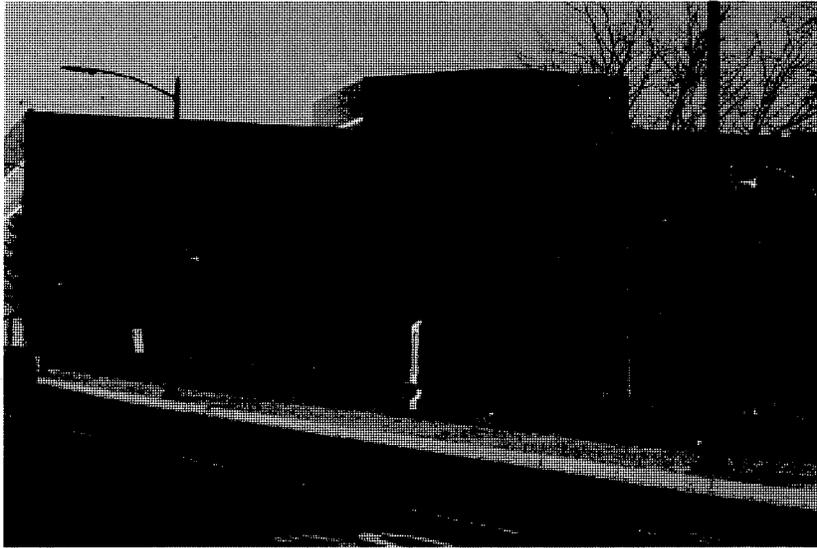


## **APPENDIX BIO**



**MERVYNS CORPORATE HEADQUARTER**  
**22301 Foothill Blvd 94541**  
**Hayward, CA**

**TREE APPRAISAL REPORT**  
**For**  
**Scott Athearn**  
**Dollinger Properties**



**Revised: March 11, 2015**

**By**  
**Ronald E. Carden ISA Certified Arborist # WE-3445A**  
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# ASSIGNMENT / DISCUSSION

## ASSIGNMENT

An assignment has been requested to provide a written Arborist report and tree appraisal for all trees located at the Mervyns Corporate Headquarters 22301 foothill Blvd Hayward CA.

## SITE EVALUATION

A site inspection was conducted on March 5, 2012 and trees were tagged and evaluated. DBH was measured with a diameter tape at 4.5' above grade. A site map was developed showing location of tree by number and a tree inventory list was compiled. An evaluation was conducted and ratings were assigned for the purpose of the appraisal. The results of the evaluation and appraisal calculation are compiled in this report.

## GENERAL OBSERVATIONS

The site appears to have been poorly maintained for the past several years and it is not possible to determine when normal maintenance ended. Tree pruning and maintenance appear to have been minimal over the years, which had a negative impact on the overall health of the trees.

The majority of the mature trees on the site are in various levels of decline due to a number of factors:

- Irrigation appears to be turned off at this time and it is unclear as to when the area has been previously watered.
- Some of the trees have died and others are in a severe state of decline as a result of the poor maintenance some of which will need to be removed for public safety.
- The Bradford Pears display symptoms of "Fire Blight" and die back due to poor maintenance and appear to have never been pruned.
- Some of the Sycamores are in a severe state of decline and will need to be removed for public safety.
- Some of the Robinias and Magnolias have not survived and will need to be removed for public safety.
- Some of the trees in the parking lot planters have been replaced within the past several years and are in need of maintenance.
- Tree stakes on replacement trees need to be removed or adjusted and weeds are growing up, in some cases nearly as tall as the tree.

**NOTE:** Competition for soil nutrients can be problematic where weeds are grown around new trees

The remaining trees on the site range in condition from poor to good. However, many are suffering from a variety of problems, some of which are listed in this report. All of the live trees on this site are in need of pruning and maintenance therefore I will not make specific comments regarding that topic. General comments and recommendations for individual trees can be seen in the Tree Inventory List. Additional information applicable to specific species will be discussed in the body of this report if deemed necessary.

Basic Guidelines for a Tree Protection Plan are included in this report.

## APPRAISAL METHODOLOGY

The "Trunk Formula Method," described in the 9<sup>th</sup> Edition of the Guide for Plant Appraisal, authored by the Council of Tree and Landscape Appraisers (hereafter referred to as the CTLA Guide) was utilized in the preparation of this appraisal. The CTLA guide suggests utilizing the Trunk Formula Method to estimate the value of trees larger than those Northern California Regional Plant Appraisal Committee to be a 24 inch box tree (pg. 60). However a 36" box tree has been substituted in this case per City of Hayward guidelines.

To determine appraised tree values with the "Trunk Formula", the following calculations are made per (pg. 70).

- A. Subtract the cross sectional area of the subject tree trunk from the cross sectional area of a 36"box replacement tree.
- B. Multiply this value by the unit cost of the tree.
- C. Add the installed cost of the 36" box replacement tree to determine the *basic tree cost*.
- D. Multiply the basic tree cost by the species, condition and location ratings to obtain the *appraised value* of the tree.
- E. If the appraised value of a tree is less than the basic installation cost of a 36" box tree, the value shall be set at *the basic tree cost value*.
- F. Round the appraised value to the nearest \$ 10 or \$ 100 if it is  $\leq \$5000$  or  $\geq \$5000$  respectively.

## LOCATION RATING

To determine the location rating, the following procedure was utilized as described in the CTLA Guide (Pg 54)

- A. Rate the overall quality of the general area and of buildings, landscape structures and plantings of the site (Site Rating).
- B. Rate the contribution of the plant in providing functional and aesthetic benefits (Contribution Rating).
- C. Rate how effectively the placement of the plant provides its functional and aesthetic benefits (Placement Rating).
- D. Determine the average percentile of the Site, Contribution and Placement ratings.

The following table represents the location ratings for the subject trees by species. For the purpose of this report this number shall be used as a base line for calculating the appraised value of the existing live trees as they are by species similar in contribution and placement. The site rating is a constant rating for the purpose of the appraisal.

## LOCATION RATING

Abbreviation	Trees Common Name	Site Rating	Contribution Rating	Placement Rating	Location Rating
Pinus c	Canary Island Pine	65	70	80	71
Plat r	Sycamore	65	75	75	71
Mag g	Magnolia G	65	75	75	71
Seq s	Redwood S	65	70	75	73

Lag i	Crape myrtle	65	80	75	73
Pyrus k	Evergreen Pear	65	65	70	67
Rob p	Black Locust	65	60	70	65
Pyrus c	Bradford Pear	65	60	75	67
Pod g	Podocarpus	65	70	70	68
Pinus t	Torrey Pine	65	75	70	70
Ginkgo	Ginkgo	65	60	75	67
Acer r	Red Maple	65	60	70	65
Wash r	Washington Palm	65	55	60	60
Quercus p	Pin Oak	65	70	70	68
Xyl c	Xylosma	65	70	75	70
Pitt u	Pittosporum	65	70	75	70
Cedrus d	Deodar Cedar	65	75	70	70
Cupp s	Italian Cypress	65	60	60	62
Pist c	Chinese Pistache	65	80	75	73
Laur n	Sweet Bay	65	80	80	75
Liq s	Liquidambar	65	60	60	62
Acer p	Japanese Maple	65	80	80	75
Arb m	Strawberry tree	65	60	75	67

### **SPECIES, SIZE AND CONDITION RATING OF SUBJECT TREES**

The diameter of the subject trees were measure with a diameter tape at 54" above the ground. The height was spread was determined by visual observation. The condition of the trees, were rated as described in the CTLA Guide (pg. 34-35) utilizing visual observations.

The following inventory list provides tree tag#, species name (common & botanical), DBH, height, canopy spread and condition rating, Individual comments, recommendations or general observations can be seen by specific tree in this section of the report.

The condition rating is located in the Tee Inventory List and shall be used in calculating the appraised value of the trees.

### **REFERENCE**

Council of Tree and Landscape Appraisers, Guide for Plant Appraisal, 9<sup>th</sup> Edition Savoy, Illinois: International Society of Arboriculture, Champaign IL © 2000.  
Species Classification and Group Assignment, Western Chapter International Society of Arboriculture, © 2004.

