Attachment Q

Complete MMRP with Survey Attachments

Mitigation Monitoring and Reporting Program

for the

West Bay Sanitary District Recycled Water Project – Sharon Heights

SCH#: 2015102055

Prepared for:

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Adopted

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Chapter 1 Mitigation Monitoring and Reporting Program

Mitigation measures have been identified in the Mitigated Negative Declaration (MND) for the West Bay Sanitary District (District) Recycled Water Project – Sharon Heights (Proposed Project) to reduce potential environmental impacts of the Proposed Project to less than significant levels. The District and its contractors are required to implement the adopted mitigation measures for the Proposed Project in accordance with the MND. This Mitigation Monitoring and Reporting Program (MMRP) contains a checklist and description of all adopted mitigation measures, including, the responsible parties, timing, and completion criteria.

1.1 Program Administration

The MMRP will be administered by West Bay Sanitary District. Mitigation measures will be incorporated into design and construction contracts, as appropriate, to ensure full implementation.

1.2 Project Description

WBSD proposes to construct a 0.5 mgd wastewater treatment plant (WWTP), an influent pump station and pipeline, a solids discharge pipeline back to the sewer, and a recycled water pump station and delivery pipelines within the Sharon Heights Golf Course and Country Club (SHG&CC) and along existing roadway rights-of-way (ROWs).

The objective of the project is to supply 152 AFY of recycled water to SHG&CC and 84 AFY to the SLAC National Accelerator Laboratory. The recycled water produced by this project would provide SHG&CC and SLAC with new sources of irrigation and cooling tower water. Phase Two of the project would consist of additional recycled water pipelines to serve additional customers in the vicinity of SHG&CC.

The WWTP would be operated year-round and include grit removal, fine screening, a membrane bioreactor (MBR) treatment system, UV disinfection, effluent pump station, recycled water distribution pipeline, electrical substation, waste disposal pipeline, and associated equipment and appurtenances to support the treatment facility. The influent pipeline would transport wastewater to the WWTP from an existing sewer line. The disposal pipeline would transport waste and wash water from the WWTP to the WBSD sewer system. The recycled water pipelines would transport tertiary treated recycled water to the SLAC National Accelerator Laboratory, as well as a separate tie-in to an existing irrigation pipeline to a nearby existing 2 million gallon open reservoir, located at the western edge of the SHG&CC property. The pipelines would primarily be constructed within SHG&CC property and nearby roadway ROWs.

1.3 Mitigation Monitoring Requirements

A mitigation monitoring checklist has been developed for the Proposed Project, and is intended for use by West Bay Sanitary District, as lead agency and designated monitoring entity for the Proposed Project. The checklist, presented as Table 1, summarizes the mitigation requirements for the Proposed Project, anticipates timing, and identifies responsible parties for ensuring implementation of each mitigation measure. These mitigation measures are presented using the naming conventions and categories in the MND.

