Mitigation Monitoring and Reporting Program

SAN JOSÉ STATE UNIVERSITY
Campus Master Plan
for Santa Clara County Properties

May 2025

Mitigation Monitoring and Reporting Program for the San José State University Campus Master Plan

State Clearinghouse No. 2023030435

Prepared for

San José State University
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May 2025

MITIGATION MONITORING AND REPORTING PROGRAM

In accordance with the California Environmental Quality Act (CEQA, Public Resources Code [PRC] Section 21000 et seq.), California State University (CSU) Board of Trustees (Trustees) prepared an environmental impact report (EIR) (State Clearinghouse No. 2023030435) for the proposed San José State University (SJSU or University) Campus Master Plan (Campus Master Plan) that identified significant or potentially significant impacts related to: Aesthetics; Air Quality; Biological Resources; Cultural Resources; Geology and Soils; Greenhouse Gas Emissions and Climate Change; Hazards and Hazardous Materials; Hydrology and Water Quality; Noise and Vibration; Transportation; and Tribal Cultural Resources. Significant cumulative impacts would occur with respect to Aesthetics; Air Quality; Biological Resources; Cultural Resources; Geology and Soils; Greenhouse Gas Emissions and Climate Change; Hazards and Hazardous Materials; Hydrology and Water Quality; Noise and Vibration; Transportation; and Tribal Cultural Resources. The EIR also identified mitigation measures that would reduce the identified impacts to less-than-significant levels, where feasible.

CEQA and the State CEQA Guidelines (PRC Section 21081.6 and State CEQA Guidelines Sections 15091[d] and 15097) require public agencies "to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval to mitigate or avoid significant effects on the environment." A mitigation monitoring and reporting program (MMRP) has been prepared for the project because the EIR identifies significant adverse impacts related to the project implementation, and mitigation measures have been identified to reduce those impacts. Adoption of the MMRP would occur along with approval of the Student Housing Project EIR.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

The MMRP has been prepared to ensure that all required mitigation measures are implemented and completed in a satisfactory manner before and during project construction and operation, as applicable.

The MMRP table provided herein has been prepared to assist the responsible parties in implementing the mitigation measures. The table identifies the impact, individual mitigation measures, monitoring responsibility, mitigation timing. The table also provides space to confirm implementation of the mitigation measures after project approval. The numbering of mitigation measures follows the numbering sequence found in the EIR. Mitigation measures that are referenced more than once in the Draft EIR are not duplicated in the MMRP table.

ROLES AND RESPONSIBILITIES

Unless otherwise specified herein, CSU Board of Trustees is responsible for taking all actions necessary to implement the mitigation measures under its jurisdiction according to the specifications provided for each measure and for demonstrating that the action has been successfully completed. The Trustees, at its discretion, may delegate implementation responsibility or portions thereof to a licensed contractor or other designated agent.

PRC Section 21081.6 requires the lead agency to identify the "custodian of documents and other material" which constitutes the "record of proceedings" upon which the action on the project was based. The Trustees, or designee, is the custodian of such documents for the San José State University Campus Master Plan EIR. Inquiries should be directed to:

> Stacey White, AIA, LEED AP, Senior Director of Capital & Physical Planning and Real Estate
> Facilities Development & Operations
> campusmasterplan@sjsu.edu

The location of this information is:

> San José State University
> Facilities Development and Operations
> 1 Washington Square, Corporation Yard A
> San José, CA 95192

The Trustees are responsible for overall administration of the MMRP and for verifying that staff, the construction contractor, or other designated party has completed the necessary actions for each measure. The party responsible for implementing each item will identify the staff members responsible for coordinating with the Trustees on the MMRP.

REPORTING

The Trustees shall require the contractor(s) to maintain records documenting compliance of the activity with the required mitigation measures. Information regarding inspections and other requirements shall be compiled and explained in monthly reports. The reports shall be designed to simply and clearly identify whether mitigation measures have been adequately implemented. At a minimum, each report shall identify the mitigation measures or conditions to be monitored for implementation, whether compliance with the mitigation measures or conditions has occurred, the procedures used to assess compliance, and whether further action is required.

MITIGATION MONITORING AND REPORTING PROGRAM TABLE

The categories identified in the attached MMRP table are described below.

- Impact – This column provides the verbatim text of the identified impact.
- Mitigation Measure – This column provides the verbatim text of the adopted mitigation measure.
- Monitoring and Reporting Procedure – This column identifies discrete actions to be implemented as part of the broader mitigation measure.
- Timing – This column identifies the time frame in which the mitigation will be implemented.
- Verification – This column identifies the party responsible for verifying compliance and is to be dated and signed by that party (either project manager or his/her designee).

