



CITY OF REDDING

777 Cypress Avenue, Redding, CA 96001
PO BOX 496071, Redding, CA 96049-6071
cityofredding.org

**Public Works
Engineering Division**
530.225.4170
530.245.7024

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR THE MAGNUMS AREA REMOTE SEWER PROJECT

Notice is hereby given that the public is invited to review and comment on the Initial Study (IS) and proposed Mitigated Negative Declaration (MND), pursuant to the California Environmental Quality Act (CEQA), for the proposed Magnums Area Remote Sewer Project (project). The proposed Mitigated Negative Declaration does not signify approval or disapproval of this project. The City of Redding will consider the proposed Mitigated Negative Declaration together with any comments received during the public review process to determine whether the proposed project should be approved as proposed, if additional studies are required, or if the project should be deferred.

The project is in northwestern Redding, Shasta County, California. The project site is located The project would span approximately 5,060-feet long across multiple locations, from Mishka Ct., Greenback Ln., Calexico Dr., Dickson Dr., E. Keswick Dam Rd., Lake Blvd., Shamrock St., sections along the back sections of Magnums Way and Guinevere Ct. and along portions of the railroad. The project sites are located in the Redding Quadrangle at Township 32N, Range 5W, Section 13, 14, 23, 24 (latitude 40.624268, longitude -122.399486° at the approximate center point of the project sites).

The purpose of the project is to replace existing sewer lines to address deterioration due to age, lines which require a high level of maintenance, and/or lines which are undersized. The project would require trenching, sub-surface pipe bursting, vegetation removal, utility relocation, paving, sign installation, and striping. Work will include vegetation removal, excavation, sediment removal, vegetation planting, and hydro-seed application. Work will primarily occur on City property or within easements. Construction is anticipated to approximately one year for completion.

The comment period on the IS/MND commences on August 1, 2025 and will end on September 1, 2025. Comments must be in writing and will be accepted until 5 p.m. on September 1, 2025. Comments may be sent to Tiffany Durette, Associate Environmental Specialist, 777 Cypress Avenue, Redding, CA 96001, or via email to tdurette@cityofredding.org.

The Initial Study and Mitigated Negative Declaration are available for review online at <http://www.cityofredding.org/departments/public-works/environmental-management>, and available for review or purchase at the City of Redding Public Works Department, 777 Cypress Avenue, Redding, California.



MITIGATED NEGATIVE DECLARATION

MAGNUMS AREA REMOTE SEWER PROJECT (STATE CLEARINGHOUSE NO. 2025-XXXX)

SUBJECT

Magnums Area Remote Sewer Project

PROJECT DESCRIPTION

The City of Redding (City) is proposing the Magnums Area Remote Sewer Project in the City of Redding, Shasta County, California. The purpose of the project is to replace existing sewer lines to address deterioration due to age, lines which require a high level of maintenance, and/or lines which are undersized. The project would require trenching, sub-surface pipe bursting, vegetation removal, utility relocation, paving, sign installation, and striping.

The project would span approximately 5,060-feet long across multiple locations, from Mishka Ct., Greenback Ln., Calexico Dr., Dickson Dr., E. Keswick Dam Rd., Lake Blvd., Shamrock St., sections along the back sections of Magnums Way and Guinevere Ct. and along portions of the railroad. The project would cross Boulder Creek in approximately 4 separate sections and will parallel the stream closely in a few others. The sub-surface pipe bursting method will be used to minimize stream impacts in these locations. This method will require an excavated pit on each end of the sewer line. Each excavated pit will be approximately 6-feet wide, 10-feet long, and have an excavation depth ranging from 6 to 12 feet. The new sewer pipe will be placed in the pit and fed into the existing pipe replacing it in its original alignment. The new pipes will be connected to manholes at each end, and the pits will be backfilled with slurry and native material. The old siphon pipes, the removed manhole material, and the excavated earthen material would be taken to a landfill. Construction is expected to require one construction season (July 1 through October 31) beginning in summer 2026.

ENVIRONMENTAL SETTING

The project area is centered on Boulder Creek, an intermittent stream, in a residential neighborhood. Valley foothill riparian habitat occurs along Boulder Creek through most of the study area. Work would be primarily located within existing easement areas and City owned property zoned open space.

FINDINGS AND DETERMINATION

The City of Redding conducted an Initial Study (attached) that determined that the proposed project could have significant environmental effects on biological resources. Implementation of specific mitigation measures identified below will avoid or mitigate the potentially significant environmental effects identified, and the preparation of an environmental impact report will not be required. If there are substantial changes that alter the character or impacts of the proposed project, another environmental impact determination will be necessary.

Prior to approval of the project, the lead agency may conclude, at a public hearing, that certain mitigation measures identified in the Mitigated Negative Declaration are infeasible or undesirable. In accordance

with California Environmental Quality Act (CEQA) Section 15074.1, the lead agency may delete those mitigation measures and substitute other measures that it determines are equivalent or more effective. The lead agency would adopt written findings that the new measure(s) is(are) equivalent or more effective in mitigating or avoiding potential significant effects and that it would not cause any potentially significant effect on the environment.

- 1) Based on the whole record (including the Initial Study and any supporting documentation) and the mitigation measures incorporated into the project, the City of Redding has determined that there is no substantial evidence that the project will have a significant effect on the environment.
- 2) The Mitigated Negative Declaration, with its supporting documentation, reflects the independent judgment and analysis of the lead agency, which is the City of Redding.

DOCUMENTATION

The attached Initial Study documents the reasons to support the above determination.

MITIGATION MEASURES

The following mitigation measures will be incorporated into the project to minimize potential effects on biological resources:

- **MM-1.** Environmental awareness training for construction personnel will be conducted by a qualified biologist prior to onset of work to brief them on how to recognize and avoid impacts to all applicable species.
- **MM-2.** A qualified biologist will conduct at least one survey within suitable aquatic and upland habitat for northwestern pond turtles and their nests within one week of construction activities.
- **MM-3.** If northwestern pond turtles or their nests are encountered in the work area during construction and could be harmed by construction activities, work will stop in the area. Individual turtles will be allowed to move away from the study area on their own accord. If a northwestern pond turtle nest is found, a qualified biologist (in consultation with CDFW and USFWS) will determine the extent of a construction-free buffer zone to be established around the nest.
- **MM-4.** If western spadefoot toads are encountered anytime during construction, project activities will cease in the immediate vicinity until the toads move to a new location (out of harm's way) without human interference. Should relocation activity become necessary, consultation will be re-initiated with USFWS.
- **MM-5.** Prior to moving equipment or materials each day, construction personnel shall inspect underneath and around equipment, other project materials (e.g., stored pipes greater than 2 inches in diameter), and trenches located within 200 feet of aquatic habitat for western spadefoot toads.
- **MM-6.** For work conducted during the western spadefoot toad migration and breeding season (November 1 to May 31), a qualified biologist will survey the active work areas (including access roads) in mornings following measurable precipitation events. Construction may

commence once the biologist has confirmed that no spadefoot toads are in the work area.

- **MM-7.** To the extent practicable, removal of brush will occur outside of the maternal denning period (i.e., July 1 through April 30) for ringtail cat. If vegetation removal is to occur during the maternal denning period (May 1 through June 30), a qualified biologist will conduct a pre-construction survey of the study area to locate maternity dens and identify measures to protect those maternity dens from disturbance. The pre-construction survey will be performed no more than seven days prior to the vegetation removal.
- **MM-8.** If construction or vegetation removal occurs during the nesting season, February 1 through August 31 for birds and November 1 through July 15 for raptors, a qualified biologist shall conduct a preconstruction survey to locate active nests. The pre-construction survey will be performed no more than 7 days prior to the implementation of construction activities. If a lapse in construction activities occurs for 7 days or longer, another pre-construction survey will be performed. If an active nest is found, a qualified biologist (in consultation with the CDFW) will determine the extent of a buffer zone to be established around the nest.

PUBLIC REVIEW DISTRIBUTION

Draft copies or notice of this Mitigated Negative Declaration were distributed to:

- State Clearinghouse
- Shasta County Clerk
- California Department of Fish and Wildlife District 1
- Central Valley Regional Water Quality Control Board
- California Native Plant Society
- Native American Heritage Commission
- State Office of Historic Preservation
- All property owners within 300 feet of the property boundary

PUBLIC REVIEW

(X) Draft document referred for comments August 1, 2025 – September 1, 2025
Date

() No comments were received during the public review period.

() Comments were received but did not address the draft Mitigated Negative Declaration findings or the accuracy/completeness of the Initial Study. No response is necessary. The letters are attached.

() Comments addressing the findings of the draft Mitigated Negative Declaration and/or accuracy or completeness of the Initial Study were received during the public review period. The letters and responses follow (see Attachment D, Response to Comments).

Copies of the Mitigated Negative Declaration, the Initial Study, documentation materials, and the Mitigation Monitoring Program may be obtained at the Public Works Department, Engineering Division, City of Redding, 777 Cypress Avenue, Redding, CA 96001. Contact: Tiffany Durette, Associate Environmental Specialist, (530) 225-4171 or tlightle@cityofredding.org.

Date of
Draft Report: August 1, 2025

By: 
Name/ Title: Tiffany Durette
Associate Environmental Specialist

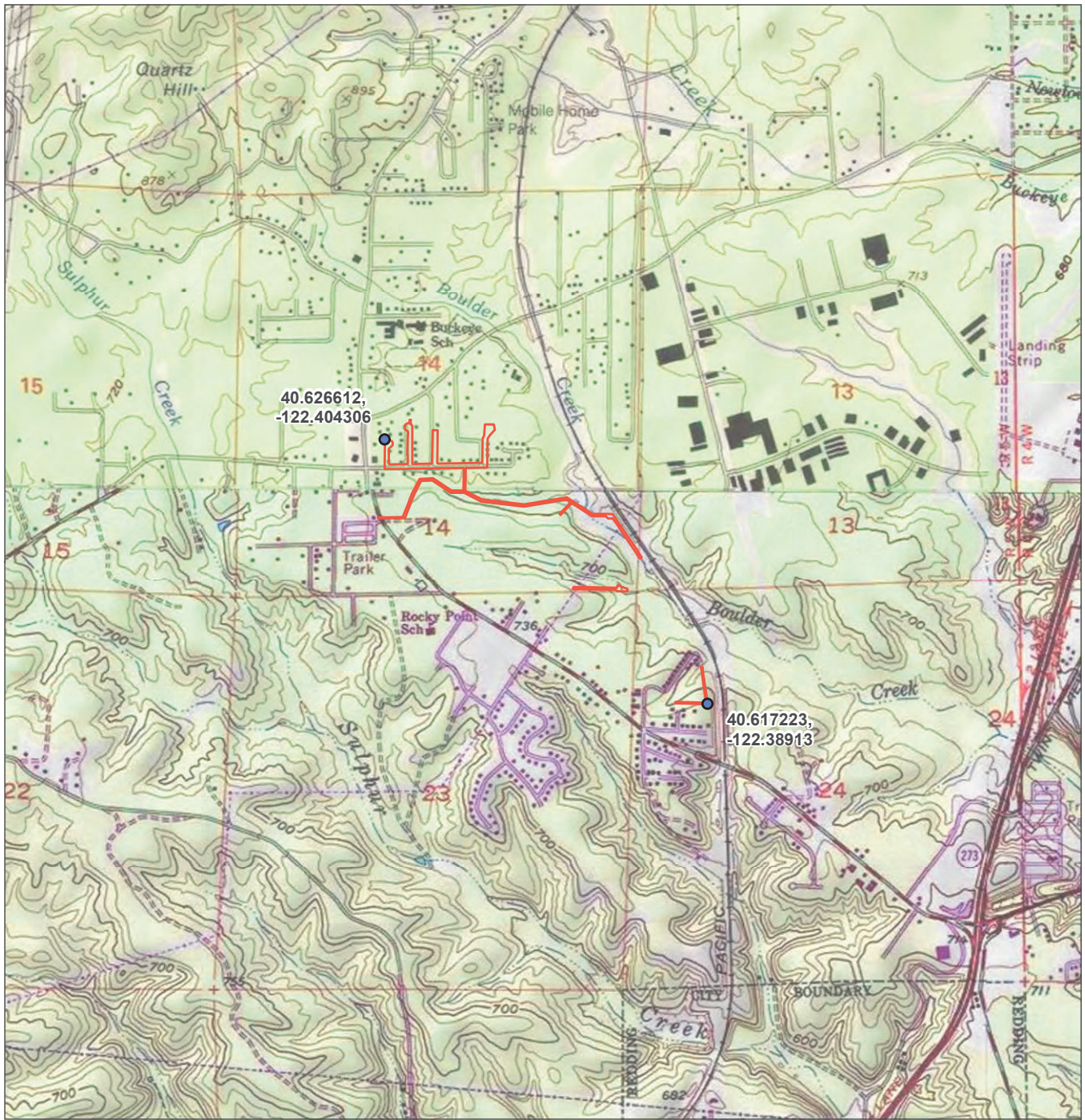
Date of
Final Report: _____

Attachments:

