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Dry Creek Trail, Phase II
Arborist Report

Sacramento County
Office of Planning and Environmental Review

August 2, 2022

Prepared for:

Sacramento County Planning and Environmental Review

Contact Info:
Joshua D. Greetan, Associate Planner
Planning and Environmental Review
827 7th Street, Room 225
Sacramento, CA 95814
(916) 876-6425

Prepared by:

AECOM
2020 L Street, Suite 300
Sacramento, CA 95811

Contact Info:
Susan Sanders, AECOM Project Manager
susan.sanders@aecom.com
(916) 414-5800

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Acronyms and Abbreviations

DBH	diameter at breast height
ISA	International Society of Arboriculture
SCC	Sacramento County Code
TPZ	tree protection zone

Introduction

From March 1, 2021 to March 5, 2021, and again on March 30, 2022 and April 1, 2022 AECOM completed an inventory of trees within and adjacent to the approximately 3.2-mile-long alignment of the proposed Phase II Dry Creek Parkway Trail in northern Sacramento County (Exhibit 1). This document summarizes the methodology, findings, and recommendations that constitute the arborist report.

Project Background and Description

In August 2011, Sacramento County Regional Parks completed Phase I of the Dry Creek Parkway Trail project, which constructed three miles of bicycle, pedestrian, and equestrian trails within the Dry Creek Parkway in northern Sacramento County.

The proposed Phase II of the Dry Creek Parkway Trail will include the construction of a northern and southern segment. Phase II elements include a proposed multi-use trail would consisting of a 12-foot-wide surface paved with asphalt concrete for bicyclists and pedestrians, and a 3-foot-wide decomposed granite shoulder on each side. The multi-use trail base would consist of new aggregate and/or recycled asphalt concrete and Portland cement concrete. The parallel equestrian trail along 28th Street would consist of a 6-foot-wide dirt path. Four bridges are proposed as part of the project: two in the northern alignment, and two in the southern alignment.

Tree survey maps and the site vicinity map (Exhibit 1, 2a, 2b) are attached within Appendix A below.

Regulatory Setting

Chapter 19.12 of the Sacramento County Code, Tree Preservation and Protection (Tree Protection Ordinance) defines a protected tree as any living native oak tree having at least one trunk of six inches or more in diameter measured four and one-half feet above the ground (diameter at breast height [DBH]), or a multi-trunked native oak tree having an aggregate diameter of ten inches or more, measured four and one-half feet above the ground. The Tree Protection Ordinance states that no person shall trench, grade or fill within the dripline of any protected tree or destroy, kill or remove any protected tree in the designated urban area of the unincorporated area of Sacramento County, on any property, public or private, without a tree permit, or unless authorized as a condition of a discretionary project approval by the Board of Supervisors, County Planning Commission, Zoning Board of Appeals, the Zoning Administrator or the Subdivision Review Committee (Sacramento County 2020). Furthermore, the approving body has the authority to adopt mitigation measures as conditions of approval for discretionary projects to protect other species of trees, in addition to native oaks.

Sacramento County Zoning Code, Chapter 5: Development Standards, Section 5.2.4.H Removal and Replacement of Landscaping, requires replacements for trees removed with or without a Tree Removal Permit (Sacramento County 2015). Trees removed with a Tree Removal Permit shall be replaced by 24-inch box specimen trees or a 15-gallon size tree with an additional replacement fee. Trees removed without a Tree Removal Permit or severely and improperly trimmed with or without a Tree Pruning Permit must be replaced and a replacement fee may be required. If the project site is not capable of supporting all the required replacement trees, the County may require payment of a sum equivalent to the retail cost of the number of trees that cannot be accommodated. These funds would be deposited in the Tree Preservation Fund maintained by the County of Sacramento Administration and Finance Agency as set forth in Sacramento County Code (SCC) Section 19.12.240(SCC 14000 § 24, 2008; SCC 480 § 1, 1981). Mitigation for tree canopy impacts will be fully assessed through the environmental review process and implemented through the conditions of approval for the Project.

Methods

An AECOM ISA Certified Arborists and biologists, Jasmine Wurlitzer (Certificate No. WE -10104A), Keith Wright (#WE -10700A), William Splittstoesser, David Greenspan, and Charlie Battaglia inventoried and evaluated all native oak trees with trunk diameters of 6 inches or greater within the proposed project

footprint utilizing a 50-foot survey buffer (i.e., the survey area) around the project alignment and a 100-foot buffer around proposed water crossings (Exhibit 2). Attribute data was collected for each tree, including species, trunk diameter, canopy diameter, condition related to health and structure, and location.

Diameter measurements were collected using standard protocol at 4.5 feet above grade (DBH). In cases where a tree's trunk split into multiple stems at approximately 4.5 feet above ground, the measurement was made by taking the diameter of each individual stem and calculating the aggregate total. The condition of each tree was evaluated by assessing the overall health and structure of the tree, based on the following criteria:

- Good – Trees appear structurally sound, are generally free of wound scars, and are free of any signs of disease or nutrient deficiency;
- Fair – Trees have minor structural defects and/or wound scars and may exhibit minor signs of stress (e.g., some canopy dieback and/or leaf discoloration); and
- Poor –Trees have major structural defects, numerous wounding scars, and show major signs of stress (e.g., insect infestation, mistletoe infestation, severe canopy dieback, leaf chlorosis).

Each tree's suitability for preservation was also evaluated based on its species, approximate age, health, structural integrity, and ability to safely coexist with project elements. Trees that are large, well-established, and rooted outside of the project's proposed alignment are assumed to be the best candidates for preservation.

Scope of Work Limitations

This report presents tree information as observed in the field from March 1 through March 5, 2021, March 30, 2022, and April 1, 2022. The surveys were conducted during the early spring both in 2021 and 2022, at a time when deciduous trees are often not yet leafed out and are thus not always readily identifiable. Trees were not tagged. Data regarding tree height were not collected. Root crown excavations or investigations, internal probing, or aerial canopy inspections were not performed; therefore, the presence or absence of internal decay or other hidden or inaccessible inferiorities in individual trees could not be confirmed.

Results

Most of the trees in the tree survey area are associated with oak riparian woodland habitats bordering Goat/Sierra Creek and Dry Creek in the southern and northern portions of the survey area, respectively. This riparian habitat is dominated by large, native oak trees intermixed with numerous seedling and sapling oaks in the understory, as well as a few other native riparian tree species and naturalized nonnative invasive trees. Native oak trees in the survey area include blue oak (*Quercus douglasii*), interior live oak (*Quercus wislizeni*), valley oak (*Quercus lobata*), and a few planted coast live oak (*Quercus agrifolia*). Where the survey area overlaps with the edges of parks and golf courses, rows of planted landscape trees are common.

Tree Inventory

A total of 465 protected native trees were inventoried and mapped in the tree survey area (Tables 1, 2 and Exhibit 3. Maps 1 – 5). Table 2 (tree table) includes species identification, trunk and canopy measurements, overall health condition, structural integrity, and potential for preservation of each protected tree inventoried and mapped within the tree survey area. Approximately 250 native oak saplings with trunk diameters that are between 4 and 6 inches are present in the survey area, and although these are not protected by the tree ordinance, some of these trees may grow large enough to reach protected status within a year or two. These undersized individuals are not included in the survey. Table 2 (tree table) is provided below within Appendix A.

Table 1. Summary of Protected Trees within the Tree Survey Area

Species Name	Common Name	Protected Trees Within the Survey Area
Coast live oak	*Quercus agrifolia*	3
Blue oak	*Quercus douglasii*	2
Valley oak	*Quercus lobata*	361
Interior live oak	*Quercus wislizeni*	99
Grand total		**465**

Source: AECOM 2022

Numerous other trees are present in the survey area, including hundreds of native oak saplings with DBH measurements of 1 to 4 inches, as well as hundreds more non-oak trees of various sizes. Non-oak species observed in the survey area include native riparian trees along creek drainages, such as Oregon ash (*Fraxinus latifolia*) and box elder (*Acer negundo*). Several species of naturalized introduced nonnative trees are also present in the riparian areas, including privet (*Ligustrum* sp.), Callery pear (*Pyrus calleryana*), and black locust (*Robinia pseudoacacia*). Almond trees (*Prunus dulcis*) are also common in riparian areas as well as scattered throughout grassland and developed landscapes. Numerous planted ornamental trees occur along the edges of golf courses and park lands. Common ornamental species in these areas include liquidambar (*Liquidambar styraciflua*), gum (*Eucalyptus* sp.), red oak (*Quercus rubra*), Modesto ash (*Fraxinus velutina* 'Modesto'), and London plane (*Plantanus* × *acerifolia*). Some native trees which are not protected by the county tree preservation ordinance were included in the survey, specifically within 100 ft buffers around bridge crossings. Species included are Fremont cottonwood (*Populus fremontii),* Oregon ash, and California sycamore (*Platanus racemosa*). Additional landscape trees exist outside of the survey area in the Cherry Island Soccer Complex, Cherry Island golf course, Antelope Greens golf course, Gibson Ranch Regional Park, along sidewalks, streets, pathways, and in the yards of nearby residences.

Trees in the oak riparian habitats along Goat/Sierra Creek and Dry Creek are generally free of wound scars and signs of disease, with only minor structural defects (e.g., broken branches due to wind injury) and minor signs of stress. Trees associated with developed areas, such as parks and golf courses, often have trunk wound scars and other signs of mechanical injury that could lead to infestation of disease organisms and eventual early mortality. Trees in landscaped areas are also subject to supplemental irrigation and herbicide drift that can lead to root rot and canopy injury, respectively. Common signs of stress in trees mapped in the study area include canopy dieback and epicormic sprouting. Several oak trees mapped in riparian woodland habitat along the outer edges of creek drainages are suppressed, with crowns below the general level of the riparian canopy that receive no direct light. Stressed and suppressed trees are considered potentially unsuitable for preservation, while healthy and established oak trees rooted outside of the survey area but with canopies that overlap the survey area are considered most suitable for preservation. Dead trees are not suitable for preservation. All other trees are considered potentially suitable for preservation but may need to be removed to accommodate project construction.

Representative photos of trees and crossings in and adjacent to the survey area are provided below in Appendix B.

Impacts to Trees

At this point in the planning process, it is too early to determine project related impacts to trees. Impacts to trees should be reassessed concurrent with the preparation of engineered drawings for the project.

