drainage-related excavation debris is to be dumped or stored under the drip line of any retained or off-site exceptional tree.

Consult the project arborist if any root larger than 2" in diameter requires cutting on any retained or off-site tree during the drainage system installation.

TREE REPLACEMENT

As per the attached Mercer Island Tree Worksheet this project requires the planting of two (2) replacement trees. Recommendations for replacement trees will be made by the landscape architect on this project.

WATERING PLAN FOR REPLACEMENT TREES

1. Above ground soaker hoses to be installed around each replacement tree. Smaller diameter trees to have hose looped around them once and larger diameter trees to have hose looped around them twice. If using hoses with emitters then multiple emitters are required for larger trees.

2. Watering times will depend on soaker hose system but deeper, less frequent waterings is ideal (possibly a couple of hours once or twice per week.) Check soil periodically to determine how deeply the water is soaking in. Trees that are planted near other large, established trees will likely need more water.

3. Watering to be applied for at least two full seasons (April - October or longer if little rainfall.)

4. 2-3" mulch to be applied over soaker hoses to aid water retention. Care should be taken to keep soaker hose and mulch away from the trunks.

LIMITATIONS

This report was based on the conditions of the trees and site at the time the report was written. Weather and site changes can alter the conditions at any time. Trees inherently pose a certain degree of hazard and risk from breakage, failure or other causes and conditions. Recommendations that are made by Laughing Trees Landscapes are intended to minimize or reduce hazardous conditions that may be associated with trees. However, there is and there can be no guarantee or certainty that efforts to correct unsafe conditions will prevent breakage or failure of the

tree. Any recommendations made should reduce the risk of tree failure but they cannot eliminate such risk, especially in the event of a storm or any act of God. There can be no guarantee or certainty that all hazardous conditions will be detected.

EXISTING TREE PLAN
Kim Ettari - ISA Arborist PN1301A/TRAQ
Laughing Trees Landscapes

Mercer Island Tree Retention Requirement
30% of regulated trees to be retained

TREE LEGEND:

1 -	6" DBH Japanese Maple	RETAIN
2 -	6" DBH Smoke Bush	REMOVE
3 -	4" DBH Mtn Hemlock	REMOVE
4 -	12" DBH Empress Tree	REMOVE / regulated
5 -	7" DBH Douglas Fir	REMOVE
6 -	8" DBH Blue Atlas Cedar	REMOVE
7 -	6" DBH Filbert	REMOVE
8 -	6" DBH Vine Maple	RETAIN
9 -	7" DBH Flowering Cherry	REMOVE
10 -	6" DBH Flowering Cherry	REMOVE
11 -	40" DBH (E) W Red Cedar	RETAIN / regulated
12 -	5" DBH Flowering Plum	REMOVE
13 -	44" DBH (E) W Red Cedar	RETAIN / regulated
14 -	38" DBH (E) W Hemlock	RETAIN / regulated
15 -	40" DBH (E) W Red Cedar	OFF SITE / regulated
16 -	42" DBH (E) Douglas Fir	OFF SITE / regulated

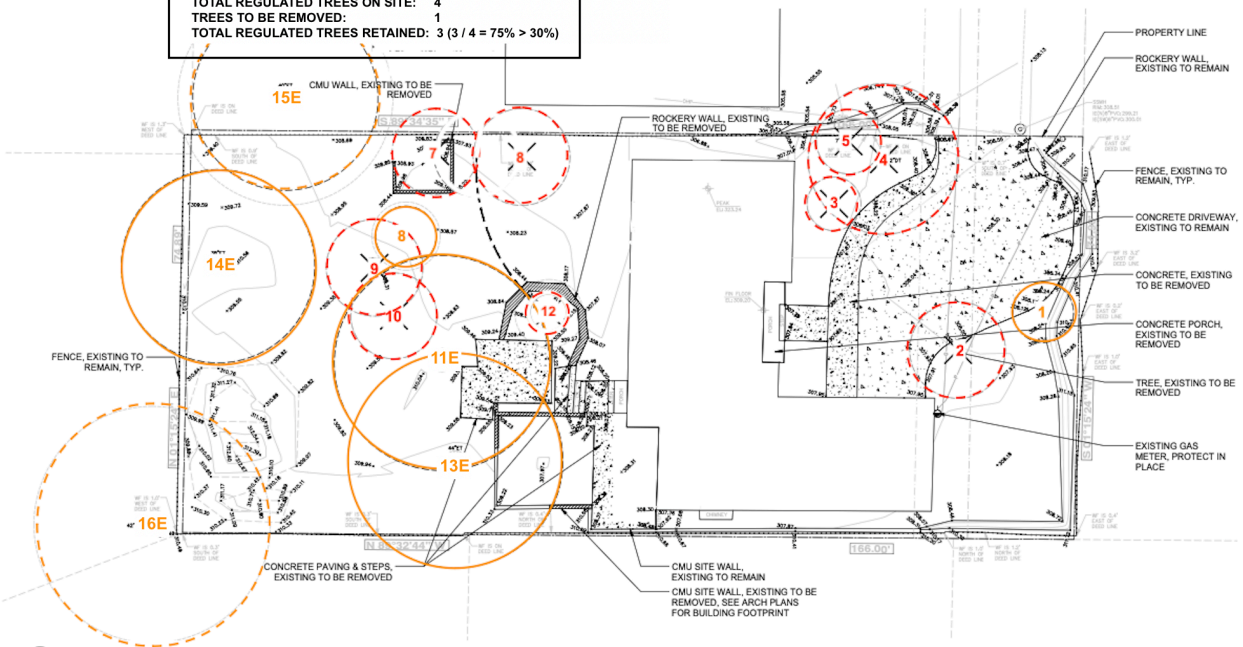
TOTAL REGULATED TREES ON SITE: 4
TREES TO BE REMOVED: 1
TOTAL REGULATED TREES RETAINED: 3 (3 / 4 = 75% > 30%)

