City of Marina



Wednesday, May 26, 2021

City of Marina
211 HILLCREST AVENUE
MARINA, CA 93933
831-884-1212; FAX 831-384-0425
www.cityofmarina.org

6:00 pm Open Session

AGENDA

REGULAR MEETING

HILLTOP PARK AD HOC COMMITTEE

Marina City Council Chambers 211 Hillcrest Avenue Marina, CA

Zoom Meeting URL: https://us02web.zoom.us/j/86197332148?pwd=a0xQdVM4YnVOYktodS9HYVNxbVJIZz09

Zoom Meeting Telephone Only Participation: 1-669-900-9128 - Webinar ID: 861 9733 2148
Passcode: park

In response to Governor Newsom's Executive Order N.29-20 and City Council Resolution 2020-29 ratifying the Proclamation of a Local Emergency by the City Manager/Director of Emergency Services related to the COVID-19 (coronavirus) pandemic, public participation in the City of Marina City Council and other public meetings shall be electronic only and without a physical location for public participation, until further notice in compliance with California state guidelines on social distancing.

PARTICIPATION

You may participate in the City Council meeting in real-time by calling Zoom Meeting via the weblink and phone number provided at the top of this agenda. Instructions on how to access, view and participate in remote meetings are provided by visiting the City's home page at https://cityofmarina.org/. Attendees can make oral comments during the meeting by using the "Raise Your Hand" feature in the webinar or by pressing *9 on your telephone keypad if joining by phone only. If you are unable to participate in real-time, you may email to marina.org with the subject line "Public Comment Item#__" (insert the item number relevant to your comment) or "Public Comment – Non Agenda Item." Comments will be reviewed and distributed before the meeting if received by 5:00 p.m. on the day of the meeting. All comments received will become part of the record. Council will have the option to modify their action on items based on comments received. For the hearing impaired, the City provides a "Live Transcription" option in the Zoom meeting. To view the Live Transcription, please click on the button title "Live Transcription" at the lower portion of the screen

1. CALL TO ORDER



2. ROLL CALL & ESTABLISHMENT OF QUORUM

3. MOMENT OF SILENCE & PLEDGE OF ALLEGIANCE

4. ACTION ITEMS

Action listed for each Agenda item is that which is brought forth for Ad Hoc Committee consideration and possible action. The Ad Hoc Committee may, at its discretion, take action on any items. The public is invited to approach the podium to provide up to four (4) minutes of public comment.

a. HILLTOP PARK AD HOC COMMITTEE TO RECEIVE A PRESENTATION AND PROVIDE RECOMMENDATIONS TO THE CITY COUNCIL ON TREES, GRASSES, AND SHRUBS, WHICH IS ALL PLANT MATERIAL TO BE INCORPORATED IN THE DEVELOPMENT OF THE HILLTOP PARK AT THE DUNES

5. ADJOURNMENT

CERTIFICATION:

Signature

I, Edna Gomez, Administrative Assistant (Job Title) for the City of Marina, do hereby certify that a copy of the foregoing agenda was posted at Marina City Council Chambers bulletin board, 211 Hillcrest Avenue; City Kiosk at the corner of Del Monte Boulevard and Reservation Road; and Monterey County Free Library Marina Branch at 190 Seaside Circle on or before 6:30 p.m. Friday, May 21, 2021.

May 13, 2021 Item No. <u>4a</u>

Honorable Mayor and Members of the Hilltop Park Ad Hoc Committee

Hilltop Park Ad Hoc Committee Meeting of May 26, 2021

HILLTOP PARK AD HOC COMMITTEE TO RECEIVE A PRESENTATION AND PROVIDE RECOMMENDATIONS TO THE CITY COUNCIL ON TREES, GRASSES, AND SHRUBS, WHICH IS ALL PLANT MATERIAL TO BE INCORPORATED IN THE DEVELOPMENT OF THE HILLTOP PARK AT THE DUNES

REQUEST:

It is requested that the Hilltop Park Ad Hoc Committee receive a presentation and provide recommendations to the City Council on trees, grasses, and shrubs, which is all plant material to be incorporated in the development of the Hilltop Park at The Dunes.

BACKGROUND:

At the regular meeting on May 19, 2020, the City Council adopted Resolution No. 2020-53, approving the amendment to the University Village (now The Dunes on Monterey Bay) Phase 2 Tentative Map. The amendment included conceptual layouts of the City Park within Phase 2 known as Hilltop Park.

The Dunes Specific Plan Community Design Strategy for the Park System Design Concept of Hilltop Park is defined as follows:

This site has significant topography which yields beautiful panoramas from the top of the plateau. This park in proposed to be a passive park with an emphasis on native planting, dunes, sheltered overlooks and seating areas, picnic and barbecue facilities, and a dog park. Trails should follow the site contours to provide access from Eighth and Ninth streets.

On March 11, 2021 the Planning Commission approved a tree removal permit for Phase 2 East of The Dunes on Monterey Bay for the removal of 50 trees, including 18 coast live oak, two (2) Torrey pine, three (3) Monterey pine, four (4) Monterey cypress, and one (1) eucalyptus, together with 22 trees inadvertently removed within Phase 2 East of the Dunes on Monterey Bay Specific Plan Area (see Attachment 1). Many of the inadvertently removed trees were in the area to be developed as Hilltop Park. The permit requires the planting of 144 coast live oak and 60 other species, some of which will be planted in the Hilltop Park pending recommendations from the Ad Hoc Committee. The reminder of the required tree plantings will be outside of the Hilltop Park.

Several reports were prepared by a certified arborist to support the tree removal permitting process. These include the December 4, 2019 Tree Survey Results for The Dunes on Monterey Bay Project-Phase 2 (Attachment 2), the March 19, 2020 Tree Removal Application for The Dunes on Monterey Bay Project-Phase 2 University Villages East (Attachment 3), and the December 16, 2020 Arborist Report to Obtain a Supplemental Tree Removal Permit for the Dunes on Monterey Bay Project, Phase 2 East-Evaluation Area 3 (Attachment 4). The reports are being provided for background information. The December 16, 2020 Arborist Report to Obtain a Supplemental Tree Removal Permit for the Dunes on Monterey Bay Project, Phase 2 East-Evaluation Area 3 includes Figure 2 which depicts the location and species of trees that were removed on the site of the future Hilltop Park.

At the regular meeting on April 20, 2021, the City Council received a presentation and approve the concept plan for Hilltop Park at The Dunes (see Attachment 5). As part of the approval, City Council directed that an Ad Hoc Committee be formed to provide input on trees, grasses, and shrubs, and all

plant material to be incorporated in the development of the Hilltop Park. The Ad Hoc Committee is to be formed with the Mayor, Dr. Fred Watson, along with representatives of neighborhood groups with representatives to include the Tree Committee, the Recreation and Cultural Services Commission, Citizens for Sustainable Marina, and the Marina Tree and Garden Club.

Dr. Fred Watson has prepared a web page with information on the history of Hilltop Park which can be accessed at the following link: http://www.cccal.info/proj/usa/ca/cc/FortOrd/HilltopPark/index.htm

ANALYSIS:

Completion of final design of Hilltop Park depends on the final selection of plant material which includes trees, grasses, and shrubs. The Specific Plan calls for and emphasis on native planting. Elements outside of plant material will remain consistent with the conceptual plan for Hilltop Park which was approved by City Council on April 20, 2021. Input for the Ad Hoc Committee will be the last information required to complete the final design and construction plans for the Sea Haven Park.

The Dunes development team for the park, including the landscape architect and the arborist, will be available at the meeting to make a presentation and answer questions.

CONCLUSION:

The Ad Hoc Committee recommendations on trees, grasses, and shrubs, which is all plant material to be incorporated in the development of the Hilltop Park at The Dunes will be instrumental in completing the development of the park. Recommendations will be presented to the City Council for final consideration at a future City Council meeting.

Brian McMinn, P.E., P.L.S.

Public Works Director/City Engineer

City of Marina

REVIEWED/CONCUR:

Layne P. Long City Manager

City of Marina

ATTACHMENT 1



Applicant/Owner:

Marina Community Partners 110 Tenth Street Marina, CA 93933 93940

STAFF REPORT

Agenda Item #6a Planning Commission March 11, 2021

TO: **Planning Commissioners**

FROM: Christy Hopper, Planning Services Manager

RE: Open a Public Hearing, Take any Testimony from the Public, and Consider Adopting a Resolution approving a Tree Removal Permit for the removal of 50 Trees, includiang 18 coast live oak, two (2) Torrey pine, three (3) Monterey pine, four (4) Monterey cypress, and one (1) eucalyptus, together with 22 trees inadvertently removed within Phase 2 East of the University Villages (Dunes on Monterey Bay) Specific Plan Area, subject to Conditions

SUMMARY OF ISSUES

- Is the proposal consistent with the City General Plan?
- Does the proposal meet the requirements of the University Villages Specific Plan?
- Does the proposal comply with the City Zoning Ordinance and other pertinent regulations?
- Are the environmental concerns appropriately addressed?

ENVIRONMENTAL DETERMINATION

On May 31, 2005, the Marina City Council adopted Resolution No. 2005-127, certifying the final Environmental Impact Report (SCH. No. 2004091167) for the University Villages Specific Plan in accordance with the California Environmental Quality Act and state and local guidelines, certain findings and determinations thereto, adopting a statement of overriding considerations, and adopting a mitigation monitoring and reporting program. The project EIR anticipated and analyzed residential uses at these locations. Therefore, the Planning Division of the City of Marina determined that the project impacts were analyzed and properly mitigated in the University Villages EIR and no further mitigation is required.

ALTERNATIVES

The Planning Commission may:

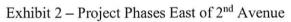
- 1. Approve the application as submitted or as modified with findings and conditions; or,
- 2. Deny the application with findings; or,
- 3. Continue the application with direction to staff and the applicant.

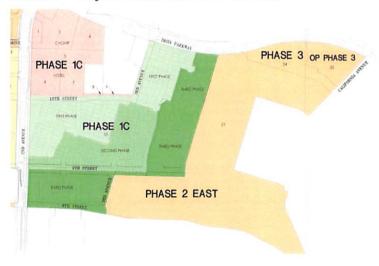
PROJECT LOCATION

The trees that are the subject of this Tree Removal Permit are located within Evaluation Area 3 as delineated in the Arborist Reports prepared by Denise Duffy & Associates Inc., and further illustrated as Phase 2 East of the Dunes on Monterey Bay Specific Plan area (Exhibit 2) shown below.



Exhibit 1 - Evaluation Area 3





BACKGROUND

In addition to approving the final EIR on May 31, 2005, the Marina City Council approved the University Villages Specific Plan (UVSP) together with a Tentative Subdivision Map for the 358-acre project site, Site and Architectural Design Review for all phases of the residential units within the development, and a Tree Removal Permit for Phase 1 of the Specific Plan.

On July 8, 2005, the City entered into a Development Agreement with Marina Community Partners, LLC (MCP) for the University Villages project. The agreement states that, "As a result of the execution of this Agreement, both Parties can be assured that the Project can proceed without disruption caused by a change in City planning and development policies and requirements, which assurance will thereby reduce the actual or perceived risk of planning, financing and proceeding with construction of the Project and promote the achievement of the private and public objectives of the Project."

In October 2019, Denise Duffy & Associates, Inc. (DD&A) conducted a field inventory of protected trees within portions of Phases 2 and 3 of the project site in three separate evaluation areas, including Evaluation Area 3 shown in Exhibit 1 above. The tree inventory was conducted in accordance with Section 5.9. Existing Tree Removal, Relocation, and Replacement Standards (Tree Standards) of the Specific Plan, Final Environmental Impact Report (FEIR) and Resolution, the project's Mitigation Monitoring and Reporting Program (MMRP), and 2005 Marina Municipal Code (MMC) Chapter 12.04 (Tree Removal, Preservation, and Protection) per MMRP Impact BR-2.2. The methods and results of the field inventory are detailed in the *Tree Survey Results for the Dunes on Monterey Bay Project – Phase 2* (DD&A, 2019).

On December 22, 2021, Marina Community Partners (MCP) submitted a Supplemental Tree Removal Permit Application for 50 trees located on the University Villages Phase 2 East site as described below.

ANALYSIS

The University Villages Specific Plan states that the removal of any tree that was preserved as part of a previous tree removal permit shall require a new application of a tree removal permit. This applies to trees in the public right of way as well as on private lots. Trees that are exempt from this process include those that have died or experienced structural damage to the point that they pose a safety hazard. Those trees may be removed without any additional permit applications.

Compliance with Development Agreement Provisions

State Planning and Land Use law provides that the rules, regulations, and official policies governing permitted uses of the land, governing density, and governing design, improvement, and construction standards and specifications, applicable to development of the property subject to a development agreement, shall be those rules, regulations, and official policies in force at the time of execution of the agreement, unless otherwise provided by the development agreement (GC §65866.a). Therefore, the 2005 provisions of MMC Chapter 12.04 supersede those of the current tree protection ordinance (MMC 17.51) as applied to UVSP development as well as other City policies, regulations and guidelines adopted prior to the approval of the Development Agreement between the City and MCP.

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General Plan Compliance

The Community Design & Development Element of the City's General Plan, in effect in 2005, contains policies that address Environmental Protection and Conservation, including Biological Resources. Policy 4.120 states, "All oak trees shall be replaced and maintained with new trees of the same stock as those found onsite or in the site vicinity according to the following replacement formula: a minimum one-for-one (one replacement tree for each tree removed) where replacement trees are proposed to be the same diameter or greater than those to be removed; a minimum three-to-one (three replacement trees for each tree removed) for replacement trees of lesser diameter than those proposed for removal, unless, as determined by arborist, the site's specific environmental conditions would not sufficiently support a healthy oak habitat. All diameter measurements shall be taken at 4.5 feet from ground level. Replacement trees shall be a mixture of sizes."

Zoning Ordinance Compliance

The Marina Municipal Code (MMC) defines "tree" as any living woody perennial plant having a single stem of six inches or more measured at four and one-half feet above the ground while standing on the high side of the tree, also referred to as diameter at breast height (DBH), or a multi-stemmed plant having an aggregate diameter of ten inches or more measured at DBH, and any living woody perennial plant which was planted in accordance with requirements of an approved compensation plan or was planted as part of a landscaping plan approved by the city. MMC defines "dripline" as the greater of the outermost edge of the tree's canopy, or fifteen times DBH measured from the center point of the tree.

The City's 2005 MMC Chapter 12.04 requires a tree removal permit to remove, damage, or relocate, or cause to be removed, damaged, or relocated any tree on any property within City limits, unless exempted by MMC Sections 12.04.040 or 12.04.050. MMC Section 12.04.030 also prohibits construction activities within the dripline of any tree, unless these activities are conducted in compliance with tree protection guidelines adopted by resolution of the planning commission.

Section 12.04.060.B of the 2005 MMC requires the following finding for tree removal:

"The proximity of the trees to planned streets, residential building pads and other planned infrastructure, conflicts with the approved locations of the construction activities and, therefore, must be removed."

Subsection 12.04.060.D.3 requires the following review process for tree removal requests:

"In the event that the tree removal request is associated with a development proposal, the city manager or designee will refer the development proposals, a written report and recommended mitigation measures and conditions of approval to the site and architectural design review board, the minor subdivision committee or the planning commission, as appropriate, for their approval, denial or conditional approval of the tree removal permit."

The City's Tree Committee typically reviews all tree removal requests for recommendation to Planning Commission. However, due to the restrictions imposed as a result of the COVID-19 pandemic, the Planning Commission has assumed all of the duties of both the Design Review Board and Tree Committee until further notice. The City Manager has referred the applicant's request for the removal of trees to the Planning Commission for consideration.

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MMC Section 12.040.100 provides the framework for mitigation required to unauthorized tree removals and states that "the planting of replacement trees on site or the payment to the city to fund the purchase, planting and maintenance of off-site tree plantings should be in accordance with the tree replacement formula found in Section 12.04.060C (2:1) multiplied by three (6:1) for each tree removed in violation of this chapter."

Compliance with Citywide Design Guidelines and Standards

The City of Marina Design Guidelines and Standards as amended January 2, 2002 addresses Tree Removal as follows:

"The removal of any trees must be in accordance with the terms and conditions of a Tree Removal Permit pursuant to Chapter 12.04, Tree Removal, Preservation and Protection, of the Marina Municipal Code, granted concurrently with other development entitlements pursuant to Section 12.04.060 of said chapter. If it becomes necessary to remove additional trees any time after such approvals, a request for the removal of additional trees shall be considered and acted upon by the review body that acted upon the initial tree removal permit granted for the project unless the City Manager under his/her authority determines that some other individual or review body should act upon such additional request."

Performance Standards include the following:

- Native flora should be given preference over traditional ornamental species when they can perform similar functions in the landscape. In particular, coast live oak (Quercus agrifolia), the only tree native to the city, should be included in landscape plans whenever feasible.
- Native species used in landscaping shall originate from local sources to protect the genetic integrity of those species in natural areas and shall be raised locally. Exceptions may be made when it can be demonstrated that no adverse impacts will occur.

Compliance with University Villages (Dunes on Monterey Bay) Specific Plan

The Specific Plan adopted May 31, 2005 anticipated the removal of trees within the project area and provided policy guidance and measures to mitigate the environmental impacts of such removal. The University Village Specific Plan (UVSP) identifies a 'tree' as Monterey cypress, Monterey pine and Eucalyptus species 6-inches in DBH (Diameter at Breast Height) and above only. In general, the trees located within the University Villages Specific Plan area consist of Monterey cypress, Monterey pine, coast live oak and eucalyptus. The use of the term "trees" in this Specific Plan refers to those species.

All trees within the University Villages Specific Plan area shall be inventoried by a licensed forester or certified arborist. The majority shall be individually rated, while small groups with similar stand characteristics may be rated as a group. Prior to issuance of a tree removal permit, a map showing all numbered trees proposed to remain, be relocated or removed shall be submitted along with a plan delineating replacement trees.

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The Supplemental Arborist Report dated December 16, 2020 (Attachment 2) identified an additional 50 trees, 28 of which are proposed for removal due to conflicts with approved improvements and unknown underground utilities, and 22 that were inadvertently removed by a demolition subcontractor working for Shea Homes. These 22 trees had been planned to remain as part of a naturally vegetated area located in the future Hilltop Park. The Hilltop Park plan will incorporate restoration planting of the damaged area to reestablish the naturally occurring trees and vegetation within the park.

As a result of the grading and fill required in large portions of tree driplines, the 28 trees (excluding six acacia trees per UVSP Standards) proposed for removal include:

- Two (2) Torrey pine (Pinus torreyana) both measuring from 6" DBH;
- Four (4) Monterey cypress (Hesperocyparis macrocarpa, syn. Cupressus macrocarpa) ranging from 6" to 42" DBH;
- Three (3) Monterey pine (Pinus radiata) ranging from 6" to 27" DBH;
- 18 coast live oak (Quercus agrifolia) ranging from 6" to 22" DBH; and
- One (1) eucalyptus species (Eucalyptus sp.), 30" DBH.

22 trees were inadvertently removed during the initial grading of Evaluation Area 3. These trees were not scheduled for removal and no tree removal permit had been obtained. The area where the trees were removed is proposed as a neighborhood park, which was intended to retain a portion of the natural native landscape. Trees removed inadvertently include:

- One (1) Torrey pine tree, 6" DBH;
- Three (3) Monterey cypress trees, (removed prior to data collection);
- Three (3) Monterey pine trees, ranging from 6" to 17" DBH;
- 10 coast live oak, ranging from 6" to 21" DBH, and
- Five (5) eucalyptus species, ranging from 10 to 16" DBH.

Tree Replacement

The provisions of Chapter 12.04 of the 2005 MMC regulate tree removal within the Specific Plan area. The removal of all trees identified as protected in the Specific Plan and determined to be in good or fair condition are required to be replaced at a 2:1 ratio, unless removed without a Tree Removal Permit. In such cases, the recommended ratio is multiplied by a factor of 3 (6:1).

General Plan policy 4.120 specifies that the replacement ratio for coast live oak trees determined to be in good or fair condition The City's General Plan requires the replacement of coast live oak at a ratio of 3:1 if less than the diameter of the tree removed. For trees removed without a permit, the 2005 Tree Ordinance recommends that the replacement ratio be multiplied by a factor of 3 (9:1).

The calculations for trees to be removed and replaced with a Tree Removal Permit are as follows:

• 28 trees to be removed with a permit (minus one eucalyptus) consist of 18 coast live oak (3:1 per General Plan = 54) and 9 other species (2:1 per Chapter 12.04 = 18) shall be replaced with a total 72 replacement trees.

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The calculations for trees removed without a Tree Removal Permit are to be replaced as follows:

• 22 trees removed (minus 5 eucalyptus) consist of 10 coast live oak (3:1 per General Plan = 30 x 3 per Chapter 12.04 = 90) and 7 other species (2:1 = 14 x 3 per Chapter 12.04 = 42) totals 132 replacement trees.

Altogether, 144 coast live oak and 60 other species totaling 204 trees are recommended for replacement.

The project must comply with the mitigation measures and regulatory requirements of the FEIR and MMRP for the Specific Plan, as well as the UVSP Tree Standards, including:

- Pre-construction surveys for active nests shall be conducted by a qualified biologist within 250 feet of proposed construction activities no more than 30 days prior to construction. If active nests are found and the biologist determines that construction activities would adversely affect the nest or cause nest abandonment, then those activities shall be avoided in these areas until the young have fledged, as by the qualified biologist. Once the young have fledged, construction activities may resume in the vicinity and no further mitigation shall be required.
- Prior to removal of large trees, a qualified biologist shall survey the trees for the presence of roosting bats. If special-status bat species are present, the following measures shall be implemented:
 - a. Tree removal should not occur if maternity bat roosts are present (between April 15 and August 1) in the trees to be removed.
 - b. No tree removal should occur within 300 feet of the maternity roost until all of the young bats have fledged, as determined by a qualified biologist.
 - c. If special-status bats are present but there is not an active maternity roost, a Memorandum of Understanding (MOU) with the California Department of Fish and Wildlife (CDFW) should be obtained in order to remove the animals prior to tree removal. Alternate habitat may need to be provided if bats are to be excluded from maternity roosts. A roost with comparable spatial and thermal characteristics should be constructed as directed by a qualified biologist. In the event that adult bats need to be handled and relocated, a qualified biologist shall prepare and implement a relocation plan subject to approval by CDFW that includes relocating all bats found on-site to an alternate suitable habitat. A Mitigation and Monitoring Plan that mitigates for loss of bat roosting habitat should be prepared by a qualified biologist and approved by CDFW prior to tree removal.

Recommendation

Staff recommends that the Planning Commission approve the Tree Removal Permit to allow the removal of 28 trees, with such removal compensated by the replacement planting of 72 comparable specimen trees and an additional 132 comparable specimen trees to compensate for the removal of 22 trees without a Tree Removal Permit, including 10 coast live oaks, in accordance with Policy 4.120 of the Community Design & Development Element of the City's General Plan and the provisions of Chapter 12.04 of the 2005 Municipal Code.

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MOTION

Move to adopt a resolution approving Tree Removal Permit TP 2021-01 to acknowledge the removal of 22 mature trees without a permit in violation of City regulations, to be compensated by the replacement planting of 132 specimen trees, and to allow the removal of an additional 28 mature trees to be compensated by the replacement planting of 72 specimen trees, for a total of 204 specimen trees.

Attachments:

- 1. Draft Resolution with Exhibits
- 2. Tree Removal Application for The Dunes on Monterey Bay Project University Villages Phase 2 East.
- 3. Supplemental Arborist Report prepared by Denise Duffy & Associates, Inc. for The Dunes on Monterey Bay Project, Phase 2 East—Evaluation Area 3, dated December 16, 2020.

RESOLUTION NO. 2021-

A RESOLUTION OF THE CITY OF MARINA PLANNING COMMISSION APPROVING TREE REMOVAL PERMIT TP 2021-01 FOR THE REMOVAL OF 28 TREES FOR RESIDENTIAL DEVELOPMENT AND COMPENSATION FOR THE REMOVAL OF 22 TREES WITHOUT A TREE REMOVAL PERMIT WITHIN PHASE TWO EAST OF THE UNIVERSITY VILLAGES (DUNES ON MONTEREY BAY) SPECIFIC PLAN

WHEREAS, on December 22, 2020, Marina Community Partners (MCP), the Applicant, submitted an application to remove twenty-eight (28) mature trees located within the University Villages (Dunes on Monterey Bay) Specific Plan area; and,

WHEREAS, a Supplemental Arborist Report prepared by Denise Duffy & Associates, Inc. for The Dunes on Monterey Bay Project, Phase 2 East – Evaluation Area 3, dated December 16, 2020 prepared and submitted on behalf of the Applicant, identified another 22 trees that had been removed without a mandatory Tree Removal Permit, and;

WHEREAS, at a special meeting of May 31, 2005, the Marina City Council adopted Resolutions No. 2005-127 through 2005-135 taking the following actions: certifying the final Environmental Impact Report (SCH. No. 2004091167) for the Specific Plan project; approving General Plan map and text amendments; making findings and determinations pursuant to California Water Code Section 10911(c) and California Government Code Section 66473(B)(3); approving the Dunes on Monterey Bay Specific Plan; approving the Tentative Map for the 358 acre project site; approving Site and Architectural Design Review for all phases of the residential units within the development; approving a Tree Removal Permit for Phase 1; finding that the legislative land use approval for the project is consistent with the Fort Ord Reuse Plan; and authorizing execution by the Marina Redevelopment Agency of specified agreements and making required statutory findings and approvals for developing the project within the former Fort Ord Redevelopment Project Area No. 3., and;

WHEREAS, On May 31, 2005, the Marina City Council adopted Resolution No. 2005-127, certifying the final Environmental Impact Report (SCH. No. 2004091167) for the University Villages project in accordance with the California Environmental Quality Act and state and local guidelines, making certain findings and determinations thereto, adopting a statement of overriding considerations, and adopting a mitigation monitoring and reporting program. The project EIR anticipated and analyzed residential uses for these sites. Therefore, the Planning Division of the City of Marina determined that the project impacts were analyzed and properly mitigated in the University Villages EIR and no further mitigation is required; and,

WHEREAS, on March 11, 2021, the Marina Planning Commission conducted a duly noticed public meeting to consider a Tree Removal Permit (TP 2021-01) within the University Villages (Dunes on Monterey Bay) Specific Plan area, considered all public testimony, written and oral, presented at the public meeting, and received and considered the written information and recommendation of the staff report for the March 11, 2021 meeting related to the proposed tree removal.

NOW, THEREFORE BE IT RESOLVED that the Planning Commission of the City of Marina hereby approves Tree Removal Permit TP 2021-01, acknowledging the removal of one (1) Torrey

pine tree, three (3) Monterey cypress trees, three (3) Monterey pine trees, 10 coast live oak, and five (5) eucalyptus trees without a permit in violation of City regulations, to be compensated by the replacement planting of 132 specimen trees, and allowing the removal of two (2) Torrey pine trees, four (4) Monterey cypress trees (Cupressus macrocarpa), three (3) Monterey pine trees (Pinus radiata), 18 coast live oak trees (Quercus agrifolia), and one (1) eucalyptus tree (Eucalyptus sp.), to be replaced by 72 specimen trees, for a total of 204 specimen trees, located within Phase 2 East of the University Villages (Dunes on Monterey Bay) Specific Plan area, subject to the following findings and recommended conditions of approval:

Findings

- 1. <u>Consistency with City Policies and Plans</u> That, as noted within the staff report for the March 11, 2021 Planning Commission meeting, the proposed trees removal is consistent with the policies within the Marina General Plan (October 31, 2000) and the University Villages (Dunes on Monterey Bay) Specific Plan (May 31, 2005).
- 2. <u>Tree Removal</u> that the proximity of the trees to planned streets, residential building pads and other planned infrastructure, conflicts with the approved locations of the construction activities and, therefore, must be removed.

Conditions of Approval

- 1. <u>Substantial Compliance</u> The project shall be accomplished in substantial compliance with the terms of the Tree Removal Permit with the details as specified herein.
- 2. <u>Permits</u> Prior to the issuance of a building permit for first residential unit for Phase II East or prior approval of improvements plan for Phase II East, whichever occurs first, the applicant shall submit to the Planning Office for review and approval a tree compensation plan that shows tree replacement as follows:
 - a. Except for coast live oak trees, all other existing trees in good or fair condition, which are removed shall be replaced on site at a ratio of two replacement trees for each tree removed (2:1). Such trees that were removed without a tree removal permit shall be replaced on site at a ratio of six replacement trees for each tree removed (6:1). The total number of non-oak replacement trees shall be 60 trees.
 - b. Existing coast live oak trees, all other existing trees in good or fair condition, which are removed shall be replaced on site at a ratio of two replacement trees for each tree removed (3:1). Such trees that were removed without a tree removal permit shall be replaced on site at a ratio of nine replacement trees for each tree removed (9:1). The total number of coast-live oak replacement trees shall be 144 trees.
 - c. The minimum size of tree selection is 15-gallon. For trees that will be planted in areas of special interest, such as focal points and neighborhood entries, the minimum size of tree selection is 24" boxed trees.
 - 3. Pre-construction surveys for active nests shall be conducted by a qualified biologist within 250 feet of proposed construction activities no more than 30 days prior to

construction. If active nests are found and the biologist determines that construction activities would adversely affect the nest or cause nest abandonment, then those activities shall be avoided in these areas until the young have fledged, as determined by the qualified biologist. Once the young have fledged, construction activities may resume in the vicinity and no further mitigation measures shall be required.

- 4. Prior to the removal of large trees, a qualified biologist shall survey the trees for presence of roosting bats. If special-status bat species are determined to be present, the following measures shall be implemented.
 - a. Tree removal should not occur if maternity bat roosts are present (between April 15 and August 1) in the trees to be removed.
 - b. No tree removal should occur within 300 feet of the maternity roost until all young bats have fledged, as determined by a qualified biologist.
 - c. If special-status bats are present but there is not an active maternity roost, a Memorandum of Understanding (MOU) with the California Department of Fish and Wildlife (CDFW) should be obtained in order to remove the animals prior to tree removal. Alternate habitat may need to be provided if bats are to be excluded from maternity roosts. A roost with comparable spatial and thermal characteristics should be constructed as directed by a qualified biologist. In the event that adult bats need to be handled and relocated, a qualified biologist shall prepare and implement a relocation plan subject to approval by CDFW that includes relocating all bats found on-site to an alternate suitable habitat. A Mitigation and Monitoring Plan that mitigates for loss of bat roosting habitat should be prepared by a qualified biologist and approved by CDFW prior to tree removal.
- 5. <u>Indemnification</u> The applicant shall agree as a condition of approval of this project to defend, at its sole expense, indemnify and hold harmless from any liability the City and reimburse the City for any expenses incurred resulting from, or in connection with, the approval of the project, including any appeal, claim, suit or legal proceeding. The City may, at its sole discretion, participate in the defense of any such action, but such participation shall not relieve the applicant of its obligations under this condition.

PASSED AND ADOPTED by the Planning Commission of the City of Marina at a regular meeting duly held on the 11th day of March 2021, by the following vote:

AYES, COMMISSIONERS: NOES, COMMISSIONERS: ABSENT, COMMISSIONERS: ABSTAIN, COMMISSIONERS:		
ATTEST:	Chair	
Christy Hopper Planning Services Manager City of Marina		

ATTACHMENT 2



DENISE DUFFY & ASSOCIATES, INC.

PLANNING AND ENVIRONMENTAL CONSULTING

MEMORANDUM

Date: December 4, 2019

To: Doug Yount, Project Director, Marina Community Partners, LLC

From: Erin Harwayne, AICP, Senior Project Manager, DD&A

Patric Krabacher, ISA Certified Arborist 11759, Assistant Environmental Scientist, DD&A

Liz Camilo, Assistant Environmental Scientist, DD&A

RE: Tree Survey Results for The Dunes on Monterey Bay Project – Phase 2

Denise Duffy & Associates, Inc. (DD&A) is contracted to provide environmental consulting services for The Dunes on Monterey Bay Project – Phase 2 (project). To inform the development of project design plans that preserve as many healthy trees as practicable, DD&A conducted a field inventory of protected trees, as defined by the City of Marina (City) and the University Villages Specific Plan (UVSP), within the project site in October 2019. The tree inventory was conducted in accordance with City Municipal Code Chapter 17.51 (Tree Removal, Preservation, and Protection), the UVSP Existing Tree Removal, Relocation, and Replacement Standards, the project's Final Environmental Impact Report (FEIR) and Resolution, and the project's Mitigation Monitoring and Reporting Program (MMRP). A detailed plan defining trees proposed to be removed or retained will follow once project plans are finalized.

METHODS

DD&A biologists, including ISA Certified Arborist Patric Krabacher, conducted tree surveys of the project site on October 4, 9, 10, 11, 14, 16, and 17, 2019. The survey area encompassed the project's construction limits, and included three separate evaluation areas (**Figure 1**). Protected trees (trees that require a tree removal permit from the City and are defined in the UVSP) were inventoried in accordance with FEIR and MMRP Mitigation Measure BR-2.2, as follows:

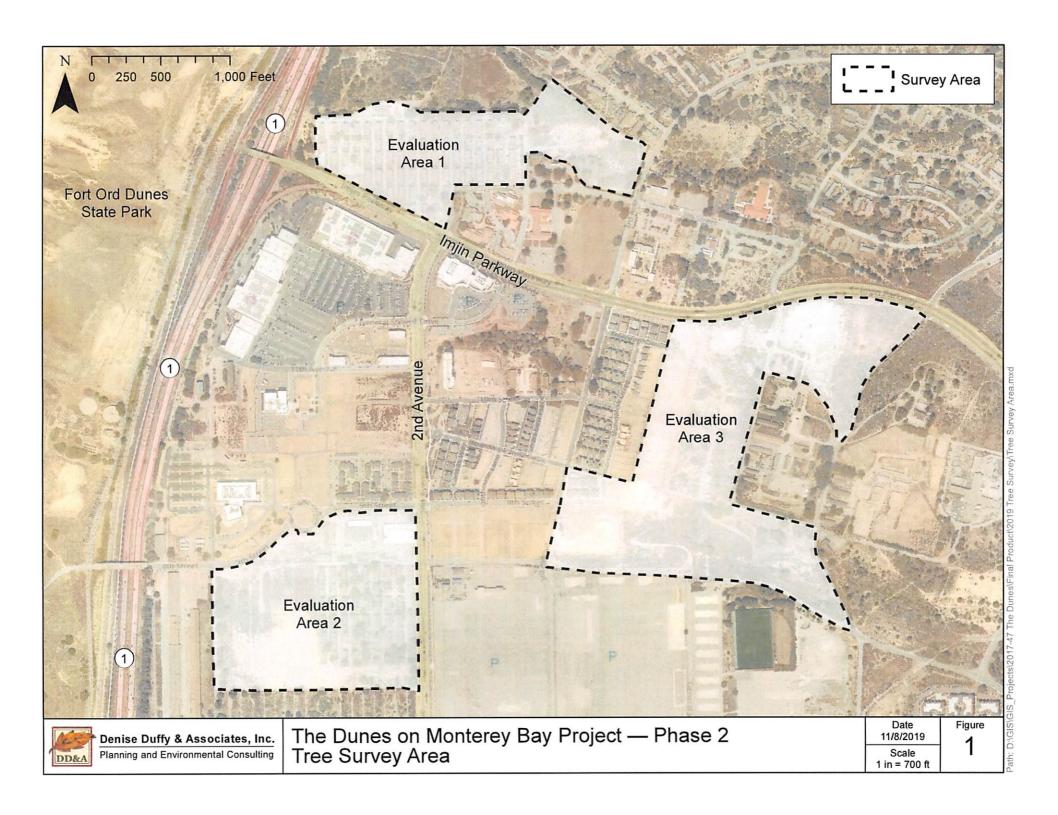
Any tree removal that occurs during the construction phase of the project shall be subject to the conditions in the City of Marina Municipal Code Chapter 12.04 (newer version Chapter 17.51) (Tree Removal and Protection) or the UVSP tree standards and shall be mitigated accordingly.

