CALIFORNIA ENVIRONMENTAL QUALITY ACT FINDINGS OF FACT REGARDING ADDENDUM NO. 1 TO THE 2021 LONG RANGE DEVELOPMENT PLAN AND HOUSING PROJECTS #1 AND #2 ENVIRONMENT IMPACT REPORT AND DESIGN APPROVAL FOR The Gateway New Academic Building, UC Berkeley State Clearinghouse No. 2020040078

I. CONSIDERATION OF 2021 LRDP EIR AND ADDENDUM NO. 1

Pursuant to the California Environmental Quality Act, Public Resources Code ("PRC") Sections 21000 *et seq.* and the State CEQA Guidelines, Title 14, California Code of Regulations, Sections 15000 *et seq.* ("CEQA Guidelines") (collectively, "CEQA"), the Board of Regents of the University of California (the "University"), or its delegate (collectively referred to herein as the "University"), has considered the Environmental Impact Report prepared for the University of California, Berkeley ("UC Berkeley" or "UC Berkeley campus") 2021 Long Range Development Plan ("2021 LRDP") and Housing Projects #1 and 2, State Clearinghouse Number 2020040078, which was certified by the University in July 2021 ("2021 LRDP EIR"), and the Addendum No. 1 thereto, dated March 2022, for the University's design approval of the Gateway Project ("Addendum No. 1").

The 2021 LRDP EIR, including the information contained in the Addendum No. 1, contains the environmental analysis and information necessary to support approval of the Gateway Project (hereafter, the "Project"), as set forth in Section III, below.

II. <u>FINDINGS</u>

A. PROJECT DESCRIPTION

UC Berkeley would construct a five-story, approximately 375,600-square-foot academic building proposed within the Campus Park. The building would include space for academic research, offices, classrooms, and other collaborative meeting spaces and house researchers, faculty, and students across multiple disciplines affiliated with the Division of Computing, Data Science, and Society (CDSS), which is currently housed in various facilities on the UC Berkeley campus. The Project would not result in student or employment population growth because the new building would house the existing CDSS departments. The Project includes one parking stall, for electric vehicle charging.

The Project would include five above-grade floors and one basement (below-ground) level. The Project would provide space for permanent occupancy of approximately 1,500 faculty, students, researchers, and staff in flexible lab and learning facilities. Peak daily building occupancy would be approximately 3,000 people. The building would provide a mix of flexible and operationally resilient office space, laboratories, collaboration areas, classrooms, and other meeting spaces. The building would also include shared community gathering spaces, an event space with a catering kitchen, a social kitchen, a café with an outdoor terrace, and associated support spaces. The top floor (level 5)

would provide building space and a rooftop terrace. The building would also provide bicycle storage and changing rooms and showers for bicyclists.

Planning for the Project is guided by the UC Berkeley 2021 LRDP. The UC Berkeley 2021 LRDP designates the Project site as academic life space. The 2021 LRDP EIR identifies that the highest priority needs for academic life space are classrooms and study space, followed by research space, and that academic life spaces under the 2021 LRDP will be primarily located within the Campus Park. The Project would provide space for academic research, offices, classrooms, and other collaborative meeting spaces within the Campus Park, with supportive campus life space. The building would be academic in nature and consistent with the land use designation for the Project site. Therefore, it has been determined that the Project is consistent with the land use categories in the 2021 LRDP.

B. ENVIRONMENTAL REVIEW PROCESS

In July 2021, the University certified the 2021 LRDP EIR in accordance with CEQA and the University of California Procedures for Implementation of CEQA and adopted the 2021 LRDP. The 2021 LRDP EIR analyzed the scope and nature of development proposed to meet the growth of UC Berkeley through the 2036-37 academic year, including projections in student population and total campus population. The 2021 LRDP EIR identified measures to mitigate, to the extent feasible, the significant adverse project and cumulative impacts associated with growth of UC Berkeley under the 2021 LRDP.

The 2021 LRDP plans for up to 8,096,249 net new gross square feet (GSF) of residential, academic life, campus life, and parking facility space to be developed within the area governed by the 2021 LRDP, including up to 2,284,588 net new GSF of academic life space to be located primarily within the Campus Park. The Project would construct 375,600 GSF of academic life and campus life space in the UC Berkeley Campus Park. Therefore, the Project would result in total development within levels anticipated in the 2021 LRDP. The 2021 LRDP also projected a total UC Berkeley campus population of 67,200 students and employees. The Project would not result in student or employee population growth at UC Berkeley. Therefore, the UC Berkeley campus population within levels analyzed in the 2021 LRDP EIR.

The 2021 LRDP EIR was prepared in accordance with PRC Section 21094 (CEQA) and CEQA Guidelines Section 15168 and analyzed the environmental impacts of the 2021 LRDP. Pursuant to CEQA Guidelines Section 15168(c) "subsequent activities in the program must be examined in the light of the program EIR to determine whether an additional environmental document must be prepared." Pursuant to CEQA Guidelines Section15168(c)(4), an agency should use "…a written checklist or similar device to document the evaluation of the site and the activity to determine whether the environmental effects of the operation were covered in the program EIR." Pursuant to CEQA Guidelines Section 15164(a), "[t]he lead agency … shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in CEQA Guidelines Section 15162 calling for preparation of a subsequent EIR have occurred."

Addendum No. 1 for the Gateway Project was prepared in compliance with CEQA to document UC Berkeley's determination that a subsequent or supplemental EIR is not required. Addendum No. 1 contains a detailed and comprehensive review of the Project and the resulting impacts, and concludes that implementation of the Project would not cause any new significant environmental impacts nor an increase in the severity of significant impacts previously identified and studied in the 2021 LRDP EIR. There have not been any substantial changes with respect to the circumstances under which implementation of the 2021 LRDP would be undertaken that would require major revisions to the previously certified 2021 LRDP EIR. In addition, there is no new information of substantial importance, which was not known and could not have been known at the time that the 2021 LRDP EIR was certified showing that new or more severe environmental impacts not addressed in the 2021 LRDP EIR would in fact be feasible, or that different mitigation measures or alternatives from those analyzed in the 2021 LRDP EIR would substantially reduce one or more significant impacts.

Addendum No. 1 analyzes the environmental effects of the Project in relation to the environmental analysis in the 2021 LRDP EIR with regard to the following environmental topic areas: Aesthetics, Agriculture and Forestry Resources, Air Quality, Biological Resources, Cultural Resources, Energy, Geology and Soils, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Hydrology and Water Quality, Land Use and Planning, Mineral Resources, Noise, Population and Housing, Public Services, Parks and Recreation, Transportation, Tribal Cultural Resources, Utilities and Service Systems, and Wildfire. It also identifies mitigation measures adopted as part of the 2021 LRDP EIR relevant to the Project that have been incorporated into and must be implemented as part of the Project. All mitigation measures and continuing best practices in the 2021 LRDP EIR relevant to the Project, as well as all components of the Project described in Addendum No. 1, are included in the Approval and are made conditions of the Project.