### **RESULTS OF APPRAISAL**

The appraised value of the subject trees are presented in the attached table. (See attached Appraisal Calculations pages 18-25)

### TREE INVENTORY LIST

Tag #	Common Name	Botanical Name	DBH	Height	Canopy Spread	Condition Rating	Comments / Recommendations
513	Evergreen Pear	Pyrus kawakamii "common"	12'	18"	18'	67	Tree is in fair to good health
514	Podocarpus	Podocarpus gracilior	13"	23'	15'	71	Tree is in fair to good health
515	Evergreen Pear	Pyrus kawakamii "common"	12"	15'	20'	70	Tree is in fair to good health
516	Magnolia	Magnolia grandiflora	7"	15'	10'	0	Tree has been removed.
517	Black Locust	Robinia psuedoacacia	8"	15'	12'	0	Tree is DEAD and should be removed for public safety
518	Magnolia	Magnolia grandiflora	8"	12'	12'	0	Tree has been removed
519	Magnolia	Magnolia grandiflora	6"	12'	10'	63	Tree is in fair to good health
520	Magnolia	Magnolia grandiflora	7"	12'	16'	64	Tree is dead.
521	Black Locust	Robinia psuedoacacia	11"	18'	22'	60	Tree is in poor health. 70% dead.
522	Magnolia	Magnolia grandiflora	8"	12'	10'	0	Tree has been removed.
523	Magnolia	Magnolia grandiflora	4"	10'	7'	0	Tree has been removed.
524	Maple "Red"	Acer rubrum "Red"	7"	12'	6'	74	Tree is in fair to good health
525	California Sycamore	Platanus racemosa	17"	45'	20'	74	Tree is in fair to good health
526	Bradford Pear	Pyrus calleryana "aristocrat"	6"	10'	8'	47	Tree is in fair to poor health Limb die back. Fire blight
527	Pin Oak	Quercus palustris	2"	7'	5'	74	Tree is in fair to good health
528	Pin Oak	Quercus palustris	4"	7'	7'	74	Tree is in fair to good health
529	Bradford Pear	Pyrus calleryana "aristocrat"	6"	12'	8'	47	Tree is in fair to poor health Limb die back. Fire blight
530	Bradford Pear	Pyrus calleryana "aristocrat"	8"	10'	6'	47	Tree is dead.
531	Pin Oak	Quercus palustris	3"	9'	6'	65	
532	Pin Oak	Quercus palustris	3"	8'	7'	65	Tree is in fair to poor condition. Fire blight and limb die back
533	Canary Island Pine	Pinus canariensis	13"	25'	18'	67	
534	Canary Island Pine	Pinus canariensis	11"	15'	7'	66	Tree is in fair to good health
535	Canary Island Pine	Pinus canariensis	12"	28'	8'	78	Tree is in fair to good health
356	California Sycamore	Platanus racemosa	9"	17'	20'	65	Tree is in fair to poor health.
537	Canary Island Pine	Pinus canariensis	19"	55'	13'	65	Tree is in fair to good health
538	Canary Island Pine	Pinus canariensis	18"	55'	13'	65	Tree is in fair to good health
539	Canary Island Pine	Pinus canariensis	19"	55'	13'	46	Tree is in fair to good health
540	Canary Island Pine	Pinus canariensis	16"	50'	13'	60	Tree is in fair to good health

### TREE INVENTORY LIST

541	Canary Island Pine	<i>Pinus canariensis</i>	20"	55'	14'	60	Tree is in fair to good health
542	Canary Island Pine	<i>Pinus canariensis</i>	18"	55'	14'	60	Tree is in fair to good health
543	Canary Island Pine	<i>Pinus canariensis</i>	13"	50'	13'	60	Tree is in fair to good health
544	Canary Island Pine	<i>Pinus canariensis</i>	19"	50'	15'	60	Tree is in fair to good health
545	Canary Island Pine	<i>Pinus canariensis</i>	18"	50'	15'	60	Tree is in fair to good health
546	Canary Island Pine	<i>Pinus canariensis</i>	18"	55'	15'	60	Tree is in fair to good health
547	Canary Island Pine	<i>Pinus canariensis</i>	23"	55'	20'	60	Tree is in fair to good health
548	Canary Island Pine	<i>Pinus canariensis</i>	21"	55'	20'	60	Tree is in fair to good health
549	Canary Island Pine	<i>Pinus canariensis</i>	13"	28'	12'	60	Tree is in fair to good health
450	Canary Island Pine	<i>Pinus canariensis</i>	11"	26'	10'	60	Tree is in fair to good health
551	Canary Island Pine	<i>Pinus canariensis</i>	15"	32'	9'	0	Tree is DEAD and should be removed for public safety
552	Canary Island Pine	<i>Pinus canariensis</i>	13"	26'	9'	60	Tree is in fair to poor health. 40% dead.
553	Xylosoma	<i>Xylosoma congestum</i>	10"	9'	12'	40	Tree is in fair to poor health. Limb die back
554	Xylosoma	<i>Xylosoma congestum</i>	6"	7'	6'	40	Tree is in fair to poor health. Limb die back
555	Xylosoma	<i>Xylosoma congestum</i>	5"	7'	7'	40	Tree is dead. 90%
556	Xylosoma	<i>Xylosoma congestum</i>	4"	7'	9'	40	Tree is in fair to poor health. Limb die back
557	Xylosoma	<i>Xylosoma congestum</i>	6"	7'	6'	40	Tree is in fair to poor health. Limb die back
558	Xylosoma	<i>Xylosoma congestum</i>	3"	8'	6'	40	Tree is in fair to poor health. Limb die back
559	Xylosoma	<i>Xylosoma congestum</i>	13"	11'	13'	40	Tree is in fair to poor health. Limb die back
560	Pittosporum	<i>Pittosporum undulatum</i>	17"	9'	10'	64	Tree is in fair to good health
561	Pittosporum	<i>Pittosporum undulatum</i>	5"	10'	10'	64	Tree is in fair to good health
562	Pittosporum	<i>Pittosporum undulatum</i>	18"	15'	13'	64	Tree is in fair to good health
563	Pittosporum	<i>Pittosporum undulatum</i>	10"	10'	10'	64	Tree is in fair to good health
564	Deodar Cedar	<i>Cedrus deodara</i>	14"	45'	20'	67	Tree is in fair to good health
565	Pittosporum	<i>Pittosporum undulatum</i>	20"	10'	18'	64	Tree is in fair to good health
566	Deodar Cedar	<i>Cedrus deodara</i>	19"	28'	28'	71	Tree is in fair to good health
567	Italian Cypress	<i>Cupressus sempervirens</i>	10"	35'	6'	54	Tree is in fair to poor health

### TREE INVENTORY LIST

568	Italian Cypress	Cupressus sempervirens	10"	35'	6'	54	Tree is in fair to poor health
569	Italian Cypress	Cupressus sempervirens	7"	35'	5'	54	Tree is in fair to poor health
570	Italian Cypress	Cupressus sempervirens	7"	23'	5'	54	Tree is in fair to poor health
571	Italian Cypress	Cupressus sempervirens	7"	28'	5'	54	Tree is in fair to poor health
572	Italian Cypress	Cupressus sempervirens	7"	28'	6'	54	Tree is in fair to poor health
573	Italian Cypress	Cupressus sempervirens	5"	21'	5'	54	Tree is in fair to poor health
574	Italian Cypress	Cupressus sempervirens	4"	21'	5'	54	Tree is in fair to poor health
575	Italian Cypress	Cupressus sempervirens	6"	28'	5'	54	Tree is in fair to poor health
576	Italian Cypress	Cupressus sempervirens	9"	37'	6'	54	Tree is in fair to poor health
577	Italian Cypress	Cupressus sempervirens	11"	37'	6'	54	Tree is in fair to poor health
578	Italian Cypress	Cupressus sempervirens	7"	30'	5'	54	Tree is in fair to poor health
579	Italian Cypress	Cupressus sempervirens	6"	37'	5'	54	Tree is in fair to poor health
580	Italian Cypress	Cupressus sempervirens	8"	37'	5'	54	Tree is in fair to poor health
581	Italian Cypress	Cupressus sempervirens	5"	37'	5'	54	Tree is in fair to poor health
582	Italian Cypress	Cupressus sempervirens	7"	37'	5'	54	Tree is in fair to poor health
583	Italian Cypress	Cupressus sempervirens	8"	37'	5'	54	Tree is in fair to poor health
584	Italian Cypress	Cupressus sempervirens	7"	37'	5'	54	Tree is in fair to poor health
585	Italian Cypress	Cupressus sempervirens	7"	37'	5'	54	Tree is in fair to poor health
586	Italian Cypress	Cupressus sempervirens	6"	37'	5'	54	Tree is in fair to poor health
587	Italian Cypress	Cupressus sempervirens	7"	37'	5'	54	Tree is in fair to poor health
588	Chinese Pistache	Pistacia chinensis	4"	9'	7'	63	Tree is in fair to good health
589	Bradford Pear	Pyrus calleryana "aristocrat"	6"	14'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
590	Bradford Pear	Pyrus calleryana "aristocrat"	5"	10'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
591	Bradford Pear	Pyrus calleryana "aristocrat"	8"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
592	Bradford Pear	Pyrus calleryana "aristocrat"	8"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
593	Bradford Pear	Pyrus calleryana "aristocrat"	8"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
594	Bradford Pear	Pyrus calleryana "aristocrat"	8"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
595	Bradford Pear	Pyrus calleryana "aristocrat"	5"	12'	6'	47	Tree is in fair to poor health Limb die back. Fire blight

