

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Pipeline Replacement Project - 2018

Lead Agency: Lindsay-Strathmore Irrigation District Contact Person: James H. Wegley
 Mailing Address: P.O. Box 846 Phone: 559/732-7938
 City: Lindsay Zip: 93247-0846 County: Tulare

Project Location: County: Tulare City/Nearest Community: Lindsay

Cross Streets: Several; see Location map with Mitigated Negative Declaration Zip Code: 93247

Longitude/Latitude (degrees, minutes and seconds): 36 ° 10 ' 54 " N / 119 ° 03 ' 50 " W Total Acres: 7 +/-

Assessor's Parcel No.: Not applicable Section: Multiple Twp.: 19.20 Range: 26.27 Base: MD

Within 2 Miles: State Hwy #: 65 Waterways: Lewis Creek

Airports: Eckert Field (private) Railways: San Joaquin Valley Railroad Schools: Lindsay USD, Porterville USD, Strathmore Union ESD

Document Type:

- | | | | |
|---|--|------------------------------------|--|
| CEQA: <input type="checkbox"/> NOP | <input type="checkbox"/> Draft EIR | NEPA: <input type="checkbox"/> NOI | Other: <input type="checkbox"/> Joint Document |
| <input type="checkbox"/> Early Cons | <input type="checkbox"/> Supplement/Subsequent EIR | <input type="checkbox"/> EA | <input type="checkbox"/> Final Document |
| <input type="checkbox"/> Neg Dec | (Prior SCH No.) _____ | <input type="checkbox"/> Draft EIS | <input type="checkbox"/> Other: _____ |
| <input checked="" type="checkbox"/> Mit Neg Dec | Other: _____ | <input type="checkbox"/> FONSI | |

Local Action Type:

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> General Plan Update | <input type="checkbox"/> Specific Plan | <input type="checkbox"/> Rezone | <input type="checkbox"/> Annexation |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Master Plan | <input type="checkbox"/> Prezone | <input type="checkbox"/> Redevelopment |
| <input type="checkbox"/> General Plan Element | <input type="checkbox"/> Planned Unit Development | <input type="checkbox"/> Use Permit | <input type="checkbox"/> Coastal Permit |
| <input type="checkbox"/> Community Plan | <input type="checkbox"/> Site Plan | <input type="checkbox"/> Land Division (Subdivision, etc.) | <input type="checkbox"/> Other: _____ |

Development Type:

- | | |
|---|---|
| <input type="checkbox"/> Residential: Units _____ Acres _____ | <input type="checkbox"/> Transportation: Type _____ |
| <input type="checkbox"/> Office: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Mining: Mineral _____ |
| <input type="checkbox"/> Commercial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Power: Type _____ MW _____ |
| <input type="checkbox"/> Industrial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Waste Treatment: Type _____ MGD _____ |
| <input type="checkbox"/> Educational: _____ | <input type="checkbox"/> Hazardous Waste: Type _____ |
| <input type="checkbox"/> Recreational: _____ | <input checked="" type="checkbox"/> Other: <u>pipelines (30,600 L.F.)</u> |
| <input type="checkbox"/> Water Facilities: Type _____ MGD _____ | |

Project Issues Discussed in Document:

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Aesthetic/Visual | <input type="checkbox"/> Fiscal | <input type="checkbox"/> Recreation/Parks | <input type="checkbox"/> Vegetation |
| <input type="checkbox"/> Agricultural Land | <input type="checkbox"/> Flood Plain/Flooding | <input type="checkbox"/> Schools/Universities | <input type="checkbox"/> Water Quality |
| <input type="checkbox"/> Air Quality | <input type="checkbox"/> Forest Land/Fire Hazard | <input type="checkbox"/> Septic Systems | <input type="checkbox"/> Water Supply/Groundwater |
| <input type="checkbox"/> Archeological/Historical | <input type="checkbox"/> Geologic/Seismic | <input type="checkbox"/> Sewer Capacity | <input type="checkbox"/> Wetland/Riparian |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Minerals | <input type="checkbox"/> Soil Erosion/Compaction/Grading | <input type="checkbox"/> Growth Inducement |
| <input type="checkbox"/> Coastal Zone | <input type="checkbox"/> Noise | <input type="checkbox"/> Solid Waste | <input type="checkbox"/> Land Use |
| <input type="checkbox"/> Drainage/Absorption | <input type="checkbox"/> Population/Housing Balance | <input type="checkbox"/> Toxic/Hazardous | <input type="checkbox"/> Cumulative Effects |
| <input type="checkbox"/> Economic/Jobs | <input type="checkbox"/> Public Services/Facilities | <input type="checkbox"/> Traffic/Circulation | <input type="checkbox"/> Other: _____ |

Present Land Use/Zoning/General Plan Designation:

Varies. Mostly agricultural and rural residential land uses, with some light manufacturing.

Project Description: (please use a separate page if necessary)

See Mitigated Negative Declaration.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

<input type="checkbox"/> Air Resources Board	<input type="checkbox"/> Office of Historic Preservation
<input type="checkbox"/> Boating & Waterways, Department of	<input type="checkbox"/> Office of Public School Construction
<input type="checkbox"/> California Emergency Management Agency	<input type="checkbox"/> Parks & Recreation, Department of
<input type="checkbox"/> California Highway Patrol	<input type="checkbox"/> Pesticide Regulation, Department of
<input type="checkbox"/> Caltrans District # _____	<input type="checkbox"/> Public Utilities Commission
<input type="checkbox"/> Caltrans Division of Aeronautics	<input checked="" type="checkbox"/> Regional WQCB # <u>5F</u>
<input type="checkbox"/> Caltrans Planning	<input type="checkbox"/> Resources Agency
<input checked="" type="checkbox"/> Central Valley Flood Protection Board	<input type="checkbox"/> Resources Recycling and Recovery, Department of
<input type="checkbox"/> Coachella Valley Mtns. Conservancy	<input type="checkbox"/> S.F. Bay Conservation & Development Comm.
<input type="checkbox"/> Coastal Commission	<input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
<input type="checkbox"/> Colorado River Board	<input type="checkbox"/> San Joaquin River Conservancy
<input type="checkbox"/> Conservation, Department of	<input type="checkbox"/> Santa Monica Mtns. Conservancy
<input type="checkbox"/> Corrections, Department of	<input type="checkbox"/> State Lands Commission
<input type="checkbox"/> Delta Protection Commission	<input type="checkbox"/> SWRCB: Clean Water Grants
<input type="checkbox"/> Education, Department of	<input checked="" type="checkbox"/> SWRCB: Water Quality
<input type="checkbox"/> Energy Commission	<input type="checkbox"/> SWRCB: Water Rights
<input checked="" type="checkbox"/> Fish & Game Region # <u>4 (CENTRAL)</u>	<input type="checkbox"/> Tahoe Regional Planning Agency
<input type="checkbox"/> Food & Agriculture, Department of	<input type="checkbox"/> Toxic Substances Control, Department of
<input type="checkbox"/> Forestry and Fire Protection, Department of	<input checked="" type="checkbox"/> Water Resources, Department of
<input type="checkbox"/> General Services, Department of	<input type="checkbox"/> Other: <u>Tulare Co. Resource Management Agency</u>
<input type="checkbox"/> Health Services, Department of	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Housing & Community Development	
<input type="checkbox"/> Native American Heritage Commission	

