City of Pacifica - Wilcox Single-Family Residence Project Draft Initial Study/Mitigated Negative Declaration	
	Appendix C: Arborist Report





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Mayne Tree Expert Company, Inc.

ESTABLISHED 1931 GRADUATE FORESTER

CERTIFIED ARBORISTS

PEST CONTROL

STATE CONTRACTOR"S LICENSE NO. 276793 ADVISORS AND OPERATORS

RICHARD L. HUNTINGTON PRESIDENT

KEVIN R. KIELTY OPERATIONS MANAGER

January 21, 2008

535 BRAGATO ROAD, STE. A SAN CARLOS, CA 94070-6228

TELEPHONE: (650) 593-4400 FACSIMILE: (650) 593-4443 EMAIL: info@maynetree.com

Mr. Ernest Renner Renner Surveying & Engineering, Inc. 3554 Round Barn Blvd. Suite 312 Santa Rosa, CA 95403

Dear Mr. Renner,

RE: GYPSY HILL ROAD, PACIFICA

I have inspected 76 trees in close proximity to the Gypsy Hill Road widening project. There are 16 heritage trees, none of which require removal for the project. (See tree survey.)

The trees to remain will not be significantly impacted, except for some clearance pruning, especially on the double row of stone pines, trees #2 - #22. There are several Monterey pines within and outside the scope of this report that have pine pitch canker disease. In my experience, treating for this disease has not been successful. These trees should be removed.

To protect the retained trees, install fencing along the edge of the road widening project. This fencing must be installed prior to demolition and maintained throughout the project. Low tree branches may limit fence height, so 4 feet would be acceptable.

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Please call with any questions.

Sincerely,

Richard L. Huntington Certified Arborist WE #0119A Certified Forester #1925

RLH:pmd





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ESTABLISHED 1931 GRADUATE FORESTER

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STATE CONTRACTOR"S LICENSE NO. 276793 PEST CONTROL

ADVISORS AND OPERATORS

RICHARD L. HUNTINGTON PRESIDENT

KEVIN R. KIELTY OPERATIONS MANAGER

December 3, 2007

535 BRAGATO ROAD, STE. A SAN CARLOS, CA 94070-6228

TELEPHONE: (650) 593-4400 FACSIMILE: (650) 593-4443 EMAIL: info@maynetree.com

Mr. Ernest Renner Renner Surveying & Engineering, Inc. 3554 Round Barn Blvd. Suite 312 Santa Rosa, CA 95403

Dear Mr. Renner,

RE: GYPSY HILL ROAD, PACIFICA

The above road is to be widened and this will impact several trees or require their removal. I was requested to inspect all trees along the road for general health and structure; determine heritage tree status; determine potential impacts; and recommend mitigations as needed.

There are 76 trees in this report with only 16 trees considered as heritage trees. In the City of Pacifica Municipal Code, heritage trees are defined as any trees within the City of Pacifica, exclusive of eucalyptus, which have a trunk with a circumference of 50 inches (approximately 16 inches in diameter) or more, measured at 24 inches above the natural grade. Each tree was tagged with an embossed aluminum strip. (See site plan and tree survey.)

Each tree was measured from the edge of the existing paving, inspected, and given a condition rating as it would compare to an 'ideal' tree. Comments help explain the condition rating; also, mitigation for the proposed road, e.g. pruning, removal, etc.

To conclude, only 4 non-heritage trees are proposed for removal, trees #30, #31, #32, and #33. Treatment of pine pitch canker disease is generally not successful. Since several Monterey pines, trees #28, #29, #34, #36, #39, #40, and #41, appear to have pine pitch canker disease, it is prudent to remove them.

The trees to remain are all relatively young and will survive the proposed road work. Clearance pruning may cause disfiguration, so prune other trees to match, especially the stone pines. Deep root fertilization is a general rule to mitigate impacts. I think an application now and to be repeated after the project is completed will be adequate. Have the arborist coordinate inspections with the tree company and contractors so further mitigations can be recommended.

The row of Monterey cypress between Sharp Park Road and Gypsy Hill Road will not be significantly impacted by the proposed road widening. To protect the trees, install fencing along the scope of work. The area within the fence is off limits to all activity and materials.

I think this report is accurate and based on sound arboricultural principles and practices.

Sincerely,

Richard L. Huntington Certified Arborist WE #0119A Certified Forester #1925

RLH:pmd





Tree Survey

Tree #	Species	Diameter @ 24"	Condition (percent)	Distance from paving (feet)	Heritage? Y/N	Comments
1	Monterey Pine	12.5	85	10	N	Growing into wires.
2	Stone Pine	18.9	80	15	Υ	No impact.
3	Stone Pine	16.8	70	13	Υ	Leans; forks @ 4'. Weak structure.
4	Canary Pine	9.5	90	13	N	No impact.
5	Stone Pine	22.0 (est.)	65	12.5	Υ	Forks @ 24'.
6	Canary Pine	7.9	85	13	N	No impact.
7	Stone Pine	18.0 @ 1'	65	18	Υ	Forks @ 24".
8	Stone Pine	15.2 @ 1'	60	17	N	Forks @ 24".
9	Stone Pine	14.0 @ 1'	55	9	N	Forks @ 24".
10	Stone Pine	9.5	60	9	Ŋ	No impact.
11	Stone Pine	18.4	55	9	Υ	Forks @ 24". Many tops.
12	Stone Pine	17.2	55	12	Υ	Forks @ 24". Many tops.
13	Stone Pine	15.9	55	12	N	Forks @ 24".
14	Stone Pine	20 @ 6"	55	12	Υ	Forks @ 24".
15	Stone Pine	28 @ 6"	55	13	Y	Forks @ 24".
16	Stone Pine	16.0	55	12	Υ	Included bark.
17	Stone Pine	10.4	55	10	N	Forks @ 1'.
18	Stone Pine	15.9	55	12	N	Forks @ 1'.
19	Monterey Pine	11.3	75	10.5	N	No impact.
20	Stone Pine	13.1 @ 1'	60	11	N	No impact.
21	Stone Pine	10.8	65	11	N	No impact.
22	Stone Pine	8.0	55	12	N	North lean.
23	Eucalyptus	27.1	65	18	N	Forks @ 5'.