Regulatory Framework

City of Marina Municipal Code

City of Marina Municipal Code (MMC) Section 17.51.030 requires a tree removal permit to remove, damage, or relocate, or cause to be removed, damaged, or relocated any tree on any property within City limits, unless exempted by MMC Sections 17.51.040 or 17.51.050. MMC Section 17.51.030 also prohibits

¹ Some trees outside the survey area were inventoried because part of their canopy fell within the survey area and could potentially be impacted by construction activities.



construction activities within the dripline of any tree, unless these activities are conducted in compliance with tree protection guidelines adopted by resolution of the planning commission.

MMC defines "Tree" as any living woody perennial plant having a single stem of six inches or more diameter at breast height (DBH) or a multi-stemmed plant having an aggregate diameter of ten inches or more measured at DBH, and any living woody perennial plant which was planted in accordance with requirements of an approved compensation plan or was planted as part of a landscaping plan approved by the city. MMC defines "Dripline" as the greater of the outermost edge of the tree's canopy, or fifteen times DBH measured from the center point of the tree.

UVSP Tree Standards

UVSP Tree Standards call for the preservation of as many healthy Monterey cypress trees and oak trees as practicable. In accordance with the UVSP Tree Standards, Monterey cypress trees and oak trees that are in good or fair condition must be protected during construction and preserved wherever practicable. If relocation is possible, Monterey cypress and oak trees shall be removed by machinery, be immediately replanted at a new site, and be watered and fertilized. Monterey cypress and oak trees in good or fair condition that are removed shall be replaced on-site at a ratio of two replacement trees for every one removed (2:1). UVSP classifies tree health based on the following definitions:

- Good. Tree is healthy and vigorous as indicated by color of foliage and density, has no apparent signs of insect, disease, structural defects or mechanical injury. Tree has good form and structure.
- Fair. Tree is in average condition and vigor for the area, but may show minor insect, disease, or physiological problems. Trees rated as Fair/Poor may be improved with correctional pruning.
- *Poor.* Tree that is in a general state of decline and may show severe structural or mechanical defects which may lead to failure, may have insect or disease damage, but is not dead.
- Dead/Snags. Dead standing trees.

Survey Methods

Trees within the survey area were inventoried in accordance with the following protocol, which was designed to meet the requirements of both MMC Chapter 17.51 and the USVP Tree Standards:

- All trees (including dead snags) 6" DBH or greater were tagged with a GPS location and a numbered aluminum marker (on the most feasible/visible location possible).
- Tree diameter was recorded at breast height (4.5 feet above ground) or (for multi-stemmed trees) at the most representable location.
- Multi-stemmed trees were recorded as one tree if the root crown (the point where the trunk meets natural grade) was contiguous. Multi-stemmed tree DBH was calculated by taking the square root of the squared sum of all stems measured (√[Stem 1 DHB²+ Stem 2 DBH²+ Stem 3 DBH²...]). This equation returns the diameter at the base of the tree (Chojnacky, 1999).
- Species, size, and health class were recorded for each tree.

Tree health was based on the UVSP classification system, and was evaluated by visually inspecting each tree from its root crown to its foliar canopy for signs of decay, disease, or insect infestations, including sudden oak death (SOD), California oakworm, oak branch canker, foamy bark canker, oak ambrosia beetles, oak bark beetles, and *Phytophthora* root and crown rot.

GPS data were collected using a Trimble® TDC600 GPS and were then digitized using Trimble® TerraFlex and ESRI® ArcGIS 10.4. GPS data were collected using geographic coordinate system Universal Transverse Mercator (UTM) Zone 10 North and the World Geodetic System 1984 (WGS84) datum. The Trimble® TDC600 GPS has a GNSS accuracy of 1.5 meters.

RESULTS

Of the 650 trees inventoried within the survey area, approximately 86 percent are in fair condition, eight percent are in poor condition, three percent are in good condition, and three percent are dead snags (**Figure 2a-2c**; **Appendix A**). Trees in fair condition (most of the inventoried trees) are showing signs of decay, disease, and/or insect infestations, including California oakworm, pitch canker, oak branch canker, foamy bark canker, oak ambrosia beetles, oak bark beetles, and *Phytophthora* root and crown rot. No indicators or symptoms of SOD were observed.

DISCUSSION

Final project design plans must incorporate mitigation measures and regulatory requirements of the FEIR and Resolution, the MMRP, MMC Chapter 17.51, and UVSP Tree Standards, as follows:

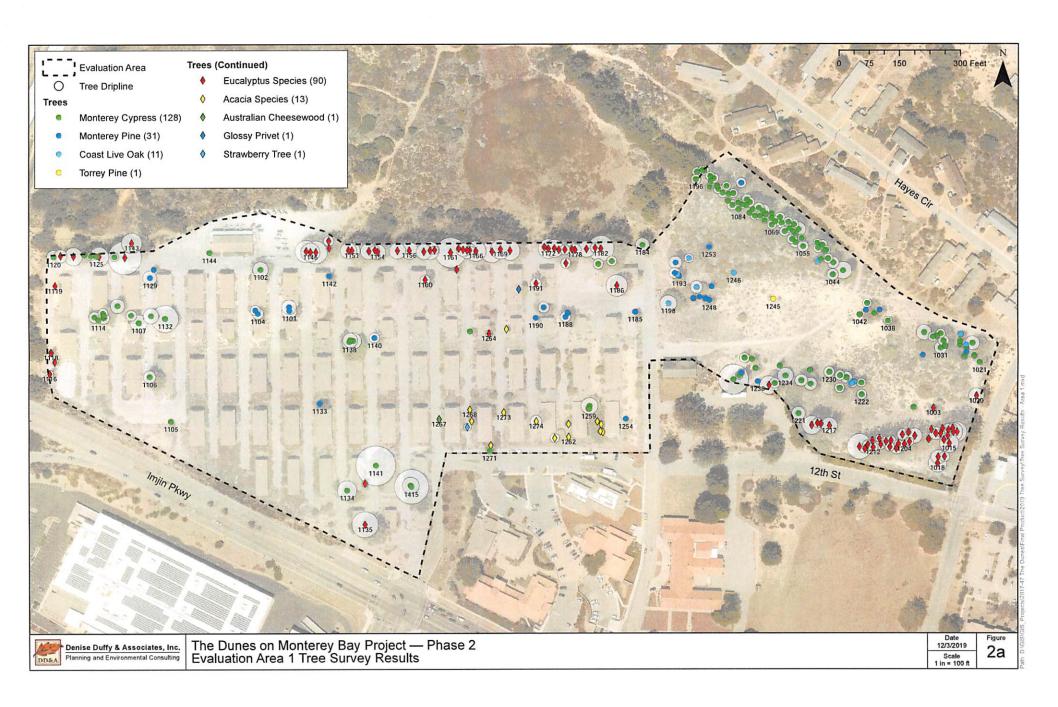
- Monterey cypress trees and oak trees that are in good or fair condition must be protected during construction and preserved wherever practicable.
- If relocation is possible, Monterey cypress and oak trees shall be removed by machinery, be immediately replanted at a new site, and be watered and fertilized.
- Monterey cypress and oak trees in good or fair condition that are removed shall be replaced onsite at a ratio of two replacement trees for every one removed.
- A tree removal permit from the City shall be acquired for any tree that is proposed to be removed, damaged, or relocated, unless exempted by MMC Sections 17.51.040 or 17.51.050.
- If construction activities are proposed within the dripline of any tree, best management practices presented in **Appendix B**, should be implemented to the greatest extent feasible.

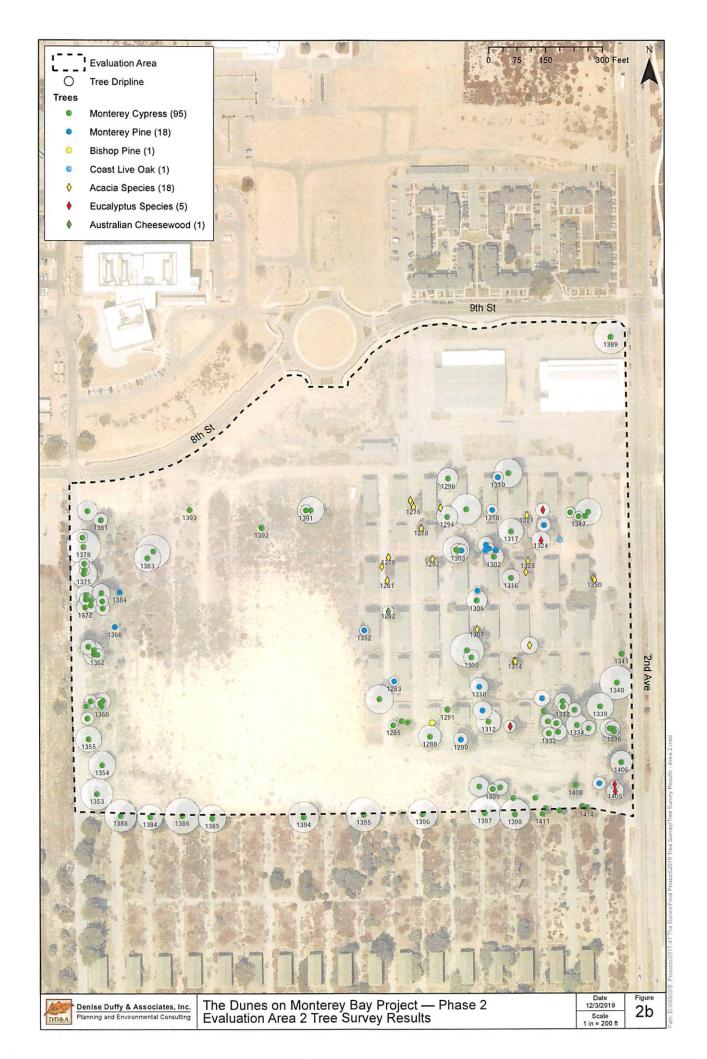
To finalize the tree removal permit application, the final project design plan should include all trees surveyed with a determination of *remain*, *relocate*, or *remove*.

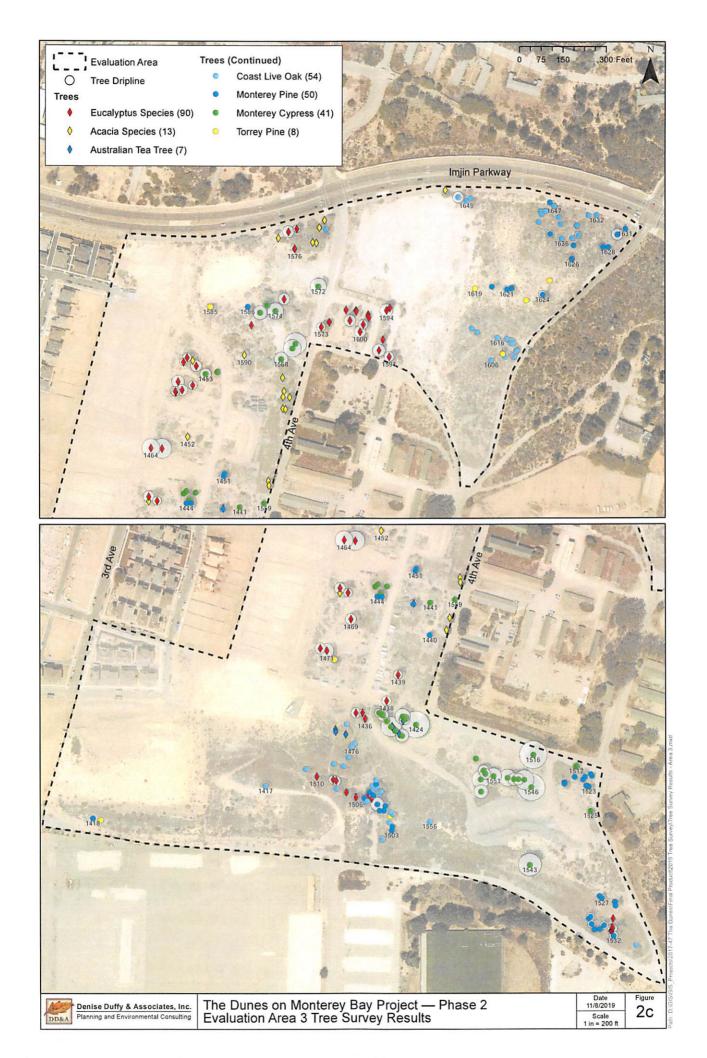
If you have any comments or questions regarding this report, please contact Patric Krabacher at pkrabacher@ddaplanning.com or (831) 373-4341 ext. 29.

REFERENCES

David C. Chojnacky, 1999. Converting Tree Diameter Measured at Root Collar to Diameter at Beast Height.







APPENDIX A

Tree Table

1001	Eucalyptus sp.	P L									
		Eucalyptus	9	8					12	8	Fair
1002	Eucalyptus sp.	Eucalyptus	30						30	19	Fair
1003	Eucalyptus sp.	Eucalyptus	12	6					13	8	Fair
1004	Eucalyptus sp.	Eucalyptus	7	8					11	7	Poor
1005	Eucalyptus sp.	Eucalyptus	12	9					15	9	Poor
1006	Eucalyptus sp.	Eucalyptus	25						25	16	Fair
1007	Eucalyptus sp.	Eucalyptus	16						16	10	Fair
1008	Eucalyptus sp.	Eucalyptus	14						14	9	Fair
1009	Eucalyptus sp.	Eucalyptus	40						40	25	Fair
1010	Eucalyptus sp.	Eucalyptus	39						39	24	Fair
1011	Eucalyptus sp.	Eucalyptus	17						17	11	Fair
1012	Eucalyptus sp.	Eucalyptus	25						25	16	Fair
1013	Eucalyptus sp.	Eucalyptus	15						15	9	Fair
1014	Eucalyptus sp.	Eucalyptus	6						6	4	Fair
1015	Eucalyptus sp.	Eucalyptus	38						38	24	Fair
1016	Eucalyptus sp.	Eucalyptus	28						28	18	Fair
1017	Eucalyptus sp.	Eucalyptus	20						20	13	Fair
1018	Eucalyptus sp.	Eucalyptus	36						36	23	Fair
1019	Pinus radiata	Monterey Pine	8						8	5	Fair
1020	Eucalyptus sp.	Eucalyptus	28	6	6	6			30	19	Fair
1021	Hesperocyparis macrocarpa	Monterey Cypress	6						6	4	Fair
1022	Hesperocyparis macrocarpa	Monterey Cypress	12						12	8	Fair
1023	Hesperocyparis macrocarpa	Monterey Cypress	23	12	10	6			28	18	Fair
1024	Quercus agrifolia	Coast Live Oak	9	9					13	8	Fair
1025	Hesperocyparis macrocarpa	Monterey Cypress	6						6	4	Fair
1026	Hesperocyparis macrocarpa	Monterey Cypress	6	6					8	5	Fair
1027	Quercus agrifolia	Coast Live Oak	6						6	4	Fair
1028	Hesperocyparis macrocarpa	Monterey Cypress	8						8	5	Fair
1029	Pinus radiata	Monterey Pine	6						6	4	Fair
1030	Hesperocyparis macrocarpa	Monterey Cypress	8	8	6	6			14	9	Fair
1031	Hesperocyparis macrocarpa	Monterey Cypress	6	6	8	9	9	18	25	16	Fair
1032	Hesperocyparis macrocarpa	Monterey Cypress	6	6	6	6			12	8	Fair
1033	Hesperocyparis macrocarpa	Monterey Cypress	13	13	12				22	14	Fair
1034	Hesperocyparis macrocarpa	Monterey Cypress	6	7	7	10	11		19	12	Fair
1035	Hesperocyparis macrocarpa	Monterey Cypress	10	8					13	8	Fair

1036 Hesperocyparis macrocarpa Monterey Cypress 10 8 9 9 6 19 12 1037 Hesperocyparis macrocarpa Monterey Cypress 12 10 10 11 13 12 6 8 30 19 1038 Hesperocyparis macrocarpa Monterey Cypress 6 6 12 8 6 18 11 1039 Hesperocyparis macrocarpa Monterey Cypress 10 10 6 1040 Pinus radiata Monterey Pine 10 6 1041 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 13 8 1042 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 13 8 1043 Pinus radiata Monterey Pine 9 6 1044 Hesperocyparis macrocarpa Monterey Cypress 24 15	Health
1038 Hesperocyparis macrocarpa Monterey Cypress 6 6 12 8 6 18 11 1039 Hesperocyparis macrocarpa Monterey Cypress 10 10 6 1040 Pinus radiata Monterey Pine 10 10 6 1041 Hesperocyparis macrocarpa Monterey Cypress 13 11 6 6 6 20 12 1042 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 13 8 1043 Pinus radiata Monterey Pine 9 6 1044 Hesperocyparis macrocarpa Monterey Cypress 24 15	Fair
Hesperocyparis macrocarpa Monterey Cypress 10 Pinus radiata Monterey Pine 10 Hesperocyparis macrocarpa Monterey Cypress 13 11 6 6 6 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 Honterey Pine 9 Hesperocyparis macrocarpa Monterey Cypress 24 Hesperocyparis macrocarpa Monterey Cypress 24	Fair
1040 Pinus radiata Monterey Pine 10 10 6 1041 Hesperocyparis macrocarpa Monterey Cypress 13 11 6 6 6 20 12 1042 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 13 8 1043 Pinus radiata Monterey Pine 9 9 6 1044 Hesperocyparis macrocarpa Monterey Cypress 24 24 15	Fair
1041 Hesperocyparis macrocarpa Monterey Cypress 13 11 6 6 6 20 12 1042 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 13 8 1043 Pinus radiata Monterey Pine 9 6 1044 Hesperocyparis macrocarpa Monterey Cypress 24 24 15	Fair
1042 Hesperocyparis macrocarpa Monterey Cypress 6 8 9 13 8 1043 Pinus radiata Monterey Pine 9 9 6 1044 Hesperocyparis macrocarpa Monterey Cypress 24 24 15	Fair
1043 Pinus radiata Monterey Pine 9 9 6 1044 Hesperocyparis macrocarpa Monterey Cypress 24 24 15	Fair
1044 Hesperocyparis macrocarpa Monterey Cypress 24 24 15	Fair
, , , , , , , , , , , , , , , , , ,	Fair
	Fair
1045 Hesperocyparis macrocarpa Monterey Cypress 33 10 34 22	Fair
1046 Hesperocyparis macrocarpa Monterey Cypress 24 24 15	Fair
1047 Hesperocyparis macrocarpa Monterey Cypress 21 21 13	Fair
1048 Quercus agrifolia Coast Live Oak 9 10 6 8 17 10	Fair
1049 Hesperocyparis macrocarpa Monterey Cypress 8 9 7 7 1 16 10	Fair
1050 Hesperocyparis macrocarpa Monterey Cypress 17 17 11	Fair
1051 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9	Fair
1052 Hesperocyparis macrocarpa Monterey Cypress 20 20 13	Fair
1053 Hesperocyparis macrocarpa Monterey Cypress 20 20 13	Fair
1054 Hesperocyparis macrocarpa Monterey Cypress 18 18 11	Fair
1055 Hesperocyparis macrocarpa Monterey Cypress 6 6 8 17 8 22 14	Fair
1056 Hesperocyparis macrocarpa Monterey Cypress 10 6 6 8 15 10	Fair
1057 Hesperocyparis macrocarpa Monterey Cypress 18 15 23 15	Fair
1058 Hesperocyparis macrocarpa Monterey Cypress 20 8 22 13	Fair
1059 Hesperocyparis macrocarpa Monterey Cypress 16 16 10	Fair
1060 Hesperocyparis macrocarpa Monterey Cypress 28 28 18	Fair
1061 Hesperocyparis macrocarpa Monterey Cypress 13 13 13 18 11	Fair
1062 Hesperocyparis macrocarpa Monterey Cypress 20 20 13	Fair
1063 Hesperocyparis macrocarpa Monterey Cypress 19 19 12	Fair
1064 Hesperocyparis macrocarpa Monterey Cypress 18 18 11	Fair
1065 Hesperocyparis macrocarpa Monterey Cypress 20 20 13	Fair
1066 Hesperocyparis macrocarpa Monterey Cypress 20 10 22 14	Fair
1067 Hesperocyparis macrocarpa Monterey Cypress 20 20 13	Fair
1068 Hesperocyparis macrocarpa Monterey Cypress 6 6 4	Fair
1069 Hesperocyparis macrocarpa Monterey Cypress 19 19 12	Fair
1070 Hesperocyparis macrocarpa Monterey Cypress 20 20 13	Fair

Tree ID	Scientific Name	Common Name		·	Indivi	dual Sten	n DBH (in)	Total DBH (in)	Dripline (ft)	Health
1071	Hesperocyparis macrocarpa	Monterey Cypress	6						6	4	Fair
1072	Hesperocyparis macrocarpa	Monterey Cypress	13	9					16	10	Fair
1073	Hesperocyparis macrocarpa	Monterey Cypress	12						12	8	Fair
1074	Hesperocyparis macrocarpa	Monterey Cypress	16	6					17	11	Fair
1075	Hesperocyparis macrocarpa	Monterey Cypress	14	12	6	17	8	6	28	17	Fair
1076	Hesperocyparis macrocarpa	Monterey Cypress	23						23	14	Fair
1077	Hesperocyparis macrocarpa	Monterey Cypress	11	15					19	12	Fair
1078	Hesperocyparis macrocarpa	Monterey Cypress	7						7	4	Fair
1079	Hesperocyparis macrocarpa	Monterey Cypress	11						11	7	Fair
1080	Hesperocyparis macrocarpa	Monterey Cypress	21						21	13	Fair
1081	Hesperocyparis macrocarpa	Monterey Cypress	8	6					10	6	Fair
1082	Hesperocyparis macrocarpa	Monterey Cypress	23						23	14	Fair
1083	Pinus radiata	Monterey Pine	21						21	13	Fair
1084	Hesperocyparis macrocarpa	Monterey Cypress	10						10	6	Fair
1085	Hesperocyparis macrocarpa	Monterey Cypress	18						18	11	Fair
1086	Hesperocyparis macrocarpa	Monterey Cypress	16						16	10	Fair
1087	Hesperocyparis macrocarpa	Monterey Cypress	21						21	13	Fair
1088	Hesperocyparis macrocarpa	Monterey Cypress	13						13	8	Fair
1089	Hesperocyparis macrocarpa	Monterey Cypress	17	8	6				20	12	Fair
1090	Hesperocyparis macrocarpa	Monterey Cypress	20						20	13	Fair
1091	Hesperocyparis macrocarpa	Monterey Cypress	17	6	8				20	12	Fair
1092	Hesperocyparis macrocarpa	Monterey Cypress	10	12	13	6			21	13	Fair
1093	Hesperocyparis macrocarpa	Monterey Cypress	12	13	6	6			20	12	Fair
1094	Hesperocyparis macrocarpa	Monterey Cypress	12	10					16	10	Fair
1095	Hesperocyparis macrocarpa	Monterey Cypress	12	6					13	8	Fair
1096	Hesperocyparis macrocarpa	Monterey Cypress	20						20	13	Fair
1097	Hesperocyparis macrocarpa	Monterey Cypress	8						8	5	Fair
1098	Hesperocyparis macrocarpa	Monterey Cypress	14	14					20	12	Fair
1099	Hesperocyparis macrocarpa	Monterey Cypress	20						20	13	Fair
1100	Hesperocyparis macrocarpa	Monterey Cypress	18						18	11	Fair
1101	Pinus radiata	Monterey Pine	28						28	18	Fair
1101	Pinus radiata	Monterey Pine	30						30	19	Fair
1102	Hesperocyparis macrocarpa	Monterey Cypress	32						32	20	Fair
1103	Pinus radiata	Monterey Pine	12	12	12				21	13	Fair
1104	Pinus radiata	Monterey Pine	24						24	15	Fair

1105 Hesperocyparis macrocarpa Monterey Cypress 6 4 4 8 5 Fair	Tree ID	Scientific Name	Common Name	REI DAT PI				DBH (in)	Total DBH (in)	Dripline (ft)	Health
1106 Hesperocyparis macrocarpa Monterey Cypress 26 16 Fair 1107 Hesperocyparis macrocarpa Monterey Cypress 35 35 22 Fair 1108 Hesperocyparis macrocarpa Monterey Cypress 29 18 Fair 1109 Hesperocyparis macrocarpa Monterey Cypress 29 29 18 Fair 1110 Hesperocyparis macrocarpa Monterey Cypress 20 20 13 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 20 20 13 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 18 11 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 18 11 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 18 11 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 18 10 11 14 25 15 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 18 10 11 14 25 15 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 18 10 11 14 25 15 Fair 1111 Hesperocyparis macrocarpa Monterey Cypress 15 15 15 15 15 15 15	1105	,	Monterey Cypress	6	4		·		8		Fair
1108 Hesperooparis macrocarpa Monterey Cypress 13 13 11 6 22 14 Fair 1109 Hesperooparis macrocarpa Monterey Cypress 29 29 18 Fair 1111 Hesperooparis macrocarpa Monterey Cypress 20 20 13 Fair 1112 Hesperooparis macrocarpa Monterey Cypress 20 20 13 Fair 1112 Hesperooparis macrocarpa Monterey Cypress 15 15 15 15 26 16 Fair 1114 Hesperooparis macrocarpa Monterey Cypress 18 18 11 Fair 1115 Hesperooparis macrocarpa Monterey Cypress 18 18 11 Fair 1115 Hesperooparis macrocarpa Monterey Cypress 15 15 15 15 15 16 16 Fair 1116 Eucalyptus sp. Eucalyptus 16 16 16 16 17 17 11 11	1106	Hesperocyparis macrocarpa	Monterey Cypress	26					26	16	Fair
1109 Hesperocyparis macrocarpa	1107	Hesperocyparis macrocarpa	Monterey Cypress	35					35	22	Fair
1110	1108	Hesperocyparis macrocarpa	Monterey Cypress	13	13	11	6		22	14	Fair
1111	1109	Hesperocyparis macrocarpa	Monterey Cypress	29					29	18	Fair
Hesperocyparis macrocarpa	1110	Hesperocyparis macrocarpa	Monterey Cypress	10					10	6	Fair
1113 Hesperocyparis macrocarpa	1111	Hesperocyparis macrocarpa	Monterey Cypress	20					20	13	Fair
Hesperocyparis macrocarpa	1112	Hesperocyparis macrocarpa	Monterey Cypress	18					18	11	Fair
1115 Hesperocyparis macrocarpa	1113	Hesperocyparis macrocarpa	Monterey Cypress	15	15	15			26	16	Fair
1116 Eucalyptus sp. Eucalyptus 16 16 10 Fair	1114	Hesperocyparis macrocarpa	Monterey Cypress	8					8	5	Fair
1117 Eucalyptus sp. Eucalyptus 15 15 9 Fair 1118 Eucalyptus sp. Eucalyptus 11 7 Fair 1119 Eucalyptus sp. Eucalyptus 8 8 5 Fair 1120 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1124 Hesperocyparis macrocarpa Monterey Cypress 17 17 11 Fair 1126 Eucalyptus sp. Eucalyptus 20 8 15 15 20 36 23 Fair 1123 Hesperocyparis macrocarpa Monterey Cypress 17 17 11 Fair 1124 Hesperocyparis macrocarpa Monterey Cypress 17 17 11 Fair 1126 Eucalyptus sp. Eucalyptus 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 40 25 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Poo 130 Pinus radiata Monterey Cypress 32 20 24 32 32 32 32 32 33 Fair 1133 Pinus radiata Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 40 25 Goo 40 25 Goo	1115	Hesperocyparis macrocarpa	Monterey Cypress	14	10	11	14		25	15	Fair
1118 Eucalyptus sp. Eucalyptus 11 7 Fair 1119 Eucalyptus sp. Eucalyptus 8 5 Fair 1120 Hesperocyparis macrocarpa Monterey Cypress 29 29 18 Fair 1121 Eucalyptus sp. Eucalyptus 27 27 17 Poo 1122 Eucalyptus sp. Eucalyptus 20 8 15 15 20 36 23 Fair 1123 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1124 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1125 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1129 Pinus radiata Monterey Pine 28 4 27 44 4 28 18 <t< td=""><td>1116</td><td>Eucalyptus sp.</td><td>Eucalyptus</td><td>16</td><td></td><td></td><td></td><td></td><td>16</td><td>10</td><td>Fair</td></t<>	1116	Eucalyptus sp.	Eucalyptus	16					16	10	Fair
1119 Eucalyptus sp. Eucalyptus 8 8 5 Fair	1117	Eucalyptus sp.	Eucalyptus	15					15	9	Fair
1120 Hesperocyparis macrocarpa Monterey Cypress 29 18 Fair	1118	Eucalyptus sp.	Eucalyptus	11					11	7	Fair
1121 Eucalyptus sp. Eucalyptus 27 17 Pool 1122 Eucalyptus sp. Eucalyptus 20 8 15 15 20 36 23 Fair 1123 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1124 Hesperocyparis macrocarpa Monterey Cypress 17 11 Fair 1125 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1126 Eucalyptus sp. Eucalyptus 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 68 42 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Pool 1130 Pinus radiata Monterey Cypress 32 20 24 32 32 32 32 32 32 33 Fair 1133 Pinus radiata Monterey Cypress 32 20 24 32 32 33 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 52 33 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 30 30 30 30 30	1119	Eucalyptus sp.	Eucalyptus	8					8	5	Fair
1122 Eucalyptus sp. Eucalyptus 20 8 15 15 20 36 23 Fair 1123 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1124 Hesperocyparis macrocarpa Monterey Cypress 17 11 Fair 1125 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1126 Eucalyptus sp. Eucalyptus 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 27 44 48 68 42 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Poo 1130 Pinus radiata Monterey Pine 11 11 7 Deac 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 32 32 34 Fair 1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 52 33 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 30 30 30 30 30	1120	Hesperocyparis macrocarpa	Monterey Cypress	29					29	18	Fair
Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1124 Hesperocyparis macrocarpa Monterey Cypress 17 17 11 Fair 1125 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1126 Eucalyptus sp. Eucalyptus 40 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 48 48 42 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Pool 1130 Pinus radiata Monterey Pine 11 17 Deach 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 32 32 34 Fair 1134 Hesperocyparis macrocarpa Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 40 25 Good 1135 Eucalyptus 52 52 33 Fair 1136 Eucalyptus 52 Eucalyptus 52 52 33 Fair 1136 Eucalyptus 52 Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 30 30 30 30 30	1121	Eucalyptus sp.	Eucalyptus	27					27	17	Poor
1124 Hesperocyparis macrocarpa Monterey Cypress 17 11 Fair 1125 Hesperocyparis macrocarpa Monterey Cypress 12 12 8 Fair 1126 Eucalyptus sp. Eucalyptus 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 68 42 Fair 1129 Pinus radiata Monterey Pine 28 18 Poo 1130 Pinus radiata Monterey Pine 11 7 Dead 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 20 Fair 1133 Pinus radiata Monterey Cypress 32 20 24 32 55 34 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair	1122	Eucalyptus sp.	Eucalyptus	20	8	15	15	20	36	23	Fair
1125 Hesperocyparis macrocarpa Monterey Cypress 12 8 Fair 1126 Eucalyptus sp. Eucalyptus 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 68 42 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Poo 1130 Pinus radiata Monterey Pine 11 7 Deac 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 20 Fair 1132 Hesperocyparis macrocarpa Monterey Pine 15 32 32 34 Fair 1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Goor 1135 Eucalyptus sp. Eucalyptus 52 52 33 Fair 1136 <td< td=""><td>1123</td><td>Hesperocyparis macrocarpa</td><td>Monterey Cypress</td><td>12</td><td></td><td></td><td></td><td></td><td>12</td><td>8</td><td>Fair</td></td<>	1123	Hesperocyparis macrocarpa	Monterey Cypress	12					12	8	Fair
1126 Eucalyptus sp. Eucalyptus 40 25 Fair 1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 68 42 Fair 1129 Pinus radiata Monterey Pine 28 18 Poo 1130 Pinus radiata Monterey Pine 11 7 Dead 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 20 Fair 1132 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 55 34 Fair 1133 Pinus radiata Monterey Cypress 32 20 24 32 55 34 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Goor 1135 Eucalyptus sp. Eucalyptus 52 52	1124	Hesperocyparis macrocarpa	Monterey Cypress	17					17	11	Fair
1127 Hesperocyparis macrocarpa Monterey Cypress 12 7 12 18 11 Fair 1128 Eucalyptus sp. Eucalyptus 44 27 44 68 42 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Poo 1130 Pinus radiata Monterey Pine 11 7 Dead 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 Fair 1132 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 34 Fair 1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress <td>1125</td> <td>Hesperocyparis macrocarpa</td> <td>Monterey Cypress</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td>8</td> <td>Fair</td>	1125	Hesperocyparis macrocarpa	Monterey Cypress	12					12	8	Fair
1128 Eucalyptus sp. Eucalyptus 44 27 44 68 42 Fair 1129 Pinus radiata Monterey Pine 28 28 18 Poo 1130 Pinus radiata Monterey Pine 11 7 Deac 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 20 Fair 1132 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 55 34 Fair 1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 19 Fair 1137 Hesperocyparis macroc	1126	Eucalyptus sp.	Eucalyptus	40					40	25	Fair
1129 Pinus radiata Monterey Pine 28 18 Poo 1130 Pinus radiata Monterey Pine 11 7 Dead 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 Fair 1132 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 55 34 Fair 1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 19 Fair	1127	Hesperocyparis macrocarpa	Monterey Cypress	12	7	12			18	11	Fair
1130 Pinus radiata Monterey Pine 11 7 Dead 1131 Hesperocyparis macrocarpa Monterey Cypress 32 20 Fair 1132 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 55 34 Fair 1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 19 Fair	1128	Eucalyptus sp.	Eucalyptus	44	27	44			68	42	Fair
Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 32 55 34 Fair 1132 Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 55 34 Fair 1133 Pinus radiata Monterey Pine 15 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair	1129	Pinus radiata	Monterey Pine	28					28	18	Poor
Hesperocyparis macrocarpa Monterey Cypress 32 20 24 32 55 34 Fair Pinus radiata Monterey Pine 15 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair	1130	Pinus radiata	Monterey Pine	11					11	7	Dead
1133 Pinus radiata Monterey Pine 15 9 Fair 1134 Hesperocyparis macrocarpa Monterey Cypress 40 25 Good 1135 Eucalyptus sp. Eucalyptus 52 33 Fair 1136 Eucalyptus sp. Eucalyptus 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 19 Fair	1131	Hesperocyparis macrocarpa	Monterey Cypress	32					32	20	Fair
1134Hesperocyparis macrocarpaMonterey Cypress404025Good1135Eucalyptus sp.Eucalyptus5233Fair1136Eucalyptus sp.Eucalyptus12128Fair1137Hesperocyparis macrocarpaMonterey Cypress3019Fair	1132	Hesperocyparis macrocarpa	Monterey Cypress	32	20	24	32		55	34	Fair
1135Eucalyptus sp.Eucalyptus5233Fair1136Eucalyptus sp.Eucalyptus12128Fair1137Hesperocyparis macrocarpaMonterey Cypress303019Fair	1133	Pinus radiata	Monterey Pine	15					15	9	Fair
1136 Eucalyptus sp. Eucalyptus 12 12 8 Fair 1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair	1134	Hesperocyparis macrocarpa	Monterey Cypress	40					40	25	Good
1137 Hesperocyparis macrocarpa Monterey Cypress 30 30 19 Fair	1135	Eucalyptus sp.	Eucalyptus	52					52	33	Fair
	1136	Eucalyptus sp.	Eucalyptus	12					12	8	Fair
1138 Hesperocyparis macrocarpa Monterey Cypress 31 31 19 Fair	1137	Hesperocyparis macrocarpa	Monterey Cypress	30					30	19	Fair
	1138	Hesperocyparis macrocarpa	Monterey Cypress	31						19	Fair
1139 Hesperocyparis macrocarpa Monterey Cypress 34 34 21 Fair	1139	Hesperocyparis macrocarpa	Monterey Cypress	34					34	21	Fair