Local Public Review Period (to be filled in by lead agency)

Starting Date July 9, 2019 Ending Date August 13, 2019

Lead Agency (Complete if applicable):

Consulting Firm: <u>Keller/Wegley Consulting Engineers</u>	Applicant: <u>Lindsay-Strathmore Irrigation District</u>
Address: <u>209 S. Locust St.</u>	Address: <u>P.O. Box 846</u>
City/State/Zip: _____	City/State/Zip: <u>Lindsay, CA 93247</u>
Contact: <u>James H. Wegley</u>	Phone: <u>559/562-2581</u>
Phone: <u>559/732-7938</u>	

Signature of Lead Agency Representative:  Date: 7/9/19

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Summary Form for Electronic Document Submittal

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: Pipeline Replacement Project - 2018

Lead Agency: Lindsay Strathmore Irrigation District

Contact Name: James H. Wegley

Email: Kelweg1@aol.com Phone Number: 559-732-7938

Project Location: Community of Lindsay, Unincorporated Community of Strathmore Tulare
City County

Project Description (Proposed actions, location, and/or consequences).

The Project consists of the installation of approximately 30,500 linear feet of 8-inch to 20-inch diameter water pipelines to replace old and leaking pipelines at seventeen (17) locations throughout the District including crossings of the Friant Kern Canal and Lewis Creek. The District is continuously repairing the leaking pipelines that are installed in and/or adjacent to County roads. All of the proposed Project features (pipelines, valves, and connections) will be located underground or will utilize existing bridge crossings. The Project also includes reconeciton of existing fire hydrants.

The pipeline will be located in the public right-of-way. The proposed alignments will cross the Friant Kern Canal, Lewis Creek and the San Joaquin Valley Railroad at a few locations.

Construction activities include excavation, pipe installation, backfill and surface restoration. Pipelines will cross the San Joaquin Valley Railroad by boring and Lewis Creek by trenching. The bore pits will be excavated, the bore will be accomplished, the pit will be backfilled and the surface restored. The footprint of the bore and jacking pit is estimated to be less than 20 feet wide and 40 feet long. The receiving pit will be of smaller dimensions. Pipeline crossings at the Friant Kern Canal will utilize existing or new pipeline crossing support systems attached to existing bridges.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

The Project will assist in the District's effort to efficiently deliver water to its customers. The Project will result in no adverse long term environmental impacts. Short-term construction related potential impacts will be mitigated to a less than significant level by use of construction specifications requiring proper and defined mitigation measures.

A biological reconnaissance filed survey was conducted in December, 2018 and January, 2019. In general, the biological evaluation determined that project impacts will be less than significant on the biological resources within the Project Area. The Report established mitigation measures associated with the San Joaquin Kit Fox, Swainson's Hawk, Loggerhead Shrike and other nesting raptors and migratory birds. Mitigation measures consist of avoidance, if possible, preconstruction surveys, construction buffers, monitoring and reporting and education efforts during construction. Biological oversight during construction is incorporated for the potential occurrence of these species on the Project site and the response to such occupancy.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

None.

Provide a list of the responsible or trustee agencies for the project.

State Water Resources Control Board
Central Valley Regional Water Quality Control Board
Tulare County Resources Management Agency
California Department of Fish and Wildlife
United States Bureau of Reclamation
San Joaquin Valley Air Pollution Control District

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

The Board of Directors of the Lindsay-Strathmore Irrigation District hereby gives notice, pursuant to California Public Resources Code section 21092, that it intends to adopt a Mitigated Negative Declaration with respect to a proposed project.

Project Title	Pipeline Replacement Project – 2018
Project Description	The Project consists of the installation of approximately <u>30,500</u> linear feet of 8-inch to 20-inch diameter water pipelines to replace old and leaking pipelines at seventeen (17) locations throughout the District including crossings of the Friant Kern Canal and Lewis Creek
Project Location	Seventeen (17) locations within portions of T19S R26E, T19S R27E and T20S R27E, Mount Diablo Base and Meridian as shown on attached map.
Determination of Impacts	The project is not anticipated to have any long-term negative environmental impacts. Short-term construction related potential impacts will be mitigated to a less than significant level by use of construction specifications requiring proper and defined mitigation measures.

The Initial Study of the environmental impact for the proposed project indicates that the proposed project will have no significant effect on the environment.

The public review of this matter shall be deemed to have begun July 9, 2019. The last day for the public review period shall be deemed to be August 13, 2019. During the public review period, copies of the proposed Mitigated Negative Declaration may be obtained at the office of the Lindsay-Strathmore Irrigation District. The District will receive written comments on the proposed Mitigated Negative Declaration during the public review period. Comments should be sent to the address indicated on this notice and to the attention of Craig Wallace, General Manager.

A public hearing on the adoption of the proposed Mitigated Negative Declaration will occur during the Board of Directors meeting of the Lindsay-Strathmore Irrigation District, scheduled to commence at 2:00p.m. on Tuesday, August 13, 2019, at its office located at the noted address.

