

Appendix B – Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program

Where a California Environmental Quality Act document has identified significant environmental effects, Public Resources Code Section 21081.6 requires public agencies to adopt a “reporting or monitoring program for the changes to the project which it has adopted or made a condition of a project approval to mitigate or avoid significant effects on the environment.”

A public agency is required to ensure that the measures are fully enforceable, through permit conditions, agreements, or other means (Public Resources Code Section 21081.6(b)). A Mitigation Monitoring and Reporting Program (MMRP) must be designed to ensure project compliance with mitigation measures during project implementation.

The County of Santa Clara is the lead agency that must adopt an MMRP for development of the proposed project – the Z-Best Composting Facility Modifications project. This MMRP has been prepared to provide for the monitoring of mitigation measures required of the proposed project, as set forth in the Final Environmental Impact Report (Final EIR). This MMRP addresses those measures in terms of how and when they will be implemented.

This MMRP identifies the individual mitigation measures included in the Final EIR and is presented in Table 1. Key features of the table are briefly described below:

- Monitoring and Reporting Action identifies the outcome from implementation of mitigation measures.
- Implementation Timeframe provides the general schedule for conducting each mitigation task.
- Implementation Responsibility identifies the person/group responsible for implementation of the mitigation measure.
- Implementation Oversight assigns the responsibility for verifying compliance with each mitigation measure and reporting task.
- Verification of Compliance documents the person who verified implementation of the mitigation measure and the date on which this verification occurred.

Mitigation Measure	Mitigation and Reporting Action	Implementation Timeframe	Implementation Responsibility	Implementation Oversight	Verification of Compliance
<p>MM-AES-2: Litter Control</p> <p>Z-Best shall augment its existing litter management activities to ensure that no increase in litter attributable to the increase in composting operations under the proposed project would be visible from SR-25.</p> <p>A. On-Site Litter Management Plan: Prior to the County LEA's approval of a revised Solid Waste Facilities Permit, the applicant shall submit an updated on-site litter management plan for the LEA's review and approval that describes how project-generated litter will be managed to avoid visual impact. The plan shall include, but not be limited to, the following measures:</p> <ol style="list-style-type: none"> 1) Procedures for minimizing the generation of litter from on-site activities such as unloading/loading and screening. 2) Regular inspections of the project site to identify and clean up any litter that may be generated by on-site operations. 3) Increased frequency of current clean-up activities, such as trash removal from the litter fence and on-site street-sweeping to the extent needed to prevent any increase in the visibility from SR-25 of litter along the project frontage. <p>The County LEA shall continue to conduct regular monitoring of Z-Best on-site litter management activities to ensure the updated on-site litter management plan is implemented.</p> <p>B. Off-Site Spillage and Litter Management Plan: The modified Use Permit conditions shall require the applicant to comply with an off-site spillage and litter management plan. The applicant shall submit a proposed spillage and litter management plan to the County Planning Department for review and approval. The plan shall include, but not be limited to, the following measures:</p> <ol style="list-style-type: none"> 1) Procedures and penalties to discourage haul trucks arriving on site or transporting materials from the facility from failing to properly secure their loads to minimize potential for generation of litter or material spillage in-transit to or from the facility. Note that State law requires vehicle contents to be covered so that nothing can spill or otherwise escape from the vehicle (Vehicle Code §§ 23114, 23115). 2) Regular inspections of the SR-25 right-of-way adjacent to the project site and extending at least a half-mile in either direction of the facility to identify and clean up any litter or spilled materials that may be generated by trucks hauling materials to or from the site. 3) Increased frequency of clean-up activities, such as trash removal from the project site frontage and street-sweeping within the Caltrans right-of-way to the extent needed to prevent any increase in litter or spilled materials along the project frontage. 4) Records of inspections and enforcement activities shall be maintained by the applicant and submitted to the County Planning Department annually, or more frequently on request. 	Submit updated On-Site Litter Management Plan.	Prior to approval of Solid Waste Facilities Permit.	Project Applicant.	County LEA.	Name: _____ Date: _____