Tree ID	Scientific Name	Common Name		·	Individual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1140	Pinus radiata	Monterey Pine	21			21	13	Fair
1141	Hesperocyparis macrocarpa	Monterey Cypress	54	42	40	79	50	Fair
1142	Pinus radiata	Monterey Pine	14			14	9	Fair
1143	Eucalyptus sp.	Eucalyptus	32	20	17	41	26	Fair
1144	Hesperocyparis macrocarpa	Monterey Cypress	7			7	4	Fair
1145	Eucalyptus sp.	Eucalyptus	44			44	28	Fair
1146	Eucalyptus sp.	Eucalyptus	38			38	24	Fair
1147	Eucalyptus sp.	Eucalyptus	46			46	29	Fair
1148	Eucalyptus sp.	Eucalyptus	12			12	8	Fair
1149	Eucalyptus sp.	Eucalyptus	19	9		21	13	Fair
1150	Eucalyptus sp.	Eucalyptus	34			34	21	Fair
1151	Eucalyptus sp.	Eucalyptus	34			34	21	Fair
1152	Eucalyptus sp.	Eucalyptus	34			34	21	Fair
1153	Eucalyptus sp.	Eucalyptus	15	14		21	13	Fair
1154	Eucalyptus sp.	Eucalyptus	24	20		31	20	Fair
1155	Eucalyptus sp.	Eucalyptus	33			33	21	Fair
1156	Eucalyptus sp.	Eucalyptus	33	13		35	22	Fair
1157	Eucalyptus sp.	Eucalyptus	32			32	20	Fair
1158	Eucalyptus sp.	Eucalyptus	36			36	23	Fair
1159	Eucalyptus sp.	Eucalyptus	13	13		18	11	Fair
1160	Eucalyptus sp.	Eucalyptus	21			21	13	Fair
1161	Eucalyptus sp.	Eucalyptus	61			61	38	Fair
1162	Eucalyptus sp.	Eucalyptus	10			10	6	Fair
1163	Eucalyptus sp.	Eucalyptus	27			27	17	Fair
1164	Eucalyptus sp.	Eucalyptus	34			34	21	Fair
1165	Eucalyptus sp.	Eucalyptus	19			19	12	Fair
1166	Eucalyptus sp.	Eucalyptus	42			42	26	Fair
1167	Eucalyptus sp.	Eucalyptus	11			11	7	Fair
1168	Eucalyptus sp.	Eucalyptus	41	19		45	28	Fair
1169	Eucalyptus sp.	Eucalyptus	37	13		39	25	Fair
1170	Eucalyptus sp.	Eucalyptus	40			40	25	Fair
1171	Eucalyptus sp.	Eucalyptus	11			11	7	Fair
1172	Eucalyptus sp.	Eucalyptus	40			40	25	Fair
1173	Eucalyptus sp.	Eucalyptus	37			37	23	Fair
1174	Eucalyptus sp.	Eucalyptus	10			10	6	Fair

Tree ID	Scientific Name	Common Name	DAIF			dual Stei			I INCL III	Total DBH (in)	Dripline (ft)	Health
1175	Eucalyptus sp.	Eucalyptus	20				1			20	13	Fair
1176	Eucalyptus sp.	Eucalyptus	12	12	12					21	13	Fair
1177	Eucalyptus sp.	Eucalyptus	24	17						29	18	Fair
1178	Eucalyptus sp.	Eucalyptus	19	18						26	16	Fair
1179	Eucalyptus sp.	Eucalyptus	34							34	21	Fair
1180	Eucalyptus sp.	Eucalyptus	21							21	13	Fair
1181	Hesperocyparis macrocarpa	Monterey Cypress	21							21	13	Fair
1182	Eucalyptus sp.	Eucalyptus	53							53	33	Fair
1183	Hesperocyparis macrocarpa	Monterey Cypress	20							20	13	Fair
1184	Hesperocyparis macrocarpa	Monterey Cypress	28	7	6					29	18	Fair
1185	Pinus radiata	Monterey Pine	11							11	7	Fair
1186	Eucalyptus sp.	Eucalyptus	18	18	20	20	15	15		44	27	Fair
1187	Pinus radiata	Monterey Pine	13							13	8	Dead
1188	Pinus radiata	Monterey Pine	22							22	14	Dead
1189	Pinus radiata	Monterey Pine	20	10						22	14	Fair
1190	Pinus radiata	Monterey Pine	7							7	4	Good
1191	Eucalyptus sp.	Eucalyptus	23							23	14	Fair
1192	Ligustrum lucidum	Glossy Privet	7	7						10	6	Fair
1193	Pinus radiata	Monterey Pine	8							8	5	Poor
1194	Pinus radiata	Monterey Pine	18	18						25	16	Dead
1195	Quercus agrifolia	Coast Live Oak	11	11	10					18	12	Fair
1196	Hesperocyparis macrocarpa	Monterey Cypress	6	8	8	10	10	8	6	22	13	Fair
1197	Hesperocyparis macrocarpa	Monterey Cypress	20							20	13	Fair
1198	Quercus agrifolia	Coast Live Oak	13	13	15	13	13	9	13	34	21	Good
1199	Pinus radiata	Monterey Pine	22							22	14	Fair
1200	Quercus agrifolia	Coast Live Oak	7	8	7					13	8	Fair
1201	Hesperocyparis macrocarpa	Monterey Cypress	9							9	6	Fair
1202	Eucalyptus sp.	Eucalyptus	23							23	14	Fair
1203	Eucalyptus sp.	Eucalyptus	13	12						18	11	Fair
1204	Eucalyptus sp.	Eucalyptus	18							18	11	Fair
1205	Eucalyptus sp.	Eucalyptus	9	10	11					17	11	Fair
1206	Eucalyptus sp.	Eucalyptus	18	15						23	15	Fair
1207	Eucalyptus sp.	Eucalyptus	11	15						19	12	Fair
1208	Eucalyptus sp.	Eucalyptus	17	9						19	12	Fair
1209	Eucalyptus sp.	Eucalyptus	21							21	13	Fair

Tree ID	Scientific Name	Common Name			Individ	dual Sten	n DBH (i	n)		Total DBH (in)	Dripline (ft)	Health
1210	Eucalyptus sp.	Eucalyptus	23							23	14	Fair
1211	Eucalyptus sp.	Eucalyptus	9	14						17	10	Fair
1212	Eucalyptus sp.	Eucalyptus	21							21	13	Fair
1213	Eucalyptus sp.	Eucalyptus	15							15	9	Fair
1214	Eucalyptus sp.	Eucalyptus	20							20	13	Fair
1215	Eucalyptus sp.	Eucalyptus	20							20	13	Fair
1216	Eucalyptus sp.	Eucalyptus	50	9						51	32	Fair
1217	Eucalyptus sp.	Eucalyptus	30	6	13					33	21	Fair
1218	Eucalyptus sp.	Eucalyptus	7	9						11	7	Fair
1219	Eucalyptus sp.	Eucalyptus	21							21	13	Fair
1220	Eucalyptus sp.	Eucalyptus	38							38	24	Fair
1221	Hesperocyparis macrocarpa	Monterey Cypress	20	12	14					27	17	Fair
1222	Hesperocyparis macrocarpa	Monterey Cypress	20							20	13	Good
1223	Hesperocyparis macrocarpa	Monterey Cypress	19							19	12	Fair
1224	Quercus agrifolia	Coast Live Oak	8	8	9	9	9			19	12	Good
1225	Quercus agrifolia	Coast Live Oak	9	8	6					13	8	Fair
1226	Quercus agrifolia	Coast Live Oak	7	7	9	8				16	10	Fair
1227	Hesperocyparis macrocarpa	Monterey Cypress	20	9	6	8				24	15	Fair
1228	Hesperocyparis macrocarpa	Monterey Cypress	17	8	8	6				21	13	Fair
1229	Hesperocyparis macrocarpa	Monterey Cypress	16	6	8	10				21	13	Fair
1230	Hesperocyparis macrocarpa	Monterey Cypress	12	12	12	10				23	14	Fair
1231	Hesperocyparis macrocarpa	Monterey Cypress	7	9						11	7	Fair
1232	Hesperocyparis macrocarpa	Monterey Cypress	27							27	17	Fair
1233	Hesperocyparis macrocarpa	Monterey Cypress	6	7	8	9	9	9	16	25	16	Fair
1234	Hesperocyparis macrocarpa	Monterey Cypress	32							32	20	Fair
1235	Hesperocyparis macrocarpa	Monterey Cypress	9	7						11	7	Fair
1236	Eucalyptus sp.	Eucalyptus	20	20	26					38	24	Fair
1237	Hesperocyparis macrocarpa	Monterey Cypress	23							23	14	Fair
1238	Pinus radiata	Monterey Pine	6							6	4	Fair
1239	Hesperocyparis macrocarpa	Monterey Cypress	7							7	4	Fair
1240	Hesperocyparis macrocarpa	Monterey Cypress	8							8	5	Fair
1241	Hesperocyparis macrocarpa	Monterey Cypress	20							20	13	Fair
1242	Pinus radiata	Monterey Pine	15							15	9	Fair
1243	Hesperocyparis macrocarpa	Monterey Cypress	16							16	10	Fair
1244	Hesperocyparis macrocarpa	Monterey Cypress	54	16	16	14				60	38	Fair

Tree ID	Scientific Name	Common Name			Individ	dual Ste	m DBH (in)	Total DBH (in)	Dripline (ft)	Health
1245	Pinus torreyana	Torrey Pine	8					8	5	Fair
1246	Quercus agrifolia	Coast Live Oak	9					. 9	6	Fair
1247	Pinus radiata	Monterey Pine	10					10	6	Fair
1248	Pinus radiata	Monterey Pine	6					6	4	Dead
1249	Pinus radiata	Monterey Pine	12	9				15	9	Fair
1250	Pinus radiata	Monterey Pine	7					7	4	Dead
1251	Pinus radiata	Monterey Pine	12					12	8	Fair
1252	Quercus agrifolia	Coast Live Oak	14	16	10	8	6	26	16	Fair
1253	Pinus radiata	Monterey Pine	14					14	9	Fair
1254	Pinus radiata	Monterey Pine	6					6	4	Good
1255	Acacia sp.	Acacia	9	8				12	8	Fair
1256	Acacia sp.	Acacia	6					6	4	Fair
1257	Acacia sp.	Acacia	8	11				14	9	Fair
1258	Acacia sp.	Acacia	10					10	6	Fair
1259	Hesperocyparis macrocarpa	Monterey Cypress	13					13	8	Fair
1260	Hesperocyparis macrocarpa	Monterey Cypress	33					33	21	Fair
1261	Acacia sp.	Acacia	11	6				13	8	Fair
1262	Acacia sp.	Acacia	6					6	4	Fair
1263	Acacia sp.	Acacia	7	13	13			20	12	Fair
1264	Eucalyptus sp.	Eucalyptus	11	10				15	9	Fair
1265	Acacia sp.	Acacia	7					7	4	Fair
1266	Hesperocyparis macrocarpa	Monterey Cypress	9					9	6	Poor
1267	Pittosporum undulatum	Australian Cheesewood	10					10	6	Poor
1268	Acacia sp.	Acacia	6					6	4	Fair
1269	Acacia sp.	Acacia	8					8	5	Fair
1270	Arbutus unedo	Strawberry Tree	9	13				16	10	Fair
1271	Hesperocyparis macrocarpa	Monterey Cypress	16					16	10	Fair
1272	Acacia sp.	Acacia	7					7	4	Fair
1273	Acacia sp.	Acacia	8					8	5	Fair
1274	Acacia sp.	Acacia	24					24	15	Fair
1415	Hesperocyparis macrocarpa	Monterey Cypress	53	44				69	43	Fair
1416	Hesperocyparis macrocarpa	Monterey Cypress	34					34	21	Fair

Tree ID	Scientific Name	Common Name			Indiv	idua	l Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1275	Acacia sp.	Acacia	9					9	6	Fair
1276	Acacia sp.	Acacia	8	6				10	6	Fair
1277	Acacia sp.	Acacia	6					6	4	Fair
1278	Acacia sp.	Acacia	6	6	6	6		12	8	Fair
1279	Acacia sp.	Acacia	9					9	6	Fair
1280	Acacia sp.	Acacia	7					7	4	Fair
1281	Acacia sp.	Acacia	6					6	4	Fair
1282	Pittosporum undulatum	Australian Cheesewood	11	9	12	14		23	15	Fair
1283	Pinus radiata	Monterey Pine	21					21	13	Dead
1284	Hesperocyparis macrocarpa	Monterey Cypress	60					60	38	Fair
1285	Hesperocyparis macrocarpa	Monterey Cypress	12	10	6	8	8	20	13	Poor
1286	Hesperocyparis macrocarpa	Monterey Cypress	8					8	5	Poor
1287	Hesperocyparis macrocarpa	Monterey Cypress	6	6	6			10	6	Poor
1288	Hesperocyparis macrocarpa	Monterey Cypress	48					48	30	Fair
1289	Pinus muricata	Bishop Pine	15					15	9	Fair
1290	Pinus radiata	Monterey Pine	30					30	19	Fair
1291	Hesperocyparis macrocarpa	Monterey Cypress	10	8	6			14	9	Fair
1292	Acacia sp.	Acacia	6	6				8	5	Fair
1293	Hesperocyparis macrocarpa	Monterey Cypress	58					58	36	Fair
1294	Hesperocyparis macrocarpa	Monterey Cypress	47					47	29	Fair
1295	Acacia sp.	Acacia	7					7	4	Fair
1296	Hesperocyparis macrocarpa	Monterey Cypress	45					45	28	Fair
1297	Hesperocyparis macrocarpa	Monterey Cypress	66					66	41	Fair
1298	Pinus radiata	Monterey Pine	33					33	21	Fair
1299	Pinus radiata	Monterey Pine	16					16	10	Poor
1300	Pinus radiata	Monterey Pine	24					24	15	Poor
1301	Pinus radiata	Monterey Pine	14					14	9	Dead
1302	Hesperocyparis macrocarpa	Monterey Cypress	43					43	27	Fair
1303	Hesperocyparis macrocarpa	Monterey Cypress	30					30	19	Fair
1304	Pinus radiata	Monterey Pine	25					25	16	Poor
1305	Pinus radiata	Monterey Pine	18					18	11	Poor
1306	Hesperocyparis macrocarpa	Monterey Cypress	45					45	28	Fair
1307	Acacia sp.	Acacia	15					15	9	Fair
1308	Hesperocyparis macrocarpa	Monterey Cypress	72					72	45	Fair
1309	Hesperocyparis macrocarpa	Monterey Cypress	33					33	21	Fair

Tree ID	Scientific Name	Common Name		1	ndividual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1310	Pinus radiata	Monterey Pine	39			39	24	Fair
1311	Pinus radiata	Monterey Pine	40			40	25	Fair
1312	Hesperocyparis macrocarpa	Monterey Cypress	52			52	33	Fair
1313	Eucalyptus sp.	Eucalyptus	17	20		26	16	Fair
1314	Acacia sp.	Acacia	15			15	9	Fair
1315	Acacia sp.	Acacia	16			16	10	Fair
1316	Hesperocyparis macrocarpa	Monterey Cypress	24	30		38	24	Fair
1317	Hesperocyparis macrocarpa	Monterey Cypress	54			54	34	Fair
1318	Pinus radiata	Monterey Pine	24			24	15	Dead
1319	Pinus radiata	Monterey Pine	24			24	15	Poor
1320	Hesperocyparis macrocarpa	Monterey Cypress	61			61	38	Fair
1321	Acacia sp.	Acacia	6	11	9	15	10	Fair
1322	Eucalyptus sp.	Eucalyptus	30			30	19	Dead
1323	Pinus radiata	Monterey Pine	31			31	19	Poor
1324	Eucalyptus sp.	Eucalyptus	40			40	25	Poor
1325	Acacia sp.	Acacia	6			6	4	Fair
1326	Acacia sp.	Acacia	6	6		8	5	Fair
1327	Acacia sp.	Acacia	37			37	23	Poor
1328	Pinus radiata	Monterey Pine	33			33	21	Dead
1329	Hesperocyparis macrocarpa	Monterey Cypress	12			12	8	Fair
1330	Hesperocyparis macrocarpa	Monterey Cypress	32			32	20	Fair
1331	Hesperocyparis macrocarpa	Monterey Cypress	24			24	15	Fair
1332	Hesperocyparis macrocarpa	Monterey Cypress	26			26	16	Fair
1333	Hesperocyparis macrocarpa	Monterey Cypress	36			36	23	Fair
1334	Hesperocyparis macrocarpa	Monterey Cypress	48			48	30	Fair
1335	Hesperocyparis macrocarpa	Monterey Cypress	32			32	20	Fair
1336	Hesperocyparis macrocarpa	Monterey Cypress	19			19	12	Fair
1337	Hesperocyparis macrocarpa	Monterey Cypress	30	18	13 15	40	25	Fair
1338	Hesperocyparis macrocarpa	Monterey Cypress	32			32	20	Fair
1339	Hesperocyparis macrocarpa	Monterey Cypress	32	40	25	57	36	Fair
1340	Hesperocyparis macrocarpa	Monterey Cypress	72			72	45	Fair
1341	Hesperocyparis macrocarpa	Monterey Cypress	7			7	4	Poor
1342	Hesperocyparis macrocarpa	Monterey Cypress	24			24	15	Fair
1343	Hesperocyparis macrocarpa	Monterey Cypress	35			35	22	Fair
1344	Hesperocyparis macrocarpa	Monterey Cypress	30			30	19	Fair

Tree ID	Scientific Name	Common Name			Indiv	idual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1345	Quercus agrifolia	Coast Live Oak	8	8			11	7	Fair
1346	Hesperocyparis macrocarpa	Monterey Cypress	22				22	14	Dead
1347	Hesperocyparis macrocarpa	Monterey Cypress	10	18			21	13	Fair
1348	Hesperocyparis macrocarpa	Monterey Cypress	11				11	7	Fair
1349	Hesperocyparis macrocarpa	Monterey Cypress	34	36	28	10	58	36	Fair
1350	Acacia sp.	Acacia	8	6			10	6	Fair
1351	Acacia sp.	Acacia	8	8			11	7	Fair
1352	Pinus radiata	Monterey Pine	20				20	13	Fair
1353	Hesperocyparis macrocarpa	Monterey Cypress	69				69	43	Fair
1354	Hesperocyparis macrocarpa	Monterey Cypress	59				59	37	Fair
1355	Hesperocyparis macrocarpa	Monterey Cypress	54				54	34	Fair
1356	Hesperocyparis macrocarpa	Monterey Cypress	25	15			29	18	Fair
1357	Hesperocyparis macrocarpa	Monterey Cypress	18				18	11	Fair
1358	Hesperocyparis macrocarpa	Monterey Cypress	28				28	18	Fair
1359	Hesperocyparis macrocarpa	Monterey Cypress	26				26	16	Fair
1360	Hesperocyparis macrocarpa	Monterey Cypress	13	13			18	11	Fair
1361	Hesperocyparis macrocarpa	Monterey Cypress	33				33	21	Fair
1362	Hesperocyparis macrocarpa	Monterey Cypress	27				27	17	Good
1363	Hesperocyparis macrocarpa	Monterey Cypress	46				46	29	Fair
1364	Hesperocyparis macrocarpa	Monterey Cypress	36				36	23	Fair
1365	Hesperocyparis macrocarpa	Monterey Cypress	33				33	21	Fair
1366	Pinus radiata	Monterey Pine	8				8	5	Good
1367	Hesperocyparis macrocarpa	Monterey Cypress	31				31	19	Poor
1368	Hesperocyparis macrocarpa	Monterey Cypress	26				26	16	Fair
1369	Hesperocyparis macrocarpa	Monterey Cypress	38				38	24	Fair
1370	Hesperocyparis macrocarpa	Monterey Cypress	16				16	10	Poor
1371	Hesperocyparis macrocarpa	Monterey Cypress	32				32	20	Fair
1372	Hesperocyparis macrocarpa	Monterey Cypress	36				36	23	Fair
1373	Hesperocyparis macrocarpa	Monterey Cypress	28				28	18	Fair
1374	Hesperocyparis macrocarpa	Monterey Cypress	43				43	27	Fair
1375	Hesperocyparis macrocarpa	Monterey Cypress	57				57	36	Fair
1376	Hesperocyparis macrocarpa	Monterey Cypress	23				23	14	Fair
1377	Hesperocyparis macrocarpa	Monterey Cypress	22				22	14	Fair
1378	Hesperocyparis macrocarpa	Monterey Cypress	73				73	46	Fair
1379	Hesperocyparis macrocarpa	Monterey Cypress	23				23	14	Fair

Tree ID	Scientific Name	Common Name			Indiv	idua	l Ster	n DB	H (in)		Total DBH (in)	Dripline (ft)	Health
1380	Hesperocyparis macrocarpa	Monterey Cypress	43									43	27	Fair
1381	Hesperocyparis macrocarpa	Monterey Cypress	31									31	19	Fair
1382	Hesperocyparis macrocarpa	Monterey Cypress	70									70	44	Fair
1383	Hesperocyparis macrocarpa	Monterey Cypress	58									58	36	Poor
1384	Hesperocyparis macrocarpa	Monterey Cypress	41	36								55	34	Fair
1384	Pinus radiata	Monterey Pine	6									6	4	Good
1385	Hesperocyparis macrocarpa	Monterey Cypress	59									59	37	Fair
1386	Hesperocyparis macrocarpa	Monterey Cypress	76									76	48	Fair
1388	Hesperocyparis macrocarpa	Monterey Cypress	68									68	43	Fair
1389	Hesperocyparis macrocarpa	Monterey Cypress	72									72	45	Good
1390	Hesperocyparis macrocarpa	Monterey Cypress	24	30	42							57	36	Poor
1391	Hesperocyparis macrocarpa	Monterey Cypress	19	14								24	15	Poor
1392	Hesperocyparis macrocarpa	Monterey Cypress	7									7	4	Fair
1393	Hesperocyparis macrocarpa	Monterey Cypress	6									6	4	Fair
1394	Hesperocyparis macrocarpa	Monterey Cypress	66									66	41	Fair
1395	Hesperocyparis macrocarpa	Monterey Cypress	72									72	45	Fair
1396	Hesperocyparis macrocarpa	Monterey Cypress	64									64	40	Fair
1397	Hesperocyparis macrocarpa	Monterey Cypress	64	25								69	43	Fair
1398	Hesperocyparis macrocarpa	Monterey Cypress	66									66	41	Fair
1399	Hesperocyparis macrocarpa	Monterey Cypress	16	16								23	14	Fair
1400	Hesperocyparis macrocarpa	Monterey Cypress	31	30								43	27	Fair
1401	Hesperocyparis macrocarpa	Monterey Cypress	12	12	11	11	13	15	16			34	21	Fair
1403	Hesperocyparis macrocarpa	Monterey Cypress	8									8	5	Fair
1404	Eucalyptus sp.	Eucalyptus	19									19	12	Fair
1405	Eucalyptus sp.	Eucalyptus	35	8	9							37	23	Fair
1406	Hesperocyparis macrocarpa	Monterey Cypress	20	9	9	10	6	10	11	18	32	48	30	Fair
1407	Pinus radiata	Monterey Pine	28									28	18	Dead
1408	Hesperocyparis macrocarpa	Monterey Cypress	16									16	10	Poor
1409	Hesperocyparis macrocarpa	Monterey Cypress	6									6	4	Good
1410	Hesperocyparis macrocarpa	Monterey Cypress	9									9	6	Good
1411	Hesperocyparis macrocarpa	Monterey Cypress	6	6								8	5	Good
1412	Hesperocyparis macrocarpa	Monterey Cypress	8	6	6							12	7	Good
1413	Hesperocyparis macrocarpa	Monterey Cypress	12									12	8	Good
1414	Hesperocyparis macrocarpa	Monterey Cypress	9									9	6	Good

Monterey Cypress Monterey Cy	Tree ID	Scientific Name	Common Name				•	Individual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1419 Pinus torreyana Torrey Pine 6 4 Fair 1420 Hesperocyparis macrocarpa Monterey Cypress 19 12 Fair 1421 Hesperocyparis macrocarpa Monterey Cypress 43 27 Fair 1422 Hesperocyparis macrocarpa Monterey Cypress 31 31 19 Fair 1423 Leptospermum laevigatum Australian Tea Tree 15 15 21 13 Fair 1424 Hesperocyparis macrocarpa Monterey Cypress 33 16 37 23 Good 1426 Leptospermum laevigatum Australian Tea Tree 16 12 19 12 Fair 1427 Hesperocyparis macrocarpa Monterey Cypress 17 17 19 12 Fair 1428 Leptospermum laevigatum Australian Tea Tree 10 12 17 19 12 Fair 1429 Leptospermum laevigatum Australian Tea Tree 10 12 17 19 19 12 Fair 1430 Hesperocyparis macrocarpa Monterey Cypress 32 30 15 15 26 55 35 Fair 1431 Hesperocyparis macrocarpa Monterey Cypress 21 Monterey Cypress 22 Monterey Cypress 23 Monterey Cypress 24 Monterey Cypress 25 Monterey Cypress 26 Monterey Cypress 27 Monterey Cypress 28 Monterey Cypress 29 Monterey Cypress 20 Monterey Cypress 20 Monterey Cypress 21 Monterey Cypress 22 Monterey Cypress 24 Monterey Cypress 25 Monterey Cypress 26 Monterey Cypress 27 Monterey Cypress 28 Monterey Cypress 29 Monterey Cypress 20 Monterey Cypress 20 Monterey Cypress 20 Monterey Cypress 20 Monterey Cypress 21 Monterey Cypress 22 Monterey Cypress 23 Monterey Cypress 24 Monterey Cypress 25 Monterey Cypress 26 Monterey Cypress 27 Monterey Cypress 28 Monterey Cypress 29 Monterey Cypress 20 Monterey Cypress 20 Monterey Cypress 21 Monterey Cypress 22 Monterey Cypress 23 Monterey Cypress 24 Monterey Cypress 25 Monterey Cypress 26 Monterey Cypress 27 Monterey Cypress 28 Monterey Cypress 29 Monterey Cypress 29 Monterey Cypress 20 Monterey Cypress 20 Monterey Cypress 20 Monterey	1417	Quercus agrifolia	Coast Live Oak	6	10	10			15	10	Fair
Hesperocyparis macrocarpa Monterey Cypress 19	1418	Pinus radiata	Monterey Pine	6	6				8	5	Fair
Hesperooparis macrocarpa Monterey Cypress 31 31 31 31 31 31 31	1419	Pinus torreyana	Torrey Pine	6					6	4	Fair
Hesperocyparis macrocarpa Monterey Cypress 31 19 Fair 1424 Hesperocyparis macrocarpa Monterey Cypress 75 75 75 75 75 75 76 76	1420	Hesperocyparis macrocarpa	Monterey Cypress	19					19	12	Fair
Leptospermum laevigatum	1421	Hesperocyparis macrocarpa	Monterey Cypress	43					43	27	Fair
Hesperocyparis macrocarpa	1422	Hesperocyparis macrocarpa	Monterey Cypress	31					31	19	Fair
Hesperocyparis macrocarpa	1423	Leptospermum laevigatum	Australian Tea Tree	15	15				21	13	Fair
1426 Leptospermum laevigatum	1424	Hesperocyparis macrocarpa	Monterey Cypress	75					75	47	Fair
1427 Hesperocyparis macrocarpa Monterey Cypress 17 11 Fair 1428 Leptospermum laevigatum Australian Tea Tree 10 12 16 10 Dead 1429 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1430 Hesperocyparis macrocarpa Monterey Cypress 32 30 15 15 26 55 35 Fair 1431 Hesperocyparis macrocarpa Monterey Cypress 21 13 Fair 1432 Hesperocyparis macrocarpa Monterey Cypress 22 14 Fair 1433 Hesperocyparis macrocarpa Monterey Cypress 22 22 14 Fair 1434 Hesperocyparis macrocarpa Monterey Cypress 24 22 14 Fair 1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 28 18 Fair 1437 Eucalyptus sp. Eucalyptus	1425	Hesperocyparis macrocarpa	Monterey Cypress	33	16				37	23	Good
1428 Leptospermum laevigatum Australian Tea Tree 10 12 1429 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1430 Hesperocyparis macrocarpa Monterey Cypress 32 30 15 15 26 55 35 Fair 1431 Hesperocyparis macrocarpa Monterey Cypress 21 13 Fair 1432 Hesperocyparis macrocarpa Monterey Cypress 22 2 14 Fair 1433 Hesperocyparis macrocarpa Monterey Cypress 22 2 14 Fair 1434 Hesperocyparis macrocarpa Monterey Cypress 24 15 Fair 1434 Hesperocyparis macrocarpa Monterey Cypress 24 15 Fair 1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 17 Fair	1426	Leptospermum laevigatum	Australian Tea Tree	8	6	12	10		19	12	Fair
1429 Leptospermum laevigatum Australian Tea Tree 6	1427	Hesperocyparis macrocarpa	Monterey Cypress	17					17	11	Fair
Hesperocyparis macrocarpa	1428	Leptospermum laevigatum	Australian Tea Tree	10	12				16	10	Dead
1431 Hesperocyparis macrocarpa Monterey Cypress 21 13 Fair 1432 Hesperocyparis macrocarpa Monterey Cypress 33 21 Good 1433 Hesperocyparis macrocarpa Monterey Cypress 22 14 Fair 1434 Hesperocyparis macrocarpa Monterey Cypress 24 15 Fair 1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 17 11 Poor 1437 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 26 17 Fair 1439 Eucalyptus sp. Eucalyptus 26 17 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 4 Fair 1442 Pinus radiata Monterey Pine 15 9 Fair 1443 Pinus radiata Monterey Cypress 6 6 4 </td <td>1429</td> <td>Leptospermum laevigatum</td> <td>Australian Tea Tree</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td>6</td> <td>4</td> <td>Fair</td>	1429	Leptospermum laevigatum	Australian Tea Tree	6					6	4	Fair
1432 Hesperocyparis macrocarpa Monterey Cypress 33 21 Good 1433 Hesperocyparis macrocarpa Monterey Cypress 22 14 Fair 1434 Hesperocyparis macrocarpa Monterey Cypress 24 15 Fair 1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 17 11 Poor 1437 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 17 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 16 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Cypress 7 7 4 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 21 13 Fair 1443 Pinus radiata Monterey Cypress 6 6 4 Fair	1430	Hesperocyparis macrocarpa	Monterey Cypress	32	30	15	15	26	55	35	Fair
1433 Hesperocyparis macrocarpa Monterey Cypress 22 14 Fair 1434 Hesperocyparis macrocarpa Monterey Cypress 24 15 Fair 1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 17 11 Poor 1437 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 17 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 13 Fair 1444 Pinus radiata Monterey Pine 6 6 8 5 Fair 1445 Pinus radiata Monterey Pine 15 9 Fair 1445 Pinus radiata <td< td=""><td>1431</td><td>Hesperocyparis macrocarpa</td><td>Monterey Cypress</td><td>21</td><td></td><td></td><td></td><td></td><td>21</td><td>13</td><td>Fair</td></td<>	1431	Hesperocyparis macrocarpa	Monterey Cypress	21					21	13	Fair
1434 Hesperocyparis macrocarpa Monterey Cypress 24 15 Fair 1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 17 11 Poor 1437 Eucalyptus sp. Eucalyptus 28 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 17 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 13 Fair 1442 Eucalyptus sp. Eucalyptus 21 21 13 Fair 1443 Pinus radiata Monterey Pine 15 9 Fair 1445 Pinus radiata Monterey Pine 15 9 Fair 1445 Pinus radiata Monterey Cypress 10 10 8 8 6 19 12 Fair 1446 Hesperocyparis macrocarpa Monterey Cypress	1432	Hesperocyparis macrocarpa	Monterey Cypress	33					33	21	Good
1435 Eucalyptus sp. Eucalyptus 20 13 Fair 1436 Eucalyptus sp. Eucalyptus 17 11 Poor 1437 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 26 17 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Pine 6 6 6 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 - - 7 4 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 - <	1433	Hesperocyparis macrocarpa	Monterey Cypress	22					22	14	Fair
1436 Eucalyptus sp. Eucalyptus 17 11 Poor 1437 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 26 17 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 21 13 Fair 1443 Pinus radiata Monterey Pine 6 6 8 5 Fair 1444 Pinus radiata Monterey Pine 15 9 Fair 1445 Pinus radiata Monterey Cypress 6 19 12 Fair 1447 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9 Fair 1449 Hesperocyparis macrocarpa Monterey Cypress 6 13 14	1434	Hesperocyparis macrocarpa	Monterey Cypress	24					24	15	Fair
1437 Eucalyptus sp. Eucalyptus 28 18 Fair 1438 Eucalyptus sp. Eucalyptus 20 11 12 6 26 17 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 13 Fair 1443 Pinus radiata Monterey Pine 15 9 Fair 1444 Pinus radiata Monterey Pine 15 9 Fair 1445 Pinus radiata Monterey Cypress 10 10 8 8 6 19 12 Fair 1446 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9 Fair 1448 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9 Fair 1449 Hesperocyparis macrocarpa Monterey C	1435	Eucalyptus sp.	Eucalyptus	20					20	13	Fair
1438 Eucalyptus sp. Eucalyptus 20 11 12 6 16 Fair 1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 13 Fair 1443 Pinus radiata Monterey Pine 6 6 8 5 Fair 1444 Pinus radiata Monterey Pine 15 9 Fair 1445 Pinus radiata Monterey Pine 14 9 Fair 1446 Hesperocyparis macrocarpa Monterey Cypress 6 19 12 Fair 1447 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9 Fair 1449 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9 Fair	1436	Eucalyptus sp.	Eucalyptus	17					17	11	Poor
1439 Eucalyptus sp. Eucalyptus 26 16 Fair 1440 Pinus radiata Monterey Pine 15 9 Fair 1441 Hesperocyparis macrocarpa Monterey Cypress 7 4 Fair 1442 Eucalyptus sp. Eucalyptus 21 21 13 Fair 1442 Pinus radiata Monterey Pine 6 6 8 5 Fair 1443 Pinus radiata Monterey Pine 15 9 Fair 1444 Pinus radiata Monterey Pine 14 9 Fair 1445 Pinus radiata Monterey Cypress 10 10 8 8 6 19 12 Fair 1446 Hesperocyparis macrocarpa Monterey Cypress 6 4 Fair 1447 Hesperocyparis macrocarpa Monterey Cypress 6 13 14 9 Fair 1449 Hesperocyparis macrocarpa Monterey Cypress 8 5 Fair 1449 Hesperocyparis macrocarpa Monterey Cypress 8 5	1437	Eucalyptus sp.	Eucalyptus	28					28	18	Fair
1440Pinus radiataMonterey Pine159Fair1441Hesperocyparis macrocarpaMonterey Cypress774Fair1442Eucalyptus sp.Eucalyptus212113Fair1443Pinus radiataMonterey Pine6685Fair1444Pinus radiataMonterey Pine159Fair1445Pinus radiataMonterey Pine149Fair1446Hesperocyparis macrocarpaMonterey Cypress10108861912Fair1447Hesperocyparis macrocarpaMonterey Cypress613149Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine212113Poor	1438	Eucalyptus sp.	Eucalyptus	20	11	12	6		26	17	Fair
1441Hesperocyparis macrocarpaMonterey Cypress74Fair1442Eucalyptus sp.Eucalyptus212113Fair1443Pinus radiataMonterey Pine6685Fair1444Pinus radiataMonterey Pine159Fair1445Pinus radiataMonterey Pine14149Fair1446Hesperocyparis macrocarpaMonterey Cypress10108861912Fair1447Hesperocyparis macrocarpaMonterey Cypress613149Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine212113Poor	1439	Eucalyptus sp.	Eucalyptus	26					26	16	Fair
1442Eucalyptus sp.Eucalyptus2113Fair1443Pinus radiataMonterey Pine6685Fair1444Pinus radiataMonterey Pine159Fair1445Pinus radiataMonterey Pine149Fair1446Hesperocyparis macrocarpaMonterey Cypress10108861447Hesperocyparis macrocarpaMonterey Cypress64Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine2113Poor	1440	Pinus radiata	Monterey Pine	15					15	9	Fair
1443Pinus radiataMonterey Pine661444Pinus radiataMonterey Pine15159Fair1445Pinus radiataMonterey Pine14149Fair1446Hesperocyparis macrocarpaMonterey Cypress10108861912Fair1447Hesperocyparis macrocarpaMonterey Cypress64Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine212113Poor	1441	Hesperocyparis macrocarpa	Monterey Cypress	7					7	4	Fair
1444Pinus radiataMonterey Pine15159Fair1445Pinus radiataMonterey Pine14149Fair1446Hesperocyparis macrocarpaMonterey Cypress10108861912Fair1447Hesperocyparis macrocarpaMonterey Cypress64Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress885Fair1450Pinus radiataMonterey Pine212113Poor	1442	Eucalyptus sp.	Eucalyptus	21					21	13	Fair
1445Pinus radiataMonterey Pine14149Fair1446Hesperocyparis macrocarpaMonterey Cypress10108861912Fair1447Hesperocyparis macrocarpaMonterey Cypress64Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine212113Poor	1443	Pinus radiata	Monterey Pine	6	6				8	5	Fair
1446Hesperocyparis macrocarpaMonterey Cypress10108861447Hesperocyparis macrocarpaMonterey Cypress64Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine212113Poor	1444	Pinus radiata	Monterey Pine	15					15	9	Fair
1447Hesperocyparis macrocarpaMonterey Cypress64Fair1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress885Fair1450Pinus radiataMonterey Pine212113Poor	1445	Pinus radiata	Monterey Pine	14					14	9	Fair
1448Hesperocyparis macrocarpaMonterey Cypress613149Fair1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine2113Poor	1446	Hesperocyparis macrocarpa	Monterey Cypress	10	10	8	8	6	19	12	Fair
1449Hesperocyparis macrocarpaMonterey Cypress85Fair1450Pinus radiataMonterey Pine212113Poor	1447	Hesperocyparis macrocarpa	Monterey Cypress	6					6	4	Fair
1450 Pinus radiata Monterey Pine 21 21 13 Poor	1448	Hesperocyparis macrocarpa	Monterey Cypress	6	13				14	9	Fair
	1449	Hesperocyparis macrocarpa	Monterey Cypress	8					8	5	Fair
1450 Quercus agrifolia Coast Live Oak 6 6 8 5 Fair	1450	Pinus radiata	Monterey Pine	21					21	13	Poor
	1450	Quercus agrifolia	Coast Live Oak	6	6				8	5	Fair

