City of Santa Barbara
FORESTRY DIVISION
STREET TREE REMOVAL REQUEST

ATTACHMENT

February 2016

Date: 1/14/16

Requested by: Andrew Grubb, City of Santa Barbara Public Works Engineering

Address: AGrubb@santabarbaraca.gov

Location of Tree: 1300 block of E. Montecito St and Salinas St. between Mason St. Santa Barbara, CA 93103

Tree Species: *Various trees* **Common Name**: Various trees

Requested Reason for Removal: Bridge construction and pedestrian improvements for Active Transportation Program (ATP) grant funded project.

Current designated Street Tree: *Jacaranda mimosifolia,* Jacaranda *(1977 Master plan)*

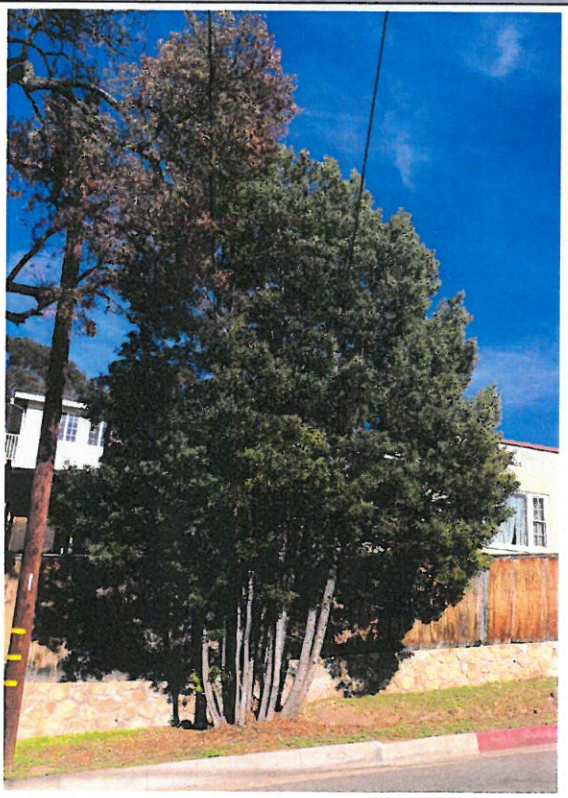
Advisory Committee Recommendation: *Approve Removal:* ☐ *Deny Removal*: ☐

Staff Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Date Posted:

Comments:

PHOTO INVENTORY



CITY OF SANTA BARBARA

JAN 14 2016

PARK & RECREATION
PARKS DIVISION

PAID

City of Santa Barbara
Parks and Recreation Department

STREET TREE REMOVAL APPLICATION

Mailing Address:
PO Box 1990
Santa Barbara, CA 93102
(805) 564-5433 FAX (805) 897-2524

Office Address:
402 E. Ortega St.
Santa Barbara, CA 93101

Application Fee: $50 (effective July 1, 2010)

DATE OF REQUEST:	December 18, 2015
APPLICANT:	Public Works Engineering – Andrew Grubb
ADJACENT OWNER NAME: (IF DIFFERENT THAN APPLICANT):	City of Santa Barbara
MAILING/EMAIL ADDRESS:	630 Garden Street, Santa Barbara CA 93101: AGrubb@SantaBarbaraCA.gov
DAYTIME PHONE:	1-805-564-5404
TREE LOCATION (Address):	(1) 1300 block of E. Montecito St. adjacent to the bridge (2) Salinas St between Mason St and Clifton St
TREE SPECIES (IF KNOWN):	*Street Tree Removal* 36" Black Acacia (1) 4" Jacaranda (2) ---------- *Setback Tree Removal* 17" Jacaranda (1) 18" California Pepper (1) 6" Firewheel (2) 30" Pittosporum (1) Yucca (1) 16" Silver Dollar Gum Eucalyptus (1) 24" Silk Oak (1) 24" Oak (1) 12x6" Black Acacia Suckers (1) 12" Ficus Benjamina (1) 12" Queen Palm (6) 18" Tipuana Tipu (1) 16" Queen Palm (1) Giant Bird of Paradise Clump (1)
REASON(S) FOR REMOVAL/TRIMMING:	Bridge construction and pedestrian improvements for Active Transportation Program (ATP) grant funded project.

PROVIDE THE FOLLOWING SUPPLEMENTAL INFORMATION

- Property owner letter, indicating reasons for removal. Also include whether:
  - The removal application is associated with new development or redevelopment of property
  - Status of development application, including whether the project is scheduled for review by the Single Family Design Board, Architectural Board of Review or Historic Landmarks Commission
  - The tree is a designated Specimen or Historic Tree

drake haglan
AND ASSOCIATES

11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670 ▪ Phone: (916) 363-4210 ▪ Fax: (916) 363-4230

Memorandum

To: Andrew Grubb
Project Manager
City of Santa Barbara Public Works

Date: December 18, 2015

File: Contract No. 25,093
ATPL-5007(067)

From: Craig Drake

Subject: Montecito St Bridge Replacement and Pedestrian Improvements Project Street Tree Removal

Property Owners Letter

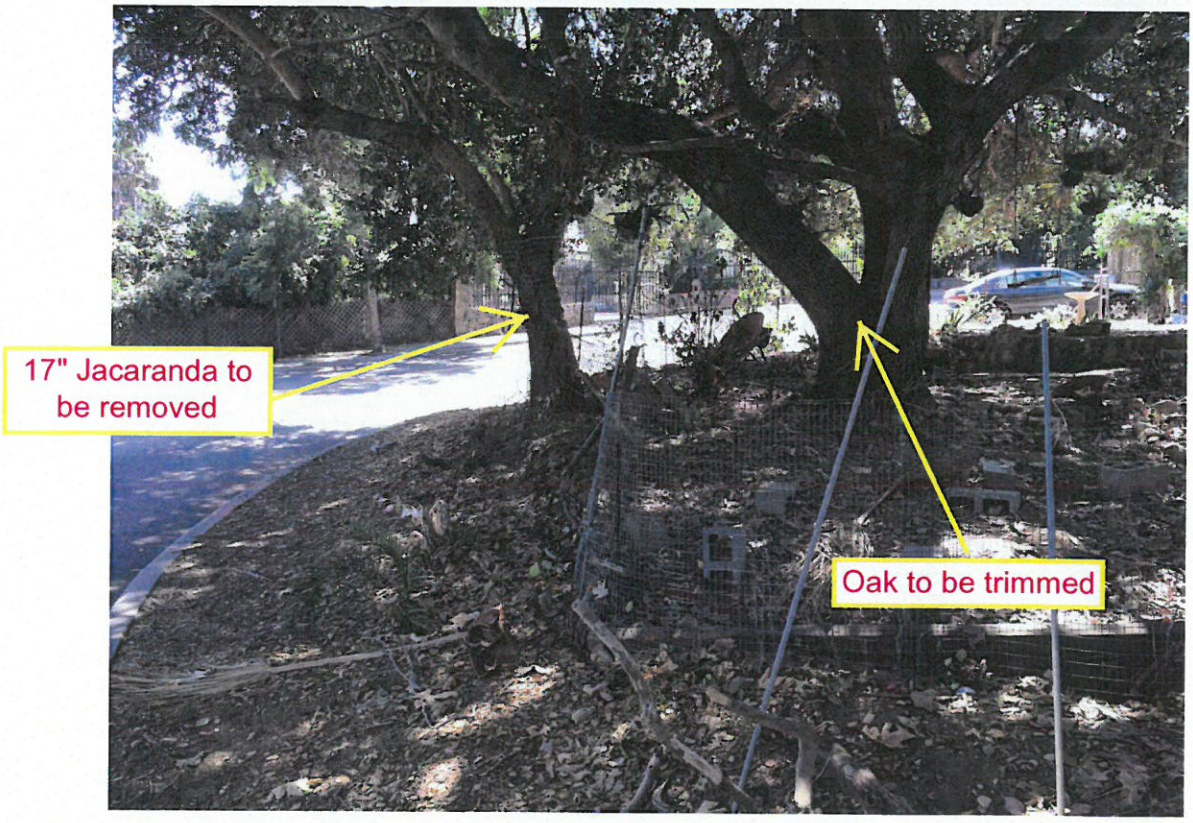
The City of Santa Barbara Public Works Department is replacing the Montecito Street Bridge over Sycamore Creek on the 1300 block of E. Montecito Street in the Eastside neighborhood. The project also consists of constructing pedestrian improvements which will include adding new sidewalk, curb ramps, and pedestrian-scale lighting along Montecito Street, Yanonali Street, and Salinas Street. The purpose of the project is to improve pedestrian and bicycle access as well as safety in the Eastside neighborhood.

The bridge replacement project results in a wider bridge to accommodate a new sidewalk and bicycle shoulders, and lengthens the bridge span across the creek. The improvements for the new wider and longer bridge conflict with the location of existing trees requiring them to be removed. The pedestrian improvements portion of the project includes adding new sidewalk along the north side of Salinas Street between Mason Street and Clifton Street where no sidewalk currently exists. Along Salinas Street residents have encroached out into City right-of-way with their landscaping and trees which will conflict with the new sidewalk and pedestrian improvements.

As shown on the attached exhibits, temporary work and permanent improvements will impact the street and setback trees as indicated; therefore they will need to be removed for construction. Also attached is a restoration plan to replace lost vegetation and trees, as well as the arborist report prepared for this project.

The project results in the removal of five (5) setback trees on Montecito Street near the bridge as shown on the following exhibits. The project also results in the removal of three (3) street trees and fifteen (15) setback trees on the north side of Salinas Street as shown on the following exhibits. All of the trees to be removed are in direct conflict with the project and cannot be protected in place. Project alternatives were studied, but there was no alternative that could protect the existing trees.

Of the twenty three (23) trees to be removed none are in an existing parkway. All trees to be removed are behind existing curbs, walls, and fences. New trees will be planted inside the riparian habitat near the bridge and also inside the new parkway that will be constructed with the sidewalk along Salinas Street. These trees are shown in the attached landscape plan that will be presented to the Architectural Board of Review, and will be subject to their approval for final design.

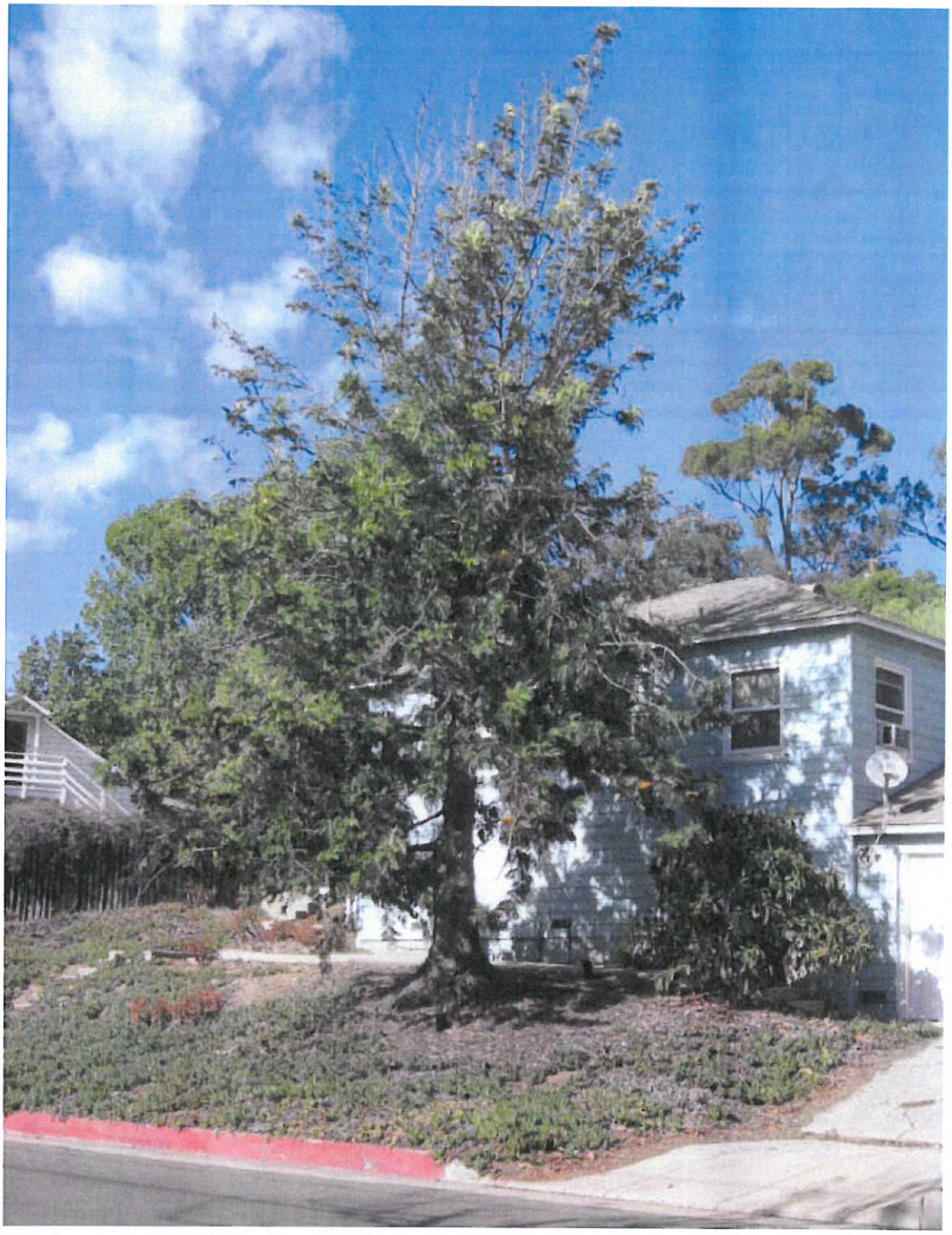


Removal 1 (17" Jacaranda)

