



Re: Tree Inventory & Preliminary Recommendations for Diablo Trail Project, Danville

Note: This is not a comprehensive arborist report – it encompasses the tree and inventory and preliminary recommendations for client review. The report will be completed once input is received.

#s: Each tree was given a number ranging from #101-147. Their locations are given in the tree protection plan. Some trees were not surveyed, so I approximately located them on the plan.

DBH (Diameter at Breast Height): Trunk diameters in inches were measured at 4.5’ above average grade with a diameter tape. Height of measurement may deviate from the standard on atypical trunks; deviations are noted under the “Comments” section.

Health & Structural Condition Rating

Dead: Dead or declining past chance of recovery.

Poor (P): Stunted or declining canopy, poor foliar color, possible disease, or insect issues. Severe structural defects that may or may not be correctable. Usually not a reliable specimen for preservation.

Fair (F): Fair to moderate vigor. Minor structural defects that can be corrected. More susceptible to construction impacts than a tree in good condition.

Good (G): Good vigor and color, with no obvious problems or defects. Generally more resilient to impacts.

Very Good (VG): Exceptional specimen with excellent vigor and structure. Unusually nice.

Dripline: Canopy radius was visually estimated in each cardinal direction.

Age

Young (Y): Within the first 20% of expected life span. High resiliency to encroachment.

Mature (M): Between 20% - 80% of expected life span. Moderate resiliency to encroachment.

Overmature (OM): In >80% of expected life span. Low resiliency to encroachment.

#	Species	DBH	Health	Structure	Dripline				Age	Comments	Preliminary Recommendations
					N	E	S	W			
101	Valley Oak (<i>Quercus lobata</i>)	35	F/F-P	F	25	5	35	20	M-OM	Root crown slightly buried. Codominant stems at 8' with wide attachment. Large scaffold limb removed at 5', has wound wood. Significant dieback up to 4" in diameter, especially on S side of canopy. Pruned for high voltage wire clearance. DBH measured at 3.5'. 2' from proposed trail.	To reduce impact, shift trail further from trunk; no native soil compaction & limit excavation within 40' of trunk. Tree may still decline.
102	Coast Live Oak (<i>Quercus agrifolia</i>)	10	G-F	F	15	5	5	10	Y	Root crown slightly buried. Codominant stems at 15', narrow union, possible included bark. Epicormic growth on S side of trunk. Very minor twig dieback. Sparse canopy. 3' from proposed trail.	To reduce impact, shift trail further from trunk; no native soil compaction & limit excavation within 10' of trunk.