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Aesthetics						
Impact 3.1-1: Potential to have a substantial adverse effect on a scenic vista or scenic resources Impact 3.1-2: Potential for substantial degradation of existing visual character or quality of the project site and surrounding areas Impact 3.10-1: Potential to conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project	**MM AES-1: Design, Vegetation, and Screening of Project Facilities.** Design of the proposed above-ground facilities (namely the WWTP) shall be compatible with surrounding neighborhood and structures. Vegetation and/or fencing shall be placed around the WWTP to provide screening if existing vegetation is deemed insufficient. Landscaping will include re-vegetation of disturbed areas to minimize contrasts with the existing vegetation and to screen facilities from surrounding neighborhoods. Proposed facilities shall be painted low-glare earth-tone colors that blend with the surrounding terrain.	West Bay Sanitary District	West Bay Sanitary District, in collaboration with City of Menlo Park	1. Confirm that visual and screening measures are incorporated into design of above-ground facilities. 2. Verify that visual and screening measures were implemented.	1. Design 2. Post-construction	1._____ 2._____
Agriculture Resources						
None	N/A	N/A	N/A	N/A	N/A	N/A
Air Quality						
Impact 3.3-1: Potential to conflict with or obstruct implementation of the applicable air quality plan Impact 3.3-2: Potential to violate any air quality standard or contribute substantially to an existing or projected air quality violation Impact 3.3-3: Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under applicable ambient air quality standard Impact 3.3-4: Potential to expose sensitive receptors to substantial pollutant concentrations	**MM AIR-1: BAAQMD Air Pollution Control Technologies.** WBSD shall direct its construction contractor to implement the "Basic Construction Mitigation Measures" and "Additional Construction Mitigation Measures" in the BAAQMD CEQA Air Quality Guidelines (2012) during construction of the Proposed Project. Air pollution control efforts shall include watering and covering exposed surfaces, minimizing idling times, maintaining and properly tuning all construction equipment, repaving/replanting disturbed surfaces as quickly as possible, and others as applicable. When available, more efficient construction equipment will be procured to minimize NOx and VOC emissions.	West Bay Sanitary District	West Bay Sanitary District	1. Confirm that air quality measures are identified and included in contract documents. 2. Monitor construction activities to verify that measures are implemented during construction.	1. Pre-construction 2. Construction	1._____ 2._____

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Biological Resources						
Impact 3.4-1: Potential to have a substantial adverse effect on any species identified as a candidate, sensitive, or special status species.	**MM BIO-1: Protection of Special Status Animals.** The following avoidance, minimization, and mitigation measures are recommended to reduce potential impacts to special status animals. *California Red-legged Frog (CRLF) and California Tiger Salamander (CTS)* 1. Prior to start of project activities, a qualified biologist shall prepare and administer a Worker Environmental Awareness Program (WEAP) training to familiarize all personnel conducting project activities with the identification and life-history of CRLF and CTS. 2. If feasible, initial ground disturbing activities and any work associated with the project shall be conducted between May 1 and October 31 during dry weather conditions to minimize the potential for encountering CRLF and CTS. Work shall be restricted to daylight hours. 3. A qualified biologist shall conduct a survey of the project area within 48 hours prior to initial ground disturbing activities. The survey area shall include all potential suitable upland habitat in the project area and suitable aquatic and upland habitat located within 50 feet of the project area. The survey shall also include identifying all mammal burrows in the project area that are suitable for CRLF and CTS. If any life stage of CRLF or CTS is found within the survey area, the biologist shall revisit the site on subsequent days to determine if the CRLF or CTS has left the site. If the CRLF or CTS has not left the site after three days, the USFWS (for CRLF and CTS) and CDFW (for CTS) shall be consulted to determine the appropriate course of action. 4. All work areas within 25 feet of suitable aquatic habitat shall be flagged for monitoring during construction activity. 5. If construction must occur between November 1 and April 30, the qualified biologist shall conduct a pre-activity clearance sweep prior to start of project activities within 48 hours after any rain events of 0.1 inch or greater or if wet conditions are present on site. 6. All trash shall be removed from the site daily and disposed of properly to avoid attracting potential predators to the site. 7. No pets shall be permitted on-site during project activities. 8. All vehicles shall be in good working condition and free of leaks. All leaks shall be contained and cleaned up immediately to reduce the potential or soil/vegetation contamination. 9. All refueling, maintenance, and staging of equipment and vehicles shall occur at least 100 feet from riparian habitat or water bodies and in a location from where a spill would not drain directly toward aquatic habitat (e.g., on a slope that drains away from the water). 10. The number of access routes, size of staging areas, and the total area of the activity shall be limited to the minimum necessary to achieve the project goals. 11. To ensure that diseases are not conveyed between work sites by the qualified biologist, the fieldwork code of practice developed by the Declining Amphibian Populations Task Force shall be followed at all times. 12. No herbicide shall be use on-site. 13. A qualified biologist shall be present on site during initial ground disturbance in portions of the project area that are suitable upland habitat for CRLF or CTS or within 25 feet of potential CRLF or CTS aquatic habitat. If any life stage of CRLF or CTS is found, work shall cease within 100	West Bay Sanitary District	West Bay Sanitary District, in consultation with CDFW and USFWS as appropriate	1. Confirm that locations of facilities avoid sensitive habitats to the extent feasible. 2. Confirm that biological protection measures are incorporated in contract documents: • CRLF and CTS: items 2, 4, 5, 6, 7, 8, 9, 10, 11, and 12 • SFGS: item 4 • WPT: item 3 3. Confirm completion and implementation of a Worker Environmental Awareness Program (WEAP) training for all four species. 4. Confirm completion of applicable pre-construction surveys. 5. Confirm that contract documents include monitor for construction activities during initial ground disturbance activities in areas identified in pre-construction surveys. 6. Monitor construction activities, as needed, to verify that measures are implemented during construction.	1. Design 2. Pre-construction 3. Pre-construction 4. Pre-construction 5. Pre-construction 6. Construction	1._____ 2._____ 3._____ 4._____ 5._____ 6._____

