

CALIFORNIA ENVIRONMENTAL QUALITY ACT  
**INITIAL STUDY**

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**Use Permit Application UP-2019-01782  
Caldwell Park Expansion Project**

**Prepared by:**

**CITY OF REDDING**  
**Development Services Department**  
*Planning Division*  
**777 Cypress Avenue**  
**Redding, California 96001**

**October 2019**

# CITY OF REDDING ENVIRONMENTAL CHECKLIST FORM

1. **Project Title:** Use Permit Application UP-2019-01782, Caldwell Park Expansion Project

2. **Lead agency name and address:**

CITY OF REDDING  
Development Services Department  
*Planning Division*  
777 Cypress Avenue  
Redding, CA 96001

3. **Contact Person and Phone Number:** Linda Burke, Senior Planner, (530) 225-4027

4. **Project Location:**

58 Quartz Hill Road, 971 North Market Street, & 991 North Market Street

5. **Applicant's Name and Address:**

Kim Niemer, Director  
Community Services Department  
CITY OF REDDING  
777 Cypress Avenue  
Redding, CA 96001

**Representative's Name and Address:**

Linda Burke, Senior Planner  
Development Services Department  
CITY OF REDDING  
777 Cypress Avenue  
Redding, CA 96001

6. **General Plan Designation:** "Park" and "Greenway."

7. **Zoning:** "PF-FP" Public Facilities District with Floodplain Combining District.

8. **Description of Project:**

The City of Redding Community Services Department (City) proposes an expansion and public-access improvement project at Caldwell Park. The City anticipates the use of a Statewide Park Development and Community Revitalization grant to fund the project. A use permit is required to allow encroachment into the regulatory 100-year floodplain of the Sacramento River for public art and access improvements. Park expansion consists of two areas: Caldwell Park, west of the Market Street Bridge; and Caldwell Park, east of the Market Street Bridge.

Improvements at **Caldwell Park West** include:

- Expanding the skate park, installing a shade structure, and installing lights
- Constructing a wall ball court at the Teen Center
- Installing a shaded outdoor exercise equipment center
- Replacing the existing restroom with a new ADA-compliant restroom
- Installing a lighted multipurpose athletic court

- Renovating the existing trail access and event space
- Installing a paved pathway from the event space to the River Trail
- Installing a public art piece near the River Trail
- Planting approximately 20 native trees and shrubs

Improvements at **Caldwell Park East** include:

- Installing a bicycle park
- Expanding the existing parking lot
- Constructing a classroom structure
- Constructing a shade structure
- Installing an event zone and food truck parking zone
- Installing lights, signs, drinking fountains, public art, benches, and native shade trees
- Constructing maintenance/storage buildings
- Installing a bouldering/climbing area
- Installing a bioswale for stormwater treatment
- Installing fencing at the bike park

The bike park would consist of a paved low-maintenance pump track, tot track, perimeter skills trail with various features and rock elements, and flow and jump lines. The park would utilize prefabricated features such as wood deck over steel framed jump lips. Safety lighting will be installed on the north side of the River Trail in Caldwell Park East. The lighting will be less than 1.0 lux, downward facing, and directed at the areas intended for illumination.

The project would take one season and is anticipated to be constructed in 2020. Construction would consist of grading; excavation; trenching; vegetation trimming and removal; paving; planting; as well as sign, light, drinking fountain installation, and structure installation. The project design incorporates the use of standard Best Management Practices (BMPs) to prevent erosion and sediment transport, high visibility fencing/flagging for avoidance areas, and standard conservation measures for vegetation and species impact avoidance.

## **9. Surrounding Land Uses and Setting:**

The site is bounded by a residential uses and the Turtle Bay Arboretum to the north; office, residential, and open space to the west; open space and the Sundial Bridge to the east; riparian woodland and the Sacramento River to the South. The project is located on the north bank of the Sacramento River, on each side of the Market Street Bridge, on the north side of the Sacramento River Trail. State Route 273 bisects the park. The Federal Emergency Management Agency 100-year floodplain inundates approximately 10.5 acres of the greater park area. Caldwell Park totals approximately 70 acres of resource lands owned by the City. These lands include a total of 0.8 mile of Sacramento River frontage and paved trails, with valley foothill riparian, valley oak woodland, open grassland, barren, urban, and landscaped vegetation communities. Vegetation includes willow, Fremont Cottonwood, valley oak, foothill pine, poison oak, tree of heaven, blackberry, as well as other ornamental and ruderal species. Caldwell Park west is an existing landscaped park, and Caldwell Park east is a largely undeveloped area with a paved parking lot and a restroom. Historic land uses for the Caldwell park area include use by Native Americans, ranching, and gravel operations. The Sacramento River Trail, which runs through both park areas,

serves as both a nonmotorized commute route and a recreation facility for walking, jogging, and cycling.

**10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

- Grants may be used for this project and funding agreements would be required.
- The project will not require any additional permits or approvals.

**11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

Consultation letters were sent to the Redding Rancheria, the Wintu Tribe of Northern California, and the Winnemem Wintu Tribe on July 16, 2019, to invite their participation in the project development process and to request their assistance in the identification of sites of religious and cultural significance or the identification of historic properties that may be affected by the proposed project.

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED**

The environmental factors checked below would be potentially affected by this project.

	Aesthetics		Agricultural and Forestry Resources		Air Quality
x	Biological Resources		Cultural Resources		Energy
	Geology/Soils		Greenhouse Emissions	Gas	Hazards & Hazardous Materials
	Hydrology/Water Quality		Land Use/Planning		Mineral Resources
	Noise		Population/Housing		Public Services
	Recreation		Transportation		Tribal Cultural Resources
	Utilities/Service Systems		Wildfire		Mandatory Findings of Significance

**DETERMINATION (TO BE COMPLETED BY THE LEAD AGENCY)**

Based on the initial evaluation:

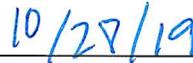
- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

- I find that although the proposed project could have a significant effect on the environment because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR of NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Copies of the Initial Study and related materials and documentation may be obtained at the Planning Division of the Development Services Department, 777 Cypress Avenue, Redding, CA 96001. Contact Linda Burke at (530) 225-4027 or [lburke@cityofredding.org](mailto:lburke@cityofredding.org).



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Linda Burke  
Senior Planner  
Development Services – Planning



\_\_\_\_\_  
Date

## EVALUATION OF ENVIRONMENTAL IMPACTS

This section analyzes the potential environmental impacts associated with the proposed project. The issue areas evaluated in this Initial Study include:

- Aesthetics
- Agricultural and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards & Hazardous Materials
- Hydrology/Water Quality
- Land Use/Planning
- Mineral Resources
- Noise
- Population/Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities/Service Systems
- Wildfire
- Mandatory Findings of Significance

The environmental analysis in this section is patterned after the Initial Study Checklist recommended by the State *CEQA Guidelines* and used by the City of Redding in its environmental review process. For the preliminary environmental assessment undertaken as part of this Initial Study's preparation, a determination that there is a potential for significant effects indicates the need to more fully analyze the development's impacts and to identify mitigation.