The types of impacts related to the project could include permanent impacts, temporary impacts, and no impact. Permanent impacts include tree removal and would require mitigation as required by County code. Temporary impacts include pruning of less than 1/3 of a tree's root and branch system. No impacts include avoidance of protected trees.

The types of potential impacts on individual protected trees (e.g., direct removal, trimming, indirect soil compaction) in the survey area are not evaluated in this report but should be considered when developing a final project design. All trees ultimately preserved on site should be protected from any potential construction-related impacts. The project also would include tree protection measures as specified by a certified arborist. Sample tree protection measures are proved in the recommendations section below.

Summary and Conclusion

Of the 465 protected native oak trees mapped within the survey area, 15 trees may not be suitable for preservation due to evident stress, poor crown development, canopy suppression, or the presence of hazards (e.g., broken canopy branches, dangerous lean), or because they are growing adjacent to fence lines that could interfere with the tree's long term structural integrity. The other 450 protected native oak trees mapped within the survey area are relatively healthy and structurally sound and would be suitable for preservation if avoided by project construction. However, the proposed bicycle, pedestrian and equestrian trails will require the removal of some trees and trimming of others to accommodate installation. Furthermore, installation of the trail will require grading and earthwork that would impact the roots of trees that are adjacent to the construction area, either directly through root pruning or indirectly through compaction and covering of soils containing roots.

The types of potential impacts on individual protected trees (e.g., direct removal, trimming, indirect soil compaction) in the survey area are not evaluated in this report but should be considered when developing a final project design. All trees ultimately preserved on site should be protected from any potential construction-related impacts. Placement of orange construction fencing along the driplines of avoided trees prior to equipment mobilization and tree trimming or removal activities is recommended to ensure that the natural ground within the driplines of preserved trees remains as undisturbed as possible.

Recommendations

Tree Protection Measures

Tree Protection During Construction. Trees to be retained should be enclosed in a tree protection zone (TPZ) to prevent direct damage to the trees and their growing environment during the construction process. A TPZ fence should be established around the trees at a distance no less than 5 feet outside the dripline. In no case should the TPZ fence be less than 10 feet from the trunk of the tree. The fencing should be installed before site preparation, construction activities, or tree trimming begins and should consist of blaze orange barrier fencing supported by metal "T-rail" fence posts.

Tree Maintenance Prior to and During Construction, Canopy. It may be necessary to trim the canopy of a tree to reduce the hazard of accidental limb failure or to allow the movement of construction machinery. Although no specific branch or branches are recommended for removal, planned tree work should consider removing dead, crossed, and/or malformed limbs. All branches to be removed should be pruned back to an appropriately sized lateral or to the trunk by following proper pruning guidelines. It is recommended that a professional tree company with certified arborists be retained to do this work. If accidental damage of tree trunks and limbs should occur during constriction, a professional arborist should be consulted to properly address these issues. Tree trimming should not be allowed to be performed by construction personnel.

Tree Maintenance Prior to and During Construction, Root Zones. Tree roots often extend far beyond the canopy dripline. To reduce the root shock trees are likely to experience during construction, a watering schedule should be initiated a minimum of 30 days prior to the start of construction. During construction supplemental irrigation should be applied as needed based upon seasonal temperatures and soil moisture. An arborist can help determine the watering schedules.

If encroachment into the TPZ cannot be avoided, the design should consider special construction to allow the roots to breathe and obtain water. In situations where construction leads to excavation work within the dripline of trees, this work should be done with light equipment or by hand whenever possible to avoid tearing large diameter roots. All roots encountered during excavation should be cut with a sharp blade,

taking care not to rip the roots. Excavation adjacent to any retained tree should not be permitted where damage to the large structural or fibrous matting root system will result. Root removal that jeopardizes the structural integrity or the health of the tree should be avoided. The existing ground surface within the TPZ should not be cut, filled, compacted, or paved. Root collars should not be buried when exposed roots are backfilled with native soil to a natural grade. Any root pruning required for construction purposes should receive the prior approval of and be supervised by a certified arborist or a consulting arborist retained for the supervision of tree work on site.

Methods or treatments used to minimize damage to nearby roots may include root pruning prior to grading, use of retaining walls with discontinuous footings avoiding large structural roots, use of paving sections that require a minimum amount of excavation, and the use of air and water pervious pavement. If pervious pavement cannot be used, then a root aeration system should be considered. There are many different methods and designs for venting impervious pavement for root aeration, and a professional arborist can assist the developer in finding the best solution.

Activities Prohibited Within Canopy Driplines. Heavy machinery should not be allowed to operate or park within the TPZ, nor should any excess soil, chemicals, debris, equipment, or other materials be dumped or stored within the TPZ or upslope of the protected trees. If it is necessary for heavy machinery to operate within the dripline of the preserved protected trees, then a layer of mulch or pea gravel at least 4 inches in depth should be placed on the ground beneath the dripline. A 3/4 inch sheet of plywood should be placed on top of the mulch. The plywood and mulch will reduce compaction of the soil within the dripline. Debris or materials shall not be placed within TPZs or against tree trunks.

References

Sacramento County. 2015. Sacramento County Zoning Code, Chapter 5: Development Standards. Effective September 25, 2015.

_____. 2020. Sacramento County Code Chapter 19.12 Tree Preservation and Protection. Published by Quality Code Publishing, Seattle, Washington. Available at: https://qcode.us/sacramentocounty.

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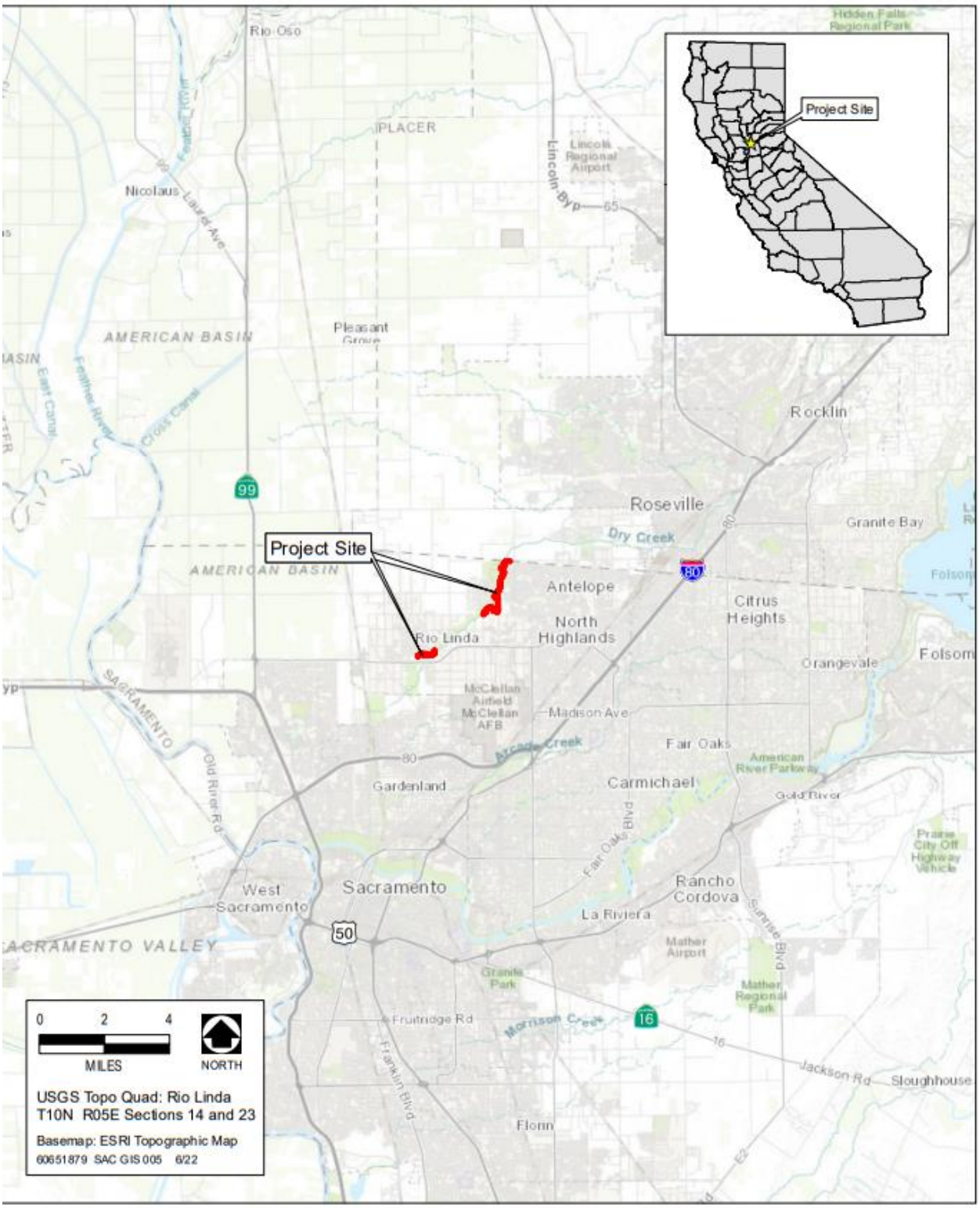
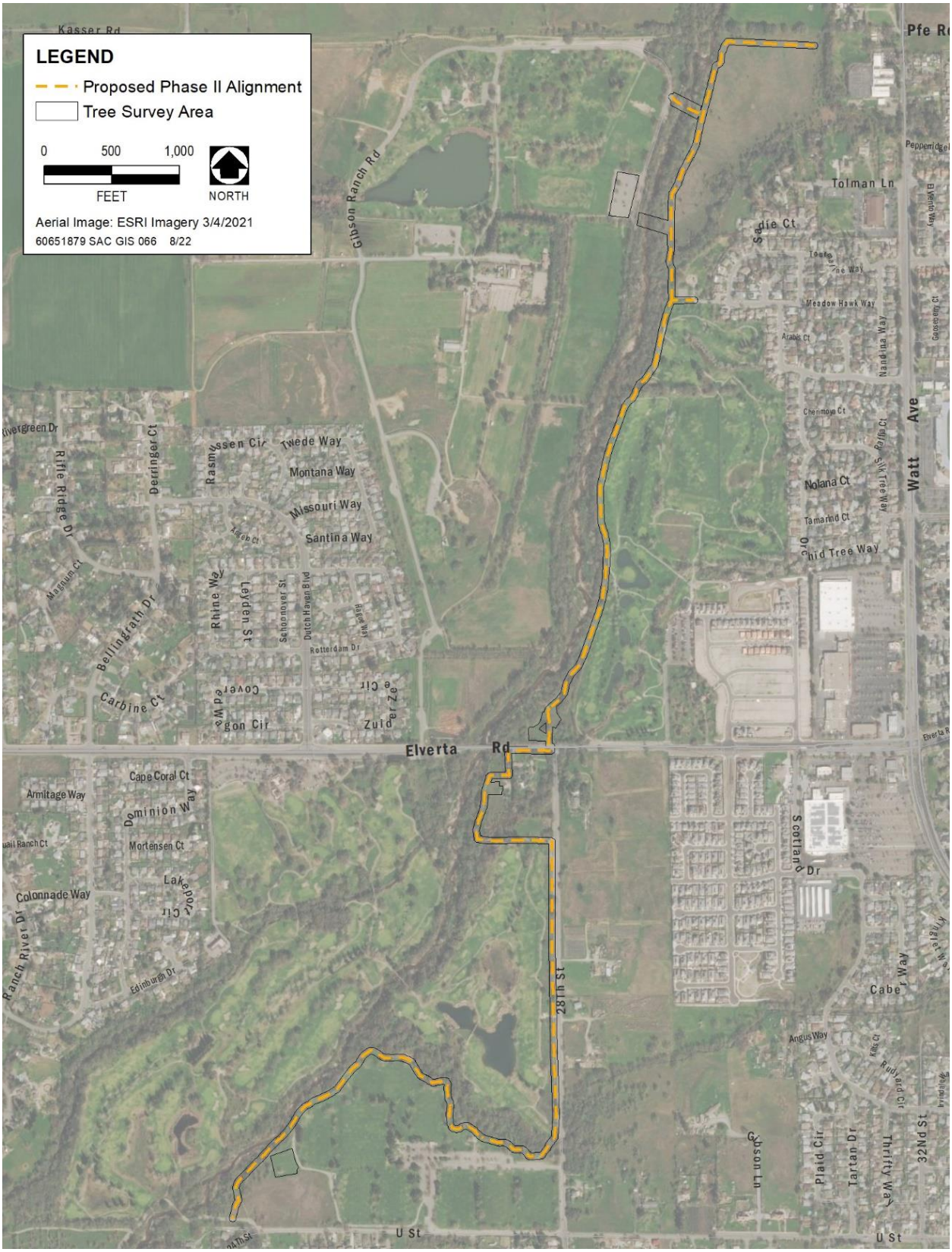
Appendix A Exhibits and Table



