

Addendum 1 to Tree Report

Ventura County Watershed Protection District

J-Street Drain

South Surfside Drive

Port Hueneme, California

Prepared For:

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Prepared by:

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February 20, 2013

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County of Ventura, Public Works Agency, Watershed Protection District, J Street Drain Widening Project

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Tree Report

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Summary

I reassessed all the trees from the original 2010 study and included five additional trees. That study looked at the health impact of widening the J-Street Drain within the county's right of way beside the Surfside III condominiums. Two things prompted the need for this review, first was a change to sheet pile construction methods. The second is to report on root pruning for trees you hope to preserve.

The sheet pile technique will save twenty large trees originally slated for removal. Now all the large trees on Surfside III property (those with canopies over fifty feet high) can be preserved. By moving the line of excavation five feet further away from the trees, you avoid digging in the critical root zone. (See Tree Maps Appendix A) The appraised value of these saved trees is \$51,000.

Sheet pile installation may require minor branch pruning for about a dozen trees. (See List 3). Three trees will need large branches pruned. Pruning should be done in accordance with ANSI A300 Standards for Tree Care. All large trees pruned should survive with little health impact but all should be monitored as shown in List 5.

A report on root pruning is the second purpose of this review. The trenches showed no significant root damage to standing trees. Photos were taken of all root pruning and can be seen in Appendix B where the trees are shown in numerical order. The location of root pruning is shown on the tree maps in Appendix A. See List 2 for trees that were root pruned.

I observed very few roots in the right of way. Only one large pine tree (#39) and one large red gum (#45) lost roots of 4-inch diameter. I recommend all 12 large trees that had roots pruned receive a health and risk assessment about twelve months after the sheet pile is installed.

While carrying out the intended purpose of the review, I noticed **Red gum tree #41 on Surfside III property should be removed because it is dying**. It would not be affected by sheet pile installation. (Please see photo in Appendix B, page 17) An

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even larger red gum (#55) has been removed since my original study in 2010. So Surfside III has lost 20 percent of the red gum trees in three years. Surfside III owners should be informed of the potential risk of tree failure and reminded that not all large trees on their property were included in the county's tree study.

Total Trees Evaluated	
Myoporum	59
Acacia	3
Red Gum Eucalyptus	23
Red Ironbark Eucalyptus	11
Silver Dollar Eucalyptus	3
Sycamore species	2
Monterrey Pine	1
Windmill Palm	14
Dead tree	1
Total: 117	

In addition to the large trees, the study includes sixty-two small trees and woody shrubs with an average height of seventeen feet. These include fifty-nine myoporum and three acacia. Originally thirty-nine small trees were lost to construction, seven needed protection during construction and ten were not impacted by construction.

With sheet pile construction forty-four small trees and woody shrubs will be cut or extensively pruned, fifteen will have little or no impact and three have been removed. However, the health and economic value of the myoporum are now in serious decline due to myoporum thrips (*Klambothrips myopori*). Thrips are small sucking insects that cause leaves to be curled and distorted and can lead to the death of the tree.

Most of the myoporum trees have lost over 50 percent of their foliage since the 2010 study indicating serious health problems. A few have collapsed entirely. Pruning for sheet pile installation will take much of the remaining live foliage because the small trees lean south over the county's right of way as they reach for sunlight.

Myoporum that do survive will be shrunken and distorted. These myoporum had an appraised value of \$52,250 in 2010 but they are worth less than \$8700 today. See the

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original report dated March 1, 2010, page 15. Once dead the trees will have no appraised value based on industry standards.

I recommend removing the under story of small trees and replacing them with disease resistant species.

The original study included twelve palm trees on the Surfside III property. One palm (#6) was projected to be lost and seven others needed protection during construction. Now none of the twelve palms will be affected. All are beyond the proposed line of construction. Two palms on District property will be removed.

Scope of Work for this Report

Task 7 Site Review, Project Objectives, and Coordination

Task 8 Excavations, Root Pruning, and Backfill

Task 9 Revise Tree Report

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Objectives

1 Update Tree Status and Tree Numbers, Construction Impact

The original report identified 112 trees and palms. With a few exceptions the numbers went from south to north. Later the county agreed to include two woody acacia shrubs with the small trees. I added three small myoporum in the county's right of way to make it simpler to identify the trees in reverse numerical order.

