

**Table 2.0-1
Summary of SHW Project Impacts and Mitigation Measures**

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Aesthetics			
SHW Impact AES-1: Implementation of the proposed project would have a substantial adverse effect on a scenic vista.	<i>Significant</i>	No mitigation is feasible.	<i>Significant and Unavoidable</i>
SHW Impact AES-2: Implementation of the proposed project would substantially damage scenic resources.	<i>Significant</i>	No mitigation is feasible.	<i>Significant and Unavoidable</i>
SHW Impact AES-3: Implementation of the proposed project would substantially degrade the visual character or quality of the Hagar site.	<i>Potentially Significant</i>	No mitigation is feasible.	<i>Significant and Unavoidable</i>
SHW Impact AES-4: Implementation of the proposed project would not result in a substantial adverse effect related to light and glare.	<i>Potentially Significant</i>	SHW Mitigation AES-4: Implement SHW Mitigation BIO-12	<i>Less than Significant</i>
SHW Impact C-AES-1: Implementation of the proposed project would not result in significant cumulative visual impacts.	<i>Less than Significant</i>	No mitigation is required.	N/A
Air Quality			
SHW Impact AIR-1: Construction of the proposed project could result in construction emissions that violate an air quality standard or contribute substantially to an existing or projected air quality violation.	<i>Significant</i>	<p>SHW Mitigation AIR-1A: The P3 developer shall submit an equipment and phasing plan to the Campus for review and approval that will demonstrate the following to reduce exhaust emissions during construction:</p> <ul style="list-style-type: none"> • All diesel-powered off-road equipment larger than 25 horsepower and operating on the project construction sites for more than two days in a row shall meet, at a minimum, U.S. EPA standards for Tier 3 engines or equivalent. • All diesel-powered off-road equipment larger than 25 horsepower and operating on the project construction sites for more than two days in a row shall be equipped with diesel particulate matter filters that meet CARB-certified Level 3 Diesel Particulate Filters or alternatively-fueled equipment (i.e., non-diesel) would meet this requirement. 	<i>Less than Significant</i>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		<ul style="list-style-type: none"> • Signal boards shall be electrically powered. • Provide electrical line power so that diesel-fueled generator use shall be limited to 100 hours total at the Hagar site. • Minimize the use of diesel-fueled generators at the Heller site. • Ensure intensive construction activities (grading and building erection) at the Hagar and Heller sites do not overlap (note that current schedule indicates these would occur at separate times). <p>SHW Mitigation AIR-1B: The project shall use low volatile organic compound or VOC (i.e., ROG) coatings, that are below current MBARD requirements (i.e., Rule 426: Architectural Coatings), for at least 50 percent of all residential interior paints. This includes all architectural coatings applied during construction. At least 50 percent of coatings applied to interior portions of the project must meet a "super-compliant" VOC standard of less than 10 grams of VOC per liter of paint.</p>	
<p>SHW Impact AIR-2: Operation of the proposed project would not result in operational emissions that would violate an air quality standard or contribute substantially to an existing or projected air quality violation.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>
<p>SHW Impact AIR-3: Implementation of the proposed project would expose sensitive receptors to substantial concentrations of toxic air contaminants.</p>	<p><i>Significant</i></p>	<p>SHW Mitigation AIR-3: Implement SHW Mitigation AIR-1A.</p>	<p><i>Less than Significant</i></p>
<p>SHW Impact AIR-4: Implementation of the proposed project would not create objectionable odors that could affect a substantial number of people.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>
<p>SHW Impact AIR-5: Implementation of the proposed project would not conflict with or obstruct implementation of the applicable air quality plan.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
<p>SHW Impact C-AIR-1: Implementation of the proposed project would not result in a cumulatively considerable net increase of a criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>
<p>Biological Resources</p>			
<p>SHW Impact BIO-1: Development of the proposed project would result in a substantial adverse impact on four sensitive natural communities.</p>	<p><i>Potentially Significant</i></p>	<p>SHW Mitigation BIO-1A: California oat grass grassland The restoration to compensate for the loss of the California oat grass grassland shall be performed using native species from local seed sources. The management and monitoring plan shall be reviewed and approved by the Campus.</p> <p>SHW Mitigation BIO-1B: Purple needlegrass grassland Where purple needlegrass grasslands are temporarily impacted, the temporarily impacted areas shall be restored by seeding purple needlegrass. The restoration shall be performed using native species from local seed sources.</p> <p>For any unavoidable permanent losses of purple needlegrass, the Campus shall mitigate by (1) permanently protecting approximately 17.1 acres of existing purple needlegrass grassland within the campus or (2) by restoring purple needlegrass grassland at a ratio of at least 1:1.