



February 5, 2020

Mr. Bruce Jones
North Coast Land Holdings LLC
2350 Kerner Blvd., Suite 360
San Rafael, CA 94901

RE: The Seminary- Arborist Report Addendum

Dear Mr. Jones,

This report is an addendum to The Seminary Arborist Report dated August 20, 2015. This addendum documents changes in the number of trees with protected status being removed as part of the current project plans. Grading limits and building locations have been modified resulting in the change in the number of protected trees impacted.

The impacted trees are shown on the Forest Management and Tree Removal Plan dated 01/31/2020, prepared by SWA, landscape architects for the project. Additional tree evaluations were performed in the slope and parking area surrounding the Playing Field now within the Fitness and Daycare Center project limits.

Additionally, this report addresses the current condition of the Monterey pine plantings as these trees have become a significant safety problem due to increasing tree failures (limb and whole tree failure) and wildfire risk.

Protected Tree Removals

The following table shows the total number of protected trees by species and the number requiring removal due to locations within the project grading limits.

Tree Species	Total Number	Removal Quantities	Number of Removals in Poor to Marginal Condition
bay laurel	1	1	1
coast live oak	196	87	39 (45%)
coast redwood	9	1	1
Totals:	206	89	

The high percentage of trees in poor to marginal condition reflects the impact of drought and tree plantings in compacted soils from the original campus construction. The majority of the protected trees were planted as landscape trees.

2/5/20

Attached is the updated tree data matrix showing the list of protected trees and removals located within the project areas. Included in the matrix are the tree protection zones, critical root zones, and recommended tree protection procedures for the retained trees, as described in the 2015 report.

Monterey Pines

The Seminary property is dominated by extensive and uniformly aged stands of Monterey pine at the end of their typical life span in the San Francisco Bay area. A majority of the Monterey pines are showing symptoms of infection from pine pitch canker (*Fusarium circinatum*). Many of the pines have severe infections. Bark beetles (*Dendroctonus valens* and *Ips spp.*) are also attacking the pines with recent tree deaths commonly observed on the property.


Since the 2015 tree inventory, there has been an increasing frequency of total collapse (windthrow) of mature Monterey pines. In one area, a neighboring residence was severely damaged by the collapse of two trees. Numerous trees have fallen since 2015, and this stand represents a high risk of injury and property damage in areas where trees are within fall distance of buildings and high use areas such as roadways and parking lots.

Another critical management issue affecting the pine woodlands is fire safety. These dense and over-mature pine woodlands are pyrophytic and very prone to wildfire ignition due to the type of tree (coniferous with high pitch content), the number of dead limbs, dried foliage litter, and high density of trees. Current defensible space standards would not permit the planting of pine species in the proximity of structures. In the area east of the Chapel Hill residences, dense acacia is growing below declining pines and represents a potentially severe fire hazard.

The removal of the pines and the area of dense acacia is recommended as soon as practical. Priority for removal should be trees within fall distance of roadways, structures, and other high use areas. It is worth noting that in the pine area west of the Chapel Hill residences, there are vigorous stands of young coast live oaks. These stands should be protected during the pine removal operations and encouraged as the preferred replacement woodland.

Please contact me with any questions or if additional information is required.

Sincerely,



James MacNair

ISA Certified Arborist WE-0603A

ISA Tree Risk Assessor Qualified

ASCA Tree and Plant Appraisal Qualified

Monterey Pine Images:



Recent failure near adjacent residences.



Dead, standing trees near roadway.



Tree in decline from Ips beetle attack. Other dead trees nearby.



Declining trees near Chapel Hill residences.



Trunk failure of tree and trunk sections from removed trees at Chapel Hill residences.



Collapsed pine in area of dense acacia.



Dense acacia thickets growing below declining Monterey pines.



Trunk failure of pine near parking lot.



Image depicting the high level of tree mortality and whole tree failures.

Protected Status Tree Data Matrix

The Seminary
Protected Status Trees- Tree Evaluation Data

Protected Status Trees- Individual Tree Data and Construction Impact Assessment

Health and Structural Rating Key: 3.0 = moderate or better condition
2.5 = marginal to moderate
2.0 = marginal condition
1.5 = poor to marginal condition
1.0 = poor condition

Construction Impact Code: RC= Removal Due to Construction
SI= Significant Potential Impact
MI= Moderate Impact
LI= Limited Impact
NI= No Impact

GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
009	101	coast live oak (<i>Quercus agrifolia</i>)	14"	1	25±	25±	3.0	2.5	Semi-mature tree with symmetrical crown form. Closely spaced limbs form at 7' with seam at attachments. Vigor and foliage density are moderate.	Moderate	Yes				RC	
013	102	coast live oak	16", 24"	2	40±	50-55±	2.5	3.0	Mature tree with low, two trunk structure. Symmetrical crown form. No significant structural defects observed. Moderate low vigor and foliage density with areas of twig dieback occurring.	Moderate	Yes				RC	
014	103	coast redwood (<i>Sequoia sempervirens</i>)	22"	1	40±	30-35±	1.5	2.5	Semi-mature tree in very low vigor due to drought stress. Substantial upper crown dieback occurring.	Poor	Yes				RC	
016	104	coast live oak	5", 6", 6", 11"	4	30±	25±	3.0	2.0	Low, multiple trunk structure with symmetrical crown form. Included trunk attachments formed. Located at edge of dense grove of coast live oaks. Vigor and foliage density are moderate.	Marginal	Yes	16'	6'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	105	coast live oak	6"	1	25±	8-12±	2.5	3.0	Small tree with high-branched structure due to shade suppression. Moderate low vigor and foliage density.	Moderate	Yes	8'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	106	coast live oak	3", 7"	2	25±	8-12±	2.5	3.0	Small tree with high-branched structure due to shade suppression. Moderate low vigor and foliage density.	Moderate	Yes	8'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	107	coast live oak	7.5"	1	25±	8-12±	2.5	3.0	Small tree with high-branched structure due to shade suppression. Trunk canker present. Moderate low vigor and foliage density.	Moderate	Yes	8'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.

The Seminary
Protected Status Trees- Tree Evaluation Data

GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Stability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
016	108	coast live oak	6"	1	25±	8'-12±	3.0	3.0	Small tree with high-branched structure due to shade suppression. Moderate vigor and foliage density.	Moderate	Yes	8'	3'	Dense grove of oaks located within or near roadway grading limits.	U/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	109	coast live oak	10.5"	1	25±	8'-12±	2.5	3.0	Single trunk structure with symmetrical crown form. Located at edge of group. Vigor and foliage density are moderately low.	Moderate	Yes	12'	4'	Dense grove of oaks located within or near roadway grading limits.	U/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	111	coast live oak	5', 6"	2	25±	8'-12±	2.5	2.5	Small tree with contorted structure due to shade suppression. Moderate vigor and foliage density.	Moderate	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	U/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	112	coast live oak	4', 10"	2	25±	8'-12±	2.5	2.5	Single trunk structure with asymmetrical crown form. Located at edge of grove. Vigor and foliage density are moderately low.	Moderate	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	U/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
016	113	coast live oak	6"	1	25±	8'-12±	2.5	2.5	Small tree with high-branched structure due to shade suppression. Moderate low vigor and foliage density.	Moderate	Yes	8'	3'	Dense grove of oaks located within or near roadway grading limits.	U/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	114	coast live oak	7"	1	25±	8'-12±	2.5	2.5	Small tree with closely spaced multiple limb attachments at 7' and high-branched structure. Moderate low vigor and foliage density.	Moderate	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	U/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.