Table 3-1 SJSU Campus Master Plan Mitigation Monitoring and Reporting Program

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Aesthetics					
Impact 3.1-2: Create a New Source of Substantial Light or Glare That Adversely Affects Day or Nighttime Views	**Mitigation Measure 3.1-2a: Use Minimally Reflective Materials on Building Surfaces** SJSU shall require the use of minimally reflective exterior surfaces and nonreflective (mirrored) glass for all new or redeveloped buildings and structures.	Review of project-specific design plans	DE, CO	Prior to final design approval, during construction	SJSU Facilities Development and Operations
	Mitigation Measure 3.1-2b: Prepare and Implement Lighting Plans Before approval of development plans for any buildings or structures over five stories in height or modifications to existing field lighting, SJSU shall prepare site-specific lighting plans that shall be implemented as part of project construction/implementation. The lighting plans shall be prepared by a qualified engineer who is an active member of the Illuminating Engineering Society of North America using guidance and best practices endorsed by the International Dark Sky Association. The lighting plans shall address all aspects of the lighting, including but not limited to all buildings, infrastructure, parking lots, driveways, safety, and signage. The lighting plans shall include the following, as feasible, in conjunction with other measures determined feasible by the illumination engineer: ▶ the point source of exterior lighting shall be shielded from off-site viewing locations; ▶ light trespass from exterior lights shall be minimized by directing light downward and using cutoff fixtures or shields; and ▶ illumination from exterior lights shall be the lowest level necessary to provide adequate public safety.	Review of project-specific lighting plans	DE, CO	Prior to final design approval, during construction	SJSU Facilities Development and Operations
	Mitigation Measure 3.1-2c: Use Directional Lighting for Campus Development SJSU shall require all new, permanent outdoor lighting fixtures to utilize directional lighting methods (e.g., shielding and/or cutoff-type light fixtures) to minimize glare and light spillover onto adjacent buildings and structures. In addition, light placement and orientation shall also be considered such that light spillover is reduced at nearby land uses, to the extent feasible. Verification of inclusion in project design shall be provided at the time of design review.	Review of project-specific lighting plans	DE	Prior to final design approval	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Air Quality					
Impact 3.2-2: Construction and Operational Criteria Air Pollutants and Ozone Precursors	**Mitigation Measure 3.2-2a: Construction Dust Control Measures** To reduce construction-related fugitive dust emissions during construction activities, SJSU shall ensure that all construction contractors comply with the following measures during all construction activities: ▶ All exposed ground surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day or as otherwise needed to control dust. ▶ 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 when necessary. The use of dry power sweeping is prohibited. ▶ All vehicle speeds on unpaved roads shall be limited to 15 mph. ▶ All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 miles per hour. ▶ All trucks and equipment, including their tires, shall be washed off prior to leaving the site, where worksites are unpaved. ▶ Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, gravel, road base, or any other suitable material so long as it achieves the desired outcome of reducing entrained road dust from vehicular travel. ▶ 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 the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. ▶ Post a publicly visible sign with the telephone number and person to contact as the Responsible Entity 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.	Incorporation of measures as part of construction specifications; Documentation; Inspection of construction site at regular intervals during construction to verify compliance with specified construction-generated emissions reduction measures.	CO	Regular intervals throughout construction period	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.2-2b: Use Low VOC Paints To reduce construction-related ROG emissions during construction, all construction activities shall use low-VOC (i.e., ROG) interior and exterior coatings that are no greater than 10 grams per liter.	Review of construction specifications. Inspect construction site to verify that measure is being implemented.	CO	During construction	SJSU Facilities Development and Operations
	Mitigation Measure 3.2-2c: Reduce Operational Emissions of ROG and PM_{10} from All Sources To reduce area-wide emissions of ROG from architectural coatings and landscaping equipment, SJSU shall implement the following measures as part of operations and maintenance activities by the University: ▶ Use zero or low-VOC consumer products and cleaning supplies that exceed CARB's consumer product VOC standards (as defined in CCR Title 17, Division 3, Chapter 1, Subchapter 8.5, Articles 1 through 5), such as those using electrolyzed water. ▶ Use zero-VOC architectural coatings with a VOC content no greater than 0 grams per liter. ▶ Choose zero emission vehicles for all new light-duty fleet purchases, where available and suitable to the proposed use. ▶ Choose zero or low emission vehicles for all new heavy-duty fleet purchases, where available.	Document measures in final project plans and specifications. Implement measures to reduce emissions of ROG and PM_{10} as specified.	DE, CO, OP	Prior to final design approval, during construction, during project operation	SJSU Facilities Development and Operations
Impact 3.2-4: Toxic Air Contaminants	**Mitigation Measure 3.2-3a: Reduce Construction-Generated Emissions of Diesel PM** To reduce construction-related diesel PM exhaust emissions from the use of heavy-duty construction equipment, SJSU shall ensure that all construction contractors comply with the following measures: ▶ SJSU shall require by contract specification that all off-road diesel construction equipment (greater than 50 horsepower) used by the contractor shall be powered by engines that meet, at a minimum, the Tier 4 (final) California Emissions Standards for off-road diesel engines. ▶ Lower tiered engines will be allowed when the contractor has documented that no Tier 4 final equipment or emissions equivalent retrofit equipment is available or feasible for the project; however, the use of lower tiered engines would require the use of alternatives to traditional diesel fuel, such as High-Performance Renewable Diesel or electrification of equipment, to ensure that overall fleetwide average emissions are sufficiently reduced.	Incorporation of measures as part of construction specifications; Documentation; Inspection of construction site at regular intervals during construction to verify compliance with specified construction-generated DPM emissions reduction measures.	CO	Regular intervals throughout construction period	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.2-3b: Reduce Onsite Diesel Particulate Matter Emissions from Stationary Sources SJSU shall design all future building energy needs and associated backup power sources such that diesel fuel is not required. The design may incorporate the use of onsite renewable energy sources such as solar, backup battery storage, or other available technologies at the time of final building design and construction, so long as diesel powered stationary equipment are not used.	Review of project-specific design plans	DE, CO	Prior to final design approval, during construction	SJSU Facilities Development and Operations
Biological Resources					
Impact 3.3-1: Result in Disturbance to or Loss of American Peregrine Falcon and Common Raptor and Other Common Native Bird Nests	**Mitigation Measure 3.3-1: Avoid Disturbance to American Peregrine Falcon and Common Bird Nests** To avoid and minimize impacts on American peregrine falcon and the nests of common raptors and other nesting birds, following measures will be implemented prior to and during demolition and construction activities: ▶ To the extent feasible, SJSU or its designated contractor(s) shall schedule work between August 31 and February 1 to avoid the nesting period for American peregrine falcon, common raptors, and other common native nesting birds. ▶ If work is required during the nesting season for American Peregrine falcon, common raptors, and other common native nesting birds (February 1 – August 31), a qualified biologist shall conduct a preconstruction survey to identify American peregrine falcon nests and other raptor nests within 500 feet, and other bird nests within 50 feet, of the work area. The survey shall be conducted no more than 14 calendar days before the beginning of construction. ▶ If non-raptor bird nests are located within 50 feet of the work area, or American peregrine falcon or other raptor nests are located within 500 feet of the work area, SJSU or its designated contractor(s) shall establish appropriate no-construction buffers around active nest sites. Project activities shall not commence within the buffer areas until a qualified biologist has determined that the nest is no longer active, the young have fledged, or that reducing the buffer would not likely result in nest abandonment. ▪ Factors to be considered for determining the appropriate location and extent of no-construction buffers shall include presence of natural buffers provided by vegetation, buildings, or topography; nest height above ground; baseline levels of noise and human activity (e.g., Senter Road, other nearby urban development); and species sensitivity. ▶ Monitoring of active nests by a qualified biologist during and after construction activities shall be required if the activity has potential to adversely affect a nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases.	Confirm that demolition and construction activities will initiate outside of nesting season. If not, retain a qualified biologist to conduct preconstruction surveys. Conduct preconstruction nesting bird surveys, comply with biologist recommendations, establish buffers if necessary. Include mitigation specifications in construction specifications as necessary.	DE, CO	Prior to and during construction	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Impact 3.3-2: Result in Disturbance to or Loss of Special-Status Bat Maternity and Hibernation Roosts	**Mitigation Measure 3.3-2: Avoid Disturbance of Bat Maternity and Hibernation Roosts** To avoid and minimize impacts to special-status and common bat species the following measures shall be implemented before and during demolition and construction activities: ▶ Within 14 days prior to initiating work, a qualified bat biologist shall inspect the area of disturbance and adjacent areas (within 50 feet) for bat roosts (most likely buildings and mature trees with crevices, cavities and dense vegetation of broad leaves). Surveys shall consist of a daytime pedestrian survey by a qualified bat biologist looking for evidence of bat use (e.g., guano) and/or an evening emergence survey to note the presence or absence of bats. If no bat roosts are found, then no further study is required. If evidence of bat use is observed, the number and species of bats using the roost may be determined, or the presence of pallid bat and Townsend's big-eared bat may be assumed. Acoustic bat detectors may be used to supplement survey efforts but are not required. ▶ If roosts of bats are determined to be present within buildings and other structures, direct disturbance to the roost, such as demolition or renovation of buildings, shall be avoided during the maternity roosting season (April 15 through August 31) and hibernation season (October 15 through March 1). Eviction and exclusion of bats may be implemented prior to demolition using daytime installation of one-way exits and blocking material during the period of March 1 through April 15 or September 1 through October 15, outside of the maternity roosting season and hibernation season. Once it is determined that bats are no longer present within the roost, demolition may proceed. ▶ If bat roosts are determined to be present within trees on the Master Plan Area, any removal of trees occupied by bats shall occur during the period of March 1 through April 15 or September 1 through October 15, outside of the maternity roosting season and hibernation season. To remove whole trees, pruning of branches and limbs that do not provide habitat shall occur the day prior to removal of the bole of the tree; this initial planned disturbance may prompt and allow bats to leave the tree during the night between limb and bole removal. The bole of the tree may be removed the following day.	Ongoing avoidance during construction activities as outlined in the measure if bats are positively identified by qualified biologist.	DE, CO	Prior to and during construction	SJSU Facilities Development and Operations
Impact 3.3-3: Result in Disturbance to Wildlife Movement Corridors or Nurseries	**Mitigation Measure 3.3-3: Avoid Disturbance of Special-Status and Common Bat Maternity Roosts** To avoid and minimize impacts to maternity roosts of common bats, SJSU shall implement the measures described in Mitigation Measure 3.3-2, above.	See Mitigation Measure 3.3-2	See Mitigation Measure 3.3-2	See Mitigation Measure 3.3-2	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Cultural Resources					
Impact 3.4-1: Cause a Substantial Adverse Change in the Significance of a Historical Resource	**Mitigation Measure 3.4-1a: Conduct Project-Specific Evaluations Within the Historic District** Prior to the alteration or demolition of any building within the historic district defined under P-43-3536 (Tower Hall, Morris Dailey Auditorium, Dwight Bentel Hall, Old Science Building [Washington Square Hall], Home Economics Building [Central Classroom Building], or the Men's Gym [Yoshihiro Uchida Hall]), SJSU shall retain a qualified architectural historian to evaluate all buildings against National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and California Landmark criteria to comply with PRC Section 5024.5. This evaluation shall be done at a district level and character-defining features shall be identified.	Retain qualified architectural historian who shall perform work as specified.	SS, DE	During site selection and/or project design	SJSU Facilities Development and Operations
	Mitigation Measure 3.4-1b: Conduct Project-Specific Level Surveys Prior to altering or otherwise affecting a building or structure 50 years old or older, SJSU shall retain a qualified architectural historian to record it on a California Department of Parks and Recreation DPR 523 form or equivalent documentation, if the building or structure has not previously been evaluated. Its significance shall be assessed by a qualified architectural historian and evaluated against National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and California Landmark criteria. The evaluation process shall include the development of appropriate historical background research as context for the assessment of the significance of the structure in the history of the University system, the campus, and the region. For buildings or structures that do not meet significance and integrity criteria, no further mitigation is required.	Retain a qualified architectural historian to record buildings or structures 50 years old or older that have not been evaluated previously, as specified; Documentation	SS, DE	During site selection and/or project design	SJSU Facilities Development and Operations
	Mitigation Measure 3.4-1c: Protect Historical Resources Prior to the repair, alteration, or demolition of any building or structure that qualifies as a historical resource, a qualified architectural historian and SJSU shall consult to consider measures that would enable the project to avoid direct or indirect impacts to the building or structure. If the project cannot avoid modifications to a historic building or structure: (i) If the building or structure can be preserved on-site, but remodeling, renovation or other alterations are required, this work shall be conducted in compliance with the Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings. (ii) If a significant historic building or structure is proposed for major alteration or renovation, or to be moved and/or demolished, SJSU shall ensure that a qualified architectural historian thoroughly documents the building and associated landscaping and setting. Documentation shall include still and video photography and a written documentary record of the building to the standards of the Historic American Building	Consult with the architectural historian; Documentation and treatment by a qualified architectural historian as specified; Implement more substantial modifications to the project that would allow the structure to be preserved intact	SS, DE	During site selection and/or project design	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Survey or Historic American Engineering Record, including accurate scaled mapping, architectural descriptions, and scaled architectural plans, if available. A copy of the record shall be deposited with the University's library. The record shall be accompanied by a report containing site-specific history and appropriate contextual information. This information shall be gathered through site specific and comparative archival research, and oral history collection as appropriate. (iii) If preservation and reuse at the site are not feasible, the qualified architectural historian shall document the historical building as described in item (ii) and, when physically and financially feasible, be moved and preserved or reused. (iv) If, in the opinion of the qualified architectural historian, the nature and significance of the building is such that its demolition or destruction cannot be fully mitigated through documentation, SJSU shall reconsider project plans in light of the high value of the resource, and implement more substantial modifications to the project that would allow the structure to be preserved intact. These could include project redesign, relocation, or abandonment. If no such measures are feasible, the historical building shall be documented by the qualified architectural historian as described in item (ii).				
Impact 3.4-2: Cause a Substantial Adverse Change in the Significance of Unique Archaeological Resources	**Mitigation Measure 3.4-2a: Identify and Protect Unknown Archaeological Resources** During project-specific environmental review of development under the Campus Master Plan, SJSU shall define each project's area of effect for archaeological resources. The University shall determine the potential for the project to result in cultural resources impacts, based on the extent of ground disturbance and site modification anticipated for the project. The University shall determine the level of archaeological investigation that is appropriate for the project site and activity, as follows: ▶ Minimum: excavation less than 18 inches deep and less than 1,000 sf of disturbance (e.g., a trench for lawn irrigation, tree planting, etc.). Implement Mitigation Measure 3.4-2a(i). ▶ Moderate: excavation below 18 inches deep and/or over a large area on any site that is not adjacent to a recorded archaeological site and is not suspected to be a likely location for archaeological resources. Implement Mitigation Measure 3.4-2a(i) and (ii). ▶ Intensive: excavation below 18 inches and/or over a large area on any site that is adjacent to a recorded archaeological site. Implement Mitigation Measure 3.4-2a(i), (ii), and (iii). The University shall implement the following steps to identify and protect archaeological resources that may be present in the project's area of effects:	Determine appropriate level of archaeological investigation. Include specified avoidance and control measures in construction specifications. Contractors and employees shall be notified when they are required to watch for potential archaeological sites and attend a training session to be provided by a qualified archaeologist.	DE	During project design, prior to construction	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	(i) For project sites at all levels of investigation, contractor crews shall be required to attend a training session prior to the start of earth moving, regarding how to recognize archaeological sites and artifacts and what steps shall be taken to avoid impacts to those sites and artifacts. In addition, campus employees whose work routinely involves disturbing the soil shall be informed how to recognize evidence of potential archaeological sites and artifacts. Prior to disturbing the soil, contractors shall be notified that they are required to watch for potential archaeological sites and artifacts and to notify SJSU if any are found. In the event of a find, SJSU shall implement item (v), below. (ii) For project sites requiring a moderate or intensive level of investigation, a surface survey shall be conducted by a qualified archaeologist once the area of ground disturbance has been identified and prior to soil-disturbing activities. For sites requiring moderate investigation, in the event of a surface find, intensive investigation will be implemented, as per item (iii), below. Irrespective of findings, the qualified archaeologist shall, in consultation with SJSU, develop an archaeological monitoring plan to be implemented during the construction phase of the project. If the project site contains precontact archaeological site(s) or it is recommended by the archaeologists, SJSU shall notify the appropriate Native American tribe and extend an invitation for monitoring. The frequency and duration of monitoring shall be adjusted in accordance with survey results, the nature of construction activities, and results during the monitoring period. A written report of the results of the monitoring will be prepared and filed with the appropriate Information Center of the California Historical Resources Information System. In the event of a discovery, SJSU shall implement item (v), below. (iii) For project sites requiring intensive investigation, irrespective of subsurface finds, SJSU shall retain a qualified archaeologist to conduct a subsurface investigation of the project site, to ascertain whether buried archaeological materials are present and, if so, the extent of the deposit relative to the project's area of effects. If an archaeological deposit is discovered, the archaeologist shall prepare a site record and a written report of the results of investigations and filed with the appropriate Information Center of the California Historical Resources Information System. If it is determined that the resource extends into the project's area of effects, the resource shall be evaluated by a qualified archaeologist, who shall determine whether it qualifies as a historical resource or a unique archaeological resource under the criteria of CEQA Guidelines § 15064.5. If the resource does not qualify, or if no resource is present within the project's area of effects, this shall be noted in the environmental document				