</p> <p>In the event that restoration is the chosen mitigation, the Campus will identify one or more potential sites for restoration on the campus, and will direct the preparation of a management and monitoring plan, including quantitative success criteria, for the restoration site(s). The plan will specify that restoration shall be performed with purple needlegrass from local seed sources. Success criteria for the restoration shall include providing equivalent or greater overall (rather than species specific) cover of purple needlegrass as is found in the purple needlegrass grassland that will be lost to development. This management and monitoring plan shall be reviewed and approved by the Campus. Management of the site shall continue for at least 5 years to protect the restored areas from reverting to annual</p>	<p><i>Less than Significant</i></p>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		<p>grassland. If purple needlegrass restoration does not meet the success criteria after 5 years, restoration shall be remedied (e.g., replanting) or restoration will be attempted on a new, more suitable site. This same plan will also apply to restored purple needlegrass grassland within the temporarily impacted areas.</p> <p>SHW Mitigation BIO-1C: Creeping Rye Grass Turfs Where creeping rye grass turfs are temporarily impacted, the temporarily affected areas will be restored by seeding and/or planting plugs of creeping rye grass. The restoration shall be performed using native species from local seed sources.</p> <p>For any unavoidable permanent losses for up to 0.2 acre of creeping rye grass turfs, the Campus shall mitigate by (1) permanently protecting an equivalent acreage of existing creeping rye grass turfs within the campus to the acreage removed or (2) by restoring creeping rye grass turfs at a ratio of at least 1:1.</p> <p>In the event that restoration is the chosen mitigation for the permanently impacted creeping rye grass turfs, the Campus will identify one or more potential sites for restoration on the campus, and will direct the preparation of a management and monitoring plan, including quantitative success criteria, for the restoration site(s). The plan will specify that restoration shall be performed with creeping rye grass from local seed sources. Success criteria for the restoration shall include providing equivalent or greater overall (rather than species specific) cover of creeping rye grass as is found in the creeping rye grass turfs that will be impacted. This management and monitoring plan shall be reviewed and approved by the Campus. Management of the site shall continue for at least 5 years to protect the restored areas from reverting to annual grassland. If creeping rye grass restoration does not meet the success criteria after 5 years, restoration shall be remedied (e.g., replanting) or restoration will be attempted on a new, more suitable site. This same plan will also apply to restored creeping rye grass turfs within the temporarily impacted areas.</p>	

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		<p>SHW Mitigation BIO-1D: California Bay Forest Mitigation for Loss of Understory</p> <p>Where California bay forest understory vegetation is temporarily impacted, the temporarily affected areas will be restored by seeding and/or planting native California bay forest understory plants, such as California blackberry, coyote brush, and yerba buena.</p> <p>For any unavoidable permanent losses, the Campus shall mitigate (1) by permanently protecting an equivalent acreage of existing California bay forest within the campus to the acreage impacted, or (2) by restoring California bay forest understory vegetation at a ratio of at least 1:1.</p> <p>In the event that restoration is the chosen mitigation, the Campus will identify one or more potential sites for restoration on the campus, and will direct the preparation of a management and monitoring plan, including quantitative success criteria, for the restoration site(s). The plan will specify that restoration shall be performed with California bay forest understory vegetation from local plant sources. Success criteria for the restoration shall include providing plant survivorship (or established) and providing equivalent or greater overall (rather than species specific) cover of California bay forest understory vegetation as is found in the understory vegetation that will be impacted due to the storm drain improvements. This management and monitoring plan shall be reviewed and approved by the Campus. Management of the site shall continue for at least 5 years. If restoration does not meet the success criteria after 5 years, restoration shall be remedied (e.g., replanting) or restoration will be attempted on a new, more suitable site. This same plan will also apply to restored understory vegetation within the temporarily impacted areas.</p>	

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		<p><i>Mitigation for Impact to Tree Root Systems</i></p> <p>Tree Protection Zone fencing shall be installed under the supervision of a qualified arborist and maintained to prevent direct damage to trees. The fence shall be placed at a distance that is at or outside of the drip lines of trees or 8 feet from their trunk, whichever is greater. Heavy machinery shall not be allowed to operate or be stored within the dripline of avoided trees unless approved by a qualified arborist. Excavation work within the dripline of trees shall be conducted with light equipment or by hand whenever possible to avoid tearing of large diameter roots. Root pruning shall be performed with a sharp blade taking care not to tear root tissue. Construction materials or debris shall not be placed adjacent to or against the trunks of the trees. Disposal or depositing of oil, gasoline, chemicals or other harmful materials within the forest shall be prohibited. The certified arborist shall be present to monitor activities that may pose a potential threat to the trees.</p>	
<p>SHW Impact BIO-2: The proposed project would not result in an adverse impact, directly and indirectly, on special-status plant species.</p>	<p><i>No Impact</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>
