

LiSWA Wastewater Treatment Reclamation Facility Improvements Project

Mitigation, Monitoring, and Reporting
Program



Prepared for:
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July 7, 2025

**LISWA WASTEWATER TREATMENT RECLAMATION FACILITY IMPROVEMENTS PROJECT
MITIGATION, MONITORING, AND REPORTING PROGRAM**

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1.0 INTRODUCTION

The Lincoln-SMD1 Wastewater Authority (LiSWA) is upgrading its existing Wastewater Treatment and Reclamation Facility (WWTRF) and completed an Addendum to the 2013 Midwestern Placer Regional Sewer Project (Project) Environmental Impact Report (2013 EIR) for the LiSWA WWTRF Improvements Project (proposed project improvements) in July 2025. This Mitigation Monitoring and Reporting Program (MMRP) was prepared pursuant to the CEQA guidelines (section 21081.6(a)(1)), which require a public agency to adopt a monitoring and/or reporting program to ensure compliance with mitigation measures during project implementation. This MMRP identifies the measures from the 2013 EIR and MMRP that apply to the proposed project improvements as evaluated and documented in the Addendum. This MMRP identifies the required mitigation and environmental compliance steps to be completed in accordance with CEQA regulations and the parties responsible for implementation and monitoring.

2.0 PROJECT DESCRIPTION

2.1 PROPOSED PROJECT IMPROVEMENTS

Upgrades and improvements to the LiSWA WWTRF include the following and are described herein as well as in the project's Basis of Design Report (BDR) (Stantec 2024) (Figure 2-1 and Figure 2-2):

- Influent and effluent pump stations upgrades
- Installation of a 50-million-gallon-per-day (Mgal/d) grit removal basin
- Upgrades to the maturation ponds' pump station
- Filter feed pump station modifications and filter system upgrades
- Ultraviolet (UV) disinfection system upgrades
- Installation of oxidation ditch and appurtenances
- Installation of secondary clarifier and appurtenances
- Structural and electrical improvements
- Site paving and grading

Growth associated with the WWTRF is in accordance with the Lincoln 2050 General Plan Update (City of Lincoln 2008), the Placer County Conservation Plan (Placer County 2011), and was addressed in the associated Lincoln General Plan EIR (2006).

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Figure 2-1. LiSWA WWTRF 2025 Improvements Project

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Figure 2-2. LiSWA WWTRF 2025 Improvements Project Detail

2.2 PROJECT LOCATION

The location of the proposed project improvements would remain unchanged from the 2013 EIR and would be located within the existing 733-acre LiSWA WWTRF property within City limits in western Placer County. All proposed project improvement activities would occur at the LiSWA WWTRF.

2.3 CONSTRUCTION ACTIVITIES

Implementation of the proposed project improvements would follow similar methods and require similar construction equipment as disclosed in the 2003 EIR. Staging would be conducted on the existing WWTRF site, and access would be maintained through existing access roads on the WWTRF site.

2.4 PROPOSED PROJECT OPERATION AND MAINTENANCE

LiSWA will continue to operate the WWTRF to minimize cost and maximize efficiency. In general, operation and maintenance activities at the LiSWA WWTRF would be similar to existing activities.

2.5 PROPOSED SCHEDULE

The current proposed project improvements schedule began with facility planning, preliminary design, funding applications, environmental documentation, and then permitting in 2017. The planning, design, and environmental compliance activities described within this CEQA Addendum are targeted to conclude with the approval of this Addendum, the permitting process, and a funding commitment by 2025 or 2026.

3.0 PROCEDURES FOR MONITORING AND REPORTING

LiSWA will be responsible for mitigation measure implementation oversight, and compliance documentation. Under the oversight of the LiSWA staff, mitigation actions required prior to and during construction will be performed by the LiSWA's consultants, the construction contractors, and/or LiSWA's staff.

Monitoring and reporting procedures will conform to the following steps prior to and during project construction and operations:

Step 1 Action: This step will be executed by the LiSWA and may be designated by the LiSWA Project Manager to a consultant and/or contractor. All actions taken as part of this MMRP will be documented monthly and reported quarterly to LiSWA, as described in Steps 2 and 3 below. The designee responsible for the implementation of mitigation measures will:

- Review mitigation status reports and any other information generated during construction;

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- Ensure that the mitigation measures in the MMRP are undertaken, either by staff, contractors, or consultants; and
- Verify monthly that mitigation actions are properly undertaken.

