

Sewerage Commission-Oroville Region: Ruddy Creek Pump Station Project Mitigation Monitoring & Reporting Program

Impact #	Impact	Mitigation Measure	Implementing/ Monitoring Responsibility	Timing/ Schedule	Verification Responsibility
1. AESTHETICS					
1d	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area	Mitigation Measure 1A: Minimize light and glare from light fixtures. All external light fixtures shall be designed to minimize light spillage and glare, including the use of shielding devices to orient the light downward and reduce glare, and low intensity lights to reduce light spillage. This mitigation shall be incorporated into construction documents for the project.	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to issuance of building permits	SC-OR
2. AGRICULTURE AND FORESTRY RESOURCES					
N/A					
3. AIR QUALITY					
3d	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	Mitigation Measure 3A: Reduce Fugitive Dust during Construction. The following are the minimum mitigation measures designed to help reduce project fugitive dust related to construction and shall be included as a note on all plans prior to issuance of all grading permits. Failure to perform the following measures could result in a violation of BCAQMD's Rules 200 and 205. "Nuisance" and "Fugitive Dust", respectively.	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to issuance of grading permits	<ul style="list-style-type: none"> • SC-OR • BCAQMD
3d	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	Mitigation Measure 3B: Reduce Emissions During Construction. The following are the minimum mitigation measures designed to help reduce project emissions related to construction, which shall be included as a note on all plans prior to issuance of all grading, improvement, and building permits. In addition to these measures, all statewide air pollution control regulations shall be followed, including diesel regulations (which may be accessed at www.arb.ca.gov/diesel/diesel.htm). 1. At least 50% of the mobile off-road construction	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to issuance of grading permits	<ul style="list-style-type: none"> • SC-OR • BCAQMD

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		<p>equipment in use at any time on the project shall be equipped with Tier 1 engines (or cleaner).</p> <p>2. All architectural coatings shall comply with the California Air Resources Board's 2007 Suggested Control Measure for Architectural Coatings (available at www.arb.ca.gov/coatings/arch/Approved_2007_SCM.pdf).</p> <p>3. Construction equipment idling times shall be minimized either by shutting equipment off when not in use, or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]) and all construction equipment shall also be maintained and properly tuned in accordance with manufacturer's specifications." Clear signage shall be provided for construction workers at all access points.</p> <p>4. The applicant shall use reasonable precautions to minimize dust generation. Reasonable precautions may include watering exposed soils, as well as any stockpiled material, and limiting traffic speeds. Such methods shall be noted on improvement plans prior to approval.</p>			
4. BIOLOGICAL RESOURCES					
4b,c	<p>Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?</p> <p>Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct</p>	<p>Mitigation Measure 4A: Obtain a Streambed Alteration Agreement from California Department of Fish and Wildlife and Implement Its Conditions. The applicant shall obtain a Streambed Alteration Agreement from the California Department of Fish and Wildlife prior to any ground disturbance.</p>	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	<p>Prior to ground disturbance</p>	<ul style="list-style-type: none"> • SC-OR • CFDW

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	removal, filling, hydrological interruption, or other means?				
4b,c	<p>Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?</p> <p>Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p>	<p>Mitigation Measure 4B: Provide Copies of Permit Conditions/Mitigation Measures to Contractors. To ensure the proper and timely implementation of all mitigation measures contained in this report, as well as the terms and conditions of any other required permits, the applicant shall distribute copies of these mitigation measures and any other permit requirements to the contractors prior to grading and construction, and these measures shall be incorporated into construction documents, including grading and building plans as applicable.</p>	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to issuance of grading and building permits	<ul style="list-style-type: none"> • SC-OR • CDFW
4b,c	<p>Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?</p> <p>Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p>	<p>Mitigation Measure 4C: Implement Best Management Practices (BMPs) During Construction. To protect water quality and aquatic life in downstream aquatic resources, the contractor shall implement the following BMPs during construction, which shall also be shown as a note on all improvement and grading plans:</p> <ol style="list-style-type: none"> 1. Disruption of soils and native vegetation shall be minimized to limit potential erosion and sedimentation; disturbed areas shall be graded to minimize surface erosion and siltation; bare soils shall be immediately stabilized and revegetated. Seeded areas shall be covered with broadcast straw or mulch. 2. If straw is used for erosion control, only certified weed-free straw shall be used to minimize the risk of introducing noxious weeds such as yellow star thistle. 3. The contractor shall exercise every reasonable precaution to prevent contamination of the project area with spilled 	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to issuance of grading and building permits	<ul style="list-style-type: none"> • SC-OR • CDFW

