

**RANDALL ROAD DEBRIS BASIN**  
**Attachment A: MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Requirements	Method of Monitoring	Timing of Monitoring	Responsible Party
<b>Aesthetics/Visual Resources</b>			
<p><b>MM AES-1.</b> During the construction period, an earthen berm or fabric-covered chain-link fencing (at least eight feet high) shall be installed along the southern project site boundary to screen public views of the project site from East Valley Road.</p> <p><b>Plan Requirements and Timing:</b> The screening method and materials shall be included on the debris basin construction plans and implemented prior to any tree removals or basin excavation.</p>	<p>District staff shall inspect the site as needed to ensure the visual screening is installed and maintained; the screening shall be maintained as needed to ensure it remains functional</p>	<p>During all construction activities</p>	<p>District</p>
<b>Air Quality</b>			
<p><b>MM AQ-1.</b> The following measures shall be fully implemented during all construction and routine maintenance activities at the project site.</p> <ul style="list-style-type: none"> <li>• During construction, use water trucks or sprinkler systems to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this should include wetting down such areas in the late morning and after work is completed for the day. Increased watering frequency should be required whenever the wind speed exceeds 15 mph. Reclaimed water should be used whenever possible.</li> <li>• Minimize amount of disturbed area and reduce on site vehicle speeds to 15 miles per hour or less.</li> <li>• If importation, exportation and stockpiling of fill material is involved, soil stockpiled for more than two days shall be covered, kept moist, or treated with soil binders to prevent dust generation. Trucks transporting fill material to and from the site shall be tarped from the point of origin.</li> <li>• If wet soil or mud is present, gravel pads or rumble plates shall be installed at all access points to prevent tracking of mud onto public roads.</li> <li>• After clearing, grading, earth moving or excavation is completed, treat the disturbed area by watering, or revegetating, or by spreading soil binders until the area is paved or otherwise developed so that dust generation is minimized.</li> </ul>	<p>District staff shall conduct periodic inspections to ensure these measures are implemented by all construction and routine maintenance contractors</p>	<p>During all construction and routine maintenance activities</p>	<p>District</p>

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<b>Air Quality (Continued)</b>			
<ul style="list-style-type: none"> <li>• The contractor shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite. 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 grading/building permit issuance and/or map clearance.</li> <li>• All portable diesel-powered construction equipment shall be registered with the state’s portable equipment registration program OR shall obtain an SBCAPCD permit.</li> <li>• Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-Use Off-Road Diesel Vehicles (Title 13, California Code of Regulations (CCR), §2449), the purpose of which is to reduce NOx emissions, diesel particulate matter (DPM), and other criteria pollutant emissions from in-use off-road diesel-fueled vehicles. Project-related mobile equipment shall comply with the State Off-Road Regulation.</li> <li>• Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-Use (On-Road) Heavy-Duty Diesel-Fueled Vehicles (Title 13, CCR, §2025), the purpose of which is to reduce DPM, NOx and other criteria pollutants from in-use (on-road) diesel-fueled vehicles. On-road heavy-duty trucks shall comply with the State On-Road Regulation.</li> <li>• All commercial off-road and on-road diesel vehicles are subject, respectively, to Title 13, CCR, §2449(d)(3) and §2485, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to five minutes; electric auxiliary power units should be used whenever possible.</li> <li>• Diesel engines used to power off-road mobile equipment to conduct routine maintenance shall be certified to meet State Tier 3 or higher emissions standards.</li> </ul>	<p style="text-align: center;">District staff shall conduct periodic inspections to ensure these measures are implemented by all construction and routine maintenance contractors</p>	<p style="text-align: center;">During all construction and routine maintenance activities</p>	<p style="text-align: center;">District</p>

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<b>Air Quality (Continued)</b>			
<b>Plan Requirements and Timing:</b> These measures shall be included in the project plans and specifications and construction contracts and implemented during debris basin construction and routine maintenance.			
<b>Biological Resources</b>			
<b>MM BIO-1.</b> The following measure shall be fully implemented to replace mature native trees.			
<ul style="list-style-type: none"> <li>The proposed Restoration Plan shall include replacement of mature native trees at a minimum 3:1 ratio, an irrigation plan and a description of monitoring and maintenance procedures.</li> </ul>	District staff shall conduct periodic inspections and maintenance to ensure planted trees survive in the long-term to replace those trees removed	During development and implementation of the Final Restoration Plan	District
<b>Plan Requirements and Timing:</b> A planting plan, irrigation plan and monitoring plan shall be included in the Final Restoration Plan. The Final Restoration Plan shall be implemented within 150 days of completion of basin construction.			

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<b>Biological Resources (Continued)</b>			
<b>MM BIO-2:</b> The following measures shall be fully implemented to minimize impacts to breeding birds.			
<ul style="list-style-type: none"> <li>• Site preparation (including removal of trees and vegetation) shall be conducted during the late summer or fall (August 15 to December 31) prior to initiation of debris basin construction (planned for spring 2021).</li> <li>• Vegetation removal associated with construction and/or routine maintenance shall avoid the migratory bird and raptor breeding season (February 15 to August 15) to the extent feasible.</li> <li>• For any project-related construction and/or routine maintenance activities involving vegetation removal or heavy equipment to be conducted during the breeding season, a nest survey within the area of impact and a 200 foot buffer for non-raptors and any available raptor nesting areas within 500 feet shall be conducted by a qualified biologist no earlier than 14 days and no later than 5 days prior to any vegetation removal or ground disturbance to determine if any nests are present.</li> <li>• If an active nest is discovered during the survey, a buffer of 200 feet for non-raptors or 500 feet for raptors (or as determined by the biologist based on a field assessment) shall be established around the nest. The buffer area may be reduced if nest monitoring by a qualified biologist indicates construction and/or routine maintenance activities are not adversely affecting nesting success. No construction and/or routine maintenance activities shall occur within the buffer area until a biologist determines that the nest is abandoned, or fledglings are adequately independent from the adults.</li> </ul>	<p>District staff shall conduct periodic inspections to ensure these measures are implemented</p>	<p>During all construction and routine maintenance activities</p>	<p>District</p>
<b>Plan Requirements and Timing:</b> These measures shall be noted on the project’s engineering plans and specifications and implemented as part of all construction and routine maintenance activities.			