- A. Project Location Map
- B. Initial Study
- C. Mitigation Monitoring and Environmental Commitment Program
- D. Comments and Response to Comments (if any)

ATTACHMENT A

Project Location Map



- Notes**
1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
 2. Base map: Esri USA Topo Maps
 3. Public Land Survey: T 32N, R 05W, Sec. 13, 14, 23, 24

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

- Map Reference Point
□ Study Area (8.66 acres)

0 2,000 Feet
1 inch = 2,000 feet (At page size of 8.5"x11")



Project Location
Shasta County, California
USGS Shasta Dam; Redding
PLSS: T32N R05W S13, 14, 23, 24

185706839
Prepared by TM on 2025-05-06
Reviewed by SS on 2025-05-06

Client/Project
City of Redding
Magnums Area Remote Sewer Project

Figure No.
1

Title
Project Location

ATTACHMENT B

Initial Study

CALIFORNIA ENVIRONMENTAL QUALITY ACT

INITIAL STUDY

Magnums Area Remote Sewer Project
State Clearinghouse No. 2025xxxxxx



Prepared by:

CITY OF REDDING
Public Works Department
777 Cypress Avenue
Redding, California 96001

July 2025

City of Redding

CEQA Environmental Checklist

1. Project Title: Magnums Area Remote Sewer Project (proposed project)

2. Lead agency name and address:

City of Redding
777 Cypress Avenue
Redding, CA 96001

3. Contact person and Phone number: Tiffany Durette, Associate Environmental Specialist,
(530) 225-4171

4. Applicant's Name and Address:

City of Redding
Public Works Department
777 Cypress Avenue
Redding, CA 96001

5. Project Location:

The proposed project is in the city of Redding (City), Shasta County, California. The proposed project area includes approximately 8.27 acres and consists of Boulder Creek between Oasis Road and Magnums Way in Redding, Shasta County, California. It is shown on the Shasta Dam and Redding 7.5-minute U.S. Geological Survey quadrangles in Township 32N, Range 5W, Section 13, 14, 23, 24. The approximate center of the study area is located at latitude 40.624268, longitude -122.399486 (Datum WGS 84). (See Attachment A, Figure 1 – Project Location.).

6. General plan description:

- Greenway (GWY)
- Residential – 3.5 to 6 Dwelling Units Per Acre (3.5 to 6)
- Residential – 6 to 10 Dwelling Units Per Acre (6 to 10)
- Residential – 3.5 to 6 Dwelling Units Per Acre (3.5 to 6)
- Residential – 10 to 20 Dwelling Units Per Acre (10 to 20)

7. Zoning:

- Residential Single Family 3.5 Units Per Acre (RS-3.5)
- Residential Single Family 6 Units Per Acre (RM-6)
- Residential Single Family 12 Units Per Acre (RM-12)
- Open Space (OS)

8. Description of project:

The purpose of the project is to replace existing sewer lines to address deterioration due to age, lines which require a high level of maintenance, and/or lines which are undersized. The project would require trenching, sub-surface pipe bursting, vegetation removal, utility relocation, paving, sign installation, and striping.

The project would span approximately 5,060-feet long across multiple locations, from Mishka Ct., Greenback Ln., Calexico Dr., Dickson Dr., E. Keswick Dam Rd., Lake Blvd., Shamrock St., sections along the back sections of Magnums Way and Guinevere Ct. and along portions of the railroad. The project is bordered by a mix of commercial, residential, and undeveloped properties. The project would cross Boulder Creek in approximately 4 separate sections and will parallel the stream closely in a few others. The sub-surface pipe bursting method will be used to minimize stream impacts in these locations. This method will require an excavated pit on each end of the sewer line. Each excavated pit will be approximately 6-feet wide, 10-feet long, and have an excavation depth ranging from 6 to 12 feet. The new sewer pipe will be placed in the pit and fed into the existing pipe replacing it in its original alignment. The new pipes will be connected to manholes at each end, and the pits will be backfilled with slurry and native material. The contractor would maintain wastewater flows served by the pipelines being replaced by creating a temporary bypass that is sufficient to safely convey flows until the new pipelines are pressure tested and operational. The bypass would consist of a pump and a hose or pipe connected to a manhole on each side of the creek. Constant monitoring of the bypass pumping would be used to avoid accidental spills or sewage backups.

Excavated materials (i.e., soil and rock) would be temporarily stockpiled in adjacent uplands. Excavated areas would be backfilled and restored to pre-project contours consistent with the adjacent area. Because excavation would occur in existing wastewater alignment, areas temporarily disturbed by project implementation would be revegetated using a native erosion control seed mix. Any vegetation temporarily impacted by the project would be allowed to grow through natural regeneration after the project is complete.

Debris, including the old pipe, would be disposed of at a landfill. If the old pipe is found to contain potentially hazardous materials, such as asbestos or lead, it would be disposed at a suitable certified hazardous waste landfill facility.

The majority of work would occur within City right-of-way and utility easement areas; however, temporary permits to enter and construct on adjacent private lands may be needed to conform driveways, replace/relocate utilities, or modify drainage. Permanent right-of-way acquisition would not be required. The proposed project design is shown on Attachment A, Figure 2 – Project Design Features. Staging areas will occur within City right-of-way and on City property, and one-way traffic control will be required for work near roadways. Construction material will be disposed of at the City of Redding Transfer Station or at the City landfill, where appropriate.

9. Surrounding land uses and setting:

The project is located in northwestern Redding, east of Lake Boulevard with main access points off of E. Keswick Dam Road and Magnums Way. Work would be primarily located within existing easement areas and City owned property zoned open space. The project area is bordered by a mix of commercial, residential, and undeveloped properties.

10. Other public agencies whose approval is required (e.g. permits, financial approval, or participation agreements):

- California Department of Fish and Wildlife (CDFW)
- California Regional Water Quality Control Board (RWQCB)
- U.S. Army Corps of Engineers (USACE)

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code (PRC) 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 and the Wintu Tribe of Northern California on June 10, 2025, 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, involving at least one impact that is a “Potentially Significant Impact” or “Less than Significant with Mitigation Incorporated” as indicated by the checklist on the following pages.

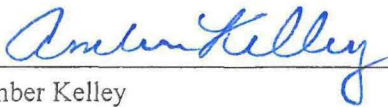
- | | |
|--|--|
| ☐ Aesthetics | ☐ Agriculture and Forestry |
| ☐ Air Quality | ☒ Biological Resources |
| ☐ Cultural Resources | ☐ Energy |
| ☐ Geology/Soils | ☐ Greenhouse Gas Emissions |
| ☐ Hazards and Hazardous Materials | ☐ Hydrology/Water Quality |
| ☐ Land Use/Planning | ☐ Mineral Resources |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

DETERMINATION

On the basis of this 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 or 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 Engineering Division of the Public Works Department, 777 Cypress Avenue, Redding, CA 96001. Contact Tiffany Durette at (530) 225-4171 or tdurette@cityofredding.org.



Amber Kelley
Environmental Compliance Manager
Public Works Engineering

7-31-2025
Date

EVALUATION OF ENVIRONMENTAL IMPACTS

This section analyzes the potential environmental impacts associated with the proposed project. The environmental analysis in this section is patterned after the Initial Study Checklist recommended by the State of California's *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 analyze the development's impacts more fully 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.
- **Less-Than- Significant with Mitigation Incorporated.** The development will have the potential to generate impacts which may be considered as a significant effect on the environment; however, 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 area:

- City of Redding General Plan 2045
- City of Redding General Plan Final Environmental Impact Report, 2024, SCH # 2022050300

List of Attachments/References

Attachment A:

Figure 1 – Project Location

Figure 2 – Project Design Features

Appendix A: Biological Resources Assessment, Stantec Consulting Services, Inc. May 2025* Appendix B: Delineation of Potential Waters of the United States, Stantec Consulting Services, Inc. May 2025*

Appendix C: Confidential Cultural Resources Investigation, Stantec Consulting Services, Inc. May 2025*

*Appendices are on file in the Public Works, Engineering Division

I. AESTHETICS

Except as provided in Public Resources Code Section 21099, would the project:

Question	CEQA Determination
a) Have a substantial adverse effect on a scenic vista?	No Impact
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	No Impact
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a 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?	No Impact
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	No Impact

Discussion

- a) **No Impact.** The Project would not represent a significant change to the overall scenic quality of the area. Furthermore, no designated state scenic vistas or highways are within or near the Project area (Caltrans 2025); therefore, no impact would occur.
- b) **No Impact.** No designated state scenic vistas or highways are within or near the Project area (Caltrans 2025); therefore, no scenic resources within a state scenic highway would be damaged, and no impact would occur.
- c) **No Impact.** Most of the Project area landscape has been previously altered with the

installation of the roads and active residential uses have greatly altered the natural landscape. The Project would be consistent with applicable zoning and other regulations governing scenic quality and no scenic resources would be impacted by the Project; therefore, no impact would occur.

- d) **No Impact.** The Project would not create a new substantial source of light or glare which would affect day or nighttime views in the area; therefore, no impact would occur.

Documentation

- California Department of Transportation. 2025. California State Scenic Highway Map. Available at: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed June 21, 2025.
- City of Redding. 2024. Municipal Code – Zoning Ordinance Chapter 18.40.090 (Lighting). August 21, 2024.

Mitigation

No mitigation required.

II. AGRICULTURE AND FOREST RESOURCES

Would the project:

Question	CEQA Determination
a) Convert Prime Farmland, Unique Farmland, or Farmland of 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?	No Impact
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	No Impact
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))?	No Impact
d) Result in the loss of forest land or conversion of forest land to non-forest use?	No Impact
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?	No Impact

Discussion

- a–e) **No Impact.** The project area does not include any designated farmland or timberlands. According to the California Department of Conservation’s Farmland Mapping and Monitoring Program, 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

- California Department of Conservation. 2016. Farmland Mapping and Monitoring Program, Shasta County Important Farmland. Available at: <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed June 21, 2025.
- California Department of Conservation (CDC). Farmland Mapping and Monitoring Program (FMMP) of the California Resources Agency. Accessed May 2025.
- City of Redding. 2024. City of Redding General Plan, Natural Resources Element. City of Redding GIS Parcel and Zoning Map Viewer. <https://gispub.cityofredding.org/reddingmap/>.

Mitigation

No mitigation required.

III. AIR QUALITY

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:

Question	CEQA Determination
a) Conflict with or obstruct implementation of the applicable air quality plan?	No Impact
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?	Less Than Significant Impact
c) Expose sensitive receptors to substantial pollutant concentrations?	No Impact
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	No Impact

Discussion

- a) **No Impact.** The project would not conflict with, or obstruct implementation of the applicable air quality plan.
- b–c) **Less than Significant Impact.** The proposed project is within the city of Redding in Shasta County, which is at the northern end of the Northern Sacramento Valley Air Basin (NSVAB). The NSVAB is bounded on the north and west by the Coastal Mountain Range and on the east by the southern portion of the Cascade Mountain Range and the northern portion of the Sierra Nevada range. These mountain ranges form a substantial physical barrier to locally created pollution as well as pollution transported northward on prevailing winds from the Sacramento metropolitan area.

In 1994, the air districts in the Northern Sacramento Valley Planning Area (NSVPA), which includes the Shasta County Air Quality Management District (SCAQMD) jurisdiction, prepared an Air Quality Attainment Plan for ozone. This plan was updated in 1997, 2000, 2003, 2006, 2009, 2012, and again in 2015. Like the preceding plans, the 2015 plan focuses on the adoption and implementation of control measures for stationary sources, area-wide sources, indirect sources, and public information and education programs. The 2015 plan also addresses the effect that pollutant transport has on NSVPA's ability to meet and attain the

State standards. The Air Quality Attainment Plan provides local guidance for air basins to achieve attainment of ambient air quality standards. Areas that meet ambient air quality standards are classified as attainment areas and areas that do not meet these standards are classified as nonattainment areas. Areas for which there is insufficient data available are designated unclassified. The attainment status for the Shasta County portion of the NSVAB is included in the following table. The region is nonattainment for State ozone and particulate matter less than 10 microns in aerodynamic diameter (PM₁₀) standards.