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Protected Status Trees- Tree Evaluation Data

GPS Waypoint	Physical Tag #	Species	Trunk Diameter@ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
017	115	coast live oak	7.5"	1	25±	8'-12'±	2.5	2.5	Small tree with high-branched structure. Two trunks form at 7'. Moderate low vigor and foliage density.	Moderate	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	116	coast live oak	9"; 9"	2	25±	8'-12'±	2.5	2.5	Low, co-dominant trunk structure, growing at edge of grove. Asymmetrical crown form. Moderate low vigor and foliage density.	Moderate	Yes	14'	4'		RC	Assume removal for roadway grading. Closest tree to road edge.
017	117	coast live oak	7"	1	25±	8'-12'±	2.5	2.5	Small tree with high-branched structure due to shade suppression. Moderate low vigor and foliage density.	Moderate	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	118	coast live oak	14" (low)	3	30±	30±	3.0	2.5	Low structure with asymmetrical form extending to west. No significant structural defects. Moderate vigor and foliage density.	Moderate	Yes	16'	6'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	119	coast live oak	4"; 5"	2	20±	15±	2.0	2.0	Contorted and asymmetrical crown form extending to east. Vigor is low with significant twig dieback occurring.	Poor to Marginal	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	120	coast live oak	5"; 7"	2	25±	8'-12'±	2.5	2.5	Low, two trunk structure with high-branched structure. Asymmetrical crown form. Moderate low vigor and foliage density.	Moderate	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	121	coast live oak	17" (low)	1	30±	30±	3.0	2.5	Low structure with closely spaced multiple limb attachments forming at 6'. Moderate asymmetrical extending to northwest.	Moderate	Yes	18'	6'	Dense grove of oaks located within or near roadway grading limits.	L/MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.

The Seminary
Protected Status Trees- Tree Evaluation Data

GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
017	122	coast live oak	7"	1	20±	15±	2.0	2.0	Horizontal trunk form extending to northwest. Significant shade suppression.	Poor to Marginal	Yes	10'	3'	Dense grove of oaks located within or near roadway grading limits.	L/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	123	coast live oak	11"; 13"	2	35'	30±	3.0	2.0	Low co-dominant trunk structure, with partly included attachment and seam. Growing at edge of grove.	Marginal	Yes	16'	6'	Dense grove of oaks located within or near roadway grading limits.	L/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	124	coast live oak	12"; 13" ±	2	35'	30±	2.0	2.5	Growing at edge of grove with asymmetrical form extending to west. Vigor is variable with twig dieback and bark beetle damage occurring.	Marginal	Yes	16'	6'	Dense grove of oaks located within or near roadway grading limits.	L/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
017	125	coast live oak	17"	1	40±	30±	1.5	2.5	Mature tree with moderately asymmetrical form extending to northwest. Closely spaced, multiple limb attachments form at 5'-6' with included attachments. Vigor is low with significant branch and twig dieback occurring. Possible bark beetle damage.	Poor	Yes	18'	6'	Dense grove of oaks located within or near roadway grading limits.	L/M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
	9335	coast live oak	40" (low)	5 @ 6-7'	60-65±	50-60±	2.5	2.5	Mature tree with generally upright and symmetrical crown form. Closely spaced, multiple limb attachments form at 6-7' with included attachments. Vigor and foliage density are moderately low with areas of twig dieback occurring.	Moderate	Yes	40'	12'	Located at edge of grading limits.	SI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
	9333	coast live oak	8"	1	30±	20'	3.0	3.0	Young tree with single trunk structure. High branch structure. Growing below crown of #9334. Generally moderate vigor. Other small diameter seedling oaks in area.	Moderate	Yes	10'	3'	Located at edge of grading limits.	SI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.

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Protected Status Trees- Tree Evaluation Data

GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Tree Status Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
	9337	coast live oak	10"	1	30±	30±	3.0	3.0	Young tree with asymmetrical form extending to southwest. No significant structural defects. Vigor and foliage density are moderate. Old tag #57 nearby.	Moderate	Yes	12'	4'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9336	coast live oak	15"; 23"±	2	45-50"	40-45"±	2.5	2.5	Mature tree with low, multiple trunk structure. Moderately asymmetrical crown extending to northwest. Secondary co-dominants form at 7' with reaction wood ridge and deep seams. Vigor is variable with twig dieback occurring.	Moderate	Yes	26'	8'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
020	126	coast live oak	7"; 7"; 9"; 10"	4	22±	25±	2.5	2.0	Multiple trunks form at 4' with included attachments with seams and flux infection. Symmetrical crown form. Moderately low vigor with twig dieback occurring.	Marginal	Yes				RC	
021	127	coast live oak	12"; 16"; 18"	3	40±	35-40"±	3.0	2.5	Multiple trunk structure with included attachments, seams, and reaction wood ridge. Moderately asymmetrical form extending to southwest. Vigor and foliage density are moderate.	Moderate	Yes				RC	
026	128	coast live oak	10"; 20"	2	35±	35±	2.5	2.5	Semi-mature tree with strong, asymmetrical form extending to east. Co-dominant trunks form at 5' with acceptable union. 10" trunk attachment is included. Moderate low vigor and foliage density.	Moderate	Yes	25'	8'	Located 20' from grading limits.	U	1. Tree protection fencing.
030	129	coast live oak	16" ±	1	20±	30±	2.5	1.5	Originally a three trunk structure, now one. Extensive lower trunk decay present. Leaning, asymmetrical crown form.	Poor	Yes	18'	6'		RC	
033	130	coast live oak	9"; 17"	2	40±	35-40"±	2.5	3.0	Semi-mature tree growing below mature Monterey cypress. No significant structural defects. Moderately low vigor with twig dieback occurring.	Moderate	Yes				RC	
038	131	coast live oak	12"; 15"; 15"	3	40-45"±	35-40"±	2.5	2.0	Low, multiple trunk structure with partly included attachments. Fissure at union. Moderately asymmetrical crown form extending to southeast. Moderate low vigor and foliage density.	Marginal	Yes				RC	
066	132	coast live oak	11"; 12"; 13"; 15"	4	45±	40±	3.0	3.0	Semi-mature tree with moderately symmetrical crown form extending downslope. Low, multiple trunk structure with acceptable attachments. Vigor and foliage density are moderate.	Moderate	Yes	25'	8'	Located 60' from grading limits.	NI	1. Tree protection fencing.
067	133	coast live oak	10"; 12"; 17"; 18"	4	40±	45±	2.5	3.0	Low, multiple trunk structure with symmetrical crown form. Generally, acceptable trunk attachments. Vigor and foliage density are variable with twig dieback occurring.	Moderate	Yes	25'	8'	Located 40' from grading limits.	NI	1. Tree protection fencing.
079	134	coast live oak	20" (low)	3@ 5'	30±	35±	2.0	3.0	Low, multiple trunk structure forming at 5'. Symmetrical crown form. No significant structural defects. Vigor is low with significant branch and twig dieback occurring.	Marginal	Yes	20'	8'		RC	
080	135	coast live oak	24" (low)	MT @ 5'	35±	35-40"±	2.5	3.0	Multiple trunk structure forming at 5'. Symmetrical crown form. No significant structural defects. Vigor is variable with significant twig dieback occurring.	Moderate	Yes				RC	
088	136	coast live oak	16" (low)	1	25-30"±	30±	3.0	3.0	Semi-mature tree with symmetrical crown form. No significant structural defects. Vigor and foliage density are moderate.	Moderate	Yes				RC	
089	137	coast live oak	25"	1	40±	30-35"±	2.5	3.0	Mature tree with symmetrical crown form. Closely spaced, multiple limb attachments form at 6'-8' with acceptable attachments. Vigor is variable with areas of branch and twig dieback occurring.	Moderate	Yes				RC	