### TREE INVENTORY LIST

596	Bradford Pear	Pyrus calleryana "aristocrat"	4"	11'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
597	Bradford Pear	Pyrus calleryana "aristocrat"	7"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
598	Evergreen Pear	Pyrus kawakamii "common"	9"	17'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
599	Evergreen Pear	Pyrus kawakamii "common"	4"	11'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
600	Evergreen Pear	Pyrus kawakamii "common"	6"	14'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
601	Ginkgo	Ginkgo biloba "autum gold"	2"	7'	3'	55	Tree is in fair to good health.
602	Ginkgo	Ginkgo biloba "autum gold"	1"	7'	2'	55	Tree is in fair to poor health
603	Ginkgo	Ginkgo biloba "autum gold"	2"	7'	2'	55	Tree is in fair to poor health
604	Ginkgo	Ginkgo biloba "autum gold"	1"	4'	2'	53	Tree is in fair to poor health
605	Bradford Pear	Pyrus calleryana "aristocrat"	5"	11'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
606	Bradford Pear	Pyrus calleryana "aristocrat"	6"	9'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
607	Bradford Pear	Pyrus calleryana "aristocrat"	7"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
608	Bradford Pear	Pyrus calleryana "aristocrat"	10"	16'	8'	47	Tree is in fair to poor health Limb die back. Fire blight
609	Bradford Pear	Pyrus calleryana "aristocrat"	8"	15'	8'	47	Tree is in fair to poor health Limb die back. Fire blight
610	Bradford Pear	Pyrus calleryana "aristocrat"	10"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
611	Bradford Pear	Pyrus calleryana "aristocrat"	5"	11'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
612	Chinese Pistache	Pistacia chinensis	4"	9'	7'	67	Tree is in fair to good health
613	Podocarpus	Podocarpus	5"	7'	4'	64	Tree is in fair to good health
614	Podocarpus	Podocarpus	5"	11'	4'	64	Tree is in fair to good health

### TREE INVENTORY LIST

615	Bradford Pear	Pyrus calleryana "aristocrat"	7"	11'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
616	Bradford Pear	Pyrus calleryana "aristocrat"	6"	11'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
617	Bradford Pear	Pyrus calleryana "aristocrat"	2"	6'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
618	Bradford Pear	Pyrus calleryana "aristocrat"	7"	14'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
619	Bradford Pear	Pyrus calleryana "aristocrat"	6"	12'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
620	Bradford Pear	Pyrus calleryana "aristocrat"	6"	9'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
621	Bradford Pear	Pyrus calleryana "aristocrat"	6"	12'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
622	Bradford Pear	Pyrus calleryana "aristocrat"	7"	13'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
623	Ginkgo	Ginkgo biloba "autum gold"	2"	6'	5'	53	Tree is in fair to poor health
624	Ginkgo	Ginkgo biloba "autum gold"	1"	4'	2'	54	Tree is in fair to poor health
625	Ginkgo	Ginkgo biloba "autum gold"	1"	5'	2'	53	Tree is in fair to poor health
626	Ginkgo	Ginkgo biloba "autum gold"	1"	4'	2'	53	Tree is in fair to poor health
627	Bradford Pear	Pyrus calleryana "aristocrat"	6"	15'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
628	Bradford Pear	Pyrus calleryana "aristocrat"	5"	13'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
629	Bradford Pear	Pyrus calleryana "aristocrat"	6"	15'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
630	Chinese Pistache	Pistacia chinensis	3"	8'	3'	64	Tree is in fair to good health
631	Chinese Pistache	Pistacia chinensis	3"	8'	5'	64	Tree is in fair to good health
632	Sweet Bay	Laurus nobilis	3"	7'	6'	74	Tree is in good health
633	Sweet Bay	Laurus nobilis	4"	6'	5'	74	Tree is in good health
634	Ginkgo	Ginkgo biloba	1"	4'	2'	63	Tree is in fair to poor health

### TREE INVENTORY LIST

		"autum gold"					
635	Chinese Pistache	Pistacia chinensis	2"	9'	3'	63	Tree is in fair to good health
636	Chinese Pistache	Pistacia chinensis	4"	11'	10'	65	Tree is in good health
637	Sweet Bay	Laurus nobilis	3"	8'	6'	74	Tree is in good health
638	Sweet Bay	Laurus nobilis	3"	7'	5'	74	Tree is in good health
639	Sweet Bay	Laurus nobilis	2"	6'	4'	74	Tree is in good health
640	Sweet Bay	Laurus nobilis	2"	6'	5'	74	Tree is in good health
641	Ginkgo	Ginkgo biloba "autum gold"	1"	5'	2'	53	Tree is in fair to good health.
642	Ginkgo	Ginkgo biloba "autum gold"	2"	6'	2'	53	Tree is in fair to good health.
643	Ginkgo	Ginkgo biloba "autum gold"	5"	7'	4'	53	Tree is in fair to good health.
644	Ginkgo	Ginkgo biloba "autum gold"	1"	6'	2'	53	Tree is in fair to good health.
645	Sweet Bay	Laurus nobilis	2"	7'	3'	74	Tree is in good health
646	Sweet Bay	Laurus nobilis	2"	7'	4'	73	Tree is in good health
647	Sweet Bay	Laurus nobilis	2"	7'	4'	74	Tree is in good health
648	Sweet Bay	Laurus nobilis	3"	7'	4'	74	Tree is in good health
649	Sweet Bay	Laurus nobilis	3"	7'	4'	74	Tree is in good health
650	Sweet Bay	Laurus nobilis	2"	6'	4'	73	Tree is in good health
651	Chinese Pistache	Pistacia chinensis	2"	7'	3'	71	Tree is in fair to good health
652	Chinese Pistache	Pistacia chinensis	2"	7'	3'	73	Tree has been removed.
653	Chinese Pistache	Pistacia chinensis	2"	7'	3'	73	Tree is in fair to good health
654	Chinese Pistache	Pistacia chinensis	2"	7'	3'	71	Tree is in fair to good health
655	Bradford Pear	Pyrus calleryana "aristocrat"	6"	9'	4'	47	Tree is dead.
656	Bradford Pear	Pyrus calleryana "aristocrat"	5"	12'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
657	Bradford Pear	Pyrus calleryana "aristocrat"	6"	12'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
658	Bradford Pear	Pyrus calleryana "aristocrat"	5"	12'	5'	47	Tree is in fair to poor health Limb die back. Fire blight. 80% dead.
659	Bradford Pear	Pyrus calleryana "aristocrat"	4"	10'	4'	47	Tree is in fair to poor health Limb die back. Fire blight
660	Bradford Pear	Pyrus calleryana "aristocrat"	7"	15'	7'	47	Tree is in fair to poor health Limb

### TREE INVENTORY LIST

							die back. Fire blight
661	Bradford Pear	Pyrus calleryana "aristocrat"	7"	13'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
662	Bradford Pear	Pyrus calleryana "aristocrat"	4"	11'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
663	Ginkgo	Ginkgo biloba "autum gold"	2"	7'	3'	54	Tree is in fair to good health.
664	Ginkgo	Ginkgo biloba "autum gold"	1"	4'	2'	53	Tree is dead.
665	Chinese Pistache	Pistacia chinensis	3"	7'	4'	64	Tree is in good health
666	Chinese Pistache	Pistacia chinensis	3"	8'	4'	64	Tree is in good health
667	Bradford Pear	Pyrus calleryana "aristocrat"	3"	7'	3'	47	Tree is in fair to poor health Limb die back. Fire blight
668	Bradford Pear	Pyrus calleryana "aristocrat"	7"	16'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
669	Bradford Pear	Pyrus calleryana "aristocrat"	8"	16'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
670	Chinese Pistache	Pistacia chinensis	3"	8'	3'	64	Tree is in good health
671	Chinese Pistache	Pistacia chinensis	4"	9'	3'	64	Tree is in good health
672	Crape Myrtle	Lagerstroemia Indica	5"	15'	6'	74	Tree is in fair to good health
673	Crape Myrtle	Lagerstroemia Indica	5"	15'	6'	74	Tree is in fair to good health
674	Crape Myrtle	Lagerstroemia Indica	5"	19'	8'	74	Tree is in fair to good health
675	Coast Redwood	Sequoia sempervirens	37"	65'	25'	74	Tree is in fair to good health
676	Bradford Pear	Pyrus calleryana "aristocrat"	7"	16'	7'	47	Tree is in fair to poor health Limb die back. Fire blight
677	Crape Myrtle	Lagerstroemia Indica 'muskogee'	5"	15'	6'	74	Tree is in fair to good health
678	Black Locust	Robinia psuedoacacia	7"	17'	10'	0	Tree is DEAD and should be removed for public safety
679	Black Locust	Robinia psuedoacacia	7"	16'	12'	53	Tree is in fair to poor health
680	Ginkgo	Ginkgo biloba "autum gold"	2"	6'	2'	53	Tree is in fair to poor health
681	Chinese Pistache	Pistacia chinensis	3"	7'	3'	74	Tree is in good health
682	Black Locust	Robinia psuedoacacia	10"	20'	12'	0	Tree is in fair to poor health.
683	Chinese Pistache	Pistacia chinensis	3"	9'	5'	73	Tree is in good health

