

Exhibit M

CITY OF FRESNO

**NOTICE OF INTENT TO ADOPT A
MITIGATED NEGATIVE DECLARATION**

**ENVIRONMENTAL ASSESSMENT FOR VESTING
TENTATIVE TRACT MAP NO. 6183/UGM AND VESTING
TENTATIVE TRACT MAP NO. 6184/UGM**

APPLICANT:

Bonique Emerson

Precision Civil Engineering, Inc.

1234 O Street

Fresno, CA 93721

PROJECT LOCATION:

Located on the northeast and northwest corners of West Madison and South Valentine Avenues in the City and County of Fresno, California (See Exhibit A - Vicinity Map)

APNs: 326-100-36, 67

T-6183 Site Latitude: 36°45'45.59" N & Site Longitude:
119°51'20.48" W

T-6184 Site Latitude: 36°43'44.47" N & Site Longitude:
119°51'7.34" W

Mount Diablo Base & Meridian, Township 14S, Range 19E,
Section 12

Filed with the
FRESNO COUNTY CLERK
2220 Tulare Street, Fresno, CA 93721

E202010000229

FILED

JUN 26 2020

TIME

4:08pm

FRESNO COUNTY CLERK

By *J. James*
DEPUTY

The full Initial Study and the Fresno General Plan Master Environmental Impact Report (MEIR) are on file in the Planning and Development Department, Fresno City Hall, 3rd Floor, Room 3043, 2600 Fresno Street, Fresno, CA 93721.

PROJECT DESCRIPTION:

Bonique Emerson of Precision Civil Engineering, Inc., on behalf of Fagundes Brothers Dairy, has filed Vesting Tentative Tract Map No. T-6183/UGM pertaining to ±17.76 acres of property located on the northwest corner of West Madison and South Valentine Avenues and Vesting Tentative Tract Map No. 6184/UGM pertaining to ±3.77 acres of property located northeast of the northeast corner of West

Madison and South Valentine Avenues. Vesting Tentative Tract Map No. 6183/UGM is a request to subdivide ±17.76 acres of property into a 66-lot single-family residential development. Vesting Tentative Tract Map No. 6184/UGM is a request to subdivide ±3.77 acres of property into an 18-lot single-family residential development.

The project will also require dedications for public street rights-of-way and utility easements as well as the construction of public facilities and infrastructure in accordance with the standards, specifications, and policies of the City of Fresno in order to facilitate the future proposed development of the subject property.

The subject property for Vesting Tentative Tract Map No. 6183 is located within the boundaries of the Fresno General Plan. The subject property for Vesting Tentative Tract Map No. 6184 is located within the boundaries of the Fresno General Plan and Southwest Fresno Specific Plan.

The City of Fresno has prepared an Initial Study of the above-described project and proposes to adopt a Mitigated Negative Declaration. The environmental analysis contained in the Initial Study is tiered from the MEIR State Clearinghouse No. 2012111015 prepared for the Fresno General Plan pursuant to CEQA Guidelines § 15152 and incorporates the MEIR by reference pursuant to CEQA Guidelines § 15150.

Pursuant to the California Public Resources Code (PRC) §§ 21093 and 21094 and California Environmental Quality Act (CEQA) Guidelines §§ 15070 to 15075, 15150, and 15152, this project has been evaluated with respect to each item on the attached Appendix G/Initial Study Checklist to determine whether this project may cause any additional significant effect on the environment, which was not previously examined in the MEIR. After conducting a review of the adequacy of the MEIR pursuant to PRC § 21157.6(b)(1) and CEQA Guidelines §§ 15151 and 15179(b), the Planning and Development Department, as lead agency, finds that no substantial changes have occurred with respect to the circumstances under which the MEIR was certified and that no new information, which was not known and could not have been known at the time that the MEIR was certified as complete, has become available.

The completed Appendix G/Initial Study Checklist, its associated narrative, technical studies and proposed mitigation measures reflect applicable comments of responsible and trustee agencies and research and analyses conducted to examine the interrelationship between the proposed project and the physical environment. The information contained in the project application and its related environmental assessment application, responses to requests for comment, checklist, initial study narrative, and any attachments thereto, combine to form a record indicating that an Initial Study has been completed in compliance with the State CEQA Guidelines and the CEQA.

All new development activity and many non-physical projects contribute directly or indirectly toward cumulative impacts on the physical environment. It has been determined that the incremental effect contributed by this project toward cumulative impacts is not considered substantial or significant in itself, and/or that cumulative impacts accruing from this project may be mitigated to less than significant with application of feasible mitigation measures.

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Based upon the evaluation guided by the Appendix G/Initial Study Checklist, it was determined that there are foreseeable impacts from the Project that are additional to those identified in the MEIR, and/or impacts which require mitigation measures not included in the MEIR Mitigation Measures Checklist.

For some categories of potential impacts, the checklist may indicate that a specific adverse environmental effect has been identified which is of sufficient magnitude to be of concern. Such an effect may be inherent in the nature and magnitude of the project, or may be related to the design and characteristics of the individual project. Effects so rated are not sufficient in themselves to require the preparation of an Environmental Impact Report, and have been mitigated to the extent feasible. With the project specific mitigation imposed, there is no substantial evidence in the record that this project may have additional significant, direct, indirect or cumulative effects on the environment that are significant and that were not identified and analyzed in the MEIR. Both the MEIR Mitigation Measures Checklist and the Project Specific Mitigation Measures Checklist will be imposed on this project.

The project is not located on a site which is included on any of the lists enumerated under § 65962.5 of the Government Code including, but not limited to, lists of hazardous waste facilities, land designated as hazardous waste property, hazardous waste disposal sites and others, and the information in the Hazardous Waste and Substances Statement required under subdivision (f) of that Section.

The Initial Study has concluded that the proposed project will not result in any adverse effects, which fall within the "Mandatory Findings of Significance" contained in § 15065 of the State CEQA Guidelines. The finding is, therefore, made that the proposed project will not have a significant adverse effect on the environment.

Public notice has been provided regarding staff's finding in the manner prescribed by § 15072 of the CEQA Guidelines and by § 21092 of the PRC Code (CEQA provisions).

Additional information on the proposed project, including the MEIR proposed environmental finding of a Mitigated Negative Declaration and the Initial Study may be obtained from the Planning and Development Department, Fresno City Hall, 2600 Fresno Street, 3rd Floor Fresno, Room 3043, California 93721-3604. Please contact Rob Holt at (559) 621-8056 or via email at Robert.Holt@fresno.gov for more information.

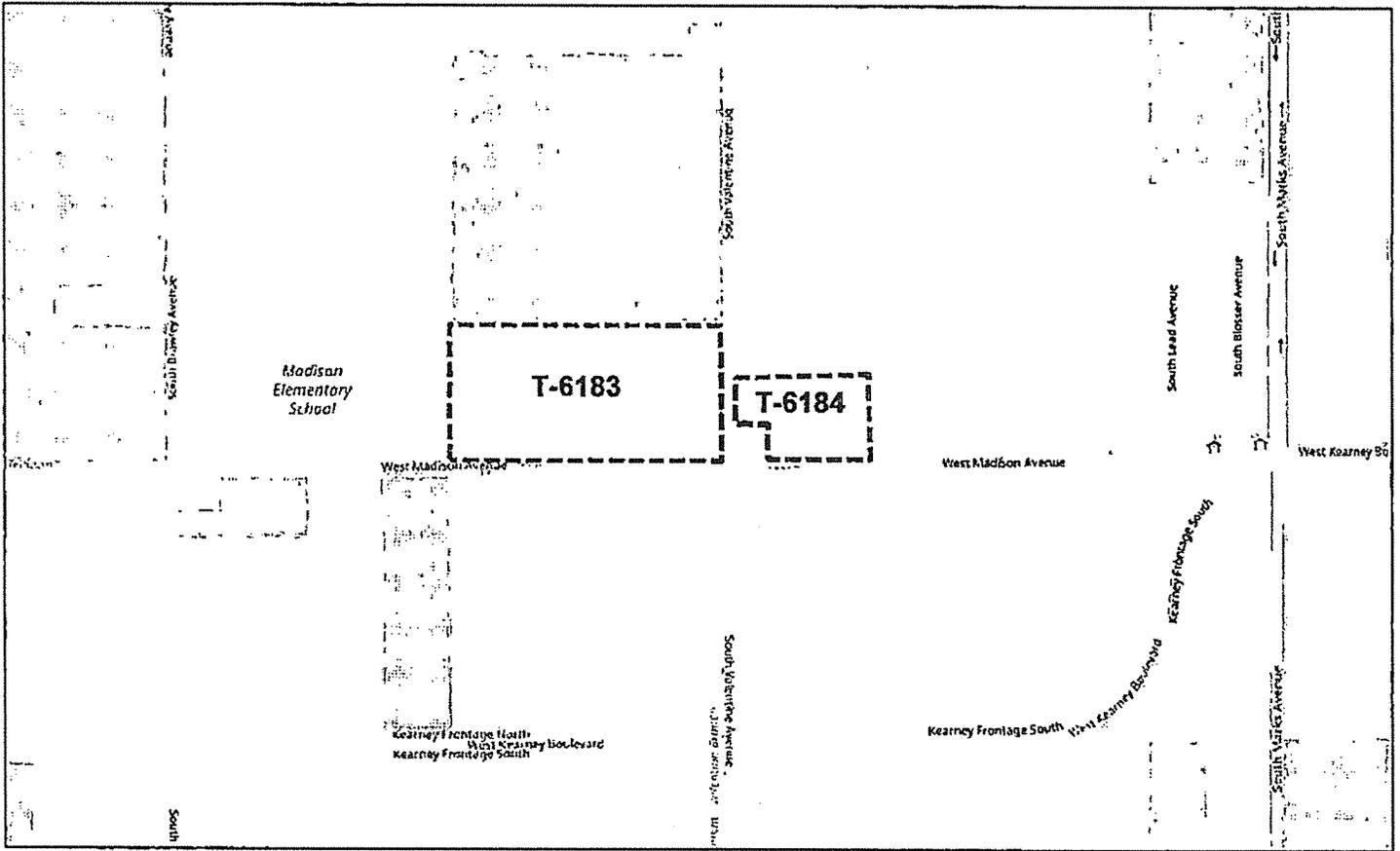
ANY INTERESTED PERSON may comment on the proposed environmental finding. Comments must be in writing and must state (1) the commentor's name and address; (2) the commentor's interest in, or relationship to, the project; (3) the environmental determination being commented upon; and (4) the specific reason(s) why the proposed environmental determination should or should not be made. Any comments may be submitted at any time between the publication date of this notice and close of business on July 16, 2020. Please direct comments to Rob Holt, Planner III, City of Fresno Planning and Development Department, City Hall, 2600 Fresno Street, Room 3043, Fresno, California, 93721-3604; or by email to Robert.Holt@fresno.gov.

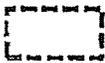
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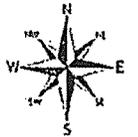
INITIAL STUDY PREPARED BY: Rob Holt, Planner III	SUBMITTED BY:  Israel Trejo, Supervising Planner CITY OF FRESNO PLANNING AND DEVELOPMENT DEPARTMENT
DATE: June 26, 2020	
Attachments: Exhibit A – Vicinity Map	

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Exhibit A – Vicinity Map



-  **Subject Properties**
- T-6183/UGM: ±17.76 acres
- T-6184/UGM: ±3.77 acres



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APPENDIX G/INITIAL STUDY FOR A NEGATIVE DECLARATION

**Environmental Checklist Form for:
Vesting Tentative Tract Maps T-6183 and T-6184**

1.	Project title: Vesting Tentative Tract Maps T-6183 and T-6184
2.	Lead agency name and address: City of Fresno Planning and Development Department 2600 Fresno Street Fresno, CA 93721
3.	Contact person and phone number: <i>Robert Holt, Planner III</i> City of Fresno Planning and Development Department (559) 621-8056
4.	Project location: 3558 and 3338 W Madison Avenue: Located on the northwest corner and just to the northeast of the northeast corner of South Valentine and West Madison Avenues (APN: 326-100-36 and 326-100-67)
5.	Project sponsor's name and address: Norman Allinder Fagundes Dairy P O Box 2717 Merced CA 95344
6.	General & Community plan land use designation: Medium Low Density Residential and Open-Space Neighborhood Park (with a dual designation of Medium Low Density Residential pursuant to Figure 3-3 of the Southwest Fresno Specific Plan)
7.	Zoning: RS-4 (Residential Single-Family, Medium Low Density)
8.	Description of project: Tentative Tract Map Application Nos. 6183/UGM and 6184/UGM were filed by Precision Civil Engineering, on behalf of Fagundes Dairy. The project pertains to the ±17.76-acre property located on the northwest corner of West Madison and South Valentine Avenues and ±3.77 acres of property located just northeast of the northeast corner of West Madison and South Valentine Avenues. The applicant proposes to

subdivide the larger property into a 66-lot single-family residential development in two phases and the smaller property into an 18-lot single-family residential development. This project is a component of the “Oasis Master Plan Area,” which includes two previously approved maps, which are not a part of this analysis as they have been previously environmentally cleared and are vested maps. The subject property is zoned RS-4 (Residential Single-Family, Medium Low Density) with a Residential – Medium Low Density planned land use designation.

9. **Surrounding land uses and setting:**

	Planned Land Use	Existing Zoning	Existing Land Use
North	Medium Density Residential	RS-5	Agricultural
East	Medium Low Density Residential	RS-4	Agricultural
South	Low Density Residential	County	Rural Residential
West	Public Facility-Elementary School	PI	Elementary School

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):** San Joaquin Valley Air Pollution Control District, City of Fresno Building and Safety Division, Fresno Irrigation District, Fresno Metropolitan Flood Control District

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, has consultation begun?**

The State requires lead agencies to consider the potential effects of proposed projects and consult with California Native American tribes during the local planning process for the purpose of protecting Traditional Tribal Cultural Resources through the California Environmental Quality Act (CEQA) Guidelines. Pursuant to PRC Section 21080.3.1, the lead agency shall begin consultation with the California Native American tribe that is traditionally and culturally affiliated with the geographical area of the proposed project. Such significant cultural resources are either sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a tribe which is either on or eligible for inclusion in the California Historic Register or local

historic register, or, the lead agency, at its discretion, and support by substantial evidence, choose to treat the resources as a Tribal Cultural Resources (PRC Section 21074(a)(1-2)). According to the most recent census data, California is home to 109 currently recognized Indian tribes. Tribes in California currently have nearly 100 separate reservations or Rancherias. Fresno County has a number of Rancherias such as Table Mountain Rancheria, Millerton Rancheria, Big Sandy Rancheria, Cold Springs Rancheria, and Squaw Valley Rancheria. These Rancherias are not located within the city limits.

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 PRC Section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per PRC Section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that PRC Section 21082.3(c) contains provisions specific to confidentiality.

Currently, the Table Mountain Rancheria Tribe and the Dumna Wo Wah Tribe have requested to be notified pursuant to Assembly Bill 52 (AB 52). A certified letter was mailed to the above mentioned tribes on May 18, 2020. Both tribes did not request consultation. Although the intent of AB 52 has been met, in light of executive order E-54-20, the Notice of Intent to Adopt to the Mitigated Negative Declaration for this project will be sent to the two tribes to provide an additional 21 day comment period.

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" as indicated by the checklist on the following pages.

<input type="checkbox"/>	Aesthetics	<input type="checkbox"/>	Agriculture and Forestry Resources
<input type="checkbox"/>	Air Quality	<input type="checkbox"/>	Biological Resources
<input type="checkbox"/>	Cultural Resources	<input type="checkbox"/>	Energy
<input type="checkbox"/>	Geology/Soils	<input type="checkbox"/>	Greenhouse Gas Emissions
<input type="checkbox"/>	Hazards and Hazardous Materials	<input type="checkbox"/>	Hydrology/Water Quality
<input type="checkbox"/>	Land Use/Planning	<input type="checkbox"/>	Mineral Resources
<input type="checkbox"/>	Noise	<input type="checkbox"/>	Population/Housing
<input type="checkbox"/>	Public Services	<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Transportation	<input type="checkbox"/>	Tribal Cultural Resources

<input type="checkbox"/>	Utilities/Service Systems	<input type="checkbox"/>	Wildfire
<input type="checkbox"/>	Mandatory Findings of Significance		

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

<u> X </u>	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
<u> </u>	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.
<u> </u>	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT (EIR) is required.
<u> </u>	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 EIR is required, but it must analyze only the effects that remain to be addressed.
<u> </u>	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.



06/26/2020

Planner Name, Title

Date

EVALUATION OF ADDITIONAL ENVIRONMENTAL IMPACTS NOT ASSESSED IN THE MASTER ENVIRONMENTAL IMPACT REPORT (MEIR):

1. For purposes of this Initial Study, the following answers have the corresponding meanings:
 - a. “No Impact” means the subsequent project will not cause any additional significant effect related to the threshold under consideration which was not previously examined in the MEIR.

- b. "Less Than Significant Impact" means there is an impact related to the threshold under consideration that was not previously examined in the MEIR, but that impact is less than significant;
 - c. "Less Than Significant with Mitigation Incorporation" means there is a potentially significant impact related to the threshold under consideration that was not previously examined in the MEIR, however, with the mitigation incorporated into the project, the impact is less than significant.
 - d. "Potentially Significant Impact" means there is an additional potentially significant effect related to the threshold under consideration that was not previously examined in the MEIR.
2. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
 3. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
 4. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
 5. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from, "Earlier Analyses," as described in (6) below, may be cross-referenced).
 6. Earlier analyses may be used where, pursuant to the tiering, program EIR, MEIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

- a. Earlier Analysis Used. Identify and state where they are available for review.
 - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in the MEIR or another earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
7. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
 8. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
 9. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
 10. The explanation of each issue should identify:
 - a. The significance criteria or threshold, if any, used to evaluate each question; and
 - b. The mitigation measure identified, if any, to reduce the impact to less than significance.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS – Except as provided in PRC Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?			X	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) In non-urbanized areas, substantially degrade the existing visual character or quality public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

DISCUSSION

The subject site is located within an area that has undergone some growth in development in the area. The area immediately to the east of the subject site is developed with a newer single-family residential subdivision. The areas to the north are developed with rural residential and agricultural uses, while the area to the south of the site is developed with rural residential uses and the area to the west is developed with an elementary school. The project site is currently used for agricultural uses. The existing topography of the subject property is nearly flat, with elevations ranging from around 285 to 300 feet above sea level.

a) Have a substantial adverse effect on a scenic vista?