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	and no further mitigation is required unless there is a discovery during construction. In the event of a discovery item (v), below shall be implemented. (iv) If archaeological material within the project's area of effects is determined to qualify as an historical resource or a unique archaeological resource (as defined by CEQA), SJSU shall consult with the qualified archaeologist to consider means of avoiding or reducing ground disturbance within the site boundaries, including minor modifications of building footprint, landscape modification, the placement of protective fill, the establishment of a preservation easement, or other means that will avoid or substantially preserve the resource in place. If avoidance or substantial preservation in place is not possible, SJSU shall implement Mitigation Measure 3.4-2b. (v) If archaeological material is discovered during construction (whether or not an archaeologist is present), all soil disturbing work within 100 feet of the find shall cease. The University shall contact a qualified archaeologist to provide and implement a plan for survey, subsurface investigation as needed to define the deposit, and assessment of the remainder of the site within the project area to determine whether the resource is significant and would be affected by the project. Mitigation Measure 3.4-2a, steps (iii) and (iv) shall be implemented.				
	Mitigation Measure 3.4-2b: Protect Known Unique Archaeological Resources For an archaeological site that has been determined by a qualified archaeologist to qualify as a unique archaeological resource through the process set forth under Mitigation Measure 3.4-2a, and where it has been determined under Mitigation Measure 3.4-2a that avoidance or preservation in place is not feasible, a qualified archaeologist, in consultation with the University, and Native American tribes as applicable, shall: (i) Prepare a research design and archaeological data recovery plan for the recovery that will capture those categories of data for which the site is significant and implement the data recovery plan prior to or during development of the site. (ii) Perform appropriate technical analyses, prepare a full written report and file it with the appropriate information center, and provide for the permanent curation of recovered materials. (iii) If, in the opinion of the qualified archaeologist and in light of the data available, the significance of the site is such that data recovery cannot capture the values that qualify the site for inclusion on the CRHR, the University shall reconsider project plans in light of the high value of the resource, and implement more substantial modifications to the project that would allow the site to be preserved intact, such as project redesign, placement of fill, or project relocation or abandonment. If no such measures are feasible, the campus shall implement Mitigation Measure 3.4-2c.	Retain qualified archaeologist who shall perform work as specified.	SS, DE	During site selection and/or project design	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.4-2c: Document Unique Archaeological Resources If a significant unique archaeological resource cannot be preserved intact, before the property is damaged or destroyed, the University shall ensure that the resource is appropriately documented. For an archaeological site, a program of research-directed data recovery shall be conducted and reported, consistent with Mitigation Measure 3.4-2a.	Define area of potential Retain qualified archaeologist who shall perform work as specified	SS, DE	During site selection and/or project design	SJSU Facilities Development and Operations
Geology and Soils					
Impact 3.6-2: Directly or Indirectly Cause Potential Substantial Adverse Effects, including the Risk of Loss, Injury, or Death Involving Seismic-Related Ground Failure, including Liquefaction	**Mitigation Measure 3.6-2: Perform Site-Specific Geotechnical Investigations and/or Soils Engineering Reports** For any areas within the Master Plan Area where development is proposed and which is located within an area designated as having a potential for liquefaction and other geologic hazards, SJSU shall perform site-specific geotechnical investigations and/or soils engineering reports. Based on the findings above, the Master Plan Area is located within an area susceptible to liquefaction. Any appropriate stabilization and site design recommendations or low impact development features determined to be necessary to support proposed development shall be incorporated into the project design and implemented as part of project construction and operation. Before final project approval, the University shall incorporate into the project design all recommendations identified in the final site-specific geotechnical investigation and/or soils engineering report prepared for the project. All recommendations shall be shown on final plans and/or included as project specifications and conditions of approval.	Prepare site-specific geotechnical investigations, comply with recommendations. Incorporate and implement project-specific recommendations into project design. Identify recommendations in final plans or project specifications.	DE	During project design and prior to project approval	SJSU Facilities Development and Operations
Impact 3.6-4: Be Located on a Geologic Unit That Is Unstable, or That Would Become Unstable as a Result of the Project, and Potentially Result in On- or Off-Site Landslide, Lateral Spreading, Subsidence, Liquefaction, or Collapse	**Mitigation Measure 3.6-4: Perform Site-Specific Geotechnical Investigations and/or Soils Engineering Reports** For any areas within the Master Plan Area where development is proposed and which is located within an area designated as having a potential for liquefaction and other geologic hazards, SJSU shall perform site-specific geotechnical investigations and/or soils engineering reports. Based on the findings above, the Master Plan Area is located within an area susceptible to liquefaction. Any appropriate stabilization and site design recommendations or low impact development features determined to be necessary to support proposed development shall be incorporated into the project design and implemented as part of project construction and operation. Before final project approval, the University shall incorporate into the project design all recommendations identified in the final site-specific geotechnical investigation and/or soils engineering report prepared for the project. All recommendations shall be shown on final plans and/or included as project specifications and conditions of approval.	See Mitigation Measure 3.6-2	See Mitigation Measure 3.6-2	See Mitigation Measure 3.6-2	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Impact 3.6-5: Be Located on Expansive Soil, as Defined in Table 18-1-B of the Uniform Building Code (1994), Creating Substantial Direct or Indirect Risks to Life and Property	**Mitigation Measure 3.6-5: Perform Site-Specific Geotechnical Investigations and/or Soils Engineering Reports** For any areas within the Master Plan Area where development is proposed and which is located within an area designated as having a potential for liquefaction and other geologic hazards, SJSU shall perform site-specific geotechnical investigations and/or soils engineering reports. Based on the findings above, the Master Plan Area is located within an area susceptible to liquefaction. Any appropriate stabilization and site design recommendations or low impact development features determined to be necessary to support proposed development shall be incorporated into the project design and implemented as part of project construction and operation. Before final project approval, the University shall incorporate into the project design all recommendations identified in the final site-specific geotechnical investigation and/or soils engineering report prepared for the project. All recommendations shall be shown on final plans and/or included as project specifications and conditions of approval.	See Mitigation Measure 3.6-2	See Mitigation Measure 3.6-2	See Mitigation Measure 3.6-2	SJSU Facilities Development and Operations
Impact 3.6-6: Directly or Indirectly Destroy a Unique Paleontological Resource or Site or Unique Geologic Feature	**Mitigation Measure 3.6-6: Implement Procedures for the Inadvertent Discovery of Paleontological Resources** If any paleontological resources are encountered during the course of development of specific projects under the Campus Master Plan, the construction contractor shall ensure that activities in the immediate area of the find are halted and the University is informed. The University shall retain a qualified paleontologist to evaluate the discovery and prepare a survey, study, or report evaluating the discovery and include recommendations pursuant to guidelines developed by the Society of Vertebrate Paleontology, including development and implementation of a paleontological resource impact mitigation program for treatment of the discovery, if applicable. SJSU shall comply with the recommendations of the qualified paleontologist, as documented in the survey, study, or report.	Halt construction activities if paleontological resources are encountered. Retain a qualified paleontologist, if necessary, to evaluate and document findings as well as provide recommendations. If applicable, develop a paleontological resource impact mitigation program.	CO	During construction	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Greenhouse Gas Emissions and Climate Change					
Impact 3.7-1: Generate GHG Emissions, Either Indirectly or Directly, That May Have a Significant Impact on the Environment	**Mitigation Measure 3.7-1a: Reduce Greenhouse Gas Emissions from Construction Activities** To reduce emissions from construction activities, SJSU shall require their construction contractors for individual site-specific projects to comply with the following construction practices, which shall be documented within construction contractor bid specifications. ▶ use EPA SmartWay certified trucks for deliveries and equipment transport, ▶ reduce electricity use in construction offices by using LED bulbs, powering off computers every day, and using high-efficiency heating and cooling units, ▶ recycle or salvage nonhazardous construction and demolition debris with the goal of recycling at least 15 percent more by weight than the diversion requirements in the most current version of Title 24, at the time of construction, ▶ use locally sourced or recycled materials for construction materials (goal of at least 20 percent based on costs for building materials and based on volume for roadway, parking lot, sidewalk and curb materials). Wood products used should be certified through a sustainable forestry program, and ▶ use low-carbon concrete, minimize the amount of concrete used and produce concrete on-site if it is more efficient and lower emitting than transporting ready-mix.	Incorporate construction GHG reduction measures into construction specifications	CO	During project construction	SJSU Facilities Development and Operations