The revised total is 117. I revised the tree identification numbers to be in numerical order from south to north. I did that by adding a prefix to seven tree numbers that were out of sequence. For example palm tree 112 was renumbered 32.112 indicating its location between trees 32 and 33. Check the list below and the tree map to locate all 117 trees.

Among the findings:

- Thirty-nine of forty large trees can be saved. The HOA should remove red gum #41
- The appraised value of these thirty-nine saved trees is \$51,000.
- A dozen palm trees on Surfside III property can now be saved, one palm #6 was expected to be lost with the original construction methods and line of work.
- **Red gum tree #41 on Surfside III property should be removed by the HOA because it is dying.**

See List 1 next four pages.

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List 1 Update Tree Status and Tree Numbers, Construction Impact

Item Number	Revised Tree ID #	Original Tree ID #	Name	Original Status	Changed Status	Appraised Value
1	1	1	red ironbark	P1 Protect + Root Prune		\$ 7,255
2	2	2	myoporum	X Surfside - Cut		\$ 1,095
3	3	3	red gum	NA No Impact		\$ 2,965
4	4	4	myoporum	X Surfside - Cut		\$ 335
5	5	5	myoporum	X Surfside - Cut		\$ 1,465
6	6	6	windmill palm	X Surfside - Cut	P - surfside protect	\$ 780
7	7	7	red ironbark	X Surfside - Cut	P - surfside protect	\$ 1,490
8	8	8	red gum	X Surfside - Cut	P - surfside protect	\$ 4,925
9	9	9	myoporum	P1 Protect + Root Prune		\$ 325
10	10	10	red gum	X Surfside - Cut	P - surfside protect	\$ 3,070
11	11	11	red gum	X Surfside - Cut	P - surfside protect	\$ 3,430
12	12	12	myoporum	X Surfside - Cut		\$ 1,130
13	13	13	myoporum	RW County Cut		\$ 285
14	14	14	myoporum	X Surfside - Cut		\$ 1,020
15	15	15	windmill palm	P palm save	NA work outside protected zone	\$ 365
16	16	16	windmill palm	P palm save	NA work outside protected zone	\$ 1,170
17	17	17	windmill palm	P palm save	NA work outside protected zone	\$ 470
18	18	18	myoporum	RW County Cut		\$ 390
19	19	19	windmill palm	P palm save	NA work outside protected zone	\$ 925
20	20	20	myoporum	P1 Protect + Root Prune	NA work outside protected zone	\$ 240
21	21	21	red gum	X Surfside - Cut	P - surfside protect	\$ 4,925
22	22	22	dead tree	NA No Impact		\$ -
23	23	23	red gum	X Surfside - Cut	P - surfside protect	\$ 1,705
24	24	24	red ironbark	X Surfside - Cut	P - surfside protect	\$ 310
25	25	25	windmill palm	P palm save	NA work outside protected zone	\$ 345
26	26	26	windmill palm	P palm save	NA work outside protected zone	\$ 400
27	27	27	windmill palm	P palm save	NA work outside protected zone	\$ 550
28	28	28	myoporum	X Surfside - Cut	NA work outside protected zone	\$ 405
29	29	29	red ironbark	X Surfside - Cut	P - surfside protect	\$ 820
30	30	30	red gum	X Surfside - Cut	P - surfside protect	\$ 2,140

