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JAN 27 2017

City of Davis
Community Development

Steve Greenfield, Vice President Cunningham Engineering Corporation Davis, California

RE: Tree Evaluation, Appraisal, Development Impact Assessment and Preservation Guidelines
Trackside Center, Davis, CA

Dear Steve,

January 26, 2017

Attached is the report you requested. I appreciate the opportunity to work with you. Please do not hesitate to contact me should you have questions regarding this report.

Sincerely,

John M. Lichter, M.S.

ASCA Registered Consulting Arborist #375

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ISA Board Certified Master Arborist #863

ISA Qualified Tree Risk Assessor





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City of Davis

Community Development

TREE EVALUATION, APPRAISAL, DEVELOPMENT IMPACT ASSESSMENT AND PRESERVATION GUIDELINES TRACKSIDE CENTER, DAVIS

Prepared for CUNNINGHAM ENGINEERING CORPORATION Davis, California

Prepared by TREE ASSOCIATES John M. Lichter, M.S.

ASCA Registered Consulting Arborist #375
ISA Board Certified Master Arborist #863
ISA Qualified Tree Risk Assessor

January 26, 2017

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Executive Summary

Assignment

Mr. Steve Greenfield with Cunningham Engineering, Davis contacted me requesting an arborist report for the Trackside Center development project off Third Street in Davis, California.

The report was to include an evaluation, appraisal, development impact assessment and preservation guidelines for all on site trees of significance (those greater than 5" diameter) as defined by the City of Davis Municipal Code Chapter 37. In addition, I my report was to include a large elm that is not located on the subject property. The elm is situated across the public alley from the Trackside Center property, on the western edge of the adjacent property, 921 3rd Street.

Number of Trees, Species Makeup, Size

I identified, tagged in the field and evaluated the trees on January 16, 2017. The site contains 10 trees of significance (see attached tree location map). I labeled the elm mentioned above tree "A."

Five species were present on site. All trees were planted with the exception of tree #79, which appeared to be a volunteer. The largest tree on site was a cork oak (#79), which had a trunk diameter of 27 inches. Three Canary Island pines were planted in a group on a turf covered mound to the west of an existing building. Three street trees and three parking lot planter trees made up the balance of the on site trees.

Tree Condition

Tree condition varied. Two of the street trees had poor-fair health, which was likely due to drought stress. One of the Chinese pistache had fair health while the remaining trees had no significant health concerns. The elm had poor structure while the remaining trees had fair or better structure. The structure of most of the trees could be improved through pruning. A table detailing the species, size, protection zone, condition ratings and maintenance and/or removal recommendations is attached (entitled "Tree Evaluation Trackside Center").

Development Impact Assessment

I recommended three trees be removed due to their poor condition, hardscape damage or both. Three of the trees (30% of the total) were to be removed solely due to site layout conflicts. Guidelines for modifying the current site plan to preserve the remaining four trees (the cork oak and three Canary Island pines on the west side of the project) are provided in the attached "Development Impact Assessment" table. The alley roadway should be constructed in such a way that any roots greater than 2 inches in diameter are preserved.



Tree Appraisal

The value of each tree was appraised following Arborist-standard methods of tree appraisal. The total appraised value of the three trees to be removed due to site layout conflicts was \$5,880.00. Results of the appraisal are attached in a table entitled "Tree Appraisal Calculations."

-End of Executive Summary

Limits/Assumptions of the Assignment

- This evaluation reports on the condition of the subject trees at the time of my site visit. Tree
 conditions change over time and, as they change, the trees values may change and this report may
 need to be revised.
- This appraisal utilized Arborist-standard methods based on guidelines found in the Guide for Plant Appraisal, 9th Edition, authored by the Council of Tree and Landscape Appraisers (CTLA).

Arborist Disclosure Statement

The following statement pertains to my work and this report.

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the Arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the Arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the Arborist. An Arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.



Tree Evaluation

For each of the trees meeting the City of Davis's criteria (trunks >5"diameter), the following data were provided (see tree location map below).