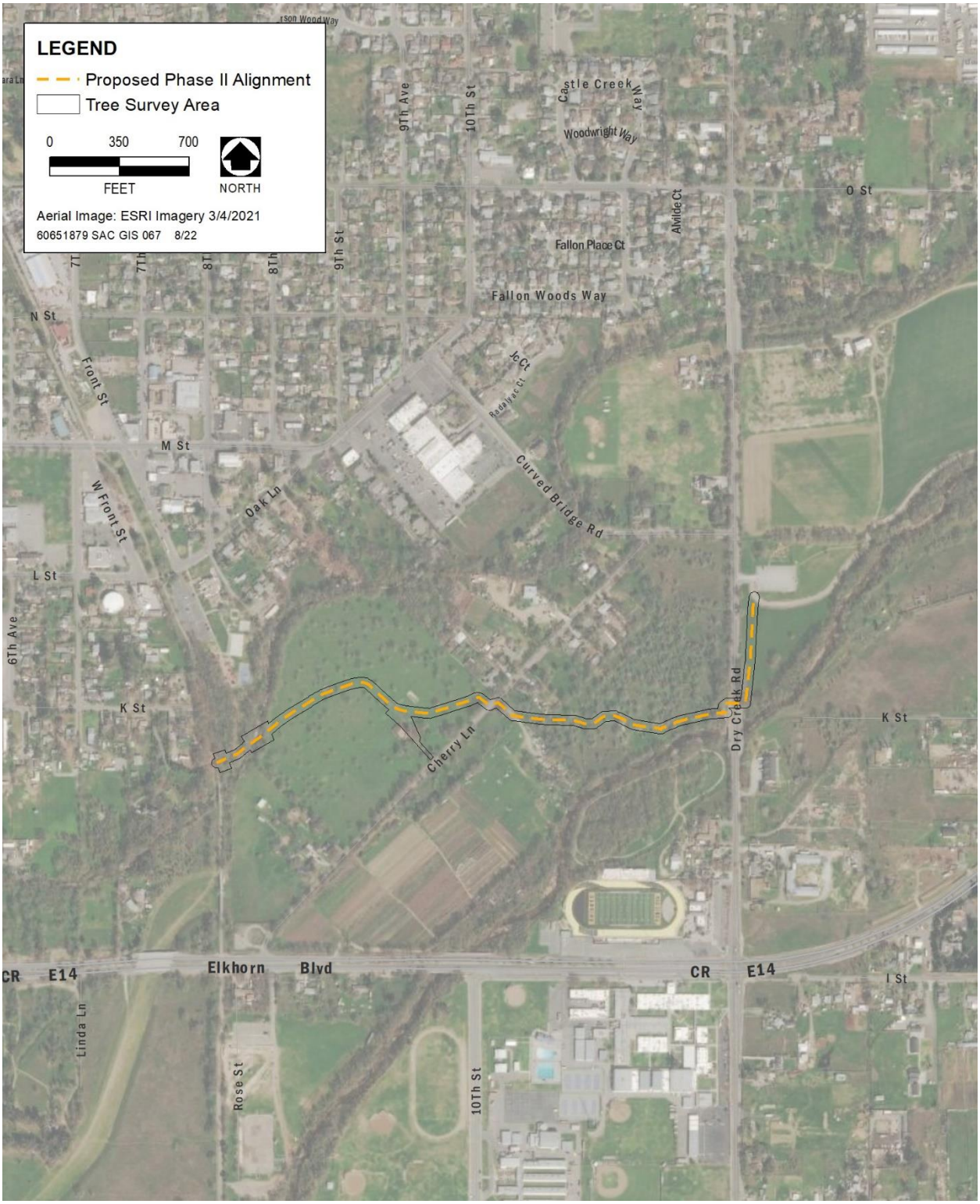
Source: AECOM 2021

Exhibit 1. Vicinity Map



Source: AECOM 2022

Exhibit 2a. Tree Survey Area Map – North

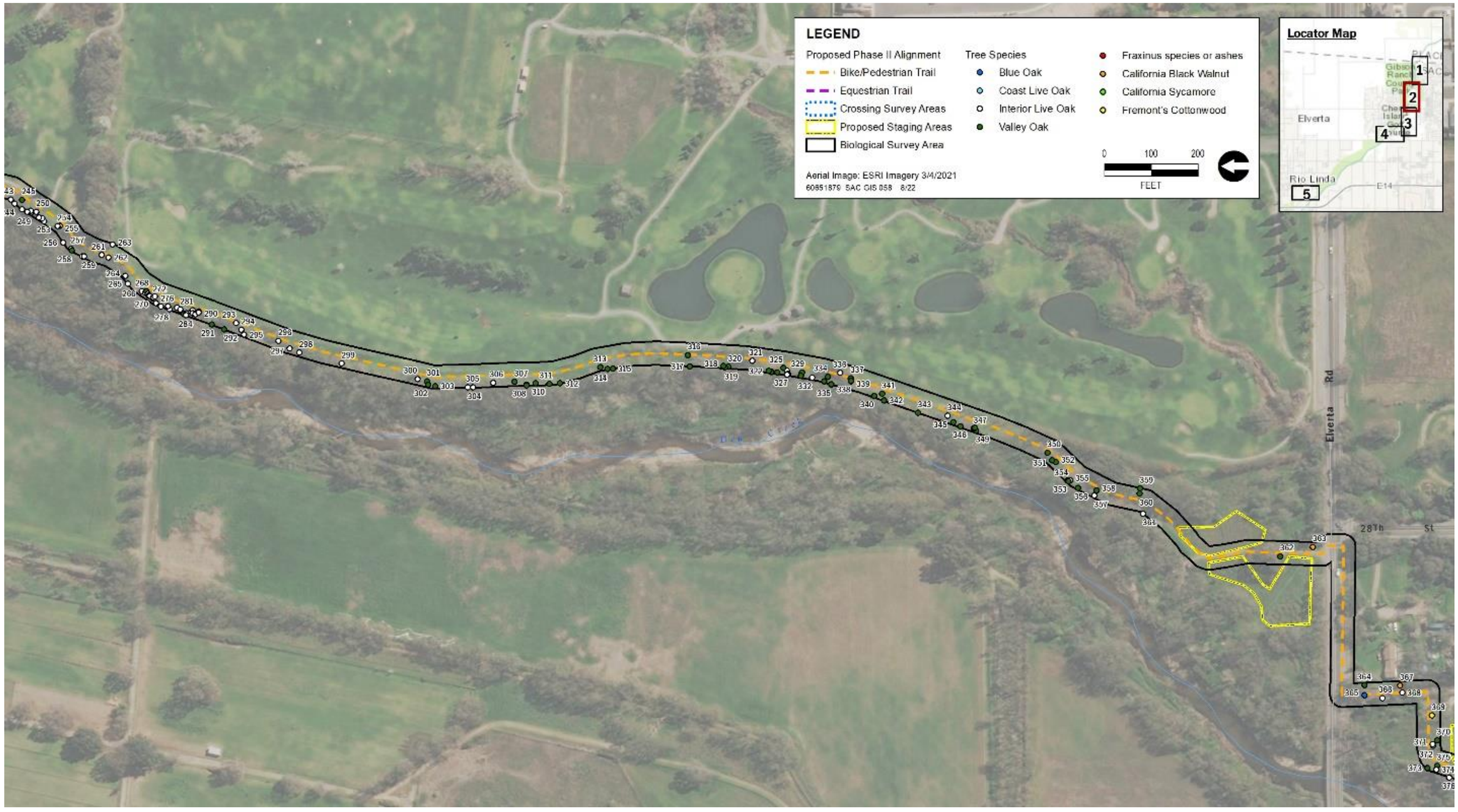


Source: AECOM 2022

Exhibit 2b. Tree Survey Area Map – South

Source: AECOM 2022

Exhibit 3. Map 1 of 5

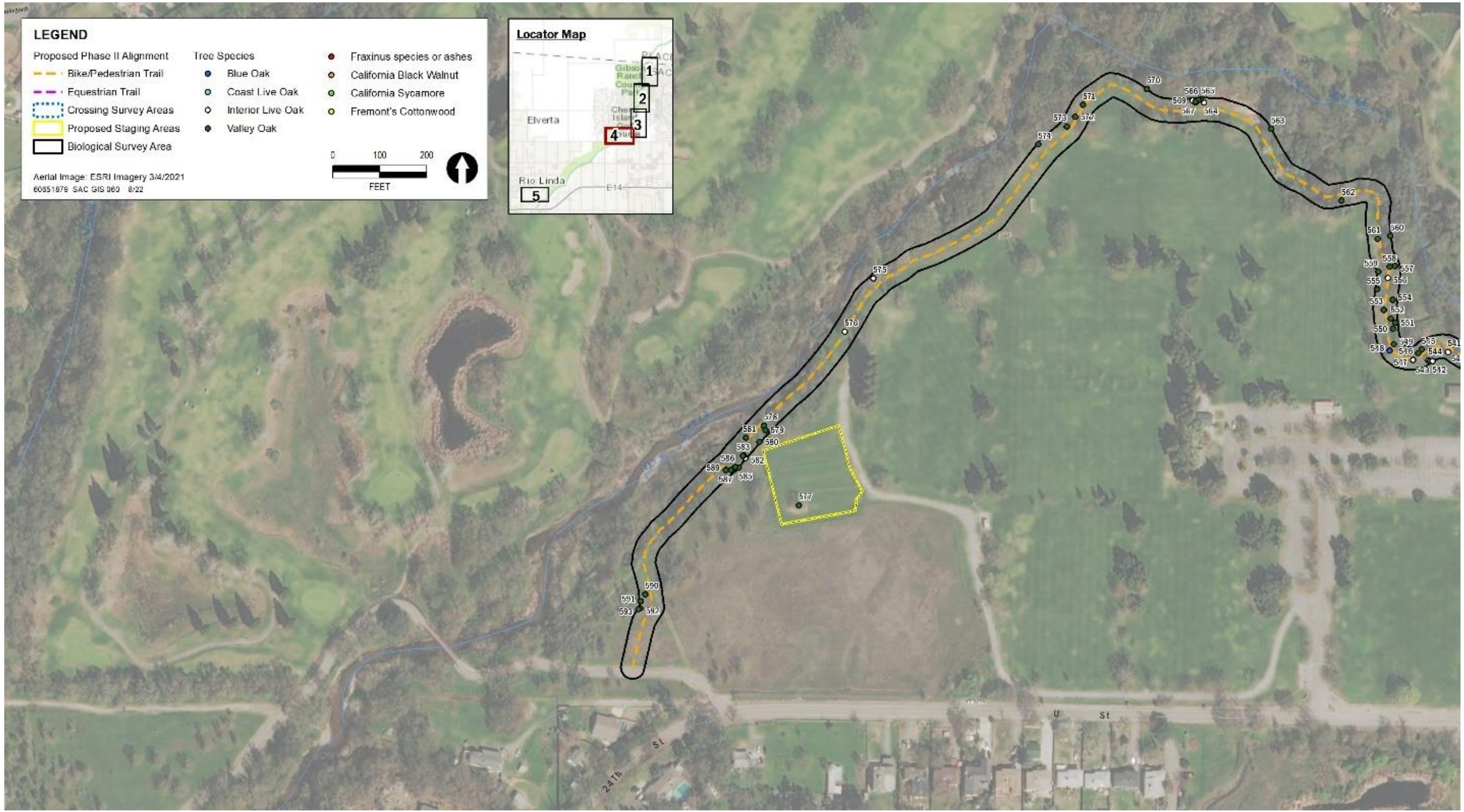


Source: AECOM 2022

Exhibit 3. Map 2 of 5

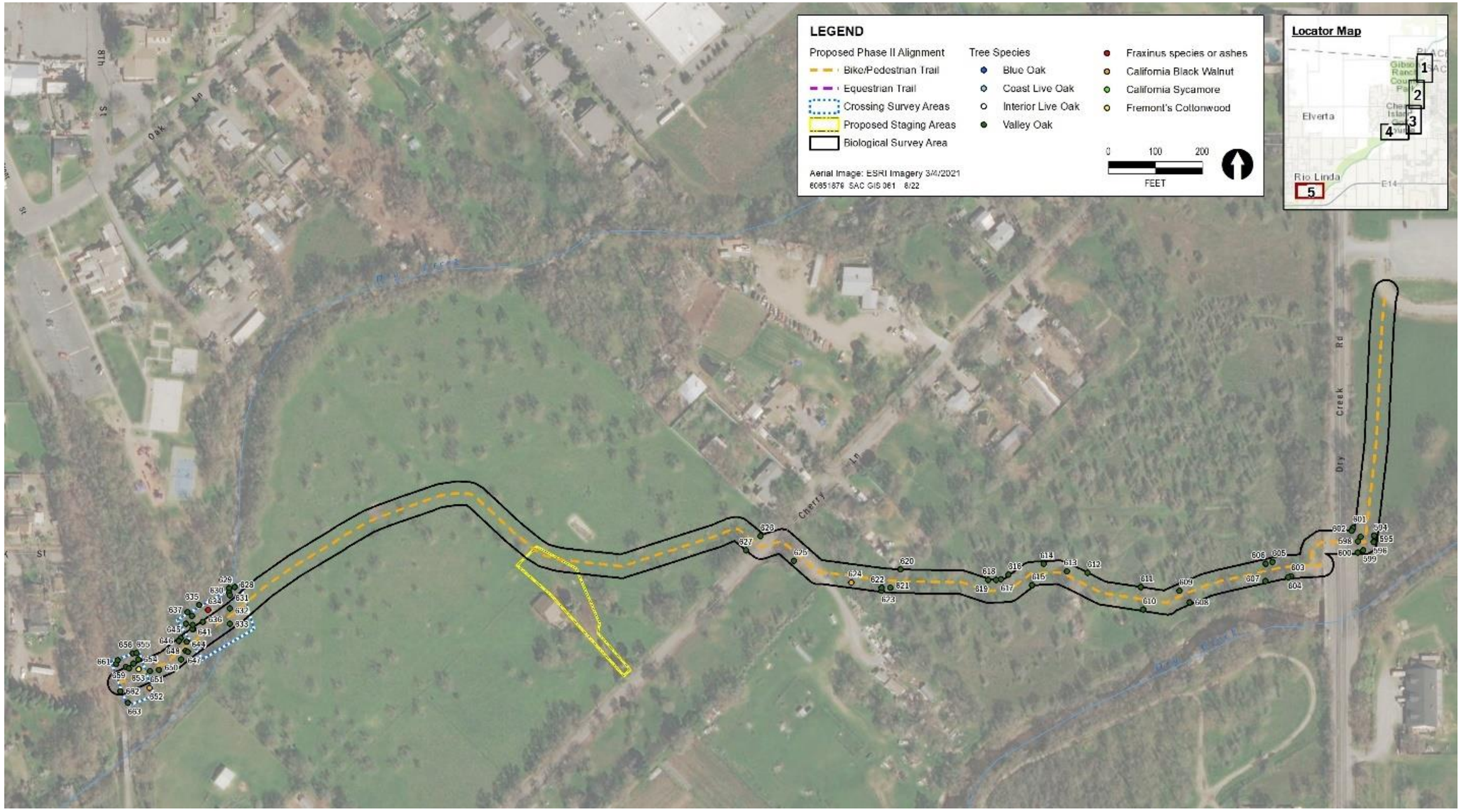
Source: AECOM 2022

Exhibit 3. Map 3 of 5



Source: AECOM 2022

Exhibit 3. Map 4 of 5



Source: AECOM 2022

Exhibit 3. Map 5 of 5

Table 2. Tree Survey Results

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
1	Valley Oak	24	40	Good	Good	2 stems	Potentially Suitable for Preservation
2	Valley Oak	10	30	Good	Good	2 stems	Potentially Suitable for Preservation
3	Valley Oak	24	40	Good	Good	Single Stem	Potentially Suitable for Preservation
4	Valley Oak	8	8	Good	Good	Single Stem	Potentially Suitable for Preservation
5	Interior Live Oak	12	18	Good	Good	Single Stem	Potentially Suitable for Preservation
6	Interior Live Oak	9	17	Good	Good	Single Stem	Potentially Suitable for Preservation
7	Valley Oak	29	45	Good	Good	Single Stem Canopy overlaps buffer	Potentially Suitable for Preservation
8	Interior Live Oak	12	20	Good	Good	Single Stem	Potentially Suitable for Preservation
9	Interior Live Oak	9	18	Good	Good	Single Stem	Potentially Suitable for Preservation
10	Interior Live Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
11	Valley Oak	35	65	Good	Good	Single Stem	Potentially Suitable for Preservation
12	Valley Oak	8	16	Good	Good	Single Stem	Potentially Suitable for Preservation
13	Interior Live Oak	53	65	Good	Good	Single Stem	Potentially Suitable for Preservation
14	Valley Oak	7	19	Good	Good	Single Stem	Potentially Suitable for Preservation
15	Valley Oak	6	15	Fair	Good	Single Stem	Potentially Suitable for Preservation
16	Valley Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
17	Valley Oak	16	28	Good	Good	Single Stem	Potentially Suitable for Preservation
18	Valley Oak	36	45	Good	Good	Single Stem	Potentially Suitable for Preservation
19	Valley Oak	11	26	Good	Good	Single Stem	Potentially Suitable for Preservation
20	Valley Oak	18	20	Good	Good	Single Stem	Potentially Suitable for Preservation
21	Interior Live Oak	21	30	Good	Good	Single Stem	Potentially Suitable for Preservation
22	Valley Oak	30	25	Good	Poor Crown Development	Single Stem	Potentially Not Suitable for Preservation
23	Interior Live Oak	13	30	Good	Good	Single Stem	Potentially Suitable for Preservation
24	Valley Oak	12	35	Good	Good	2 stems	Potentially Suitable for Preservation
25	Interior Live Oak	6	25	Good	Good	Single Stem	Potentially Suitable for Preservation
26	Valley Oak	32	65	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
27	Valley Oak	15	25	Good	Good	Single Stem	Potentially Suitable for Preservation
28	Interior Live Oak	20	15	Good	Good	Single Stem	Potentially Suitable for Preservation
29	Valley Oak	13	20	Good	Good	2 stems	Potentially Suitable for Preservation
30	Valley Oak	42	62	Good	Good	Single Stem, Canopy overlaps buffer	Potentially Suitable for Preservation
31	Interior Live Oak	14	22	Good	Good	Single Stem	Potentially Suitable for Preservation
32	Valley Oak	11	20	Good	Good	Single Stem	Potentially Suitable for Preservation
33	Valley Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
34	Valley Oak	12	20	Good	Good	Single Stem	Potentially Suitable for Preservation
35	Valley Oak	16	25	Good	Good	Single Stem	Potentially Suitable for Preservation
36	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
37	Valley Oak	8	18	Good	Good	Single Stem	Potentially Suitable for Preservation
38	Valley Oak	6	11	Good	Good	Single Stem	Potentially Suitable for Preservation
39	Valley Oak	6.5	12	Good	Good	Single Stem	Potentially Suitable for Preservation
40	Valley Oak	11	18	Good	Good	Single Stem	Potentially Suitable for Preservation
41	Valley Oak	6	8	Good	Good	Single Stem	Potentially Suitable for Preservation
42	Valley Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation
43	Valley Oak	6	12	Good	Good	Single Stem	Potentially Suitable for Preservation
44	Valley Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
45	Valley Oak	6	8	Good	Good	Single Stem	Potentially Suitable for Preservation
46	Valley Oak	7	7	Good	Good	Single Stem	Potentially Suitable for Preservation
47	Valley Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation
48	Valley Oak	6	11	Good	Good	Single Stem	Potentially Suitable for Preservation
49	Valley Oak	13	18	Good	Good	Single Stem	Potentially Suitable for Preservation
50	Valley Oak	8	10	Good	Good	Single Stem	Potentially Suitable for Preservation
51	Valley Oak	8	25	Good	Good	Single Stem	Potentially Suitable for Preservation
52	Valley Oak	7	25	Good	Good	Single Stem	Potentially Suitable for Preservation
53	Valley Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
54	Valley Oak	6	9	Good	Good	Single Stem	Potentially Suitable for Preservation
55	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
56	Valley Oak	6	11	Good	Good	Single Stem	Potentially Suitable for Preservation
57	Valley Oak	10	25	Fair	Good	Single Stem	Potentially Suitable for Preservation
58	Valley Oak	11	10	Good	Good	Single Stem	Potentially Suitable for Preservation
59	Valley Oak	8	5	Good	Good	Single Stem	Potentially Suitable for Preservation
60	Valley Oak	6	5	Good	Good	Single Stem	Potentially Suitable for Preservation
61	Valley Oak	8	5	Good	Good	Single Stem	Potentially Suitable for Preservation
62	Valley Oak	24	30	Good	Good	Single Stem	Potentially Suitable for Preservation
63	Valley Oak	6	5	Fair	Good	Single Stem	Potentially Suitable for Preservation
64	Valley Oak	6	5	Good	Good	Single Stem	Potentially Suitable for Preservation
65	Valley Oak	7	5	Good	Good	Single Stem	Potentially Suitable for Preservation
66	Valley Oak	12	10	Good	Good	Single Stem	Potentially Suitable for Preservation
67	Valley Oak	11	10	Good	Good	Single Stem	Potentially Suitable for Preservation
68	Valley Oak	14	25	Good	Good	Single Stem	Potentially Suitable for Preservation
69	Valley Oak	8	10	Fair	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
70	Valley Oak	9	10	Good	Good	Single Stem	Potentially Suitable for Preservation
71	Valley Oak	6	5	Good	Good	Single Stem	Potentially Suitable for Preservation
72	Valley Oak	19	30	Good	Good	Single Stem	Potentially Suitable for Preservation
73	Valley Oak	16	30	Good	Good	Single Stem	Potentially Suitable for Preservation
74	Valley Oak	10	10	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
75	Valley Oak	16	10	Good	Good	Single Stem	Potentially Suitable for Preservation
76	Valley Oak	10	10	Good	Good	Single Stem	Potentially Suitable for Preservation
77	Valley Oak	11	15	Good	Good	Single Stem	Potentially Suitable for Preservation
78	Valley Oak	8	10	Good	Good	Single Stem	Potentially Suitable for Preservation
79	Valley Oak	9	10	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
80	Valley Oak	11	15	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
81	Valley Oak	10	5	Fair	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
82	Valley Oak	18	20	Good	Good	Single Stem	Potentially Suitable for Preservation
83	Valley Oak	10	15	Good	Good	Single Stem	Potentially Suitable for Preservation
84	Valley Oak	9	10	Good	Good	Single Stem	Potentially Suitable for Preservation
85	Valley Oak	11	5	Fair	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
86	Valley Oak	11	10	Fair	Good	Single Stem	Potentially Suitable for Preservation
87	Valley Oak	11	15	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