For the evaluation of potential impacts, the questions in the Initial Study Checklist are stated and an answer is provided according to the analysis undertaken as part of the Initial Study. The analysis considers the long-term, direct, indirect, and cumulative impacts of the development. To each question, there are four possible responses:

- No Impact. The development will not have any measurable environmental impact on the environment.
- Less Than Significant Impact. The development will have the potential for impacting the environment, although this impact will be below established thresholds that are significant.
- Potentially Significant Impact Unless Mitigation Incorporated. The development will have the potential to generate impacts which may be considered as a significant effect on the environment, although mitigation measures or changes to the development's physical or operational characteristics can reduce these impacts to levels that are less than significant.
- Potentially Significant Impact. The development will have impacts which are considered significant, and additional analysis is required to identify mitigation measures that could reduce these impacts to less than significant levels.

Where potential impacts are anticipated to be significant, mitigation measures will be required, so that impacts may be avoided or reduced to insignificant levels.

Prior environmental evaluations applicable to all or part of the project site:

- City of Redding General Plan, 2000
- City of Redding General Plan Final Environmental Impact Report, 2000, SCH #1998072103

**LIST OF ATTACHMENTS/REFERENCES:**

Attachment A

Figure 1 - Project Location Map

Figure 2 - Project Site Plan Package

Attachment B – Floodplain Encroachment Assessment, Pacific Hydrologic Incorporated,  
August 2019 (on file in the Planning Division)

Attachment C – Biological Resources Assessment, VESTRA Resources Inc., August 2019 (on file in  
the Planning Division)

Attachment D – Archaeological Survey Report, Alta Archaeological Consulting, September 2019 (on  
file in the Planning Division)

I. <b>AESTHETICS:</b> Except as provided in Public Resources Code Section 21099, would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views the site and its surroundings (public views are those that are experience from publicly accessible vantage point).? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

- a) The project will comply with the height standards of the City’s Zoning Ordinance for any permanent project features. The project consists of park expansion improvements and associated components that would be consistent with the aesthetics of the existing park facility. There are no scenic areas or resources within the project area.
- b) The project site is not located adjacent to a State-designated scenic highway and there are no documented scenic resources in the immediate project area.
- c) The project would be compatible with the existing visual character of the park. The addition of the bicycle park may slightly modify the visual environment; however, recreation is an existing visual feature in this area. The addition of the expansion improvements would not substantially degrade the existing visual character of the area. The project would be consistent with applicable zoning and scenic quality regulations. Impacts to the existing visual character and quality of existing views would less than significant.
- d) Construction of the project may involve the use of temporary safety and security lighting in construction staging areas. The completed project would include permanent River Trail lighting in Caldwell Park east. Both temporary construction lighting and permanent project lighting will comply with the City’s Zoning Ordinance light standards that require light shielding. Although there are a few homes and businesses adjacent to portions of the project area, none would be impacted using these types of lights. Project lighting and potential glare would be consistent with existing lighting sources used on area trails. Construction equipment, machinery, and bright colored traffic control signage may temporarily increase light and glare in the project

area during construction. Operational and construction impacts on day or nighttime views in the area due to project lighting would be less than significant.

**Documentation**

- City of Redding General Plan, Natural Resources Element, 2000
- City of Redding Zoning Ordinance, Chapter 18.40.090, *Lighting*
- California Department of Transportation, California Scenic Highway Mapping System. Updated September 7, 2011.

**Mitigation**

None necessary.

<p><b>II. AGRICULTURE AND FORESTRY RESOURCES:</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural, Land Evaluation and Site Assessment Mode (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided bin Forest Protocols adopted by the California Air Resources Board. Would the project:</p>	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
<p>a) Convert Prime Farmland, Unique Farmland, or Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>II. AGRICULTURE AND FORESTRY RESOURCES:</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural, Land Evaluation and Site Assessment Mode (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a-e) The project area does not include any designated farmland or timberlands. According to the California Department of Conservation's Farmland Mapping and Monitoring Program (FMMP) no lands within the project area are under Williamson Act contracts and no lands are mapped as Important Farmlands. The project would not convert any farmland to non-agricultural use, or any forestland to non-forest use.

**Documentation**

- City of Redding General Plan, Natural Resources Element, 2000
- City of Redding GIS Parcel and Zoning Map Viewer
- California Department of Conservation, Farmland Mapping and Monitoring Program, United States Department of Agriculture, Soil Conservation Service and Forest Service, Soil Survey of Shasta County Area.

**Mitigation**

None necessary.

<b>III. AIR QUALITY:</b> Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a-c) Air pollution controls will conform to City Standard Specifications, which state that the contractor shall comply with all applicable air pollution control rules, regulations, ordinances, and statutes. City standards (implemented through the Grading Ordinance and Uniform Building Code) require implementation of the following conservation measures and best management practices (BMPs) that contribute to achieving the City’s goal of at least a 20 percent reduction in emissions or the best reduction otherwise feasible. The following standard conservation measures and BMPs will be used during construction to limit dust and PM<sub>10</sub> emissions:

- **AQ-1.** Nontoxic soil stabilizers shall be applied according to manufacturer’s specification to all inactive construction areas.
- **AQ-2.** All grading operations shall be suspended when winds (as instantaneous gusts) exceed 20 miles per hour.
- **AQ-3.** Water all stockpiles, access roads, and disturbed or exposed areas, as necessary, to prevent airborne dust.
- **AQ-4.** Pursuant to the California Vehicle Code (Section 23114(e)(4)) (California Legislative Information 2016), all trucks hauling soil and other loose material to and from the construction site shall be covered or shall maintain at least 6 inches of freeboard (i.e., minimum vertical distance between top of load and the trailer).
- **AQ-5.** All public roadways used by the project contractor shall be maintained free from dust, dirt, and debris caused by construction activities. Streets shall be swept at the end of the day if visible soil materials are carried onto adjacent public paved roads.

The proposed project consists of new nonmotorized recreational and park features accessible from the Sacramento River Trail; however, the completed project could result in a minor increase in use of motor vehicles. Shasta County, including the far northern Sacramento Valley, currently exceeds the state's ambient standards for ozone (smog) and particulates (fine, airborne particles). Consequently, these pollutants are the focus of local air quality policy, especially when related to land use and transportation planning. Even with application of measures to reduce emissions for individual projects, cumulative impacts are unavoidable when ozone or particulate emissions are involved. For example, the primary source of emissions contributing to ozone is from vehicles. Any project that generates vehicle trips has the potential to incrementally contribute to the problem. The Environmental Impact Report for the City's *General Plan* acknowledged this dilemma; and as a result, the City Council has adopted *Findings* and a *Statement of Overriding Considerations* for impacts on air quality resulting from growth supported under the *General Plan*.