C. ADDITIONAL FINDINGS

1. Incorporation by Reference

These Findings incorporate by reference in their entirety the text of Addendum No. 1 prepared for the Project, the 2021 LRDP EIR, and the Findings adopted in support of the 2021 LRDP previously certified and/or adopted by the University.

2. Mitigation Monitoring

The University adopted a Mitigation Monitoring and Reporting Program ("2021 LRDP MMRP") in connection with the certification of the 2021 LRDP EIR. The 2021 LRDP MMRP includes mitigation measures applicable to the Gateway Project and designates responsibility and anticipated timing to ensure the implementation of adopted mitigation measures within the jurisdiction of UC Berkeley.

The following mitigation measures identified in the 2021 LRDP MMRP and are hereby incorporated into the Gateway Project:

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Environmental			
Issue Area	Mitigation Measure		
Air Quality	Mitigation Measure AIR-2.1: UC Berkeley shall use equipment that meets the United		
	States Environmental Protection Agency Tier 4 Final emissions standards or higher for		
	off-road diesel-powered construction equipment with more than 50 horsepower, unless it		
	can be demonstrated to UC Berkeley that such equipment is not commercially available.		
	For purposes of this mitigation measure, "commercially available" shall mean the		
	availability of Tier 4 Final engines similar to the availability for other large-scale		
	construction projects in the city occurring at the same time and taking into consideration		
	factors such as (i) potential significant delays to critical-path timing of construction and (ii) geographic proximity to the project site of Tier 4 Final equipment. Where such		
	equipment is not commercially available, as demonstrated by the construction		
	contractor, Tier 4 interim equipment shall be used. Where Tier 4 interim equipment is		
	not commercially available, as demonstrated by the contractor, Tier 3 equipment		
	retrofitted with a California Air Resources Board's Level 3 Verified Diesel Emissions		
	Control Strategy (VDECS) shall be used. The requirement to use Tier 4 Final equipment		
	or higher for engines over 50 horsepower shall be identified in construction bids and the		
	following shall also be completed:		
	• Prior to construction, the project engineer shall ensure that all demolition and grading		
	plans clearly show the requirement for United States Environmental Protection Agency		
	Tier 4 Final or higher emissions standards for construction equipment over 50		
	horsepower.		
	• During construction, the construction contractor shall maintain a list of all operating		
	equipment in use over 20 hours on the construction site for verification by UC Berkeley.		
	• The construction equipment list shall state the makes, models, and numbers of construction equipment on-site.		
	• To the extent that equipment is available and cost-effective, contractors shall use		
	electric, hybrid, or alternate-fueled off-road construction equipment.		
	• Contractors shall use electric construction tools, such as saws, drills, and compressors,		
	where grid electricity is available.		
	• Construction activities shall be prohibited when the Air Quality Index (AQI), as		
	measured by the closest Bay Area Air Quality Management District monitoring station		
	(e.g., Berkeley Aquatic Center), is greater than 150 for particulates and ozone in the		
	project area.		
	• Contractors shall provide information on transit and ridesharing programs and services		
	to construction employees. Additionally, meal options on-site and/or shuttles between		
Ain Quelit-	the facility and nearby meal destinations for construction employees shall be provided.		
Air Quality	Mitigation Measure AIR-2.2: To reduce Reactive Organic Gas emissions, for interior architectural coatings, UC Berkeley shall utilize certified (e.g., Greenguard or Green		
	Seal) low-Volatile Organic Compound (VOC) paints or, when feasible, no-VOC paints		
	(i.e., less than 5 grams per liter of VOC). UC Berkeley shall verify that the requirement		
	to use low-VOC (and/or no-VOC) paints is identified in construction bids and on		
	architectural plans.		
Air Quality	Mitigation Measure AIR-3.1: Construction projects subject to CEQA on sites one acre		
·	or greater, within 1,000 feet of residential and other sensitive land use projects (e.g.,		
	hospitals, schools, nursing homes, day care centers), as measured from the property line		
	of the project to the property line of the source/edge of the sensitive land use, that utilize		
	off-road equipment of 50 horsepower or more and, that occur for more than 12 months		

Environmental			
Issue Area	Mitigation Measure		
	of active construction (i.e., exclusive of interior renovations), shall require preparation of a construction health risk assessment (HRA) prior to future discretionary project approval, as recommended in the current HRA Guidance Manual prepared by the California Office of Environmental Health Hazard Assessment (OEHHA). Additionally, UC Berkeley shall consider whether unusual circumstances warrant evaluation of construction health risk for projects with construction durations of less than 12 months or on development sites smaller than one acre. For example, unusual circumstances would include sites that require extensive site preparation with more than 10,000 cubic yards of excavation. The construction HRA shall generally be prepared in accordance with policies and procedures of the OEHHA and the Bay Area Air Quality Management District. The latest OEHHA guidelines shall be used for the analysis, including age sensitivity factors, breathing rates, and body weights appropriate for children ages 0 to 16 years. If the construction HRA shows that the incremental cancer risk exceeds 10 in a million (10E-06), PM _{2.5} concentrations exceed 0.3 μ g/m ³ , or the appropriate noncancer hazard index exceeds 1.0, the construction HRA shall be required to identify all feasible measures capable of reducing potential cancer and noncancer risks to an acceptable level to the extent feasible (i.e., below 10 in a million, a hazard index of 1.0, or 0.3 μ g/m ³ of PM _{2.5}), including appropriate enforcement mechanisms. Examples of feasible measures include use of U.S. Environmental Protection Agency rated Tier 4 construction equipment, diesel particulate filters, and electric equipment.		
	The construction health risk assessment shall be submitted to UC Berkeley's Office of Environment, Health & Safety for review and approval. Measures identified in the health risk assessment shall be included in bid documents, purchase orders, contracts, and grading plans prepared for the development projects. Compliance with these measures shall be verified during regular construction site inspections.		
Biological	Mitigation Measure BIO-4: Structures and buildings that are new or are taller than		
Resources	existing structures and buildings shall be designed to minimize the potential risk of bird collisions. This should at a minimum include the following design considerations and management strategies: (1) avoid the use of highly reflective glass as an exterior treatment, which appears to reproduce natural habitat and can be attractive to some birds; (2) limit reflectivity and prevent exterior glass from attracting birds in building plans by utilizing low-reflectivity glass and providing other non-attractive surface treatments; (3) use low-reflectivity glass or other bird safe glazing treatments for the majority of the building's glass surface, not just the lower levels; (4) for office and commercial buildings, interior light "pollution" should be reduced during evening hours through the use of a lighting control system programmed to shut off during non-work hours and between 10 p.m. and sunrise; (5) exterior lighting should be directed downward and screened to minimize illuminating the exterior of the building at night, except as needed for safety and security; (6) untreated glass skyways or walkways, freestanding glass walls, and transparent building corners should be avoided; (7) transparent glass should not be allowed at the rooflines of buildings, including in conjunction with green roofs; and (8) all roof mechanical equipment should preferably be covered by low-profile angled roofing or other treatments so that obstacles to bird flight are minimized. These strategies shall be incorporated at the direction of the Campus Architect during plan review, and the Campus Architect shall confirm the		

