

America Center (San Jose, CA) Proposed Building 5 & Garage Expansion  
 Inventory of Existing Trees to be potentially impacted by Building 5 &  
 Garage Expansion  
 August 1st, 2016



Tree Number	Botanical Name	Common Name	Approximate Size - DBH (Diameter)	Approximate Canopy Height	Approximate Canopy Width	Protect (P) / Remove (R)
1	Lophostemon Confertus	Brisbane Box	4"	17'	9'	R
2	Lophostemon Confertus	Brisbane Box	4.5"	21'	9'	R
3	Lophostemon Confertus	Brisbane Box	5.5"	19'	13'	R
4	Lophostemon Confertus	Brisbane Box	5.25"	21'	10'	R
5	Lophostemon Confertus	Brisbane Box	5"	19'	11'	R
6	Lophostemon Confertus	Brisbane Box	4.5"	18'	9'	R
7	Melaleuca Quinquinervia	Paperbark Tree	5.5"	15'	9'	R
8	Melaleuca Quinquinervia	Paperbark Tree	5.25"	14'	7'	R
9	Melaleuca Quinquinervia	Paperbark Tree	5"	15'	7'	R
10	Melaleuca Quinquinervia	Paperbark Tree	5.5"	15'	8'	R
11	Melaleuca Quinquinervia	Paperbark Tree	5.5"	15'	9'	R
12	Melaleuca Quinquinervia	Paperbark Tree	5.25	15'	9'	R
13	Melaleuca Quinquinervia	Paperbark Tree	5.5"	18'	8'	R
14	Melaleuca Quinquinervia	Paperbark Tree	5"	17'	7'	R
15	Melaleuca Quinquinervia	Paperbark Tree	5"	17'	8'	R
16	Melaleuca Quinquinervia	Paperbark Tree	5.5"	19'	8'	R
17	Melaleuca Quinquinervia	Paperbark Tree	6"	16'	11'	R
18	Melaleuca Quinquinervia	Paperbark Tree	5.5"	15'	8'	R
19	Melaleuca Quinquinervia	Paperbark Tree	6"	18'	9'	R
20	Melaleuca Quinquinervia	Paperbark Tree	5.5"	11'	8'	R
21	Melaleuca Quinquinervia	Paperbark Tree	5"	15'	9'	R
22	Melaleuca Quinquinervia	Paperbark Tree	5.5"	15'	8'	R
23	Melaleuca Quinquinervia	Paperbark Tree	5.5"	15'	8'	R
24	Melaleuca Quinquinervia	Paperbark Tree	6"	14'	9'	R
25	Lophostemon Confertus	Brisbane Box	4.25"	17'	10'	R

Tree Number	Botanical Name	Common Name	Approximate Size - DBH (Diameter)	Approximate Canopy Height	Approximate Canopy Width	Protect (P) / Remove (R)
26	Lophostemon Confertus	Brisbane Box	6.5"	23'	11'	R
27	Lophostemon Confertus	Brisbane Box	6"	22'	11'	R
28	Lophostemon Confertus (Tree is dead and has not been removed)	Brisbane Box	4.75"	20'	9'	R
29	Lophostemon Confertus	Brisbane Box	5"	20'	11'	R
30	Lophostemon Confertus	Brisbane Box	6"	20'	14'	R
31	Pistacia Chinensis	Chinese Pistache	Tree's been removed			
32	Pistacia Chinensis	Chinese Pistache	3.5"	14'	15'	R
33	Pistacia Chinensis	Chinese Pistache	2.75"	12'	10'	R
34	Pistacia Chinensis	Chinese Pistache	3"	12'	10'	R
35	Pistacia Chinensis	Chinese Pistache	3"	15'	12'	R
36	Pistacia Chinensis	Chinese Pistache	3.25"	16'	13'	R
37	Pistacia Chinensis	Chinese Pistache	2.25"	14'	9'	R
38	Pistacia Chinensis	Chinese Pistache	3"	15'	14'	R
39	Pistacia Chinensis	Chinese Pistache	2.5"	12'	10'	R
40	Quercus Agrifolia	Costal Live Oak	3"	11'	7'	R
41	Rhus Lancea	African Sumac	5"	12'	12'	R
42	Rhus Lancea	African Sumac	5"	13'	12'	R
43	Schinus Molle	California Pepper Tree	6.5"	16'	15'	R
44	Quercus Agrifolia	Costal Live Oak	5"	16'	14'	R
45	Schinus Molle	California Pepper Tree	9"	20'	22'	R
46	Schinus Molle	California Pepper Tree	7"	14'	15'	R
47	Schinus Molle	California Pepper Tree	8"	16'	20'	R
48	Schinus Molle	California Pepper Tree	8"	18'	18'	R
49	Schinus Molle	California Pepper Tree	7"	18'	17'	R
50	Schinus Molle	California Pepper Tree	9"	19'	18'	R
51	Rhus Lancea	African Sumac	6"	15'	13'	R
52	Rhus Lancea	African Sumac	Tree's been removed			
53	Schinus Molle	California Pepper Tree	8"	24'	18'	P
54	Quercus Agrifolia	Costal Live Oak	6"	24'	13'	P
55	Rhus Lancea	African Sumac	4.5"	12'	14'	P