City of Redding and SCAQMD Thresholds of Significance

Threshold	Emissions (pounds per day)		
	NO _x	ROG	PM ₁₀
Level A Thresholds	25	25	80
Level B Thresholds	137	137	137
Source: City of Redding General Plan, SCAQMD			

To determine if thresholds of significance would be exceeded, a Road Construction Emission Model (Version 9.0.0) was prepared. The model found that construction emissions from the proposed project would be under the City of Redding/SCAQMD Level “A” thresholds of significance for NO_x, ROG, and PM₁₀. Therefore, the project would have a less-than-significant impact.

Although the project will have a less than significant impact, City standards implemented through the Grading Ordinance and Uniform Building Code require the implementation of conservation measures and best management practices (BMPs) that contribute to achieving the City’s goal of at least a 20% reduction in emissions or the best reduction otherwise feasible. The following standard conservation measures and BMPs will be used during construction to limit PM₁₀ 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.

- d) **No Impact:** The project would not create emissions that could generate objectionable odors affecting a substantial number of people. Therefore, the project would result in no impact with regard to odor.

Documentation

- California Air Resources Board (CARB). 2020. Area Designation Maps/State and National. Accessed at: <https://www.arb.ca.gov/desig/adm/adm.htm>. July 2025.
- City of Redding. 2024. General Plan, Air Quality Element.
- City of Redding. 2024. 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 March 26, 2024, by Resolution 2022050300.
- Shasta County Air Quality Management District. 2003. Protocol for Review, Land Use Permitting Activities, Procedures for Implementing the California Environmental Quality Act.
- Shasta County Air Quality Management District. 2003. Environmental Review Guidelines, Procedures for Implementing the California Environmental Quality Act. November.

Mitigation

No mitigation required.

IV. BIOLOGICAL RESOURCES

Would the project:

Question	CEQA Determination
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, U.S. Fish and Wildlife Service, or NOAA Fisheries?	Less Than Significant with Mitigation Incorporated
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?	Less Than Significant Impact
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?	Less Than Significant Impact
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?	Less Than Significant Impact
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	No Impact
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?	No Impact

Discussion

- a) **Less than Significant Impact with Mitigation Incorporated.** A Biological Resources Assessment Report (Stantec, May 2025) was prepared to assess the impacts of the proposed project on biological resources in the project area and vicinity. Studies included a database review, species list review, a habitat assessment survey, a protocol-level botanical survey, tree survey, a delineation of potential waters of the U.S. was conducted November 7, 8, and 13, 2024; April 27, 2025, and May 5, 2025. A subsequent botanical survey was conducted in May 5, 2025. Impact assessment is categorized by plant species and wildlife species as follows:

Special-Status Plant Species

Based on database research and a habitat assessment, no special-status plants were found in the project area during the botanical survey conducted on May 5, 2025. The botanical survey was conducted during the correct identification period for the special-status plant species with potential to occur in the project area. Therefore, implementation of the proposed project would not adversely affect special-status plant species, and no mitigation is required.

Special-Status Wildlife Species

The following federal and state listed wildlife species have the potential to occur in or adjacent to the project area:

- Northwestern pond turtle (*Actinemys marmorata*) – federally proposed for listing as threatened; species of special concern
- Western spadefoot toad (*Spea hammondi*) – federally proposed for listing as threatened
- Ringtail (*Bassariscus astutus*) – federally protected

Northwestern Pond Turtle. Construction activities would mostly occur during the spring/summer months but could potentially disturb the end months of nesting period for turtles in or adjacent to the project area. Construction-related impacts may occur if vegetation removal or other work occurs during the winter and spring when water is present, or during the summer if nesting has occurred in the project area. Indirect impacts could include potential sedimentation of downstream habitats or the reduction of suitable upland habitat for basking and nesting. Disturbance could result in the incidental loss of fertile eggs or nestlings, which could affect local populations of turtles. In addition to the standard conservation measures and BMPs, Mitigation Measures MM-1 through MM-3, would be implemented to avoid or minimize the potential for impacts on the northwestern pond turtle.

Western Spadefoot Toad. Rarely seen, this species spends most of their life buried underground in earth-filled burrows. They are active for only a short period each year, typically between October and May, depending on rainfall. Potential upland habitat occurs in the project area, adjacent to the aquatic habitat. Construction activities could result in temporary loss of habitat and displacement of potential aquatic breeding and upland burrow sites. Direct impacts from construction activities such as operation of vehicles, heavy equipment use, and earth-moving operations around burrows could result in stress, injury, or mortality to individuals or the destruction of their burrows. Mitigation Measures MM-1, and MM-4 through MM-6, would be implemented to avoid or minimize the potential for impacts on the Western Spadefoot Toad.

Ringtail. Construction activities from vegetation removal could result in loss of dens if activities

occur during the natal and maternal denning period (May 1 through June 30). Construction-related disturbance could result in the incidental loss of habitat and potentially force females and her kits to alternate dens due to construction noise. Impacts would be avoided by implementing mitigation MM-7.

Migratory Birds and Raptors. Construction activities would occur during the avian breeding season (generally January 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 result in nest abandonment, which could affect local or regional populations of resident and migratory birds. To minimize or avoid project-related effects on nesting migratory birds and raptors, mitigation measure MM-8 will be implemented.

- b) **Less than Significant Impact.** The project may necessitate the removal of up to 9 trees with a dbh of 6 inches or larger. These trees include five Blue Oak (6-inch dbh to 19-inch db), one Gray Pine (16-inch dbh), three Cottonwood (16-inch dbh to 25-inch dbh), and one Willow (25-inch dbh). The purpose of the removal would be for sewer line replacement. Once construction is complete the project area will be returned to its natural elevations and an erosion control mix consisting of native seed will be applied. Natural regrowth of vegetation will occur in the disturbance area. The removal of the trees will not result in a significant adverse effect given the location, elevation, as well as the abundance of surrounding mature vegetation being retained in the project area.
- c) **Less than Significant Impact.** Stantec Consulting Services Inc. conducted a delineation aquatic resources within the project area on November 7-8, 2024, and April 27, 2025. Approximately 0.318 acre of waters of the State and United States occur within the proposed project area, including wetland, intermittent stream, and ephemeral stream. The project will impact a total of 0.096 acre of waters. The project will permanently impact 0.014 acre of intermittent stream. Temporary impacts include 0.002 acre of intermittent stream, 0.080 acre of wetland. Prior to construction regulatory permits will be obtained from the U.S. Army Corps of Engineers (Section 404 permit), the California Department of Fish and Game (Section 1600 Lake and Streambed Alteration Agreement), and the Central Valley Regional Water Quality Control Board (Section 401 Water Quality Certification). In addition, standard conservation measures HAZ-1 through HAZ-5 (Section IX, Hazards and Hazardous Materials) and BIO-1 through BIO-3 (above) will be used during construction to help ensure that potential project related impacts on jurisdictional waters would be minimized or avoided to the maximum extent practicable.
- d) **Less than Significant Impact.** The proposed project is not expected to disrupt the habitat connectivity of the open space in proximity to the project area. Although wildlife may avoid the active construction area, the project would not permanently interfere with the movement of native wildlife. The project does not contain waterways that support migratory fish. Impacts on wildlife migratory and travel corridors would be less than significant.
- e,f) **No Impact.** There are no habitat conservation, natural community conservation, or other approved local, regional, or state habitat conservation plans covering the proposed project area. The City has adopted a Tree Management Ordinance (Chapter 18.45 of the Redding Municipal Code [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, 2025
- City of Redding General Plan, Natural Resources Element, 2024.
- City of Redding Municipal Code, Chapter 18.45, Tree Management Ordinance
- Stantec Consulting Services Inc. Biological Resources Assessment, 2025
- Stantec Consulting Services Inc. Delineation of Aquatic Resources of the U.S., 2025

Mitigation

- **MM-1.** Environmental awareness training for construction personnel will be conducted by a qualified biologist prior to onset of work to brief them on how to recognize and avoid impacts to all applicable species.
- **MM-2.** A qualified biologist will conduct at least one survey within suitable aquatic and upland habitat for northwestern pond turtles and their nests within one week of construction activities.
- **MM-3.** If northwestern pond turtles or their nests are encountered in the work area during construction and could be harmed by construction activities, work will stop in the area. Individual turtles will be allowed to move away from the study area on their own accord. If a northwestern pond turtle nest is found, a qualified biologist (in consultation with CDFW and USFWS) will determine the extent of a construction-free buffer zone to be established around the nest.
- **MM-4.** If western spadefoot toads are encountered anytime during construction, project activities will cease in the immediate vicinity until the toads move to a new location (out of harm's way) without human interference. Should relocation activity become necessary, consultation will be re-initiated with USFWS.
- **MM-5.** Prior to moving equipment or materials each day, construction personnel shall inspect underneath and around equipment, other project materials (e.g., stored pipes greater than 2 inches in diameter), and trenches located within 200 feet of aquatic habitat for western spadefoot toads.
- **MM-6.** For work conducted during the western spadefoot toad migration and breeding season (November 1 to May 31), a qualified biologist will survey the active work areas (including access roads) in mornings following measurable precipitation events. Construction may commence once the biologist has confirmed that no spadefoot toads are in the work area.
- **MM-7.** To the extent practicable, removal of brush will occur outside of the maternal denning period (i.e., July 1 through April 30) for ringtail cat. If vegetation removal is to occur during the maternal denning period (May 1 through June 30), a qualified biologist will conduct a pre-construction survey of the study area to locate maternity dens and identify measures to protect those maternity dens from disturbance. The pre-construction survey will be performed no more than seven days prior to the vegetation removal.
- **MM-8.** If construction or vegetation removal occurs during the nesting season, February 1 through August 31 for birds and November 1 through July 15 for raptors, a qualified biologist

shall conduct a preconstruction survey to locate active nests. The pre-construction survey will be performed no more than 7 days prior to the implementation of construction activities. If a lapse in construction activities occurs for 7 days or longer, another pre-construction survey will be performed. If an active nest is found, a qualified biologist (in consultation with the CDFW) will determine the extent of a buffer zone to be established around the nest.

V. CULTURAL RESOURCES

Would the project:

Question	CEQA Determination
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5?	Less Than Significant Impact
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	Less Than Significant Impact
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	Less Than Significant Impact

Discussion

- a) **Less than Significant Impact.** The archival research, Native American consultation, and archaeological survey are summarized in the Cultural Resource Investigation Report (CRI) prepared for the project. No resources were identified within the area of potential effect, and the project would have no impact on historical resources.
- b, c) **Less than Significant Impact.** Archival research conducted for the project's CRI did not yield records of any documented prehistoric sites in the project area. While the project is not anticipated to affect cultural resources, the following standard practices are incorporated into all projects:

CR-1. If previously unidentified cultural materials are unearthed during construction, it is the City's policy that work be halted in that area until a qualified archaeologist can assess the significance of the find. Additional archaeological surveys shall be needed if the proposed project undertaking limits are extended beyond the present survey limits.

CR-2. If human remains are discovered during project activities, all activities in the vicinity of the find shall 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 City will contact the Native American Heritage Commission (NAHC). Treatment of the remains shall be conducted in accordance with further direction of the County Coroner or the NAHC, as appropriate.

Documentation

- Stantec Consulting Services Inc., Section 106 Cultural Inventory Report, 2025 (confidential)

Mitigation

No mitigation required.

VI. ENERGY

Would the project:

Question	CEQA Determination
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	Less Than Significant Impact
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	No Impact

Discussion

- a) **Less than Significant Impact.** During construction, vehicles including worker commuter vehicles and heavy construction equipment, would require the use of gasoline and diesel fuel for power. Construction is anticipated to last approximately 2 months. Construction is estimated to result in a short-term consumption of energy, representing a small demand on local and regional fuel supplies that would be easily accommodated and would be temporary. The short duration of equipment usage and incorporation of energy efficiencies would not create a wasteful or significant increase in demand for fuel supplies; therefore, impacts on energy resources would be less than significant.
- b) **No Impact.** The proposed project includes improvement of existing amenities and would not require the additional use of energy for operations. The proposed project would not prohibit energy conservation or the use of renewable energy (City of Redding 2024) and would not conflict with or obstruct the City's plan for renewable energy. Because operations would be consistent with existing conditions, there would be no operational impact. Construction of the proposed project would have no impact on state or local plans related to renewable energy.

Documentation

- City of Redding. 2045 General Plan, Natural Resources Element. 2024.
- California Long-Term Energy Efficiency Strategic Plan, 2011
- Regional Transportation Plan for Shasta County, 2018
- City of Redding General Plan Final Environmental Impact Report, 2024, SCH # 2022050300.

Mitigation

No mitigation required.