<p>SHW Impact BIO-3: The proposed project would not introduce or cause the spread of noxious weeds, which could reduce the abundance of native plants and sensitive communities.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>
<p>SHW Impact BIO-4: The proposed project could result in a substantial adverse impact (i.e., loss or degradation of habitat) on cave invertebrates, including the Santa Cruz telemid spider, Dolloff Cave spider, Empire Cave pseudoscorpion, or Mackenzie’s Cave amphipod.</p>	<p><i>Significant</i></p>	<p>SHW Mitigation BIO-4: The Campus shall implement the following measures.</p> <ul style="list-style-type: none"> • Require mandatory stewardship training for residents of the proposed Heller site housing (either online or in person) designed to bring awareness to sensitive environments and ways to reduce impacts to the cave resources. The training could be provided by the CNR. • Install additional interpretive signage about the cave species and their habitats, Best Stewardship/Leave no Trace principles for lessening the impact on the environment, and the CNR lands and mission. • The CNR Manager will work with Campus Police to evaluate additional enforcement actions that may be implemented to address the unauthorized activities 	<p><i>Less than Significant</i></p>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
<p>SHW Impact BIO-5: The proposed project could result in a substantial adverse effect on important movement habitat and direct impacts to California red-legged frog.</p>	<p><i>Potentially Significant</i></p>	<p>by campus and non-campus population at the cave.</p> <p>SHW Mitigation BIO-5A: In addition to LRDP Mitigation BIO-9, the project shall implement the following avoidance measures at both project sites.</p> <ul style="list-style-type: none"> • Prior to the commencement of construction activities, a qualified biologist shall be present a training session for all project personnel to provide an overview on the CRLF, applicable regulatory policies and provisions regarding their protection, and the avoidance and minimization measures to be followed to protect the species. All crew members shall be briefed on the reporting process in the event that an inadvertent injury should occur to a special-status species during construction. This training shall be incorporated into the daily job orientation and safety training provided to new craft coming onsite. • The biologist may train one or more members of the contractor staff to serve as biological monitor with responsibility for daily inspection of the construction fencing as described below. • The contractor, in coordination with the biologist, shall install exclusionary fencing around the entire project work site. The fencing shall be heavy-duty silt-fence or similar material (not open-meshed). It shall be buried a minimum of 6 inches so that CRLF cannot crawl under the fence and shall be inspected and maintained throughout the construction period, as specified below. • Installation of the fencing shall be monitored by the biologist. Cover boards shall be placed at approximately 100-foot intervals outside the fence to provide cover for wildlife that encounters the fence. Cover boards shall be monitored weekly by the biological monitor to ensure that they remain in place and are functional. • A qualified wildlife biologist shall monitor all construction activities within CRLF upland or dispersal habitat daily during initial ground-disturbing activities, including grading, excavation, and vegetation removal. • The biologist shall perform spot checks of the site 	<p><i>Less than Significant</i></p>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		<p>once a week.</p> <ul style="list-style-type: none"> If a CRLF is observed at any time during project activities, all work that may result in disturbance, injury, or mortality to the individual shall cease. The contractor shall notify the biologist, who shall in turn contact the Campus and USFWS. Prior to the start of daily construction activities, the biologist or a biological monitor trained by the biologist shall inspect the perimeter fence to ensure that it is not ripped or has holes and that the base is still buried. The fence shall also be inspected to ensure that no CRLF are trapped in the fence. Any CRLF found along and outside the fence shall be closely monitored until the CRLF moves away from the construction area. <p>SHW Mitigation BIO-5B: Temporary exclusion fencing shall be placed around the perimeter of the trenched utility corridor and storm water improvements. If possible, all trenched areas shall be completed and backfilled by the end of the work day. Any open trenches that cannot be backfilled shall be covered by the end of the work day. If installation of the utility lines cannot be completed within one day, the utility lines and storm drains shall be trenched in sections no longer than 300 feet in length to allow CRLF movement around the exclusion fences. Trenching shall not occur in amounts greater than what can be completed during the following work day.</p>	
SHW Impact BIO-6: The proposed project could result in direct impacts to California giant salamanders.	<i>Potentially Significant</i>	SHW Mitigation BIO-6: Implement SHW Mitigations BIO-5A and 5B.	<i>Less than Significant</i>
SHW Impact BIO-7: The proposed project would not result in the loss or abandonment of active nests for special-status raptors and other special-status and protected birds.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact BIO-8: The proposed project would not result in a substantial adverse impact on western burrowing owl.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact BIO-9: The proposed project would not result in a substantial adverse impact associated with the disturbance of roosting sites	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
for special-status bats.			