Step 2 Monitoring: This step will be executed by the monitor. The monitor will be designated by the LiSWA Project Manager and may be a consultant to the LiSWA. The monitor will investigate noncompliance allegations and identify how the LiSWA staff or its designees should correct the implementation of the measure. If a measure is under the control of the contractor, the monitor will inform the contractor of the monitor's determination and request improved implementation.

The monitor will have the following responsibilities:

- Be knowledgeable in the mitigation that is to be monitored; and
- Verify implementation of mitigation by:
 - Verifying in the field that the required implementation has been properly executed during and after construction; and
 - Contacting the Project Manager and requesting that the situation be remedied if mitigation is not being implemented or executed properly.

Step 3 Reporting: This step will be executed by the monitor. The monitor will have the following responsibilities:

- Compile all mitigation status reports into a Report of Compliance. Recommendations may include updating the frequency of monitoring, changing the type of monitoring, and suggesting better ways to implement mitigation:
 - Assist the LiSWA Project Manager in reviewing the contractor's implementation of mitigation requirements, detailing corrective action and time of completion to resolve any issues that are raised; and
 - Keep all completed reports and statements on file at the LiSWA office.

4.0 CEQA MITIGATION MEASURES

Table 4-1 below describes the mitigation measures included for the proposed project improvements. For each mitigation measure, the required action, the responsible party, the implementation timing, and the reporting requirements are described.

Table 4-1 Summary of the LiSWA Wastewater Treatment and Reclamation Facility Improvements Project Mitigation Measures

Mitigation Measure	Responsible Party	Monitoring Timing	Monitoring and Reporting Program	Standards for Success
Aesthetics				
Mitigation Measure AES-3: Select colors and finishes for above ground elements which blend with their existing visual environment. Where improvements occur in natural areas or adjacent to roadway, the designer shall be required use natural colors such as shades of brown, tan, green, and warm greys to the maximum extent permitted. Where improvements occur at existing facilities, the proposed Regional Project shall be required to use colors and finishes which are the same as or complementary to the existing visual environment.	LiSWA	Prior to the issuance of Placer County grading, conditional use, and encroachment permits authorizing construction and also prior to final authorization of substantial completion of construction.	The plans issued for construction shall be required to indicate material finishes and color selections and LiSWA shall be required to verify that the selections have been made in conformance with this mitigation measure. Following construction LiSWA staff shall confirm the Contractor has performed construction in conformance with the plans through visual verification.	Improvements blend with their existing visual environment.
Mitigation Measure AES-4: Include landscaping that is adequate to screen views of major new above ground facilities. If new features are visible to sensitive viewers above existing vegetation or if existing vegetation is removed landscaping shall include view shielding vegetation such as large shrubs, trees, planted berms, groundcovers, and vegetation that will climb to cover perimeter fencing. Preference shall be for hardy, resilient, evergreen plant species that require little to no supplemental watering once established. Preference shall also be for plants within the proposed Regional Project vicinity, especially California foothill natives, which demonstrate the aforementioned qualities. No plant species listed as 'invasive' by the California Invasive Plant Council shall be permitted under any condition. This condition shall apply to any major improvements adjacent residences or on scenic roadways. It shall also apply to any above ground improvement located on a ridgeline.	LiSWA	On-going during design phase and prior to commencement of construction.	Landscaping and a recommended on-going maintenance program shall be required. Following construction, the LiSWA Engineer shall confirm the contractor has performed construction in conformance landscaping goals through visual verification.	Mitigation shall be considered successful once the contractor installs the landscaping and an adequate on-going maintenance program is verified by LiSWA ensures the planting's long-term viability and health.
Mitigation Measure AES-5: Use best management practices (BMPs) to minimize lighting impacts from construction and operation. The following BMPs shall be implemented to ensure minimal adverse impacts to nighttime views for adjacent sensitive receptors. These BMPs shall apply to design improvement plans for the proposed Regional Project as well as construction activities and staging areas implemented by the contractor during construction. BMPs may include, but are not limited to: <ul style="list-style-type: none">Identifying when/where lighting is needed and confine/minimize lighting to the extent necessary to meet safety purposes.Choosing light fixtures that direct light downward and which shield direct lighting from sensitive receptor to the maximum extent feasible.Select warm color temperature bulbs (less than 5000K).Utilizing "shut off" controls such as sensors, timers, and motion detectors, etc. where appropriate.Limiting the height of fixtures to minimize the amount of light crossing property lines and overall light levels.Utilizing temporary lighting shields during construction where construction lighting impacts to sensitive receptors cannot be avoided.	LiSWA	All phases including design, construction, and operation.	The Project Electrical Engineer shall prepare the design plans in conformance with this mitigation measure.	Lighting impacts are reduced to a less than significant level for all sensitive receptors adjacent to the proposed Regional Project both during construction and during operation.