List 1 Update Tree Status and Tree Numbers, Construction Impact

Item Number	Revised Tree ID #	Original Tree ID #	Name	Original Status	Changed Status	Appraised Value
31	31	31	windmill palm	NA No Impact		\$ 1,214
32	32	32	windmill palm	NA No Impact		\$ 734
33	32.112	112	windmill palm	NA No Impact		\$ 796
34	33	33	windmill palm	NA No Impact		\$ 673
35	34	34	red gum	X Surfside - Cut	P - surfside protect	\$ 6,085
36	35	35	red gum	P1 Protect + Root Prune		\$ 3,240
37	36	36	silver \$ gum	X Surfside - Cut	P - surfside protect	\$ 795
38	37	37	silver \$ gum	NA No Impact		\$ 470
39	37.11	110	myoporum	RW County Cut		\$ 135
40	38	38	silver \$ gum	P1 Protect + Root Prune	NA work outside protected zone	\$ 340
41	39	39	Monterey Pine	X Surfside - Cut	P - surfside protect	\$ 2,820
42	40	40	myoporum	P1 Protect + Root Prune	X Surfside remove for sheet pile	\$ 695
43	41	41	red gum	X Surfside - Cut	P - surfside protect (dying)	\$ 1,700
44	42	42	myoporum	P1 Protect + Root Prune		\$ 190
45	43	43	myoporum	X Surfside - Cut		\$ 935
46	44	44	myoporum	X Surfside - Cut		\$ 1,900
47	45	45	red gum	X Surfside - Cut	P - surfside protect	\$ 2,025
48	46	46	myoporum	X Surfside - Cut		\$ 2,520
49	47	47	red gum	P1 Protect + Root Prune	NA work outside protected zone	\$ 3,880
50	48	48	myoporum	X Surfside - Cut		\$ 1,435
51	49	49	myoporum	X Surfside - Cut		\$ 190
52	50	50	myoporum	X Surfside - Cut		\$ 1,945
53	51	51	myoporum	X Surfside - Cut		\$ 1,080
54	52	52	myoporum	X Surfside - Cut		\$ 775
55	53	53	myoporum	X Surfside - Cut		\$ 690
56	54	54	myoporum	X Surfside - Cut		\$ 1,845
57	55	55	red gum	P1 Protect + Root Prune	Gone	\$ 11,385
58	56	56	myoporum	X Surfside - Cut	Gone	\$ 1,960
59	57	57	myoporum	X Surfside - Cut		\$ 687
60	57.113		acacia	shrub status	X Surfside - Cut	\$ 240

List 1 Update Tree Status and Tree Numbers, Construction Impact

Item Number	Revised Tree ID #	Original Tree ID #	Name	Original Status	Changed Status	Appraised Value
61	58	58	myoporum	RW County Cut		\$ 125
62	59	59	myoporum	NA No Impact		\$ 230
63	60	60	London plane	NA No Impact		\$ 2,605
64	61	61	myoporum	NA No Impact		\$ 955
65	62	62	Cali sycamore	NA No Impact		\$ 2,069
66	63	63	myoporum	NA No Impact		\$ 345
67	64	64	myoporum	X Surfside - Cut	Gone	\$ 1,085
68	65	65	red gum	X Surfside - Cut	P - surfside protect	\$ 6,185
69	66	66	myoporum	X Surfside - Cut		\$ 435
70	67	67	myoporum	X Surfside - Cut		\$ 2,270
71	68	68	red ironbark	NA No Impact		\$ 775
72	69	69	myoporum	NA No Impact	Gone	\$ 120
73	70	70	myoporum	X Surfside - Cut		\$ 865
74	71	71	red gum	X Surfside - Cut	P - surfside protect	\$ 8,455
75	72	72	myoporum	NA No Impact		\$ 115
76	73	73	red ironbark	P1 Protect + Root Prune		\$ 1,690
77	74	74	red gum	X Surfside - Cut	P - surfside protect	\$ 255
78	75	75	red gum	RW County Cut		\$ 105
79	76	76	red ironbark	P1 Protect + Root Prune		\$ 2,050
80	77	77	myoporum	X Surfside - Cut		\$ 4,275
81	78	78	myoporum	X Surfside - Cut	NA work outside protected zone	\$ 1,695
82	79	79	myoporum	X Surfside - Cut		\$ 3,900
83	80	80	myoporum	X Surfside - Cut		\$ 1,795
84	81	81	myoporum	P1 Protect + Root Prune		\$ 300
85	82	82	myoporum	X Surfside - Cut		\$ 440
86	83	83	red gum	X Surfside - Cut	Did not exist same tree as 86	\$ 7,230
87	84	84	myoporum	P1 Protect + Root Prune	X Surfside - Cut	\$ 515
88	85	85	myoporum	X Surfside - Cut		\$ 2,460
89	86	86	red gum	P1 Protect + Root Prune		\$ 7,440
90	86.114		Acacia	shrub status	X Surfside - Cut	\$ 240