88	Valley Oak	21	30	Good	Good	Single Stem	Potentially Suitable for Preservation
89	Interior Live Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
90	Interior Live Oak	6	14	Good	Good	Single Stem	Potentially Suitable for Preservation
91	Valley Oak	13	15	Good	Good	Single Stem	Potentially Suitable for Preservation
92	Valley Oak	6	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
93	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
94	Valley Oak	9	25	Good	Good	Single Stem	Potentially Suitable for Preservation
95	Valley Oak	15	25	Good	Good	Single Stem	Potentially Suitable for Preservation
96	Valley Oak	8	5	Good	Good	Single Stem	Potentially Suitable for Preservation
97	Valley Oak	6	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
98	Valley Oak	7	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
99	Valley Oak	8	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
100	Valley Oak	8	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
101	Valley Oak	6	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
102	Valley Oak	6	5	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
103	Valley Oak	9	10	Good	Good	Single Stem	Potentially Suitable for Preservation
104	Valley Oak	17	35	Good	Good	Single Stem	Potentially Suitable for Preservation
105	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
106	Valley Oak	6	8	Good	Good	Single Stem	Potentially Suitable for Preservation
107	Valley Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
108	Interior Live Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
109	Valley Oak	7	11	Good	Good	Single Stem	Potentially Suitable for Preservation
110	Interior Live Oak	32	70	Good	Good	Single Stem	Potentially Suitable for Preservation
111	Valley Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation
112	Valley Oak	13	18	Good	Good	Single Stem	Potentially Suitable for Preservation
113	Interior Live Oak	12	20	Good	Good	Single Stem	Potentially Suitable for Preservation
114	Valley Oak	9	20	Good	Good	Single Stem	Potentially Suitable for Preservation
115	Valley Oak	21	29	Good	Good	Single Stem	Potentially Suitable for Preservation
116	Interior Live Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
117	Valley Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
118	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
119	Interior Live Oak	6	20	Good	Good	Single Stem	Potentially Suitable for Preservation
120	Valley Oak	16	33	Good	Good	Single Stem	Potentially Suitable for Preservation
121	Valley Oak	8	9	Good	Good	Single Stem	Potentially Suitable for Preservation
122	Valley Oak	8	11	Good	Good	Single Stem	Potentially Suitable for Preservation
123	Valley Oak	11	18	Good	Good	Single Stem	Potentially Suitable for Preservation
124	Valley Oak	6	7	Good	Good	Single Stem	Potentially Suitable for Preservation
125	Valley Oak	6	6	Good	Good	Single Stem	Potentially Suitable for Preservation
126	Valley Oak	7	10	Good	Good	Single Stem	Potentially Suitable for Preservation
127	Interior Live Oak	7	11	Good	Good	Single Stem	Potentially Suitable for Preservation
128	Valley Oak	7	8	Good	Good	Single Stem	Potentially Suitable for Preservation
129	Valley Oak	7	7	Good	Good	Single Stem	Potentially Suitable for Preservation
130	Valley Oak	14	16	Good	Good	Single Stem	Potentially Suitable for Preservation
131	Valley Oak	12	18	Good	Good	Single Stem	Potentially Suitable for Preservation
132	Valley Oak	13	30	Good	Good	2 stems	Potentially Suitable for Preservation
133	Interior Live Oak	12	18	Good	Good	Single Stem	Potentially Suitable for Preservation
134	Valley Oak	22	40	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
135	Interior Live Oak	6	14	Good	Good	Single Stem	Potentially Suitable for Preservation
136	Valley Oak	20	45	Good	Good	Single Stem	Potentially Suitable for Preservation
137	Interior Live Oak	8	22	Good	Good	Single Stem	Potentially Suitable for Preservation
138	Coast Live Oak	7	28	Good	Other	Single Stem	Potentially Suitable for Preservation
139	Interior Live Oak	7	20	Good	Good	Single Stem	Potentially Suitable for Preservation
140	Valley Oak	7	14	Good	Good	Single Stem	Potentially Suitable for Preservation
141	Interior Live Oak	8	18	Good	Good	Single Stem	Potentially Suitable for Preservation
142	Interior Live Oak	6	16	Good	Good	Single Stem	Potentially Suitable for Preservation
143	Valley Oak	9	14	Good	Good	Single Stem	Potentially Suitable for Preservation
144	Interior Live Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
145	Valley Oak	22	45	Good	Good	Single Stem	Potentially Suitable for Preservation
146	Valley Oak	32	50	Good	Good	Single Stem	Potentially Suitable for Preservation
147	Coast Live Oak	9	30	Good	Good	Single Stem	Potentially Suitable for Preservation
148	Interior Live Oak	7	25	Good	Good	Single Stem	Potentially Suitable for Preservation
149	Interior Live Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
150	Interior Live Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
151	Interior Live Oak	16	30	Good	Good	2 stems	Potentially Suitable for Preservation
152	Interior Live Oak	46	75	Good	Good	Single Stem	Potentially Suitable for Preservation
153	Interior Live Oak	19	56	Good	Good	Single Stem	Potentially Suitable for Preservation
154	Interior Live Oak	7	14	Good	Good	Single Stem	Potentially Suitable for Preservation
155	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
156	Interior Live Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
157	Interior Live Oak	7	10	Good	Good	Single Stem	Potentially Suitable for Preservation
158	Interior Live Oak	6	14	Good	Good	Single Stem	Potentially Suitable for Preservation
159	Interior Live Oak	18	26	Good	Good	Single Stem	Potentially Suitable for Preservation
160	Interior Live Oak	6	17	Good	Good	Single Stem	Potentially Suitable for Preservation
161	Interior Live Oak	8	28	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
162	Interior Live Oak	14	31	Good	Good	Single Stem	Potentially Suitable for Preservation
163	Interior Live Oak	13	26	Good	Good	Single Stem	Potentially Suitable for Preservation
164	Valley Oak	55	75	Good	Good	Single Stem	Potentially Suitable for Preservation
165	Interior Live Oak	6	25	Good	Good	Single Stem	Potentially Suitable for Preservation
166	Interior Live Oak	17	32	Good	Good	3 stems	Potentially Suitable for Preservation
167	Interior Live Oak	8	35	Good	Good	Single Stem	Potentially Suitable for Preservation
168	Interior Live Oak	14	35	Good	Good	3 stems	Potentially Suitable for Preservation
169	Valley Oak	6	20	Good	Good	Single Stem	Potentially Suitable for Preservation
170	Interior Live Oak	6	24	Good	Other	Single Stem	Potentially Suitable for Preservation
171	Valley Oak	38	72	Good	Good	Single Stem	Potentially Suitable for Preservation
172	Valley Oak	30	56	Good	Good	Single Stem	Potentially Suitable for Preservation
173	Valley Oak	27	48	Good	Good	Single Stem, Canopy overlaps buffer	Potentially Suitable for Preservation
174	Valley Oak	34	68	Good	Good	Single Stem	Potentially Suitable for Preservation
175	Valley Oak	26	47	Good	Good	Single Stem	Potentially Suitable for Preservation
176	Valley Oak	18	32	Good	Good	Single Stem	Potentially Suitable for Preservation
177	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
178	Interior Live Oak	23	62	Good	Good	Single Stem	Potentially Suitable for Preservation
179	Valley Oak	17	55	Good	Good	Single Stem	Potentially Suitable for Preservation
180	Valley Oak	15	32	Good	Good	Single Stem	Potentially Suitable for Preservation
181	Valley Oak	7	14	Good	Good	Single Stem	Potentially Suitable for Preservation