Prints radiata	Tree ID	Scientific Name	Common Name				, :		 ividu	al Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
Hesperocyparis macrocarpa Monterey Cypress 16				23									
1453 Hesperocyparis macrocarpa Monterey Cypress 15			•								6	4	Fair
1455 Eucalyptus sp.	1453	•	Monterey Cypress	32							32	20	Fair
1456 Acacia sp. Acacia 8	1454	Hesperocyparis macrocarpa	Monterey Cypress	16							16	10	Fair
1457 Eucalyptus sp. Eucalyptus 16 16 11 25 16 Fair 1458 Eucalyptus sp. Eucalyptus 6 8 8 17 21 13 Fair 1459 Eucalyptus sp. Eucalyptus 30 18 2 2 16 27 17 Fair 1460 Eucalyptus sp. Eucalyptus 22 16 27 17 Fair 1461 Eucalyptus sp. Eucalyptus 22 14 Fair 1462 Eucalyptus sp. Eucalyptus 25 16 Dead 1463 Eucalyptus sp. Eucalyptus 25 16 Dead 1464 Eucalyptus sp. Eucalyptus 25 16 Dead 1465 Eucalyptus sp. Eucalyptus 25 16 Pair 1466 Eucalyptus sp. Eucalyptus 32 20 Pair 1467 Eucalyptus sp. Eucalyptus 32 20	1455	Eucalyptus sp.	Eucalyptus	20	20	10	11				32	20	Fair
1458 Eucalyptus sp. Eucalyptus 30 18 17 21 13 Fair 1459 Eucalyptus sp. Eucalyptus 30 18 35 22 Poor 1460 Eucalyptus sp. Eucalyptus 22 16 32 32 27 17 Fair 1461 Eucalyptus sp. Eucalyptus 32 32 32 33 32 34 34 34	1456	Acacia sp.	Acacia	8							8	5	Fair
1459 Eucalyptus sp. Eucalyptus 30 18	1457	Eucalyptus sp.	Eucalyptus	16	16	11					25	16	Fair
1460	1458	Eucalyptus sp.	Eucalyptus	6	8	8	17				21	13	Fair
1461 Eucalyptus sp. Eucalyptus 22 32 32 32 33 32 32 3	1459	Eucalyptus sp.	Eucalyptus	30	18						35	22	Poor
1462 Eucalyptus sp. Eucalyptus 25 25 16 Dead 1463 Eucalyptus sp. Eucalyptus 25 25 16 Dead 1464 Eucalyptus sp. Eucalyptus 25 25 16 24 8 30 55 34 Fair 1465 Eucalyptus sp. Eucalyptus 25 25 16 24 8 30 55 34 Fair 1466 Eucalyptus sp. Eucalyptus 32 20 Fair 1467 Eucalyptus sp. Eucalyptus 32 20 Fair 1468 Acacia sp. Acacia 6 8 7 7 12 8 Fair 1469 Eucalyptus sp. Eucalyptus 18 14 10 12 6 6 32 20 Fair 1470 Eucalyptus sp. Eucalyptus 30 7 7 7 7 1471 Eucalyptus sp. Eucalyptus 30 7 7 7 7 1472 Pinus torreyana Torrey Pine 20 7 6 7 7 7 7 7 7 7 7	1460	Eucalyptus sp.	Eucalyptus	22	16						27	17	Fair
1463 Eucalyptus sp. Eucalyptus 25 25 16 Deal 1464 Eucalyptus sp. Eucalyptus 32 32 23 32 23 32 35 36 36 37 36 36 37 37 37	1461	Eucalyptus sp.	Eucalyptus	22							22	14	Fair
1464 Eucalyptus sp. Eucalyptus 32 32 23 23 23 24 25 25 16 24 8 30 25 25 34 Fair 1465 Eucalyptus sp. Eucalyptus 25 25 16 24 8 30 25 25 34 Fair 1466 Eucalyptus sp. Eucalyptus 32 25 25 25 25 25 25 25	1462	Eucalyptus sp.	Eucalyptus	32							32	20	Poor
1465 Eucalyptus sp. Eucalyptus 25 25 16 24 8 30 55 34 Fair 1466 Eucalyptus sp. Eucalyptus 25 16 Fair 1467 Eucalyptus sp. Eucalyptus 32 20 Fair 1468 Acacia sp. Acacia 6 8 7 12 8 Fair 1469 Eucalyptus sp. Eucalyptus 30 12 8 Fair 1470 Eucalyptus sp. Eucalyptus 30 19 Poor 1471 Eucalyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 4 Fair 1473 Quercus agrifolia Coast Live Oak 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 8 8 8	1463	Eucalyptus sp.	Eucalyptus	25							25	16	Dead
1466 Eucalyptus sp. Eucalyptus 25 16 Fair 1467 Eucalyptus sp. Eucalyptus 32 20 Fair 1468 Acacia sp. Acacia 6 8 7 12 8 Fair 1469 Eucalyptus sp. Eucalyptus 18 14 10 12 6 6 32 20 Fair 1470 Eucalyptus sp. Eucalyptus 30 19 Poor 1471 Eucalyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 4 Fair 1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 8 8 8 8 8 8 8 8 8	1464	Eucalyptus sp.	Eucalyptus	32	32	23					51	32	Fair
1467 Eucalyptus sp. Eucalyptus 32 20 Fair 1468 Acacia sp. Acacia 6 8 7 12 8 Fair 1469 Eucalyptus sp. Eucalyptus 18 14 14 10 12 6 6 32 20 Fair 1470 Eucalyptus sp. Eucalyptus 30 19 Poor 1471 Eucolyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 4 Fair 1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 8 8 8 8 8 8 8 8 8 8 8 9 11 14 9 Fair	1465	Eucalyptus sp.	Eucalyptus	25	25	16	24	8	30		55	34	Fair
1468 Acacia sp. Acacia 6 8 7 12 8 Fair 1469 Eucalyptus sp. Eucalyptus 18 14 14 10 12 6 6 32 20 Fair 1470 Eucalyptus sp. Eucalyptus 30 19 Poor 1471 Eucalyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 5 5 5 6 4 Pair 1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 6 7 5 7 18 12 Fair 1476 Quercus agrifolia Coast Live Oak 6 7 7 7 7 7	1466	Eucalyptus sp.	Eucalyptus	25							25	16	Fair
1469 Eucalyptus sp. Eucalyptus 18 14 14 10 12 6 6 32 20 Fair 1470 Eucalyptus sp. Eucalyptus 30 19 Poor 1471 Eucalyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 4 Fair 1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 8 8 8 8 6 7 18 12 Fair 1476 Quercus agrifolia Coast Live Oak 6 4 Fair 14 9 Fair 1477 Pinus radiata Monterey Pine 15	1467	Eucalyptus sp.	Eucalyptus	32							32	20	Fair
1470 Eucalyptus sp. Eucalyptus 30 30 19 Poor 1471 Eucalyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 7 6 9 6 Poor 1474 Leptospermum laevigatum Australian Tea Tree 6 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 6 8 8 8 8 8 8 6 7 18 12 Fair 1476 Quercus agrifolia Coast Live Oak 8 8 8 8 8 6 7 18 12 Fair 1477 Quercus agrifolia Coast Live Oak 6 7 14 9 Fair 1478 Quercus agrifolia Coast Live Oak 6 7 7 7 7 7 7 7 7 7	1468	Acacia sp.	Acacia	6	8	7							Fair
1471 Eucalyptus sp. Eucalyptus 26 24 14 11 40 25 Fair 1472 Pinus torreyana Torrey Pine 20 13 Fair 1473 Quercus agrifolia Coast Live Oak 7 6 9 6 Poor 1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 6 4 Fair 1476 Quercus agrifolia Coast Live Oak 8 8 8 6 7 18 12 Fair 1477 Quercus agrifolia Coast Live Oak 6 4 Fair 1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 4 Fair 1483 Quercus agrifolia	1469	Eucalyptus sp.	Eucalyptus	18	14	14	10	12	6	6		20	Fair
1472 Pinus torreyana Torrey Pine 20 20 13 Fair	1470	Eucalyptus sp.	Eucalyptus	30							30	19	Poor
1473 Quercus agrifolia Coast Live Oak 7 6 Poor 1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 6 4 Fair 1476 Quercus agrifolia Coast Live Oak 8 8 8 8 6 7 18 12 Fair 1477 Quercus agrifolia Coast Live Oak 9 11 14 9 Fair 1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1479 Pinus radiata Monterey Pine 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 4 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 12 8 Fair 1485 Quercus agrifolia Coast	1471	Eucalyptus sp.	Eucalyptus	26	24	14	11				40		Fair
1474 Leptospermum laevigatum Australian Tea Tree 6 4 Fair 1475 Quercus agrifolia Coast Live Oak 6 4 Fair 1476 Quercus agrifolia Coast Live Oak 8 8 8 8 8 6 7 18 12 Fair 1477 Quercus agrifolia Coast Live Oak 9 11 14 9 Fair 1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1479 Pinus radiata Monterey Pine 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 4 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair </td <td>1472</td> <td>Pinus torreyana</td> <td>Torrey Pine</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20</td> <td>13</td> <td>Fair</td>	1472	Pinus torreyana	Torrey Pine	20							20	13	Fair
1475 Quercus agrifolia Coast Live Oak 6 4 Fair 1476 Quercus agrifolia Coast Live Oak 8 8 8 8 8 6 7 18 12 Fair 1477 Quercus agrifolia Coast Live Oak 9 11 14 9 Fair 1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1479 Pinus radiata Monterey Pine 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 4 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 6 4 <t< td=""><td>1473</td><td>Quercus agrifolia</td><td>Coast Live Oak</td><td>7</td><td>6</td><td></td><td></td><td></td><td></td><td></td><td>9</td><td>6</td><td>Poor</td></t<>	1473	Quercus agrifolia	Coast Live Oak	7	6						9	6	Poor
1476 Quercus agrifolia Coast Live Oak 8 8 8 8 8 8 8 6 7 1477 Quercus agrifolia Coast Live Oak 9 11 14 9 Fair 1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1479 Pinus radiata Monterey Pine 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 4 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 4 Fair	1474	Leptospermum laevigatum	Australian Tea Tree	6							6	4	Fair
1477 Quercus agrifolia Coast Live Oak 9 11 14 9 Fair 1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1479 Pinus radiata Monterey Pine 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 6 4 Fair	1475	Quercus agrifolia	Coast Live Oak	6									
1478 Quercus agrifolia Coast Live Oak 6 4 Fair 1479 Pinus radiata Monterey Pine 15 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 6 4 Fair	1476	Quercus agrifolia	Coast Live Oak	8		8	8	6	7				
1479 Pinus radiata Monterey Pine 15 9 Fair 1481 Quercus agrifolia Coast Live Oak 8 8 7 13 8 Fair 1482 Quercus agrifolia Coast Live Oak 6 6 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 6 4 Fair	1477	Quercus agrifolia		9	11								
1481 Quercus agrifolia Coast Live Oak 8 8 7 1482 Quercus agrifolia Coast Live Oak 6 6 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 4 Fair	1478		Coast Live Oak	6									
1482 Quercus agrifolia Coast Live Oak 6 6 8 5 Fair 1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 4 Fair	1479	Pinus radiata	•	15									
1483 Quercus agrifolia Coast Live Oak 16 7 17 11 Fair 1484 Quercus agrifolia Coast Live Oak 10 7 12 8 Fair 1485 Quercus agrifolia Coast Live Oak 6 4 Fair	1481	_		8		7							
1484Quercus agrifoliaCoast Live Oak10 7128Fair1485Quercus agrifoliaCoast Live Oak64Fair	1482	1											
1485 Quercus agrifolia Coast Live Oak 6 6 4 Fair	1483	1											Fair
, , , , , , , , , , , , , , , , , , , ,					7								
1486 Pinus radiata Monterey Pine 19 10 21 13 Poor		1											
	1486	Pinus radiata	Monterey Pine	19	10						21	13	Poor

1487 Pinus radiata Monterey Pine 11 11 7 Poor	Tree ID	Scientific Name	Common Name				•	Ind	ividu	al Si	tem E	DBH (in)	7	otal DBH (in)	Dripline (ft)	Health
Eucalyptus sp.	1487	Pinus radiata	Monterey Pine	11									 	11	7	Poor
Quercus agrifolia	1488	Quercus agrifolia	Coast Live Oak	6										6	4	Fair
1491 Eucalyptus sp. Eucalyptus 20 13 Fair 1492 Pinus radiata Monterey Pine 16 7 17 11 Fair 1493 Pinus radiata Monterey Pine 12 12 8 Fair 1494 Pinus radiata Monterey Pine 12 12 8 Fair 1495 Pinus radiata Monterey Pine 12 12 8 Fair 1496 Pinus radiata Monterey Pine 12 12 8 Fair 1497 Pinus radiata Monterey Pine 17 18 Pinus radiata Monterey Pine 18 19 19 19 19 19 19 19	1489	Eucalyptus sp.	Eucalyptus	7	7									10	6	Fair
1492 Pinus radiata Monterey Pine 16 7	1490	Quercus agrifolia	Coast Live Oak	8	7	7	6							14	9	Poor
1493 Quercus agrifolia Coast Live Oak 6 6 6 7 7 8 6 6 7 7 8 7 7 8 7 7 8 7 7	1491	Eucalyptus sp.	Eucalyptus	20										20	13	Fair
Pinus radiata Monterey Pine 12 32 39 24 Fair 1496 Pinus radiata Monterey Pine 12 39 24 Fair 1496 Pinus radiata Monterey Pine 12 39 24 Fair 1497 Pinus radiata Monterey Pine 7 7 4 Fair 1498 Quercus agrifolia Coast Live Oak 12 9 Fair 1499 Quercus agrifolia Coast Live Oak 6 4 Fair 1500 Pinus torreyana Torrey Pine 6 6 4 Fair 1500 Pinus radiata Monterey Pine 6 6 4 Fair 1500 Pinus radiata Monterey Pine 6 6 4 Fair 1500 Pinus radiata Monterey Pine 6 6 4 Fair 1500 Pinus radiata Monterey Pine 11 7 Fair 1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 8 6 21 13 Fair 1506 Eucalyptus sp. Eucalyptus 16 Fair 1506 Eucalyptus sp. Eucalyptus 11 7 7 8 12 12 7 Fair 1507 Eucalyptus sp. Eucalyptus 27 Eucalyptus sp. Eucalyptus 27 Eucalyptus sp. Eucalyptus 27 Eucalyptus sp. Eucalyptus 27 Eucalyptus sp. Eucalyptus 28 6 8 6 9 10 6 Fair 1500 Quercus agrifolia Coast Live Oak 8 6 8 8 9 9 10 6 Fair 1500 Quercus agrifolia Coast Live Oak 8 6 8 9 9 10 10 10 10 10 10	1492	Pinus radiata	Monterey Pine	16	7									17	11	Fair
Pinus radiata Monterey Pine 30 25 39 24 Fair 1496 Pinus radiata Monterey Pine 12 3 4 Fair 1497 Pinus radiata Monterey Pine 7 7 4 Fair 1498 Quercus agrifolia Coast Live Oak 12 9 5 5 5 5 5 6 6 4 Fair 1500 Pinus torreyana Torrey Pine 6 6 4 Fair 1500 Pinus torreyana Torrey Pine 6 6 4 Fair 1500 Pinus torreyana Monterey Pine 6 6 4 Fair 1501 Quercus agrifolia Coast Live Oak 6 6 4 Fair 1502 Pinus radiata Monterey Pine 6 6 4 Fair 1503 Pinus radiata Monterey Pine 11 7 Fair 1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 6 8 6 21 13 Fair 1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 6 8 6 21 13 Fair 1505 Eucalyptus \$p. Eucalyptus 16 Fair 1506 Eucalyptus \$p. Eucalyptus 27 Fair 1509 Quercus agrifolia Coast Live Oak 6 6 8 8 12 19 12 Fair 1509 Quercus agrifolia Coast Live Oak 6 6 8 8 12 12 7 Fair 1510 Eucalyptus \$p. Eucalyptus 24 10 27 Fair 1510 Eucalyptus \$p. Eucalyptus 8 6 8 12 7 Fair 1511 Quercus agrifolia Coast Live Oak 6 6 8 8 12 7 Fair 1511 Quercus agrifolia Coast Live Oak 6 6 8 8 12 7 Fair 1511 Quercus agrifolia Coast Live Oak 8 6 6 8 12 7 Fair 1511 Quercus agrifolia Coast Live Oak 12 8 Fair 1514 Leptospernum laevigatum Australian Tea Tree 8 10 10 10 10 10 10 10	1493	Quercus agrifolia	Coast Live Oak	6	6									8	5	Fair
1496 Pinus radiata Monterey Pine 12	1494	Pinus radiata	Monterey Pine	12										12	8	Fair
Pinus radiata Monterey Pine 7	1495	Pinus radiata	Monterey Pine	30	25									39	24	Fair
1498 Quercus agrifolia Coast Live Oak 12 9 Fair 1499 Quercus agrifolia Coast Live Oak 6 Fair 1500 Pinus torreyana Torrey Pine 6 Fair 1501 Quercus agrifolia Coast Live Oak 6 Fair 1502 Pinus radiata Monterey Pine 6 Fair 1503 Pinus radiata Monterey Pine 11 7 Fair 1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 6 8 6 21 13 Fair 1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 6 8 6 21 13 Fair 1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 6 8 9 10 6 6 8 9 10 6 9 9 9 9 9 9 9 9 9	1496	Pinus radiata	Monterey Pine	12										12	8	Fair
1499 Quercus agrifolia Coast Live Oak 6	1497	Pinus radiata	Monterey Pine	7										7	4	Fair
1500 Pinus torreyana Torrey Pine 6	1498	Quercus agrifolia	Coast Live Oak	12	9									15	9	Fair
1501 Quercus agrifolia Coast Live Oak 6	1499	Quercus agrifolia	Coast Live Oak	6										6	4	Fair
Pinus radiata	1500	Pinus torreyana	Torrey Pine	6										6	4	Fair
1503 Pinus radiata Monterey Pine 11	1501	Quercus agrifolia	Coast Live Oak	6										6	4	Fair
1504 Quercus agrifolia Coast Live Oak 8 6 9 10 6 6 8 6 21 13 Fair	1502	Pinus radiata	Monterey Pine	6										6	4	Fair
1505 Eucalyptus sp. Eucalyptus 16 10 Fair 1506 Eucalyptus sp. Eucalyptus 11 7 8 12 19 12 Fair 1507 Eucalyptus sp. Eucalyptus 27 17 Fair 1508 Eucalyptus sp. Eucalyptus 24 10 26 16 Fair 1509 Quercus agrifolia Coast Live Oak 6 6 8 12 7 Fair 1510 Eucalyptus sp. Eucalyptus 8 6 8 10 10 6 Fair 1510 Eucalyptus sp. Eucalyptus 8 6 8 12 7 Fair 1510 Eucalyptus sp. Eucalyptus sp. Eucalyptus sp. 8 6 8 10 10 6 Fair 1510 Eucalyptus sp. Eucalyptus sp. 8 6 8 10 10 6 7 7 7 7 7 <	1503	Pinus radiata	Monterey Pine	11										11	7	Fair
1506 Eucalyptus sp. Eucalyptus 11 7 8 12 19 12 Fair 1507 Eucalyptus sp. Eucalyptus 27 10 26 16 Fair 1508 Eucalyptus sp. Eucalyptus 24 10 26 16 Fair 1509 Quercus agrifolia Coast Live Oak 6 6 8 12 7 Fair 1510 Eucalyptus sp. Eucalyptus 8 6 6 8 10 0 6 Fair 1511 Quercus agrifolia Coast Live Oak 8 6 6 4 Fair 1512 Quercus agrifolia Coast Live Oak 6 6 4 Fair 1513 Quercus agrifolia Coast Live Oak 12 12 8 Fair 1514 Leptospermum laevigatum Australian Tea Tree 8 10 10 16 10 Fair 1514 Pinus radiata Monterey Pine 12 2 8 Dead 1515 Leptospermum laevigatum Australian Tea Tree 9 9 6 Fair 1516 Hesperocyparis macrocarpa Monterey Cypress 76 77 78 79 79 79 79 79 79	1504	Quercus agrifolia	Coast Live Oak	8	6	9	10	6	6	8	6			21	13	Fair
1507 Eucalyptus sp. Eucalyptus 27 17 Fair 1508 Eucalyptus sp. Eucalyptus 24 10 26 16 Fair 1509 Quercus agrifolia Coast Live Oak 6 6 8 12 7 Fair 1510 Eucalyptus sp. Eucalyptus 8 6 10 6 Fair 1511 Quercus agrifolia Coast Live Oak 8 6 10 6 Fair 1512 Quercus agrifolia Coast Live Oak 6 4 Fair 1513 Quercus agrifolia Coast Live Oak 12 12 8 Fair 1514 Leptospermum laevigatum Australian Tea Tree 8 10 10 16 10 Fair 1514 Pinus radiata Monterey Pine 12 12 8 Dead 1515 Leptospermum laevigatum Australian Tea Tree 9 9 6 Fair 1516 Hesperocyparis macrocarpa Monterey Cypress 76 76 48 Fair 1517 Hesperocyparis macrocarpa Monterey Cypress 17 7 7 7 7 7 7 7 7	1505	Eucalyptus sp.	Eucalyptus	16										16	10	Fair
1508 Eucalyptus sp. Eucalyptus 24 10 26 16 Fair 1509 Quercus agrifolia Coast Live Oak 6 6 8 12 7 Fair 1510 Eucalyptus sp. Eucalyptus 8 6 10 6 Fair 1511 Quercus agrifolia Coast Live Oak 8 6 10 6 Fair 1512 Quercus agrifolia Coast Live Oak 6 4 Fair 1513 Quercus agrifolia Coast Live Oak 12 12 8 Fair 1514 Leptospermum laevigatum Australian Tea Tree 8 10 10 16 10 Fair 1514 Pinus radiata Monterey Pine 12 8 Dead 1515 Leptospermum laevigatum Australian Tea Tree 9 9 6 Fair 1516 Hesperocyparis macrocarpa Monterey Cypress 76 48 Fair 1517 Hesperocyparis macrocarpa<	1506	Eucalyptus sp.	Eucalyptus	11	7	8	12							19	12	Fair
1509 Quercus agrifolia Coast Live Oak 6 6 8 12 7 Fair 1510 Eucalyptus sp. Eucalyptus 8 6 10 6 Fair 1511 Quercus agrifolia Coast Live Oak 8 6 10 6 Fair 1512 Quercus agrifolia Coast Live Oak 6 4 Fair 1513 Quercus agrifolia Coast Live Oak 12 12 8 Fair 1514 Leptospermum laevigatum Australian Tea Tree 8 10 10 16 10 Fair 1514 Pinus radiata Monterey Pine 12 8 Dead 1514 Pinus radiata Australian Tea Tree 9 9 6 Fair 1515 Leptospermum laevigatum Australian Tea Tree 9 9 6 Fair 1516 Hesperocyparis macrocarpa Monterey Cypress 76 7 7 20 12 Fair 1518<	1507	Eucalyptus sp.	Eucalyptus	27										27	17	Fair
1510 Eucalyptus sp. Eucalyptus 8 6 10 6 Fair 1511 Quercus agrifolia Coast Live Oak 8 6 10 6 Fair 1512 Quercus agrifolia Coast Live Oak 6 4 Fair 1513 Quercus agrifolia Coast Live Oak 12 12 8 Fair 1514 Leptospermum laevigatum Australian Tea Tree 8 10 10 16 10 Fair 1514 Pinus radiata Monterey Pine 12 8 Dead 1515 Leptospermum laevigatum Australian Tea Tree 9 6 Fair 1516 Hesperocyparis macrocarpa Monterey Cypress 76 48 Fair 1517 Hesperocyparis macrocarpa Monterey Cypress 17 7 7 20 12 Fair 1518 Pinus radiata Monterey Pine 12 12 8 Fair 1519 Pinus radiata Monterey Pine	1508	Eucalyptus sp.	Eucalyptus	24	10									26	16	Fair
1511 Quercus agrifolia Coast Live Oak 8 6 10 6 Fair 1512 Quercus agrifolia Coast Live Oak 6 4 Fair 1513 Quercus agrifolia Coast Live Oak 12 12 8 Fair 1514 Leptospermum laevigatum Australian Tea Tree 8 10 10 16 10 Fair 1514 Pinus radiata Monterey Pine 12 8 Dead 1515 Leptospermum laevigatum Australian Tea Tree 9 9 6 Fair 1516 Hesperocyparis macrocarpa Monterey Cypress 76 48 Fair 1517 Hesperocyparis macrocarpa Monterey Cypress 17 7 7 20 12 Fair 1518 Pinus radiata Monterey Pine 12 12 8 Fair 1519 Pinus radiata Monterey Pine 6 4 Fair	1509	Quercus agrifolia	Coast Live Oak	6	6	8								12	7	Fair
1512Quercus agrifoliaCoast Live Oak64Fair1513Quercus agrifoliaCoast Live Oak12128Fair1514Leptospermum laevigatumAustralian Tea Tree810101610Fair1514Pinus radiataMonterey Pine12128Dead1515Leptospermum laevigatumAustralian Tea Tree996Fair1516Hesperocyparis macrocarpaMonterey Cypress7648Fair1517Hesperocyparis macrocarpaMonterey Cypress17772012Fair1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine64Fair	1510	Eucalyptus sp.	Eucalyptus	8	6									10	6	Fair
1513Quercus agrifoliaCoast Live Oak12128Fair1514Leptospermum laevigatumAustralian Tea Tree810101610Fair1514Pinus radiataMonterey Pine12128Dead1515Leptospermum laevigatumAustralian Tea Tree996Fair1516Hesperocyparis macrocarpaMonterey Cypress767648Fair1517Hesperocyparis macrocarpaMonterey Cypress17772012Fair1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine64Fair	1511	Quercus agrifolia	Coast Live Oak	8	6									10	6	Fair
1514Leptospermum laevigatumAustralian Tea Tree810101610Fair1514Pinus radiataMonterey Pine12128Dead1515Leptospermum laevigatumAustralian Tea Tree996Fair1516Hesperocyparis macrocarpaMonterey Cypress767648Fair1517Hesperocyparis macrocarpaMonterey Cypress17772012Fair1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine664Fair	1512	Quercus agrifolia	Coast Live Oak	6										6	4	Fair
1514Pinus radiataMonterey Pine12128Dead1515Leptospermum laevigatumAustralian Tea Tree996Fair1516Hesperocyparis macrocarpaMonterey Cypress767648Fair1517Hesperocyparis macrocarpaMonterey Cypress17772012Fair1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine664Fair	1513	Quercus agrifolia	Coast Live Oak	12										12	8	Fair
1515Leptospermum laevigatumAustralian Tea Tree996Fair1516Hesperocyparis macrocarpaMonterey Cypress767648Fair1517Hesperocyparis macrocarpaMonterey Cypress17772012Fair1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine664Fair	1514	Leptospermum laevigatum	Australian Tea Tree	8	10	10								16	10	Fair
1516Hesperocyparis macrocarpaMonterey Cypress7648Fair1517Hesperocyparis macrocarpaMonterey Cypress17772012Fair1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine664Fair	1514	Pinus radiata	Monterey Pine	12										12	8	Dead
1517 Hesperocyparis macrocarpa Monterey Cypress 17 7 7 20 12 Fair 1518 Pinus radiata Monterey Pine 12 12 8 Fair 1519 Pinus radiata Monterey Pine 6 4 Fair	1515	Leptospermum laevigatum	Australian Tea Tree	9										9	6	Fair
1518Pinus radiataMonterey Pine12128Fair1519Pinus radiataMonterey Pine664Fair	1516	Hesperocyparis macrocarpa	Monterey Cypress	76										76	48	Fair
1519 Pinus radiata Monterey Pine 6 6 4 Fair	1517	Hesperocyparis macrocarpa	Monterey Cypress	17	7	7								20	12	Fair
	1518	Pinus radiata	Monterey Pine	12										12	8	Fair
1520 Pinus radiata Monterey Pine 7 7 4 Poor	1519	Pinus radiata	Monterey Pine	6										6	4	Fair
	1520	Pinus radiata	Monterey Pine	7										7	4	Poor

Tree ID	Scientific Name	Common Name		Individual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1521	Pinus radiata	Monterey Pine	9		9	6	Poor
1522	Pinus radiata	Monterey Pine	18		18	11	Poor
1523	Pinus radiata	Monterey Pine	13		13	8	Fair
1524	Pinus radiata	Monterey Pine	7		7	4	Fair
1525	Hesperocyparis macrocarpa	Monterey Cypress	23		23	14	Fair
1526	Pinus radiata	Monterey Pine	10		10	6	Fair
1527	Pinus radiata	Monterey Pine	9		9	6	Fair
1528	Pinus radiata	Monterey Pine	17		17	11	Fair
1529	Eucalyptus sp.	Eucalyptus	6		6	4	Fair
1530	Eucalyptus sp.	Eucalyptus	15	10	18	11	Fair
1531	Eucalyptus sp.	Eucalyptus	29		29	18	Fair
1532	Pinus radiata	Monterey Pine	25		25	16	Poor
1533	Eucalyptus sp.	Eucalyptus	11	10	15	9	Fair
1534	Eucalyptus sp.	Eucalyptus	14		14	9	Fair
1535	Quercus agrifolia	Coast Live Oak	6	6	8	5	Fair
1536	Pinus radiata	Monterey Pine	24		24	15	Dead
1537	Pinus radiata	Monterey Pine	21		21	13	Poor
1538	Pinus radiata	Monterey Pine	19		19	12	Poor
1539	Pinus radiata	Monterey Pine	24		24	15	Poor
1540	Pinus radiata	Monterey Pine	24		24	15	Dead
1542	Pinus radiata	Monterey Pine	14		14	9	Fair
1543	Hesperocyparis macrocarpa	Monterey Cypress	64		64	40	Fair
1544	Pinus radiata	Monterey Pine	14		14	9	Fair
1545	Pinus radiata	Monterey Pine	6	9	11	7	Fair
1546	Hesperocyparis macrocarpa	Monterey Cypress	77		77	48	Good
1547	Hesperocyparis macrocarpa	Monterey Cypress	55		55	34	Good
1548	Hesperocyparis macrocarpa	Monterey Cypress	33		33	21	Fair
1549	Hesperocyparis macrocarpa	Monterey Cypress	35		35	22	Good
1550	Hesperocyparis macrocarpa	Monterey Cypress	48		48	30	Fair
1551	Hesperocyparis macrocarpa	Monterey Cypress	45		45	28	Fair
1552	Hesperocyparis macrocarpa	Monterey Cypress	30		30	19	Fair
1553	Hesperocyparis macrocarpa	Monterey Cypress	30		30	19	Fair
1554	Hesperocyparis macrocarpa	Monterey Cypress	50		50	31	Good
1555	Hesperocyparis macrocarpa	Monterey Cypress	40		40	25	Fair
1556	Quercus agrifolia	Coast Live Oak	10		10	6	Fair

Tree ID	Scientific Name	Common Name				•	Ind	ividu	al Ste	m D	BH (in))		Total DBH (in)	Dripline (ft)	Health
1557	Acacia sp.	Acacia	7	6										9	6	Fair
1558	Acacia sp.	Acacia	6											6	4	Fair
1559	Hesperocyparis macrocarpa	Monterey Cypress	6	6	7									11	7	Fair
1560	Acacia sp.	Acacia	6											6	4	Fair
1561	Acacia sp.	Acacia	7	6	6									11	7	Fair
1562	Acacia sp.	Acacia	8											8	5	Fair
1563	Acacia sp.	Acacia	8	8										11	7	Fair
1564	Acacia sp.	Acacia	7	6	7									12	7	Fair
1565	Acacia sp.	Acacia	6											6	4	Fair
1566	Acacia sp.	Acacia	9											9	6	Fair
1567	Acacia sp.	Acacia	8											8	5	Fair
1568	Hesperocyparis macrocarpa	Monterey Cypress	39											39	24	Poor
1569	Hesperocyparis macrocarpa	Monterey Cypress	50											50	31	Fair
1570	Hesperocyparis macrocarpa	Monterey Cypress	62											62	39	Fair
1571	Hesperocyparis macrocarpa	Monterey Cypress	10	7										12	8	Fair
1572	Hesperocyparis macrocarpa	Monterey Cypress	44											44	28	Fair
1573	Eucalyptus sp.	Eucalyptus	13	11	19									26	16	Fair
1574	Hesperocyparis macrocarpa	Monterey Cypress	44											44	28	Fair
1575	Eucalyptus sp.	Eucalyptus	32	6										33	20	Fair
1576	Eucalyptus sp.	Eucalyptus	8	7	6									12	8	Fair
1577	Acacia sp.	Acacia	7											7	4	Fair
1578	Acacia sp.	Acacia	7											7	4	Fair
1579	Quercus agrifolia	Coast Live Oak	12											12	8	Fair
1580	Acacia sp.	Acacia	9	11										14	9	Fair
1581	Acacia sp.	Acacia	13											13	8	Fair
1582	Eucalyptus sp.	Eucalyptus	20											20	13	Poor
1583	Eucalyptus sp.	Eucalyptus	33											33	21	Poor
1584	Acacia sp.	Acacia	6	6										8	5	Fair
1585	Pinus torreyana	Torrey Pine	21											21	13	Fair
1586	Pinus radiata	Monterey Pine	15											15	9	Poor
1587	Hesperocyparis macrocarpa	Monterey Cypress	21											21	13	Fair
1588	Hesperocyparis macrocarpa	Monterey Cypress	39											39	24	Fair
1589	Eucalyptus sp.	Eucalyptus	7											7	4	Fair
1590	Acacia sp.	Acacia	10											10	6	Fair
1591	Eucalyptus sp.	Eucalyptus	8	10	10	10	11	12	10	7	7			29	18	Fair

Tree ID	Scientific Name	Common Name				-	Ind	ividu	al St	em .	DBH	(in)						Total DBH (in)	Dripline (ft)	Health
1592	Eucalyptus sp.	Eucalyptus	11	11	10	6	6	13	12	6	10	6	10	9	7	12	8	37	23	Fair
1593	Eucalyptus sp.	Eucalyptus	17															17	11	Fair
1594	Eucalyptus sp.	Eucalyptus	13	15	15	13	12	9	17	8								37	23	Fair
1595	Eucalyptus sp.	Eucalyptus	13															13	8	Fair
1596	Eucalyptus sp.	Eucalyptus	6															6	4	Fair
1597	Eucalyptus sp.	Eucalyptus	8															8	5	Fair
1598	Eucalyptus sp.	Eucalyptus	9															9	6	Fair
1599	Eucalyptus sp.	Eucalyptus	13	10	8	11	10	11	9									27	17	Fair
1600	Eucalyptus sp.	Eucalyptus	33															33	21	Fair
1601	Eucalyptus sp.	Eucalyptus	16	13	13	8	6	15	11	9								33	21	Fair
1602	Eucalyptus sp.	Eucalyptus	9															9	6	Fair
1603	Eucalyptus sp.	Eucalyptus	9	9														13	8	Fair
1604	Eucalyptus sp.	Eucalyptus	6	12														13	8	Fair
1605	Eucalyptus sp.	Eucalyptus	9	9	8													15	9	Fair
1606	Quercus agrifolia	Coast Live Oak	6	6														8	5	Fair
1607	Pinus torreyana	Torrey Pine	16															16	10	Fair
1608	Quercus agrifolia	Coast Live Oak	9	6														11	7	Fair
1609	Quercus agrifolia	Coast Live Oak	13	·10	6	8	6											20	13	Fair
1610	Quercus agrifolia	Coast Live Oak	16															16	10	Fair
1611	Quercus agrifolia	Coast Live Oak	7															7	4	Fair
1612	Quercus agrifolia	Coast Live Oak	8	6														10	6	Fair
1613	Quercus agrifolia	Coast Live Oak	7	7														10	6	Poor
1614	Quercus agrifolia	Coast Live Oak	6															6	4	Fair
1614	Quercus agrifolia	Coast Live Oak	8	7	7													13	8	Fair
1615	Quercus agrifolia	Coast Live Oak	13	10	6													17	11	Fair
1616	Quercus agrifolia	Coast Live Oak	9	7														11	7	Fair
1617	Quercus agrifolia	Coast Live Oak	7	6														9	6	Fair
1618	Quercus agrifolia	Coast Live Oak	6	6	8													12	7	Fair
1619	Pinus torreyana	Torrey Pine	7															7	4	Fair
1620	Pinus radiata	Monterey Pine	10	9														13	8	Dead
1621	Pinus radiata	Monterey Pine	20															20	13	Poor
1622	Pinus radiata	Monterey Pine	10	9	9													16	10	Poor
1623	Pinus torreyana	Torrey Pine	6															6	4	Fair
1624	Pinus radiata	Monterey Pine	22	6														23	14	Fair
1625	Pinus torreyana	Torrey Pine	6															6	4	Fair

Tree ID	Scientific Name	Common Name					Individual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Health
1626	Pinus radiata	Monterey Pine	16					16	10	Fair
1627	Pinus radiata	Monterey Pine	11	7				13	8	Fair
1628	Pinus radiata	Monterey Pine	8					8	5	Fair
1629	Pinus radiata	Monterey Pine	19					19	12	Poor
1630	Pinus radiata	Monterey Pine	33	9				34	21	Poor
1631	Pinus radiata	Monterey Pine	7					7	4	Poor
1632	Quercus agrifolia	Coast Live Oak	7	6				9	6	Fair
1633	Quercus agrifolia	Coast Live Oak	7					7	4	Fair
1634	Quercus agrifolia	Coast Live Oak	13	11	7	6	8	21	13	Fair
1635	Quercus agrifolia	Coast Live Oak	12					12	8	Fair
1636	Quercus agrifolia	Coast Live Oak	6					6	4	Fair
1637	Quercus agrifolia	Coast Live Oak	12	6	10			17	10	Fair
1638	Quercus agrifolia	Coast Live Oak	6	6				8	5	Fair
1639	Pinus radiata	Monterey Pine	23					23	14	Poor
1640	Quercus agrifolia	Coast Live Oak	10	9				13	8	Fair
1643	Quercus agrifolia	Coast Live Oak	12	10				16	10	Fair
1644	Quercus agrifolia	Coast Live Oak	6	6				8	5	Fair
1645	Quercus agrifolia	Coast Live Oak	10	12				16	10	Fair
1646	Pinus radiata	Monterey Pine	7					7	4	Fair
1647	Quercus agrifolia	Coast Live Oak	11	11	9			18	11	Fair
1648	Quercus agrifolia	Coast Live Oak	8	7	6			12	8	Fair
1649	Quercus agrifolia	Coast Live Oak	7					7	4	Fair
1650	Quercus agrifolia	Coast Live Oak	13	22	20			32	20	Poor
1651	Acacia sp.	Acacia	6	6	6			10	6	Fair

APPENDIX B

Recommended Best Management Practices

Tree Protection

Prior to the commencement of construction activities:

- Trees located adjacent to the construction area shall be protected from damage by construction
 equipment by the use of temporary fencing in combination with wrapping of trunks with
 protective materials wherever there may be construction present.
- Fencing shall consist of chain link, heavy duty snowdrift or plastic mesh, hay bales, or field fence. Portions of existing fencing may also be used.
- Fencing is not to be attached to the tree but free standing and self-supporting so as not to damage trees. Fencing shall be rigidly supported both vertically and horizontally and shall stand a minimum of height of six feet above grade.
- Soil compaction, parking of vehicles or heavy equipment, stockpiling of construction materials, and/or dumping of materials is not be allowed adjacent to trees on the property especially within fenced areas.
- Fenced areas and the trunk protection materials shall remain in place during the entire construction period.

