

Tree Conservation PlanApplication

Planning/Permit Application Center

City Hall / 555 Liberty St. SE / Room 320 / Salem, OR 97301-3513 503-588-6173 * planning@cityofsalem.net

If you need the following translated in Spanish, please call 503-588-6256. Si usted necesita lo siguiente traducido en español, por favor llame 503-588-6256.

(For office use only) Permit #:

Applicant's Consultant
Emerio Design: Roy Hankins
roy@emeriodesign.com
541-521-9797

Work site location and information

Street address or location of subject property
Lot size
Proposed use or type of development

People information

	Name	Full Mailing Address	Phone Number and Email address
Applicant			

Project information

1 Toject information	
How many trees are on the property (10" or more dbh)?	
(Tree means any living, standing, woody plant that grows to 15 feet or more in	
height, typically with one main stem called a trunk, which is 10 inches or more in	
dbh, and possesses an upright arrangement of branches and leaves (SRC	
808.005(n)). dbh means diameter at breast height. Diameter at breast height is a	
tree's diameter measured in inches at 4½ feet above grade.).	
How many trees are proposed for removal?	
Removal means to cut down a tree or remove 30% or more of the crown, trunk, or	
root system of a tree; or to damage a trees so as to cause the tree to decline or die.	
5.00	200
How many trees are proposed for preservation?	200
What percentage of the total trees will be preserved?	
If any riparian corridors are present on the site, name of the	Unnamed creek in the NW corner of
waterway	
The riparian corridor boundary is measured 50 feet horizontally from the top of	property
bank on each side of a stream with the exception of the Willamette River, which	
measures 75 feet horizontally form the top of bank.	
How many trees within a riparian corridor are proposed for	
removal?	
What type of native vegetation within a riparian corridor	
proposed for removal?	
A list of native vegetation can be found in the Tree and Vegetation Technical	
Manual (SRC 808.005(o)).	
How many Oregon White Oaks 24" or more dbh are proposed	
for removal?	

Authorization by property owner(s)/applicant

*If the applicant and/or property owner is a Limited Liability Company (LLC), please also provide a list of all members of the LLC with your application.

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Electronic signature certification: By attaching an electronic signature	e (whether typed, graphical or free form)
I certify herein that I have read, understood and confirm all the statemer	its listed above and throughout the
application form.	
Authorized Signature:	
Print Name:	Date:

Submittal requirements

- 1) **Site Plan**: Of a size and form and in the number of copies meeting the standards established by the Planning Administrator, containing information found in SRC 808.035(c)(1).
- 2) **Written Statement**: If the proposed tree conservation plan results in removal of significant trees, trees or native vegetation in a riparian corridor or shows preservation of less than 25 percent of the trees on site, a statement shall be provided demonstrating that there are no reasonable design alternatives that would enable preservation of such trees.
- 3) Additional items that may be submitted or requested: When a riparian corridor is located on the property, the tree conservation plan shall include the information found in SRC 808.035(c)(2).

Appeal and review

The decision on a Tree Conservation Plan may be appealed, pursuant to SRC 300.1010. Only the applicant or the owner of the subject property have standing to appeal the decision of a Tree Conservation Plan. The decision of Hearings Officer on appeal shall be the final decision of the City.

Not using Internet Explorer?

Save the file to your computer and email to planning@cityofsalem.net.



August 30, 2021

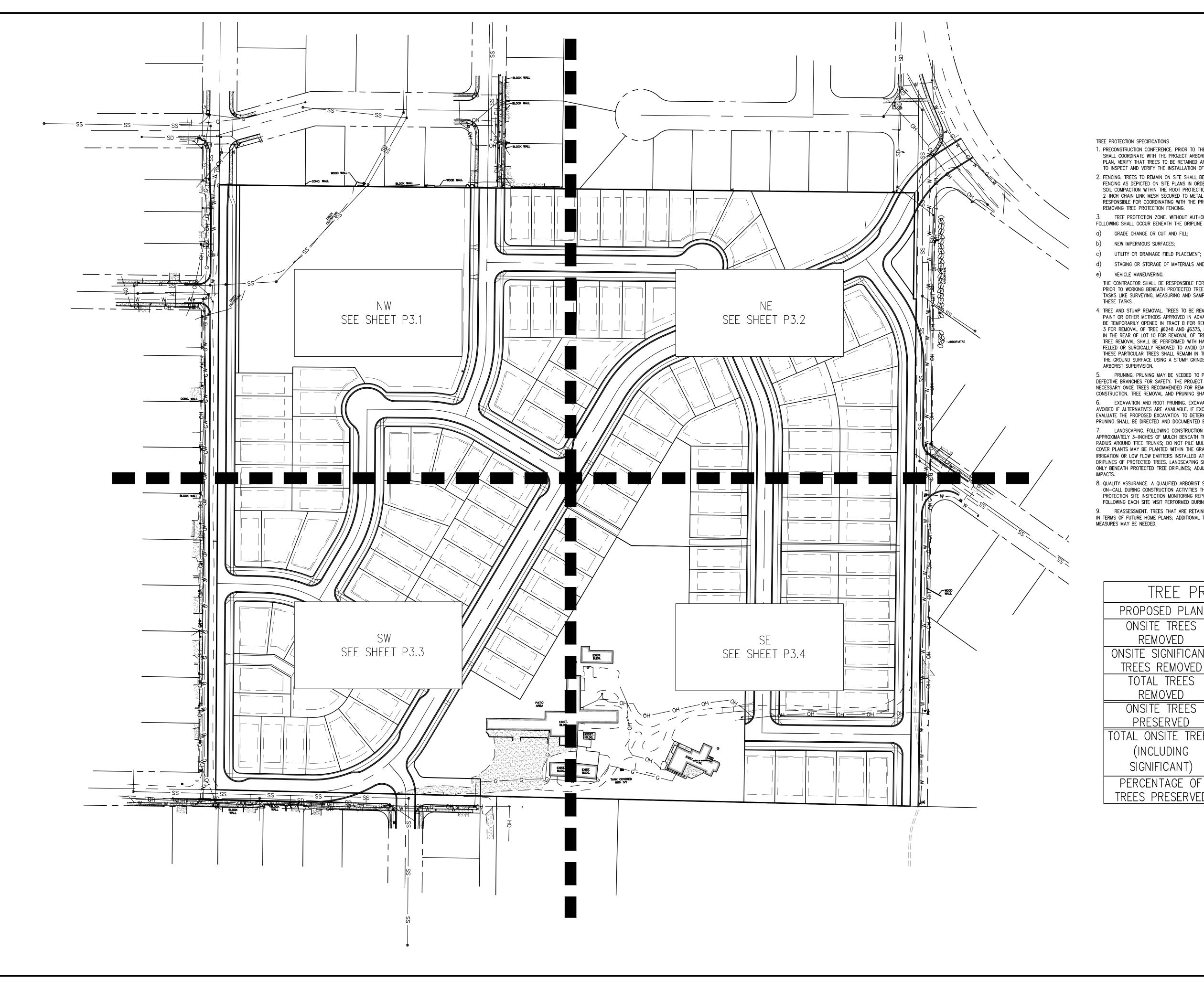
City of Salem Planning Department 555 Liberty St. SE Salem, OR 97301

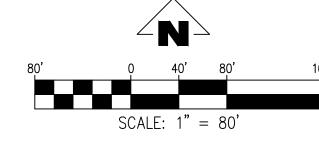
RE: Meyer Farm Subdivision: Tree Conservation Plan Narrative

Emerio Design represents the applicant for a single-family residential subdivision proposed at 4540 Pringle Road SE in Salem, Oregon. This application proposes to preserve 30.72% of the total trees on the subject property. Of the total 679 trees on the property, only 6 Oak trees 24" or more DBH are proposed for removal (See reference table below) and one (tree 2579) is within the required 12th Street right-of-way improvement area. A tree assessment was conducted by Teragan & Associates and included with the subdivision application. The proposed removal of the identified significant oak trees is due to the overall health of the tree, required grading with the development of this property, or required improvements.

Tree Inventory Oregon White Oak 24" or more DBH Proposed for Removal								
Tree #	Species	DBH	Treatment	Reverence Sheet #				
4721	Oak	28"	Removal	P3.1				
4806	Oak	24"	Removal	P3.1				
4919	Oak	28"	Removal	P3.1				
4923	Oak	28"	Removal	P3.1				
2579*	Oak	32"	Removal	P3.3				
3194	Oak	24"	Removal	P3.3				

^{*} Tree included in resonable alternatives analysis street tree removal permit as this tree in within the public right-of-way improvement area





- 1. PRECONSTRUCTION CONFERENCE. PRIOR TO THE START OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST IN A TIMELY MANNER TO REVIEW THE TREE PROTECTION PLAN, VERIFY THAT TREES TO BE RETAINED ARE IDENTIFIED WITH NUMBERED TAGS ON THE GROUND, AND TO INSPECT AND VERIFY THE INSTALLATION OF TREE PROTECTION MEASURES.
- 2. FENCING. TREES TO REMAIN ON SITE SHALL BE PROTECTED BY INSTALLATION OF TREE PROTECTION FENCING AS DEPICTED ON SITE PLANS IN ORDER TO PREVENT INJURY TO TREE TRUNKS OR ROOTS, OR SOIL COMPACTION WITHIN THE ROOT PROTECTION AREA. FENCES SHALL BE A MINIMUM 6-FOOT HIGH 2-INCH CHAIN LINK MESH SECURED TO METAL POSTS DRIVEN INTO THE GROUND. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE PROJECT ARBORIST PRIOR TO OPENING, ADJUSTING OR

TREE PROTECTION ZONE. WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST, NONE OF THE FOLLOWING SHALL OCCUR BENEATH THE DRIPLINE OF ANY PROTECTED TREE:

- a) GRADE CHANGE OR CUT AND FILL;
- STAGING OR STORAGE OF MATERIALS AND EQUIPMENT; OR
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT ARBORIST IN A TIMELY MANNER PRIOR TO WORKING BENEATH PROTECTED TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON COMPLETION OF
- 4. TREE AND STUMP REMOVAL. TREES TO BE REMOVED SHALL BE CLEARLY IDENTIFIED WITH TREE-MARKING PAINT OR OTHER METHODS APPROVED IN ADVANCE BY THE PROJECT ARBORIST. PROTECTION FENCING MAY BE TEMPORARILY OPENED IN TRACT B FOR REMOVAL OF TREES #6654 AND #6655, IN THE REAR OF LOT 3 FOR REMOVAL OF TREE #6248 AND #6375, IN THE REAR OF LOT 9 FOR REMOVAL OF TREE #50316 AND IN THE REAR OF LOT 10 FOR REMOVAL OF TREES #50398 AND #50399. WITHIN TREE PROTECTION ZONES, TREE REMOVAL SHALL BE PERFORMED WITH HAND TOOLS ONLY AND TREES SHALL BE DIRECTIONALLY FELLED OR SURGICALLY REMOVED TO AVOID DAMAGE TO REMAINING NEARBY TREES. THE STUMPS OF THESE PARTICULAR TREES SHALL REMAIN IN THE GROUND, BE REMOVED APPROXIMATELY 6-INCHES BELOW THE GROUND SURFACE USING A STUMP GRINDER, OR ELSE EXTRACTED FROM THE GROUND UNDER

5. PRUNING. PRUNING MAY BE NEEDED TO PROVIDE OVERHEAD CLEARANCE AND TO REMOVE DEAD AND DEFECTIVE BRANCHES FOR SAFETY. THE PROJECT ARBORIST CAN HELP IDENTIFY WHERE PRUNING IS NECESSARY ONCE TREES RECOMMENDED FOR REMOVAL HAVE BEEN REMOVED AND THE SITE IS PREPARED FOR CONSTRUCTION. TREE REMOVAL AND PRUNING SHALL BE PERFORMED BY A QUALIFIED TREE SERVICE.

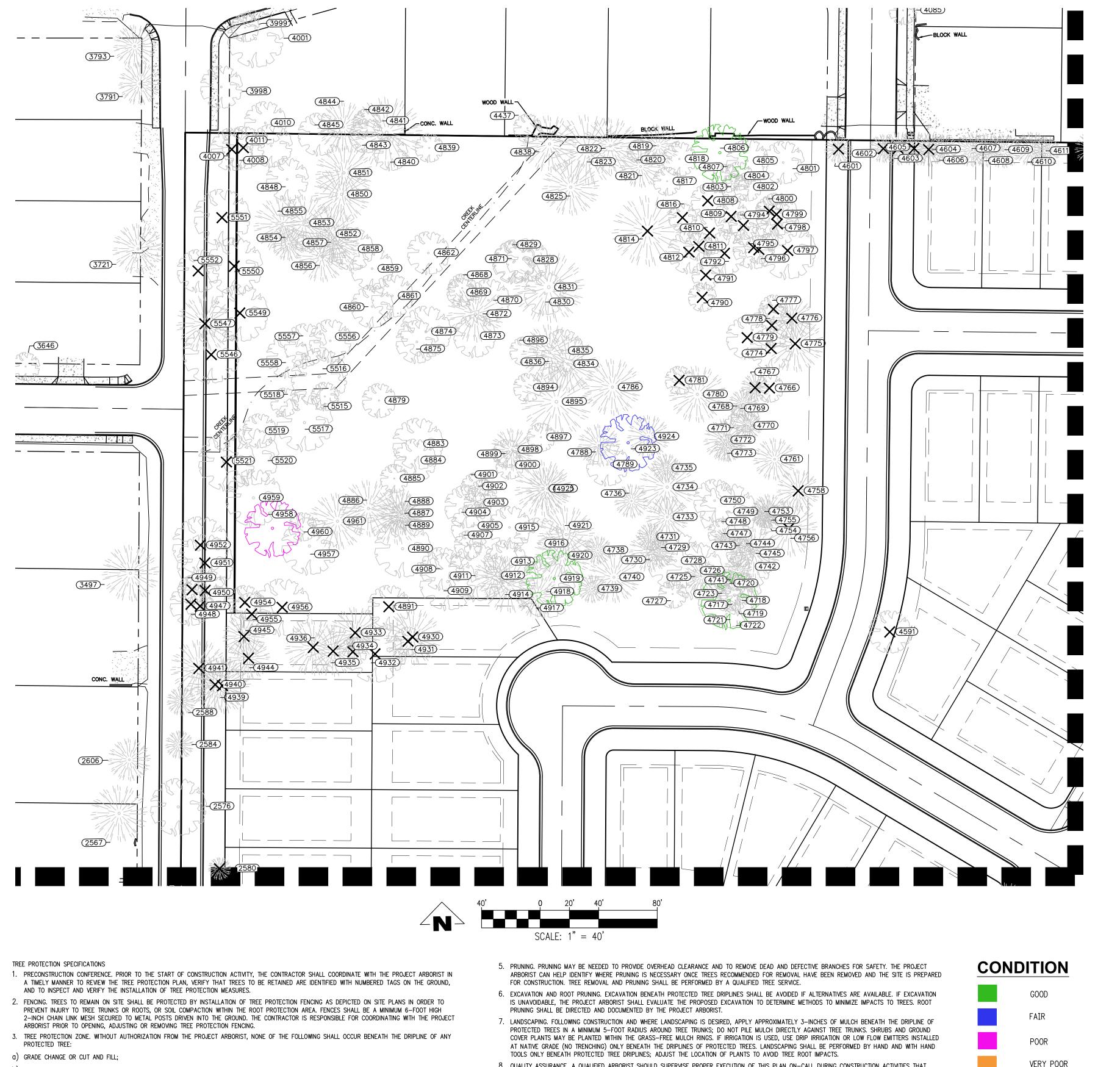
EXCAVATION AND ROOT PRUNING. EXCAVATION BENEATH PROTECTED TREE DRIPLINES SHALL BE AVOIDED IF ALTERNATIVES ARE AVAILABLE. IF EXCAVATION IS UNAVOIDABLE, THE PROJECT ARBORIST SHALL EVALUATE THE PROPOSED EXCAVATION TO DETERMINE METHODS TO MINIMIZE IMPACTS TO TREES. ROOT PRUNING SHALL BE DIRECTED AND DOCUMENTED BY THE PROJECT ARBORIST.