VII. GEOLOGY AND SOILS

Would the project:

Question	CEQA Determination
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: 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 Publication 42.	Less Than Significant Impact
ii) Strong seismic ground shaking?	Less Than Significant Impact
iii) Seismic-related ground failure, including liquefaction?	Less Than Significant Impact
iv) Landslides?	Less Than Significant Impact
b) Result in substantial soil erosion or the loss of topsoil?	Less Than Significant Impact
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?	Less Than Significant Impact
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?	Less Than Significant Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	No Impact
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	No Impact

Discussion

a, c, d) **Less than Significant Impact.** 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. The closest active fault is over 30 miles away from Redding; however, the Health and Safety Element of the *General Plan* states that the Redding area has experienced numerous earthquake events in the past.

Implementation of the proposed project would not increase the potential for ground shaking to occur. Ground shaking activities, such as earthquakes, would have a negligible effect on the road improvements. According to the *General Plan*, landslides could occur in the westernmost portion of the city of Redding; however, this is outside of the proposed project area and would not pose a significant hazard. 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.

Soil liquefaction occurs when ground shaking from an earthquake causes a sediment layer saturated with groundwater to lose strength and take on the characteristics of a fluid, thus becoming similar to quicksand. Factors determining the liquefaction potential are soil type, the level and duration of seismic ground motions, the type and consistency of soils, and the depth to groundwater. Loose sands and peat deposits, along with recent Holocene age deposits, are more susceptible to liquefaction, while older deposits of clayey silts, silty clays, and clays deposited in freshwater environments are generally stable under the influence of seismic ground shaking. 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, and key design features would help ensure the pathways and associated project features are constructed to provide structure stability. No impact is anticipated on the proposed project due to ground shaking, liquefaction, landslides, unstable soils, or expansive soils.

- b) **Less than Significant Impact.** The proposed project alignment is along an existing City right-of-way and easements. The project is subject to certain erosion-control requirements such as the City of Redding Grading Ordinance and the City of Redding Stormwater Quality Management and Discharge Control Ordinance (BIO-1 and BIO-2 in Section IV).

With implementation of standard conservation measures and BMPs, the potential for project implementation to result in substantial soil erosion or the loss of topsoil would be less than significant.

- e) **No Impact.** The proposed project does not involve the use of septic tanks or alternative wastewater disposal; therefore, there would be no impact.
- f) **No Impact.** The proposed project area does not contain unique paleontological sites or unique geologic features. No impact has been identified.

Documentation

- City of Redding General Plan, Health and Safety Element, 2024
- City of Redding Grading Ordinance, RMC Chapter 16.12
- City of Redding Standard Specifications, Grading Practices
- Natural Resources Conservation Service, 2021, Custom Soil Resource Report for Shasta County Area, California

Mitigation

No mitigation required.

VIII. GREENHOUSE GAS EMISSIONS

Would the project:

Question	CEQA Determination
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	Less Than Significant Impact
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	No Impact

Discussion

- a) **Less than Significant Impact.** Greenhouse gases (GHGs) are recognized by wide consensus among the scientific community to contribute to global warming/climate change and associated environmental impacts because of their ability to trap heat in the atmosphere and affect climate. The major GHGs that are released from human activity include carbon dioxide, methane, and nitrous oxide (Governor’s Office of Planning and Research 2008). The primary sources of GHGs are from industrial facilities, transportation vehicles (including planes and trains), energy/electricity plants, and industrial and agricultural activities (such as dairies and hog farms) (CARB 2021).

GHG emissions from the proposed project would be generated offsite from the production of project materials (e.g., pipeline), as well as onsite construction-related equipment emissions. While the project would have an incremental contribution in the context of the county and region, construction-related GHG emissions would be short term and minor. BMPs AQ-1 through AQ-6 (Section III Air Quality) will be incorporated into the proposed project which would reduce construction-related GHG emissions. Project operation would be consistent with existing conditions and the project would have no direct or indirect impact on measurable GHGs in the project area. The impact would be less than significant.

- b) **No Impact.** The proposed project would not conflict with any applicable plans, policies, or regulations adopted to reduce GHG emissions. As noted in impact “a” and in Section III Air Quality, the proposed project is in conformance with the City’s air quality policies and thresholds, follows state guidelines and regulations, and incorporates BMPs AQ-1 through AQ-6. The proposed project would have no impact on the City’s applicable plans, policies, or regulations related to GHG emissions.

Documentation

- City of Redding General Plan, Air Quality Element, 2024
- California Air Resources Board (CARB). 2023. Current California GHG Emission Inventory Data. Available at: Current California GHG Emission Inventory Data | California Air Resources Board. Accessed 2025.

Mitigation

No mitigation required.

IX. HAZARDS AND HAZARDOUS MATERIALS

Would the project:

Question	CEQA Determination
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	Less Than Significant Impact
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?	Less Than Significant Impact
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	No Impact
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?	No Impact
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?	No Impact
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	No Impact
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	Less Than Significant Impact

Discussion

a, b) **Less than Significant Impact.** The proposed project would not present a significant risk due to the use of hazardous materials or emissions. The project area is not on any lists of properties known to contain hazardous materials. A review of known hazardous materials sites databases identified one school facility site within an approximately 0.2 miles. The school was evaluated as part of a Phase I review with no action needed for remediation. The school site does not pose a threat to the proposed project in the form of hazardous material leaks or spills.

Construction activities pose a slight risk for solvent or fuel spills or leaks. In accordance with the City's Stormwater Management Program, and as a part of the Clean Water Act Section 402, National Pollutant Discharge Elimination System, an erosion and sediment control plan (ESCP) is required when obtaining a general construction permit. Compliance under water quality regulations and the ESCP 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 an 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 implementation of the ESCP required by state and local regulations would ensure that the proposed project would not pose a significant risk for solvent or fuel spills. 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) **No Impact.** There are no existing or currently proposed schools within 0.25 mile of the project area. There would be no impacts on schools.
- d) **No Impact.** A review of the California Department of Toxic Substances Control EnviroStor database and the SWRCB's GeoTracker database found no record of any known contaminated sites, regulated landfill sites, underground tank sites, or hazardous-waste generators in the Project footprint. As identified above, there was one LUST review site identified approximately 0.2 miles east of the Project area. The Project area is not included on the list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. No potential hazardous materials or waste sites are listed in the project vicinity; and therefore, no impacts would occur.
- e) **No Impact.** The proposed project is not located within an airport land use plan or within two miles of a public airport or public use airport would not result in a safety hazard or excessive noise for people working in the project area. No impact would occur.
- f) **No Impact.** The proposed project is located within multiple segments along Mishka Ct., Greenback Ln., Callexico Dr., Dickson Dr., E. Keswick Dam Rd., Shamrock St., sections along the back sections of Magnums Way and Guinevere Ct. and along portions of the railroad, which are classified as local roads and along Lake Blvd. which is considered a minor arterial road. Temporary signage would be used to alert motorists and non-motorized travelers to any project detour, decreased speeds, uneven pavement, etc. throughout the project alignment and controlled through-traffic would be allowed to pass during construction, where appropriate. Emergency response vehicles would be given priority access through the project site. Operation of the completed project would have no impact on traffic operations. The project would have a less-than-significant impact on emergency response and evacuation plans during construction.
- g) **Less than Significant Impact.** During the construction period, the use of construction equipment in and around vegetated areas increases the potential for wildfire ignition. The project area consists of vegetated areas that could be susceptible to wildfires. However, the proposed project would be constructed in compliance with applicable local, state, and federal requirements, including the California Fire Code, which would ensure that the potential for construction equipment to spark a wildland fire is minimal. Operation of the proposed project would be consistent with existing operations and would not increase the existing wildfire potential. The potential for wildfire ignition from construction and operation of the proposed project would be less than significant.

Documentation

- City of Redding General Plan, Health and Safety Element, 2024
- California State Water Resources Control Board. 2025. Geotracker available at: <http://geotracker.waterboards.ca.gov/>.
- California Department of Toxic Substances Control. 2025. EnviroStor – Hazardous Waste and Substances Site List (Cortese) available at: <https://www.envirostor.dtsc.ca.gov/>.
- City of Redding Storm Water Management Program available at: https://www.cityofredding.gov/government/departments/public_works/environmental_management/storm_water_management/index.php
- Shasta County Airport Land Use Commission, Comprehensive Land Use Plan Map, 1981
- California Fire Hazard Severity Zone Viewer, 2025
- Caltrans, California Manual on Uniform Traffic Control Devices Standards, 2021

Mitigation

No mitigation required.

X. HYDROLOGY AND WATER QUALITY

Would the project:

Question	CEQA Determination
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	Less Than Significant Impact
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such the project may impede sustainable groundwater management of the basin?	No Impact
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:	No Impact
(i) result in substantial erosion or siltation on- or off-site;	Less Than Significant Impact
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	Less Than Significant Impact
(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	Less Than Significant Impact
(iv) impede or redirect flood flows?	No Impact
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	No Impact
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	No Impact

Discussion

- a) **Less than Significant Impact.** The project would not involve any discharge 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 as described in conservation measures BIO-1 (see Section IV, Biological Resources). The ESCP will help 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. The ESCP, BMPs, HAZ-1 through HAZ-5, as well as the following BMPs would be implemented:

- **WQ-1.** All construction work and stockpiling of materials shall 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 onsite 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) **No Impact.** Project construction would not substantially deplete groundwater supplies because no groundwater would be used, and no groundwater wells would be affected during construction. The project would have no impact on groundwater.
- c) **No Impact.** The project would implement an ESCP and comply with a construction general permit or NPDES that would result in minimal erosion or siltation from the construction of the project, and result in a less than significant impact.

The project would replace existing sewer lines, which would not alter the drainage pattern in the project area. 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 substantially degrade water quality. Vehicles using access roads and public streets for manhole maintenance may create the potential for pollutants to sit on the pavement or gravel; however, the road is existing and would not increase runoff from the road surface.

Construction would occur within the dry season between June 1 and October 31. The project would not result in any impacts greater than existing conditions. The project would not result in flooding, affect the capacity of existing or planned stormwater drainage systems, or provide substantial additional sources of polluted runoff; therefore, the project would have a less than significant impact.

- d) **No Impact.** The project area includes work within and adjacent to Boulder Creek. Zone AE is a floodplain designation that has mapped base flood elevations (BSE) determined, and is mapped as a special flood hazard area. The existing sewer siphon is located underneath Boulder Creek bed and is not directly impacted by creek flows. While the sewer siphon would be replaced, the improvements are not anticipated to significantly increase use or capacity. The sewer siphon replacement will provide efficiency and reduce the risk of potential pollution in the waterway. The threat of a tsunami wave is not applicable to inland, central valley communities such as Redding. Seiches could potentially be generated in either Shasta or Whiskeytown lakes during an

earthquake. If a seiche were to overtop Shasta Dam, or in the event of dam failure, the project area would be within the inundation zone. However, regional history documents that the potential for such a threat is low (City of Redding 2024). The project would have a less than significant risk for release of pollutants due to project inundation.

- e) **No Impact.** Construction and operation of the project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.

Documentation

- City of Redding. 2024-2045 General Plan. Health and Safety Element figures 4-1 (Ground Shaking Potential) and 4.2 (Liquefaction Potential).
- Federal Emergency Management Agency (FEMA), Floodplain regulations, Floodplain Atlas Map P11, July 5, 2025.

Mitigation

No mitigation required.

XI. LAND USE AND PLANNING

Would the project:

Question	CEQA Determination
a) Physically divide an established community?	No Impact
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?	No Impact

Discussion

- a) **No Impact.** The project does not have the potential to physically divide an established community.
- b) **No Impact.** The project is compatible with the applicable policies and regulations of the City's General Plan and Zoning Ordinance and would not conflict with any other land use plan, policy, or regulation.

Documentation

- City of Redding. 2045. 2045 General Plan.
- City of Redding. 2024. Municipal Code.

Mitigation

No mitigation required.

XII. MINERAL RESOURCES

Would the project:

Question	CEQA Determination
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	No Impact
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?	No Impact

Discussion

- a) **No Impact.** The proposed project would not result in the use or extraction of any mineral or energy resources and would not restrict access to known mineral resource areas or as being located within a “Critical Mineral Resource Overlay” area. Furthermore, the proposed project would not result in the loss of availability of a known mineral resource. No impact would occur.
- b) **No Impact.** The proposed project would have no impact on mineral resources. No Impact would occur.

Documentation

- City of Redding. 2045. 2045 General Plan, Natural Resources Element.
- California Geological Survey, Aggregate Sustainability in California, 2018

Mitigation

No mitigation required.

