CITY OF REDDING
777 CYPRESS AVENUE, REDDING, CA 96001
P.O. BOX 496071, REDDING, CA 96049-6071

NEGATIVE DECLARATION

Permit No. S-2019-0137, PD-2019-01371, RZ-2020-00657

SUBJECT Browning Crossing Subdivision, Planned Development, and Rezoning S-2019-0137, PD-2019-01371, RZ-2020-00657

PROJECT DESCRIPTION The project applicant is requesting approval of a tentative map, a planned development, and a rezoning for the subdivision of 6.7 acres into 50 lots for duplexes as Browning Crossing Subdivision. The project includes clearing and grading of the majority of the property to create private streets and level building pads and positive drainage. The site is void of vegetation in the area proposed for development; the drainage course along the west side is vegetated but is not proposed to be disturbed with the development. The project would also include construction of on-site streets, utility, and storm-drainage improvements necessary to serve the lots.

ENVIRONMENTAL SETTING The site is located in the City of Redding, Shasta County, California, Latitude 40.5947, Longitude -122.3516, within the United States Geological Survey (USGS) 7.5' "Enterprise, CA" quadrangle, Township 32N, Range 4W, Section 29. The site is characterized by disturbed annual grassland and valley foothill riparian habitat. A drainage lined by dense riparian vegetation occurs along the western boundary of the site. Historical human disturbances were evident throughout the site. The site is surrounded by major arterial roadways and developed land. Browning Street occurs along the southern boundary of the site, Canby Road occurs along the western boundary and Churn Creek Road occurs along the eastern boundary. To the north of the site is open land associated with a Church that has been developed with a sprawling pedestrian walkway. It was evident that the majority of the site had been historically scraped and the scraped material maintained on-site in a large spoil pile. The scraped section, along with a gravel road shoulder, an access road and several footpaths, create barren habitat within the site. The riparian zone has also been historically disturbed along the southern end of the zone where the drainage is piped underground. Further, a homeless encampment is present within the riparian zone.

FINDINGS AND DETERMINATION

The City of Redding conducted an Initial Study (attached), which determined that there is no substantial evidence, in light of the whole record, that the proposed project may have significant effect on the environment. 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.

1. **Based on the whole record (including the Initial Study and any supporting documentation), 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 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.

PUBLIC REVIEW DISTRIBUTION

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

- U.S. Army Corps of Engineers, Redding
- California Department of Fish and Wildlife, Redding
- Central Valley Regional Water Quality Control Board, Redding
- Shasta County Air Quality Management District
- Shasta County Clerk
- Defenders of Wildlife
- California Native Plant Society
- All property owners within 300 feet of the property boundary

PUBLIC REVIEW

(X) Draft document referred for comments August 6, 2020.

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

( ) Comments were received but did not address the draft 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 Negative Declaration and/or accuracy or completeness of the Initial Study were received during the public review period. The letters and responses follow (see Response to Comments, attached).

Copies of the Negative Declaration, the Initial Study, and documentation materials may be obtained at the Planning Division of the Development Services Department, City of Redding, 777 Cypress Avenue, Redding, CA 96001 and online at cityofredding.org. Contact: Zach Bonnin, Associate Planner, 530-245-7112

Lily Toy, Planning Manager

August 7, 2020
Date

LT:jz
Attachments:
A. Location Map
B. Initial Study

ENVIRONMENTAL INITIAL STUDY

INITIAL STUDY CHECKLIST
References and Documentation
Browning Crossing Subdivision and Planned Development
S-2019-01370
PD-2019-01371
RZ-2020-00657

Prepared by:
CITY OF REDDING
Development Services Department
Planning Division
777 Cypress Avenue
Redding, California 96001

August 6, 2020

CITY OF REDDING
ENVIRONMENTAL CHECKLIST FORM

1. **Project Title:**
Browning Crossing Subdivision and Planned Development consisting of Tentative Map Subdivision Map Application S-2019-01370, Planned Development Plan Application PD-2019-01371, and Rezoning Application RZ-2020-00657.

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

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

3. **Contact Person and Phone Number:**
Zach Bonnin, Associate Planner 530-245-7112

4. **Project Location:** 1010 Browning St. Redding, CA 96001 APN# 117-290-022-000

5. **Applicant's Name and Address:**
Jaxon Baker
PO Box 494312
Redding, CA 96001

Representative's Name and Address:
Jaxon Baker
PO Box 494312
Redding, CA 96001

6. **General Plan Designation:** "Residential – 10 to 20 units per acre"

7. **Zoning:** "RM-12" (Residential Multiple Family)

8. **Description of Project:** The project applicant is requesting approval of a tentative map, a planned development, and a rezoning for the subdivision of 6.7 acres into 50 lots for duplexes as Browning Crossing Subdivision and Planned Development. The project includes clearing and grading of the majority of the property to create private streets and level building pads and positive drainage. The site is void of vegetation in the area proposed for development; the drainage course along the west side is vegetated but is not proposed to be disturbed with the development. The project would also include construction of on-site streets, utility, and storm-drainage improvements necessary to serve the lots.

9. **Surrounding Land Uses and Setting:** The surrounding land uses consists of multiple-family residential uses, vacant land, and commercial. The site is bounded by multiple family residential, and is zoned commercial to the south. The subject site encompasses approximately 6.7 acres and is currently undeveloped vacant land. The property is located on a fairly level lot with elevations ranging from 600 and 630 feet above mean sea level (msl) sloping in a southwest direction. The site is sparsely vegetated on the east side of the site with trees along the western property line. Barren sections of the parcel are characterized as barren habitat and consist of graded areas with fill material.

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**
The City, as Lead Agency for the proposed project, has discretionary authority over the primary project proposal. To implement this project, the applicant may need to obtain, at a minimum, the following discretionary permits/approvals:

- California Regional Water Quality Control Board – Section 401 Water Quality Certification
- National Pollutant Discharge Elimination System (NPDES) Stormwater General Construction Permit

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

Yes, the consultation has been completed and no request for consultation has been received.