Tree Number	Botanical Name	Common Name	Approximate Size - DBH (Diameter)	Approximate Canopy Height	Approximate Canopy Width	Protect (P) / Remove (R)
56	Schinus Molle	California Pepper Tree	7.5"	24'	20'	P
57	Schinus Molle	California Pepper Tree	9.5"	24'	20'	P
58	Quercus Agrifolia	Costal Live Oak	6.75"	25'	14'	P
59	Quercus Agrifolia	Costal Live Oak	8"	23'	19'	P
60	Schinus Molle	California Pepper Tree	4.75"	15'	13'	P
61	Schinus Molle	California Pepper Tree	9.75"	26'	24'	P
62	Rhus Lancea	African Sumac	5"	14'	14'	P
63	Quercus Agrifolia	Costal Live Oak	7"	14'	13'	P
64	Rhus Lancea	African Sumac	3.25"	9'	9'	P
65	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.5"	15'	12'	R
66	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.25"	16'	11'	R
67	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4"	15'	10'	R
68	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.5"	15'	10'	R
69	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.5"	14'	11'	R
70	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4"	14'	12'	R
71	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	3.75"	12'	10'	R
72	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	3.5"	12'	10'	R
73	Melaleuca Quinquinervia	Paperbark Tree	7"	22'	12'	R
74	Melaleuca Quinquinervia	Paperbark Tree	8"	20'	12'	R
75	Melaleuca Quinquinervia	Paperbark Tree	6"	18'	14'	R
76	Melaleuca Quinquinervia	Paperbark Tree	7"	16'	13'	R
77	Melaleuca Quinquinervia	Paperbark Tree	7.25"	22'	14'	R
78	Melaleuca Quinquinervia	Paperbark Tree	8.5"	22'	15'	R
79	Melaleuca Quinquinervia	Paperbark Tree	3.5"	13'	7'	R
80	Melaleuca Quinquinervia	Paperbark Tree	5.5"	17'	13'	R
81	Melaleuca Quinquinervia	Paperbark Tree	3"	14'	7'	R
82	Melaleuca Quinquinervia	Paperbark Tree	8"	22'	17'	R
83	Melaleuca Quinquinervia	Paperbark Tree	6.75"	16'	14'	R
84	Melaleuca Quinquinervia	Paperbark Tree	8"	18'	16'	R
85	Melaleuca Quinquinervia	Paperbark Tree	8"	19'	15'	R
86	Melaleuca Quinquinervia	Paperbark Tree	8.5"	17'	15'	R