### TREE INVENTORY LIST

684	Chinese Pistache	<i>Pistacia chinensis</i>	5"	9'	5'	73	Tree is in good health
685	Sweet Bay	<i>Laurus nobilis</i>	3"	7'	3'	74	Tree is in good health
686	Sweet Bay	<i>Laurus nobilis</i>	5"	10'	5'	74	Tree is in good health
687	Sweet Bay	<i>Laurus nobilis</i>	3"	7'	4'	74	Tree is in good health
688	Sweet Bay	<i>Laurus nobilis</i>	2"	6'	4'	73	Tree is in good health
689	Sweet Bay	<i>Laurus nobilis</i>	3"	8'	3'	74	Tree is in good health
690	Ginkgo	<i>Ginkgo biloba</i> "autum gold"	1"	4'	2'	73	Tree is in fair to poor health
691	Ginkgo	<i>Ginkgo biloba</i> "autum gold"	1"	4'	2'	53	Tree is in fair to poor health
692	Ginkgo	<i>Ginkgo biloba</i> "autum gold"	1"	5'	2'	53	Tree is in fair to poor health
693	California Sycamore	<i>Platanus racemosa</i>	17"	35'	25'	63	Tree is in fair to good health
694	Sweet Bay	<i>Laurus nobilis</i>	2"	6'	3'	74	Tree is in good health
695	Sweet Bay	<i>Laurus nobilis</i>	2"	6'	3'	74	Tree is in good health
696	Liquidambar	<i>Liquidambar styraciflua</i>	14"	25'	25'	53	Tree is in fair to poor health
697	Chinese Pistache	<i>Pistacia chinensis</i>	3"	9'	4'	64	Tree is in fair to good health
698	Black Locust	<i>Robinia psuedoacacia</i>	10"	25'	20'	0	Tree has been removed.
699	California Sycamore	<i>Platanus racemosa</i>	13"	28'	25'	30	Tree is in poor health. 60% Die back.
700	Sweet Bay	<i>Laurus nobilis</i>	2"	6'	4'	74	Tree is in good health
701	Sweet Bay	<i>Laurus nobilis</i>	2"	6'	5'	74	Tree is in good health
702	Liquidambar	<i>Liquidambar styraciflua</i>	9"	22'	18'	73	Tree is in fair to poor health
703	Ginkgo	<i>Ginkgo biloba</i> "autum gold"	1"	6'	2'	53	Tree is in fair to poor health
704	California Sycamore	<i>Platanus racemosa</i>	15"	30'	28'	63	Tree is in fair to good health
705	Bradford Pear	<i>Pyrus calleryana</i> "aristocrat"	3"	8'	2'	0	Tree is DEAD and should be removed for public safety
706	Bradford Pear	<i>Pyrus calleryana</i> "aristocrat"	4"	12'	4'	43	Tree is in fair to poor health Limb die back. Fire blight
707	California Sycamore	<i>Platanus racemosa</i>	19"	28'	25'	25	Tree is in poor health 60% Die back
708	Chinese Pistache	<i>Pistacia chinensis</i>	4"	12'	5'	64	Tree is in good health
709	Magnolia	<i>Magnolia grandiflora</i>	5"	10'	9'	0	Tree has been removed.
710	Magnolia	<i>Magnolia grandiflora</i>	5"	10'	9'	74	Tree is in good health

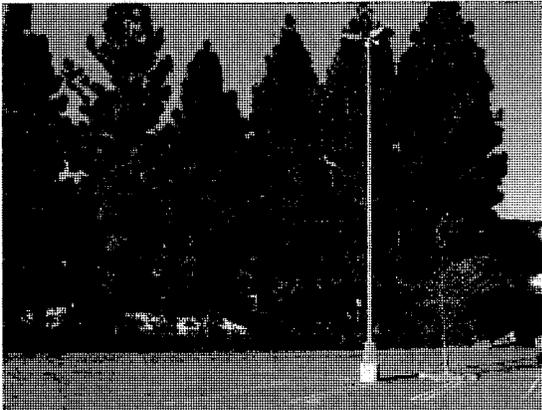
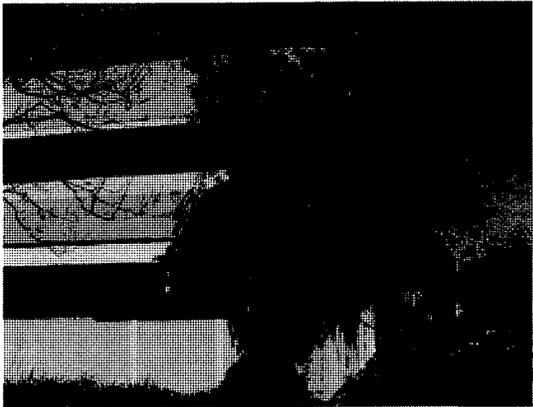
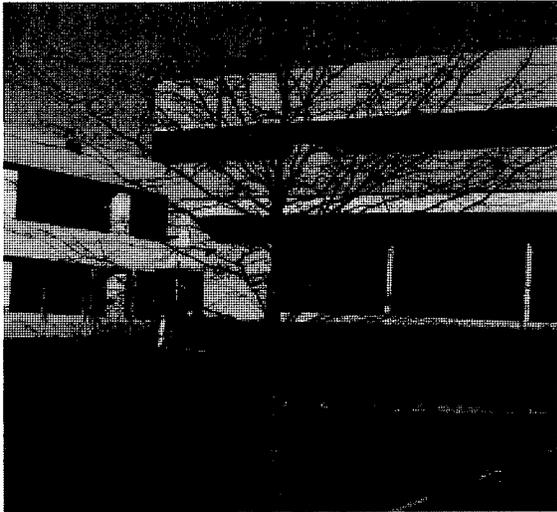
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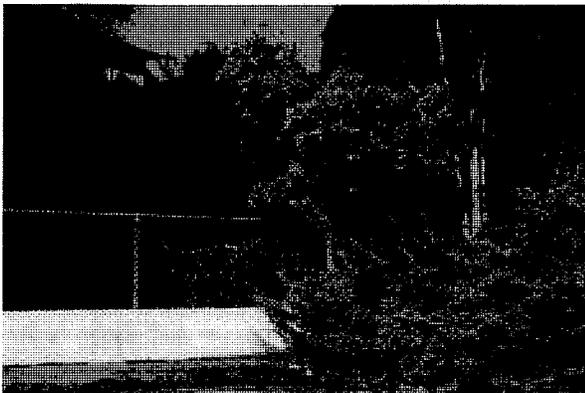
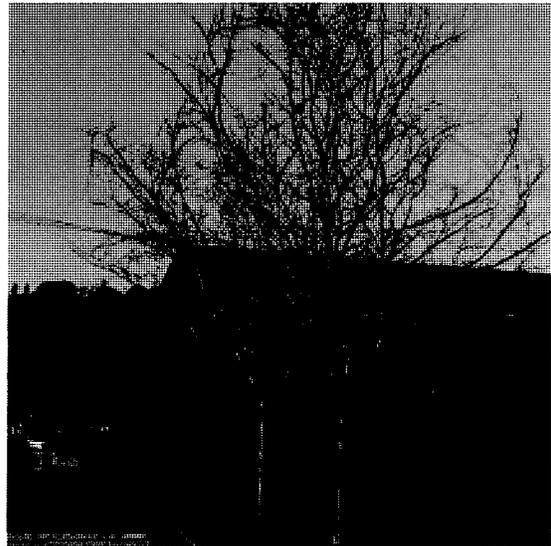
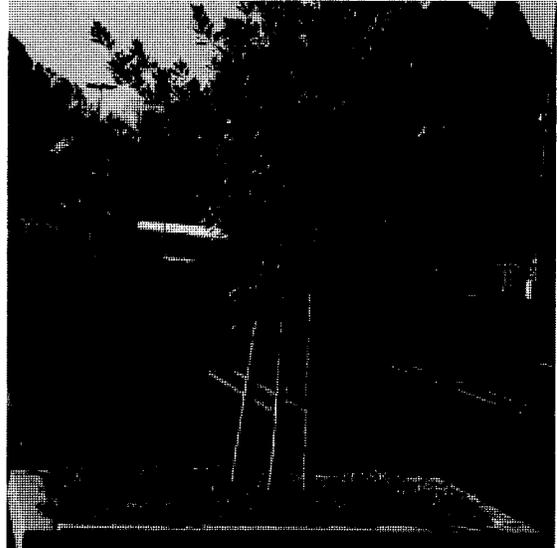
711	Liquidambar	Liquidambar styraciflua	14"	30'	12'	63	Tree is in fair to poor health. Limb failure
712	Bradford Pear	Pyrus calleryana "aristocrat"	5"	9'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
713	Bradford Pear	Pyrus calleryana "aristocrat"	5"	10'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
714	Bradford Pear	Pyrus calleryana "aristocrat"	5"	10'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
715	Bradford Pear	Pyrus calleryana "aristocrat"	5"	10'	6'	47	Tree is in fair to poor health Limb die back. Fire blight
716	Bradford Pear	Pyrus calleryana "aristocrat"	4"	9'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
717	Bradford Pear	Pyrus calleryana "aristocrat"	4"	9'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
718	Bradford Pear	Pyrus calleryana "aristocrat"	6"	13'	7'	0	Tree is DEAD and should be removed for public safety
719	California Sycamore	Platanus racemosa	20"	40'	40'	74	Tree is in good health.
720	Liquidambar	Liquidambar styraciflua	13"	23'	18'	63	Tree is in fair to good health. Limb failure
721	Bradford Pear	Pyrus calleryana "aristocrat"	4"	9'	4'	41	Tree is in fair to poor health Limb die back 30%. Fire blight
722	Bradford Pear	Pyrus calleryana "aristocrat"	4"	9'	4'	47	Tree is in fair to poor health Limb die back. Fire blight
723	Bradford Pear	Pyrus calleryana "aristocrat"	3"	8'	3'	47	Tree is in fair to poor health Limb die back. Fire blight
724	Bradford Pear	Pyrus calleryana "aristocrat"	4"	10'	4'	41	Tree is dead.
725	Bradford Pear	Pyrus calleryana "aristocrat"	5"	10'	5'	47	Tree is in fair to poor health Limb die back. Fire blight
726	Bradford Pear	Pyrus calleryana "aristocrat"	6"	12'	7'	44	Tree is in fair to poor health Limb die back 20%. Fire blight
727	Bradford Pear	Pyrus calleryana "aristocrat"	4"	10'	6'	44	Tree is in fair to poor health Limb die back 20%. Fire blight
728	California Sycamore	Platanus racemosa	11"	30'	30'	73	Tree is in fair to good health
729	Washington Palm	Washingtonia robusta	8"	5'	6'	54	Tree is in fair to good health
730	Black Locust	Robinia psuedoacacia	9"	23'	17'	0	Tree is DEAD and should be

