

UCLA 2008 NORTHWEST HOUSING INFILL PROJECT
& LONG RANGE DEVELOPMENT PLAN AMENDMENT
FINAL ENVIRONMENTAL IMPACT REPORT

FINAL ENVIRONMENTAL IMPACT REPORT SUMMARY

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SECTION 1.0 EXECUTIVE SUMMARY

1.1 INTRODUCTION

The California Environmental Quality Act (CEQA) requires that lead agencies consider the environmental consequences of projects over which they have discretionary approval authority, prior to taking approval action on such projects. An Environmental Impact Report (EIR) is a public document designed to provide the lead, responsible and interested agencies, special districts, local and State governmental agency decision-makers and the public with an analysis of potential environmental consequences to support informed decision-making.

The University of California, Los Angeles (UCLA) is proposing to construct additional undergraduate student housing in the campus Northwest zone to meet the continued unmet demand. Because this additional undergraduate student housing was not contemplated under the 2002 Long Range Development Plan (LRDP), UCLA proposes to amend the 2002 LRDP (referred to as the “LRDP Amendment”) to accommodate the proposed Northwest Housing Infill Project (2008 NHIP). A summary description of the proposed 2008 NHIP and proposed LRDP Amendment (collectively referred to herein as the “proposed Project”) is provided below, and a detailed description is provided in Section 3, Project Description.

This EIR has been prepared to address the potential environmental effects associated with implementation of the proposed Project, and has been prepared pursuant to the requirements of the California Environmental Quality Act (CEQA, California *Public Resources Code*, Section 21000 et seq.), the CEQA Guidelines (Title 14, *California Code of Regulations*, Chapter 3, Section 15000 et seq.), and the University of California (UC) procedures for implementing CEQA. As discussed in Section 2.2, Type of EIR, the proposed 2008 NHIP is being evaluated in this EIR at a “project-level”. The proposed amendment to the 2002 LRDP is being evaluated at a “program-level”. A program level analysis for a proposed amendment to a LRDP is appropriate because a LRDP is not an implementation plan for a specific project, rather, it is a land use plan that guides the physical development of the campus. This EIR updates the impact analysis and conclusions of the 2002 LRDP Final EIR (SCH # 2002031115, February 2003) to reflect new baseline conditions, and considers an extension of the LRDP planning horizon from 2010 to 2013 (refer to Section 3.6 for a description of the planning horizon year).

In addition to addressing the potential environmental impacts that would result from the proposed Project, this EIR would provide a basis for the preparation of subsequent environmental documentation for future campus development that could be proposed under the 2002 LRDP as amended, including all associated discretionary approvals required for implementation of those future projects. UCLA and the University of California (UC) Office of the President have reviewed and revised, as necessary, all submitted drafts, technical studies, and reports for consistency with UC policies and requirements and has commissioned the preparation of this EIR to reflect its own independent judgment, including: (1) reliance on appropriate UCLA technical personnel and (2) review of all technical subconsultant reports. Data for this EIR was obtained from on-site field observations; discussion with affected agencies; review of adopted plans and policies; review of available studies, reports, and data; and specialized environmental assessments prepared for the project (i.e., air quality, geology and soils, hazards, hydrology, water quality, noise, traffic, utilities, and climate change).

This EIR discusses alternatives to the proposed Project and includes a mitigation monitoring program that will offset, minimize, or otherwise avoid significant environmental impacts. Following is a summary of the Project; project alternatives; areas of controversy and issues to

be resolved; potential significant and unavoidable impacts; and mitigation measures identified through the analysis presented in this EIR.

1.2 PROJECT SUMMARY

The 419-acre UCLA campus is located in the Westwood Community in the City of Los Angeles, approximately 12 miles from Downtown Los Angeles and 6 miles from the Pacific Ocean (Figure 3-1 in Section 3, Project Description, depicts the regional location of the campus and Figure 3-2 depicts the local vicinity). The proposed 2008 NHIP is located in the Northwest zone, which constitutes approximately 90.5 acres of the 419-acre UCLA campus. The Northwest zone is bound by Sunset Boulevard to the north, Veteran Avenue to the west, Gayley Avenue to the south, and Charles E. Young Drive West to the east.