#	Species	DBH	Health	Structure	Dripline				Age	Comments	Preliminary Recommendations
					N	E	S	W			
103	Valley Oak	21	F/F-P	F/F-P	35	15	30	10	M	Buried root crown. Vehicle wound on NW side of trunk. 4' x 2.5'; reaction wood. Codominant stems at 7' with wide union. Stunted shoot growth. Moderate dieback up to 2" in diameter. Pruned for high voltage wire clearance. 2' from proposed trail.	To reduce impact, shift trail further from trunk; no native soil compaction & limit excavation within 25' of trunk.
104	Coast Live Oak	15	G/G-F	F/F-P	25	10	0	25	Y-M	Codominant stems with included bark at 5'; 2" bulge on SE side of union. Large wound on stem growing over road; ~60% of wood removed by vehicle. Minor twig dieback and slightly sparse canopy. In proposed trail.	Remove
105	Valley Oak	12	G	F/F-P	25 SW				Y	Understory tree. Phototropic growth to SW. Dense buds and foliage. DBH estimated. 9' from proposed trail.	To reduce impact, shift trail as close to road as feasible.
106	Valley Oak	30	G/G-F	F	50 NW				M	At edge of top of bank. Phototropic growth to NW. Dense foliage. Very minor twig dieback. DBH estimated. Tree not tagged. 6' from proposed trail.	To reduce impact, shift trail as close to road as feasible; no native soil compaction & limit excavation within 30' of trunk.
107	Valley Oak	16	G/G-F	F	30 SW				M	Understory tree. Dense foliage. Doglegs at 25'. DBH estimated. Tree not tagged. 5' from proposed trail.	To reduce impact, shift trail as close to road as feasible; no native soil compaction & limit excavation within 15' of trunk.
108	Coast Live Oak	28	G	F	25 NW	15 E	25 S		M	Root crown buried. Codominant stems at 8' with bulging beneath, likely included bark. Dense canopy, good vigor. 4' from proposed trail.	To reduce impact, shift trail as close to road as feasible; no native soil compaction & limit excavation within 25' of trunk.
109	Valley Oak	40	F	F	40 NE	25	45	40	M	Tridominant stems at 7' with wide unions. Grass growing in union. Heading cuts for high voltage wire clearance. Epicormic growth on N scaffold branches. Stunted shoots but dense foliage. DBH estimated. Tree not tagged. In proposed trail.	Remove
110	Valley Oak	36	F/F-P	G-F/F	10	20	50	15	M	Trunk on edge of creek bank. Moderate dieback up to 4" in diameter. Epicormic growth on SE secondary scaffold. DBH estimated. Tree not tagged. 16' from proposed trail.	No native soil compaction & limit excavation within 40' of trunk (preferably beneath trail as well). Tree may still decline.
111	Valley Oak	22	F/F-P	G-F	25	20	25	15	M	Trunk on edge of creek bank. Exterior deadwood up to 8" in diameter. Epicormic growth on stem & scaffold branches. DBH estimated. Tree not tagged. 13' from proposed trail.	No native soil compaction & limit excavation within 25' of trunk (preferably beneath trail as well). Tree may still decline.
112	Coast Live Oak	15	G	G-F	15	25	15	15	Y-M	Very dense canopy, dark green leaf color. Codominant stems at 5' with wide union. In proposed trail.	Remove
113	Coast Live Oak	16	G	F	20	40	10	15	Y-M	Root crown slightly buried uphill. Phototropic growth to E. Dense canopy; vigorous new growth. DBH estimated. In proposed trail.	Remove
114	Valley Oak	40	F	G-F	10	25	25	20	M	Dead 12" stem 7' from grade. Trunk on edge of bank. Dieback up to 1"-2" in diameter. Otherwise, dense foliage. DBH estimated. Tree not tagged. 12' from proposed trail.	No native soil compaction & limit excavation within 40' of trunk (preferably beneath trail as well). Tree may still decline.
115	Coast Live Oak	11	G	F	20 NE				Y	Dense foliage, good vigor. Phototropic growth to NE, has corrected. DBH estimated. Tree not tagged. 6' from proposed trail.	Install protection fencing, arborist on-site during excavation.