NOTES

1. ADDITIONAL PLANTING OR TREE REMOVAL OTHER THAN THE AREAS INDICATED SHALL NOT BE PERMITTED WITHOUT REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.
2. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS, UTILITY FACILITIES, BUILDING AND BUILDING FOUNDATIONS AND LANDSCAPE FEATURES THAT ARE NOT AFFECTED BY THESE PLANS.
3. ALL EXISTING UTILITIES SHOWN ARE BASED ON THE BEST KNOWLEDGE AVAILABLE. CONTRACTOR TO POTHOLE ALL POINTS OF CONNECTION AND VERIFY ALL CLEARANCES. MATERIAL DEPTH AND LOCATION SHALL BE IDENTIFIED BY CONTRACTOR. IF THERE ARE ANY DIFFERENCES FROM PLAN WITH ANY OF THESE ITEMS, OWNER TO BE NOTIFIED IMMEDIATELY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO WORK OR POTHOLE TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY LINES.
5. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS AND ALL ASSOCIATED COSTS.

LEGEND

- LIMIT OF WORK
- EXISTING FENCE LINE
- EXISTING CONTOUR
- EXISTING PAVED AREA TO REMAIN
- EXISTING PAVED AREA TO BE REMOVED
- EXISTING TREE
- EXISTING TREE TO BE TRANSPLANTED ON SITE
- EXISTING TREE TO BE REMOVED



01 SITE DEMOLITION PLAN
SCALE: 1" = 10' - 0"

1" = 10'-0" 0 5 10 20FT NORTH

SPURLOCK-MA RESIDENCE

50% CONSTRUCTION DOCUMENTS

PROJECT ADDRESS:
8427 SE 62ND STREET, MERCER ISLAND, WA 98040

TAX LOT:
PARCEL NO. 1924059171

CLIENT/OWNER:
JENNY SPURLOCK + LONG MA
PH. (XXX) XXX-XXXX

DESIGN TEAM:

LANDSCAPE ARCHITECT:
ABLE
PH. 206-486-4396

ARCHITECT:
SHED
PH. 206-320-8700

STAMP:

DATE:
10/25/24

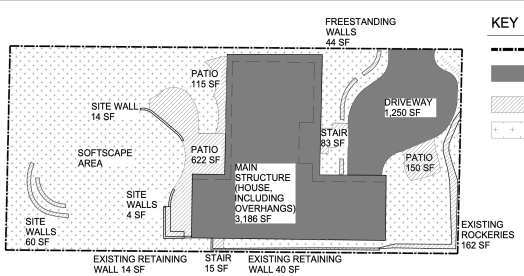
PROJECT NO:
2411

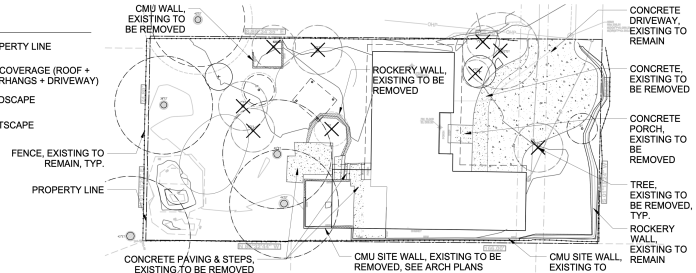
DRAWING ISSUANCES:

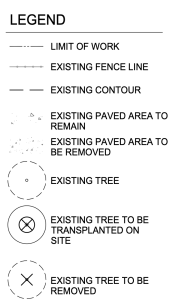
NO.	DESCRIPTION	DATE
01	50% CD	10/25/24
02	PLAN REVIEW - DRAFT	12/11/24

