Bonita Elementary School Drinking Water Improvements Project

Mitigation Monitoring and Reporting Program

prepared by

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Mitigation Monitoring and Reporting Program

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the Final Initial Study - Mitigated Negative Declaration, specifications are made herein that identify the action required and the monitoring that must occur. For all mitigation measures, Santa Maria-Bonita School District (SMBSD) is the agency responsible for implementation and oversight.

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Compliance Verification Initial	Compliance Verification Date
Air Quality					
AQ-1 Santa Barbara County Air Pollution Control District (SBCAPCD) Fugitive Dust Control Measures					
SMBSD shall require the project contractor(s) to implement the following fugitive dust control measures during construction activities: ▪ During construction, water trucks or sprinkler systems shall be used to keep all areas of vehicle movement damp enough to prevent dust from leaving the site and from exceeding SBCAPCD's limit of 20 percent opacity for greater than three minutes in any 30-minute period. At a minimum, this shall include wetting down such areas in the late morning and after work is completed for the day. Increased watering frequency shall be required whenever the wind speed exceeds 15 miles per hour. Reclaimed water shall be used whenever feasible. However, reclaimed water shall not be used in or around crops for human consumption. ▪ The amount of disturbed area shall be minimized. ▪ On-site vehicle speeds shall be no greater than 15 miles per hour when traveling on unpaved surfaces. ▪ A track-out prevention device shall be installed and operated where vehicles enter and exit unpaved roads onto paved streets. The track-out prevention device can include any device or combination of devices that are effective at preventing track out of dirt such as gravel pads, pipe-grid track-out control devices, rumble strips, or wheel washing systems. ▪ If stockpiling of material is involved, soil stockpiled for more than one day shall be covered, kept moist, or treated with soil binders to prevent dust generation.	1. Include fugitive dust control measures in construction contractor specifications 2. Field verify compliance with fugitive dust control measures	1. Prior to issuance of construction bid package(s) 2. During construction	1. Once 2. Periodically		

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▪ After clearing, grading, earth moving or excavation is completed, the disturbed area shall be treated by watering, or using roll-compaction, or revegetating, or by spreading soil binders until the area is paved or otherwise developed so that dust generation will not occur. All driveways and sidewalks to be paved/surfaced shall be completed as soon as feasible. ▪ The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust off site. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the SBCAPCD prior to the start of project construction activities. ▪ The project contractor(s) shall comply with SBCAPCD Rule 345: Control of Fugitive Dust from Construction and Demolition Activities, including all applicable standards and measures therein.					
Biological Resources					
BIO-1 Worker Environmental Awareness Program Training					
Prior to commencement of project construction activities, a qualified biologist shall provide a Worker Environmental Awareness Program training for all construction personnel. At a minimum, the training shall include a description of the biology of the California red-legged frog and its habitats; the specific measures that are being implemented to avoid this species; the guidelines that must be followed by all construction personnel to avoid take of this species; and the boundaries within which the project may be accomplished. The qualified biologist shall appoint a designated person (e.g., the crew foreman) who will be responsible for ensuring all crewmembers comply with	1. Retain a qualified biologist to provide Worker Environmental Awareness Training to construction personnel 2. Review the training materials for consistency with the requirements of MM BIO-1 3. Require attendance of all construction personnel	1. Prior to commencement of project construction 2. Prior to commencement of project construction 3. Prior to commencement of project construction 4. During construction	1. Once 2. Once 3. Once prior to commencement of construction and periodically if new personnel are required		

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the guidelines. The training shall be conducted for all new personnel before they can participate in construction activities.	associated with the project at the training 4. Maintain a record of trained personnel		4. Periodically		
BIO-2 Pre-Construction Surveys					
A qualified biologist familiar with California red-legged frog shall conduct a pre-construction survey of the project site within 48 hours prior to the start of construction. If California red-legged frog are encountered during the survey or at any time during project construction, activities shall cease and the USFWS shall be notified to determine how to proceed. No work shall continue until authorized by the United States Fish and Wildlife Service.	1. Retain a qualified biologist to conduct pre-construction surveys for California red-legged frog 2. Review survey results 3. If California red-legged frog are present, notify United States Fish and Wildlife Service and require contractor(s) to cease activities until authorized by United States Fish and Wildlife Service	1. Within 48 hours prior to the start of construction 2. Prior to commencement of construction 3. During construction, as needed	1. Once 2. Once 3. As needed		
BIO-3 Construction Site Best Management Practices					
The following construction site best management practices shall be implemented during construction activities: ▪ Work shall be conducted during dry weather conditions (days with less than 0.1 inch of predicted rainfall) and shall not occur within 48 hours after a rain event of 0.1 inch or more. ▪ All vehicles and equipment shall be in good working condition and free of leaks. A spill prevention plan shall be established in the event of a leak or spill. ▪ The number of access routes, numbers and sizes of staging areas, and the total area of the activity shall be limited to the minimum necessary to achieve the	1. Include best management practices requirements in construction contractor specifications 2. Field verify compliance with best management practices	1. Prior to issuance of construction bid package(s) 2. During construction	1. Once 2. Periodically		