- 7. LANDSCAPING. FOLLOWING CONSTRUCTION AND WHERE LANDSCAPING IS DESIRED, APPLY APPROXIMATELY 3-INCHES OF MULCH BENEATH THE DRIPLINE OF PROTECTED TREES IN A MINIMUM 5-FOOT RADIUS AROUND TREE TRUNKS; DO NOT PILE MULCH DIRECTLY AGAINST TREE TRUNKS. SHRUBS AND GROUND COVER PLANTS MAY BE PLANTED WITHIN THE GRASS-FREE MULCH RINGS. IF IRRIGATION IS USED, USE DRIP IRRIGATION OR LOW FLOW EMITTERS INSTALLED AT NATIVE GRADE (NO TRENCHING) ONLY BENEATH THE DRIPLINES OF PROTECTED TREES. LANDSCAPING SHALL BE PERFORMED BY HAND AND WITH HAND TOOLS ONLY BENEATH PROTECTED TREE DRIPLINES; ADJUST THE LOCATION OF PLANTS TO AVOID TREE ROOT
- 8. QUALITY ASSURANCE. A QUALIFIED ARBORIST SHOULD SUPERVISE PROPER EXECUTION OF THIS PLAN ON-CALL DURING CONSTRUCTION ACTIVITIES THAT COULD ENCROACH ON RETAINED TREES. TREE PROTECTION SITE INSPECTION MONITORING REPORTS SHOULD BE PROVIDED TO THE CLIENT AND CITY FOLLOWING EACH SITE VISIT PERFORMED DURING CONSTRUCTION.
- 9. REASSESSMENT. TREES THAT ARE RETAINED WITH SITE IMPROVEMENT WORK SHOULD BE REASSESSED IN TERMS OF FUTURE HOME PLANS; ADDITIONAL TREE REMOVAL OR ALTERNATIVE TREE PROTECTION

TREE PRESERVATION						
PROPOSED PLAN	NUMBER OF TREES					
ONSITE TREES REMOVED	447					
ONSITE SIGNIFICANT TREES REMOVED	4					
TOTAL TREES REMOVED	451					
ONSITE TREES PRESERVED	200					
TOTAL ONSITE TREES (INCLUDING SIGNIFICANT)	651					
PERCENTAGE OF TREES PRESERVED	30.72%					

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P3.0



8. QUALITY ASSURANCE. A QUALIFIED ARBORIST SHOULD SUPERVISE PROPER EXECUTION OF THIS PLAN ON-CALL DURING CONSTRUCTION ACTIVITIES THAT COULD ENCROACH ON RETAINED TREES. TREE PROTECTION SITE INSPECTION MONITORING REPORTS SHOULD BE PROVIDED TO THE CLIENT AND CITY FOLLOWING EACH SITE VISIT PERFORMED DURING CONSTRUCTION.

9. REASSESSMENT. TREES THAT ARE RETAINED WITH SITE IMPROVEMENT WORK SHOULD BE REASSESSED IN TERMS OF FUTURE HOME PLANS; ADDITIONAL TREE REMOVAL OR ALTERNATIVE TREE PROTECTION MEASURES MAY BE NEEDED.

VERY POOR

2576 2580 2584 2588 2606 3497 3646 3721 3791 3793 3998	OAK FIR PINE PINE PINE	18 12 14					
2584 2588 2606 3497 3646 3721 3791 3793	PINE PINE				l '		
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2606 3497 3646 3721 3791 3793		12		4786	FIR	20	
3646 3721 3791 3793		24					
3721 3791 3793	FIR	30		4788	FIR	14	
3791 3793	DECD	12		4789	ALDER	10	DEMOVE
3793	FIR FIR	24		4790 4791	OAK OAK	14 16	REMOVE REMOVE
-	FIR	20		4792	OAK (x2)	14	REMOVE
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				4794	OAK	14	REMOVE
4001	OAK	20		4795	OAK	18	REMOVE
1007	0.414	- 10	55140145	4796	OAK	12	REMOVE
4007 4008	OAK OAK	16 10	REMOVE REMOVE	4797 4798	OAK OAK	18 16	REMOVE REMOVE
4010	OAK	14	REMOVE	4799	OAK (x3)	12	REMOVE
4011	OAK	12		4800	OAK (x2)	10	REMOVE
4437	MAPLE	16		4801	OAK	16	
4591	WALNUT	22	REMOVE	4802	OAK	10	
4601	FIR (x2)	12	REMOVE	4803	OAK	10	
4602	FIR	14	REMOVE	4804	OAK	10	
4603 4604	FIR FIR	22 15	REMOVE REMOVE	4805 4806	OAK OAK	14 24	
4605	FIR	15	REMOVE	4807	OAK	10	
4606	FIR	14		4808	OAK	12	REMOVE
4607	FIR	18		4809	OAK	14	REMOVE
4608	FIR	18		4810	MAPLE (x3)	10	REMOVE
4609	FIR	14		4811	OAK	10	REMOVE
4610	FIR	16		4812	OAK	14	REMOVE
4611 4711	FIR FIR	10 18		4814	FIR	28	REMOVE
				4816	OAK	10	REMOVE
4717	OAK	10		4817	OAK	10	
4718	OAK	16		4818	OAK	10	
4719	OAK	10		4819	FIR	20	
4720 4721	OAK OAK	10 28		4820 4821	DECD FIR	10 20	
4721	OAK	18		4821	FIR	24	
4723	OAK	10		4823	FIR (x2)	24	
				4825	FIR	24	
4725	FIR	12		4828	OAK	14	
4726	OAK	22		4829	OAK (x2)	10	
4727	OAK (×2)	12		4830	OAK	16	
4728 4729	OAK (x2) FIR	18 14		4831 4834	FIR FIR	30 18	
4729	FIR	22		4835	OAK	16	
4731	FIR	12		4836	FIR	20	
4733	FIR	26		4838 4839	FIR DECD	32 12	
4734	FIR	36		4840	OAK	10	
4735	FIR	10		4841	FIR	32	
4736	FIR	16		4842	OAK	10	
4738	FIR	12		4843 4844	OAK FIR	14 24	
4739	FIR	12		4845	OAK	16	
4740	FIR	28			21.07		
4741	FIR	12					
4742	OAK (x3)	14		4848	OAK	12	
4743	OAK	10					
4744	FIR	12		4850	FIR	30	
4745	FIR	20		4851 4852	FIR FIR	28 30	
4747	DECD	10		4853	FIR	28	
4748	DECD (x2)	18		4854	FIR	12	
4749	OAK	22		4855	FIR	32	
4750	OAK	20		4856	FIR	16	
				4857 4858	FIR OAK	16 12	
4753	FIR	16		4858 4859	OAK (x2)	12	
4754	FIR	12		4860	OAK (XZ)	13	
4755	FIR	20		4861	OAK	16	
4756	FIR	22	REMOVE	4862	OAK (x2)	12	
	_			4868	OAK	14	
4758	FIR	24	REMOVE	4869	OAK	14	
				4870 4871	OAK OAK (x2)	14 12	
4761	FIR	26		4871	FIR	28	
				4873	OAK	12	
				4874	OAK (x3)	12	
				4875	OAK	14	
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4768	FIR	12	7_				
4769	OAK	14		4883	ALDER	14	
4770	FIR	14		4884	OAK	16	
4771	OAK	10		4885	OAK	10	
4772	FIR	20		4886	FIR	18	
4773 4774	FIR OAK	16 16	REMOVE	4887 4888	FIR FIR	24 14	
4775	FIR (x2)	18	REMOVE	4888	FIR	10	
4776	FIR	20	REMOVE	4890	OAK	20	
4777	OAK	14	REMOVE	4891	OAK (x2)	14	REMOVE
4778	OAK (x2)	12	REMOVE	4894	OAK	10	
	OAK	12	REMOVE	4895	FIR	30	
4779 4780	FIR	26		4896	OAK (x2)	10	

1	TREE #	SPECIES	DBH*	REMOVE
	4898	FIR	14	
	4899	OAK	14	
	4900	OAK	12	
	4901	OAK	10	
	4902	OAK	12	
	4903	OAK	10	
	4904	OAK	14	
	4905	OAK	16	
ł	4907	OAK	12	
	4908	OAK	16	
	4909	OAK	18	
	4909	UAK	10	
-		0.114 (7)	1.2	
	4911	OAK (x3)	16	
	4912	FIR	10	
	4913	OAK	16	
	4914	FIR	36	
	4915	OAK (x4)	12	
	4916	OAK	22	
	4917	FIR	18	
	4918	OAK	12	
1	4919	OAK	28	
1	4920	FIR	24	
1	4921	FIR	24	
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	4924	FIR	25	
1	4925	FIR	18	
	4926	FIR	24	
	4930	FIR	26	REMOVE
	4931	OAK	12	REMOVE
1	4932	OAK (x2)	18	REMOVE
İ	4933	FIR	16	REMOVE
i	4934	OAK	10	REMOVE
	4935	FIR	16	REMOVE
	4936	FIR	28	REMOVE
	4930	FIX	20	REMOVE
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ł		FIR	22	REMOVE
	4940	FIR FIR	18	REMOVE REMOVE
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	4940 4941	FIR FIR	18 18	REMOVE REMOVE
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	4940 4941 4944 4945 4947 4948 4949 4950 4951 4952 4954 4955 4956 4957 4959 4960 4961	FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK OAK OAK OA	18 18 22 18 12 16 12 14 22 18 14 12 18 18 16 12 28	REMOVE
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	4940 4941 4944 4945 4947 4948 4949 4950 4951 4952 4954 4955 4956 4957 4959 4960 4961 5515 5516 5517 5518 5519 5520 5521 5546 5547 5549 5550 5551	FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK OAK OAK OA	18 18 22 18 12 16 12 14 22 18 14 12 18 18 16 12 28 12 20 22 14 19 16 22 30 16 16 16 16 14	REMOVE
	4940 4941 4944 4945 4947 4948 4949 4950 4951 4952 4954 4955 4956 4957 4959 4960 4961 5515 5516 5517 5518 5519 5520 5521 5546 5547 5549 5550 5551 5552	FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK OAK OAK OA	18 18 18 22 18 12 16 12 14 22 18 18 14 12 18 18 16 12 28 12 20 22 12 14 19 16 22 30 16 16 16 16 14 14	REMOVE
	4940 4941 4944 4945 4947 4948 4949 4950 4951 4952 4954 4955 4956 4957 4959 4960 4961 5515 5516 5517 5518 5519 5520 5521 5546 5547 5549 5550 5551	FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK OAK OAK OA	18 18 22 18 12 16 12 14 22 18 14 12 18 18 16 12 28 12 20 22 14 19 16 22 30 16 16 16 16 14	REMOVE
	4940 4941 4944 4945 4947 4948 4949 4950 4951 4952 4954 4955 4956 4957 4959 4960 4961 5515 5516 5517 5518 5519 5520 5521 5546 5547 5549 5550 5551 5552	FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK OAK OAK OA	18 18 18 22 18 12 16 12 14 22 18 18 14 12 18 18 16 12 28 12 20 22 12 14 19 16 22 30 16 16 16 16 14 14	REMOVE

E PRESERVATION /
REMOVAL PLAN NORTHWEST INCLUDED IN TREE PRESERVATION COUNT.

SHEET

b) NEW IMPERVIOUS SURFACES;

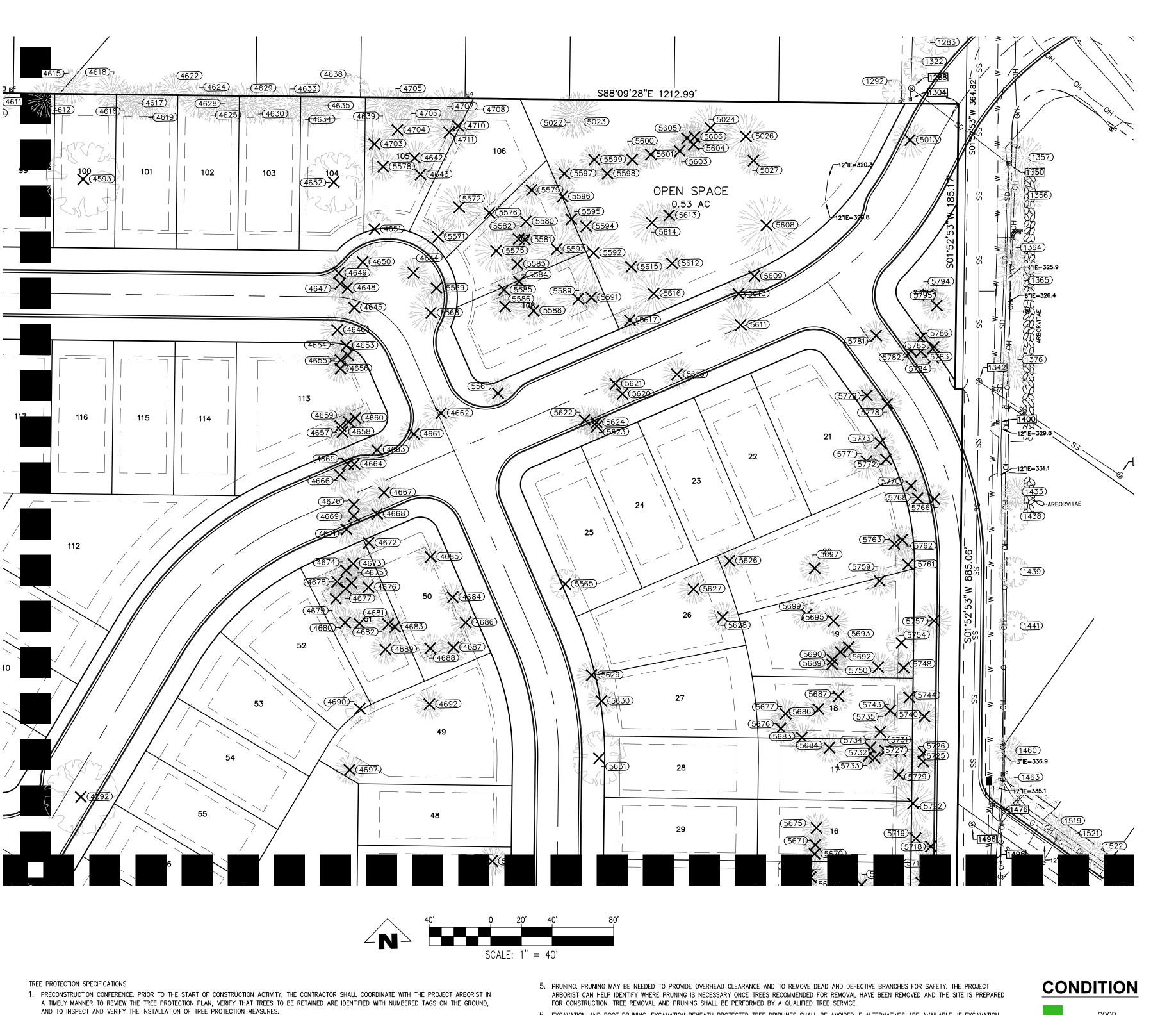
c) UTILITY OR DRAINAGE FIELD PLACEMENT;

d) STAGING OR STORAGE OF MATERIALS AND EQUIPMENT; OR

e) VEHICLE MANEUVERING.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT ARBORIST IN A TIMELY MANNER PRIOR TO WORKING BENEATH PROTECTED TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON

4. TREE AND STUMP REMOVAL. TREES TO BE REMOVED SHALL BE CLEARLY IDENTIFIED WITH TREE-MARKING PAINT OR OTHER METHODS APPROVED IN ADVANCE BY THE PROJECT ARBORIST. PROTECTION FENCING MAY BE TEMPORARILY OPENED IN TRACT B FOR REMOVAL OF TREES #6654 AND #6655, IN THE REAR OF LOT 3 FOR REMOVAL OF TREE #6248 AND #6375, IN THE REAR OF LOT 9 FOR REMOVAL OF TREE #50316 AND IN THE REAR OF LOT 10 FOR REMOVAL OF TREES #50398 AND #50399. WITHIN TREE PROTECTION ZONES, TREE REMOVAL SHALL BE PERFORMED WITH HAND TOOLS ONLY AND TREES SHALL BE DIRECTIONALLY FELLED OR SURGICALLY REMOVED TO AVOID DAMAGE TO REMAINING NEARBY TREES. THE STUMPS OF THESE PARTICULAR TREES SHALL REMAIN IN THE GROUND, BE REMOVED APPROXIMATELY 6-INCHES BELOW THE GROUND SURFACE USING A STUMP GRINDER, OR ELSE EXTRACTED FROM THE GROUND UNDER ARBORIST SUPERVISION.