Removal 2 (18" California Pepper)

Removal 3 and 4 (6" Firewheels)

Removal 5 (30" Pittosporum)



Removal 6 (24" Silk Oak)

Removal 7 (Yucca)

Removal 8 (16" Silver Dollar Gum Eucalyptus)

Removal 9 (36" Black Acacia)

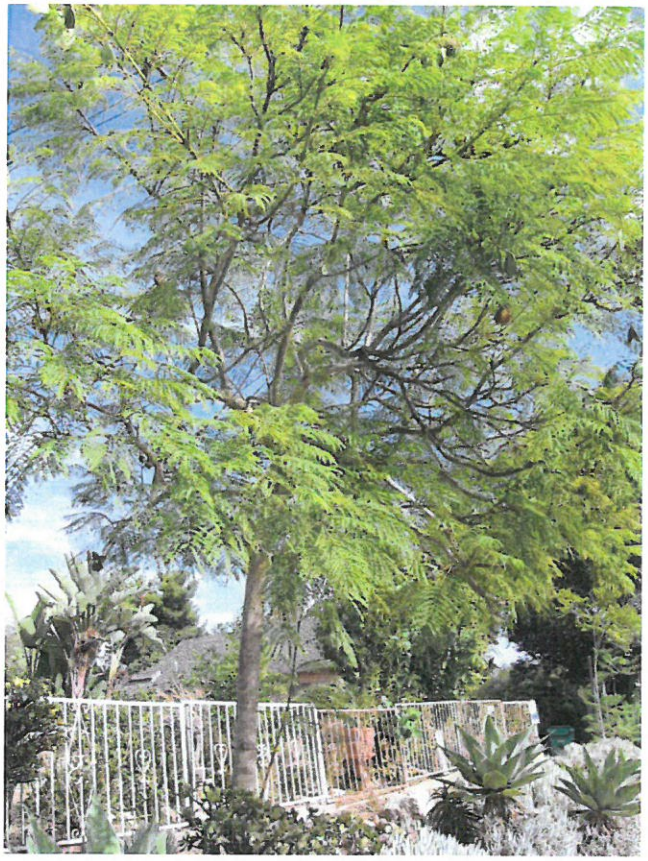
Removal 10 (12x6" Black Acacia Suckers)

Removal 11 (12" Ficus Benjamina)

Removal 12-15 (4x12" Queen Palms)

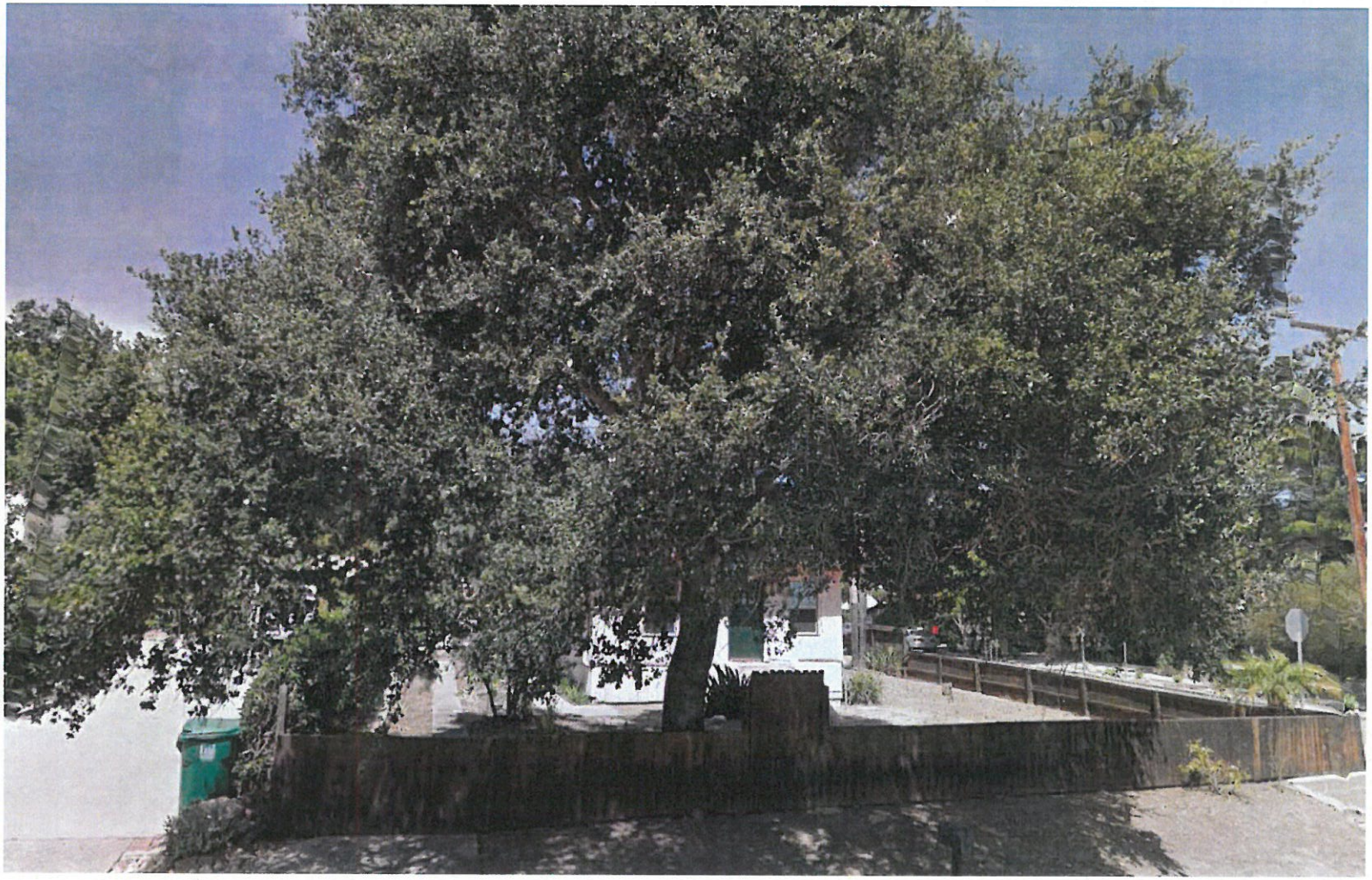
Removal 16 (12" Queen Palm)
Removal 17 (18" Tipuana Tipu)
Removal 18 (12" Queen Palm)
Removal 19 (16" Queen Palm)

Removal 20 (Giant Bird of Paradise Clump)



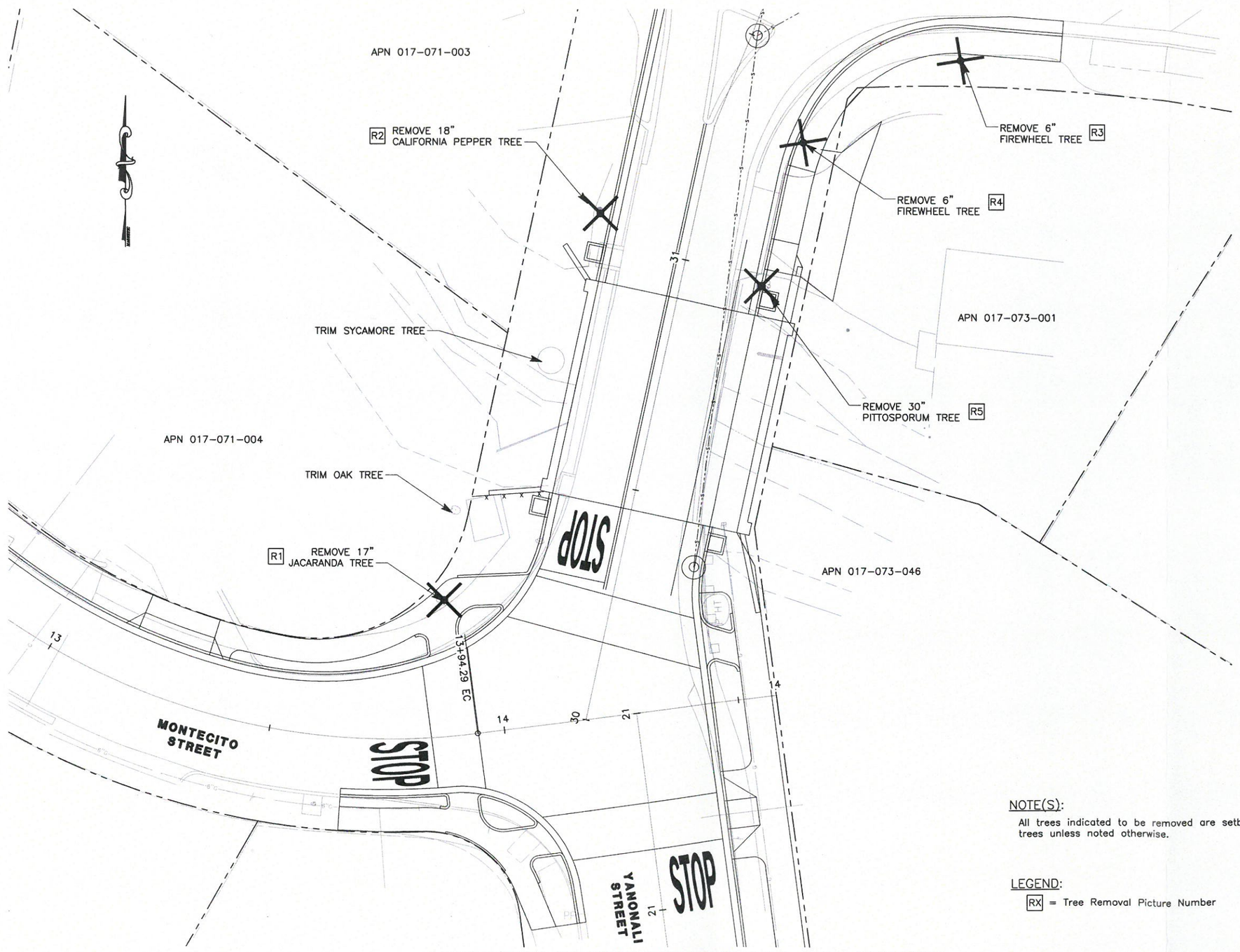
Removal 21 (4" Jacaranda)

Removal 22 (4" Jacaranda)



Removal 23 (24" Oak)

drake haglan
AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670



MONTECITO STREET TREE REMOVAL AND TRIMMING

Scale: 1"=10'

NOTE(S):

All trees indicated to be removed are setback trees unless noted otherwise.

LEGEND:

RX = Tree Removal Picture Number

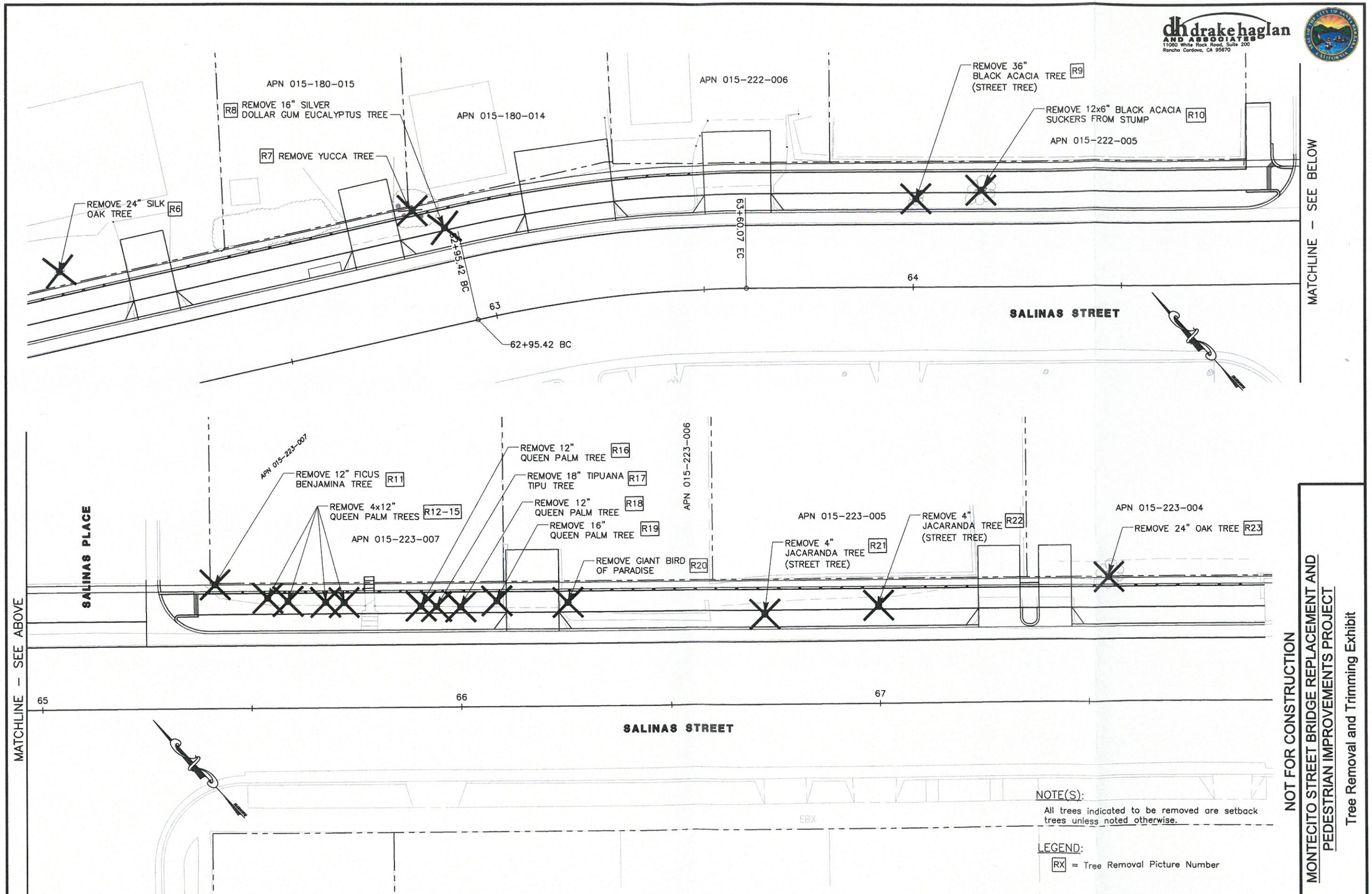
ORIGINAL UNITS IN INCHES
SCALE ACCORDINGLY
0 1 2 3