The operation of project construction equipment would result in limited temporary emissions of Reactive Organic Gases (ROG) and oxides of nitrogen (NO<sub>x</sub>), which are ozone precursors, and inhalable particulate matter, 10 micron (PM<sub>10</sub>). The new project features would involve one season of construction in 2020. Because the project itself is a non-motorized park expansion with spot locations requiring limited construction activities and equipment, it would be classified as a minor project in accordance with the City's General Plan findings. The adherence to standards and BMPs set forth by the City further illustrates the size and scope of construction activities that would result in unmitigated emissions less than the 25 pounds per day of NO<sub>x</sub>, 25 pounds per day of ROG, and 80 pounds per day of PM<sub>10</sub> Level "A" mitigation thresholds identified as part of the City's General Plan. The project would be consistent with the City's emission-reduction goals of 20 to 25 percent established in the Air Quality Element of the *General Plan*.

The proposed project would have no impact on air quality plans or policies. The project's cumulative contribution to criteria pollutants in a non-attainment area would be less than significant.

Potential impacts on neighboring homes and commercial businesses (sensitive receptors) due to construction-related fugitive dust would be temporary, localized, and minor. Project operation would have no impact on air quality experienced by sensitive receptors. Further, adherence with City specifications outlined in conservation measures and BMPs AQ-1 through AQ-5, above, would restrict emissions to below significant levels. There are no other sensitive receptors (e.g., hospitals, schools) in the immediate project vicinity. Therefore, any resulting impact would be less than significant.

- d) The project would not involve land use that could generate objectionable odors affecting a substantial number of people.

**Documentation**

- Shasta County APCD Air Quality Maintenance Plan and Implementing Measures
- City of Redding General Plan, Air Quality Element, 2000
- City of Redding General Plan Final Environmental Impact Report, 2000, SCH #1998072103, Chapter 8.6, Air Quality,
- CEQA Findings of Fact and Statement of Overriding Considerations for the City of Redding General Plan Final Environmental Impact Report, as adopted by the Redding City Council on October 3, 2000, by Resolution 2000-166
- California Air Resources Board. 2017. Area designations maps/state and national. <http://www.arb.ca.gov/desig/adm/adm.htm> (accessed July 19, 2019).

**Mitigation**

None necessary.

IV. BIOLOGICAL RESOURCES: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IV. BIOLOGICAL RESOURCES: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community, Conservation Plan, or other approved local, regional, or State habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) A Biological Resources Assessment Report (VESTRA 2019), including a habitat assessment survey for VELB and a biological reconnaissance survey, was prepared to assess the impacts of the proposed project on biological resources in the project area and vicinity. The database research and habitat assessment identified four special-status species with potential to occur in the project area.
- Bald Eagle (*Haliaeetus leucocephalus*)- federally listed as delisted, state listed as endangered, state listed as fully protected
  - Osprey (*Pandion haliaeetus*)- state watch list species/species of special concern
  - Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*)- federally listed as threatened
  - Silver-haired bat (*Lasionycteris noctivagans*)- state species of special concern

**Valley Elderberry Longhorn Beetle (VELB).** VELB is found exclusively on elderberry shrubs. Thus, protection of this beetle is based on protection of the elderberry shrub. USFWS has recently updated its guidance for assessing impacts on VELB in its *Framework for Assessing Impacts to the Valley Elderberry Longhorn Beetle* (U.S. Fish and Wildlife Service 2017). According to the USFWS’s new guidance, if elderberry shrubs occur on or within 165 feet of the project area, adverse effects to VELB may occur because of project implementation. The guidance also recommends maintaining a 20-foot avoidance buffer from all shrubs. VESTRA conducted a habitat assessment survey for elderberry shrubs occurring within 165 feet of proposed construction activities. Survey results revealed that no elderberry shrubs are located in the project vicinity; therefore, the project will have no impact on VELB.

**Migratory Birds and Raptors.** Construction activities would likely occur during the avian breeding season (generally February through August, depending on the species) and could disturb nesting birds in or adjacent to the project area. Construction-related disturbance could result in the incidental loss of fertile eggs or nestlings, or nest abandonment. Impacts could result from tree removal, noise from construction activities, as well as ground disturbance such as grubbing and grading.

Construction of the park expansion improvements and associated project features may result in the loss of up to ten oak and pine trees. Three oak trees between 10 and 18 inches diameter at breast height (DBH) will be removed for construction of the bike park, and up to seven trees between 1 and 9 inches DBH may be removed in various locations throughout the project area; however, abundant avian nesting and foraging habitat would be retained within the project area and similarly suitable habitat occurs in the project vicinity. Foraging birds and birds present in or adjacent to the project area would not be adversely impacted by construction activities due to their high mobility and available habitat outside of the project area. However, due to the proximity to potential nesting habitat, and potential for special-status raptors and migratory birds to occur in the project area, MM BIO-1 and MM BIO-2 will be used to ensure impacts on bird species are avoided or minimized by requiring pre-construction surveys and use of protection measures for any potential nests found to occur within the project area. The project's impact on migratory birds and raptors would be less than significant.

**Special-status bats.** Special-status bats may roost individually or in small groups in tree cavities. Due to the ability of individual bats to move away from disturbance, direct impacts on bats are not expected when the bats are not in a maternity colony. If a tree is removed that contains a maternity colony, the removal could result in mortality or injury of individuals. Indirect impacts may occur from construction disturbance if a maternity colony is present in or adjacent to the project area. Significant noise disturbance could result in adults temporarily or permanently leaving a maternity colony. Minor tree removal is proposed as part of the proposed project. MM BIO-3 and MM BIO-4 will be used to ensure project-related impacts on bats including adults, maternity colonies and pre-volant young would be less than significant.

Conservation measures and BMPs BIO-1, and HAZ-1 through HAZ-5 included in Section IX, Hazards and Hazardous Materials will be used to further protect wildlife species.

– **BIO-1.** Construction personnel will be required to participate in environmental awareness training prior to beginning work. The training will brief them on how to recognize common plant and wildlife species, and provide an overview of project ESA/avoidance areas.

- b) Two sensitive habitat types were identified in the project study area: Valley Oak Woodland and Valley Foothill Riparian /Great Valley Cottonwood Riparian.

**Valley Oak Woodland.** Although this habitat does not occur intact on-site, mature Valley oak trees in the park comprise the shade tree component of the urban habitat at Caldwell Park west. Dominant overstory species include Valley oak, interior live oak, and foothill pine. Caldwell Park east consists primarily of barren habitat and open grassland with a scattering of oak trees. The oak trees in this location are intermittent and do not provide an intact shade component. The project may impact up to ten oak and pine trees. Three trees between 10 and 18 inches DBH would be removed for construction of the bike park, and seven trees between 1 and 9 inches DBH may be removed in various locations throughout the project area. Native shading is a valued characteristic within Caldwell Park and tree trimming will occur whenever possible to avoid the removal of trees.