	Mitigation Measure 3.7-1b: Installation of EV Charging Stations Meeting the Tier 2 Requirements of the Most Recent CalGreen Code Prior to the final design of individual site-specific projects, SJSU shall incorporate the appropriate number of EV chargers to meet the most recent Tier 2 requirements of Part 6 of the Title 24 California Building Code (CalGreen code) in effect at the time of project construction. SJSU shall verify construction and operation of the EV chargers prior to occupancy. The EV charging Tier 2 requirements of the 2022 CalGreen code are specifically tied to the number of parking spaces proposed for a given project. As the Campus Master Plan would not provide additional parking capacity (either through structures or otherwise), the number of EV-capable and EVSE spaces shall be determined based on the square footage of proposed new development, for ease of implementation as the Campus Master Plan develops over time. As a mixed-use project that would include both residential and nonresidential uses, nonresidential EV-capable and residential EVSE requirements were applied, per the CalGreen Tier 2 Code Table A5.106.5.3.2, 45 percent of total parking spaces shall be EV-	Incorporate the appropriate number of EV-capable and EVSE parking spaces into project design	DE, OC	Prior to final design approval, prior to occupancy	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	capable and for residential projects with more than 20 dwelling units, 15 percent of all parking spaces shall be equipped with EVSE. In total, the Main Campus currently provides 5,896 parking spaces at the North Parking Facility, the South Parking Facility, the West Parking Facility, and various surface parking lots throughout the Main Campus, while the South Campus currently provides 2,480 spaces, for a total of 8,376 existing parking spaces. Based on the CalGreen standards, this equates to a total campuswide requirement of 3,769 EV-capable spaces with 1,256 of those spaces having EVSE. This number may be adjusted to reflect updated regulations. The Campus Master Plan does not introduce new parking spaces; however, to comply with the recommendations of BAAQMD's CEQA guide, SJSU shall renovate one parking space to be EVSE per every 982 square feet of new development (calculated by dividing the total GSF of anticipated new development [3,700,000] by the required total number of EV-capable spaces [3,769]), until 1,256 EVSE have been installed; thereafter, all subsequent renovations can be EV-capable. Alternatively, decreased rates of EVSE installations may occur, so long as the total required number of EV charging spaces is achieved (i.e., 3,769 EV-capable with 1,256 of those having EVSE, based on currently regulations) over the course of Campus Master Plan implementation.				
Hazards and Hazardous Materials					
Impact 3.8-2: 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	**Mitigation Measure 3.8-2a: Conduct Preliminary Site Investigation** During planning of project-specific development under the Campus Master Plan, the SJSU Facilities and Development Office, Environmental Health and Safety (EHS) Division shall be consulted to identify if any unknown sites of contamination could potentially occur in areas proposed for demolition or renovation as part of the Campus Master Plan. EHS shall consider the cases on file at SJSU, on GeoTracker, and on EnviroStor, and use information on historical uses in the area to be impacted, such as old maps and photos. If EHS determines that there is no potential or minimal potential for contamination to occur on-site, no additional mitigation is necessary. If it is determined that contamination has the potential to exist on a project site, Mitigation Measure 3.8-2b shall be implemented.	Conduct preliminary site assessment and document findings.	DE	During project planning	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.8-2b: Conduct Site-Specific Investigation and Prepare and Implement Work Plan If the preliminary site investigation (Mitigation Measure 3.8-2a) indicates the potential for contamination, SJSU shall conduct soil sampling within the boundaries of the development and renovation site prior to initiation of renovation, demolition, grading, or other ground-disturbing activities. This investigation shall follow the American Society for Testing and Materials (ASTM) standards for preparation of a Phase II ESA and/or other appropriate testing guidelines. If the results indicate that contamination exists at levels above regulatory action standards, then the development and renovation site shall be remediated in accordance with recommendations made by applicable regulatory agencies, including the County's HMCD, which is the CUPA for the City of San José, the San Francisco Bay RWQCB, and DTSC. The agencies involved shall depend on the type and extent of contamination. Based on the results of the site-specific investigation, SJSU shall prepare a work plan that identifies any necessary remediation activities, including excavation and removal of on-site contaminated materials. The work plan shall include measures that ensure the safe transport, use, and disposal of contaminated materials removed from the development/renovation site.	Conduct survey and document findings. Conduct remediation activities as necessary.	DE, CO	During project planning, prior to construction	SJSU Facilities Development and Operations
	Mitigation Measure 3.8-2c: Prepare and Implement a Hazardous Materials Contingency Plan Prior to demolition, renovation, or ground-disturbing construction activities, SJSU shall provide a hazardous materials contingency plan to EHS and the HMCD, as appropriate. The contingency plan shall describe the necessary actions that would be taken if evidence of contaminated materials is encountered during construction or renovation activities, including soil discoloration, petroleum or chemical odors, asbestos-containing materials, LBP, PCBs, or other hazardous material. If at any time during construction or renovation activities encounter evidence of contamination or hazardous materials, SJSU shall immediately halt all activity on-site and contact EHS and HMCD. Work shall not be resumed until the discovery has been assessed and/or treated appropriately through sampling and remediation, if the hazardous materials are detected above threshold levels, to the satisfaction of the HMCD, San Francisco Bay RWQCB, and DTSC, as applicable. The hazardous materials contingency plan shall be incorporated into the construction and contract specifications for future individual Campus Master Plan projects.	Prepare hazardous materials contingency plan; Monitor construction site, perform testing, and consult with EHS and County of Santa Clara HMCD, as necessary.	DE, CO	During project design before project approval, prior to and during project construction	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.8-2d: Minimize Release of Hazardous Materials during Demolition Prior to demolition and/or renovation activities, to minimize the potential for accidental release of hazardous materials, SJSU shall complete the following: ▶ Locate and dispose of encountered hazardous materials in compliance with all applicable federal, state, and local regulations. This shall include: (1) identifying locations that could contain hazardous materials; (2) removing materials known to have or potentially have hazardous materials; (3) determining waste classification of the hazardous materials; (4) appropriately packaging hazardous materials; and (5) identifying disposal site(s) permitted to accept hazardous materials. ▶ If applicable, provide written documentation to the appropriate County department that asbestos testing and abatement is consistent with EPA regulations under Title 40 of the CFR, as appropriate, has occurred in compliance with federal, state, and local laws. ▶ If applicable, provide written documentation to the appropriate County department that LBP testing and abatement is consistent and has been completed in accordance with federal, state, and local laws. If lead-contaminated soil is present at the demolition or renovation site, SJSU shall submit a soil management plan to the HMCD.	Monitor construction site, perform testing, and consult with EHS and County of Santa Clara HMCD, as necessary.	CO	Prior to and during project construction	SJSU Facilities Development and Operations
Impact 3.8-3: Emit Hazardous Emissions or Handle Hazardous or Acutely Hazardous Materials, Substances, or Waste within One-Quarter Mile of an Existing or Proposed School	**Mitigation Measure 3.8-3a: Conduct Preliminary Site Investigation** During planning of project-specific development under the Campus Master Plan, the SJSU Facilities and Development Office, Environmental Health and Safety (EHS) Division shall be consulted to identify if any unknown sites of contamination could potentially occur in areas proposed for demolition or renovation as part of the Campus Master Plan. EHS shall consider the cases on file at SJSU, on GeoTracker, and on EnviroStor, and use information on historical uses in the area to be impacted, such as old maps and photos. If EHS determines that there is no potential or minimal potential for contamination to occur on-site, no additional mitigation is necessary. If it is determined that contamination has the potential to exist on a project site, Mitigation Measure 3.8-2b shall be implemented.	See Mitigation Measure 3.8-2a	See Mitigation Measure 3.8-2a	See Mitigation Measure 3.8-2a	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.8-3b: Conduct Site-Specific Investigation and Prepare and Implement Work Plan If the preliminary site investigation (Mitigation Measure 3.8-2a) indicates the potential for contamination, SJSU shall conduct soil sampling within the boundaries of the development and renovation site prior to initiation of renovation, demolition, grading, or other ground-disturbing activities. This investigation shall follow the American Society for Testing and Materials (ASTM) standards for preparation of a Phase II ESA and/or other appropriate testing guidelines. If the results indicate that contamination exists at levels above regulatory action standards, then the development and renovation site shall be remediated in accordance with recommendations made by applicable regulatory agencies, including the County's HMCD, which is the CUPA for the City of San José, the San Francisco Bay RWQCB, and DTSC. The agencies involved shall depend on the type and extent of contamination. Based on the results of the site-specific investigation, SJSU shall prepare a work plan that identifies any necessary remediation activities, including excavation and removal of on-site contaminated materials. The work plan shall include measures that ensure the safe transport, use, and disposal of contaminated materials removed from the development/renovation site.	See Mitigation Measure 3.8-2b	See Mitigation Measure 3.8-2b	See Mitigation Measure 3.8-2b	SJSU Facilities Development and Operations