- 2. FENCING. TREES TO REMAIN ON SITE SHALL BE PROTECTED BY INSTALLATION OF TREE PROTECTION FENCING AS DEPICTED ON SITE PLANS IN ORDER TO PREVENT INJURY TO TREE TRUNKS OR ROOTS, OR SOIL COMPACTION WITHIN THE ROOT PROTECTION AREA. FENCES SHALL BE A MINIMUM 6-FOOT HIGH 2-INCH CHAIN LINK MESH SECURED TO METAL POSTS DRIVEN INTO THE GROUND. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE PROJECT ARBORIST PRIOR TO OPENING, ADJUSTING OR REMOVING TREE PROTECTION FENCING.
- 3. TREE PROTECTION ZONE. WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST, NONE OF THE FOLLOWING SHALL OCCUR BENEATH THE DRIPLINE OF ANY
- PROTECTED TREE: a) GRADE CHANGE OR CUT AND FILL;
- b) NEW IMPERVIOUS SURFACES;
- c) UTILITY OR DRAINAGE FIELD PLACEMENT;
- d) STAGING OR STORAGE OF MATERIALS AND EQUIPMENT; OR
- e) VEHICLE MANEUVERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT ARBORIST IN A TIMELY MANNER PRIOR TO WORKING BENEATH PROTECTED TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON
- 4. TREE AND STUMP REMOVAL. TREES TO BE REMOVED SHALL BE CLEARLY IDENTIFIED WITH TREE-MARKING PAINT OR OTHER METHODS APPROVED IN ADVANCE BY THE PROJECT ARBORIST. PROTECTION FENCING MAY BE TEMPORARILY OPENED IN TRACT B FOR REMOVAL OF TREES #6654 AND #6655, IN THE REAR OF LOT 3 FOR REMOVAL OF TREE #6248 AND #6375, IN THE REAR OF LOT 9 FOR REMOVAL OF TREE #50316 AND IN THE REAR OF LOT 10 FOR REMOVAL OF TREES #50398 AND #50399. WITHIN TREE PROTECTION ZONES, TREE REMOVAL SHALL BE PERFORMED WITH HAND TOOLS ONLY AND TREES SHALL BE DIRECTIONALLY FELLED OR SURGICALLY REMOVED TO AVOID DAMAGE TO REMAINING NEARBY TREES. THE STUMPS OF THESE PARTICULAR TREES SHALL REMAIN IN THE GROUND, BE REMOVED APPROXIMATELY 6-INCHES BELOW THE GROUND SURFACE USING A STUMP GRINDER, OR ELSE EXTRACTED FROM THE GROUND UNDER ARBORIST SUPERVISION.

- 6. EXCAVATION AND ROOT PRUNING. EXCAVATION BENEATH PROTECTED TREE DRIPLINES SHALL BE AVOIDED IF ALTERNATIVES ARE AVAILABLE. IF EXCAVATION IS UNAVOIDABLE, THE PROJECT ARBORIST SHALL EVALUATE THE PROPOSED EXCAVATION TO DETERMINE METHODS TO MINIMIZE IMPACTS TO TREES. ROOT PRUNING SHALL BE DIRECTED AND DOCUMENTED BY THE PROJECT ARBORIST.
- 7. LANDSCAPING. FOLLOWING CONSTRUCTION AND WHERE LANDSCAPING IS DESIRED, APPLY APPROXIMATELY 3-INCHES OF MULCH BENEATH THE DRIPLINE OF PROTECTED TREES IN A MINIMUM 5-FOOT RADIUS AROUND TREE TRUNKS; DO NOT PILE MULCH DIRECTLY AGAINST TREE TRUNKS. SHRUBS AND GROUND COVER PLANTS MAY BE PLANTED WITHIN THE GRASS-FREE MULCH RINGS. IF IRRIGATION IS USED, USE DRIP IRRIGATION OR LOW FLOW EMITTERS INSTALLED AT NATIVE GRADE (NO TRENCHING) ONLY BENEATH THE DRIPLINES OF PROTECTED TREES. LANDSCAPING SHALL BE PERFORMED BY HAND AND WITH HAND TOOLS ONLY BENEATH PROTECTED TREE DRIPLINES; ADJUST THE LOCATION OF PLANTS TO AVOID TREE ROOT IMPACTS.
- 8. QUALITY ASSURANCE. A QUALIFIED ARBORIST SHOULD SUPERVISE PROPER EXECUTION OF THIS PLAN ON-CALL DURING CONSTRUCTION ACTIVITIES THAT COULD ENCROACH ON RETAINED TREES. TREE PROTECTION SITE INSPECTION MONITORING REPORTS SHOULD BE PROVIDED TO THE CLIENT AND CITY FOLLOWING EACH SITE VISIT PERFORMED DURING CONSTRUCTION.
- 9. REASSESSMENT. TREES THAT ARE RETAINED WITH SITE IMPROVEMENT WORK SHOULD BE REASSESSED IN TERMS OF FUTURE HOME PLANS; ADDITIONAL TREE REMOVAL OR ALTERNATIVE TREE PROTECTION MEASURES MAY BE NEEDED.

POOR VERY POOR

4666	FIR	14	REMOVE	5
4667	FIR	14	REMOVE	5
4668	FIR	14	REMOVE	[[
4669	FIR	16	REMOVE	
4670	FIR	14	REMOVE	[[
4671	FIR	16	REMOVE	[[
4672	FIR	10	REMOVE	5
4673	FIR	16	REMOVE	[[
4674	FIR	16	REMOVE	[[
4675	FIR	14	REMOVE	[[
4676	FIR	14	REMOVE	[[
4677	FIR	12	REMOVE	
4678	FIR	18	REMOVE	5
4679	FIR	18	REMOVE	
4680	FIR	24	REMOVE	5
4681	FIR	18	REMOVE	5
4682	FIR	12	REMOVE	5
4683	FIR	18	REMOVE	
4684	FIR	12	REMOVE	5
4685	FIR	10	REMOVE	5
4686	FIR	10	REMOVE	5
4687	FIR	16	REMOVE	5
4688	FIR (x2)	12	REMOVE	5
4689	FIR	24	REMOVE	-;
4690	MADRONA	10	REMOVE	
				5
4692	FIR	16	REMOVE	5
				5
				[:
				5
4697	FIR	10		
4703	FIR	20	REMOVE	5
4704	FIR	18	REMOVE	_ 5
4705	FIR	12		5
4706	FIR	16	REMOVE	
4707	FIR	16		
4708	FIR	12		