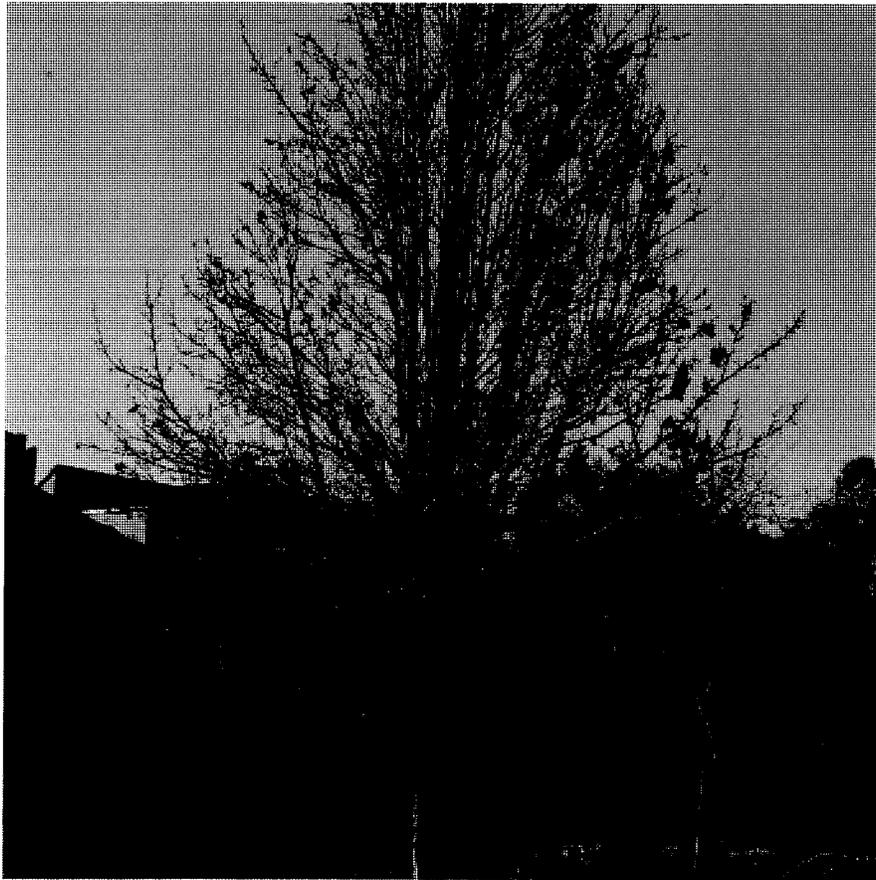
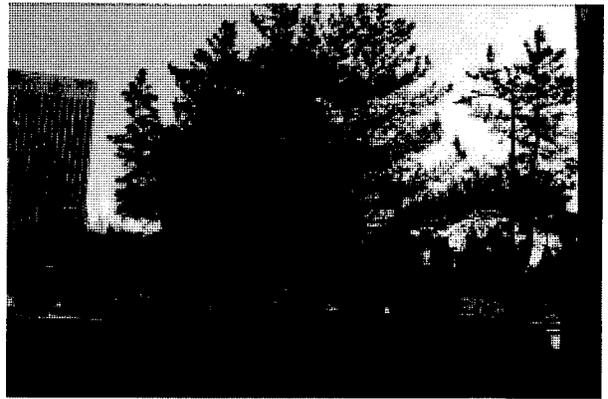
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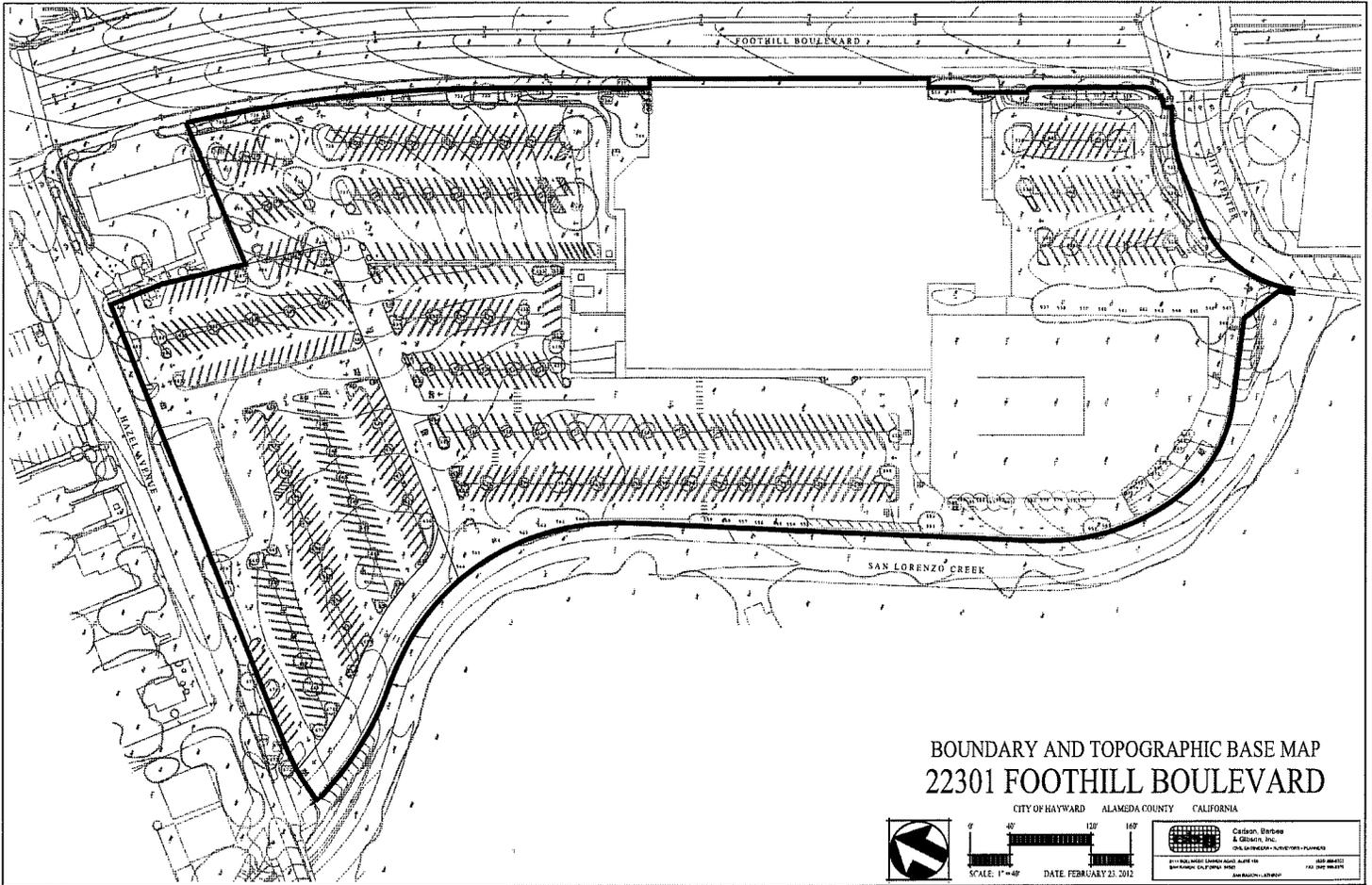
							removed for public safety
731	Black Locust	Robinia psuedoacacia	15"	23'	17'	0	Tree is DEAD and should be removed for public safety
732	Black Locust	Robinia psuedoacacia	8"	18'	15'	0	Tree is DEAD and should be removed for public safety
733	Black Locust	Robinia psuedoacacia	9"	23'	18'	0	Tree is in fair health.
734	Magnolia	Magnolia grandiflora	5"	10'	7'	74	Tree is dead.
735	Black Locust	Robinia psuedoacacia	8"	18'	20'	0	Tree is in fair to poor health.
736	Torrey Pine	Pinus torreyana	10"	18'	12'	63	Tree is in fair to good health
737	Torrey Pine	Pinus torreyana	9"	18'	12'	63	Tree is in fair to good health
738	Torrey Pine	Pinus torreyana	11"	15'	10'	63	Tree is in fair to good health
739	Torrey Pine	Pinus torreyana	7"	13'	8'	63	Tree is in fair to good health
740	Podocarpus	Podocarpus	4"	6'	5'	32	Tree is dying
741	Podocarpus	Podocarpus	2"	6'	4'	43	Tree is in fair to poor health
742	Podocarpus	Podocarpus	3"	6'	3'	32	Tree is dead.
743	Podocarpus	Podocarpus	2"	5'	3'	25	Tree is dead.
744	Japanese Maple	Acer palmatum	28"	35'	30'	78	Tree is in good health
745	Strawberry Tree	Arbutus marina	5"	10'	8'	75	Tree is in good health