NOT FOR CONSTRUCTION

MONTECITO STREET BRIDGE REPLACEMENT AND PEDESTRIAN IMPROVEMENTS PROJECT

Tree Removal and Trimming Exhibit

drake haglan AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670



NOTE(S):

All trees indicated to be removed are setback trees unless noted otherwise.

LEGEND:

RX = Tree Removal Picture Number

SALINAS STREET TREE REMOVAL AND TRIMMING

Scale: 1"=10'

ORIGINAL UNITS IN INCHES
SCALE ACCORDINGLY
0 1 2 3

NOT FOR CONSTRUCTION

MONTECITO STREET BRIDGE REPLACEMENT AND PEDESTRIAN IMPROVEMENTS PROJECT

Tree Removal and Trimming Exhibit

PLANT_SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	CONT
	Platanus racemosa / California Sycamore	15 gal
	Salix lasiolepis / Arroyo Willow	live stakes

SHRUBS	BOTANICAL NAME / COMMON NAME	CONT
	Anemopsis californica / Yerba Mansa	1 gal
	Artemisia douglasiana / Mugwort	1 gal
	Leymus triticoides / Wild Rye	1 gal
	Rosa californica / California Wild Rose	1 gal
	Rubus ursinus / California Blackberry	1 gal

N
W E
S

Scale: 1" = 8'-0"

ORIGINAL UNITS IN INCHES
SCALE ACCORDINGLY
0 1 2 3

DATE

drake haglan AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

DAVID R. BLACK & ASSOCIATES
LANDSCAPE ARCHITECTURE
URBAN DESIGN
1718 PAMPAS AVE.
SANTA BARBARA, CALIFORNIA 93101
Telephone 805.898.8717 Fax 898.0373
dblack@davidblackla.com

LICENSED LANDSCAPE ARCHITECT
David R. Black • No. 2969
SIGNATURE
06.30.16
RENEWAL DATE
DATE
STATE OF CALIFORNIA

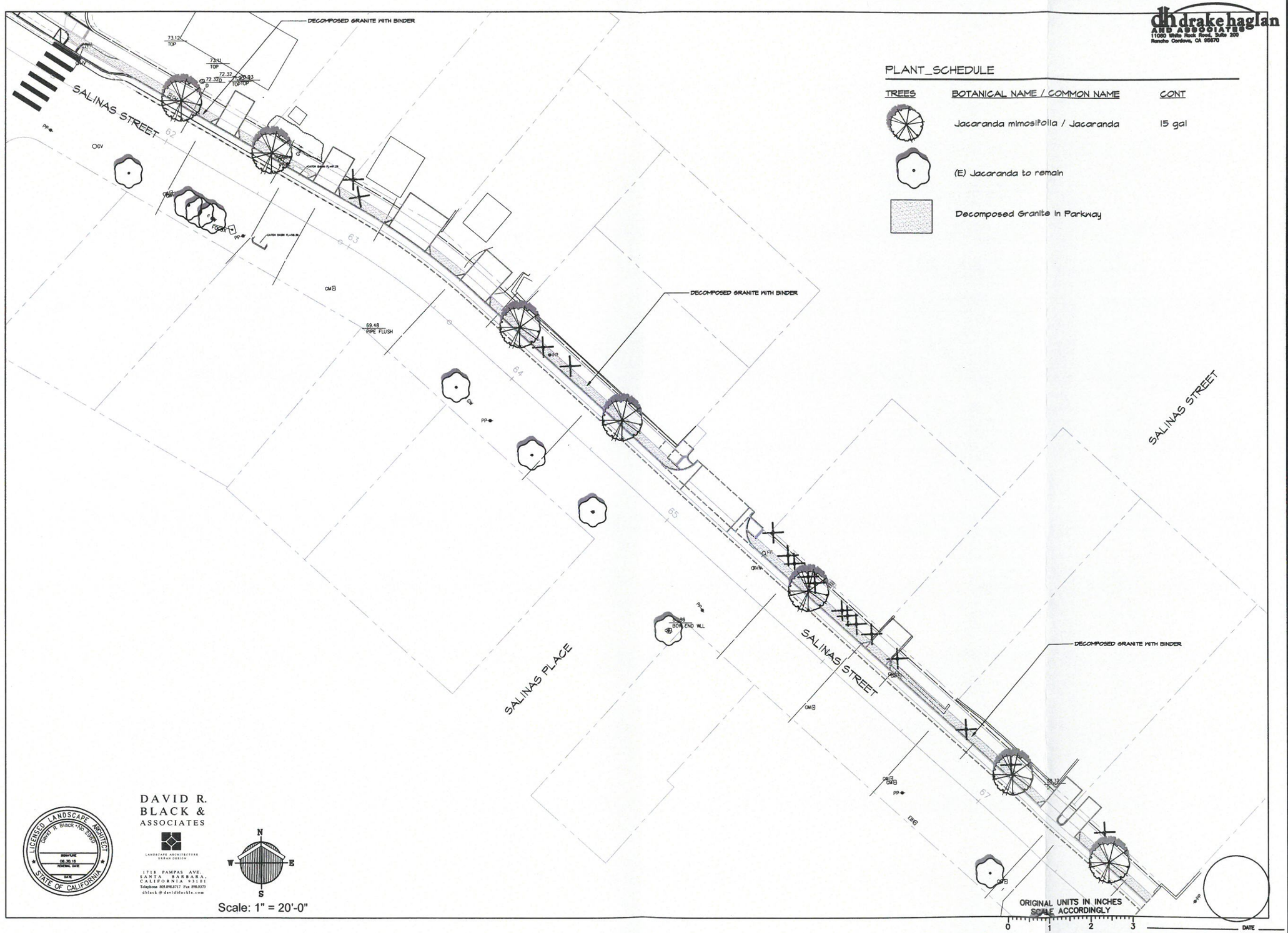
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

APPROVED:
CITY ENGINEER DATE
ORIGINAL SIGNED DATE

DESIGN JG
DRAWN AH
CHECKED --

NO.	REVISIONS	DATE	APPROVED

PBW. NO.
BID NO. SHT. DES.
DWG. NO.
SHT. OF



Scale: 1" = 20'-0"

PLANT_SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	CONT
	Jacaranda mimosifolia / Jacaranda	15 gal
	(E) Jacaranda to remain	
	Decomposed Granite in Parkway	

drakehaglan AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

DAVID R. BLACK & ASSOCIATES
LANDSCAPE ARCHITECTURE URBAN DESIGN
1718 PAMPAS AVE.
SANTA BARBARA, CALIFORNIA 93101
Telephone 805.898.8717 Fax 898.0373
dblack@davidblackla.com

LICENSED LANDSCAPE ARCHITECT
David R. Black • No. 2969
SIGNATURE
06.30.16
RENEWAL DATE
DATE
STATE OF CALIFORNIA

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

APPROVED:
CITY ENGINEER
DATE
ORIGINAL SIGNED DATE

DESIGN JG
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CHECKED ---

NO.	DATE	APPROVED	REVISIONS

PBW. NO.
BID NO. SHT. DES.
DWG. NO.
SHT. OF

Bill Spiewak
CONSULTING ARBORIST
Registered Consulting Arborist #381 • American Society of Consulting Arborists

TREE ASSESSMENT AND PROTECTION PLAN

Project: Montecito Street Bridge Replacement Project

Prepared for:
Matt Burgard, P.E. - Bridge Engineer
Drake Haglan and Associates
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Rancho Cordova, CA 95670
(916) 822.3956 / (916) 521.0420 mobile
mburgard@drakehaglan.com

Prepared by:
Bill Spiewak Consulting Arborist
3517 San Jose Lane
Santa Barbara, CA 93105
(805) 331-4075
bill@sbarborist.com

December 11, 2015

SUMMARY

The City of Santa Barbara is proposing to remove and replace the Montecito Street Bridge. There is a large sycamore and several other trees within the parameters of the project. I was retained to assess potential impacts to the trees and prepare a report with my findings and recommendations.

Working with the team, led by Matt Burgard, Bridge Engineer for Drake Haglan and Associates, we came up with a plan that will utilize a series of pile foundations, not closer than 10' from the tree, to provide the underlying support on one side. Several small trees will be removed for the project. In addition, the sycamore will need to be pruned to reduce weight at the top and to the south. Tree protection measures must be followed to assist with retention of the tree.

The Table of Contents on the next page illustrates the organization of this report.

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BACKGROUND/ASSIGNMENT

The City of Santa Barbara is proposing to replace the Montecito Street Bridge at Yanonali Street. There is a large sycamore tree west of the bridge that may be affected by the project. I was retained by engineering consultants, Drake Haglan and Associates, to inspect the tree, assess its condition and potential impacts from construction, and prepare a report with my findings and recommendations. I was on the site multiple times in June and July 2015, to look at the tree and the proposed project.

Use of Report

It is intended that this report provide guidelines to complete the project while retaining the sycamore tree.

Scope of Project

In order to fulfill my assignment, the following details were required:

- Inspect and assess the condition of the tree and the root system,
- Evaluate potential impacts to the trees from the proposed project,
- Communicate with the project team regarding impacts and options,
- Meet with the City of Arborist to discuss the tree and potential pruning ideas,
- Prepare a report with my findings and recommendations.

POTENTIAL IMPACTS TO THE TREE

Potential impacts to the tree from the bridge replacement may come from:

- Demolition of the existing bridge, culvert, fill soil around the culvert, and the roadway,
- Excavation, trenching, and grading, for foundations,
- Fill soil and compaction for new roadway surfaces
- Conflicts between the tree and equipment.
- Underground utilities and culverts.

OBSERVATIONS

The Tree and Site

1. The tree is a California Sycamore *(Platanus racemosa).*
2. It is approximately 75'-80' tall with 40'-50' spread, and has a 70" DBH (diameter at breast height measured at 54" above ground).
3. The tree leans to west at about 35-40 degrees. It is rooted on the northern creek bank but overhangs southern side and adjacent neighbor's property line and oak tree.
4. Due to the lean, the trunk at the ground is one foot from west side of bridge but 3'-4' from the top of bridge (a few feet above ground).
5. Surface roots are evident beneath the bridge, although the soil is sandy, which provides an environment that encourages deep rooting, common in a creek.
6. There is a culvert leading down from the storm drain that is buried between the tree and the bridge.
7. Ivy surrounds the trunk along the creek bank.
8. High voltage lines run above the center of trunk with television and telephone wires running through the crown.
9. The tree had been historically pruned to not overhang the high voltage lines and therefore higher limbs do not overhang Montecito St.
10. However, there are lower limbs over Montecito street that rest on the lower tv/tele lines.
11. On the east side of Montecito street is a small pittosporum tree *(Pittosporum undulatum)* in poor condition. This appears to be in the city right of way.
12. On the west side of Montecito street, on the adjacent neighbors property to the south is a large oak. This is the oak beneath the overhanging sycamore.
13. There is also a jacaranda *(Jacaranda mimosifolia)* with a 17" DBH growing into the oak tree. The jacaranda appears to be in the city's right of way.
14. An 18" DBH California pepper *(Schinus molle)* is over the the adjacent neighbors property to the north (also west of Montecito St.), although it may also be within the city's right of way.