**Valley Foothill Riparian/Great Valley Cottonwood Riparian.** This habitat is concentrated south of the existing River Trail, which is outside of the proposed project area, however, two

stands of Valley foothill riparian were identified within the proposed bike park area. These stands are located on the west end of Caldwell Park east, next to the Market Street Bridge; and on the southwest side of Caldwell Park east, adjacent to the River Trail. While the stands of Valley foothill riparian are within the project study area, no work is proposed in these locations. The project design includes standard BMPs such as high visibility fence, flagging, or markers, which are used to delineate the work area and avoid disturbance in non-work areas. The project will have no impact on Valley foothill riparian.

The project's impact on sensitive natural communities would be less than significant.

– **BIO-2.** High visibility fencing, flagging, or markers will be installed along the edges of the work zone to prevent encroachment in the riparian and non-work areas.

The project design also includes the planting of approximately 60 native trees and shrubs within the project area. This includes approximately 20 plantings west of the Market Street Bridge and 40 plantings east of the Market Street Bridge. The project will result in a net gain in shaded area from native trees.

- c) Prior to field surveys, the USFWS National Wetland Inventory (NWI) database was used to identify Waters of the United States that may occur in the project vicinity. Waters of the United States shown in database included riverine and a freshwater pond. The riverine feature is the Sacramento River, which is outside of the project area. The freshwater pond, mapped in 1983, was shown as being located in Caldwell Park east and in the location of the existing River Trail.

An on-site assessment of the freshwater pond included a review of historic aerial imagery as well as a site survey to assess vegetation and hydrologic indicators. Historic aerial imagery of the site taken in 1940 was retrieved from the UC Santa Barbara Fairchild Aerial Surveys Collection, and imagery taken in 1998 (summer), 2005 (winter season), 2006 (spring season), and 2015 (spring season) were accessed via Google Earth. The photograph from 1940 shows an operating aggregate mine, including gravel pits and associated ponds, in the present-day location of the proposed bike park. Aerial imagery from 1998 and later shows that the aggregate operations ceased and the pond no longer exists on-site. The site assessment on August 6, 2019, revealed that vegetation and soil indicators for wetlands were absent from where the pond was mapped. These findings suggest that the hydrological function of the site has changed such that the pond no longer exists on-site. The pond is no longer supported onsite and no other Waters of the United States were identified within the project area. The project would have no impact on Waters of the United States.

- d) The project is located within an urban and open area north of the Sacramento River Trail. The Sacramento River and associated riparian corridor lies south of the project area. The riparian corridor ranges from 70 to 280 feet wide and contains heavy vegetation consisting of cottonwood, California sycamore, Valley oak, wild grape, wild rose, California blackberry, and willow. This corridor is outside of the project area and would not be impacted. The safety lighting at Caldwell Park east will be installed on the north side of the River Trail, less than 1.0 lux, downward facing (shielded), and directed at the area intended for illumination. The lighting will have no impact on wildlife travel or corridors. The project is outside of waterways, so it would have no impact on migratory fish. Species accustomed to the existing urban

environment would be able to move through the park areas as they currently do. Open park access will be maintained, with only spot locations requiring closure during construction. The project would have no impact on wildlife migratory and travel corridors.

- e-f) There is no Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan covering the proposed project area. The City has adopted a Tree Management Ordinance (Chapter 18.45 of the RMC) that promotes the conservation of mature, healthy trees in the design of new development. The ordinance also recognizes that the preservation of trees sometimes conflicts with necessary land-development requirements. There are no conflicts associated with the project that would prevent implementation of the Tree Preservation Ordinance or other resource protection ordinances. The project would have no impact on any habitat conservation plans.

### Documentation

- California Department of Fish and Wildlife: California Natural Diversity Database, 2019
- City of Redding General Plan, Natural Resources Element, 2000
- City of Redding Municipal Code, Chapter 18.45, Tree Management Ordinance
- Biological Resources Assessment, VESTRA Resources Inc., August 2019
- U.S. Fish and Wildlife Service, Framework for Assessing Impacts to the Valley Elderberry Longhorn Beetle. < [https://www.fws.gov/sacramento/documents/VELB\\_Framework.pdf](https://www.fws.gov/sacramento/documents/VELB_Framework.pdf)>. Accessed July 25, 2018.

### Mitigation

- MM BIO-1.** If vegetation removal or construction activities will occur during the nesting season for birds (February 1 through August 31), a qualified biologist shall conduct a pre-construction survey 7 days before construction activities begin. If nesting birds are found, CDFW will be notified and consulted. An appropriate buffer, as determined by CDFW and the qualified biologist, will be placed around the nest until the young have fledged.
- MM BIO-2.** If an active raptor nest is found, no construction activities shall occur within 250 feet of the nest unless a smaller buffer zone is approved by CDFW. Construction may resume once the young have left the nest or as approved by the qualified biologist and CDFW.
- MM BIO-3.** To the extent practicable, removal of large trees with cavities shall occur before bat maternity colonies form (i.e., prior to March 1) or after young are volant (i.e., after August 15).
- MM BIO-4.** If construction (including the removal of large trees) occurs during the bat non-volant season (March 1 through August 15), a qualified professional shall conduct a pre-construction survey of the BSA to locate maternity colonies and identify measures to protect colonies from disturbance. The pre-construction survey will be performed no more than 14 days prior to the implementation of construction activities (including staging and equipment access). If a maternity colony is located within or adjacent to

the BSA, a disturbance-free buffer shall be established by a qualified professional to ensure the colony is adequately protected from project activities.

V. CULTURAL RESOURCES: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Discussion

a-c) An Archaeological Survey Report was prepared for the project by Alta Archaeological Consulting. A record search was conducted and the study includes review of archaeological records that included 18 cultural resource studies that have been previously performed within a one-quarter mile radius of the project site. A total of ten cultural resources have been documented within a one-quarter radius of the project site, however, none have been previously identified within the project site. An archaeological field survey was conducted and resulted in discovery and documentation of four prehistoric artifacts.

The Native American Heritage Commission was contacted to request a review of the Sacred Land file for information on Native American cultural resources in the project area which returned a positive result. Therefore, it was recommended that the Redding Rancheria be contacted for input or concerns regarding the project. On August 7, 2019, the City of Redding Community Project Manager, Travis Menne, met with representatives of the Wintu Tribe of Northern California (WTNC) to discuss details of the project.

While the Archaeological Survey Report concludes that the project, as currently designed, is not anticipated to have an adverse effect on cultural resources, at the WTNC's request, the City has agreed to have monitors present during project construction. The following best management practices would be included as standard conditions of development: the

– **CR-1.** If previously unidentified cultural materials are unearthed during construction, it is City policy that work be halted in that area until a qualified archaeologist can assess the significance of the find.

