

Andy McAndrews

From: Bruce MacCoy <consultingarborist.usa@gmail.com>
Sent: Tuesday, February 26, 2019 5:35 PM
To: Randy Koehler
Cc: Andy McAndrews
Subject: Koehler 3633 February 2019 tree report.
Attachments: Koehler 3633 February 2019 tree report..pdf

For : Mr. Randy Koehler , RKK Construction.

Dear Mr. Koehler ,

Several time over the past few months , I've visited your proposed construction site at 3633 90th Avenue , SE on Mercer Island , 98040 to inspect the trees there. I've attached two site plans (2 of 2 and 5 of 5) from Terrane surveyors (WWW.Terrane.net). 2 of 2 shows the existing trees on the property , each identified by me with red ribbon and numbered aluminum tags. 5 of 5 shows the tree retention plan and tree inventory. The tree inventory is required by MICC 19.10.005.

TREE INVENTORY

- 1.) All existing large trees on the property (over 10 inches in diameter) are numbered with corresponding numbered aluminum tags on each tree. There are no large trees on adjacent properties with driplines or critical root zones that extend into the property. Tree number T1 (the 22 inch Cedar) on the inventory is included because it appears to be on or near the property when on site , but - as the survey shows , it is off the property.
- 2.) Each tree on the inventory is identified by size (diameter). In the case of a tree with multiple trunks , the diameters of the individual trunks are included in the inventory.
- 3.) Each tree in the inventory has the proposed tree status. Tree # 1 is listed as N/A since it's off the property. Tree's # T2 , T6 , T11 , T12 , T13 , T14 , T15 , and T17 are proposed for retention, Tree's # T3 , T4 , T5 , T7 , T8 , T9 , T10 , and T16 are proposed for removal.
- 4.) Each tree type or species is identified on the inventory.
- 5.) There are no trees on the property with individual trunks over 36 inches in diameter (Exceptional tree) . The exceptional trees on the property (page 5 , MICC 19.10) are T2 , T4 , T5 , T6 , T7 , T10 and T12. T11 is not exceptional because it's not a Sitka Spruce. There is one tree (# T6) with 3 trunks that add up to over 36 inches. ($16 + 16 + 13 = 45$ inches) proposed for retention. Tree # T7 ($18 + 18 + 19 = 55$ inches) is proposed for removal since it's in the area of a proposed new footprint.
- 6.) The health or condition rating of each tree is as follows : 1.) NA , 2.) fair , 3.) good , 4.) good , 5.) fair , 6.) very good , 7.) poor , 8.) poor , 9.) a stump , 10.) poor , 11.) fair , 12.) fair , 13.) good , 14.) poor , 15.) good , 16.) very good , and 17.) good.

ARBORIST REPORT

1.) I (Bruce Mac Coy) am a qualified arborist with credential numbers of PN - 0159A / 10828. I have been acknowledged as a qualified arborist by the city arborist on previous projects.

- 2.) Each tree's diameter , species , (or type) are in the tree inventory. The health / condition are noted above in #
6. The critical root zone and limits of allowable disturbance are noted on site plan 5 of 5 as the green line designated " No disturbance within dripline of retained protected trees without written approval from the city. ".
- 3.) The limits of allowable disturbance for the proposed retained trees were determined on a case by case basis using the proposed construction plans. The green lines on site plan 5 of 5 indicates where I recommend continuous tree protection fencing be placed. I recommend that any construction related work remain outside these lines.
- 4.) I recommend that any work proposed within the limits of disturbance protection areas , including after care , be conducted by an arborist on site during the work.
- 5.) Each tree on the tree inventory / retention plan that is designated as not viable for retention (tree's # T3 , T4 , T5 , T7 , T8 , T9 , T10 , and T16) is under 24 inches in diameter , in poor health , or is in the footprint of proposed construction. There is no reasonable alternative action.
- 6.) There will be no impact of the necessary tree removal to the remaining trees.
- 7.) I recommend tree protection measures in the form of expanded plastic orange fence be installed prior to the initiation of the removal of the existing house. This fencing is in accord with MICC 19.10.
- 8.) The suggested location and species of supplemental trees is included in the landscaping plan.

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MS Forestry / Entomology / Plant Pathology

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MERCER ISLAND
SHORT PLAT NO. SUB18-___

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TREE RETENTION PLAN



(IN FEET)
1 INCH = 20 FT.