List 1 Update Tree Status and Tree Numbers, Construction Impact

Item Number	Revised Tree ID #	Original Tree ID #	Name	Original Status	Changed Status	Appraised Value
91	87	87	myoporum	NA No Impact	X Surfside - Cut	\$ 2,410
92	88	88	red gum	X Surfside - Cut	P - surfside protect	\$ 4,270
93	89	89	myoporum	X Surfside - Cut		\$ 1,375
94	90	90	myoporum	NA No Impact		\$ 145
95	91	91	red ironbark	P1 Protect + Root Prune		\$ 3,070
96	92	92	myoporum	P1 Protect + Root Prune	NA work outside protected zone	\$ 2,460
97	93	93	red ironbark	P1 Protect + Root Prune		\$ 2,695
98	94	94	myoporum	X Surfside - Cut		\$ 1,605
99	95	95	myoporum	X Surfside - Cut		\$ 1,670
100	96	96	red gum	P1 Protect + Root Prune		\$ 8,250
101	97	97	myoporum	X Surfside - Cut		\$ 555
102	98	98	red ironbark	NA No Impact		\$ 465
103	99	99	red gum	P1 Protect + Root Prune	NA work outside protected zone	\$ 5,140
104	100	100	myoporum	NA No Impact		\$ 120
105	100.111	111	myoporum	RW County Cut		\$ 110
106	101	101	myoporum	NA No Impact		\$ 425
107	101.115		myoporum	not counted	RW County Cut	\$ 240
108	102	102	red ironbark	X Surfside - Cut	P - surfside protect	\$ 1,275
109	102.116		myoporum	not counted	RW County Cut	\$ 240
110	103	103	myoporum	X Surfside - Cut		\$ 1,695
111	103.117		myoporum	not counted	RW County Cut	\$ 240
112	104	104	myoporum	NA No Impact		\$ 885
113	105	105	red gum	P1 Protect + Root Prune		\$ 5,700
114	106	106	windmill palm	RW County Cut		\$ 185
115	107	107	Acacia	RW County Cut		\$ 75
116	108	108	myoporum	RW County Cut		\$ 440
117	109	109	windmill palm	RW County Cut		\$ 295

2 Trees Root Pruned and forecast

To root prune, crews hand dig and expose tree roots over ½" diameter and then cleanly cut the roots. (See Appendix B page 3 for an example) Pruning prevents the roots from being crushed and torn during excavation and helps forecast the health impact on the trees.

Digging allowed us to observe the roots on the south side of the trees. We found very few roots. This is probably because the right of way is not irrigated but the Surfside III planting areas are irrigated. When growing roots, trees reinforce success so most of the root growth would be in the irrigated soils. Only a few roots grew south.

The myoporum are planted between the right of way and the large trees. Almost all the roots we found were myoporum roots, which have a distinct knarled appearance similar to their trunks.

In root pruning the area between #70 and #76 we discovered saturated soils. Water is seeping down slope from the Surfside property. The soils have been so saturated for so long that you can smell the anaerobic decay. As we dug, water puddled in the trench as you can see in the photos on page 29 of Appendix B. These conditions will kill the trees if not corrected. It looks like an irrigation main line leaking.

The saturated soils and the loss of large trees may be connected. The red gum and red ironbark eucalyptus trees are susceptible to root rot. It could be flooding, over irrigation, heavy soils, a water leak or something else but cause of saturated soils should be investigated and resolved.

See List 2 next page.

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List 2 Large Trees Root Pruned and Forecast

Item Number	Revised Tree ID #	Name	Large Trees Root Impact	None	Feeder Roots Minor Impact Monitor 1 year	Up to 2" Roots Minor Impact Monitor 2 year	Up to 4" Roots Some impact Monitor 5 years
1	1	red ironbark	no impact	X			
2	3	red gum	no impact	X			
3	7	red ironbark	P - surfside protect		X		
4	8	red gum	P - surfside protect	X			
5	10	red gum	P - surfside protect	X			
6	11	red gum	P - surfside protect	X			
7	21	red gum	P - surfside protect		X		
8	23	red gum	P - surfside protect		X		
9	24	red ironbark	P - surfside protect	X			
10	29	red ironbark	P - surfside protect	X			
11	30	red gum	P - surfside protect	X			
12	34	red gum	P - surfside protect	X			
13	35	red gum	no impact	X			
14	36	silver \$ gum	P - surfside protect	X			
15	37	silver \$ gum	no impact	X			
16	38	silver \$ gum	NA work outside protected zone		X		
17	39	Monterey Pine	P - surfside protect				X
18	41	red gum	P - surfside (dying)	X			
19	45	red gum	P - surfside protect				X
20	47	red gum	no impact		X		
21	55	red gum	Gone	X			
22	60	London plane	no impact	X			
23	62	Cali sycamore	no impact	X			
24	65	red gum	P - surfside protect			X	
25	68	red ironbark	no impact	X			
26	71	red gum	P - surfside protect		X		
27	73	red ironbark	no impact	X			
28	74	red gum	P - surfside protect	X			
29	75	red gum	in right of way				