Less than significant impact. A scenic vista is a viewpoint that provides a distant view of highly valued natural or man-made landscape features for the benefit of the general public. Typical scenic vistas are locations where views of rivers, hillsides,

and open space areas can be obtained as well as locations where valued urban landscape features can be viewed in the distance. The Fresno General Plan MEIR provides and recognizes that the City has not identified or designated scenic vistas within its General Plan. Although no scenic vista has been designated, it is acknowledged that scenic vistas within the Planning Area could provide distant views of natural landscape features, such as the San Joaquin River along the northern boundary of the Planning Area and the foothills of the Sierra Nevada Mountain Range. The River bluffs provide distant views of the San Joaquin River as well as areas north of the River. However, the majority of these views are from private property.

There are various locations throughout the eastern portion of the Planning Area that provide views of the Sierra Nevada foothills that are located northeast and east of the Planning Area. These distant views of the Sierra Nevada foothills are impeded many days during the year by the poor air quality in the Fresno region. Distant views of man-made landscape features include the Downtown Fresno buildings that provide a unique skyline. Scenic resources include landscapes and features that are visually or aesthetically pleasing. They contribute positively to a distinct community or region. These resources produce a visual benefit upon communities. The scenic resources within the Planning Area include landscaped open spaces such as parks and golf courses. Historic structures in Downtown Fresno buildings also represent scenic resources because they provide a unique skyline. Given the site's distance from the San Joaquin River the proposed project will not interfere with public views of the San Joaquin River environs. Furthermore, as there are no designated public or scenic vistas on or adjacent to the subject property, there is no potential for adverse effect on a scenic vista. Furthermore, the Fresno General Plan MEIR recognizes and acknowledges that poor air quality reduces existing views within the City of Fresno sphere of influence as a whole, and therefore finds that a less than significant impact will result to views of highly valued features such as the Sierra Nevada foothills from future development on and in the vicinity of the subject property.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. The project site is not within the vicinity of a State designated scenic highway. The project will not damage nor will it degrade the visual character or quality of the subject site and its surroundings, given that the project site is in an area already developed with residential uses and, in an area generally planned for residential development at similar densities.

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 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?

Less Than Significant Impact. The subject site, although currently on agricultural land, is surrounded and within a mostly urbanized area. The area can be considered a transition area, an area on the edge of rural and urban uses. As mentioned above, there are no quality of public views or scenic views visible in the area. The proposed project will not degrade the visual character given that the proposed residential development will be similar to the neighborhood directly to the east and will add enhanced landscaping on the existing and new public streets within the new residential subdivision.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. The addition of the new houses and streets will create a new source of light or glare within the area. However, given that the project site is within an area which has been developed with semi-urban uses, which already affect day and night-time views in the project area, a less than significant impact will occur. The project would be subject to the applicable mitigation measures pertaining to light and glare included in in MEIR SCH No. 2012111015. Furthermore, through the entitlement process, staff will ensure that lights are located in areas that will minimize light sources to the neighboring properties in accordance with the mitigation measures of the MEIR.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the aesthetic related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<p>II. AGRICULTURE AND FORESTRY 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 Model (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 timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</p>				
<p>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?</p>			X	
<p>b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?</p>				X
<p>c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?</p>				X
<p>d) Result in the loss of forest land or conversion of forest land to non-forest use?</p>				X

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	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?			X	

DISCUSSION

- 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?**

Less Than Significant Impact. The subject property is located on a site that is partially designated as prime farmland and partially designated as farmland of Statewide importance. The MEIR recognizes that despite implementation of the objectives and policies of the Fresno General Plan, project and cumulative impacts on agricultural resources will remain significant; and, that no feasible measures in addition to the objectives and policies of the Fresno General Plan are available. Thus, even though the current use is agricultural and it's being subdivided and therefore changing to a nonagricultural use, this conversion was contemplated in the MEIR when the designation was changed to residential and then overridden.

In 2014, through passage of Council Resolution No. 2014-225, the City of Fresno adopted Findings of Fact related to Significant and Unavoidable Effects as well as Statements of Overriding Considerations in order to certify Master Environmental Impact Report SCH No. 111015 for purposes of adoption of the Fresno General Plan. Section 15093 of the California Environmental Quality Act requires the lead agency to balance the benefits of a proposed project against its unavoidable environmental risks in determining whether to approve the project.

The adopted Statements of Overriding Considerations for the MEIR addressed Findings of Significant Unavoidable Impacts within the categories/areas of Agricultural Resources; citing specific economic, legal, social, technological, or other considerations, including provision of employment opportunities for highly trained workers as project goals, each and all of which were deemed and considered by the Fresno City Council to be benefits, which outweighed the unavoidable adverse

environmental effects attributed to development occurring within the City of Fresno Sphere of Influence (SOI), consistent with the land uses, densities, and intensities set forth in the Fresno General Plan.

b) Conflict with existing zoning for agricultural use or a Williamson Act contract?

No Impact. The subject site is currently not under Williamson Act contract. In addition, the site is not zoned for agricultural uses and the proposed project will be developed in conformance with the existing zoning designated for the site.

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. The subject site is not zoned for in an area that is considered forest land or timberland and this does not conflict with such zoning.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The subject site is currently used as farmland with very few trees and is not considered forest land, thus the proposed project will no result in the loss of forest land or conversion of forest land to non-forest land.

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. The proposed project is located within the City limits of Fresno and is completely surrounded by property that is already planned for urban uses by the Fresno General Plan and Southwest Specific Plan. Given that the surrounding property is already planned and zoned for urban uses, the development of the subject site with residential uses will not facilitate the conversion of Farmland to non-agricultural uses. In addition, the subject site is not located on nor is it surrounded by forest land or forest uses.

Further, as discussed in Impact a) above, agricultural impacts at this site have been previously analyzed and deemed significant and unavoidable and a Statement of Overriding Conditions was adopted by City Council. The proposed Project will not involve new other changes in the existing environment that could result in conversion of Farmland.

Mitigation Measure

1. The proposed project shall implement and incorporate the agriculture and forestry resource related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan (e.g., by having potential emissions of regulated criterion pollutants which exceed the San Joaquin Valley Air Pollution Control Districts (SJVAPCD) adopted thresholds for these pollutants)?			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 (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			X	
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	

DISCUSSION

- a) **Conflict with or obstruct implementation of the applicable air quality plan (e.g., by having potential emissions of regulated criterion pollutants which exceed the San Joaquin Valley Air Pollution Control Districts (SJVAPCD) adopted thresholds for these pollutants)?**

Less than Significant Impact. The San Joaquin Valley Air Pollution Control District (SJVAPCD) outlines its significant thresholds in the Guidance for Assessing and Mitigating Air Quality Impacts (2015). The primary pollutants of concern during project construction and operation are ROG, NOx, PM10, and PM2.5. The SJVAPCD GAMAQI adopted in 2015 contains thresholds for CO, NOx, ROG, SOx, PM10, and PM2.5. The table below shows these thresholds and the project totals in relation to these thresholds (in tons per year). As shown, the project is below all significant thresholds and thus the project impacts are less than significant.

Source	ROG	NOX	CO	PM10	PM2.5
Project Total	1.0957	4.2846	4.3616	1.3328	0.3797
Significance threshold	10	10	100	15	15
Exceed threshold—significant impact?	No	No	No	No	No

In addition, the proposed project is consistent with air quality related policies and measures contained in the general plan, as show below.

Consistency with General Plan Policies

General Plan Policy	Project Consistency
Objective RC-4. In cooperation with other jurisdictions and agencies in the San Joaquin Valley Air Basin, take necessary actions to achieve and maintain compliance with State and federal air quality standards for criteria pollutants.	The project will comply with all applicable policies and rules related to air quality and will thus comply with this policy. The project has submitted an ISR/AIA to the San Joaquin Valley Air Pollution control district.
RC-4-a Support Regional Efforts. Support and lead, where appropriate, regional, State and federal programs and actions for the improvement of air quality, especially the SJVAPCD’s efforts to monitor and control air	City effort, not applicable.

<p>pollutants from both stationary and mobile sources and implement Reasonably Available Control Measures in the Ozone Attainment Plan.</p>	
<p>RC-4-b Conditions of Approval. Develop and incorporate air quality maintenance requirements, compatible with Air Quality Attainment and Maintenance Plans, as conditions of approval for General Plan amendments, community plans, Specific Plans, neighborhood plans, Concept Plans, and development proposals.</p>	<p>The City of Fresno Development Code incorporates relevant general plan policies, including this policy, into development code requirements. Given that the City will ensure all development code requirements are met during the review of the proposed project, the project complies with this policy.</p>
<p>RC-4-c Evaluate Impacts with Models. Continue to require the use of computer models used by SJVAPCD to evaluate the air quality impacts of plans and projects that require such environmental review by the City.</p>	<p>CalEEMod was used to analyze air quality impacts of this project. The findings of this model run are attached.</p>
<p>RC-4-d Forward Information. Forward information regarding proposed General Plan amendments, community plans, Specific Plans, neighborhood plans, Concept Plans, and development proposals that require air quality evaluation, and amendments to development regulations to the SJVAPCD for their review of potential air quality and health impacts.</p>	<p>The proposed project was routed by the City to the San Joaquin Valley Air Pollution Control District and the City had no comment. In addition, the applicant submitted an ISR/AIA to the District for review prior to application submittal to the City.</p>
<p>RC-4-k Electric Vehicle Charging. Develop standards to facilitate electric vehicle charging infrastructure in both new and existing public and private buildings, in order to accommodate these vehicles as the technology becomes more widespread.</p>	<p>Citywide requirement. The City has developed a streamlined entitlement process for EV Charging facilities.</p>

Compliance with General Plan MEIR Mitigation Measures

Mitigation Measure	Project Compliance
<p>MM AQ-1 Projects that include five or more heavy-duty truck deliveries per day with sensitive receptors located within 300 feet of the truck loading area shall provide a screening analysis to determine if the project has the potential to exceed criteria pollutant concentration based standards and thresholds for NO2 and PM2.5. If projects exceed screening criteria, refined dispersion modeling and health risk assessment shall be accomplished and if needed, mitigation measures to reduce impacts shall be included in the project to reduce the impacts</p>	<p>Given that the proposed project is a single-family residential development, there will be no regular truck deliveries to the site.</p>

<p>to the extent feasible. Mitigation measures include but are not limited to:</p> <ul style="list-style-type: none"> ➤ Locate loading docks and truck access routes as far from sensitive receptors as reasonably possible considering site design limitations to comply with other City design standards. ➤ Post signs requiring drivers to limit idling to 5 minutes or less 	
<p>MM AQ-2 Projects that result in an increased cancer risk of 10 in a million or exceed criteria pollutant ambient air quality standards shall implement site-specific measures that reduce TAC exposure to reduce excess cancer risk to less than 10 in a million. Possible control measures include but are not limited to:</p> <ul style="list-style-type: none"> ➤ Locate loading docks and truck access routes as far from sensitive receptors as reasonably possible considering site design limitations to comply with other City design standards. ➤ Post signs requiring drivers to limit idling to 5 minutes or less ➤ Construct block walls to reduce the flow of emissions toward sensitive receptors. ➤ Install a vegetative barrier downwind from the TAC source that can absorb a portion of the diesel PM emissions ➤ For projects proposing to locate a new building containing sensitive receptors near existing sources of TAC emissions, install HEPA filters in HVAC systems to reduce TAC emission levels exceeding risk thresholds. ➤ Install heating and cooling services at 	<p>Not applicable. Project will not result in an increased cancer risk of 10 in a million or exceed criteria pollutant standards.</p>

<p>truck stops to eliminate the need for idling during overnight stops to run onboard systems.</p> <ul style="list-style-type: none"> ➤ For large distribution centers where the owner controls the vehicle fleet, provide facilities to support alternative fueled trucks powered by fuels such as natural gas or bio-diesel. ➤ Utilize electric powered material handling equipment where feasible for the weight and volume of material to be moved. 	
<p>Require developers proposing projects on ARB's list of projects in its Air Quality and Land Use Handbook (Handbook) warranting special consideration to prepare a cumulative health risk assessment when sensitive receptors are located within the distance screening criteria of the facility as listed in the ARB Handbook.</p>	<p>Not applicable. The project does not propose a use on ARB's list of projects in its Air Quality and Land Use Handbook (Handbook) warranting special consideration.</p>
<p>Require developers of projects containing sensitive receptors to provide a cumulative health risk assessment at project locations exceeding ARB Land Use Handbook distance screening criteria or newer criteria that may be developed by the SJVAPCD</p>	<p>The project was routed by the City of Fresno to the Air District for comment and the Air District responded with "No Comment". The SJVAPCD would typically require this if deemed necessary.</p>
<p>MM AIR-5: Require developers of projects with the potential to generate significant odor impacts as determined through review of SJVAPCD odor complaint history for similar facilities and consultation with the SJVAPCD to prepare an odor impact assessment and to implement odor control measures recommended by the SJVAPCD or the City to the extent needed to reduce the impact to less than significant.</p>	<p>Not applicable.</p>

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.

To result in a less than significant impact, the following criteria must be true:

1. Regional analysis: emissions of nonattainment pollutants must be below the District's regional significance thresholds. This is an approach recommended by the District in its GAMAQI.

As discussed above in section a, the project was determined to be below the District's regional significance thresholds.

2. The project must be consistent with current air quality attainment plans including control measures and regulations. This is an approach consistent with Section 15130(b) of the CEQA Guidelines.

This item was discussed in the previous section and the project was determined to be consistent.

3. Cumulative health impacts: the project must result in less than significant cumulative health effects from the nonattainment pollutants.

The Air Basin is in non-attainment for ozone, PM10, and PM2.5, which means that certain pollutants' exposure levels are often higher than the normal air quality requirements. The air quality standards have been set to protect public health, particularly the health of vulnerable people. Therefore, if the concentration of those contaminants exceeds the norm, some susceptible individuals in the population are likely to experience health effects. Concentration of the pollutant in the air, the length of time exposed and the individual's reaction are factors that affect the extent and nature of the health effects. The regional construction and operational emission analysis shows that the project does not surpass the substantial thresholds of the District and that the project is compliant with the Air Quality Attainment Plan applicable. Therefore, the project would not result in significant cumulative health impacts.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. Although the proposed project site is adjacent to an elementary school, which is considered a sensitive receptor, the project proposes a residential development, which is not a use which results in excessive pollutant concentrations. Therefore, the impact is less than significant.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than Significant Impact. The project proposes single family residential development, which is not a land use type that would or could result in odorous or other unusual emission types that would adversely impact a substantial number of

people.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the air quality related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
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 Game 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 or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?			X	
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?			X	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No 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?			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) **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 the U.S. Fish and Wildlife Service?**

Less than Significant Impact. The site is currently used for agricultural purposes and has been regularly disked and cultivated over the years. According to a Biological Habitat Assessment prepared by Argonaut Ecological Consulting, Inc., the surrounding area consists of rural residential uses, agriculture uses and roadways. The study found that there are is no critical habitat designated for any special-status plant and animal species within the Study Area. The habitat is highly disturbed as a result of recurring agricultural production and periodic disking. The vegetation is limited to orchards, ruderal/disturbed habitat, and landscaping around an existing home. No wildlife was observed other than songbirds and there is no ground squirrel population present, nor any ground squirrel burrows. There is also little potential

nesting bird habitat (trees, shrubs) within the Study Area because of recurring orchard picking practices. There is one large tree that could be used for nesting. This tree is located immediately adjacent to the only home within the Study Area. The tree does not have any raptor nest and recurring farming and movement around the home likely precludes raptor nesting. Thus, the site is unlikely to support native wildlife and therefore there is a less than significant impact.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Less than Significant Impact. As mentioned above, given that the subject site has been utilized for agricultural uses for years and has been regularly disked, spayed and cultivated, it is highly unlikely that the site would serve as a riparian habitat or other sensitive natural community identified in an plans or regulations. The site is not expected to support native vegetation, due to regular agricultural activities. In addition to this, according to the Biological Study prepared for the project, the habitat within the Study Area consists of agricultural land, ruderal habitat, and landscaping and does not contain riparian habitat or other sensitive natural community.

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?

No Impact. Based on the Biological Study prepared for the project in June of 2020, there are no wetlands or waters of the U.S. or waters of the State present within the Study Area.

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. As mentioned above, the site is has previously been farmed and is thus disturbed and does not provide appropriate habitat for any special status species. In addition to this, based on the Biological Study prepared for the project in June of 2020, the subject site does not support native vegetation which could provide for native species or migratory species.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less Than Significant Impact. The proposed project would involve the removal of trees used for cultivation, but these trees do not meet the requirements contained in

the City of Fresno tree preservation ordinance (they are too small). Although the City of Fresno does have general plan policies related to preservation of biological resources, these policies do not apply to the subject property. For example, most of the policies pertain to general long-term protection and preservation of biological resources including providing buffers for natural areas, implementing habitat restoration where applicable, protection/enhancement of the San Joaquin River area, and other similar policies.