XIII. NOISE

Would the project:

Question	CEQA Determination
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?	Less Than Significant Impact
b) Generation of excessive groundborne vibration or groundborne noise levels?	No Impact
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?	No Impact

Discussion

- a) **Less Than Significant Impact.** The project area is located in the right of way of an existing road, both within and just outside City boundaries. Existing ambient noise and vibration includes vehicles accessing roadway, as well as standard noises associated with commercial businesses and some residential living. Noise levels would increase during construction due to the operation of equipment; however, this would be temporary in nature and operation would occur during daylight hours. Construction noise would consist of grading and excavation equipment, trucks, and construction personnel. The project does not include cast-in-drilled hole piles, pile driving or other percussive methods for construction. Operation of the project would be similar to existing conditions. Replacement of the sewer siphon and manholes and the construction of the access road are not anticipated to increase use, but to make the existing use more efficient. Replacement of the sewer siphon will increase safety, so that the surrounding residents can remain unaffected in their sewage usage and the likelihood of a sewage spillage into Boulder Creek will be greatly reduced. No permanent or long-term noise impacts would occur because of the proposed project. Noise impacts would be less than significant.

During construction, the City's Grading Ordinance would limit grading-permit-authorized activities to between the hours of 7:00 a.m. and 7:00 p.m., Monday through Saturday. No operations are allowed on Sunday. Noise generated by temporary construction activities may be slightly louder than existing conditions. No permanent or long-term noise impacts would occur because of the project. Temporary construction noise impacts would be less than significant.

- b) **No Impact.** Potentially sensitive receptors such as nearby residences and businesses would not be subject to excessive ground-borne vibration or noise levels.
- c) **No Impact.** The proposed project is not located within an airport land use plan or near any airports; therefore, there would be no impacts.

Documentation

- City of Redding General Plan, Noise Element, 2024
- City of Redding General Plan, Transportation Element, 2024

- City of Redding Zoning Ordinance Redding Municipal Code, Section 18.40.100
- Redding Municipal Airport. 2004. Redding Municipal Airport Master Plan.
<https://www.cityofredding.org/home/showdocument?id=865>.
- City of Redding Grading Ordinance, RMC Chapter 16.12

Mitigation

No mitigation required.

XIV. POPULATION AND HOUSING

Would the project:

Question	CEQA Determination
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)?	No Impact
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	No Impact

Discussion

- a) **No Impact.** The proposed project does not include the construction of new homes or businesses, nor does it include extension or construction of new roadways which could potentially induce growth. Therefore, the Project would have no potential to induce substantial population growth in the area, either directly or indirectly. No impact would occur.
- b) **No Impact.** The project will not displace any number of existing housing or necessitate the construction of replacement housing. No impact would occur.

Documentation

- City of Redding General Plan, Housing Element, 2020-2028

Mitigation

No mitigation required.

XV. PUBLIC SERVICES

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 following public services:

Question	CEQA Determination
a) Fire protection?	No Impact
b) Police protection?	No Impact
c) Schools?	No Impact
d) Parks?	No Impact
e) Other public facilities?	No Impact

Discussion

- a-e) **No Impact.** The proposed project would not require new governmental facilities or changes to governmental facilities to maintain acceptable service ratios or other performance objectives. Similarly, access to residences, schools, parks, and other public facilities would not be affected since the project is located within public right-of-way. The project would have no impact on public services.

Documentation

- City of Redding General Plan, Public Facilities and Services Element, 2024.

Mitigation

No mitigation required.

XVI. RECREATION

Question	CEQA Determination
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?	No Impact
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?	No Impact

Discussion

- a) **No Impact.** The proposed project does not include new development for habitation, nor does it include development of new businesses. Therefore, the proposed project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would occur or be accelerated. Therefore, no impact would occur.
- b) **No Impact.** The project area does not include nor does the project include any recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment. Therefore, no impact would occur.

Documentation

- City of Redding. 2045. 2045 General Plan, Recreation Element.

Mitigation

No mitigation required.

XVII. TRANSPORTATION

Would the project:

Question	CEQA Determination
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	No Impact
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	No Impact
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	No Impact
d) Result in inadequate emergency access?	No Impact

Discussion

- a,b) **No Impact.** Construction of the proposed project would generate vehicle trips associated with worker commutes and material and equipment hauling. The increases in trips per day on local and regional roadways within the City would be minimal and would not affect roadway capacity or circulation compared to the current local conditions. The proposed project would generate construction traffic throughout the 2-month construction period with periods of heavier use (i.e., during grading) and periods of minimal vehicle use (i.e., site restoration). The proposed project would not conflict with the City of Redding General Plan policies. The proposed project would not conflict with any program, ordinance, or policy addressing the circulation system, and the impact would have no effect.

Section 15064.3(b) of the current CEQA Guidelines shifts transportation impact analysis from a level of service (LOS) standard to a vehicle miles traveled (VMT) standard that refers to the amount and distance of automobile travel attributable to a project. However, VMT is currently only applied to development projects such as new single-family subdivisions or industrial facilities. VMT for the proposed project, entailing sewer rehabilitation, would not be applicable as this does not involve propose development. The proposed project would require some haul, vendor, and worker trips over the 2-month construction period; however, this activity would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). The proposed project would result in a less than significant impact.

- c) **No Impact.** The proposed project, once constructed, would be consistent with existing use and would not result in changes to roadways causing an increase in hazards due to a geometric design feature or incompatible use on any roadways in the area. During construction equipment and vehicles would be intermittently entering and exiting at multiple city right-of-way locations. Construction activities would be temporary and would largely occur within and would not result in a substantial hazard. The proposed project would have no impact related to hazards from geometric design features.
- d) **Less than Significant Impact.** Construction of the proposed project would not substantially interfere with emergency access. Construction activities would be short-term and temporary in nature and would not include temporary closures and restrictions on multiple

street locations. Traffic control will be implemented to minimize obstruction to emergency vehicles and through traffic impact would be negligible. Emergency vehicles would be allowed to come into and out of the construction area as needed. Once constructed, the proposed project area would be open and would not impact emergency access. Therefore, the impact would be less than significant.

Documentation

- City of Redding General Plan, Transportation Element, 2024.
- City of Redding Parks, Trails, and Open Space Master Plan, 2018.
- California Office of Planning and Research (OPR). 2018. Technical Advisory On Evaluation Transportation Impacts in CEQA. http://opr.ca.gov/docs/20190122743_Technical_Advisory.pdf.

Mitigation

No mitigation required.

XVIII. TRIBAL CULTURAL RESOURCES

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:

Question	CEQA Determination
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	No Impact
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 Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	No Impact

Discussion

- a, b) **No Impact.** 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 June 13, 2025. No tribal cultural resources were identified within the project area. Therefore, the project would not cause a substantial adverse change in the significance of any known tribal cultural resources.

Documentation

- Stantec. May 2, 2025. Section 106 Cultural Inventory Report for Magnums Area Remote Sewer Project (confidential)

Mitigation

None necessary.

XIX. UTILITIES AND SERVICE SYSTEMS

Would the project:

Question	CEQA Determination
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	Less Than Significant Impact
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	Less Than Significant Impact
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?	No Impact
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?	No Impact
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	No Impact

Discussion

- a) **Less than Significant.** The proposed project would not require construction or relocation of water, electrical, natural gas, or telecommunication facilities. The proposed project would require modification and replacement of wastewater facilities due to the age of existing lines. The proposed project would not result in any other infrastructure improvements or require relocation of existing infrastructure beyond what has been analyzed herein; therefore, the proposed project would have a less than significant impact.
- b) **Less than Significant.** Construction and operation of the proposed project would not require the use of potable water. Water required for construction use, such as for dust control and pipeline testing, would be available from the City's existing water resources and would not require substantial amounts of additional water supplies. Operation of the proposed project would not require water exceeding existing use. The proposed project would have sufficient water supplies to serve the project, and the impact would be less than significant.
- c) **No Impact.** The proposed project would provide wastewater conveyance capacity similar to the existing capacity. The existing wastewater lines will be replaced and relocated due to the aging of

the infrastructure. The project is adequately sized and would not create additional wastewater capacity. The project has no potential to induce growth and the project would have no impact.

- d–e) **No Impact.** The proposed project construction activities would generate a minor amount of debris requiring disposal at a suitable facility, such as the City’s West Central Landfill, which has sufficient permitted capacity to accommodate the proposed project. Standard construction specifications would require recycling of some materials such as concrete to reduce landfill waste. Any potentially hazardous materials would be disposed of at an approved landfill. Through construction specifications, the City will confirm that the proposed project complies with federal, state, and local statutes and regulations pertaining to recycling and disposal of solid waste. The impact would be less than significant.

Documentation

- City of Redding General Plan, Public Facilities and Services Element, 2024.

Mitigation

No mitigation required.

XX. WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

Question	CEQA Determination
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	Less Than Significant Impact
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?	No Impact
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?	No Impact
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?	No Impact

Discussion

- a) **Less than Significant.** The proposed project area is located within a local responsibility area and is in an area designated by CAL FIRE that is a ‘Non-Very High Fire Severity Zone’. While all undeveloped areas are susceptible to wildfire, the proposed project would be constructed in compliance with applicable local, state, and federal requirements, including the California Fire Code, which would minimize the potential for construction equipment to spark a wildland fire. The proposed project would not affect emergency evacuation plans,

result in the uncontrolled spread of wildfire, require installation or maintenance of associated wildfire infrastructure, or expose people or structures to significant risks related to wildfires.

- b) **No Impact.** The project is located in a topographically relatively flat, urban area of the City, adjacent to residential and commercial land uses. Emergency access would be maintained throughout construction, and, in the event of a fire, the Redding Fire Department provides emergency fire services to the project Area.
- c) **No Impact.** The project would not require the installation or maintenance of associated infrastructure that could exacerbate wildfire risks.
- d) **No Impact.** The project would not expose people or structures to downstream flooding or landslides.

Documentation

- CAL FIRE. 2008. Very High Fire Severity Zones in LRA- Shasta County.
https://osfm.fire.ca.gov/media/6806/fhszl_map45.pdf.
- City of Redding. 2045 General Plan. Health and Safety Element.

Mitigation

No mitigation required.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE

Question	CEQA Determination
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 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?	Less Than Significant with Mitigation Incorporated
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)?	Less Than Significant Impact
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	Less Than Significant Impact

Discussion

- a) **Less than Significant with Mitigation Incorporated.** 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 western pond turtle and migratory birds, 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. The project's impacts would be less than significant with mitigation incorporated.

- b) **Less than Significant.** 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 the 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) **Less than Significant.** 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

Determinations for Section XXI Mandatory Findings of Significance are based on all review and documentation provided in the Initial Study Checklist sections above.

Mitigation

- **MM-1.** Environmental awareness training for construction personnel will be conducted by a qualified biologist prior to onset of work to brief them on how to recognize and avoid impacts to all applicable species.
- **MM-2.** A qualified biologist will conduct at least one survey within suitable aquatic and upland habitat for northwestern pond turtles and their nests within one week of construction activities.
- **MM-3.** If northwestern pond turtles or their nests are encountered in the work area during construction and could be harmed by construction activities, work will stop in the area. Individual turtles will be allowed to move away from the study area on their own accord. If a northwestern pond turtle nest is found, a qualified biologist (in consultation with CDFW and USFWS) will determine the extent of a construction-free buffer zone to be established around the nest.
- **MM-4.** If western spadefoot toads are encountered anytime during construction, project activities will cease in the immediate vicinity until the toads move to a new location (out of harm's way) without human interference. Should relocation activity become necessary, consultation will be re-initiated with USFWS.
- **MM-5.** Prior to moving equipment or materials each day, construction personnel shall inspect underneath and around equipment, other project materials (e.g., stored pipes greater than 2 inches in diameter), and trenches located within 200 feet of aquatic habitat for western spadefoot toads.
- **MM-6.** For work conducted during the western spadefoot toad migration and breeding season (November 1 to May 31), a qualified biologist will survey the active work areas

(including access roads) in mornings following measurable precipitation events.