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Air Quality				
<p>Mitigation Measure AIR-1: Construction Emission/ Dust Control Plan</p> <p>LiSWA shall require that the selected contractor prepare and implement a project construction Emission and Dust Control Plan prior to construction that complies with all goals and policies of the general plans associated with the project, Placer County APCD rules and regulations including the Placer County APCD's and California Rule Based Requirements for Improvement Plans (Included at the end of Section 3.5.1.3 above), and Placer County APCD Recommended Construction Mitigation Measures (included below). The Construction Emissions/ Dust Control Plan shall include:</p> <ul style="list-style-type: none">• Apply water every 3 hours to disturbed areas within a construction site. Utilize water trucks for dust control, ensuring that soil moisture is adequate to eliminate or substantially reduce any visible dust emissions.• Vehicles and equipment traveling across unpaved areas would be kept to speeds of less than 15 miles per hour (speed limit must be posted).• All grading and earth moving operations shall be suspended when sustained wind speeds exceed 20 mph, if visibly moving off site.• Paved roadways (i.e., all paved access roads, parking areas, and staging areas at construction sites) shall be swept with water sweepers at the end of each construction day to prevent dust or dirt accumulation on paved roadways. A minimum of 50% of off-road heavy-duty (i.e., 50 horsepower, or greater) diesel fueled construction equipment shall, at a minimum, meet CARB's Tier 3 certified engine standards. Cleaner off-road heavy-duty diesel engines (e.g., Tier 4) shall be used to the extent feasible and available.• The project contractor shall ensure that all construction equipment is properly maintained.• Encourage construction worker commuters to carpool or employ other means to reduce trip generation.• All identified control measures shall be stipulated on all construction contracts and grading/building plans. <p>The following shall also be submitted to the Placer County APCD, shall be included in the Dust and Emissions Control Plan and shall be placed as Notes on the Improvement and Grading Plans:</p> <ul style="list-style-type: none">• Prior to approval of Grading or Improvement Plans, (whichever occurs first), on project sites greater than one acre, the applicant shall submit a Construction Emission/Dust Control Plan to the Placer County APCD. If the APCD does not respond within twenty (20) days of the plan being accepted as complete, the plan shall be considered approved. The applicant shall provide written evidence, provided by the APCD, to the local jurisdiction (city or county) that the plan has been submitted to the APCD. It is the responsibility of the applicant to deliver the approved plan to the local jurisdiction. The applicant shall not break ground prior to receiving APCD approval, of the Construction Emission I Dust Control Plan, and delivering that approval to the local jurisdiction issuing the permit.• Include the following standard note on the Grading Plan or Improvement Plans: The prime contractor shall submit to the APCD a comprehensive inventory (e.g., make, model, year, emission rating) of all the heavy-duty off-road equipment (50 horsepower of greater) that shall be used in aggregate of 40 or more hours for the construction project. If any new equipment is added after submission of the inventory, the prime contractor shall contact the APCD prior to the new equipment being utilized. At least three business days prior to the use of subject heavy-duty off-road equipment, the project representative shall provide the APCD with the anticipated construction timeline including start date, name, and phone number of the property owner, project manager, and on-site foreman.	<p>LiSWA would require that the contractor prepare and implement a Construction Emissions and Dust Control Plan and to mitigate equipment exhaust emissions during all phases of grading and activities that generate dust.</p>	<p>An Emissions and Dust Control Program must be prepared and approved by LiSWA and the Placer County APCD prior to start of construction and implemented during all phases of grading and activities that generate dust.</p>	<p>During construction, regular inspections shall be performed by a LiSWA representative and reports shall be kept on file by the LiSWA for inspection by the Placer County APCD, or other interested parties.</p>	<p>Visible emissions and dust (Specifically NOx, Ozone, and PM) are kept to the lowest practicable level. The goal is to minimize dust and emissions during construction and to the extent feasible, complaints from the public. These mitigation measures shall decrease construction emissions from NOx by 79%, ROG by 82%, PM10 by 100%, and PM2.5 by 20%.</p>