The Project

15. The City of Santa Barbara (City) is proposing to replace the existing Montecito Street Bridge over Sycamore Creek with a new bridge at the same location and add pedestrian improvements.
16. The pittosporum on the east side of Montecito St., and the pepper and jacaranda on the west side of Montecito St. (items #13 and #14 above), will be removed for the project.
17. Pedestrian improvements will consist of adding new sidewalk, curb ramps, and pedestrian-scale lighting along Montecito Street, Yanonali Street, and Salinas Street.
18. The bridge will be replaced at the same location to match the existing roadway alignment, but will be widened to accommodate a sidewalk on the east side of the bridge, as well as roadway shoulders for bicyclists. All sidewalks will be added along the existing local street alignments.

19. The new replacement bridge will be a concrete slab bridge supported on pile foundations. The bridge will be approximately 45 feet long and approximately 43 feet wide.
20. The closest pile foundation is 10' from the sycamore. The other four pile foundations are equally spaced, across the width of the bridge
21. In order to meet AASHTO standards, the new bridge will be wider than the existing bridge; and therefore, it will be closer to the large Sycamore tree. To limit impacts to the tree, the proposed bridge abutment on the northerly side will be designed to be further to the north than the existing abutment. The proposed bridge will also be constructed on pile foundations to limit the amount of damage to the tree roots during substructure work.
22. The proposed construction will require relocation of underground utilities from the existing bridge onto or through the replacement bridge.
23. Overhead utilities at the site include electrical transmission and distribution lines on the eastern side of the bridge. The transmission lines are above the distribution lines and are not anticipated to be a problem for construction. The lower distribution lines on the eastern side of the bridge will conflict with construction activities and will need to be cleared from the project site prior to construction. These easterly lines will only need to be temporarily relocated to facilitate construction and then can return to their existing location after construction in complete.
24. Both overhead communication lines and electrical distribution lines are located on the western side of the bridge. Both the communication lines and distribution lines on the western side of the bridge will need to be cleared from the site prior to construction as they conflict with construction activities. Because the bridge and roadway are being widened by the project, the northern wooden utility pole on the west side of the bridge supporting the communication and electrical lines will need to be permanently relocated in the final project condition as it will interfere with the roadway shoulder. There is enough room for this pole to be relocated to the west and still remain in the City right-of-way if the utility company desires to do so.
25. Two overhead utility poles on the north side of Montecito Street near Montecito Place that will be relocated to the back of the City's right-of-away at the same location to accommodate the new sidewalk.
26. Demolition of the existing bridge will be performed in accordance with Caltrans Specifications modified to meet environmental permit requirements. Prior to construction, the contractor will be required to prepare and submit for approval a bridge demolition plan, including creek diversions/bypass details, that are in conformance with the environmental permits. All concrete and other debris resulting from the demolition of the existing bridge will be removed from the proposed Project site and properly disposed of by the contractor.
27. Demolition of existing retaining walls, sidewalks, asphalt, etc. will be performed in accordance with Caltrans Specifications environmental permit requirements. All concrete and other debris resulting from the demolition of the existing walls, sidewalks, asphalt, etc. will be removed from the proposed Project site and properly disposed of by the contractor.
28. Portions of trees, bushes, and landscaping that conflict with new construction will be removed. The areas around the Project work sites will be cleared of vegetation and

fencing to gain access. The work will be within the approved Project limits of disturbance.

29. Existing retaining walls, sidewalks, asphalt, etc. identified to be removed will be demolished and properly disposed of offsite. Heavy equipment will be required to demolish and remove such features. Drainage features will be protected from contamination and all debris generated by the demolition will be removed from the site.
30. The existing bridge will be demolished and properly disposed of offsite. Heavy equipment will be required to demolish and remove the existing masonry structure. The creek below will be protected from contamination and all debris generated by the demolition will be removed from the site.
31. The replacement bridge foundations will be supported by cast-in-drilled-hole (CIDH) concrete piles. Excavation for the abutments will be approximately 15 ft deep, measured from the roadway surface. The CIDH pile construction may require the use of high density drilling slurry and/or temporary casings. If drilling slurry is used, the contractor will be required to have a contingency plan in place before drilling operations begin, in the event there is a blow out during drilling and drilling fluid is spilled into the creek. While drilling operations are underway, the creek will be dewatered near the drilling operations with a creek diversion in place. Prior to construction, a drilling plan will be prepared and submitted by the contractor for approval in conformance with applicable permits. Any drilling slurry from the CIDH pile construction will be contained and properly disposed of offsite.

DISCUSSION

Due to the sandy soil and the natural growth characteristics of sycamores in creek beds, roots grow deeply, as opposed to roots in heavy clay soils. This is an advantage to the sycamore and has likely contributed to its size and healthy condition.

My greatest concern is the lean and size of the tree. Tension roots on the northern side of the trunk are extremely important for stability. Research states that roots within three to five trunk diameters are critical for support [1]. For this sycamore, that would calculate to 210"- 350" or a radius of 17'- 30'. Although there are significant roots to the south, east, and west, the northern roots are the most important for stability.

Based on these parameters, pilings are being used to support the foundation and minimize root loss. The diameter of roots diminish quite rapidly when moving away from the trunk. The 10' distance of the closest piling should significantly minimize root damage. The additional pilings to the east should contribute to minimizing damage.

Roots on other sides of the sycamore are also important to the health of the tree. Project conditions have addressed these concerns and will protect roots to the greatest extent feasible.

When removing the culvert, fill soil around it will need to be disturbed. It is likely that roots are growing in this soil and will be damaged unless the culvert can be retained and filled will soil or concrete.

In order to reduce tension on roots from the lean of the tree, pruning will be important to reduce weight at the top and to the south. There appears to a location where the crown could be reduced in height. The long limb over the oak tree to the south should also be removed. In discussion with the City Arborist, we both agreed that this crown reduction is important to mitigate possible root loss.

CONCLUSIONS

- The engineer has designed a project that should lead to retention of the sycamore.
- Demolition of existing infrastructure and replacement must be done with care to minimize damage to existing roots. The project description (pages 4-6) has addressed these potential issues and should be followed to the greatest extent feasible in conjunction with tree protection measures.
- The project arborist should monitor activities and guide the contractor in complying with the protection measures.
- Consider leaving the culvert in place and filling it will soil.
- Tree pruning should be accomplished prior to any demolition. The neighbor's oak should be also pruned to assure stability prior to removal of the underlying jacaranda.

1. Smiley, *Root Pruning and Stability if Young Willow Oak*, Arboriculture and Urban Forestry, Scientific Journal of the International Society of Arboriculture, 34(2): 123-128, March 2008.

TREE PROTECTION MEASURES

1. A pre-construction meeting should be held with contractors, prior to commencement of work, to discuss tree protection measures.
2. Tree pruning and removal should be done prior to any demolition and directed by the project arborist. Pruning should be performed by a qualified company that is compliant with ISA Best Management Practices for Tree Pruning. Climbing spikes may not be used to work in trees. The project arborist should review the goals with workers prior to commencement of any tree pruning.
3. Install fencing, chain link, as far from the trunk as possible to establish a tree protection zone (TPZ). Due to the tight area around the tree, the protection zone will be very small and may only provide limited protection to the trunk. However, the entire area around the tree, outward to a radius of 30' from the trunk, shall be considered to be sensitive. Work within this area must be monitored by the project arborist and protected to the greatest extent feasible.
4. The TPZ should be void of all activity, including operation of equipment, storage of materials and dumping (including temporary spoils from excavation).
5. Demolition and excavation within the 30' radius of the trunk, should be done carefully. Any roots encountered that are ½" and greater should be cleanly cut.
6. All conditions relative to trees as listed in the project description, should be followed to the greatest extent feasible.
7. It may be determined by the project arborist that supplemental irrigation is necessary to aid trees that incur root loss and/or during hot and dry periods.
8. The project arborist should monitor activities on the site throughout the duration of the project. This would be more frequent during fencing installation, excavation and grading, and less frequent as the project progresses.

REFERENCES

1. Harris, Clark, Matheny, *Arboriculture: Integrated Management of Landscape Trees, Shrubs and Vines, Fourth Edition,* Prentice hall, Upper Saddle River, New Jersey, 2004.
2. Matheny and Clark, *Evaluation of Hazard Trees In Urban Areas, Second Edition,* International Society of Arboriculture, Savoy, Illinois, 1994.
3. Matheny and Clark, *Trees and Development; A Technical guide To Preservation of Trees During Land Development,* ISA, 1998.
4. Smiley, *Root Pruning and Stability if Young Willow Oak*, Arboriculture and Urban Forestry, Scientific Journal of the International Society of Arboriculture, 34(2): 123-128, March 2008.

ARBORIST'S DISCLOSURE AND CERTIFICATION OF PERFORMANCE

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees can be managed, but they cannot be controlled. To live near a tree is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

I Bill Spiewak, certify:

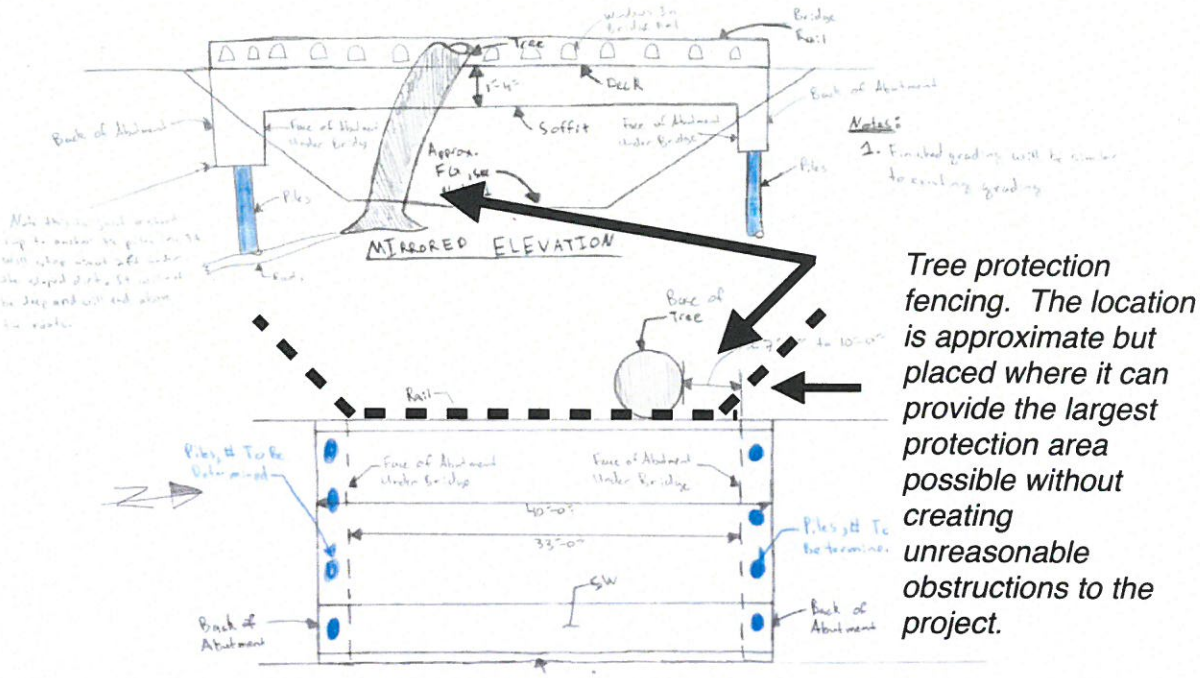
That I have personally inspected the trees on the property referred to in this report and have stated my findings accurately.
The analysis, opinions and conclusions stated herein are my own and are based on current scientific procedures and commonly accepted arboricultural practices.

Signed: *Bill Spiewak*

Bill Spiewak
Registered Consulting Arborist #381
American Society of Consulting Arborists

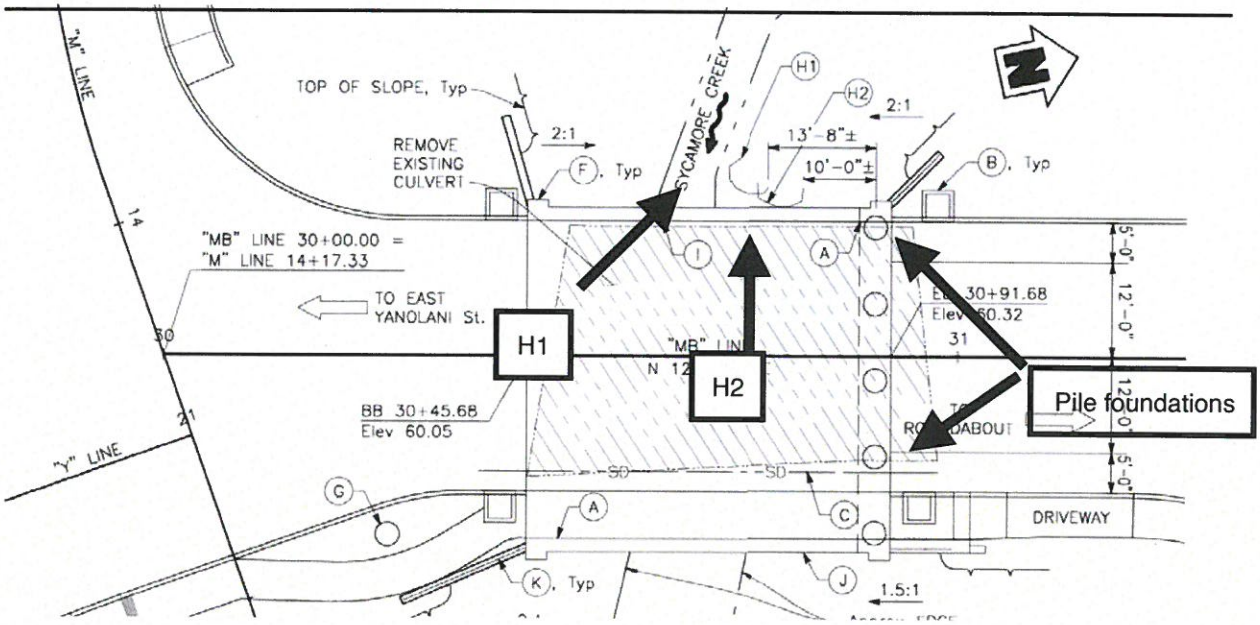
Board Certified Master Arborist #310B
International Society of Arboriculture

SITE PLAN



Tree protection fencing. The location is approximate but placed where it can provide the largest protection area possible without creating unreasonable obstructions to the project.