The Seminary
Protected Status Trees- Tree Evaluation Data

GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
090	138	coast live oak	11"; 14"; 16"	3	35±	35-40±	2.0	2.0	Low, multiple trunk structure forming at 2'. Included attachments with prominent reaction wood ridge. Generally low vigor with significant branch and twig dieback occurring.	Poor to Marginal	Yes	14'			RC	
091	139	coast live oak	16" (low)	MT @ 5'	30±	30±	2.5	2.0	Symmetrical crown form. Low, multiple trunks form closely spaced limb attachments at 5'. Included attachments. Moderate low vigor and foliage density.	Marginal	Yes				RC	
092	140	coast live oak	7"; 12" (low)	2	20±	20±	2.5	1.5	Young tree. 7" trunk is broken. Moderate low vigor and foliage density.	Poor	Yes	14'	4'	Located at edge of grading limits.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
093	141	coast live oak	18"; 18" (low)	2	30±	30-35±	2.5	2.0	Low, co-dominant trunk structure with included attachments. Symmetrical crown form. Vigor is variable with areas of significant twig dieback occurring.	Marginal	Yes	24'	8'	Located outside grading limits.	LI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
098	142	coast live oak	10"; 12"; 16"; 20"	4	35±	40±	2.0	2.5	Low, multiple trunk structure with acceptable attachments. Symmetrical crown form. Vigor is low with extensive branch and twig dieback occurring.	Marginal	Yes	30'	10'	Located near new construction.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
099	143	coast live oak	18"; 20"	2	35±	35±	2.5	3.0	Mature tree with co-dominant trunk structure forming at 3'. Acceptable attachment with seam. No significant structural defects/ Vigor and foliage density are moderately low.	Moderate	Yes	24'	8'	Located near new construction.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
229	144	coast live oak	28.5"	1	45±	50±	2.0	3.0	Mature tree with symmetrical crown form. Closely spaced, multiple limb attachments form at 10' with acceptable attachments. No significant structural defects. Vigor is low with significant branch and twig dieback likely due to drought stress.	Marginal	Yes	30'	10'		RC	
230	145	coast live oak	6"; 10"; 15"	3	20±	20±	2.5	2.0	Multiple trunk structure forming at 3'. Asymmetrical crown form due to shading. History of lower trunk pruning. Vigor and foliage density are moderately low with poor wound closure.	Marginal	Yes	20'	8'		RC	
231	146	coast live oak	36" (low)	4 @ 3'-6'	40-45±	45-50±	2.5	2.5	Mature tree with low, multiple trunk structure. Partly included attachments with seams. Symmetrical crown form. Vigor is variable with upper crown low and sporadic branch and twig dieback occurring.	Moderate	Yes	36'	12'		RC	
232	147	coast live oak	33.5" (low)	3 @ 3'-5'	40-45±	45-50±	2.5	3.0	Mature tree with low, three trunk structure. No significant structural defects observed. Vigor is variable with upper crown low and sporadic branch and twig dieback occurring. Flag stone laid around tree and retaining wall located down slope.	Moderate	Yes	34'	12'	New ADA walkway in vicinity of tree.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.

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GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
234	148	coast live oak	11.5"	1	25±	25±	3.0	2.5	Young tree with large pruning wound on lower trunk. Otherwise, no significant structural defects. Vigor and foliage density are moderate.	Moderate	Yes	12'	4'	New ADA walkway in vicinity of tree.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
245	149	coast live oak	13", 15"	2	20±	25±	3.0	2.5	Low, two trunk structure with pronounced reaction wood ridge. Dense, symmetrical crown form. Vigor and foliage density are moderate to good.	Moderate	Yes				RC	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
286	151	coast live oak	8"	1	20±	15'-18±	3.0	3.0	Young tree growing adjacent to building. No significant structural defects. Vigor and foliage density are moderate.	Moderate	Yes	10'	3'	Located adjacent to building footprint.	SI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
287	152	coast live oak	11"	1	20±	20±	3.0	3.0	Young tree with leaning, asymmetrical form extending to southwest. Growing on slope. No significant structural defects. Vigor and foliage density are moderate.	Moderate	Yes	12'	4'	Located adjacent to building footprint.	SI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
287	153	coast live oak	24" (low)	4	30'-35±	30'	2.0	2.5	Mature tree with symmetrical crown form. Two small diameter trunks are clear with Hypoxylon infection. Bay laurel nearby. Lower trunk cavity present. Moderate low vigor and foliage density.	Marginal	Yes	24'	8'	Located adjacent to building footprint.	SI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
288	154	coast live oak	7"	1	15±	15±	2.5	2.5	Young tree with significant lean and asymmetrical form to southwest. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes	10'	3'	Located adjacent to building footprint.	SI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
288	155	coast live oak	6"	1	15±	15±	2.5	2.5	Young tree with significant lean and asymmetrical form to southwest. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.
289	156	coast live oak	5", 5", 9"	3	18±	20±	2.5	2.0	Low, co-dominant trunk structure with included attachment and seam with fissure. Symmetrical crown form. Moderate low vigor and foliage density.	Marginal	Yes				RC	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Avoid CRZ. If CRZ impacted, detailed assessment required. 4.) Implement special procedures dependent upon specific impact. 5.) Provide cultural procedures including supplemental irrigation.