List 2 Large Trees Root Pruned and Forecast

Item Number	Revised Tree ID #	Name	Large Trees Root Impact	None	Feeder Roots Minor Impact Monitor 1 year	Up to 2" Roots Minor Impact Monitor 2 year	Up to 4" Roots Some impact Monitor 5 years
30	76	red ironbark	no impact	X			
31	86	red gum	no impact	X			
32	88	red gum	P - surfside protect			X	
33	91	red ironbark	no impact		X		
34	93	red ironbark		X			
35	96	red gum		X			
36	98	red ironbark	no impact	X			
37	99	red gum	no impact	X			
38	102	red ironbark	P - surfside protect		X		
39	105	red gum		X			

3 Trees with Health Change

Red gum tree #41 on Surfside III property should be removed because it is dying. (Please see photo in Appendix B, page 17)

An even larger red gum (#55) has been removed since my original study in 2010. So Surfside III has lost 20 percent of the red gum trees in three years. Surfside III owners should be informed of the potential risk of tree failure and reminded that not all large trees on their property were included in the county's tree study.

Tree #91 red ironbark lost a branch.

The myoporum are now all in serious decline due to myoporum thrips (*Klambothrips myopori*) a small sucking insects that cause leaves to be curled and distorted and can lead to the death of the tree.

Most of the myoporum trees have lost over 50 percent of their foliage since the 2010 study indicating serious health problems. A few have collapsed entirely. Pruning for sheet pile installation will take most of the remaining live foliage because the small trees lean south over the county's right of way as they reach for sunlight.

Myoporum that do survive will be shrunken and distorted. These myoporum had an appraised value of \$52,250 in 2010 but they are worth about \$8700 or less today. See the original report page 15. Once dead the trees will have no appraised value based on industry standards.

I recommend removing the under story of small trees and replacing them with disease resistant climate adapted species.

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4 Large Trees that will/may need branches pruned for construction

Three trees will need large branches pruned. About a dozen trees may require minor branch pruning.

All the small myoporum and acacia trees will need to be pruned because their canopies grow over the County's right-of-way. Installing the sheet piles will require removing a significant amount of foliage from the small trees.

Pruning should be done in accordance with ANSI A300 Standards for Tree Care.

All large trees pruned should survive with little health impact but all should be monitored for changes in health as shown in List 5.

See List 4 next page.

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List 4 Large Trees That May Need Branch Pruning

Item number	Revised Tree ID #	Name	Status	possible pruning	less than 25 percent	branches over 4"
1	7	red ironbark	P - surfside protect	1		
2	8	red gum	P - surfside protect			1
3	10	red gum	P - surfside protect	1		
4	11	red gum	P - surfside protect	1		
5	29	red ironbark	P - surfside protect	1		
6	30	red gum	P - surfside protect			1
7	34	red gum	P - surfside protect	1		
8	35	red gum	P - surfside protect	1		
9	65	red gum	P - surfside protect	1		
10	71	red gum	P - surfside protect	1		
11	91	red ironbark	P - surfside protect	1		
12	105	red gum	P - surfside protect			1
13 Trees may need branches				9		3

5 Identify Trees Recommended for Post Construction Monitoring

- I recommend conducting an annual ASTM standard Basic Risk Assessment for trees that had:
 - Roots pruned
 - Branches pruned
 - Sheet piles installed within or near the protected zone
 - Very large trees that had work done near the protected zone
- 39 trees should receive post construction monitoring for changes in risk
 - 21 trees will probably need only one year assessment
 - 18 trees will probably need five years of monitoring
 - Future monitoring recommendations are included with a Basic Risk Assessment

See List 5 next page

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List 5 Trees Recommended for Post Construction Monitoring