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Environmental Issue Area	Mitigation Measure
	incorporation of these strategies into architectural plans prior to building construction. The Campus Architect shall incorporate additional strategies to avoid or reduce avian collisions that are indicated by the best available science.
Cultural Resources	Mitigation Measure CUL-1.1e: Implement Mitigation Measure NOI-2.
Cultural Resources Cultural Resources	 Mitigation Measure CUL-1.1e: Implement Mitigation Measure NOI-2. Mitigation Measure CUL-2: For construction projects that include substantial ground-disturbing activities (including, but not limited to, soil removal, parcel grading, new utility trenching, and foundation-related excavation), UC Berkeley shall implement the following steps to ensure impacts to archaeological resources will be less than significant. All Projects with Ground-Disturbing Activities. Prior to soil disturbance, UC Berkeley shall confirm that contractors have been notified of the procedures for the identification of federal- or State-eligible cultural resources, and that the construction crews are aware of the potential for previously undiscovered archaeological resources or tribal cultural resources on site, of the laws protecting these resources and associated penalties, and of the procedures to follow should they discover cultural resources during project-related work. If a resource is discovered during construction (whether or not an archaeologist is present), the following measures shall be implemented: All soil disturbing work within 35 feet of the find shall cease. UC Berkeley shall contact a qualified archaeologist to provide and implement a plan for survey, subsurface investigation as needed to define the deposit, and assessmen of the remainder of the site within the project area to determine whether the resource is significant and would be affected by the project. Any previously undiscovered resources found during construction activities shall be recorded on appropriate California Department of Parks and Recreation forms and evaluated for significance in terms of the California Environmental Quality Act (CEQA criteria by a qualified archaeologist. If the resource is a tribal cultural resource, the consulting archaeologist, approved by UC Berkeley in consultation with the appropriate tribe as determined by the Native American Heritage Commission, s
	implemented. - If the resource is a non-tribal resource determined significant under CEQA, a qualified archaeologist shall prepare and implement a research design and archaeologist shall prepare that will contain the second
	 archaeological data recovery plan that will capture those categories of data for which th site is significant. The archaeologist shall also perform appropriate technical analyses; prepare a comprehensive report complete with methods, results, and recommendations; and provide for the permanent curation of the recovered resources if appropriate. The report shall be submitted to the relevant city (if it falls under Berkeley or
	Oakland boundaries), California Historic Resources Information System Northwest Information Center, and the State Historic Preservation Office, if required.

Environmental	
Issue Area	Mitigation Measure
	• Areas with High Archaeological Sensitivity. In addition to the requirements above
	for all construction projects with ground-disturbing activities, for projects in areas with moderately high to extreme archaeological sensitivity (as shown on the confidential Figure 11, Prehistoric Cultural Sensitivity Overlay Analysis Results, prepared for the
	2021 LRDP Update EIR) ground-disturbing activities shall be monitored from the outset. Monitoring shall occur for soil removal, parcel grading, new utility trenching, and foundation-related excavation in those areas that extend into previously undisturbed soils. If the resources are tribal, archaeological monitoring must be undertaken by a qualified archaeologist approved by UC Berkeley in consultation with the appropriate tribe as determined by the Native American Heritage Commission or the appropriate tribe, who is familiar with a wide range of prehistoric archaeological or tribal remains and is conversant in artifact identification, human and faunal bone, soil descriptions, and interpretation. Based on project-specific daily construction schedules, field conditions, and archaeological observations, full-time monitoring may not be warranted following initial observations.
	• Sites with Known Archaeological Resources. In the event the disturbance of a site
	with known archaeological or tribal cultural resources cannot be avoided, in addition to
	the requirements above for all construction projects with ground-disturbing activities,
	for project sites with known on-site archaeological or tribal cultural resources, the
	following additional actions shall be implemented prior to ground disturbance:
	• UC Berkeley, in consultation with the appropriate tribe, will retain a qualified
	archaeologist to conduct a subsurface investigation of the project site, and to ascertain
	the extent of the deposit of any buried archaeological materials relative to the project's
	area of potential effects. The archaeologist shall prepare a site record and, upon tribal approval, it shall be filed with the California Historical Resource Information System.
	• If the resource extends into the project's area of potential effects, the resource shall
	be evaluated by a qualified archaeologist approved by UC Berkeley in consultation with
	the appropriate tribe. UC Berkeley shall consider this evaluation in determining whether
	the resource qualifies as a historical resource or a unique archaeological resource under the criteria of California Environmental Quality Act (CEQA) Guidelines Section
	15064.5.
	- If the resource does not qualify, no further mitigation is required unless there is a discovery of additional resources during construction (as required above for all construction projects with ground-disturbing activities).
	- If a resource is determined to qualify as an historical resource or a unique
	archaeological resource in accordance with CEQA, UC Berkeley shall consult with the
	appropriate tribe (in the case of Native American sites) and a qualified archaeologist,
	approved by UC Berkeley in consultation with the appropriate tribe, to mitigate the
	effect through data recovery if appropriate to the resource or, if data recovery is
	infeasible, to consider means of avoiding or reducing ground disturbance within the site boundaries, including where and if feasible, minor modifications of building footprint,
	landscape modification, the placement of protective fill, the establishment of a
	preservation easement, or other means that would permit avoidance or substantial
	preservation in place of the resource. A written report of the results of investigations
	shall be prepared by a qualified archaeologist and, upon tribal approval, filed with the
	University Archives/ Bancroft Library and the California Historic Resources