	Monitoring of on-site litter management activities.	Throughout operation.	County LEA.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submit Offsite Spillage and Litter Management Plan.	Required as condition of modified User Permit.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with requirements of Offsite Spillage and Litter Management Plan.	Throughout operation.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-AIR-1: Fugitive Dust Minimization Measures</p> <p>Prior to issuance of a grading permit, the project applicant shall ensure that the following measures are included on all construction documents. Additionally, these measures shall be implemented during construction:</p> <ul style="list-style-type: none"> • All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. • All haul trucks transporting soil, sand, or other loose material off-site shall be covered. • All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • All vehicle speeds on unpaved roads shall be limited to 15 mph. • All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. • 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]). Clear signage shall be provided for construction workers at all access points. • All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. <p>Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.</p>	Inclusion of required measures on construction documents.	Pre-Construction.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with requirements.	Duration of Construction.	Project Applicant and construction contractors.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-AIR-2: Vehicle Idling Limits</p> <p>The applicant shall require that the engines of on-road trucks operating within the project site be shut off while queuing for loading and unloading for time periods longer than two minutes. This requirement shall be incorporated by the project applicant into contract specifications for all operators of MSW, finished material, and waste haul trucks and the applicant shall ensure that all contractors comply with this contractual requirement. The applicant shall ensure appropriate signage and training for onsite workers is provided to support effective implementation of this limit.</p> <p>No other feasible mitigation identified.</p>	Inclusion of required measures in contract specifications for haul trucks.	Prior to issuance of Conditional Use Permit.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with requirements.	Throughout operation	Project Applicant and Haul Truck Operators	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-AIR-7a: Dust Monitoring</p>	Retention of qualified industrial hygienist to design and	Prior to issuance of operation permit.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____

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<p>Prior to issuance of an operating permit, the project applicant shall retain a qualified industrial hygienist to design and conduct a fence line dust monitoring program (as a proxy for the monitoring of bioaerosols) to establish baseline conditions at the site under normal (existing) operating conditions and under a range of meteorological conditions. Following installation of the new composting equipment and when the project is fully operational and at maximum composting volume, the industrial hygienist shall perform a second round of dust monitoring during typical project operations (and under a similar range of meteorological conditions to baseline monitoring) to determine if the new technology causes an increase in fugitive dust emissions (which may also indicate an increase in bioaerosol emissions). The monitoring plan shall be submitted to the County Planning Department for review and approval prior to implementation, and results shall be reported to the County Planning Department. If dust emissions under full project conditions are equal to or less than the baseline conditions, then no further monitoring is required. If dust emissions under full project conditions are greater than baseline conditions, then additional dust control measures or other operational practices shall be implemented to reduce dust and bioaerosol concentrations to the extent feasible, and additional monitoring, designed and undertaken by a qualified industrial hygienist, and reviewed and approved by County Planning Department, shall be undertaken to verify the effectiveness of the controls and to determine whether further control measures are warranted.</p>	conduct required dust monitoring program.				
	Submittal of monitoring plan.	Prior to issuance of operation permit.	Qualified Industrial Hygienist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of monitoring results and recommendations (if any) for further action.	Following installation & operation of new equipment.	Qualified Industrial Hygienist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with further actions/measures (if required).	Per recommendations for further actions (if any).	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-AIR-7b: Equipment Maintenance and Biofilter Replacement</p> <p>To prevent the growth of bacteria and fungi within the biofilter matrix, the matrix shall be maintained and properly replaced in accordance with manufacturer's specifications. All equipment within the ECS system, including monitoring that the proposed ECS system is attaining the appropriate pathogen reduction temperatures within the anticipated timeframe (i.e., 48 hours), and within multiple locations throughout each bunker, shall be checked by a qualified technician and determined to be running in proper condition prior to daily operation. Composted materials shall not be removed from the primary CASP bunkers until all temperature probes have reached a temperature of at least 55 degrees Celsius. Records of required daily monitoring and maintenance shall be retained by the applicant and provided to the County Planning Department annually, or more frequently upon request.</p>	Provision of required monitoring and maintenance records.	Annually (or on request).	