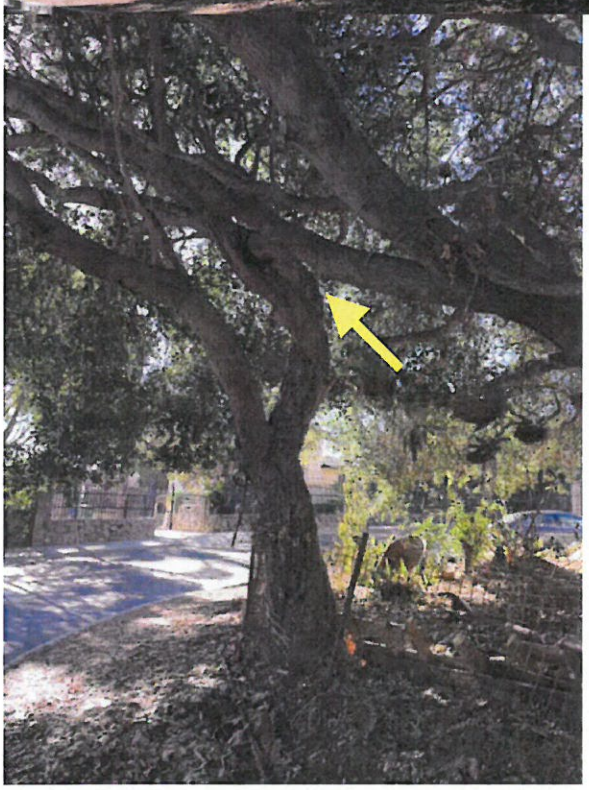
Above: An early sketch of the new bridge and tree. The mirrored elevation is a view looking downstream (to the east) with the tree leaning south on the western side of the bridge. The arrows show the proximity of the tree from two perspectives.



Above: In the actual plan, H1 and H2 show the location of the tree at the ground and at the top of the bridge. H2 is at the ground and H1 1 is higher up with a trunk that leans to the south. Also note locations of the pile foundations.

PHOTOS

A view of the sycamore from East Yanonali Street looking northwest. The yellow lines show approximate pruning locations to reduce size and weight.

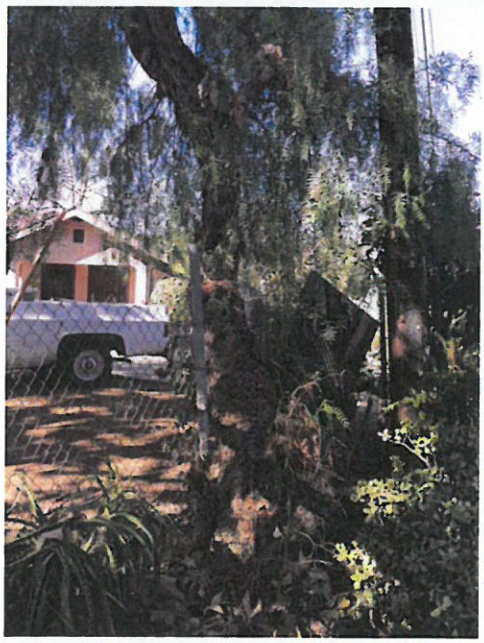


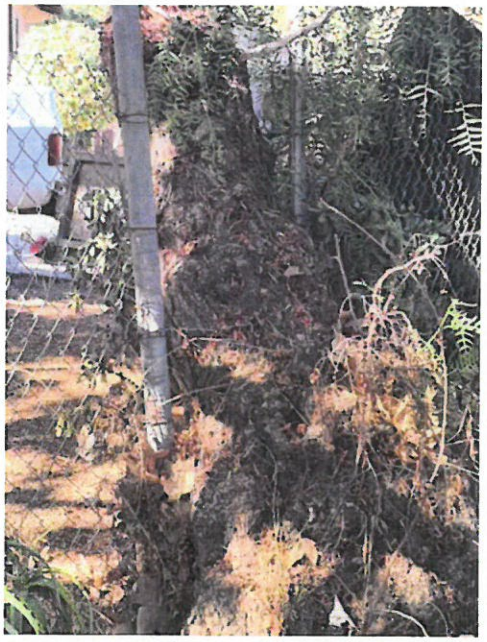
Top: A view of the oak and jacaranda. The large oak is on the neighbor's property to the south of the creek and the sycamore. Note the overhanging sycamore limbs. Also note the jacaranda foliage intertwined with the oak (arrows).

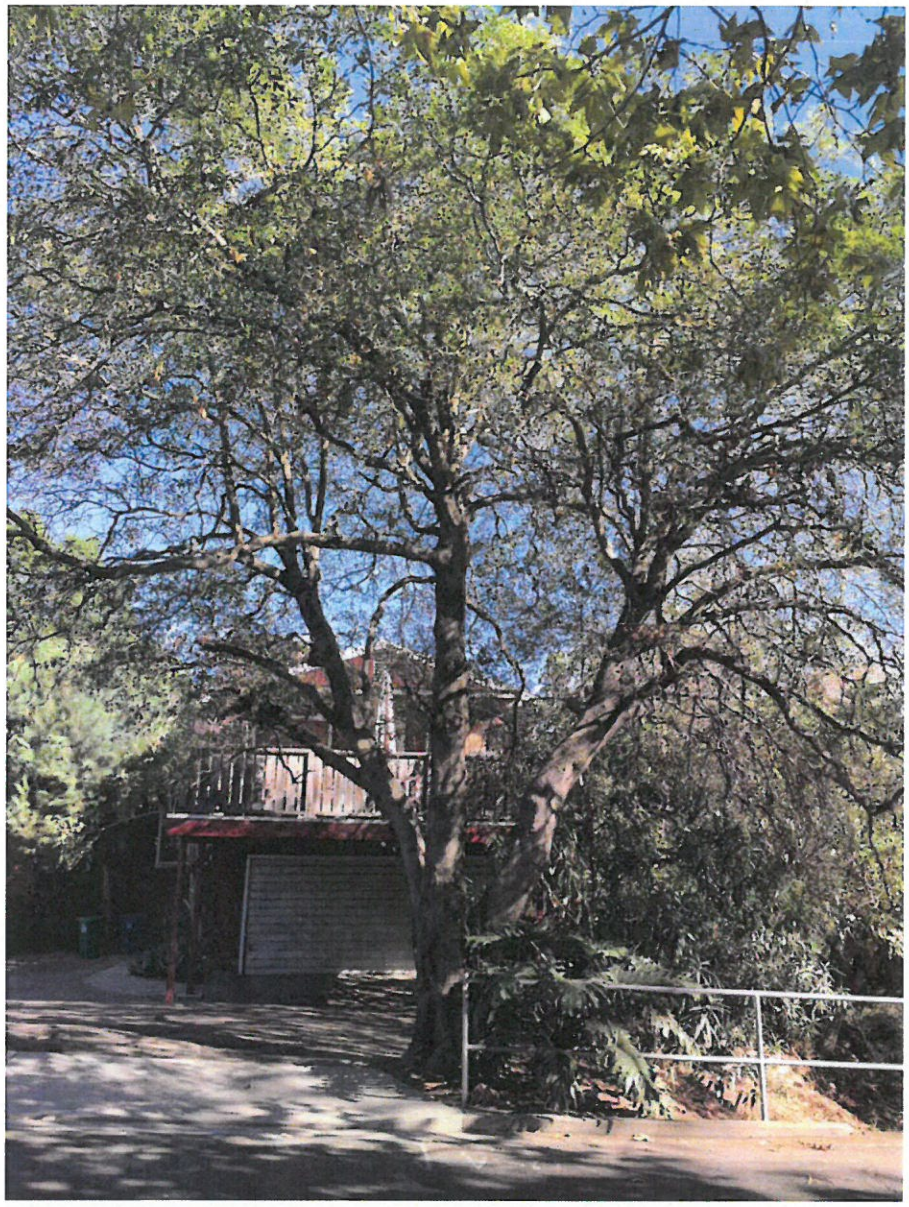
Left: Another view of the jacaranda below large oak limbs. Due to possible dependency on the jacaranda for support, the oak should be selectively pruned to eliminate any need for support prior to removal of the jacaranda. Arrow points to the conflict between the two trees.

Left: A view of the pepper tree next to the pole along the west side of Montecito St. and the north side of the creek. This tree will be removed.

Bottom left and right: Views of the same tree as it appears to grow from the city right of way over the neighbor's driveway.







A view of the pittosporum to be removed on the east side of Montecito Street.

Parks & Recreation
CITY OF SANTA BARBARA

City of Santa Barbara
FORESTRY DIVISION
STREET TREE REMOVAL REQUEST

ATTACHMENT

February 2016

Date: 1/21/16

Requested by: Eric Goodall, City of Santa Barbara Public Works Engineering

Address: EGoodall@santabarbaraca.gov

Location of Tree: 411 and 415 S. Milpas St., Santa Barbara, CA 93103

Tree Species: *(1) Melaleuca quinquenervia* **Common Name**: Cajeput Tree
(2) Yucca elephantipes Giant Yucca

Requested Reason for Removal: New sidewalk and ramp installation that conflict with the location of existing trees regardless of sidewalk location within public right of way.

Current designated Street Tree: Melaleuca quinquenervia, Cajeput Tree *(1981 Unknown)*

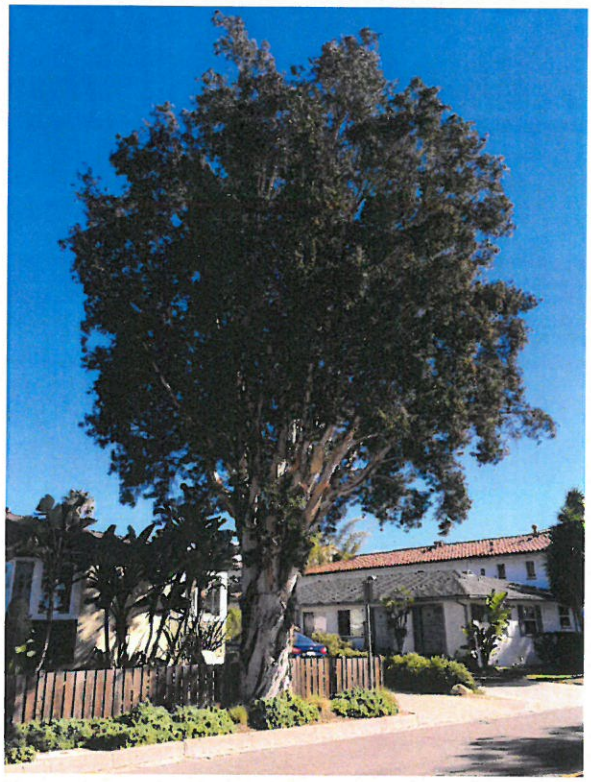
Advisory Committee Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Staff Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Date Posted:

Comments:

PHOTO INVENTORY



CITY OF SANTA BARBARA

JAN 21 2016

PARK & RECREATION
PARKS DIVISION

City of Santa Barbara
Parks and Recreation Department

STREET TREE REMOVAL APPLICATION

Mailing Address:
PO Box 1990
Santa Barbara, CA 93102
(805) 564-5433 FAX (805) 897-2524

Office Address:
402 E. Ortega St.
Santa Barbara, CA 93101

Application Fee: $50 (effective July 1, 2010)

DATE OF REQUEST:	8/31/2015
APPLICANT:	Eric Goodall
ADJACENT OWNER NAME: (IF DIFFERENT THAN APPLICANT):	City of Santa Barbara
MAILING/EMAIL ADDRESS:	Egoodall@SantaBarbaraCA.gov
DAYTIME PHONE:	805-897-2664
TREE LOCATION (Address):	One at 411 S Milpas Street Two at 415 S Milpas Street
TREE SPECIES:	Cajeput and Yucca Trees
REASON FOR REMOVAL:	New sidewalk and ramp installation that conflict with the location of existing trees regardless of sidewalk location within public right of way.

