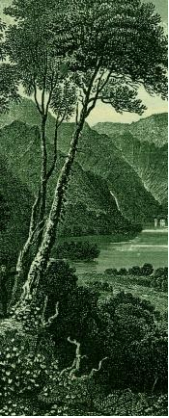


DAVID R. GRESS
CONSULTING ARBORIST



ARBORIST REPORT

607 SAND POINT ROAD
CARPINTERIA, CALIFORNIA 93013

APN 004-098-006

November 1, 2018

PREPARED FOR: Timothy and Allison Coleman
16 Highgate Road
Riverside, CT 06878

ARBORIST REPORT

607 SAND POINT ROAD, CARPINTERIA, CA 93013

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INTRODUCTION/SCOPE

This report has been prepared to provide an inventory of all trees impacted and potentially impacted by the proposed site development.

The report includes the following, as requested for the review of the project by the County of Santa Barbara:

- a. Current health of specimen trees inventoried, with Diameter at Breast Height (DBH at 54 in. above the ground) for each specimen tree.
- b. Number and ID the trees in the tree inventory. Show trees and their Critical Root Zones (dripline + 6 feet), and their corresponding numbers on the site plan, landscaping plan or preliminary grading/drainage plan.
- c. Determine the percentage of the CRZ impacted by the proposed development (including development activities such as grading).
- d. The effects of the proposed development on the trees, and mitigation measures to minimize disturbance to the trees from the development during construction.
- e. Recommended location(s) for on-site staging, storage, and washing of construction materials and equipment.

PROJECT DESCRIPTION

The proposed project involves the construction of a new single-family residence along with associated grading and new landscaping and hardscaping. The project scope of work includes:

1. Demolition of the existing residence.
2. Construction of new single-family residence with a raised foundation.
3. New driveway and motor court area.
4. New landscaping and hardscaping.

TREE INVENTORY AND ASSESSMENT SUMMARY

This report is based on my site inspection and tree assessment on September 20, 2018. Nine (9) trees are included in this report: five (5) on the 607 Sand Point Road property, three (3) on the 591 Sand Point Road Property and one (1) on the 625 Sand Point Road property. Eight (8) of the trees are New Zealand Christmas Trees (*Metrosideros excelsa*), and one (1) the Marina Strawberry Tree (*Arbutus 'Marina'*). The four (4) *Metrosideros* trees on the 607 Sand Point Road Property being proposed for removal to accommodate the construction of the new residence. They are classified specimen trees as a group. The three (3) *Metrosideros* trees at 591 Sand Point Road are also classified specimen trees as

a group. The one (1) *Metrosideros* tree at 625 Santa Point Road is designated as an individual specimen tree. Planting one (1) 72-inch box *Metrosideros* tree is being proposed as mitigation for the removal of the grouping of four (4) specimen trees at 607 Sand Point Road. One (1) specimen *Arbutus* tree on the 607 Sand Point Road property will be transplanted on the site. The four (4) *Metrosideros* on neighboring properties have tree driplines and CRZ extending into the proposed development area. The percentage of CRZ disturbance on these trees does not represent a risk to the health of these trees with the specified protection measures.

TREE INVENTORY

The tree inventory includes:

- Tree number and species for identification on site plan.
- Diameter of the tree trunks at 54 inches (DBH) above the ground.
- Assessment and rating of the trees for health, structure, and aesthetic contributions. Rated 1-5, with 5 being the best.
- An estimate of the percentage of the CRZ, dripline+6 ft. being impacted by the proposed project. The percentage indicates the new area being affected.
- Assessment of general condition of the trees and the presence of insects and diseases.

SPECIMEN TREE INVENTORY DATA

TREE NO.	SPECIES	TRUNK(S) DBH	RATINGS			% CRZ	
			HEALTH	STRUCTURE	AESTHETICS	IMPACTED	REMOVE
1	<i>Merosideros excelsa</i>	12 in.	5	4	5	N/A	X
2	<i>Merosideros excelsa</i>	14 in.	5	3	4	N/A	X
3	<i>Merosideros excelsa</i>	10 in.	5	3	4	N/A	X
4	<i>Merosideros excelsa</i>	14 in.	5	3	4	N/A	X
5	<i>Merosideros excelsa</i>	8 in.	5	4	4	10%	
6	<i>Merosideros excelsa</i>	10 in.	5	4	4	5%	
7	<i>Merosideros excelsa</i>	10 in.	5	4	4	>5%	
8	<i>Merosideros excelsa</i>	10,10,11,13 in.	5	5	5	>5%	
9	<i>Arbutus</i> 'Marina'	10 in.	5	5	5	N/A	Reloc.

TREE ASSESSEMENTS

TREE #1: New Zealand Christmas Tree (*Metrosideros excelsa*) – 12-inch DBH. The tree is healthy. It is in a close grouping of 4 trees making a single large crown equivalent to one large specimen tree. The proposed construction requires the removal of the tree. The size and proximity to the other trees makes relocating this tree unfeasible.

TREE #2: New Zealand Christmas Tree (*Metrosideros excelsa*) – 14-inch DBH. The tree is healthy. It is in a close grouping of 4 trees making a single large crown equivalent to one large specimen tree. The proposed construction requires the removal of the tree. The size and proximity to the other trees makes relocating this tree unfeasible.

TREE #3: New Zealand Christmas Tree (*Metrosideros excelsa*) – 10-inch DBH. The tree is healthy. It is in a close grouping of 4 trees making a single large crown equivalent to one large specimen tree. The proposed construction requires the removal of the tree. The size and proximity to the other trees makes relocating this tree unfeasible.