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<b>Cultural Resources</b>			
<p><b>MM CR-1.</b> The following measures shall be implemented to address the potential discovery of pre-historic archaeological resources during project construction.</p> <ul style="list-style-type: none"> <li>In the event that archaeological resources are exposed during construction, all earth disturbing work within the vicinity of the find shall be temporarily suspended or redirected until a professional archaeologist has been retained to evaluate the nature and significance of the find. The District shall be notified immediately of any such find. If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the NAHC.</li> <li>A worker cultural resources sensitivity program shall be implemented prior to project construction. Prior to any ground-disturbing activity, a qualified archeologist shall provide an initial sensitivity training session to all affected contractors, subcontractors, and other workers, with subsequent training sessions to accommodate new personnel becoming involved in the project. The sensitivity program shall address the cultural sensitivity of the project site and how to identify these types of resources, specific procedures to be followed in the event of an inadvertent discovery, and consequences in the event of non-compliance.</li> </ul> <p><b>Plan Requirements and Timing.</b> The above measures shall be included in the construction contract specifications for the project and shall be implemented prior to any project-related earth disturbing activities.</p>			
	District staff shall monitor for compliance	During all construction activities	District

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Mitigation Requirements	Method of Monitoring	Timing of Monitoring	Responsible Party
<b>Noise and Vibration</b>			
<b>MM N-1.</b> The following mitigation measures shall be fully implemented to minimize noise generated by project construction and routine maintenance of the proposed debris basin.			
<ul style="list-style-type: none"> <li>• Construction and routine maintenance activities shall be limited to the hours between 7:00 a.m. and 4:30 p.m., Monday through Friday. Vehicle and equipment maintenance shall also be limited to these hours.</li> <li>• No construction shall occur on State holidays (e.g., Thanksgiving, Labor Day).</li> <li>• All internal combustion engine-driven vehicles and equipment shall be properly muffled.</li> </ul>	District staff shall verify construction and routine maintenance activities comply with operating hours restrictions and mufflers are in place and functional	During all construction and routine maintenance activities	District
<b>Plan Requirements and Timing:</b> Vehicle and equipment operational hours restrictions shall be included on the construction plans and specifications. Operating hours restrictions shall be in effect during all work involving mobile and stationary equipment or heavy-duty trucks.			
<b>MM N-2:</b> The following measures shall be fully implemented to minimize rock crushing noise at adjacent residences.			
<ul style="list-style-type: none"> <li>• Rock crushing shall be limited to the hours of 7 a.m. to 4:30 p.m.</li> <li>• The rock crusher shall be located in the basin bottom, or below grade to the extent feasible.</li> <li>• The rock crusher shall be enclosed on three sides with a temporary construction noise barrier, with the open side facing away from adjacent residences.</li> <li>• The construction noise barrier shall be taller than the rock crusher and provide a minimum 20 dB sound transmission loss at 1,000 hertz.</li> </ul>	District staff shall verify rock crushing activities comply with operating hours restrictions and construction noise barriers are in place while the rock crusher is operating	During all construction activities	District
<b>Plan Requirements and Timing:</b> Rock crushing hours restrictions shall be included on the construction plans and specifications and be in effect during the entire construction period.			

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<b>Noise and Vibration (Continued)</b>			
<p><b>MM N-3:</b> The following measures shall be fully implemented to minimize the potential for blasting-related startling and sleep disturbance of adjacent residents.</p> <ul style="list-style-type: none"> <li>• Blasting shall be limited to the hours of 7 a.m. to 4:30 p.m.</li> <li>• Local residents in the project area shall be notified of the blasting schedule at least one week in advance through roadway signage at the project site and newspaper notices.</li> </ul> <p><b>Plan Requirements and Timing:</b> Blasting hours restrictions shall be included on the construction plans and specifications and be in effect during the entire construction period.</p>	<p>District staff shall verify blasting activities have been noticed and comply with operating hours restrictions</p>	<p>During all construction activities</p>	<p>District</p>
<b>Traffic and Transportation</b>			
<p><b>MM T-1.</b> Vehicle trips generated by project construction shall be scheduled such that the number of peak hour trips at any intersection is 10 or less to be consistent with the Montecito Community Plan. The truck route shall be selected to avoid intersections operating at LOS D or below, to the extent feasible.</p> <p><b>Plan Requirements and Timing:</b> Truck routes and scheduling requirements shall be included in the project plans and specifications and construction contracts and be implemented throughout the construction period.</p>	<p>District staff shall review trucking contracts and monitor compliance with scheduling requirements</p>	<p>During all construction activities</p>	<p>District</p>
<p><b>MM T-2.</b> Flag-persons and warning signs shall be used as needed to ensure the safe queuing and ingress and egress of heavy-duty trucks to and from East Valley Road. Notice of construction and routine maintenance activities shall be given to adjacent residents prior to the onset of activities affecting this roadway.</p> <p><b>Plan Requirements and Timing:</b> Traffic control and noticing requirements shall be included in the project plans and specifications and construction contracts and be implemented during all construction and routine maintenance activities.</p>	<p>District staff shall verify adjacent residents are notified, warning signs are posted and flag-persons used as needed</p>	<p>During all construction activities</p>	<p>District</p>