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. There are no adopted habitat conservation plans, natural community conservation plans or other conservation plans, applicable to the subject site. Therefore, there is no impact.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the biological resource related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in 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 formal cemeteries?			X	

DISCUSSION

a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Less Than Significant Impact. There are no structures which exist within the project area that are listed in the National or Local Register of Historic Places, and the subject site is not within a designated historic district. There are no known archaeological or paleontological resources that exist within the project area.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less Than Significant Impact. There is no evidence that cultural resources of any type (including historical, archaeological, paleontological, or unique geologic features) exist on the subject property. The project site is currently developed with agricultural uses. Nevertheless, there is some possibility that a buried site may exist in the area and be obscured by vegetation, fill, or other historic activities, leaving no surface evidence. Furthermore, previously unknown paleontological resources or undiscovered human remains could be disturbed during project construction. Therefore, due to the ground disturbing activities that will occur as a result of the project, the measures within the MEIR SCH No. 2012111015 for the Fresno General Plan, Mitigation Monitoring Checklist to address archaeological resources, paleontological resources, and human remains will be employed to guarantee that should archaeological and/or animal fossil material be encountered during project excavations, then work shall stop immediately; and, that qualified professionals in the respective field are contacted and consulted in order to ensure that the activities of the proposed project will not involve physical demolition, destruction, relocation, or alteration of historic, archaeological, or paleontological resources.

c) Disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact. There are no known human remains on the subject site. As indicated within Section XVII, Tribal Cultural Resources, of this initial study, tribal consultation has occurred for the proposed project in compliance with AB 52 requirements. Pursuant to AB 52, the Table Mountain Rancheria Tribe and the Dumna Wo Wah were invited to consult under AB 52. The City of Fresno mailed notices of the proposed project to each of these tribes, which included the required 30- day time period for tribes to request consultation. Under invitations to consult under AB 52, no tribes responded by the required date. Although the intent of AB 52 has been met, in light of executive order E-54-20, the Notice of Intent to Adopt to the Mitigated Negative Declaration for this project will be sent to the two tribes to provide an additional 21 day comment period.

In conclusion, with implementation of the MEIR Cultural Resource Mitigation Measures incorporated herein below, the project will not result in any cultural resource impacts beyond those analyzed in MEIR SCH No. 2012111015.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the cultural resource related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

DISCUSSION

The proposed project includes the construction of 84 single family residential lots across 22 net acres of property. The amount of energy used at the project site would result from the use of home appliances, air conditioning, etc. by future residents, in addition to outdoor street lighting. Other major sources of proposed project energy consumption include fuel used by vehicle trips generated during project construction and operation, and fuel used by off-road construction vehicles during construction.

- 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. Appendix F of the State CEQA Guidelines requires consideration of the potentially significant energy use of a project. In particular, CEQA requires mitigation measures to reduce “wasteful, inefficient and unnecessary” energy usage. Per Appendix F of the CEQA Guidelines, the means to

achieve the goal of conserving energy include decreasing overall energy consumption, decreasing reliance on natural gas and oil, and increasing reliance on renewable energy sources. A project would be considered “wasteful, inefficient, and unnecessary” if it were to violate state and federal energy standards or result in significant impacts in regards to project energy requirements, energy inefficiencies, cause significant impacts on local and regional energy supplies or generate requirements for additional capacity or conflict or create an inconsistency with applicable plan, policy, or regulation.

The proposed project would not result in wasteful or inefficient consumption of energy resources given that the development and construction of single-family homes are highly regulated by the state, which include requirements for energy efficiency. For example, the proposed project would be required to comply with Title 24 Building Energy Efficiency Standards. Title 24 provides minimum efficiency standards related to various building components, including appliances, heating and cooling systems, building insulation and roofing, lighting etc. Since implementation of Title 24 will result in significant energy savings, it can be concluded that the project will not result in the inefficient, wasteful, or unnecessary consumption of energy during operation or construction.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. The proposed Project would be required to implement and be consistent with existing energy design standards at the local and state level, including be required to comply with Title 24. In addition, some requirements contained in the Fresno General Plan and Fresno Development Code are intended to reduce vehicle miles traveled and therefor reduce energy/gas consumption. These requirements have been included in the design of proposed subdivisions, including requirements to connect pedestrian facilities to proposed amenities. For example, Tract 6183 is designed to be integrated with an already approved subdivision to the north of the subject site and will include enhanced pedestrian pathways, paseos, and pedestrian access to 2 future planned parks. The implementation of these local subdivision design requirements will result in increased energy efficiency.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				

ENVIRONMENTAL ISSUES	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 Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
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 risks to life or property?			X	

ENVIRONMENTAL ISSUES	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 waste water 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) 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. Fresno has no known active earthquake faults and is not in any Alquist-Priolo Special Studies Zones. The project site and its vicinity are located in an area traditionally characterized by relatively low seismic activity. The site is not located in an Alquist-Priolo Earthquake Fault Zone as established by the Alquist-Priolo Fault Zoning Act (Section 2622 of Chapter 7.5, Division 2 of the California Public Resources Code). Based on review of published data and a current understanding of the geologic framework and tectonic setting of the proposed development, the primary source of seismic shaking at this site is anticipated to be the Coast Ranges Sierra Block Fault, which is located approximately 43 miles southwest of the site. The most serious threat to Fresno from a major earthquake in the Eastern Sierra would be flooding that could be caused by damage to dams on the upper reaches of the San Joaquin River.

The Fresno area is classified by the State as being in a moderate seismic risk zone, Category “C” or “D,” depending on the soils underlying the specific

location being categorized and that location's proximity to the nearest known fault lines. All proposed single-family residential structures proposed by this project are required to conform to current seismic protection standards in the California Building Code.

ii. Strong seismic ground shaking?

Less Than Significant Impact. As mentioned above, the Fresno area is classified by the State as being in a moderate seismic risk zone, Category "C" or "D," depending on the soils underlying the specific location being categorized and that location's proximity to the nearest known fault lines. All proposed single-family residential structures proposed by this project are required to conform to current seismic protection standards in the California Building Code. These standards are intended to minimize potential risks

iii. Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. There are no geologic hazards or unstable soil conditions known to exist on the site. According to the geotechnical study prepared for the immediately adjacent property, 'based on the ground shaking which may be expected at this site and the relative density and geologic age of the sediments, analysis utilizing Youd (2001) indicates liquefaction or seismically induced settlement or bearing loss is considered unlikely, even if there should be a substantial increase in ground water level.'

The existing topography is relatively flat with no apparent unique or significant landforms such as vernal pools. Development of the property requires compliance with grading and drainage standards of the City of Fresno. A civil engineer or soils engineer registered in this state shall complete a Soils Investigation and Evaluation Report prior to construction. The report shall provide detailed recommendation for foundations, drainage, and other items. The preparation of the Soils Investigation and Evaluation Report is an existing standard. A report was previously prepared for areas immediately adjacent to the subject site with no indication of any issues.

iv. Landslides?

No Impact. The subject site and surrounding area are completely flat. Thus, there is no potential for the proposed project to directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides.

b) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. Construction related to the development of the proposed project will involve ground preparation work for the proposed houses and associated improvements. These activities may expose soils to natural elements, including rain and wind, which could result in erosion on the site. However, during construction the contractor would be required to employ appropriate sediment and erosion control as part of a Stormwater Pollution Prevention Plan (SWPPP) that is required in the California National Pollution Discharge Elimination System (NPDES). This is already required for projects of this type. In addition to this, once construction is complete, the Project would not result in soil erosion or loss of topsoil.

- 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. The subject site is not located in an area that has soil that is unstable or could become unstable enough to result in a landslide any other catastrophic soil event. Although a geotechnical report has not yet been completed for the subject site, such a report was prepared for property that is part of the same agricultural fields that fall directly to the north and west of the subject sites. As is the case of the fields in question, the adjacent area's surface consisted of furrows approximately 12 inches in differential height which had a moderate growth of seasonal crops. With the exception of the furrows the site is essentially flat which makes the potential for a landslide unlikely, if not impossible. As mentioned above, according to the geotechnical study prepared for the immediately adjacent property, 'based on the ground shaking which may be expected at this site and the relative density and geologic age of the sediments, analysis utilizing Youd (2001) indicates liquefaction or seismically induced settlement or bearing loss is considered unlikely, even if there should be a substantial increase in ground water level.'

- d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial direct or indirect risks to life or property?**

Less Than Significant Impact. The natural site soil consists of alluvial sediments with a geologic age of Pleistocene. The general earth material profile depicted by the subsurface exploration (of adjacent contiguous property) consisted of silty sand with laterally discontinuous layers of poorly graded and sandy clay. The granular soils generally had a relative consistency of medium dense to dense, while the sandy clay was generally medium stiff to stiff. According to the geotechnical study prepared for the adjacent property (part of the same agricultural fields), there are no geotechnical considerations (e.g. expansive soil), which would require special design of slabs for the future residential development.

- 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. The project will be connected to City of Fresno sewer and water systems and thus does not propose the construction of septic tanks or alternative waste disposal systems.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact. There are no known paleontological resources on or near the site. The City of Fresno General Plan MEIR employs standard mitigation measures that ensure that unknown buried resources are protected during construction, including paleontological resources. In addition to this, based on the geotechnical and soils reports prepared for the properties immediately adjacent to the subject sites, there are no unique geological features in the area.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
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

Various gases in the Earth’s atmosphere, classified as atmospheric greenhouse gases (GHGs), play a critical role in determining the Earth’s surface temperature. Solar radiation enters Earth’s atmosphere from space, and a portion of the radiation is absorbed by the Earth’s surface. The Earth emits this radiation back toward space, but the properties of the radiation change from high-frequency solar radiation to lower-frequency infrared radiation.

Naturally occurring greenhouse gases include water vapor (H₂O), carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and ozone (O₃). Several classes of halogenated substances that contain fluorine, chlorine, or bromine are also greenhouse gases, but they are, for the most part, solely a product of industrial activities. Although the direct greenhouse gases CO₂, CH₄, and N₂O occur naturally in the atmosphere, human activities have changed their atmospheric concentrations. From the pre-industrial era (i.e., ending about 1750) to 2011, concentrations of these three greenhouse gases have increased globally by 40, 150, and 20 percent, respectively (Intergovernmental Panel on Climate Change [IPCC], 2013).

Greenhouse gases, which are transparent to solar radiation, are effective in absorbing infrared radiation. As a result, this radiation that otherwise would have escaped back into space is now retained, resulting in a warming of the atmosphere. This phenomenon is known as the greenhouse effect. Among the prominent GHGs contributing to the greenhouse effect are carbon dioxide (CO₂), methane (CH₄), ozone (O₃), water vapor, nitrous oxide (N₂O), and chlorofluorocarbons (CFCs).

The emissions from a single project will not cause global climate change, however, GHG emissions from multiple projects throughout the world could result in a cumulative impact with respect to global climate change. Therefore, the analysis of GHGs and climate change presented in this section is presented in terms of the proposed project's contribution to cumulative impacts and potential to result in cumulatively considerable impacts related to GHGs and climate change.

Cumulative impacts are the collective impacts of one or more past, present, and future projects that, when combined, result in adverse changes to the environment. In determining the significance of a proposed project's contribution to anticipated adverse future conditions, a lead agency should generally undertake a two-step analysis. The first question is whether the *combined* effects from *both* the proposed project *and* other projects would be cumulatively significant. If the agency answers this inquiry in the affirmative, the second question is whether "the proposed project's *incremental* effects are cumulatively considerable" and thus significant in and of themselves. The cumulative project list for this issue (climate change) comprises anthropogenic (i.e., human-made) GHG emissions sources across the globe and no project alone would reasonably be expected to contribute to a noticeable incremental change to the global climate. However, legislation and executive orders on the subject of climate change in California have established a statewide context and process for developing an enforceable statewide cap on GHG emissions. Given the nature of environmental consequences from GHGs and global climate change, CEQA requires that lead agencies consider evaluating the cumulative impacts of GHGs. Small contributions to this cumulative impact (from which significant effects are occurring and are expected to worsen over time) may be potentially considerable and, therefore, significant.

Significance Thresholds

Governor's Office of Planning and Research's (OPR's) Guidance does not include a quantitative threshold of significance to use for assessing a project's GHG emissions under CEQA. Moreover, the California Air Resources Board (CARB) has not established such a threshold or recommended a method for setting a threshold for project-level analysis. In the absence of a consistent statewide threshold, a threshold of significance for analyzing the project's GHG emissions was developed. The issue of setting a GHG threshold is complex and dynamic, especially in light of the California Supreme Court decision in *Center for Biological Diversity v. California Department of Fish and Wildlife* (referred to as the Newhall Ranch decision hereafter). The California Supreme Court ruling also highlighted the need for the threshold to be tailored to the specific project type, its location, and the surrounding setting. Therefore, the threshold used to analyze the project is specific to the analysis herein and the City retains the ability to develop and/or use different thresholds of significance for other projects in its capacity as lead agency and recognizing the need for the individual threshold to be tailored and specific to individual projects.

The SJVAPCD provides guidance for addressing GHG emissions under CEQA. The SJVAPCD guidance regarding evaluating GHG significance notes that if a project complies with an adopted statewide, regional, or local plan for reduction or mitigation of GHG emissions, then impacts related to GHGs would be less than significant. Additionally, the SJVAPCD requires quantification of GHG emissions for all projects which the lead agency has determined that an EIR is required. Although an EIR is not required for the proposed project, the GHG emissions are quantified below.

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than Significant Impact. As mentioned above, the SJVAPCD provides guidance for addressing Greenhouse Gas (GHG) emissions under CEQA. The SJVAPCD guidance regarding evaluating GHG significance notes that if a project complies with an adopted statewide, regional, or local plan for reduction or mitigation of GHG emissions, then impacts related to GHGs would be less than significant.

The proposed project's short-term construction-related and long-term operational GHG emissions for buildout of the proposed project, were estimated using CalEEMod™ (v.2016.3.2). CalEEMod is a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify GHG emissions from land use projects. The model quantifies direct GHG emissions from construction and operation (including vehicle use), as well as indirect GHG emissions, such as GHG emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. Emissions are expressed in annual metric tons of CO₂ equivalent units of measure (i.e., MTCO₂e), based on the global warming potential of the individual pollutants.

Short-Term Construction GHG Emissions

Estimated increases in GHG emissions associated with construction of the proposed project are summarized in the table below.

Construction GHG Emissions (Unmitigated Metric Tons Per Year)

Year	Bio-CO ₂	NBio-CO ₂	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
2020	0.0000	305.1925	305.1925	0.0757	0.0000	307.0847
Maximum	0.0000	305.1925	305.1925	0.0757	0.0000	307.0847

As presented in the table, maximum short-term annual construction emissions of GHG associated with development of the project are estimated to be 307.0847 MTCO₂e (2020).

These construction GHG emissions are a one-time release and are comparatively much lower than emissions associated with operational phases of a project. Cumulatively, these construction emissions would not generate a significant contribution to global climate change.

Long-Term Operational GHG Emissions

The long-term operational emissions estimate for buildout of the proposed project, incorporates the potential area source and vehicle emissions, and emissions associated with utility and water usage, and wastewater and solid waste generation. Estimated GHG emissions associated with the buildout of the proposed project is summarized in the table below. As shown in the following table, the annual GHG emissions associated with buildout of the proposed project would be 2358.2 MTCO₂e.

Operational GHG Emissions 2022 (Metric Tons Per Year)

Category	Bio-CO ₂	NBio-CO ₂	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
Area	0.0000	1.0096	0.00015	9.7	0.00	1.0339
Energy	0.0000	331.2800	331.2800	0.0119	4.1500	332.8153
Mobile	0.0000	1,957.6003	1,957.6003	0.1487	0.0	1961.3185
Waste	17.5384	0.00	17.5384	1.0365	0.0	43.4507
Water	1.7363	12.1282	13.8645	0.1789	4.32	19.6252
Total	19.2747	2302.0181	2321.2928	1.3770	8.47	2358.2435

SOURCE: CALEEMOD (V.2016.3.2).

The maximum short-term annual construction emissions of GHG associated with development of the project are estimated to be 307.0847 MTCO₂e (2020). As stated previously, short-term construction GHG emissions are a one-time release of GHGs and are not expected to significantly contribute to global climate change over the lifetime of the proposed project. The annual operational GHG emissions associated with buildout of the proposed project would be 2358.2435 MTCO₂e. Additionally, as

discussed in more detail below, the project would be generally consistent with the applicable goals and policies related to greenhouse gas reduction measures.

Because of this, the proposed project will not occur at a scale or scope with potential to contribute substantially or cumulatively to the generation of greenhouse gas emissions.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than significant impact. While the City of Fresno General Plan does not meet the criteria of the CEQA Guidelines 15064.4(b)(3) for an appropriate GHG emissions reduction program, it includes policies aimed at reducing vehicle travel and energy usage which would include GHG reductions. Therefore, the compatibility of the project with the relevant policies of the General Plan are evaluated.

General Plan Compliance

In August 2014 the City of Fresno revised its General Plan which includes very few measures specifically relevant to climate change, however, some of the Air Quality and Circulation goals, policies, and action items will reduce GHG emissions as well as other pollutant emission thresholds, as they aim to eliminate driven vehicle miles and boost energy efficiency. The project conforms to applicable items, as shown in the table below.

Plan Consistency

General Plan Policy	Project Consistency
Objective RC-4. In cooperation with other jurisdictions and agencies in the San Joaquin Valley Air Basin, take necessary actions to achieve and maintain compliance with State and federal air quality standards for criteria pollutants.	The project will comply with all applicable policies and rules related to air quality and will thus comply with this policy. The project has submitted an ISR/AIA to the San Joaquin Valley Air Pollution control district.
RC-4-a Support Regional Efforts. Support and lead, where appropriate, regional, State and federal programs and actions for the improvement of air quality, especially the SJVAPCD's efforts to monitor and control air pollutants from both stationary and mobile sources and implement Reasonably Available Control Measures in the Ozone Attainment	City effort, not applicable.