PROVIDE THE FOLLOWING SUPPLEMENTAL INFORMATION

- Property owner letter, indicating reasons for removal. Also include whether:
  - The removal application is associated with new development or redevelopment of property
  - Status of development application, including whether the project is scheduled for review by the Single Family Design Board, Architectural Board of Review or Historic Landmarks Commission
  - The tree is a designated Specimen or Historic Tree
- Photo of tree(s) proposed for removal
- Development plan/Landscape plan

Property Owner Letter

The Lower Milpas Pedestrian Improvement Project will develop the previously undeveloped public right of way along Milpas Street and Calle Puerto Vallarta. The Project involves filling missing links of sidewalk along Milpas Street from Cabrillo Boulevard north to the State Highway 101 on/off ramp, and along Calle Puerto Vallarta from Milpas Street east to Por La Mar Drive. In addition to the sidewalk installation, there will be five curb ramps installed, all of which will be constructed at intersections that currently do not have any ramps. The proposed sidewalk section along Milpas Street is a six-foot curb-side walk separated from the curb by a 5.5ft parkway per the pedestrian master plan. The trees that have been identified in this request for removal are located such that they are in direct conflict with the proposed location of sidewalk installation.

Please refer to drawings for exact locations of trees for removal.

Regarding the installation of new trees to replace those removed, new trees will be installed in the new parkway along the entire east side of Milpas Street as spacing and sight distance requirements allow. Please refer to drawing for exact proposed locations of new trees along Milpas Street.

The Project is scheduled to be presented to the Architectural Board of Review mid November, 2015. The aforementioned trees are not designated Specimen or Historic Trees.

CONSTRUCTION NOTES

CONCRETE CONSTRUCTION:

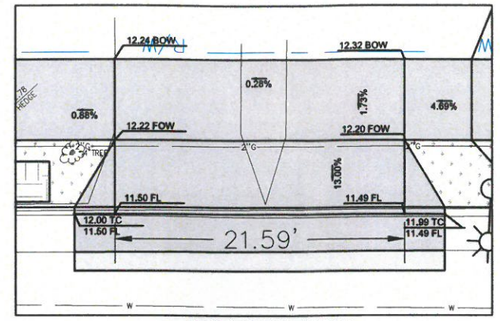
1. CONSTRUCT 4" CONCRETE SIDEWALK PER CITY STANDARD DETAIL H-06.1
2. CONSTRUCT PORTLAND CEMENT CONCRETE CURB AND GUTTER PER CITY STANDARD DETAIL H-02.0
3. CONSTRUCT CONCRETE RESIDENTIAL DRIVEWAY PER CITY STANDARD DETAIL H-03.0
4. CONSTRUCT CONCRETE COMMERCIAL DRIVEWAY PER CITY STANDARD DETAIL H-03.1
5. CONSTRUCT STANDARD ACCESS RAMP PER CITY STANDARD DETAIL H-07.1
6. CONSTRUCT STANDARD ACCESS RAMP PER CITY STANDARD DETAIL H-07.2
7. CONSTRUCT STANDARD ACCESS RAMP PER CITY STANDARD DETAIL H-07.3
8. CONSTRUCT ASPHALT CONCRETE CONFORM
9. INSTALL NEW WHEEL STOP
10. PRESERVE & PROTECT IN PLACE
11. MEET & MATCH EXISTING STRUCTURE
12. CONSTRUCT PEDESTRIAN CHANALIZATION DEVICES PER METROLINK STANDARD DETAIL 4017
13. INSTALL VERTICAL CURB MEDIAN PER DETAIL A/C5
14. CONSTRUCT PORTLAND CONCRETE SPANDREL
15. CONSTRUCT RETAINING WALL: 3FT MAX HEIGHT
16. SUPPLY AND INSTALL 3 X #12 AWG XHHW, 1200LF.
17. SUPPLY AND INSTALL 2" SCH. 40 PVC CONDUIT AT A DEPTH BETWEEN 18" - 24"
18. SUPPLY AND INSTALL CALTRANS #6 PULL BOX
19. INSTALL TYPE C CITY STANDARD LIGHT PER DETAIL F/C4
20. ADJUST BOX, FRAME, OR COVER TO GRADE
21. THRU 30 NOT USED

STREET TREES & LANDSCAPE:

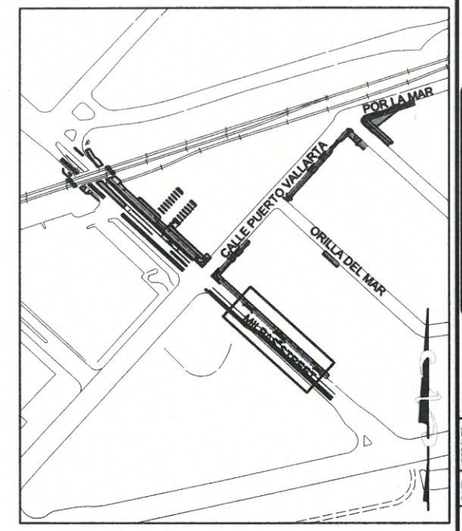
31. INSTALL ROOT BARRIER. IF ROOTS ARE ENCOUNTERED, NOTIFY CITY URBAN FOREST SUPERINTENDENT (805) 564-5433 BEFORE PRUNING
32. FILL AND GRADE TOPSOIL TO GRADE SHOWN ON PLAN
33. PRESERVE AND PROTECT EXISTING TREE
34. CONSTRUCT BIO-RETENTION BASIN
35. THRU 40 NOT USED

LEGEND

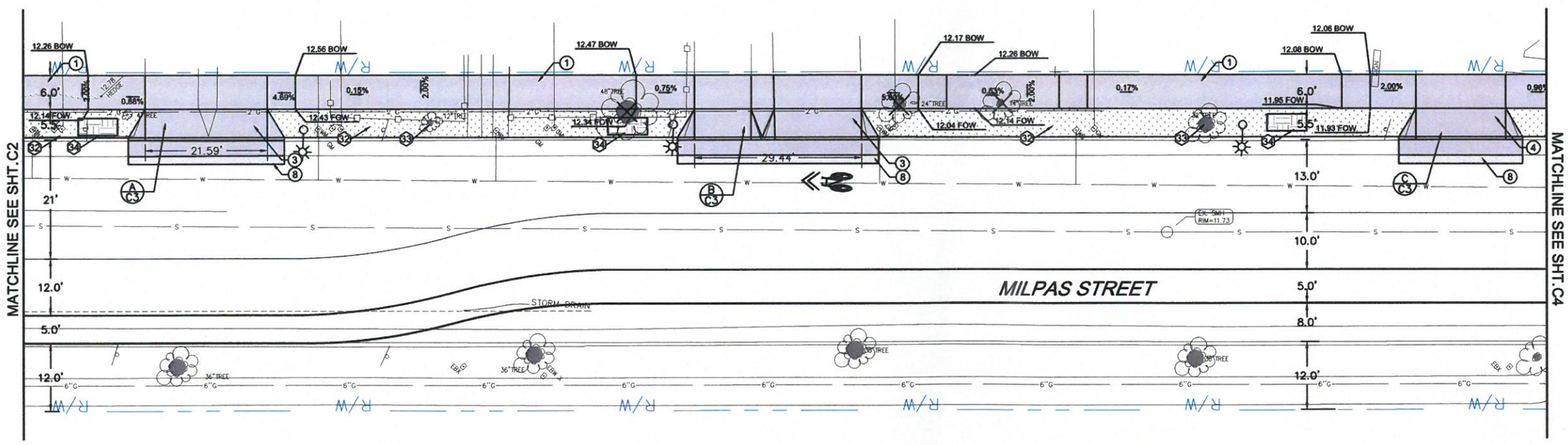
- CONCRETE CONSTRUCTION
- CONSTRUCT ASPHALT CONCRETE
- LANDSCAPE PARKWAY
- CONSTRUCT RAIN GARDEN/BIO-RETENTION BASIN
- INSTALL COBBLE IN MEDIAN
- EXISTING TREE
- NEW TREE



A DRIVEWAY DETAIL
SCALE: 1" = 5'



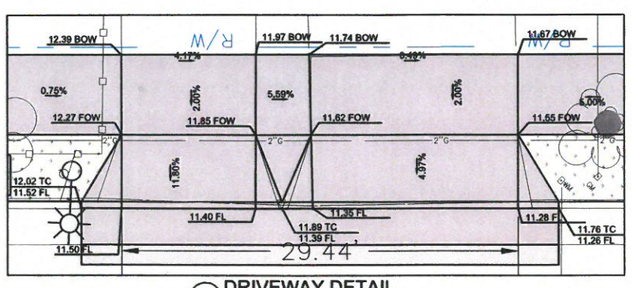
VICINITY MAP



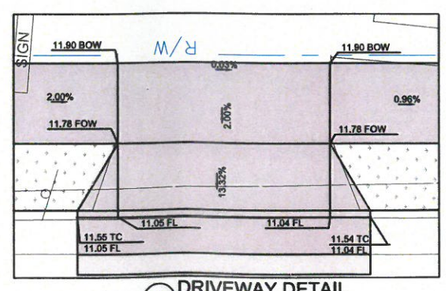
PROPERTY LINES ARE APPROXIMATE

811 Know what's below. Call before you dig.

SCALE: 1"=10'



B DRIVEWAY DETAIL
SCALE: 1" = 5'



C DRIVEWAY DETAIL
SCALE: 1" = 5'

PROJECT ENGINEER _____ DATE _____

PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

APPROVED: _____ DATE _____
CITY ENGINEER
ORIGINAL SIGNED DATE _____

DESIGN EG
DRAWN EG
CHECKED –

30 % DRAFT

NO.	REVISIONS	DATE	APPROVED

LOWER MILPAS PEDESTRIAN IMPROVEMENT PROJECT

MILPAS STREET
SOUTH OF CALLE PUERTO VALLARTA

2015-01490 PBW. NO.	
3747 BID NO.	C3 SHT. DES.
C-1-4779 DWG. NO.	
SHT. 4 OF 11	

T:\Projects – Active\3747 – Lower Milpas Pedestrian Improvement Project\Design\Plans & Specs\14042_Design File – Active.dwg; 1/21/2016 3:55 PM; Goodall, Eric

Parks & Recreation
CITY OF SANTA BARBARA

City of Santa Barbara
FORESTRY DIVISION
STREET TREE REMOVAL REQUEST

ATTACHMENT

February 2016

Date: 1/19/16

Requested by: Gary Gleason

Address: 126 St. Francis Way

Location of Tree: 126 St. Francis Way, Santa Barbara, CA 93105

Tree Species: *Liquidambar styraciflua* **Common Name**: American Sweet Gum

Requested Reason for Removal: Mainly utility and curb. Gutter undermining. See attached.

Current designated Street Tree: Jacaranda mimosifolia, Jacaranda *(1977 Master plan)*

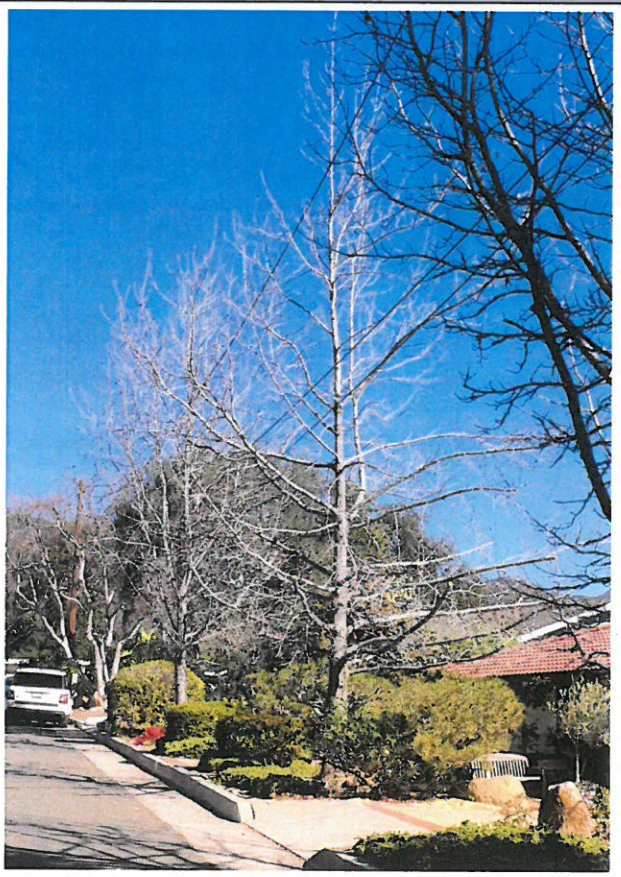
Advisory Committee Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Staff Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Date Posted:

Comments:

PHOTO INVENTORY



CITY OF SANTA BARBARA

JAN 25 2016
PARK & RECREATION
PARKS DIVISION

City of Santa Barbara
Parks and Recreation Department

STREET TREE REMOVAL APPLICATION

Mailing Address:
PO Box 1990
Santa Barbara, CA 93102
(805) 564-5433 FAX (805) 897-2524

Office Address:
402 E. Ortega St.
Santa Barbara, CA 93101

Application Fee: $50 (effective July 1, 2010)

DATE OF REQUEST:	01/19/2016
APPLICANT:	Gary Gleason
ADJACENT OWNER NAME: ***(IF DIFFERENT THAN APPLICANT)***	Carol Bowman
MAILING/EMAIL ADDRESS:	126 St Francis Way Santa Barbara, CA 93105
DAYTIME PHONE:	805 637 5535
TREE LOCATION (*ADDRESS*):	126 St Francis Way Santa Barbara CA 93105
TREE SPECIES (*IF KNOWN*):	Liquidambar
REASON(S) FOR REMOVAL:	Mainly utility and curb.gutter undermining. See attached

PROVIDE THE FOLLOWING SUPPLEMENTAL INFORMATION

1. Property owner letter, indicating reasons for removal. Also include whether:
   a. The removal application is associated with new development or redevelopment of property
   b. Status of development application, including whether the project is scheduled for review by the Single Family Design Board, Architectural Board of Review or Historic Landmarks Commission
   c. The tree is a designated Specimen or Historic Tree
2. Photo of tree(s) proposed for removal
3. Development plan/Landscape plan

Gary Gleason
126 St. Francis Way
Santa Barbara, CA 93105 2554

January 19, 2016

Tim Downey
City of Santa Barbara
Parks and Recreation Department, Street Tree Removal Application
PO Box 1990
Santa Barbara, CA 93102

Dear Mr. Downey:

Two years ago we responded to a request by a neighbor to remove a street tree at our residence. The tree was not the type that the City would allow at this location but the City permitted the tree to remain. The origin of the tree is unknown.