PHOTOS









**BOUNDARY AND TOPOGRAPHIC BASE MAP  
22301 FOOTHILL BOULEVARD**

CITY OF HAYWARD ALAMEDA COUNTY CALIFORNIA



	Carlson, Barbee & Gibson, Inc.
	ONE HAYWARD AVENUE, SUITE 200 SAN FRANCISCO, CALIFORNIA 94102 SAN RAFAEL, CALIFORNIA
415-343-1100 415-343-1101 415-343-1102	415-343-1103 415-343-1104 415-343-1105

DATE: FEBRUARY 23, 2012

## TERMINOLOGY

<b>Adventitious roots</b>	Root tissue that develops from newly organized meristems; sometimes associated with fill and or stem decay.
<b>Aerial inspection</b>	An examination of the trunk and branches in the upper portions of the tree, to determine stability, presence of disease, decay, etc.
<b>Box cable</b>	A system of cables that connect the main limbs of a multi-branched tree that permits movement of individual branches with safe limits.
<b>Butt Rot</b>	Decay in lower trunk and root crown area.
<b>Buttress root</b>	A large woody root located at the base of the trunk (the root crown).
<b>Branch Taper</b>	Relative change in diameter with length; reflects ability of stem or branch to evenly distribute stress along its length
<b>Canopy</b>	The live foliage bearing part of the tree.
<b>Cavity</b>	An open wound, characterized by the presence of extensive decay and resulting in a hollow.
<b>Chlorosis</b>	Yellowing of leaves or needles caused usually caused by iron deficiency or other mineral deficiencies
<b>Codominant</b>	Equal in size and relative importance, usually associated with scaffold limbs I the crown.
<b>Compartmentalize</b>	Physiological processes which creates the chemical and mechanical boundaries that act to limit the spread of disease and decay organisms.
<b>Crack</b>	Longitudinal split in the stem, involving bark, cambium and xylem; may be vertically and horizontally oriented.
<b>DBH</b>	Diameter of the trunk, measured at breast height (54" above the ground). If the tree has multiple trunks, measurements were taken at the narrowest point between the ground and the division of the trunks.
<b>Decay</b>	Process of degradation of woody tissues by fungi and bacteria through decomposition of cellulose and lignin
<b>Defect</b>	Any structural weakness or deformity.
<b>Die back</b>	Death of shoots and branches, generally from tip to base.
<b>Drip line</b>	The width of the crown, as measured by the lateral extent of the foliage.
<b>Embedded Bark</b>	Pattern of development at branch junctions where bark is turned inward rather than pushed out (Same as Included bark)
<b>End weight reduction</b>	The removal of concentrations of foliage at the distal end of the branches.
<b>Lateral</b>	A side branch or twig.
<b>Pollarding</b>	Tree cut back to essentially the same point seasonally, resulting in multiple sprouts above the cuts.
<b>Root collar</b>	Area at the base of the tree where roots and stem merge (Same as Root Crown).
<b>Root crown inspection</b>	Extensive examination of the junction of the root and stem, and the area below, aimed at determining stability, presence of disease, decay, etc.
<b>Scaffold</b>	Primary structural branch of the crown.
<b>Scars or injuries</b>	Natural or man-made lesions of the bark in which wood is exposed.
<b>Structural Defect</b>	Internal or external points of weakness which reduce the stability of the tree

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost) <sup>1</sup>	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$5000; to \$10 if <\$5000)
513	Pyrus k	40%	12	67%	67%	\$745.06	\$52.76	113.04	7.06	105.98	\$6,336.56	\$1,137.79	\$1,140.00
514	Pod g	60%	13	61%	68%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$1,834.74	\$1,840.00
515	Pyrus k	40%	12	65%	67%	\$745.06	\$52.76	113.04	7.06	105.98	\$6,336.56	\$1,103.83	\$1,110.00
516	Mag g	80%	7	0%	71%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$0.00	\$0.00
517	Rob p	20%	8	0%	65%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$0.00	\$745.06
518	Mag g	80%	8	0%	71%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$0.00	\$0.00
519	Mag g	80%	6	63%	71%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$666.86	\$670.00
520	Mag g	80%	7	64%	71%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$873.17	\$0.00
521	Rob p	20%	11	60%	65%	\$745.06	\$52.76	94.99	7.06	87.93	\$5,383.98	\$419.95	\$745.06
522	Mag g	80%	8	0%	71%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$0.00	\$0.00
523	Mag g	80%	4	0%	71%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$0.00	\$0.00
524	Acer r	60%	7	74%	65%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$693.21	\$700.00
525	Plat r	60%	17	68%	71%	\$745.06	\$52.76	226.87	7.06	219.81	\$12,341.97	\$3,575.22	\$3,580.00
526	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
527	Quercus p	60%	2	74%	68%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$162.51	\$745.06
528	Quercus p	60%	4	74%	68%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$312.56	\$745.06
529	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
530	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$285.61	\$0.00
531	Quercus p	60%	3	65%	68%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$197.66	\$745.06
532	Quercus p	60%	3	65%	68%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$197.66	\$745.06
533	Pinus c	80%	13	62%	71%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$2,596.12	\$2,600.00
534	Pinus c	80%	11	62%	71%	\$745.06	\$52.76	94.99	7.06	87.93	\$5,383.98	\$1,896.02	\$1,900.00
535	Pinus c	80%	12	71%	71%	\$745.06	\$52.76	113.04	7.06	105.98	\$6,336.56	\$2,555.41	\$2,560.00
356	Plat r	60%	9	55%	71%	\$745.06	\$52.76	63.59	7.06	56.53	\$3,727.32	\$873.31	\$880.00
537	Pinus c	80%	19	60%	71%	\$745.06	\$52.76	283.39	7.06	276.33	\$15,323.97	\$5,222.41	\$5,300.00
538	Pinus c	80%	18	60%	71%	\$745.06	\$52.76	254.34	7.06	247.28	\$13,791.55	\$4,700.16	\$4,710.00
539	Pinus c	80%	19	46%	71%	\$745.06	\$52.76	283.39	7.06	276.33	\$15,323.97	\$4,003.85	\$4,010.00
540	Pinus c	80%	16	60%	71%	\$745.06	\$52.76	200.96	7.06	193.90	\$10,975.22	\$3,740.36	\$3,750.00
541	Pinus c	80%	20	60%	71%	\$745.06	\$52.76	314.00	7.06	306.94	\$16,939.21	\$5,772.88	\$5,800.00
542	Pinus c	80%	18	60%	71%	\$745.06	\$52.76	254.34	7.06	247.28	\$13,791.55	\$4,700.16	\$4,710.00