182	Valley Oak	17	35	Good	Good	Single Stem	Potentially Suitable for Preservation
183	Interior Live Oak	9	27	Good	Good	Single Stem	Potentially Suitable for Preservation
184	Valley Oak	6	12	Good	Good	Single Stem	Potentially Suitable for Preservation
185	Valley Oak	9	13	Good	Good	Single Stem	Potentially Suitable for Preservation
186	Interior Live Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation
187	Valley Oak	26	68	Good	Good	Single Stem	Potentially Suitable for Preservation
188	Valley Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
189	Valley Oak	6	16	Fair	Other	Single Stem	Potentially Suitable for Preservation
190	Interior Live Oak	24	40	Good	Good	Single Stem	Potentially Suitable for Preservation
191	Valley Oak	24	30	Good	Good	Single Stem	Potentially Suitable for Preservation
192	Valley Oak	6	15	Fair	Other	Single Stem	Potentially Suitable for Preservation
193	Valley Oak	23	30	Good	Good	2 stems	Potentially Suitable for Preservation
194	Valley Oak	15	20	Poor	Other	Single Stem	Potentially Not Suitable for Preservation
195	Valley Oak	6	7	Fair	Good	Single Stem	Potentially Suitable for Preservation
196	Valley Oak	33	80	Good	Good	Single Stem	Potentially Suitable for Preservation
197	Interior Live Oak	18	35	Good	Good	Single Stem	Potentially Suitable for Preservation
198	Valley Oak	11	26	Good	Good	Single Stem	Potentially Suitable for Preservation
199	Valley Oak	6	12	Fair	Good	Single Stem	Potentially Suitable for Preservation
200	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
201	Valley Oak	12	18	Good	Good	Single Stem	Potentially Suitable for Preservation
202	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
203	Interior Live Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
204	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
205	Interior Live Oak	6	12	Good	Good	Single Stem	Potentially Suitable for Preservation
206	Valley Oak	38	80	Good	Good	Single Stem	Potentially Suitable for Preservation
207	Interior Live Oak	7	17	Good	Good	Single Stem	Potentially Suitable for Preservation
208	Valley Oak	16	18	Good	Good	Single Stem	Potentially Suitable for Preservation
209	Valley Oak	22	36	Good	Good	Single Stem	Potentially Suitable for Preservation
210	Interior Live Oak	40	80	Good	Good	Single Stem	Potentially Suitable for Preservation
211	Valley Oak	60	80	Good	Good	Single Stem	Potentially Suitable for Preservation
212	Valley Oak	42	35	Good	Good	Single Stem	Potentially Suitable for Preservation
213	Blue Oak	26	50	Fair	Cracks	Single Stem	Potentially Suitable for Preservation
214	Interior Live Oak	13	10	Good	Good	Single Stem	Potentially Suitable for Preservation
215	Interior Live Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
216	Valley Oak	11	15	Good	Good	Single Stem	Potentially Suitable for Preservation
217	Valley Oak	28	42	Good	Good	Single Stem	Potentially Suitable for Preservation
218	Interior Live Oak	42	65	Good	Good	Single Stem	Potentially Suitable for Preservation
219	Valley Oak	1834	30	Good	Good	Single Stem	Potentially Suitable for Preservation
220	Interior Live Oak	3234	35	Good	Cracks	Single Stem	Potentially Not Suitable for Preservation
221	Valley Oak	30	45	Good	Good	Single Stem	Potentially Suitable for Preservation
222	Valley Oak	131317	40	Good	Cracks	Single Stem	Potentially Not Suitable for Preservation
223	Interior Live Oak	55	40	Fair	Dead Fall	Single Stem	Potentially Not Suitable for Preservation
224	Interior Live Oak	1013	30	Poor	Dead Fall	Single Stem	Potentially Not Suitable for Preservation
225	Interior Live Oak	43	45	Good	Good	Single Stem	Potentially Suitable for Preservation
226	Interior Live Oak	2528	35	Good	Good	Single Stem	Potentially Suitable for Preservation
227	Coast Live Oak	25	50	Fair	Wounding	Single Stem	Potentially Not Suitable for Preservation
228	Valley Oak	6	9	Good	Good	Single Stem	Potentially Suitable for Preservation
229	Interior Live Oak	8	18	Good	Good	Single Stem	Potentially Suitable for Preservation
230	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
231	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
232	Interior Live Oak	8	26	Good	Good	Single Stem	Potentially Suitable for Preservation
233	Interior Live Oak	11	29	Good	Good	Single Stem	Potentially Suitable for Preservation
234	Interior Live Oak	19	40	Good	Good	Single Stem	Potentially Suitable for Preservation
235	Interior Live Oak	18	40	Good	Good	Single Stem	Potentially Suitable for Preservation
236	Interior Live Oak	11	24	Good	Good	Single Stem	Potentially Suitable for Preservation
237	Interior Live Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation
238	Interior Live Oak	25	39	Good	Good	Single Stem	Potentially Suitable for Preservation
239	Interior Live Oak	14	19	Good	Good	Single Stem	Potentially Suitable for Preservation
240	Interior Live Oak	8	19	Good	Good	Single Stem	Potentially Suitable for Preservation
241	Interior Live Oak	19	35	Good	Good	Single Stem	Potentially Suitable for Preservation
242	Interior Live Oak	12	15	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
243	Valley Oak	7	18	Good	Good	Single Stem	Potentially Suitable for Preservation
244	Interior Live Oak	9	25	Good	Good	Single Stem	Potentially Suitable for Preservation
245	Interior Live Oak	6.5	18	Good	Good	Single Stem	Potentially Suitable for Preservation
246	Interior Live Oak	15	25	Good	Good	Single Stem	Potentially Suitable for Preservation
247	Valley Oak	12	16	Good	Good	Single Stem	Potentially Suitable for Preservation
248	Interior Live Oak	6.5	12	Poor	Good	Single Stem	Potentially Not Suitable for Preservation
249	Interior Live Oak	7	9	Good	Good	Single Stem	Potentially Suitable for Preservation
250	Valley Oak	58	90	Good	Good	Single Stem	Potentially Suitable for Preservation
251	Valley Oak	30	60	Good	Good	Single Stem	Potentially Suitable for Preservation
252	Interior Live Oak	16	25	Good	Other	2 stems	Potentially Suitable for Preservation
253	Valley Oak	6	18	Good	Good	Single Stem	Potentially Suitable for Preservation
254	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
255	Valley Oak	10	16	Good	Good	Single Stem	Potentially Suitable for Preservation
256	Valley Oak	12	18	Good	Good	Single Stem	Potentially Suitable for Preservation
257	Interior Live Oak	9	14	Good	Good	Single Stem	Potentially Suitable for Preservation
258	Interior Live Oak	8	14	Good	Good	Single Stem	Potentially Suitable for Preservation
259	Valley Oak	13	20	Fair	Good	3 stems	Potentially Suitable for Preservation
260	Valley Oak	7	10	Good	Good	Single Stem	Potentially Suitable for Preservation
261	Valley Oak	12	25	Good	Good	Single Stem	Potentially Suitable for Preservation
262	Valley Oak	13	20	Good	Good	Single Stem	Potentially Suitable for Preservation
263	Valley Oak	16	36	Good	Good	Single Stem	Potentially Suitable for Preservation
264	Valley Oak	32	40	Good	Good	Single Stem	Potentially Suitable for Preservation
265	Valley Oak	25	40	Good	Good	2 stems	Potentially Suitable for Preservation
266	Valley Oak	6	7	Good	Good	Single Stem	Potentially Suitable for Preservation
267	Valley Oak	14	18	Good	Good	Single Stem	Potentially Suitable for Preservation
268	Valley Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation
269	Valley Oak	12	16	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
270	Valley Oak	20	35	Fair	Good	Single Stem	Potentially Suitable for Preservation
271	Valley Oak	10	14	Good	Good	Single Stem	Potentially Suitable for Preservation
272	Valley Oak	7	13	Good	Good	Single Stem	Potentially Suitable for Preservation
273	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