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GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
290	157	coast live oak	14" (low)	1	20±	20'-22±	3.0	3.0	Semi-mature tree with dense and symmetrical structure. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes	16'	6'	Located adjacent to grading limits.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
354	158	coast live oak	13"; 18"	2	20±	25±	2.5	2.0	Low, two trunk structure with included attachments. Generally symmetrical crown form. Moderate low vigor and foliage density.	Marginal	Yes				RC	
355	159	coast live oak	11"	2 @ 5.5'	25±	20±	2.0	2.5	Semi-mature tree with asymmetrical crown form extending downslope. Open limb structure. Vigor is low with significant limb and branch dieback.	Marginal	Yes				RC	
356	160	coast live oak	12"	1	25±	25±	2.5	3.0	Semi-mature tree with symmetrical crown form. No significant structural defects. Vigor is variable with areas of branch dieback occurring.	Moderate	Yes				RC	
358	161	coast live oak	23"	1	35±	35±	2.0	3.0	Mature tree with symmetrical crown form. No significant structural defects. Poor crown density with substantial branch dieback occurring. All internal foliage is gone.	Marginal	Yes				RC	
359	162	coast live oak	18"	1	35±	35±	3.0	2.5	Mature tree with moderately asymmetrical form extending upslope. Extended limb forms. Decayed trunk stub on lower trunk. Vigor is moderate with sporadic branch dieback occurring.	Moderate	Yes				RC	
360	163	coast live oak	11"	1	35±	20±	1.5	3.0	Single trunk structure with high branched form. Very low vigor and poor density. Weak tree.	Poor	Yes				RC	
370	164	coast live oak	20"	1	35±	30±	1.5	3.0	Mature tree with moderately asymmetrical form extending downslope. No significant structural defects. Very low vigor with extensive branch and twig dieback occurring.	Poor	Yes				RC	
372	165	coast live oak	7"; 10"; 10"; 12"	4	35±	30±	1.5	2.5	Semi-mature tree with low, multiple trunk structure. Moderately asymmetrical extending down slope. No significant structural defects. Very poor vigor with extensive branch and twig dieback.	Poor	Yes				RC	
377	166	coast live oak	12"	1	35±	30±	2.5	3.0	Young tree with generally symmetrical crown form. Possible lower trunk canker. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	
378	167	coast live oak	12"	2 @ 6'	35±	30±	2.5	3.0	Young tree with two trunks forming at 6'. Moderately asymmetrical form extending down slope. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	
384	168	coast live oak	8"; 12"	2	12±	10±	2.5	2.0	Tree has been severely topped with regrowth forming crown. Moderately low vigor and density.	Marginal	Yes				RC	
385	169	coast live oak	25"	4 @ 5'	25±	30±	2.0	3.0	Symmetrical crown form with no significant structural defects. Vigor is low with extensive twig dieback occurring.	Marginal	Yes				RC	
386	170	coast live oak	10"; 10"	2 @ 4.5'	22±	20±	2.0	2.5	Co-dominant trunk structure with trunks forming at 4.5'. Upright form. Very low vigor with extensive branch and twig dieback occurring.	Marginal	Yes				RC	
387	171	coast live oak	4"; 7"	2 @ 3.5'	20±	12±	2.0	2.5	Young tree with no significant structural defects. Upright crown form. Vigor and foliage density are low.	Marginal	Yes				RC	
390	172	coast live oak	12"; 12"	2	30±	20±	2.5	2.0	Low, two trunk structure with reaction wood ridge at trunk union. High-branched structure. Vigor is variable with areas of twig dieback.	Marginal	Yes				RC	
392	173	coast live oak	6.5"; 8.5"	2	20±	12±	2.5	2.5	Low, two trunk structure. Shaded, high-branched structure. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	

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GFS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Stability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
397	174	coast live oak	7"-12"	2	30±	25±	2.0	3.0	Semi-mature tree with upright form. No significant structural defects. Vigor and foliage density are low.	Marginal	Yes				RC	
399	175	coast live oak	13"	1	35±	25±	2.0	3.0	Semi-mature tree with high-branched structure. No significant structural defects. Vigor and foliage density are low.	Marginal	Yes				RC	
401	176	coast live oak	9"-10"	2	20±	20±	2.0	2.0	Small tree with two trunks forming at 5'. Extensive lower trunk wound. Vigor and foliage density are low.	Poor to Marginal	Yes				RC	
404	177	coast live oak	10.5"	1	30±	20±	1.5	3.0	Small tree with high-branched structure. Extensive branch and twig dieback occurring with little foliage remaining.	Poor	Yes				RC	
	9188	coast live oak	18"	cluster					Not evaluated.		Yes				RC	
	9200	coast live oak	24"						Not evaluated.		Yes	24'	8'	Located away from grading limits.	NI	
	9288	coast live oak	11"	1	25±	20±	2.5	2.5	Single trunk structure. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	
	9241	coast live oak	7"	1	20±	10'-15±	2.5	2.5	Young tree. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	
	9269	coast live oak	6"	1					Not evaluated.		Yes				RC	
	9274	coast live oak	8"	1	20±	10'-15±	2.5	2.5	Young tree. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	
	9275	coast live oak	8"	1	20±	10'-15±	2.5	2.5	Young tree. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes				RC	
	9277	coast live oak	9"	1	20±	10'-15±	2.5	2.5	Young tree. No significant structural defects. Moderate low vigor and foliage density.	Moderate	Yes	10'	3'	Located close to building footprint.	M	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	9285	coast live oak	10"						Not evaluated.		Yes	12'	4'	Located outside grading limits.	NI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9300	coast live oak	6"						Not evaluated.		Yes	8'	3'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9301	coast live oak (#71)	6"	1	35±	20±	3.0	2.5	Narrow, high-branched structure with co-dominant trunks forming at 15'. Growing in shaded conditions. Vigor and foliage density are moderate.	Moderate	Yes				RC	
	9302	coast live oak	7"						Not evaluated.		Yes				RC	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9305	coast live oak	8"						Not evaluated.		Yes	10'	3'	New walkway located near tree.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9312	coast redwood	19"						Not evaluated.		Yes	20'	8'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.
	9316	coast redwood	30"						Not evaluated.		Yes	30'	10'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.
	9318	coast redwood	13"						Not evaluated.		Yes	16'	6'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.
	9320	coast redwood	18"						Not evaluated.		Yes	18'	6'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.