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost) <sup>1</sup>	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$8000; to \$10 if <\$5000)
543	Pinus c	80%	13	60%	71%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$2,512.37	\$2,520.00
544	Pinus c	80%	19	60%	71%	\$745.06	\$52.76	283.39	7.06	276.33	\$15,323.97	\$5,222.41	\$5,300.00
545	Pinus c	80%	18	60%	71%	\$745.06	\$52.76	254.34	7.06	247.28	\$13,791.55	\$4,700.16	\$4,710.00
546	Pinus c	80%	18	60%	71%	\$745.06	\$52.76	254.34	7.06	247.28	\$13,791.55	\$4,700.16	\$4,710.00
547	Pinus c	80%	23	60%	71%	\$745.06	\$52.76	415.27	7.06	408.21	\$22,281.96	\$7,593.69	\$7,600.00
548	Pinus c	80%	21	60%	71%	\$745.06	\$52.76	346.19	7.06	339.13	\$18,637.30	\$6,351.59	\$6,400.00
549	Pinus c	80%	13	60%	71%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$2,512.37	\$2,520.00
450	Pinus c	80%	11	60%	71%	\$745.06	\$52.76	94.99	7.06	87.93	\$5,383.98	\$1,834.86	\$1,840.00
551	Pinus c	80%	15	0%	71%	\$745.06	\$52.76	176.63	7.06	169.57	\$9,691.31	\$0.00	\$745.06
552	Pinus c	80%	13	45%	71%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$1,884.28	\$1,890.00
553	Xyl c	40%	10	40%	70%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$505.59	\$745.06
554	Xyl c	40%	6	40%	70%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$208.72	\$745.06
555	Xyl c	40%	5	40%	70%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$157.69	\$0.00
556	Xyl c	40%	4	40%	70%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$115.95	\$745.06
557	Xyl c	40%	6	40%	70%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$208.72	\$745.06
558	Xyl c	40%	3	40%	70%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$83.48	\$745.06
559	Xyl c	40%	13	40%	70%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$825.66	\$745.06
560	Pitt u	60%	17	64%	70%	\$745.06	\$52.76	226.87	7.06	219.81	\$12,341.97	\$3,317.52	\$3,320.00
561	Pitt u	60%	5	64%	70%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$378.47	\$745.06
562	Pitt u	60%	18	64%	70%	\$745.06	\$52.76	254.34	7.06	247.28	\$13,791.55	\$3,707.17	\$3,710.00
563	Pitt u	60%	10	64%	70%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$1,213.43	\$1,220.00
564	Cedrus d	80%	14	67%	70%	\$745.06	\$52.76	153.86	7.06	146.80	\$8,490.23	\$3,185.53	\$3,190.00
565	Pitt u	60%	20	64%	70%	\$745.06	\$52.76	314.00	7.06	306.94	\$16,939.21	\$4,553.26	\$4,560.00
566	Cedrus d	80%	19	71%	70%	\$745.06	\$52.76	283.39	7.06	276.33	\$15,323.97	\$6,092.81	\$6,100.00
567	Cupp s	40%	10	54%	62%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$604.55	\$745.06
568	Cupp s	40%	10	54%	62%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$604.55	\$745.06
569	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
570	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
571	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
572	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
573	Cupp s	40%	5	54%	62%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$188.56	\$745.06
574	Cupp s	40%	4	54%	62%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$138.64	\$745.06
575	Cupp s	40%	6	54%	62%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$249.57	\$745.06

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost) <sup>1</sup>	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$5000; to \$10 if <\$5000)
576	Cupp s	40%	9	54%	62%	\$745.06	\$52.76	63.59	7.06	.56.53	\$3,727.32	\$499.16	\$745.06
577	Cupp s	40%	11	54%	62%	\$745.06	\$52.76	94.99	7.06	87.93	\$5,383.98	\$721.02	\$745.06
578	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
579	Cupp s	40%	6	54%	62%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$249.57	\$745.06
580	Cupp s	40%	8	54%	62%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$404.87	\$745.06
581	Cupp s	40%	5	54%	62%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$188.56	\$745.06
582	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
583	Cupp s	40%	8	54%	62%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$404.87	\$745.06
584	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
585	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
586	Cupp s	40%	6	54%	62%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$249.57	\$745.06
587	Cupp s	40%	7	54%	62%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$321.67	\$745.06
588	Pist c	60%	4	63%	73%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$285.66	\$745.06
589	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
590	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
591	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$285.61	\$745.06
592	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$285.61	\$745.06
593	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$285.61	\$745.06
594	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$285.61	\$745.06
595	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
596	Pyrus c	30%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$97.80	\$745.06
597	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
598	Pyrus k	40%	9	47%	67%	\$745.06	\$52.76	63.59	7.06	56.53	\$3,727.32	\$469.49	\$745.06
599	Pyrus k	40%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$130.40	\$745.06
600	Pyrus k	40%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$234.74	\$745.06
601	Ginkgo	30%	2	55%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$59.50	\$745.06
602	Ginkgo	30%	1	55%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$45.77	\$745.06
603	Ginkgo	30%	2	55%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$59.50	\$745.06
604	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
605	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
606	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
607	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
608	Pyrus c	30%	10	47%	67%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$426.46	\$745.06

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost)†	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$5000; to \$10 if <\$5000)
609	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$265.61	\$745.06
610	Pyrus c	30%	10	47%	67%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$426.46	\$745.06
611	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
612	Pist c	60%	4	67%	73%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$303.80	\$745.06
613	Pod g	60%	5	64%	68%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$367.65	\$745.06
614	Pod g	60%	5	64%	68%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$367.65	\$745.06
615	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
616	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
617	Pyrus c	30%	2	47%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$50.85	\$745.06
618	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
619	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
620	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
621	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
622	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
623	Ginkgo	30%	2	53%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$57.34	\$745.06
624	Ginkgo	30%	1	54%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.93	\$745.06
625	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
626	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
627	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
628	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
629	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
630	Pist c	60%	3	64%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$208.93	\$745.06
631	Pist c	60%	3	64%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$208.93	\$745.06
632	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
633	Laur n	60%	4	74%	75%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$344.73	\$745.06
634	Ginkgo	30%	1	63%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$52.42	\$745.06
635	Pist c	60%	2	63%	73%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$148.52	\$745.06
636	Pist c	60%	4	65%	73%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$294.73	\$745.06
637	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
638	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
639	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
640	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
641	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost) <sup>1</sup>	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$500; to \$10 if <\$500)
642	Ginkgo	30%	2	53%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$57.34	\$745.06
643	Ginkgo	30%	5	53%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$149.99	\$745.06
644	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
645	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
646	Laur n	60%	2	73%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$176.81	\$745.06
647	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
648	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
649	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
650	Laur n	60%	2	73%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$176.81	\$745.06
651	Pist c	60%	2	71%	73%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$167.38	\$745.06
652	Pist c	60%	2	73%	73%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$172.10	\$0.00
653	Pist c	60%	2	73%	73%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$172.10	\$745.06
654	Pist c	60%	2	71%	73%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$167.38	\$745.06
655	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$0.00
656	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
657	Pyrus c	30%	6	47%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$176.05	\$745.06
658	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
659	Pyrus c	30%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$97.80	\$745.06
660	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
661	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
662	Pyrus c	30%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$97.80	\$745.06
663	Ginkgo	30%	2	54%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$58.42	\$745.06
664	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$0.00
665	Pist c	60%	3	64%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$208.93	\$745.06
666	Pist c	60%	3	64%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$208.93	\$745.06
667	Pyrus c	30%	3	47%	67%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$70.41	\$745.06
668	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
669	Pyrus c	30%	8	47%	67%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$285.61	\$745.06
670	Pist c	60%	3	64%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$208.93	\$745.06
671	Pist c	60%	4	64%	73%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$290.20	\$745.06
672	Lag i	50%	5	74%	73%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$380.30	\$745.06
673	Lag i	50%	5	74%	73%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$380.30	\$745.06
674	Lag i	50%	5	74%	73%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$380.30	\$745.06

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost) <sup>1</sup>	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$6000; to \$10 if < \$5000)
675	Seq s	80%	37	69%	73%	\$745.06	\$52.76	1074.67	7.06	1067.61	\$57,071.90	\$22,997.69	\$23,000.00
676	Pyrus c	30%	7	47%	67%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$226.92	\$745.06
677	Lag i	50%	5	74%	73%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$380.30	\$745.06
678	Rob p	20%	7	0%	65%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$0.00	\$745.06
679	Rob p	20%	7	53%	65%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$165.50	\$745.06
680	Ginkgo	30%	2	53%	67%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$57.34	\$745.06
681	Pist c	60%	3	74%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$241.57	\$745.06
682	Rob p	20%	10	0%	65%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$0.00	\$745.06
683	Pist c	60%	3	73%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$238.31	\$745.06
684	Pist c	60%	5	73%	73%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$450.19	\$745.06
685	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
686	Laur n	60%	5	74%	75%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$468.86	\$745.06
687	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
688	Laur n	60%	2	73%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$176.81	\$745.06
689	Laur n	60%	3	74%	75%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$248.19	\$745.06
690	Ginkgo	30%	1	73%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$60.74	\$745.06
691	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
692	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
693	Plat r	60%	17	63%	66%	\$745.06	\$52.76	226.87	7.06	219.81	\$12,341.97	\$3,079.08	\$3,080.00
694	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
695	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
696	Liq s	40%	14	53%	62%	\$745.06	\$52.76	153.86	7.06	146.80	\$8,490.23	\$1,115.96	\$1,120.00
697	Pist c	60%	3	60%	73%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$195.87	\$745.06
698	Rob p	20%	10	0%	65%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$0.00	\$0.00
699	Plat r	60%	13	30%	71%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$942.14	\$950.00
700	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
701	Laur n	60%	2	74%	75%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$179.23	\$745.06
702	Liq s	40%	9	73%	62%	\$745.06	\$52.76	63.59	7.06	56.53	\$3,727.32	\$674.79	\$745.06
703	Ginkgo	30%	1	53%	67%	\$745.06	\$52.76	0.79	7.06	-6.28	\$413.99	\$44.10	\$745.06
704	Plat r	60%	15	63%	71%	\$745.06	\$52.76	176.63	7.06	169.57	\$9,691.31	\$2,600.95	\$2,610.00
705	Pyrus c	30%	3	0%	67%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$0.00	\$745.06
706	Pyrus c	30%	4	43%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$89.48	\$745.06
707	Plat r	60%	19	25%	71%	\$745.06	\$52.76	283.39	7.06	276.33	\$15,323.97	\$1,632.00	\$1,640.00