TREE INVENTORY
PER ARBORIST ANALYSIS BY BRUCE MACCOY
DATED AUGUST 24, 2018

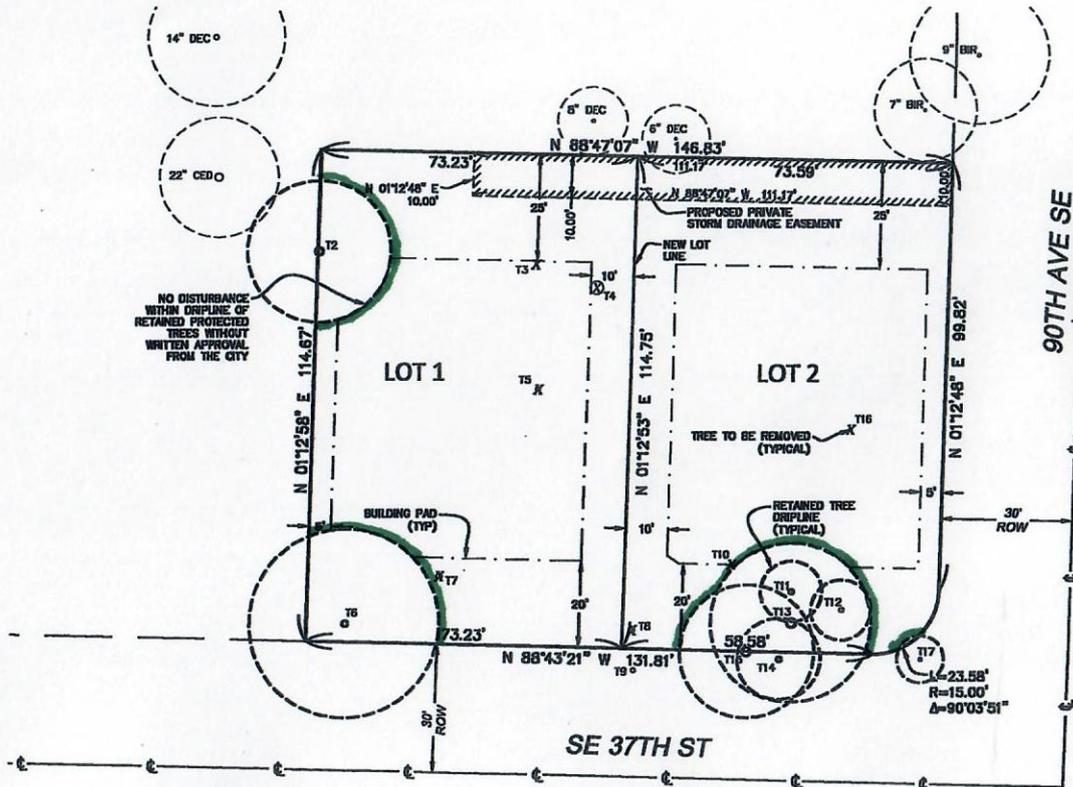
ID#	DIA	TYPE	RETAINED
T1	N/A	OFFSITE	N/A
T2	20"	DOGWOOD	X
T3	8"	WEeping CHERRY	
T4	38"	ELM	
T5	8"+7"+9"+6"	JAPANESE MAPLE	
T6	16"+16"+13"	BIG LEAF MAPLE	X
T7	16"+16"+19"	BIG LEAF MAPLE	
T8	12"+9"	APPLE	
T9	N/A	STUMP	
T10	3.5"+4"+4.5"+5"	PEAR	
T11	12"	SPRUCE	X
T12	9"	PINE	X
T13	24"	FR	X
T14	13"	FR	X
T15	24"	FR	X
T16	9"	BEECH	X
T17	6"	JAPANESE MAPLE	X

TREE RETENTION

30% TREE RETENTION REQUIRED
PER MICC 19.10.060

TOTAL TREES (>10')	10
REQUIRED RETENTION	3 (30%)
PROPOSED RETENTION	6 (60%)

*REMOVAL OF TREES INDICATED ON THIS PLAN WILL BE REQUIRED DUE TO IMPACTS FROM DEMO OF EXISTING STRUCTURES/IMPROVEMENTS.