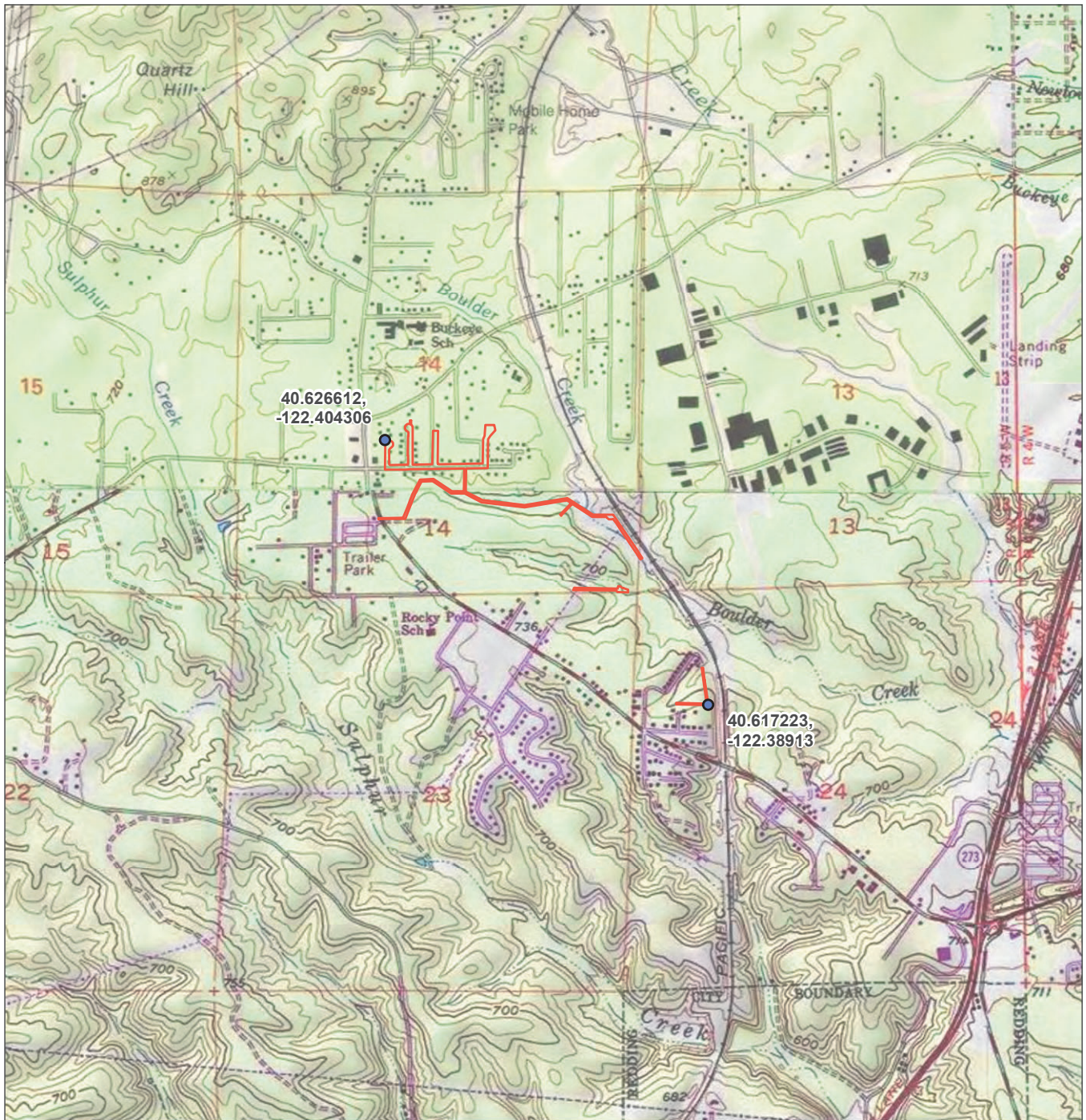
Construction may commence once the biologist has confirmed that no spadefoot toads are in the work area.

- **MM-7.** To the extent practicable, removal of brush will occur outside of the maternal denning period (i.e., July 1 through April 30) for ringtail cat. If vegetation removal is to occur during the maternal denning period (May 1 through June 30), a qualified biologist will conduct a pre-construction survey of the study area to locate maternity dens and identify measures to protect those maternity dens from disturbance. The pre-construction survey will be performed no more than seven days prior to the vegetation removal.
- **MM-8.** If construction or vegetation removal occurs during the nesting season, February 1 through August 31 for birds and November 1 through July 15 for raptors, a qualified biologist shall conduct a preconstruction survey to locate active nests. The pre-construction survey will be performed no more than 7 days prior to the implementation of construction activities. If a lapse in construction activities occurs for 7 days or longer, another pre-construction survey will be performed. If an active nest is found, a qualified biologist (in consultation with the CDFW) will determine the extent of a buffer zone to be established around the nest.

APPENDIX A

Figure 1 – Project Location Map

Figure 2 – Project Design Features



- Notes**
1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
 2. Base map: Esri USA Topo Maps
 3. Public Land Survey: T 32N, R 05W, Sec. 13, 14, 23, 24

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- Map Reference Point
□ Study Area (8.66 acres)

0 2,000 Feet
1 inch = 2,000 feet (At page size of 8.5"x11")



Project Location
Shasta County, California
USGS Shasta Dam; Redding
PLSS: T32N R05W S13, 14, 23, 24

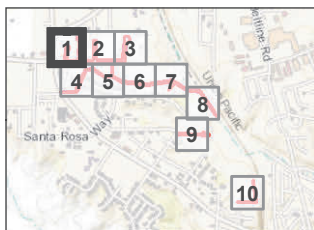
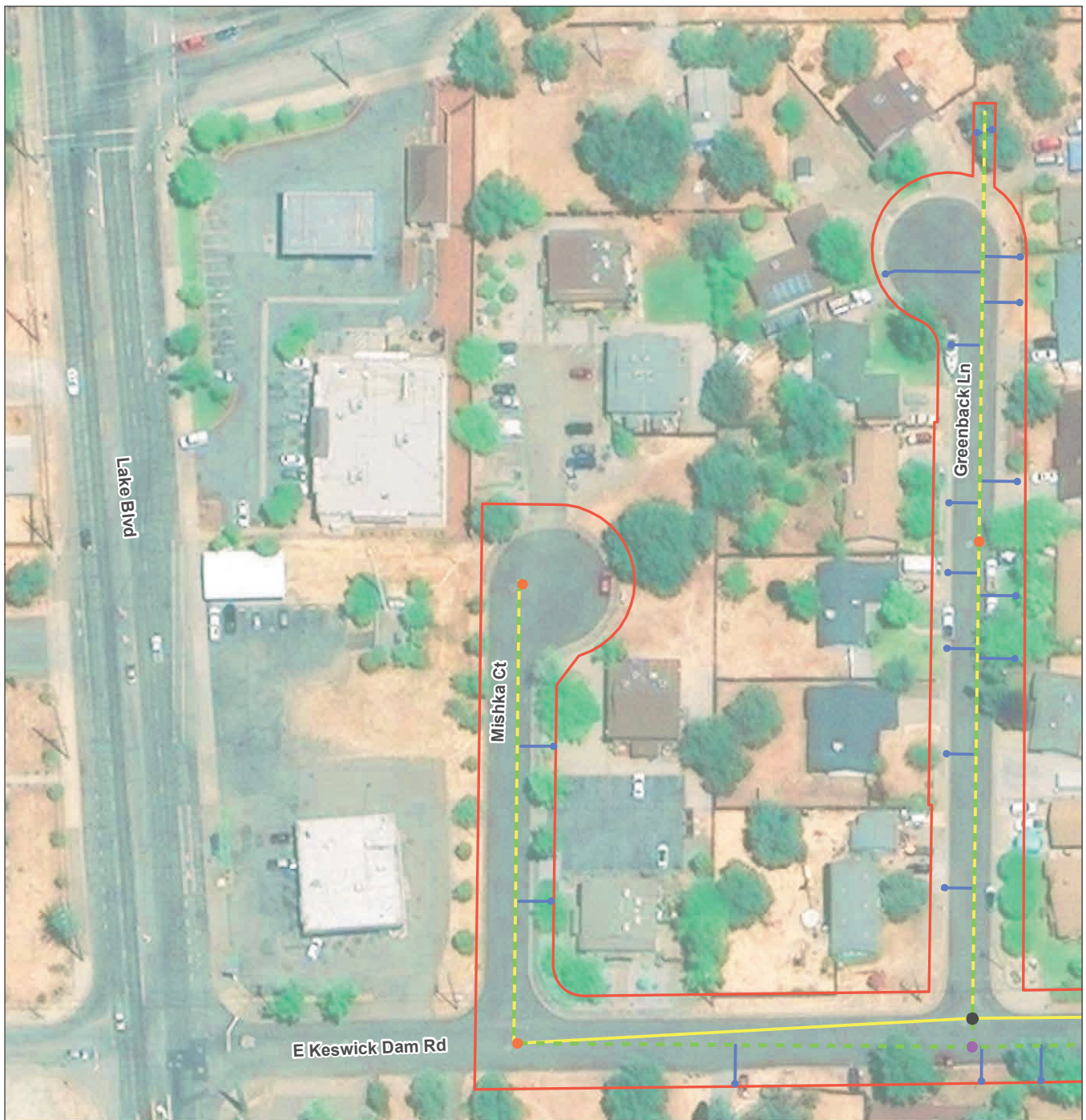
185706839
Prepared by TM on 2025-05-06
Reviewed by SS on 2025-05-06

Client/Project
City of Redding
Magnums Area Remote Sewer Project

Figure No.
1

Title
Project Location

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Notes
1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
2. Base map: Esri World Imagery, 07/02/2024

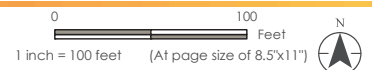
Study Area (8.66 acres)

Design Features

- Existing Sewer
- New Sewer Lateral
- New Sewer-Open Trench

Manhole Work

- Rehabilitate
- Remove
- New



Project Location
Shasta County, California
USGS Shasta Dam, Redding
PLSS: T32N R05W S13, 14, 23, 24

185706839
Prepared by IM on 2025-05-21
Reviewed by ST on 2025-05-21

Client/Project

City of Redding
Magnums Area Remote Sewer Project

Figure No.

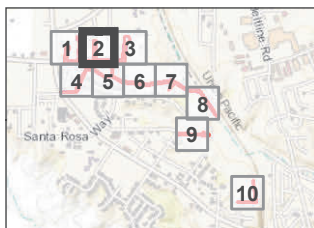
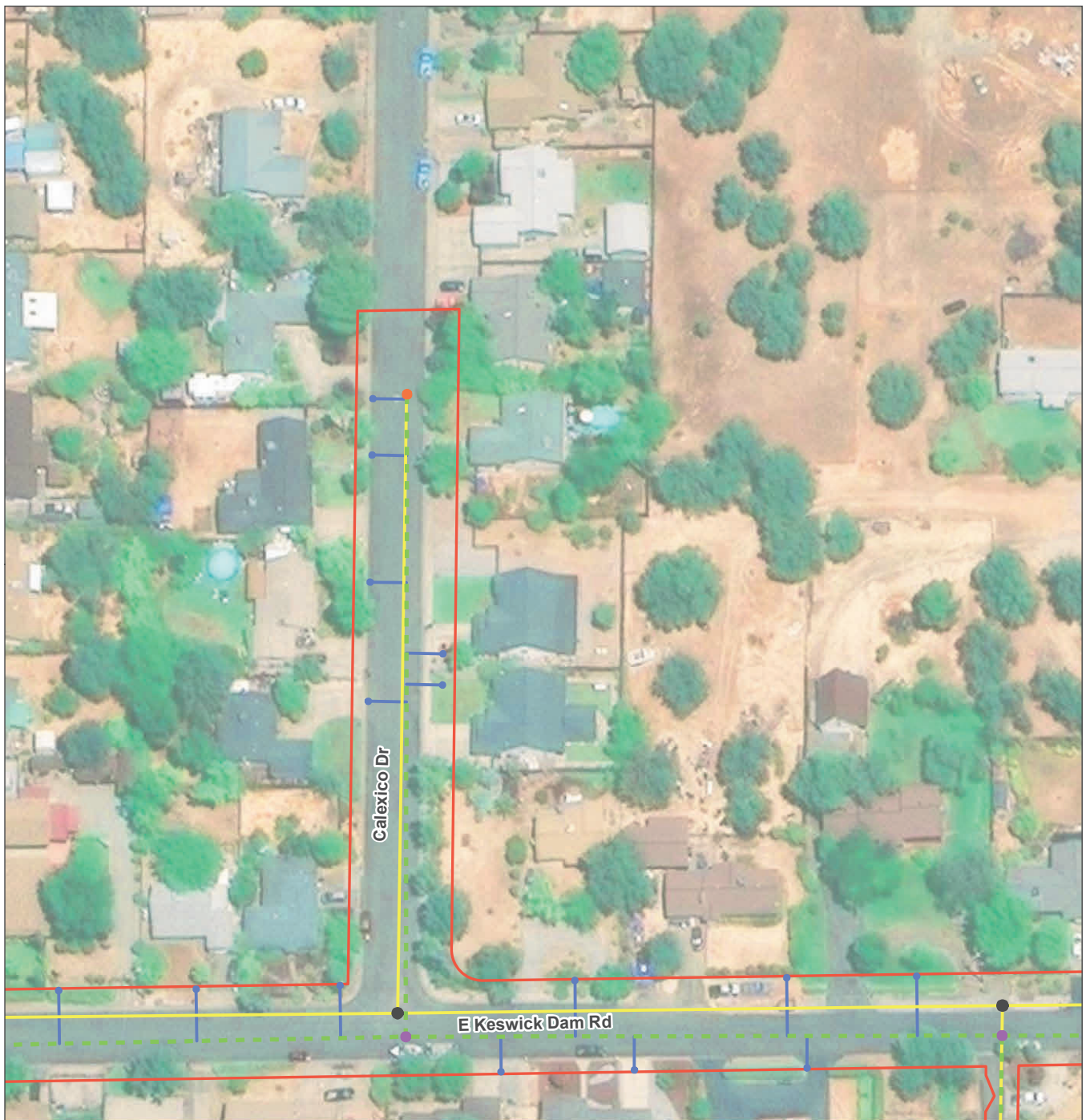
2