274	Valley Oak	11	16	Good	Good	Single Stem	Potentially Suitable for Preservation
275	Valley Oak	9	6	Good	Good	Single Stem	Potentially Suitable for Preservation
276	Valley Oak	36	60	Good	Good	Single Stem	Potentially Suitable for Preservation
277	Interior Live Oak	8	16	Good	Good	Single Stem	Potentially Suitable for Preservation
278	Interior Live Oak	14	33	Good	Good	Single Stem	Potentially Suitable for Preservation
279	Interior Live Oak	10	20	Good	Good	Single Stem	Potentially Suitable for Preservation
280	Valley Oak	14	26	Good	Good	Single Stem	Potentially Suitable for Preservation
281	Valley Oak	16	25	Good	Good	3 stems	Potentially Suitable for Preservation
282	Valley Oak	10	25	Good	Good	2 stems	Potentially Suitable for Preservation
283	Valley Oak	12	15	Good	Good	4 stems	Potentially Suitable for Preservation
284	Valley Oak	8	12	Good	Good	Single Stem	Potentially Suitable for Preservation
285	Valley Oak	10	14	Good	Good	Single Stem	Potentially Suitable for Preservation
286	Valley Oak	11	18	Good	Good	Single Stem	Potentially Suitable for Preservation
287	Valley Oak	9	14	Good	Good	Single Stem	Potentially Suitable for Preservation
288	Valley Oak	10	11	Good	Good	Single Stem	Potentially Suitable for Preservation
289	Valley Oak	22	12	Good	Good	Single Stem	Potentially Suitable for Preservation
290	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
291	Valley Oak	8	20	Good	Good	Single Stem	Potentially Suitable for Preservation
292	Valley Oak	6	10	Fair	Good	Single Stem	Potentially Suitable for Preservation
293	Valley Oak	12	15	Fair	Good	Single Stem	Potentially Suitable for Preservation
294	Valley Oak	27	28	Good	Good	3 stems	Potentially Suitable for Preservation
295	Valley Oak	16	23	Good	Good	Single Stem	Potentially Suitable for Preservation
296	Valley Oak	7	15	Poor	Poor Crown Development	Single Stem	Potentially Not Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
297	Valley Oak	8	25	Good	Good	Single Stem	Potentially Suitable for Preservation
298	Valley Oak	18	20	Good	Good	Single Stem	Potentially Suitable for Preservation
299	Valley Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation
300	Interior Live Oak	7	12	Good	Good	Single Stem	Potentially Suitable for Preservation
301	Valley Oak	30	40	Good	Good	Single Stem	Potentially Suitable for Preservation
302	Valley Oak	6	16	Good	Good	Single Stem	Potentially Suitable for Preservation
303	Valley Oak	24	35	Good	Good	Single Stem	Potentially Suitable for Preservation
304	Valley Oak	15	20	Good	Good	Single Stem	Potentially Suitable for Preservation
305	Interior Live Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation
306	Valley Oak	15	22	Good	Good	Single Stem	Potentially Suitable for Preservation
307	Interior Live Oak	24	35	Good	Good	Single Stem	Potentially Suitable for Preservation
308	Valley Oak	15	22	Good	Good	Single Stem	Potentially Suitable for Preservation
309	Valley Oak	12	22	Good	Good	Single Stem	Potentially Suitable for Preservation
310	Valley Oak	9	16	Good	Good	Single Stem	Potentially Suitable for Preservation
311	Valley Oak	13	20	Good	Good	Single Stem	Potentially Suitable for Preservation
312	Valley Oak	8	18	Good	Good	Single Stem	Potentially Suitable for Preservation
313	Valley Oak	24	60	Good	Good	Single Stem	Potentially Suitable for Preservation
314	Valley Oak	38	50	Good	Good	Single Stem	Potentially Suitable for Preservation
315	Valley Oak	18	<Null>	Good	Good	Single Stem	Potentially Suitable for Preservation
316	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
317	Valley Oak	18	25	Good	Good	Single Stem	Potentially Suitable for Preservation
318	Valley Oak	10	25	Good	Good	2 stems	Potentially Suitable for Preservation
319	Valley Oak	8	25	Fair	Good	Single Stem	Potentially Suitable for Preservation
320	Valley Oak	13	24	Fair	Cracks	2 stems	Potentially Not Suitable for Preservation
321	Interior Live Oak	16	25	Good	Cracks	2 stems	Potentially Suitable for Preservation
322	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
323	Valley Oak	17	28	Fair	Good	2 stems	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
324	Valley Oak	12	11	Good	Good	Single Stem	Potentially Suitable for Preservation
325	Valley Oak	7	13	Good	Good	Single Stem	Potentially Suitable for Preservation
326	Valley Oak	12	18	Good	Good	Single Stem	Potentially Suitable for Preservation
327	Valley Oak	7	13	Good	Good	Single Stem	Potentially Suitable for Preservation
328	Valley Oak	10	28	Good	Good	Single Stem	Potentially Suitable for Preservation
329	Valley Oak	6	9	Good	Good	Single Stem	Potentially Suitable for Preservation
330	Valley Oak	8	14	Good	Good	Single Stem	Potentially Suitable for Preservation
331	Valley Oak	7	9	Good	Good	Single Stem	Potentially Suitable for Preservation
332	Valley Oak	15	20	Good	Good	Single Stem	Potentially Suitable for Preservation
333	Valley Oak	10	20	Good	Good	Single Stem	Potentially Suitable for Preservation
334	Valley Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation
335	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
336	Valley Oak	19	33	Good	Good	Single Stem	Potentially Suitable for Preservation
337	Valley Oak	18	36	Good	Good	Single Stem	Potentially Suitable for Preservation
338	Valley Oak	27	52	Good	Good	Single Stem	Potentially Suitable for Preservation
339	Valley Oak	15	15	Good	Good	Single Stem	Potentially Suitable for Preservation
340	Valley Oak	11	18	Good	Good	Single Stem	Potentially Suitable for Preservation
341	Valley Oak	16	30	Good	Good	Single Stem	Potentially Suitable for Preservation
342	Valley Oak	15	20	Good	Good	Single Stem	Potentially Suitable for Preservation
343	Valley Oak	13	18	Good	Good	Single Stem	Potentially Suitable for Preservation
344	Valley Oak	8	17	Good	Good	Single Stem	Potentially Suitable for Preservation
345	Valley Oak	11	18	Good	Good	Single Stem	Potentially Suitable for Preservation
346	Valley Oak	9	19	Good	Good	Single Stem	Potentially Suitable for Preservation
347	Valley Oak	6	15	Good	Good	Single Stem	Potentially Suitable for Preservation
348	Valley Oak	8	12	Good	Good	Single Stem	Potentially Suitable for Preservation
349	Valley Oak	10	24	Good	Good	Single Stem	Potentially Suitable for Preservation
350	Valley Oak	9	21	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
351	Valley Oak	9	18	Good	Good	Single Stem	Potentially Suitable for Preservation
352	Valley Oak	6	14	Good	Good	Single Stem	Potentially Suitable for Preservation
353	Valley Oak	7	15	Good	Good	Single Stem	Potentially Suitable for Preservation
354	Valley Oak	50	75	Good	Good	Single Stem	Potentially Suitable for Preservation
355	Interior Live Oak	7	16	Good	Good	Single Stem	Potentially Suitable for Preservation
356	Interior Live Oak	18	25	Good	Good	2 stems	Potentially Suitable for Preservation
357	Valley Oak	7	10	Good	Other	Single Stem	Potentially Suitable for Preservation
358	Interior Live Oak	16	30	Good	Good	Single Stem	Potentially Suitable for Preservation
359	Valley Oak	14	33	Good	Good	Single Stem	Potentially Suitable for Preservation
360	Valley Oak	6	16	Good	Good	Single Stem	Potentially Suitable for Preservation
361	Interior Live Oak	13	25	Good	Good	2 stems	Potentially Suitable for Preservation
362	Blue Oak	10	16	Good	Good	Single Stem	Potentially Suitable for Preservation
363	Valley Oak	13	15	Good	Good	3 stems	Potentially Suitable for Preservation
364	Valley Oak	15	30	Good	Good	Single Stem	Potentially Suitable for Preservation
365	Valley Oak	20	50	Good	Good	Single Stem	Potentially Suitable for Preservation
366	Valley Oak	24	60	Good	Good	Single Stem	Potentially Suitable for Preservation