– **CR-2.** If human remains are discovered during project activities, all activities near the find will be stopped and the Shasta County Sheriff-Coroner's Office shall be notified. If the coroner determines that the remains may be those of a Native American, the coroner will contact the Native American Heritage Commission (NAHC). Treatment of the remains shall be conducted

in accordance with further direction of the Shasta County-Coroner's Office or the NAHC, as appropriate.

**Documentation**

- Archaeological Survey Report, Alta Archaeological Consulting, September 9, 2019

**Mitigation**

None necessary.

VI. Energy: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) The project consists of non-motorized park expansion improvements in spot locations though out Caldwell Park. Construction will be short in duration and will not result in wasteful, inefficient, or unnecessary consumption of energy resources. Operation of new park features will not result in wasteful, inefficient, or unnecessary consumption of energy resources.
- b) The project will not conflict with any state or local plans for renewable energy or energy efficiency.

**Documentation**

- City of Redding General Plan, Air Quality Element, 2000
- California Long-Term Energy Efficiency Strategic Plan, 2011

**Mitigation**

None necessary.

<b>VII.GEOLOGY AND SOILS: Would the project:</b>	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: <ul style="list-style-type: none"> <li>i) Rupture of a known earthquake, fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publications 42.</li> <li>ii) Strong seismic ground shaking?</li> <li>iii) Seismic-related ground failure, including liquefaction?</li> <li>iv) Landslides?</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion

a,c,d) There are no Alquist-Priolo earthquake faults designated in the Redding area of Shasta County and there are no other documented earthquake faults in the immediate vicinity that pose a significant risk of rupture, ground shaking or otherwise unstable ground conditions.

Implementation of the proposed project would not increase the potential for ground shaking to occur. Other types of ground failure such as expansive soils and subsidence (the gradual settling or sinking of an area with little or no horizontal motion) are not considered to pose a

significant hazard within the proposed project area. The project site consists of well-drained, gravely-loam soils which have a low potential for liquefaction or ground failure to occur. The proposed project would not be expected to substantially result in adverse effects from liquefaction.

- b) The proposed project is within a landscaped park area with 90 percent turf (grass) cover, and within a flat open space area that sits approximately two feet lower in elevation than the berm on which the Sacramento River Trail was constructed; however, the project is subject to certain erosion-control requirements and BMPs mandated by existing City regulations which include:
- *City of Redding Grading Ordinance*. This ordinance requires preparation of an erosion and sediment control plan (ESCP) for projects within the City. The erosion and sediment control plan requires preparation and description of any BMPs that will be used during construction and post-construction, if needed.
  - *City of Redding Stormwater Quality Management and Discharge Control Ordinance*. This ordinance requires preparation of an ESCP for projects within the City. The objectives of the ESCP are to identify the sources of sediment and other pollutants that may affect water quality associated with stormwater discharges and to describe and ensure the implementation of BMPs to reduce those sources of sediment and other pollutants in stormwater discharges.

The potential for project implementation to result in substantial soil erosion or the loss of topsoil would be less than significant.

- e) The proposed project does not involve the use of septic tanks or alternative wastewater disposal.

### **Documentation**

- City of Redding. 2000-2020 General Plan. Health and Safety Element figures 4-1 (Ground Shaking Potential) and 4.2 (Liquefaction Potential)
- *City of Redding Grading Ordinance*, RMC Chapter 16.12
- City of Redding Standard Specifications, Grading Practices
- Natural Resources Conservation Service. 2018. Web soil survey. Shasta County Area, California. <http://websoilsurvey.nrcs.usda.gov/app/> cited July 25, 2019.
- State Regional Water Quality Control Board, Central Valley Region, Regulations related to Construction Activity Storm Water Permits and Storm Water Pollution Prevention Plans

### **Mitigation**

None necessary.

VIII. GREENHOUSE GAS EMISSIONS: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) The primary generators of GHG emissions in the United States are electricity generation and transportation. The EPA estimates that nearly 85 percent of the nation's GHG emissions are comprised of CO<sub>2</sub>. Most CO<sub>2</sub> emissions are generated by petroleum consumption associated with transportation and coal consumption, which is in turn associated with electricity generation. The remaining emissions are predominately the result of natural-gas consumption associated with a variety of uses.

Regarding the proposed project, the predominant associated GHG is CO<sub>2</sub> generated by motor-vehicle travel to and from the site. CARB has recommended the use of 10,000 metric tons of carbon dioxide equivalent per year (mtCO<sub>2</sub>-e/yr) as the de minimus gas emission threshold in its Climate Change Scoping Plan (approved January 9, 2009, updated May 22, 2014). According to California Air Pollution Control Officers Association's (CAPCOA), the 10,000 mtCO<sub>2</sub>-e/yr is equivalent to 550 dwelling units, 400,000 square feet of office use, 120,000 square feet of retail, or 70,000 square feet of supermarket use.

The proposed project emissions from construction activities would be substantially under the equivalent levels required for construction of these types of projects. Given the scope and nature of the proposed project compared to that of similar projects, emissions from the project would be significantly below the thresholds put forth by CARB, as well as the City's air-quality thresholds. Therefore, the project would not contribute significantly to GHG emissions in the air basin. Additionally, the City and State's construction standards and BMPs, including AQ-1 through -5 (listed in Section III, Air Quality, above), will be used during construction to further limit any potential contribution to negative impacts from GHG emissions. The project would have no direct or indirect impact on measurable GHGs in the Redding area.

- b) The project would not conflict with any applicable plans, policies, or regulations adopted to reduce GHG emissions. As noted in "a" above, and in Section III, the project is in conformance with the City's air quality policies and thresholds, and with state guidelines and regulations, and conservation measures and BMPs AQ-1 through AQ-5 listed in Section III Air Quality. The proposed project would have no impact on any applicable plans, policies, or regulations related to GHG emissions.

**Documentation**

- City of Redding General Plan, 2000
- URBEMIS (2007,v 9.2.4) Air Quality Computer Model Redding General Plan Air Quality Element, 2000
- CAPCOA website, 2010
- California Office of the Attorney General, The California Environmental Quality Act Addressing Global Warming Impacts at the Local Agency Level, updated January 6, 2010
- Shasta Air Quality Management District, [https://www.co.shasta.ca.us/index/drm\\_index/eq\\_index.aspx](https://www.co.shasta.ca.us/index/drm_index/eq_index.aspx). Accessed July 19, 2019.

**Mitigation**

None necessary.