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GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
	9321	coast redwood	27"						Not evaluated.		Yes	30'	10'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.
	9322	coast redwood	36"	diater					Not evaluated.		Yes	36'	12'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.
	9325	coast redwood	26"						Not evaluated.		Yes	26'	8'	Located near future walkway.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9326	coast redwood	36"						Not evaluated.		Yes	36'	12'	Located near future walkway.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9331	coast live oak	9"; 12"						Not evaluated.		Yes	14'	4'	Located away from grading limits.	NI	1.) Provide cultural procedures including supplemental irrigation.
	9333	coast live oak	8"						Not evaluated.		Yes				RC	
	9335	coast live oak	24"						Not evaluated.		Yes				RC	
	9336	coast live oak	14"; 20"						Not evaluated.		Yes				RC	
	9337	coast live oak	9"						Not evaluated.		Yes				RC	
	9345	coast live oak	35" (low)	4 @ 4'-8"	40'-45'±	40'-45'±	3.0	2.0	Mature tree with four trunk structure. Wide, symmetrical crown form. Two pronounced reaction wood ridges at union with small fissures. Vigor and foliage density are moderate.	Marginal	Yes				RC	
	9346	coast live oak	12"; 15.5"	2	30'±	30'±	3.0	2.5	Semi-mature tree with moderately asymmetrical crown form extending to west. Pruned for clearance. Trunk union is partly included with seam present. Vigor and foliage density are moderate.	Moderate	Yes				RC	
	9347	coast live oak	8"; 16"	2	20'±	20'±	3.0	2.5	Semi-mature tree with symmetrical form. Reaction wood ridge and seam present at trunk union. Exposed surface roots. One girdling root observed. Vigor and foliage density are moderate.	Moderate	Yes	16'	6'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9348	coast live oak	11"; 11"; 11.5"; 15"	4	30'-35'±	40'±	3.0	2.5	Low, multiple trunk structure with symmetrical crown form. Seams and small fissures present at trunk unions. Vigor and foliage density are moderate.	Moderate	Yes	24'	8'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9351	coast live oak	20"; 21"	2	50'-55'±	60'±	2.5	2.0	Mature tree with low, co-dominant trunk structure. Symmetrical crown form. Shallow reaction wood ridge with seam at union. Lower trunk pruning wound with decay. Vigor and foliage density is moderately low.	Marginal	Yes	30'	10'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.

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GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rabbig	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
	9352	coast live oak	16"; 19"	2	50±	35'-40"±	1.5	2.0	Mature tree with symmetrical crown form and two trunks forming at 3.5'. Lower trunk wound with cavity present. Deep seam at trunk union. Vigor is low with significant branch and twig dieback occurring.	Poor	Yes	24'	8'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9353	coast live oak	35.5 (low)	3 @ 4.5'	50±	60±	2.5	2.5	Mature tree with low, multiple trunk structure. Crown is moderately asymmetrical to southwest. Areas of trunk decay present at old pruning wounds. Vigor is variable with areas of twig dieback occurring.	Moderate	Yes	36'	12'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9354	coast live oak	20"; 30" ±	2	50-55±	40'-45"±	2.0	2.0	Mature tree with low, two trunk structure. Symmetrical crown form. Trunk union is included with reaction wood ridge present. Areas of trunk decay at old pruning wounds. Vigor is low with significant twig dieback occurring.	Poor	Yes	36'	12'	Close to driveway improvements.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	9355	coast live oak	15"; 20"; 21"	3	50-55±	40'-45"±	1.5	2.0	Mature tree with low, multiple trunk structure. Symmetrical crown form. Seams at trunk unions. Areas of decay at old pruning wounds. Very low vigor with extensive branch and twig dieback occurring.	Poor	Yes	30'	10'	Close to driveway improvements.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	9356	coast live oak	10"; 12"; 15"; 16"; 24"	5	50-55±	50'-55"±	2.5	2.0	Dense, multiple trunk structure with symmetrical form. Trunk unions are marginal with partly included attachments and seams. Areas of decay at old pruning wounds. Moderate low vigor and foliage density with branch and twig dieback occurring.	Marginal	Yes	30'	10'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9357	coast live oak	28" (low)	3 @ 4.5'	45±	40±	2.0	2.0	Dense, multiple trunk structure with generally asymmetrical form extending to south and southeast. Seams present at trunk unions. Areas of trunk and limb decay observed. Vigor is variable with areas of significant branch dieback.	Poor to Marginal	Yes	30'	10'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9358	coast live oak	6.5"; 14"	2	30±	30±	2.0	2.0	Semi-mature tree. 6.5" trunk is dead. 14" trunk has strong asymmetrical form extending to the southeast. Vigor and foliage density is moderate in remaining portion of crown.	Poor to Marginal	Yes	16'	6'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	9361	coast live oak	11"; 16"; 18"	3	50-55±	40'-45"±	2.5	2.5	Mature tree with low, multiple trunk structure. Upper crown is asymmetrical and extending to north. Upper crown limbs have marginal taper. Generally Moderate low vigor and foliage density. Poor wound closure.	Moderate	Yes	24'	8'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.

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GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
	9362	coast live oak	9"; 10"; 11"; 16"	4	40±	40'-45"±	3.0	2.5	Semi-mature tree with low, multiple trunk structure. Trunk attachments are partly included with seams. One trunk is vertical, while other extend at a 45° angle to west. Vigor and foliage density are moderate.	Moderate	Yes				RC	
	9363	coast live oak	18"	2 @ 5.5'	40±	30'-35"±	2.0	2.0	Semi-mature tree with asymmetrical form extending to west. Tree has been over-pruned with open limb structure. Vigor is low, with twig dieback occurring.	Poor to Marginal	Yes				RC	
	9364	coast live oak	10"; 17"	2	40'-45"±	30"±	2.0	2.0	Low, two-trunk structure with one trunk previously removed. Extended trunk forms and high-branched structure over parking lot. Generally low vigor with twig dieback occurring.	Poor to Marginal	Yes				RC	
	9365	coast live oak	11.5"; 22"	2	45'-50"±	40"±	2.0	2.5	Low, two trunk structure. 11.5" trunk has extended and bowed form. Areas of trunk and limb decay at old pruning wounds. Vigor is variable with significant epicormic growth and twig dieback occurring.	Marginal	Yes				RC	
	9380	coast live oak	19.5"	1	35"±	35'-40"±	3.0	2.5	Mature tree with symmetrical crown form. Secondary trunks form at 5' with seams. No significant structural defects observed. Vigor and foliage density are moderate.	Moderate	Yes	20'	8'	Close to building demolition.	M1	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	9308 (#63)	bay laurel	10"; 10"; 11"	3	40"±	40"±	2.5	2.5	Three-trunk structure with partial included trunk attachment. Tree has severe sooty mold infection and probable scale infestation. Dead 10' coast live oak adjacent.	Marginal	Yes				RC	
	24	coast live oak	15"	1	40"±	30"±	3.0	3.0	Semi-mature tree with no significant structural defects observed. Vigor and foliage density are good.	Moderate to good.	Yes	16'	6'	Located outside grading limits.	NI	
	25	coast live oak	24" low	1	50"±	40"±	3.0	3.0	Semi-mature tree with no significant structural defects observed. Limited co-dominant trunk seam observed. Vigor and foliage density are moderate.	Moderate to good.	Yes	24'	8'	Located outside grading limits.	NI	
	26	coast live oak	13"	1	55"±	40"±	2.0	3.0	Upright trunk form with no significant structural defects observed. Significant twig dieback occurring with vigor variable within crown.	Marginal	Yes	16'	6'	Located outside grading limits.	NI	
	27	coast live oak	10"; 15"; 16"	3 @ 4'	50"±	45"±	3.0	3.0	Semi-mature tree with no significant structural defects observed. Limited co-dominant trunk seam observed. Vigor and foliage density are moderate.	Moderate to good.	Yes	24'	8'	Located outside grading limits.	NI	
	28	coast live oak	19"	2 @ 7'	60"±	50"±	2.5	2.0	Two trunk structure with pronounced reaction wood ridge present indicating probable internal fracture. Areas of significant branch and twig dieback occurring.	Marginal	Yes				RC	
	29	coast live oak	30"±	2 @ 4'	60"±	50"±	2.5	2.0	Tree has severe included trunk attachment with one limb broken. Vigor and foliage density are moderately low.	Marginal	Yes	30'	10'	Located outside grading limits.	NI	
	30	coast live oak	20"±	3 @ 5'	45"±	40"±	2.5	2.0	Located above graded slope with substantial root loss probable. One limb attachment is split. Vigor and foliage density are moderately low.	Marginal	Yes	20'	8'	Located outside grading limits.	NI	
	31	coast live oak	24"±	2 @ 4'	50"±	45"±	3.0	2.5	Semi-mature tree with smaller trunk having included attachment with pronounced reaction wood ridge. Located adjacent to v-ditch. Vigor and foliage density are moderate.	Moderate	Yes	24'	8'	Grading limits close to or within TPZ.	L1	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.