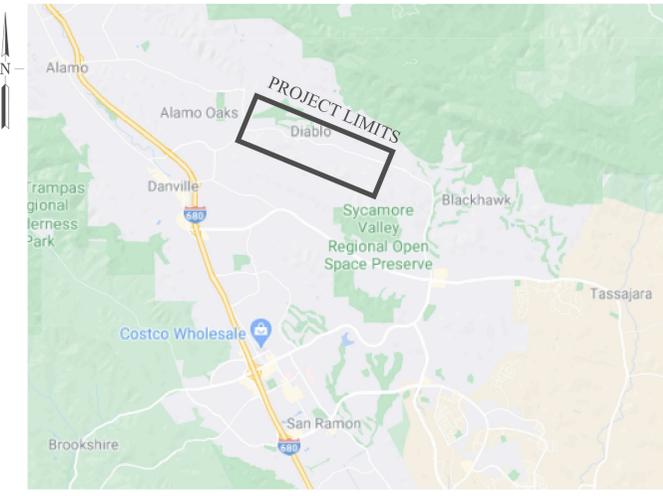
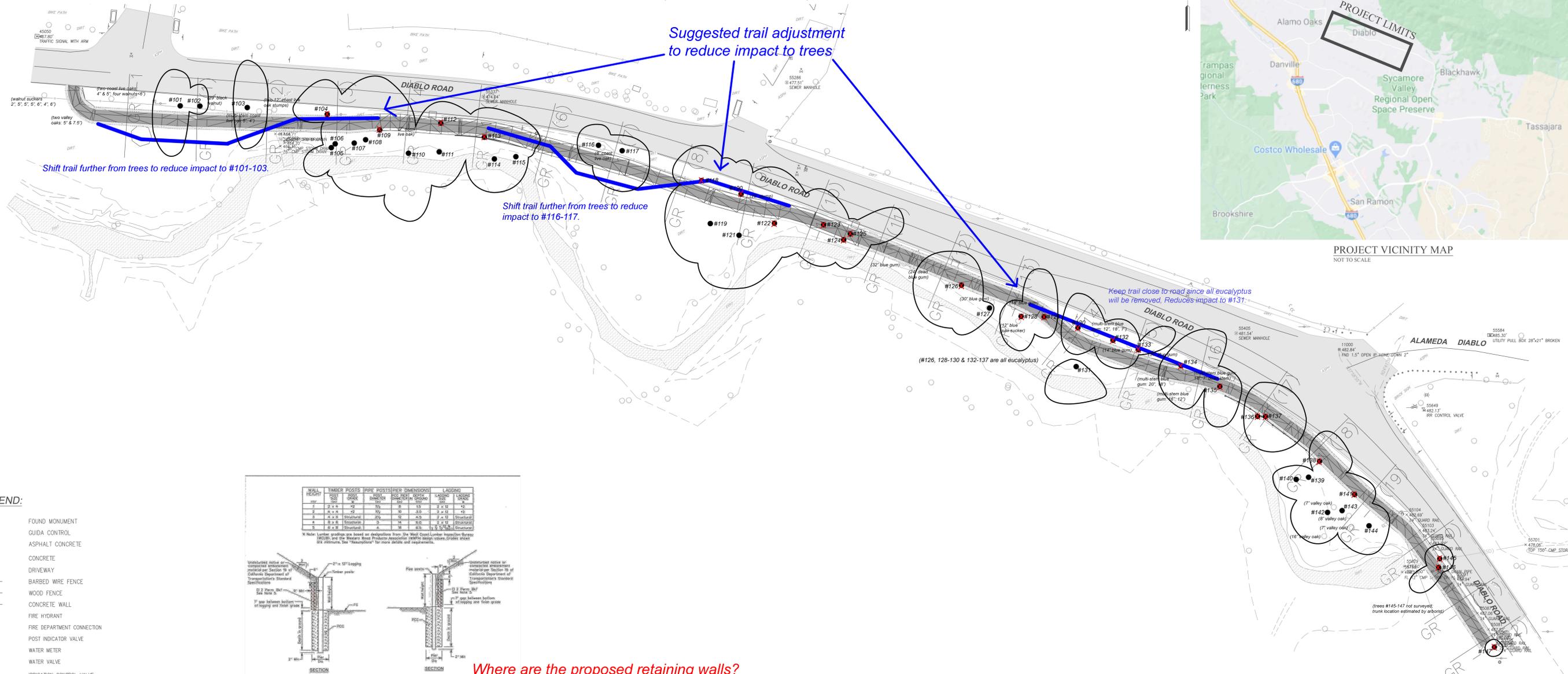
#	Species	DBH	Health	Structure	Dripline				Age	Comments	Preliminary Recommendations
					N	E	S	W			
116	Coast Live Oak	13	G/G-F	G-F/F	15	10	15	15	Y	Root crown slightly buried. Dense canopy. Nice central leader. Topped for high voltage wire clearance. 2' from proposed trail.	To reduce impact, shift trail further from trunk; no native soil compaction & limit excavation within 15' of trunk.
117	Valley Oak	19	F/F-P	F	10	20	30	25	M	Wire embedded in trunk. New wire wrapped around trunk. Abrupt decrease in trunk diameter above wires. Moderate twig dieback and epicormic growth on scaffold branches. Stunted shoot growth in prior years. Pruned back for high voltage clearance. 3' from proposed trail.	To reduce impact, shift trail further from trunk; no native soil compaction & limit excavation within 25' of trunk.
118	Valley Oak	24	F	G-F	25	20	0	20	M	Root crown slightly buried. Wire embedded on S side of trunk. Twig dieback up to 1" in diameter. Less than 1' from proposed trail.	Remove
119	Valley Oak	36	F	G-F	50	25	30	35	M	Moderate dieback up to 1"-2" in diameter. Stunted shoot growth. Epicormic growth on scaffold branches. Dense foliage on new shoots. 11' from proposed trail.	To reduce impact, shift trail as close to road as possible; no native soil compaction & limit excavation within 35' of trunk.
120	Coast Live Oak	18	G	G-F	25	10	20	25	M	Codominant stems at 7' with wide union. Very dense canopy. Good vigor. In proposed trail.	Remove
121	Coast Live Oak	36	G	G-F	15	35	40	30	M	Central leader with wide branch unions. Dense canopy. 14' from proposed trail.	To reduce impact, shift trail as close to road as possible; no native soil compaction & limit excavation within 30' of trunk.
122	Coast Live Oak	30	G/G-F	G-F	40	30	25	25	M	Edge of creek. Roots exposed. 6" branch failure on W side of trunk. Very minor tip dieback. 1' from proposed trail.	Remove
123	Valley Oak	42	G-F	F	25	20	30	30	M	Minor dieback. Dense buds just leafing out. Codominant stems at 15' with wide union. Wire embedded in trunk. In proposed trail.	Remove
124	Coast Live Oak	20	G	G-F	15	20	20	10	M	Nice central leader. Dense canopy. Crack at base on W side of stem. DBH estimated. Tree not tagged. In proposed trail.	Remove
125	Valley Oak	25	G-F	G-F/F	40 NE				M	Phototropic growth over street. Minor tip dieback. Epicormic growth on scaffold branches. Dense foliage. Wire embedded on S side of trunk. In proposed trail.	Remove
126	Blue Gum (Eucalyptus globulus)	66	F/F-P	F/F-P	25	15	30	35	M	Trunk on edge of creek bank. Sparse canopy with dieback up to 1" in diameter. Large & overextended watersprouts on scaffold branches. Broken branches up to 8" in diameter. DBH estimated. In proposed trail.	Remove
127	Coast Live Oak	14	G/G-F	F	30 SW				Y-M	Phototropic growth to SW. Trunk on edge of creek bank. Upright branching from primary scaffold limb. Broken branches up to 4" in diameter, possibly from failed eucalyptus limbs above. DBH estimated. Tree not tagged. 5' from proposed trail.	To reduce impact, no native soil compaction & limit excavation within 10' of trunk.
128	Blue Gum	40	F-P	F	10	10	25	15	M	Sparse canopy. Dieback up to 1" in diameter. Very upright growth. Few scaffolds. First major scaffold at 40'. DBH estimated. Tree not tagged. 1' from proposed trail.	Remove
129	Blue Gum	58	F-P	F	35	10	15	15	M	Elongated branches with past failures over street. Old wire beginning to girdle trunk. Sparse canopy. Watersprouts on	Remove