Environmental	
Issue Area	Mitigation Measure
	Information System Northwest Information Center.
Geology and Soils	 Mitigation Measure GEO-5: For ground-disturbing activities within highly sensitive geologic formations (i.e., Franciscan Assemblage, Great Valley Sequence, Orinda Formation, Claremont Chert, unnamed mudstone, or older alluvium, as shown on Figure 5.6-1, Geologic Map, of the 2021 LRDP Update EIR), if pre-construction testing does not take place, ground-disturbing activities shall implement the following measures. "Ground-disturbing activities" shall include soil removal, parcel grading, utility trenching, and foundation-related excavation in those areas that extend into previously undisturbed soils. UC Berkeley shall provide a paleontological resources awareness training program to all construction personnel active on the project site during earth moving activities. The first training will be provided prior to the initiation of ground-disturbing activities by a qualified paleontologist. The program will include relevant information regarding fossils and fossil-bearing formations that may be encountered. The training will also describe appropriate avoidance and minimization measures for resources that have the potential
	 to be located on the project site. If any paleontological resources are encountered during ground-disturbing activities, the contractor shall ensure that activities in the immediate area of the find are halted and that UC Berkeley is informed. UC Berkeley shall retain a qualified paleontologist to evaluate the discovery and recommend appropriate treatment options pursuant to guidelines developed by the Society of Vertebrate Paleontology, including development and implementation of a paleontological resource impact mitigation program by a qualified paleontologist for treatment of the particular resource, if applicable. These measures may include, but not be limited to the following: salvage of unearthed fossil remains and/or traces (e.g., tracks, trails, burrows);
	 screen washing to recover small specimens; preparation of salvaged fossils to a point of being ready for curation (e.g., removal of enclosing matrix, stabilization and repair of specimens, and construction of reinforced support cradles); and identification, cataloging, curation, and provision for repository storage of prepared fossil specimens.
Noise	Mitigation Measure NOI-1: For construction projects that last longer than 30 days, and where construction noise could exceed the applicable noise thresholds of significance (see City of Berkeley Municipal Code Section 13.40.070, Prohibited Acts, and City of Oakland Municipal Code Section 17.120.050(A), Noise (Residential Zone Noise Level Standards)) for maximum construction noise levels (dBA Lmax), or that involve impulse equipment such as jackhammers, hoe rams, and pile driving, temporary noise barriers at least 12 feet high will be erected, as necessary and feasible, to reduce construction noise levels. Temporary noise barriers will be constructed with solid material with a density of at least 1.5 pounds per square foot with no gaps from the ground to the top of the temporary noise barrier and may be lined on the construction side with an acoustical blanket, curtain, or equivalent absorptive material. UC Berkeley shall verify compliance with this measure prior to issuance of demolition.
Noise	with this measure prior to issuance of demolition, grading, and/or building permits. Mitigation Measure NOI-2: If any vibration causing construction activities/equipment
	are anticipated to be used for future development projects, UC Berkeley shall implement

Environmental					
Issue Area	Mitigation Measure				
	the following steps to	ensure impacts from vibr	ration causing constr	uction	
	activities/equipment w	vill be less than significar	nt.		
	Step 1 (Activity/Eq	uipment Screening Dist	ances): UC Berkeley	y shall use the	
		screening standards show			
		a to determine if the cons			
		stances that could cause b	• •		
	e	isturbance. If the constru-	e e	•	
		en Step 2 (Alternative Me			
	Screening Distances to P	PV in/sec Threshold: Building [Jamage		
	Screening Distances to P	Reference Vibration	Screening Level	Screening Level	
	Activity/Equipment	Levels (in/sec PPV) at 25 feet	Distance in feet for 0.20 in/sec PPV ^a	Distance in feet for 0.12 in/sec PPV ^b	
	Pile Driving	1.518	97	136	
	Caisson Drilling	0.089	15	21	
	Vibratory Roller	O.21	26	37	
	Large Bulldozer	0.089	15	21	
	Screening Distance to Vd	B Threshold: Human Annoyan	ce and Sensitive Equipme Screening Level	Screening Level	
	Activity/Equipment	Reference Vibration	Distance in feet for 72 VdB ^c	Distance in feet for 65 VdB ^d	
	Activity/Equipment Pile Driving	Levels (VdB) at 25 feet		890	
	Caisson Drilling	87	520	140	
	Vibratory Roller	94	140	240	
	Large Bulldozer	87	80	140	
	0	es per second (PPV in/sec); Vibration D			
	c. FTA Land Use Category 2, Resid d. FTA Land Use Category 1, Buildi Source: Federal Transit Administra • Step 2 (Alternative	Ings extremely susceptible to vibration ences and buildings where people norm ings where vibration would interfere w ation, 2018, Transit Noise and Vibration Methods/Equipment):	mally sleep. ith interior operations. n Impact Assessment. When the anticipated		
	construction activity/equipment is within the screening standards in Step 1				
	(Activity/Equipment Screening Distances), UC Berkeley shall consider whether				
	alternative methods/equipment are available and shall verify that the alternative				
	method/equipment is shown on the construction plans prior to the beginning of				
	construction. Alternative methods/equipment may include, but are not limited to:				
	• For pile driving, the use of caisson drilling (drill piles), vibratory pile drivers,				
	oscillating or rotating pile installation methods, pile pressing, "silent" piling, and jetting				
	or partial jetting of piles into place using a water injection at the tip of the pile shall be				
	used, where feasible.				
	• For paving, use of a static roller in lieu of a vibratory roller shall be implemented.				
	• For grading and earthwork activities, off-road equipment shall be limited to 100 horsepower or less.				
	-	hods/equipment to vibrat	tion causing activitie	s/equipment are not	
	feasible, then Step 3 (Construction Vibration N			
	implemented.				

Environmental Issue Area	al Mitigation Measure		
	• Step 3 (Construction Vibration Monitoring Program): Prior to any project-related		
	excavation, demolition or construction activity for projects within the screening		
	distances listed in Step 1 (Activity/Equipment Screening Distances) and where		
	alternative methods/equipment to vibration causing activities/equipment are not feasibl		
	pursuant to Step 2 (Alternative Methods/Equipment), UC Berkeley shall prepare a		
	construction vibration monitoring program. The program shall be prepared and		
	implemented by a qualified acoustical consultant or structural engineer. Where the		
	vibration sensitive receptors are historic resources, the program shall be prepared and		
	implemented by a structural engineer with a minimum of five years of experience in th		
	rehabilitation and restoration of historic buildings and a historic preservation architect		
	meeting the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation, Professional Qualifications Standards. The program shall include		
	the following:		
	• Prepare an existing conditions study to establish the baseline condition of the		
	vibration sensitive resources in the form of written descriptions with a photo survey,		
	elevation survey, and crack-monitoring survey for the vibration-sensitive building or		
	structure. The photo survey shall include internal and external crack monitoring in the		
	structure, settlement, and distress, and document the condition of the foundation, walls		
	and other structural elements in the interior and exterior of the building or structure.		
	Surveys will be performed prior to, in regular intervals during, and after completion of		
	all vibration-generating activity. Where receptors are historic resources, the study shall		
	describe the physical characteristics of the resources that convey their historic		
	significance.		
	• Determine the number, type, and location of vibration sensors and establish a vibration value in limit (as determined based on a detailed review of the propaged		
	vibration velocity limit (as determined based on a detailed review of the proposed building), method (including locations and instrumentation) for monitoring vibrations		
	during construction, and method for alerting responsible persons who have the authorit		
	to halt construction should limits be exceeded or damaged observed.		
	• Perform monitoring surveys prior to, in regular intervals during, and after		
	completion of all vibration-generating activity and report any changes to existing		
	conditions, including, but not limited to, expansion of existing cracks, new spalls, othe		
	exterior deterioration, or any problems with character-defining features of a historic		
	resource are discovered. UC Berkeley shall establish the frequency of monitoring and		
	reporting, based upon the recommendations of the qualified acoustical consultant or		
	structural engineer or if there are historic buildings, the historic architect and structural		
	engineer. Monitoring reports shall be submitted to UC Berkeley's designated		
	representative responsible for construction activities.		
	• Develop a vibration monitoring and construction contingency plan, which shall		
	identify where monitoring would be conducted, establish a vibration monitoring schedule, define structure-specific vibration limits, and require photo, elevation, and		
	crack surveys to document conditions before and after demolition and construction		
	activities. Construction contingencies would be identified for when vibration levels		
	approach the limits. If vibration levels approach limits, suspend construction and		
	implement contingencies to either lower vibration levels or secure the affected structur		
	• Report substantial adverse impacts to vibration sensitive buildings including histor		
	resources related to construction activities that are found during construction to UC		