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<ul style="list-style-type: none">Prior to approval of Grading or Improvement Plans, whichever occurs first, the applicant shall provide a written calculation to the APCD for approval demonstrating that the heavy-duty (> 50 horsepower) off road vehicles to be used in the construction project, including owned, leased and subcontractor vehicles, shall achieve a project wide fleet-average of 20% of NOx, and 45% of diesel particulate matter (DPM) reduction as compared to CARB statewide fleet average emissions. Acceptable options for reducing emissions may include use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after treatment products, and/or other options as they become available. The following link shall be used to calculate compliance with this condition and shall be submitted to the APCD as described above: http://www.airquality.org/cegal (click on the current "Roadway Construction Emissions Model").Include the following standard note on the Improvement/Grading Plan: During construction the contractor shall utilize existing power sources (e.g., power poles) or clean fuel (e.g., gasoline, biodiesel, natural gas) generators to minimize the use of temporary diesel power generators.Include the following standard note on the Improvement/Grading Plan: During construction, the contractor shall minimize idling time to a maximum of 5 minutes for all diesel powered equipment.Prior to the approval of Grading or Improvement Plans, the applicant shall retain a qualified geologist or geotechnical engineer to conduct additional geologic evaluations of the project site to determine the presence or absence of naturally-occurring asbestos onsite. These evaluations shall include the project site and each offsite parcel where infrastructure construction or installation would occur. These evaluations shall be completed and submitted to the APCD prior to issuance of any Grading and/or Improvement Plans.If naturally-occurring asbestos is located onsite, the following measures shall be implemented prior to the approval of a Grading/Improvement Plans:<ul style="list-style-type: none">The applicant shall prepare an Asbestos Dust Mitigation Plan pursuant to CCR Title 17 Section 9305 ("Asbestos Airborne Toxic Control Measures for Construction, Grading, Quarrying, and Surface Mining Operations") and obtain approval by the Placer County APCD. The Plan shall include all measures required by the State of California and the Placer County APCD.If asbestos is found in concentrations greater than 5 percent, the material shall not be used as surfacing material as stated in California regulation CCR Title 17 Section 93106 ("Asbestos Airborne Toxic Control Measure-Asbestos Containing Serpentine"). The material with naturally-occurring asbestos can be reused at the site for subgrade material covered by other non-asbestos-containing material.Each subsequent individual lot developer shall prepare an Asbestos Dust Mitigation Plan when the construction area is equal to or greater than one acre.The project developer and each subsequent lot seller must disclose the presence of this environmental hazard during any subsequent real estate transaction processes. The disclosure must include a copy of the CARB pamphlet entitled "Asbestos-Containing Rock and Soil -What California Homeowners and Renters Need to Know," or other similar fact sheet.				
Geology and Soils				
Mitigation Measure HYDRO-1: See Hydrology and Water Quality				
Mitigation Measure CULT-1: See Cultural Resources				