SHW Impact BIO-10: The proposed project would not result in a substantial adverse impact associated with the loss of potential San Francisco dusky-footed woodrat nests.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact BIO-11: The proposed project could interfere with the movement of wildlife species or with established native resident or migratory wildlife corridors.	<i>Potentially Significant</i>	SHW Mitigation BIO-11A: Implement SHW Mitigation BIO-5 . SHW Mitigation BIO-11B: The Campus shall review the final designs of the buildings at the Heller and Hagar sites to ensure that appropriate bird safety designs have been effectively incorporated to reduce potential impacts to birds.	<i>Less than Significant</i>
SHW Impact BIO-12: Outdoor lighting associated with the proposed project could impact wildlife behavior adjacent to the project sites.	<i>Potentially Significant</i>	SHW Mitigation BIO-12: Outdoor lighting shall incorporate the following design guidelines: <ul style="list-style-type: none"> • New outer outdoor lighting shall be directed away from the habitat surrounding the sites and away from the proposed enhanced wildlife movement corridors. • Dimmer lights, the use of motion sensors, and late night off-periods shall be used to minimize lighting impacts to the adjacent sensitive habitat. • Generally following the International Dark-Sky Association guidelines for minimizing light pollution, outdoor lighting shall be provided in a manner that provides for nighttime safety, utility, security, and enjoyment while preventing light trespass into natural areas surrounding the sites. • The design objective shall be to preclude any net increase in ambient lighting into adjacent sensitive habitats. • All external lighting shall include full-cutoff angles, which focus on target areas and do not extend to adjacent sensitive habitat. • Any pedestrian/bicycle pathway safety lighting shall be limited to low-bollard style lights that limit illumination to the trail surface. 	<i>Less than Significant</i>
SHW Impact BIO-13: The proposed project would not conflict with a local policy for protecting biological resources.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact BIO-14: The proposed project	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
would not conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan.			
SHW Impact BIO-15: The proposed project would not result in a substantial adverse impact on wetlands or other jurisdictional features	<i>No Impact</i>	No mitigation is required.	N/A
SHW Impact BIO-16: The proposed project would not result in substantial adverse indirect impacts related to use of rodenticides, or the introduction pet dogs and cats to the project area	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-BIO-1: The proposed project, in conjunction with other past, present and reasonably foreseeable future development, would not result in significant cumulative impacts on biological resources.	<i>Less than Significant</i>	No mitigation is required.	N/A
Cultural Resources			
SHW Impact CULT-1: The proposed project would not result in a substantial adverse change in the significance of a known historical resource.	<i>Less than Significant</i>	SHW Mitigation CULT-1: Prior to ground disturbing activities in the study area, a qualified archaeologist shall re-record and photo document the isolated feature P-UCSC-012H before removing it from its current location.	N/A
SHW Impact CULT-2: The proposed project could cause a substantial adverse change in the significance of a previously unknown historical or archaeological resource, or to human remains.	<i>Potentially Significant</i>	<p>SHW Mitigation CULT-2A: If any grading is proposed within 200 feet of the known margin of CA-SCR-142, the Campus will retain a qualified archaeologist to monitor the grading and to determine whether intact deposits are present.</p> <p>If archaeological materials are exposed by grading, the Campus shall implement LRDP Mitigation CULT-1G and LRDP Mitigation CULT-4B. If human remains are exposed and the County Sheriff-Coroner determines them to be of Native American origin, the Campus shall implement LRDP Mitigation CULT-4C.</p> <p>SHW Mitigation CULT-2B: A Native American monitor of the Amah Mutsun Tribal Band will be provided an opportunity to monitor during ground disturbance within 200 feet of a known prehistoric deposit. In addition, if a previously unknown prehistoric deposit is uncovered during construction, a native American monitor of the Amah Mutsun Tribal Band will be provided the opportunity to monitor grading within 200</p>	<i>Less than Significant</i>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		feet of the find. SHW Mitigation CULT-2C: Once the vegetation on the Hagar site is removed and before any grading for project construction is undertaken, another intensive pedestrian survey of the site will be conducted by a qualified archaeologist.	