PROPOSED 2008 NHIP

Due to continuing unmet demand for on-campus undergraduate student housing (described in Section 3.2 of this EIR), UCLA proposes to design and construct infill housing in the Northwest zone, consisting of 1,525 beds, a Dining Commons, a Fitness Center, a Multi-Purpose Room, a small number of faculty-in-residence apartments, and a renovated/expanded Housing Maintenance space (which would replace the existing space with a larger space). Construction of the proposed 2008 NHIP is expected to begin approximately May 2009 with an anticipated completion by December 2012 and occupancy by 2013.

The proposed 2008 NHIP would total approximately 550,000 gross square feet (gsf) of new building space. The campus' Northwest zone (the only zone on campus designated for undergraduate housing) does not offer a single, large site that can accommodate 1,525 bed spaces and the related support facilities. As a result, the 2008 NHIP proposes an infill development strategy for the needed residential, support, and recreational facilities. The new housing would be accommodated in four new buildings (referred to as Sproul South/Complex, Sproul West, Upper De Neve, and Lower De Neve) at three locations. The proposed Sproul South would be a six-story residence hall constructed on top of the new three-story Sproul Complex, which would be located on the northwestern corner of De Neve Drive and Charles E. Young Drive West. Sproul West would be a nine-story building located on the northwestern corner of De Neve Drive and Sproul Circle Drive. The Upper De Neve and Lower De Neve would be nine and seven stories in height (respectively) located west of the existing De Neve Plaza housing complex, north of Gayley Avenue.

Development of the 2008 NHIP would require demolition of the small Office of Residential Life Building and a portion of Sproul Hall (Rooms Division and Maintenance) totaling approximately 10,000 gsf. Additionally, the proposed 2008 NHIP would require upgrades to, or installation of new and/or replacement connections to existing utilities to serve the proposed residential and support uses.

Vehicular access to Sproul West would be from Sproul Hall Circle Drive while access to Sproul South and Sproul Complex would be from De Neve Drive. For the new Upper De Neve building, a vehicular drop-off with two to three short-term parking spaces would be provided adjacent to De Neve Drive. The Lower De Neve component of the proposed 2008 NHIP would include modifications to the northern side of Gayley Avenue adjacent to the project boundary to provide two new service access driveways. Pedestrian facilities would also be provided throughout the proposed 2008 NHIP.

The proposed 2008 NHIP would create housing to accommodate 1,525 existing students (who are either commuting to campus or are currently housed in triple-room accommodations); no

increase in student enrollment would result from the proposed housing project. However, approximately 151 new staff members (or approximately 131 full-time-equivalent employees) would be employed on campus by 2013 to provide administrative, housing maintenance, information technology, and dining services to the expanded residential population. With completion of the proposed 2008 NHIP, UCLA would accommodate roughly 11,000 undergraduate student residents.

PROPOSED LRDP AMENDMENT

Because this proposed additional undergraduate student housing was not contemplated under the 2002 LRDP, UCLA proposes to amend the 2002 LRDP (referred to as the “LRDP Amendment”) to allocate an additional 550,000 gsf of new development in the Northwest campus zone necessary to accommodate the proposed 2008 NHIP square footage. In addition, because the proposed 2008 NHIP has an anticipated completion date of 2013, the projected campus population in 2013 has been estimated to account for growth beyond the 2010 population projections provided in the 2002 LRDP for purposes of this environmental impact analysis. The proposed LRDP Amendment would update remaining square footage development allocations for each campus zone totaling 1.32 million gsf and maintain the same 2002 LRDP average daily vehicle trip and parking inventory limits from 2010 (the current LRDP horizon year) to 2013. The proposed LRDP Amendment would enable provision of additional on-campus undergraduate student housing while reserving the campus-wide remaining new development allocation of 1.32 million gsf previously approved under the 2002 LRDP to address the needs of the academic, research and community service mission of UCLA through 2013. Therefore, the maximum additional building space that could be developed under the 2002 LRDP, as amended, would be 1.87 million gsf.

1.3 PROJECT ALTERNATIVES

In accordance with Section 15126.6 of the CEQA Guidelines, Section 5 of this EIR addresses alternatives to proposed Project. Section 5 provides descriptions of each alternative, a comparative analysis of the potential environmental effects of each alternative to those associated with the proposed Project, and a discussion of each alternative’s ability to meet the project objectives. Following is a summary description of the alternatives evaluated in this EIR; a detailed description is provided in Section 5.