<b>IX. HAZARDS AND HAZARDOUS MATERIALS:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>IX. HAZARDS AND HAZARDOUS MATERIALS:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

a,b,d)The nature and scope of the proposed project (park expansion improvements) would not present a significant risk related to hazardous materials or emissions. The project area is not on any lists of properties known to contain hazardous materials. Construction activities pose a slight risk for solvent or fuel spills or leaks. In compliance with the City of Redding Stormwater Quality and Discharge Control Ordinance an erosion and sediment control plan (ESCP) is required when obtaining a grading permit. Compliance under the ordinance would require use of the following standard conservation measures and BMPs to avoid or minimize the potential for accidental release of hazardous materials from spills or fuel leaks during project construction:

- **HAZ-1.** Hazardous materials, including fuels, oils, cement, and solvents will be stored and contained in an area protected from direct runoff and away from areas where they could enter waters of the United States.
- **HAZ-2.** Construction equipment will be inspected daily for leaks. Leaking fluids will be contained upon detection and equipment repairs will be made as soon as practicable or the leaking equipment will be moved off-site.
- **HAZ-3.** Secondary containment such as drip pans or absorbent materials shall be used to catch spills or leaks when removing or changing fluids. Secondary containment will be used for storage of all hazardous materials.
- **HAZ-4.** Spill containment and clean-up materials shall be kept on site at all times for use in the event of accidental spills.
- **HAZ-5.** Absorbent materials shall be used on small spills rather than hosing down or burying the spill. The absorbent material shall be promptly removed and properly disposed.

The potential for project construction and operation to create a hazard to the public or the environment through the accidental spill or pollutants would be less than significant.

- c) There are no existing or currently proposed schools within 0.25 mile of the project area. One school, Turtle Bay Elementary School, is located approximately 0.26 mile from the project area and would not be exposed to conditions that would be inconsistent with existing conditions (e.g., vehicle emissions and pollutants). There would be no impact on schools.
- e) The Benton Airpark is located approximately 1.5 miles southwest of the proposed project and provides commercial reliever support for the larger Redding Municipal Airport which is located

- e) The Benton Airpark is located approximately 1.5 miles southwest of the proposed project and provides commercial reliever support for the larger Redding Municipal Airport which is located further southeast in the City of Redding. However, the proposed project is outside of the airport influence area (AIA) and the limited airport use at the Benton Airpark would not result in a significant safety hazard for people residing or working in the project area. There would be no impact on air traffic.
- f) The project does not involve a use or activity that could interfere with emergency response or emergency evacuation plans for the area.
- g) The project site has a low fire hazard potential as the western portion of Caldwell Park is landscaped with grass. The eastern portion is primarily an open disturbed area with low growing grasses. Standard specifications require construction equipment to be equipped with spark arrestors to prevent the emission of flammable debris from engines, and water trucks are required to be on-site during earth disturbing activities. The potential to expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires is less than significant.

**Documentation**

- City of Redding General Plan, Health and Safety Element, 2000
- California Environmental Protection Agency, Cortese List, 2018
- California Department of Toxic Substances Control, Envirostor, 2018
- Caltrans, California Manual on Uniform Traffic Control Devices Standards, 2017
- Shasta County Airport Land Use Commission, Comprehensive Land Use Plan Map, 1981.

**Mitigation**

None necessary.

<b>X. HYDROLOGY AND WATER QUALITY:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>X. HYDROLOGY AND WATER QUALITY:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) result in substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a) The project would not involve any discharges of waste material into ground or surface waters. Construction and operation of the project would not violate any water quality standards or waste discharge requirements established by the Central Valley Regional Water Quality Control Board (RWQCB) in its Basin Plan for the Sacramento River and San Joaquin River Basins. Water pollution BMPs were incorporated into the project and are required. The City’s construction standards require that all projects prepare an erosion and sediment control plan (ESCP) prior to construction to address water pollution control. The ESCP will ensure that water quality standards are not substantially affected by the project during construction. In addition to the ESCP and conservation measures HAZ-1 through HAZ-5, the following conservation measures have been incorporated into the project.

- **WQ-1.** All construction work and stockpiling of materials will be confined to the project disturbance area.
- **WQ-2.** Temporary stockpiling of excavated or imported material shall be placed in upland areas.

- **WQ-3.** Excess soil shall be used on-site or disposed of at a regional landfill or other appropriate facility.

The proposed project would have a less-than-significant impact on water quality.

- b-e) The proposed project would use City water service for domestic and construction uses, and fire protection. The proposed project would not impact groundwater supplies and is not located in a tsunami or seiche zone. The project would not conflict with a water quality control plan or groundwater management plan.

A Floodplain Encroachment Assessment (Pacific Hydrologic, 2019) was prepared to evaluate potential impacts to the Federal Emergency Management Agency (FEMA) regulatory 100-year floodplain and designated floodway. The project and associated improvements are not within the designated floodway; however, the FEMA floodplain extends within areas of Caldwell Park where improvements are anticipated. Proposed improvements within the floodplain include the addition of a public art feature, reconstruction of an existing access road, a path connecting the access road to the River Trail, and addition of light standards along the River Trail. The access road reconstruction and connecting pathway are at grade and do not constitute a new encroachment within the FEMA floodplain. The new light standards were found to sit at a ground elevation above the FEMA Base Flood water surface, and as such they are outside of the FEMA floodplain. The proposed 5-foot-wide and 5-foot-tall public art feature was analyzed, and has the potential to increase the Base Flood water-surface elevations by 0.008 foot. This potential increase is negligible, would not obstruct or impede flood flows, and does not have the potential to alter the floodplain. The art feature is considered a new encroachment within the FEMA floodplain and Use Permit will be required.

Although construction activities could temporarily alter the existing drainage patterns in the project area, these activities would not result in substantial erosion, surface runoff, flooding on or off-site, or otherwise substantially degrade water quality. Minor increases in impervious surfaces resulting from the new spot location features would not create runoff that would exceed the capacity of existing or planned stormwater drainage systems. The proposed improvements are located in areas that are surrounded by pervious vegetated surfaces that allow infiltration and natural stormwater treatment. The project would have a less than significant impact on drainage patterns in the project area.

### **Documentation**

- City of Redding 2000-2020 General Plan. Health and Safety Element 2000.
- City of Redding Storm Drain Master Plan, Montgomery-Watson Engineers 1993.
- Federal Emergency Management Agency (FEMA), Floodplain regulations, FIRM Map 06089C1539G, March 17, 2011.
- Central Valley RWQCB, The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board Central Valley Region, 4th edition, Revised July 2016.
- Floodplain Encroachment Assessment, Pacific Hydrologic Incorporated, August 2019.

**Mitigation**

None necessary.

<b>XI. LAND USE AND PLANNING:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) The project does not have the potential to physically divide an established community.
- b) The project site has a General Plan designation of “Park” and a zoning designation of “PF-FP” Public Facilities with Floodplain Combining District and the project is compatible with the applicable policies and regulations of the City’s General Plan and Zoning Ordinance. The proposed project would not conflict with any land use plan, policy, or regulation.