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GPS Waypoint	Physical Tag #	Species	Trunk Diameter @ 4.5'	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based Upon Condition)	Protected Tree Status	Tree Protection Zone (TPZ) (Radius)	Critical Root Zone (CRZ)	Construction Impact	Impact Code	Recommendations
	32	coast live oak	9", 17"	2	40±	35±	3.0	2.5	Semi-mature tree with smaller trunk having possible reaction wood ridge. Internal seam occurring in primary trunk. Vigor and foliage density are moderate.	Moderate	Yes	20'	8'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	33	coast live oak	18" low	4 @ 4'	30±	30±	3.0	2.5	Low crown form with closely spaced, multiple limb attachments forming at 4'. Partly included attachment present. Vigor and foliage density are moderate.	Moderate	Yes	18'	6'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	34	coast live oak	6", 7", 10", 10", 18"	5	25±	30±	2.5	2.0	Low, multiple trunk structure with included attachments and reaction wood ridge. One attachment has active slime flux infection.	Marginal	Yes	20'	8'	Located near new building footprint.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	35	coast live oak	16", 17" low	2	30±	30±	3.0	3.0	Low multiple trunk structure with no significant structural defects observed. Vigor and foliage density are moderate.	Moderate	Yes	24'	8'	Located near new building footprint.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	36	coast live oak	7", 11", 13", 11"	3	30±	30±	3.0	3.0	Low multiple trunk structure with no significant structural defects observed. Vigor and foliage density are moderate.	Moderate	Yes	15'	6'	Located near new building footprint.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	37	coast live oak	8", 9", 10", 11"	4	25±	25±	2.5	2.5	Cluster of oak stems originating from basal sprouts with horizontal and then ascending forms. Two larger trunks are upright. Low multiple trunk structure with no significant structural defects observed. Vigor and foliage density are moderately low.	Marginal to moderate.	Yes	18'	6'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	38	coast live oak	30"	4 @ 5'	65±	60±	3.0	2.0	Mature tree with closely spaced, multiple limb attachments forming at 5' with probable included reaction wood ridge. Upright crown form with high-branched structure. Vigor and foliage density are moderate. Bay laurels are near base of trunk.	Marginal	Yes	30'	10'	Located downslope of grading limits.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	39	coast live oak	16", 22"	2	60±	65±	3.0	3.0	Mature tree with symmetrical and full crown form. Seam and reaction wood ridge present at one trunk attachment, other wise no significant defects observed. Fill soils are placed against lower trunk.	Moderate to good.	Yes				RC	
	40	coast live oak	2'-6"	5	20±	20±	2.5	3.0	Group of small diameter oaks growing below mature Monterey pine. High-branched structures due to shading.	Moderate	Yes				RC	

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	41	coast live oak	2"; 3"; 6"; 8"	4	20±	20±	3.0	3.0	Cluster of small oaks around a dead coast redwood. Vigor and foliage density are moderate.	Moderate to good.	Yes	10'	3'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	42	coast live oak	14"	1	45±	25±	3.0	3.0	Semi-mature tree with narrow, upright crown form. No significant structural defects observed. Vigor and foliage density are moderate. Three < 4" oaks and small bay laurels adjacent.	Moderate to good.	Yes	15'	6'	Located downslope of grading limits.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	43	coast live oak	4"; 9"	2	40±	20±	3.0	2.5	Narrow, high-branched structure due to shading. Vigor and foliage density are moderate. Fill soil is piled against lower trunk.	Moderate	Yes	10'	3'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	44	coast live oak	9"	1	35±	20±	3.0	2.5	Narrow structure due to shading. Closely spaced, multiple limb attachments from at 10'. Vigor and foliage density are moderate.	Moderate	Yes	10'	3'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	45	coast live oak	7"	1	40±	15±	3.0	2.5	Narrow structure due to shading. Vigor and foliage density are moderate.	Moderate	Yes	10'	3'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	46	coast live oak	10"; 16"	2	50±	35±	3.0	3.0	Two-trunk structure forming at grade. High-branched structure and lower branch dieback due to shading. Vigor and foliage density are moderate.	Moderate to good.	Yes				RC	
	48	coast live oak	7"; 14"	2	35±	30±	3.0	2.0	Low, two-trunk structure with included attachment and seam. Tree is asymmetrical due to shading. Vigor and foliage density are moderate.	Marginal	Yes				RC	
	49	coast live oak	13.5"	2 @ 10'	50±	40±	3.0	2.5	Semi-mature tree with high-branched structure with co-dominant trunks originating at 10'. Vigor and foliage density are moderate.	Moderate	Yes	15'	6'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	50	coast live oak	7"	1	45±	20±	2.5	2.5	Shade suppressed tree with narrow, high-branched structure. Vigor is moderately low.	Marginal to moderate.	Yes				RC	
	51	coast live oak	11"	2 @ 6'	50±	35±	3.0	2.0	Narrow, high-branched structure with co-dominant trunks forming at 6'. Reaction wood ridge present at union. Vigor and foliage density are moderate. Two large toyon nearby.	Marginal	Yes				RC	
	53	coast live oak	13"	2 @ 6'	40±	30±	3.0	2.5	Curving trunk structure with co-dominant trunks forming at 6'. Vigor and foliage density are moderate. Bay laurel at base of trunk.	Moderate	Yes				RC	
	54	coast live oak	4"; 4.5"; 5"; 6"; 7"; 8"	6	25±	25±	2.5	2.5	Cluster of small oaks amongst plums and broom. Growing in shaded conditions.	Marginal to moderate.	Yes				RC	