SHW Impact CULT-3: The proposed project would not adversely affect paleontological resources or unique geologic resources.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-CULT-1: Implementation of the proposed project would not result in significant cumulative cultural resource impacts.	<i>Less than Significant</i>	No mitigation is required.	N/A
Geology and Soils			
SHW Impact GEO-1: The proposed project would not expose people and structures to substantial adverse effects related to fault rupture, seismic ground shaking, and/or seismic-related ground failure.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact GEO-2: The proposed project would not result in substantial soil erosion or the loss of topsoil.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact GEO-3: The proposed project would result in construction of facilities in an area underlain by karst features, which could lead to settlement or collapse beneath the structures.	<i>Potentially Significant</i>	SHW Mitigation GEO-3A: At the time of the building foundation excavation in areas underlain by dolines, the excavation shall be examined by the project geologist and geotechnical engineer, prior to backfilling of the excavation. A geologic map portraying the distribution of rock and soil shall be prepared by the project geologist, particularly showing the geometry of the exposed marble bedrock. If previously unidentified dolines in excess of the design void span are mapped in the excavation, the project shall be redesigned to span those voids, or further subsurface work shall be performed to adequately characterize the hazard and attendant risks related to karst processes. SHW Mitigation GEO-3B: Implement SHW Mitigations HYD-3B.	<i>Less than Significant</i>
SHW Impact GEO-4: The proposed project would not be located on expansive soils or a geologic unit that could become unstable as a result of the project.	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
SHW Impact GEO-5: The proposed project would not be located on soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-GEO-1: Implementation of the proposed SHW project would not result in significant cumulative impacts related to geology and soils.	<i>Less than Significant</i>	No mitigation is required.	N/A
Greenhouse Gas Emissions			
SHW Impact GHG-1: Project construction and operation would generate greenhouse gas emissions, either directly or indirectly, that would not have a significant impact on the environment.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact GHG-2: The proposed project would not conflict with state law, UC Policy on Sustainable Practices, or the UC Santa Cruz Climate Action Plan.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-GHG-1: The proposed project would not result in a significant cumulative GHG impact.	<i>Less than Significant</i>	No mitigation is required.	N/A
Hydrology and Water Quality			
SHW Impact HYD-1: Construction activities associated with the proposed SHW project would not substantially degrade surface or groundwater quality.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact HYD-2: Heller site development and operations would not substantially degrade surface or groundwater quality, interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level, or result in downstream erosion and flooding.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact HYD-3: Hagar site development and operations would not substantially degrade surface or groundwater quality; interfere	<i>Potentially Significant</i>	SHW Mitigation HYD-3A: Treated storm water runoff will be sampled on site, and laboratory analyzed for total suspended solids, pH, oil & grease, and nitrates and	<i>Less than Significant</i>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level or cause substantial changes in spring flows; but could result in erosion and sedimentation in Jordan Gulch.		<p>compared with applicable storm water benchmarks threshold limits in general accordance with protocols outlined in the Industrial General Permit². In the event a limit is exceeded for any of the constituents, an assessment of existing best management practices will be conducted, and appropriate changes will be made to best management practices.</p> <p>SHW Mitigation HYD-3B: A minimum 60-foot buffer shall be established between infiltration areas and critical structures, existing or planned, such as buildings, roadways, and life/safety infrastructure.</p> <p>SHW Mitigation HYD-3C: In the event that a sinkhole is formed or activated in Jordan Gulch by the discharge of storm water and recycled water from the Hagar site, a graded filter or another filtration system will be designed and constructed.</p>	
SHW Impact HYD-4: Implementation of the proposed SHW project would not substantially deplete groundwater supplies such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-HYD-1: Implementation of the proposed project would not result in significant cumulative impacts with respect to hydrology and water quality.	<i>Less than Significant</i>	No mitigation is required.	N/A
Land Use and Planning			
SHW Impact LU-1: The proposed project would not conflict with the UC Santa Cruz 2005 LRDP once amended.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact LU-2: Implementation of the proposed project would not result in development of land uses that are substantially incompatible with existing or planned adjacent	<i>Less than Significant</i>	No mitigation is required.	N/A

² While the Industrial General Permit is not applicable to the UC Santa Cruz campus, it establishes standard of care protocols for storm water analysis, qualifying storm events for sample collection, and provides benchmark threshold limits for evaluating water quality.

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
land uses.			