**Documentation**

- City of Redding General Plan, Community Development Element, 2000
- City of Redding General Plan, Natural Resources Element, 2000

**Mitigation**

None necessary.

<b>XII. MINERAL RESOURCES:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Result in the loss of availability of a known mineral resource classified MRZ-2 by the State Geologist that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a,b) The project area is not identified in the General Plan as having any known mineral-resource value or as being located within any critical mineral resource overlay area. No impact would occur.

**Documentation**

- City of Redding General Plan, Natural Resources Element, 2000
- California Geological Survey, Aggregate Sustainability in California prepared by J. Clinkenbeard, 2012

**Mitigation**

None necessary.

XIII. NOISE: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public-use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a-c) The project area is located within City-owned property. Sources of ambient noise in the project area comes from vehicle traffic on State Route 273/Market Street, the nearby railroad, and recreationists using the existing trail system and park. The proposed project is not capacity increasing and operation would not generate increases in ambient noise levels in excess of general plan or ordinance standards. Recreational uses of the new park amenities are limited to non-motorized activities, consistent with the existing park and trail system in which it would be constructed.

permanent or long-term noise impacts would occur because of the project. Temporary construction noise impacts would be less than significant.

Benton Airpark is located approximately 1.5 miles from the proposed project location. Residents and businesses are not exposed to noise generated by airport operations because of topography, vegetation, and distance; therefore, implementation of the proposed project would have no cumulative noise impact on residents or businesses near the project area.

**Documentation**

- City of Redding General Plan, Noise Element, 2000
- City of Redding General Plan, Transportation Element, 2000
- City of Redding Zoning Ordinance, Section 18.40.100, *Noise Standards*
- Shasta County Airport Land Use Commission, Comprehensive Land Use Plan Map, 1981

**Mitigation**

None necessary.

XIV. POPULATION AND HOUSING: Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than- Significant with Mitigation Incorporated</i>	<i>Less-Than- Significant Impact</i>	<i>No Impact</i>
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a,b) The proposed project would improve recreational opportunities within an existing park area and would not induce population growth. Caldwell Park is located in a fully built-out area, with existing roadways, homes, and businesses. The project does not propose transportation improvements and will not increase roadway vehicle capacity. Because the proposed project would occur within City-owned land, there would be no displacement of persons or housing and it would not create the need for housing elsewhere.

**Documentation**

- City of Redding General Plan, Housing Element, 2014
- City of Redding General Plan, Transportation Element, 2002

**Documentation**

- City of Redding General Plan, Housing Element 2014
- City of Redding General Plan, Transportation Element, 2002

**Mitigation**

None necessary.

<b>XV. PUBLIC SERVICES:</b> Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Fire Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a-e) The proposed project would not cause substantial adverse physical impacts on government facilities or negatively affect public services. Emergency services, including fire and police, would not be impacted during construction. Similarly, access to schools, parks and other public facilities would not be affected. The project would not create the need to alter or create new facilities of any type. The proposed project would have no temporary or permanent impact on public services or government facilities.

**Documentation**

- City of Redding General Plan, Public Facilities Element, 2000

**Mitigation**

None necessary.

<b>XVI. RECREATION:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion**

a,b) The proposed project includes new recreational facilities and ADA compliant features in an existing park. The 70-acre park is located in a disadvantaged community area and the proposed expansion improvements will provide a variety of new options for recreation, health, and fitness. Because of the generally low impact of recreation, new and existing facilities are not anticipated to deteriorate at an accelerated rate; rather, the new facilities would further disperse use and alleviate the potential for overuse of any one part of the City’s recreational facilities. The proposed project would benefit the community and have a less than significant impact on recreational facilities in Redding.

**Documentation**

- City of Redding General Plan, Recreation Element, 2000
- City of Redding General Plan, Public Facilities Element, 2000

**Mitigation**

None necessary.

<b>XVII. TRANSPORTATION:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>XVII. TRANSPORTATION:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
c) Substantially increase hazards to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a-e) The project will enhance recreational opportunities through park expansion improvements, and does not propose roadway improvement or roadway expansion. The project will not conflict with a program, plan, ordinance, or policy addressing the circulation system. The project will not conflict with CEQA guidelines section 15064.3(b). It will not increase roadway hazards or increase incompatible uses. The project will have no impact on emergency access or the transportation system.

**Documentation**

- City of Redding General Plan, Transportation Element, 2000
- City of Redding Traffic Impact Analysis Guidelines, 2009
- City of Redding Parks, Trails, and Open Space Master Plan, 2018

**Mitigation**

None necessary.

<b>XVIII. TRIBAL CULTURAL RESOURCES:</b> Would the project: cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>XVIII. TRIBAL CULTURAL RESOURCES:</b> Would the project: cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a,b) In accordance with Assembly Bill 52 (AB 52), the City consulted with the NAHC and local Native American groups and individuals pursuant to Section 21080.3 of CEQA. This consultation included contacting the local Native American individuals identified by the NAHC via letters sent on July 16, 2019, follow-up phone calls and/or emails, and conducting a joint field review. No tribal cultural resources were identified within the project area and the proposed project construction would therefore, not cause a substantial adverse change in the significance of any known tribal cultural resources.

**Documentation**

- Cultural Resources Inventory Report, prepared by Alta Archaeological Consulting, 2019

**Mitigation**

None necessary.

<b>XIX. UTILITIES AND SERVICE SYSTEMS:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>XIX. UTILITIES AND SERVICE SYSTEMS:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

a-e) The proposed project is a recreational improvement project. The existing utility infrastructure within the park would be used for the improvements (water, wastewater, electricity, stormwater, solid waste). The improvements would not require new or expanded facilities and would not exceed the available capacity. Sufficient water supplies are available to serve the project. Construction and operation of the project would not generate excess solid waste, impair reduction goals, and would comply with statutes and regulations related to solid waste.

**Documentation**

- City of Redding General Plan, Public Facilities Elements, 2000
- CalRecycle Facility Operations, West Central Landfill, 2018

**Mitigation**

None necessary.

<b>XX. WILDFIRE:</b> If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) The project is not located in a high fire severity zone, and would not impair an emergency response plan or emergency evacuation plan.
- b) The project is located on a flat terrace adjacent to the Sacramento River and would not exacerbate wildfire risks or expose project occupants to pollutant concentrations.
- c) The project would not require the installation or maintenance of associated infrastructure that could exacerbate wildfire risks.
- d) The project would not expose people or structures to downstream flooding or landslides.

**Documentation**

- CalFire, Office of the State Fire Marshal, Fire Hazard Severity Zone Maps, Shasta County

**Mitigation**

None necessary.