Item Number	Revised Tree ID #	Name	Status	1 year	5 years	Risk Note
1	1	red ironbark	P - surfside protect	X		size + work near protected zone
2	3	red gum	NA work outside protected zone	X		
3	7	red ironbark	P - surfside protect	X		size + root pruned + possible branch pruning
4	8	red gum	P - surfside protect		X	size + root pruned + 7" branch pruning
5	10	red gum	P - surfside protect		X	size + possible branch pruning
6	11	red gum	P - surfside protect		X	size + root pruned + possible branch pruning
7	21	red gum	P - surfside protect		X	size + root pruned
8	23	red gum	P - surfside protect		X	size + root pruned
9	24	red ironbark	P - surfside protect	X		root pruned, poor health & structure
10	29	red ironbark	P - surfside protect	X		size + possible branch pruning
11	30	red gum	P - surfside protect		X	size + 14" branch pruning
12	34	red gum	P - surfside protect		X	size + root pruned + possible branch pruning
13	35	red gum	P - surfside protect		X	size + root pruned + possible branch pruning
14	36	silver \$ gum	P - surfside protect	X		health decline + work near protected zone
15	37	silver \$ gum	NA work outside protected zone	X		
16	38	silver \$ gum	NA work outside protected zone	X		
17	39	Monterey Pine	P - surfside protect		X	size + root pruned + possible branch pruning
18	41	red gum		X		
19	45	red gum	P - surfside protect		X	size + pruned roots up to 4" dia.
20	47	red gum	NA work outside protected zone	X		size
21	60	London plane	NA work outside protected zone	X		
22	62	Cali sycamore	NA work outside protected zone	X		
23	65	red gum	P - surfside protect		X	size + root pruned + possible branch pruning
24	68	red ironbark	NA work outside protected zone	X		
25	71	red gum	P - surfside protect		X	size + root pruned + possible branch pruning
26	73	red ironbark	P - surfside protect		X	size + root pruned
27	74	red gum	P - surfside protect	X		
28	75	red gum	P - surfside protect	X		
29	76	red ironbark	P - surfside protect		X	size + root pruned
30	83	red gum	P - surfside protect	X		
31	86	red gum	P - surfside protect	X		size

List 5 Trees Recommended for Post Construction Monitoring

Item Number	Revised Tree ID #	Name	Status	1 year	5 years	Risk Note
32	88	red gum	P - surfside protect		X	size + root pruned
33	91	red ironbark	P - surfside protect		X	LOST BRANCH
34	93	red ironbark	P - surfside protect	X		size + health + work near protected zone
35	96	red gum	P - surfside protect		X	size
36	98	red ironbark	NA work outside protected zone	X		
37	99	red gum	NA work outside protected zone	X		size
38	102	red ironbark	NA work outside protected zone	X		
39	105	red gum	P - surfside protect		X	size + branch pruning

Number of that need 1 year monitoring 21

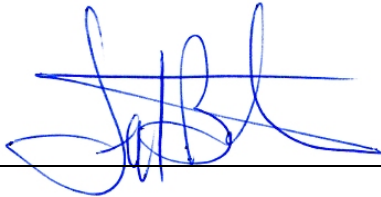
Number of Trees that need 5 year monitoring 18

Certification

PREMISES: J-Street Drain right-of-way, South Surfside Drive, Port Hueneme,
California

I, John Burke, CERTIFY to the best of my knowledge and belief:

1. That the statements of fact contained in this plant appraisal are true and correct.
2. That the appraisal analysis, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and that they are my personal, unbiased professional analysis, opinions and conclusions.
3. That I have no present or prospective interest in the plants that are the subject of this appraisal, and that I have no personal interest or bias with respect to the parties involved.
4. That my compensation is not contingent upon predetermined value or direction in value that favors the cause of the client, the amount of the value estimate, the attainment of a stipulated result, or the occurrence of a subsequent event.
5. That my analysis, opinions, and conclusions were developed, and this appraisal has been prepared, in conformity with the Guide for Plant Appraisal (9th edition, 2000) authored by the Council of Tree & Landscape Appraisers and the *Species Classification and Group Assignment Supplement* published in 2004 by the Western Chapter of the International Society of Arboriculture.
6. That the methods found in this appraisal are based on a request to determine the value of the trees considering reasonable factors of plant appraisal.
7. That my appraisal is based on the information known to me at this time.



Date: 2-20-13

John Burke
Landscape Architect 5251
ISA Certified Arborist WE-8327A

County of Ventura, Public Works Agency, Watershed Protection District, J Street Drain Widening Project

LAJohnny Consulting Arborist

Jordan, Gilbert & Bain Landscape Architects

Tree Report

John Burke, WE-8327A

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