367	Valley Oak	22	45	Good	Good	Single Stem	Potentially Suitable for Preservation
368	Interior Live Oak	7	16	Good	Good	Single Stem	Potentially Suitable for Preservation
369	Valley Oak	25	38	Good	Good	Single Stem	Potentially Suitable for Preservation
370	Valley Oak	10	25	Good	Good	Single Stem	Potentially Suitable for Preservation
371	Valley Oak	20	35	Good	Good	Single Stem	Potentially Suitable for Preservation
372	Valley Oak	10	24	Good	Good	Single Stem	Potentially Suitable for Preservation
373	Valley Oak	6	16	Fair	Wounding	Single Stem	Potentially Not Suitable for Preservation
374	Valley Oak	41	75	Good	Good	Single Stem	Potentially Suitable for Preservation
375	Valley Oak	36	60	Good	Good	Single Stem	Potentially Suitable for Preservation
376	Interior Live Oak	6	12	Good	Good	Single Stem	Potentially Suitable for Preservation
377	Valley Oak	6	11	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
378	Interior Live Oak	7	16	Good	Good	Single Stem	Potentially Suitable for Preservation
379	Valley Oak	16	25	Good	Good	Single Stem	Potentially Suitable for Preservation
380	Valley Oak	30	65	Good	Good	Single Stem	Potentially Suitable for Preservation
381	Valley Oak	30	70	Good	Good	Single Stem	Potentially Suitable for Preservation
382	Interior Live Oak	20	55	Good	Good	Single Stem	Potentially Suitable for Preservation
383	Interior Live Oak	18	30	Good	Good	Single Stem	Potentially Suitable for Preservation
384	Valley Oak	1213	35	Good	Good	Single Stem	Potentially Suitable for Preservation
385	Valley Oak	9	18	Good	Good	Single Stem	Potentially Suitable for Preservation
386	Valley Oak	11	27	Good	Good	Single Stem	Potentially Suitable for Preservation
387	Valley Oak	32	40	Good	Good	Single Stem	Potentially Suitable for Preservation
388	Valley Oak	12	20	Good	Good	Single Stem	Potentially Suitable for Preservation
389	Valley Oak	13	22	Good	Good	Single Stem	Potentially Suitable for Preservation
390	Valley Oak	13	22	Good	Good	Single Stem	Potentially Suitable for Preservation
391	Valley Oak	6	8	Fair	Good	Single Stem	Potentially Suitable for Preservation
392	Valley Oak	13	20	Good	Good	Single Stem	Potentially Suitable for Preservation
393	Valley Oak	8	15	Good	Good	Single Stem	Potentially Suitable for Preservation
394	Valley Oak	11	16	Good	Good	Single Stem	Potentially Suitable for Preservation
395	Valley Oak	7	11	Good	Good	Single Stem	Potentially Suitable for Preservation
396	Valley Oak	7	9	Good	Good	Single Stem	Potentially Suitable for Preservation
397	Valley Oak	16	22	Good	Good	Single Stem	Potentially Suitable for Preservation
398	Valley Oak	22	45	Good	Good	Single Stem	Potentially Suitable for Preservation
399	Valley Oak	8	11	Good	Good	Single Stem	Potentially Suitable for Preservation
400	Valley Oak	6	5	Fair	Good	Single Stem	Potentially Suitable for Preservation
401	Valley Oak	9	10	Good	Good	Single Stem	Potentially Suitable for Preservation
402	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
403	Valley Oak	38	30	Good	Good	Single Stem	Potentially Suitable for Preservation
404	Valley Oak	20	20	Fair	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
405	Valley Oak	12	10	Fair	Good	Single Stem	Potentially Suitable for Preservation
406	Valley Oak	25	35	Good	Good	Single Stem	Potentially Suitable for Preservation
407	Valley Oak	25	10	Poor	Poor Crown Development	Single Stem	Potentially Not Suitable for Preservation
408	Valley Oak	25	15	Fair	Good	Single Stem	Potentially Suitable for Preservation
409	Valley Oak	8	10	Fair	Good	Single Stem	Potentially Suitable for Preservation
410	Valley Oak	8	10	Good	Good	Single Stem	Potentially Suitable for Preservation
411	Valley Oak	10	10	Good	Good	Single Stem	Potentially Suitable for Preservation
412	Valley Oak	7	5	Fair	Good	Single Stem	Potentially Suitable for Preservation
413	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
414	Valley Oak	17	15	Good	Good	Single Stem	Potentially Suitable for Preservation
415	Valley Oak	29	25	Fair	Good	Single Stem	Potentially Suitable for Preservation
416	Valley Oak	12	10	Good	Good	Single Stem	Potentially Suitable for Preservation
417	Valley Oak	23	20	Good	Good	Single Stem	Potentially Suitable for Preservation
418	Valley Oak	11	10	Good	Good	Single Stem	Potentially Suitable for Preservation
419	Valley Oak	9	5	Good	Good	Single Stem	Potentially Suitable for Preservation
420	Valley Oak	20	30	Fair	Poor Crown Development	Single Stem	Potentially Not Suitable for Preservation
421	Valley Oak	13	10	Good	Good	Single Stem	Potentially Suitable for Preservation
422	Valley Oak	22	25	Good	Good	Single Stem	Potentially Suitable for Preservation
423	Valley Oak	32	50	Good	Good	Single Stem	Potentially Suitable for Preservation
424	Valley Oak	18	5	Fair	Poor Crown Development	Single Stem	Potentially Not Suitable for Preservation
425	Valley Oak	21	25	Good	Good	Single Stem	Potentially Suitable for Preservation
426	Valley Oak	10	10	Fair	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
427	Valley Oak	6	10	Good	Good	Single Stem	Potentially Suitable for Preservation
428	Valley Oak	14	15	Good	Good	Single Stem	Potentially Suitable for Preservation
429	Valley Oak	12	5	Fair	Poor Crown Development	Single Stem	Potentially Not Suitable for Preservation
430	Valley Oak	31	50	Good	Good	Single Stem	Potentially Suitable for Preservation
431	Valley Oak	21	30	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
432	Valley Oak	24	20	Good	Good	Single Stem	Potentially Suitable for Preservation
433	Valley Oak	10	10	Fair	Good	Single Stem	Potentially Suitable for Preservation
434	Valley Oak	26	15	Good	Good	Single Stem	Potentially Suitable for Preservation
435	Valley Oak	29	40	Good	Good	Single Stem	Potentially Suitable for Preservation
436	Valley Oak	24	25	Good	Good	Single Stem	Potentially Suitable for Preservation
437	Valley Oak	22	30	Good	Good	Single Stem	Potentially Suitable for Preservation
438	Valley Oak	20	25	Good	Good	Single Stem	Potentially Suitable for Preservation
439	Valley Oak	10	20	Good	Good	Single Stem	Potentially Suitable for Preservation
440	Valley Oak	513	25	Good	Good	Single Stem	Potentially Suitable for Preservation
441	Valley Oak	1516	25	Good	Good	Single Stem	Potentially Suitable for Preservation
442	Valley Oak	813	20	Good	Good	Single Stem	Potentially Suitable for Preservation
443	Valley Oak	8	10	Good	Poor Crown Development	Single Stem	Potentially Suitable for Preservation
444	Valley Oak	9	15	Good	Good	Single Stem	Potentially Suitable for Preservation
445	Valley Oak	10	15	Good	Good	Single Stem	Potentially Suitable for Preservation
446	Valley Oak	811	15	Good	Good	Single Stem	Potentially Suitable for Preservation
447	Valley Oak	12	20	Good	Good	Single Stem	Potentially Suitable for Preservation
448	Valley Oak	16	35	Good	Good	Single Stem	Potentially Suitable for Preservation
449	Valley Oak	10	25	Good	Good	Single Stem	Potentially Suitable for Preservation
450	Valley Oak	7	10	Good	Good	Single Stem	Potentially Suitable for Preservation
451	Valley Oak	18	25	Good	Good	Single Stem	Potentially Suitable for Preservation
452	Valley Oak	20	30	Good	Good	Single Stem	Potentially Suitable for Preservation
453	Valley Oak	1217	30	Good	Good	Single Stem	Potentially Suitable for Preservation
454	Valley Oak	27	50	Good	Good	Single Stem	Potentially Suitable for Preservation
455	Valley Oak	27	50	Good	Good	Single Stem	Potentially Suitable for Preservation
456	Valley Oak	15	35	Good	Good	Single Stem	Potentially Suitable for Preservation
457	Valley Oak	7	10	Good	Good	Single Stem	Potentially Suitable for Preservation
458	Valley Oak	16	15	Good	Good	Single Stem	Potentially Suitable for Preservation

