

3. Tree Protection Construction Standards

**Pre-Construction**

a. Pre-Construction Meeting  
The project arborist shall attend a pre-construction meeting with the contractors to explain the tree protection and monitoring requirements as outlined in the approved TPP.

b. Tree Protection Fencing  
Prior to any clearing, grubbing, trenching, grading, or any land disturbances, tree protection fencing must be installed as follows:  
1) Type  
The fencing shall be temporary, readily visible, and a minimum of 4-feet high. The fencing shall effectively: 1) keep the foliage, crown, branch structure and trunk clear from damage by equipment, materials or disturbances; 2) preserve roots and soil in an intact and non-compacted state; and 3) identify the TPZ zone.

Install chain link construction fencing as indicated on plan.

ii. Signage  
One English language and one Spanish language, readily-visible, durable, waterproof sign shall be installed on the fence in 4 equidistant locations around each individual protected tree. Signs placed on fencing around a stand of protected trees shall be placed at approximately 50-foot intervals. The size of each sign must be a minimum of 16 inches wide and must contain the wording below. The lettering in the word "WARNING" (and Spanish equivalent) must be in capital letters at least 2 inches in height; the phrase "TREE PROTECTION ZONE" must be in capital letters at least 1 inch; size; all other lettering must be at least 1/2 inch in size.

**WARNING**  
**TREE PROTECTION ZONE**  
Entry prohibited. This fence shall remain in place throughout the entire construction period.  
To report violations, contact  
VENTURA COUNTY CONDITION COMPLIANCE: 805/654-2457

**ADVERTENCIA**  
**ZONA DE PROTECCIÓN DE ÁRBOLES**  
Entrada prohibida. Esta cerca debe permanecer en su lugar durante el período de construcción.  
Para reportar violaciones, contacta al  
ENFORZAMIENTO DE PERMISOS DEL CONDADO DE VENTURA:  
805/654-2457

c. Verify Fencing Installation  
Verification that tree protection fencing has been installed pursuant to the approved TPP shall be provided to County before construction commences.

**During Construction**

a. Tree Protection Zone Restrictions  
No ground disturbance, grading, trenching, construction activities or structural development shall occur within the tree protection zone (TPZ) except as specifically authorized by this permit and the approved TPP.

No equipment, soil, or construction materials shall be placed within the TPZ. No oil, gasoline, chemicals, paints, solvents, or other damaging materials may be deposited within the TPZ or in drainage channels, swales or areas that may lead to the TPZ.

Unless otherwise directed by the project arborist, all work done within the TPZ, including brush clearance, digging, trenching and planting, shall be done with hand tools or small hand held power tools that are of a depth and design that will not cause root damage.

Where trenching or digging within the TPZ is specifically permitted, the work shall be conducted in a manner that minimizes root damage, as directed by an arborist.

Grade changes outside of the TPZ shall not significantly alter drainage to protected trees. Grading within the TPZ shall use methods that minimize root damage and ensure that roots are not cut off from air. Where erosion may be a factor return and protect the original grade or otherwise stabilize the soil.

Protected trees shall not be used for posting signs, electrical wires or pulleys; for supporting structures; and shall be kept free of nails, screws, rope, wires, stakes and other unauthorized fastening devices or attachments.

At Carport Slab Excavation  
Before excavating, hand dig a trench along the root pruning limit lines shown on the plan, the dashed line under trees 1, 2 and 3. Carefully expose any wooden roots over 1" diameter and cleanly prune that root using a hand saw or loppers.

b. Tree Care  
No specific care recommendations during construction.

c. Pruning  
I. All work should be performed in accordance with the national consensus standard for tree care ANSI Z133.1 and the national standard for Pruning ANSI A300 Part 1: Pruning-2008 and the Industry Best Management Practices: Pruning (2008) published by the International Society of Arboriculture (ISA). Climbing gear shall not be used on live wood.  
II. No live tissue may be removed from protected trees solely for the purpose of altering the appearance of a tree.

Tree 1: Prune to clear proposed carport by raising canopy as indicated on the plan in Detail A. Raise canopy to approximately 15' above grade or 5' from the carport roof. Remove or shorten downward growing branches 2" diameter or smaller. Prune to clean dead wood. Remove no more than 5 percent of the living foliage.