ALTERNATIVE A: NO PROJECT/CONTINUED DEVELOPMENT UNDER 2002 LRDP

This alternative contemplates that the 2008 NHIP would not be constructed and that no amendment to the 2002 LRDP would be considered. It assumes, however, that the campus would proceed with the same level of development contemplated and previously approved under the existing 2002 LRDP, together with related pre-existing project approvals and current infrastructure. Accordingly, this alternative assumes continuation of the aggregate development level, vehicle trip limits, and parking limits, established under the 2002 LRDP. Taking into account current baseline conditions and infrastructure, approximately 1.32 million square feet remains for new development allocated among the 8 campus land use zones under the 2002 LRDP. Therefore, the square footage development analyzed under this Alternative would be approximately 1.32 million gsf of remaining allocation under the 2002 LRDP. The current parking limit of 25,169 spaces and vehicle trip limit of 139,500 trips would also be maintained.

ALTERNATIVE B: ALTERNATIVE LOCATION

Under this alternative, the proposed 2008 NHIP would be built, in its entirety (beds and support facilities), on surface Parking Lot 36 in the Southwest zone of the campus (Lot 36). This

alternative would include a proposed amendment to the 2002 LRDP to provide an additional 550,000 gsf to accommodate the 2008 NHIP in that zone of the campus. As with the proposed Project, under this alternative the remaining 2002 LRDP development allocation of 1.32 million square feet would continue to be implemented. Therefore, when combined with previously approved development under the 2002 LRDP, the total square footage of new potential development that could occur on the campus is the same as for the proposed Project, or approximately 1.87 million square feet. In order to construct the new housing at Lot 36, the existing surface parking spaces (approximately 637) would need to be replaced on a minimum one-for-one basis, in a subterranean parking structure located beneath the development. Because these spaces are needed for campus operations, during construction of the replacement parking, an interim stack parking plan would need to be implemented so as to ensure continued availability of parking for campus users.

ALTERNATIVE C: REDUCED FOOTPRINT ALTERNATIVE

Because of the limited land available in the Northwest zone for additional student housing, this alternative examines the potential development of the proposed 2008 NHIP on only two of the three sites considered for the proposed Project. That is, this alternative assumes that the proposed 2008 NHIP, in its entirety, would be accommodated in two high-rise buildings (approximately 16 to 18 stories each) on the sites for the proposed Sproul West and Sproul Complex/South buildings (i.e., Sproul sites). As with the proposed Project, this alternative would include a proposed amendment to the 2002 LRDP to provide an additional 550,000 gsf to accommodate the 2008 NHIP in the northwest zone of the campus, while continuing to implement the remaining development allocation under the 2002 LRDP of approximately 1.32 million square feet, for a total of approximately 1.87 million square feet of future development.

ALTERNATIVE D: REDUCED DEVELOPMENT ALTERNATIVE

This alternative involves provision of the same 2008 NHIP as the proposed Project without including the proposed Amendment to the 2002 LRDP to add 550,000 gsf of new development allocation to the Northwest zone to accommodate the 2008 NHIP. Because there is insufficient remaining development allocation in the Northwest zone (i.e., approximately 104,000 gsf) to accommodate the 2008 NHIP, under this alternative, an amendment to the 2002 LRDP to re-allocate (or transfer) development allocation from other campus zones (Bridge and Southwest zones) to accommodate the 2008 NHIP in the Northwest zone would be considered. Under this alternative the total square footage of new potential development that could occur on the campus would be the same as the remaining development allocation under the 2002 LRDP of 1.32 million square feet.

1.4 ISSUES TO BE RESOLVED

Section 15123(b)(3) of the CEQA Guidelines requires that an EIR contain a discussion of issues to be resolved. With respect to the proposed Project, the key issues to be resolved include decisions by the The Board of Regents (The Regents) of the University of California as Lead Agency, as to:

- Whether this environmental document adequately describes the environmental impacts of the proposed Project;
- Whether the recommended mitigation measures and identified campus programs, practices and procedures should be modified and/or adopted;
- Whether the project benefits override those environmental impacts that cannot be feasibly avoided or mitigated to a level below significance;

- Whether there are other mitigation measures that should be applied to the project besides those identified in the EIR; and
- Whether there are any alternatives to the proposed Project that would substantially lessen any of its significant impacts while achieving most of the basic project objectives.