Tree ID	Species ID	DBH Inches	Canopy Diameter Ft	Tree Condition	Struct Integrity	Other Notes	Potential For Preservation
459	Valley Oak	8	10	Good	Good	Single Stem	Potentially Suitable for Preservation
460	Valley Oak	19	25	Good	Good	Single Stem	Potentially Suitable for Preservation
461	Valley Oak	12	10	Good	Good	Single Stem	Potentially Suitable for Preservation
462	Valley Oak	1820	40	Good	Good	Single Stem	Potentially Suitable for Preservation
463	Valley Oak	21	30	Good	Good	Single Stem	Potentially Suitable for Preservation
464	Valley Oak	33	60	Good	Good	Single Stem	Potentially Suitable for Preservation
465	Valley Oak	9	10	Good	Good	Single Stem	Potentially Suitable for Preservation

Notes:

[1] These identification (ID) numbers are for analysis purposes only and do not reflect a tagged identification number in the field, Trees were not tagged during surveys. Trees were numbered consecutively moving north to south.

[2] Diameter measurements were collected using standard protocol at 4.5 feet above grade (i.e., at standard height, also known as diameter at breast height [DBH]). In cases where a tree's trunk split into multiple stems at approximately 4.5 feet above ground, the measurement was made by taking the diameter of each individual stem and calculating the aggregate total. Only trees with a minimum single of 6-inch DBH or multi-stemmed trees measuring 10 inches DBH (with each stem a minimum of 4 inches) were measured.

[3] Tree condition relates to the overall health and structure of the tree. Trees in good condition appear structurally sound, are generally free of wound scars, and are free of any signs of disease or nutrient deficiency; trees in fair condition have minor structural defects and/or wound scars and may exhibit minor signs of stress (e.g., some canopy dieback and/or leaf discoloration); trees in poor condition have major structural defects, numerous wounding scars, and show major signs of stress (e.g., insect infestation, mistletoe infestation, severe canopy dieback, leaf chlorosis).

[4] Each tree's suitability for preservation is rated based on its species, approximate age, health, structural integrity, and ability to safely coexist with project elements. healthy and established oak trees rooted outside of the survey area, but with canopies that overlap the survey area, are considered suitable for preservation. All other trees are considered potentially suitable for preservation but may need to be removed to accommodate project construction.

Appendix B Representative Photos – Arborist Survey March 2021

Photo 1. Small and medium-sized valley oak trees in southwest portion of survey area, between Cherry Island Soccer Complex to the east and Dry Creek to the west. Looking southwest. 01 March 2021.

Photo 2. Medium-sized oak trees in riparian woodland habitat north of the Cherry Island Soccer Complex. Looking northwest. 02 March 2021.

Photo 3. North side of Cherry Island Soccer Complex, with native oak trees to the north (left side of photo) and planted landscape trees to the south (right side of photo and in background). Looking northeast. 01 March 2021.

Photo 4. Large valley oak (foreground) and almond trees (background) along 28th Street. Looking north. 02 March 2021.

Photo 5. Planted native oak trees along edge of Cherry Island Golf Course, west of 28th Street. Looking south. 02 March 2021.

Photo 6. Western edge of Northbrook Park, with planted landscape trees to the east (right side of photo) and native oak woodland along Dry Creek to the west (left side of photo). Looking northeast. 02 March 2021.

Photo 7. Native oak trees in open space area to the north of Northbrook Park (foreground), and oak riparian woodland along Dry Creek to the west (left side of photo). Looking north. 02 March 2021.

Photo 8. Planted landscape trees in Antelope Greens Golf Course (left side of photo) and oak riparian woodland along Dry Creek (right side of photo) along the proposed trail alignment. Looking south. 03 March 2021.

Photo 9. Valey oak and interior live oak trees along Dry Creek at proposed bridge crossing location connecting Gibson Ranch Park to the proposed trail alignment. Looking east, from Gibson Ranch hiking trail, toward proposed project site to the east. 03 March 2021.

Photo 10. Large and medium-sized valley oaks and interior live oaks in riparian oak woodland habitat near Elverta Road. Looking southwest. 04 March 2021.

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