Environmontal	
	Mitigation Measure
Environmental Issue Area	Mitigation Measure Berkeley's designated representative responsible for construction activities. UC Berkeley's designated representative shall adhere to the monitoring team's recommendations for corrective measures, including halting construction or using different methods, in situations where demolition, excavation/construction activities would imminently endanger historic resources. UC Berkeley's designated representative would respond to any claims of damage by inspecting the affected property promptly, but in no case more than five working days after the claim was filed and received by UC Berkeley's designated representative. Any new cracks or other damage to any of the identified properties will be compared to pre-construction conditions and a determination made as to whether the proposed project could have caused such damage. In the event that the project is demonstrated to have caused any damage, such damage would be repaired to the pre-existing condition. Site visit reports and documents associated with claims processing would be provided to the relevant government body with jurisdiction over the neighboring historic resource, as necessary. • Conduct a post-survey on the structure where either monitoring has indicated high levels or complaints of damage and make appropriate repairs where damage has occurred as a result of construction activities. <t< th=""></t<>
	vibration. The contact information of such person shall be clearly posted in one or more locations at the construction site
Cultural Resources	Mitigation Measure TCR-1: Implement Mitigation Measure CUL-2.
Wildfire	Mitigation Measure WF-3: Electrical lines associated with future electrical infrastructure shall be undergrounded, where feasible. UC Berkeley shall verify compliance with this measure as part of plan review prior to construction.

In addition, as part of the Project, UC Berkeley will implement the following continuing best practices (CBPs):

Environmental Issue Area	Continuing Best Practice
Aesthetics	Continuing Best Practice AES-1: New projects will as a general rule conform to the
	Physical Design Framework. While the guidelines in the Physical Design Framework
	would not preclude alternate design concepts when such concepts present the best

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Environmental Issue Area	Continuing Best Practice		
	solution for a particular site, UC Berkeley will not depart from the Physical Design Framework except for solutions of extraordinary quality.		
Aesthetics	Continuing Best Practice AES-2: Major new campus projects will continue to be reviewed at each stage of design by the UC Berkeley Design Review Committee. The provisions of the LRDP, as well as project-specific design guidelines prepared for each such project, will guide these reviews.		
Aesthetics	Continuing Best Practice AES-6: Lighting for new development projects will be designed to include shields and cut-offs that minimize light spillage onto unintended surfaces and minimize atmospheric light pollution. The only exception to this principle will be in those areas where such features would be incompatible with the visual and/or historic character of the area.		
Aesthetics	Continuing Best Practice AES-7: As part of UC Berkeley's design review procedures, light and glare will be given specific consideration and measures will be incorporated into the project design to minimize both. In general, exterior surfaces will not be reflective; architectural screens and shading devices are preferable to reflective glass.		
Air Quality	 Continuing Best Practice AIR-2: UC Berkeley will continue to comply with the current Bay Area Air Quality Management District basic control measures for fugitive dust control. The requirement to comply with the basic control measures will be identified in construction bids. The Bay Area Air Quality Management District's current basic control measures include: Water all active construction areas at least twice daily, or as often as needed to control dust emissions. Watering should be sufficient to prevent airborne dust from leaving the site. Increased watering frequency may be necessary whenever wind speeds exceed 15 miles per hour. Reclaimed water will be used whenever possible. Pave, apply water twice daily or as often as necessary to control dust, or apply (nontoxic) soil stabilizers on all unpaved access roads, parking areas, and staging areas at construction sites. Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard (i.e., the minimum required space between the top of the load and the top of the trailer). Sweep daily (with water sweepers using reclaimed water if possible) or as often as needed all paved access roads, parking areas and staging areas at needed all paved access roads, parking areas and staging areas at needed all possible) in the vicinity of the project site, or as often as needed, to keep streets free of visible soil material. Hydroseed or apply nontoxic soil stabilizers to inactive construction areas. Enclose, cover, water twice daily, or apply nontoxic soil binders to exposed stockpiles (dirt, sand, etc.). Limit vehicle traffic speeds on unpaved roads to 15 miles per hour. Replant vegetation in disturbed areas as quickly as possible. 		
Air Quality	Continuing Best Practice AIR-3: UC Berkeley will continue to implement the following control measures to reduce emissions of diesel particulate matter and ozone		
	 Precursors from construction equipment exhaust: Equipment will be properly serviced and maintained in accordance with the 		