SITE DEMOLITION PLAN

L101





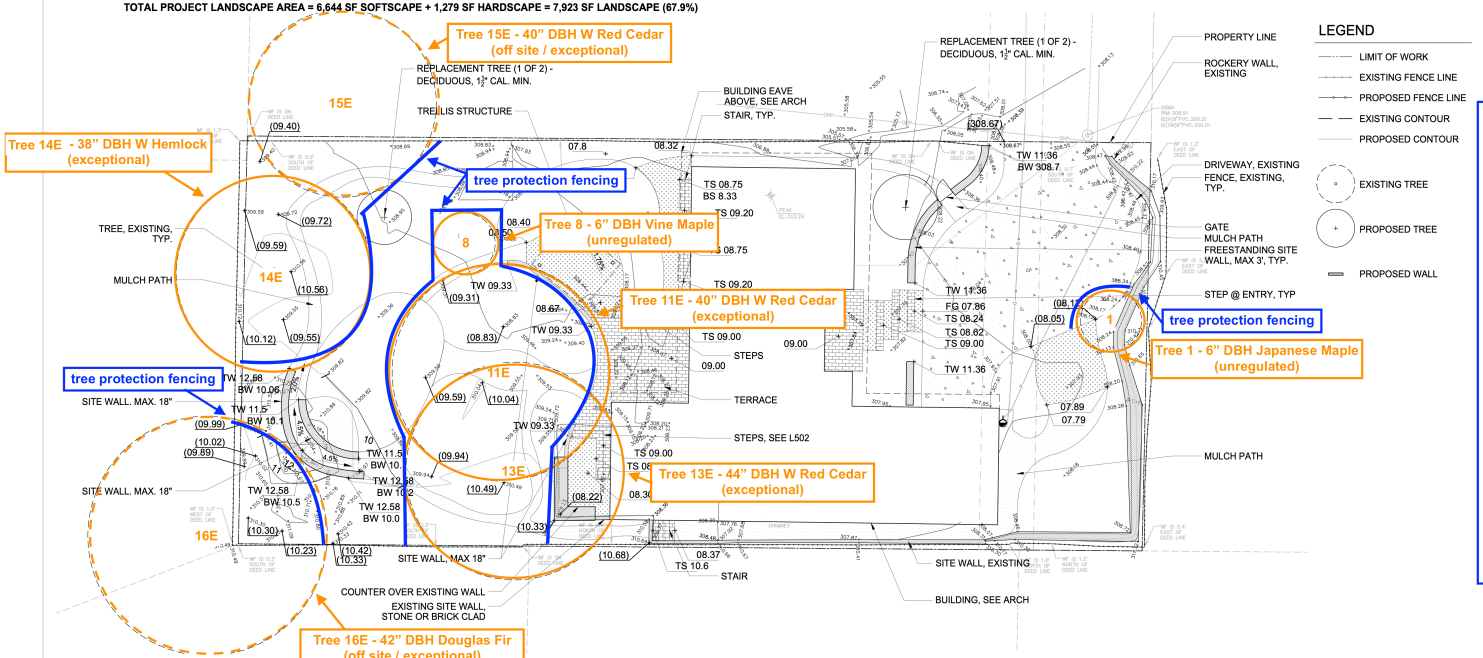


02 HARDSCAPE + LANDSCAPE AREA DIAGRAM
SCALE: 1" = 20' - 0"

03 SITE DEMOLITION PLAN
SCALE: 1" = 20' - 0"

HARDSCAPE:
NET LOT AREA = 11,662.5 SF
9% OF LOT AREA = 11,662.5 X 0.09 = 1,050 SF
AREA BORROWED FROM LOT COVERAGE = 229 SF
ALLOWABLE HARDSCAPE AREA = 9% OF LOT AREA + ' AREA BORROWED FROM LOT COVERAGE' = 1,050 SF + 229 SF = *1,279 SF (11%)*
TOTAL PROJECT HARDSCAPE AREA = 1,279 SF (11% OF LOT)

REQUIRED LANDSCAPE AREA:
NET LOT AREA = 11,662.5 SF
REQUIRED LANDSCAPE AREA = 60% OF LOT AREA = 11,662.5 X 0.6 = 6,997.5 SF
TOTAL PROJECT LANDSCAPE AREA = 6,644 SF SOFTSCAPE + 1,279 SF HARDSCAPE = 7,923 SF LANDSCAPE (67.9%)



01 SITE PLAN
SCALE: 1" = 10' - 0"

1" = 10'-0" 0 5 10 20FT

SPURLOCK-MA RESIDENCE

50% CONSTRUCTION DOCUMENTS

PROJECT ADDRESS:
8427 SE 62ND STREET, MERCER ISLAND, WA 98040

TAX LOT:
PARCEL NO. 1924059171

CLIENT/OWNER:
JENNY SPURLOCK + LONG MA

DESIGN TEAM:

LANDSCAPE ARCHITECT:
ABLE
PH. 206-486-4396

ARCHITECT:
SHED
PH. 206-320-8700

TREE PROTECTION PLAN
Exterior remodeling / hardscape installation
Kim Ettari - ISA Arborist PN1301/TRAQ
Laughing Trees Landscapes

ARBORIST NOTES:

1. Tree protection fencing with approved signage to be installed prior to the commencement of any construction related activity and to remain until project completion.