Dated: July 9, 2019

LINDSAY-STRATHMORE IRRIGATION
DISTRICT

By 
Craig Wallace, General Manager

Post Office Box 846, Lindsay, CA 93247
23260 Round Valley Drive, Lindsay, CA 93247

Telephone (559) 562-2581
Fax (559) 562-3882

DRAFT
MITIGATED NEGATIVE DECLARATION
OF
BOARD OF DIRECTORS
OF THE
LINDSAY-STRATHMORE IRRIGATION DISTRICT

COUNTY CLERK
COUNTY OF TULARE

The project hereafter described will, in our evaluation, have no significant effect on the environment and does not, therefore, require the filing of an Environmental Impact Report.

Board of Directors
Lindsay-Strathmore Irrigation District

By: _____
Craig Wallace, General Manager

Dated: _____

Project Location:

See Figure 1, attached.

Brief description of project:

Pipeline Replacement Project – 2018 (Project)

The Project consists of the installation of approximately 30,500 linear feet of 8-inch diameter to 20-inch diameter water pipelines to replace old and leaking pipelines at seventeen (17) locations throughout the District including crossings of the Friant Kern Canal and Lewis Creek.

Reason(s) for mitigated negative declaration finding:

The Project will result in no adverse long-term environmental impacts. Short-term construction related potential impacts will be mitigated to a less than significant level by use of construction specifications requiring defined mitigation measures.

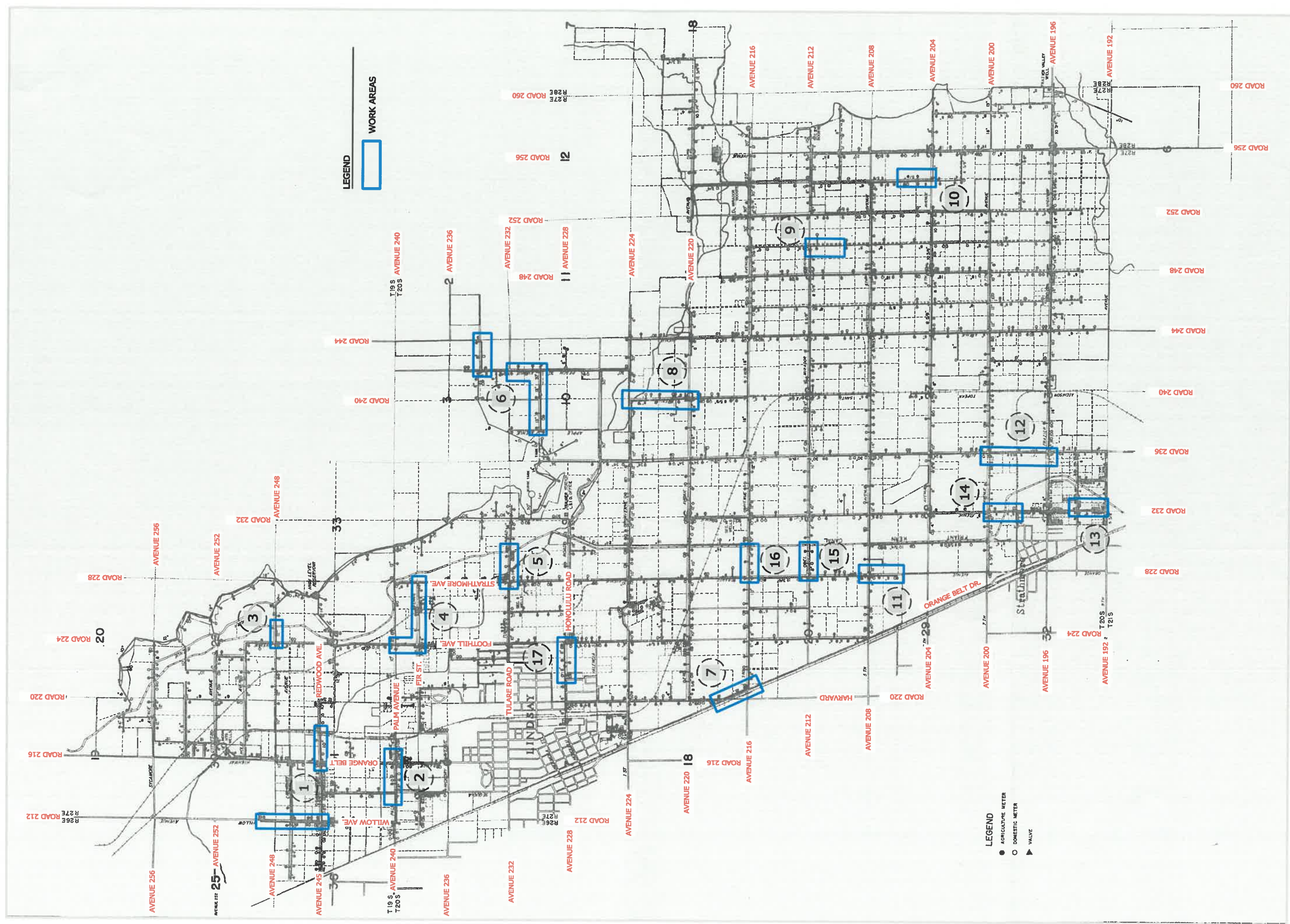
Initial study prepared by:

James H. Wegley, Consulting Civil Engineer for
Lindsay-Strathmore Irrigation District

Initial study available at:

Lindsay-Strathmore Irrigation District
23260 Round Valley Drive
Lindsay, CA 93247

FIGURE 1



PIPELINE REPLACEMENT PROJECT -2018
LINDSAY-STRAITHMORE IRRIGATION DISTRICT

LINDSAY-STRATHMORE IRRIGATION DISTRICT

INITIAL STUDY CHECKLIST

- 1. **Project title:** Pipeline Replacement Project – 2018
Lindsay-Strathmore Irrigation District
- 2. **Lead agency:** Lindsay-Strathmore Irrigation District
23260 Round Valley Road
Lindsay, CA 93247
- 3. **Contact person:** James H. Wegley
Keller/Wegley Consulting Civil Engineers
(559) 732-7938
- 4. **Project location:** Seventeen (17) locations within portions of T19S, R26E
and T20S R27E, Mount Diablo Base and Meridian as
shown on the attached map.
- 5. **Latitude, Longitude:** Varies; 36° 10' 54" N, 119° 03' 50" W
- 6. **General plan designation:** N/A
- 7. **Zoning:** Varies from rural residential to light manufacturing.
Project area included residential and agricultural land uses.