SHW Impact LU-3: Implementation of the proposed project would not conflict with any applicable habitat conservation plan or natural community conservation plan.	<i>No Impact</i>	No mitigation is required.	N/A
SHW Impact C-LU-1: Implementation of the proposed project would not result in significant cumulative impacts with respect to land use.	<i>Less than Significant</i>	No mitigation is required.	N/A
Noise			
SHW Impact NOIS-1: Implementation of the proposed project would not expose project residents to noise levels in excess of applicable standards.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact NOIS-2: Implementation of the proposed project would not cause a substantial permanent increase in noise levels existing without the project.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact NOIS-3: Construction associated with the proposed project would not cause a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact NOIS-4: Construction associated with the proposed project would not generate and expose nearby receptors and buildings to excessive groundborne vibration or groundborne vibrations.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-NOIS-1: Implementation of the proposed project would not result in significant cumulative noise impacts.	<i>Less than Significant</i>	No mitigation is required.	N/A
Public Services			
SHW Impact PS-1: Implementation of the proposed SHW project would not result in significant environmental impacts associated with the provision of new or altered fire protection facilities to maintain applicable service levels.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-PS-1: Implementation of the proposed project would not result in a significant	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
cumulative public service impacts.			
Transportation and Traffic			
SHW Impact TRA-1: Implementation of the proposed project would not increase traffic volumes and degrade off-campus intersection levels of service under 2020 or 2023 conditions.	<i>No Impact</i>	No mitigation is required.	N/A
SHW Impact TRA -2: Implementation of the proposed project would not substantially increase traffic volumes and degrade levels of service at existing and new intersections on the campus under 2020 conditions.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact TRA-3: Construction period traffic could temporarily impact traffic conditions along roadways serving the project sites, including potential effect on emergency vehicle access.	<i>Potentially Significant</i>	<p>SHW Mitigation TRA-3: The University shall require the Project Developer to prepare and implement a Construction Traffic Management Plan that will include, but will not necessarily be limited to, the following elements:</p> <ul style="list-style-type: none"> • Identify proposed truck routes to be used. • Specify construction hours, including limits on the number of truck trips during the AM and PM peak traffic periods (7:00 – 9:00 AM and 4:00 – 6:00 PM), if conditions demonstrate the need. • Include a parking management plan for ensuring that construction worker parking results in minimal disruption to surrounding uses. • Include a public information and signage plan to inform student, faculty and staff of the planned construction activities, roadway changes/closures, and parking changes. • Store construction materials only in designated areas that minimize impacts to nearby roadways. • Limit the number of lane closures during peak hours to the extent possible. At no time will more than one lane on any roadway be closed. Inform the Campus at least two weeks before any partial road closure. • Use California Department of Transportation (Caltrans) certified flag persons for any temporary lane closures to minimize impacts to traffic flow, and to ensure safe access into and out of the project sites. • Install traffic control devices as specified in the 	<i>Less than Significant</i>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
		<p>California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones.</p> <ul style="list-style-type: none"> • When a pedestrian/bicycle path is to be closed, detour signs will be installed to clearly designate an alternative route. Temporary fencing or other indicators of pedestrian and bicycle hazards will be provided. • To minimize disruption of emergency vehicle access, affected jurisdictions (Campus Police, City Police, County Sheriff, and City Fire Department) will be consulted to identify detours for emergency vehicles, which will then be posted by the construction contractor. • Ensure that access to fire hydrants remains available at all times. • Coordinate with local transit agencies for temporary relocation of routes or bus stops in works zones, as necessary. • Coordinate with other projects under construction in the immediate vicinity including the Kresge College project, so an integrated approach to construction-related traffic is developed and implemented. 	