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	manufacturer's recommendations.		
	• Construction contractors will also ensure that all nonessential idling of construction		
	equipment is restricted to five minutes or less, in compliance with Section 2449 of the		
	California Code of Regulations, Title 13, Article 4.8, Chapter 9.		
Biological	Continuing Best Practice BIO-1: Avoid disturbance or removal of bird nests protected		
Resources	under the federal Migratory Bird Treaty Act and California Department of Fish and		
	Game Code when in active use. This will be accomplished by taking the following steps.		
	• If tree removal and initial construction is proposed during the nesting season (February		
	1 to August 31), a focused survey for nesting raptors and other migratory birds will be		
	conducted by a qualified biologist within 14 days prior to the onset of tree and		
	vegetation removal in order to identify any active nests on the site and surrounding area		
	within up to 500 feet of proposed construction, with the distance to be determined by a qualified high gift based on project logation. The site will be recurring that		
	qualified biologist based on project location. The site will be resurveyed to confirm that no new nests have been established if vegetation removal and demolition has not been		
	completed or if construction has been delayed or stopped for more than seven		
	consecutive days during the nesting season.		
	• If no active nests are identified during the construction survey period, or development		
	is initiated during the non-breeding season (September 1 to January 31), tree and		
	vegetation removal and building construction may proceed with no restrictions.		
	• If bird nests are found, an adequate setback will be established around the nest location		
	and vegetation removal, building demolition, and other construction activities shall be		
	restricted within this no-disturbance zone until the qualified biologist has confirmed that		
	birds have either not begun egg-laying and incubation, or that the juveniles from those		
	nests are foraging independently and capable of survival outside the nest location.		
	Required setback distances for the no-disturbance zone will be based on input received		
	from the California Department of Fish and Wildlife and may vary depending on species		
	and sensitivity to disturbance. As necessary, the no-disturbance zone will be fenced with		
	temporary orange construction fencing if construction is to be initiated on the remainder		
	of the site.		
	• A report of findings will be prepared by the qualified biologist and submitted to the UC		
	Berkeley's Office of Physical & Environmental Planning for review and approval prior		
	to initiation of vegetation removal, building demolition and other construction activities		
	during the nesting season. The report will either confirm absence of any active nests or		
	confirm that any young are located within a designated no-disturbance zone and		
	construction can proceed. No report of findings is required if vegetation removal and		
	other construction activities are initiated during the non-nesting season and continue		
Piological	uninterrupted according to the above criteria.		
Biological Resources	Continuing Best Practice BIO-9: Adverse effects to specimen trees and plants will be avoided LIC Berkeley will continue to implement the Campus Specimen Tree Program		
incources	avoided. UC Berkeley will continue to implement the Campus Specimen Tree Program to reduce effects to specimen trees and flora. Replacement landscaping will be provided		
	where specimen resources are adversely affected, either through salvage and		
	transplanting of existing trees and shrubs or through new horticulturally appropriate		
	replacement plantings, as directed by the Campus Landscape Architect.		
Biological	Continuing Best Practice BIO-10: Implementation of the recommendations of the		
Resources	Landscape Master Plan and subsequent updates, and project-specific design guidelines,		
ivesoni ces	- Landscape master I fan and subsequent updates, and project-specific design guidennes,		

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	will provide for stewardship of existing landscaping, and use of replacement and expanded tree and shrub plantings to improve the important open space characteristics and resilience of the Campus Park. Native plantings and horticulturally appropriate species will continue to be used in future landscaping, serving to partially replace any trees lost as a result of development.	
Biological	Continuing Best Practice BIO-11: Trees and other vegetation require routine	
Resources	maintenance. As trees age and become senescent, UC Berkeley will continue to undertake trimming, thinning, or removal, particularly if trees become a safety hazard. Vegetation in the Hill Campus East requires continuing management for fire safety, emergency evacuation, habitat enhancement, and other objectives. This may include removal of mature trees such as native live oaks and non-native plantings of eucalyptus and pine. The Landscape Master Plan, Landscape Heritage Plan and their subsequent updates will provide guidance on potential species to replace trees that are removed, where appropriate.	
Cultural	Continuing Best Practice CUL-1: UC Berkeley will follow the procedures of conduct	
Resources	following the discovery of human remains that have been mandated by Health and Safety Code Section 7050.5, Public Resources Code Section 5097.98 and the California Code of Regulations Section 15064.5(e) (California Environmental Quality Act [CEQA]). According to the provisions in CEQA, if human remains are encountered at the site, all work in the immediate vicinity of the discovery shall cease and necessary steps to ensure the integrity of the immediate area shall be taken. The County Coroner shall be notified immediately. The Coroner shall then determine whether the remains are Native American. If the Coroner determines the remains are Native American, the Coroner shall notify the California Native American Heritage Commission (NAHC) within 24 hours, who will, in turn, notify the person the NAHC identifies as the Most Likely Descendant (MLD) of any human remains. Further actions shall be determined, in part, by the desires of the MLD. The MLD has 48 hours to make recommendations regarding the disposition of the remains following notification from the NAHC of the discovery. If the NAHC is unable to identify an MLD, the MLD fails to make a recommendation within 48 hours after being notified, or the landowner rejects the recommendation of the MLD, and mediation by the NAHC fails to provide measures acceptable to the landowner, the owner shall, with appropriate dignity, reinter the remains in an area of the property secure from further disturbance.	
Geology and	Continuing Best Practice GEO-1: UC Berkeley will continue to comply with the	
Soils	California Building Code and the University of California Seismic Safety Policy.	
Geology and Soils	Continuing Best Practice GEO-2: Site-specific geotechnical studies will be conducted under the supervision of a California Registered Certified Engineering Geologist or licensed geotechnical engineer and UC Berkeley will incorporate recommendations for geotechnical hazard prevention and abatement into project design.	
Geology and Soils	Continuing Best Practice GEO-3: The UC Berkeley Seismic Review Committee will continue to review all seismic and structural engineering design for new and renovated existing buildings on campus.	
Geology and Soils	Continuing Best Practice GEO-4: UC Berkeley will continue to use site-specific seismic ground motions for analysis and design of campus projects. Site-specific ground motions provide more current geo-seismic data than the U.S. Geological Survey (USGS)	

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Coology and	and are used for performance-based analyses. Continuing Best Practice GEO-6: UC Berkeley will continue to implement programs
Geology and Soils	and projects in emergency planning, training, response, and recovery. Each campus
50115	Building Coordinator will prepare, and update as needed, building response plans and
	coordinate education and planning for all building occupants.
Geology and	Continuing Best Practice GEO-7: As stipulated in the UC Seismic Safety Policy, the
Soils	design parameters for specific site peak acceleration and structural reinforcement will be
	determined by the geotechnical and structural engineer for each new or rehabilitation
	project proposed under the LRDP. The acceptable level of actual damage that could be
	sustained by specific structures will be calculated based on geotechnical information
	obtained at the specific building site.
Geology and	Continuing Best Practice GEO-8: Site-specific geotechnical studies will include an
Soils	assessment of landslide hazard, including seismic vibration and other factors
	contributing to slope stability.
Geology and	Continuing Best Practice GEO-9: Campus construction projects must comply with the
Soils	Campus Design Standards, which contain regulatory and other campus requirements for construction-phase and post-construction stormwater management.
Geology and	Continuing Best Practice GEO-10: In the event that a unique paleontological resource
Soils	is identified during project planning or construction, the work will stop immediately in
50115	the area of effect, and the find will be protected until its significance can be determined
	by a qualified paleontologist. If the resource is determined to be a "unique resource," a
	mitigation plan will be formulated pursuant to guidelines developed by the Society of
	Vertebrate Paleontology and implemented to appropriately protect the significance of the
	resource by preservation, documentation, and/or removal, prior to recommencing
	activities in the area of effect. The plan will be prepared by the qualified paleontologist
	and submitted to the UC Berkeley project manager for review and approval prior to
XX 1 1	initiation or recommencement of construction activities in the area of effect.
Hazards and	Continuing Best Practice HAZ-1: UC Berkeley will continue to implement the same
Hazardous Materials	(or equivalent) health and safety plans, programs, practices, and procedures related to the use, storage, disposal, or transportation of hazardous materials and wastes (including
wraterials	chemical, radioactive, and biohazardous materials and wastes (including
	horizon. These include, but are not limited to:
	• Requirements for safe transportation of hazardous materials
	• UC Berkeley Office of Environment, Health & Safety training programs and oversight
	The Hazard Communication Program
	• Publication and promulgation of the Water Protection Policy, the drain disposal
	guidelines, the Wastewater Toxics Management Plan, and the Slug Control Plan
	• Requirements that laboratories have Chemical Hygiene Plans and a chemical inventory
	database
	• The Aboveground Storage Tank Spill Prevention Control and Countermeasure Plan
	and monitoring of underground storage tanks
	 Implementation of the hazardous waste disposal program and policies The Green Labs Program
	The Biosafety Program The Medical Waste Management Program