1.5 AREAS OF CONTROVERSY

Section 15123(b)(2) of the State CEQA Guidelines indicates that an EIR summary should identify areas of controversy known to the lead agency including issues raised by agencies and the public. At the time of the issuance of Notice of Availability for this Draft EIR, the UC is not aware of any areas of controversy.

This EIR has taken into consideration the comments received from the public, and various agencies in response to the Notice of Preparation (NOP) and during the public scoping session held on June 10, 2008. Written comments received during the NOP and scoping period are contained in Appendix A. Environmental issues that have been raised during opportunities for public input on the project are summarized in Section 2.3 of this EIR and addressed in each relevant issue area analyzed in Section 4 of this EIR

1.6 SUMMARY OF SIGNIFICANT ENVIRONMENTAL IMPACTS

Tables 1-1 and 1-2 provided at the end of this section present a summary of the environmental impacts resulting from the proposed 2008 NHIP and remaining buildout of the 2002 LRDP, as amended, respectively. These tables have been organized to correspond with the environmental issues discussed in Sections 4.1 through 4.15. It should be noted that the identified 2002 LRDP Final EIR campus programs, practices, and procedures (PPs) carried forward and new PPs that have been identified are considered to be part of the proposed Project for purposes of determining the level of significance prior to mitigation. While the campus has evaluated a range of potential mitigation measures (MMs) (including 2002 LRDP Final EIR MMs and new MMs) to reduce significant project impacts and will implement all feasible mitigation measures, construction and operation of the proposed Project would result in the significant and unavoidable impacts listed below.

PROPOSED 2008 NHIP

- **Impact 4.2.2** – Regional construction emissions would exceed SCAQMD standards for oxides of nitrogen (NO_x).
- **Impact 4.2-4a** – Construction activities would create a short-term, cumulatively considerable net increase of a criteria pollutant for which the project region is in nonattainment (NO_x).
- **Impact 4.9-2** – Construction activities could generate and expose persons on campus, including residents, to excessive groundborne vibration levels.
- **Impact 4.9-7** – Construction activities could result in substantial temporary or periodic increases in ambient noise levels at on-campus locations.
- **Impact 4.9-8** – Construction activities could result in substantial temporary or periodic increases in ambient noise levels at off-campus locations.

- **Impact 4.13-2** – Generation of construction-related vehicle trips could impact traffic conditions along roadway segments and at individual intersections.

REMAINING BUILDOUT OF THE 2002 LRDP AS AMENDED

- **Impact 4.2.2** – Regional construction emissions would exceed SCAQMD standards for NO_x.
- **Impact 4.2-3b** – Daily operational emissions of volatile organic compounds (VOC) and NO_x could substantially contribute to an existing or projected air quality violation.
- **Impact 4.2-4c** – There would be both a short-term and long-term cumulatively considerable net increase of a criteria pollutant for which the project region is in nonattainment (NO_x).
- **Impact 4.9-2** – Construction activities could generate and expose persons on campus, including residents, to excessive groundborne vibration levels.
- **Impact 4.9-7** – Construction activities could result in substantial temporary or periodic increases in ambient noise levels at on-campus locations.
- **Impact 4.9-8** – Construction activities could result in substantial temporary or periodic increases in ambient noise levels at off-campus locations.
- **Impact 4.13-1b** – Generation of additional vehicular trips would result in a substantial degradation in intersection levels of service.
- **Impact 4.13-2** – Generation of construction-related vehicle trips could impact traffic conditions along roadway segments and at individual intersections.
- **Impact 4.13-3b** – The proposed Project would exceed established service levels at intersections designated by the Los Angeles Congestion Management Program.