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goal of project. Routes and boundaries shall be clearly demarcated. ▪ All areas outside of the project perimeter fence shall be designated as Environmentally Sensitive Areas where no construction activities shall occur. ▪ Water shall not be impounded in a manner that may attract California red-legged frog. ▪ No pets or firearms shall be permitted on site. ▪ All food-related trash shall be disposed of in closed containers and removed from the project at least twice per week during the construction period to avoid attracting predators. ▪ Open excavations shall be covered at the end of each day and inspected for California red-legged frog prior to backfilling.					
BIO-4 Avoidance and Minimization Measures for Nesting Birds					
Project-related activities shall occur outside of the bird breeding season (February 1 to August 31) to the extent practicable. If construction must occur within the bird breeding season, then no more than two weeks prior to initiation of ground disturbance and/or vegetation removal, a nesting bird pre-construction survey shall be conducted by a qualified biologist within the disturbance footprint plus a 100-foot buffer (300 feet for raptors), where accessible. If project construction is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be conducted prior to each phase of construction, if occurring during the bird breeding season. The pre-construction nesting bird survey shall be conducted during the time of day when birds are active and shall factor in sufficient time to perform the survey adequately and completely. A report of the nesting bird survey results, if applicable, shall be submitted to the	1. Schedule construction activities to commence outside the bird breeding season (February 1 to August 31) if feasible 2. If project construction commences within the bird breeding season (February 1 to August 31), retain a qualified biologist to conduct a pre-construction nesting bird survey 3. Review and approve survey results 4. Field verify compliance with any avoidance requirements, as needed	1. Prior to the start of construction 2. No more than 14 days prior to initial site disturbance if occurring between February 1 and August 31 3. Prior to commencement of initial site disturbance, if occurring between February 1 and August 31 4. During construction, as needed	1. Once 2. Once 3. Once 4. As needed		

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SMBSD for review and approval within two weeks of survey completion. If nests are found, their locations shall be flagged. An appropriate avoidance buffer ranging in size from 25 to 50 feet for passerines, and up to 300 feet for raptors, depending upon the species and the proposed work activity, shall be determined and demarcated by a qualified biologist with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until it has been determined the nest is no longer being used by either the young or adults. No ground disturbance shall occur within this buffer until the qualified biologist confirms the breeding/nesting is complete and all the young have fledged. If project activities must occur within the buffer, they shall be conducted at the discretion of the qualified biologist. If no nesting birds are observed during pre-construction survey, no further action is necessary.					
Cultural Resources					
CR-1 Unanticipated Discovery of Archeological Resources					
In the event archaeological resources are unexpectedly encountered during ground-disturbing activities, work within 50 feet of the find shall halt, and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983) shall be contacted immediately to evaluate the resource. If the resource is determined by the qualified archaeologist to be prehistoric, then a Native American representative shall also be contacted to participate in the evaluation of the resource. If the qualified archaeologist and/or Native American representative determines it to be appropriate, archaeological testing for California Register of Historical Resources eligibility shall be completed. If the resource proves to be eligible for the	1. If archaeological resources are encountered, halt work within 50 feet of the find and contact an archaeologist immediately to evaluate the find 2. If the find is prehistoric and/or of Native American origin, contact a Native American representative to	During ground-disturbing activities, as needed and if archaeological resources are identified	As needed		