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-BIO-1: California Red Legged Frog Avoidance and Minimization Measure</p> <p>A. Prior to issuance of a grading permit, the applicant shall consult with the U.S. Fish and Wildlife Service (USFWS) to determine if potential project impacts to California red-legged frog require authorization from USFWS. If such authorization is required, the applicant shall obtain a Biological Opinion and take permit from USFWS and implement all avoidance, minimization, and/or compensatory mitigation measures required by the Biological Opinion and take permit. At a minimum, whether or not a Biological Opinion or take permit is required, the applicant shall implement all of the following avoidance and minimization measures to reduce potential impacts to California red-legged frog:</p> <ul style="list-style-type: none"> - A qualified consulting biologist shall conduct preconstruction surveys following the guidance documented in the Revised Guidance on Site Assessments and Field Surveys for the California Red-legged Frog (USFWS 2005) no more than two weeks (14 days) prior to the start of construction activities. All areas of disturbance from the project, including Area 1, the existing Detention Basin #1, the flood storage expansion area in Area 2, and the access road and SR-25 impact areas shall be surveyed for potential migratory and/or upland activity. - A qualified biologist shall be on site during all activities within 200 feet from the outer edge of potential habitat areas that may result in take of the California red-legged frog, including any drainage ditches within Area 1 of the compost facility and within the impact areas along SR-25. - All ground-disturbing work within 200 feet from the outer edge of potential habitat (any drainage ditches within Area 1 of the compost facility and within the impact areas along SR-25) shall be avoided between November 1 and March 31, the time period when California red-legged frogs are most likely to be moving through upland areas. No construction activities shall occur within 200 feet from the outer edge of potential habitat (any drainage ditches within Area 1 of the compost facility and within the impact areas along SR-25) during rain events or within 24-hours following a rain event. - To minimize harassment, injury, death, and harm in the form of temporary habitat disturbances, all project-related vehicle traffic shall be restricted to established roads, construction areas, equipment staging, storage, parking, and stockpile areas. - If a California red-legged frog is encountered, all activities which have the potential to result in the harassment, injury, or death of the individual shall be immediately halted. A qualified biologist shall then assess the situation and select a course of action that shall avoid or minimize adverse effects to the animal. - Uneaten human food and trash attracts crows, ravens, coyotes, and other predators of the California red-legged frog. A litter control program shall be instituted at each construction site. All construction workers and operational staff shall ensure their food scraps, paper wrappers, food containers, cans, bottles, and other trash are deposited in covered or closed trash containers. The trash containers shall be removed from the site at the end of each working day. - Loss of soil from run-off or erosion shall be prevented with straw bales, straw wattles, or similar means provided they do not have the potential to entangle or block escape or dispersal routes of the California red-legged frog. - No insecticides or herbicides listed by the Environmental Protection Agency as potentially harmful to California red-legged frog shall be used within 60 feet of aquatic habitat, such as drainage ditches, wetlands, or ponds within the compost facility or within the impact areas along SR-25 during construction or project operation. - No pets shall be permitted at the construction site, to avoid and minimize the potential for harassment, injury, and death of the California red-legged frog. - For on-site storage of pipes, conduits, and other materials that could provide shelter for special-status species, an open-top trailer shall be used to elevate the materials above ground to reduce the potential for animals to climb into the conduits and other materials. - No night-time grading or construction shall occur between dusk and dawn, which is when the California red-legged frog is most actively moving and foraging. 	Consultation with USFWS (and attainment of Biological Opinion and/or take permit, if needed).	Prior to issuance of grading permit.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Retention of qualified biologist to implement required measures.	At least 2 weeks prior to construction.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with required preconstruction surveys and monitoring measures.	Throughout construction.	Project Applicant and qualified biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____

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<ul style="list-style-type: none"> No plastic monofilament netting (erosion control matting), loosely woven netting, or similar material in any form shall be used at the project site because California red-legged frogs can become entangled and trapped in them. Materials utilizing fixed weaves (i.e., strands cannot move), polypropylene, polymer, or other synthetic materials shall not be used. Acceptable substitutes would include coconut coir matting or tackifying hydroseeding compounds. To prevent inadvertent entrapment of California red-legged frog during construction, all excavated, steep-walled holes or trenches more than 1 foot deep will be covered with plywood or similar materials at the close of each working day, or will be equipped with one or more escape ramps constructed of earth fill or wooden planks. Before the start of work each day, the qualified biologist shall check for animals under any equipment such as vehicles and stored pipes within active construction zones. The qualified biologist shall also check all excavated steep-walled holes or trenches greater than one foot deep for trapped animals. If a California red-legged frog is observed within an active construction zone, all work within 100 feet of the individual shall be halted and all equipment turned off until the individual frog has left the construction area. 					