- Tree Number corresponds to a round aluminum tag affixed to each tree.
- Species common and Latin name of tree.
- Trunk Diameter the diameter of the tree (in inches) at 4.5' above grade, unless measurement at another location between 1 and 5 feet above grade provided a more accurate reflection of the size of the tree.
- Dripline the approximate maximum estimated distance from the trunk to the edge of the branches, in feet.
- Tree Protection Zone (TPZ) the radius in feet of a circular tree protection zone recommended by the author.
- Health Rating rating of the health of the tree. A rating of fair-good indicates no significant health concerns.
- Structural Rating rating of the structure of the tree. A rating of fair-good indicates no significant structural concerns.
- Condition Rating rating of the condition of the tree on a scale of 0-100% as described in the Guide for Plant Appraisal, p. 34-35.
- Comments comments regarding tree and landscape features that influenced condition and location ratings.
- Recommendations recommendations for tree work or treatments to improve tree structure or health or for further evaluation, where necessary. Note: recommendations are indicated in red where removal was recommended.

A table, entitled "Tree Evaluation" is attached, which summarizes the results of the tree evaluation. The approximate locations of trees are shown on the attached site plan.





Figure 1. Looking southwestward at cork oak #79.



Figure 2. Looking southward at trees 80-82 (front to back) with Third Street beyond.



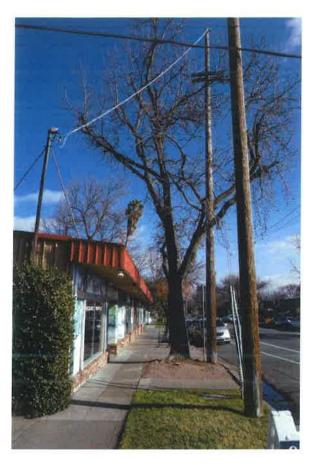


Figure 3. Looking eastward at trees 83-85 (front to back) with Third Street on the right. Note severe displacement of hardscape adjacent to tree #83.



Figure 4. Looking westward at trees 86-88 (front to back). Trees 79-82 are in the background (right to left).





Figure 4. Looking northward at tree A, with alley to the left.



Development Impact Assessment

I reviewed September 1, 2016 layout, grading, utility and planting plans as well as site plans dated November 4, 2016 prepared by Cunningham Engineering. Considering these plans, I rated the potential development impact to the trees, assuming all preservation guidelines recommended herein are followed. Where the impacts were significant, I made recommendations for possible design modifications. The final column in the table provides a impact rating should the noted design modifications be followed.

The shade cast by the proposed buildings will not affect the health of the trees on neighboring properties. The results of this assessment are presented in the attached table, entitled "Trackside Center Development Impact Assessment."

Appraisal Methods

Trees were appraised following guidelines found in the Council of Tree and Landscape Appraisers Guide for Plant Appraisal, 9th Edition. The guide suggests utilizing the Trunk Formula Method to estimate the value of trees larger than those that can be replaced with commonly available trees (regionally accepted as 24-inch boxed trees).

Appraised values derived with the Trunk Formula Method add the installed cost of the largest commonly available transplantable tree (assumed to be a 24-inch boxed tree) to the increase in value of the tree due to its larger than 24" box size (calculated as a regionally determined unit price per square inch of trunk multiplied by the difference between the area of the subject tree and the area of a 24-inch boxed tree). This "basic" value is then adjusted by regionally accepted species and arborist determined condition and location ratings (CTLA, p. 70).

Calculations of values of all on site trees are found in the attached table, entitled "Appraisal Calculations." The total appraised value of the three trees to be removed due to site layout conflicts was \$5,880.00.



Tree Preservation Guidelines

The guidelines presented below should be followed for all trees to be preserved to ensure the least impact considering the proposed site plan.