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Hydrology and Water Quality				
<p>Mitigation Measure HYDRO-1: Prepare an Erosion Control and Stormwater Pollution Prevention Plan.</p> <p>In order to reduce the potential for erosion and sedimentation at any nearby waterways, the project proponents shall require that the selected contractor prepare an erosion control plan and a stormwater pollution prevention plan prior to construction. The erosion control plan shall provide, at a minimum, measures to trap sediment, stabilize excavated soil, and stabilize and revegetate disturbed areas. Straw bales, coir rolls, hydro seeding and other BMPs shall be used in areas of bare soil, and in drainages near all areas of disturbance to reduce surface runoff velocities and to prevent sediment from entering drainages. Maintenance of erosion and sediment control measures shall be conducted on a weekly basis. The revegetation of all graded and disturbed areas of bare soil shall be completed within six months, or prior to the rainy season. Seed mixes shall be used to replicate the naturally occurring vegetation, with the exception that the irrigation area shall be seeded with grass species suitable for extensive soil cover, climatic conditions, and irrigation, such as mountain timothy and tufted hairgrass. Initial seeding of the irrigation area shall occur immediately after sprinkler installation, and the site shall be irrigated to establish cover prior to the winter "wet" season. Additionally, the project shall be in accordance with the Placer County Grading Code which requires the project be designed with the primary concern of long-term erosion and sedimentation control. These plans shall be implemented and inspected accordingly throughout the construction process. Evidence of a WDID (Regional Board File Number) must be provided to the Engineering and Surveying Department prior to Utility Permit and Grading Permit approval.</p> <p>Construction activities disturbing more than one acre shall apply for coverage under California's General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (General Permit), SWRCB Order No. 2009-0009-DWQ. The General Permit requires that a SWPPP shall be prepared before construction begins. The plan would include a risk level determination based on sediment transport and receiving water risk in addition to specifications for BMPs that would be implemented during project construction to reduce or eliminate impacts to surface water. BMPs have been defined by the RWQCB in the <i>California Stormwater Quality Association</i> Construction Handbook, and include erosion and sediment control, non-stormwater and materials management, and waste management and materials pollution control. Additionally, the SWPPP would describe effluent limits and sampling and analysis requirements during construction (if applicable) and post-construction measures to prevent or control runoff degradation once construction is complete.</p>	Contractor and Qualified SWPPP Developer	Prior to Placer County Encroachment Permit and Grading Permit approval or exemption/LiSWA assumes responsibility for grading prior to construction	SWPPP Inspections	No SWPPP violations
<p>Mitigation Measure HYDRO-2: Dry Season Construction.</p> <p>In order to reduce the potential for erosion and sedimentation at any nearby sloughs, creeks or waterways during construction of collection system improvements, project proponents shall incorporate into contract specifications the requirements that construction directly adjacent to or across waterways be limited to the extent possible to the dry season, annually from May 1st to October 15th, subject to agreement with the appropriate regulatory agencies. Construction during the dry season minimizes impacts of stormwater runoff to the waterways' water quality. In the event of drought or an extended dry season in autumn, the General construction permit may be extended at one week increments until the first rain event of over one inch total precipitation. If this is not feasible, HYDRO-3 Construction Dewatering Management Plan shall be implemented.</p>	Contractor	Dry Season May 1 – October 15	Scheduling is recognized as a BMP and shall be incorporated as part of the Stormwater Pollution Prevention Plan.	No construction near waterways during rainy season.
<p>Mitigation Measure WQ-1: Avoid/Minimize Potential Water Quality Impacts from Construction Activities.</p> <ul style="list-style-type: none">Prior to construction, the contractor shall obtain coverage under the State NPDES General Construction Permit for Discharges of Stormwater Associated with Construction Activity and provide the CDRA Engineering and Surveying Division with evidence of a WDID number prior to Utility Encroachment Permit approval or Grading Plan/Permit approval.	LiSWA shall require the construction contractor to develop and implement erosion control BMPs and a Spill Prevention and Contingency Plan for all activities in the vicinity of drainages (including stormwater drainages in roadways). For	The BMPs and required Plans shall be implemented prior to and during all phases of construction.	Evaluation of BMPs and Spill Prevention and Contingency Plan (and SWPPP) shall be conducted by LiSWA. Reports of spills shall be documented and kept on file at the LiSWA office and reported to regulatory agencies if required in permits.	Prevention of construction material spills into the creeks in the vicinity of construction.

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<ul style="list-style-type: none">Prior to construction, the contractor shall develop a Spill Prevention and Contingency Plan for any grading activities.Containment and cleanup equipment (e.g., absorbent pads, mats, socks, granules, drip pans, shovels, and lined clean drums) shall be at the staging areas and construction site for use, as needed.Staging areas where refueling, storage, and maintenance of equipment occur shall not be located within 100 feet of drainages to reduce the potential for contamination by spills.Construction equipment shall be maintained and kept in good operating condition to reduce the likelihood of line breaks or leakage.No refueling or servicing shall be done without absorbent material (e.g. absorbent pads, mats, socks, pillows, and granules) or drip pans underneath to contain spilled material. If these activities result in an accumulation of materials on the soil, the soil will be removed and properly disposed of as hazardous waste.If a spill is detected, construction activity shall cease immediately and the procedures described in the Spill Prevention and Contingency Plan will be immediately enacted to safely contain and remove spilled materials.Spill areas shall be restored to pre-spill conditions, as practicable.Spills shall be documented and reported to LiSWA and appropriate resource agency personnel.	grading activities impacting larger than one acre, a SWPPP shall also be developed.			
Biological Resources				
<p>Mitigation Measure BIO-9: Avoid disturbance of nesting special-status migratory birds, raptors (including burrowing owls and Swainson's hawks).</p> <p>To avoid disturbance to ground, tree, and other nesting special-status birds (including burrowing owl and Swainson's hawk) and non-special-status migratory birds, one of the following measures, depending on the specific construction timeframe, shall be implemented:</p> <p>a) If construction activities are scheduled to occur during the breeding season for these species (generally between March 1 and September 1), a qualified wildlife biologist shall be retained to conduct the following focused nesting surveys within the appropriate habitat for each species: Nesting surveys shall be conducted within the Biological Survey Area and all potential nesting habitat within 250 feet of this area. This survey shall include the identification of burrowing owl and Swainson's hawk nests if they occur. The surveys should be conducted within one week before initiation of construction activities at any time between March 1 and September 1. If no active nests are detected, then no additional mitigation is required. If surveys indicate that any migratory bird, raptor, burrowing owl, or Swainson's hawk nests are found in any area that would be directly or indirectly affected by construction activities, a no-disturbance buffer shall be established around the nesting site to avoid disturbance or destruction of the nest site until after the breeding season or after a wildlife biologist determines that the young have fledged (usually late June to mid-July). The extent of these buffers shall be determined by a qualified wildlife biologist, with the input of CDFW, and shall depend on the level of noise or construction disturbance, line of sight between the nest and the disturbance, ambient levels of noise and other disturbances, and other topographical or artificial barriers. These factors should be analyzed to make an appropriate decision on buffer distances.</p> <p>b) If construction activities begin before the breeding season (i.e., begin between September 1 and February 28) (pre-existing construction), then construction can proceed until it is determined that an active migratory bird, raptor, burrowing owl, or Swainson's hawk nest would be subject to abandonment as a result of construction activities. Pre-existing construction activities are assumed to be "full force," as are site grading and infrastructure development. Activities that technically initiate construction but are minor would not be</p>	LiSWA shall ensure that a qualified biologist conducts pre-construction surveys.	One nesting survey shall be conducted within one week of initiating the project, should the project occur between May and August.	The survey shall be conducted by a qualified wildlife biologist and a brief survey report shall be documented and kept on file with LiSWA.	Special status species and migratory bird nests shall not be disturbed during the project construction activities.