Terrane
10801 Main Street, Suite 102, Bellevue, WA 98004
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www.terrane.net



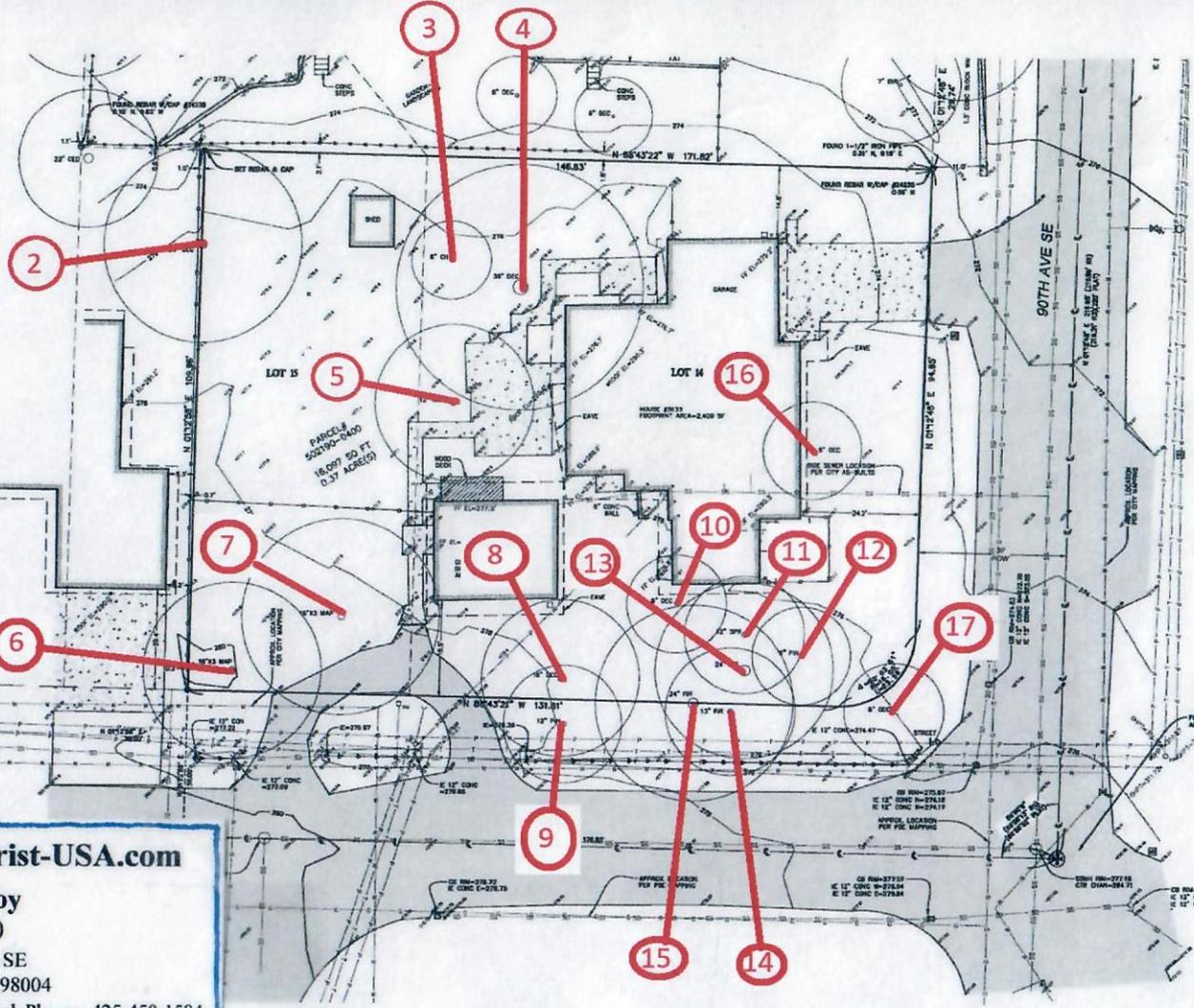
CITY OF MERCER ISLAND SUB18-
SE 1/4, SW 1/4, SEC. 07, T. 24N., R. 05E., W.M.
WALLACE PRELIMINARY SHORT PLAT
PARCEL NO. 5021900400
MERCER ISLAND, 3633 90TH AVE SE WA

JOB NO.: 161347
DATE: 11/29/18
DRAFTED BY: TLR
CHECKED BY: SRM
SCALE: 1" = 20'
5 OF 5

TOPOGRAPHIC & BOUNDARY SURVEY



LOT 15



www.ConsultingArborist-USA.com



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OR

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SURVEY SUCCESS

TOPOGRAPHIC & BOUNDARY SURVEY
OF 14 OF 16 ACRES OF 7700 SQ. FEET OF 1/4
PARCELS 15 & 16
RKK - 80TH AVE SE
3653 80TH AVE SE
MERGER ISLAND, WASHINGTON



Terrane
15861 14th Street, Suite 102, Bellevue, WA 98004
Phone: 425-458-4487 www.terrane.com

JOB NUMBER	31547
DATE	3/8/17
DRAWN BY	TJR
CHECKED BY	SMW
SCALE	1" = 10'
REVISION HISTORY	
SHEET NUMBER	2 OF 2