Note: *Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.*

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 Potentially Significant Unless Mitigation Incorporated" as indicated by the checklist on the following pages.

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

DETERMINATION: (To be completed by the Lead Agency)

On the basis of the initial evaluation:

X I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

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

Copies of the Initial Study and related materials and documentation may be obtained at the Planning Division of the Development Services Department, 777 Cypress Avenue, Redding, CA 96001. Contact Zach Bonnin at (530) 245-7112

Zach Bonnin, Associate Planner
Development Services Department

9-6-20
August 6, 2020

EVALUATION OF ENVIRONMENTAL IMPACTS:

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

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

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

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

- **No Impact.** The development will not have any measurable environmental impact on the environment.

- **Less Than Significant Impact.** The development will have the potential for impacting the environment, although this impact will be below established thresholds that are considered to be significant.

- **Potentially Significant Impact Unless Mitigation Incorporated.** The development will have the potential to generate impacts which may be considered as a significant effect on the environment, although mitigation measures or changes to the development's physical or operational characteristics can reduce these impacts to levels that are less than significant.

- **Potentially Significant Impact**. The development will have impacts which are considered significant, and additional analysis is required to identify mitigation measures that could reduce these impacts to less than significant levels.

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

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

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

List of attachments/references:

Attachment A – Figure 1 – Location Map
Figure 2 – Project Site Plan

SUMMARY OF MITIGATION MEASURES: N/A

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

Discussion:

a) The project must comply with the height standards of the City's Zoning Ordinance. The project would be consistent in height with buildings on adjacent properties and would not obstruct any documented scenic vistas. The proposed project would not represent a significant change to the overall scenic quality of the area.

b) The project site is not located adjacent to a state-designated scenic highway.

c) The project will be compatible with the existing visual character of the property and its surroundings.

d) The project would generate light that is customary for development and comply with the Zoning Ordinance light standards. There would not be an adverse effect on day or nighttime views in the area.

Documentation:
City of Redding General Plan, Natural Resources Element, 2000
City of Redding Zoning Ordinance, Chapter 18.40.090

Mitigation:
None necessary.

II. AGRICULTURE RESOURCES: *In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural, Land Evaluation and Site Assessment Mode (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided bin Forest Protocols adopted by the California Air Resources Board. Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Convert Prime Farmland, Unique Farmland, or Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?				X
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 5110(g))?				X
d Result in the loss of forest land or conversion of forest land to non-forest use?				X
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 land?				X

Discussion:

a-e) The project site has not been historically used for agricultural purposes, nor does it possess soils that are prime for agricultural production.

Documentation:

City of Redding General Plan, Natural Resources Element, 2000
City of Redding General Plan Background Report, Chapter 9.4: Agricultural Lands
California Department of Conservation's Farmland Mapping and Monitoring Program
United States Department of Agriculture, Soil Conservation Service and Forest Service, Soil Survey of Shasta County Area.

Mitigation:

None necessary.

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:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Conflict with or obstruct implementation of the applicable air quality plan?				X
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				X
c) Expose sensitive receptors to substantial pollutant concentrations?				X

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:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?				**X**

Discussion:

a-c) Shasta County, including the far northern Sacramento Valley, currently exceeds the State's ambient standards for ozone (smog) and particulates (fine, airborne particles). Consequently, these pollutants are the focus of local air quality policy, especially when related to land use and transportation planning. Even with application of measures to reduce emissions for individual projects, cumulative impacts are unavoidable when ozone and/or particulate emissions are involved. For example, the primary source of emissions contributing to ozone is from vehicles. Any project that generates vehicle trips has the potential of contributing incrementally to the problem. The Environmental Impact Report for the *General Plan* acknowledged this dilemma and, as a result, Findings and a Statement of Overriding Considerations were adopted by the City Council for impacts to air quality resulting from growth supported under the *General Plan*.

The City Air Quality Element of the *General Plan* establishes emission-reduction goals of 20 to 25 percent, depending on the projected level of unmitigated emissions for a project. Mitigation thresholds are established for the important regional/local pollutants, including: Reactive Organic Gases (ROG) and Oxides of Nitrogen (NOx), which are ozone precursors, and Inhalable Particulate Matter, 10 Micron (PM_{10}). The mitigation thresholds for these pollutants are tiered at two levels as follows:

Level "A"	**Level "B"**
25 pounds per day of NOx	137 pounds per day of NOx
25 pounds per day of ROG	137 pounds per day of ROG
80 pounds per day of PM_{10}	137 pounds per day of PM_{10}

If a project has unmitigated emissions less than the Level "A" threshold, then it is viewed as a minor project (from an air quality perspective) and only application of Standard Mitigation Measures (SMMs) is required to try to achieve at least a 20 percent reduction in emissions, or the best reduction feasible otherwise. Land uses that generate unmitigated emissions above Level "A" require application of appropriate Best Available Mitigation Measures (BAMMs), in addition to the SMMs, in order to achieve a net emission reduction of 20 percent or more. If, after applying SMMs and BAMMs, a use still exceeds the Level "B" threshold, then a minimum of 25 percent of the unmitigated emissions exceeding 137 pounds per day must be offset by reducing emissions from existing sources of pollution; otherwise, an Environmental Impact Report is required.

Under policy of the Air Quality Element, a project has the potential to impact air quality primarily in two ways: (1) the project would generate vehicle trip emissions (with NOx, ROG, and PM_{10}) that contribute cumulatively to local and regional air quality conditions; and (2) fugitive dust (particulate/PM_{10}) emissions are possible during construction activities. As a residential development, a project does not have the potential to generate significant emission concentrations of other pollutants subject to state and federal ambient air quality standards.