8. Description of project: The Lindsay-Strathmore Irrigation District (District) provides water for domestic and/or agricultural irrigation purposes. The District utilizes imported surface water as their primary water supply. The District has a contract for Class 1 water from the Central Valley Project. The water is delivered via the Friant-Kern Canal. See Figure 1 showing District’s Service area.

The District’s primary purpose is serving irrigation water to the landowners within the District.

The Project consists of replacing existing old water pipelines. The District is continuously repairing the leaking pipelines that are installed in and/or adjacent to County roads. All of the proposed Project features (pipelines, valves, and connections) will be located underground or will utilize existing bridge crossings.

The pipeline will be located in the public right-of-way. See Figure 1 for the location of the pipelines. The proposed alignments will cross the Friant Kern Canal, Lewis Creek and the San Joaquin Valley Railroad.

The total length of pipeline to be installed is about 30,500 lineal feet. Construction activities include excavation, pipe installation, backfill and surface restoration. Pipelines will cross the San Joaquin Valley Railroad by boring and Lewis Creek by trenching. The bore pits will be excavated, the bore will be accomplished, the pit will be backfilled and the surface restored. The footprint of the bore and jacking pit is estimated to be less than 20 feet wide and 40 feet long. The receiving pit will be of smaller dimensions. Pipeline crossings at the Friant Kern Canal will utilize existing or new pipeline crossing support systems attached to existing bridges.

9. Surrounding Land Uses and Setting: The Project is located on the valley floor and the natural terrain is typically flat and sloping to the northwest. The terrain becomes more rolling until reaching the lower foothills along the east side of the valley. The area surrounding the project is extensively farmed, being principally planted to permanent crops. The major planting is citrus. The City of Lindsay is the major population center for the area. The climate for this portion of Tulare County is typical of the semi-arid San Joaquin Valley and is

LINDSAY-STRATHMORE IRRIGATION DISTRICT

characterized by mild winters and dry, hot summers. The daytime summer temperatures frequently exceed 100°F, while winter temperatures can drop to 34°F. The average minimum and maximum temperatures are approximately 47°F and 78°F. The average annual rainfall for the area is approximately 12.6 inches. The majority of the rainfall occurs during the November through April period, with the summer months being warm and dry. The valley generally consists of older deep alluvium material that originated in the Sierra Nevada Mountain Range to the east. These materials, coupled with the distance from measured earthquake faults, have made the area relatively stable from a seismic standpoint. The area is free of active faults and recorded earthquakes. The Federal Emergency Management Administration Flood Insurance Rate Maps (effective June 16, 2009) indicate that the Project includes special flood hazard areas and other areas of flood hazard in the vicinity of Lewis Creek, otherwise, the Project consists of areas of minimal flood hazards. Land use is primarily agricultural and rural residential.

10. Other public agencies whose approval is required Construction related permits such as a Stormwater Pollution Prevention Plan administered by the State Water Resources Control Board, a Dust Control Plan reviewed by the San Joaquin Valley Air Pollution Control District and a Public Right of way encroachment permits issued by Tulare County and the City of Lindsay will be required. In addition, the project will need an agreement to cross the San Joaquin Valley Railroad. If Lewis Creek crossings are not accomplished by boring, then a stream bed alteration agreement with the California Department of Fish and Wildlife may be required.

10. Other public agencies whose approval is required

1. United States Bureau of Reclamation;
2. Tulare County, Resource Management Agency;

LINDSAY-STRATHMORE IRRIGATION DISTRICT

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

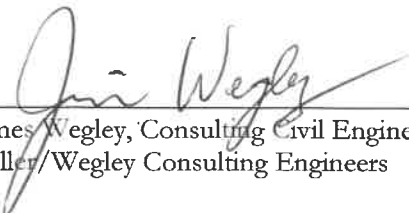
The environmental factors checked below would be potentially affected by this project, as indicated by the checklist and subsequent discussion on the following pages.

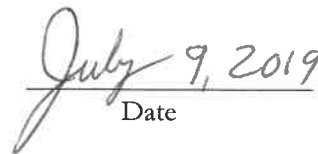
- | | | |
|--|--|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture & Forestry | <input type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input checked="" 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/Traffic | <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.


James Wegley, Consulting Civil Engineer
Keller/Wegley Consulting Engineers


Date

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Issues:

I. AESTHETICS

Would the project:

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista? All of the Project features will be installed underground or adjacent (affixed) to existing bridges outside normal line of site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? There are no scenic resources near the Project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings? All of the Project's features will be installed underground.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? The Project does not include installing any lighting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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**II. AGRICULTURE & 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:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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? The Project will be constructed within public rights-of-way or District easements. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? The project will be constructed within public rights-of-way or District easements. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined in Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? No timberland exist within the Project area. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
d) Result in the loss of forest land or conversion of forest land to non-forest use? No timberland exist within the Project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? The Project purpose is to maintain delivery of irrigation water to District customers. The improvements will not remove land from agricultural use. The Project's purpose, location or nature should not result in conversion of farmland to non-agricultural use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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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? The proposed Project will not conflict with any applicable air quality plan. During construction, however, the contractor will be required to comply with the San Joaquin Valley Air Pollution Control District's Regulation VIII. The contract specifications will include language to this effect. Further, the estimated generation of emissions is well below the threshold of significance. A summary of the CalEEMod emissions estimate is attached for reference. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation? See response to III.a. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) 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)? When in operation, the Project pipeline will not result in any net increase of pollutants. See response to III.a. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Expose sensitive receptors to substantial pollutant concentrations? See response to III.c. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Create objectionable odors affecting a substantial number of people? The Project will not create objectionable odors. See Project Description. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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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?
The District authorized Live Oak Associates, Inc. (Oakhurst, CA) to conduct a biological resources investigation of the lands associated with the Proposed Project. The “Biological Evaluation for CEQA Compliance” report presents the findings and recommendations regarding biological resources.