During grading and excavation activities:

- Trenching located adjacent to any tree should be done by hand where practical and any roots greater than 1.5 –inches diameter should be bridged or pruned appropriately.
- Any roots that must be cut should be cut by manually digging a trench and cutting exposed
 roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other
 approved root pruning equipment.
- Any roots damaged during grading or excavation should be exposed to sound tissue and cut cleanly with a saw.

The following are offered as guidelines when pruning;

- In general trees will be assessed then pruned first for safety, next for health, and finally for aesthetics. No more than 25% of the tree overall crown will be pruned in one season.
- Type of pruning is determined by the size of branches to be removed. General guidelines for branch removal are:
 - 1. Fine Detail pruning-limbs under two (2) inch diameter are removed.
 - Medium Detail Pruning-Limbs between two (2) and four (4) inch diameter.
 - 3. Structural Enhancement-limbs greater than four (4) inch diameter.
 - 4. Broken and cracked limbs-removed will be removed in high traffic areas of concern.

Crown thinning is the cleaning out of or removal of dead diseased, weakly attached, or low vigor branches from a tree crown and consist of the following steps:

- All trees will be pre-assessed on how the tree will be pruned from the top down.
- Tree trimmers will favor branches with strong, U-shaped angles of attachment and where possible remove branches with weak, V-shaped angles of attachment and/or included bark.
- Lateral branches will be evenly spaced on the main stem of young trees and areas of fine pruning.
- Branches that rub or cross another branch will be removed where possible.
- Lateral branches will be no more than one-half to three-quarters of the diameter of the stem to discourage the development of co-dominant stems where feasible.

ATTACHMENT 3



DENISE DUFFY & ASSOCIATES, INC.

PLANNING AND ENVIRONMENTAL CONSULTING

MEMORANDUM

DATE: March 19, 2020

TO: Doug Yount, Project Director

Shea Homes

FROM: Patric Krabacher, ISA Certified Arborist 11759, Environmental Scientist

Denise Duffy & Associates, Inc.

RE: Tree Removal Application for The Dunes on Monterey Bay Project – Phase 2

University Villages East

Denise Duffy & Associates, Inc. (DD&A) is contracted by Shea Homes (SH) to provide environmental consulting services for the Dunes on Monterey Bay Project – Phase 2 (project), located within the City of Marina (City) in Monterey County, California. To inform development of project design plans, DD&A conducted a field inventory of protected trees within the project site (consisting of three separate evaluation areas [Figure 1]) in October 2019. The tree inventory was conducted in accordance with Section 5.9. Existing Tree Removal, Relocation, and Replacement Standards (Tree Standards) of the City-approved University Villages Specific Plan (UVSP; approved on May 31, 2005), the project's Final Environmental Impact Report (FEIR) and Resolution, the project's Mitigation Monitoring and Reporting Program (MMRP), and 2005 Marina Municipal Code (MMC) Chapter 12.04 (Tree Removal, Preservation, and Protection)¹ per MMRP Impact BR-2.2. The methods and results of the field inventory are detailed in the *Tree Survey Results for the Dunes on Monterey Bay Project – Phase 2* (DD&A, 2019), hereafter the "Arborist Report."

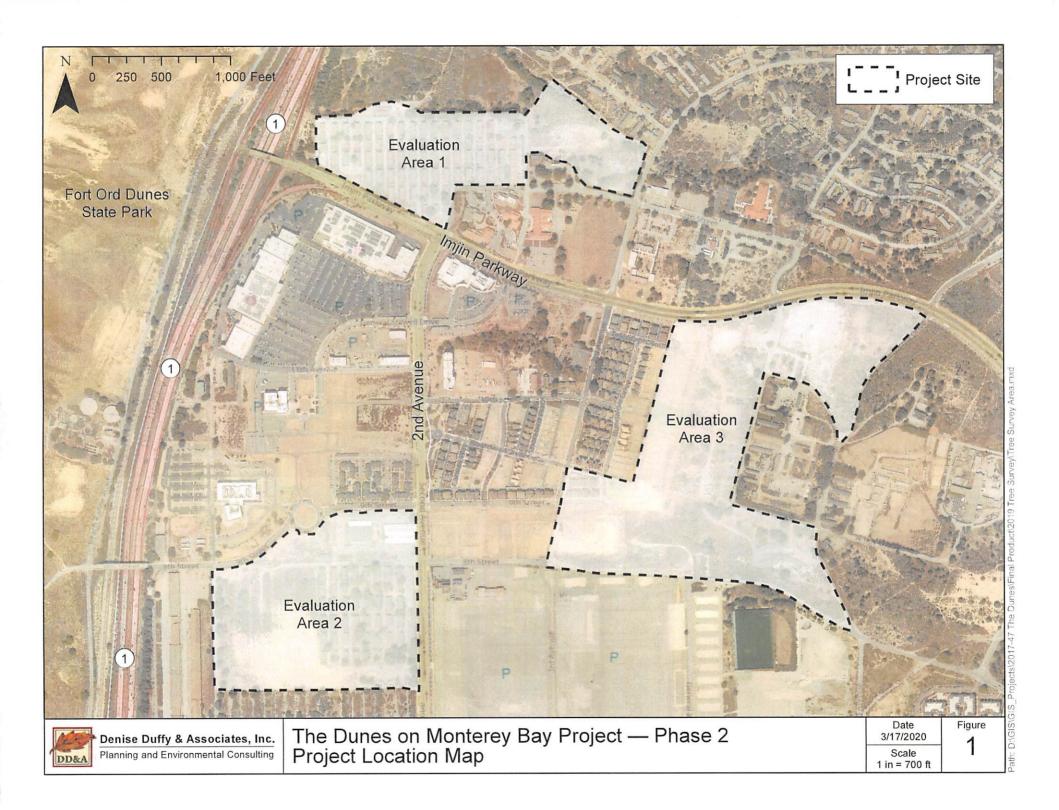
Based on the results of the Arborist Report and current design plans (**Appendix A**) for Evaluation Area 3, or "University Villages East," 168² of the 234 trees in Evaluation Area 3 are proposed for removal (**Figure 2**; **Appendix B**). In accordance with the 2005 MMC Chapter 12.04, a tree removal permit from the City is required to remove, damage, or relocate trees within City limits. This report also includes the required components of a tree removal permit application, including a statement on the reason for the requested action, the species, size, health, physical identification tag number, and location (including root zone dripline and canopy) of each tree proposed for removal (**Figure 2**, **Appendix B**), and photographs of each tree proposed for removal (**Appendix C**).

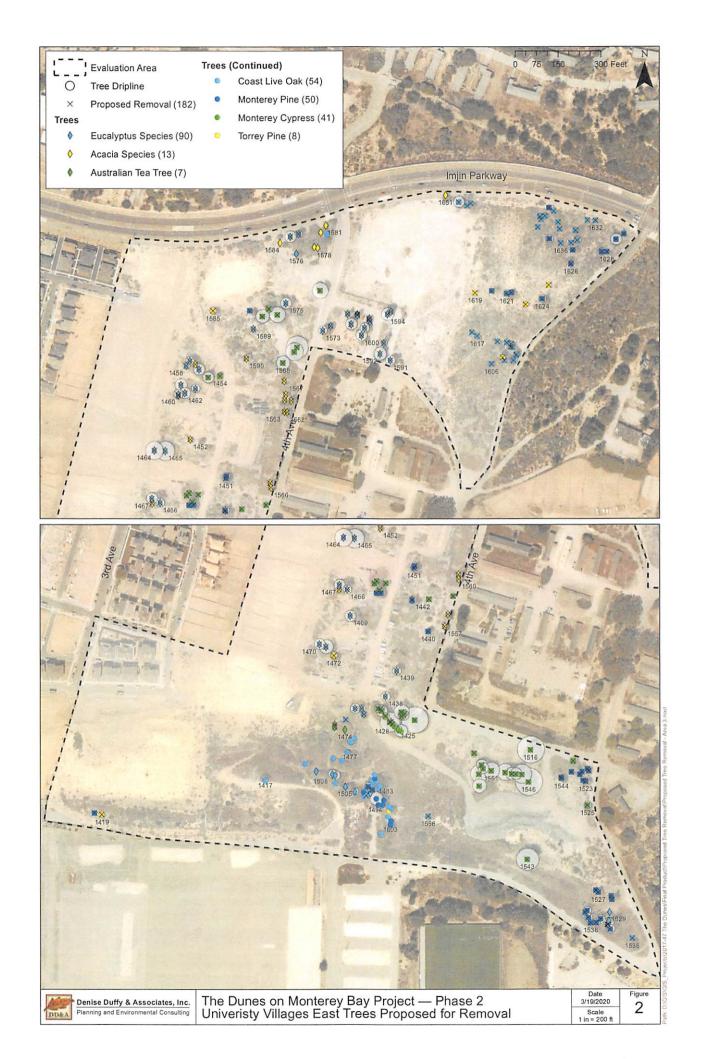
LIMITATIONS

At the direction of SH, this assessment is based exclusively on the UVSP Tree Standards. It is not the intent of this report to provide a monetary valuation of the trees or provide risk assessment for any tree on this parcel, as any tree can fail at any time. No clinical diagnosis was performed on any pest or pathogen that may or may not be present within the site.

¹ To remain in compliance with the approved MMRP and FEIR, the 2005 MMC 12.04 was used instead of the current MMC 17.51.

² Please note that 14 additional acacia trees (*Acacia* spp.) were mapped in Evaluation Area 3 (Figure 2). However, UVSP Development Regulations, Page 118 acacia species were not recorded in the tree table (Appendix B) or in this report.





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In addition to an inspection of the property, DD&A relied on information provided by SH (such as survey data, property boundaries, and property ownership information) to prepare this report, and must reasonably rely on the accuracy of the information provided. DD&A shall not be responsible for another's means, methods, techniques, schedules, or procedures, or for contractor safety or any other related programs, or for another's failure to complete the work in accordance with approved plans and specifications.

TREES PROPOSED FOR REMOVAL

As a result of project activities, 168 trees are proposed for removal in Evaluation Area 3 (Figure 2; Appendix B). These include:

- 41 Monterey pine trees (Pinus radiata) ranging from 6" to 34" DBH,
- 39 Monterey cypress trees (*Hesperocyparis macrocarpa*, syn. *Cupressus macrocarpa*) ranging from 6" to 77" DBH,
- 33 Coast live oak trees (Quercus agrifolia) ranging from 6" to 32" DBH,
- Seven Torrey pine trees (Pinus torreyana) ranging from 6" to 21" DBH,
- Five Australian tea trees (Leptospermum laevigatum) ranging from 6" to 21" DBH, and
- 43 eucalyptus trees (Eucalyptus spp.) ranging from 6" to 55" DBH.

Per UVSP Tree Standards, Page 118, eucalyptus condition was not recorded. Of the remaining 125 trees planned for removal in Evaluation Area 3, five are dead, 21 are in poor condition, five are in good condition, and 94 are in fair condition (**Appendix B**). Trees in fair condition are in average vigor for the area, but are showing signs of decay, disease, and/or insect infestations, including root rot fungus (*Armillaria* sp.), bark beetles, coryneum canker fungus (also known as cypress canker), and *Phytophthora* root and crown rot.

A tree removal permit is not required for the five dead trees; however, per the UVSP Tree Standards, dead trees was recorded during the October 2019 field inventory.

DISCUSSION

Aside from the five dead trees, a tree removal permit from the City is required for all 163 live trees, and design plans must incorporate mitigation measures and regulatory requirements of UVSP Tree Standards, as follows:

- Existing trees in good or fair condition to be removed shall be replaced on site at a ratio of two replacement trees for each tree removed (2:1).
- The minimum size of tree selection is 15-gallon. Minimum 24" box trees shall be located in areas of special interest such as focal points and neighborhood entries.
- For any trees proposed to be removed or relocated between January and July, surveys for active nests of birds-of-prey birds shall be undertaken by a qualified biologist. If active nests are found and the biologist determines that construction activities would remove the nest or have the potential to cause abandonment, then those activities shall be avoided until the young have fledged and are no longer dependent upon the nests for survival.

CONCLUSION

Removal and replacement is recommended for 99 trees in good or fair condition (Figure 1; Appendix B). Removal is also recommended for 43 eucalyptus trees; however, per UVSP Tree Standards, the condition of eucalyptus species was not recorded and, therefore, these trees are not required to be replaced. Five trees are dead and are also recommended for removal; however, per UVSP Tree Standards, mitigation for removal of dead trees is also not required. Therefore, per UVSP Tree Standards, a total of 198 replacement plantings are required to mitigate for the removal of the 99 healthy trees.

A tree removal permit from the City is required for all trees except the five dead trees. Best management practices while working around trees are included in **Appendix D**.

If you have any comments or questions regarding this report, please contact Patric Krabacher at pkrabacher@ddaplanning.com or at (831) 373-4341 ext. 29.

REFERENCES

Denise Duffy and Associates, Inc, 2019. Tree Survey Results for The Dunes on Monterey Bay Project – Phase 2.

APPENDIX A

Site Plan





Tree ID	Scientific Name	Common Name					Individual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Condition	Status
1418	Pinus radiata	Monterey Pine	6	6				8	5	Fair	Remove and Replace
1419	Pinus torreyana	Torrey Pine	6					6	4	Fair	Remove and Replace
1420	Hesperocyparis macrocarpa	Monterey Cypress	19					19	12	Fair	Remove and Replace
1421	Hesperocyparis macrocarpa	Monterey Cypress	43					43	27	Fair	Remove and Replace
1422	Hesperocyparis macrocarpa	Monterey Cypress	31					31	19	Fair	Remove and Replace
1423	Leptospermum laevigatum	Australian Tea Tree	15	15				21	13	Fair	Remove and Replace
1424	Hesperocyparis macrocarpa	Monterey Cypress	75					75	47	Fair	Remove and Replace
1428	Leptospermum laevigatum	Australian Tea Tree	10	12				16	10	Dead	Remove
1429	Leptospermum laevigatum	Australian Tea Tree	6					6	4	Fair	Remove and Replace
1430	Hesperocyparis macrocarpa	Monterey Cypress	32	30	15	15	26	55	35	Fair	Remove and Replace
1431	Hesperocyparis macrocarpa	Monterey Cypress	21					21	13	Fair	Remove and Replace
1432	Hesperocyparis macrocarpa	Monterey Cypress	33					33	21	Good	Remove and Replace
1433	Hesperocyparis macrocarpa	Monterey Cypress	22					22	14	Fair	Remove and Replace
1434	Hesperocyparis macrocarpa	Monterey Cypress	24					24	15	Fair	Remove and Replace
1435	Eucalyptus sp.	Eucalyptus	20					20	13	*	Remove
1436	Eucalyptus sp.	Eucalyptus	17					17	11	*	Remove
1437	Eucalyptus sp.	Eucalyptus	28					28	18	*	Remove
1438	Eucalyptus sp.	Eucalyptus	20	11	12	6		26	17	*	Remove
1439	Eucalyptus sp.	Eucalyptus	26					26	16	*	Remove
1440	Pinus radiata	Monterey Pine	15					15	9	Fair	Remove and Replace
1441	Hesperocyparis macrocarpa	Monterey Cypress	7					7	4	Fair	Remove and Replace
1442	Eucalyptus sp.	Eucalyptus	21					21	13	*	Remove
1443	Pinus radiata	Monterey Pine	6	6				8	5	Fair	Remove and Replace
1444	Pinus radiata	Monterey Pine	15					15	9	Fair	Remove and Replace
1445	Pinus radiata	Monterey Pine	14					14	9	Fair	Remove and Replace
1446	Hesperocyparis macrocarpa	Monterey Cypress	10	10	8	8	6	19	12	Fair	Remove and Replace
1447	Hesperocyparis macrocarpa	Monterey Cypress	6					6	4	Fair	Remove and Replace
1448	Hesperocyparis macrocarpa	Monterey Cypress	6	13				14	9	Fair	Remove and Replace
1449	Hesperocyparis macrocarpa	Monterey Cypress	8					8	5	Fair	Remove and Replace
1450	Quercus agrifolia	Coast Live Oak	6	6				8	5	Fair	Remove and Replace
1451	Pinus radiata	Monterey Pine	23					23	14	Fair	Remove and Replace
1453	Hesperocyparis macrocarpa	Monterey Cypress	32					32	20	Fair	Remove and Replace
1454	Hesperocyparis macrocarpa	Monterey Cypress	16					16	10	Fair	Remove and Replace
1455	Eucalyptus sp.	Eucalyptus	20	20	10	11		32	20	*	Remove
1457	Eucalyptus sp.	Eucalyptus	16	16	11			25	16	*	Remove
1458	Eucalyptus sp.	Eucalyptus	6	8	8	17		21	13	*	Remove

Tree ID	Scientific Name	Common Name					I	ndivid	lual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Condition	Status
1459	Eucalyptus sp.	Eucalyptus	30	18						35	22	*	Remove
1460	Eucalyptus sp.	Eucalyptus	22	16						27	17	*	Remove
1461	Eucalyptus sp.	Eucalyptus	22							22	14	*	Remove
1462	Eucalyptus sp.	Eucalyptus	32							32	20	*	Remove
1463	Eucalyptus sp.	Eucalyptus	25							25	16	*	Remove
1464	Eucalyptus sp.	Eucalyptus	32	32	23					51	32	*	Remove
1465	Eucalyptus sp.	Eucalyptus	25	25	16	24	8	30		55	34	*	Remove
1466	Eucalyptus sp.	Eucalyptus	25							25	16	*	Remove
1467	Eucalyptus sp.	Eucalyptus	32							32	20	*	Remove
1469	Eucalyptus sp.	Eucalyptus	18	14	14	10	12	6	6	32	20	*	Remove
1470	Eucalyptus sp.	Eucalyptus	30							30	19	*	Remove
1471	Eucalyptus sp.	Eucalyptus	26	24	14	11				40	25	*	Remove
1472	Pinus torreyana	Torrey Pine	20							20	13	Fair	Remove and Replace
1473	Quercus agrifolia	Coast Live Oak	7	6						9	6	Poor	Remove
1486	Pinus radiata	Monterey Pine	19	10						21	13	Poor	Remove
1487	Pinus radiata	Monterey Pine	11							11	7	Poor	Remove
1490	Quercus agrifolia	Coast Live Oak	8	7	7	6				14	9	Poor	Remove
1514	Leptospermum laevigatum	Australian Tea Tree	8	10	10					16	10	Fair	Remove and Replace
1515	Leptospermum laevigatum	Australian Tea Tree	9							9	6	Fair	Remove and Replace
1516	Hesperocyparis macrocarpa	Monterey Cypress	76							76	48	Fair	Remove and Replace
1517	Hesperocyparis macrocarpa	Monterey Cypress	17	7	7					20	12	Fair	Remove and Replace
1518	Pinus radiata	Monterey Pine	12							12	8	Fair	Remove and Replace
1519	Pinus radiata	Monterey Pine	6							6	4	Fair	Remove and Replace
1520	Pinus radiata	Monterey Pine	7							7	4	Poor	Remove
1521	Pinus radiata	Monterey Pine	9							9	6	Poor	Remove
1522	Pinus radiata	Monterey Pine	18							18	11	Poor	Remove
1523	Pinus radiata	Monterey Pine	13							13	8	Fair	Remove and Replace
1524	Pinus radiata	Monterey Pine	7							7	4	Fair	Remove and Replace
1525	Hesperocyparis macrocarpa	Monterey Cypress	23							23	14	Fair	Remove and Replace
1526	Pinus radiata	Monterey Pine	10							10	6	Fair	Remove and Replace
1527	Pinus radiata	Monterey Pine	9							9	6	Fair	Remove and Replace
1528	Pinus radiata	Monterey Pine	17							17	11	Fair	Remove and Replace
1532	Pinus radiata	Monterey Pine	25							25	16	Poor	Remove
1533	Eucalyptus sp.	Eucalyptus	11	10						15	9	*	Remove
1534	Eucalyptus sp.	Eucalyptus	14							14	9	*	Remove
1535	Quercus agrifolia	Coast Live Oak	6	6						8	5	Fair	Remove and Replace

Tree ID	Scientific Name	Common Name			Individual Stem DBH (in)	Total DBH (in)	Dripline (ft)	Condition	Status
1536	Pinus radiata	Monterey Pine	24			24	15	Dead	Remove
1537	Pinus radiata	Monterey Pine	21			21	13	Poor	Remove
1538	Pinus radiata	Monterey Pine	19			19	12	Poor	Remove
1539	Pinus radiata	Monterey Pine	24			24	15	Poor	Remove
1540	Pinus radiata	Monterey Pine	24			24	15	Dead	Remove
1541	Pinus radiata	Monterey Pine	12			12	8	Dead	Remove
1542	Pinus radiata	Monterey Pine	14			14	9	Fair	Remove and Replace
1543	Hesperocyparis macrocarpa	Monterey Cypress	64			64	40	Fair	Remove and Replace
1544	Pinus radiata	Monterey Pine	14			14	9	Fair	Remove and Replace
1545	Pinus radiata	Monterey Pine	6	9		11	7	Fair	Remove and Replace
1546	Hesperocyparis macrocarpa	Monterey Cypress	77			77	48	Good	Remove and Replace
1547	Hesperocyparis macrocarpa	Monterey Cypress	55			55	34	Good	Remove and Replace
1548	Hesperocyparis macrocarpa	Monterey Cypress	33			33	21	Fair	Remove and Replace
1549	Hesperocyparis macrocarpa	Monterey Cypress	35			35	22	Good	Remove and Replace
1550	Hesperocyparis macrocarpa	Monterey Cypress	48			48	30	Fair	Remove and Replace
1551	Hesperocyparis macrocarpa	Monterey Cypress	45			45	28	Fair	Remove and Replace
1552	Hesperocyparis macrocarpa	Monterey Cypress	30			30	19	Fair	Remove and Replace
1553	Hesperocyparis macrocarpa	Monterey Cypress	30			30	19	Fair	Remove and Replace
1554	Hesperocyparis macrocarpa	Monterey Cypress	50			50	31	Good	Remove and Replace
1555	Hesperocyparis macrocarpa	Monterey Cypress	40			40	25	Fair	Remove and Replace
1556	Quercus agrifolia	Coast Live Oak	10			10	6	Fair	Remove and Replace
1559	Hesperocyparis macrocarpa	Monterey Cypress	6	6	7	11	7	Fair	Remove and Replace
1568	Hesperocyparis macrocarpa	Monterey Cypress	39			39	24	Poor	Remove
1569	Hesperocyparis macrocarpa	Monterey Cypress	50			50	31	Fair	Remove and Replace
1570	Hesperocyparis macrocarpa	Monterey Cypress	62			62	39	Fair	Remove and Replace
1571	Hesperocyparis macrocarpa	Monterey Cypress	10	7		12	8	Fair	Remove and Replace
1572	Hesperocyparis macrocarpa	Monterey Cypress	44			44	28	Fair	Remove and Replace
1573	Eucalyptus sp.	Eucalyptus	13	11	19	26	16	*	Remove
1574	Hesperocyparis macrocarpa	Monterey Cypress	44			44	28	Fair	Remove and Replace
1575	Eucalyptus sp.	Eucalyptus	32	6		33	20	*	Remove
1582	Eucalyptus sp.	Eucalyptus	20			20	13	*	Remove
1583	Eucalyptus sp.	Eucalyptus	33			33	21	*	Remove
1585	Pinus torreyana	Torrey Pine	21			21	13	Fair	Remove and Replace
1586	Pinus radiata	Monterey Pine	15			15	9	Poor	Remove
1587	Hesperocyparis macrocarpa	Monterey Cypress	21			21	13	Fair	Remove and Replace
1588	Hesperocyparis macrocarpa	Monterey Cypress	39			39	24	Fair	Remove and Replace

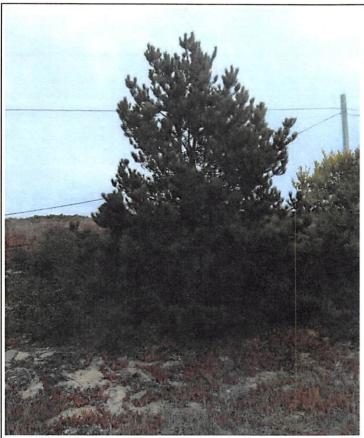
Tree ID	Scientific Name	Common Name					Iı	ndivid	ual Si	em L	OBH ((in)						Total DBH (in)	Dripline (ft)	Condition	Status
1589	Eucalyptus sp.	Eucalyptus	7															7	4	*	Remove
1591	Eucalyptus sp.	Eucalyptus	8	10	10	10	11	12	10	7	7							29	18	*	Remove
1592	Eucalyptus sp.	Eucalyptus	11	11	10	6	6	13	12	6	10	6	10	9	7	12	8	37	23	*	Remove
1593	Eucalyptus sp.	Eucalyptus	17															17	11	*	Remove
1594	Eucalyptus sp.	Eucalyptus	13	15	15	13	12	9	17	8								37	23	*	Remove
1595	Eucalyptus sp.	Eucalyptus	13															13	8	*	Remove
1596	Eucalyptus sp.	Eucalyptus	6															6	4	*	Remove
1597	Eucalyptus sp.	Eucalyptus	8															8	5	*	Remove
1598	Eucalyptus sp.	Eucalyptus	9															9	6	*	Remove
1599	Eucalyptus sp.	Eucalyptus	13	10	8	11	10	11	9									27	17	*	Remove
1600	Eucalyptus sp.	Eucalyptus	33															33	21	*	Remove
1601	Eucalyptus sp.	Eucalyptus	16	13	13	8	6	15	11	9								33	21	*	Remove
1602	Eucalyptus sp.	Eucalyptus	9															9	6	*	Remove
1603	Eucalyptus sp.	Eucalyptus	9	9														13	8	*	Remove
1604	Eucalyptus sp.	Eucalyptus	6	12														13	8	*	Remove
1605	Eucalyptus sp.	Eucalyptus	9	9	8													15	9	*	Remove
1606	Quercus agrifolia	Coast Live Oak	6	6														8	5	Fair	Remove and Replace
1607	Pinus torreyana	Torrey Pine	16															16	10	Fair	Remove and Replace
1608	Quercus agrifolia	Coast Live Oak	9	6														11	7	Fair	Remove and Replace
1609	Quercus agrifolia	Coast Live Oak	13	10	6	8	6											20	13	Fair	Remove and Replace
1610	Quercus agrifolia	Coast Live Oak	16															16	10	Fair	Remove and Replace
1611	Quercus agrifolia	Coast Live Oak	7															7	4	Fair	Remove and Replace
1612	Quercus agrifolia	Coast Live Oak	8	6														10	6	Fair	Remove and Replace
1613	Quercus agrifolia	Coast Live Oak	7	7														10	6	Poor	Remove
1614	Quercus agrifolia	Coast Live Oak	6															6	4	Fair	Remove and Replace
1615	Quercus agrifolia	Coast Live Oak	13	10	6													17	11	Fair	Remove and Replace
1616	Quercus agrifolia	Coast Live Oak	9	7														11	7	Fair	Remove and Replace
1617	Quercus agrifolia	Coast Live Oak	7	6														9	6	Fair	Remove and Replace
1618	Quercus agrifolia	Coast Live Oak	6	6	8													12	7	Fair	Remove and Replace
1619	Pinus torreyana	Torrey Pine	7															7	4	Fair	Remove and Replace
1620	Pinus radiata	Monterey Pine	10	9														13	8	Dead	Remove
1621	Pinus radiata	Monterey Pine	20															20	13	Poor	Remove
1622	Pinus radiata	Monterey Pine	10	9	9													16	10	Poor	Remove
1623	Pinus torreyana	Torrey Pine	6															6	4	Fair	Remove and Replace
1624	Pinus radiata	Monterey Pine	22	6														23	14	Fair	Remove and Replace
1625	Pinus torreyana	Torrey Pine	6															6	4	Fair	Remove and Replace

Tree ID	Scientific Name	Common Name					Individual Stem DBH (in)	Total DBH (în)	Dripline (ft)	Condition	Status
1626	Pinus radiata	Monterey Pine	16					16	10	Fair	Remove and Replace
1627	Pinus radiata	Monterey Pine	11	7				13	8	Fair	Remove and Replace
1628	Pinus radiata	Monterey Pine	8					8	5	Fair	Remove and Replace
1629	Pinus radiata	Monterey Pine	19					19	12	Poor	Remove
1630	Pinus radiata	Monterey Pine	33	9				34	21	Poor	Remove
1631	Pinus radiata	Monterey Pine	7					7	4	Poor	Remove
1632	Quercus agrifolia	Coast Live Oak	7	6				9	6	Fair	Remove and Replace
1633	Quercus agrifolia	Coast Live Oak	7					7	4	Fair	Remove and Replace
1634	Quercus agrifolia	Coast Live Oak	13	11	7	6	8	21	13	Fair	Remove and Replace
1635	Quercus agrifolia	Coast Live Oak	12					12	8	Fair	Remove and Replace
1636	Quercus agrifolia	Coast Live Oak	6					6	4	Fair	Remove and Replace
1637	Quercus agrifolia	Coast Live Oak	12	6	10			17	10	Fair	Remove and Replace
1638	Quercus agrifolia	Coast Live Oak	6	6				8	5	Fair	Remove and Replace
1639	Pinus radiata	Monterey Pine	23					23	14	Poor	Remove
1640	Quercus agrifolia	Coast Live Oak	10	9				13	8	Fair	Remove and Replace
1641	Quercus agrifolia	Coast Live Oak	8	7	7			13	8	Fair	Remove and Replace
1643	Quercus agrifolia	Coast Live Oak	12	10				16	10	Fair	Remove and Replace
1644	Quercus agrifolia	Coast Live Oak	6	6				8	5	Fair	Remove and Replace
1645	Quercus agrifolia	Coast Live Oak	10	12				16	10	Fair	Remove and Replace
1646	Pinus radiata	Monterey Pine	7					7	4	Fair	Remove and Replace
1647	Quercus agrifolia	Coast Live Oak	11	11	9			18	11	Fair	Remove and Replace
1648	Quercus agrifolia	Coast Live Oak	8	7	6			12	8	Fair	Remove and Replace
1649	Quercus agrifolia	Coast Live Oak	7					7	4	Fair	Remove and Replace
1650	Quercus agrifolia	Coast Live Oak	13	22	20			32	20	Poor	Remove

^{*}Per UVSP Tree Standards, eucalyptus condition was not recorded.