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<p>considered full force. Optimally, all necessary vegetation and tree removal should be conducted before the breeding season (generally between March 1 and September 1) so that nesting birds would not be present in the construction area during construction activities. If any birds nest in the project vicinity under pre-existing construction conditions, then it is assumed that they are habituated (or will habituate) to the construction activities. Under this scenario, the preconstruction survey described previously should still be conducted on or after March 1 to identify any active nests in the vicinity.</p> <p>Active sites should be monitored by a wildlife biologist periodically until after the breeding season or after the young have fledged (usually late June to mid-July). If active nests are identified on or immediately adjacent to the project site, then all nonessential construction activities (e.g., equipment storage and meetings) should be avoided in the immediate vicinity of the nest site, but the remainder of construction activities may proceed. If any burrowing owl or Swainson's hawk nests are found at any time of the year, project activities shall immediately be halted within 250 feet of any such nest and CDFW shall be contacted. Based on the input of CDFW, additional minimization measures may be required to avoid impacts to nesting burrowing owls and Swainson's hawks. The removal of any Swainson's hawk nest would only occur outside of the species nesting season and with approval from CDFW.</p>				
Cultural Resources				
<p>Mitigation Measure CULT-1: Proper Handling of Inadvertent Discovery of Cultural and Paleontological Resources.</p> <p>If cultural resources are encountered during proposed Regional Project construction, construction shall be halted immediately in the subject area and a qualified professional archaeologist shall be consulted. Prehistoric resources may include chert or obsidian flakes, projectile points, mortars and pestles, dark friable soil containing shell and bone dietary debris, and heat-affected rock. Historic resources may include stone or wood foundations or walls, structures or remains with square nails, and refuse deposits.</p> <p>If any paleontological resources (i.e., fossils) are found during proposed Regional Project construction, construction shall be halted immediately in the subject area and LiSWA shall be immediately notified. A qualified paleontologist shall be retained to evaluate the find and recommend appropriate treatment of the inadvertently discovered paleontological resources. The appropriate treatment of inadvertently discovered paleontological resources shall be implemented to ensure that the impacts to these resources are avoided.</p>	<p>LiSWA would ensure the appropriate treatment for any discovery of pre-historic, historic, or paleontological resources during construction.</p>	<p>During all ground disturbing activities.</p>	<p>If any find is determined to be significant, representatives of LiSWA and a qualified archaeologist or paleontologist (if a paleontological resource is discovered) would meet to determine the appropriate avoidance measures or other appropriate mitigation in accordance with the General Plans Goals and Policies described in Section 3.15.1.3 above. All significant cultural materials and paleontological resources recovered shall be subject to scientific analysis, professional museum curation, and a report prepared by the qualified archaeologist or paleontologist (if a paleontological resource is discovered) according to current professional standards. A report shall be kept on file with LiSWA.</p>	<p>The proper recording, evaluation, and treatment of any newly identified pre-historic, historic, or paleontological resources.</p>
<p>Mitigation Measure CULT-2: Proper Handling of Inadvertent Discovery of Human Remains</p> <p>If human remains are encountered, work shall halt in the vicinity and the County Coroner shall be notified immediately pursuant to PRC Section 7050.5. At the same time, an archaeologist shall be contacted to evaluate the situation. If human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission (NAHC) within 24 hours of this identification. The NAHC shall identify the person or persons it believes to be the most likely descendent (MLD) from the deceased Native American. The MLD shall have an opportunity to make a recommendation to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in PRC Section 5097.98. (See General Plan Policy 6.10 as described in Section 3.15.1.3 above).</p>	<p>LiSWA and the Placer County Coroner would insure the appropriate treatment for any discovery of any human remains during construction.</p>	<p>During all ground disturbing activities.</p>	<p>The recording and evaluation of any newly identified human remains shall be conducted by qualified professional archaeologists and a report shall be kept on file with LiSWA.</p>	<p>The proper recording, evaluation, and treatment of any newly identified human remains.</p>