Application of Standard Mitigation Measures (SMMs) is required in order to strive toward the *General Plan* policy of a 20 percent reduction in emissions to address small-scale cumulative effects. SMMs applicable to this project address primarily short-term impacts related to construction and are standard development regulations promulgated in the City Grading Ordinance and California Building Code identified below. Application of the SMMs and the application of Best Available Mitigation Measures for NOx emissions as outlined below would reduce the project's potential air quality impacts to a level less than significant.

The following City standard regulations applied during grading and construction activities to control dust and PM_{10} emissions apply to the project.

1. Nontoxic soil stabilizers shall be applied according to manufacturer's specification to all inactive construction areas (previously graded areas inactive for ten days or more).
2. All grading operations shall be suspended when winds (as instantaneous gusts) exceed 20 miles per hour.
3. Temporary traffic control shall be provided as appropriate during all phases of construction to improve traffic flow (e.g., flag person).
4. Construction activities that could affect traffic flow shall be scheduled in off-peak hours.
5. Active construction areas, haul roads, etc. shall be watered at least twice daily or more as needed to limit dust.
6. Exposed stockpiles of soil and other backfill material shall either be covered, watered, or have soil binders added to inhibit dust and wind erosion.
7. All truck hauling solid and other loose material shall be covered or should maintain at least two feet of freeboard (i.e., minimum vertical distance between top of the load and the trailer) in accordance with the requirements of CVC Section 23114. This provision is enforced by local law enforcement agencies.
8. 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. Wheel washers shall be used where vehicles enter and exit unpaved roads onto paved roads, or trucks and any equipment shall be washed off leaving the site with each trip.
9. Alternatives to open burning of cleared vegetative material on the project site shall be used unless otherwise deemed infeasible by the City Planning Division. Suitable alternatives include, but are not limited to, on-site chipping and mulching and/or hauling to a biomass fuel site.

d) Potential impacts to neighboring homes (sensitive receptors) from fugitive dust caused during construction are mitigated by application of the SMMs discussed above.

e) The project does not involve land use that could generate objectionable odors affecting substantial number of people.

Documentation:
Shasta County APCD Air Quality Maintenance Plan and Implementing Measures
City of Redding General Plan, Air Quality Element
City of Redding General Plan Final Environmental Impact Report, 2000, SCH #1998072103, Chapter 8.6, Air Quality,
CEQA Findings of Fact and Statement of Overriding Considerations for the *City of Redding General Plan Final Environmental Impact Report*, as adopted by the Redding City Council on October 3, 2000, by Resolution 2000-166
City of Redding General Plan Background Report, Chapter 9.7, Natural Resources and Air Quality

Mitigation:
None necessary.

IV. BIOLOGICAL RESOURCES: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?			X	
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local of regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?			X	

IV. **BIOLOGICAL RESOURCES**: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No 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?			X	
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?				X
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
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?				X

Discussion:

a-d) The site is located in the City of Redding, Shasta County, California, Latitude 40.5947, Longitude -122.3516, within the United States Geological Survey (USGS) 7.5' "Enterprise, CA" quadrangle, Township 32N, Range 4W, Section 29. The site is characterized by disturbed annual grassland and valley foothill riparian habitat. A drainage lined by dense riparian vegetation occurs along the western boundary of the site. Historical human disturbances were evident throughout the site and the site is surrounded by major arterial roadways and developed land. Browning Street occurs along the southern boundary of the site, Canby Road occurs along the western boundary and Churn Creek Road occurs along the eastern boundary. To the north of the site is open land associated with a Church that has been developed with a sprawling pedestrian walkway. It was evident that the majority of the site had been historically scraped and the scraped material maintained on-site in a large spoil pile. The scraped section, along with a gravel road shoulder, an access road and several footpaths, create barren habitat within the site. The riparian zone has also been historically disturbed along the southern end of the zone where the drainage is piped underground. Further, a homeless encampment is present within the riparian zone. The project has been designed to avoid direct impacts to the drainage and provides a sufficient buffer along the edge of the feature to avoid riparian impacts. A biological report was prepared by Gallaway Enterprises, dated January 2020. The study contains the following determinations:

- Any potential for wetland or biological impacts would occur on the western side of the site in the drainage course that runs from north to the south.
- The project as designed will not impact any potentially sensitive species.
- The project as designed will not impact any Waters of the US, wetlands, or other riparian features.

e) The tree cover on the site is limited to mix of trees such as cottonwood and oaks that are associated with the drainage feature on the west side of the site. The remaining portion of the site has been cleared of trees years ago and will have little to no impact to the remaining trees on the site. While the planned avoidance of drainage area on the project will result in a greenbelt with the retention of numerous trees.

The City has adopted a Tree Management Ordinance (Chapter 18.45 of the RMC) that promotes the conservation of mature, healthy trees in the design of new development. The ordinance also recognizes that the preservation of trees will sometimes conflict with necessary land-development requirements. The *City's General Plan EIR* further acknowledges that preservation of native trees will sometimes conflict with normal land development and that implementation of the *General Plan* will ultimately set aside over 7,000 acres of open space, much of which contains oak habitat. But efforts must still be made to retain existing trees if reasonably possible, and to sufficiently plant new trees in the context of the new development. A tree survey is required to identify natural trees and tree groups most suitable for preservation or "candidate trees/groups." Where all identified candidate trees/groups cannot be preserved, the set-aside of a natural area or areas within a project site that is particularly

suitable for the planting, retention, and/or natural regeneration of trees is considered to be a desirable means of accomplishing the goals of the ordinance.

In addition to tree retention efforts, the developer is also obligated to replant suitable new trees at the time of home construction for shade and the enjoyment of residents. The Tree Management Ordinance identifies minimum planting criteria of one tree per 500 square feet of gross living area. Thus, with retention of trees in the proposed drainage area and the planting of new trees as a standard condition of development, the project is consistent with the intent of the Tree Management Ordinance.

f) No habitat conservation plans or other similar plans have been adopted for the project site or project area. No impact would occur in this regard.