<p>B. Prior to any grading or construction activity at the project site, a qualified biologist shall conduct a training session for all construction personnel involved in ground-disturbing activities throughout the duration of construction. All new construction personnel shall also undergo this mandatory environmental awareness training. This training shall be documented in training records and the applicant shall submit evidence of completion of this training to the County Planning Department prior to any ground-disturbing activities. The training shall include the following, at a minimum:</p> <ul style="list-style-type: none"> Description of the California red-legged frog and their habitat; General measures that shall be implemented to conserve species as they relate to the project; Boundaries within which construction activities will occur; and Informational handouts with photographs clearly illustrating the species' appearances shall be used in the training session. 	Submittal of Worker Training records.	Prior to ground-disturbing activities.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-BIO-2: Nesting Bird Avoidance and Minimization Measures</p> <p>Any tree removal, pruning, grading, grubbing, or demolition within the compost facility or within the access road and SR-25 impact areas shall be conducted outside of the bird nesting season (January 15 through September 15) to the maximum extent feasible. If these types of activities, or noise resulting from construction activities, will occur during the bird nesting season, then prior written approval from the County Planning Department shall be obtained, and a qualified biologist shall conduct pre-construction surveys for nesting birds to ensure that no active nests would be disturbed during project activities.</p> <p>If project-related work is scheduled during the nesting season (January 15 through September 15), or if construction activities are suspended for at least 15 days and recommence during the nesting season, a qualified biologist shall conduct additional nesting bird surveys before any construction activities recommence. Two surveys for active nests of such birds shall occur within 15 days prior to the start of construction, with the second survey conducted within 48 hours prior to the start of construction. Appropriate minimum survey radii surrounding each work area are 250 feet for passerines, 500 feet for smaller raptors, and 1,000 feet for larger raptors. Surveys shall be conducted at the appropriate times of day, as determined by the qualified biologist, to observe nesting activities when birds are most active. Off-site locations where access is not available may be surveyed from within the site or from public areas. A report documenting survey results and plan for active bird nest avoidance (if active nests are found) shall be completed by the qualified biologist and submitted to the County Planning Department prior to initiation of construction activities.</p> <p>If the qualified biologist documents active nests within the survey areas, an appropriate buffer between each nest and construction shall be established. The buffer shall be clearly marked and maintained until the young have fledged and are foraging independently. Prior to construction, the qualified biologist shall conduct baseline monitoring of each nest to characterize normal bird behavior and establish a buffer distance that allows the birds to exhibit normal behavior. The qualified biologist shall monitor the nesting birds daily during construction activities and increase the buffer if birds show signs of unusual or distressed behavior (e.g., defensive flights and vocalizations, standing up from a brooding position, and/or flying away from the nest). If buffer establishment is not possible, all construction work in the area shall cease until the young have fledged and the nest is no longer active.</p> <p>Any modifications to this measure, such as encroachment of construction activities into established buffer zones, must be coordinated with CDFW.</p>	Application for pre-approval for construction activities in nesting bird season.	Prior to initiation (or commencement) of construction activities within nesting season (Jan 15-Sept 15 of each year).	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Retention of qualified biologist to conduct required surveys and monitoring.		Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of survey results and active nest avoidance plan.		Project Applicant & qualified biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of monitoring results.	Throughout duration of construction within nesting season(s).	Project Applicant & qualified biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-BIO-3: Roosting Bat Avoidance and Minimization Measures</p> <p>The Applicant shall retain a qualified biologist to conduct a bat habitat assessment in all project areas that require tree removal. The qualified biologist shall identify and document the location of potentially suitable bat roosting habitat prior to construction activities. If no suitable bat habitat is observed, the biologist shall inform the County Planning Department, the Applicant and its Construction Contractor, and no further measures are required. If bat roosting habitat is observed, the locations of all such habitat areas shall be provided to the County Planning Department, the Applicant and its Construction Contractor, and all of the following requirements shall be implemented throughout the construction period:</p> <ul style="list-style-type: none"> Removal of trees that provide suitable bat roosting habitat shall be conducted outside of the bat maternity season (April 15 to August 31) and overwintering season (October 16 to January 15) to the maximum extent feasible and with express prior approval from the County Planning Department. Bat presence/absence surveys shall be conducted 2 to 3 days prior to removal of any trees in suitable bat habitat, at any time of year. If presence/absence surveys are negative, work may proceed with no restrictions. If presence/absence surveys detect bats within trees planned for removal, work should proceed in accordance with all of the following restrictions: <ul style="list-style-type: none"> If a maternity colony of bats is observed during maternity season (April 15 to August 31), tree removal shall not occur until August 31 or when maternity season has ended as confirmed based on surveys conducted by a qualified biologist. 	