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
	feet of the CRLF or CTS and the USFWS and CDFW contacted immediately to determine the appropriate course of action. *San Francisco Garter Snake (SFGS)* 1. Prior to start of project activities, a qualified biologist shall conduct a WEAP training to familiarize all personnel conducting project activities with the identification and lifehistory of SFGS. 2. A qualified biologist shall conduct a survey within 48 hours of initial ground disturbing activities. The survey area shall include all potential suitable upland habitat in the project area and suitable aquatic and upland habitat located within a 100 feet of the project area. The survey shall also include identifying all mammal burrows in the project area that are suitable for SFGS. If any life stage of SFGS is found within the survey area, the biologist shall revisit the site on subsequent days to determine if the SFGS has left the site. If the SFGS has not left the site after three days, the USFWS shall be consulted to determine the appropriate course of action. 3. A qualified biologist shall be present on site during initial ground disturbance in portions of the project area that are within 25 feet of potential SFGS aquatic habitat. 4. If a SFGS is encountered, all activities within 100 feet of the snake shall cease until appropriate corrective measures have been completed or it has been determined that the snake will not be harmed. Reports of any SFGS sightings and any project-related incidental take shall be reported to the USFWS immediately by telephone at (916) 414-6600. *Western Pond Turtle (WPT)* 1. Prior to start of project activities, a qualified biologist shall conduct a WEAP training to familiarize all personnel conducting project activities with the identification and lifehistory of WPT. 2. A pre-construction survey for WPT shall be conducted in the project area, plus a 50-foot buffer, not less than two weeks prior to the initiation of construction. The survey shall include San Francisquito Creek and the golf course pond adjacent to the project area. 3. If WPT is found and these individuals are likely to be killed or injured by construction activities, a qualified biologist shall be allowed sufficient time to capture and relocate the animals from the project site before construction activities begin. A qualified biologist(s) shall relocate the individuals the shortest distance possible to a location that contains suitable habitat not likely to be affected by activities associated with the proposed project. The biologist(s) shall maintain sufficiently detailed records of any individual observed, captured, relocated, etc., including size, coloration, any distinguishing features and photographs (preferably digital) to assist him or her in determining whether translocated animals are returning to the project site.					
Impact 3.4-1: Potential to have a substantial adverse effect on any species identified as a candidate, sensitive, or special status species.	**MM BIO-2: Protection of Nesting Birds.** The following avoidance, minimization, and mitigation measures are recommended to reduce potential impacts to nesting birds. • Nesting bird surveys are not required for construction activities that occur between September 1 and January 31. If construction must occur within the bird breeding season (February 1 through August 31), then no more than two weeks prior to initiation of ground disturbance and/or vegetation removal, a nesting bird and raptor preconstruction survey shall be conducted by a qualified biologist within the disturbance footprint plus a 300-foot buffer, where feasible. If the project is phased, a subsequent pre-construction nesting bird and raptor survey shall be required prior to each phase of construction within the project site.	West Bay Sanitary District	West Bay Sanitary District, in consultation with CDFW and USFWS as appropriate	1. Confirm that locations of facilities avoid sensitive habitats to the extent feasible. 2. If construction activities occur between September 1 and January 31, confirm completion of pre-construction surveys.	1. Design 2. Pre-construction 3. Construction	1._____ 2._____