Title

Project Design

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Notes
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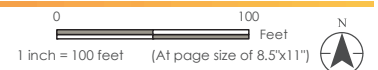
Study Area (8.66 acres)

Design Features

- Existing Sewer
- New Sewer Lateral
- New Sewer-Open Trench

Manhole Work

- Rehabilitate
- Remove
- New



Project Location
Shasta County, California
USGS Shasta Dam; Redding
PLSS: T32N R05W S13, 14, 23, 24

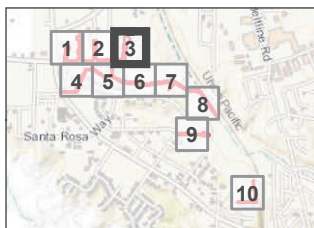
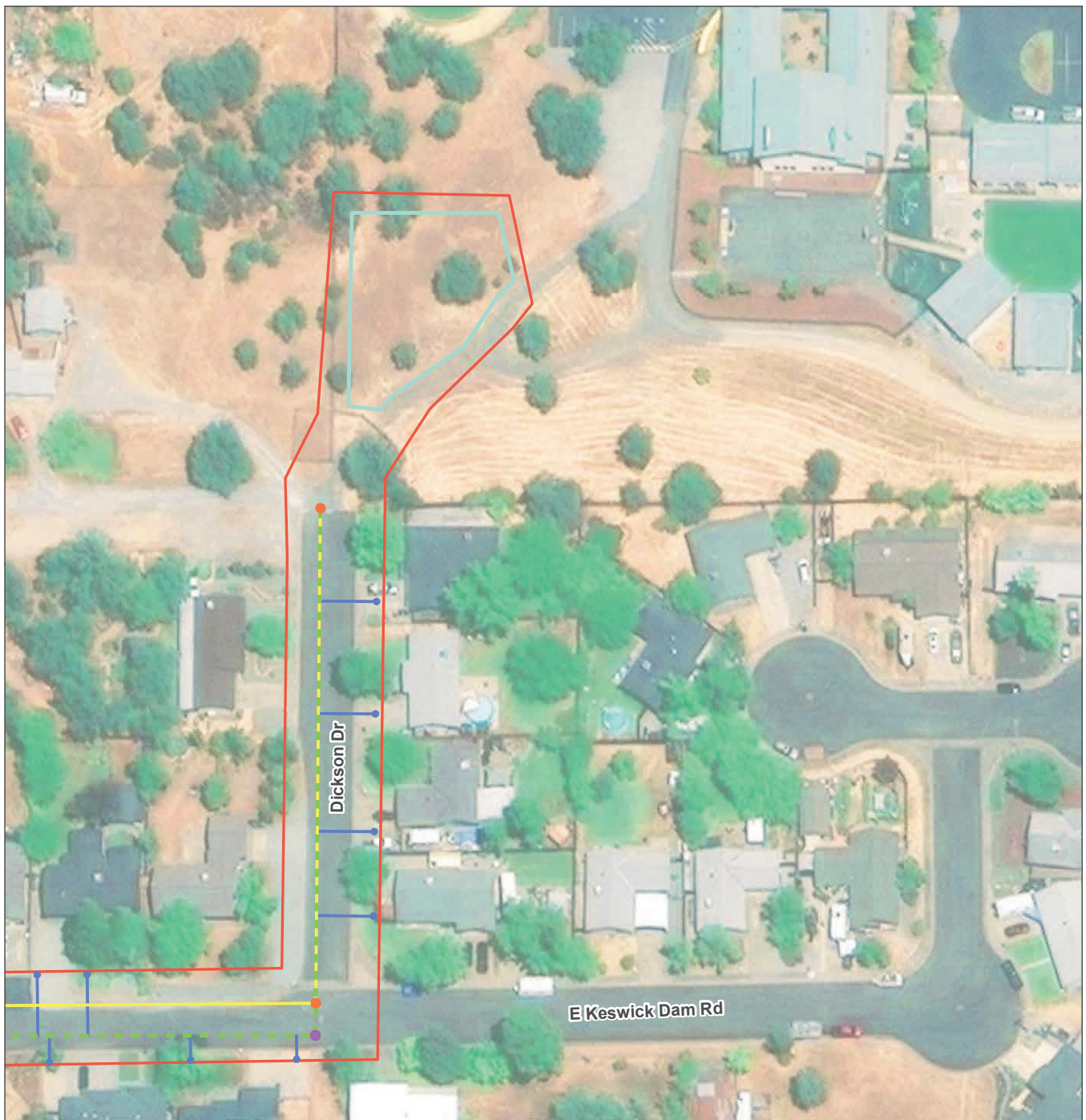
185706839
Prepared by TM on 2025-05-21
Reviewed by ST on 2025-05-21

Client/Project
City of Redding
Magnums Area Remote Sewer Project

Figure No.
2

Title
Project Design

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Notes
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2. Base map: Esri World Imagery, 07/02/2024

Study Area (8.66 acres)

Design Features

- Existing Sewer
- New Sewer Lateral
- New Sewer-Open Trench
- Staging

Manhole Work

- Rehabilitate
- New



Project Location
Shasta County, California
USGS Shasta Dam, Redding
PLSS: T32N R05W S13, 14, 23, 24

185706839
Prepared by IM on 2025-05-21
Reviewed by ST on 2025-05-21

Client/Project

City of Redding
Magnums Area Remote Sewer Project

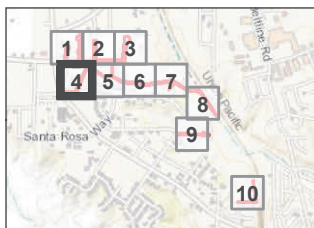
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Notes
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 2. Base map: Esri World Imagery, 07/02/2024

Study Area (8.66 acres)

Design Features

- Excavated Pit
- Existing Sewer
- New Sewer Lateral
- New Sewer-Pipe Burst

Manhole Work

- Rehabilitate



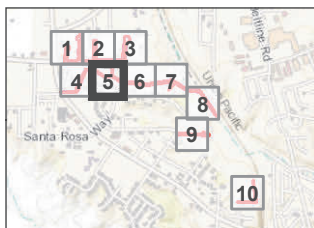
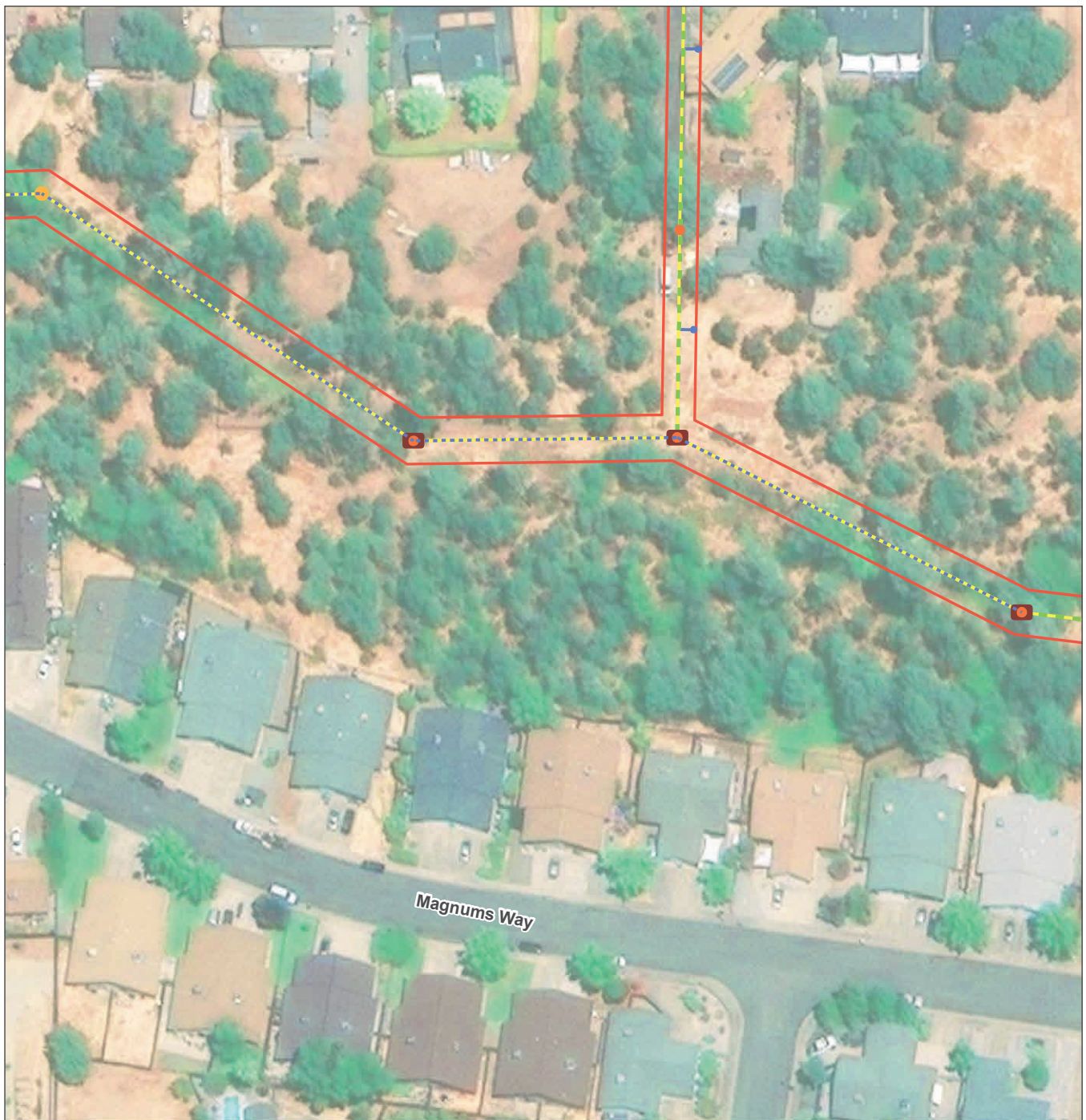
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Client/Project
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Figure No.
2

Project Design



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 Study Area (8.66 acres)

Design Features

- Excavated Pit
- Existing Sewer
- Manhole Replace
- New Sewer Lateral
- New Sewer-Open Trench
- New Sewer-Pipe Burst

Manhole Work

- Rehabilitate



Project Location
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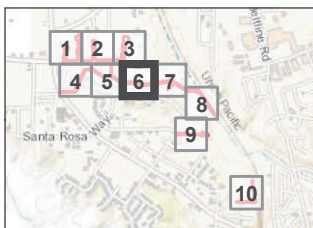
City of Redding
 Magnums Area Remote Sewer Project

Figure No.

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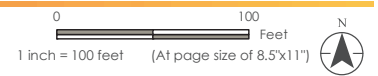
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Project Design



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- Study Area (8.66 acres)
- Design Features**
- Existing Sewer
- New Sewer-Open Trench
- Manhole Work**
- Rehabilitate



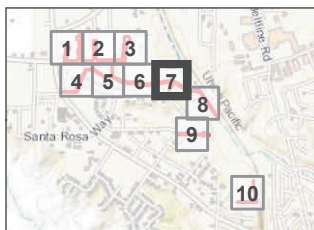
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Notes
1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
2. Base map: Esri World Imagery, 07/02/2024

Study Area (8.66 acres)

Design Features

- Excavated Pit
- Existing Sewer
- New Sewer-Open
- New Sewer-Pipe Burst
- Replace Existing Road

Manhole Work

- Rehabilitate
- Remove



Project Location
Shasta County, California
USGS Shasta Dam, Redding
PLSS: T32N R05W S13, 14, 23, 24

185706839
Prepared by TM on 2025-05-21
Reviewed by ST on 2025-05-21

Client/Project

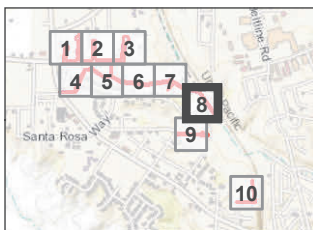
City of Redding
Magnums Area Remote Sewer Project

Figure No.