Plan.	
<p>RC-4-b Conditions of Approval. Develop and incorporate air quality maintenance requirements, compatible with Air Quality Attainment and Maintenance Plans, as conditions of approval for General Plan amendments, community plans, Specific Plans, neighborhood plans, Concept Plans, and development proposals.</p>	<p>The City of Fresno Development Code incorporates relevant general plan policies, including this policy, into development code requirements. Given that the City will ensure all development code requirements are met during the review of the proposed project, the project complies with this policy.</p>
<p>RC-4-c Evaluate Impacts with Models. Continue to require the use of computer models used by SJVAPCD to evaluate the air quality impacts of plans and projects that require such environmental review by the City.</p>	<p>CalEEMod was used to analyze air quality impacts of this project. The findings of this model run are attached.</p>
<p>RC-4-d Forward Information. Forward information regarding proposed General Plan amendments, community plans, Specific Plans, neighborhood plans, Concept Plans, and development proposals that require air quality evaluation, and amendments to development regulations to the SJVAPCD for their review of potential air quality and health impacts.</p>	<p>The proposed project was routed by the City to the San Joaquin Valley Air Pollution Control District and the City had no comment. In addition, the applicant submitted an ISR/AIA to the District for review prior to application submittal to the City.</p>
<p>RC-4-k Electric Vehicle Charging. Develop standards to facilitate electric vehicle charging infrastructure in both new and existing public and private buildings, in order to accommodate these vehicles as the technology becomes more widespread.</p>	<p>Citywide requirement. The City has developed a streamlined entitlement process for EV Charging facilities.</p>
<p>Policy RC-2-a Link Land Use to Transportation. Promote mixed-use, higher density infill development in multi-modal corridors. Support land use patterns that make more efficient use of the transportation system and plan future transportation investments in areas of higher-</p>	<p>The project is proposing single family development along within a larger residential master plan that will provide enhanced sidewalks, pedestrian paseos, and access to new park facilities.</p>

intensity development. Discourage investment in infrastructure that would not meet these criteria.	
Policy UF-14-b Local Street Connectivity. Design local roadways to connect throughout neighborhoods and large private developments with adjacent major roadways and pathways of existing adjacent development. Create access for pedestrians and bicycles where a local street must dead end or be designed as a cul-de-sac to adjoining uses that provide services, shopping, and connecting pathways for access to the greater community area.	The proposed project has provided several pedestrian access points to major streets and park facilities.
Policy UF-14-c Block Length. Create development standards that provide desired and maximum block lengths in residential, retail, and mixed-use districts in order to enhance walkability.	The project has provided reduced block lengths to allow for an enhanced pedestrian environment.
Policy MT-6-a Link Residences to Destinations. Design a pedestrian and bicycle path network that links residential areas with Activity Centers, such as parks and recreational facilities, educational institutions, employment centers, cultural sites, and other focal points of the city environment.	The proposed project has provided several pedestrian access points or linkages to major streets to allow for future access to commercial and employment opportunities surrounding the subject site.

State Scoping Plan

Assembly Bill 32 was enacted by the state in 2006 in an effort to reduce GHGs to 1990 levels by 2020. In 2008, the ARB adopted the Climate Change Scoping Plan in accordance with the requirements of AB 32 which outlines the actions recommended to achieve that aim. The Scoping Plan involves a number of measures to reduce the pollution from the State. The project is in compliance with several of the measures as described below.

Scoping Plan Reduction Measures Consistency Analysis

Scoping Plan Reduction Measure	Consistency/Applicability Determination
1. California Cap-and-Trade Program	Not applicable. Although the cap-

<p>Linked to Western Climate Initiative. Implement a broad-based California Cap-and-Trade program to provide a firm limit on emissions. Link the California cap-and-trade program with other Western Climate Initiative Partner programs to create a regional market system to achieve greater environmental and economic benefits for California. Ensure California's program meets all applicable AB 32 requirements for market-based mechanisms.</p>	<p>and-trade system has begun, products or services would be covered and the cost of the cap-and-trade system would be transferred to the consumers.</p>
<p>2. California Light-Duty Vehicle Greenhouse Gas Standards. Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs with long-term climate change goals.</p>	<p>Consistent. This is a statewide measure that cannot be implemented by a project applicant or lead agency. However, the standards would be applicable to the light-duty vehicles that would access the project site.</p>
<p>3. Energy Efficiency. Maximize energy efficiency building and appliance standards; pursue additional efficiency including new technologies, policy, and implementation mechanisms. Pursue comparable investment in energy efficiency from all retail providers of electricity in California.</p>	<p>Consistent. This is a measure for the State to increase its energy efficiency standards in new buildings. The project is required to build to the new standards and would increase its energy efficiency through compliance.</p>
<p>4. Renewable Portfolio Standard. Achieve 33% renewable energy mix statewide. Renewable energy sources include (but are not limited to) wind, solar, geothermal, small hydroelectric, biomass, anaerobic digestion, and landfill gas.</p>	<p>Consistent. This is a statewide measure that cannot be implemented by a project applicant or lead agency. PG&E obtains 19% of its power supply from renewable sources such as solar and geothermal.</p>
<p>5. Low Carbon Fuel Standard. Develop and adopt the Low Carbon Fuel Standard.</p>	<p>Consistent. This is a statewide measure that cannot be implemented by a project applicant or lead agency. When this measure is initiated, the standard would be applicable to the fuel used by vehicles that would access the project site.</p>
<p>6. Regional Transportation-Related</p>	<p>Consistent. SB 375 has no</p>

<p>Greenhouse Gas Targets. Develop regional greenhouse gas emissions reduction targets for passenger vehicles. This measure refers to SB 375.</p>	<p>requirements that apply directly to development projects; however, the development and density proposed by the project will contribute to achieving SB 375 regional targets.</p>
<p>7. Vehicle Efficiency Measures. Implement light-duty vehicle efficiency measures.</p>	<p>Consistent. When this measure is initiated, the standards would be applicable to the light-duty vehicles that would access the project site.</p>
<p>8. Goods Movement. Implement adopted regulations for the use of shore power for ships at berth. Improve efficiency in goods movement activities.</p>	<p>Not applicable. The project does not propose any changes to maritime, rail, or intermodal facilities or forms of transportation.</p>
<p>9. Million Solar Roofs Program. Install 3,000 MW of solar-electric capacity under California’s existing solar programs.</p>	<p>Consistent. This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. The project would comply with Title 24, which requires new buildings to be “solar ready.” The project would not preclude the implementation of this strategy.</p>
<p>10. Medium/Heavy-Duty Vehicles. Adopt medium and heavy-duty vehicle efficiency measures.</p>	<p>Not applicable. This is a statewide measure that cannot be implemented by a project applicant or lead agency. The standards phase-in over model years 2014 through 2018. Vehicles that access the project site are subject to the regulation.</p>
<p>11. Industrial Emissions. Require assessment of large industrial sources to determine whether individual sources within a facility can cost effectively reduce greenhouse gas emissions and provide other pollution reduction co-benefits. Reduce greenhouse gas emissions from fugitive emissions from oil and gas extraction and gas transmission. Adopt and implement regulations to control fugitive methane emissions and reduce flaring at refineries.</p>	<p>Not applicable. This measure would apply to the direct GHG emissions at major industrial facilities emitting more than 25,000 MTCO₂e per year. Furthermore, the project is not an industrial land use.</p>
<p>12. High Speed Rail. Support implementation of a high-speed rail</p>	<p>Not applicable. This is a statewide measure that cannot be implemented</p>

system.	by a project applicant or lead agency.
13. Green Building Strategy. Expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings.	Consistent. The project would comply with the California Energy Code, and thus incorporate applicable energy efficiency features designed to reduce project energy consumption.
14. High Global Warming Potential Gases. Adopt measures to reduce high global warming potential gases.	Not applicable. This measure is applicable to the high global warming potential gases that would be used by sources with large equipment (such as in air conditioning and commercial refrigerators) that are not part of this residential project.
15. Recycling and Waste. Reduce methane emissions at landfills. Increase waste diversion, composting, and commercial recycling. Move toward zero-waste.	Consistent. The project would utilize City of Fresno recycling services. The City has consistently exceeded its State recycling mandates.
16. Sustainable Forests. Preserve forest sequestration and encourage the use of forest biomass for sustainable energy generation.	Not applicable. The project site is not forested; therefore, this measure is not applicable.
17. Water. Continue efficiency programs and use cleaner energy sources to move and treat water.	Consistent. The project would comply with Green Building Code regulations and would implement required water conservation features.
18. Agriculture. In the near-term, encourage investment in manure digesters and at the five-year Scoping Plan update determine if the program should be made mandatory by 2020.	Not applicable. The project site is not designated for agriculture purposes. No dairy or, feedlot that would generate manure are proposed to be implemented by the project.

In conclusion, the project contains a range of features which will reduce GHG emissions. These characteristics are in line with the project-level approaches described in the ARB Scoping Plan and the City of Fresno General Plan. The project supports the Scoping Plan's targets by introducing design steps to reduce the energy usage, water use, and vehicle miles traveled. Therefore, the project does not conflict with any plans to reduce GHG emissions. The impact is less than significant.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIAL – Would the project:				
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
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 for people residing or working in the project area?			X	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	

DISCUSSION

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. There are no known existing hazardous material conditions on the property and the property is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. The project itself will not generate or use hazardous materials other than normal household chemicals and cleaning agents.

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. The project is proposing single family residential development, with no chance of the release of hazardous materials into the environment.

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. Although the project site is directly adjacent to an elementary school, the proposed use (single family residential) does not have the potential to emit hazardous emissions or handle hazardous materials.

- 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. The subject site is not located on a site included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5

- 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 for people residing or working in the project area?**

Less than Significant Impact. The subject site is located within the traffic pattern zone of the Fresno Chandler Airport. This proposed residential development on the subject site is in conformance with the Fresno County Airport Land Use Plan and therefore there are no concerns related to the safety of people living on the subject site at the density proposed.

- f) **Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

Less than Significant Impact. The project is proposing a single-family residential development at a density and intensity called for in the Fresno General Plan and Southwest Specific Plan. The development does not have the potential to interfere with an adopted emergency plan or evacuation plan because it is proposing land uses and densities already planned by the Fresno General Plan and Southwest Specific plan. In addition, the proposed project does not impair the implementation of the Fresno County Hazard Mitigation Plan.

- 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. The subject site is not near a forested area or an area with the potential to result in a wildfire. The proposed residential development does not pose a significant risk of loss, injury of death involving wildland fires.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the hazards and hazardous materials related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease 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 a 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	
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	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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

General Plan MEIR mitigation measures included herein, will address the issues of providing an adequate, reliable, and sustainable water supply for the project's urban domestic and public safety consumptive purposes. With MEIR mitigation measures incorporated, the project will not result in any hydrology or water quality impacts beyond those analyzed in MEIR SCH No. 2012111015.

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Prior to construction, the contractor will prepare a Stormwater Pollution Prevention Plan (SWPPP) that is required in the California National Pollution Discharge Elimination System (NPDES). This will ensure that the project will not violate any water quality standards or waste discharge requirements or otherwise degrade surface or ground water quality.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less Than Significant Impact. Water service would be provided to the Project by the City of Fresno. Project water demand was determined using the City's adopted 2015 Urban Water Management Plan (UWMP) methodologies and calculated on the basis of the following assumptions:

- Residential: 84 single-family units; historic water usages per capita adjusted for City Urban Water Management Plan assumptions regarding water conservation usage effects.

- 84 dwelling units X 4.5 persons per dwelling unit =378 persons X 240 GPCD = 90,720 total gallons per day X 365 days per year = 33,112,800 gallons per year

While the Project would increase demand for water resources beyond current levels, the Project would utilize less water than the water demand projections contained in the 2015 UWMP with respect to development of this site. Based on the assumptions in the City's UWMP, the Project would not negatively impact water supplies or otherwise deplete groundwater supplies. Moreover, the proposed Project is not anticipated to interfere with groundwater recharge efforts being implemented by the City. The City's UWMP contains a detailed evaluation of existing sources of water supply, anticipated future water demand, extensive conservation measures, and the development of new water supplies (recycled water, increased recharge, surface water treatment, etc.). Measures contained in the UWMP as well as the City's General Plan are intended to reduce demands on groundwater resources by augmenting supply and introducing conservation measures and other mitigation strategies. Implementation of MEIR Mitigation Measure HYD – 1 will ensure that any impacts remain less than significant.

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:

i. Result in substantial erosion or siltation on- or off-site?

Less Than Significant Impact. The Project has been reviewed by the Fresno Metropolitan Flood Control District and conditions and requirements of the Project pertaining to storm drain facilities have been provided and required which will address potential impacts. In addition, construction related to the development of the proposed project will involve ground preparation work for the proposed houses and associated improvements. These activities may expose soils to natural elements, including rain and wind, which could result in erosion on the site. However, during construction the contractor would be required to employ appropriate sediment and erosion control as part of a Stormwater Pollution Prevention Plan (SWPPP) that is required in the California National Pollution Discharge Elimination System (NPDES). This is already required for projects of this type. Given that these are standard requirements and processes, these are not considered mitigation measures for the purposes of CEQA.

ii. Substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?

Less Than Significant Impact. The Project has been reviewed by the Fresno Metropolitan Flood Control District and conditions and requirements of the

Project pertaining to storm drain facilities have been provided and required which will address potential impacts of surface runoff and there is no anticipated increase in the rate or amount of surface runoff that would result in flooding on- or off- site.

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?

Less Than Significant Impact. The proposed project is proposed at a density intensity allowed and planned for by the City of Fresno and Fresno Metropolitan Flood Control District and thus the runoff water will not exceed the capacity of the planned stormwater drainage facilities in the area. In addition, single family residential uses are not considered a use that produces polluted runoff, and thus, this project would not result in substantial sources of polluted runoff water.

iv. Impede or redirect flood flows?

Less Than Significant Impact. The Project has been reviewed by the Fresno Metropolitan Flood Control District and conditions and requirements of the Project pertaining to storm drain facilities have been provided and required which will address potential impacts. The proposed project will be designed to address and meet all requirements of the Fresno Metropolitan Flood Control District and thus will not impede or redirect flood flows.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No Impact. There are no bodies of water near the site that would create a potential risk of hazards from seiche, tsunami or mudflow.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less Than Significant Impact. The proposed Project will be in compliance with all water quality control plans and other hydrological requirements established by the City of Fresno.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the hydrology and water quality related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?			X	
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?			X	

DISCUSSION

The project would require approval of a tentative tract map. The proposed project site is designated and zoned for residential uses. Upon approval, the proposed project would not conflict with any land use plan, policy or regulation. The project would not require a rezone or General Plan amendment.

a) Physically divide an established community?

Less Than Significant Impact. The subject property is currently used for agricultural uses and will be developed with residential uses. The development of new single-family neighborhoods would connect neighborhoods by providing access to an existing neighborhood to the east of the subject site, and eventually connecting that neighborhood to a future park that will be part of the larger Oasis Master Planned development. Thus, the proposed project will not physically divide an established community.

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?

The proposed project complies with all general plan and specific plan policies. The project is identified for single family residential uses in the Southwest Fresno Specific Plan. In addition, the project will comply with several general plan policies. Specifically, the project will comply with the following goals and policies.

Goal No. 1 of the Fresno General Plan: Increase opportunity, economic development, business and job creation.

The project will provide temporary construction jobs and will provide housing for the growing local work force.

Goal No. 8 of the Fresno General Plan: Develop Complete Neighborhoods and districts with an efficient and diverse mix of residential densities, building types, and affordability which are designed to be healthy, attractive, and centered by schools, parks, and public and commercial services to provide a sense of place and that provide as many services as possible within walking distance.

The project is part of a master plan that will include 2 parks, is near public schools, and is in an area planned for additional residential development.

Goal No. 12 of the Fresno General Plan: Resolve existing public infrastructure and service deficiencies, make full use of existing infrastructure, and invest in improvements to increase competitiveness and promote economic growth.

The Project will tie into existing infrastructure (water, sewer and storm water) located in the project vicinity.

Implementing Policies LU-1-a and LU-2-a of the Fresno General Plan: promote development of vacant, underdeveloped, and re-developable land within the within the Existing City Limits as of December 31, 2012 where urban services are available.

The proposed Project will be constructed in an area planned for residential development where existing infrastructure is available.

Implementing Policy LU-5-b of the Fresno General Plan: promotes medium low density residential uses to preserve existing uses of that nature or provide a transition between low and medium density residential areas.

The proposed Project is located in an area that is planned for residential development.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
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) 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. The subject site is not located in an area designated for mineral resource preservation or recovery, therefore, the project will not 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.

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. The subject site is not delineated on a local general plan, specific plan or other land use plan as a locally important mineral resource recovery site; therefore, it will not result in the loss of availability of a locally-important mineral resource. In conclusion, the proposed project would not result in any mineral resource environmental impacts beyond those analyzed in MEIR SCH No. 2012111015.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
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 groundborne vibration or groundborne 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

The Project is located within an area characterized by rural residential and agricultural land uses in the southwest portion of Fresno.

Noise is most often described as unwanted sound. Although sound can be easily measured, the perception of noise and the physical response to sound complicate the analysis of its impact on people. The City of Fresno is impacted by a multitude of noise sources. Mobile sources of noise, especially cars and trucks, are the most common and significant sources of noise in most communities, and they are predominant sources of noise in the City. In addition, commercial, industrial, and institutional land uses throughout the City (i.e., schools, fire stations, utilities) generate stationary-source noise. The Project is located in an area with a mix of uses. The predominant noise sources in the Project area include traffic on local roadways, typical noise from the

nearby schools (loud speakers, kids playing, etc.), residential noise (lawn mowers, audio equipment, voices, etc.), and noise from nearby agricultural operations. Sensitive receptors in the area include the residential housing and a school to the west of the subject site.

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 in other applicable local, state, or federal standards?

Less Than Significant Impact. Guidance for acceptable noise levels are provided in Section 10-102(b) of the City's Municipal Code. Section 10 provides existing ambient noise levels to be applied to various districts, further divided into various hours of the day. For residential projects, a noise violation is expected to occur if ambient noise levels (measured in dBA) are increased by more than 5 dBA.