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		<p>fuels, oils, bitumen, calcium chloride, and other harmful materials. Contamination of the project area soils from construction byproducts and pollutants such as oil, cement, and wash water shall be minimized. Drip pans or absorbent pads should be used during vehicle and equipment maintenance work that involves fluids. All construction debris and associated materials and litter shall be removed from the work site immediately upon completion.</p> <p>4. To minimize erosion, development runoff shall not be discharged directly across steep slopes. Runoff shall instead be directed through energy dissipaters constructed at discharge points to reduce flow velocity and prevent erosion.</p>			
4d	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?	<p>Mitigation Measure 4D: Nesting raptors and migratory birds. The following note shall be added to all improvement/grading/construction plans and the measures implemented as noted:</p> <p>Impacts to nesting raptors and migratory birds can be avoided by removing vegetation before the start of the nesting season, or delaying removal until after the end of the nesting season.</p> <p>a) Tree removal and construction shall not take place during the breeding season (March 1 –July 31), unless supported by a report from the qualified biologist verifying that birds, including raptors, are not nesting in the trees proposed for removal or disturbance.</p> <p>b) If construction is to take place during the nesting season (March 1 - August 31), including any ground disturbance, preconstruction surveys for nesting raptors and migratory birds shall be conducted within 7 days prior to the beginning of construction activities by a California Department of Fish and Wildlife (CDFW)-approved biologist and in accordance with California and Federal requirements. If active nests are found, a buffer (protected area surrounding the nest, the size of which is to be</p>	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to issuance of grading and building permits	<ul style="list-style-type: none"> • SC-OR • CDFW

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		<p>determined by a qualified biologist) and monitoring plan shall be developed. Nest locations shall be mapped and submitted, along with a report stating the survey results, to the Nevada County Planning Department within one week of survey completion.</p> <p>c) An additional survey shall be required if periods of construction inactivity (e.g., gaps of activity during grading, tree removal, road building, or structure assembly) exceed a period of two weeks, an interval during which bird species, in the absence of human or construction-related disturbances, may establish a nesting territory and initiate egg laying and incubation.</p> <p>d) Any trees containing non-active nests that must be removed as a result of development shall be removed during the non-breeding season. However, the project proponent shall be responsible for offsetting the loss of any nesting trees. The project proponent and biologist/monitor shall consult with CDFW and the extent of any necessary compensatory mitigation shall be determined by CDFW. Previous recommended mitigation for the loss of nesting trees has been at a ratio of three trees for each nest tree removed during the non-nesting season.</p>			
5. CULTURAL RESOURCES					
5a-c	<p>Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5</p> <p>Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5</p> <p>Disturb any human remains, including those interred outside</p>	<p>Mitigation Measure 5A: Halt Work if Subsurface Deposits Encountered. If subsurface deposits believed to be cultural, human, or paleontological in origin are discovered during construction, all work shall halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior’s Professional Qualification Standards for pre-contact and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find: (If the professional archaeologist</p>	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	<p>If needed during construction</p>	<ul style="list-style-type: none"> • SC-OR • Butte County Coroner • MLD

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	of dedicated cemeteries	<p>determines that the find does not represent a cultural resource, work may resume immediately, and no agency notifications are required.)</p> <p>a. Archaeological Resources. If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify SC-OR who shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be a Historical Resource under CEQA. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either: 1) is not a Historical Resource under CEQA; or 2) that the treatment measures have been completed to their satisfaction.</p> <p>b. Human or Potentially human remains. If the find includes human remains, or remains that are potentially human, the archaeologist shall ensure reasonable protection measures are taken to protect the discovery from disturbance (AB 2641). The archaeologist shall notify the Butte County Coroner (per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the Coroner will notify the NAHC, who then will designate a Native American Most Likely Descendant (MLD) for the project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC may mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the</p>			

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		remains where they will not be further disturbed (§ 5097.98 of the PRC). This shall also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.			
6.	ENERGY				
N/A					
7.	GEOLOGY AND SOILS				
N/A		(Same as Mitigation Measure 4C)			
8.	GREENHOUSE GAS EMISSIONS				
N/A		(Same as Mitigation Measure 4C)			
9.	HAZARDS AND HAZARDOUS MATERIALS				
N/A					
10.	HYDROLOGY AND WATER QUALITY				
		(Same as Mitigation Measure 4C)			
11.	LAND USE AND PLANNING				
N/A					
12.	MINERAL RESOURCES				
N/A					
13.	NOISE				
13a	Generation of a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies	Mitigation Measure 13A. Limit construction work hours to 7AM to 7PM: During grading and construction, work hours shall be limited from 7AM to 7PM, Monday through Saturday. Prior to issuance of grading, improvement, and building permits, plans shall reflect hours of construction.	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of 	During construction	SC-OR

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			measure during construction		
14. POPULATION AND HOUSING					
N/A					
15. PUBLIC SERVICES					
N/A					
16. RECREATION					
N/A					
17. TRANSPORTATION/TRAFFIC					
17c,e	Substantially increase hazards due to a geometric design feature (e.g., a sharp curve or dangerous intersection) or incompatible uses (e.g., farm equipment)? Result in an increase in traffic hazards to motor vehicles, bicyclists, or pedestrians, including short- term construction and long-term operational traffic?	Mitigation Measure 17A. Obtain an encroachment permit from Caltrans. Prior to any project construction activities, the construction contractor shall obtain an Encroachment Permit from Caltrans, and shall comply with the terms of the Encroachment Permit throughout construction.	<ul style="list-style-type: none"> • SC-OR for inclusion of mitigation measure in grading and building permits • Construction contractor for inclusion of measure in construction documents and implementation of measure during construction 	Prior to construction	<ul style="list-style-type: none"> • SC-OR • Caltrans
18. TRIBAL CULTURAL RESOURCES					
N/A		(Same as Mitigation Measure 5A)			
19. UTILITIES AND SERVICE SYSTEMS					
N/A					
20. WILDFIRE					
N/A					