Tree 2: Prune to clear proposed carport following instructions above for tree 1.

Tree 3: Prune to clear proposed carport following instructions above for tree 1.

Tree 4: Prune to clean dead wood.

Tree 5: Prune to clean dead wood.

Tree 6: coordinate with adjacent property owner concerning this apparently dead tree to mitigate the risk of branch or trunk failure. A large (12") dead branch appears to grow across the property line on the south west side of the trunk as shown in the plan.

d. Arborist Monitoring: If required as a condition of approval.

II. An arborist shall be onsite to monitor all grubbing, trenching, digging, grading and construction activities within the TPZ. Additionally, the arborist shall perform the following duties:  
III. Perform weekly inspections of tree protection fencing during grading or construction in the vicinity of protected trees and report deficiencies immediately to the Planning Division. If construction-related dust has accumulated on protected tree foliage, notify the Permittee and the Planning Division that foliage should be hosed off.  
IV. Produce and submit to the Planning Division monthly reports summarizing the above weekly inspections.  
V. Stop or divert all work when deficiencies require mediation and notify the Planning Division within 24 hours.  
VI. Inform the Planning Division when tree protection fencing may be removed.

e. Unanticipated Tree Damage Reporting  
The Permittee shall submit unanticipated damage reports to the Planning Division within 24 hours of occurrence or discovery of the damage.

**Post-Construction**

a. Arborist Monitoring: If required as a condition of approval

**DRAWINGS**

THIS TREE PROTECTIVE PLAN IS BASED ON TWO ELECTRONIC DRAWING FILES PROVIDED BY THE OWNER'S CONSULTANT MARC COMPTON OF MARC COMPTON CREATIVE. THIS PLAN ASSUMES THE ACCURACY OF THOSE DRAWINGS. THE DRAWINGS INCLUDE:

SITE TOPO:  
DATED 9/18/14, PREPARED BY DODSON LAND SURVEYING INC., 805-681-1615. 4568 AUHAY DRIVE, SANTA BARBARA, CA.

SITE PLAN:  
DATED 9/29/14, PREPARED BY MARC COMPTON CREATIVE, 805-448-6119

THE CANOPY WAS MEASURE BY THE ARBORIST ON 12/04/14. MEASUREMENT WERE MADE FROM THE ACTUAL TRUNK USING A TAPE MEASURE. TRANSFERRED TO FIELD NOTES AND THEN TO THIS PLAN. REQUIRED DETAILS, NOTES AND INFORMATION WERE ALSO ADDED.

TPZ Landscaping

No plans available at this time. Live oak trees do not tolerate summer irrigation. It may kill them. Allow at least a year for the trees to recover from root pruning. Use appropriate low water use plants like those listed in the Sunset Western Garden Book (2012) "Plants for Beneath Oaks"