TREE # SPECIES DBH* REMOVE

1521 PINE

4593

4619

4628

4629

4630

4645 4646

4649 4650

4655

4660

4663

4665

4592 WALNUT 32 REMO

4612 FIR (x2) 14

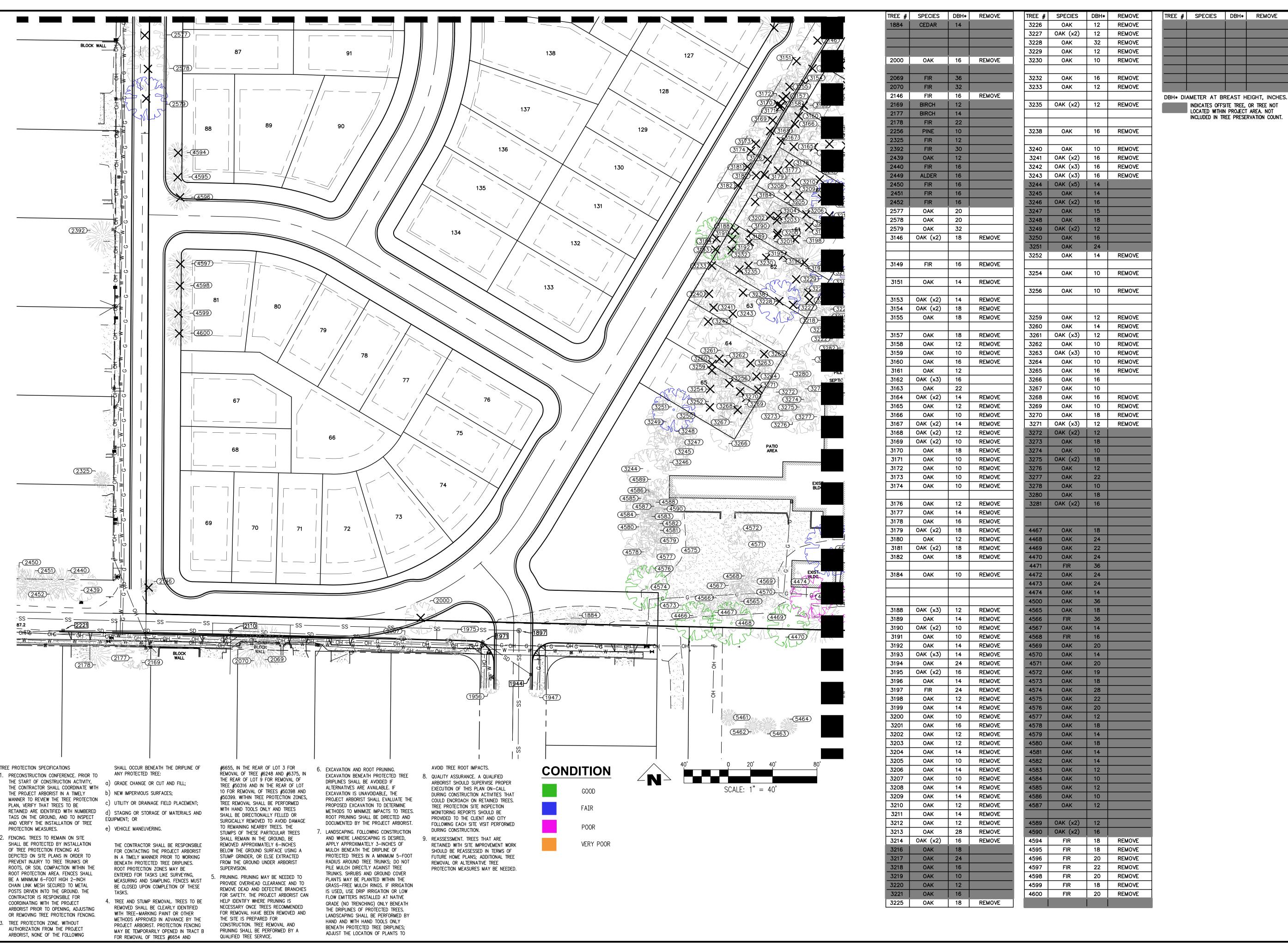
TREE # SPECIES DBH* REMOVE

TREE # SPECIES DBH*

SPECIES	DBH*	REMOVE	TREE #	SPECIES	DBH*	REMOVE	TREE #	SPECIES	DBH*	REMOVE
OAK	12		4710	FIR	16	REMOVE			\longmapsto	
			4711	FIR	18	REMOVE	5683	PINE	10	REMOVE
			5013	MADRONA	12	REMOVE	5684	FIR	12	REMOVE
TR	18						5686	FIR	10	REMOVE
IR	18		5022	FIR	16		5687	PINE	12	REMOVE
			5023	FIR	32		, 333,		 '-	
10	20					DEMOVE.	5680	- FID	+ 10	
FIR	20		5024	FIR	18	REMOVE	5689	FIR	12	REMOVE
FIR	14						5690	PINE	12	REMOVE
FIR	10		5026	FIR	28	REMOVE			igsquare	
			5027	FIR	16	REMOVE	5692	FIR	10	REMOVE
IRCH	12						5693	FIR	12	REMOVE
IRCH	12									
							5695	PINE	14	REMOVE
									+	
			5561	FIR	14	REMOVE	5697	PINE	14	REMOVE
	10		3301	TIIX	'	KLWOVL	5097	FINE	 '- 	- INLINIO VL
PINE	18								 	
							5699	PINE	12	REMOVE
ALNUT	32	REMOVE					5716	PINE	12	
ALNUT	24	REMOVE	5565	MADRONA	10	REMOVE				
(x2)	14						5718	PINE	10	REMOVE
FIR	12						5719	FIR	12	REMOVE
FIR	14		5568	FIR	20	REMOVE				
FIR	14		5569	FIR	16	REMOVE				
PINE	14				 	, , , ,	5722	FIR	16	REMOVE
FIR	16		5571	FIR	18	REMOVE	3,22	1 113	 	
									++	
FIR	14		5572	FIR	20	REMOVE		==	1	
FIR	16				$\sqcup \sqcup$		5725	PINE	12	REMOVE
FIR	18				$oxedsymbol{oxed}$		5726	PINE	12	REMOVE
FIR	16		5575	FIR	20	REMOVE	5727	PINE	10	REMOVE
FIR	22		5576	FIR	20	REMOVE				
FIR	16						5729	PINE	14	REMOVE
FIR	18		5578	FIR	18	REMOVE		· ··· -	1	
(x2)	22		5579	FIR	16		5731	PINE	10	REMOVE
						REMOVE			+ +	
FIR	20		5580	FIR	18	REMOVE	5732	PINE	10	REMOVE
ECD	14		5581	FIR	16	REMOVE	5733	PINE	10	REMOVE
FIR	14		5582	FIR	14	REMOVE	5734	PINE	10	REMOVE
FIR	16	REMOVE	5583	FIR	10	REMOVE	5735	PINE	10	REMOVE
FIR	16	REMOVE	5584	FIR	12	REMOVE				
FIR	14	REMOVE	5585	FIR	16	REMOVE			T 1	
FIR	18	REMOVE	5586	FIR	12	REMOVE			 	
FIR	12	REMOVE		•	 				1 1	
	_		5588	CID .	16	DEMOVE	5740	DINE	10	DEMON!E
FIR	18	REMOVE		FIR	16	REMOVE	5740	PINE	10	REMOVE
FIR	14	REMOVE	5589	FIR	22	REMOVE			++	
FIR	18	REMOVE							++	
FIR	18	REMOVE	5591	FIR	14	REMOVE	5743	PINE	10	REMOVE
DRONA	10	REMOVE	5592	FIR	26	REMOVE	5744	FIR	10	REMOVE
LNUT	28	REMOVE	5593	FIR	20	REMOVE				
FIR	12	REMOVE	5594	FIR	16	REMOVE				
FIR	16	REMOVE	5595	FIR	10	REMOVE			 	
FIR	14	REMOVE	5596	FIR	16	REMOVE	5748	FIR	10	REMOVE
	14	REMOVE	5597	FIR	16	REMOVE	3740		 	TILIVIOVE
					-		5750	5005	10	
FIR	20	REMOVE	5598	FIR	14	REMOVE	5750	PINE	12	REMOVE
FIR	18	REMOVE	5599	FIR	18	REMOVE			\sqcup	
FIR	18	REMOVE	5600	FIR	16	REMOVE	5754	MADRONA	10	REMOVE
FIR	12	REMOVE	5601	FIR	16	REMOVE				
FIR	12	REMOVE								
FIR	14	REMOVE	5603	FIR	16	REMOVE	5757	PINE	12	REMOVE
FIR	14	REMOVE	5604	FIR	18	REMOVE			1	
	_		5605				5750	DINE	12	REMOVE
FIR	18	REMOVE		FIR	18	REMOVE	5759	PINE	12	REMUVE
FIR	20	REMOVE	5606	FIR	18	REMOVE			+	
FIR	14	REMOVE	5608	FIR	26	REMOVE	5761	FIR	10	REMOVE
FIR	14	REMOVE	5609	FIR	10	REMOVE	5762	FIR	10	REMOVE
FIR	14	REMOVE	5610	FIR	18	REMOVE	5763	PINE	10	REMOVE
FIR	16	REMOVE	5611	FIR	20	REMOVE				
FIR	14	REMOVE	5612	FIR	14	REMOVE				
FIR	16	REMOVE	5613	FIR	10	REMOVE	5766	PINE	12	REMOVE
FIR	10	REMOVE	5614	FIR	18	REMOVE	3,30		 	
			5615				5700	PINE	10	DEMON!
FIR	16	REMOVE		FIR	18	REMOVE	5768	TINE	+'0-	REMOVE
FIR	16	REMOVE	5616	FIR	18	REMOVE			 	
FIR	14	REMOVE	5617	FIR	16	REMOVE	5770	FIR	10	REMOVE
FIR	14	REMOVE	5618	FIR	16	REMOVE	5771	FIR	12	REMOVE
FIR	12	REMOVE					5772	FIR	10	REMOVE
FIR	18	REMOVE	5620	FIR	16	REMOVE	5773	PINE	10	REMOVE
FIR	18	REMOVE	5621	FIR	18	REMOVE				
FIR	24	REMOVE	5622	FIR	18	REMOVE			 	
FIR	18	REMOVE	5623	FIR	16	REMOVE			+	
					 				++	
FIR	12	REMOVE	5624	FIR	14	REMOVE	<u>-</u>	— , —	+	
FIR	18	REMOVE			\sqcup		5778	FIR	10	REMOVE
FIR	12	REMOVE	5626	FIR	18	REMOVE	5779	PINE	12	REMOVE
FIR	10	REMOVE	5627	FIR	16	REMOVE				
FIR	10	REMOVE	5628	FIR	12	REMOVE	5781	PINE	10	REMOVE
-IR	16	REMOVE	5629	FIR	12	REMOVE	5782	PINE	12	REMOVE
(x2)	12	REMOVE	5630	FIR	12	REMOVE	5783	FIR	10	REMOVE
							<u> </u>		_	
TR	24	REMOVE	5631	CTNWD	28	REMOVE	5784	PINE	10	REMOVE
RONA	10	REMOVE					5785	FIR	10	REMOVE
			5633	FIR	12		5786	FIR	10	REMOVE
-IR	16	REMOVE	5669	FIR	12			<u>——</u>		
			5670	FIR	12	REMOVE			 	
			5671	PINE	10	REMOVE			 	
			5672	PINE	10	V L	,		+	
	 		3072	FIINE	'				++	
								<u> </u>	+	
	10				\sqcup			<u> </u>	+	
īR		REMOVE	5675	PINE	10	REMOVE				
TIR TIR	20	DE140)/E	5676	FIR	14	REMOVE	5794	PINE	10	REMOVE
	20 18	REMOVE						_ 	T	
IR IR	-	REMOVE	5677	FIR	12	REMOVE	5795	PINE	12	REMOVE
IR IR IR	18	REMOVE		FIR	12	REMOVE				
IR	18 12			FIR	12	REMOVE		PINE AMETER AT BI INDICATES OFFS	REAST H	EIGHT, INCH

PRESERVATION AND SEMOVAL PLAN -NORTHEAST REMOVAL

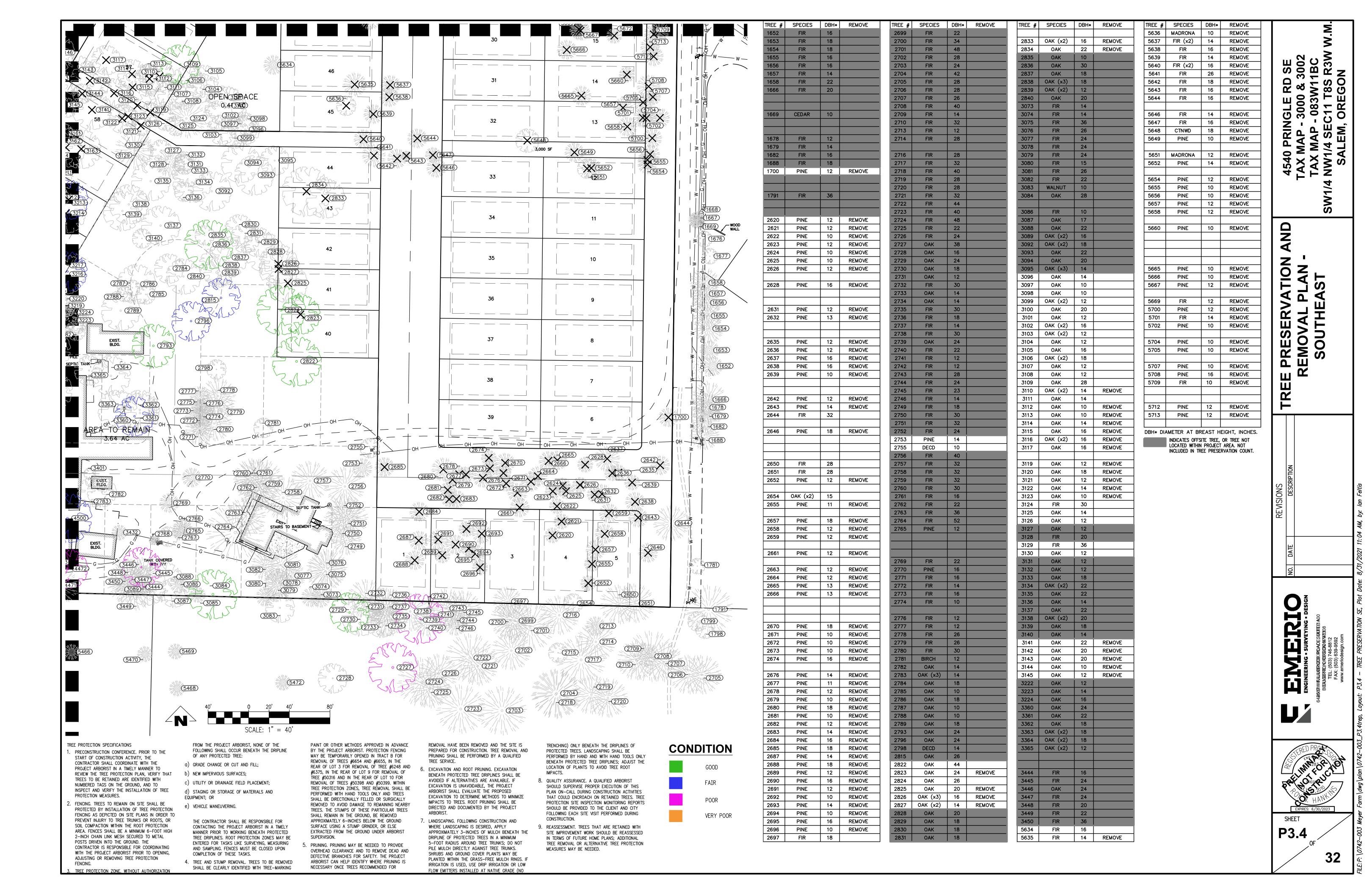
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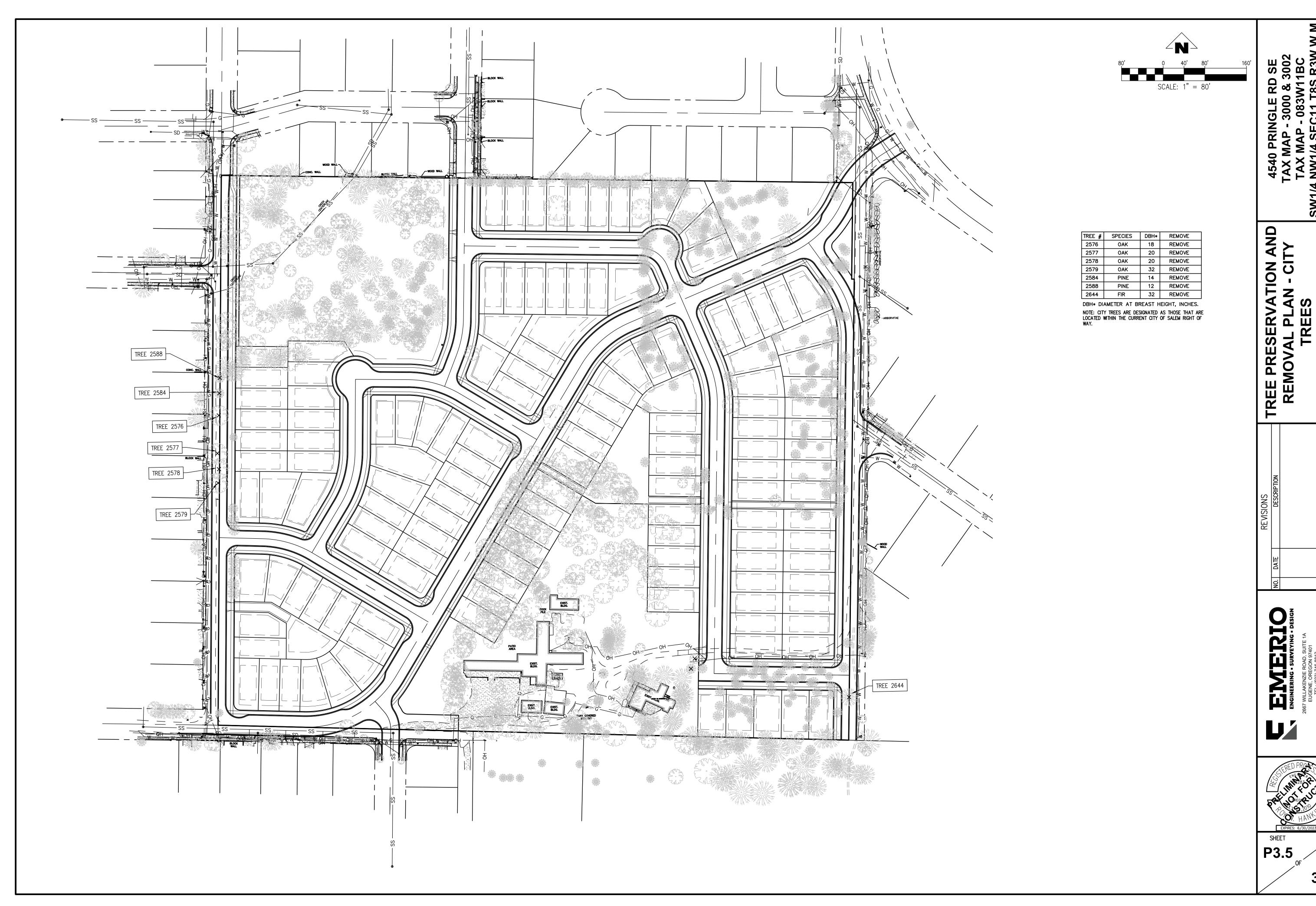


... SE ... J. SE ... J. 0.0.2 J. 0. 4540 PRINGLE I TAX MAP - 3000 TAX MAP - 083V AND PRESERVATION SEMOVAL PLAN -REMOVAL **MERI** Щ

SOUTHWEST

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MEMORANDUM

DATE: August 31, 2021

TO: Roy Hankins (Emerio)

FROM: Todd Prager, RCA #597, ISA Board Certified Master Arborist

RE: Tree Assessment at Meyer Farm

Summary

This report includes a summary of trees that have fallen, died, or been removed since the initial survey for the Meyer Farm site.

Background

Emerio is designing the proposed Meyer Farm subdivision at 4540 Pringle Road SE in Salem, Oregon. The survey of existing trees at the site occurred in 2019, and many trees in Salem have been lost since that time due in part to a catastrophic ice storm in February 2021.

My assignment for this project was to visit the site, assess trees shown as 10-inch DBH or greater in Attachment 1, and provide a list of the fallen, dead, and removed trees.

Tree Assessment

On August 26, 2021, I visited the Meyer Farm Subdivision site to identify trees that have fallen, died, or been removed since the initial survey. During my site visit I assessed 63 trees that had significant health or structural issues. The inventory of these trees is provided in Attachment 1 and includes the tree number, species (common and scientific names), comments, and notations of fallen, dead, or removed trees. Attachment 2 is the tree plan with the highlighted locations of the 63 trees. Table 1 is a summary of assessment.

Table 1: Summary of Fallen, Dead, and Removed Trees

Tree Condition	Number of Trees
Fallen	6
Dead	24
Removed	4
Total	34

As shown in Table 1, a total of 34 trees are fallen, dead, or removed. The remaining 29 of 63 trees that I assessed had significant health and/or structural issues but were still standing and alive.

Conclusion

A total of 34 assessed trees are fallen, dead, or removed at the Meyer Farm site. The remaining 29 of 63 assessed trees had significant health and/or structural issues but were still standing and alive.

Please contact me if you have questions, concerns, or need any additional information.