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California Register of Historical Resources and significant impacts to the resource cannot be avoided via project redesign, a qualified archaeologist shall prepare a data recovery plan tailored to the physical nature and characteristics of the resource, per the requirements of California Environmental Quality Act Guidelines Section 15126.4(b)(3)(C). The data recovery plan shall identify data recovery excavation methods, measurable objectives, and data thresholds to reduce any significant impacts to cultural resources. Pursuant to the data recovery plan, the qualified archaeologist and Native American representative, as appropriate, shall recover and document the scientifically consequential information that justifies the resource's significance. The SMBSD shall review and approve the treatment plan and archaeological testing as appropriate, and the resulting documentation shall be submitted to the Central Coast Information Center pursuant to California Environmental Quality Act Guidelines Section 15126.4(b)(3)(C).	participate in the evaluation of the find 3. If the find is deemed significant, retain a Native American representative to participate in the evaluation of the find 4. If the find is deemed significant, review and approve additional work for evaluation and data recovery efforts and to mitigate any impacts to eligible resources				
Hazards and Hazardous Materials					
HAZ-1 Limited Soils Assessment					
Prior to the start of construction, SMBSD shall retain a qualified consultant (i.e., Professional Geologist [PG] or Professional Engineer [PE]) to conduct a limited soils assessment that includes soil sampling and analysis for aerially-deposited lead, pesticides, and arsenic within the unpaved portions of the project site along State Route 166, Black Road, and Bonita School Road proposed for ground disturbance. The PG or PE shall prepare a subsurface investigation report, which will be submitted to SMBSD for review and approval. As part of the subsurface investigation, analytical results shall be screened against the most recent San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESL) for direct exposure of	1. Retain a qualified consultant to conduct a limited soils assessment within the unpaved portions of the project site along State Route 166 2. Review subsurface investigation report 3. Implement the report recommendations and worker protections if contaminants are	1. Prior to the commencement of construction 2. Prior to the commencement of construction 3. Prior to and during construction	1. Once 2. Once 3. As needed		

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construction workers and hazardous waste screening thresholds for contaminants in soil (California Code of Regulations Title 22, Section 66261.24). The subsurface investigation report shall include recommendations to address identified hazards and indicate when to apply those recommended actions in relation to project construction activities. If contaminants are detected at the project site, SMBSD shall implement the recommendations specified in the subsurface investigation report, and appropriate steps shall be undertaken by SMBSD to protect site workers during project construction, pursuant to Mitigation Measures HAZ-2 and HAZ-3.	detected, pursuant to MMs HAZ-2 and HAZ-3				
HAZ-2 Site Management Plan					
If the subsurface investigation conducted under Mitigation Measure HAZ-1 identifies contaminants are present within the construction limits at chemical concentrations exceeding ESLs for direct exposure of construction workers and/or hazardous waste screening thresholds for contaminants in soil, SMBSD shall retain a qualified consultant (i.e., PG or PE) to prepare a Site Management Plan (SMP) prior to commencement of ground-disturbing activities along SR 166, Black Road, and Bonita School Road. The SMP shall address: ▪ On-site handling and management of impacted soils if such soils or impacted wastes are encountered, and ▪ Specific actions to reduce hazards to construction workers and off-site receptors during construction. The SMP shall establish remedial measures and/or soil management practices to ensure construction worker safety and prevent the off-site migration of contaminants from the project site. These measures and practices may include, but are not limited to:	1. Retain a qualified consultant to prepare an SMP 2. Review SMP for consistency with the requirements of MM HAZ-2 3. Include requirement to implement the SMP in construction contractor specifications 4. Field verify compliance with the SMP	1. Prior to commencement of ground-disturbing activities, if contaminants are detected at the project site during the limited soils assessment conducted pursuant to MM HAZ-1 2. Prior to commencement of ground-disturbing activities 3. Prior to issuance of construction bid package(s) 4. During ground-disturbing activities	1. Once 2. Once 3. Once 4. Periodically		

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▪ Stockpile management, including stormwater pollution prevention and the installation of Best Management Practices ▪ Proper transportation and disposal procedures of impacted materials in accordance with applicable regulations, including California Code of Regulations Title 22 ▪ Monitoring and reporting ▪ A health and safety plan for contractors working at the project site that addresses the safety and health hazards of each phase of project site construction activities with the requirements and procedures for employee protection and outlines proper soil handling procedures and health and safety requirements to minimize worker and public exposure to hazardous materials during construction. SMBSD shall review and approve the SMP prior to the commencement of ground-disturbing activities along State Route 166, Black Road, and Bonita School Road. SMBSD shall require its construction contractor(s) to implement the SMP during all ground-disturbing activities along State Route 166, Black Road, and Bonita School Road.					
HAZ-3 Impacted Soil Disposal					
If the subsurface investigation conducted under Mitigation Measure HAZ-1 identifies contaminants are present within the construction limits at chemical concentrations exceeding ESLs for direct exposure of construction workers and/or hazardous waste screening thresholds for contaminants in soil, SMBSD shall retain a qualified consultant (i.e., PG or PE) to properly delineate and dispose of the contaminated soil. The qualified consultant (i.e., PG or PE) shall utilize the project site analytical results for waste characterization purposes prior to off-site	1. Retain a qualified consultant to delineate and dispose of the contaminated soil 2. Review and approve disposal recommendations	1. Prior to commencement of ground-disturbing activities, if contaminants are detected at the project site during the limited soils assessment conducted pursuant to MM HAZ-1	1. Once 2. Once		