CUMULATIVE IMPACTS

- **Air Quality** – Short-term construction activities and long-term operations associated with the proposed Project would contribute to a cumulatively considerable increase in regional emissions of a pollutant for which the Basin is in nonattainment (NO_x is an ozone [O₃] precursor and the Basin is in nonattainment for O₃).
- **Noise and Vibration** – If there were concurrent construction projects in the same area (on and off campus), the combined noise increase would exceed 10 A-weighted decibels (dBA) resulting in a temporary cumulatively significant impact.
- **Transportation/Traffic** – The proposed Project would result in significant cumulative impacts at the following study intersections:
 - 15. Montana Avenue/Gayley Avenue and Veteran Avenue,
 - 35. Wilshire Boulevard and Sepulveda Boulevard,
 - 36. Wilshire Boulevard and Veteran Avenue,
 - 37. Wilshire Boulevard and Gayley Avenue,

- 38. Wilshire Boulevard and Westwood Boulevard,
- 43. Wilshire Boulevard and Beverly Glen Boulevard,
- 44. Ohio Avenue and Sawtelle Boulevard,
- 52. Santa Monica Boulevard and Veteran Avenue.

- **Transportation/Traffic** – The proposed Project would result in significant cumulative impacts at the following designated CMP arterial monitoring stations: (1) Sepulveda Boulevard/Wilshire Boulevard and (2) Wilshire Boulevard/Beverly Glen Boulevard.
- **Transportation/Traffic** – Due to the potential overlap between construction of projects under the 2002 LRDP, as amended, and construction of projects off campus, it is anticipated that at times the proposed Project's contribution to cumulative short-term traffic would be considerable and, therefore, significant and unavoidable.

1.7 **MITIGATION MONITORING AND REPORTING PROGRAM**

CEQA requires that a public agency adopt a Mitigation Monitoring and Reporting Program (MMRP) for mitigation measures that have been incorporated into the project to reduce or avoid significant effects on the environment. The MMRP is designed to ensure compliance during project implementation, as required by Section 21081.6 of the *Public Resources Code*. This EIR discusses existing 2002 LRDP Final EIR MMs that would be implemented to reduce significant environmental impacts, and identifies new MMs that further reduce impacts. In addition, existing campus 2002 LRDP Final EIR PPs that currently reduce environmental impacts will be continued throughout the extended LRDP planning horizon, and new PPs would be implemented. The MMRPs for the proposed 2008 NHIP and the 2002 LRDP, as amended, which obligate the University to implement MMs and continue to follow PPs equally, will be prepared and reviewed by The Regents in conjunction with consideration of the proposed Project and certification of the Final EIR.

**TABLE 1-1
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

In this summary table, 2002 LRDP Final EIR campus Programs, Practices and Procedures (PPs) or Mitigation Measures (MMs) that were modified or new as part of the 2008 NHIP and LRDP Amendment Draft EIR are shown in **bold** text, deleted text is shown in ~~strikeout~~. Clarifications and revisions made to PPs and MMs as part of the 2008 NHIP and LRDP Amendment Final EIR are identified with a line in the right margin.

In addition, under the *Summary of Impacts Prior to Mitigation* column, the level of significance is identified with the following abbreviations: **NI**: No Impact; **LS**: Less than Significant Impact; **PS**: Potentially Significant Impact