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
	• Pre-construction nesting bird and raptor surveys shall be conducted during the time of day when birds are active and shall be of sufficient duration to reliably conclude presence/absence of nesting birds and raptors onsite and within the designated vicinity. A report of the nesting bird and raptor survey results, if applicable, shall be submitted to the lead agency for review and approval prior to land use clearance for grading. • If nests are found, their locations shall be flagged. An appropriate avoidance buffer ranging in size from 25 to 50 feet for song birds, and up to 250 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 that 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 that the breeding/nesting is completed and all the young have fledged.			3. If nests are found, confirm implementation of avoidance buffer during construction.		3._____
Impact 3.4-2: Potential to conflict with local policies or ordinances protecting biological resources	**MM BIO-3: Preservation of Protected Trees.** The following avoidance, minimization, and mitigation measures are recommended to reduce potential impacts to protected trees. • Prior to the construction, an arborist or botanist shall assess potential impacts to protected trees within and adjacent to the project area, including staging areas and access routes and prepare a tree preservation plan. When feasible, the project footprint shall be modified to avoid the critical root zone (CRZ) and tree protection zone (TPZ) of protected trees. Prior to the commencement of construction activities, the TPZ of protected trees shall be identified in the field by an arborist or botanist and clearly delineated with temporary orange fencing. Construction activities and equipment shall be excluded from the TPZ. • During construction, if activities encroach on the TPZ of a protected tree, an arborist or botanist shall be consulted about whether or not the tree is likely to be impacted and whether a tree removal permit and tree replacement plan is required. Tree replacement shall be in accordance with the relevant City of Menlo Park ordinances.	West Bay Sanitary District	West Bay Sanitary District, in collaboration with City of Menlo Park	1. Confirm that locations of facilities avoid impacts to protected trees to the extent feasible 2. Confirm completion of tree assessment within and adjacent to the project area. 3. If activities encroach on the TPZ, consult with arborist or botanist to determine appropriate response. 4. Confirm implementation of TPZ avoidance buffer during construction. 5. If tree removal or replacement is needed, do so in accordance with the relevant City of Menlo Park ordinances.	1. Design 2. Pre-construction 3. Pre-construction 4. Construction 5. Construction	1._____ 2._____ 3._____ 4._____