SHW Impact TRA-4: Implementation of the proposed project would not result in hazards due to design features or land use incompatibilities	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact TRA-5: The proposed project would not impair emergency access in the long-term.	<i>No Impact</i>	No mitigation is required.	N/A
SHW Impact TRA-6: The proposed project would conflict with UC Santa Cruz policies related to alternative transportation.	<i>Potentially Significant</i>	SHW Mitigation TRA-6: Consistent with LRDP Mitigations TRA-4A and TRA-4C, the Campus shall monitor pedestrian traffic and transit times at the Heller Drive crossing adjacent to the project site and, if warranted, extend the existing crossing guard program to this crossing.	<i>Less than Significant</i>
SHW Impact C-TRA-1: Implementation of the proposed SHW project would not result in significant cumulative traffic impacts.	<i>Less than Significant</i>	No mitigation is required.	<i>Less than Significant</i>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Tribal Cultural Resources			
SHW Impact TCR-1: The proposed project could cause a substantial adverse change in the significance of a Tribal Cultural Resource as defined in Section 21074.	<i>Potentially Significant</i>	SHW Mitigation TCR-1: Implement SHW Mitigation CULT-2A through 2C.	<i>Less than Significant</i>
SHW Impact C-TCR-1: Implementation of the proposed project would not result in a significant cumulative impact on Tribal Cultural Resources.	<i>Less than Significant</i>	No mitigation is required.	N/A
Utilities and Service Systems			
SHW Impact UTIL-1: The proposed project would not cause an exceedance of applicable wastewater treatment requirements but would entail the construction of new wastewater treatment facilities, the construction of which could result in significant environmental effects.	<i>Potentially Significant</i>	SHW Impact UTIL-1: Implement SHW Mitigations BIO-1B, BIO-2, and CULT-2B.	<i>Less than Significant</i>
SHW Impact UTIL-2: The proposed project would not require the construction of off-site wastewater conveyance infrastructure, the construction of which could cause significant environmental effects.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact UTIL-3: The proposed project would require the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.	<i>Potentially Significant</i>	SHW Mitigation UTIL-3: Implement SHW Mitigations BIO-1B, BIO-2, and CULT-2B.	<i>Less than Significant</i>
SHW Impact UTIL-4: The proposed project would increase the amount of water used on the project site, and would be adequately served by existing entitlements and water resources under normal water years but not under multiple dry year conditions.	<i>Significant</i>	No mitigation is feasible.	<i>Significant and Unavoidable</i>
SHW Impact UTIL-5: The proposed project would increase the amount of solid waste generated on the project site, but would be adequately served by the regional landfill and would also comply with federal, state, and local statutes and regulations related to solid waste.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact C-UTIL-1: The proposed project, in conjunction with other past, present and reasonably foreseeable future development,	<i>Significant</i>	No mitigation is feasible.	<i>Significant and Unavoidable</i>

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
would result in a significant cumulative impact on utilities.			
Energy			
SHW Impact EN-1: Construction and operation of the proposed project would increase the use of energy resources on the project site but would not result in wasteful, inefficient or unnecessary consumption of energy resources.	<i>Less than Significant</i>	No mitigation is required.	N/A
SHW Impact EN-2: The proposed project would not require or result in the construction of new or expanded electrical or natural gas facilities, which would cause significant environmental effects.	<i>Less than Significant</i>	No mitigation is required.	N/A
Other Resources			
Impact AG-1: The proposed SHW project and the related dining facilities expansion project would not convert farmland to non-agricultural use, conflict with existing zoning for agricultural use or a Williamson Act contract, or conflict with existing zoning for, or cause rezoning of, forestland or timberland. In addition, the proposed SHW project and the related dining facilities expansion project would not result in the loss of forestland or conversion of forestland to non-forest use, or involve other changes in the existing environment that could result in conversion of Farmland to non-agricultural use.	<i>Less than Significant</i>	No mitigation is required.	N/A
Impact HAZ-1: The proposed SHW project and the related dining facilities expansion project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.	<i>Less than Significant</i>	No mitigation is required.	N/A
Impact HAZ-2: The proposed SHW project and the related dining facilities expansion project would not 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.	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Impact HAZ-3: The proposed SHW project and the related dining facilities expansion project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.	<i>No Impact</i>	No mitigation is required.	N/A
Impact HAZ-4: The proposed SHW project and the related dining facilities expansion project would not be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, it would not create a significant hazard to the public or the environment.	<i>No Impact</i>	No mitigation is required.	N/A
Impact HAZ-5: The proposed SHW project and dining facilities expansion project would not be located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, and the proposed project would not result in a safety hazard for people residing or working in the project area.	<i>No Impact</i>	No mitigation is required.	N/A
Impact HAZ-6: The proposed SHW project and the related dining facilities expansion project would not be located within the vicinity of a private airstrip, and would not result in a safety hazard for people residing or working in the project area.	<i>No Impact</i>	No mitigation is required.	N/A
Impact HAZ-7: The proposed SHW project and the related dining facilities expansion project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.	<i>Less than Significant</i>	No mitigation is required.	N/A
Impact HAZ-8: The proposed SHW project and the related dining facilities expansion project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands.	<i>Less than Significant</i>	No mitigation is required.	N/A
Impact MR-1: The proposed SHW and dining facilities expansion projects would not result in	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
the loss of availability of a known mineral resource or in the loss of availability of a locally important mineral resource recovery site.			