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Aesthetics (Section 4.1)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.1-1(a)	The design process shall evaluate and incorporate, where appropriate, factors including, but not necessarily limited to, building mass and form, building proportion, roof profile, architectural detail and fenestration, the texture, color, and quality of building materials, focal views, pedestrian and vehicular circulation and access, and the landscape setting to ensure preservation and enhancement of the visual character and quality of the campus and the surrounding area. Landscaped open space (including plazas, courts, gardens, walkways, and recreational areas) shall be integrated with development to encourage use through placement and design.	
PP 4.1-1(b)	The Mildred E. Mathias Botanical Garden, Franklin D. Murphy Sculpture Garden, Dickson Plaza, Janss Steps, Stone Canyon Creek area, Meyerhoff Park, Wilson Plaza, Bruin Plaza, and the University Residence shall be maintained as open space preserves during the 2002 LRDP planning horizon.	
PP 4.1-2(a)	Additions to, or expansions of, existing structures shall be designed to complement the existing architectural character of the buildings.	
PP 4.1-2(b)	The architectural and landscape traditions that give the campus its unique character shall be respected and reinforced.	
PP 4.1-2(c)	Projects proposed under 2002 LRDP shall include landscaping.	
PP 4.1-2(d)	The western, northern, and eastern edges of the main campus shall include a landscaped buffer to complement the residential uses of the surrounding community and to provide an attractive perimeter that effectively screens and enhances future development.	
Impact 4.1-1a: Implementation of the proposed 2008 NHIP would not impact any scenic vistas (focal views). (NI)	Applicable PPs: None. Mitigation measures are not required.	No Impact
Impact 4.1-2: Implementation of the proposed 2008 NHIP would not substantially degrade the visual character or quality of the campus and the immediately surrounding area. (LS)	Applicable PPs: PP 4.1-1(a) through PP 4.1-2(d), PP 4.8-1(d) (from Section 4.8, Land Use and Planning). Although mitigation measures are not required, implementation of MMs 4.3-1(c) and 4.3-4 from Section 4.3, Biological Resources, would further reduce this impact.	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.1-3: Implementation of the proposed 2008 NHIP could create a new source of glare on campus or in the vicinity that would adversely affect day or nighttime views in the area. (PS) Implementation of the proposed 2008 NHIP would have less than significant impacts related to the introduction of new light sources. (LS)</p>	<p>Applicable PP: PP 4.1-2(d).</p> <p>2002 LRDP Final EIR Mitigation Measures Carried Forward</p> <p>MM 4.1-3(a) Design for specific projects shall provide for the use of textured non-reflective exterior surfaces and non-reflective glass.</p> <p>MM 4.1-3(b) All outdoor lighting shall be directed to the specific location intended for illumination (e.g., roads, walkways, or recreation fields) to limit stray light spillover onto adjacent residential areas. In addition, all lighting shall be shielded to minimize the production of glare and light spill onto adjacent uses.</p> <p>MM 4.1-3(c) Ingress and egress from parking areas shall be designed and situated so the vehicle headlights are shielded from adjacent uses. If necessary, walls or other light barriers will be provided.</p>	<p>Less than Significant</p>
<p>Impact 4.1-4: Implementation of the proposed 2008 NHIP would not cause shade and/or a shadow on currently unshaded, shadow-sensitive uses off campus. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Air Quality (Section 4.2)</p>		
<p>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</p>		
<p>PP 4.2-2(a)</p>	<p>The campus shall continue to implement dust control measures consistent with SCAQMD Rule 403—Fugitive Dust during the construction phases of new project development. The following actions are currently recommended to implement Rule 403 and have been quantified by the SCAQMD in the URBEMIS program as being able to reduce dust generation between 30 and 85 5 and 84 percent depending on the source of the dust generation measure or combination of measures used from the list below:</p> <ul style="list-style-type: none"> • Minimize land disturbance to the extent feasible. • Apply water and/or approved nontoxic chemical soil stabilizers according to manufacturer's specification to all inactive construction areas (previously graded areas that have been inactive for 10 or more days) • Apply water three times daily to all active disturbed areas. • Replace ground cover in disturbed areas as quickly as possible. • Enclose, cover, water twice daily, or apply approved chemical soil binders to exposed piles with 5 percent or greater silt content. • Water active grading sites at least twice daily. • Suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 miles per hour over a 30-minute period. • All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least two feet of freeboard (i.e., minimum vertical distance between top of the load and the top of the trailer), in accordance with Section 23114 of the California Vehicle Code. • Sweep streets at the end of the day if visible soil material is carried over to adjacent roads. 	