The Executive Summary (page 2) is attached for reference. The complete report can be viewed at the District office.

In general, the biological evaluation determined that project impacts will be less than significant on the biological resources within the Project Area. The Report established mitigation measures associated with the San Joaquin Kit Fox, Swainson’s Hawk, Loggerhead Shrikes and other nesting raptors and migratory birds.

Mitigation measures consist of avoidance, if possible, preconstruction surveys, construction buffers, monitoring and reporting and education efforts during construction.

- 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 U.S. Fish and Wildlife Service?
See response to IV.a.

LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
<p>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? The District authorized Live Oak Associates, Inc. (Oakhurst, CA) to conduct an aquatics resources investigation for the Project. The “Aquatic Resources Delineation” report presents the findings and recommendations regarding aquatic resources.</p> <p>The Executive Summary (page 2) is attached for reference. The complete report can be viewed at the District office.</p> <p>The aquatics resources investigation did not identify any substantial adverse effects. ee IV.a</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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? See responses to IV.a. and IV.c.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? See response to IV.a.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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? See response to IV.a.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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V. CULTURAL RESOURCES

Would the project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5? **The proposed project will be located in a public rights-of-way and/or District easements. These areas have been previously disturbed. The construction specifications provide for work stoppage, however, if cultural resources are discovered.**

A Class III Inventory/Phase I survey (Report) was completed in June 2019 by ASM Affiliates (Tehachapi, CA) for the proposed Project. The Report determined that the proposed Project did not have the potential to adversely affect historical resources.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? **See response to V.a.**

c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? **See response to V.a.**

d) Disturb any human remains, including those interred outside of formal cemeteries? **See response to V.a.**

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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VI. GEOLOGY AND SOILS

Would the project:

a) Expose people or structures to 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. **According to Table 4 in Special Publications 42, prepared by the California Divisions of Mines and Geology, the nearest city which is affected by earthquake fault zones is the City of Bakersfield. The City of Bakersfield is located approximately 60 miles south of the Project. Further, the portion of County of Tulare in which the Project is located is not listed in said table as an area to be affected by earthquake fault zones.**

ii) Strong seismic ground shaking? **S See response to VI.a.i.**

iii) Seismic-related ground failure, including liquefaction? **See response to VI.a.i.**

iv) Landslides? **See response to VI.a.i.**

LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
b) Result in substantial soil erosion or the loss of topsoil? No. Project locations consist of roadways or graded shoulders. Project locations will be restored to existing conditions following pipeline installation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? According to the National Resource Conservation Service (Soil Conservation Service), the Project area includes Exeter Loam, Honcut Sandy loam and San Joaquin Loam. The soil summary does not list any geologic hazards such as soil instability or subsidence.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the most recently adopted Uniform Building Code creating substantial risks to life or property? The Project does not include the construction of permanent dwelling buildings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? The Project does not involve installation of septic tanks or alternative wastewater disposal systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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VII. GREENHOUSE GAS EMISSIONS

Would the project:

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? **Emissions modeling for the proposed Project estimate that construction activities will generate approximately 300 metric tons (MT) of greenhouse gas emissions which is significantly less than the 25,000 MT threshold. A summary of the modeling results is attached for reference.**

- b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? **The proposed Project does not conflict with any applicable plan, policy or regulation.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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VIII. HAZARDS AND HAZARDOUS MATERIALS

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? The Project operation does not involve hazardous materials. During the course of construction, the contractor and his use of any hazardous materials is regulated by appropriate California and federal laws. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? The operation of the Project will not require the use of any hazardous materials. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? The Project does not involve use of hazardous materials. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? The Project locations do not include any hazardous material sites. The locations are not on the "Cortese list". | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? No. The northern edge of the Project is about 3 miles Southeast from the closest public airport (Exeter Airport).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area? No. A review of aerial photographs dated February 8, 2018, indicated a private air strip (Eckert Field) is located approximately one-half mile from four (4) project locations. Construction, however, will not result in any structures that have potential to affect the airstrip.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? No. the proposed pipelines are located underground with the exception of above ground crossings attached to existing bridges.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? See response to VII.g.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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IX. HYDROLOGY AND WATER QUALITY

Would the project:

- a) Violate any water quality standards or waste discharge requirements? **No. the proposed project consists of irrigation water delivery pipelines. The contractor will be required by the construction specifications to follow all applicable laws regarding discharges during construction.**

- b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? **The proposed Project consists of the installation of replacement water pipelines that will deliver surface water supplies. The Project will not deplete groundwater supplies. The Project will not substantially increase or decrease the use of groundwater in the area.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site? The Project will install about 30,500 lineal feet of pipeline and sectionalizing valves. All of the installed facilities will be located underground with the exception of above-ground bridge crossings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? The proposed Project consists of underground pipelines. A Storm-water Pollution Prevention Plan is anticipated. During construction, the contractor will be required to submit a Notice of Intent to comply with the General Permit order to discharge storm water associated with construction activity (WQ Order No. 2009-0009 DWQ) with the State Water Resources Control Board. After construction completion, the Project will not alter existing drainage patterns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) 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? See response to IX.d.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality? See response to IX.d.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? The Project does not include any housing construction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows? According to Flood Insurance Rate Map (FIRM) number 06 107C 130 5E, effective June 16, 2009 the project is located outside the special flood hazard areas subject to inundation by the 1 percent annual chance flood. All improvements will be located underground, with the exception of a few fire hydrants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? See response to IX.h.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow? The Project is located on the Tulare County portion of the valley floor and therefore the Project is located over 100 miles from the coast and is not subject to inundation by seiche, tsunami or mud flows.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

X. LAND USE AND PLANNING

Would the project:

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
a) Physically divide an established community? No. See Figure 1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the General Plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? There is no conflict between the proposed Project and the Tulare County General Plan. The majority of the Project will be located within the existing public right-of-way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan? The majority of the proposed Project will be located with existing public right-of-way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XI. 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? The Project is primarily located within an existing public right-of-way and will not result in a loss of mineral resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? No. The majority of the proposed Project will be located with existing public right-of-way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STATHMORE IRRIGATION DISTRICT

XII. NOISE

Would the project:

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? The operation of the Project will not create any adverse noise. During construction there may be the potential for noise in excess of the Tulare County's General Plan standards. The contractor will be required to abide by all applicable laws. Given the rural location, any noise created by construction will not adversely impact adjacent residents. The construction documents will require the contractor to limit his noise generation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels? See response to XII.a.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? See response to XII.a.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? See response to XII.a.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? Not applicable. The Project is greater than 2 miles from the nearest public or private airport.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? Not applicable. See response to XII.e.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XIII. POPULATION AND HOUSING

Would the project:

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? No. The purpose of the project is to replace leaking water pipelines to improve water delivery capabilities and provide operational improvements (sectionalizing valves) for the distribution system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? No. The Project is primarily located in public rights-of-way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? No. The Project is primarily located in public rights-of-way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

XIV. PUBLIC SERVICES

Would the project:

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: **Not applicable. The Project will not require nor facilitate the need for additional governmental services.**

Fire protection? See text above.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection? See text above.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools? See text above.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks? See text above.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities? See text above.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

XV. RECREATION

Would the project:

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? **See response to XIII.a.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? **No. The Project does not include or require expansion of any recreational facilities.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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XVI. TRANSPORTATION/TRAFFIC

Would the project:

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? **No. The Project elements are located underground with the exception of valve boxes and water services to be installed at finish grade elevations and a few replacement fire hydrants. All construction activities will be performed within County rights-of-way and/or granted easements. County encroachment permit will establish requirements to maintain effectiveness of streets at locations of pipeline installations.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways? **No. The Project elements are located underground with the exception of valve boxes and water services to be installed at finish grade elevations and a few replacement fire hydrants. All construction activities will be performed within County rights-of-way and/or granted easements. County encroachment permit will establish requirements associated with the level of service standards.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? **See responses to VIII.e and VIII.f.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? No. The Project elements are located underground, with the exception of valve boxes and water services to be installed at finish grade elevations and a few replacement fire hydrants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access? See response to XVI.d.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)? See response to XVI.d.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XVII. UTILITIES AND SERVICE SYSTEMS

Would the project:

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? Not applicable. Proposed Project does not include wastewater treatment elements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? No. See response to XVII.a.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? Not applicable. Proposed project does not include stormwater drainage facilities. Project elements will be located underground with the exception of water service/valve boxes to be installed for water deliveries and a few replacement fire hydrants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? The Project will be served from existing water entitlements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) 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? Not applicable. Proposed project will not increase wastewater demands. No determination will be required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LINDSAY-STRATHMORE IRRIGATION DISTRICT

	Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? Yes. The Project will not generate any solid or liquid waste. Construction activities will likely generate small quantities of solid waste that can be accommodated by Tulare County landfills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste? Yes. The Project will not generate any solid or liquid waste. Contractor will be required to comply with federal, state and local regulation regarding disposal of liquid or solids wastes generated during construction activities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XVIII. MANDATORY FINDINGS OF SIGNIFICANCE

Would the project:

Potentially Significant Impact	Less than Significant With Mitigation Incorporation	Less than Significant Impact	No Impact
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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? **The proposed Project consists of installation of irrigation water pipelines, sectionalizing valves and water services and a few replacement fire hydrants. No adverse environmental impacts have been identified.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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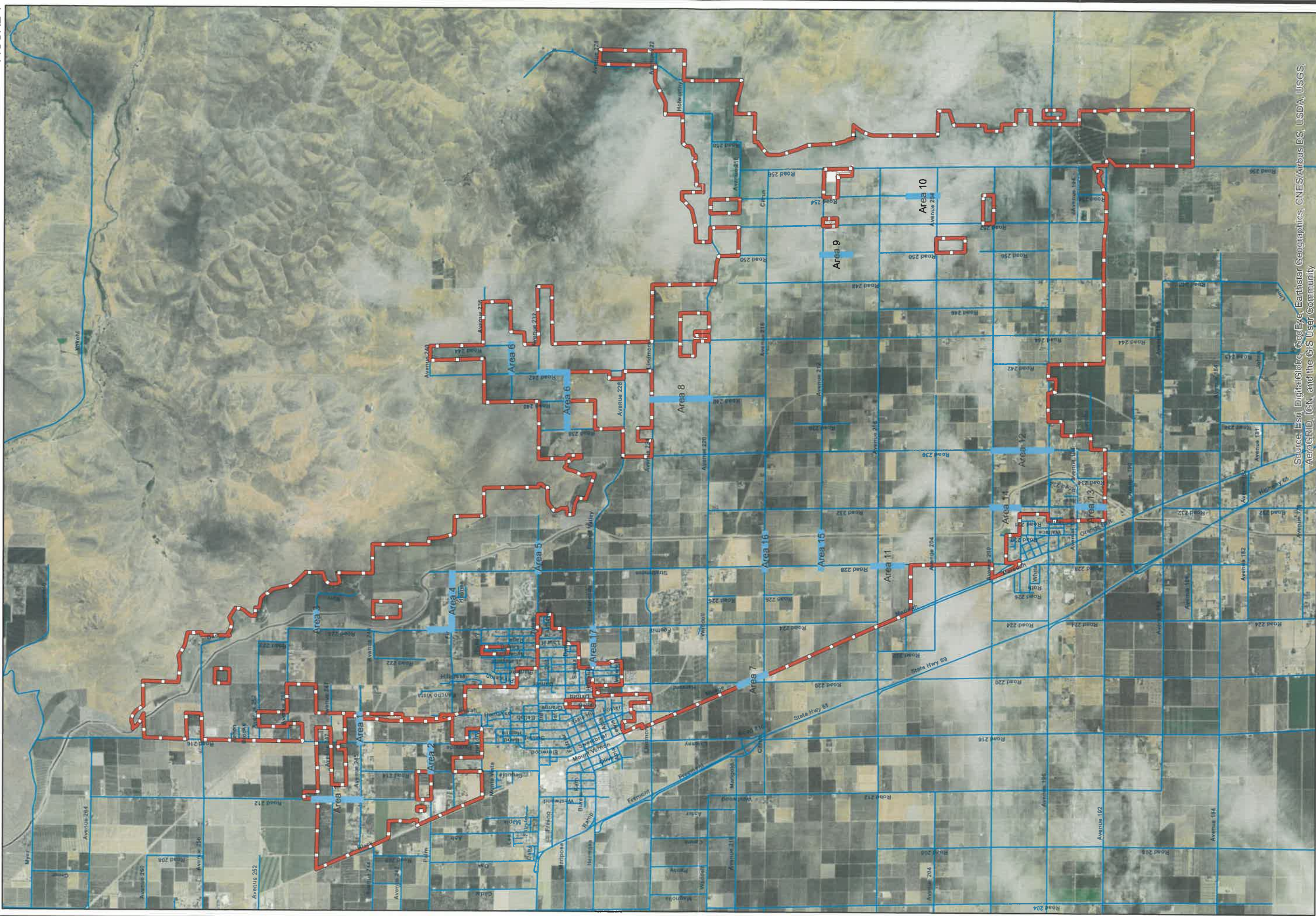
b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? **No. The delivery of water through the proposed pipelines will reflect existing/current water supply use.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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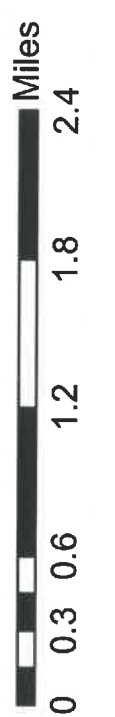
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? **No. The delivery of water through the proposed pipelines will reflect existing/current water supply use.**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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FIGURE 1