Tree #	e Species	Diameter @ 24"	Condition (percent)	Distance from paving (feet)	Heritage? Y/N	Comments
24	Stone Pine	8.0	55	13	N	Forks @ 2' with included bark; westerly lean.
25	Stone Pine	10.3	65	15	N	Forks @ 1'.
26	Stone Pine	13.3	70	14	N	Low heavy limbs; double top.
27	Stone Pine	16.0 (est.)	70	17	Υ	Low heavy limbs; double top.
28	Monterey Pine	8.0	70	16	N	Trunk oozing; possible pine pitch canker.
29	Monterey Pine	10.2	40	12	N	Top dead; has pine pitch canker.
30	Eucalyptus	20.1	n/a	n/a	N	To be removed.
31	Eucalyptus	36.0	n/a	n/a	N	To be removed. Be careful of understory trees.
32	Monterey Pine	7.0	65	10	N	Has western gall rust. No impact.
33	Monterey Pine	12.5	60	6	N	Trunk oozing; pine pitch canker.
34	Monterey Pine	17.6	60	8	Υ	Trunk oozing; pine pitch canker.
35	Monterey Pine	18.9	70	12	Υ	5' above road.
36	Monterey Pine	12.7	65	16	N	8' above road; has pine pitch canker.
37	Monterey Cypress	20 (est.)	65	14	Υ	5' above road.
38	Monterey Cypress	14 (est.)	65	15	N	5' above road.
39	Monterey Cypress	20.0	50	20	Υ	6' below road; pine pitch canker.
40	Monterey Pine	16.5	70	25	Υ	Pine pitch canker.
41	Monterey Pine	13.4	70	20	N	Pine pitch canker.
42	Monterey Pine	21.2	70	19	Υ	No impact.

Tree #	Species	Diameter @ 24"	Condition (percent)	Distance from paving (feet)	Heritage? Y/N	Comments
43	Monterey Cypress	10.0	65	30	N	Most growth on north side.
44	Monterey Cypress	13.5	70	9	N	Next to drop inlet.
45	Monterey Cypress	8.0	40	15	N	Top deformity. Next to drop inlet.
46	Monterey Cypress	10.4	30	10	N	No top; cypress bark canker.
47	Monterey Cypress	15.6	55	12	N	Forks @ 2'.
48	Monterey Cypress	15.0	55	15	N	Double top.
49	Monterey Cypress	12.0	40	15	N	Leans.
50	Monterey Cypress	15.0	60	12	N	Top of bank; forks @ 2'.
51	Monterey Cypress	14.5	70	12	N	Top of bank.
52	Monterey Cypress	14.2	70	12	N	Top of bank.
53	Monterey Cypress	13.0	30	12	N	Top of bank.
54	Monterey Cypress	12.5	75	10	N	Top of bank.
55	Monterey Cypress	7.8	75	10	N	Top of bank.
56	Monterey Cypress	9.2	75	5	N	Top of bank.
57	Monterey Cypress	11.4	70	5	N	5' north of water hydrant.
58	Monterey Cypress	10.5	60	5	N	No top.
59	Monterey Cypress	12.1	65	5	N	Mild deformity.
60	Monterey Cypress	10.6	65	5	N	Mild deformity.
61	Monterey Cypress	10.6	65	8	N	Mild deformity.

Tree #	Species	Diameter @ 24"	Condition (percent)	Distance from paving (feet)	Heritage? Y/N	Comments
62	Monterey Cypress	5.1	60	10	N	Mild deformity.
63	Monterey Cypress	8.5	50	10	N	Cypress bark canker.
64	Monterey Cypress	3.9	50	10	N	Stunted.
65	Monterey Cypress	5.1	55	10	N	Stunted.
66	Monterey Cypress	8.0	60	10	N	Stunted.
67	Monterey Cypress	4.0	10	10	N	Severely stunted.
68	Monterey Cypress	8.0	60	12	N	Severely stunted.
69	Monterey Cypress	13.0 (est.)	65	6	N	Forks @ 1' – 6'.
70	Monterey Cypress	6.4	50	10	N	No top.
71	Monterey Cypress	8.9	55	10	N	None.
72	Monterey Cypress	7.0	55	10	N	None.
73	Monterey Cypress	5.2	55	10	N	None.
74	Monterey Cypress	6.5	50	8	N	Stunted.
75	Monterey Cypress	8.7	65	6	N	None.
76	Monterey Cypress	9.5	40	8	N .	Cypress bark canker; stunted next to street sign.