Documentation:
California Department of Fish and Wildlife: Natural Diversity Data Base
City of Redding General Plan, Natural Resources Element, 2000
City of Redding Municipal Code, Chapter 18.45, Tree Management Ordinance
City of Redding General Plan Environmental Impact Report, 2000, SCH #1998072103

Mitigation:
None necessary.

V. CULTURAL RESOURCES: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?				X
c) Disturb any human remains, including those interred outside of dedicated cemeteries?				X

Discussion:

a-c) Based upon archaeological reports, records searches, and information contained in the *General Plan* EIR pertinent to the vicinity of the subject property, it has been determined that the project site is not in an area of archaeological or cultural sensitivity. No impacts in this area are anticipated.

Documentation:
City of Redding General Plan Background Report, 1998
City of Redding General Plan Final Environmental Impact Report, 2000, SCH #1998072103

Mitigation:
None necessary.

VI. Energy: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?				X

VI. Energy: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?				X

Discussion:

a) The project is proposing residential units that will be constructed under the new 2020 California Green Building code standards and each unit will be required to meet the new 100% net zero energy requirements.

b) The project will be subject to all of the State rules in regards to energy efficient homes. The City of Redding runs its own electrical utility, and has a renewable energy plan to provide renewable energy to all of the City residents. The projects proposed residential units will utilize Redding Electric Utility power and its renewable energy plan.

Documentation:
City of Redding General Plan, Air Quality Element, 2000
California Long-Term Energy Efficiency Strategic Plan, 2011
Regional Transportation Plan for Shasta County, 2015

Mitigation:
None necessary.

VII. GEOLOGY AND SOILS: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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 Publications 42. ii) Strong seismic ground shaking? iii) Seismic-related ground failure, including liquefaction? iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?				X
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?				X
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?				X

VII. GEOLOGY AND SOILS: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				X

Discussion:

a, c, d) There are no Alquist-Priolo earthquake faults designated in the Redding area of Shasta County. There are no other documented earthquake faults in the immediate vicinity that pose a significant risk, and the site is located in an area designated in the Health and Safety Element of the *General Plan* as having a low ground-shaking potential. The project is not located on or near any documented landslide hazard areas, and there is no evidence of ground slippage or subsidence occurring naturally on the site. The type of soils and underlying geology is identified as having no potential for liquefaction. No portion of the site falls within the 100-year floodplain of the Sacramento River or any creek.

b) The project site has been previously disturbed and erosion control measures have been put in place to address the previously completed grading on the site. The new grading that will be required for the project will be subject to certain erosion-control requirements mandated by existing City and State regulations. These requirements include:

- *City of Redding Grading Ordinance.* This ordinance requires the application of "Best Management Practices" (BMPs) in accordance with the City Erosion and Sediment Control Standards Design Manual (Redding Municipal Code Section 16.12.060, Subsections C, D, E). In practice, specific erosion-control measures are determined upon review of the final project improvement plans and are tailored to project-specific grading impacts.
- *California Regional Water Quality Board "Construction Activity Storm Water Permit."* This permit somewhat overlaps the City's Grading Ordinance provision by applying state standards for erosion-control measures during construction of the project.
- *California Regional Water Quality Control Board "Project Storm Water Pollution Prevention Plan (SWPPP)."* This plan emphasizes stormwater best management practices and is required as part of the Construction Activity Storm Water Permit. The objectives of the SWPPP are to identify the sources of sediment and other pollutants that affect the quality of stormwater discharges and to describe and ensure the implementation of practices to reduce sediment and other pollutants in stormwater discharges.
- *California Department of Fish and Wildlife "1600 Agreement."* This notification is required for any work within a defined streambed and will be applicable to impacts to Little Churn Creek Drainage.
- *U.S. Army corps of Engineers Nationwide Permit.* A new Nationwide 29 Permit (residential developments) will be required from the U.S. Army Corps of Engineers to address impacts to jurisdictional waters.

Actions for compliance with these regulations are addressed under standard conditions of approval, which are uniformly applied to all land development projects. Since the project is subject to uniformly applied ordinances and policies and the overall risk of erosion is low, potential impacts related to soil erosion and sedimentation are less than significant.

f) The proposed project does not involve the use of septic tanks or alternative wastewater disposal. No impact has been identified.

g) No unique geologic features, fossil-bearing strata, or paleontological sites are known to exist on the project site.

Documentation:
City of Redding Health and Safety Element, figures 4-1 (Ground Shaking Potential) and 4.2 (Liquefaction Potential)
City of Redding General Plan Final Environmental Impact Report

City of Redding General Plan Background Report, 1998
City of Redding Grading Ordinance, RMC Chapter 16.12
City of Redding Standard Specifications, Grading Practices
City of Redding Standard Development Conditions for Discretionary Approvals
Soil Survey of Shasta County Area, United States Department of Agriculture, Soil Conservation Service and Forest Service, August 1974
Division of Mines and Geology Special Publication 42
State Regional Water Quality Control Board, Central Valley Region, Regulations related to Construction Activity Storm Water Permits and Storm Water Pollution Prevention Plans

Mitigation:
None necessary.

VIII. GREENHOUSE GAS EMISSIONS: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?				X
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?				X

Discussion:

a) In 2005, the Governor of California signed Executive Oder S-3-05, establishing that it is the State of California's goal to reduce statewide greenhouse gas (GHG) emission levels. Subsequently, in 2006, the California State Legislature adopted Assembly Bill AS 32, the California Global Warming Solutions Act. In part, AB 32 requires the California Air Resources Board to develop and adopt regulations to achieve a reduction in the State's GHG emissions to year 1990 levels by year 2020.

California Senate Bill SB97 established that an individual project's effect on GHG emission levels and global warming must be assessed under CEQA. SB97 further directed that the State Office of Planning and Research (OPR) develop guidelines for the assessment of a project's GHG emissions. Those guidelines for GHG emissions were subsequently included as amendments to the CEQA Guidelines. The guidelines did not establish thresholds of significance and there are currently no state, regional, county, or city guidelines or thresholds with which to direct project-level CEQA review. As a result, the City of Redding has utilized the best available information to develop a threshold until a specific quantitative threshold is adopted by the state or regional air district.