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	55	coast live oak	3", 5", 7"	3	20±	15±	3.0	3.0	Cluster of three small diameter trees. Growing adjacent to Monterey pine stump. Vigor and foliage density are moderate. Small seedling oaks and bay laurels adjacent.	Moderate to good.	Yes	10'	3'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	57	coast live oak	7"	1	35±	20±	3.0	3.0	Narrow structure due to shading. Vigor and foliage density are moderate. Small diameter bay laurels and plums are adjacent.	Moderate to good.	Yes				RC	1.) Evaluate final grading/ construction or demolition impacts.
	60	coast live oak	14"	1	45±	30±	3.0	2.5	Narrow, upright crown form with co-dominant trunks forming at 7'. Shaded, high-branched structure. Vigor and foliage density are moderate.	Moderate	Yes	16'	6'	Located in area with limited walkway construction and roadway/sidewalk improvements.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	61	coast live oak	17"	1	45±	35±	3.0	3.0	Semi-mature tree with no significant structural defects observed. Vigor and foliage density are moderate.	Moderate to good.	Yes				RC	
	62	coast live oak	12"	1	40±	25±	3.0	3.0	Semi-mature tree with no significant structural defects observed. Vigor and foliage density are moderate. Wood frame is impacting trunk.	Moderate to good.	Yes				RC	
	64	coast live oak	13"	2	25±	35±	3.0	2.5	Two-trunk structure forming at 3.5'. Partly included trunk attachment. Small diameter bay laurel adjacent.	Moderate	Yes	16'	6'	Located away from grading limits.	NI	
	65	coast live oak	19"	2 @ 6'	45±	40±	3.0	3.0	Mature tree with symmetrical crown form. No significant structural defects observed. Dense broom and plums around tree. Vigor and foliage density are moderate.	Moderate to good.	Yes	20'	8'	Locate outside grading limits.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	66	coast live oak	8"	1	30±	20±	3.0	3.0	Growing adjacent to tree #65. Shaded, high-branched structure. Vigor and foliage density are moderate.	Moderate to good.	Yes	10'	3'	Locate outside grading limits.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	69	coast live oak	13"	2	20±	20±	3.0	3.0	Young tree with no significant structural defects observed. Vigor and foliage density are moderate.	Moderate to good.	Yes	16'	6'	Locate outside grading limits.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	70	coast live oak	7"	1	20±	15±	3.0	3.0	Young tree with no significant structural defects observed. Vigor and foliage density are moderate. Growing at edge of shaded canopy.	Moderate to good.	Yes	10'	3'	Locate outside grading limits.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	72	coast live oak	12", 18"	2	30±	30±	2.0	1.0	18" trunk is dead. 12" trunk has curving form and is probably unstable.	Poor	Yes	25'	8'	Located 10' from grading limits.	SI	1.) Evaluate structural condition.
	73	coast live oak	40" low	5	65±	70±	2.5	3.0	Mature tree with very large multiple trunk structure. Wide and symmetrical crown form. Vigor is variable within crown. Areas of limb decay observed.	Moderate	Yes				RC	

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	75	coast live oak	30"	5+	65±	70±	2.5	2.5	Mature tree with dense multiple trunk structure. Wide, symmetrical crown form. A portion of the trunk unions are included with reaction wood ridges present. Vigor is variable within crown. Bay laurel is adjacent to trunk.	Marginal to moderate.	Yes				RC	
	76	coast live oak	17"	1	45±	30±	3.0	3.0	This following group of trees are generally high-branched structure due to shading with moderately asymmetrical forms due to downslope location below upslope, dominant trees. Vigor and foliage density are moderate.	Moderate	Yes				RC	
	77	coast live oak	15"	1	45±	30±	3.0	3.0	Same.	Moderate	Yes	16'	6'	Grading limits close to or within TPZ.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	78	coast live oak	9"	1	35±	25±	2.5	2.5	Same. Shade suppressed tree.	Moderate	Yes	10'	3'	Located at edge of grading limits.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	79	coast live oak	17"	2	40±	35±	3.0	2.0	Same. Co-dominant trunk structure with included attachment and deep stem.	Marginal	Yes	18'	6'	Located at edge of grading limits.	MI	1.) Evaluate final grading/ construction or demolition impacts. 2.) Tree protection fencing required. 3.) Implement special procedures dependent upon specific impact. 4.) Provide cultural procedures including supplemental irrigation.
	80	coast live oak	7"	1	25±	15±	3.0	2.5	Same. Strongly asymmetrical crown form.	Moderate	Yes	10'	3'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	81	coast live oak	5"	1	25±	15±	3.0	2.5	Same. High-branched structure with low trunk taper.	Moderate	Yes	8'	3'	Grading limits close to or within TPZ.	U	1.) Evaluate final grading/ construction or demolition impacts. 2.) Minimally tree protection fencing required. 3.) Implement special procedures if encroachment into TPZ occurs. 4.) Provide cultural procedures including supplemental irrigation.
	82	coast live oak	13"	1	35±	25±	3.0	3.0	Same. High-branched structure with low trunk taper.	Moderate	Yes				RC	
	83	coast live oak	9"	1	30±	20±	3.0	3.0	Same.	Moderate	Yes				RC	
	84	coast live oak	5"; 8"	2	30±	25±	3.0	2.0	Same. Low, two-trunk structure with included attachment.	Marginal	Yes				RC	
002	302	coast live oak	9"; 9"; 12"; 13"	4	35±	35±	1.0	3.0	Low, multiple trunk form. Tree is mostly dead.	Poor	Exempt	NA	NA	Located outside probable grading limits.	U/MI	1.) Evaluate final grading plan.
004	304	coast live oak	6"; 10"; 10"; 13"	4	25-30±	25-30±	2.0	2.0	Low. Multiple trunk structure with included trunk unions. Vigor and foliage density are low.	Poor to Marginal	Yes	25'	8'	Located outside probable grading limits.	U/MI	1.) Evaluate final grading plan.
005	305	coast live oak	7"; 12"	2	25-30±	20-25±	2.0	2.5	Two trunk structure with seam at trunk union. Vigor and foliage density are low.	Marginal	Yes			Located outside probable grading limits.	U/MI	1.) Evaluate final grading plan.