Sincerely,
Todd Prager

Todd Prager

ASCA Registered Consulting Arborist #597 ISA Board Certified Master Arborist, WE-6723B ISA Qualified Tree Risk Assessor

AICP, American Planning Association

Enclosures: Attachment 1 – Inventory of Assessed Trees

Attachment 2 – Site Map with Assessed Trees Highlighted



Attachment 2

Tree No.	Common Name	Scientific Name	Comments	Removed	Fallen Over	Dead
1.670	Davidas fix	Daniel data i angula angula ai	topped for overhead high voltage lines			
1678	Douglas-fir	Pseudotsuga menziesii	with extensive decay at 15'			
1700	ponderosa pine	Pinus ponderosa	broken top at 30'			
1790	Douglas-fir	Pseudotsuga menziesii	dead, failed at 25'			х
2623	ponderosa pine	Pinus ponderosa	lost top at 30'			
2625	ponderosa pine	Pinus ponderosa	lost top at 20'			
2627	ponderosa pine	Pinus ponderosa	lost top at 20', dead			х
2629	ponderosa pine	Pinus ponderosa	lost top at 15', dead			х
2635	ponderosa pine	Pinus ponderosa	lost top at 20'			
2636	ponderosa pine	Pinus ponderosa	lost top at 20'			
2640	ponderosa pine	Pinus ponderosa	lost top at 20', dead			х
2641	ponderosa pine	Pinus ponderosa	lost top at 20', dead			х
2642	ponderosa pine	Pinus ponderosa	lost top at 20'			
2647	ponderosa pine	Pinus ponderosa	dead, lost top at 30'			х
2648	ponderosa pine	Pinus ponderosa	dead, lost top at 30'			х
2649	ponderosa pine	Pinus ponderosa	dead, lost top at 25'			х
2659	ponderosa pine	Pinus ponderosa	lost top at 40'			
2660	ponderosa pine	Pinus ponderosa	dead, fallen over		х	
2661	ponderosa pine	Pinus ponderosa	lost top at 20'			
2662	ponderosa pine	Pinus ponderosa	stump	Х		
2663	ponderosa pine	Pinus ponderosa	lost top at 25'			
2664	ponderosa pine	Pinus ponderosa	lost top at 25'			
2666	ponderosa pine	Pinus ponderosa	lost top at 30'			
2692	ponderosa pine	Pinus ponderosa	lost top at 25'			
2696	ponderosa pine	Pinus ponderosa	lost top at 25'			
2727	Oregon white oak	Quercus garryana	large scaffold and codominant branch failures, moderately thin crown			

Teragan Associates, Inc.
3145 Westview Circle • Lake Oswego, OR 97034
Phone: 971.295.4835 • Fax: 503.697.1976

Email: todd@teragan.com • Website: teragan.com



Attachment 2

Tree No.	Common Name	Scientific Name	Comments	Removed	Fallen Over	Dead
			overtopped by adjacent trees,			
2739	Oregon white oak	Quercus garryana	suppressed, significant branch dieback			
			and failures			
2832	Oregon white oak	Quercus garryana	dead, fallen over		х	
3157	Oregon white oak	Quercus garryana	top failed			
3181	Oregon white oak	Quercus garryana	extensive branch failures			
3242	Oregon white oak	Quercus garryana	extensive branch failures			
3446	Oragon white oak	Ouerous garriana	one sided, significant lean, thin crown,			
3440	Oregon white oak	Quercus garryana	large branch failures			
4463	grand fir	Abies grandis	dead			х
4464	grand fir	Abies grandis	dead, stump	Х		
4465	grand fir	Abies grandis	dead, stump	Х		
4466	grand fir	Abies grandis	dead, stump	Х		
4472	Oragon white oak	Ouerous garriana	thin crown with significant branch			
4472	Oregon white oak	Quercus garryana	dieback and failures			
4.472	Oversen white eak	0	significant decay at lower trunk with			
4473	Oregon white oak	Quercus garryana	fungal fruiting bodies			
4591	black walnut	Juglans nigra	extensive dieback			
4505	ananal fin	Abias arrandis	top failed at 15' above ground with			
4595	grand fir	Abies grandis	significant decay			
4760	Oregon white oak	Quercus garryana	fallen over		х	
4762	Oregon white oak	Quercus garryana	fallen over		х	
4765	de de la companya de		species unknown, dead, smothered by			
4765	deciduous		ivy			X
4770	Outros Idio ad	2	significan branch failures, significant			
4778	Oregon white oak	Quercus garryana	ivy growth			
4782	red alder	Alnus rubra	dead, fallen over, covered with ivy		Х	
4783	Douglas-fir	Pseudotsuga menziesii	dead, smothered by ivy			х

Teragan Associates, Inc.

3145 Westview Circle • Lake Oswego, OR 97034 Phone: 971.295.4835 • Fax: 503.697.1976

Email: todd@teragan.com • Website: teragan.com



Attachment 2

Tree No.	Common Name	Scientific Name	Comments	Removed	Fallen Over	Dead
4784	Douglas-fir	Pseudotsuga menziesii	dead, smothered by ivy			х
4785	Douglas-fir	Pseudotsuga menziesii	dead, smothered by ivy			х
4813	Douglas-fir	Pseudotsuga menziesii	dead			Х
4922	Oregon white oak	Quercus garryana	dead			х
4942	Douglas-fir	Pseudotsuga menziesii	dead			х
4946	Douglas-fir	Pseudotsuga menziesii	dead			х
4958	Oregon white oak	Quercus garryana	smothered by ivy			
5028	grand fir	Abies grandis	dead			х
5029	grand fir	Abies grandis	dead			х
5626	grand fir	Abies grandis	dead top			
5645	grand fir	Abies grandis	dead			х
5655	Scots pine	Pinus sylvestris	significant crown thinning			
5678	grand fir	Abies grandis	dead			х
5679	Scots pine	Pinus sylvestris	dead			х
5686	Douglas-fir	Pseudotsuga menziesii	dead top			
5751	Scots pine	Pinus sylvestris	dead, failed at 8'		х	
5791	Douglas-fir	Pseudotsuga menziesii	dead			х
5793	Scots pine	Pinus sylvestris	dead			х

Tree Assessment at Meyer Farm August 31, 2021 Rov Hankins, Emerio Attachment 2 TREE PROTECTION SPECIFICATIONS 1. PRECONSTRUCTION CONFERENCE. PRIOR TO THE START OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST IN A TIMELY MANNER TO REVIEW THE TREE PROTECTION PLAN, VERIFY THAT TREES TO BE RETAINED ARE IDENTIFIED WITH NUMBERED TAGS ON THE GROUND, AND TO INSPECT AND VERIFY THE INSTALLATION OF TREE PROTECTION MEASURES. 2. FENCING. TREES TO REMAIN ON SITE SHALL BE PROTECTED BY INSTALLATION OF TREE PROTECTION FENCING AS DEPICTED ON SITE PLANS IN ORDER TO PREVENT INJURY TO TREE TRUNKS OR ROOTS, OR SOIL COMPACTION WITHIN THE ROOT PROTECTION AREA. FENCES SHALL BE A MINIMUM 6-FOOT HIGH 2-INCH CHAIN LINK MESH SECURED TO METAL POSTS DRIVEN INTO THE GROUND. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE PROJECT ARBORIST PRIOR TO OPENING, ADJUSTING OR REMOVING TREE PROTECTION FENCING. TREE PROTECTION ZONE. WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST, NONE OF THE FOLLOWING SHALL OCCUR BENEATH THE DRIPLINE OF ANY PROTECTED TREE: a) GRADE CHANGE OR CUT AND FILL; NEW IMPERVIOUS SURFACES; UTILITY OR DRAINAGE FIELD PLACEMENT; STAGING OR STORAGE OF MATERIALS AND EQUIPMENT; OR THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT ARBORIST IN A TIMELY MANNER PRIOR TO WORKING BENEATH PROTECTED TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON COMPLETION OF 4. TREE AND STUMP REMOVAL. TREES TO BE REMOVED SHALL BE CLEARLY IDENTIFIED WITH TREE-MARKING SEE SHEET P3.1 SEE SHEET P3.2 PAINT OR OTHER METHODS APPROVED IN ADVANCE BY THE PROJECT ARBORIST. PROTECTION FENCING MAY

SE SEE SHEET P3.4

SW SEE SHEET P3.3

BE TEMPORARILY OPENED IN TRACT B FOR REMOVAL OF TREES #6654 AND #6655, IN THE REAR OF LOT 3 FOR REMOVAL OF TREE #6248 AND #6375, IN THE REAR OF LOT 9 FOR REMOVAL OF TREE #50316 AND IN THE REAR OF LOT 10 FOR REMOVAL OF TREES #50398 AND #50399. WITHIN TREE PROTECTION ZONES, TREE REMOVAL SHALL BE PERFORMED WITH HAND TOOLS ONLY AND TREES SHALL BE DIRECTIONALLY FELLED OR SURGICALLY REMOVED TO AVOID DAMAGE TO REMAINING NEARBY TREES. THE STUMPS OF THESE PARTICULAR TREES SHALL REMAIN IN THE GROUND, BE REMOVED APPROXIMATELY 6-INCHES BELOW THE GROUND SURFACE USING A STUMP GRINDER, OR ELSE EXTRACTED FROM THE GROUND UNDER

5. PRUNING. PRUNING MAY BE NEEDED TO PROVIDE OVERHEAD CLEARANCE AND TO REMOVE DEAD AND DEFECTIVE BRANCHES FOR SAFETY. THE PROJECT ARBORIST CAN HELP IDENTIFY WHERE PRUNING IS NECESSARY ONCE TREES RECOMMENDED FOR REMOVAL HAVE BEEN REMOVED AND THE SITE IS PREPARED FOR CONSTRUCTION. TREE REMOVAL AND PRUNING SHALL BE PERFORMED BY A QUALIFIED TREE SERVICE.

- EXCAVATION AND ROOT PRUNING. EXCAVATION BENEATH PROTECTED TREE DRIPLINES SHALL BE AVOIDED IF ALTERNATIVES ARE AVAILABLE. IF EXCAVATION IS UNAVOIDABLE, THE PROJECT ARBORIST SHALL EVALUATE THE PROPOSED EXCAVATION TO DETERMINE METHODS TO MINIMIZE IMPACTS TO TREES. ROOT PRUNING SHALL BE DIRECTED AND DOCUMENTED BY THE PROJECT ARBORIST.
- 7. LANDSCAPING. FOLLOWING CONSTRUCTION AND WHERE LANDSCAPING IS DESIRED, APPLY APPROXIMATELY 3-INCHES OF MULCH BENEATH THE DRIPLINE OF PROTECTED TREES IN A MINIMUM 5-FOOT RADIUS AROUND TREE TRUNKS; DO NOT PILE MULCH DIRECTLY AGAINST TREE TRUNKS. SHRUBS AND GROUND COVER PLANTS MAY BE PLANTED WITHIN THE GRASS-FREE MULCH RINGS. IF IRRIGATION IS USED, USE DRIP IRRIGATION OR LOW FLOW EMITTERS INSTALLED AT NATIVE GRADE (NO TRENCHING) ONLY BENEATH THE DRIPLINES OF PROTECTED TREES. LANDSCAPING SHALL BE PERFORMED BY HAND AND WITH HAND TOOLS ONLY BENEATH PROTECTED TREE DRIPLINES; ADJUST THE LOCATION OF PLANTS TO AVOID TREE ROOT
- 8. QUALITY ASSURANCE. A QUALIFIED ARBORIST SHOULD SUPERVISE PROPER EXECUTION OF THIS PLAN ON-CALL DURING CONSTRUCTION ACTIVITIES THAT COULD ENCROACH ON RETAINED TREES. TREE PROTECTION SITE INSPECTION MONITORING REPORTS SHOULD BE PROVIDED TO THE CLIENT AND CITY FOLLOWING EACH SITE VISIT PERFORMED DURING CONSTRUCTION.
- 9. REASSESSMENT. TREES THAT ARE RETAINED WITH SITE IMPROVEMENT WORK SHOULD BE REASSESSED IN TERMS OF FUTURE HOME PLANS; ADDITIONAL TREE REMOVAL OR ALTERNATIVE TREE PROTECTION MEASURES MAY BE NEEDED.

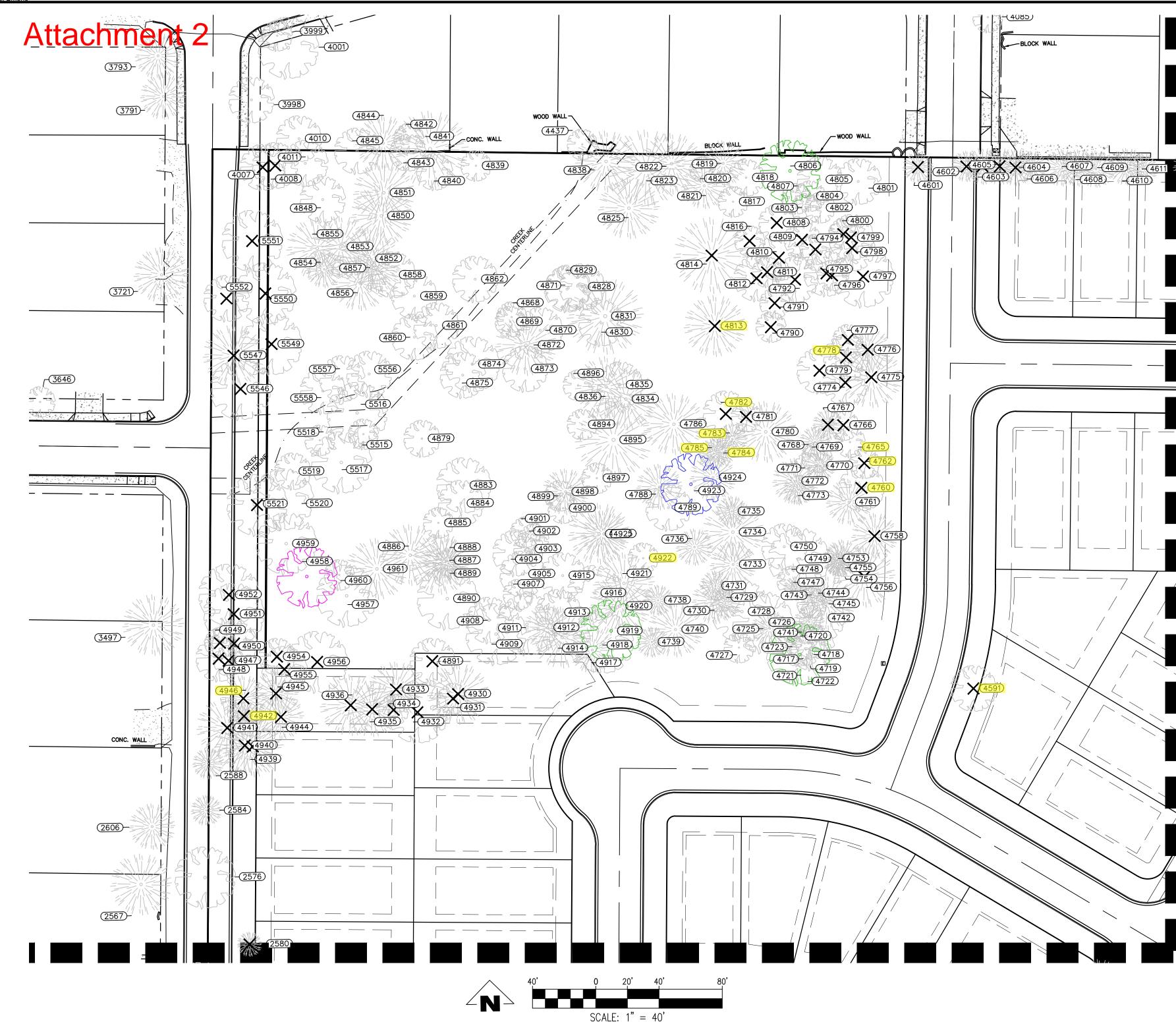
TREE PRES	SERVATION
PROPOSED PLAN	NUMBER OF TREES
ONSITE TREES REMOVED	469
ONSITE SIGNIFICANT TREES REMOVED	5
TOTAL TREES REMOVED	474
ONSITE TREES PRESERVED	205
TOTAL ONSITE TREES (INCLUDING SIGNIFICANT)	679
PERCENTAGE OF TREES PRESERVED	30.19%

SERVATION IOVAL PLAN OVERVIEW

PRE RE

P3.0

Tree Assessment at Meyer Farm





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- 3. TREE PROTECTION ZONE. WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST, NONE OF THE FOLLOWING SHALL OCCUR BENEATH THE DRIPLINE OF ANY
- PROTECTED TREE: a) GRADE CHANGE OR CUT AND FILL;

TREE PROTECTION SPECIFICATIONS

- b) NEW IMPERVIOUS SURFACES;
- c) UTILITY OR DRAINAGE FIELD PLACEMENT;
- d) STAGING OR STORAGE OF MATERIALS AND EQUIPMENT; OR
- e) VEHICLE MANEUVERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT ARBORIST IN A TIMELY MANNER PRIOR TO WORKING BENEATH PROTECTED TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON
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CONDITION FOR CONSTRUCTION. TREE REMOVAL AND PRUNING SHALL BE PERFORMED BY A QUALIFIED TREE SERVICE.