- Indicate surveyed trunk locations and tree protection zones (TPZ's) as described in the attached tables on all construction plans for trees to be preserved. Note, where infrastructure is located within protection zones, indicate protection zone as close to infrastructure as possible (minimize overbuild).
- Engage the Consulting Arborist to revise the development impact assessment for trees to be preserved as construction plans are revised.
- Tree preservation measures should be indicated on all pertinent construction plans.
- Avoid grading, compaction, trenching, rototilling, vehicle traffic, material storage, spoil, waste or washout or any other disturbance within tree protection zones (TPZ's).
- Conduct a meeting to discuss tree preservation guidelines with the Consulting Arborist and all contractors, subcontractors and project managers prior to the initiation of demolition and construction.
- Prior to any demolition activity on site, identify (tagged) trees to be preserved and install tree
 protection fencing in a circle centered at the tree trunk with a radius equal to the defined tree
 protection zone (see table) unless otherwise indicated on construction plans. Tree protection
 fences should be made of chain link with posts sunk into the ground. These fences should not
 be removed or moved until construction is complete. Avoid soil or above ground disturbances
 within the fenced area.
- Any pruning required for construction or recommended in this report should be performed by an ISA Certified Arborist or Tree Worker. Pruning for necessary clearance should be the minimum required to build the project and performed prior to demolition by an ISA Certified Arborist.
- Any work that is to occur within the protection zones of the trees should be monitored by the Consulting Arborist.
- If roots larger than 2 inches or limbs larger than 3 inches in diameter are cut or damaged during construction, contact Consulting Arborist as soon as possible to inspect and recommend appropriate remedial treatments.
- All trees to be preserved should be irrigated once every week during non-Winter months to uniformly wet the soil to a depth of at least 18 inches under and beyond their canopies.



Glossarv¹

Bow – the gradual curve of a branch or stem.

Callus – growth resulting from and found at the margin of wounds.

Canker – a localized area of dead tissue on a stem or branch, caused by fungal or bacterial organisms.

Central Leader – the main stem of the tree.

Chlorotic – yellow.

Codominant – equal in size and relative importance.

Crown – parts of the tree above the trunk.

Crown Clean – the removal of dead, dying, diseased, broken, and weakly attached branches and watersprouts from a tree's crown.

Decay – process of degradation of woody tissues by fungi and bacteria.

Dieback – death of shoots and branches, generally from tip to base.

Dropcrotch – the process of shortening trunks or limbs by pruning back to dominant lateral limbs.

End Weight – the concentration of foliage at the distal ends of branches.

Epicormic – shoots which result from adventitious or latent buds; often indicates poor vigor.

Included bark – pattern of development at branch junctions where bark is turned inward rather than pushed out.

Primary limb – limb attached directly to the trunk.

Reduction cut – shortening the length of a branch or stem by cutting it back to a lateral branch of at least one-third the diameter of the cut stem.

Root crown – area at the base of a tree where the roots and stem merge.

Secondary limb – limb attached directly to a primary limb.

Sound wood – undecayed wood.

Suppressed – trees which have been overtopped and whose crown development is restricted from above.

Target – people or property potentially affected by tree failure.

Topped – Pruned to reduce height by cutting large branches back to stubs.

Train – to prune a young tree to establish a strong structure.

Vigor - overall health.

Watersprouts – vigorous, upright, epicormic shoots that grow from latent buds in older wood.



1 Definitions from author or Matheny and Clark, Evaluation of Hazard Trees in Urban Areas, 2nd Edition c 1994, ISA.

Certification of Performance

I, John M. Lichter, certify:

- That I have personally inspected the tree(s) and/or the property referred to in this report, and have stated my findings accurately. The extent of the evaluation and/or appraisal is stated in the attached report and the Terms and Conditions;
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved;
- That the analysis, opinions and conclusions stated herein are my own, and are based on current scientific procedures and facts;
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party, nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events;
- That my analysis, opinions, and conclusions were developed and this report has been prepared according to commonly accepted Arboricultural practices;
- That no one provided significant professional assistance to the consultant, except as indicated within the report.