2. 4" of bark mulch to be installed inside tree protection fencing around exceptional trees 11E, 13E and 14E where construction disturbance will occur.

3. Absolutely no encroachment o construction debris permitted inside tree protection areas.

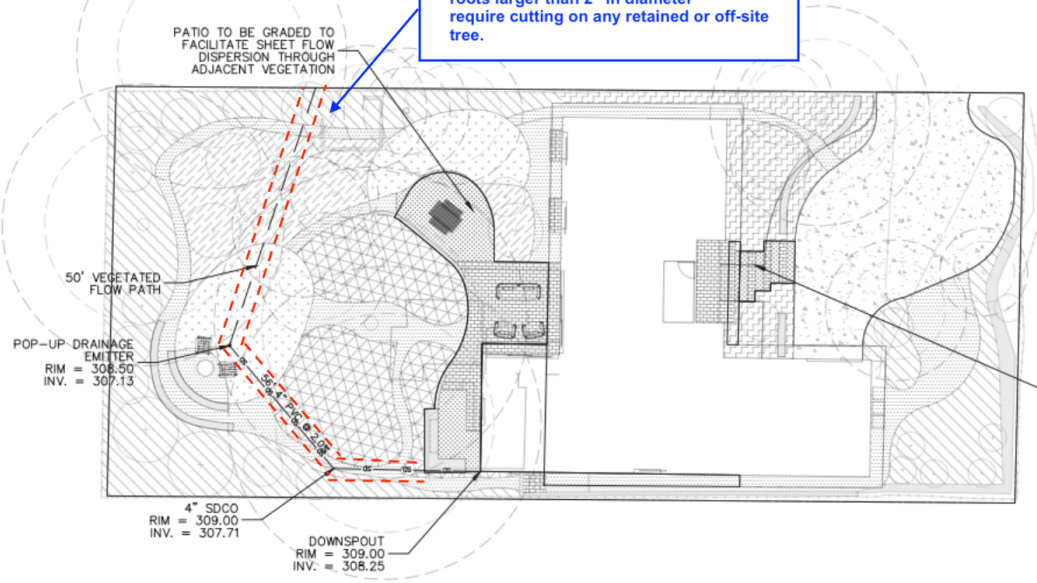
4. Consult the project arborist if admittance into tree protection areas is requested or if any root larger than 2" in diameter requires cutting on any retained or off-site tree.

LANDSCAPE SITE PLAN

L110

TREE PROTECTION / DRAINAGE PLAN
Kim Ettari - ISA Arborist PN13101A/TRAQ
Laughing Trees Landscapes

ARBORIST NOTES:
1. Any digging within the highlighted corridor must be dug by hand. Absolutely no mechanized equipment is permitted in these areas.
2. No excavated debris is to be dumped under the drip line of any retained or off-site exceptional tree.
3. Consult the project arborist if any roots larger than 2" in diameter require cutting on any retained or off-site tree.



THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION ON THE PROJECT.

ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:
1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
2. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL
3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
A. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BIORETENTION (BMP T7.30), WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
B. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING (A) ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220.
THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.
IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:
1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
2. AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PREAPPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.
MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

PRE-APPROVED AMENDMENT METHOD:
TURF: 7124 SF x 5.4 CY / 1,000 SF = 38.47 CY
TOTAL QUANTITY = 38.47 CY

Hard Surface Data	
Lot Size	12,438 sf
New + Replaced Hard Surface	1,001 sf
Hard Surface to Remain	4,546 sf
Total Proposed Hard Surface	5,312 sf
Proposed Vegetation	7,126 sf

SEE C1 FOR TESC/ DEMO CSWPPP

LEGAL DESCRIPTION

PORTION OF THE NORTH ½ OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 19, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., RECORDS OF KING COUNTY

Spurlock Addition
Site Address: 8427 SE 62nd St
Jurisdiction: Mercer Island
Parcel No.: 192405-9171
Applicant: SHED
Permit No.:
Interlaken Project No.: SEA-24-133

Interlaken Engineering and Design, PLLC
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Revisions:

C3
Drainage Site Plan
Scale: 1" = 10'