Retention of qualified biologist to conduct required measures.	Prior to construction activities.	Project Applicant/Qualified Biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of bat habitat assessment results.	Prior to construction activities.	Project Applicant/Qualified Biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Application for pre-approval for removal of trees within bat habitat.	Prior to removal of trees.	Project Applicant/Qualified Biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with required preconstruction surveys and monitoring measures.	Throughout duration of construction.	Project Applicant & qualified biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____

Mitigation Measure	Mitigation and Reporting Action	Implementation Timeframe	Implementation Responsibility	Implementation Oversight	Verification of Compliance
<ul style="list-style-type: none"> If bats are observed during overwintering season (October 16 to January 15), tree removal shall not occur until January 15 or until bats are no longer present as confirmed based on surveys conducted by a qualified biologist. If bats are present outside of maternity or overwintering seasons, construction shall follow a two-phase tree removal system conducted over 2 consecutive days. On the first day (in the afternoon), any limbs and branches shall be removed using chainsaws or other hand tools. Limbs with cavities, crevices, or deep bark fissures shall be avoided, and only branches or limbs without those features may be removed. On the second day, the entire tree shall be removed. <p>Any modifications to this measure, such as bat eviction, must be coordinated with CDFW.</p>					
<p>MM-BIO-4: Delineation of Aquatic Features, Permit Acquisition, and Compliance with Permit Conditions</p> <p>Prior to initiation of ground disturbance or construction activities within the new access driveway, SR-25 impact areas, and Detention Basin #1, the applicant shall retain a qualified biologist to delineate the extent of drainage ditches, potential wetlands, and other waters of the United States regulated by the USACE and RWQCB. If there are jurisdictional features that would be modified by the project, the applicant shall obtain a Clean Water Act Section 404 Nationwide Permit or Individual Permit from USACE and obtain a Clean Water Act Section 401 Water Quality Certification from the RWQCB.</p> <p>To compensate for temporary and/or permanent impacts to wetlands and other waters of the U.S. that would be impacted as a result of the proposed project, compensation shall be provided as required by the conditions of the regulatory permits. Compensation shall be provided through one of the following mechanisms:</p> <ul style="list-style-type: none"> A Wetland Mitigation and Monitoring Plan shall be developed that outlines mitigation and monitoring obligations for temporary impacts to wetlands and other jurisdictional waters from the project. The Wetland Mitigation and Monitoring Plan shall include thresholds of success, monitoring and reporting requirements, and site-specific plans to compensate for wetland losses resulting from the project. The Wetland Mitigation and Monitoring Plan shall be submitted to the appropriate regulatory agencies for review and approval during the Section 404/401 permit application process. To compensate for permanent impacts, the dedication of land to provide suitable wetland restoration or creation shall ensure no net loss of wetland values or functions. For compensation lands or improvements on the project site, the applicant shall comply with all terms and conditions of the regulatory permits, including measures to protect and maintain water quality, restore work sites, and compensatory mitigation to offset temporary and permanent wetland impacts. The Applicant shall prioritize onsite compensation, and dedication of offsite compensation shall only be considered if the County Planning Department determines that onsite compensation is infeasible. The Applicant shall develop, as necessary, a mitigation and monitoring plan, which will include success criteria for waters enhancement or creation on- or off-site. The Applicant shall be responsible for securing funding for the implementation and management of compensatory mitigation prior to issuance of a grading permit, with oversight by the County of Santa Clara. <p>For improvements within the Caltrans right-of-way, the applicant shall comply with terms and conditions of the permits, including measures to protect and maintain water quality, restore work sites, and compensatory mitigation to offset temporary and/or permanent wetland impacts. The applicant shall be responsible for implementation of this mitigation measure prior to issuance of an encroachment permit from Caltrans.</p>	Retention of qualified biologist to delineate potential wetlands and other waters.	Prior to initiation of ground disturbance.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of Jurisdictional Delineation report.	Prior to initiation of ground disturbance.	Project Applicant & qualified biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Attainment of applicable permits (if required) & compliance with permit conditions.	Prior to activities within jurisdictional waters/wetlands or their buffers.	Project Applicant & qualified biologist.	US Army Corps of Engineers Regional Water Quality Control Board.	Name: _____ Date: _____