<b>XXI. MANDATORY FINDINGS OF SIGNIFICANCE:</b> Would the project:	<i>Potentially Significant Impact</i>	<i>Less-Than-Significant with Mitigation Incorporated</i>	<i>Less-Than-Significant Impact</i>	<i>No Impact</i>
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below the self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Does the project have potential environmental effects which may cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

- a) The proposed project would have minimal potential to degrade the quality of the environment, affect wildlife populations or their habitats, or reduce the number or restrict the range of rare or endangered plant and animal species. Although special-status wildlife species, including migratory birds and raptors, may be impacted by implementation of the proposed project, standard conservation measures and BMPs, as well as mitigation measures, will be used to avoid adverse impacts on these species. Implementation of the proposed project would not eliminate examples of history or prehistory.
- b) As described in Section III, the proposed project could temporarily contribute to region-wide cumulative air quality impacts. However, these impacts would be considered less than significant and under policy of the City’s General Plan, and application of standard BMPs would eliminate the potential for air quality impacts during project implementation. The project’s potential cumulative impacts would be less than significant.
- c) As discussed in this document, the proposed project does not include any activities that cannot be mitigated to a less-than-significant level or that could otherwise cause substantial adverse impacts on human beings, either directly or indirectly.

**Documentation**

- See all sections above.

**Mitigation**

**MM BIO-1.** If vegetation removal or construction activities will occur during the nesting season for birds (February 1 through August 31), a qualified biologist shall conduct a pre-construction survey 7 days before construction activities begin. If nesting birds are found, CDFW will be notified and consulted. An appropriate buffer, as determined by CDFW and the qualified biologist, will be placed around the nest until the young have fledged.

**MM BIO-2.** If an active raptor nest is found, no construction activities shall occur within 250 feet of the nest unless a smaller buffer zone is approved by CDFW. Construction may resume once the young have left the nest or as approved by the qualified biologist and CDFW.

**MM BIO-3.** To the extent practicable, removal of large trees with cavities shall occur before bat maternity colonies form (i.e., prior to March 1) or after young are volant (i.e., after August 15).

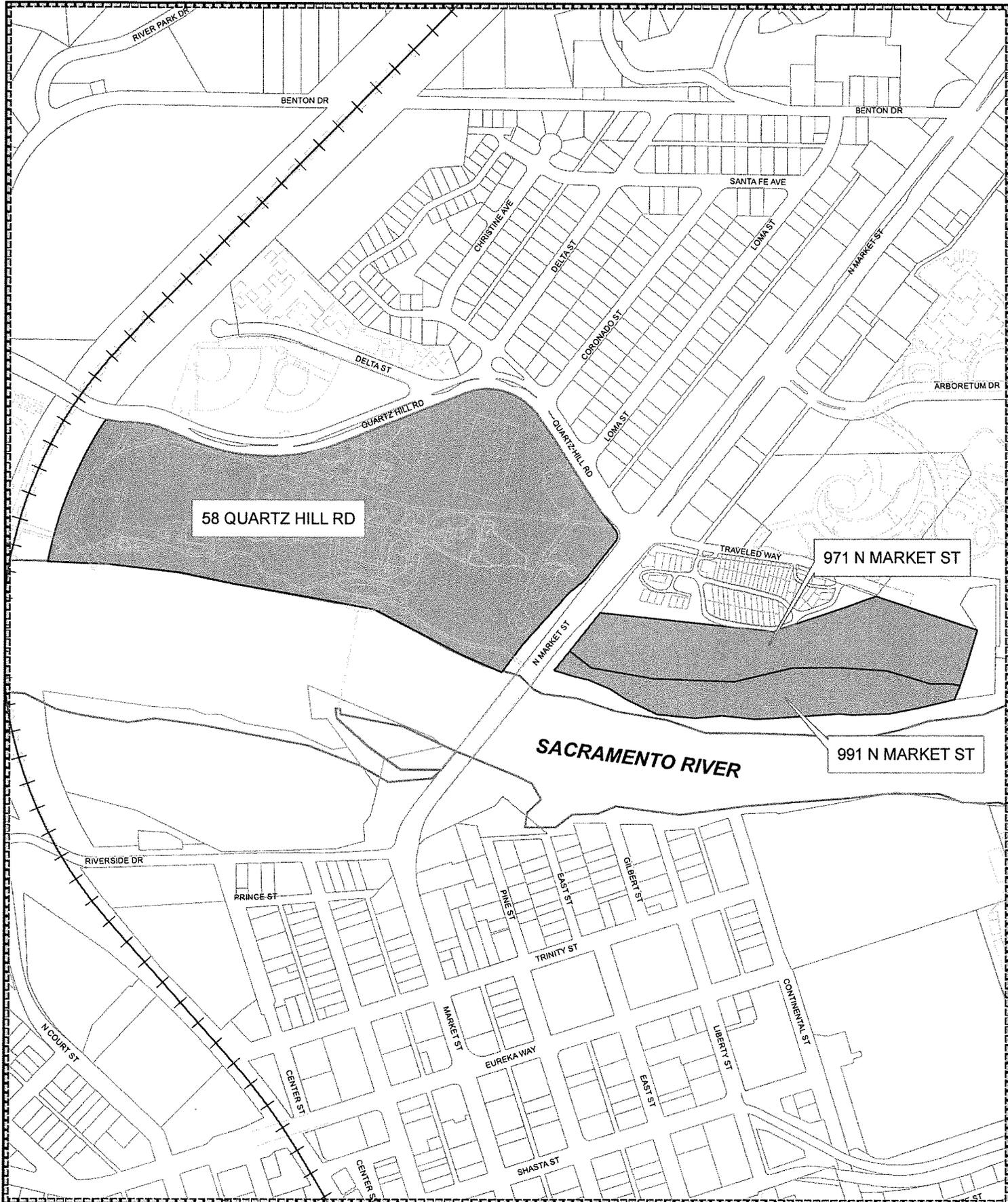
**MM BIO-4.** If construction (including the removal of large trees) occurs during the bat non-volant season (March 1 through August 15), a qualified professional shall conduct a pre-construction survey of the BSA to locate maternity colonies and identify measures to protect colonies from disturbance. The pre-construction survey will be performed no more than 14 days prior to the implementation of construction activities (including staging and equipment access). If a maternity colony is located within or adjacent to the BSA, a disturbance-free buffer shall be established by a qualified professional to ensure the colony is adequately protected from project activities.

## **ATTACHMENT A**

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**Figure 1 – Project Location Map**

**Figure 2 – Project Site Plan**



	<b>GIS DIVISION</b> INFORMATION TECHNOLOGY DEPARTMENT	<b>LOCATION MAP</b>  UP-2019-01782 CITY OF REDDING 971, 991 NORTH MARKET ST & 58 QUARTZ HILL RD AP# 112-300-005, -006 & 112-140-006	MTG. DATE:
	DATE PRODUCED: OCTOBER 28, 2019		ITEM:
			ATTACHMENT:
<small>P:\Planning\Pro Projects\UP\UP-2019-01782.aprx</small>			