#	Species	DBH	Health	Structure	Dripline				Age	Comments	Preliminary Recommendations
					N	E	S	W			
										scaffold branches. Marginal trunk taper. DBH estimated. <i>In proposed trail.</i>	
130	Blue Gum	60	F	F/F-P	25	20	20	10	M	Broken branches up to 6". Sparse canopy and watersprouts on trunk and scaffolds. Marginal trunk taper. <i>In proposed trail.</i>	Remove.
131	Valley Oak	26	G-F	F	5	30 SE	20 SW		M	Trunk at edge of creek bank. Minor twig dieback. Phototropic growth to S. Broken branches up to 4" in diameter, possibly from failed eucalyptus limbs. Marginal trunk taper. DBH estimated. Tree not tagged. <i>10' from proposed trail.</i>	To reduce impact, shift trail as close to road as possible; no native soil compaction & limit excavation within 25' of trunk.
132	Blue Gum	57	F/F-P	F-P	15	20	20	10	M	Sparse canopy. Marginal trunk taper. Watersprouts on trunk and scaffold branches. Broken branches up to 12" in diameter. <i>1' from proposed trail.</i>	Remove
133	Blue Gum	37	F	P	0	30 NE	15	5	M	Sparse canopy, epicormic growth. Old 14" failure at 40' over street. Stem over-extended over street. Minor tip dieback. Marginal trunk taper. Codominant stems at 50'. <i>Less than 1' from proposed trail.</i>	Remove
134	Blue Gum	62	G-F	F	40 NE		30	15	M	Slightly sparse canopy. Fewer epicormic sprouts than other eucs, but still has moderate watersprouts on scaffold branches. Overextended limbs over street. Better health than other eucalyptus. <i>In proposed trail.</i>	Remove
135	Blue Gum	40	F	F/F-P	15	15	30	10	M	Sparse canopy. Epicormic growth along trunk & scaffold branches. Secondary stem with tight union at 15'. Minor dieback up to 1" in diameter. Marginal trunk taper. <i>In proposed trail.</i>	Remove
136	Blue Gum	40	F-P	VP	20	10	10	5	M	Large limb failures - 14" on S side of canopy, 8" on N side. Top appears to have broken off at 40'. Significant watersprout growth throughout canopy. Roots exposed on S side of trunk. Trunk at edge of creek bank. Marginal trunk taper. <i>In proposed trail.</i>	Remove
137	Blue Gum	62	F	F/F-P	25	30	25	15	M	Fruiting bodies on E side of trunk. Barbed wire embedded in center of trunk. Canopy denser than other eucs. Branch failures up to 12" in diameter. Trunk at edge of creek bank. Minor tip dieback. Marginal trunk taper. <i>In proposed trail.</i>	Remove
138	Coast Live Oak	24	F/F-P	P	20	25	10	0	M	Old stem failure on W side of trunk. Significant decay, hollow trunk. 10" dead branch on W side of canopy. Significant sycamore borer at base on SW side of trunk. Somewhat sparse canopy. Fair vigor. <i>In proposed trail.</i>	Remove
139	Coast Live Oak	10	G	G-F	0	10	5	20	Y	Dense canopy & good vigor. Phototropic growth to W. Roots exposed. DBH estimated. Tree not tagged. <i>11' from proposed trail.</i>	Install protection fencing.
140	Valley Oak	20	F	F	0	15	15	15	M	Phototropic bow to W; has corrected. Moderate twig dieback. Dead 5" branch on exterior S side of canopy. Moderate epicormic growth on stem & scaffold branches. 10" failure on E side of stem, 5' from grade. Good vigor. DBH estimated above first scaffold branch. Tree not tagged. <i>18' from proposed trail.</i>	Install protection fencing.
141	Valley Oak	15.5	G/G-F	G-F	15	15	10	25	Y-M	Root crown slightly buried. 6" branch failure on NE side of canopy. Minor tip dieback. <i>In proposed trail.</i>	Remove.