	Submittal of records showing compliance with required compensation measures (if required).	Prior to issuance of grading permit.	Project Applicant & qualified biologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing compliance with required compensation measures (if required).	Prior to issuance of encroachment permit for improvements in SR-25 ROW.	Project Applicant & qualified biologist.	California Department of Transportation.	Name: _____ Date: _____
<p>MM-CUL-1: Accidental Discovery Protocols</p> <p>A. Prior to the start of ground-disturbing activities, the applicant shall retain a qualified archaeologist to implement archaeological awareness training for all construction personnel involved with earthmoving or grading activities. The training shall include information regarding the possibility of encountering buried cultural resources (including tribal cultural resources), the appearance and types of resources likely to be seen during construction, notification procedures, and proper protocol to be followed should resources be encountered. This training shall be provided to all workers involved in ground-disturbing activities throughout the duration of construction and shall be documented in training records that shall be submitted to the County prior to those workers undertaking any ground-disturbing activities at the site.</p> <p>B. A qualified archaeologist shall be on site to monitor project-related ground-disturbing activities. The contract for this work shall be provided to the County prior to issuance of a grading permit. The frequency of monitoring shall be determined by the archaeologist based on the rate of excavation and grading activities, the materials being excavated, the depth and location of excavation, and, if found, the abundance and type of archaeological resources encountered.</p> <p>C. If buried historic or prehistoric cultural resources or suspected resources (such as chipped stone or groundstone, shell middens, historic debris such as trash dumps, building foundations, or old roadways) are inadvertently discovered during ground-disturbing activities, work shall stop within a 100-foot radius of the find, and the County Planning Department shall be notified, and the qualified archaeologist shall evaluate the find to determine if it meets the definition of a historical, unique archaeological, and/or tribal cultural resource, and all of the following shall be required:</p> <ul style="list-style-type: none"> If the find(s) does not meet the definition of a historical resource or unique archaeological resource, no further study or protection is necessary prior to resuming project implementation. If the find(s) does meet the definition of a historical resource or unique archaeological resource, then it shall be avoided by project activities. If avoidance is not feasible, as determined by the County Planning Department, the qualified archaeologist, shall make appropriate recommendations regarding the treatment and disposition of such find(s), and significant impacts to such resources shall be mitigated in accordance with the recommendations of the archaeologist, and evidence of such mitigation shall be submitted to the County Planning Department, prior to resuming any construction activities within the 100-foot radius of the find(s). If the find(s) is potentially a tribal cultural resource, then tribal representatives shall be consulted. If, after consultation with tribal representatives, it is determined that the find(s) is a tribal cultural resource, then the find(s) shall be avoided by project activities. If avoidance is not feasible, as determined by the County Planning Department, the qualified archaeologist, in consultation with tribal representatives, shall make appropriate recommendations regarding the treatment and disposition of such finds and significant impacts to such resources shall be mitigated in accordance with the recommendations of the archaeologist, and evidence of such mitigation submitted to the County, prior to resuming construction activities within the 100-foot radius. 	Retention of qualified archaeologist & submittal of contract.	Prior to the start of ground-disturbing activities.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of training records.	Prior to the start of ground-disturbing activities or new workers starting.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Notification of suspected resource(s).	Immediately following discovery of suspected resource.	Project Applicant & qualified archaeologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of records showing implementation of recommendations for treatment & disposition.	Prior to resuming activities within 100-ft radius of resource(s).	Project Applicant & qualified archaeologist.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____

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If the find(s) are human remains or grave goods, the requirements of Public Resources Code Section 5097.98 and County Ordinance Code Sections B6-18 through B6-20 shall be followed.					