	Mitigation Measure 3.8-3c: Prepare and Implement a Hazardous Materials Contingency Plan Prior to demolition, renovation, or ground-disturbing construction activities, SJSU shall provide a hazardous materials contingency plan to EHS and the HMCD, as appropriate. The contingency plan shall describe the necessary actions that would be taken if evidence of contaminated materials is encountered during construction or renovation activities, including soil discoloration, petroleum or chemical odors, asbestos-containing materials, LBP, PCBs, or other hazardous material. If at any time during construction or renovation activities encounter evidence of contamination or hazardous materials, SJSU shall immediately halt all activity on-site and contact EHS and HMCD. Work shall not be resumed until the discovery has been assessed and/or treated appropriately through sampling and remediation, if the hazardous materials are detected above threshold levels, to the satisfaction of the HMCD, San Francisco Bay RWQCB, and DTSC, as applicable. The hazardous materials contingency plan shall be incorporated into the construction and contract specifications for future individual Campus Master Plan projects.	See Mitigation Measure 3.8-2c	See Mitigation Measure 3.8-2c	See Mitigation Measure 3.8-2c	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Impact 3.8-4: 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, Would it Create a Significant Hazard to the Public or Environment	**Mitigation Measure 3.8-4a: Prepare and Implement a Hazardous Materials Contingency Plan** Prior to demolition, renovation, or ground-disturbing construction activities, SJSU shall provide a hazardous materials contingency plan to EHS and the HMCD, as appropriate. The contingency plan shall describe the necessary actions that would be taken if evidence of contaminated materials is encountered during construction or renovation activities, including soil discoloration, petroleum or chemical odors, asbestos-containing materials, LBP, PCBs, or other hazardous material. If at any time during construction or renovation activities encounter evidence of contamination or hazardous materials, SJSU shall immediately halt all activity on-site and contact EHS and HMCD. Work shall not be resumed until the discovery has been assessed and/or treated appropriately through sampling and remediation, if the hazardous materials are detected above threshold levels, to the satisfaction of the HMCD, San Francisco Bay RWQCB, and DTSC, as applicable. The hazardous materials contingency plan shall be incorporated into the construction and contract specifications for future individual Campus Master Plan projects.	See Mitigation Measure 3.8-2c	See Mitigation Measure 3.8-2c	See Mitigation Measure 3.8-2c	SJSU Facilities Development and Operations
	Mitigation Measure 3.8-4b: Minimize Release of Hazardous Materials During Demolition Prior to demolition and/or renovation activities, to minimize the potential for accidental release of hazardous materials, SJSU shall complete the following: ▶ Locate and dispose of encountered hazardous materials in compliance with all applicable federal, state, and local regulations. This shall include: (1) identifying locations that could contain hazardous materials; (2) removing materials known to have or potentially have hazardous materials; (3) determining waste classification of the hazardous materials; (4) appropriately packaging hazardous materials; and (5) identifying disposal site(s) permitted to accept hazardous materials. ▶ If applicable, provide written documentation to the appropriate County department that asbestos testing and abatement is consistent with EPA regulations under Title 40 of the CFR, as appropriate, has occurred in compliance with federal, state, and local laws. ▶ If applicable, provide written documentation to the appropriate County department that LBP testing and abatement is consistent and has been completed in accordance with federal, state, and local laws. If lead-contaminated soil is present at the demolition or renovation site, SJSU shall submit a soil management plan to the HMCD.	See Mitigation Measure 3.8-2d	See Mitigation Measure 3.8-2d	See Mitigation Measure 3.8-2d	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Hydrology and Water Quality					
Impact 3.9-4: Substantially Alter the Existing Drainage Pattern of the Site or Area Such That Substantial Erosion, Siltation, Flooding, Polluted Runoff, or an Exceedance of the Capacity of Storm Drainage Systems Would Occur	**Mitigation Measure 3.9-4: Prepare a Drainage Plan and Supportive Hydrologic Analysis** Before the commencement of construction activities associated with new development that will modify existing drainage and/or require the construction of new drainage infrastructure to collect and control stormwater runoff, SJSU shall prepare a drainage plan and supportive hydrologic analysis demonstrating compliance with the following, or equally effective similar measures, to maximize groundwater recharge and maintain similar drainage patterns and flow rates: a) Off-site runoff shall not exceed existing flow rates during storm events. b) If required to maintain the current flow rate, appropriate methods/design features (e.g., detention/retention basins, infiltration systems, or bioswales) shall be installed to reduce local increases in runoff, particularly on frequent runoff events (up to 10-year frequency) and to maximize groundwater recharge. c) If proposed, drainage discharge points shall include erosion protection and be designed such that flow hydraulics exiting the site mimics the natural condition as much as possible. d) Drainage from impervious surfaces (e.g., roads, driveways, buildings) shall be directed to a common drainage basin. e) Where feasible, grading and earth contouring shall be done in a way to direct surface runoff towards the above-referenced drainage improvements (and/or closed depressions).	Prepare a drainage plan and supportive hydrologic analysis demonstrating compliance with specified measures	DE	During project planning and design	SJSU Facilities Development and Operations
Noise and Vibration					
Impact 3.11-1: Generate Substantial Temporary (Construction) Noise	**Mitigation Measure 3.11-1: Implement Construction-Noise Reduction Measures** For all construction activities related to new/renovated structures, SJSU shall implement or incorporate the following noise reduction measures into construction specifications for contractor(s) implementation during project construction: ▶ For any construction activities that occur during the nighttime hours (i.e., 7:00 p.m. to 7:00 a.m.) and are within 500 feet of an occupied building where people sleep, noise levels at the receiving land use shall not exceed 80 dBA L_{eq} from construction activities. Measures including temporary noise barriers (e.g., solid plywood wall, sound curtains attached to chain-link fences, or equipment enclosures) may be used to achieve acceptable noise limits.	Include measures in contract specifications. Inspect construction site to verify that measures are being implemented.	CO	During construction	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	▶ All construction equipment shall be properly maintained and equipped with noise-reduction intake and exhaust mufflers and engine shrouds, in accordance with manufacturer recommendations. Equipment engine shrouds shall be closed during equipment operation. ▶ All motorized construction equipment shall be shut down when not in use to prevent idling. ▶ All construction equipment and equipment staging areas shall be located as far as possible from nearby noise-sensitive land uses, and/or located to the extent feasible such that existing or constructed noise attenuating features (e.g., temporary noise wall or blankets) block line-of-site between affected noise-sensitive land uses and construction staging areas. ▶ Individual operations and techniques shall be replaced with quieter procedures (e.g., using welding instead of riveting, mixing concrete off-site instead of on-site, using electric powered equipment instead of pneumatic or internal combustion powered equipment where feasible and consistent with building codes and other applicable laws and regulations. ▶ Stationary noise sources such as generators or pumps shall be located as far away from noise-sensitive uses as feasible and shall only operate when needed. ▶ No less than 1 week prior to the start of construction activities at a particular location, notification shall be provided to nearby off-campus noise-sensitive land uses (e.g., residential uses) that are located within 500 feet of the construction site (i.e., based on the construction noise modeling, distance at which noise-sensitive receptors would experience noise levels exceeding acceptable daytime construction-noise levels). ▶ When construction would occur within 500 feet of on-campus housing or other on-campus or off-campus noise-sensitive uses and may result in temporary noise levels in excess of 90 L_{eq} at the exterior of the adjacent noise-sensitive structure, temporary noise barriers (e.g., noise-insulating blankets or temporary plywood structures) shall be erected, between the noise source and sensitive receptor to reduce construction-related noise levels to 90 L_{eq} or less at the receptor. ▶ Loud construction activity (e.g., jackhammering, concrete sawing, asphalt removal, and large-scale grading operations) within 500 feet of classrooms (both on and off campus) shall not occur during state standardized testing time periods for the surrounding school district or during university finals periods. ▶ When construction requires material hauling, a haul route plan shall be prepared for construction of each facility and/or improvement for review and approval by SJSU that designates haul routes as far as feasible from sensitive receptors.				