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transportation or disposal of potentially impacted soils or other impacted wastes. The qualified consultant (i.e., PG or PE) shall provide disposal recommendations and arrange for proper disposal of the waste soils (as necessary). Proper excavation and off-site disposal or recycling of impacted soils may require additional delineation of impacts and additional analytical testing pursuant to landfill or recycling facility requirements. SMBSD shall review and approve the disposal recommendations for regulated waste prior to transport of waste soils off site.		2. Prior to transport of regulated waste soils off site			
HAZ-4 Hazardous Materials Management and Spill Control Plan					
The construction contractor(s) shall submit a Hazardous Materials Management and Spill Control Plan (HMMSCP), including a project-specific contingency plan for hazardous materials and waste operations to SMBSD for review and approval. The HMMSCP shall establish policies and procedures consistent with applicable codes and regulations, including, but not limited to, the California Building and Fire Codes, as well as regulations promulgated by the United States Department of Labor, United States Occupational Safety and Health Administration, and California Occupational Safety and Health Administration. The HMMSCP shall articulate hazardous materials handling practices to prevent the accidental spill or release of hazardous materials during project construction.	1. Review and approve HMMSCP(s) for consistency with the requirements of MM HAZ-4 2. Field verify compliance with HMMSCP requirements	1. Prior to commencement of construction activities 2. During construction	1. Once 2. Periodically		
HAZ-5 Traffic Control Plan					
SMBSD shall require the project contractor(s) to prepare and implement a traffic control plan that specifies how traffic will be safely and efficiently redirected during lane closures. All work shall comply with the Work Area Traffic Control Handbook, which conforms to the standards and guidance of the California Manual on Uniform Traffic Control Devices. Traffic control measures for lane closures shall be	1. Review and approve traffic control plan for consistency with requirements of MM HAZ-1	1. Prior to construction 2. At least one week prior to lane closures 3. During construction	1. Once 2. Once for each instance of lane closures 3. Periodically		

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included, and priority access shall be given to emergency vehicles. The traffic control plan shall also include requirements to notify local emergency response providers at least one week prior to the start of work when lane closures are required. The traffic control plan shall also include regional coordination with other construction activities that impact the surrounding State Route 166, Black Road, and surrounding streets. All construction activities shall be closely coordinated with other construction projects that are occurring, including the Bonita School Road Bridge Replacement Project, to ensure that traffic along State Route 166, Black Road, and surrounding streets remain at an acceptable level of operation during construction.	2. Verify notification of local emergency response providers 3. Field verify compliance with traffic control plan requirements				
Noise					
NOI-1 Construction Noise Reduction Measures					
SMBSD shall require its construction contractor ensure construction noise levels do not exceed 65 dBA L_{eq} at nearby sensitive receptors during construction activities. At a minimum, construction noise reduction measures shall include the following: ▪ Installation of at least 8-foot-high temporary sound barriers/blankets to break the line of sight between construction equipment and nearby residences when construction is performed within 80 feet of the residential property. The barriers shall be at least 1.5 pounds per square foot with no gaps from the ground to the top of the barrier. Alternately, if sound blankets are preferred, barriers shall be constructed with solid material with a density of at least 1 pound per square foot with no gaps from the ground to the top of the barrier and be lined on the construction side with acoustical blanket, curtain or equivalent absorptive material rated sound transmission class (STC) 32 or higher.	1. Include construction noise reduction measures in construction contractor specifications 2. Field verify compliance with construction noise reduction measures	1. Prior to issuance of construction bid package(s) 2. During construction	1. Once 2. Periodically		

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▪ To the extent consistent with applicable safety regulations, trucks operating with reverse motions alarms shall be outfitted with SAE J994 Class D or equivalent alarms (ambient-adjusting, or "smart alarms" that automatically adjust the alarm to 5 dBA above the ambient near the operating equipment). Alternatively, back-up alarms shall be switched off and replaced with human spotters in compliance with all safety requirements and laws. ▪ A construction notification sign shall be posted at the job site, clearly visible to the public, that includes permitted construction days and hours, as well as the telephone numbers of the contractor's authorized representatives that are assigned to respond in the event of a noise complaint. If the authorized contractor's representative receives a complaint, that person shall investigate, take appropriate corrective action, and report the action to the school district. SMBSD shall include these measures on the construction plans prior to beginning of construction activities. Sound barriers and construction notification signs shall be installed on the project site prior to initiation of ground-disturbance activities within 80 feet of sensitive receptors and shall be maintained throughout the duration of construction activities near sensitive receptors.					