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Mitigation Measure	Responsible Party	Monitoring Timing	Monitoring and Reporting Program	Standards for Success
<p>Mitigation Measure CULT-3: Pre-Construction Cultural Resource Awareness Training and Cultural Resource Construction Monitoring.</p> <p>A professional who meets the Secretary of the Interior's Professional Qualifications Standards for Archaeology shall conduct a pre-construction training of all construction personnel involved in any ground disturbing construction activity for the entire project. Construction personnel shall be informed of the possibility of buried cultural resources and/or human remains anywhere within the proposed Regional Project APE and the protocol to be followed if a cultural resource is encountered.</p> <p>Areas identified as having a high likelihood of buried archaeological shall require monitoring. A qualified archaeologist shall monitor proposed Regional Project construction activities in areas of high sensitivity for buried archaeological deposits within the Project APE.</p>	LiSWA to ensure that a qualified archaeologist is present for pre-construction cultural resource awareness training and construction monitoring in sensitive areas for buried archaeological deposits.	A qualified archaeologist shall be obtained prior to construction. Pre-construction cultural resource awareness training shall take place prior to construction. Monitoring shall occur during any construction activities that take place in sensitive areas for buried archaeological deposits.	A monitoring report shall be completed by the archaeologist conducting the cultural resource construction monitoring. This report shall include a brief summary of the pre-construction cultural resource awareness training. All monitoring reports shall be kept on file with LiSWA.	The prevention of any unknown cultural resources from being destroyed by proposed Regional Project construction without proper handling and documentation.
Hazards and Hazardous Materials				
<p>Mitigation Measure HAZ-2: Prepare Fire Suppression and Control Plan</p> <p>The selected construction contractor shall be required to coordinate with the local fire chiefs to ensure a fire control plan is prepared and implemented to reduce the risk of fires being created during the proposed Regional Project. The fire prevention and control plan shall include: requirements for on-site extinguishers, defined roles and responsibilities of the county and cities and the contractor, specifications for fire suppression equipment, and other critical fire prevention and suppression items.</p>	LiSWA shall ensure the selected construction contractor prepares a fire prevention and control plan.	Prior to construction.	The plan shall be developed by the construction contractor and a copy shall remain on file at LiSWA. In the event of any burn, the construction contractor shall prepare an event report and submit it to the appropriate local agency.	Fire prevention and adherence to plan conditions and fire prevention techniques.
Public Services and Utilities				
<p>Mitigation Measure PUB-1: Reduction in Solid Waste Generated from Construction Activities.</p> <p>The Contractor shall implement construction methods that produce less waste, or that produce waste that could more readily be recycled or reused to meet the County's Integrated Waste Management Plan. Demolition and/or excess construction materials shall be separated onsite for reuse/recycling or proper disposal. To comply with the County's implementation of the Cal Green code requirements, the Contractor shall submit a waste management plan to the County prior to construction which shall detail plans to divert at least 50% of construction and demolition waste from landfills.</p>	LiSWA	During Construction	County inspector, LiSWA inspector, and resident engineer shall monitor implementation of mitigation measures during construction.	Compliance with AB 939 and SB 1016.
Transportation and Traffic				
<p>Mitigation Measure TRANS-1: Prepare and Implement a Traffic Control Plan.</p> <p>Traffic Control Plans shall be prepared by a licensed Civil or Traffic Engineer in the State of California to assure adequate safety and minimal interruption to traffic flow.</p> <p>The Contractor shall prepare and implement a Traffic Control/Traffic Management Plan subject to approval by the Placer County Department of Public Works prior to construction in County public road ROW. The traffic control plan shall be submitted to the Placer County Department of Public Works no less than 45 days prior to construction in the County public road ROW. The traffic control plan shall be prepared in accordance with professional traffic engineering standards and in compliance with Placer County's encroachment permit requirements. The traffic control plan may include, but not be limited to, the following measures:</p> <ul style="list-style-type: none">Identify all access and parking restriction, pavement markings and signage requirements (e.g., speed limit, temporary loading zones).Identify specific construction methods to maintain traffic flows on affected streets.Maintain the maximum amount of travel lane capacity during non-construction periods and provide flagger control at sensitive sites to manage traffic control and flows.Limit the construction work zones to widths that, shall maintain alternate one-way traffic flow past the construction zones.Limit one-way traffic control and rolling closures to off-peak hours (8:30 am to 3:30 pm).	LiSWA would require that the contractor prepare and implement a Traffic Control/Traffic Management Plan during all phases of construction that have the potential to disrupt normal flow of traffic.	The traffic control plan shall be approved by the County prior to construction and implemented during construction.	LiSWA and the County shall monitor implementation of the mitigation measure during construction. Approval of Utility permits by Placer County Engineering and Surveying Division (ESD) for all phases of work within County Maintained roadways/ROW.	Safe, efficient travel in the project vicinity with minimal traffic delays.