Proposed Project construction related activities will involve temporary noise sources. Typical construction related equipment include graders, trenchers, small tractors and excavators. Activities involved in construction will generate maximum noise levels, as indicated in Table 3.12-1, ranging from 79 to 91 dBA at a distance of 50 feet, without feasible noise control (e.g., mufflers) and ranging from 75 to 80 dBA at a distance of 50 feet, with feasible noise controls. In order to address the potential impacts construction activities would not occur between the hours of 10:00 PM and 7:00 AM, Monday through Saturday, and not at all on Sundays, in accordance with Fresno Municipal Code Section 10-109, which limits work hours "to between the hours of 7 AM and 10 PM on any day except Sunday."

The primary source of on-going noise from the propose project will be from vehicles traveling to and from the site. The Project will generate an increase in traffic on some roadways in the Project area. However, the relatively low number of new trips associated with the Project is not likely to increase the ambient noise levels by a significant amount. Policy H-1-b of the City's Noise Element addresses significant Project- related increases in ambient noise levels for evaluation of noise impacts. A significant increase is assumed to occur if a project causes the ambient noise level to increase by the following amounts:

- Where ambient noise levels are <60 dB : an increase of 5 dB or more
- Where ambient noise levels are 60-65 dB: an increase of 3 dB or more
- Where ambient noise levels are >65 dB :an increase of 1.5 dB or more

Given the amount of existing vehicular activity in the Project area, the moderate increase in traffic associated with the 84 new single family residential homes is not expected to increase ambient noise levels by more than 1 dB. The area is active with vehicles, residential housing and agricultural operations and the proposed Project will not introduce a new significant source of noise that isn't already

occurring in the area.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. Any groundborne vibration would occur during construction and would not be long-term. There are no aspects of daily operations that would create groundborne vibration.

c) 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 expose people residing or working in the project area to excessive noise levels?

Less Than Significant Impact. Although the subject property is within the Traffic Pattern Zone for the Chandler Airport, the Fresno County Airport Land Use Plan shows that the subject site is not located within a 60 or 60 CNEL noise contour. Thus, residential uses are considered compatible in this area and thus the location of residential uses on the subject site will not expose people residing in the area to excessive noise levels from aircraft.

Mitigation Measures

1. The proposed project shall implement and incorporate the noise related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
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	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

DISCUSSION

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)?

Less than Significant Impact. CEQA Guidelines Section 15126.2(d) requires that a CEQA document discuss the ways in which the proposed Project could foster economic or population growth, or the construction of additional housing, either directly or indirectly, in the surrounding environment. The CEQA Guidelines provide the example of a major expansion of a wastewater treatment plant that may allow for more construction within the service area. The CEQA Guidelines also note that the evaluation of growth inducement should consider the characteristics of a project that may encourage or facilitate other activities that could significantly affect the environment. This impact will first discuss the potential for direct and indirect growth inducement and then address consistency with regional population and growth projections. Direct and Indirect Growth Inducement consists of activities that directly facilitate population growth. The construction of new dwelling units is considered an activity that directly results in population growth.

A key consideration in evaluating growth inducement is whether the activity in question constitutes “planned growth”. A residential project that is consistent with the underlying General Plan and zoning designations would generally be considered planned growth because it was previously contemplated by these long-range documents, and, thus, would not be deemed to have a significant growth-inducing effect.

In addition, it is expected that the infrastructure extended to the Project site would be sized to serve the Project and will not be “over-sized” to serve any additional development in the area. As such, the extension of this urban infrastructure is “growth accommodating” because it is intended to facilitate planned growth. This relatively small population will not affect any regional population, housing or employment projections anticipated by City policy documents.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The project site is currently used for agricultural uses and will not result in the displacement of people or housing.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES – Would the project:				
a) 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:				
Fire protection?			X	
Police protection?			X	
Schools?			X	
Parks?			X	
Other public facilities?			X	

DISCUSSION

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

i. Fire protection?

Less than Significant Impact. According to the City of Fresno Fire Department, with the construction of Fire Station #19 several years ago, all houses are within a 3.0 mile response distance from an existing operational fire station. Fire station 19 is the nearest station and is approximately 2.2 miles (driving distance) north of the site. The tract is over ½ mile to an existing public water main infrastructure. Because of this, the applicant is required to provide public water mains with two sources of water and fire hydrants within the tract at 600 foot residential spacing. With the implementation of standard conditions of approval, adequate fire services can be provided to the subject site with no impacts to response times or service ratios.

ii. Police protection?

Less than Significant Impact. Protection services would be provided to the Project from the existing Southwest Police District, approximately three miles to the southwest at 1211 Fresno Street, Fresno, CA 93706. The Fresno Police Department provides a full range of police services including uniformed patrol response to calls for service, crime prevention, tactical crime and enforcement (including gang and violent crime suppression), and traffic enforcement/accident prevention. The Project site is located in an area currently served by the Police Department; the Department would not need to expand its existing service area or construct a new facility to serve the Project site.

iii. Schools?

Less than Significant Impact. The closest school is Madison elementary school, which is immediately west and adjacent to the subject site. The closest middle school is El Capitan Middle School which is approximately 4 miles north of the site and the closest High School is Central High East Campus at approximately 5.7 miles northwest of the subject site. Educational services for the proposed Project will be provided by the Central Unified School District and the Project developer will be required to pay a School Impact Fee to mitigate impacts to the school. Funding for schools and school facilities impacts is outlined in Education Code Section 17620 and Government Code Section 65995 et. seq., which governs the amount of fees that can be levied against new development. These fees are used to construct new or expanded school facilities. Payment of fees authorized by the statute is deemed “full and complete mitigation.” The proposed Project will be required to pay impact fees from new development based on the Developer Fee rates that are in place at the time payment is due. The

payment amount is determined by the School District and the State Allocation Board (SAB). Payment of the applicable impact fees by the Project applicant would fund capital and labor costs associated with providing school services to the Project.

iv. Parks?

Less than Significant Impact. The proposed project (the construction of 84 single family homes) is part of a larger master planned development that is proposing the construction of two parks. In addition, the Project will be required to pay City park facility impact fees. The nearest parks to the site are Chandler Park, which is 1.43 miles from the subject site, and Sunset Park, which is 1.48 miles from the subject site.

v. Other public facilities?

Less than Significant Impact. Development of the Project will increase the demand for other public services. However, the small increase in demand will not require construction of additional facilities. In addition, mitigation measures General Plan MIER mitigation measure PUB-1 (Payment of public service impact fees) requires that the Project Applicant pay development impact fees for police, fire, recreation and other public services as determined by the City of Fresno

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the public service related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION - Would the project:				
a) 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	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	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?			X	

DISCUSSION

- a) **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?**

Less than Significant Impact. The proposed project (the construction of 84 single family homes) is part of a larger master planned development (the larger part was previously approved and environmentally cleared) that is proposing the construction of two parks. One park will be 1.6 acres, while the second park will be just under an acre. Based on the relatively low number of homes proposed for this project (84) and the fact that two parks will be constructed on adjacent property, the project will not result in the substantial physical deterioration of existing park facilities.

- b) **Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?**

Less than Significant Impact. As mentioned above, the proposed project (the construction of 84 single family homes) is part of a larger master planned development (the larger part was previously approved and environmentally cleared) that is proposing the construction of two parks. Since these new parks are being provided off-site and the environmental impacts have already been analyzed, the proposed project will have no additional impacts in regards to the physical expansion of park space.

Mitigation Measures

1. The proposed project shall implement and incorporate the recreation related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
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 § 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) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less Than Significant Impact. The proposed project will be required to comply with all project level requirements implemented by a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities. The project has incorporated design standards that are required in the Subdivision Design Standards contained in the Fresno Municipal Code, many of which are intended to increase alternative modes of travel by requiring street design that accommodates multi-modal transportation facilities. In addition, according to General Plan Policy MT-2-1, the project does not trigger the requirement to prepare a Traffic Impact Study.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

No Impact. According to Section 15007-c of CEQA Guidelines, Section 15064.3 does not apply to a CEQA documents (including a Notice of Intent) that are sent out

for public review by June 30, 2020.

- c) **Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

Less Than Significant Impact. The proposed Project has been designed for ease of access, adequate circulation/movement, and is typical of residential developments in the City of Fresno. On-site circulation patterns do not involve high speeds, sharp curves or dangerous intersections. Although there will be an increase in the volume of vehicles accessing the site and surrounding areas, the proposed Project will not present a substantial increase in hazards.

- d) **Result in inadequate emergency access?**

Less Than Significant Impact. The proposed Project does not involve a change to any emergency response plan. Access points to the Project are along West Madison and South Valentine Avenues and the site will remain accessible to emergency vehicles of all sizes.

Mitigation Measures

1. The proposed project shall implement and incorporate the transportation related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRIBAL CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC 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:				

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in PRC section 5020.1(k), or,				X
ii) 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 PRC section 5024.1. In applying the criteria set forth in subdivision (c) of PRC section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.			X	

DISCUSSION

a) **Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:**

- i. **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. The subject site does not contain any property or site features that are 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)

- ii. **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.

Less Than Significant Impact. In accordance with Assembly Bill (AB) 52 potentially affected Tribes were formally notified of this Project and were given the opportunity to request consultation on the Project. The City contacted the Native American Heritage Commission, requesting a contact list of applicable Native American Tribes, which was provided to the City. The City contacted the Native American Heritage Commission, requesting a contact list of applicable Native American Tribes, which was provided to the City. The City provided letters to the listed Tribes, notifying them of the Project and requesting consultation, if desired. The City did not receive any responses from the tribes contacted. The City did not receive any responses from the tribes contacted. Therefore, there is a less than significant impact.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the cultural resource related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
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 effect?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Result in a determination by the waste water 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 in excess of the capacity of local 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

The Project site is currently being utilized for vineyards, irrigated pasture, disked fields and rural residential homes. The Project will be required to connect to water, sewer, stormwater and wastewater services provided by the City of Fresno and may be subject to water use fees and/or development fees to be provided such service. In addition, the Project will require solid waste disposal services. The City of Fresno also provides solid waste, recycling, and green waste collection services to residential customers within the City limits.

- 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. Wastewater service, water, electric power, natural gas and telecommunications facilities would all provide service to the proposed Project from their respective existing facilities and as such, would not be required to

construct new or expanded facilities and thus the Project will have a 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. Water service would be provided to the Project by the City of Fresno. Project water demand will be determined using the City's adopted 2015 Urban Water Management Plan (UWMP) methodologies and will be calculated on the basis of the following assumptions:

- Residential: 84 single-family units; historic water usages per capita adjusted for City Urban Water Management Plan assumptions regarding water conservation usage effects.
- $84 \text{ dwelling units} \times 4.5 \text{ persons per dwelling unit} = 378 \text{ persons} \times 240 \text{ GPCD} = 90,720 \text{ total gallons per day} \times 365 \text{ days per year} = 33,112,800 \text{ gallons per year}$

While the Project would increase demand for water resources beyond current levels, the Project would utilize less water than the water demand projections contained in the 2015 UWMP with respect to development of this site. Based on the assumptions in the City's UWMP, the Project would not negatively impact water supplies or otherwise deplete groundwater supplies. Moreover, the proposed Project is not anticipated to interfere with groundwater recharge efforts being implemented by the City. The City's UWMP contains a detailed evaluation of existing sources of water supply, anticipated future water demand, extensive conservation measures, and the development of new water supplies (recycled water, increased recharge, surface water treatment, etc.). Measures contained in the UWMP as well as the City's General Plan are intended to reduce demands on groundwater resources by augmenting supply and introducing conservation measures and other mitigation strategies. Implementation of MEIR Mitigation Measure HYD – 1 will ensure that any impacts remain less than significant. In addition, the project will utilize recycled water for public landscaped areas, further reducing the project's impacts.

In addition, the Project will be required to implement the City of Fresno Water Conservation Program, including implementation of the State's Water Efficient Landscape Ordinance. The California Water Conservation Act mandates a 20 percent reduction in water usage by 2020. The City will meet the reduction target with measures applicable to new and existing development. Reductions beyond the state mandated 20 percent are possible with the use of building and landscaping water conservation features. The reductions from buildings can be achieved with high efficiency toilets, low-flow faucets, and water-efficient appliances such as dishwashers. Water savings from landscaping would be achieved primarily through the use of drought-tolerant landscaping or xeriscaping.

- 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?**

Less Than Significant Impact. The proposed single-family residential development is proposed at an intensity contemplated for the site by the Fresno General Plan. The project has been reviewed by the City of Fresno Department of Public Utilities and has been determined that the capacity exists to serve the proposed project subject to standard conditions of approval. The Project will result in wastewater from residential units that will be discharged into the City's existing wastewater treatment system. The wastewater will be typical of other urban/residential developments consisting of bathrooms, kitchen drains and other similar features. The Project will not discharge any unusual or atypical wastewater that would violate the City's waste discharge requirements. The City of Fresno Department of Public Utilities has reviewed the Project and determined that it can accommodate the wastewater generated from the project. Therefore, the impact of the Project on wastewater treatment is less than significant.

- 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?**

Less Than Significant Impact. The proposed single-family residential development is proposed at an intensity contemplated for the site by the Fresno General Plan. The project has been reviewed by the Solid Waste Division of the City of Fresno Department of Public Utilities and has been determined that the capacity exists to serve the proposed project subject to standard conditions of approval.

- e) **Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?**

Less Than Significant Impact. The proposed Project will comply with federal, state and local management and reduction statutes related to solid waste. In addition, the City requires all developments, including residential developments to comply with all standards related to recycling. All single-family residential homes will be mandated to have separate garbage, recycling and green waste bins.

Mitigation Measures

1. The proposed project shall implement and incorporate, as applicable, the utilities and service systems related mitigation measures as identified in the attached MEIR Mitigation Monitoring and Reporting Program dated June 26, 2020.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
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 project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				X
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?				X
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?				X

DISCUSSION

Although the City of Fresno is proximate to high and very high fire hazard designated areas, the City itself is largely categorized as little or no threat or moderate fire hazard, which is largely attributed paved areas. Some small areas along the San Joaquin River Bluff in the northern portion of the City of Fresno are prone to wildfire due to the relatively steep terrain and vegetation and are classified as having a high fire hazard. The City does have an adopted Emergency Operations Plan (EOP); however, the EOP does not designate evacuation routes, which may not be necessary since Fresno does not face any expected natural hazards from likely sources or locations. The proposed Project site's elevation is approximately 285 feet above mean sea level in an area of agricultural and semi-urban development. The Project site is located on primarily irrigated land, adjacent to other agricultural land, rural residential homes, and single-family tract homes.

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The proposed Project would be required to be comply with adopted emergency response plans. As such, any wildfire risk to the Project structures or people would be less than significant.

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?

Less Than Significant Impact. The project area is flat and does not pose any factors that would or could exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire.

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. The proposed Project is located in an area developed with semi-urban and agricultural uses and thus will not require the installation or maintenance of facilities that may exacerbate fire risk or result in impacts to the environment.

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. The Project site is located on irrigated land that is adjacent to roadways, agricultural lands, rural residential housing and single-family tract

homes. The area is highly developed nature of the area, the lack of slopes and lack of conditions increase wildfire risk is determined to be less than significant.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to 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, 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 environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

DISCUSSION

- 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 an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?**

Less than Significant Impact. The analyses of environmental issues contained in this Initial Study indicate that the proposed Project is not expected to have substantial impact on the environment or on any resources identified in the Initial Study. General Plan MEIR Mitigation measures and standard requirements and conditions have been incorporated in the Project to reduce all potentially significant impacts to less than significant.

- 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. CEQA Guidelines Section 15064(i) states that a Lead Agency shall consider whether the cumulative impact of a project is significant and whether the effects of the project are cumulatively considerable. The assessment of the significance of the cumulative effects of a project must, therefore, be conducted in connection with the effects of past projects, other current projects, and probable future projects. Due to the nature of the Project and consistency with environmental policies, incremental contributions to impacts are considered less than cumulatively considerable. All Project related impacts were determined to be either less than significant, or less than significant after mitigation. The proposed Project would not contribute substantially to adverse cumulative conditions, or create any substantial indirect impacts (i.e., increase in population could lead to an increase need for housing, increase in traffic, air pollutants, etc.). As such, Project impacts are not considered to be cumulatively considerable given the planned growth in the area and the insignificance of Project induced impacts. The impact is therefore less than significant.

- c) **Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?**

Less than Significant Impact. The analyses of environmental issues contained in this Initial Study indicate that the Project is not expected to have substantial impact on human beings, either directly or indirectly. General Plan MEIR Mitigation measures and standard requirements and conditions have been incorporated in the Project to reduce all potentially significant impacts to less than significant.

MEIR Mitigation Measure Monitoring Checklist for EA No. T-6183/T-6184

Dated June 26, 2020

INCORPORATING MEASURES FROM THE MASTER ENVIRONMENTAL IMPACT REPORT (MEIR) CERTIFIED FOR THE CITY OF FRESNO GENERAL PLAN UPDATE (SCH No. 2012111015)

This mitigation measure monitoring and reporting checklist was prepared pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15097 and Section 21081.6 of the Public Resources Code (PRC). It was certified as part of the Fresno City Council's approval of the MEIR for the Fresno General Plan update (Fresno City Council Resolution 2014-225, adopted December 18, 2014).

Letter designations to the right of each MEIR mitigation measure listed in this Exhibit note how the mitigation measure relates to the environmental assessment of the above-listed project, according to the key found at right and at the bottoms of the following pages:

- A** - Incorporated into Project
- B** - Mitigated
- C** - Mitigation in Progress
- D** - Responsible Agency Contacted
- E** - Part of City-wide Program
- F** - Not Applicable

The timing of implementing each mitigation measure is identified in in the checklist, as well as identifies the entity responsible for verifying that the mitigation measures applied to a project are performed. Project applicants are responsible for providing evidence that mitigation measures are implemented. As lead agency, the City of Fresno is responsible for verifying that mitigation is performed/completed.