TREE #4: New Zealand Christmas Tree (*Metrosideros excelsa*) – 14-inch DBH. The tree is healthy. It is in a close grouping of 4 trees making a single large crown equivalent to one large specimen tree. The proposed construction requires the removal of the tree. The size and proximity to the other trees makes relocating this tree unfeasible.

TREE #5: New Zealand Christmas Tree (*Metrosideros excelsa*) – 8-inch DBH. This tree is located on the neighboring property (625 Sand Point Rd.). The tree is healthy and is in a close grouping of 3 trees making a single large crown equivalent to one large specimen tree. The proposed construction will potentially encroach on the CRZ by 10%. The amount of root disturbance does not represent a risk to the health of these trees with the specified protection measures.

TREE #6: New Zealand Christmas Tree (*Metrosideros excelsa*) – 10-inch DBH. This tree is located on the neighboring property (625 Sand Point Rd.). The tree is healthy and is in a close grouping of 3 trees making a single large crown equivalent to one large specimen tree. The proposed construction will potentially encroach on the CRZ by 5%. This amount of root disturbance does not represent a risk to the health of these trees with the specified protection measures.

TREE #7: New Zealand Christmas Tree (*Metrosideros excelsa*) – 10-inch DBH. This tree is located on the neighboring property (625 Sand Point Rd.). The tree is healthy and is in a close grouping of 3 trees making a single large crown equivalent to one large specimen tree. The proposed construction will potentially encroach on the CRZ by less than 5%. This amount of root disturbance does not represent a risk to the health of these trees with the specified protection measures.

TREE #8: New Zealand Christmas Tree (*Metrosideros excelsa*) – 10-inch DBH. This tree is located on the neighboring property (591 Sand Point Rd.). The tree is healthy and is in a close grouping of 3 trunks making a single large crown equivalent to one large specimen tree. The proposed construction will potentially encroach on the CRZ by less than 5%. This amount of root disturbance does not represent a risk to the health of these trees with the specified protection measures.

TREE #9: Marina Strawberry Tree (*Arbutus 'Marina'*) - 10-inch DBH. This is a healthy young specimen tree that can be successfully relocated if performed by a company that specializes in transplanting large trees. The tree is designated for relocation on the landscape plan.

CONSTRUCTION STAGING, PARKING AND REFUSE

The designated space for materials and equipment storage, vehicle parking, and dumpster storage will be outside the CRZ of all trees (see attached site plan).

TREE PROTECTION, MITIGATION AND MAINTENANCE SPECIFICATIONS

The following recommendations are made to a) provide mitigation for possible impacts from the project and b) provide recommendations for the maintenance and preservation of trees during construction activities.

1. All excavation work within the CRZ of specimen trees shall be hand dug and under the supervision of a Certified Arborist. If roots over 2 inches in diameter are encountered, the footings will be bridged over the roots. Any tree roots encountered in digging and trenching that are one inch or greater shall be cleanly cut under the direction of a Certified Arborist. Excavation within the drip line of trees shall only occur where necessary to complete the requirements of the project.
2. All work within the CRZ of existing specimen trees shall be performed only as approved or directed by a Certified Arborist.
3. No grading with heavy equipment shall occur within the CRZ of specimen trees.
4. All specimen trees in or near the project development shall be temporarily fenced with 6-foot high chain-link, or other material satisfactory to the Project Arborist, through all demolition and construction activities. The fencing shall be installed as noted on the site plans, and shall be staked at least every 8 feet. All construction related activities shall be prohibited within these fenced areas.
5. The Construction Contractor shall install 6-foot temporary chain link fencing at the CRZ line prior to grading and construction. Fencing shall remain in place throughout all grading and construction activities, except for temporary relocation as allowed by the Project Arborist for necessary work or access.
6. No construction equipment shall be parked, stored or operated within the fenced CRZ of any specimen oak tree.
7. No fill soil, rocks, or construction materials shall be stored or placed within the fenced CRZ of any specimen tree.
8. No impervious surfacing shall be placed within the CRZ of specimen trees, except
 - a. as approved in the project plans.
9. Dumping of refuse, concrete, paint, plaster washout or chemically injurious materials or liquids shall not occur within the CRZ of specimen trees.
10. If vertical excavations and trenching expose specimen tree roots, the exposed face of the trench shall be covered with burlap and kept damp, to limit desiccation of the root zone until permanent backfill is placed.
11. Mitigation for the removal of 4 specimen trees will be the planting of a 72-inch box *Metrosideros* tree as shown on the landscape plan.

12. The Project Arborist shall make sure that the root collars of the trees remain clear and uncovered. New landscaping and irrigation shall not be placed in these cleared areas, to prevent crown rot and root fungus diseases.
13. A Certified Arborist will work with the designated landscape maintenance person and construction site superintendent, to provide tree protection through the duration of the project phases. The primary focus of tree protection maintenance on site will be checking the protective barrier fencing on a regular basis. Other maintenance activities to maintain the health and vigor of the existing site trees will be directed by the Project Arborist, including irrigation, fertilization, and pest control, if necessary.
14. A Certified Arborist shall be present during the course of any pruning, cutting, grading, or excavation in the CRZ of protected specimen trees. All pruning for shaping, limb weight reduction, and light penetration shall be done with thinning cuts.

DEFINITIONS

“Crown” – the entire extent of tree branches and foliage

“Dripline” - the outer edge of a tree's branching and foliage at ground level.

“Critical Root Zone” (CRZ) – The area within the tree's dripline plus 6 feet
extending beyond the dripline.

“Thinning” - The selective removal of small branches to reduce the density, provide balance, and even distribution of foliage in the tree canopy.



David R. Gress, Certified Arborist WE-0500A