APPENDIX C

Photo Log



Tree 1418. Monterey Pine

Tree 1419. Torrey Pine



Tree 1420. Monterey Cypress



Tree 1421. Monterey Cypress



Tree 1422. Monterey Cypress



Tree 1423. Australian Tea Tree



Tree 1424. Monterey Cypress



Tree 1428. Australian Tea Tree



Tree 1430. Monterey Cypress

Tree 1429. Australian Tea Tree



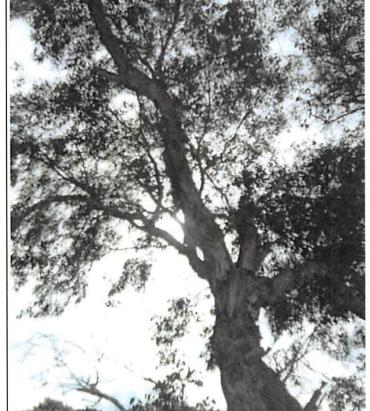
Tree 1431. Monterey Cypress

1432. Tree Monterey Cypress



Tree 1434. Monterey Cypress

Tree 1433. Monterey Cypress





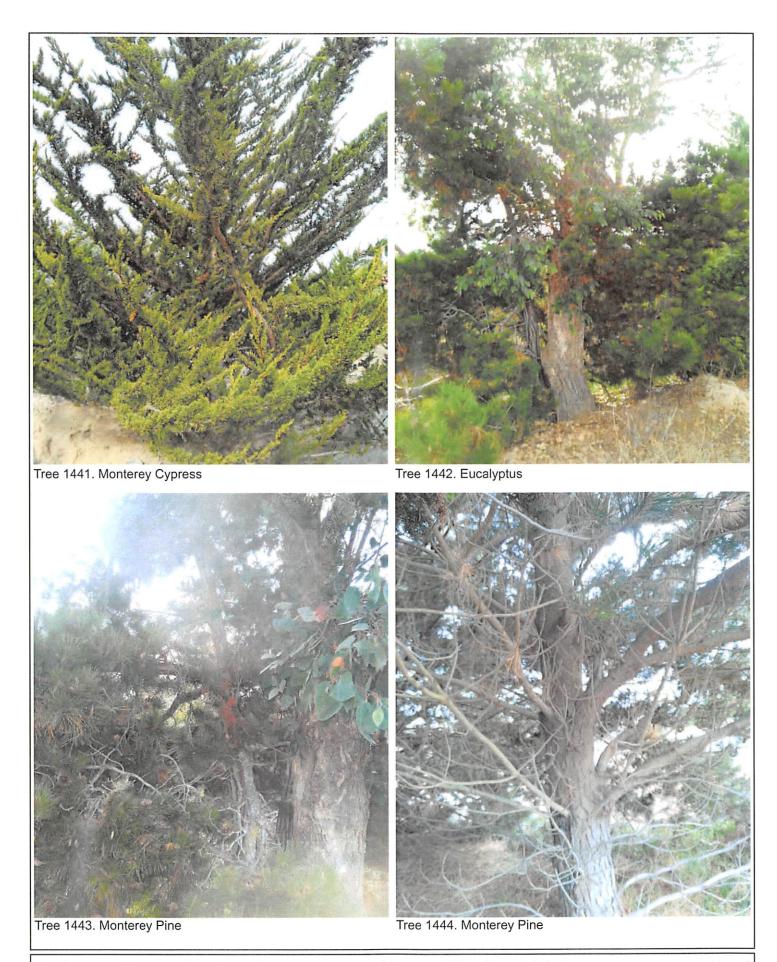
Tree 1435. Eucalyptus

Tree 1436. Eucalyptus

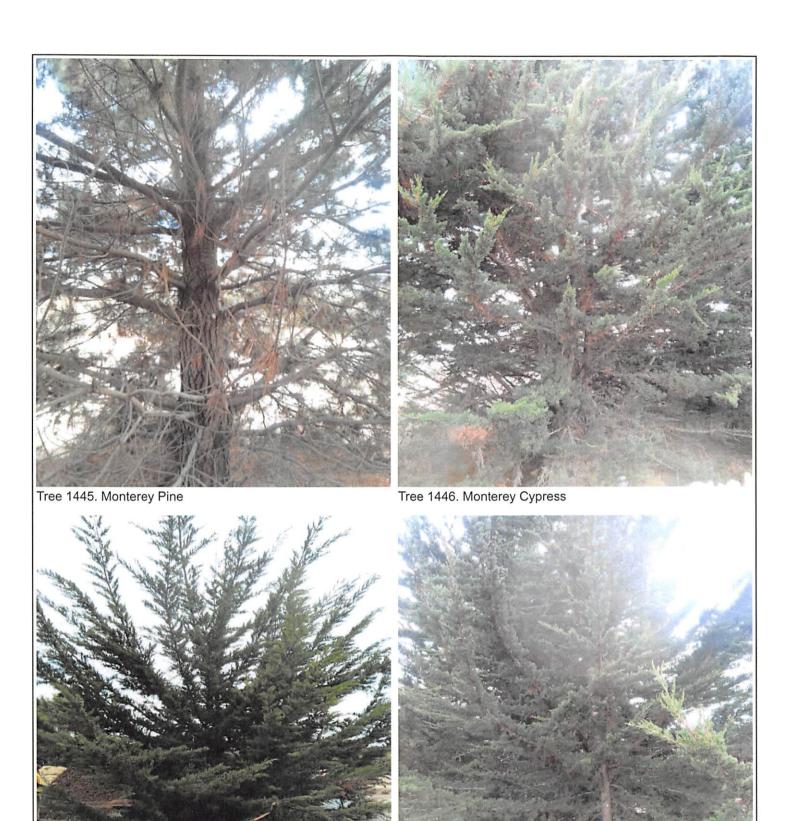


Tree 1439. Eucalyptus

Tree 1440. Monterey Pine



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1447. Monterey Cypress

Tree 1448. Monterey Cypress



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1454. Monterey Cypress

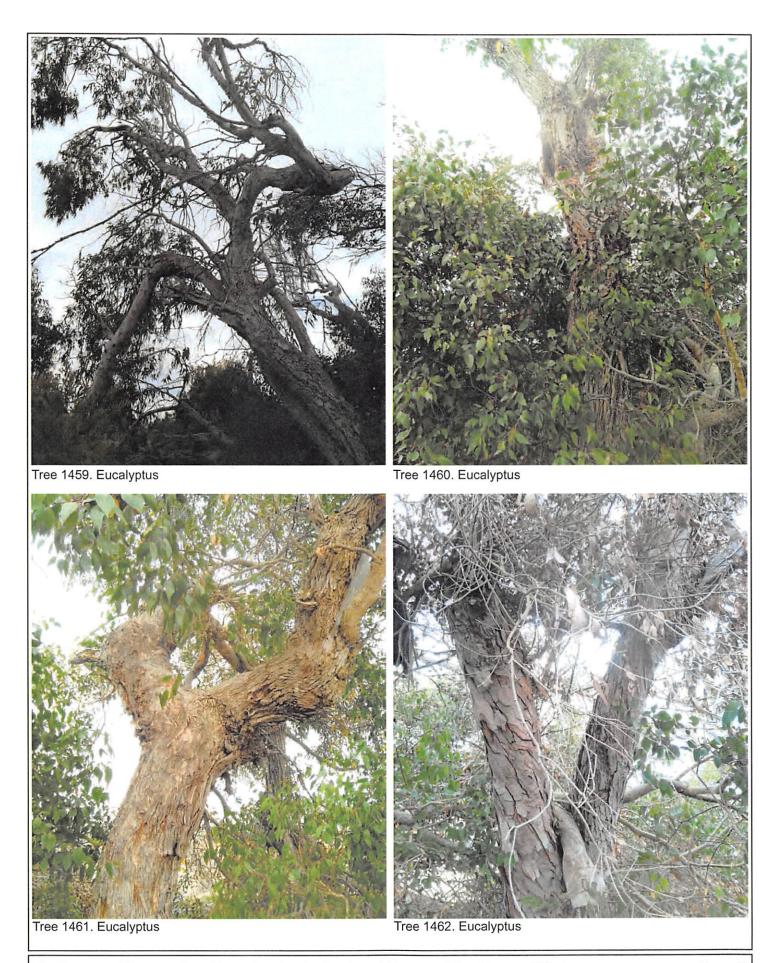


Tree 1455. Eucalyptus

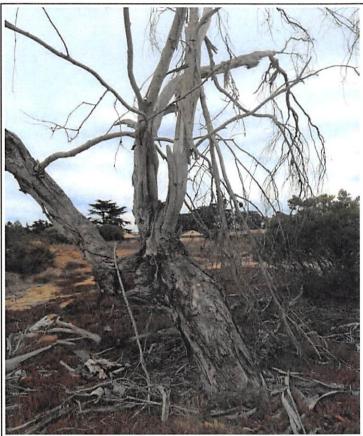


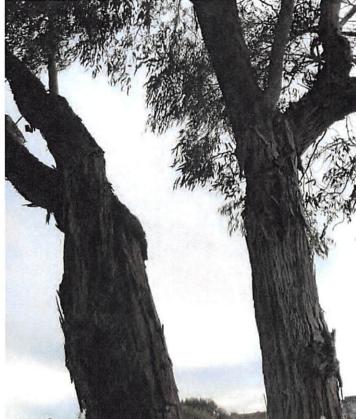
Tree 1457. Eucalyptus

Tree 1458. Eucalyptus



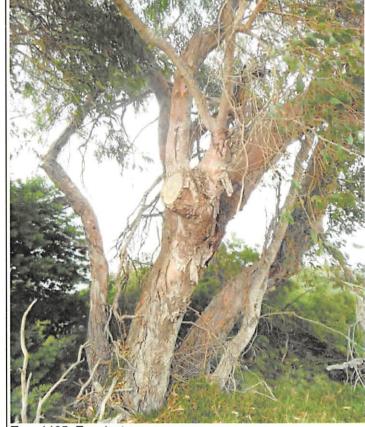
The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos

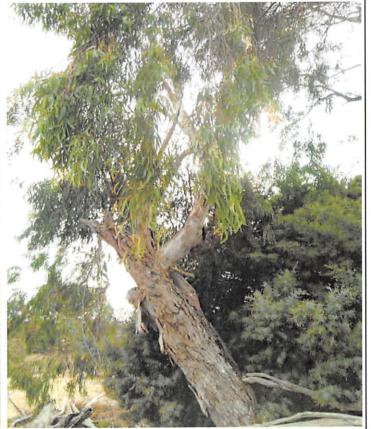




Tree 1463. Eucalyptus

Tree 1464. Eucalyptus





Tree 1465. Eucalyptus

Tree 1466. Eucalyptus



Tree 1467. Eucalyptus

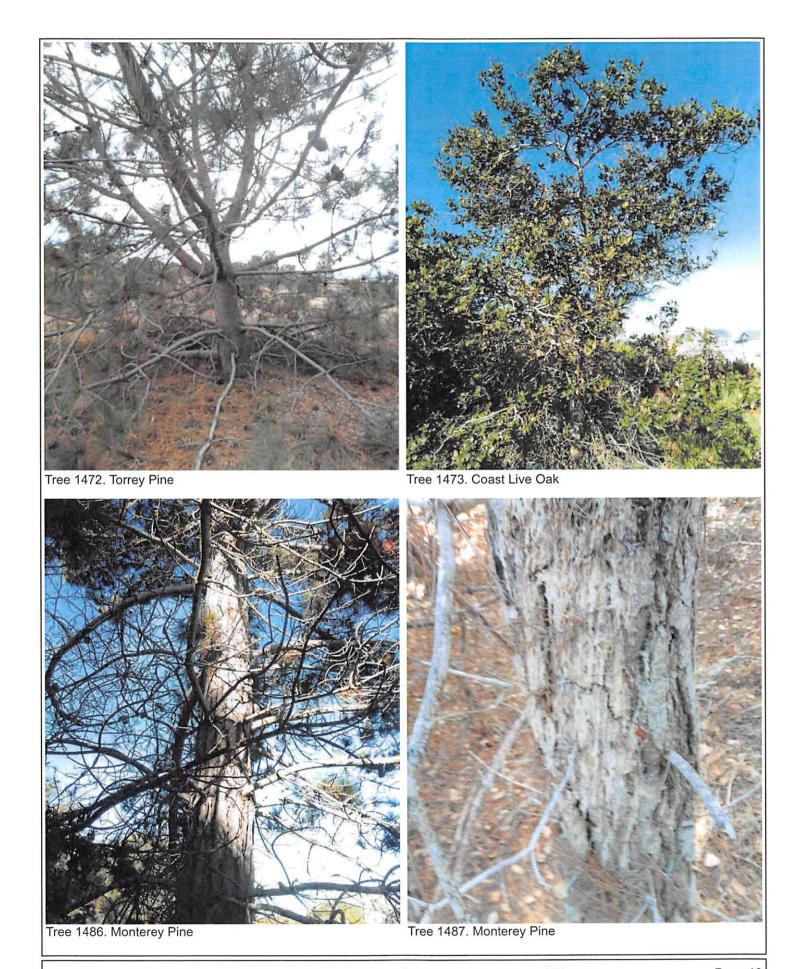


Tree 1469. Eucalyptus



Tree 1470. Eucalyptus

Tree 1471. Eucalyptus



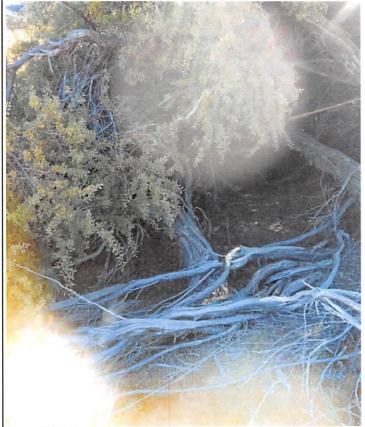
The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1490. Coast Live Oak



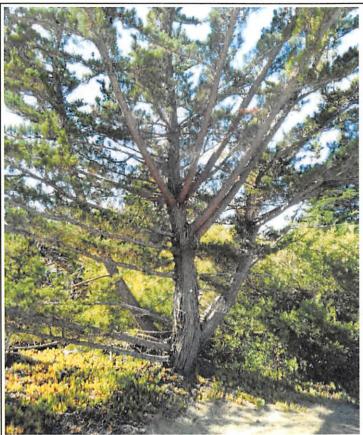
Tree 1514. Australian Tea Tree



Tree 1515. Australian Tea Tree



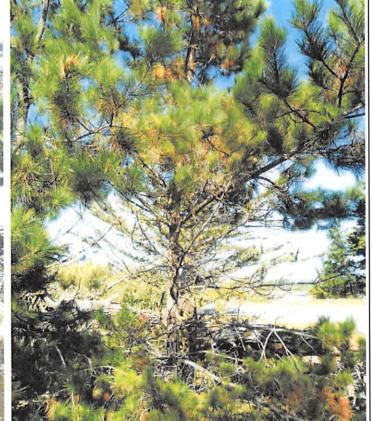
Tree 1516. Monterey Cypress



Tree 1517. Monterey Cypress

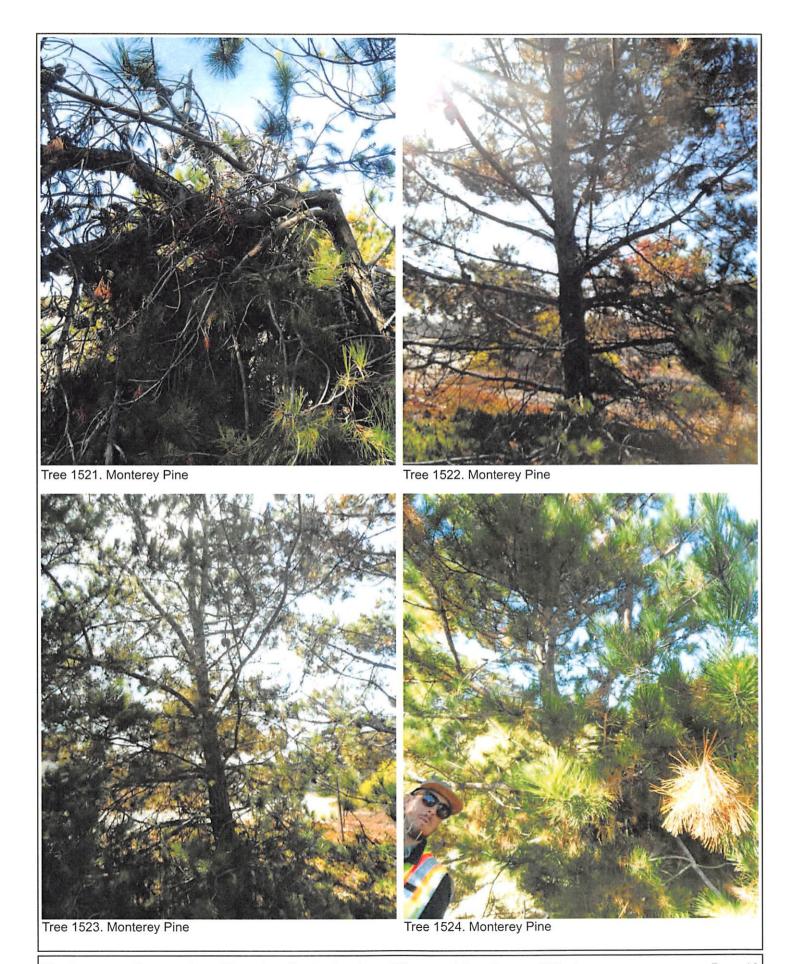
Tree 1518. Monterey Pine





Tree 1519. Monterey Pine

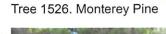
Tree 1520. Monterey Pine

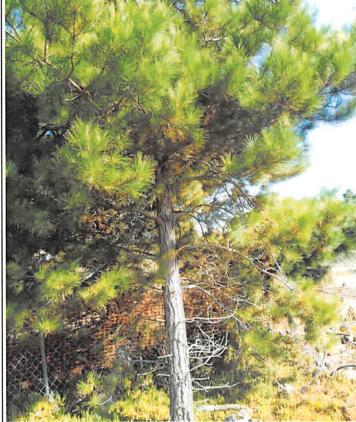


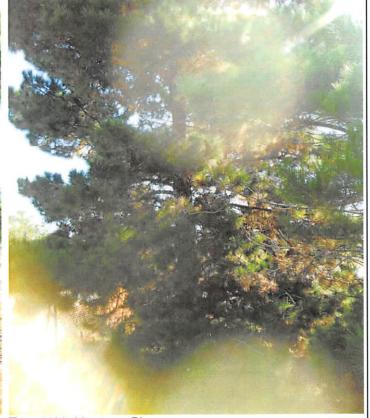
The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1525. Monterey Cypress







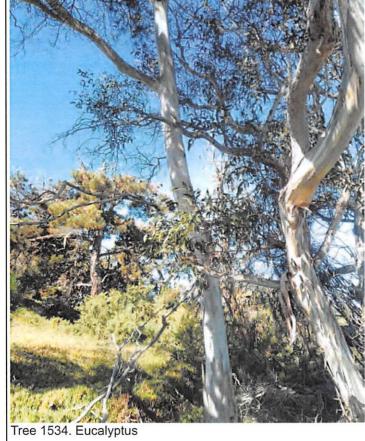
Tree 1527. Monterey Pine

Tree 1528. Monterey Pine



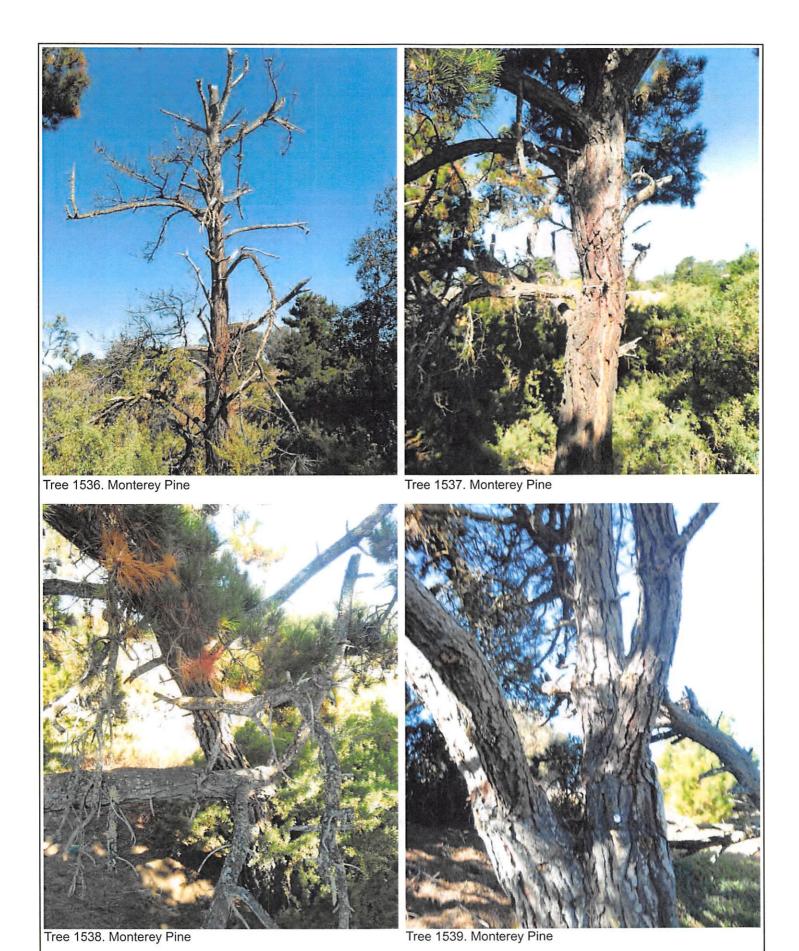
Tree 1532. Monterey Pine

Tree 1533. Eucalyptus

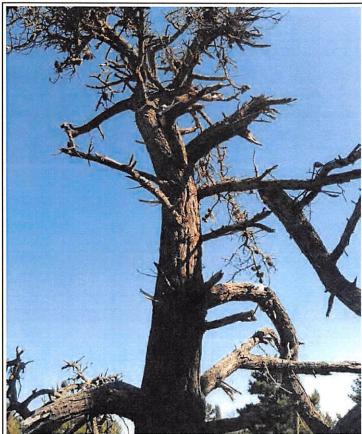




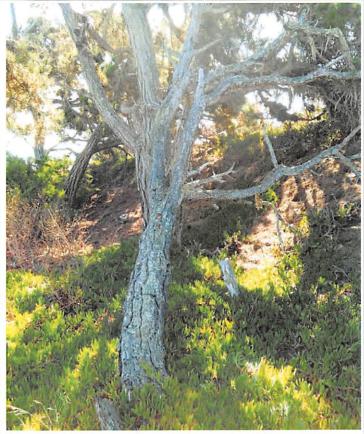
Tree 1535. Coast Live Oak



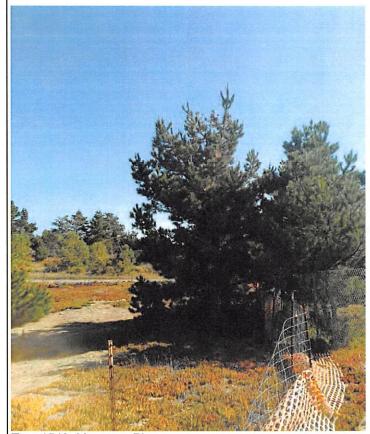
The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1540. Monterey Pine