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	COMPLIANCE					
			A	B	C	D	E	F

Aesthetics:

<p>AES-1. Lighting systems for street and parking areas shall include shields to direct light to the roadway surfaces and parking areas. Vertical shields on the light fixtures shall also be used to direct light away from adjacent light sensitive land uses such as residences.</p> <p>Verification comments:</p>	<p>Prior to issuance of building permits</p>	<p>Public Works Department (PW) and Planning & Development Dept. (P-D)</p>	<p>X</p>						

Aesthetics (continued):

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
<p>AES-2: Lighting systems for public facilities such as active play areas shall provide adequate illumination for the activity; however, low intensity light fixtures and shields shall be used to minimize spillover light onto adjacent properties.</p> <p>Verification comments:</p>	<p>Prior to issuance of building permits</p>	<p>P-D</p>	<p>X</p>					
<p>AES-3: Lighting systems for non-residential uses, not including public facilities, shall provide shields on the light fixtures and orient the lighting system away from adjacent properties. Low intensity light fixtures shall also be used if excessive spillover light onto adjacent properties will occur.</p> <p>Verification comments:</p>	<p>Prior to issuance of building permits</p>	<p>P-D</p>	<p>X</p>					
<p>AES-4: Lighting systems for freestanding signs shall not exceed 100 foot Lamberts (FT-L) when adjacent to streets which have an average light intensity of less than 2.0 horizontal footcandles and shall not exceed 500 FT-L when adjacent to streets which have an average light intensity of 2.0 horizontal footcandles or greater.</p> <p>Verification comments:</p>	<p>Prior to issuance of building permits</p>	<p>P-D</p>	<p>X</p>					

A - Incorporated into Project
 B - Mitigated

C - Mitigation in Process
 D - Responsible Agency Contacted

E - Part of City-Wide Program
 F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Air Quality *(continued)*:

<p>AIR-2: Projects that result in an increased cancer risk of 10 in a million or exceed criteria pollutant ambient air quality standards shall implement site-specific measures that reduce toxic air contaminant (TAC) exposure to reduce excess cancer risk to less than 10 in a million. Possible control measures include but are not limited to:</p> <ul style="list-style-type: none"> • Locate loading docks and truck access routes as far from sensitive receptors as reasonably possible considering site design limitations to comply with other City design standards. • Post signs requiring drivers to limit idling to 5 minutes or less • Construct block walls to reduce the flow of emissions toward sensitive receptors • Install a vegetative barrier downwind from the TAC source that can absorb a portion of the diesel PM emissions • For projects proposing to locate a new building containing sensitive receptors near existing sources of TAC emissions, install HEPA filters in HVAC systems to reduce TAC emission levels exceeding risk thresholds. • Install heating and cooling services at truck stops to eliminate the need for idling during overnight stops to run onboard systems. <p><i>(continued on next page)</i></p>	<p>Prior to development project approval</p>	<p>P-D</p>						<p>X</p>
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Air Quality (continued):								
<p>AIR-2 (continued from previous page)</p> <ul style="list-style-type: none"> For large distribution centers where the owner controls the vehicle fleet, provide facilities to support alternative fueled trucks powered by fuels such as natural gas or bio-diesel Utilize electric powered material handling equipment where feasible for the weight and volume of material to be moved. <p>Verification comments:</p>	[see previous page]	[see previous page]						
<p>AIR-3: Require developers proposing projects on ARB's list of projects in its Air Quality and Land Use Handbook (Handbook) warranting special consideration to prepare a cumulative health risk assessment when sensitive receptors are located within the distance screening criteria of the facility as listed in the ARB Handbook.</p> <p>Verification comments:</p>	Prior to development project approval	P-D						X

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Air Quality (continued):								
<p>AIR-4: Require developers of projects containing sensitive receptors to provide a cumulative health risk assessment at project locations exceeding ARB Land Use Handbook distance screening criteria or newer criteria that may be developed by the San Joaquin Valley Air Pollution Control District (SJVAPCD).</p> <p>Verification comments:</p>	<p>Prior to development project approval</p>	<p>P-D</p>						X
<p>AIR-5: Require developers of projects with the potential to generate significant odor impacts as determined through review of SJVAPCD odor complaint history for similar facilities and consultation with the SJVAPCD to prepare an odor impact assessment and to implement odor control measures recommended by the SJVAPCD or the City to the extent needed to reduce the impact to less than significant.</p> <p>Verification comments:</p>	<p>Prior to development project approval</p>	<p>P-D</p>					X	

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Biological Resources:								
<p>BIO-1: Construction of a proposed project should avoid, where possible, vegetation communities that provide suitable habitat for a special-status species known to occur within the Planning Area. If construction within potentially suitable habitat must occur, the presence/absence of any special-status plant or wildlife species must be determined prior to construction, to determine if the habitat supports any special-status species. If special-status species are determined to occupy any portion of a project site, avoidance and minimization measures shall be incorporated into the construction phase of a project to avoid direct or incidental take of a listed species to the greatest extent feasible.</p> <p>Verification comments:</p>	<p>Prior to development project approval</p>	<p>P-D</p>	<p>X</p>					
<p>BIO-2: Direct or incidental take of any state or federally listed species should be avoided to the greatest extent feasible. If construction of a proposed project will result in the direct or incidental take of a listed species, consultation with the resources agencies and/or additional permitting may be required. Agency consultation through the California Department of Fish and Wildlife (CDFW) 2081 and U.S. Fish and Wildlife Service (USFWS) Section 7 or Section 10 permitting processes must take place prior to any action that <i>(continued on next page)</i></p>	<p>Prior to development project approval</p>	<p>P-D</p>	<p>X</p>					

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C - Mitigation in Process
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Biological Resources *(continued)*:

<p>BIO-2 <i>(continued from previous page)</i> may result in the direct or incidental take of a listed species. Specific mitigation measures for direct or incidental impacts to a listed species will be determined on a case-by-case basis through agency consultation. Verification comments:</p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>							
<p>BIO-3: Development within the Planning Area should avoid, where possible, special-status natural communities and vegetation communities that provide suitable habitat for special-status species. If a proposed project will result in the loss of a special-status natural community or suitable habitat for special-status species, compensatory habitat-based mitigation is required under CEQA and the California Endangered Species Act (CESA). Mitigation will consist of preserving on-site habitat, restoring similar habitat or purchasing off-site credits from an approved mitigation bank. Compensatory mitigation will be determined through consultation with the City and/or resource agencies. An appropriate mitigation strategy and ratio will be agreed upon by the developer and lead agency to reduce project impacts to special-status natural communities to a less than significant <i>(continued on next page)</i></p>	<p>Prior to development project approval</p>	<p>P-D</p>	<p>X</p>						

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Biological Resources *(continued)*:

<p>BIO-3 <i>(continued from previous page)</i>: level. Agreed-upon mitigation ratios will depend on the quality of the habitat and presence/absence of a special-status species. The specific mitigation for project level impacts will be determined on a case-by-case basis. Verification comments:</p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>							
<p>BIO-4: Proposed projects within the Planning Area should avoid, if possible, construction within the general nesting season of February through August for avian species protected under Fish and Game Code 3500 and the Migratory Bird Treaty Act (MBTA), if it is determined that suitable nesting habitat occurs on a project site. If construction cannot avoid the nesting season, a pre-construction clearance survey must be conducted to determine if any nesting birds or nesting activity is observed on or within 500-feet of a project site. If an active nest is observed during the survey, a biological monitor must be on site to ensure that no proposed project activities would impact the active nest. A suitable buffer will be established around the active nest until the nestlings have fledged and the nest is no longer active. Project activities <i>(continued on next page)</i></p>	<p>Prior to development project approval and during construction activities</p>	<p>P-D</p>	<p>X</p>						

A - Incorporated into Project
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Biological Resources (continued):								
<p>BIO-4 (continued from previous page): may continue in the vicinity of the nest only at the discretion of the biological monitor. Verification comments:</p>	[see previous page]	[see previous page]						
<p>BIO-5: If a proposed project will result in the removal or impact to any riparian habitat and/or a special-status natural community with potential to occur in the Planning Area, compensatory habitat-based mitigation shall be required to reduce project impacts. Compensatory mitigation must involve the preservation or restoration or the purchase of off-site mitigation credits for impacts to riparian habitat and/or a special-status natural community. Mitigation must be conducted in-kind or within an approved mitigation bank in the region. The specific mitigation ratio for habitat-based mitigation will be determined through consultation with the appropriate agency (i.e., CDFW or USFWS) on a case-by-case basis. Verification comments:</p>	Prior to development project approval	P-D						X

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Biological Resources <i>(continued)</i> :								
<p>BIO-8: If a proposed project will result in the significant alteration or fill of a federally protected wetland, a formal wetland delineation conducted according to U.S. Army Corps of Engineers (USACE) accepted methodology is required for each project to determine the extent of wetlands on a project site. The delineation shall be used to determine if federal permitting and mitigation strategy are required to reduce project impacts. Acquisition of permits from USACE for the fill of wetlands and USACE approval of a wetland mitigation plan would ensure a “no net loss” of wetland habitat within the Planning Area. Appropriate wetland mitigation/creation shall be implemented in a ratio according to the size of the impacted wetland.</p> <p>Verification comments:</p>	<p>Prior to development project approval</p>	<p>P-D</p>						X
<p>BIO-9: In addition to regulatory agency permitting, Best Management Practices (BMPs) identified from a list provided by the USACE shall be incorporated into the design and construction phase of the project to ensure that no pollutants or siltation drain into a federally protected wetland. Project design features such as fencing, appropriate drainage and <i>(continued on next page)</i></p>	<p>Prior to development project approval; but for long-term operational BMPs, prior to issuance of occupancy</p>	<p>P-D</p>					X	

A - Incorporated into Project
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E - Part of City-Wide Program
F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Biological Resources *(continued)*:

<p>BIO-9 <i>(continued from previous page)</i>: incorporating detention basins shall assist in ensuring project-related impacts to wetland habitat are minimized to the greatest extent feasible. Verification comments:</p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						
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Cultural Resources:

<p>CUL-1: If previously unknown resources are encountered before or during grading activities, construction shall stop in the immediate vicinity of the find and a qualified historical resources specialist shall be consulted to determine whether the resource requires further study. The qualified historical resources specialist shall make recommendations to the City on the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with Section 15064.5 of the CEQA Guidelines and the City’s Historic Preservation Ordinance. If the resources are determined to be unique historical resources as defined under Section 15064.5 of the CEQA Guidelines, measures shall be identified by the monitor and <i>(continued on next page)</i></p>	<p>Prior to commencement of, and during, construction activities</p>	<p>P-D</p>	<p>X</p>					
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Cultural Resources *(continued)*:

<p>CUL-1 <i>(continued from previous page)</i></p> <p>recommended to the Lead Agency. Appropriate measures for significant resources could include avoidance or capping, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds.</p> <p>No further grading shall occur in the area of the discovery until the Lead Agency approves the measures to protect these. Any historical artifacts recovered as a result of mitigation shall be provided to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.</p> <p>Verification comments:</p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>							
<p>CUL-2: Subsequent to a preliminary City review of the project grading plans, if there is evidence that a project will include excavation or construction activities within previously undisturbed soils, a field survey and literature search for prehistoric archaeological resources shall be conducted. The following procedures shall be followed.</p> <p>If prehistoric resources are not found during either the field survey or literature search, excavation and/or construction activities can commence. In the event that buried prehistoric <i>(continued on next page)</i></p>	<p>Prior to commencement of, and during, construction activities</p>	<p>P-D</p>	<p>X</p>						

A - Incorporated into Project
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F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Cultural Resources *(continued)*:

<p>CUL-2 <i>(continued from previous page)</i></p> <p>archaeological resources are discovered during excavation and/or construction activities, construction shall stop in the immediate vicinity of the find and a qualified archaeologist shall be consulted to determine whether the resource requires further study. The qualified archaeologist shall make recommendations to the City on the measures that shall be implemented to protect the discovered resources, including but not limited to excavation of the finds and evaluation of the finds in accordance with CEQA Guidelines Section 15064.5.</p> <p>If the resources are determined to be unique prehistoric archaeological resources as defined under Section 15064.5 of the CEQA Guidelines, mitigation measures shall be identified by the monitor and recommended to the Lead Agency. Appropriate measures for significant resources could include avoidance or capping, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds. No further grading shall occur in the area of the discovery until the Lead Agency approves the measures to protect these resources. Any prehistoric archaeological artifacts recovered as a result of mitigation shall be provided <i>(continued on next page)</i></p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Cultural Resources (continued):

<p>CUL-2 (further continued from previous two pages)</p> <p>to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.</p> <p>If prehistoric resources are found during the field survey or literature review, the resources shall be inventoried using appropriate State record forms and submit the forms to the Southern San Joaquin Valley Information Center. The resources shall be evaluated for significance. If the resources are found to be significant, measures shall be identified by the qualified archaeologist. Similar to above, appropriate mitigation measures for significant resources could include avoidance or capping, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds.</p> <p>In addition, appropriate mitigation for excavation and construction activities in the vicinity of the resources found during the field survey or literature review shall include an archaeological monitor. The monitoring period shall be determined by the qualified archaeologist. If additional prehistoric archaeological resources are found during</p> <p style="text-align: right;"><i>(continued on next page)</i></p>	<p>[see Page 14]</p>	<p>[see Page 14]</p>						
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Cultural Resources (continued):

- A** - Incorporated into Project
- B** - Mitigated

- C** - Mitigation in Process
- D** - Responsible Agency Contacted

- E** - Part of City-Wide Program
- F** - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
<p>CUL-2 <i>(further continued from previous three pages)</i></p> <p>excavation and/or construction activities, the procedure identified above for the discovery of unknown resources shall be followed.</p> <p>Verification comments:</p>	<p>[see Page 14]</p>	<p>[see Page 14]</p>						
<p>CUL-3: Subsequent to a preliminary City review of the project grading plans, if there is evidence that a project will include excavation or construction activities within previously undisturbed soils, a field survey and literature search for unique paleontological/geological resources shall be conducted. The following procedures shall be followed:</p> <p>If unique paleontological/geological resources are not found during either the field survey or literature search, excavation and/or construction activities can commence. In the event that unique paleontological/geological resources are discovered during excavation and/or construction activities, construction shall stop in the immediate vicinity of the find and a qualified paleontologist shall be consulted to determine whether the resource requires further study. The qualified paleontologist shall make recommendations to the City on the measures that shall be implemented to protect the discovered</p> <p><i>(continued on next page)</i></p>	<p>Prior to commencement of, and during, construction activities</p>	<p>P-D</p>	<p>X</p>					

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
<p>CUL-3 <i>(continued from previous page)</i></p> <p>resources, including but not limited to, excavation of the finds and evaluation of the finds. If the resources are determined to be significant, mitigation measures shall be identified by the monitor and recommended to the Lead Agency. Appropriate mitigation measures for significant resources could include avoidance or capping, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds. No further grading shall occur in the area of the discovery until the Lead Agency approves the measures to protect these resources. Any paleontological/geological resources recovered as a result of mitigation shall be provided to a City-approved institution or person who is capable of providing long-term preservation to allow future scientific study.</p> <p>If unique paleontological/geological resources are found during the field survey or literature review, the resources shall be inventoried and evaluated for significance. If the resources are found to be significant, mitigation measures shall be identified by the qualified paleontologist. Similar to above, appropriate mitigation measures for significant resources could include avoidance or capping, incorporation of the site in green space, parks, or open space, or data recovery excavations of the finds. In addition, appropriate mitigation for excavation and construction activities in the vicinity of the</p> <p style="text-align: right;"><i>(continued on next page)</i></p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Cultural Resources *(continued)*:

<p>CUL-3 <i>(further continued from previous two pages)</i></p> <p>resources found during the field survey or literature review shall include a paleontological monitor. The monitoring period shall be determined by the qualified paleontologist. If additional paleontological/geological resources are found during excavation and/or construction activities, the procedure identified above for the discovery of unknown resources shall be followed.</p> <p>Verification comments:</p>	<p>[see Page 17]</p>	<p>[see Page 17]</p>							
<p>CUL-4: In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to Health and Safety Code (HSC) Section 7050.5, no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to PRC Section 5097.98(a). If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most <i>(continued on next page)</i></p>	<p>Prior to commencement of, and during, construction activities</p>	<p>P-D</p>	<p>X</p>						

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Cultural Resources (continued):								
<p>CUL-4 <i>(continued from previous page)</i></p> <p>likely descendent of the deceased Native American, who shall then serve as the consultant on how to proceed with the remains.</p> <p>Pursuant to PRC Section 5097.98(b), upon the discovery of Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located is not damaged or disturbed by further development activity until the landowner has discussed and conferred with the most likely descendants regarding their recommendations, if applicable, taking into account the possibility of multiple human remains. The landowner shall discuss and confer with the descendants all reasonable options regarding the descendants' preferences for treatment.</p> <p>Verification comments:</p>	[see previous page]	[see previous page]						

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Hazards and Hazardous Materials								
<p>HAZ-1: Re-designate the existing vacant land proposed for low density residential located northwest of the intersection of East Garland Avenue and North Dearing Avenue and located within Fresno Yosemite International Airport Zone 1-RPZ, to Open Space. Verification comments:</p>	Prior to development approvals	P-D						X
<p>HAZ-2: Limit the proposed low density residential (1 to 3 dwelling units per acre) located northwest of the airport, and located within Fresno Yosemite International Airport Zone 3-Inner Turning Area, to 2 dwelling units per acre or less. Verification comments:</p>	Prior to development approvals	P-D						X
<p>HAZ-3: Re-designate the current area within Fresno Yosemite International Airport Zone 5-Sideline located northeast of the airport to Public Facilities-Airport or Open Space. Verification comments:</p>	Prior to development approvals	P-D						X