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	▶ The contractor shall designate a disturbance coordinator, whose contact information shall be posted conspicuously around the construction site alongside the contact information of a University staff member responsible for addressing noise complaints and provided to nearby off-campus noise-sensitive receptors (i.e., within 500 feet of construction). The disturbance coordinator shall receive all public complaints and be responsible for determining the cause of the complaint, notifying the designated University staff member of the complaint and all recommended measures, and implementing any feasible measures to alleviate the problem.				
Impact 3.11-2: Generate Substantial Temporary (Construction) Vibration Levels	**Mitigation Measure 3.11-2a: Implement Measures to Reduce Ground Vibration** For any future construction activity that would involve pile driving and be located within 300 feet of an existing sensitive land use or occupied building, the following measures shall be implemented: ▶ To the extent feasible, earthmoving and ground-impacting operations shall be phased so as not to occur simultaneously in areas close to sensitive receptors (i.e., within 300 feet). The total vibration level produced could be significantly less when each vibration source is operated at separate times. ▶ Where there is flexibility in the location of use of heavy-duty construction equipment, or impact equipment, the equipment shall be operated as far away from vibration-sensitive sites as reasonably feasible.	Ensure earthmoving and ground-impacting operations do not occur simultaneously within proximity of sensitive receptors; Operate equipment as far away from vibration-sensitive sites as reasonably feasible.	CO	Prior to and during construction	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.11-2b: Develop and Implement a Vibration Control Plan To assess and, when needed, reduce vibration and noise impacts from construction activities within 300 feet of a residential unit, the following measures shall be implemented: ▶ A vibration control plan shall be developed prior to initiating any pile-driving activities within 300 feet of a residential building. Applicable elements of the plan shall be implemented before, during, and after pile-driving activity. The plan will include measures sufficient to reduce vibration at sensitive receptors to levels below applicable thresholds. Items that shall be addressed in the plan include, but are not limited to, the following: ▪ Identification of the maximum allowable vibration levels at nearby buildings may consider the City's General Plan recommended standards with respect to the prevention of architectural building damage of 0.08 in/sec PPV for historic and some old buildings and for buildings that are occupied at the time of pile driving, FTA's maximum-acceptable-vibration standard with respect to human response, 80 VdB. However, based on site-specific parameters (e.g., building age, structural integrity), and construction specifics (e.g., time of day when vibration activities occur, pile frequency), these standards may be adjusted, as long as sensitive receptors and structures are protected. ▪ Pre-construction surveys shall be conducted to identify any pre-existing structural damage to buildings that may be affected by project-generated vibration. ▪ Identification of minimum setback requirements for different types of ground-vibration-producing activities (e.g., pile driving) for the purpose of preventing damage to nearby structures and preventing adverse effects on people. Factors to be considered include the nature of the vibration-producing activity, local soil conditions, and the fragility/resiliency of the nearby structures. Initial setback requirements can be reduced if a project- and site-specific analysis is conducted by a qualified geotechnical engineer or ground vibration specialist that indicates that no structural damage to buildings or structures would occur. ▪ Vibration levels from pile driving shall be monitored and documented at the nearest sensitive land use to document that applicable thresholds are not exceeded. Recorded data shall be submitted on a twice-weekly basis to SJSU. If it is found at any time that thresholds are exceeded, pile driving shall cease in that location, and methods shall be implemented to reduce vibration to below applicable thresholds, or an alternative pile installation method shall be used at that location.	Develop and implement vibration control plan	CO	Prior to and during construction	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Impact 3.11-4: Stationary Operational Noise	**Mitigation Measure 3.11-4a: Implement Noise Reduction Measures to Reduce Long-Term Noise Impacts of SJSU Baseball Stadium** To minimize noise levels generated by the proposed SJSU baseball stadium, the following measures shall be implemented: ▶ Prior to final design, a noise assessment shall be conducted by a qualified acoustical engineer or noise specialist to evaluate potential increases in noise levels associated with the proposed SJSU baseball stadium. Noise-reduction measures shall be incorporated to reduce increases in projected operational noise levels (i.e., 5 dBA, or greater) at nearby noise-sensitive land uses, including the single-family homes along E. Humboldt Street. Such measures may include, but are not limited to, the incorporation of structural shielding, enclosed bleachers, and optimal placement for amplified sound system speakers.	Conduct noise assessment; incorporate noise-reduction measures	DE	Prior to final design approval	SJSU Facilities Development and Operations
	Mitigation Measure 3.11-4b: Implement Noise Reduction Measures to Reduce Long-Term Noise Impacts of Building Mechanical Equipment To minimize noise levels generated by building mechanical equipment, the following measures shall be implemented: ▶ Building air conditioning units for proposed structures shall be located on building rooftops or shielded from direct line-of-sight of adjacent noise-sensitive land uses. Building parapets shall be constructed, when necessary, to shield nearby land uses from direct line-of-site of air conditioning units. ▶ During project design of individual projects proposed as part of the Campus Master Plan, SJSU shall review and ensure that external building mechanical equipment (e.g., HVAC systems) incorporate noise-reduction features sufficient to reduce average-hourly exterior operational noise levels at nearby noise-sensitive land uses to 55 L_{eq} or less within outdoor activity areas. Noise-reduction measures to be incorporated may include, but are not limited to, the selection of alternative or lower noise-generating equipment, relocation of equipment, and use of equipment enclosures.	Review external building mechanical equipment; incorporate noise-reduction features/measures	DE	Prior to final design approval	SJSU Facilities Development and Operations