POOR VERY POOR

	SPECIES	DBH*	REMOVE		TREE #	SPECIES	DBH*	R
2567	CEDAR	40			4782	ALDER	10	R
2576	OAK	18			4783	FIR	12	•
2580	FIR	12			4784	FIR	12	
2584	PINE	14			4785	FIR	12	
2588	PINE	12			4786	FIR	20	
2606	PINE	24						
3497	FIR	30			4788	FIR	14	
3646	DECD	12			4789	ALDER	10	
3721	FIR	24			4790	OAK	14	R
3791	FIR	20			4791	OAK	16	R
3793	FIR	20			4792	OAK (x2)	14	R
3998	OAK	16						
					4794	OAK	14	R
4001	OAK	20			4795	OAK	18	R
					4796	OAK	12	R
4007	OAK	16	REMOVE		4797	OAK	18	R
4008	OAK	10	REMOVE		4798	OAK	16	R
4010	OAK	14			4799	OAK (x3)	12	R
4011	OAK	12			4800	OAK (x2)	10	R
4437	MAPLE	16			4801	OAK	16	
4591	WALNUT	22	REMOVE		4802	OAK	10	
4601	FIR (x2)	12	REMOVE		4803	OAK	10	
4602	FIR	14	REMOVE		4804	OAK	10	
4603	FIR	22	REMOVE		4805	OAK	14	
4604	FIR	15	REMOVE		4806	OAK	24	
4605	FIR	15	REMOVE		4807	OAK	10	
4606	FIR	14			4808	OAK	12	
4607	FIR	18			4809	OAK	14	R
4608	FIR	18			4810	MAPLE (x3)	10	R
4609	FIR	14			4811	OAK	10	R
4610	FIR	16			4812	OAK	14	R
4611	FIR	10			4813	FIR	24	R
4711	FIR	18			4814	FIR	28	R
					1010	0.414	40	
A747	0.47	10			4816	OAK	10	R
4717	OAK	10			4817	OAK	10	
4718	OAK	16			4818	OAK	10	
4719	OAK	10			4819	FIR	20	
4720	OAK	10			4820	DECD	10	
4721 4722	OAK OAK	28 18			4821 4822	FIR FIR	20	
4723	OAK	10			4823	FIR (x2)	24	
4/23	UAK	10			4825	FIR	24	
4725	FIR	12			4828	OAK	14	
4726	OAK	22			4829	OAK (x2)	10	
4727	OAK	12			4830	OAK (XZ)	16	
4728	OAK (x2)	18			4831	FIR	30	
4729	FIR	14			4834	FIR	18	
4730	FIR	22			4835	OAK	16	
		_				07111	-	
	FIR	l 12 l			4836 1	FIR	ı 20 l	
4731	FIR	12			4836 4838	FIR FIR	32	
					4838	FIR	32	
4733	FIR	26			4838 4839	FIR DECD	32 12	
4733 4734	FIR FIR	26 36			4838 4839 4840	FIR DECD OAK	32 12 10	
4733	FIR	26			4838 4839	FIR DECD	32 12	
4733 4734 4735	FIR FIR FIR	26 36 10			4838 4839 4840 4841	FIR DECD OAK FIR	32 12 10 32	
4733 4734 4735	FIR FIR FIR	26 36 10			4838 4839 4840 4841 4842	FIR DECD OAK FIR OAK	32 12 10 32 10	
4733 4734 4735 4736	FIR FIR FIR FIR	26 36 10 16			4838 4839 4840 4841 4842 4843	FIR DECD OAK FIR OAK OAK	32 12 10 32 10 14	
4733 4734 4735 4736 4738	FIR FIR FIR FIR	26 36 10 16			4838 4839 4840 4841 4842 4843 4844	FIR DECD OAK FIR OAK OAK FIR	32 12 10 32 10 14 24	
4733 4734 4735 4736 4738 4739	FIR FIR FIR FIR FIR	26 36 10 16 12 12			4838 4839 4840 4841 4842 4843 4844	FIR DECD OAK FIR OAK OAK FIR	32 12 10 32 10 14 24	
4733 4734 4735 4736 4738 4739 4740	FIR FIR FIR FIR FIR FIR FIR FIR	26 36 10 16 12 12 28			4838 4839 4840 4841 4842 4843 4844	FIR DECD OAK FIR OAK OAK FIR	32 12 10 32 10 14 24	
4733 4734 4735 4736 4738 4739 4740 4741	FIR FIR FIR FIR FIR FIR FIR FIR	26 36 10 16 12 12 28 12			4838 4839 4840 4841 4842 4843 4844 4845	FIR DECD OAK FIR OAK OAK OAK OAK	32 12 10 32 10 14 24 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3)	26 36 10 16 12 12 28 12 14			4838 4839 4840 4841 4842 4843 4844 4845	FIR DECD OAK FIR OAK OAK OAK OAK	32 12 10 32 10 14 24 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743	FIR FIR FIR FIR FIR FIR FOR FOR FOR OAK (x3)	26 36 10 16 12 12 28 12 14			4838 4839 4840 4841 4842 4843 4844 4845	FIR DECD OAK FIR OAK OAK FIR OAK OAK	32 12 10 32 10 14 24 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744	FIR FIR FIR FIR FIR OAK (x3) OAK FIR	26 36 10 16 12 12 28 12 14 10			4838 4839 4840 4841 4842 4843 4844 4845 4845	FIR DECD OAK FIR OAK OAK FIR OAK FIR	32 12 10 32 10 14 24 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744	FIR	26 36 10 16 12 12 28 12 14 10			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4850	FIR DECD OAK FIR OAK OAK FIR OAK FIR FIR	32 12 10 32 10 14 24 16 12 30 28	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745	FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR	26 36 10 16 12 12 28 12 14 10 12 20			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852	FIR DECD OAK FIR OAK OAK FIR OAK FIR FIR FIR	32 12 10 32 10 14 24 16 12 30 28 30	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745	FIR FIR FIR FIR FIR FIR FIR FIR FIR DAK (x3) OAK FIR FIR DECD DECD (x2) OAK	26 36 10 16 12 12 28 12 14 10 12 20			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853	FIR DECD OAK FIR OAK OAK FIR OAK FIR FIR FIR FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2)	26 36 10 16 12 12 28 12 14 10 12 20			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4856	FIR DECD OAK FIR OAK OAK FIR OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 12	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4744 4745	FIR FIR FIR FIR FIR FIR FIR FIR FIR DAK (x3) OAK FIR FIR DECD DECD (x2) OAK	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855	FIR DECD OAK FIR OAK OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32 16 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4744 4745	FIR FIR FIR FIR FIR FIR FIR FIR FIR DAK (x3) OAK FIR FIR DECD DECD (x2) OAK	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4856 4857 4858	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32 16 16 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32 16 16 12 12	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR DECD DECD (x2) OAK OAK FIR FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32 16 16 12 12 13	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4745 4748 4749 4750	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20			4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 32 16 16 12 12 13 16	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR DECD DECD (x2) OAK OAK FIR FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12	REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32 16 16 12 12 13 16 12	
4733 4734 4735 4736 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22			4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4855 4856 4857 4858 4859 4860 4861 4862 4868	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 32 16 16 12 12 13 16 12 14	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4745 4748 4749 4750	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20	REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4745 4748 4749 4750 4750 4753 4754 4756 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24	REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870	FIR DECD OAK FIR OAK OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24			4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR OAK OAK (×2) OAK OAK OAK OAK OAK OAK OAK OAK OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14 14	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24	REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 14 14 14 16 12 13 16 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24	REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 13 16 12 14 14 14 15 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26	REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK (x2) OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14 14 12 28 12 13	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12	REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 12 13 16 12 12 13 16 12 14 14 14 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756 4756 4756	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK (x2) OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14 14 12 28 12 13	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4750 4753 4754 4755 4756 4766	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3)	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 12 10	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 12 13 16 12 12 13 16 12 14 14 14 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4745 4748 4749 4750 4750 4753 4754 4755 4756 4756 4756 4756 4766 4761 4762	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3)	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 11 12 12 13 14 10 10 11 10 10 10 10 10 10 10	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 12 13 16 12 12 13 16 12 14 14 14 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4753 4754 4755 4756 4756 4766 4761 4762 4765 4765 4766 4767 4768	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 11 12 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR OAK OAK (×2) OAK OAK OAK (×2) FIR OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 12 13 16 12 12 13 16 12 14 14 15 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4747 4748 4749 4750 4750 4750 4753 4754 4755 4756 4766 4761 4762 4762 4762 4765 4766 4767 4768 4768 4769	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 22 24 16 12 12 14 10 11 12 12 14 10 11 10 11 10 11 10 11 10 10	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4879	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14 14 14 14 14 14 14 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4736 4738 4739 4744 4745 4745 4755 4756 4765 4766 4767 4768 4767 4768 4769 4770	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 12 14 16 12 12 14 16 17 18 18 18 19 19 10 10 10 10 10 10 10 10 10 10	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4875 4879	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 12 13 16 12 14 14 14 14 14 16 17 18 18 19 10 10 10 10 10 10 10 10 10 10	
4733 4736 4736 4739 4740 4741 4745 4748 4745 4755 4756 4766 4767 4768 4769 4771 4768 4769 4771	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 16 12 12 14 10 11 12 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4875 4879	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK OAK (×2) OAK OAK (×2) OAK OAK OAK (×2) OAK OAK OAK OAK OAK OAK OAK OAK OAK OA	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 13 16 12 14 14 14 14 17 18 18 18 18 18 18 18 18 18 18	
4733 4734 4735 4736 4738 4739 4740 4741 4742 4743 4744 4745 4745 4748 4749 4750 4750 4753 4754 4756 4756 4756 4766 4761 4762 4762 4762 4763 4764 4762 4765 4766 4767 4768 4769 4770 4771 4771	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4875 4879	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 14 14 16 10 11 11 12 13 16 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4736 4738 4739 4741 4745 4745 4755 4756 4766 4767 4768 4769 4770 4771 4772 4773 4772 4773	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 28 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 11 12 12 10 11 11 12 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18	REMOVE REMOVE REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4879 4883 4884 4885 4886 4887	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK OAK OAK (×2) OAK	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 12 13 16 12 14 14 14 14 14 17 18 18 19 10 10 11 11 11 11 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4736 4736 4740 4745 4748 4745 4755 4756 4766 4767 4768 4769 4771 4772 4773 4774 4772 4773 4774 4772 4773 4774 4772 4773 4774 4772 4773 4774 4774	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4879 4883 4884 4885 4886 4887 4888	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 14 17 18 18 18 19 10 10 11 11 11 11 11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4736 4738 4740 4745 4748 4745 4755 4756 4761 4762 4763 4765 4766 4767 4768 4769 4770 4771 4772 4773 4774 4775	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4875 4878 4875 4878 4875 4878 4879	FIR DECD OAK FIR OAK OAK OAK FIR OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 13 16 12 14 14 14 14 14 14 14 16 10 11 11 12 13 16 16 17 18 18 18 18 18 18 18 18 18 18	
4733 4736 4739 4741 4745 4755 4756 4766 4767 4768 4769 4771 4772 4773 4774 4775 4776 4776 4776 4776 4777 4776 4777 4776 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4879 4878 4879 4883 4884 4885 4886 4887 4888 4889 4890	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 12 28 12 13 16 10 11 11 12 13 14 15 16 17 18 18 19 10 10 10 10 10 10 10 10 10 10	
4733 4736 4739 4740 4745 4748 4745 4755 4756 4766 4767 4771 4772 4773 4774 4775 4775 4776 4777 4776 4777 4776 4777 4776 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 22 24 16 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE		4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4878 4879 4888 4887 4888 4889 4889 488	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 14 14 16 10 18 24 10 11 11 11 12 13 16 16 17 18 18 18 18 18 18 18 18 18 18	R
4733 4736 4739 4744 4745 4745 4755 4756 4766 4767 4776 4777 4778 4778 4778 477	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE	4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4878 4875 4878 4879 4888 4889 4889 4889 4890 4891 4891	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 14 14 17 18 18 19 10 11 11 11 11 11 11 11 11 11	R	
4733 4736 4739 4741 4745 4748 4745 4755 4756 4766 4767 4768 4769 4771 4772 4778 4778 4778 4778 4778 4778 4778	FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK FIR	26 36 10 16 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE		4838 4839 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4878 4879 4874 4875 4878 4879 4888 4889 4888 4889 4889 488	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 12 28 12 13 16 10 11 11 12 13 16 10 11 11 11 12 13 16 10 11 11 11 11 11 11 11 11 11	R
4733 4736 4739 4744 4745 4745 4755 4766 4767 4776 4777 4778 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4778 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 4777 477 477 4777 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 477 47	FIR FIR FIR FIR FIR FIR FIR FIR FIR OAK (x3) OAK FIR FIR DECD DECD (x2) OAK OAK OAK FIR FIR FIR FIR FIR FIR FIR FIR FIR FI	26 36 10 16 12 12 12 14 10 12 20 10 18 22 20 16 12 20 22 24 16 26 12 10 16 12 20 21 21 21 21 21 21 21 21 21 21	REMOVE	4838 4839 4840 4841 4842 4843 4844 4845 4848 4850 4851 4852 4853 4854 4855 4856 4857 4858 4859 4860 4861 4862 4868 4869 4870 4871 4872 4873 4874 4875 4878 4875 4878 4879 4888 4889 4889 4889 4890 4891 4891	FIR DECD OAK FIR OAK OAK FIR OAK OAK FIR	32 12 10 32 10 14 24 16 12 30 28 30 28 30 28 12 32 16 16 12 13 16 12 14 14 14 14 14 14 17 18 18 19 10 11 11 11 11 11 11 11 11 11	R	

TREE # SPECIES DBH* REMOVE

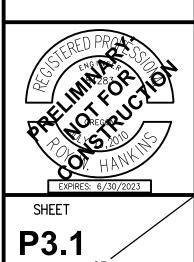
TREE #	SPECIES	DBH*	REMOVE	TREE #
4782	ALDER	10	REMOVE	4898
			KLWOVL	l
4783	FIR	12		4899
4784	FIR	12		4900
4785	FIR	12		4901
4786	FIR	20		4902
				4903
				l
4788	FIR	14		4904
4789	ALDER	10		4905
4790	OAK	14	REMOVE	
4791	OAK	16	REMOVE	4907
				1
4792	OAK (x2)	14	REMOVE	4908
				4909
4794	OAK	14	REMOVE	
4795	OAK	18	REMOVE	4911
				l
4796	OAK	12	REMOVE	4912
4797	OAK	18	REMOVE	4913
4798	OAK	16	REMOVE	4914
4799	OAK (x3)	12	REMOVE	4915
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4800	OAK (x2)	10	REMOVE	4916
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4802	OAK	10		4918
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4805	OAK	14		4921
4806	OAK	24		4922
4807	OAK	10		4923
4808	OAK	12	REMOVE	4924
				
4809	OAK	14	REMOVE	4925
4810	MAPLE (x3)	10	REMOVE	4926
4811	OAK	10	REMOVE	
4812	OAK	14	REMOVE	4930
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4813	FIR	24	REMOVE	4931
4814	FIR	28	REMOVE	4932
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4816	OAK	10	REMOVE	4934
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4818	OAK	10		4936
4819	FIR	20		
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4821	FIR	20		4939
4822	FIR	24		4940
4823	FIR (x2)	24		4941
4825	FIR	24		4942
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4828	OAK	14		
4829	OAK (x2)	10		4944
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4831	FIR	30		4946
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4835	OAK	16		4948
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4855	FIR	32		5520
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4857	FIR	16		5546
4858	OAK	12		5547
4859	OAK (x2)	12		5549
4860	OAK	13		5550
4861	OAK			
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4862	OAK (x2)	12		5552
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REMOVAL PLAN NORTHWEST



Tree Assessment at Meyer Farm

Attachment 2 -(4629) S88'09'28"E 1212.99'