A - Incorporated into Project
B - Mitigated

C - Mitigation in Process
D - Responsible Agency Contacted

E - Part of City-Wide Program
F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Hazards and Hazardous Materials (continued):								
<p>HAZ-4: Re-designate the current vacant lots at the northeast corner of Kearney Boulevard and South Thorne Avenue to Public Facilities-Airport or Open Space. Verification comments:</p>	Prior to development approvals	P-D						X
<p>HAZ-5: Prohibit residential uses within Safety Zone 1 northwest of the Hawes Avenue and South Thorne Avenue intersection. Verification comments:</p>	Prior to development approvals	P-D						X
<p>HAZ-6: Establish an alternative Emergency Operations Center in the event the current Emergency Operations Center is under redevelopment or blocked. Verification comments:</p>	Prior to redevelopment of the current Emergency Operations Center	Fresno Fire Department and Mayor/City Manager's Office						X

A - Incorporated into Project
B - Mitigated

C - Mitigation in Process
D - Responsible Agency Contacted

E - Part of City-Wide Program
F - Not Applicable

MITIGATION MEASURE		WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Hydrology and Water Quality									
<p>HYD-1: The City shall develop and implement water conservation measures to reduce the per capita water use to 215 gallons per capita per day.</p> <p>Verification comments:</p>		Prior to water demand exceeding water supply	Department of Public Utilities (DPU)					X	
<p>HYD-2: The City shall continue to be an active participant in the Kings Water Authority and the implementation of the Kings Basin IRWMP.</p> <p>Verification comments:</p>		Ongoing	DPU					X	
<p>HYD-5.1: The City and partnering agencies shall implement the following measures to reduce the impacts on the capacity of existing or planned storm drainage Master Plan collection systems to less than significant.</p> <ul style="list-style-type: none"> Implement the existing Storm Drainage Master Plan (SDMP) for collection systems in drainage areas where the amount of imperviousness is unaffected by the change in land uses. <p><i>(continued on next page)</i></p>		Prior to exceedance of capacity of existing stormwater drainage facilities	Fresno Metropolitan Flood Control District (FMFCD), P-D, and PW				X	X	

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 F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Hydrology and Water Quality (*continued*):

<p>HYD-5.1 (<i>continued from previous page</i>)</p> <ul style="list-style-type: none"> Update the SDMP in those drainage areas where the amount of imperviousness increased due to the change in land uses to determine the changes in the collection systems that would need to occur to provide adequate capacity for the stormwater runoff from the increased imperviousness. Implement the updated SDMP to provide stormwater collection systems that have sufficient capacity to convey the peak runoff rates from the areas of increased imperviousness. <p>Require developments that increase site imperviousness to install, operate, and maintain FMFCD approved on-site detention systems to reduce the peak runoff rates resulting from the increased imperviousness to the peak runoff rates that will not exceed the capacity of the existing stormwater collection systems.</p> <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>					
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A - Incorporated into Project
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C - Mitigation in Process
D - Responsible Agency Contacted

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F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A B C D E F					
			A	B	C	D	E	F

Hydrology and Water Quality (*continued*):

<p>HYD-5.2: The City and partnering agencies shall implement the following measures to reduce the impacts on the capacity of existing or planned storm drainage Master Plan retention basins to less than significant:</p> <p>Consult the SDMP to analyze the impacts to existing and planned retention basins to determine remedial measures required to reduce the impact on retention basin capacity to less than significant. Remedial measures would include:</p> <ul style="list-style-type: none"> • Increase the size of the retention basin through the purchase of more land or deepening the basin or a combination for planned retention basins. • Increase the size of the emergency relief pump capacity required to pump excess runoff volume out of the basin and into adjacent canal that convey the stormwater to a disposal facility for existing retention basins. • Require developments that increase runoff volume to install, operate, and maintain, Low Impact Development (LID) measures to reduce runoff volume to the runoff volume that will not exceed the capacity of the existing retention basins. <p>Verification comments:</p>	<p>Prior to exceedance of capacity of existing retention basin facilities</p>	<p>FMFCD, P-D, and PW</p>	<p></p>	<p></p>	<p></p>	<p>X</p>	<p>X</p>	<p></p>	<p></p>
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A - Incorporated into Project
B - Mitigated

C - Mitigation in Process
D - Responsible Agency Contacted

E - Part of City-Wide Program
F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	COMPLIANCE STATUS					
			A	B	C	D	E	F

Hydrology and Water Quality (*continued*):

<p>HYD-5.3: The City and partnering agencies shall implement the following measures to reduce the impacts on the capacity of existing or planned storm drainage Master Plan urban detention (stormwater quality) basins to less than significant.</p> <p>Consult the SDMP to determine the impacts to the urban detention basin weir overflow rates and determine remedial measures required to reduce the impact on the detention basin capacity to less than significant. Remedial measures would include:</p> <ul style="list-style-type: none"> • Modify overflow weir to maintain the suspended solids removal rates adopted by the FMFCD Board of Directors. • Increase the size of the urban detention basin to increase residence time by purchasing more land. The existing detention basins are already at the adopted design depth. • Require developments that increase runoff volume to install, operate, and maintain, Low Impact Development (LID) measures to reduce peak runoff rates and runoff volume to the runoff rates and volumes that will not exceed the weir overflow rates of the existing urban detention basins. <p>Verification comments:</p>	<p>Prior to exceedance of capacity of existing urban detention basin (stormwater quality) facilities</p>	<p>FMFCD, P-D, and PW</p>				X	X		
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A - Incorporated into Project
 B - Mitigated

C - Mitigation in Process
 D - Responsible Agency Contacted

E - Part of City-Wide Program
 F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	COMPLIANCE STATUS					
			A	B	C	D	E	F

Hydrology and Water Quality (continued):

<p>HYD-5.4: The City shall implement the following measures to reduce the impacts on the capacity of existing or planned storm drainage Master Plan pump disposal systems to less than significant.</p> <ul style="list-style-type: none"> • Consult the SDMP to determine the extent and degree to which the capacity of the existing pump system will be exceeded. • Require new developments to install, operate, and maintain FMFCD design standard on-site detention facilities to reduce peak stormwater runoff rates to existing planned peak runoff rates. • Provide additional pump system capacity to maximum allowed by existing permitting to increase the capacity to match or exceed the peak runoff rates determined by the SDMP. <p>Verification comments:</p>	<p>Prior to exceedance of capacity of existing pump disposal systems</p>	<p>FMFCD, P-D, and PW</p>				<p>X</p>	<p>X</p>
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A - Incorporated into Project
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F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	COMPLIANCE STATUS					
			A	B	C	D	E	F

Hydrology and Water Quality (continued):

<p>• HYD-5.5: The City shall work with FMFCD to develop and adopt an update to the SDMP for the Southeast Development Area that would be adequately designed to collect, convey and dispose of runoff at the rates and volumes which would be generated by the planned land uses in that area.</p> <p>Verification comments:</p>	<p>Prior to development approvals in the Southeast Development Area</p>	<p>FMFCD, P-D, and PW</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
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Public Services:

<p>PS-1: As future fire facilities are planned, the fire department shall evaluate if specific environmental effects would occur. Typical impacts from fire facilities include noise, traffic, and lighting. Typical mitigation to reduce these impacts includes:</p> <ul style="list-style-type: none"> • Noise: Barriers and setbacks on the fire department sites. • Traffic: Traffic devices for circulation and a “keep clear zone” during emergency responses. • Lighting: Provision of hoods and deflectors on lighting fixtures on the fire department sites. <p>Verification comments:</p>	<p>During the planning process for future fire department facilities</p>	<p>P-D</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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A - Incorporated into Project
B - Mitigated

C - Mitigation in Process
D - Responsible Agency Contacted

E - Part of City-Wide Program
F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Public Services (continued):								
<p>PS-2: As future police facilities are planned, the police department shall evaluate if specific environmental effects would occur. Typical impacts from police facilities include noise, traffic, and lighting. Typical mitigation to reduce potential impacts from police department facilities includes:</p> <ul style="list-style-type: none"> • <i>Noise:</i> Barriers and setbacks on the police department sites. • <i>Traffic:</i> Traffic devices for circulation. • <i>Lighting:</i> Provision of hoods and deflectors on lighting fixtures on the police department sites. <p>Verification comments:</p>	<p>During the planning process for future Police Department facilities</p>	<p>P-D</p>					X	
<p>PS-3: As future public and private school facilities are planned, school districts shall evaluate if specific environmental effects would occur with regard to public schools, and P-D shall evaluate other school facilities. Typical impacts from school facilities include noise, traffic, and lighting. Typical mitigation to reduce potential impacts from school facilities includes:</p> <p style="text-align: right;"><i>(continued on next page)</i></p>	<p>During the planning process for future school facilities</p>	<p>P-D, local school districts, and the Division of the State Architect</p>			X	X	X	

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Public Services (continued):								
<p>PS-3 (continued from previous page)</p> <ul style="list-style-type: none"> Noise: Barriers and setbacks placed on school sites. Traffic: Traffic devices for circulation. Lighting: Provision of hoods and deflectors on lighting fixtures for stadium lights. <p>Verification comments:</p>	[see previous page]	[see previous page]						
<p>PS-4: As future parks and recreational facilities are planned, the City shall evaluate if specific environmental effects would occur. Typical impacts from school facilities include noise, traffic, and lighting. Typical mitigation to reduce potential impacts from park and recreational facilities includes:</p> <ul style="list-style-type: none"> Noise: Barriers and setbacks placed on school sites. Traffic: Traffic devices for circulation. Lighting: Provision of hoods and deflectors on lighting fixtures for outdoor play area/field lights. <p>Verification comments:</p>	During the planning process for future park and recreation facilities	P-D					X	

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 F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Public Services (continued):

<p>PS-5: As future detention, court, library, and hospital facilities are planned, the appropriate agencies shall evaluate if specific environmental effects would occur. Typical impacts from court, library, and hospital facilities include noise, traffic, and lighting. Typical mitigation to reduce potential impacts includes:</p> <ul style="list-style-type: none"> • <i>Noise:</i> Barriers and setbacks placed on school sites. • <i>Traffic:</i> Traffic devices for circulation. • <i>Lighting:</i> Provision of hoods and deflectors on outdoor lighting fixtures. <p>Verification comments:</p>	<p>During the planning process for future detention, court, library, and hospital facilities</p>	<p>P-D, to the extent that agencies constructing these facilities are subject to City of Fresno regulation</p>							X
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Utilities and Service Systems

<p>USS-1: The City shall develop and implement a wastewater master plan update.</p> <p>Verification comments:</p>	<p>Prior to wastewater conveyance and treatment demand exceeding capacity</p>	<p>DPU</p>					X		
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A - Incorporated into Project
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F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Utilities and Service Systems <i>(continued)</i> :								
<p>USS-2: Prior to exceeding existing wastewater treatment capacity, the City shall evaluate the wastewater system and shall not approve additional development that contributes wastewater to the wastewater treatment facility that could exceed capacity until additional capacity is provided. By approximately the year 2025, the City shall construct the following improvements:</p> <ul style="list-style-type: none"> Construct an approximately 70 MGD expansion of the Regional Wastewater Treatment and Reclamation Facility and obtain revised waste discharge permits as the generation of wastewater is increased. Construct an approximately 0.49 MGD expansion of the North Facility and obtain revised waste discharge permits as the generation of wastewater is increased. <p>Verification comments:</p>	<p>Prior to exceeding existing wastewater treatment capacity</p>	<p>DPU</p>					X	
<p>USS-3: Prior to exceeding existing wastewater treatment capacity, the City shall evaluate the wastewater system and shall not approve additional development that contributes wastewater to the wastewater treatment facility that could exceed capacity until additional capacity is provided. After <i>(continued on next page)</i></p>	<p>Prior to exceeding existing wastewater treatment capacity</p>	<p>DPU</p>					X	

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A B C D E F					
			A	B	C	D	E	F

Utilities and Service Systems (continued):

<p>USS-3 (continued from previous page) approximately the year 2025, the City shall construct the following improvements:</p> <ul style="list-style-type: none"> Construct an approximately 24 MGD wastewater treatment facility within the Southeast Development Area and obtain revised waste discharge requirements as the generation of wastewater is increased. Construct an approximately 9.6 MGD expansion of the Regional Wastewater Treatment and Reclamation Facility and obtain revised waste discharge permits as the generation of wastewater is increased. <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>							
<p>USS-4: A Traffic Control/Traffic Management Plan to address traffic impacts during construction of water and sewer facilities shall be prepared and implemented, subject to approval by the City (and Fresno County, when work is being done in unincorporated area roadways). The plan shall identify access and parking restrictions, pavement markings and signage, and hours of construction and for deliveries. It shall include haul routes, the notification plan, and coordination with emergency service providers and schools.</p> <p>Verification comments:</p>	<p>Prior to construction of water and sewer facilities</p>	<p>PW for work in the City; PW and Fresno County Public Works and Planning when unincorporated area roadways are involved</p>					X		

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F - Not Applicable

MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	COMPLIANCE STATUS					
			A	B	C	D	E	F

Utilities and Service Systems *(continued)*:

<p>USS-5: Prior to exceeding capacity within the existing wastewater collection system facilities, the City shall evaluate the wastewater collection system and shall not approve additional development that would generate additional wastewater and exceed the capacity of a facility until additional capacity is provided. By approximately the year 2025, the following capacity improvements shall be provided.</p> <ul style="list-style-type: none"> Orange Avenue Trunk Sewer: This facility shall be improved between Dakota and Jensen Avenues. Approximately 37,240 feet of new sewer main shall be installed and approximately 5,760 feet of existing sewer main shall be rehabilitated. The size of the new sewer main shall range from 27 inches to 42 inches in diameter. The associated project designations in the 2006 Wastewater Master Plan are RS03A, RL02, C01-REP, C02-REP, C03-REP, C04-REP, C05-REP, C06-REL and C07-REP. Marks Avenue Trunk Sewer: This facility shall be improved between Clinton Avenue and Kearney Boulevard. Approximately 12,150 feet of new sewer main shall be installed. The size of the new sewer main shall range from 33 inches to 60 inches in diameter. The associated project designations in the 2006 Wastewater Master Plan are CM1-REP and CM2-REP. <p style="text-align: right;"><i>(continued on next page)</i></p>	<p>Prior to exceeding capacity within the existing wastewater collection system facilities</p>	<p>DPU</p>	<table border="1"> <tr> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>																				X
									X														

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Utilities and Service Systems (continued):								
<p>USS-5 (continued from previous page)</p> <ul style="list-style-type: none"> North Avenue Trunk Sewer: This facility shall be improved between Polk and Fruit Avenues and also between Orange and Maple Avenues. Approximately 25,700 feet of new sewer main shall be installed. The size of the new sewer main shall range from 48 inches to 66 inches in diameter. The associated project designations in the 2006 Wastewater Master Plan are CN1-REL1 and CN3-REL1. Ashlan Avenue Trunk Sewer: This facility shall be improved between Hughes and West Avenues and also between Fruit and Blackstone Avenues. Approximately 9,260 feet of new sewer main shall be installed. The size of the new sewer main shall range from 24 inches to 36 inches in diameter. The associated project designations in the 2006 Wastewater Master Plan are CA1-REL and CA2-REP. <p>Verification comments:</p>	[see previous page]	[see previous page]						

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
Utilities and Service Systems <i>(continued)</i> :								
<p>USS-6: Prior to exceeding capacity within the existing 28 pipeline segments shown in Figures 1 and 2 in Appendix J-1, the City shall evaluate the wastewater collection system and shall not approve additional development that would generate additional wastewater and exceed the capacity of one of the 28 pipeline segments until additional capacity is provided.</p> <p>Verification comments:</p>	<p>Prior to exceeding capacity within the existing 28 pipeline segments shown in Figures 1 and 2 in Appendix J-1 of the MEIR</p>	<p>DPU</p>					X	
<p>USS-7: Prior to exceeding existing water supply capacity, the City shall evaluate the water supply system and shall not approve additional development that demand additional water until additional capacity is provided. By approximately the year 2025, the following capacity improvements shall be provided.</p> <ul style="list-style-type: none"> Construct an approximately 80 million gallon per day (MGD) surface water treatment facility near the intersection of Armstrong and Olive Avenues, in accordance with Chapter 9 and Figure 9-1 of the City of Fresno Metropolitan Water Resources Management Plan Update (2014 Metro Plan Update) Phase 2 Report, dated January 2012. <p><i>(continued on next page)</i></p>	<p>Prior to exceeding existing water supply capacity</p>	<p>DPU</p>					X	

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A B C D E F					
			A	B	C	D	E	F

Utilities and Service Systems (continued):

<p>USS-7 (continued from previous page)</p> <ul style="list-style-type: none"> Construct an approximately 30 MGD expansion of the existing northeast surface water treatment facility for a total capacity of 60 MGD, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. Construct an approximately 20 MGD surface water treatment facility in the southwest portion of the City, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>							
<p>USS-8: Prior to exceeding capacity within the existing water conveyance facilities, the City shall evaluate the water conveyance system and shall not approve additional development that would demand additional water and exceed the capacity of a facility until additional capacity is provided. The following capacity improvements shall be provided by approximately 2025.</p> <ul style="list-style-type: none"> Construct 65 new groundwater wells, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. <p>(continued on next page)</p>	<p>Prior to exceeding capacity within the existing water conveyance facilities</p>	<p>DPU</p>					X		

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Utilities and Service Systems *(continued)*:

<p>USS-8 <i>(continued from previous page)</i></p> <ul style="list-style-type: none"> Construct a 2.0 million gallon potable water reservoir (Reservoir T2) near the intersection of Clovis and California Avenues, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. Construct a 3.0 million gallon potable water reservoir (Reservoir T3) near the intersection of Temperance and Dakota Avenues, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. Construct a 3.0 million gallon potable water reservoir (Reservoir T4) in the Downtown Planning Area, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. Construct a 4.0 million gallon potable water reservoir (Reservoir T5) near the intersection of Ashlan and Chestnut Avenues, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. Construct a 4.0 million gallon potable water reservoir (Reservoir T6) near the intersection of Ashlan Avenue and Highway 99, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. <p><i>(continued on next page)</i></p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Utilities and Service Systems *(continued)*:

<p>USS-8 <i>(continued from previous two pages)</i></p> <ul style="list-style-type: none"> Construct 50.3 miles of regional water transmission mains ranging in size from 24-inch to 48-inch diameter, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. Construct 95.9 miles of 16-inch diameter transmission grid mains, in accordance with Chapter 9 and Figure 9-1 of the 2014 Metro Plan Update. <p>Verification comments:</p>	<p>[see Page 37]</p>	<p>[see Page 37]</p>							
<p>USS-9: Prior to exceeding capacity within the existing water conveyance facilities, the City shall evaluate the water conveyance system and shall not approve additional development that would demand additional water and exceed the capacity of a facility until additional capacity is provided. The following capacity improvements shall be provided after approximately the year 2025 and additional water conveyance facilities shall be provided prior to exceedance of capacity within the water conveyance facilities to accommodate full buildout of the General Plan Update.</p> <p><i>(continued on next page)</i></p>	<p>Prior to exceeding capacity within the existing water conveyance facilities</p>	<p>DPU</p>				<p>X</p>			

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Utilities and Service Systems (continued):

<p>USS-9 (continued from previous page)</p> <ul style="list-style-type: none"> Construct a 4.0 million gallon potable water reservoir (SEDA Reservoir 1) within the northern part of the Southeast Development Area. Construct a 4.0 million gallon potable water reservoir (SEDA Reservoir 2) within the southern part of the Southeast Development Area. <p>Additional water conveyance facilities shall be provided prior to exceedance of capacity within the water conveyance facilities to accommodate full buildout of the General Plan Update.</p> <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>						
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Utilities and Service Systems - Hydrology and Water Quality

<p>USS-10: In order to maintain Fresno Irrigation District canal operability, FMFCD shall maintain operational intermittent flows during the dry season, within defined channel capacity and downstream capture capabilities, for recharge.</p> <p>Verification comments:</p>	<p>During the dry season</p>	<p>Fresno Irrigation District (FID)</p>					<p>X</p>		
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Utilities and Service Systems - Biological Resources:

<p>USS-11: When FMFCD proposes to provide drainage service outside of urbanized areas:</p> <p>(a) FMFCD shall conduct preliminary investigations on undeveloped lands outside of highly urbanized areas. These investigations shall examine wetland hydrology, vegetation and soil types. These preliminary investigations shall be the basis for making a determination on whether or not more in-depth wetland studies shall be necessary. If the proposed project site does not exhibit wetland hydrology, support a prevalence of wetland vegetation and wetland soil types then no further action is required.</p>	<p>Prior to development approvals outside of highly urbanized areas</p>	<p>California Regional Water Quality Control Board (RWQCB), and USACE</p>																	
<p>(b) Where proposed activities could have an impact on areas verified by the Corps as jurisdictional wetlands or waters of the U.S. (urban and rural streams, seasonal wetlands, and vernal pools), FMFCD shall obtain the necessary Clean Water Act, Section 404 permits for activities where fill material shall be placed in a wetland, obstruct the flow or circulation of waters of the United States, impair or reduce the reach of such waters. As part of FMFCD's Memorandum of Understanding with CDFG, Section 404 and 401 permits would be obtained from the U.S. Army Corps of Engineers and from the</p> <p><i>(continued on next page)</i></p>																			

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Utilities and Service Systems - Biological Resources (continued):

<p>USS-11 <i>(continued from previous page)</i></p> <p>Regional Water Quality Control Board for any activity involving filling of jurisdictional waters). At a minimum, to meet “no net loss policy,” the permits shall require replacement of wetland habitat at a 1:1 ratio.</p> <p>(c) Where proposed activities could have an impact on areas verified by the Corps as jurisdictional wetlands or waters of the U.S. (urban and rural streams, seasonal wetlands, and vernal pools), FMFCD shall submit and implement a wetland mitigation plan based on the wetland acreage verified by the U.S. Army Corps of Engineers. The wetland mitigation plan shall be prepared by a qualified biologist or wetland scientist experienced in wetland creation, and shall include the following or equally effective elements:</p> <ul style="list-style-type: none"> i. Specific location, size, and existing hydrology and soils within the wetland creation area. ii. Wetland mitigation techniques, seed source, planting specifications, and required buffer setbacks. In addition, the mitigation plan shall ensure adequate water supply is provided to the created wetlands in order to maintain the proper <p style="text-align: right;"><i>(continued on next page)</i></p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Utilities and Service Systems - Biological Resources (continued):

<p>USS-11 <i>(continued from previous two pages)</i></p> <p>hydrologic regimes required by the different types of wetlands created. Provisions to ensure the wetland water supply is maintained in perpetuity shall be included in the plan.</p> <p>iii. A monitoring program for restored, enhanced, created, and preserved wetlands on the project site. A monitoring program is required to meet three objectives; 1) establish a wetland creation success criteria to be met; 2) to specify monitoring methodology; 3) to identify as far as is possible, specific remedial actions that will be required in order to achieve the success criteria; and 4) to document the degree of success achieved in establishing wetland vegetation.</p> <p>(d) A monitoring plan shall be developed and implemented by a qualified biologist to monitor results of any on-site wetland restoration and creation for five years. The monitoring plan shall include specific success criteria, frequency and timing of monitoring, and assessment of whether or not maintenance activities are being carried out and how these shall be adjusted if necessary.</p> <p style="text-align: right;"><i>(continued on next page)</i></p>	<p>[see Page 41]</p>	<p>[see Page 41]</p>						
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A B C D E F					
			A	B	C	D	E	F

Utilities and Service Systems - Biological Resources (continued):

<p>USS-11 (continued from previous three pages)</p> <p>If monitoring reveals that success criteria are not being met, remedial habitat creation or restoration should be designed and implemented by a qualified biologist and subject to five years of monitoring as described above.</p> <p>Or</p> <p>(e) In lieu of developing a mitigation plan that outlines the avoidance, purchase, or creation of wetlands, FMFCD could purchase mitigation credits through a Corps approved Mitigation Bank.</p> <p>Verification comments:</p>	<p>[see Page 41]</p>	<p>[see Page 41]</p>							
<p>USS-12: When FMFCD proposes to provide drainage service outside in areas that support seasonal wetlands or vernal pools:</p> <p>(a) During facility design and prior to initiation of ground disturbing activities in areas that support seasonal wetlands or vernal pools, FMFCD shall conduct a preliminary rare plant assessment. The assessment will determine the likelihood on whether or not the project site could support rare plants. If it is determined that the project site would not support rare plants, then no further (continued on next page)</p>	<p>During facility design and prior to initiation of ground disturbing activities in areas that support seasonal wetlands or vernal pools</p>	<p>California Department of Fish & Wildlife (CDFW) and U.S. Fish and Wildlife Service (USFWS)</p>							<p>X</p>

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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A	B	C	D	E	F
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Utilities and Service Systems - Biological Resources (continued):

<p>USS-12 <i>(continued from previous page)</i></p> <p>action is required. However, if the project site has the potential to support rare plants; then a rare plant survey shall be conducted. Rare plant surveys shall be conducted by qualified biologists in accordance with the most current CDFG/USFWS guidelines or protocols and shall be conducted at the time of year when the plants in question are identifiable.</p> <p>(b) Based on the results of the survey, prior to design approval, FMFCD shall coordinate with CDFG and/or implement a Section 7 consultation with USFWS, shall determine whether the project facility would result in a significant impact to any special status plant species. Evaluation of project impacts shall consider the following:</p> <ul style="list-style-type: none"> • The status of the species in question (e.g., officially listed by the State or Federal Endangered Species Acts). • The relative density and distribution of the on-site occurrence versus typical occurrences of the species in question. <p><i>(continued on next page)</i></p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Utilities and Service Systems - Biological Resources (continued):

<p>USS-12 (continued from previous two pages)</p> <ul style="list-style-type: none"> The habitat quality of the on-site occurrence relative to historic, current or potential distribution of the population. Prior to design approval, and in consultation with the CDFG and/or the USFWS, FMFCD shall prepare and implement a mitigation plan, in accordance with any applicable State and/or federal statutes or laws, that reduces impacts to a less than significant level. <p>Verification comments:</p>	<p>[see Page 44]</p>	<p>[see Page 44]</p>							
<p>USS-13: When FMFCD proposes to provide drainage service outside in areas that support seasonal wetlands or vernal pools:</p> <p>(a) During facility design and prior to initiation of ground disturbing activities in areas that support seasonal wetlands or vernal pools, FMFCD shall conduct a preliminary survey to determine the presence of listed vernal pool crustaceans.</p> <p>(continued on next page)</p>	<p>During facility design and prior to initiation of ground disturbing activities in areas that support seasonal wetlands or vernal pools</p>	<p>CDFW and USFWS</p>							<p>X</p>

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Utilities and Service Systems - Biological Resources (continued):

<p>USS-13 (continued from previous page)</p> <p>(b) If potential habitat (vernal pools, seasonally inundated areas) or fairy shrimp exist within areas proposed to be disturbed, FMFCD shall complete the first and second phase of fairy shrimp presence or absence surveys. If an absence finding is determined and accepted by the USFWS, then no further mitigation shall be required for fairy shrimp.</p> <p>(c) If fairy shrimp are found to be present within vernal pools or other areas of inundation to be impacted by the implementation of storm drainage facilities, FMFCD shall mitigate impacts on fairy shrimp habitat in accordance with the USFWS requirements of the Programmatic Biological Opinion. This shall include on-site or off-site creation and/or preservation of fairy shrimp habitat at ratios ranging from 3:1 to 5:1 depending on the habitat impacted and the choice of on-site or off-site mitigation. Or mitigation shall be the purchase of mitigation credit through an accredited mitigation bank.</p> <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>						
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	COMPLIANCE STATUS					
			A	B	C	D	E	F

Utilities and Service Systems - Biological Resources (continued):

<p>USS-14: When FMFCD proposes to construct drainage facilities in an area where elderberry bushes may occur:</p> <p>(a) During facility design and prior to initiation of construction activities, FMFCD shall conduct a project-specific survey for all potential Valley Elderberry Longhorn Beetle (VELB) habitats (elderberry shrubs), including a stem count and an assessment of historic or current VELB habitat.</p> <p>(b) FMFCD shall avoid and protect all potential identified VELB habitat where feasible.</p> <p>(c) Where avoidance is infeasible, develop and implement a VELB mitigation plan in accordance with the most current USFWS mitigation guidelines for unavoidable take of VELB habitat pursuant to either Section 7 or Section 10(a) of the Federal Endangered Species Act. The mitigation plan shall include, but might not be limited to, relocation of elderberry shrubs, planting of elderberry shrubs, and monitoring of relocated and planted elderberry shrubs.</p> <p>Verification comments:</p>	<p>During facility design and prior to initiation of construction activities</p>	<p>CDFW and USFWS</p>								<p>X</p>
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Utilities and Service Systems - Biological Resources (continued):

<p>USS-16 <i>(continued from previous page)</i></p> <p>(b) During the construction stage, FMFCD shall avoid all burrowing owl nest sites potentially disturbed by project construction during the breeding season while the nest is occupied with adults and/or young. The occupied nest site shall be monitored by a qualified biologist to determine when the nest is no longer used. Avoidance shall include the establishment of a 160-foot diameter non-disturbance buffer zone around the nest site. Disturbance of any nest sites shall only occur outside of the breeding season and when the nests are unoccupied based on monitoring by a qualified biologist. The buffer zone shall be delineated by highly visible temporary construction fencing.</p> <p>Based on approval by CDFG, pre-construction and pre-breeding season exclusion measures may be implemented to preclude burrowing owl occupation of the project site prior to project-related disturbance. Burrowing owls can be passively excluded from potential nest sites in the construction area, either by closing the burrows or placing one-way doors in the burrows according to current CDFG protocol. Burrows shall be examined not more than 30 days before construction to ensure that no owls have recolonized the area of construction.</p> <p><i>(continued on next page)</i></p>	<p><i>[see previous page]</i></p>	<p><i>[see previous page]</i></p>						
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Utilities and Service Systems - Biological Resources (continued):

<p>USS-16 (continued from previous two pages)</p> <p>For each burrow destroyed, a new burrow shall be created (by installing artificial burrows at a ratio of 2:1 on protected lands nearby.</p> <p>Verification comments:</p>	<p>[see Page 49]</p>	<p>[see Page 49]</p>						
<p>USS-17: When FMFCD proposes to construct drainage facilities in the San Joaquin River corridor:</p> <p>(a) FMFCD shall not conduct instream activities in the San Joaquin River between October 15 and April 15. If this is not feasible, FMFCD shall consult with the National Marine Fisheries Service and CDFW on the appropriate measures to be implemented in order to protect listed salmonids in the San Joaquin River.</p> <p>(b) Riparian vegetation shading the main-channel that is removed or damaged shall be replaced at a ratio and quantity sufficient to maintain the existing shading of the channel. The location of replacement trees on or within</p> <p>(continued on next page)</p>	<p>During instream activities conducted between October 15 and April 15</p>	<p>National Marine Fisheries Service (NMFS), CDFW, and Central Valley Flood Protection Board (CVFPB)</p>					X	

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Utilities and Service Systems / Biological Resources (continued):

<p>USS-17 (continued from previous page) FMFCD berms, detention ponds or river channels shall be approved by FMFCD and the Central Valley Flood Protection Board. Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>						
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Utilities and Service Systems – Recreation / Trails:

<p>USS-18: When FMFCD updates its District Service Plan: Prior to final design approval of all elements of the District Services Plan, FMFCD shall consult with Fresno County, City of Fresno, and City of Clovis to determine if any element would temporarily disrupt or permanently displace existing or planned trails and associated recreational facilities as a result of the proposed District Services Plan. If the proposed project would not temporarily disrupt or permanently displace existing or planned trails, no further mitigation is necessary. If the proposed project would have an effect on the trails and associated facilities, FMFCD shall implement the following: (continued on next page)</p>	<p>Prior to final design approval of all elements of the District Services Plan</p>	<p>P-D, PW, City of Clovis, and County of Fresno</p>			X				
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY						
			A	B	C	D	E	F

Utilities and Service Systems – Recreation / Trails (continued):

<p>USS-18 (continued from previous page)</p> <p>(a) If short-term disruption of adopted existing or planned trails and associated recreational facilities occur, FMFCD shall consult and coordinate with Fresno County, City of Fresno, and City of Clovis to temporarily re-route the trails and associated facilities.</p> <p>(b) If permanent displacement of the adopted existing or planned trails and associated recreational facilities occur, the appropriate design modifications to prevent permanent displacement shall be implemented in the final project design or FMFCD shall replace these facilities.</p> <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>						
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Utilities and Service Systems – Air Quality:

<p>USS-19: When District drainage facilities are constructed, FMFCD shall:</p> <p>(a) Minimize idling time of construction equipment vehicles to no more than ten minutes, or require that engines be shut off when not in use.</p> <p>(continued on next page)</p>	<p>During storm water drainage facility construction activities</p>	<p>Fresno Metropolitan Flood Control District and SJVAPCD</p>			<p>X</p>			
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			A	B	C	D	E	F

Utilities and Service Systems – Air Quality (continued):

<p>USS-19 (continued from previous page)</p> <p>(b) Construction shall be curtailed as much as possible when the Air Quality Index (AQI) is above 150. AQI forecasts can be found on the SJVAPCD web site.</p> <p>(c) Off-road trucks should be equipped with on-road engines if possible.</p> <p>(d) Construction equipment should have engines that meet the current off-road engine emission standard (as certified by CARB), or be re-powered with an engine that meets this standard.</p> <p>Verification comments:</p>	<p>[see previous page]</p>	<p>[see previous page]</p>						
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Utilities and Service Systems – Adequacy of Storm Water Drainage Facilities:

<p>USS-20: Prior to exceeding capacity within the existing storm water drainage facilities, the City shall coordinate with FMFCD to evaluate the storm water drainage system and shall not approve additional development that would convey additional storm water to a facility that would experience an exceedance of capacity until the necessary additional capacity is provided.</p> <p>Verification comments:</p>	<p>Prior to exceeding capacity within the existing storm water drainage facilities</p>	<p>FMFCD, PW, and P-D</p>			<p>X</p>	<p>X</p>	<p>X</p>		
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MITIGATION MEASURE	WHEN IMPLEMENTED	COMPLIANCE VERIFIED BY	A B C D E F					
			A	B	C	D	E	F

Utilities and Service Systems – Adequacy of Water Supply Capacity:

<p>USS-21: Prior to exceeding existing water supply capacity, the City shall evaluate the water supply system and shall not approve additional development that demand additional water until additional capacity is provided. By approximately the year 2025, the City shall construct an approximately 25,000 AF/year tertiary recycled water expansion to the Fresno-Clovis Regional Wastewater Reclamation Facility in accordance with the 2013 Recycled Water Master Plan and the 2014 City of Fresno Metropolitan Water Resources Management Plan update.</p> <p>Implementation of Mitigation Measure USS-5 is also required prior to approximately the year 2025.</p> <p>Verification comments:</p>	<p>Prior to exceeding existing water supply capacity</p>	<p>DPU and P-D</p>				X	X	
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Utilities and Service Systems – Adequacy of Landfill Capacity:

<p>USS-22: Prior to exceeding landfill capacity, the City shall evaluate additional landfill locations and shall not approve additional development that could contribute solid waste to a landfill that is at capacity until additional capacity is provided.</p> <p>Verification comments:</p>	<p>Prior to exceeding landfill capacity</p>	<p>DPU and P-D</p>				X	
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