**Table 2.0-2
Summary of Dining Facilities Expansion Project Impacts and Mitigation Measures**

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
Aesthetics			
DF Impact AES-1: The implementation of the proposed dining facilities project would not result in a significant impact on scenic vistas, scenic resources, visual character and quality, or light and glare.	<i>Less than Significant</i>	No mitigation is required.	N/A
Air Quality			
DF Impact AIR-1: The implementation of the proposed dining facilities project would not result in a significant impact on air quality during construction and operations.	<i>Less than Significant</i>	No mitigation is required.	N/A
Biological Resources			
DF Impact BIO-1: The proposed dining facilities expansion project would not result in potential significant impacts to nesting birds.	<i>Less than Significant</i>	No mitigation is required.	N/A
DF Impact BIO-2: The proposed dining facilities expansion project would result in potential significant impacts to California red-legged frog.	<i>Potentially Significant</i>	DF Mitigation BIO-2: Implement SHW Mitigation BIO-5A.	<i>Less than Significant</i>
DF Impact BIO-3: Implementation of the proposed dining facilities expansion project would not interfere with wildlife movement.	<i>Less than Significant</i>	No mitigation is required.	N/A
DF Impact BIO-4: Implementation of the proposed dining facilities expansion project would not result in any significant conflicts with	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
local plans and policies.			
Cultural Resources			
DF Impact CULT-1: The implementation of the proposed dining facilities expansion project would not cause a substantial adverse change in the significance of prehistoric or historic period archaeological resources, human remains, or paleontological resources.	<i>Less than Significant</i>	No mitigation is required.	N/A
Geology and Soils			
DF Impact GEO-1: The proposed dining facilities expansion project would not expose people and structures to substantial adverse effects related to fault rupture, seismic ground shaking, seismic-related ground failure, landslides and cut slopes, or existing geologic conditions. Project implementation would also not result in substantial soil erosion or involve soils incapable of adequately supporting the use of septic tanks.	<i>Less than Significant</i>	No mitigation is required.	N/A
Greenhouse Gas Emissions			
DF Impact GHG-1: The proposed dining facilities project would not generate greenhouse gas emissions, either directly or indirectly, that would have a significant impact on the environment, nor would the proposed trail conflict with any applicable plans or policies for reducing greenhouse gas emissions.	<i>Less than Significant</i>	No mitigation is required.	N/A
Hydrology			
DF Impact HYD-1: The implementation of the proposed dining facilities expansion project would not have a significant impact related to water quality; siltation, erosion or flooding due to the alternation of drainage patterns; and groundwater recharge.	<i>Less than Significant</i>	No mitigation is required.	N/A
Land Use and Planning			
DF Impact LU-1: The proposed dining facilities expansion project would not conflict with the 2005 LRDP or with plans, policies, and regulations. In addition, implementation of the proposed dining expansion facilities project	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
would not result in incompatible land uses nor would it conflict with an applicable habitat conservation plan or natural community conservation plan.			
Noise			
DF Impact NOI-1: Construction activities associated with the dining facilities expansion project would substantially increase noise levels at residential uses in the vicinity but would not expose persons to excessive groundborne vibration. The proposed project would not increase traffic-related noise levels.	<i>Significant</i>	No further mitigation is feasible.	<i>Significant and Unavoidable</i>
Public Services			
DF Impact PS-1: The implementation of the proposed dining facilities expansion project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for fire protection, police, schools, and parks. In addition, implementation of the proposed dining expansion facilities project would not increase the use of existing neighborhood and regional parks or other recreation facilities such that substantial physical deterioration of the facility would occur or be accelerated.	<i>Less than Significant</i>	No mitigation is required.	N/A
Transportation and Traffic			
DF Impact TRA-1: The implementation of the proposed dining facilities expansion project would not conflict with any applicable plans, ordinances or policies establishing measures of effectiveness for the performance of the traffic circulation system; increase traffic hazards; or result in inadequate emergency access.	<i>Less than Significant</i>	No mitigation is required.	N/A
Tribal Cultural Resources			
DF Impact TCR-1: Implementation of the proposed project would be unlikely to cause a	<i>Less than Significant</i>	No mitigation is required.	N/A

Project Impacts	Significance Before Mitigation	Mitigation Measures	Significance After Mitigation
substantial adverse change in the significance of a Tribal Cultural Resource.			
Utilities and Service Systems			
<p>DF Impact UTIL-1: The implementation of the proposed dining facilities project would not cause substantial adverse impacts requiring new or expanded water supply or expansion of a water delivery system; result in the construction of new wastewater treatment facilities or conveyance systems; or require construction or expansion of new storm water drainage facilities. The proposed dining facilities project would comply with all regulations related to solid waste and there would be sufficient landfill capacity to serve the proposed project.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>
Energy			
<p>DF Impact EN-1: Construction and operation of the proposed dining facilities expansion project would minimally increase the consumption of energy but would not result in wasteful, inefficient or unnecessary consumption of energy or exceed the capacity of distribution systems.</p>	<p><i>Less than Significant</i></p>	<p>No mitigation is required.</p>	<p>N/A</p>