Over the past several years this tree has grown substantially, especially its root system.

Our property is in the high fire zone. The City's fire abatement program has trimmed this tree several times. Southern California Gas and Southern California Edison both maintain underground utility immediately under this tree. The concrete gutter, the concrete driveway apron and concrete curbs are being uplifted. Finally, the tree is reaching through the power lines above.

Therefore to limit any further damage to the street infrastructure and limit any possible damage to the utility service, I am requesting this tree be removed.

There are three of these liquidambars lining the front of the property in the parkway. This application regards the tree in the middle of the property only. The others do not appear to be affecting the utilities or street infrastructure.

Attached please find the application and photos of the subject tree.

Sincerely,

Gary Gleason

CELL 805 637 5535

EMAIL GGLEASON@ME.COM

looking southwest

looking northeast

CELL 805 637 5535

EMAIL GGLEASON@ME.COM

Driveway at apron

Utility box

CELL 805 637 5535

EMAIL GGLEASON@ME.COM

Parks & Recreation
CITY OF SANTA BARBARA

City of Santa Barbara
FORESTRY DIVISION

ATTACHMENT

February 2016

FRONT YARD SET BACK TREE REMOVAL REQUEST

Date: 1/21/16

Requested by: Hilario Aguilar

Address: info@dprsb.com

Location of Tree: 307 N. Alisos St., Santa Barbara, CA 93103

Tree Species: *Araucaria heterophylla* ***Common Name:*** Norfolk Island Pine

Zoning/Setback: R – 2 15' Setback

Reason for Removal: Due to size, tree deemed unsafe/hazard.

Proposed Replacement: *Yes* ☐ *No* ☒

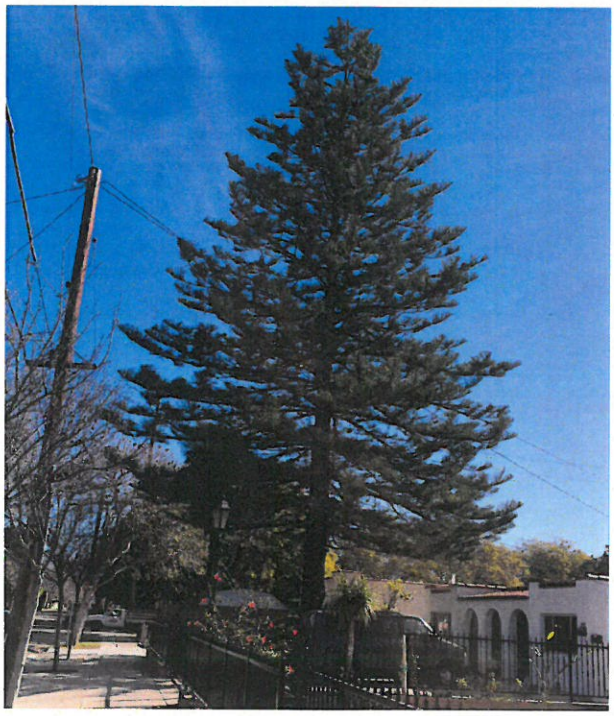
Advisory Committee Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Staff Recommendation: *Approve Removal:* ☐ *Deny Removal:* ☐

Date Posted:

Comments:

PHOTO INVENTORY



City of Santa Barbara
Parks and Recreation Department

SETBACK TREE REMOVAL APPLICATION

PAID

CITY OF SANTA BARBARA
JAN 21 2016
PARK & RECREATION
PARKS DIVISION

Mailing Address:
PO Box 1990
Santa Barbara, CA 93102
(805) 564-5433 FAX (805) 897-2524

Physical Address:
402 E. Ortega St.
Santa Barbara, CA 93101

Application Fee: $50 (effective July 1, 2010)

DATE OF REQUEST:	1/5/2016
APPLICANT:	Hilario Aguilar
OWNER NAME (IF DIFFERENT THAN APPLICANT):	—
MAILING ADDRESS:	608 Grove Ln, SB 93105
DAYTIME PHONE:	(805) 963-1336 business #
LOCATION OF TREE (ADDRESS):	307 N. Alisos st, SB
TREE SPECIES (IF KNOWN):	? Norfolk Island Pine
REASON(S) FOR REMOVAL:	Due to size, tree deemed unsafe/hazard
TREE(S) WILL BE REPLACED: Yes [ ] With:	No [X]

EMAIL: INFO@DPRSB.COM

PROVIDE THE FOLLOWING SUPPLEMENTAL INFORMATION

- Property owner letter, indicating reasons for removal. Also include whether:
  - The removal application is associated with new development or redevelopment of property
  - Status of development application, including whether the project is scheduled for review by the Single Family Design Board, Architectural Board of Review or Historic Landmarks Commission
  - The tree is a designated Specimen or Historic Tree or located on a property with a designated Historic Landmark
- Photo of tree(s) proposed for removal
- Development plan/Landscape plan

Jan 04, 2016

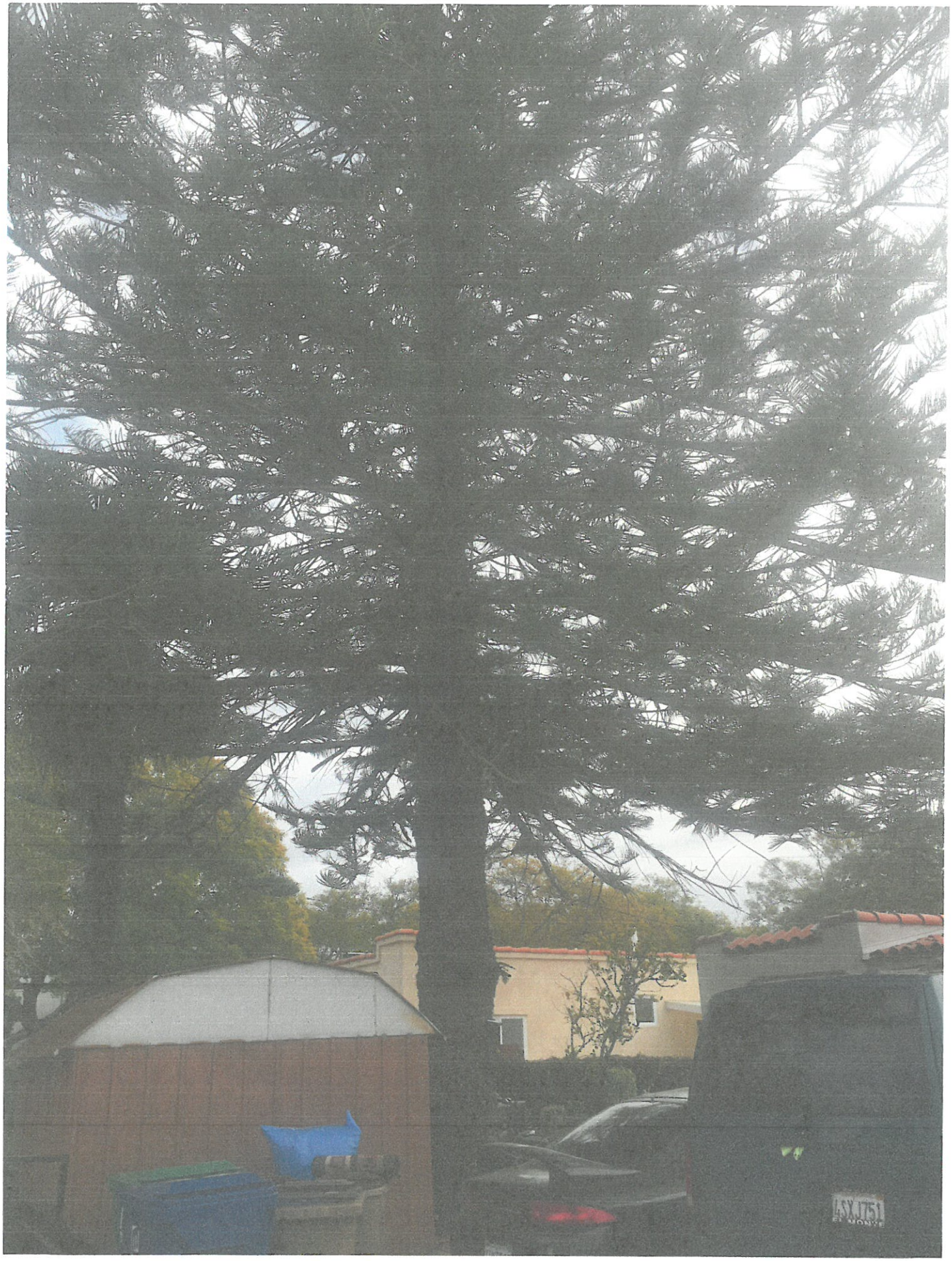
Supplemental Information

Removal permit is being requested by the property owner, Hilario Aguilar. The location of tree: 307 N. Alisos Street, Santa Barbara, CA 93103.

There is no new development or redevelopment at above mentioned address. The tree is not known to be a designated specimen or historic tree.

Due to size and pending El Nino rain, tree is unsafe and deemed a hazard. Owner would like a removal permit to insure safety of tenants.

Hilario Aguilar


4SXJ751

City of Santa Barbara
FORESTRY DIVISION

ATTACHMENT

February 2016

STREET TREE MASTER PLAN SPECIES DESIGNATION CHANGE FOR ADOPTION

Date: 1/22/16

Location: All of Puesta Del Sol

Present Species Designation: *Jacaranda mimosifolia*, Jacaranda *(1977 Master Plan)*

Proposed Change to: *Quercus agrifolia*, Coast Live Oak

Existing Species Profile:

Reasons for Recommended Change: To emphasize the educational and aesthetic qualities of this attractive natural setting and to retain the semi-rural nature of the neighborhood.

PARK COMMISSION ACTION
PHOTO INVENTORY

Change Adopted:

Change Denied:

Date of Action:

VAN ATTA ASSOCIATES INC.

CITY OF SANTA BARBARA

JAN 22 2016

PARK & RECREATION
PARKS DIVISION

January 21, 2016

City of Santa Barbara
Parks and Recreation Department
Attn: Tim Downey, Urban Forest Superintendent
402 E. Ortega Street,
Santa Barbara, CA 93101

Re: Request to replace designated street tree with *Quercus agrifolia / Coast Live Oak* along the proposed street improvement for the Santa Barbara Museum of Natural History at 2559 Puesta Del Sol, Santa Barbara, CA. 93101

Project Development Application Status: Master Plan CUP approved by the City Council, per Resolution No. 15-029 (attached for reference). This approval included public improvements, (pedestrian and right-of-way improvements along the Museum frontage on Puesta del Sol). These improvements are currently under review with the Historic Landmarks Commission under MST2015-00511. The next HLC hearing is scheduled for January 27 2016.

Tree Designation: *Jacaranda mimosifolia* / Jacaranda

Parkway Size: 9' wide

Dear Mr. Downey:

The Santa Barbara Museum of Natural History requests approval to replace the designated street tree along it's Puesta Del Sol frontage with *Quercus agrifolia/Coast Live Oak*.

The Santa Barbara Museum of Natural History is within the Oak and Riparian Woodlands associated with Mission Creek. In keeping with the goals of the Museum to emphasize the educational and aesthetic qualities of this attractive natural setting, we propose to use California Live Oaks. This tree already occurs across the front of the Museum, and planting more will contribute to an overall cohesive landscape.

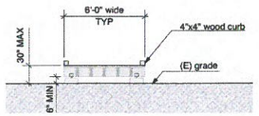
In addition, this selection is the desire of the Mission Canyon Association Board and neighbors to retain the semi-rural nature of the neighborhood. The sensitivity to the neighbors' concerns is also acknowledged by the support the City Planning Commission and the Public Works Department have offered in working with the Museum on a non-traditional pedestrian pathway and on-street parking arrangement as shown in the attached landscaping plans.