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Cultural Resources						
Impact 3.5-1: Potential to cause a substantial adverse change in the significance of a historical resource Impact 3.5-2: Potential to cause a substantial adverse change in the significance of a unique archaeological resources	**MM CUL-1: Archaeological and Native American Monitoring.** Archaeological and Native American monitoring of all project-related ground-disturbing activities shall be performed under the direction of an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology.	West Bay Sanitary District	West Bay Sanitary District	1. Confirm that contract documents include retention of a qualified professional archaeological monitor 2. Verify that monitoring of construction excavation activities is occurring as recommended by the archaeological monitor.	1. Pre-construction 2. Construction	1._____ 2._____
Impact 3.5-1: Potential to cause a substantial adverse change in the significance of a historical resource Impact 3.5-2: Potential to cause a substantial adverse change in the significance of a unique archaeological resources	**MM CUL-2: Archaeological Resource Finds.** If archaeological resources are encountered during ground-disturbing activities, all earth disturbing work within the vicinity of the find shall be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. Evaluation of significance for the find may include the determination of whether or not the find qualifies as an archaeological site. Isolated finds typically do not qualify as historical resources under CEQA or historic properties under the National Historic Preservation Act (NHPA) and require no management consideration under either regulation. Should any resource(s) be identified, an evaluation of eligibility for the CRHR and NRHP may be required through the development of a treatment plan including a research design and subsurface testing through the excavation of test units and shovel test pits. After effects to the find have been appropriately mitigated, work in the area may resume. Mitigation of effects to the find may include a damage assessment of the find, archival research, and/or data recovery to remove any identified archaeological deposits, as determined by a qualified archaeologist. If an inadvertent archaeological or burial discovery is made within State right-of-way, all construction-related activities within 50 feet of the find shall cease and Caltrans Office of Cultural Resource Studies (OCRS), District 4 shall be immediately contacted. A staff archaeologist shall then evaluate the significance of the find within one business day of initial contact.	West Bay Sanitary District	West Bay Sanitary District	1. Confirm that contract documents include that work shall be halted in the vicinity of the find in the event that archaeological resources are unearthed during ground-disturbing activities. 2. Verify that monitoring of construction excavation activities is occurring as recommended by the archaeological monitor. 3. Confirm development and implementation of a treatment plan for resources, in coordination with archaeologist, if resources are unearthed during construction.	1. Pre-construction 2. Construction 3. Construction	1._____ 2._____ 3._____

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Impact 3.5-3: Potential to directly or indirectly destroy a unique paleontological resource or site or unique geologic feature	**MM CUL-3: Develop and Implement Paleontological Mitigation Plan.** WBSD shall develop and implement a Paleontological Mitigation Plan (PMP) following final design. The PMP should include the following components: • The PMP should be prepared by a qualified principal paleontologist (M.S. or Ph.D. in paleontology) once adequate project design information regarding subsurface disturbance location, depth and lateral extent is available. • The qualified principal paleontologist should be present at pre-construction meetings to confer with contractors who will be performing ground disturbing activities. • Paleontological monitors, under the direction of the qualified principal paleontologist, should be on site to inspect cuts for fossils at all times during original ground disturbance involving sensitive geologic formations. • When fossils are discovered, the paleontologist (or paleontological monitor) should recover them. Construction work in these areas may be halted by the Resident Engineer or diverted to allow the prompt recovery of fossils. • Fossils collected during the monitoring and salvage portion of the mitigation program should be prepared to the point of identification, sorted, and cataloged. • Prepared fossils, along with copies of all pertinent field notes, photos, and maps, should be deposited in a scientific institution with paleontological collections. • A Paleontological Mitigation Report (PMR) should be completed that outlines the results of the mitigation program. • Where feasible, selected road cuts or large finished slopes in areas with critically interesting paleontological features may be left exposed so they can serve as important educational and scientific features. This may be possible if no substantial adverse visual or safety impacts result.	West Bay Sanitary District	West Bay Sanitary District	1. Confirm that contract documents include development and implementation of a PMP. 2. Confirm completion and implementation of PMP. 3. Verify that qualified principal paleontologist has been involved in pre-construction meetings. 4. Verify that monitoring of construction excavation activities is occurring by the paleontological monitor 5. Verify that any uncovered fossils have been recovered and submitted, as directed in the PMP. 6. Confirm that a PMR has been completed	1. Pre-construction 2. Pre-construction and Construction 3. Pre-construction 4. Construction 5. Construction 6. Post-construction	1._____ 2._____ 3._____ 4._____ 5._____ 6._____
Geology, Soils, and Seismicity						
None	N/A	N/A	N/A	N/A	N/A	N/A
Greenhouse Gas Emissions						
None	N/A	N/A	N/A	N/A	N/A	N/A