<p>MM-HYD-1A: Demonstrate Sufficient Pump Capacity</p> <p>During the grading permit application process, the Applicant shall submit details and calculations to the County Planning Department demonstrating that the proposed pump capacity will be sufficient to transfer stormwater runoff from Area 1 into Detention Basin #1 during a 25-year, 24-hour storm event without causing localized flooding which inundates the southeast corner of the green waste compost area. Note that approximately 7.1 million gallons of stormwater runoff is expected from Area 1 during the 25-year, 24-hour storm event (from 4.75 inches of precipitation).</p>	Submittal of calculations & pump details.	During the grading application process.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-HYD-1B: Increase Detention Basin Capacity</p> <p>During the grading permit application process, the Applicant shall submit a revised site plan, design details, and supporting calculations to the County Planning Department for review and approval showing modifications to increase the capacity of Detention Basin #1 and/or Detention Basin #2, such that the combined detention capacity is sufficient to hold at least 22.4 million gallons of water whilst maintaining a freeboard of at least 2 feet. In addition, the Applicant shall demonstrate compliance with the Composting General Order (or at least as stringent conditions of an individual permit) to detain the 25-year, 24-hour peak storm, assuming normal operating volumes during wet years, or obtain approval from the RWQCB for an equivalent alternative.</p> <p>If the modified basin design would require changes to the engineered alternative liner design for Detention Basin #1 (as previously approved by the RWQCB on May 22, 2023), or would result in the potential for Detention Basin #2 to hold water at an elevation above the level of the existing Detention Basin #2 liner (i.e., above 150 feet NAVD 88) the Applicant shall demonstrate compliance with the Composting General Order hydraulic conductivity requirements or at least as stringent conditions of an individual permit, as required by the RWQCB.</p> <p>If the modified basin design would require additional fill below the base-flood elevation, consideration must also be given to a corresponding increase in the size of the additional flood storage basin in Area 2, as needed to comply with the County's Floodplain Management Ordinance (see also MM-HYD-4).</p> <p>If the modified basin design and/or corresponding changes to the flood storage basin would decrease the area of the facility draining to the detention basins, the required detention volume specified in the first paragraph of this measure may be reduced accordingly, provided adequate supporting documentation is provided to the County Planning Department for review and approval. The documentation shall demonstrate that the revised design is sufficient to hold direct precipitation and facility runoff from a 25-year, 24-hour storm event in addition to normal operating volumes during wet years, whilst maintaining 2 feet of freeboard.</p>	Submittal of revised site plan, design details, and supporting calculations.	During the grading application process.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of evidence of compliance with Compost General Order requirements.	During the grading application process.	Project Applicant.	RWQCB and County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-HYD-1C: Investigate and Remediate Contaminated Soils in Detention Basin #1</p> <p>Prior to issuance of grading permits, the applicant shall retain a qualified environmental consultant to prepare and implement a soil investigation plan, that shall be submitted for review and approval by the County Planning Department. The plan shall detail procedures for collection and analysis of soil samples from existing sediments in the floor of Detention Basin #1. Samples shall be analyzed, and concentrations compared to background levels and industry-standard screening levels for groundwater protection (e.g., regional screening levels and/or environmental screening levels). If existing sediments at the bottom of Detention Basin #1 are found to be contaminated, these soils shall be removed prior to new construction activities at Detention Basin #1. Excavated soils shall be re-composted at the facility or hauled off from the site for disposal at an appropriately licensed facility, in accordance with federal, state, and local regulations.</p>	Retain a qualified environmental consultant.	During the grading application process.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of soil investigation plan.	During the grading application process.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of evidence of compliance with approved soil investigation plan and applicable disposal regulations.	Prior to construction activities affecting Detention Basin #1.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-HYD-4: Update Floodplain Storage Analysis</p> <p>Prior to issuance of grading permits, the Applicant shall prepare and submit a revised floodplain storage analysis to the County, based on final project design. The analysis shall specify the project components included in the modeling and shall not consider excavated areas that are below typical groundwater levels as contributing to flood storage capacity. If the County determines that the revised analysis does not demonstrate compliance with the County's Floodplain Management Ordinance requirement that the project would not, when combined with other development within the floodplain, result in the water surface elevation of the 100-year base flood increasing by more than 1 foot, then the project shall be revised to provide additional floodplain storage capacity or other design changes, until compliance can be demonstrated to the County's satisfaction.</p>	Submittal of revised floodplain storage analysis.	Prior to grading permits.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<p>MM-HYD-5: Increase Berm Height for Detention Basin #2</p> <p>The Applicant shall increase the berm height of Detention Basin #2 to at least 150.5 feet (NAVD 88), so that at least 2 feet freeboard above the 100-year base flood elevation of 148.5 feet (NAVD 88) is maintained. Plans for the redesigned detention basin shall be submitted to the County Planning Department for review and approval prior to issuance of grading permits for the project. The Applicant shall also modify or replace the basin liner, as required by the RWQCB, in compliance with the Composting General Order requirements for hydraulic conductivity (or at least as stringent conditions of an individual permit).</p>	Submittal of redesigned Detention Basin #2 plans for approval.	Prior to issuance of grading permits.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