TREE PROTECTION SPECIFICATIONS

- 1. PRECONSTRUCTION CONFERENCE. PRIOR TO THE START OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST IN A TIMELY MANNER TO REVIEW THE TREE PROTECTION PLAN, VERIFY THAT TREES TO BE RETAINED ARE IDENTIFIED WITH NUMBERED TAGS ON THE GROUND, AND TO INSPECT AND VERIFY THE INSTALLATION OF TREE PROTECTION MEASURES.
- 2. FENCING. TREES TO REMAIN ON SITE SHALL BE PROTECTED BY INSTALLATION OF TREE PROTECTION FENCING AS DEPICTED ON SITE PLANS IN ORDER TO PREVENT INJURY TO TREE TRUNKS OR ROOTS, OR SOIL COMPACTION WITHIN THE ROOT PROTECTION AREA. FENCES SHALL BE A MINIMUM 6-FOOT HIGH 2-INCH CHAIN LINK MESH SECURED TO METAL POSTS DRIVEN INTO THE GROUND. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE PROJECT ARBORIST PRIOR TO OPENING, ADJUSTING OR REMOVING TREE PROTECTION FENCING.
- 3. TREE PROTECTION ZONE. WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST, NONE OF THE FOLLOWING SHALL OCCUR BENEATH THE DRIPLINE OF ANY
- PROTECTED TREE: a) GRADE CHANGE OR CUT AND FILL;
- b) NEW IMPERVIOUS SURFACES;
- c) UTILITY OR DRAINAGE FIELD PLACEMENT;
- d) STAGING OR STORAGE OF MATERIALS AND EQUIPMENT; OR
- e) VEHICLE MANEUVERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PROJECT ARBORIST IN A TIMELY MANNER PRIOR TO WORKING BENEATH PROTECTED TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON COMPLETION OF THESE TASKS.
- 4. TREE AND STUMP REMOVAL. TREES TO BE REMOVED SHALL BE CLEARLY IDENTIFIED WITH TREE-MARKING PAINT OR OTHER METHODS APPROVED IN ADVANCE BY THE PROJECT ARBORIST. PROTECTION FENCING MAY BE TEMPORARILY OPENED IN TRACT B FOR REMOVAL OF TREES #6654 AND #6655, IN THE REAR OF LOT 3 FOR REMOVAL OF TREE #6248 AND #6375, IN THE REAR OF LOT 9 FOR REMOVAL OF TREE #50316 AND IN THE REAR OF LOT 10 FOR REMOVAL OF TREES #50398 AND #50399. WITHIN TREE PROTECTION ZONES, TREE REMOVAL SHALL BE PERFORMED WITH HAND TOOLS ONLY AND TREES SHALL BE DIRECTIONALLY FELLED OR SURGICALLY REMOVED TO AVOID DAMAGE TO REMAINING NEARBY TREES. THE STUMPS OF THESE PARTICULAR TREES SHALL REMAIN IN THE GROUND, BE REMOVED APPROXIMATELY 6-INCHES BELOW THE GROUND SURFACE USING A STUMP GRINDER, OR ELSE EXTRACTED FROM THE GROUND UNDER ARBORIST SUPERVISION.

- 5. PRUNING. PRUNING MAY BE NEEDED TO PROVIDE OVERHEAD CLEARANCE AND TO REMOVE DEAD AND DEFECTIVE BRANCHES FOR SAFETY. THE PROJECT ARBORIST CAN HELP IDENTIFY WHERE PRUNING IS NECESSARY ONCE TREES RECOMMENDED FOR REMOVAL HAVE BEEN REMOVED AND THE SITE IS PREPARED FOR CONSTRUCTION. TREE REMOVAL AND PRUNING SHALL BE PERFORMED BY A QUALIFIED TREE SERVICE.
- 6. EXCAVATION AND ROOT PRUNING. EXCAVATION BENEATH PROTECTED TREE DRIPLINES SHALL BE AVOIDED IF ALTERNATIVES ARE AVAILABLE. IF EXCAVATION IS UNAVOIDABLE, THE PROJECT ARBORIST SHALL EVALUATE THE PROPOSED EXCAVATION TO DETERMINE METHODS TO MINIMIZE IMPACTS TO TREES. ROOT PRUNING SHALL BE DIRECTED AND DOCUMENTED BY THE PROJECT ARBORIST.
- 7. LANDSCAPING. FOLLOWING CONSTRUCTION AND WHERE LANDSCAPING IS DESIRED, APPLY APPROXIMATELY 3-INCHES OF MULCH BENEATH THE DRIPLINE OF PROTECTED TREES IN A MINIMUM 5-FOOT RADIUS AROUND TREE TRUNKS; DO NOT PILE MULCH DIRECTLY AGAINST TREE TRUNKS. SHRUBS AND GROUND COVER PLANTS MAY BE PLANTED WITHIN THE GRASS-FREE MULCH RINGS. IF IRRIGATION IS USED, USE DRIP IRRIGATION OR LOW FLOW EMITTERS INSTALLED AT NATIVE GRADE (NO TRENCHING) ONLY BENEATH THE DRIPLINES OF PROTECTED TREES. LANDSCAPING SHALL BE PERFORMED BY HAND AND WITH HAND TOOLS ONLY BENEATH PROTECTED TREE DRIPLINES; ADJUST THE LOCATION OF PLANTS TO AVOID TREE ROOT IMPACTS.
- 8. QUALITY ASSURANCE. A QUALIFIED ARBORIST SHOULD SUPERVISE PROPER EXECUTION OF THIS PLAN ON-CALL DURING CONSTRUCTION ACTIVITIES THAT COULD ENCROACH ON RETAINED TREES. TREE PROTECTION SITE INSPECTION MONITORING REPORTS SHOULD BE PROVIDED TO THE CLIENT AND CITY FOLLOWING EACH SITE VISIT PERFORMED DURING CONSTRUCTION.
- 9. REASSESSMENT. TREES THAT ARE RETAINED WITH SITE IMPROVEMENT WORK SHOULD BE REASSESSED IN TERMS OF FUTURE HOME PLANS; ADDITIONAL TREE REMOVAL OR ALTERNATIVE TREE PROTECTION MEASURES MAY BE NEEDED.

CONDITION

GOOD
FAIR
POOR
VERY POOR

4665	FIR	20	REMOVE	5
4666	FIR	14	REMOVE	5
4667	FIR	14	REMOVE	5
4668	FIR	14	REMOVE	5
4669	FIR	16	REMOVE	5
4670	FIR	14	REMOVE	5
4671	FIR	16	REMOVE	5
4672	FIR	10	REMOVE	5
4673	FIR	16	REMOVE	5
4674	FIR	16	REMOVE	5
4675	FIR	14	REMOVE	5
4676	FIR	14	REMOVE	5
4677	FIR	12	REMOVE	
4678	FIR	18	REMOVE	5
4679	FIR	18	REMOVE	5
4680	FIR	24	REMOVE	5
4681	FIR	18	REMOVE	5
4682	FIR	12	REMOVE	5
4683	FIR	18	REMOVE	
4684	FIR	12	REMOVE	5
4685	FIR	10	REMOVE	5
4686	FIR	10	REMOVE	5
4687	FIR	16	REMOVE	5
4688	FIR (x2)	12	REMOVE	5
4689	FIR	24	REMOVE	5
4690	MADRONA	10	REMOVE	
				5
4692	FIR	16	REMOVE	5
				5
				5
				5
4697	FIR	10		
4703	FIR	20	REMOVE	5
4704	FIR	18	REMOVE	5
	FIR	12		5
4705			BEMOVE	5
4705 4706	FIR	16	REMOVE	, , ~
		16 16	REMOVE	5
4706	FIR		REMOVE	

TREE # SPECIES DBH* REMOVE

1521 PINE

4628

4629

4630

4645

4646

4649 4650

4655

4663

4592 WALNUT 32

4612 FIR (x2) 14

FIR

FIR

WALNUT 24

FIR 14

FIR 16

FIR 16

22

16

18

12

20

18

12 12 14

FIR

FIR

1-11		4/10	1 113	10	IVE NO VE				
See						<u> </u>			
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						5686	FIR	10	REMOVE
Sept		5022	FIR	16		5687	PINE	12	REMOVE
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SO29		5027	FIR	16	REMOVE	5692	FIR	10	REMOVE
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REMOVE RE		5029	FIR	20	REMOVE	5695	DINF	14	REMOVE
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REMOVE S605		5603	FIR	16	REMOVE	5757	PINE	12	REMOVE
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SPECIES | DBH* | REMOVE

16

FIR

REMOVE

TREE # SPECIES | DBH*

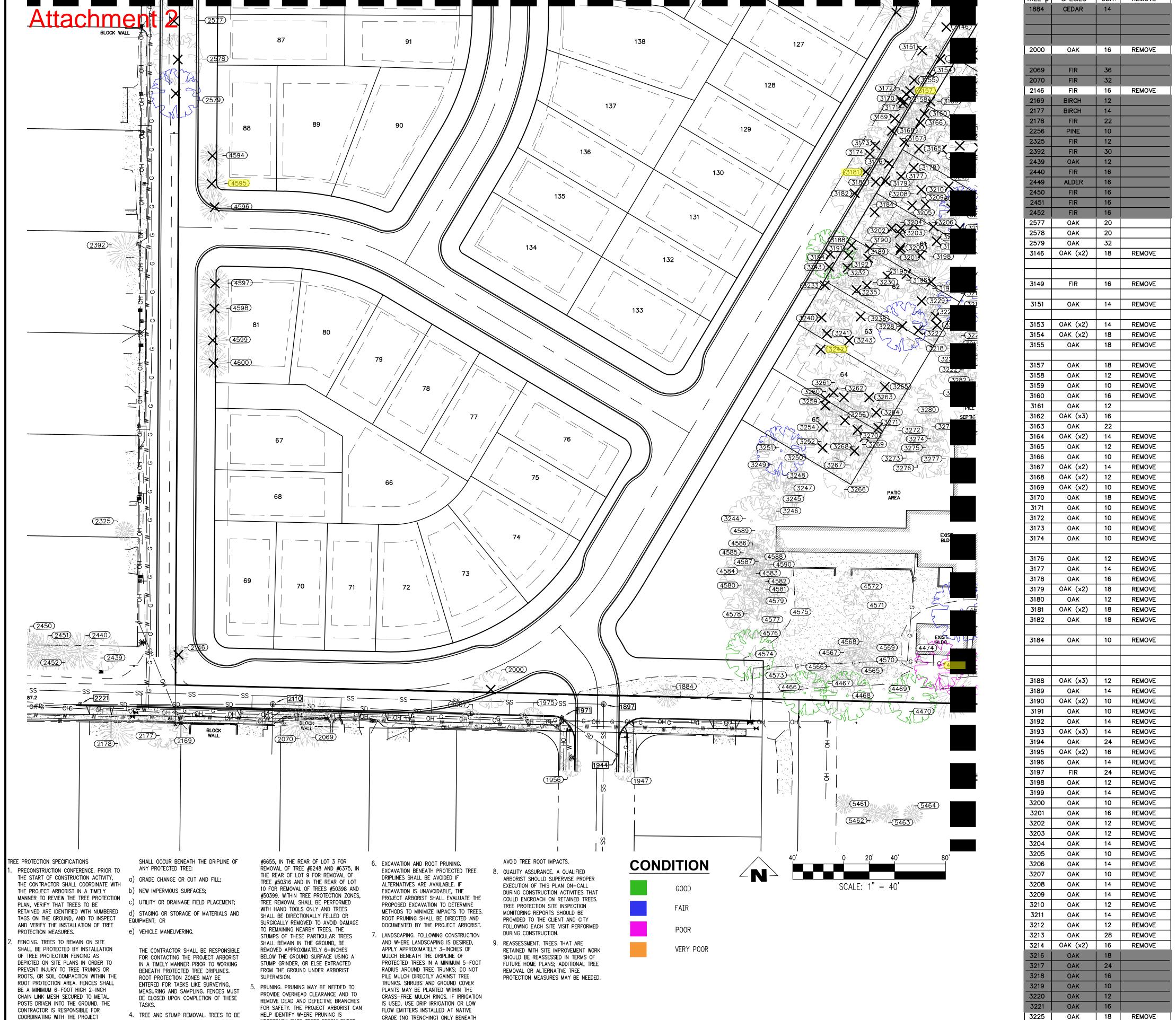
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August 31, 2021

AND PRESERVATION EMOVAL PLAN -ST NORTHEA REMOVAL TREE

SHEET

Tree Assessment at Meyer Farm TREE # | SPECIES | DBH* | REMOVE TREE # SPECIES | DBH* REMOVE 1884 | CEDAR | 14 |



NECESSARY ONCE TREES RECOMMENDED

CONSTRUCTION. TREE REMOVAL AND

PRUNING SHALL BE PERFORMED BY A

THE SITE IS PREPARED FOR

QUALIFIED TREE SERVICE.

FOR REMOVAL HAVE BEEN REMOVED AND

THE DRIPLINES OF PROTECTED TREES.

HAND AND WITH HAND TOOLS ONLY

BENEATH PROTECTED TREE DRIPLINES;

ADJUST THE LOCATION OF PLANTS TO

LANDSCAPING SHALL BE PERFORMED BY

REMOVED SHALL BE CLEARLY IDENTIFIED

METHODS APPROVED IN ADVANCE BY THE

PROJECT ARBORIST. PROTECTION FENCING

MAY BE TEMPORARILY OPENED IN TRACT B

WITH TREE-MARKING PAINT OR OTHER

FOR REMOVAL OF TREES #6654 AND

ARBORIST PRIOR TO OPENING, ADJUSTING

OR REMOVING TREE PROTECTION FENCING.

TREE PROTECTION ZONE. WITHOUT

AUTHORIZATION FROM THE PROJECT

ARBORIST, NONE OF THE FOLLOWING

TREE #		DBH*	REMOVE	TR
3226 3227	OAK OAK (x2)	12 12	REMOVE REMOVE	_
3227	OAK (XZ)	32	REMOVE	
3229	OAK	12	REMOVE	
3230	OAK	10	REMOVE	
7070	ONE	10	DEMOVE	
3232 3233	OAK OAK	16 12	REMOVE REMOVE	
	5711			DB
3235	OAK (x2)	12	REMOVE	
7070	OAK	16	DEMOVE	
3238	OAK	16	REMOVE	
3240	OAK	10	REMOVE	
3241	OAK (x2)	16	REMOVE	
3242	OAK (x3)	16	REMOVE	
3243	OAK (x3)	16	REMOVE	
3244	OAK (x5)	14 14		
3246	OAK (x2)	16		
3247	OAK	15		
3248	OAK	18		
3249 3250	OAK (x2) OAK	12 16		
3251	OAK	24		
3252	OAK	14	REMOVE	
3254	OAK	10	REMOVE	
3256	OAK	10	REMOVE	
5250	<u> </u>	'	VENIO AE	
3259	OAK	12	REMOVE	
3260	OAK (v3)	14	REMOVE	
3261 3262	OAK (x3)	12 10	REMOVE REMOVE	
3263	OAK (x3)	10	REMOVE	
3264	OAK	10	REMOVE	
3265	OAK	16	REMOVE	
3266	OAK	16		
3267 3268	OAK OAK	10 16	REMOVE	
3269	OAK	10	REMOVE	
3270	OAK	18	REMOVE	
3271	OAK (x3)	12	REMOVE	
3272	OAK (x2)	12		
3273	OAK OAK	18 10		
3275	OAK (x2)	18		
3276	OAK	12		
3277	OAK	22		
3278	OAK	10		
3280 3281	OAK (x2)	18 16		
	0/11((XZ)	10		
4466	OAK	30		
4467	OAK	18		
4468	OAK	24		
4469	OAK OAK	22		
4471	FIR	36		
4472	OAK	24		
4473	OAK	24		
4474	OAK	14		
4500 4565	OAK OAK	36 18		
4566	FIR	36		
4567	OAK	14		
4568	FIR	16		
4569 4570	OAK OAK	20 14		
4571	OAK	20		
4572	OAK	19		
4573	OAK	18		
4574	OAK	28		
4575 4576	OAK OAK	22		
4577	OAK	12		
4578	OAK	18		
4579	OAK	14		
4580	OAK	18		
4581 4582	OAK OAK	14		
4583	OAK	12		
4584	OAK	10		
4585	OAK	12		
4586	OAK	10		
4587	OAK	12		
4589	OAK (x2)	12		
4590	OAK (x2)	16		
4594	FIR	18	REMOVE	
4595	FIR	18	REMOVE	
4596 4597	FIR FIR	20 22	REMOVE REMOVE	
4597	FIR	20	REMOVE	
4599	FIR	18	REMOVE	
4600	FIR	20	REMOVE	