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Hazards and Hazardous Materials						
Impact 3.8-1: Potential to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials Impact 3.8-2: Potential to 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 Impact 3.8-3: Potential to emit hazardous emissions or handle hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school	**MM HAZ-1: Hazardous Materials Management Spill Prevention and Control Plan.** Before construction begins, WBSD shall require its construction contractor to prepare a Hazardous Materials Management Spill Prevention and Control Plan (HMMSPCP) that includes a project-specific contingency plan for hazardous materials and waste operations. The Plan shall be applicable to construction activities, and shall establish policies and procedures according to applicable codes and regulations, including but not limited to the California Building and Fire Codes, and federal and California Occupational Safety and Health Administration (OSHA) regulations. Elements of the Plan shall include, but not be limited to the following: • A discussion of hazardous materials management, including delineation of hazardous material storage areas, access and egress routes, waterways, emergency assembly areas, and temporary hazardous waste storage areas; • Notification and documentation of procedures; and • Spill control and countermeasures, including employee spill prevention/response training.	West Bay Sanitary District	West Bay Sanitary District	1. Confirm that contract documents include Hazardous Materials Management Spill Prevention and Control Plan. 2. Confirm contractor has prepared HMMSPCP that establishes policies and procedures consistent with California Building and Fire Codes, federal and California OSHA, and other applicable codes and regulations. 3. Confirm that HMMSPCP is implemented during construction.	1. Pre-construction 2. Pre-construction 3. Construction	1._____ 2._____ 3._____
Impact 3.8-5: Potential to expose people or structures to a significant risk of loss, injury or death involving wildland fires	**MM HAZ-2: Implement Fire Safety Construction Practices.** WBSD shall require its construction contractor to implement fire safety construction practices, including but not limited to: clearing dried vegetation or other material that could ignite during construction from staging areas, welding areas, or other areas slated for construction. Construction equipment that includes a spark arrestor should be equipped in good working order. Additionally, construction crews should have a spotter during welding activities to look out for potentially dangerous situations, such as accidental sparks. Other construction equipment, including those with hot vehicle catalytic converters, should be kept in good working order and used only within cleared construction zones. Comply with the City of Menlo Park's requirement to create and maintain approved fire access to work areas, in accordance with local fire regulations. During construction of the Proposed Project, the construction contractors shall require vehicles and crews working at the project site to have access to functional fire extinguishers.	West Bay Sanitary District	West Bay Sanitary District	1. Confirm that contract documents include requirements for fire safety measures. 2. Confirm that contract documents include commitment to maintaining fire extinguishers at all construction sites 3. Verify that fire safety measures are implemented	1. Pre-construction 2. Pre-construction 3. Construction	1._____ 2._____ 3._____
Hydrology and Water Quality						
None	N/A	N/A	N/A	N/A	N/A	N/A
Land Use						
None	N/A	N/A	N/A	N/A	N/A	N/A