The designated tree, Jacaranda, does not offer these benefits. In addition, these trees will be located over parking spaces. A functional reason to change trees is that Jacarandas are well known for covering cars with sticky sap that attracts dirt. Please refer to the enclosed proposed landscaping and planting plans for this area (Sheet L1.1, L 3.1) for additional information.

We appreciate your consideration of this request.

Sincerely,

VAN ATTA ASSOCIATES, Inc.
Guillermo González, ASLA, CLARB, LEED AP BD+C
Senior Associate



3 raised boardwalk scale: 1/4" = 1'-0" section

hardscaping materials

5 Santa Barbara sandstone stepping stones

4 native sandstone cobble

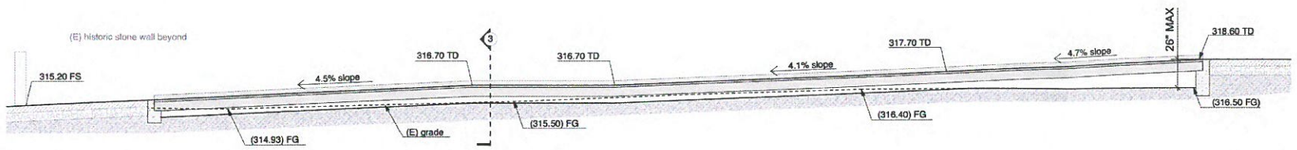
3 tree wells native sandstone boulders

2 deck/boardwalk

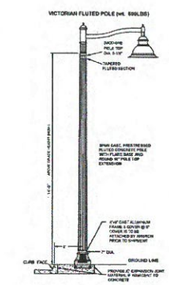
1 faux sandstone curb

legend

- (N) wood fence
- (N) rail & post fence
- existing tree
- proposed tree
- Phase 1 limits of work
- SHEET - 8 / SHEET - 2 match line



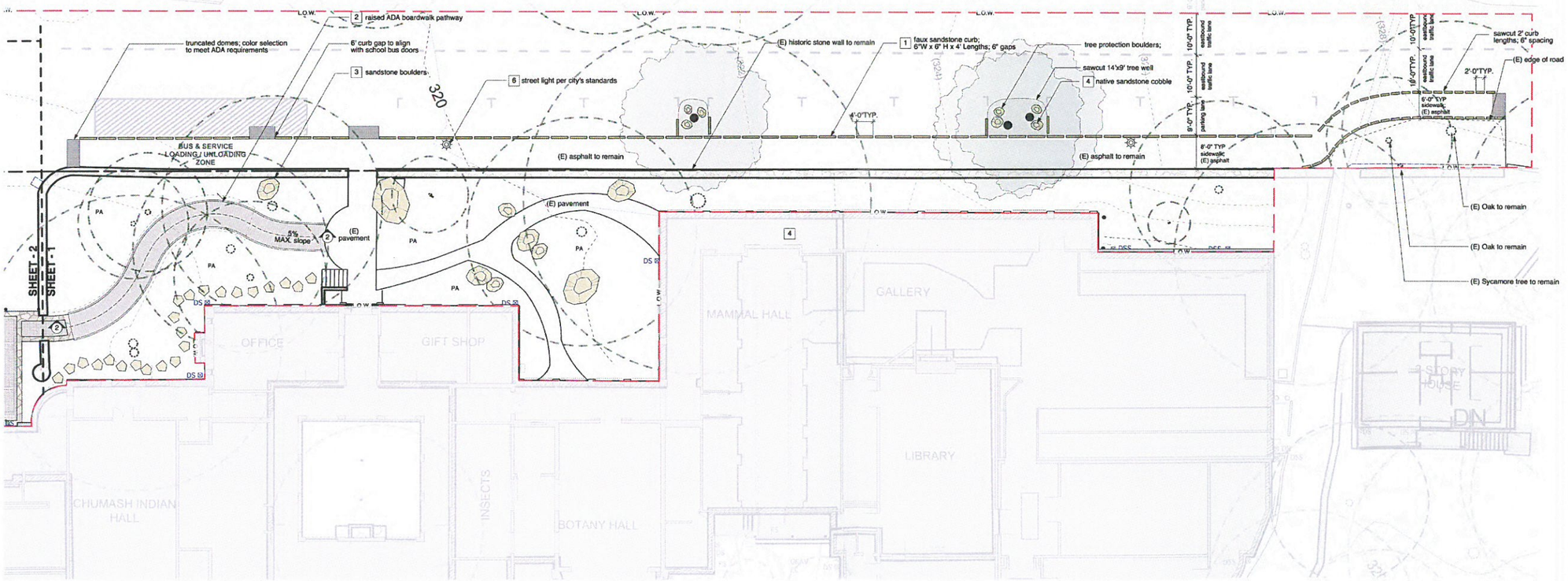
2 raised boardwalk scale: 1/4" = 1'-0" section



6 dome style street light; final location TBD

material legend

symbol	description	detail
	60mm thick permeable decorative unit paver set on permeable base; model Holland Hydro-Flo, custom color # 503018 MANUF. by Pacific Interlock Paving Stone	X L1.9
	boardwalk; recycled composite lumber; MANUF. Trex fire rated ASTM E84 class A or B	X L1.9
	12"x12" modular detectable warning surface tile set on concrete; color TBD. MANUF. by Armor-Tile	X L1.9
	3" thick Santa Barbara sandstone sleeping stones set on mortar; size MIN 12" - MAX 18"; shape natural MIN. five sides	X L1.9
	3-6" Santa Barbara sandstone cobble	X L1.9
	EPV compliant street light; final location TBD	X L1.9
	14"H x 6"W faux sandstone curb; 6" above grade with 8" below grade (per city specification)	X L1.9



1 puesta del sol site plan

schacht | aslani architects
901 Fifth Ave
Suite 2720
Seattle, WA 98164
tel (206) 443-3448, fax (206) 443-3471
www.saarch.com

VAN ATTA Associates, Inc.
landscape architecture + planning
235 Palm Ave., Santa Barbara CA. 93101
Tel. 805.730.7444

SANTA BARBARA MUSEUM OF NATURAL HISTORY

2559 Puesta Del Sol
Santa Barbara, CA

Principal	SVA
Project Manager	GG
Drawn By	WB
Reviewed By	Checker
Job No.	15-20

Revisions:

No.	Date	By

NOT FOR CONSTRUCTION

JANUARY 2016

Design Development

PARTIAL HARDSCAPE PLAN

L1.1

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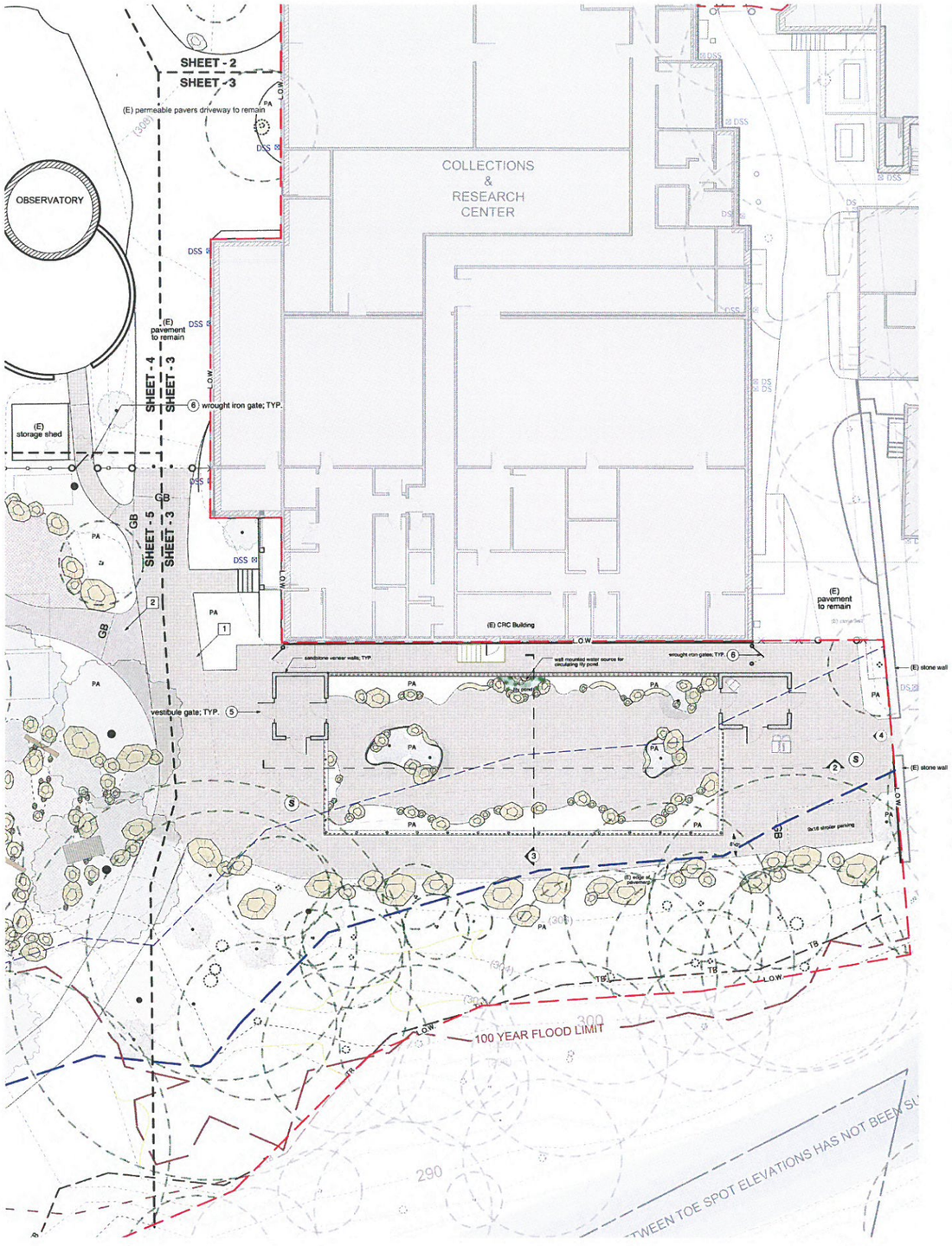
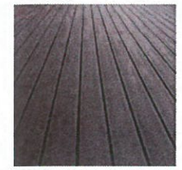


1 buttefly garden site plan

0 10 20 FT
scale: 1" = 10'-0"

hardscaping materials



2 deck/boardwalk

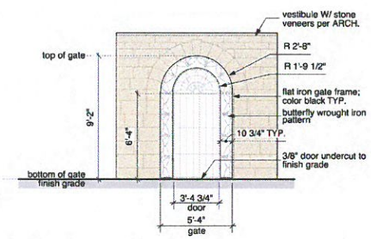
1 permeable decorative unit paver

legend

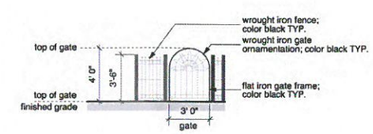
- (N) wood fence
- (N) rail & post fence
- existing tree
- proposed tree
- Phase 1 limits of work
- SHEET - 8 / SHEET - 2 match line

material legend

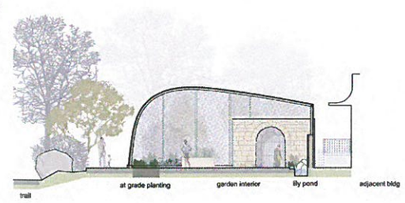
symbol	description	detail
	60mm thick permeable decorative unit paver set on permeable base; model Holland Hydro-Flo, custom color # 503018 MANUF. by Pacific Interlock Paving Stone	x / L1.9
	boardwalk; recycled composite lumber; MANUF. Trex fire rated ASTM E84 class A or B	x / L1.9
	engineered wood fiber	x / L1.9
	native site sandstone boulders; size varies	x / L1.9



5 butterfly garden - vestibule gates 1/4" = 1'-0" elevation

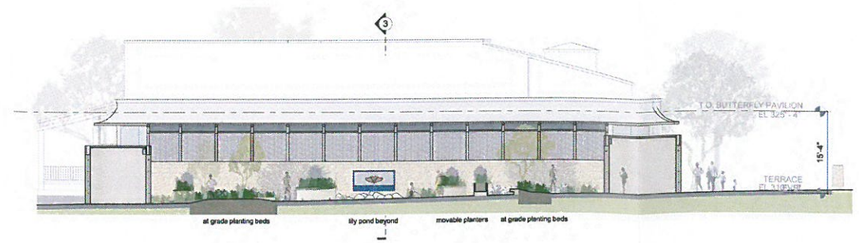


6 black wrought iron gate & fence 1/4" = 1'-0" elevation



3 butterfly garden - north-south section scale: 1" = 10'-0" section

4 butterfly garden - east elevation scale: 1" = 10'-0" section



2 butterfly garden - east-west section scale: 1" = 10'-0" section

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Principal	SVA
Project Manager	GG
Drawn By	WB
Reviewed By	Checker
Job No.	15-20

Revisions:

No.	Date	By

NOT FOR CONSTRUCTION

JANUARY 2016

Design Development

PARTIAL HARDSCAPE PLAN

L1.3

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