John M. Lichter, M.S.

ASCA Registered Consulting Arborist #375

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ISA Board Certified Master Arborist #863

ISA Qualified Tree Risk Assessor



ASSUMPTIONS AND LIMITING CONDITIONS: John M. Lichter dba TREE ASSOCIATES

- 1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.
- 2. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes or other governmental regulations.
- 3. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant/appraiser can neither guarantee nor be responsible for the accuracy of information provided by others.
- 4. The consultant/appraiser shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.
- 5. Unless required by law otherwise, possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant/appraiser.
- 6. Unless required by law otherwise, neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales or other media, without the prior expressed written or verbal consent of the consultant/appraiser particularly as to value conclusions, identity of the consultant/appraiser, or any reference to any professional society or institute or to any initialed designation conferred upon the consultant/appraiser as stated in his qualifications.
- 7. This report and any values expressed herein represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
- 8. Sketches, drawings, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise. The reproduction of any information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is for the express purpose or coordination and ease of reference only. Inclusion of said information on any drawings or other documents does not constitute a representation by John M. Lichter or TREE ASSOCIATES as to the sufficiency or accuracy of said information.
- 9. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
- 10. Loss or alteration of any part of this report invalidates the entire report.



Tree Evaluation Trackside Center

		i	Max						
# #	Species	(in.)	Dripline (ft.)	TPZ (ft.)	Comments	Health Rating	Structural rating	Condition Rating	Recommendations
62	cork oak	27	29	27	trunk has grown over chain link fence; codominant trunks with included bark; primary limbs with excessive end weight; asphalt to trunk; likely a volunteer	poog	fair	75%	supress south trunk using reduction cuts over several prunings.
80	Canary Island pine	18	21	18	primary limbs with excessive end weight	fair-good	fair	84%	use reduction cuts to remove 25% foliage of primary limbs with > 1/3 trunk dia.
81	Canary Island pine	15	19	15		fair-good	poog	91%	
82	Canary Island pine	24	22	24	unbalanced crown; primary limbs with excessive end weight	fair-good	fair	84%	use reduction cuts to remove 25% foliage of primary limbs with > 1/3 trunk dia.
83	sweet gum	22	27	22	girdling roots; lifting walk and curb significantly; walk ground down; primary limbs with excessive end weight; headed limbs; codominant trunks	fair-good	fair	72%	remove tree due to severe hardscape displacement and impact to tree of repair of walk.
84	sweet gum	6	14	6	low vigor; limbs headed	poor-fair	fair	%99	remove due to poor health and poor species suitability for street tree planting.
85	callery pear	14 @3'	22	14	low vigor; sidewalk damage; walk ground down; primary limbs with excessive end weight; limbs headed	poor-fair	fair	%95	remove due to poor health and hardscape displacement.

Tree Evaluation Trackside Center

Tree Associates Report Dated: January 26, 2017

To Accompany

L			Max						
Tree		Dia.		TPZ		Health	Structural Condition	Condition	
#	Species	(in.)	(ft.)	(£	Comments	Rating	rating	Rating	Recommendations
									aerial inspection. map decay.
					codominant trunks: trunk decay:				crown reduction. crown
⋖	elm	48 est	40	48		fair-annd	7000	6/4	clean. use reduction cuts to
					weight: limb		5	B / II	remove 25% foliage of
									primary limbs with > 1/3
									trunk dia.
	Chinese				codominant trunks with included				select leader, drop crotch
98	pistache	ნ	21	ნ	bark: multiple trunks	fair-good	fair	%89	competing trunks or primary
									limbs.
	Chinese								select leader, drop crotch
87	pistache	7	16	7	multiple trunks; low vigor	fair	fair	%99	competing trunks or primary
									limbs.
1	Chinese								select leader, drop crotch
<u></u>	pistache	11	20	11	codominant trunks; multiple trunks	fair-good	fair	%69	competing trunks or primary
									limbs.