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost+Installed Tree Cost)†	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$5000; to \$10 if <\$5000)
708	Pist c	60%	4	64%	73%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$290.20	\$745.06
709	Mag g	80%	5	0%	71%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$0.00	\$0.00
710	Mag g	80%	5	74%	71%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$591.81	\$600.00
711	Liq s	40%	14	63%	62%	\$745.06	\$52.76	153.86	7.06	146.80	\$8,490.23	\$1,326.51	\$1,330.00
712	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
713	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
714	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
715	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
716	Pyrus c	30%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$97.80	\$745.06
717	Pyrus c	30%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$97.80	\$745.06
718	Pyrus c	30%	6	0%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$0.00	\$745.06
719	Plat r	60%	20	85%	71%	\$745.06	\$52.76	314.00	7.06	306.94	\$16,939.21	\$6,133.69	\$6,200.00
720	Liq s	40%	13	80%	62%	\$745.06	\$52.76	132.67	7.06	125.61	\$7,371.98	\$1,462.80	\$1,470.00
721	Pyrus c	30%	4	41%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$85.31	\$745.06
722	Pyrus c	30%	4	47%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$97.80	\$745.06
723	Pyrus c	30%	3	47%	67%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$70.41	\$745.06
724	Pyrus c	30%	4	41%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$85.31	\$0.00
725	Pyrus c	30%	5	47%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$133.01	\$745.06
726	Pyrus c	30%	6	44%	67%	\$745.06	\$52.76	28.26	7.06	21.20	\$1,863.57	\$164.81	\$745.06
727	Pyrus c	30%	4	44%	67%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$91.56	\$745.06
728	Plat r	60%	11	73%	67%	\$745.06	\$52.76	94.99	7.06	87.93	\$5,383.98	\$1,579.98	\$1,580.00
729	Wash r	40%	8	54%	60%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$391.81	\$745.06
730	Rob p	20%	9	0%	65%	\$745.06	\$52.76	63.59	7.06	56.53	\$3,727.32	\$0.00	\$745.06
731	Rob p	20%	15	0%	65%	\$745.06	\$52.76	176.63	7.06	169.57	\$9,691.31	\$0.00	\$745.06
732	Rob p	20%	8	0%	65%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$0.00	\$745.06
733	Rob p	20%	9	0%	65%	\$745.06	\$52.76	63.59	7.06	56.53	\$3,727.32	\$0.00	\$745.06
734	Mag g	80%	5	74%	71%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$591.81	\$0.00
735	Rob p	20%	8	0%	65%	\$745.06	\$52.76	50.24	7.06	43.18	\$3,023.24	\$0.00	\$745.06
736	Pinus t	40%	10	63%	70%	\$745.06	\$52.76	78.50	7.06	71.44	\$4,514.23	\$796.31	\$745.06
737	Pinus t	40%	9	63%	70%	\$745.06	\$52.76	63.59	7.06	56.53	\$3,727.32	\$657.50	\$745.06
738	Pinus t	40%	11	63%	70%	\$745.06	\$52.76	94.99	7.06	87.93	\$5,383.98	\$949.73	\$950.00
739	Pinus t	40%	7	63%	70%	\$745.06	\$52.76	38.47	7.06	31.41	\$2,401.99	\$423.71	\$745.06
740	Pod g	60%	4	32%	68%	\$745.06	\$52.76	12.56	7.06	5.50	\$1,035.24	\$135.16	\$745.06

Tree #	Species Abbreviation	Species rating	Diam (in.) at 4.5 height	Condition Rating (%)	Location Rating	Installed Tree Cost (installed cost of largest commonly replaced tree)	Unit Tree Cost	Subject Tree Trunk Area (sq. in.)	Replacement Tree Trunk Area (sq. in.)	Subject Tree Trunk Area Replacement Tree Trunk Area (sq.in.)	Basic Tree Cost (Appraised Tree Trunk Increase X Unit Tree Cost*Installed Tree Cost) <sup>1</sup>	Appraised Value (Basic Tree Cost x Species Rating x Condition Location)	Appraised Value (Rounded to \$100 if over \$5000; to \$10 if <\$5000)
741	Pod g	60%	2	43%	68%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$94.43	\$745.06
742	Pod g	60%	3	32%	68%	\$745.06	\$52.76	7.07	7.06	0.00	\$745.32	\$97.31	\$0.00
743	Pod g	60%	2	25%	68%	\$745.06	\$52.76	3.14	7.06	-3.92	\$538.24	\$54.90	\$0.00
744	Acer p	60%	28	69%	75%	\$745.06	\$52.76	615.44	7.06	608.38	\$32,843.19	\$10,197.81	\$10,200.00
745	Arb m	80%	5	75%	67%	\$745.06	\$52.76	19.63	7.06	12.57	\$1,407.99	\$566.01	\$745.06

TOTAL TREE VALUES

\$288,475.38

## **Tree Protection Plan**

### ***Measures to protect existing trees during construction***

In order to limit the removal of additional trees and minimize damage to existing trees not directly affected by the construction, the project will should observe the following measures during construction:

1. All construction activity (grading, filling, paving, landscaping etc.) shall respect a root protection zone (RPZ) around all trees. The RPZ should be a distance of 1.0 times the dripline radius measured from the trunk of the tree. Exception to this standard could be considered on a case-by-case basis provided that it is demonstrated that an encroachment into the RPZ will not affect the root system or the health of the tree, and it is authorized by a certified Arborist or comparable specialist.
2. Temporary protective fencing shall be installed around the dripline of existing trees prior to commencement of any construction activity conducted within 25' of tree canopy. The fence shall be clearly marked to prevent inadvertent encroachment by heavy machinery.
3. Drainage will not be allowed to pond around the base of any tree.
4. An Arborist or tree specialist shall be retained to perform any necessary pruning of trees during construction activity.
5. Should any utility lines encroach within the tree protection zone, a single, shared utility conduit shall be used where possible to avoid negative impact to trees.
6. Roots exposed, as a result of construction activities shall be covered with wet burlap to avoid desiccation, and should be buried as soon as practicable.
7. Construction materials or heavy equipment shall not be stored within the root protection zone.
8. Only a Certified Arborist or Tree specialist will make specific recommendations as to where any existing trees can safely tolerate some level of fill within the drip line.
9. Trenches which are required within the root protection zone of existing native trees shall be bored (tunneled) under the root(s) using an auger or drill, rather than trenched, to avoid root disturbance.
10. Construction materials shall be properly stored away from existing trees to avoid spillage or damage to trees.

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*Species Classification and Group Assignment*, Western Chapter International Society of Arboriculture, © 2004.

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Hayward, California**

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The following terms and conditions apply to all oral and written reports and correspondence pertaining to the consultations, inspections and activities of Arbortech Tree Care Inc.

1. All property lines and ownership of property, trees, and landscape plants and fixtures are assumed to be accurate and reliable as presented and described to the consultant, either verbally or in writing. The consultant assumes no responsibility for verification of ownership or locations of property lines, or for results of any actions or recommendations based on inaccurate information.
2. It is assumed that any property referred to in any report or in conjunction with any services performed by Arbortech Tree Care Inc. is not in violation of any applicable codes, ordinances, statutes, or other governmental regulations, and that any titles and ownership to any property are assumed to be good and marketable. Any existing liens and encumbrances have been disregarded.
3. All reports and other correspondence are confidential, and are the property of Arbortech Tree Care Inc. and its named clients and their assigns or agents. Possession of this report or a copy thereof does not imply any right of publication or use for any purpose, without the express permission of the consultant and the client to whom the report was issued. Loss, removal or alteration of any part of a report invalidates the entire appraisal/evaluation.
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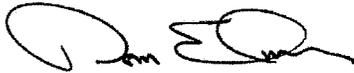
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**CERTIFICATE OF APPRAISAL**

I certify that the statements of fact in this letter are true complete and correct to the best of my knowledge. All information hereby stated or implied is made in good faith.



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Ronald E Carden  
Certified Arborist # WE-3445A