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**DISTRICT SERVICE AREA
PIPELINE REPLACEMENT PROJECT - 2018
LINDSAY-STRATHMORE IRRIGATION DISTRICT**

ATTACHMENT

ESTIMATED EMISSIONS

PIPELINE REPLACEMENT PROJECT

LINDSAY-STRATHMORE IRRIGATION DISTRICT

ESTIMATED EMISSIONS

PIPELINE REPLACEMENT PROJECT

LINDSAY-STRATHMORE IRRIGATION DISTRICT

The estimated Project construction and operational air emissions is summarized below. The emission estimates were generated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2. based upon the installation of 30,500 linear feet of pipe over a 365 day construction schedule. The full CalEEMod emissions estimate report is available for review at the District office.

Pollutant	Status (Attainment, Nonattainment or Unclassified)	Threshold of Significance for the Area (if applicable (Tons/Year)	Construction Emissions (Tons/Year)	Operations Emissions (Tons/Year)
Carbon Monoxide (CO)	Attainment	100	< 1	Note 1
Ozone (O ₃)	Non Att. / Extreme	10	Unknown (Note 2)	Note 1
Oxides of Nitrogen (NO _x)	Non Att./Extreme	50	1	Note 1
Particulate Matter (PM ₁₀)	Unclassified / Attainment	100	< 1	Note 1
Reactive Organic Gases (ROG)	Unknown	Unknown	< 1	0
Sulfur Dioxide (SO ₂)	Attainment	Unknown	< 1	0
Volatile Organic Compounds (VOC)	Non Att. / Extreme	50	Unknown (Note 2)	Note 1
PM 2.5	Non Att.	100	< 1	Note 1
CO ₂ (Greenhouse Effect)	Does not apply	25,000	< 300	Note 1

Notes:

1. The project consists of replacement of existing pipelines and will not result in significant changes to existing operations.
2. Not calculated by CalEEMod.

ATTACHMENT

BIOLOGICAL RESOURCES EVALUATION

PIPELINE REPLACEMENT PROJECT

LINDSAY-STRATHMORE IRRIGATION DISTRICT



LIVE OAK ASSOCIATES, INC.

an Ecological Consulting Firm

**BIOLOGICAL EVALUATION FOR CEQA COMPLIANCE
LINDSAY-STRATHMORE IRRIGATION DISTRICT
PIPE REPLACEMENT PROJECT
LINDSAY AND STRATHMORE, TULARE COUNTY, CALIFORNIA**



Prepared by:

LIVE OAK ASSOCIATES, INC.

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PN 2328-01

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EXECUTIVE SUMMARY

Live Oak Associates, Inc. (LOA) conducted a biological resources investigation of lands proposed for the development of the Lindsay-Strathmore Irrigation District (District) Pipe Replacement Project, and evaluated likely impacts to such resources resulting from project implementation. The project is the improvement of the District's water distribution system with the replacement of 19 pipeline segments near the communities of Lindsay and Strathmore. On Dec 17, 2018 and January 2, 2019, LOA ecologists Wendy Fisher and Natalie Neff surveyed the 80-foot right-of-way associated with each of the pipe segments ("project sites") for biotic habitats, the plants and animals occurring in those habitats, and significant habitat values that may be protected by state and federal law.

Five land uses/biotic habitats have been identified within the project sites, including ruderal, agricultural land, commercial/residential/industrial, canal, and seasonal wetland channel. All of the on-site habitats have experienced some level of human disturbance or modification. Project activities will be concentrated within the sites' ruderal road shoulders, where the pipeline segments are situated, with minimal impact to other on-site habitats. The project sites contain five crossings of the Friant-Kern Canal (FKC), a known Water of the U.S. subject to the regulatory authority of the U.S. Army Corps of Engineers. Additionally, three crossings of Lewis Creek are proposed; Lewis Creek is not likely to be considered a water of the U.S. The project sites sit within a mix of urban and rural lands representing agricultural, municipal, industrial, and residential uses.

The project sites do not provide suitable habitat for locally occurring special status plant species; hence, the proposed project will not impact special status plants. Project impacts will be less than significant for wildlife movement corridors, federally regulated waters, riparian or other sensitive habitats, designated critical habitat, and many special status animal species that are absent or unlikely to occur within the project sites or that may forage within the project sites but breed elsewhere. The project does not appear to conflict with applicable General Plans or other local policies.