Trackside Center Development Impact Assessment

						tona
Max Dripline (ft.)		TPZ (ft.)	Infrastructure within TPZ	Development Impact Rating	Possible Design Modifications/Construction Methods	Rating Following Modification
			Concrete plaza 10' northeast, east and southeast of trunk; stormwater planter swale under		Avoid all grading and soil disturbance (and retaining walls and plaza) within 16' east and 20 feet north/south of trunk. Pre-cut	
29		27 t	tree; retaining wall 10' north and	Severe	roots at grading limits. Remove	Low/
		-, 10	south of trunk; seat wall 23' east and 25' south of trunk; storm		stormwater planter from within TPZ. Install irrigation within TPZ where possible.	Moderate
			drain 25' north and northeast of		Plant drought tolerant plants andinstall	
	+		trunk.		wood chip mulch within TPZ.	
					Avoid all grading and soil disturbance	
					(including retaining wall west and south of	
					trunk, stormwater planter and storm	
					drain)within 13' east and 15' north of trunk.	
			Retaining wall immediately west		Redesign site grading to place retaining	
71		, ,	of trunk; stormwater planter	Sovere	wall to the east of tree. Pre-cut roots at	Low/
			swale under tree; seatwall north	ספאפוע	grading limits.	Moderate
			of trunk; fence north of trunk		Install irrigation within TPZ where possible.	
					Plant drought tolerant plants and install	
	_				wood chip mulch within TPZ.	
					Install fence with piers avoiding roots >2"	
	-				diameter.	

Trackside Center Development Impact Assessment

To Accompany Tree Associates Report Dated January 26, 2017

Impact Rating Following Modification		of in) II Low/ cut Moderate t			
Possible Design Modifications/Construction Methods	Avoid all grading and soil disturbance (including retaining wall west and south of trunk, stormwater planter and storm drain) within 11 feet east of trunk (retaining wall could be installed at this location). Precut roots at grading limits. Install irrigation within TPZ where possible. Plant drought tolerant plants and install wood chip mulch within TPZ.	Avoid all grading and soil disturbance (including retaining wall west and south of trunk, stormwater planter and storm drain) within 16 feet east of trunk (retaining wall could be installed at this location). Pre-cut roots at grading limits. Install irrigation within TPZ where possible. Plant drought tolerant plants and install wood chip mulch within TPZ.			
Development Impact Rating	Severe	Severe	Removed	Removed	Removed
Infrastructure within TPZ	Retaining wall immediately west of trunk; stormwater planter swale under tree	Retaining wall immediately west and several feet south of trunk; stormwater planter swale under tree;	Remove due to severe hardscape damage	Remove due to poor health and poor species suitability for street tree planting	Remove due to poor health and hardscape displacement
TPZ (ft.)	15	24	22	6	14
Max Dripline (ft.)	19	22	27	14	22
Species	Canary Island pine	Canary Island pine	sweet gum	sweet gum	callery pear
Tree	81	82	83	84	85

Trackside Center Development Impact Assessment

To Accompany Tree Associates Report Dated January 26, 2017

		Max					Impact
Tree		Dripline	TPZ		Development	Possible Design	Kating
#	Species	(ft.)	(ft.)	Infrastructure within TPZ	Impact Rating	Modifications/Construction Methods	Modification
86	Chinese	7,1	c	To be removed to accommodate			
3	pistache	17	ת	development	Removed		
87	Chinese	16	7	To be removed to accommodate	-		
3	pistache	07	`	development	Kemoved		
0	Chinese	00	7	To be removed to accommodate			
0	pistache	70	11	development	Removed		
						Demolish existing road under arborist	
						supervision preserving any roots >2" which	
⋖	elm	40	48	48 Alley re-built just west of trunk	TRD	are found. Abandon utilities in place if	
			}		2	roots found in vicinity. Construct road	MO
						avoiding damage to these roots using a	
						modified road section if necessary.	