Tree 1541. Monterey Pine



Tree 1542. Monterey Pine



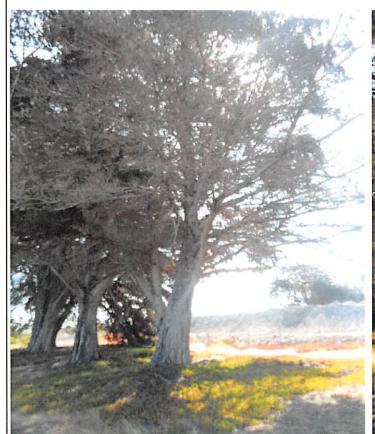
Tree 1543. Monterey Cypress



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1548. Monterey Cypress



Tree 1550. Monterey Cypress



Tree 1549. Monterey Cypress

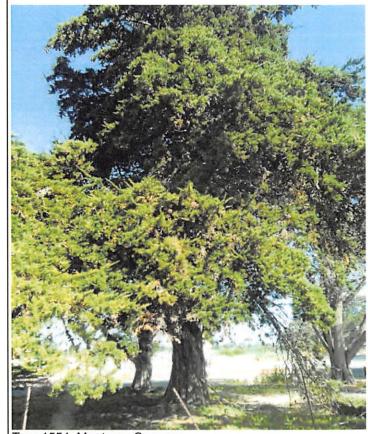


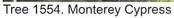
Tree 1551. Monterey Cypress



Tree 1552. Monterey Cypress

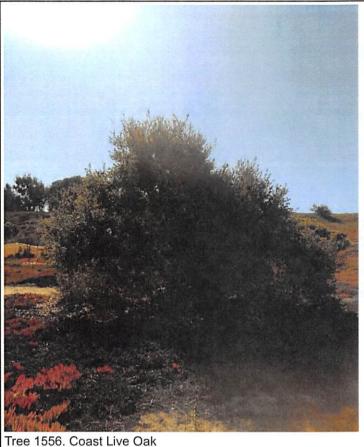
Tree 1553. Monterey Cypress







Tree 1555. Monterey Cypress





Tree 1559. Monterey Cypress





Tree 1568. Monterey Cypress

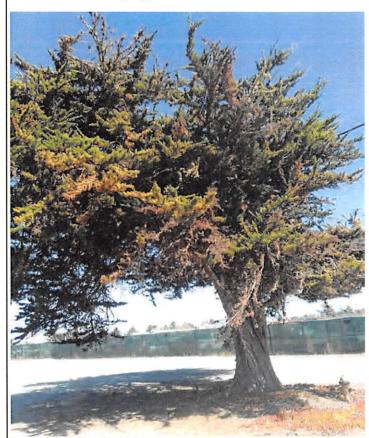
Tree 1569. Monterey Cypress



Tree 1570. Monterey Cypress



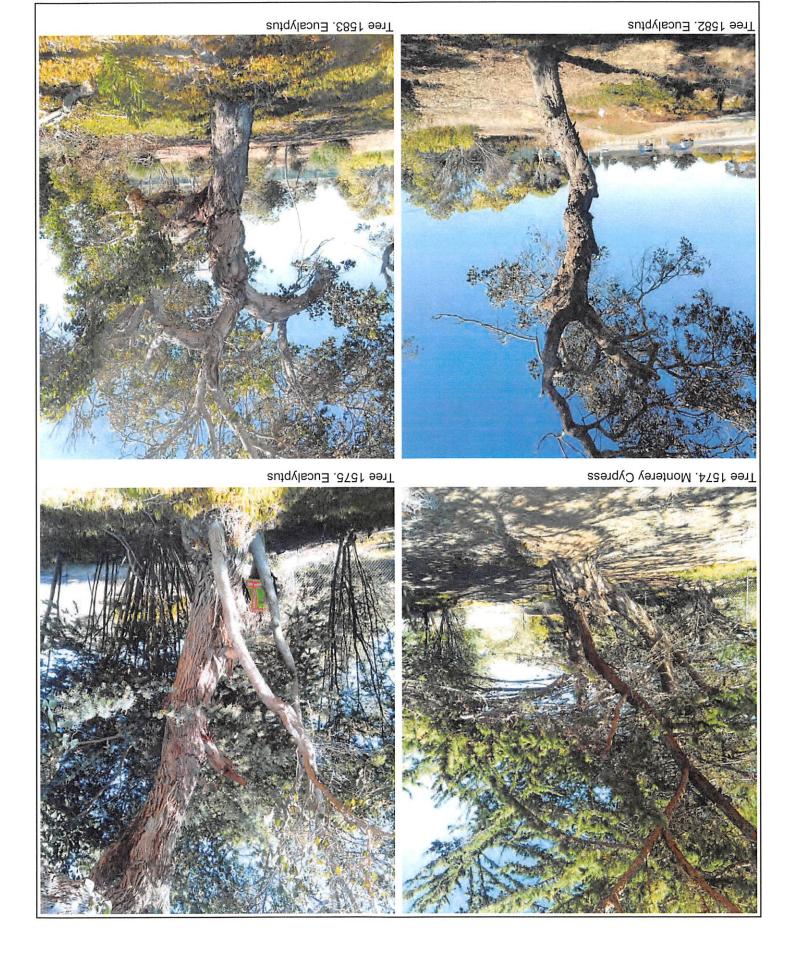
Tree 1571. Monterey Cypress



Tree 1572. Monterey Cypress



Tree 1573. Eucalyptus



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos

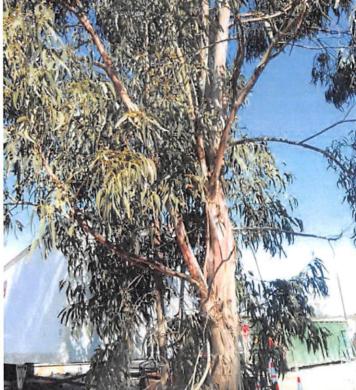




Tree 1589. Eucalyptus

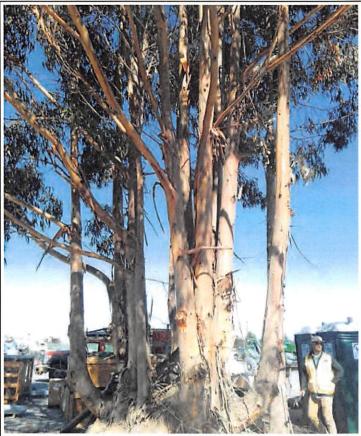
Tree 1591. Eucalyptus





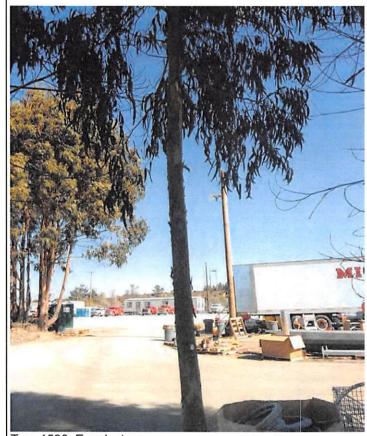
Tree 1592. Eucalyptus

Tree 1593. Eucalyptus



Tree 1595. Eucalyptus

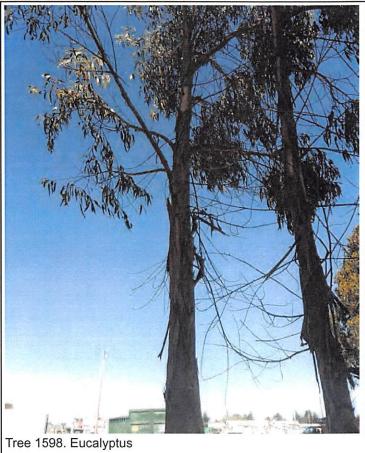
Tree 1594. Eucalyptus



Tree 1596. Eucalyptus



Tree 1597. Eucalyptus





Tree 1600. Eucalyptus





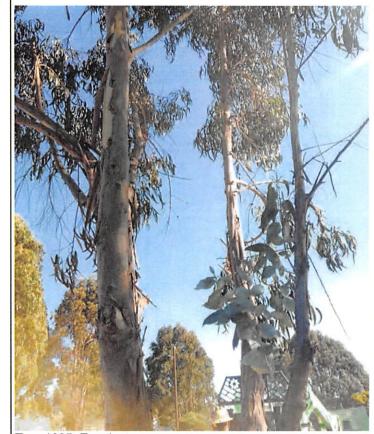
Tree 1601. Eucalyptus

Tree 1602. Eucalyptus



Tree 1604. Eucalyptus

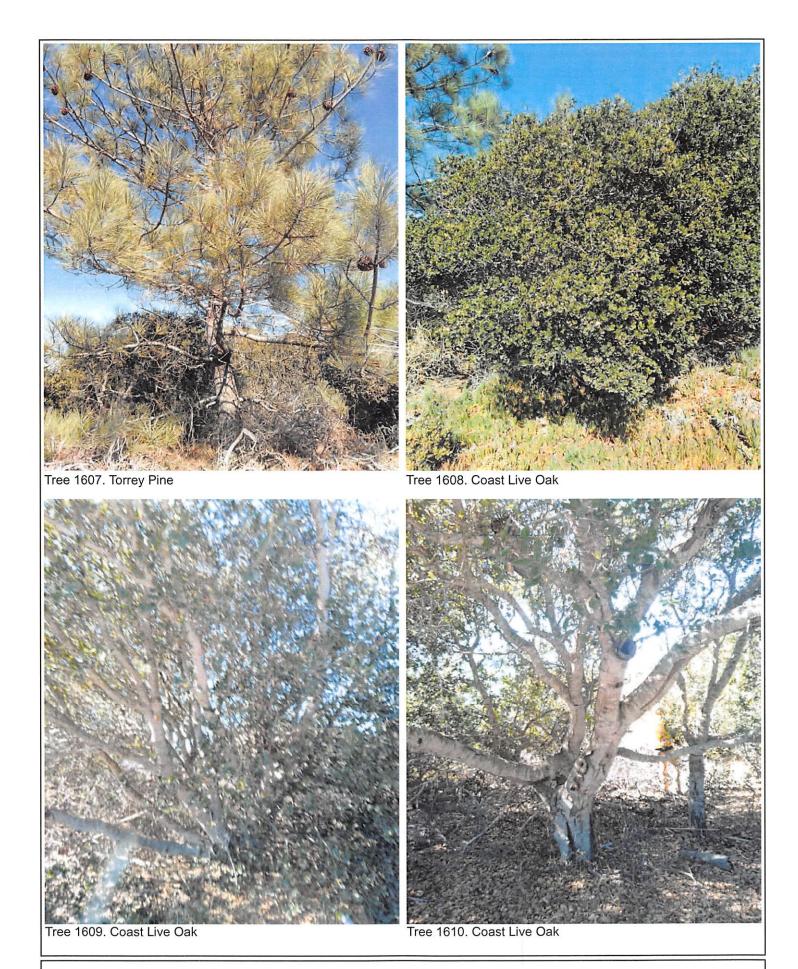
Tree 1603. Eucalyptus



Tree 1605. Eucalyptus



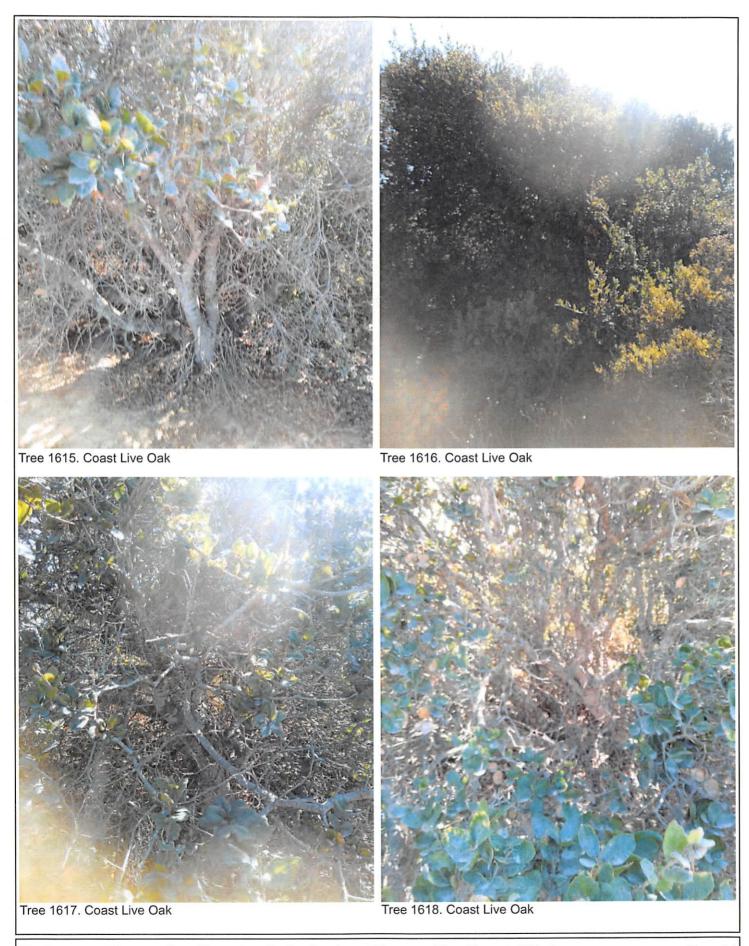
Tree 1606. Coast Live Oak



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



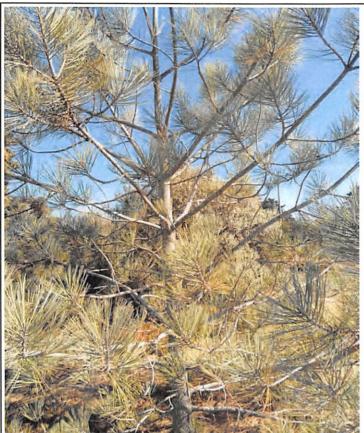
Tree 1620. Monterey Pine



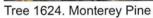


Tree 1621. Monterey Pine

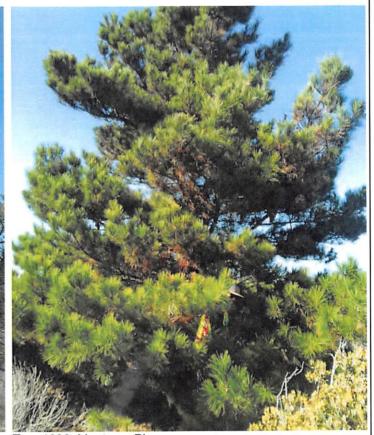
Tree 1622. Monterey Pine



Tree 1623. Torrey Pine

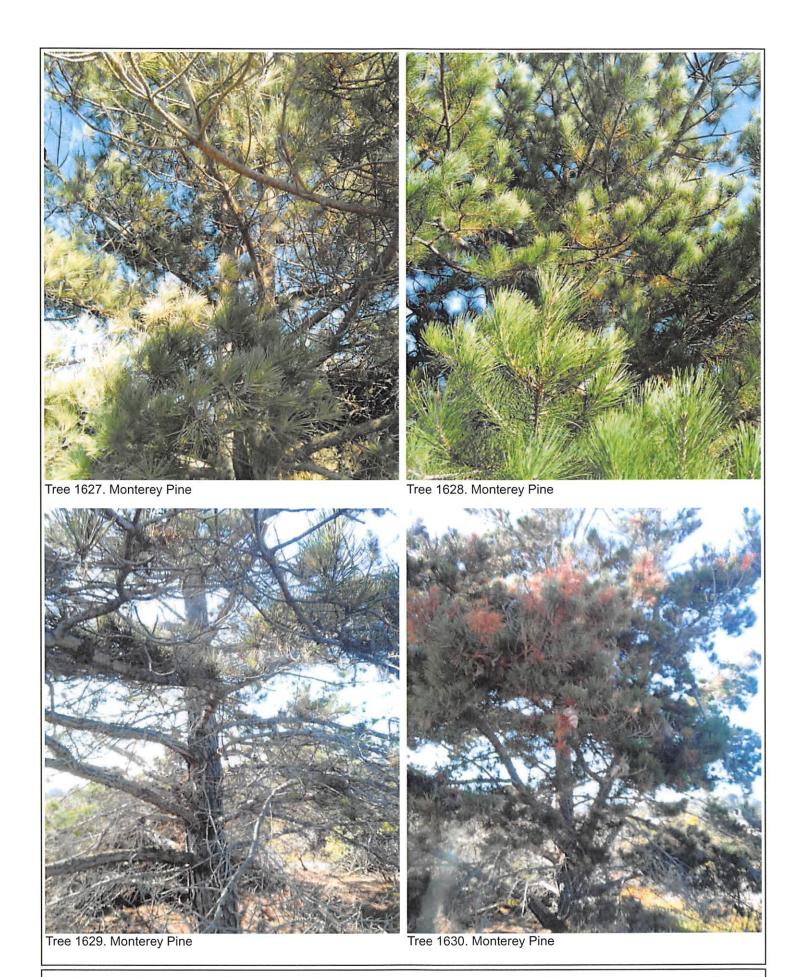






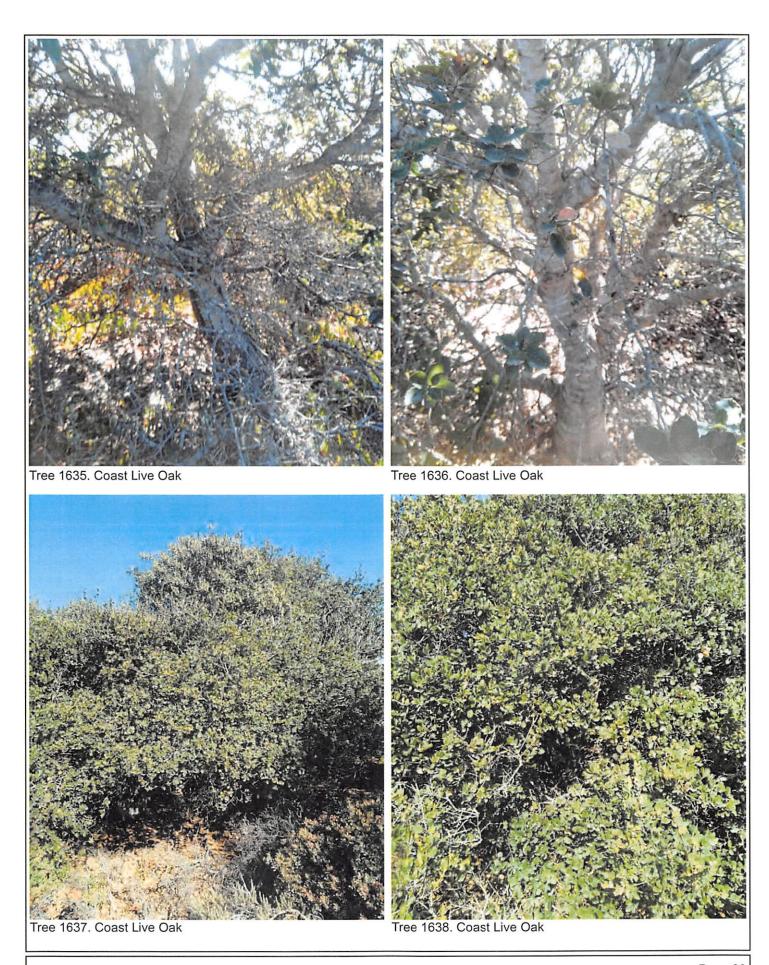
Tree 1625. Torrey Pine

Tree 1626. Monterey Pine



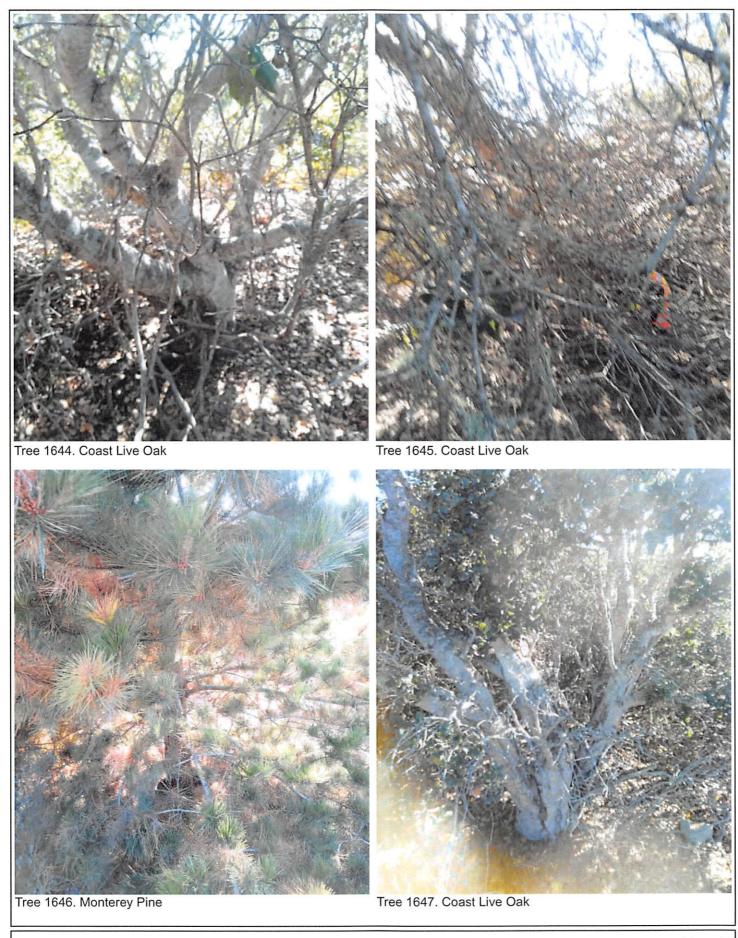


The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos





The Dunes on Monterey Bay, Phase 2 — Evaluation Area 3 Proposed Tree Removal Photos



Tree 1648. Coast Live Oak



Tree 1650. Coast Live Oak

Tree 1649. Coast Live Oak



RECOMMENDED BEST MANAGEMENT PRACTICIES FOR TREE PRESERVATION

Tree Protection

Fencing and Barricades

All trees in the project area which are scheduled for preservation shall be temporarily fenced prior to all project-related activities. Fencing shall be installed at the edge of the root zone (the area located within 15 times the trunk diameter in all directions) unless an alternate location is determined essential to the construction of the project. Fencing shall consist of chain link or plastic link fence which is maintained at a minimum height of four feet above grade during all phases of construction.

Fenced areas shall not be used for material stockpile, storage, or vehicle parking. Dumping of materials, chemicals, or garbage shall be prohibited within fenced areas. Fenced areas shall be maintained in natural condition at natural or existing grade and shall not be compacted.

All approved construction within the root zone shall include construction barricades. Barricades shall be upright and be constructed from two-inch by four-inch planks standing a minimum of eight feet vertically, conforming to the tree, and shall be tied with wire or rope forming a maximum of one-inch space between the planks. If the tree's configuration or site conditions do not lend themselves to the installation of this type barricade, a certified arborist or City Forester shall designate alternate tree protection methods. Under certain conditions where soil compaction is probable, fences may also be required around a tree or grouping of trees. The use of recycled lumber, synthetic lumber, or similar materials approved by a certified arborist or City Forester is encouraged.

Tree Pruning

Tree pruning shall be minimal but, when necessary, shall be performed in accordance with American National Safety Institute (ANSI) A300 Pruning Standards. Pruning may include the larger canopied trees that have deadwood or are exhibiting some minor structural defect or minor disease that must be compensated. Should the health and vigor of any tree decline, it shall be treated as appropriately recommended by a certified arborist or qualified forester. In general, trees shall be assessed then pruned first for safety (e.g., broken and cracked limbs shall be removed in high-traffic areas of concern), next for health, and finally for aesthetics. No more than 25% of the overall tree crown shall be pruned in one season.

Tree pruning may include crown thinning, crown raising, crown reduction, or crown restoration, as described below.

Crown Thinning

Crown thinning is the cleaning out of or removal of dead, diseased, weakly attached, or low vigor branches from a tree crown. Crown thinning shall be conducted as follows:

- All trees shall be pre-assessed on how the tree will be pruned from the top down.
- Tree trimmers shall favor branches with strong, U-shaped angles of attachment and, where possible, remove branches with weak, V-shaped angles of attachment and/or included bark.
- Lateral branches shall be evenly spaced on the main stem of young trees and areas of fine pruning.
- Branches that rub or cross another branch shall be removed where possible.
- Lateral branches shall be no more than one-half to three-quarters of the diameter of the stem to discourage the development of co-dominant stems where feasible.
- In most cases, trimmers shall not remove more than one-quarter of the living crown of a tree at one time. If it is necessary to remove more, it shall be done over successive years.

Crown Raising

Crown raising removes the lower branches of a tree to provide clearance for buildings, vehicles, pedestrians, and vistas. Crown raising shall be conducted as follows:

- Live branches on at least two-thirds of a tree's total height shall be maintained wherever possible. The removal of too many lower branches would hinder the development of a strong stem.
- All basal sprouts and vigorous epicormic sprouts shall be removed where feasible.

Crown Reduction

Crown reduction is used to reduce the height and/or spread of trees and is used for maintaining the structural integrity and natural form of a tree. Crown reduction shall be conducted only when absolutely necessary, as follows:

- Pruning cuts shall be at a lateral branch that is at least one-third the diameter of the stem to be removed wherever possible.
- When it is necessary to remove more than half of the foliage from a branch, it may be necessary remove the entire branch.

Crown Restoration

Crown restoration is used to improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One of three sprouts on main branch stubs should be selected to reform a natural appearing crown. Selected vigorous sprouts may need to be thinned to ensure adequate attachment for the size of the sprout. Restoration may require several years of pruning.

Root Pruning

Where alternative routes are not available, any subsurface construction related activities for the project shall avoid cutting major roots with a diameter of two inches or more, unless necessary. All approved construction within the root zone shall conform to the following construction practices:

- Hand trenching at point or line of grade cuts closest to the trunk to expose major roots two inches or more in diameter.
- In cases where rock or unusually dense soil prevents hand trenching, mechanical trenching may be
 permitted provided that work inside the dripline is closely supervised to prevent tearing or other damage
 to major roots.
- Exposed major roots shall be cut with a saw to form a smooth surface and avoid tearing or jagged edges.
- Absorbent tarp or heavy cloth fabric shall be placed over grade cuts where roots are exposed and secured with stakes and two to four inches of compost or wood chips spread over the tarp to prevent moisture loss. Care shall be taken that moisture levels beneath tarped areas remain comparable to surrounding areas until backfilling occurs. Some watering of these areas may be necessary to maintain moisture levels, and such measures shall remain in effect through all phases of construction, including all delays and other periods of inactivity.

ATTACHMENT 4



DENISE DUFFY & ASSOCIATES, INC.

PLANNING AND ENVIRONMENTAL CONSULTING

MEMORANDUM

Date: December 16, 2020

To: Doug Yount, Project Director

Shea Homes

From: Patric Krabacher, ISA Certified Arborist 11759/Environmental Scientist

Denise Duffy & Associates, Inc.

RE: Arborist Report to Obtain a Supplemental Tree Removal Permit for The Dunes on Monterey Bay

Project, Phase 2 East – Evaluation Area 3

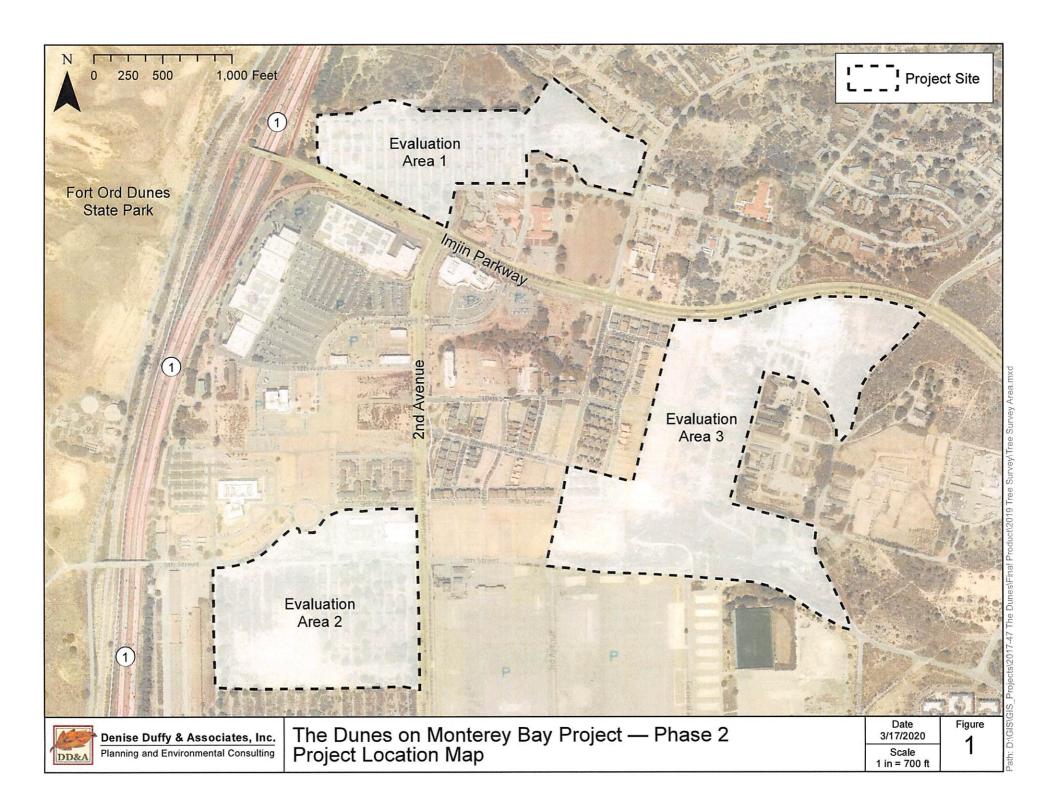
Denise Duffy & Associates, Inc. (DD&A) is contracted by Shea Homes (SH) to provide environmental consulting services for The Dunes on Monterey Bay Project, Phase 2 East— Evaluation Area 3 (project; Figure 1; Appendix A). To inform the development of project design plans that preserve as many healthy trees as practicable, DD&A conducted a field inventory of protected trees—as defined by the City of Marina (City) and the University Villages Specific Plan (UVSP)—within the project site on December 5, 2020. The tree inventory was conducted in accordance with the City-approved UVSP Existing Tree Removal, Relocation, and Replacement Standards (UVSP Tree Standards; approved on May 31, 2005), the project's Final Environmental Impact Report (FEIR; SCH. NO.2004091167) and Resolution, the project's Mitigation Monitoring and Reporting Program (MMRP), and 2005 Marina Municipal Code (MMC) Chapter 12.04 (Tree Removal, Preservation, and Protection).

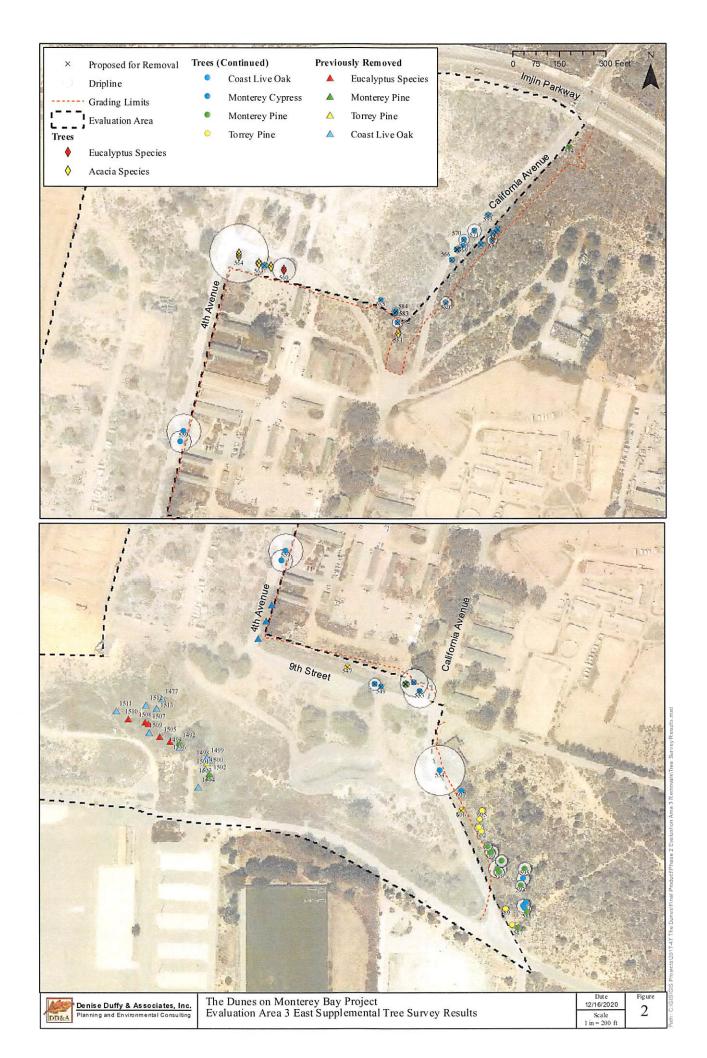
MMC Chapter 12.04 requires a tree removal permit from the City to remove, relocate, or damage protected trees within City limits. Based on current design plans for the project and the results of the field survey of protected trees, 28² trees are proposed for removal as part of updated grading and fill activities to complete the project (**Figures 2**; **Appendices B** and C³). 22 trees were inadvertently removed during the initial grading of Evaluation Area 3 and shall be mitigated in accordance with MMC Section 12.040.100 Restitution for Violations. Additional tree removal and, therefore, additional tree removal permits, may be required during future excavations or construction. This report satisfies the requirements of MMC Section 12.04.060 and includes the tree survey results; recommended actions to mitigate potential and preceding impacts to trees which are proposed for removal or have previously been removed, to adjacent trees, and to other sensitive biological resources; and a completed tree removal permit application to remove 28 trees.

¹ To remain in compliance with the approved MMRP and FEIR (see Impact BR-2.2), the 2005 MMC 12.04 was used rather than the current tree protection ordinance (MMC 17.51).

² Please note that, in addition to these 28 trees, six acacia trees which are proposed for removal were only mapped and not recorded, per UVSP Development Regulations, Page 118: "Acacia trees will not be recorded in table, but locations will be noted on map".

³ Please note that trees 555, 556, and 557 were removed prior to data collection; consequently, they do not have DBH or photos presented in Appendices B and C.





METHODS

Limitations

At the direction of SH, this assessment is based exclusively on the UVSP Tree Standards. It is not the intent of this report to provide a monetary valuation of the trees or provide risk assessment for any tree on this parcel, as any tree can fail at any time. No clinical diagnosis was performed on any pest or pathogen that may or may not be present within the site. In addition to an inspection of the property, DD&A relied on information provided by SH (such as survey data, property boundaries, and property ownership information) to prepare this report, and must reasonably rely on the accuracy of the information provided. DD&A shall not be responsible for another's means, methods, techniques, schedules, or procedures, or for contractor safety or any other related programs, or for another's failure to complete the work in accordance with approved plans and specifications.

Regulatory Framework

City of Marina Municipal Code

The City's 2005 MMC Chapter 12.04 requires a tree removal permit to remove, damage, or relocate, or cause to be removed, damaged, or relocated any tree on any property within City limits, unless exempted by MMC Sections 12.04.040 or 12.04.050. MMC Section 12.04.030 also prohibits construction activities within the dripline of any tree, unless these activities are conducted in compliance with tree protection guidelines adopted by resolution of the planning commission. MMC Section 12.040.100 provides the framework for mitigation required to unauthorized tree removals and states that "the planting of replacement trees on site or the payment to the city to fund the purchase, planting and maintenance of offsite tree plantings should be in accordance with the tree replacement formula found in Section 12.04.060C (2:1) multiplied by three (6:1) for each tree removed in violation of this chapter."

MMC defines "tree" as any living woody perennial plant having a single stem of six inches or more measured at four and one-half feet above the ground while standing on the high side of the tree, also referred to as diameter at breast height (DBH), or a multi-stemmed plant having an aggregate diameter of ten inches or more measured at DBH, and any living woody perennial plant which was planted in accordance with requirements of an approved compensation plan or was planted as part of a landscaping plan approved by the city. MMC defines "dripline" as the greater of the outermost edge of the tree's canopy, or fifteen times DBH measured from the center point of the tree.

UVSP Tree Standards

UVSP Tree Standards call for the preservation of as many healthy Monterey cypress trees and oak trees as practicable. In accordance with the UVSP Tree Standards, Monterey cypress trees and oak trees that are in good or fair condition must be protected during construction and preserved wherever practicable. If relocation is possible, Monterey cypress and oak trees shall be removed by machinery, be immediately replanted at a new site, and be watered and fertilized. Existing healthy trees determined to be in good or fair condition and that are removed shall be replaced on-site at a ratio of two replacement trees for every one tree removed (2:1). UVSP classifies tree health based on the following definitions:

• Good. Tree is healthy and vigorous as indicated by color of foliage and density, has no apparent signs of insect, disease, structural defects or mechanical injury. Tree has good form and structure.

- Fair. Tree is in average condition and vigor for the area, but may show minor insect, disease, or physiological problems. Trees rated as Fair/Poor may be improved with correctional pruning.
- Poor. Tree that is in a general state of decline and may show severe structural or mechanical defects which may lead to failure, may have insect or disease damage, but is not dead.
- Dead/Snags. Dead standing trees.

Survey Methods

DD&A biologists, led by ISA Certified Arborist Patric Krabacher, conducted tree surveys of the project site on October 4, 9, 10, 11, 14, 16, and 17, 2019 for trees with tag identification numbers ranging from 1477 to 1513⁴, and on December 5 and 7, 2020 for trees with tag identification numbers ranging from 547 to 607. The survey area encompassed the project's construction limits and the modified grading limits on the eastern side of Evaluation Area 3 (Figure 2)⁵. Protected trees (trees that require a tree removal permit from the City and/or are considered protected in the UVSP) were inventoried in accordance with FEIR and MMRP Mitigation Measure (MM) BR-2.2, as follows:

Any tree removal that occurs during the construction phase of the project shall be subject to the conditions in the City of Marina Municipal Code Chapter 12.04 (Tree Removal and Protection) or the UVSP tree standards and shall be mitigated accordingly.

Trees within the survey area were inventoried in accordance with the following protocol, which was designed to meet the requirements of both MMC Chapter 12.04 and the USVP Tree Standards:

- All trees (including dead snags) 6" DBH or greater were tagged with a GPS location and a numbered aluminum marker (on the most feasible/visible location possible).
- Tree diameter was recorded at breast height (4.5 feet above ground) or (for multi-stemmed trees) at the most representable location.
- Multi-stemmed trees were recorded as one tree if the root crown (the point where the trunk meets natural grade) was contiguous. Multi-stemmed tree DBH was calculated by taking the square root of the squared sum of all stems measured (√[Stem 1 DHB²+ Stem 2 DBH²+ Stem 3 DBH²...]). This equation returns the diameter at the base of the tree (Chojnacky, 1999).
- Species, size, and health class were recorded for each tree.

Tree health was based on the UVSP classification system and was evaluated by visually inspecting each tree from its root crown to its foliar canopy for signs of decay, disease, or insect infestations.

GPS data were collected using a Trimble® TDC600 GPS and were then digitized using Trimble® TerraFlex and ESRI® ArcGIS 10.4. GPS data were collected using geographic coordinate system Universal

⁴ These trees were surveyed previously as part of Phase 2 of the UVSP. Trees that have been previously approved for removal are not referenced in this report; only those that were previously identified for retainment and are now proposed for removal are included in this report.

⁵ Some trees outside the survey area were inventoried because part of their canopy fell within the survey area and could potentially be impacted by construction activities.

Transverse Mercator (UTM) Zone 10 North and the World Geodetic System 1984 (WGS84) datum. The Trimble® TDC600 GPS has a GNSS accuracy of 1.5 meters.

RESULTS

All 22 tree that have been previously removed have been assumed to be in fair condition. Of the 28 trees inventoried in December 2020, approximately 92 percent are in fair condition, seven (7) percent are in good condition, and two percent are in poor condition. No dead snags were observed during the survey efforts (Figure 2; Appendix B).

TREES PROPOSED FOR REMOVAL

As a result of the grading and fill required in large portions of tree driplines, 28 trees (excluding six acacia trees per UVSP Standards) are proposed for removal in the project site (Figures 2; Appendices B and C). These include:

- Two (2) Torrey pine trees (*Pinus torreyana*) both measuring at from 6" DBH,
- Four (4) Monterey cypress trees (*Hesperocyparis macrocarpa*, syn. *Cupressus macrocarpa*) ranging from 6" to 42" DBH,
- Three (3) Monterey pine trees (*Pinus radiata*) ranging from 6" to 27" DBH,
- 18 coast live oak trees (Ouercus agrifolia) ranging from 6" to 22" DBH, and
- One (1) eucalyptus species (Eucalyptus sp.), 30" DBH.

Per UVSP Tree Standards, Page 118, eucalyptus health was not recorded. Of the remaining 27 trees planned for removal in the project, two (2) are in good condition, 25 are in fair condition, and no trees proposed for removal are in poor condition (**Appendix B**). Trees in fair condition are in average vigor for the area, but are showing signs of decay, disease, and/or insect infestations, including California oakworm, pitch canker, oak branch canker, foamy bark canker, oak ambrosia beetles, bark beetles, coryneum canker fungus (also known as cypress canker), and *Phytophthora* root, crown rot, and root rot fungus (*Armillaria* sp.).

TREES PREVIOUSLY REMOVED

22 trees were inadvertently removed during the initial grading of Evaluation Area 3. These trees were not scheduled for removal nor did they have an existing tree removal permit; however, all but three (tree 555, 556, and 557) were surveyed in accordance with MMC and UVSP standards during the initial October 2019 survey effort (Figures 2; Appendices B and C). The area where the trees were removed was proposed to be a neighborhood park and aimed to capture the natural native landscape. Trees removed inadvertently include:

- One (1) Torrey pine tree, 6" DBH,
- Three (3) Monterey cypress trees, these trees were removed prior to data collection and are referenced in this report as trees 555, 556, and 557,
- Three (3) Monterey pine trees, ranging from 6" to 17" DBH,
- 10 coast live oak, ranging from 6" to 21" DBH, and

• Five (5) eucalyptus species, ranging from 10 to 16" DBH.

All trees that were removed without an existing tree removal permit are assumed to have been in fair condition and shall be mitigated in accordance with MMC Section 12.040.100, which requires replacement of trees which were removed in violation of the code at a 6:1 ratio.

DISCUSSION

Project design plans must incorporate the mitigation measures and regulatory requirements of MMC, the FEIR, the MMRP, and the UVSP Tree Standards, as follows:

- Existing trees in good or fair condition which are removed shall be replaced on site at a ratio of two replacement trees for each tree removed (2:1). Trees that were removed without a tree removal permit shall be replaced on site at a ratio of six replacement trees for each tree removed (6:1).
- The minimum size of tree selection is 15-gallon. For trees that will be planted in areas of special
 interest, such as focal points and neighborhood entries, the minimum size of tree selection is 24"
 boxed trees.
- Pre-construction surveys for active nests shall be conducted by a qualified biologist within 250 feet of proposed construction activities no more than 30 days prior to construction. If active nests are found and the biologist determines that construction activities would adversely affect the nest or cause nest abandonment, then those activities shall be avoided in these areas until the young have fledged, as determined by the qualified biologist. Once the young have fledged, construction activities may resume in the vicinity and no further mitigation measures shall be required.
- Prior to the removal of large trees, a qualified biologist shall survey the trees for presence of
 roosting bats. If special-status bat species are determined to be present, the following
 measures shall be implemented.
 - a. Tree removal should not occur if maternity bat roosts are present (between April 15 and August 1) in the trees to be removed.
 - b. No tree removal should occur within 300 feet of the maternity roost until all young bats have fledged, as determined by a qualified biologist.
 - c. If special-status bats are present but there is not an active maternity roost, a Memorandum of Understanding (MOU) with the California Department of Fish and Wildlife (CDFW) should be obtained in order to remove the animals prior to tree removal. Alternate habitat may need to be provided if bats are to be excluded from maternity roosts. A roost with comparable spatial and thermal characteristics should be constructed as directed by a qualified biologist. In the event that adult bats need to be handled and relocated, a qualified biologist shall prepare and implement a relocation plan subject to approval by CDFW that includes relocating all bats found on-site to an alternate suitable habitat. A Mitigation and Monitoring Plan that mitigates for loss of bat roosting habitat should be prepared by a qualified biologist and approved by CDFW prior to tree removal.

CONCLUSION

Removal and replacement is recommended for trees 547–553, 561–578, 580, 582–585, and 606 (Figure 2; Appendices B and C). Removal is also recommended for eucalyptus tree 560; however, per UVSP Tree Standards, the condition for eucalyptus was not recorded and, therefore, this tree is not required to be replaced. Of the trees for which condition was recorded, 27 are in good or fair condition. Replacement is required for all trees that have already been removed without an existing tree removal permit, including trees 555–557, 1477, 1492, 1493, and 1498–513. Therefore, per UVSP Tree Standards, 54 replacement plantings are required to mitigate for the removal of healthy trees, and, per MMC, 132 replacement plantings are required to mitigate for trees which were removed without an existing permit. In total, 186 on-site replacement plantings are required. A tree removal permit from the City is required for all trees. Best management practices while working around trees are included in Appendix D.

If you have any comments or questions regarding this report, please contact Patric Krabacher at pkrabacher@ddaplanning.com or at (831) 373–4341 ext. 29.

REFERENCES

David C. Chojnacky, 1999. Converting Tree Diameter Measured at Root Collar to Diameter at Beast Height.