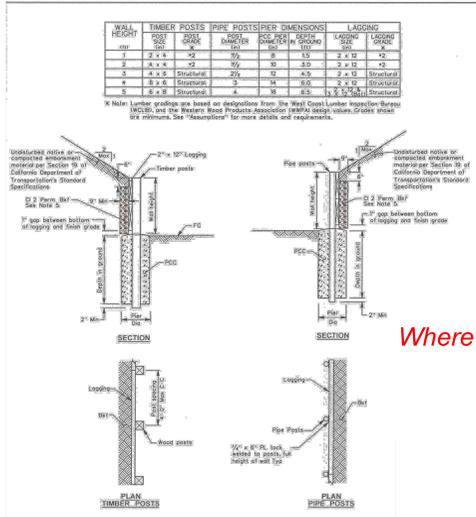
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					N	E	S	W			
142	Coast Live Oak	12	VG	F	5	10	20	25	Y	Very dense canopy, dark green color, good vigor. Codominant stems at 8'; union not visible. Phototropic growth to W; understory tree. DBH estimated. Tree not tagged. 20' from proposed trail.	Install protection fencing.
143	Valley Oak	14	G/G-F	F	0	0	10	25	Y-M	Poor trunk taper. Minor tip die back. 11' from proposed trail.	Install protection fencing.
144	Valley Oak	14	G/G-F	G-F/F	15	15	20	20	Y-M	Poor trunk taper. Codominant stems at 30'. Appears to be wide union. Minor tip dieback. 8' from proposed trail.	Install protection fencing.
145	Coast Live Oak	12	G	F-P	10 all				Y	Dense canopy. At edge of existing bridge. Topped for high voltage wire clearance. Not surveyed. Trunk location & DBH estimated. In proposed trail.	Remove
146	Coast Live Oak	12	G	P	25 SW				Y	Dense canopy. Root ball appears to have lifted out of soil, may have stabilized; 30 degree lean to S. No target. Not surveyed. Trunk location & DBH estimated. In proposed trail.	Remove
147	Valley Oak	14	F	P-VP	5 all				Y-M	Topped for high voltage wire clearance. Codominant stems. Failed leader. Canopy comprised of watersprouts. Engulfed by poison oak. Not surveyed. Trunk location & DBH estimated. Tree not tagged. 2' from proposed trail, likely in continuation of trail.	Remove