The project has the potential to result in mortality of the San Joaquin kit fox, in the unlikely event that one or more individuals of this species occur on the sites at the time of construction. The project also has the potential to result in construction-related mortality/disturbance of nesting Swainson's hawks, loggerhead shrikes, and other nesting raptors and migratory birds, and degradation of downstream waters. Should removal of mature trees be required, the project could result in the mortality of native bats that may be roosting within, possibly including the special status pallid bat and Townsend's big-eared bat. These impacts, if they occur, would be considered significant under the California Environmental Quality Act (CEQA). Project avoidance of active nests, dens, and roosts identified during preconstruction surveys, implementation of minimization measures consistent with the USFWS 2011 *Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance*, implementation of erosion control measures for project activities occurring within or adjacent to the FKC and Lewis Creek, and development and implementation of a Stormwater Pollution Prevention Plan will reduce the magnitude of these potential impacts to a less than significant level under CEQA.



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**AQUATIC RESOURCES DELINEATION
LINDSAY-STRATHMORE IRRIGATION DISTRICT
PIPE REPLACEMENT PROJECT
LINDSAY AND STRATHMORE, TULARE COUNTY, CALIFORNIA**



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PN 2328-01

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EXECUTIVE SUMMARY

Live Oak Associates, Inc. (LOA) investigated the locations of 19 pipeline segments for aquatic resources, some of which would be considered waters of the United States (also referred to as jurisdictional waters) in December of 2018 and January of 2019. Waters of the U.S. generally include navigable waters, interstate drainages, impoundments of jurisdictional waters, tributaries to navigable and interstate waters, and wetlands adjacent to such waters. LOA's investigation encompassed corridors 300 feet in width centered on each of the pipeline segments (individually, the "project sites"; collectively, the "study area"). The study area is located near the unincorporated communities of Lindsay and Strathmore in Tulare County, California.

The study area contains five crossings of the Friant-Kern Canal (FKC), a known Water of the U.S. subject to the regulatory authority of the U.S. Army Corps of Engineers (USACE). The extent of jurisdiction of the FKC is determined by the width of the channel at ordinary high water. The area of potential jurisdiction of the FKC within the study area has been determined to be 2.46 acres. The area of potential jurisdiction of the FKC within the 80-foot right-of-way within which all project activities would be confined has been determined to be 0.64 acre.

The only other hydrologic feature on the study area is Lewis Creek, which intersects the study area in three locations. The extent of Lewis Creek within the study area totals approximately 1.26 acres within the study area and 0.1 acre within the smaller 80-foot right-of-way within which project activities would be confined. This seasonal wetland channel is characterized by the physical indicators of a bed and bank and an ordinary high water mark, but does not contribute flow to other waters. It takes on characteristics of a (b)(3)(iii) ditch in the sense that it does not flow, either directly or through another water, to an (a)(1)-(a)(3) water. It originates in the foothills east of the study area and dissipates in agricultural ditches west of the site. This isolated seasonal wetland channel does not empty into any other potential water of the U.S. As such, it would not be considered a Water of the U.S.

The remainder of the study area at the time of the field survey consisted of ruderal, agricultural land, and commercial/residential/industrial uses. These areas did not meet any of the three technical criteria of wetlands, nor did they meet the definition of Waters of the U.S. as presented in the 2015 Clean Water Rule.

ATTACHMENT

CULTURAL RESOURCES EVALUATION

PIPELINE REPLACEMENT PROJECT

LINDSAY-STRATHMORE IRRIGATION DISTRICT

**CLASS III INVENTORY/PHASE I SURVEY,
LINDSAY-STRATHMORE IRRIGATION DISTRICT
PIPELINE REPLACEMENT PROJECT, TULARE
COUNTY, CALIFORNIA**

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PN 32080.00

MANAGEMENT SUMMARY

An intensive Class III cultural resources inventory/Phase I survey was conducted for the Lindsay-Strathmore Irrigation District (LSID) Pipeline Replacement Project (Project), which involves replacing approximately 10-miles of pipes to improve its water distribution system. These replacements will occur in 17 Project areas of potential effect (APEs) located within and between the City of Lindsay and census-designated Strathmore, Tulare County, California. ASM Affiliates, Inc., conducted this study, with David S. Whitley, Ph.D., RPA, serving as principal investigator. The study was undertaken to assist with compliance with Section 106 of the National Historic Preservation Act of 1966, as amended, and the California Environmental Quality Act.

The APE for the Project consists the area of potential ground surface disturbance resulting from the pipeline replacements, which lie within or immediately adjacent to County roads, including access and staging areas. The Project horizontal APE consists of approximately 75-acres where pipes will be replaced; the vertical APE is the maximum limit of ground surface excavation, estimated at 10-feet.

A record search of site files and maps was conducted at the Southern San Joaquin Valley Archaeological Information Center (IC), California State University, Bakersfield. A Sacred Lands File Request was also submitted to the Native American Heritage Commission (NAHC). These investigations determined that small portions of the Project APE had been previously surveyed and that three historical structures are known to exist within it. These include a short stretch of Burlington Northern and Santa Fe Railway (BNSF; P-16-000120), segments of the Friant-Kern Canal (P-54-004614/CA-TUL-002873H), and a segment of the of Southern Pacific/Central Pacific Railroad (P-54-004626/CA-TUL-002880H).

The Class III inventory/Phase I survey fieldwork was conducted on 10 May 2019 with parallel transects spaced at 15-meter intervals walked along the approximately 75-acre APE. Because the APE involves locations within or adjacent to existing roads, both sides of each road segment were surveyed. The three previously recorded cultural resources were identified within the APE. Numerous segments of the Southern Pacific/Central Pacific and the BNSF railroads have been recorded since 2001 and, due to modifications and abandonments, have been recommended as not eligible or significant. We concur with those recommendations with respect to the segments recorded during this project. The United States Bureau of Reclamation (BOR) determined that Friant-Kern Canal is NRHP eligible under Criterion A in 2006. The Friant-Kern Canal also has been recommended as CRHR eligible under Criterion 1. Analysis of potential impacts to this resource as a result of the project, however, indicates that no adverse effects will occur to the qualities and characteristics that contribute to this resource's eligibility. No additional resources were identified. Based on these findings, the proposed Lindsay-Strathmore Irrigation District Project does not have the potential to result in adverse impacts or effects to historical resources or historic properties, and a determination of no significant impact under CEQA and adverse effect under Section 106 is recommended. In the unlikely event that cultural resources are identified during the project, work should be halted within a 100-foot radius of the find. It is recommended that a qualified archaeologist be contacted to evaluate the newly discovered resource.