LISWA WASTEWATER TREATMENT RECLAMATION FACILITY IMPROVEMENTS PROJECT
MITIGATION, MONITORING, AND REPORTING PROGRAM

Mitigation Measure	Responsible Party	Monitoring Timing	Monitoring and Reporting Program	Standards for Success
<ul style="list-style-type: none">Post advanced warning of construction activities to allow motorists to select alternative routes in advance.Prepare appropriate warning signage and lighting for construction zones.Require construction crew vehicles to park within designated staging areas.Maintain steel trench plates at construction sites to restore access across open trenches to minimize disruption of access to driveways and adjacent land uses. Construction trenches in the street shall not be left open after work hours.Restore streets disturbed by the proposed Regional Project to their original condition or better, and sweep the roads at the end of each day.Require coordination of all construction activities with local emergency service providers at least one month in advance. Emergency service providers shall be notified of the timing, location, and duration of construction activities. All roads shall remain passable to emergency service vehicles at all times.Notify local recreational cycling groups of proposed construction routes and timing, including alternate routes to avoid construction activities.Require coordination of all construction activities with local emergency service providers at least one month in advance. Emergency service providers shall be notified of the timing, location, and duration of construction activities. All roads shall remain passable to emergency service vehicles at all times.Coordinate with Caltrans during construction since Caltrans may have projects planned for 2013-2014 that may route/detour traffic from SR 193 to the rural roadways affected by the Regional Project pipeline installation. Construction timing and coordination with Caltrans shall be necessary so that the proposed detours shall allow through traffic an alternative route. <p>As described above, wherever possible, the Contractor shall leave one full lane of traffic open. If not possible, the closures shall be limited to necessary areas, shall not include portions of roadway with intersecting driveways without option for one-way traffic for residents, and shall be scheduled during periods of low traffic (e.g. summer months) and non-peak traffic hours. Close coordination with the County through the Traffic Control Plan process shall reduce the significance levels to less than significant.</p>				
Mitigation Measure TRANS-2: Inform the Public of Lane Closures and Detours. The County shall inform the public of scheduled lane closures and/or detours through public outreach such as attendance at the Municipal Advisory Council (MAC) and postings in the local newspapers. Proper signage shall be used to direct traffic as identified through the traffic control plan.	Placer County	Prior to and during construction	The County shall monitor implementation of the mitigation measure during construction.	Safe, efficient travel in the project vicinity with minimal delays and minimal to no public complaints.
Wildfire				
Mitigation Measure HAZ-2: See Hazards and Hazardous Materials				

5.0 REFERENCES

City of Lincoln. 2006. City of Lincoln General Plan. Draft Environmental Impact Report, Volume I.

City of Lincoln. 2008. City of Lincoln General Plan 2050. <https://www.lincolncalifornia.gov/en/business-and-development/general-plan-2050.aspx>. Accessed June 2025.

Placer County. 2011. Placer County Conservation Plan.
<https://wildlife.ca.gov/Conservation/Planning/NCCP/Plans/Placer-County>. Accessed July 2025.

Stantec (Stantec Consulting Services Inc.). 2024. LiSWA WWTRF Phase 1 Improvements Project Basis of Design Report. Prepared by Stantec Consulting Services Inc. for the City of Lincoln.

Stantec (Stantec Consulting Services Inc.). 2013. Midwestern Placer Regional Sewer Project Environmental Impact Report.