As the Lead Agency, the City has opted to utilize a quantitative non-zero project-specific threshold using a methodology recommended by the California Air Pollution Officers (CAPCOA) and accepted by the California Air Resources Board. According to CAPCOA's *Threshold 2.3, CARB Reporting Threshold,* 10,000 metric tons of carbon-dioxide equivalents per year (mtCO2eq/yr) is recommended as a quantitative non-zero threshold. According to the CAPCOA, this threshold would be equivalent to 550 dwelling units, 400,000 square feet of office use, 120,000 square feet of retail, or 70,000 square feet of supermarket use. This approach is estimated to capture over half the future residential and commercial development projects and is designed to support the goals of AB 32 and not hinder it.

The United States Environmental Protection Agency (EPA) identifies four primary constituents that are most representative of the GHG emissions. They are:

- **Carbon Dioxide (CO_2):** Emitted primarily through the burning of fossil fuels. Other sources include the burning of solid waste and wood and/or wood products and cement manufacturing.
- **Methane (CH_4):** Emissions occur during the production and transport of fuels, such as coal and natural gas. Additional emissions are generated by livestock and agricultural land uses, as well as the decomposition of solid waste.

- **Nitrous Oxide (N_2O):** The principal emitters include agricultural and industrial land uses and fossil fuel and waste combustion.
- **Fluorinated Gases:** These can be emitted during some industrial activities. Also, many of these gases are substitutes for ozone-depleting substances, such as CFC's, which have been used historically as refrigerants. Collectively, these gases are often referred to as "high global-warming potential" gases.

The primary generators of GHG emissions in the United States are electricity generation and transportation. The EPA estimates that nearly 85 percent of the nation's GHG emissions are comprised of carbon dioxide (CO_2). The majority of CO_2 is generated by petroleum consumption associated with transportation and coal consumption associated with electricity generation. The remaining emissions are predominately the result of natural-gas consumption associated with a variety of uses.

With regard to the project, the predominant associated GHG is CO_2 generated by motor-vehicle travel to and from the site. To a substantially lesser degree, the project will result in CH_4 emissions associated with use of electric power generated by the Redding Electric Utility (REU), though it should be noted that REU distributes power from a variety of sources, including hydroelectric, wind, and natural gas.

On a larger scale, the City of Redding's General Plan acknowledges that land use decisions have an impact on climate and air quality. Land use decisions that result in low or very low density on the periphery of the community increase the amount of vehicle-miles traveled (VMT), which increases vehicle emissions. In response to this impact, the City's *General Plan* includes a number of goals and policies in the Community Development and Design Element, Transportation Element, and Housing Element that promote a compact urban form and encourage infill development, advocate higher housing density, and ensure connectivity to citywide bikeways and pedestrian plans. The goal of these policies is to reduce VMT, which also reduces emissions and reduces a wide variety of air quality impacts. Since automobiles are considered a major source of GHG emission, each vehicle trip reduced also reduces GHG emissions.

[1] CPCOA website, July 19, 2010

[2] California Office of the Attorney General, "The California Environmental Quality Act Addressing Global Warming Impacts at the Local Agency Level," updated May 21, 2008.

Documentation:
City of Redding General Plan, 2000

Mitigation:
None necessary.

IX. HAZARDS AND HAZARDOUS MATERIALS: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				X
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?				X
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
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?				X

IX. HAZARDS AND HAZARDOUS MATERIALS: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	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?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
g) Expose people or structures, either or indirectly, to a significant risk of loss, injury, or death involving wildland fires?				X

Discussion:

a, b, c, d) The nature of the project as a residential subdivision does not present a significant risk related to hazardous materials or emissions. There is no documented hazardous material sites located on or near the project.

e) The project is located outside the established approach/departure clear zones for Redding Municipal Airport. The project's land use of low-density residential would not conflict with operations of the Airport or present a safety hazard to people residing in the subdivision.

f) The project does not involve a use or activity that could interfere with emergency-response or emergency-evacuation plans for the area.

g) The project site does not have a wildland fire-hazard potential. The site has been disturbed in the past and is surrounded primarily by developed residential and commercial lots.

Documentation:
City of Redding General Plan, Health and Safety Element, 2000

Mitigation:
None necessary.

X. HYDROLOGY AND WATER QUALITY: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?				X
b) Substantially decease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?				X
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:			X	
i) Result in substantial erosion or siltation on- or off-site;			X	
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;			X	

X. HYDROLOGY AND WATER QUALITY: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No 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			X	
iv) Impede or redirect flood flows?				X
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				X

Discussion:

a) Since the project would be served by City sanitary sewer service, the project would not involve any permitted discharges of waste material into ground or surface waters.

b) The project would utilize City water service for domestic uses and fire protection. The proposed project would not impact groundwater supplies.

c) The project is subject to standard requirements defined under Section VI., *Geology and Soils*, and mitigation measures (if any) under Section IV., *Biological Resources*, above that minimize the potential for erosion or siltation on- or off-site. The final improvement plans for the project must also incorporate specific design measures intended to limit pollutant discharges in stormwater from urban improvements as established under the State's National Pollutant Elimination System (NPDES) general permit, which the City is now obligated to follow in accordance with State Water Quality Control Order No. 2003-0005-DWQ. Feasible Best Management Practices (BMPs) would be incorporated in the final design of the project's storm-drain system, as approved by the City Engineer, based on the BMPs listed in the latest edition of the California Storm Water Quality Association Storm Water Best Management Practices Handbook.

