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Bahia Heights
Novato, CA

ARBORIST'S REPORT
January 25, 2018

I have evaluated the existing trees 3" diameter and larger (as per Novato Tree Ordinance) on this site which may be impacted by proposed construction for a new subdivision and water line extension. This project is located on a hillside site previously graded years ago. There is a mix of native and a few ornamental trees on the site, mainly blue oaks. Trees and woody shrubs 3" and larger (as per Novato Tree Ordinance) potentially impacted by installation of the water line or construction have been identified, measured, numbered and tagged on site, rated for condition and structural soundness and listed on the enclosed spreadsheet - Tree Inventory & Evaluation. They are numbered for reference in the inventory and site plan. Comments in the inventory (and symbols on the plans) will show whether they are to be preserved or removed, with relevant details about their health or structure. Their locations are shown on the civil engineer's Water & Tree Removal Plan. Site specific Tree Protection Measures will be developed and included with construction documents for observance during waterline installation and site development.

I will continue to work closely with the project team to assess potential construction impact on any existing trees, making recommendations regarding which trees are the highest quality for preservation. Construction alternatives will be proposed, where appropriate, to minimize impact on rootzones and tree crowns.

Please call if there are questions or more information is needed at this time.

Respectfully submitted,

Becky Duckles

Becky Duckles
International Society of Arboriculture, Western Chapter Certified Arborist #WE-0796A

BAHIA HEIGHTS - Novato CA

TREE #	SPECIES	TRUNK DIAMETER (In.) @ 24" above grade	GENERAL HEALTH/CONDITION	STRUCTURAL INTEGRITY	CONSTRUCTION IMPACT/RECOMMENDATIONS
1	Coast Live Oak/ <i>Quercus agrifolia</i>	26"	Good/Excellent	Good	To be preserved; no impact from construction
2	Blue Oak/ <i>Quercus douglasii</i>	8"	Good	Good	To be preserved; no impact from construction
3	Blue Oak/ <i>Quercus douglasii</i>	8,10"	Good	Good	To be preserved; no impact from construction
4	Blue Oak/ <i>Quercus douglasii</i>	9"	Good	Good	To be preserved; no impact from construction
5	Blue Oak/ <i>Quercus douglasii</i>	12,14"	Good/Excellent	Good	To be preserved; no impact from construction
6	Blue Oak/ <i>Quercus douglasii</i>	7"	Good	Good	To be preserved; no impact from construction
7	Blue Oak/ <i>Quercus douglasii</i>	11"	Good	Good	To be preserved; no impact from construction
8	Blue Oak/ <i>Quercus douglasii</i>	9"	Good	Good	To be preserved; no impact from construction
9	Blue Oak/ <i>Quercus douglasii</i>	7"	Fair/Good	Fair/Good	To be preserved; no impact from construction
10	Blue Oak/ <i>Quercus douglasii</i>	10"	Good	Good	To be preserved; no impact from construction
11	Blue Oak/ <i>Quercus douglasii</i>	8"	Good	Fair/Good	To be preserved; no impact from construction
12	Blue Oak/ <i>Quercus douglasii</i>	4"	Fair	Fair	To be preserved; no impact from construction
13	Blue Oak/ <i>Quercus douglasii</i>	8"	Fair/Good	Fair/Good	To be preserved; no impact from construction
14	Blue Oak/ <i>Quercus douglasii</i>	8"	Good	Fair	To be preserved; no impact from construction
15	Blue Oak/ <i>Quercus douglasii</i>	6"	Fair	Fair	To be preserved; no impact from construction
16	Blue Oak/ <i>Quercus douglasii</i>	12"	Good/Excellent	Good/Excellent	To be preserved; no impact from construction
17	Blue Oak/ <i>Quercus douglasii</i>	6"	Fair/Good	Fair/Good	To be preserved; no impact from construction
18	Blue Oak/ <i>Quercus douglasii</i>	7"	Good	Good	To be preserved; no impact from construction
19	Blue Oak/ <i>Quercus douglasii</i>	12"	Good	Good	To be preserved; no impact from construction
20	Blue Oak/ <i>Quercus douglasii</i>	7"	Good	Fair/Good	To be preserved; no impact from construction
21	Blue Oak/ <i>Quercus douglasii</i>	8"	Fair/Good	Fair	To be preserved; no impact from construction
22	Blue Oak/ <i>Quercus douglasii</i>	6"	Fair/Good	Fair/Good	To be preserved; no impact from construction
23	Blue Oak/ <i>Quercus douglasii</i>	8"	Good	Good	To be preserved; no impact from construction
24	Blue Oak/ <i>Quercus douglasii</i>	7"	Good	Good	To be preserved; no impact from construction