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	The Laser Safety Program
	The Radiation Safety Program
	The Drain Disposal Restrictions
	These programs may be subject to modification as regulations or UC Berkeley policies are developed or if the programs become obsolete through replacement by other programs that incorporate similar or more effective health and safety protection measures. However, any modifications must incorporate similar or more effective health and safety protection measures.
Hazards and	Continuing Best Practice HAZ-5: UC Berkeley will continue to perform site histories
Hazardous Materials	and due diligence assessments of all sites where ground-disturbing construction is proposed, to assess the potential for soil and groundwater contamination resulting from past or current site land uses at the site or in the vicinity. The investigation will include review of regulatory records, historical maps and other historical documents, and inspection of current site conditions. UC Berkeley will act to protect the health and safety of workers or others potentially exposed should hazardous site conditions be found.
Hydrology and	Continuing Best Practice HYD-1: During the plan check review process and
Water Quality	construction phase monitoring, UC Berkeley Office of Environment, Health & Safety
	will review each development project to determine whether project runoff would
	increase pollutant loading and verify that the proposed project complies with all
	applicable requirements (e.g., Regional Water Quality Control Board and Campus
	Design Standards requirements) and best management practices (e.g., those described in the California Stormwater Quality Association's Construction BMP Handbook).
Hydrology and	Continuing Best Practice HYD-2: UC Berkeley will continue implementing an urban
Water Quality	runoff management program containing best management practices, as published in the
Water Quality	Strawberry Creek Management Plan, and as developed through the Stormwater Permit
	Annual Reports completed for the Phase II municipal separate storm sewer system
	(MS4) permit. UC Berkeley will continue to comply with the MS4 stormwater
	permitting requirements by implementing construction and post-construction control
	measures and best management practices required by project-specific Stormwater
	Pollution Prevention Plans (SWPPPs) and by the Phase II MS4 permit to control
	pollution. SWPPPs will be prepared by the project contractor as required to prevent discharge of pollutions and to minimize acdimentation resulting from construction and
	discharge of pollutants and to minimize sedimentation resulting from construction and the transport of soils by construction vehicles.
Hydrology and	Continuing Best Practice HYD-3: UC Berkeley will maintain a campuswide
Water Quality	educational program regarding safe use and disposal of facilities maintenance chemicals
- v	and laboratory chemicals to prevent the discharge of these pollutants to Strawberry
	Creek and campus storm drains.
Hydrology and	Continuing Best Practice HYD-4: Where feasible, parking will be built in covered
Water Quality	parking structures and not exposed to rain to address potential stormwater runoff
<u></u>	pollutant loads.
Hydrology and Water Quality	Continuing Best Practice HYD-5: Landscaped areas of development sites will be
Water Quality	designed to absorb runoff from rooftops and walkways. Open or porous paving systems will be included in project designs, where feasible, to minimize impervious surfaces and
	where reasone, to minimize impervious surfaces and

Continuing Best Practice
absorb runoff.
Continuing Best Practice HYD-7: UC Berkeley will continue to review each
development project, to determine whether rainwater infiltration to groundwater is
affected. If it is determined that existing infiltration rates would be adversely affected,
UC Berkeley will design and implement the necessary improvements to retain and
infiltrate stormwater. Such improvements could include retention basins to collect and
retain runoff, grassy swales, infiltration galleries, planter boxes, permeable pavement, or
other retention methods. The goal of the improvement should be to ensure that there is
no net decrease in the amount of water recharged to groundwater that serves as
freshwater replenishment to Strawberry Creek. The improvement should maintain the
volume of flows and times of concentration from any given site at pre-development
conditions.
Continuing Best Practice HYD-8: Dewatering, when needed, will be monitored and
maintained by qualified engineers in compliance with the Campus Design Standards and
applicable regulations. Continuing Best Practice HYD-13: UC Berkeley will continue to manage runoff into
storm drain systems such that the aggregate effect of projects implemented pursuant to
the LRDP creates no net increase in runoff over existing conditions.
Continuing Best Practice LU-1: New projects in the Campus Park will, as a general
rule, conform to the Physical Design Framework. The Physical Design Framework
includes specific provisions to ensure projects at the city interface consider the transition
from campus to city.
Continuing Best Practice NOI-1: Mechanical equipment selection and building design
shielding will be used, as appropriate, so that noise levels from future building
operations would not exceed the City of Berkeley Noise Ordinance limits for
commercial areas or residential zones as measured on any commercial or residential
property in the area surrounding a project proposed to implement the LRDP. Controls
typically incorporated to attain this outcome include selection of quiet equipment, sound attenuators on fans, sound attenuator packages for cooling towers and emergency
generators, acoustical screen walls, and equipment enclosures.
Continuing Best Practice NOI-2: UC Berkeley will require the following measures for
all construction projects:
• Construction activities will be limited to a schedule that minimizes disruption to uses
surrounding the project site as much as possible. Construction outside the Campus Park
will be scheduled within the allowable construction hours designated in the noise
ordinance of the local jurisdiction to the full feasible extent, and exceptions will be
avoided except where necessary. As feasible, construction equipment will be required to
be muffled or controlled.
• The intensity of potential noise sources will be reduced where feasible by selection of
quieter equipment (e.g., gas or electric equipment instead of diesel powered, low noise
air compressors). • Europians such as concrete mixing and equipment repair will be performed off site
• Functions such as concrete mixing and equipment repair will be performed off-site whenever possible.
• Stationary equipment such as generators and air compressors will be located as far as
feasible from nearby noise-sensitive uses.