City of Redding Policy 1806 requires that all subdivision development include stormwater detention facilities designed to maintain existing predevelopment rates of runoff during a 10-, 25-, and 100-year storm event with a 6-hour duration. The project application includes a stormwater hydrology analysis prepared by Jack Humphrey and Duane Miller and dated March 17, 2020 that concludes that: there is no FEMA designated floodplain associated with the drainage but is a significant drainage facility that has the potential to be impacted if the drainage were to be filled or piped. The design of the subdivision, does not include significant impacts to the drainage facility and will not impact the hydrology of the drainage course.

d, e) 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. However, neither lake has been identified in the Health and Safety Element of the General Plan as having any risk to the City under such circumstances. There is no documented threat of mudflows affecting the project site.

Documentation:
City of Redding General Plan Background Report, Chapter 10, Health and Safety Element, 1998
Federal Emergency Management Agency Floodplain regulations, FIRM map [Number], dated March 17, 2011
City of Redding Storm Drain Master Plan, Montgomery-Watson Engineers 1993

Mitigation:
None necessary.

XI. LAND USE AND PLANNING: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
a) Physically divide an established community?				**X**
b) Cause a significant environmental impact due to conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				**X**

Discussion:

a) The project does not have the potential to physically divide an established community.

b) The project is compatible with the applicable policies and regulations of the City General Plan and Zoning Ordinance and is not in conflict with any other Plan adopted by a jurisdictional agency for the purpose of avoiding or mitigating an environmental effect.

There is no habitat conservation or natural community conservation plans that are applicable to the site.

Documentation:
City of Redding General Plan, Community Development Element, 2000
City of Redding General Plan Environmental Impact Report, 2000, SCH #1998072103
City of Redding General Plan, Natural Resources Element, 2000

Mitigation:
None necessary.

XII. MINERAL RESOURCES: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
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?				**X**
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?				**X**

Discussion:

a, b) The project site is not identified in the General Plan as having any known mineral-resource value or as being located within any "Critical Mineral Resource Overlay" area.

Documentation:
City of Redding General Plan, Natural Resources Element, 2000

Mitigation:
None necessary.

XIII. NOISE: *Would the project result in:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?				X
b) Generation of excessive ground-borne vibration or ground-borne noise levels?				X
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?				X

Discussion:

a, b, c) The project site is located at the corner of Canby Road and Browning Street in Redding, CA. The City of Redding *General Plan* Noise Element establishes 60 dB Ldn as the standard acceptable exterior noise level for residential land use and 45dB Ldn for interior noise levels (40dB in sleeping areas). The installation of an appropriate noise barrier (solid wall or berm/wall combination), traffic noise would be attenuated to an acceptable level. The Noise Element of the *General Plan* allows for higher exterior noise level than 60dB, provided that practical noise-level reduction measures are implemented and that interior noise levels are 45dB or less (Table 5-4, Noise Element of *General Plan*).

Table 5-2 of the Noise Element presents projected noise contours from the major road segments in the City. This table indicates that the projected 60 dB noise contour extends 108 ft, well away from the individual residential units.

There are no non-transportation-related noise- or vibration-generating sources in the general vicinity of the project.

During the construction of the proposed project, there will be a temporary increase in noise in the project vicinity above existing ambient noise levels. The most noticeable construction noise will be related to grading, utility excavation, and land-clearing activity. The City's Grading Ordinance (RMC Chapter 16.12.120.H) limits 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. Since heavy construction work associated with the project is limited in scope and by existing regulation, the anticipated noise impact to neighboring residents is considered less than significant.

c) The proposed subdivision site is not located within any of the noise contours of Redding Municipal Airport and is located approximately three miles from the site. There are no private airstrips in the vicinity of the project site.

Documentation:
City of Redding General Plan, Noise Element, 2000
City of Redding Grading Ordinance Redding Municipal Code, Section 16.12.120
City of Redding General Plan, Transportation Element, 2000
City of Redding Zoning Ordinance Redding Municipal Code, Section 18.40.100
City of Redding Municipal Airport Area Plan

Mitigation:
None necessary.

XIV. POPULATION AND HOUSING: *Would the project:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
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)*?				X
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

Discussion:

a, b) The project would create opportunity for the construction of new homes as planned and anticipated by the Redding *General Plan*. As previously noted, the project is similar in character to that in the surrounding area. The project would not induce unplanned population growth and does not propose the extension of any new roads or utilities not anticipated by the *General Plan*. The project does not displace substantial numbers of people or substantial numbers of existing housing. The project will be providing housing.

Documentation:
City of Redding General Plan, Housing Element, 2014

Mitigation:
None necessary.

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 public services:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
Fire Protection?			X	
Police Protection?			X	
Schools?			X	
Parks?			X	
Other public facilities?			X	

Discussion:

Fire and Police Protection:

The City would provide police and fire protection to the project from existing facilities and under existing service levels. The size of the project would not mandate the need for additional police or fire facilities.

The project is subject to Chapter 16.20 of the Redding Municipal Code, which requires new development to pay a citywide fire facilities-impact fee calculated to mitigate a project's fair share of cumulative impacts to the City's fire-protection infrastructure based upon improvements necessary to accommodate new development under the City's *General Plan*.

Schools:

The project is located in the Redding Elementary School District and Shasta High School District and may contribute to the total student enrollment in these districts. However, a school-facility impact (in-lieu) fee exists, as provided under State law that is paid

prior to the issuance of a building permit for each residential unit to address school-facility funding necessitated by the effects of growth citywide.

Parks:

The project will not cause a physical deterioration of an existing park facility or cause an adverse physical impact associated with a new park facility. The project is subject to Chapter 16.20 of the Redding Municipal Code, which requires new residential development to pay a citywide park and recreation-facilities impact fee calculated to mitigate a project's fair share of cumulative impacts to the City's parks and recreation infrastructure based upon improvements necessary to accommodate new development under the City's General Plan. See discussion under Item XVI (Recreation) below.

Other public facilities:

See discussion under Item XVIII (Utilities and Service Systems) below.

Documentation:
City of Redding General Plan, Public Facilities Element, 2000

Mitigation:
None necessary.

XVI. RECREATION:	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
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?			X	
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?			X	

Discussion:

a) The project will not cause a physical deterioration of an existing recreation facility or cause an adverse physical impact associated with a new recreation facility.