Tree Appraisal Trackside Center

											Basic Tree		
											Cost	Appraised	
											(Appraised	Value	Appraised
								_	Replace-		Tree Trunk	(Basic Tree	Value
						Installed	Unit Tree	Trunk or	ment		Increase X	Cost X	(Rounded to
						Tree Cost	Cost	Adjusted	Tree	Appraised	Unit Tree	Species	\$100.00 if
ŀ		i				(installed	(Cost per	Trunk	Trunk	Tree Trunk	Cost +	Rating X	over \$5,000;
- re		Dia.	Species	Condition Location	Location	cost of 24"	sq. in of	Area	Area	Increase	Installed Tree	Condition X	to \$10.00 if <
#	Species	ii.	Rating	Rating	Rating	box tree)	trunk)	(sq. in.)	(sq. in.)	(sq. in.)	Cost)	Location)	\$5000)
79	cork oak	27	%06	75%	%09	\$ 345.46	\$ 77.04	572	2.24	569.8	\$ 44,239.77	\$ 17,917.11	\$ 17,900.00
80	Canary Island pine	18	%06	84%	73%	\$ 345.46	\$ 45.46	254	3.8	250.2	\$ 11,719.55	\$ 6,496.66	\$ 6,500.00
81	Canary Island pine	15	%06	91%	73%	\$ 345.46	\$ 45.46	177	3.8	173.2	\$ 8,219.13	\$ 4,893.72	\$ 4,890.00
82	Canary Island pine	24	%06	84%	73%	\$ 345.46	\$ 45.46	452	3.8	448.2	\$ 20,720.63	\$ 11,486.35	\$ 11,500.00
83	sweet gum	22	20%	72%	53%	\$ 345.46	\$ 77.04	1 380	2.24	377.8	\$ 29,448.09	\$ 5,608.94	\$ 5,600.00
84	sweet gum	6	20%	%99	%09	\$ 345.46	\$ 77.04	1 64	2.24	61.8	\$ 5,103.45	\$ 1,004.74	
85	callery pear	14 @3'	20%	%95	%89	\$ 345.46	\$ 77.04	154	2.24	151.8	\$ 12,037.05		1
98	Chinese pistache	6	%06	63%	%89	\$ 345.46	\$ 77.04	1 64	2.24	61.8	\$ 5,103.45	\$ 1,808.54	\$ 1,810.00
87	Chinese pistache	7	%06	%99	%89	\$ 345.46	\$ 77.04	38	2.24	35.8	\$ 3,100.41	\$ 1,153.64	\$ 1,150.00
80	Chinese pistache	11	%06	%69	83%	\$ 345.46	\$ 77.04	1 95	2.24	92.8	\$ 7,491.69	\$ 2,920.35	\$ 2,920.00

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JAN 27 2017

City of Davis
Community Development

Tree Location Map 51.34' 25.69' \$ 25'02'04" E 51 33' 2.30' 1.15' \$ 22'43'19' E 2.30 LEGEND FIRE HYDRANT
FENCE LINE
OVERNEAD ELECTRIC LINE
OVERNEAD TELEPHONE LINE
OVERHEAD RY SIGNAL LINE
GAS LINE
STORM DRAIN LINE
SANITARY SWER LINE
DEMETTIC MATER CLINE
ELEVATION CONTOUR
RAILROAD SIGNAL ELECTRIC FLOWLINE GRATE INVERT ELEVATION RIM ELEVATION DIMENSION POINT
SET 5/8" REBAR LS5435
SET 1" COPPER DISK LS5435
DRAIN HALET
DRAIN HALET
DRAIN HALET
SIGN
GAS VALVE
IRRIGATION CONTROL VALVE
SEWER CLEANOUT
WATER VALVE
STERME BRAIN MANGULE
TELLEPHONE MANGULE
UTILITY POLE
ELECTRICE DOX
WATER MALE NOTES FRAME SURVETHO & MAPPING 69 A STREET DAYS, CA. 95616 S50,756,17044 (v.k.f) inframe@don.org.