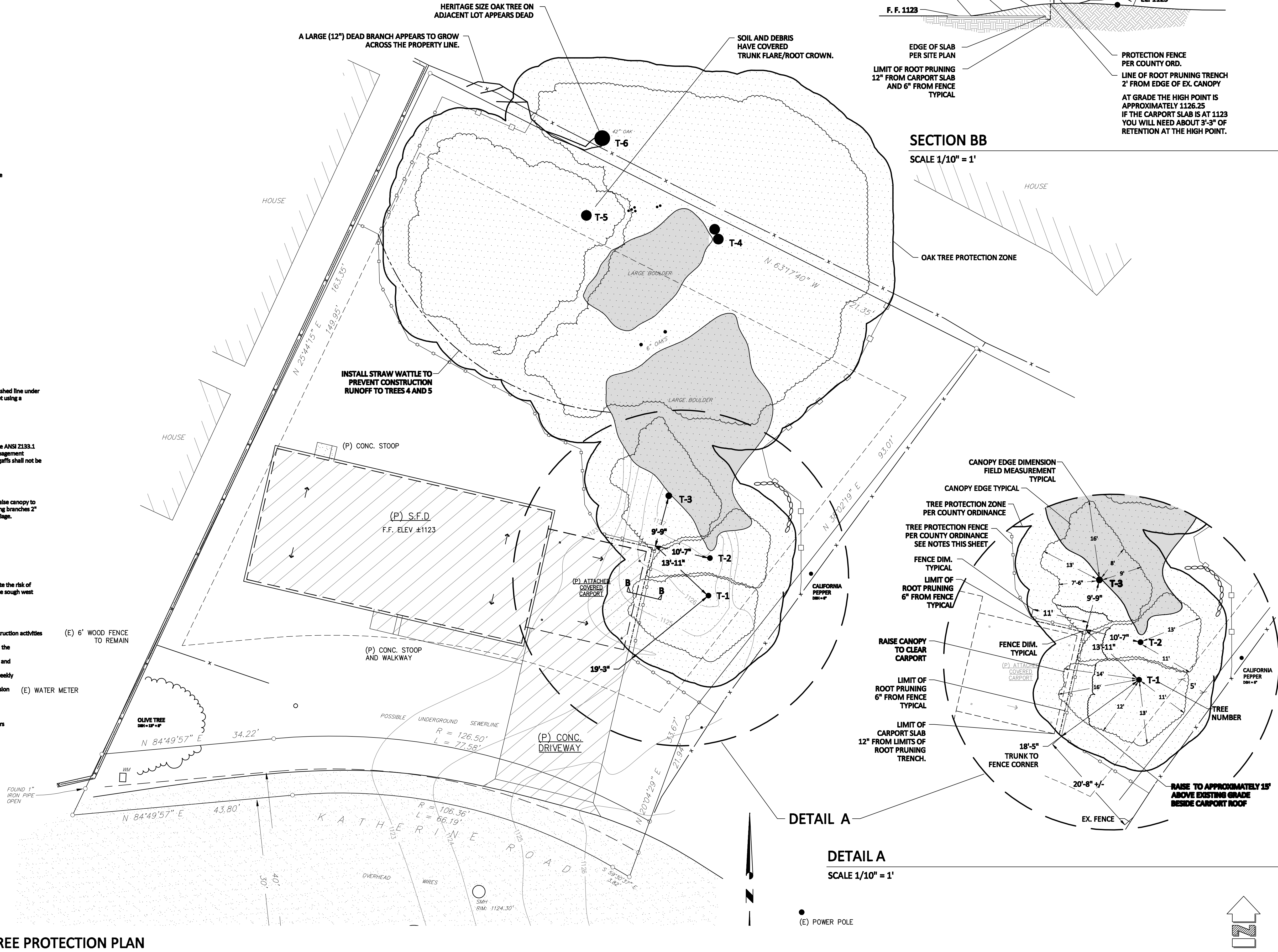
Other Tree Protection Measures

Provide coils of straw wattle (8" diameter) to protect trees 4 and 5 from erosion runoff during construction.

Soil and debris have accumulated to cover the trunk flare/root crown of trees 4 and 5. Sediment around the trunks should be carefully removed using hand tools in order to return this area to it's original grade.

TREE INFORMATION TABLE

Number	Species	Girth	# of Trks	Heritage	HT x WD	Fence	Health	Impact
1	Quercus agrifolia	34	1		30x35	yes	average	TPZ encroach, clearance prune
2	Quercus agrifolia	36	1		30x25	yes	average	TPZ encroach, clearance prune
3	Quercus agrifolia	44	1		30x35	yes	average	TPZ encroach, clearance prune
4	Quercus agrifolia	86+86	2	yes	40x60	yes	fair	none
5	Quercus agrifolia	84	1		45x45	yes	fair	none
6	Quercus agrifolia	132	1		45x35	off site	dead	none



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**JOHN BURKE**  
LANDSCAPE ARCHITECT  
CALIFORNIA LICENSE 5251  
CERTIFIED ARBORIST  
ISA NO. WE-2327A

REVISIONS		
NO.	DATE	DESCRIPTION



CLIENT  
**ALICE CLARK**

SHEET TITLE  
**TREE PROTECTION PLAN**

PROJECT  
**PROPOSED CLARK RESIDENCE  
KATHARINE ROAD (LOT WEST OF 898)  
SIMI VALLEY, CA 91320**

PROJECT NO: 14-34  
DRAWN: J.B.  
DATE: 12/08/14

DRAWING  
**TR-1**  
SHEET 1 OF 1