Chapter 17.42 of the City's Subdivision Ordinance, *Park and Recreational Land Dedications* and *In-Lieu Fees*, requires that as a condition of approval of a tentative map, a subdivider shall either dedicate land or pay a fee in lieu thereof for park or recreation purposes. In accordance with state subdivision law, only projects containing 50 or more lots may be *required* to dedicate land for park development.

There are no neighborhood or regional parks in the vicinity of this project. Residents do have the potential to utilize other parks within the City outside the vicinity of the project. Recreational development fees are collected by the City at the time of issuance of a building permit to offset any impacts to regional park facilities and to raise funds to provide for new recreational facilities.

There would not be any potentially significant impacts to recreation associated with the project.

Documentation:
City of Redding General Plan, Natural Resources Element, 2000
City of Redding General Plan, Recreation Element, 2000
City of Redding General Plan, Public Facilities Element, 2000

Mitigation:
None necessary.

XVII. TRANSPORTATION: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?				X
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b)?				X
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
d) Result in inadequate emergency access?			X	

Discussion:

a, b, c) Access to the subdivision would be derived from Browning Street. The *General Plan* Transportation Element and the *General Plan* Background Report identify Browning Street as an arterial roadway.

The Transportation Element of the *General Plan* establishes acceptable peak-hour "Level of Service" (LOS) criteria for roadways and intersections for use in transportation planning and project review. The LOS methodology has been replaced by the Vehicle Miles Traveled (VMT) method and the projects are evaluated with respect to significant impacts based on the VMT method. The City of Redding has established a basic threshold for impacts based on the size of the subdivision. The proposed project did not meet the City's thresholds for a traffic study, and would not cause significant impacts to traffic as a result of the development.

The project is subject to Chapter 16.20 of the Redding Municipal Code, which requires new development to pay a citywide transportation development impact fee calculated to mitigate a project's fair share of cumulative impacts to the City's street- and traffic-control infrastructure based upon improvements necessary to accommodate new development under the City's *General Plan*.

The project would not conflict with any program, plan, ordinance, or policy addressing the circulation system. The project will not conflict with CEQA guidelines section 15064.3(b).

d) Access to the site is provided by way of Browning Street. The Redding Fire Marshal has deemed this to be adequate access for emergency access and fire protection. The design of the project limits the number of units to 50 units which does not necessitate a secondary access.

With the streets proposed in the Browning Crossing Subdivision and Planned Development, there will be one main access point on Browning Street, with these measures, there would be adequate emergency access to the proposed subdivision.

General Plan Health and Safety Policies HS4J and HS4I generally require that residential neighborhoods having 50 or more dwelling units have at least two points of public-street access and that cul-de-sac or dead-end street lengths not exceed 600

feet. The project is under the 50-lot threshold for a second access; therefore, the project complies with *General Plan* Policy HS4J.

Documentation:
City of Redding General Plan, Transportation Element, 2000
City of Redding General Plan Environmental Impact Report, 2000, SCH #1998072103
City of Redding Parks, Trails, and Open Space Master Plan, 2018
City of Redding Traffic Impact Fee Program
City of Redding Active Transportation Plan, 2018
Redding Area Bus Authority System Map and Route Guide, October 2000

Mitigation:
None necessary.

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:*	**Potentially Significant Impact**	**Less-Than-Significant With Mitigation Incorporated**	**Less-Than-Significant Impact**	**No Impact**
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				**X**
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.				**X**

Discussion:

a) The site has not been identified to be eligible for any historical resources and is not on any lists for historical resources.

b) The project has been referred to the tribes with a potential interest in the project. To date, no tribes have responded with any interest in the project or has there been any information provided to the Lead Agency that would cause the Agency to be aware of any resources on or near the project site.

Documentation:
The required documentation is on file at the City of Redding.

Mitigation:
None necessary.

XIX. UTILITIES AND SERVICE SYSTEMS: *Would the project:*	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water or wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities , the construction or relocation of which could cause significant environmental effects?			X	
b) Have sufficient water supplies available to serve the project and reasonably forseeable future development during normal, dry and multiple dry year			X	
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?			X	
d) Generate solid waste in excess of State or local standards, or infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e) Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?				X

Discussion:

a) Wastewater generated from the project would be that associated with Browning Preserve Subdivision discharged into the City sanitary sewer system. This type and intensity of land use activity does not generate wastewater demands that would exceed treatment requirements of the Regional Water Quality Control Board.

The proposed development does not generate the need for the construction of new water or wastewater-treatment facilities.

The project is subject to Chapter 16.20 of the Redding Municipal Code, which requires new development to pay water- and sewer-impact fees calculated to mitigate a project's fair share of cumulative impacts to the City's water and sewer distribution, collection, and treatment infrastructure based upon improvements necessary to accommodate new development under the City's *General Plan*.

Project-related stormwater-management improvements consist of construction of collection and conveyance systems in accordance with City construction standards and City Policy 1806 pertaining to stormwater detention (also see IX, *Hydrology and Water Quality*, d and e).

The project is subject to Chapter 16.20 of the Redding Municipal Code, which requires new development to pay a storm-drainage impact fee calculated to mitigate a project's fair share of cumulative impacts to the City's storm-drain infrastructure based upon improvements necessary to accommodate new development under the City's *General Plan*.

b) Potable water is available from the Bella Vista Water District to serve the project with adequate pressure and flows for fire suppression. The demands of the project can be accommodated within the Bella Vista Water district existing water resources.

c) The project will utilize the City's sanitary sewer system to dispose of wastewater. Adequate sewer capacity is available in the City's existing system.

d, e) The City provides solid waste disposal (curbside pick-up) service, which homes in the subdivision would utilize. Adequate capacity is available to serve the needs of the project without need of special accommodation. The City regulates and operates programs that promote the proper disposal of toxic and hazardous materials from households, including those created by the project.