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Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
Tribal Cultural Resources					
Impact 3.15-1: Cause a Substantial Adverse Change in the Significance of a Tribal Cultural Resource, Including Human Remains	**Mitigation Measure 3.15-1a: Prepare and Implement Worker Cultural Resources Awareness Training Program** For all future Campus Master Plan projects, a cultural resources respect training program shall be provided to all construction personnel active on a given project site prior to implementation of earth moving activities. A representative or representatives from culturally affiliated Native American Tribe(s) that participated in AB 52consultation will be invited to participate in the development and presentation of the cultural resources awareness and respect training program in coordination with a qualified archaeologist meeting the United States Secretary of Interior guidelines for professional archaeologists. The program will include relevant information regarding sensitive Tribal cultural resources, including protocols for resource avoidance, applicable laws and regulations, and the consequences of violating them. The program will also underscore the requirement for confidentiality and culturally-appropriate treatment of any find of significance to Native Americans and protocols, consistent, to the extent feasible, with Native American Tribal values.	Prepare and implement cultural resources respect training program	CO	Prior to and during construction	SJSU Facilities Development and Operations
	Mitigation Measure 3.15-1b: Implement Native American Monitoring SJSU shall retain the services of a Tribal monitor/consultant who is approved by either Tamien Nation, the Muwekma Ohlone Tribe, or both Tribes. SJSU shall contact the tribal representative a minimum of 7 days before beginning earthwork or other ground-disturbing activities; construction activities will proceed if no response is received 48 hours before ground-disturbing activities begin. The Tribal monitor shall be present on-site only during the construction phases that involve ground-disturbing activities, including tree removal, boring, excavation, trenching, and demolition; monitoring shall be conducted in real time during these activities, with no stockpiling of soil permitted prior to hauling and disposal off-site. The Tribal monitor shall complete daily monitoring logs that provide details on each day's activities, including construction activities, locations, soil, and any cultural materials identified. The on-site monitoring shall end when the site grading and excavation activities are completed or when the Tribal representatives and monitor have determined that the site has a low potential for affecting Tribal cultural resources.	Retain Tribal monitor/consultant who shall perform work as specified.	CO	Prior to and during construction	SJSU Facilities Development and Operations