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<ul style="list-style-type: none"> • Install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip. • Apply water three times daily or chemical soil stabilizers according to manufacturers' specifications to all unpaved parking or staging areas or unpaved road surfaces. • Post and enforce traffic speed limits of 15 miles per hour or less on all unpaved roads. <p>PP 4.2-2(b) The campus shall continue to require by contract specifications that construction equipment engines will be maintained in good condition and in proper tune per manufacturer's specification for the duration of construction.</p> <p>PP 4.2-2(c) The campus shall continue to require by contract specifications that construction operations rely on the campus' existing electricity infrastructure rather than electrical generators powered by internal combustion engines to the extent feasible.</p> <p><i>New Campus Program, Practice, and Procedure</i></p> <p>PP 4.2-2(d) The campus shall purchase and apply architectural coatings in accordance with SCAQMD Rule 1113, thereby ensuring the limitation of VOCs during construction.</p>		
<p>Impact 4.2-1: Implementation of the proposed 2008 NHIP would not conflict with or obstruct implementation of the Air Quality Management Plan. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.2-2: Regional construction emissions from the proposed 2008 NHIP would exceed SCAQMD standards for NOx. These exceedances would contribute substantially to an existing or projected air quality violation. (PS)</p>	<p>Applicable PPs: PP 4.2-2(a), PP 4.2-2(b), PP 4.2-2(c), and PP 4.2-2(d).</p> <p><i>2002 LRDP Final EIR Mitigation Measures Carried Forward (as amended)</i></p> <p>MM 4.2-2(a) The campus shall require by contract specifications that construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than five minutes.</p> <p>MM 4.2-2(b) The campus shall encourage contractors to utilize alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) and low emission diesel construction equipment low-NOx fuel) to the extent that the equipment is readily reasonably commercially available and cost effective.</p> <p><i>New Mitigation Measure</i></p> <p>MM 4.2-2(c) The campus shall require by contract specifications that construction-related equipment used on site and for on-road export of soil meet USEPA Tier III certification requirements, as feasible.</p>	<p>Significant and Unavoidable</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.2-3a: Implementation of the proposed 2008 NHIP would result in daily operational regional emissions of criteria pollutants and O ₃ precursors, but would not contribute substantially to an existing or projected air quality violation. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.2-4a: Construction of the proposed 2008 NHIP could result in a short-term cumulatively considerable net increase of a criteria pollutant for which the project region is in nonattainment under an applicable federal or State ambient air quality standard. (PS)	Applicable PPs: PP 4.2-2(a), PP 4.2-2(b), PP 4.2-2(c), PP 4.2-2(d), MM 4.2-2(a), MM 4.2-2(b), and MM 4.2-2(c). No additional feasible mitigation measures are available beyond those identified.	Significant and Unavoidable
Impact 4.2-4b: Operation of the proposed 2008 NHIP would not result in a long-term cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or State ambient air quality standard. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.2-5a: Implementation of the proposed 2008 NHIP would not expose sensitive receptors near roadway intersections to substantial pollutant concentrations due to carbon monoxide hotspots. (NI)	Mitigation measures are not required.	No Impact
Impact 4.2-6 Implementation of the proposed 2008 NHIP would not expose sensitive receptors to substantial criteria pollutant concentrations from emissions generated on the project site. (LS)	Mitigation measures are not required.	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.2-7 Implementation of the proposed 2008 NHIP would not expose sensitive receptors on or off campus to substantial pollutant concentrations due to campus-generated toxic air emissions. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Biological Resources (Section 4.3)</p>		
<p><i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i></p>		
<p>PP 4.3-1(a)</p>	<p>Mature trees to be retained and protected in place during construction, shall be fenced at the drip-line, and maintained by the contractor in accordance with landscape specifications contained in the construction contract.</p>	
<p>PP 4.3-1(b)</p>	<p>Trees shall be examined by an arborist and trimmed, if appropriate, prior to the start of construction.</p>	
<p>PP 4.3-1(c)</p>	<p>Construction contract specifications shall include the provision for temporary irrigation/watering and feeding of these trees during construction, as recommended by the designated arborist.</p>	
<p>PP 4.3-1(d)</p>	<p>Construction contract specifications shall require that no building material, parked equipment, or vehicles shall be stored within the fence line of any tree.</p>	
<p>PP 4.3-1(e)</p>	<p>Examination of these trees by an arborist shall be performed monthly during construction to ensure that they are being adequately maintained.</p>	