	Submittal of evidence of compliance with Compost General Order requirements.	During the grading application process.	Project Applicant.	RWQCB and County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____

Mitigation Measure	Mitigation and Reporting Action	Implementation Timeframe	Implementation Responsibility	Implementation Oversight	Verification of Compliance
MM-TRA-2: Installation of Traffic Controls or Retention of Driveway in Existing Location	Submittal of signalized driveway/SR-25/Bolsa design (or modified Alternative 3 driveway design) to Caltrans.	Prior to issuance of grading permits.	Project Applicant.	California Department of Transportation.	Name: _____ Date: _____
A. The applicant shall modify its proposed design for the SR-25 improvements and driveway relocation to include the installation of traffic signals at the intersection of SR-25/Bolsa Road/relocated driveway, if agreed to by Caltrans. The applicant shall obtain an encroachment permit from Caltrans to implement the modified design and shall comply with all conditions of the permit and/or modifications to the design requested by Caltrans as part of their permit review and approval process, including maintenance of a clear recovery zone and compliance with Caltrans' stormwater management standards. The applicant shall be fully responsible for the cost of all project site improvements to mitigated impacts to traffic operations and safety. The applicant's funding contribution to the cost of SR-25 improvements, either in full or in part, shall be determined by Caltrans.	Submittal of copy of Caltrans-issued encroachment agreement and evidence of compliance with permit conditions & contribution of fair share costs.	Prior to increasing processing capacity of facility.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
B. The applicant shall not increase processing capacity of the facility (and associated increase in haul-truck and employee traffic) at the site until either (1) the signalized intersection is operational in accordance with MM-TRA-2A above, or (2) alternative improvements are made to the existing project site driveway in accordance with Alternative 3 and mitigation measure MM-TRA-2-Alt3 and no relocation of the project site driveway occurs until the signalized operation is operational in accordance with MM-TRA-2A. The applicant shall obtain an encroachment permit from Caltrans to implement the modified design and shall comply with all conditions of the permit and/or modifications to the design requested by Caltrans as part of their permit review and approval process. The applicant shall be fully responsible for the cost of all project site improvements to mitigated impacts to traffic operations and safety. The applicant's funding contribution to the cost of SR-25 improvements, either in full or in part, shall be determined by Caltrans.	Preparation and submittal of CMP to County Roads and Airport and Caltrans.	Prior to issuance of the grading permit.	Project Applicant or their Contractor.	County of Santa Clara Department of Roads and Airport and California Department of Transportation.	Name: _____ Date: _____
MM-TRA-3: Construction Traffic Management Plan	Submittal of copy of Caltrans- and County Roads & Airport-approved CMP.	Prior to issuance of the grading permit.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
The applicant or their contractor shall prepare a Construction Traffic Management Plan (CMP), in accordance with MUTCD requirements and the Caltrans Transportation Management Plan Guidelines. The CMP shall be subject to review and approval by Caltrans and the County Department of Roads and Airport, prior to issuance of a grading permit. The plan shall be implemented during construction and shall include, but not be limited to, the following:	Submittal of records showing of compliance with CMP.	Throughout construction.	Project Applicant.	County of Santa Clara Department of Planning and Development.	Name: _____ Date: _____
<ul style="list-style-type: none"> • Schedule of construction showing each phase of the project, construction hours, and anticipated method of handling traffic for each phase, including drawings identifying lane configurations, haul routes, road and lane closures, detour routes, work areas, staging areas, and worker parking areas. The location of signs, barricades, codes, etc., to warn, direct, and guide traffic shall be shown on the plan, as well as any supplementary traffic control devices that might be required. • The repair and restoration of any damaged or deteriorated roadway rights-of-way according to Caltrans requirements after construction is completed. • Provide for the appropriate control measures, including barricades, warning signs, speed control devices, flaggers, and other measures to mitigate potential traffic hazards; • Ensure coordination with emergency response providers to provide sufficient emergency response access for the surrounding area; • Maintain emergency access to the project site throughout construction and maintain vehicular, bicycle, and pedestrian access through the State Route 25 corridor throughout construction; • Prohibit heavy vehicle traffic to and from the project site during the commute hours of 7:00-9:00 AM and 4:00-6:00 PM; • Identify the need (if any) for transportation permits for oversized or excessive load vehicles on State roadways from Caltrans and include any permit conditions as part of the CMP; • Implement truck haul routes for construction trucks deemed acceptable by Caltrans and the County Department of Roads and Airport with SR-25 and U.S. Highway 101 as the assumed routes to and from the north; and • Store construction equipment on the project site and outside the Caltrans right-of-way during the construction phase of the project. 					