Documentation:
City of Redding General Plan, Public Facilities Elements, 2000
City of Redding Water and Sewer Atlas

Mitigation:
None necessary.

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

Discussion:

a) While the project is located within a mapped high fire severity zone, it would not impair an emergency response plan or emergency evacuation plan.

b) The project is located in central Redding, along Browning Street and would not exacerbate wildfire risks or expose project occupants to pollutant concentrations from a wildfire.

c) The project would not require the installation or maintenance of associated infrastructure that could exacerbate wildfire risks.

d) The project would not expose people or structures to downstream flooding or landslides.

Documentation:
CalFire, Fire Hazard Severity Zone Maps, Shasta County, 2008

Mitigation:
None necessary.

XXI. MANDATORY FINDINGS OF SIGNIFICANCE:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below the self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			X	
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)?			X	
c) Does the project have potential environmental effects which may cause substantial adverse effects on human beings, either directly or indirectly?			X	

Discussion:

Based on the analysis undertaken as part of this Initial Study, the following findings can be made:

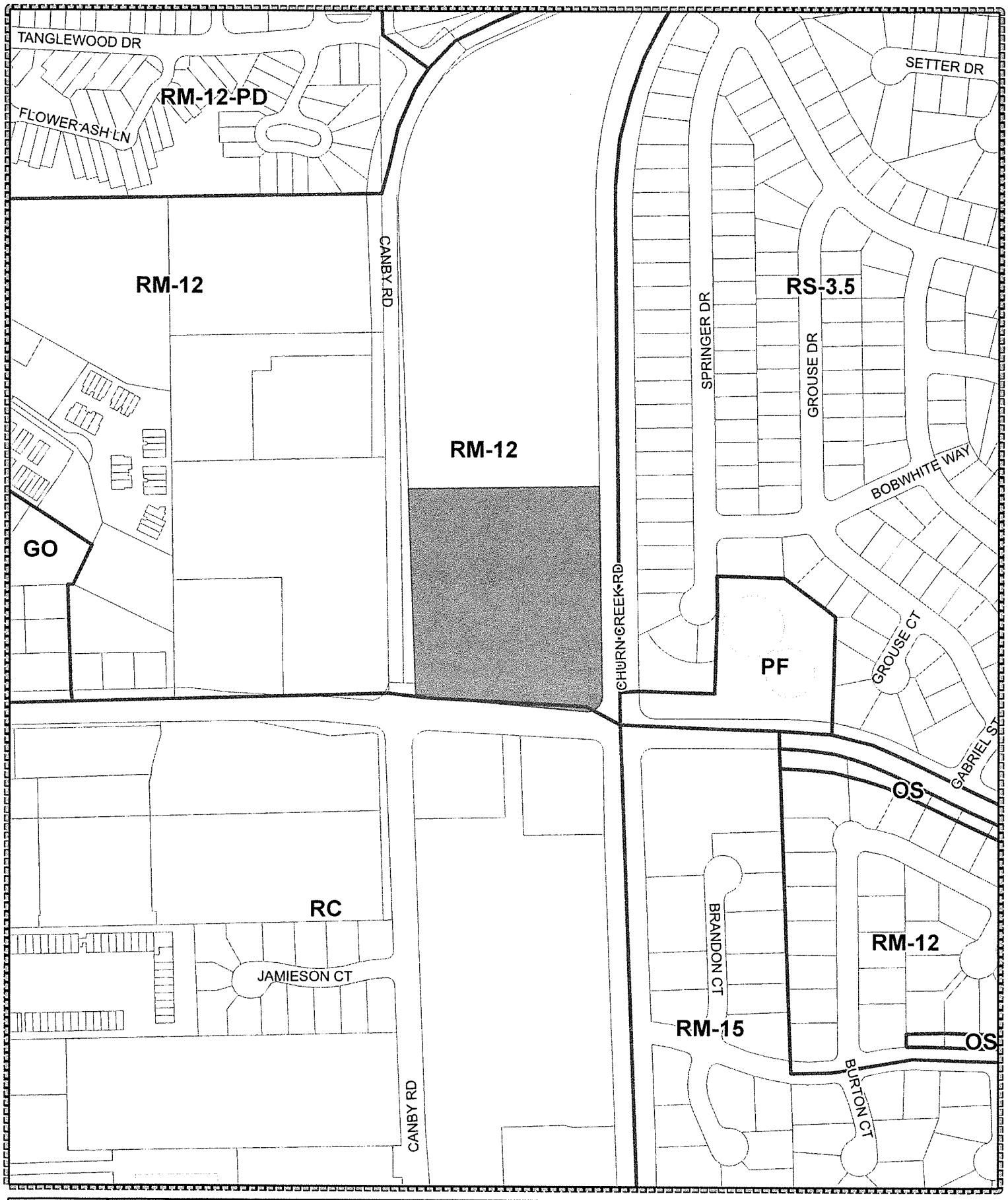
a) The project does not have the potential to degrade the quality of the environment, reduce or degrade wildlife habitat, or eliminate examples of history or prehistory.

b) As discussed in Item III, the project will contribute to region-wide cumulative air quality impacts. However, under policy of the *General Plan*, application of Standard Mitigation Measures (SMMs) will eliminate the potential for air quality impacts from this project.

c) As discussed herein, the project does not have characteristics which could cause substantial adverse effects on human beings, either directly or indirectly.

Documentation:
See all Sections above.

Mitigation:
None necessary.



N W E S	**GIS DIVISION** INFORMATION TECHNOLOGY DEPARTMENT	**ZONING MAP**	MTG. DATE:
	DATE PRODUCED: AUGUST 21, 2019 0 200 400 Feet	S-2019-01370 / PD-2019-01371 / RZ-2020-00657 BROWNING CROSSING SUBDIVISION & PLANNED DEVELOPMENT 1010 BROWNING STREET AP# 117-290-022	ITEM: ATTACHMENT:
P:\Planning\Pro Projects\S\S-2019-01370.aprx			