TOWN OF DANVILLE DIABLO ROAD TRAIL PROJECT

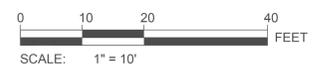
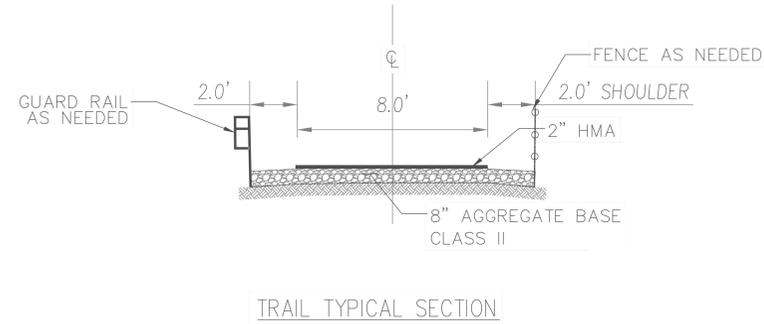
(PHASE #2)



- LEGEND:**
- FOUND MONUMENT
 - GUIDA CONTROL
 - ASPH ASPHALT CONCRETE
 - CONC CONCRETE
 - DWY DRIVEWAY
 - BARBED WIRE FENCE
 - WOOD FENCE
 - CONCRETE WALL
 - FIRE HYDRANT
 - FIRE DEPARTMENT CONNECTION
 - POST INDICATOR VALVE
 - WATER METER
 - WATER VALVE
 - IRRIGATION CONTROL VALVE
 - LIGHT
 - GUY ANCHOR
 - JUNCTION POLE
 - POWER POLE
 - TRAFFIC SIGNAL WITH ARM
 - GATE POST
 - GUARD POST
 - SIGN
 - TREE
 - SEWER MANHOLE
 - UTILITY PULL BOX
 - PROPOSED TRAIL PAVEMENT



PRELIMINARY RECOMMENDATIONS + Tree Inventory for Diablo Trail Project
 By: Maija Wigoda-Mikkila
 Certified Arborist # WE-12986A
 Traverso Tree Service, Inc.
 April 7, 2022
 (drawn on Preliminary Site Plan Phase 2 dated 12-10-21)



PRELIMINARY PLANS - NOT FOR CONSTRUCTION

TOWN OF DANVILLE
DIABLO ROAD TRAIL PROJECT

TITLE SHEET

REVISION: -
SHEET NO. SHEET 1 OF 5
DATE: DECEMBER 10, 2021