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006	306	coast live oak	26.5"	1	40'-45"	50'-55"	2.5	3.0	Single trunk structure with moderately asymmetrical form extending upslope. Variable vigor and foliage density.	Moderate	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
007	307	coast live oak	18"; 20"	2	40'-45"	50'-55"	1.0	2.0	Low, co-dominant trunk structure. Tree is mostly dead.	Poor	Exempt	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
008	308	coast live oak	11"; 20"	2	40'-45"	50'-55"	1.5	2.0	Low, two-trunk structure with upright form. Included trunk attachment. Probable trunk fissure present. Vigor is very low with low foliage density.	Poor	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
009	309	coast live oak	17"; 18"	2	40'-45"	45'-50"	2.5	2.0	Two-trunk structure forming at 5' with generally upright form. Lower trunk fissures present. Vigor and foliage density are moderately low.	Marginal	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
010	310	coast live oak	15"	1	40'-45"	35'-40"	3.0	3.0	Single trunk structure with upright form. No significant structural defects observed. Moderate vigor and foliage density.	Moderate	Yes	15'	6'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
012	312	coast live oak	24"; 24"	2	50'-55"	40'-45"	2.5	2.0	Low, co-dominant trunk structure. Asymmetrical crown form extending downslope. Reaction wood ridge at trunk union and bark fissures. Probable lower trunk decay. Vigor is variable with areas of branch dieback. Apparent Diplobolia twig infection.	Marginal	Yes				RC	
013	313	coast live oak	12"	1	20"	25"	1.0	1.5	Significant trunk bend from old trunk failure. Tree is mostly dead.	Poor	Exempt				RC	
014	314	coast live oak	9"; 13"; 18"	3	45'-50"	40'-45"	2.0	2.0	Low, multiple trunk structure originating from basal sprouts. Upright crown form. Seam between 9" and 13" trunks. Vigor and foliage density are variable with twig dieback occurring.	Poor to Marginal	Yes				RC	
015	315	coast live oak	16"	1	30'-35"	35"	2.5	2.5	Single trunk structure with strong asymmetrical form extending cross-slope. No significant structural defects. Vigor and foliage density are variable.	Marginal to Moderate	Yes				RC	
017	317	coast live oak	13"; 14"; 16"; 18"	4	35'-40"	30'-35"	2.0	2.0	Low, four-trunk structure originating as basal sprouts. Symmetrical crown form. Areas of trunk decay. Vigor and foliage density are low with branch and twig dieback occurring.	Poor to Marginal	Yes				RC	
018	318	coast live oak	8"; 10"; 10"	3	25'-30"	25"	1.5	2.5	Multiple trunk structure forming at 3' to 4'. Very low vigor and foliage density.	Poor	Yes				RC	
019	319	coast live oak	13"; 15"; 16"; 18"	4	35'-40"	50'-55"	3.0	2.5	Low, wide, multiple trunk structure. Two horizontal trunks. Generally moderate vigor and foliage density.	Moderate	Yes				RC	
020	320	coast live oak	5"; 12"; 12"	3	30'-35"	25'-30"	3.0	2.0	Low, multiple trunk structure with old pruning cuts. One trunk is broken. Asymmetrical form extending upslope. Moderate vigor and foliage density.	Marginal	Yes				RC	
021	321	coast live oak	12"; 12"; 15"	3	30'-35"	25'-30"	3.0	2.5	Multiple trunk structure forming at 4'. Upright form. Seams at trunk unions. Moderate vigor and foliage density.	Moderate	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
022	322	coast live oak	16"	1	25'-30"	25'-30"	2.5	3.0	Single trunk structure with open form. Variable vigor and foliage density.	Moderate	Yes	15'	4'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
023	323	coast live oak	7"; 8"; 15"; 16"	4	35'-40"	35'-40"	3.0	2.0	Low, multiple trunk structure with included attachment and seam. Symmetrical crown form. Moderate vigor and foliage density. Pine limb suspended in crown.	Marginal	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
025	325	coast live oak	13"; 20"	2	35'-40"	35'-40"	2.0	2.5	Low, two-trunk structure with areas of decay. Moderately asymmetrical crown form extending downslope. Vigor and foliage density are low.	Marginal	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.
026	326	coast live oak	12"; 15"	2	30'-35"	30'-35"	2.5	2.5	Low, co-dominant trunk structure. Asymmetrical crown form extending downslope. Vigor and foliage density are variable.	Marginal to Moderate	Yes	25'	8'	Located outside probable grading limits.	U/M	1.) Evaluate final grading plan.

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027	327	coast live oak	11"; 12"	2	25'-30"±	25'-30"±	2.5	2.5	Low, co-dominant trunk structure. Asymmetrical crown form extending downslope. Vigor and foliage density are variable.	Marginal to Moderate	Yes	25'	8'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.
028	328	coast live oak	16"; 16"	2	25'-30"±	25'-30"±	2.5	2.0	Low, co-dominant trunk structure with lower trunk wounds and decay. Upright form. Moderately low vigor and foliage density.	Marginal	Yes	25'	8'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.
029	329	coast live oak	12"; 13"; 17"	3	30'-35"±	30'-35"±	2.5	2.0	Three-trunk structure forming at 4' to 5'. Included trunk union with pronounced reaction wood ridge and flux infection. Moderately low vigor and foliage density.	Marginal	Yes	25'	8'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.
030	330	coast live oak	10"; 12"; 15"	3	35'-40"±	30'-35"±	3.0	2.5	Low, multiple trunk structure with 10"/12" trunk union included. Moderately asymmetrical from extending downslope. Vigor and foliage density are moderate.	Marginal to Moderate	Yes				RC	
031	331	coast live oak	20"	1	30'-35"±	30'-35"±	2.0	2.5	Co-dominant trunk structure at 6'. Moderately asymmetrical from extending upslope. Vigor and foliage density are low.	Marginal	Yes	20'	6'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.
032	332	coast live oak	10"; 12"	2	20"±	20"±	2.0	1.0	Low, two trunk structure. 3rd trunk previously removed. Extensive lower trunk decay. Vigor and foliage density are low.	Poor	Yes	15'	4'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.
033	333	coast live oak	20.5"	1	30'-35"±	30'-35"±	3.0	2.0	Co-dominant trunks form at 7'. Seam at union. Significant wound from previous limb failure on south trunk. Moderate vigor and foliage density.	Marginal	Yes	20'	6'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.
034	334	coast live oak	13"; 18"	2	25'-30"±	20'-25"±	2.5	3.0	Two-trunk structure forming at 4.5'. Growing below crown of pine. Partially included trunk union. Variable vigor with twig dieback occurring.	Marginal to Moderate	Yes				RC	
035	335	coast live oak	11"; 15"; 16"; 19"	4	30'-35"±	30'-35"±	2.5	2.0	Low, multiple trunk structure with included attachments. Seams and reaction wood ridge present. Cavity at base of trunk. Symmetrical crown form.	Marginal	Yes				RC	
036	336	coast live oak	17"; 18"	2	25'-30"±	25'-30"±	2.0	2.5	Variable vigor with twig dieback occurring. Low, two trunk structure with partial included trunk attachment with reaction wood ridge. Vigor is low with significant branch and twig dieback occurring.	Marginal	Yes	20'	6'	Located outside probable grading limits.	LJ/MI	1.) Evaluate final grading plan.