Project stage at which implementation of the measure is required: SS=site selection; DE=detailed project planning or project design prior to project approval; CO=prior to or during construction; OC=prior to occupancy; OP=operation

Impact	Mitigation Measure	Monitoring and Reporting Procedure	Timing		Verification
	Mitigation Measure 3.15-1c: Implement Native American Response and Treatment Protocol If evidence of any tribal cultural sites, features, or deposits is discovered during construction-related earth-moving activities, all ground-disturbing activity within 100 feet of the discovery shall be halted until a culturally affiliated Native American representative can assess the significance of the find. If, after evaluation, a resource is considered to be a Tribal cultural resource, a treatment plan shall be developed with input from the consulting Tribe(s) and subsequently implemented. In addition, prior to initiation of construction activities related to renovation of CEFCU Stadium (117), a treatment plan shall be developed and implemented. All preservation options shall be considered as required by CEQA (see PRC Section 21084.3), including possible data recovery, mapping, capping, or avoidance of the resource. If artifacts are recovered from significant Tribal cultural resources, the first option shall be to transfer the artifacts to an appropriate Tribal representative. If possible, accommodations shall be made to reinter the artifacts at the project site or, if requested by a Tribal Representative, another mutually agreed upon (with the Native American representative) location within the Master Plan Area. Only if no other options are available will recovered precontact archaeological material be housed at a qualified curation facility, if approved by the consulting Tribe. Additionally and at the time a treatment plan is being developed, SJSU shall coordinate with the appropriate Tribe(s) regarding additional considerations, including on-campus art provided by Native American artists, educational signage, funding of Tribal studies (e.g., traditional food cultivation, language preservation, cultural fire training), and tribal cultural resources respect training for SJSU faculty/staff.	Halt all ground-disturbing activity if evidence of tribal cultural sites, features, or deposits is discovered; Develop and implement a treatment plan with input from consulting Tribe(s); Coordinate with appropriate Tribe(s) regarding additional considerations	DE, CO	During project planning and design, prior to and during construction	SJSU Facilities Development and Operations

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