Tree Number	Botanical Name	Common Name	Approximate Size - DBH (Diameter)	Approximate Canopy Height	Approximate Canopy Width	Protect (P) / Remove (R)
87	Melaleuca Quinquinervia	Paperbark Tree	7.5"	16'	14'	R
88	Melaleuca Quinquinervia	Paperbark Tree	9"	21'	16'	R
89	Melaleuca Quinquinervia (Tree is dead and has not been removed)	Paperbark Tree	3.25"	14'	5'	R
90	Melaleuca Quinquinervia (Tree is dead and has not been removed)	Paperbark Tree	4"	15'	6'	R
91	Melaleuca Quinquinervia	Paperbark Tree	7.5"	18'	14'	R
92	Melaleuca Quinquinervia	Paperbark Tree	5"	16'	10'	R
93	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	3.75"	14'	12'	R
94	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	3.75"	13'	12'	R
95	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.5"	15'	12'	R
96	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.5"	15'	13'	R
97	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	3.5"	15'	11'	R
98	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.5"	14'	12'	R
99	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	3.5"	13'	12'	R
100	Zelkova Serrata 'Village Green'	Sawleaf Zelkova	4.75"	13'	13'	R
101	Schinus Molle	California Pepper Tree	11"	22'	25'	R

**Tree inventory site visit was held on July 28th, 2016**

<b>Total quantity of existing trees</b>	<b>101</b>
Quantity of trees that have been removed	2
Quantity of dead trees that have not been removed	3
Quantity of trees to be protected	12
Quantity of trees to be removed	84

**Attachment: Existing Tree Inventory Maps L0.01 and L0.02 dated August 1st, 2016, and Total Estimated Irrigation Water Use in Gallon per Year Calculations.**

**References:**

America Center Phase 1 - Bulletin #10, dated November 14th, 2008  
Topographic survey by BKF Engineering, dated 2010 and 2014





# AMERICA CENTER, SAN JOSE, CA – BUILDING 5 & GARAGE EXPANSION APPROXIMATE ANNUAL IRRIGATION WATER USAGE

## HYDROZONE INFORMATION TABLE

REFERENCE ANNUAL ET <sub>0</sub> FOR: (NEAREST CITY; WUCOLS IV)	SAN JOSE	45.3
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ET ADJUSTMENT FACTOR	.45	ET ADJ FACTOR PER MWEL0 & CALGREEN: 0.65= SCHOOL 0.55= RESIDENTIAL 0.45= NON-RESIDENTIAL	SLA ADDITIONAL WATER ALLOWANCE (1.0-ETAF)	0.55
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HYDROZONE	WUCOLS IV PLANT FACTOR (PF)	IRR METHOD DRIP: 0.81 BUBB.: 0.81 SPRAY: 0.75	IRRIGATION EFFICIENCY (IE)	ETAF <sub>Z</sub> (PF/IE)	LANDSCAPE AREA (SQ FT)	ETAF <sub>Z</sub> X AREA	ESTIMATED TOTAL WATER USE (ETWU)
1 (LOW WATER)	.3	D	.81	0.37	34,000.00	12,592.59	353,675.56
2 (MID. WATER)	.6	D	.81	0.74	9,200.00	6,814.81	191,400.89
				TOTAL	43,200.00	19,407.41	545,076.44
SPECIAL LANDSCAPE AREAS (NOT APPLICABLE)							
NOT APPLICABLE				0	0	0.00	0.00
				TOTAL	0	0.00	0.00
	TOTAL LANDSCAPE AREA (LA + SLA)				43,200.00		

ESTIMATED TOTAL IRRIGATION WATER USE IN GALLON PER YEAR

TOTAL ETWU	TOTAL ETWU ALL AREAS (SLA AND REGULAR LA)	<u>TOTAL ETWU</u>	545,076.44
MAWA	(ANNUAL ETO)(0.62 CONVERSION FACTOR) [(ET ADJUSTMENT FACTOR)(TOTAL LANDSCAPE AREA) + ((1-ETAF)*SLA)]	<u>MAWA</u>	545,991.84

AVERAGE ETAF	SUM(ETAF <sub>Z</sub> X AREA) / TOTAL AREA (AVERAGE ETAF AS DESIGNED, EXCLUSIVE OF SLA <sub>S</sub> )	0.45
SITEWIDE ETAF	TOTAL ETAF X AREA / TOTAL LANDSCAPE AREA (INCLUDES SLA <sub>S</sub> )	0.45

**ABBREVIATION:**

- MAWA – MAXIMUM APPLIED WATER ALLOWANCE
- ETWU – ESTIMATED TOTAL WATER USE
- ETO – REFERENCE CROP EVAPOTRANSPIRATION
- SLA – SPECIAL LANDSCAPE AREA