BAHIA HEIGHTS - Novato CA

TREE #	SPECIES	TRUNK DIAMETER (In.) @ 24" above grade	GENERAL HEALTH/CONDITION	STRUCTURAL INTEGRITY	CONSTRUCTION IMPACT/RECOMMENDATIONS
25	Blue Oak/ <i>Quercus douglasii</i>	6"	Fair	Fair	To be preserved; no impact from construction
26	Blue Oak/ <i>Quercus douglasii</i>	12"	Good	Good	To be preserved; no impact from construction
27	Blue Oak/ <i>Quercus douglasii</i>	5"	Fair	Fair	To be preserved; no impact from construction
28	Blue Oak/ <i>Quercus douglasii</i>	10"	Fair/Good	Fair	To be preserved; no impact from construction
29	Blue Oak/ <i>Quercus douglasii</i>	9,11"	Good/Excellent	Good	To be preserved; no impact from construction
30	Blue Oak/ <i>Quercus douglasii</i>	10"	Good	Good	To be preserved; no impact from construction
31	Blue Oak/ <i>Quercus douglasii</i>	7"	Fair/Good	Fair	To be preserved; no impact from construction
32	Blue Oak/ <i>Quercus douglasii</i>	8"	Good	Good	To be preserved; no impact from construction
33	Blue Oak/ <i>Quercus douglasii</i>	10"	Good	Good	To be preserved; no impact from construction
34	Blue Oak/ <i>Quercus douglasii</i>	14"	Good	Good	To be preserved; no impact from construction
35	Blue Oak/ <i>Quercus douglasii</i>	6"	Fair	Fair	To be preserved; no impact from construction
36	Blue Oak/ <i>Quercus douglasii</i>	14"	Poor	Poor	To be preserved; no impact from construction
37	Blue Oak/ <i>Quercus douglasii</i>	6,9,11"	Fair/Good	Fair/Good	To be preserved; no impact from construction; some decay at base
38	Blue Oak/ <i>Quercus douglasii</i>	11"	Good	Good	To be preserved; no impact from construction
39	Manzanita/ <i>Arctostaphylos manzanita</i>	3" (7 multi-stem)	Good	Good	To be removed for grading
40	Blue Oak/ <i>Quercus douglasii</i>	11"	Good	Good	To be removed for grading
41	Blue Oak/ <i>Quercus douglasii</i>	7"	Good	Fair/Good	To be removed for grading
42	Blue Oak/ <i>Quercus douglasii</i>	15"	Good/Excellent	Good/Excellent	To be preserved; no impact from construction
43	Blue Oak/ <i>Quercus douglasii</i>	10"	Fair	Good	To be preserved; no impact from construction
44	Manzanita/ <i>Arctostaphylos manzanita</i>	3,5"	Fair/Good	Fair/Good	To be preserved. Extensive branch dieback
45	Manzanita/ <i>Arctostaphylos manzanita</i>	2,3,4,4"	Fair	Fair	To be removed for grading. In group with 2 dead madrones
46	Pine/ <i>Pinus</i> sp	5"	Good	Good	To be preserved; no impact from construction
47	Blue Oak/ <i>Quercus douglasii</i>	13"	Dying tree	Poor/Dying	To be preserved; no impact from construction (may not be alive at time of construction)
48	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; no impact from construction

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49	Pine/ <i>Pinus</i> sp	8"	Good	Good	To be removed for grading
50	Blue Oak/ <i>Quercus douglasii</i>	16"	Good	Excellent	To be removed for grading
51	Manzanita/ <i>Arctostaphylos manzanita</i>	6,7"	Good/Excellent	Good/Excellent	To be removed for grading
52	Blue Oak/ <i>Quercus douglasii</i>	18"	Good/Excellent	Good/Excellent	To be removed for grading
53	Coast Live Oak/ <i>Quercus agrifolia</i>	12,13,14,12,18,8"	Excellent	Good	To be removed for grading
54	Madrone/ <i>Arbutus menziesii</i>	4,6,8"	Excellent	Excellent	To be removed for grading
55	Coast Live Oak/ <i>Quercus agrifolia</i>	3,3,6"	Good/Excellent	Good	To be removed for grading
56	Eucalyptus/ <i>Eucalyptus sideroxylon rosea</i>	11,11"	Fair/Good	Fair/Good	To be removed for grading
57	Eucalyptus/ <i>Eucalyptus sideroxylon rosea</i>	13"	Fair	Fair	To be removed for grading
58	Pine/ <i>Pinus</i> sp	22"	Good	Good	Dripline 20' to south; on adjacent property. To be protected
59	Pine/ <i>Pinus</i> sp	12"	Good	Good	To be preserved; no impact from construction
60	Cypress/ <i>Cupressus</i> sp.	11,13	Good	Fair	To be preserved; no impact from construction
61	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good/Excellent	Good/Excellent	To be preserved; no impact from construction
62	Coast Live Oak/ <i>Quercus agrifolia</i>	26"	Good/Excellent	Good/Excellent	To be preserved; no impact from construction
63	Coast Live Oak/ <i>Quercus agrifolia</i>	11,13,18"	Good/Excellent	Good/Excellent	To be preserved; no impact from construction
64	Blue Oak/ <i>Quercus douglasii</i>	15"	Good	Good	To be preserved; no impact from construction
65	Coast Live Oak/ <i>Quercus agrifolia</i>	15,15"	Excellent	Good/Excellent	To be preserved; no impact from construction
66	California Bay/ <i>Umbellularia californica</i>	11,12"	Good	Good	To be preserved; no impact from construction