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Mineral Resources						
None	N/A	N/A	N/A	N/A	N/A	N/A
Noise						
Impact 3.12-1: Potential to expose persons to or generate noise levels in excess of standards established in local general plan or noise ordinances or applicable standards of other agencies Impact 3.12-2: Potential to expose persons to or generation of excessive groundborne vibration or groundborne noise levels Impact 3.12-3: Potential for a substantial temporary/periodic or permanent increase in ambient noise levels in the project vicinity above levels existing without the project Impact 3.12-4: Potential for a substantial temporary/periodic increase in ambient noise levels in the project vicinity above levels existing without the project	**MM NOI-1: Implement Noise Control Measures During Construction.** To reduce noise during construction, WBSD shall require its construction contractor to comply with the City of Menlo Park's Municipal Code §8.06.040 and implement the following noise control measures: • Limit Construction Hours. Construction hours shall be limited to times authorized under the City of Menlo Park's Municipal Code §8.06.040(a), 8:00am – 6:00pm on weekdays. • Locate Staging Areas away from Sensitive Receptors. WBSD shall require the contractor to select staging areas as far as feasibly possible from sensitive receptors. • Idling Prohibition and Enforcement. WBSD shall prohibit unnecessary idling of internal combustion engines. In practice, this would mean turning off equipment if it would not be used for five or more minutes. • Equipment Location, Mufflers, and Shielding. WBSD shall require its contractors to locate stationary noise-generating construction equipment such as air compressors and generators as far as possible from homes and businesses. Mufflers and/or temporary noise barriers shall be used as necessary to meet the City's applicable sound level limits (unless a variance has been obtained in advance from the City). Temporary walls, stockpiles of excavated materials, or moveable sound barrier curtains would be appropriate and can provide a 10 to 15 dBA reduction in noise levels. • Vibration Monitoring and Measures. WBSD shall require its contractors to conduct vibration monitoring at any residences or buildings located less than 50-feet from construction activities. Ground vibration level at the nearest residential structure to the construction site will be monitored using vibration sensor(s) or velocity transducer with adequate sensitivity capable of measuring peak particle velocity level in the frequency range of 1 Hz to 100 Hz. If the vibration level due to construction activities exceeds 0.2 inch/second, the contractor will make modifications/revisions to construction methods for approval by the City of Menlo Park. • Pre-Construction Notification. Prior to construction, written notification to residents within 500 feet of the Proposed Project segment(s) undergoing construction shall be provided, identifying the type, duration, and frequency of construction activities. Notification materials shall also identify a mechanism for residents to register complaints with WBSD if construction related noise impacts should occur.	West Bay Sanitary District	West Bay Sanitary District, in collaboration with City of Menlo Park as necessary	1. Confirm that noise and vibration reduction measures are included in the contract documents. 2. Confirm that written notification has occurred to residents within 500-feet of the Proposed Project prior to the start of construction. 3. Verify that vibration monitoring is occurring, along with modification of construction method for approval by City of Menlo Park 3. Confirm that noise and vibration reduction measures are implemented during construction.	1. Pre-construction 2. Pre-construction 3. Construction 4. Construction	1._____ 2._____ 3._____
Population and Housing						
None	N/A	N/A	N/A	N/A	N/A	N/A
Public Services and Utilities						
None	N/A	N/A	N/A	N/A	N/A	N/A
Recreation						
None	N/A	N/A	N/A	N/A	N/A	N/A

Impact Statement	Mitigation Measure	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Transportation and Traffic						
Impact 3.8-4: Potential to impair implementation of or physically interfere with an adopted emergency response or evacuation plan Impact 3.16-1: Potential to conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system Impact 3.16-2: Potential to conflict with applicable congestion management program Impact 3.16-3: Potential to result in inadequate emergency response Impact 3.16-4: Potential to conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities	**MM TRA-1: Develop and Implement Traffic Control Plan.** WBSD shall require its construction contractor to prepare a Traffic Control Plan which outlines all potential lane closures and detours, as necessary, in accordance with the latest edition of the "Manual of Uniform Traffic Control Devices for Construction and Maintenance Work Zones" issued by the State of California, Department of Transportation. Appropriate signage shall be utilized during construction to warn pedestrians, bicyclists and vehicles of any potential traffic hazards. One lane for through traffic shall be maintained on all roadways to allow access during construction.	West Bay Sanitary District	West Bay Sanitary District, in collaboration with Caltrans and City of Menlo Park	1. Confirm that contract documents include requirement for a Traffic Control Plan. 2. Confirm that Traffic Control Plan was developed in coordination with relevant emergency services providers and affected recreational facilities. 3. Confirm submittal of Traffic Control Plan to appropriate entities (City of Menlo Park and Caltrans). 4. Confirm traffic control measures were implemented during construction.	1. Pre-construction 2. Pre-construction 3. Pre-construction 4. Construction	1._____ 2._____ 3._____ 4._____
Utilities and Service Systems						
None	N/A	N/A	N/A	N/A	N/A	N/A