APPENDIX A

Site Plan



APPENDIX B

Tree Table

		The Dunes or	Montere	y Bay Pr	oject,	Phas	e 2 -	– Eva	lua	tion A	rea 3 East Sup	plemental Tree I	ventory		
	Previously Removed														
Tree ID	Scientific Name	Common Name		Individ	ual S	tem I	ВН	(in)			Total DBH (in)	Dripline (ft)	Health	Status	Comments
1477	Quercus agrifolia	Coast Live Oak	9	11							14	17.8	Fair	Removed	
1492	Pinus radiata	Monterey Pine	16	7							17	21.8	Fair	Removed	
1493	Quercus agrifolia	Coast Live Oak	6	6							8	10.6	Fair	Removed	
1498	Quercus agrifolia	Coast Live Oak	12	9							15	18.8	Fair	Removed	
1499	Quercus agrifolia	Coast Live Oak	6								6	7.5	Fair	Removed	
1500	Pinus torreyana	Torrey Pine	6								6	7.5	Fair	Removed	
1501	Quercus agrifolia	Coast Live Oak	6								6	7.5	Fair	Removed	Potential bird nest
1502	Pinus radiata	Monterey Pine	6								6	7.5	Fair	Removed	
1503	Pinus radiata	Monterey Pine	11								11	13.8	Fair	Removed	
1504	Quercus agrifolia	Coast Live Oak	8	6	9	10	6	6	8	6	21	26.6	Fair	Removed	
1505	Eucalyptus sp.	Eucalyptus	16								16	20.0	Fair	Removed	
1506	Eucalyptus sp.	Eucalyptus	11	7	8	12					19	24.3	Fair	Removed	
1507	Eucalyptus sp.	Eucalyptus	27								27	33.8	Fair	Removed	
1508	Eucalyptus sp.	Eucalyptus	24	10							26	32.5	Fair	Removed	
1509	Quercus agrifolia	Coast Live Oak	6	6	8						12	14.6	Fair	Removed	
1510	Eucalyptus sp.	Eucalyptus	8	6							10	12.5	Fair	Removed	
1511	Quercus agrifolia	Coast Live Oak	8	6							10	12.5	Fair	Removed	
1512	Quercus agrifolia	Coast Live Oak	6								6	7.5	Fair	Removed	
1513	Quercus agrifolia	Coast Live Oak	12								12	15.0	Fair	Removed	
555	Hesperocyparis macrocarpa	Monterey Cypress											Fair	Removed	No data gathered prior to removal
556	Hesperocyparis macrocarpa	Monterey Cypress											Fair	Removed	No data gathered prior to removal
557	Hesperocyparis macrocarpa	Monterey Cypress	50								50	62.5	Fair	Removed	removar
					A	dditi	onal	Prop	osed	Rem	ovals				
Tree ID	Scientific Name	Common Name		Individ							Total DBH (in)	Dripline (ft)	Health	Recommendation	Comments
547	Pinus torreyana	Torrey Pine	6								6	7.5	Good	Remove	Within grading limits
548	Hesperocyparis macrocarpa	Monterey Cypress	6	6	8	10	6	7			18	21.1	Fair	Remove	Within grading limits
549	Hesperocyparis macrocarpa	Monterey Cypress	6								6	7.5	Fair	Remove	Within grading limits
550	Pinus radiata	Monterey Pine	9								9	11.3	Fair	Remove	Within grading limits
551	Pinus radiata	Monterey Pine	6								6	7.5	Fair	Remove	Within grading limits
552	Hesperocyparis macrocarpa	Monterey Cypress	37								37	46.3	Fair	Remove	Within grading limits
553	Hesperocyparis macrocarpa	Monterey Cypress	42								42	52.5	Fair	Remove	Within grading limits
554	Hesperocyparis macrocarpa	Monterey Cypress	65								65	81.3	Fair	Retain	Preserve and protect
558	Hesperocyparis macrocarpa	Monterey Cypress	29								29	36.3	Fair	Retain	Preserve and protect

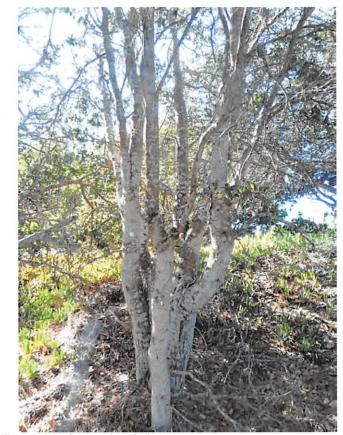
					A	dditio	nal P	ropo	sed Re	movals				
Tree ID	Scientific Name	Common Name		Individ	ual St	em D	BH (i	in)		Total DBH (in)	Dripline	Health	Recommendation	Comments
559	Hesperocyparis macrocarpa	Monterey Cypress	45		-					45	56.3	Fair	Retain	Preserve and protect
560	Eucalyptus sp.	Eucalyptus Species	52	20	16	7	7	10	8	60	75		Remove	Within grading limits
562	Quercus agrifolia	Coast Live Oak	9							9	11.3	Fair	Remove	Within grading limits
566	Quercus agrifolia	Coast Live Oak	11	7						7	8.8	Fair	Remove	Within grading limits
567	Quercus agrifolia	Coast Live Oak	8							8	10.0	Fair	Remove	Within grading limits
568	Quercus agrifolia	Coast Live Oak	8	7	6					9	11.5	Fair	Remove	Within grading limits
569	Quercus agrifolia	Coast Live Oak	12							12	15.0	Fair	Remove	Within grading limits
570	Quercus agrifolia	Coast Live Oak	18	13						13	16.3	Fair	Remove	Within grading limits
571	Quercus agrifolia	Coast Live Oak	18							18	22.5	Fair	Remove	Within grading limits
572	Quercus agrifolia	Coast Live Oak	10							10	12.5	Fair	Remove	Within grading limits
573	Quercus agrifolia	Coast Live Oak	9							9	11.3	Fair	Remove	Within grading limits
574	Pinus radiata	Monterey Pine	6							6	7.5	Good	Remove	Within grading limits
575	Quercus agrifolia	Coast Live Oak	6							6	7.5	Fair	Remove	Within grading limits
576	Quercus agrifolia	Coast Live Oak	10	8	6					10	12.5	Fair	Remove	Within grading limits
577	Quercus agrifolia	Coast Live Oak	8							8	10.0	Fair	Remove	Within grading limits
578	Quercus agrifolia	Coast Live Oak	13							13	16.3	Fair	Remove	Within grading limits
580	Quercus agrifolia	Coast Live Oak	8	8	6	6	6	6	6	18 .	19.5	Fair	Remove	Within grading limits
582	Quercus agrifolia	Coast Live Oak	14							14	17.5	Fair	Remove	Within grading limits
583	Quercus agrifolia	Coast Live Oak	11							11	13.8	Fair	Remove	Within grading limits
584	Quercus agrifolia	Coast Live Oak	7							7	8.8	Fair	Remove	Within grading limits
585	Quercus agrifolia	Coast Live Oak	7	6						6	7.5	Fair	Remove	Within grading limits
586	Pinus torreyana	Torrey Pine	7							7	8.8	Good	Retain	Preserve and protect
587	Pinus radiata	Monterey Pine	10							10	12.5	Fair	Retain	Preserve and protect
588	Pinus radiata	Monterey Pine	9							9	11.3	Fair	Retain	Preserve and protect
589	Pinus torreyana	Тоггеу Ріпе	10							10	12.5	Fair	Retain	Preserve and protect
590	Quercus agrifolia	Coast Live Oak	6	6	6					10	10.6	Fair	Retain	Preserve and protect
591	Quercus agrifolia	Coast Live Oak	10	8						13	10.0	Fair	Retain	Preserve and protect
592	Quercus agrifolia	Coast Live Oak	10							10	12.5	Fair	Retain	Preserve and protect
593	Pinus radiata	Monterey Pine	15							15	18.8	Fair	Retain	Preserve and protect
594	Quercus agrifolia	Coast Live Oak	21							21	26.3	Fair	Retain	Preserve and protect
595	Pinus radiata	Monterey Pine	20							20	25.0	Fair	Retain	Preserve and protect

	Additional Proposed Removals									
Tree ID	Scientific Name	Common Name	Individual Stem DBH (in)	Total DBH (in)	Dripline	Health	Recommendation	Comments		
596	Pinus radiata	Monterey Pine	15	15	18.8	Fair	Retain	Preserve and protect		
597	Pinus radiata	Monterey Pine	27	27	33.8	Fair	Retain	Preserve and protect		
598	Pinus radiata	Monterey Pine	16	16	20.0	Fair	Retain	Preserve and protect		
599	Pinus radiata	Monterey Pine	14	14	17.5	Fair	Retain	Preserve and protect		
600	Pinus radiata	Monterey Pine	21	21	26.3	Fair	Retain	Preserve and protect		
601	Pinus radiata	Monterey Pine	12	12	15.0	Poor	Retain	Preserve and protect		
602	Pinus torreyana	Torrey Pine	6	6	7.5	Good	Retain	Preserve and protect		
603	Pinus torreyana	Torrey Pine	12	12	15.0	Fair	Retain	Preserve and protect		
604	Pinus torreyana	Torrey Pine	9	9	11.3	Fair	Retain	Preserve and protect		
605	Pinus torreyana	Torrey Pine	10	10	12.5	Good	Retain	Preserve and protect		
606	Pinus torreyana	Torrey Pine	6	6	7.5	Fair	Remove	Within grading limits		
607	Hesperocyparis macrocarpa	Monterey Cypress	35	35	43.8	Fair	Retain	Preserve and protect		

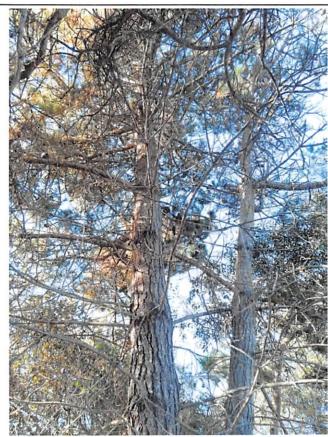
APPENDIX C
Photo Log



Tree 1477. Coast Live Oak



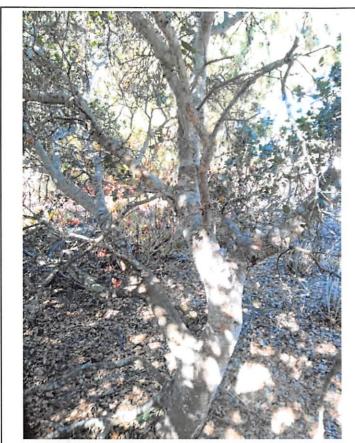
Tree 1493. Coast Live Oak



Tree 1492. Monterey Pine



Tree 1498. Coast Live Oak



Tree 1499. Coast Live Oak



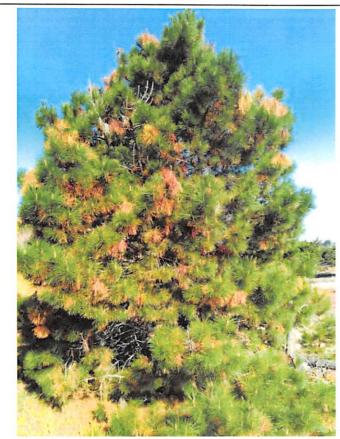
Tree 1501. Coast Live Oak



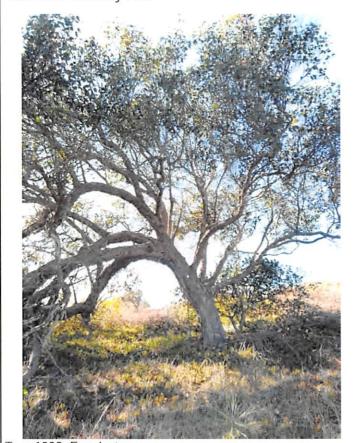
Tree 1500. Torrey Pine



Tree 1502. Monterey Pine



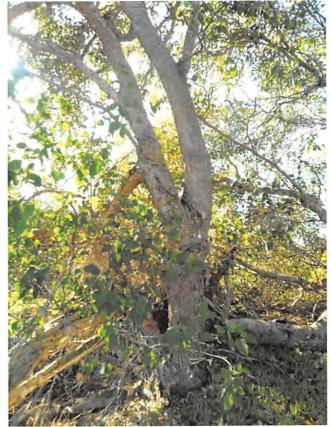
Tree 1503. Monterey Pine



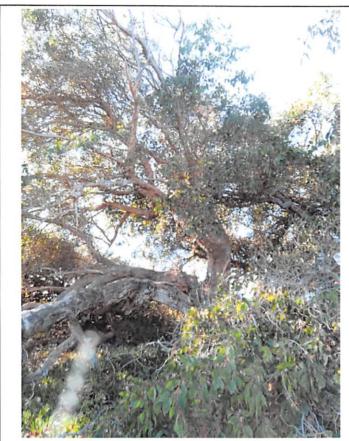
Tree 1505. Eucalyptus



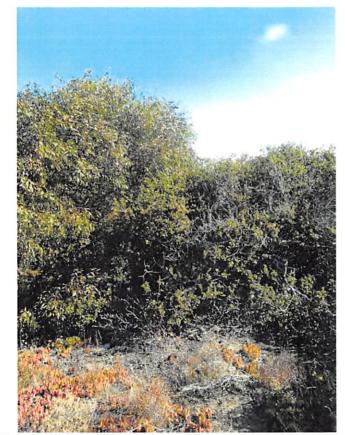
Tree 1504. Coast Live Oak



Tree 1506. Eucalyptus



Tree 1507. Eucalyptus



Tree 1509. Coast Live Oak



Tree 1508. Eucalyptus



Tree 1510. Eucalyptus



Tree 1511. Coast Live Oak



Tree 1513 Coast Live Oak



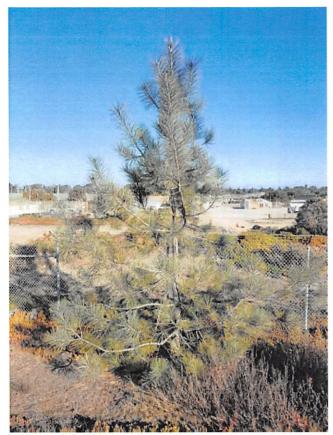
Tree 1512. Coast Live Oak



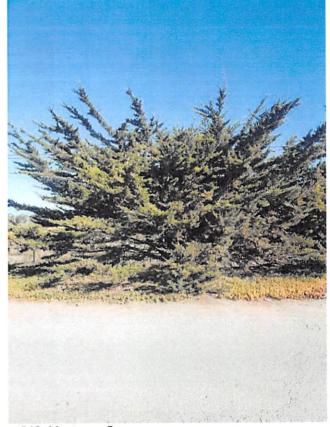
Tree 555. Monterey Cypress (removed prior to data collection)



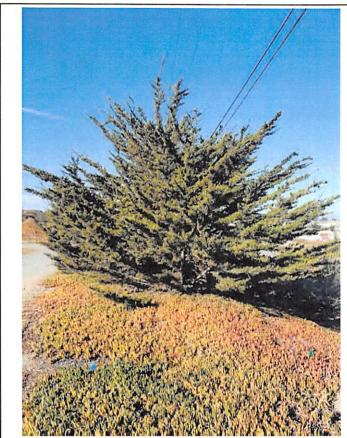
Tree 556. Monterey Cypress (removed prior to data collection) Tree 557. Monterey Cypress (removed prior to data collection)



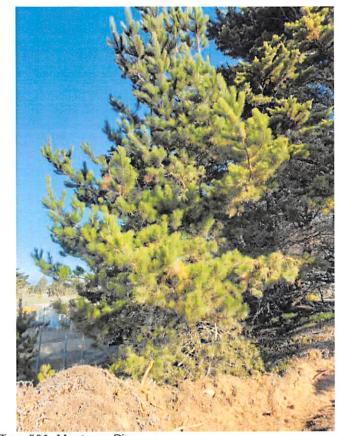
Tree 547. Torrey Pine



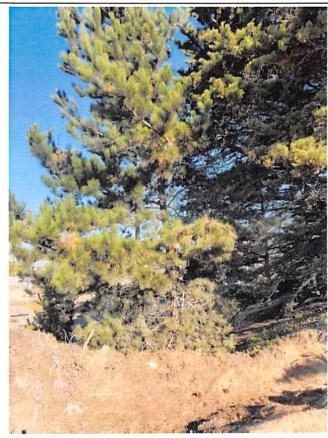
Tree 548. Monterey Cypress



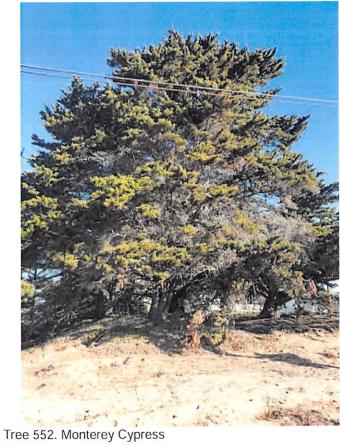
Tree 549. Monterey Cypress

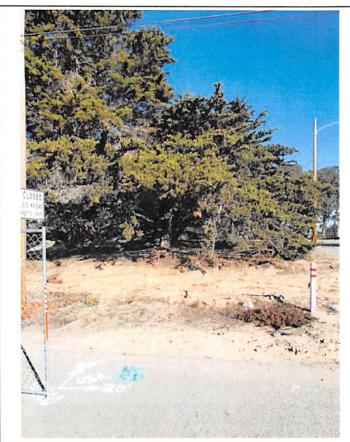


Tree 551. Monterey Pine

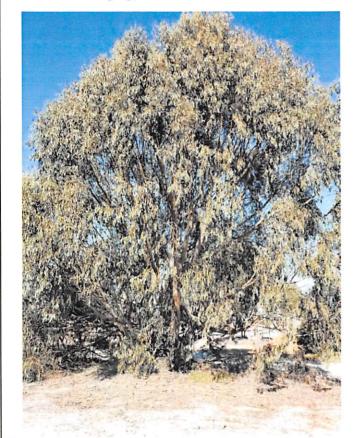


Tree 550. Monterey Pine

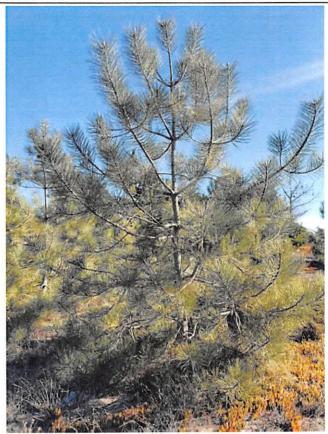




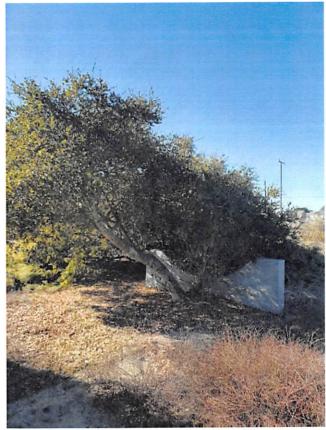
Tree 553. Monterey Cypress



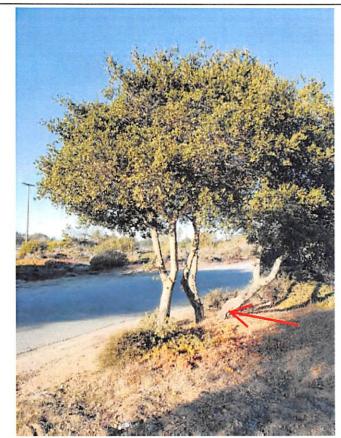
Tree 560. Eucalyptus



Tree 606. Torrey Pine



Tree 562. Coast Live Oak



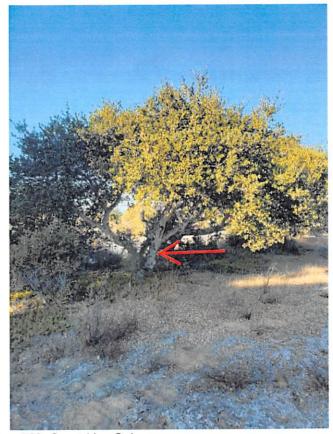
Tree 566. Coast Live Oak



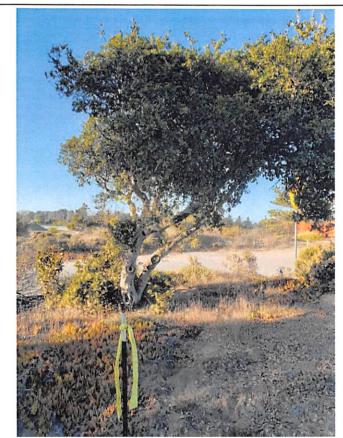
Tree 568. Coast Live Oak



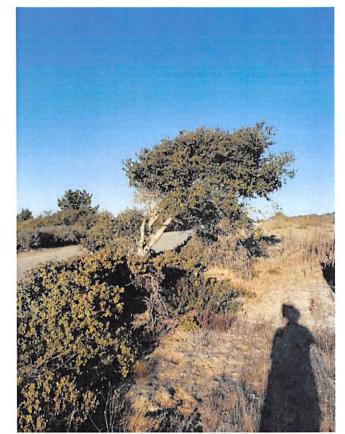
Tree 567. Coast Live Oak



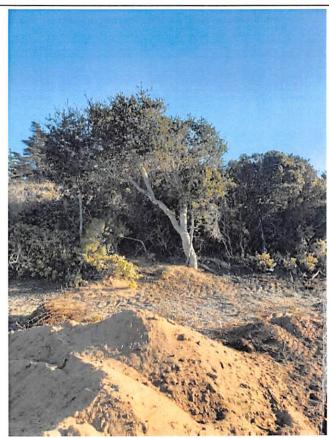
Tree 569. Coast Live Oak



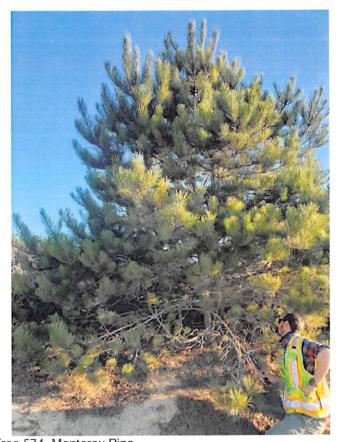
Tree 571. Coast Live Oak



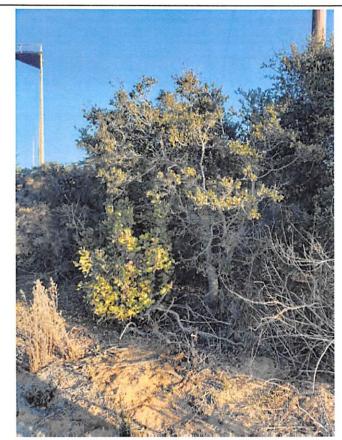
Tree 573. Coast Live Oak



Tree 572. Coast Live Oak



Tree 574. Monterey Pine

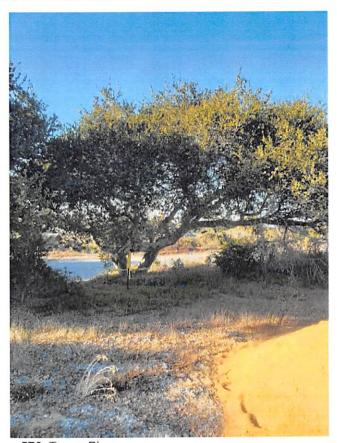


Tree 575. Coast Live Oak

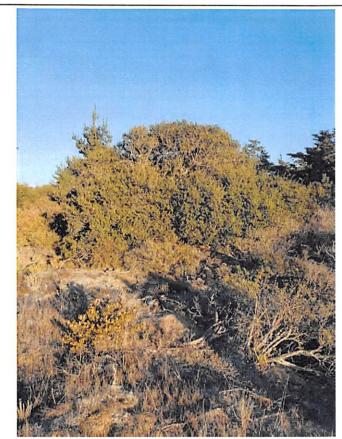


Tree 577. Coast Live Oak

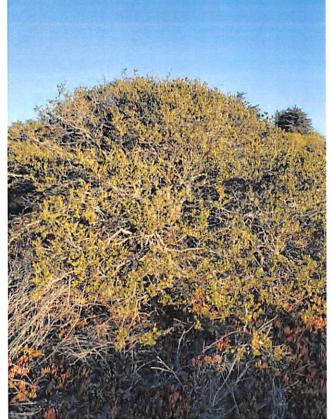




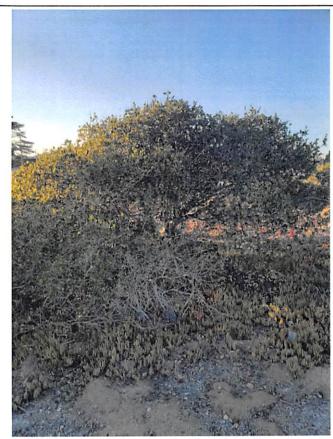
Tree 570. Torrey Pine



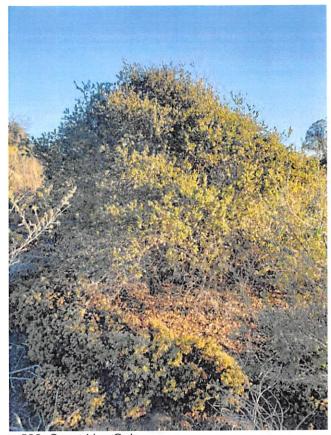
Tree 578. Coast Live Oak



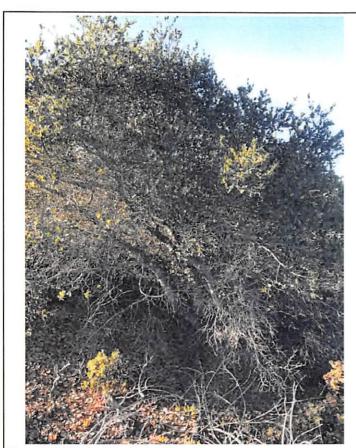
Tree 582. Coast Live Oak

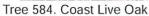


Tree 580. Coast Live Oak



Tree 583. Coast Live Oak







Tree 585. Coast Live Oak

APPENDIX D

Recommended Best Management Practices

Fencing and Barricades

All trees in the project area which are scheduled for preservation shall be temporarily fenced prior to all project-related activities. Fencing shall be installed at the edge of the root zone (the area located within 15 times the trunk diameter in all directions) or located at the edge of pavement furthest from the trunk (whichever comes first). Fencing shall consist of chain link or plastic link fence which is maintained at a minimum height of four feet above grade during all phases of construction.

Fenced areas shall not be used for material stockpile, storage, or vehicle parking. Dumping of materials, chemicals, or garbage shall be prohibited within fenced areas. Fenced areas shall be maintained in natural condition at natural or existing grade and shall not be compacted.

All approved construction within the root zone shall include construction barricades. Barricades shall be upright and be constructed from two-inch by four-inch planks standing a minimum of eight feet vertically, conforming to the tree, and shall be tied with wire or rope forming a maximum of one-inch space between the planks. If the tree's configuration or site conditions do not lend themselves to the installation of this type barricade, a certified arborist or City Forester shall designate alternate tree protection methods. Under certain conditions where soil compaction is probable, fences may also be required around a tree or grouping of trees. The use of recycled lumber, synthetic lumber, or similar materials approved by a certified arborist or City Forester is encouraged.

Tree Pruning

Tree pruning shall be minimal but, when necessary, shall be performed in accordance with American National Safety Institute (ANSI) A300 Pruning Standards. Pruning may include the larger canopied trees that have deadwood or are exhibiting some minor structural defect or minor disease that must be compensated. Should the health and vigor of any tree decline, it shall be treated as appropriately recommended by a certified arborist or qualified forester. In general, trees shall be assessed then pruned first for safety (e.g., broken and cracked limbs shall be removed in high-traffic areas of concern), next for health, and finally for aesthetics. No more than 25% of the overall tree crown shall be pruned in one season.

Tree pruning may include crown thinning, crown raising, crown reduction, or crown restoration, as described below.

Crown Thinning

Crown thinning is the cleaning out of or removal of dead, diseased, weakly attached, or low vigor branches from a tree crown. Crown thinning shall be conducted as follows:

- All trees shall be pre-assessed on how the tree will be pruned from the top down.
- Tree trimmers shall favor branches with strong, U-shaped angles of attachment and, where possible, remove branches with weak, V-shaped angles of attachment and/or included bark.
- Lateral branches shall be evenly spaced on the main stem of young trees and areas of fine pruning.
- Branches that rub or cross another branch shall be removed where possible.
- Lateral branches shall be no more than one-half to three-quarters of the diameter of the stem to discourage the development of co-dominant stems where feasible.
- In most cases, trimmers shall not remove more than one-quarter of the living crown of a tree at one time. If it is necessary to remove more, it shall be done over successive years.

Crown Raising

Crown raising removes the lower branches of a tree to provide clearance for buildings, vehicles, pedestrians, and vistas. Crown raising shall be conducted as follows:

- Live branches on at least two-thirds of a tree's total height shall be maintained wherever possible. The removal of too many lower branches would hinder the development of a strong stem.
- All basal sprouts and vigorous epicormic sprouts shall be removed where feasible.

Crown Reduction

Crown reduction is used to reduce the height and/or spread of trees and is used for maintaining the structural integrity and natural form of a tree. Crown reduction shall be conducted only when absolutely necessary, as follows:

- Pruning cuts shall be at a lateral branch that is at least one-third the diameter of the stem to be removed wherever possible.
- When it is necessary to remove more than half of the foliage from a branch, it may be necessary remove the entire branch.

Crown Restoration

Crown restoration is used to improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One of three sprouts on main branch stubs should be selected to reform a natural appearing crown. Selected vigorous sprouts may need to be thinned to ensure adequate attachment for the size of the sprout. Restoration may require several years of pruning.

Root Pruning

Where alternative routes are not available, any subsurface construction related activities for the project shall avoid cutting major roots with a diameter of greater than or equal to two inches, unless necessary. All approved construction within the root zone shall conform to the following construction practices:

- Hand trenching at point or line of grade cuts closest to the trunk to expose major roots two inches or more in diameter.
- In cases where rock or unusually dense soil prevents hand trenching, mechanical trenching may be permitted provided that work inside the dripline is closely supervised to prevent tearing or other damage to major roots (greater than or equal to two inches).
- Exposed major roots shall be cut with a saw to form a smooth surface and avoid tearing or jagged edges.
- Absorbent tarp or heavy cloth fabric shall be placed over grade cuts where roots are exposed and secured with stakes and two to four inches of compost or wood chips spread over the tarp to prevent moisture loss. Care shall be taken that moisture levels beneath tarped areas remain comparable to surrounding areas until backfilling occurs. Some watering of these areas may be necessary to maintain moisture levels, and such measures shall remain in effect through all phases of construction, including all delays and other periods of inactivity.

April 9, 2021

Item No. <u>11b</u>

Honorable Mayor and Members of the Marina City Council

City Council Meeting of April 20, 2021

CITY COUNCIL TO CONSIDER ADOPTING RESOLUTION NO. 2021-, RECEIVING A PRESENTATION AND APPROVING THE CONCEPT PLAN FOR HILLTOP PARK AT THE DUNES

REQUEST:

It is requested that the City Council adopt Resolution No. 2021-, receiving a presentation and approving the concept plan for Hilltop Park at The Dunes.

BACKGROUND:

At the regular meeting of May 19, 2020, the City Council adopted Resolution No. 2020-53, approving the amendment to the University Village (now The Dunes on Monterey Bay) Phase 2 Tentative Map. The amendment included conceptual layouts of the City Park within Phase 2 known as Hilltop Park.

The Dunes Specific Plan Community Design Strategy for the Park System Design Concept of Hilltop Park is defined as follows:

This site has significant topography which yields beautiful panoramas from the top of the plateau. This park in proposed to be a passive park with an emphasis on native planting, dunes, sheltered overlooks and seating areas, picnic and barbecue facilities, and a dog park. Trails should follow the site contours to provide access from Eighth and Ninth streets.

ANALYSIS:

The preliminary park plan will serve as a basis for final park design. Final design will move forward once Council input has been considered and addressed. All the improvements at this park location will be fully funded by Marina Community Partners (MCP). The basic programming and elements of the parks will remain as close as possible to what was approved by the amended tentative map and Specific Plan.

The preliminary design also coincides with the Fort Ord Recreation Trail & Greenway (FORTAG) trail alignment and goals due to close coordination with project representatives. Staff met with FORTAG representatives on site and reviewed the concept plans with them and the MCP design team. Changes identified to be incorporated in the final design are the inclusion of a vegetation restoration plan that emphasized native species and the routing of the hilltop access path from 9th Street to minimize the steepness of the grades for improved accessibility.

Whereas the basic programming and elements of the parks will remain as close to what is approved as possible, the COVID-19 pandemic may affect certain congregating elements of the Park.

FISCAL IMPACT:

As stated above, MCP will fully fund construction of the Park once the designs are approved by the City. Per Conditions #11 and #20 of the Tentative Map Conditions of Approval, Hilltop Park will then be owned and maintained by the City.

CONCLUSION:

This request is submitted for City Council consideration.

Brian McMinn, P.E., P.L.S.
Public Works Director/City Engineer
City of Marina

REVIEWED/CONCUR:

Layne P. Long City Manager City of Marina

RESOLUTION NO. 2021-36

A RESOLUTION BY THE CITY COUNCIL OF THE CITY OF MARINA RECEIVING A PRESENTATION AND APPROVING THE CONCEPT PLAN FOR HILLTOP PARK AT THE DUNES

WHEREAS, at the regular meeting of May 19, 2020, the City Council adopted Resolution No. 2020-53, approving the amendment to the University Village (now The Dunes on Monterey Bay) Phase 2 Tentative Map. The amendment included conceptual layouts of the City Park within Phase 2 known as Hilltop Park, and;

WHEREAS, the Dunes Specific Plan Community Design Strategy for the Park System Design Concept of Hilltop Park is defined as follows: This site has significant topography which yields beautiful panoramas from the top of the plateau. This park in proposed to be a passive park with an emphasis on native planting, dunes, sheltered overlooks and seating areas, picnic and barbecue facilities, and a dog park. Trails should follow the site contours to provide access from Eighth and Ninth streets, and;

WHEREAS, the preliminary park plan will serve as a basis for final park design. Final design will move forward once Council input has been considered and addressed. All the improvements at this park location will be fully funded by Marina Community Partners (MCP). The basic programming and elements of the parks will remain as close as possible to what was approved by the amended tentative map and Specific Plan, and;

WHEREAS, the preliminary design also coincides with the Fort Ord Recreation Trail & Greenway (FORTAG) trail alignment and goals due to close coordination with project representatives. Staff met with FORTAG representatives on site and reviewed the concept plans with them and the MCP design team. Changes identified to be incorporated in the final design are the inclusion of a vegetation restoration plan that emphasized native species and the routing of the hilltop access path from 9th Street to minimize the steepness of the grades for improved accessibility, and;

WHEREAS the basic programming and elements of the parks will remain as close to what is approved as possible, the COVID-19 pandemic may affect certain congregating elements of the Park, and;

WHEREAS, as stated above, MCP will fully fund construction of the Park once the designs are approved by the City. Per Conditions #11 and #20 of the Tentative Map Conditions of Approval, Hilltop Park will then be owned and maintained by the City.

NOW, THEREFORE BE IT RESOLVED by the City Council of the City of Marina that does hereby receive a presentation and approve the concept plan for Hilltop Park at The Dunes.

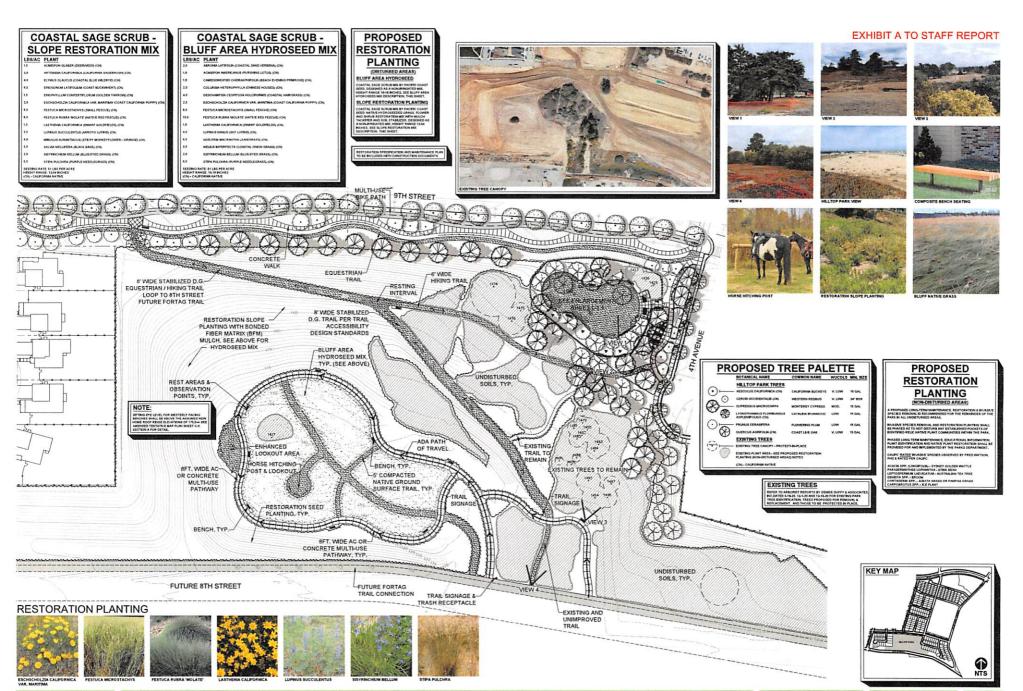
PASSED AND ADOPTED by the City Council of the City of Marina at a regular meeting duly held on the 20th day of April 2021, by the following vote:

AYES: C	COUNCIL	MEMBERS:	Burnett,	Berkley,	Biala,	Delgado
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NOES: COUNCIL MEMBERS: Medina Dirksen

ABSTAIN: COUNCIL MEMBERS: None

ABSENT: COUNCIL MEMBER: None	
ATTEST:	Bruce C. Delgado, Mayor
Anita Sharp, Deputy City Clerk	



City of Marina
211 HILLCREST AVENUE
MARINA, CALIFORNIA \$3333

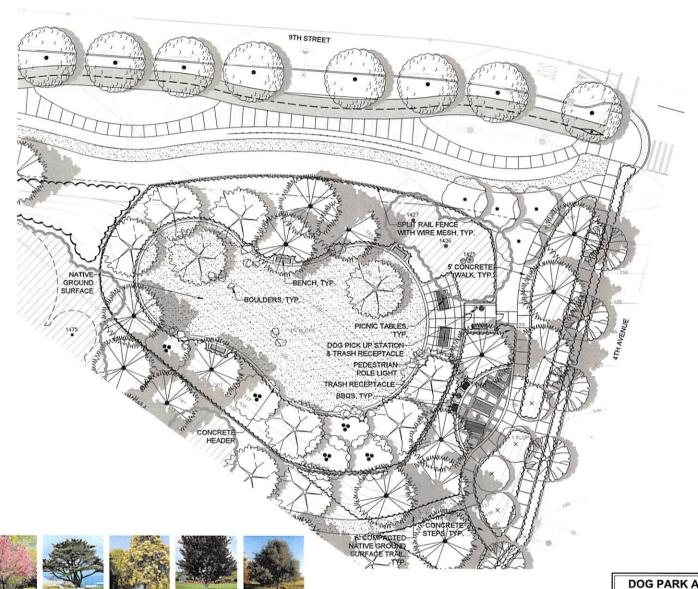
DUNES PHASE 2 EAST Marina, California HILLTOP PARK CONCEPTUAL LANDSCAPE PLAN MARCH 8, 2021



























PROPOSED TREE PALETTE

	BOTANICAL NAME	COMMON NAME	WUCOLS	MIN, SIZE
	HILLTOP PARK TREES			
(•)⊢	- AESCULUS CALIFORNICA (CN)	CALIFORNIA BUCKEYE	V. LOW	15 DAL
~ 0	CERCIS OCCIDENTALIS (CIQ.	WESTERN REDBUD	V. LOW	34° BOX
XX-	- CUPRESSUS MACROCARPA	MONTEREY CYPRESS	MOD.	15 GAL
3	LYONG THANNUS FLORISLINGUS ASPLEMBROLEIS (CN)	CATALINA IROMNOCO	LOW	15 CAL
.)≔	PRUNUS CERASFERA	FLOWERING PULM	LOW	15 GAL
~ CX	GUERCUS AGRIFOLIA (CN)	COAST LIVE GAA	V.LOW	15 GAL
•	EXISTING TREES			
7-1	EXISTING THEE CAMOPY - PROTE	CT-PL-PLACE		
- 0	EXECTING PLANT AREA - SEE PRO- PLANTING MON-DISTURBED AREA			



DOG PARK AREA 14,553 SF (0.33 ACRES) FENCE ENCLOSED AREA



City of Marina
211 HILLCREST AVENUE
MARINA, GALIFORNIA 93933
(931) 884-1278

TREES

DUNES PHASE 2 EAST Marina, California

HILLTOP PARK ENLARGEMENT CONCEPTUAL LANDSCAPE PLAN MARCH 8, 2021