2

Title

Project Design



Notes
 1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
 2. Base map: Esri World Imagery, 07/02/2024

Study Area (8.66 acres)

Design Features

- Excavated Pit
- - - Existing Sewer
- - - New Sewer-Open Trench
- - - New Sewer-Pipe Burst
- Staging

Manhole Work

- Rehabilitate



Project Location: Shasta County, California
 USGS Shasta Dam; Redding
 PLSS: T32N R05W S13, 14, 23, 24

185706839
 Prepared by TM on 2025-05-21
 Reviewed by ST on 2025-05-21

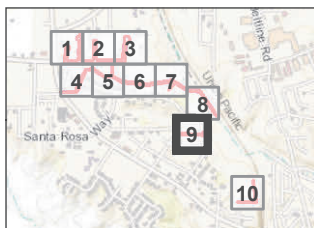
Client/Project

City of Redding
 Magnus Area Remote Sewer Project

Figure No.
2

Project Design

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Notes
 1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
 2. Base map: Esri World Imagery, 07/02/2024

Study Area (8.66 acres)

Design Features

- Fill
- New Edge of Road
- Rock Slope Protection
- Storm Pipes

0 100 Feet
 1 inch = 108 feet (At page size of 8.5"x11")



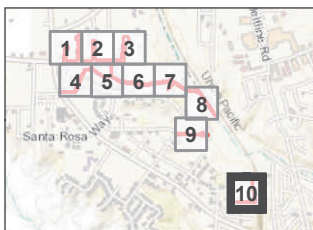
Project Location
 Shasta County, California
 USGS Shasta Dam, Redding
 PLSS: T32N R05W S13, 14, 23, 24

185706839
 Prepared by TM on 2025-05-21
 Reviewed by ST on 2025-05-21

Client/Project
 City of Redding
 Magnus Area Remote Sewer Project

Figure No.
2

Title
Project Design



Notes
 1. Coordinate System: NAD 1983 StatePlane California I FIPS 0401 Feet
 2. Base map: Esri World Imagery, 07/02/2024

 Study Area (8.66 acres)

Design Features

- Excavated Pit
- Existing Sewer
- New Access Road
- New Sewer Lateral
- New Sewer-Open Trench
- New Sewer-Pipe Burst

Manhole Work

- Rehabilitate



Project Location: Shasta County, California
 USGS Shasta Dam; Redding
 PLSS: T32N R05W S13, 14, 23, 24

185706839
 Prepared by TM on 2025-05-21
 Reviewed by ST on 2025-05-21

Client/Project

City of Redding
 Magnums Area Remote Sewer Project

Figure No.
2

Title
Project Design

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ATTACHMENT C

Mitigation Monitoring and Environmental Commitment Program

MITIGATION MONITORING AND ENVIRONMENTAL COMMITMENT PROGRAM

MAGNUMS AREA REMOTE SEWER PROJECT (STATE CLEARINGHOUSE NO. 2025XXXXXX)

MITIGATION MONITORING PROGRAM CONTENTS

This document is the Mitigation Monitoring and Environmental Commitment Program (MMP/ECP) for the Magnums Area Remote Sewer Project (project). The MMP/ECP includes a brief discussion of the legal basis for, and the purpose of, the program, discussion, and direction regarding complaints about noncompliance; a key to understanding the monitoring matrix; and the monitoring matrix.

LEGAL BASIS OF AND PURPOSE FOR THE MITIGATION MONITORING PROGRAM

California Public Resources Code Section 21081.6 requires public agencies to adopt mitigation monitoring or reporting programs whenever certifying an environmental impact report (EIR) or a mitigated negative declaration (MND). This requirement facilitates implementation of all mitigation measures adopted through the California Environmental Quality Act (CEQA) process.

The MMP contained herein is intended to satisfy the requirements of CEQA as they relate to the Initial Study/Mitigated Negative Declaration prepared for the project. It is intended to be used by City of Redding (City) staff, participating agencies, project contractors, and mitigation monitoring personnel during implementation of the project.

Mitigation is defined by CEQA Guidelines Section 15370 as a measure that does any of the following:

- Avoids impacts altogether by not taking a certain action or parts of an action.
- Minimizes impacts by limiting the degree or magnitude of the action and its implementation.
- Rectifies impacts by repairing, rehabilitating, or restoring the impacted environment.
- Reduces or eliminates impacts over time by preservation and maintenance operations during the life of the project.
- Compensates for impacts by replacing or providing substitute resources or environments.

The intent of the MMP is to ensure the effective implementation and enforcement of adopted mitigation measures and permit conditions. The MMP will provide for monitoring of construction activities as necessary, onsite identification and resolution of environmental problems, and proper reporting to City staff.

In addition to meeting the CEQA MMP requirements, this document incorporates environmental commitments, standard practices, conservation measures, and best management practices (BMPs). The environmental commitments may be part of the project design, standard contract specifications, City requirements, or conservation measures. These commitments are part of the project, but they do not constitute mitigation under CEQA as they have not been incorporated to reduce a potentially significant impact.

MITIGATION MONITORING/ENVIRONMENTAL COMMITMENT PROGRAM TABLE

The MMP/ECP Table identifies the mitigation measures and commitments proposed for the project. The tables have the following columns:

- **Mitigation Measure:** Lists the mitigation measures identified within the Initial Study for a specific potentially significant impact, along with the number for each measure as enumerated in the Initial Study.
- **Environmental Commitment:** Lists the commitments identified within the project that are not related to a potentially significant CEQA impact, but further ensure environmental resource protection.
- **Timing:** Identifies at what point in time, review process, or phase the mitigation measure will be completed.
- **Agency/Department Consultation:** References the City department or any other public agency with which coordination is required to satisfy the identified mitigation measure.
- **Verification:** Spaces to be initialed and dated by the individual designated to verify adherence to a specific mitigation measure.

NONCOMPLIANCE COMPLAINTS

Any person or agency may file a complaint asserting noncompliance with the mitigation measures and commitments associated with the project. The complaint shall be directed to the City in written form, providing specific information on the asserted violation. The City shall investigate and determine the validity of the complaint. If noncompliance with a mitigation measure has occurred, the City shall take appropriate action to remedy any violation. The complainant shall receive written confirmation indicating the results of the investigation or the final action corresponding to the particular noncompliance issue.

**MITIGATION MONITORING AND ENVIRONMENTAL COMMITMENT PROGRAM TABLE
MAGNUMS AREA REMOTE SEWER PROJECT
MITIGATION MONITORING PROGRAM
(STATE CLEARINGHOUSE NO. 2025XXXXXX)**

ENVIRONMENTAL COMMITMENTS

The following environmental commitments will be incorporated into the project to further protect environmental and biological resources:

Best Management Practices	Timing/ Implementation	Enforcement/ Monitoring	Verification (Date and Initials)
Biological Resources (BIO)			
BIO-1. A Stormwater Pollution Prevention Plan (SWPPP), as required by the City of Redding Stormwater Quality Management and Discharge Control Ordinance, will be prepared to address BMPs that will be used to prevent erosion and sediment loss within the project site. BMPs such as silt fence, mulching and seeding, and straw wattles will be placed where needed to prevent sediment from leaving the site during and after construction.	Preconstruction/ Construction	City/ Construction Management	
BIO-2. Appropriate sediment control measures (e.g., silt fences, straw wattles) will be in place prior to the onset of construction activities near waters of the United States and in project areas where there is a potential for surface runoff to drain into jurisdictional waters. Sediment control measures will be monitored and maintained until construction activities have ceased.	Preconstruction/ Construction	City/ Construction Management	
BIO-3. High visibility fencing, flagging, or markers will be installed along the edges of the work zone near avoided waters and riparian areas. In addition, equipment entry and exit points; and staging, storage, and stockpile areas must be clearly marked prior to the entry of mechanized equipment or vehicles into the construction area.	Preconstruction/ Construction	City/ Construction Management	
Cultural Resources (CR)			
CR-1. If previously unidentified cultural materials are unearthed during construction, it is the City's policy that work be halted in that area until a qualified archaeologist can assess the significance of the find. Additional archaeological surveys will be needed if the proposed project undertaking limits are extended beyond the present survey area of potential effect limits.	Construction	City/ Construction Management	

Best Management Practices	Timing/ Implementation	Enforcement/ Monitoring	Verification (Date and Initials)
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 will 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 will be conducted in accordance with further direction of the County Coroner or NAHC, as appropriate.	Construction	City/NAHC/ County Coroner	
Hazards and Hazardous Materials (HAZ)			
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.	Construction	City/ Construction Management	
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 offsite.	Construction	City/ Construction Management	
HAZ-3. Secondary containment such as drip pans or absorbent materials will be used to catch spills or leaks when removing or changing fluids. Secondary containment will be used for storage of all hazardous materials.	Construction	City/ Construction Management	
HAZ-4. Spill containment and clean-up materials will be kept onsite at all times for use in the event of an accidental spill.	Construction	City/ Construction Management	
HAZ-5. Absorbent materials will be used on small spills rather than hosing down or burying the spill. The absorbent material will be promptly removed and disposed of properly.	Construction	City/ Construction Management	
HAZ-6. With the exception of vegetation clearing equipment, no vehicles or construction equipment may be operated in areas of tall, dry vegetation.	Construction	City/ Construction Management	
HAZ 7. A Fire Prevention and Suppression Plan would be developed for any maintenance and repair activities that require welding or otherwise carry a higher risk of starting a wildfire.	Preconstruction	City/ Construction Management	
Hydrology and Water Quality (WQ)			
WQ-1. All construction work and stockpiling of materials will be confined to the project disturbance area.	Construction	City/ Construction Management	

Best Management Practices	Timing/ Implementation	Enforcement/ Monitoring	Verification (Date and Initials)
WQ-2. Temporary stockpiling of excavated or imported material will be placed in upland areas.	Construction	City/ Construction Management	
WQ-3. Excess soil will be used onsite or disposed of at a regional landfill or other appropriate facility.	Construction	City/ Construction Management	

CALIFORNIA ENVIRONMENTAL QUALITY ACT MITIGATION MEASURES

Resource-specific mitigation measures that will be used during project implementation include the following:

Mitigation Measure (MM)	Timing/ Implementation	Enforcement/ Monitoring	Verification (Date and Initials)
Biological Resources (BIO)			
MM-1. Environmental awareness training for construction personnel will be conducted by a qualified biologist prior to onset of work to brief them on how to recognize and avoid impacts to all applicable species	Preconstruction	City/ Construction Management	
MM-2. A qualified biologist will conduct at least one survey within suitable aquatic and upland habitat for northwestern pond turtles and their nests within one week of construction activities.	Preconstruction	City/ Construction Management	
MM-3. If northwestern pond turtles or their nests are encountered in the work area during construction and could be harmed by construction activities, work will stop in the area. Individual turtles will be allowed to move away from the study area on their own accord. If a northwestern pond turtle nest is found, a qualified biologist (in consultation with CDFW and USFWS) will determine the extent of a construction-free buffer zone to be established around the nest.	Construction	City/ Construction Management	
MM-4. If western spadefoot toads are encountered anytime during construction, project activities will cease in the immediate vicinity until the toads move to a new location (out of harm's way) without human interference. Should relocation activity become necessary, consultation will be re-initiated with USFWS.	Construction	City/ Construction Management	
MM-5. Prior to moving equipment or materials each day, construction personnel shall inspect underneath and around equipment, other project materials (e.g., stored pipes greater than 2 inches in diameter), and trenches located within 200 feet of aquatic habitat for western spadefoot toads.	Preconstruction	City/ Construction Management	
MM-6. For work conducted during the western spadefoot toad migration and breeding season (November 1 to May 31), a qualified biologist will survey the active work areas (including access roads) in mornings following measurable precipitation events. Construction may commence once the biologist has confirmed that no spadefoot toads are in the work area.	Construction	City/ Construction Management	

Mitigation Measure (MM)	Timing/ Implementation	Enforcement/ Monitoring	Verification (Date and Initials)
MM-7. To the extent practicable, removal of brush will occur outside of the maternal denning period (i.e., July 1 through April 30) for ringtail cat. If vegetation removal is to occur during the maternal denning period (May 1 through June 30), a qualified biologist will conduct a pre-construction survey of the study area to locate maternity dens and identify measures to protect those maternity dens from disturbance. The pre-construction survey will be performed no more than seven days prior to the vegetation removal.	Construction	City/ Construction Management	
MM-8. If construction or vegetation removal occurs during the nesting season, February 1 through August 31 for birds and November 1 through July 15 for raptors, a qualified biologist shall conduct a preconstruction survey to locate active nests. The pre-construction survey will be performed no more than 7 days prior to the implementation of construction activities. If a lapse in construction activities occurs for 7 days or longer, another pre-construction survey will be performed. If an active nest is found, a qualified biologist (in consultation with the CDFW) will determine the extent of a buffer zone to be established around the nest.	Construction	City/ Construction Management	