				August 31, 20 Page 9 of
H* DI	INDICATES OFFS LOCATED WITHIN	ITE TREE, I PROJECT		4540 PRINGLE RD SE TAX MAP - 3000 & 3002 TAX MAP - 083W11BC SW1/4 NW1/4 SEC11 T8S R3W W.M
				E PRESERVATION AND REMOVAL PLAN - SOUTHWEST

MERI 田田

SHEET

P3.3

Tree Assessment at Mever Farm August 31, 2021 TREE # | SPECIES | DBH* | REMOVE FIR 2832 24 22 OAK REMOVE 5636 | MADRONA REMOVE FIR FIR 2833 | OAK (x2) | 16 REMOVE 5637 FIR (x2) REMOVE 14 FIR 18 FIR 48 OAK | 22 | REMOVE 5638 REMOVE 28 FIR FIR OAK 10 5639 FIR 14 REMOVE 300% 18C 1BC 3 R3/ 3 R3/ OAK 5640 FIR (x2) 16 REMOVE FIR 16 FIR 24 30 FIR 14 FIR 42 OAK 18 REMOVE 5641 FIR 26 2838 OAK (x3) 18 REMOVE FIR 22 FIR 5642 FIR 18 REMOVE FIR 20 FIR 28 2839 | OAK (x2) | 12 5643 16 OAK 5644 16 REMOVE FIR 08 11 OR 40 FIR 5645 REMOVE FIR 14 FIR 18 CEDAR FIR 14 FIR 14 5646 FIR 14 REMOVE 36 REMOVE FIR FIR 5647 FIR 16 5648 REMOVE FIR 12 FIR 26 CTNWD 18 24 FIR 28 FIR 5649 10 PINE REMOVE FIR 24 14 0 16 28 FIR 24 FIR 5651 MADRONA REMOVE 454 FIR FIR 15 5652 PINE 14 REMOVE 5654 1700 PINE 12 REMOVE FIR 40 FIR 26 28 22 FIR FIR 5654 PINE 12 REMOVE WALNUT 10 5655 REMOVE PINE FIR FIR 28 10 FIR FIR 32 OAK 28 5656 REMOVE PINE FIR 44 5657 PINE 12 REMOVE FIR 40 FIR 5658 PINE 12 REMOVE 2620 PINE 12 REMOVE FIR 48 OAK 17 2621 REMOVE OAK 5660 PINE 12 FIR 22 22 PINE 10 REMOVE 2622 REMOVE FIR 24 3089 OAK (x2) 16 PINE (1676) 2623 REMOVE 3092 OAK (x2) 18 PINE 12 OAK 2624 PINE 10 REMOVE OAK OAK 22 (1677 **ATION** 2625 PINE OAK 24 OAK 10 REMOVE 2626 PINE REMOVE OAK 18 3095 OAK (x3) 14 5665 REMOVE 12 PINE 10 2627 PINE OAK 12 3096 OAK 14 5666 10 REMOVE 10 REMOVE PINE 2628 FIR 5667 REMOVE S PINE 16 REMOVE 3097 OAK 10 PINE 12 (1657) 2629 PINE 10 REMOVE OAK 14 3098 OAK 10 Δ OAK 14 3099 (1656) OAK (x2) 5669 FIR 12 REMOVE 3100 5700 REMOVE 2631 REMOVE FIR 30 OAK PINE PINE 12 20 12 (1655) 2632 PINE 13 REMOVE FIR 18 3101 OAK 5701 FIR 14 REMOVE SE FIR 3102 5702 REMOVE 14 OAK (x2) | 16 PINE 10 (1654) FIR 30 3103 OAK (x2) 12 PRE 24 3104 0 2635 PINE 12 REMOVE OAK 5704 PINE REMOVE 2636 REMOVE 3105 OAK 5705 REMOVE PINE FIR PINE 12 22 16 10 2637 FIR 12 3106 OAK (x2) 18 PINE 16 REMOVE (1652) 2638 PINE 16 REMOVE FIR 3107 OAK 5707 PINE REMOVE ~ REMOVE 2639 PINE 10 REMOVE FIR 28 3108 OAK 12 5708 PINE 16 3109 5709 2640 FIR 24 10 REMOVE PINE 10 REMOVE OAK 28 FIR 3110 2641 REMOVE 23 PINE FIR OAK (x2) | 14 REMOVE 14 PINE REMOVE FIR 14 3111 2642 12 OAK 2643 REMOVE REMOVE PINE 14 FIR 3112 OAK 10 REMOVE 5712 PINE 12 2644 FIR FIR 3113 OAK 10 REMOVE 5713 PINE 12 REMOVE FIR 3114 14 REMOVE -(1682) FIR 3115 REMOVE PINE 18 REMOVE OAK 16 DBH* DIAMETER AT BREAST HEIGHT, INCHES. PINE 13 l PINE 3116 2647 REMOVE 2753 REMOVE INDICATES OFFSITE TREE, OR TREE NOT OAK (x2) l 16 LOCATED WITHIN PROJECT AREA. NOT 2648 REMOVE DECD 3117 REMOVE PINE 10 2755 10 OAK 16 INCLUDED IN TREE PRESERVATION COUNT. 2649 PINE 12 REMOVE FIR 2650 FIR 28 3119 OAK REMOVE REMOVE 2651 3120 OAK FIR 28 FIR 32 18 2652 FIR 32 REMOVE PINE 12 REMOVE 3121 OAK FIR 3122 OAK REMOVE 14 2654 OAK (x2) FIR 16 3123 OAK 10 REMOVE 2655 3124 PINE REMOVE FIR X (2684) 3125 OAK 14 FIR **X**(2621) PINE REMOVE FIR 52 3126 OAK 12 STAIRS TO BASEMENT 18 2658 PINE 12 REMOVE 2765 | PINE | 12 OAK | 12 | **X**(2620) 2659 PINE REMOVE 3128 FIR 20 12 2660 3129 FIR 36 PINE 18 REMOVE 3130 2661 PINE REMOVE OAK 12 12 2769 FIR OAK | 12 | 2662 PINE REMOVE 2663 PINE 12 REMOVE 2770 PINE 16 OAK | 12 | 2664 PINE 12 REMOVE 2771 | FIR | 16 3133 | OAK | 18 | FIR 14 3134 OAK (x2) 22 2665 PINE 13 REMOVE 2666 FIR | 16 OAK 22 -2736 PINE 13 REMOVE 2774 FIR 10 OAK | 14 | 3449 OAK | 22 | MERI 2776 | FIR | 12 3138 | OAK (x2) | 20 | -(2744) (2699) 2670 PINE 18 REMOVE FIR 12 OAK 18 2671 3140 PINE 10 REMOVE FIR | 26 OAK | 14 | 2672 FIR 26 REMOVE PINE 10 3141 OAK | 22 | REMOVE 2673 PINE 10 REMOVE FIR 3142 OAK 20 REMOVE <u>5470</u> 2674 PINE 16 2781 | BIRCH | 12 3143 20 REMOVE REMOVE OAK OAK 3144 OAK 10 REMOVE 2783 OAK (x3) 14 3145 OAK REMOVE 2676 PINE 14 REMOVE 12 2677 OAK 18 PINE REMOVE OAK | 12 | 2678 PINE 12 REMOVE OAK OAK 14 2679 PINE REMOVE 2786 OAK 18 OAK 16 10 24 2680 OAK PINE 18 REMOVE OAK 2681 PINE REMOVE OAK OAK 22 10 2682 PINE 12 OAK 18 OAK | 18 | REMOVE 2683 3363 OAK (x2) 18 PINE 14 l REMOVE 2793 | OAK | 24 2684 2796 OAK 24 3364 OAK (x2) 18 PINE 16 REMOVE TREE PROTECTION SPECIFICATIONS FROM THE PROJECT ARBORIST, NONE OF THE PAINT OR OTHER METHODS APPROVED IN ADVANCE REMOVAL HAVE BEEN REMOVED AND THE SITE IS TRENCHING) ONLY BENEATH THE DRIPLINES OF **CONDITION** 3365 OAK (x2) 12 2685 PINE 18 REMOVE 798 DECD 14 FOLLOWING SHALL OCCUR BENEATH THE DRIPLINE BY THE PROJECT ARBORIST. PROTECTION FENCING PREPARED FOR CONSTRUCTION. TREE REMOVAL AND PROTECTED TREES. LANDSCAPING SHALL BE PRECONSTRUCTION CONFERENCE. PRIOR TO THE PRUNING SHALL BE PERFORMED BY A QUALIFIED MAY BE TEMPORARILY OPENED IN TRACT B FOR OF ANY PROTECTED TREE: 2687 PERFORMED BY HAND AND WITH HAND TOOLS ONLY PINE 14 REMOVE OAK START OF CONSTRUCTION ACTIVITY, THE REMOVAL OF TREES #6654 AND #6655, IN THE TREE SERVICE. BENEATH PROTECTED TREE DRIPLINES; ADJUST THE CONTRACTOR SHALL COORDINATE WITH THE 2688 18 2822 a) GRADE CHANGE OR CUT AND FILL; PINE REMOVE OAK REAR OF LOT 3 FOR REMOVAL OF TREE #6248 AND LOCATION OF PLANTS TO AVOID TREE ROOT PROJECT ARBORIST IN A TIMELY MANNER TO EXCAVATION AND ROOT PRUNING. EXCAVATION #6375, IN THE REAR OF LOT 9 FOR REMOVAL OF 2689 PINE REMOVE 2823 OAK REMOVE FIR 12 24 b) NEW IMPERVIOUS SURFACES; REVIEW THE TREE PROTECTION PLAN, VERIFY THAT BENEATH PROTECTED TREE DRIPLINES SHALL BE TREE #50316 AND IN THE REAR OF LOT 10 FOR TREES TO BE RETAINED ARE IDENTIFIED WITH AVOIDED IF ALTERNATIVES ARE AVAILABLE. IF 8. QUALITY ASSURANCE. A QUALIFIED ARBORIST 2690 PINE 16 REMOVE 2824 OAK FIR 24 c) UTILITY OR DRAINAGE FIELD PLACEMENT; REMOVAL OF TREES #50398 AND #50399. WITHIN NUMBERED TAGS ON THE GROUND, AND TO EXCAVATION IS UNAVOIDABLE, THE PROJECT SHOULD SUPERVISE PROPER EXECUTION OF THIS 2691 24 TREE PROTECTION ZONES, TREE REMOVAL SHALL BE PINE 12 REMOVE 2825 OAK 20 REMOVE OAK INSPECT AND VERIFY THE INSTALLATION OF TREE ARBORIST SHALL EVALUATE THE PROPOSED d) STAGING OR STORAGE OF MATERIALS AND PLAN ON-CALL DURING CONSTRUCTION ACTIVITIES PERFORMED WITH HAND TOOLS ONLY AND TREES PROTECTION MEASURES. 2826 OAK (x3) 16 EXCAVATION TO DETERMINE METHODS TO MINIMIZE 2692 REMOVE REMOVE FIR 24 EQUIPMENT; OR THAT COULD ENCROACH ON RETAINED TREES. TREE PINE 10 SHALL BE DIRECTIONALLY FELLED OR SURGICALLY IMPACTS TO TREES. ROOT PRUNING SHALL BE PROTECTION SITE INSPECTION MONITORING REPORTS FENCING. TREES TO REMAIN ON SITE SHALL BE 2827 | OAK (x2) | 14 | REMOVED TO AVOID DAMAGE TO REMAINING NEARBY FIR 20 2693 PINE REMOVE REMOVE e) VEHICLE MANEUVERING. DIRECTED AND DOCUMENTED BY THE PROJECT SHOULD BE PROVIDED TO THE CLIENT AND CITY PROTECTED BY INSTALLATION OF TREE PROTECTION TREES. THE STUMPS OF THESE PARTICULAR TREES 2694 PINE 10 REMOVE FIR 22 OAK 20 FOLLOWING EACH SITE VISIT PERFORMED DURING FENCING AS DEPICTED ON SITE PLANS IN ORDER TO VERY POOR SHALL REMAIN IN THE GROUND, BE REMOVED SHEET CONSTRUCTION. PREVENT INJURY TO TREE TRUNKS OR ROOTS, OR APPROXIMATELY 6-INCHES BELOW THE GROUND '. LANDSCAPING. FOLLOWING CONSTRUCTION AND 2695 PINE OAK 18 FIR 36 THE CONTRACTOR SHALL BE RESPONSIBLE FOR 16 REMOVE SOIL COMPACTION WITHIN THE ROOT PROTECTION SURFACE USING A STUMP GRINDER, OR ELSE 9. REASSESSMENT. TREES THAT ARE RETAINED WITH CONTACTING THE PROJECT ARBORIST IN A TIMELY WHERE LANDSCAPING IS DESIRED, APPLY 2696 PINE 10 REMOVE OAK 18 5634 FIR 16 P3.4 AREA. FENCES SHALL BE A MINIMUM 6-FOOT HIGH EXTRACTED FROM THE GROUND UNDER ARBORIST MANNER PRIOR TO WORKING BENEATH PROTECTED APPROXIMATELY 3-INCHES OF MULCH BENEATH THE SITE IMPROVEMENT WORK SHOULD BE REASSESSED 2-INCH CHAIN LINK MESH SECURED TO METAL 2697 2831 5635 FIR REMOVE TREE DRIPLINES. ROOT PROTECTION ZONES MAY BE SUPERVISION. DRIPLINE OF PROTECTED TREES IN A MINIMUM IN TERMS OF FUTURE HOME PLANS; ADDITIONAL FIR 18 OAK 14 POSTS DRIVEN INTO THE GROUND. THE ENTERED FOR TASKS LIKE SURVEYING, MEASURING 5-FOOT RADIUS AROUND TREE TRUNKS; DO NOT TREE REMOVAL OR ALTERNATIVE TREE PROTECTION PRUNING. PRUNING MAY BE NEEDED TO PROVIDE AND SAMPLING. FENCES MUST BE CLOSED UPON CONTRACTOR IS RESPONSIBLE FOR COORDINATING PILE MULCH DIRECTLY AGAINST TREE TRUNKS. MEASURES MAY BE NEEDED. OVERHEAD CLEARANCE AND TO REMOVE DEAD AND WITH THE PROJECT ARBORIST PRIOR TO OPENING, SHRUBS AND GROUND COVER PLANTS MAY BE COMPLETION OF THESE TASKS. DEFECTIVE BRANCHES FOR SAFETY. THE PROJECT ADJUSTING OR REMOVING TREE PROTECTION **3Z** PLANTED WITHIN THE GRASS-FREE MULCH RINGS. IF 4. TREE AND STUMP REMOVAL. TREES TO BE REMOVED ARBORIST CAN HELP IDENTIFY WHERE PRUNING IS IRRIGATION IS USED, USE DRIP IRRIGATION OR LOW SHALL BE CLEARLY IDENTIFIED WITH TREE-MARKING NECESSARY ONCE TREES RECOMMENDED FOR

FLOW EMITTERS INSTALLED AT NATIVE GRADE (NO

TREE PROTECTION ZONE. WITHOUT AUTHORIZATION