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	 At least 10 days prior to the start of construction activities, a sign will be posted at the entrance(s) to the job site, clearly visible to the public, that includes contact information for UC Berkeley's authorized representative in the event of a noise or vibration complaint. If the authorized contractor's representative receives a complaint, they will investigate, take appropriate corrective action, and report the action to UC Berkeley. During the entire active construction period and to the extent feasible, the use of noise-producing signals, including horns, whistles, alarms, and bells, will be for safety warning purposes only. The construction manager will use smart back-up alarms, which automatically adjust the alarm level based on the background noise level, or switch off back-up alarms and replace with human spotters in compliance with all safety requirements and laws.
	 For projects requiring pile driving: With approval of the project structural engineer, pile holes will be pre-drilled to minimize the number of impacts necessary to seat the pile. Pile driving will be scheduled to have the least impact on nearby sensitive receptors. Pile drivers with the best available noise control technology will be used. For example, pile driving noise control may be achieved by shrouding the pile hammer point of impact, by placing resilient padding directly on top of the pile cap, and/or by reducing exhaust noise with a sound-absorbing muffler.
	• Alternatives to impact hammers, such as oscillating or rotating pile installation systems, will be used where feasible.
Transportation	Continuing Best Practice TRAN-1: UC Berkeley will implement bicycle, pedestrian, and transit access and circulation improvements as part of new building projects, major renovations, and landscape projects. Improvements will address the goal of increasing non-vehicular commuting and safety; improving access from adjacent campus or city streets and public transit; reducing multi-modal conflict; providing bicycle parking; and providing commuter amenities.
Transportation	Continuing Best Practice TRAN-4: UC Berkeley will continue to work with the City of Berkeley, AC Transit, and BART to coordinate transit access to new academic buildings, parking facilities, and campus housing projects, in order to accommodate changing locations or added demand.
Transportation	Continuing Best Practice TRAN-5: UC Berkeley will require contractors working on major new construction or major renovation projects to develop and implement a Construction Traffic Management Plan that reduces construction-period impacts on circulation and parking within the vicinity of the project site. The Construction Traffic Management Plan will address job-site access, vehicle circulation, bicycle and pedestrian safety, and be coordinated with the City of Berkeley Public Works Department when projects require temporary modifications to city streets.
Transportation	 Continuing Best Practice TRAN-6: For each construction project, UC Berkeley will require the prime contractor to prepare a Construction Traffic Management Plan which will include the following elements: Proposed truck routes to be used, consistent with the City truck route map. Construction hours, including limits on the number of truck trips during the morning (AM) and evening (PM) peak traffic periods (7:00 to 9:00 a.m. and 4:00 to 6:00 p.m.), if

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	• Proposed employee parking plan (number of spaces and planned locations).
	 Proposed construction equipment and materials staging areas, demonstrating minimal
	conflicts with circulation patterns.
	• Expected traffic detours needed, planned duration of each, and traffic control plans for
	each.
	• Identifying bicycle and pedestrian detours and safety plan, including solutions to
	address impacts to accessible routes.
Transportation	Continuing Best Practice TRAN-7: UC Berkeley will manage project schedules to
munsportation	minimize the overlap of excavation or other heavy truck activity periods that have the
	potential to combine impacts on traffic loads and street system capacity, to the extent
	feasible.
Transportation	Continuing Best Practice TRAN-8: UC Berkeley will reimburse the City of Berkeley
	for its fair share of costs associated with damage to City streets from UC Berkeley
	construction activities, provided that the City adopts a policy for such reimbursements
	applicable to all development projects within Berkeley.
Utilities and	Continuing Best Practice USS-1: For development that increases water demand, UC
Service	Berkeley will continue to evaluate the size of existing distribution lines as well as
Systems	pressure of the specific feed affected by development on a project-by-project basis, and
	necessary improvements will be incorporated into the scope of work for each project to
	maintain current service and performance levels. The design of the water distribution
	system, including fire flow, for new buildings will be coordinated among UC Berkeley,
	the East Bay Municipal Utility District, and the City of Berkeley Public Works
	Department and Fire Department.
Utilities and	Continuing Best Practice USS-3: UC Berkeley will continue to incorporate specific
Service	water conservation measures into project design to reduce water consumption and
Systems	wastewater generation. This could include the use of special air-flow aerators, water-
	saving shower heads, flush cycle reducers, low-volume toilets, weather-based or
	evapotranspiration irrigation controllers, drip irrigation systems, and the use of drought
	resistant plantings in landscaped areas, and collaboration with the East Bay Municipal Utility District to explore suitable uses of recycled water.
Utilities and	Continuing Best Practice USS-4: UC Berkeley will analyze water and sewer systems
Service	on a project-by-project basis to determine specific capacity considerations for both UC
Systems	Berkeley systems and off-site municipal systems in the planning of any project proposed
~, 5001115	under the LRDP.
Utilities and	Continuing Best Practice USS-5: Payments to service providers to help fund
Service	wastewater treatment or collection facilities will conform to Section 54999 of the
Systems	California Government Code, including, but not limited to, the following provisions:
	• Fees will be limited to the cost of capital construction or expansion.
	• Fees will be imposed only after an agreement has been negotiated by UC Berkeley and
	the service provider.
	• The service provider must demonstrate the fee is nondiscriminatory: i.e. the fee must
	not exceed an amount determined on the basis of the same objective criteria and
	methodology applied to comparable nonpublic users, and must not exceed the
	proportionate share of the cost of the facilities of benefit to the entity property being

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	charged, based upon the proportionate share of use of those facilities.
	The service provider must demonstrate the amount of the fee does not exceed the
	amount necessary to provide capital facilities for which the fee is charged.
Utilities and	Continuing Best Practice USS-6: UC Berkeley will continue to implement the Zero
Service	Waste requirements of the UC Sustainability Policy designed to reduce the total quantity
Systems	of campus solid waste that is disposed of in landfills.
Utilities and	Continuing Best Practice USS-7: In accordance with the CalGreen Code, and as
Service	required for Leadership in Energy and Environmental Design certification, contractors
Systems	working for UC Berkeley will be required under their contracts to report their solid
	waste diversion according to UC Berkeley's waste management reporting requirements.
Wildfire	Continuing Best Practice WF-3: UC Berkeley will continue to plan and implement
	programs to reduce risk of wildland fires, including plan review and construction
	inspection programs that ensure that its projects incorporate fire prevention measures.

3. Record of Proceedings

Various documents and other materials constitute the record of proceedings upon which the University bases its findings and decision contained herein. Because of the complexity of the issues addressed in connection with the review of the Project, these documents and materials are located in various offices of UC Berkeley; the University of California, Berkeley Capital Strategies' Physical and Environmental Planning office; and/or offices of consultants retained by the University to assist with the development and analysis of the Project. The custodian for these documents and materials is the University of California, Berkeley Capital Strategies' Physical and Environmental Planning office, located at 300 A&E Building, Berkeley, CA 94720-1382.

III. <u>APPROVALS</u>

The University hereby takes the following actions:

- A. Adopt the CEQA Findings for the Gateway New Academic Building project having considered the UC Berkeley 2021 Long Range Development Plan Environmental Impact Report (2021 LRDP EIR) and Addendum No. 1 to the 2021 LRDP EIR for the Gateway New Academic Building project.
- **B.** Make a condition of approval, the implementation of applicable mitigation measures and continuing best practices within the responsibility and jurisdiction of UC Berkeley as identified in the Mitigation Monitoring and Reporting Program adopted in connection with the 2021 LRDP EIR
- C. Approve the design of the Gateway New Academic Building project, UC Berkeley, based on the information contained herein.