<p>Impact 4.3-1: Implementation of the proposed 2008 NHIP could have a substantial adverse effect on nesting birds, including nesting raptors, which are protected by federal and State regulations, if trees are removed during the breeding season. (PS)</p>	<p>Applicable PPs: PP 4.3-1(a), PP 4.3-1(b), PP 4.3-1(c), PP 4.3-1(d), PP 4.3-1(e).</p> <p><i>2002 LRDP Final EIR Mitigation Measures Carried Forward (as amended)</i></p> <p>MM 4.3-1(a) Prior to the onset of construction activities that occur between March and mid-August (February 1 through June 30 for raptors), surveys for nesting special status avian species and raptors shall be conducted on the affected portion of the campus following USFWS and/or CDFG guidelines. If no active avian nests are identified on or within 250 feet of the construction site, no further mitigation is necessary.</p> <p>MM 4.3-1(b) If active nests for avian species of concern or raptor nests are found within the construction footprint or within a 250-foot buffer zone around the construction site, exterior construction activities shall be delayed within the construction footprint and buffer zone until the young have fledged or appropriate mitigation measures responding to the specific situation have been developed and implemented in consultation with CDFG.</p> <p>MM 4.3-1(c) In conjunction with CEQA documentation required for each project proposal under the 2002 LRDP, as amended, that would result in the removal of one</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>or more mature trees, the project will include a tree replacement plan with a 1:1 tree replacement ratio at the development site where feasible and/or elsewhere within the campus boundaries where feasible. If it is not feasible to plant replacement trees at a 1:1 ratio within the campus boundaries, the tree replacement plan will include the planting of native shrubs in ecologically appropriate areas within the campus boundaries that would provide nesting, foraging or roosting habitat for birds so that the replacement number of trees and shrubs will result in a 1:1 replacement ratio.</p>	
<p>Impact 4.3-2a: Implementation of the proposed 2008 NHIP would not have a substantial adverse effect on special status plant or wildlife species. (NI)</p>	<p>Mitigation measures are not required.</p>	<p>No Impact</p>
<p>Impact 4.3-3: Implementation of the proposed 2008 NHIP would not have a substantial adverse effect on the movement of any native resident or migratory fish or wildlife species, established wildlife corridors, or native wildlife nursery sites. (NI)</p>	<p>Mitigation measures are not required.</p>	<p>No Impact</p>
<p>Impact 4.3-4: Implementation of the proposed 2008 NHIP could impact mature and protected tree species. (PS)</p>	<p>Applicable PPs/MMs: PP 4.3-1(a), PP 4.3-1(b), PP 4.3-1(c), PP 4.3-1(d), PP 4.3-1(e), MM 4.3-1(c).</p> <p><i>New Mitigation Measure</i></p> <p>MM 4.3-4 UCLA shall replace protected trees removed for construction of projects under the 2002 LRDP, as amended, with protected trees of the same species at a 2:1 ratio as presented in the City of Los Angeles Protected Tree Ordinance (Ordinance Number 177404). Protected trees are defined as coast live oak, valley oak, western sycamore, Southern California black walnut, and California bay laurel.</p>	<p>Less than Significant</p>
<p>Impact 4.3-5a: Implementation of the proposed 2008 NHIP would not impact the area along Stone Canyon Creek or coastal sage scrub within the 4-acre parcel. (NI)</p>	<p>Mitigation measures are not required.</p>	<p>No Impact</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Cultural Resources (Section 4.4)		
<i>New Campus Programs, Practices, and Procedures</i>		
PP 4.4-1(a)	<p><u>Structures outside the campus Historic Core that appear to have historic significance, or are over 45 years old, that may be directly or indirectly impacted by a proposed development project shall be reviewed by the campus and a qualified architectural historian or historic architect for eligibility for listing on the California Register of Historical Resources. If a structure is identified as eligible for listing in the California Register of Historical Resources, and it is determined that the project could have a significant adverse impact on the structure, the campus and a qualified historic architect shall consider design modifications, mitigation measures and/or alternatives that could minimize, avoid or substantially reduce the impacts, and consider whether and to what extent the project could comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings (Weeks and Grimmer 1995). Structures 45 years or older that have not yet been evaluated for significance and may be directly or indirectly impacted by a proposed development project shall be evaluated for eligibility for listing in the California Register of Historic Resources. The campus shall continue to implement all modifications to historic structures in compliance with the Secretary of the Interior's Standards for Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings (Weeks and Grimmer 1995).</u></p>	
PP 4.4-1(b)	The integrity of the Campus Historic Core shall be maintained.	
Impact 4.4-1a: Implementation of the proposed 2008 NHIP would have no impact on the significance of structures that have been designated as eligible or potentially eligible for listing on the NRHP or CRHR. (NI)	Mitigation measures are not required.	No Impact
Impact 4.4-2: Construction associated with the proposed 2008 NHIP may cause a substantial adverse change in the significance of an archaeological resource. (PS)	<p>2002 LRDP Final EIR Mitigation Measures Carried Forward</p> <p>MM 4.4-2(a) Prior to site preparation or grading activities, construction personnel shall be informed of the potential for encountering unique archaeological resources and taught how to identify these resources if encountered. This shall include the provision of written materials to familiarize personnel with the range of resources that might be expected, the type of activities that may result in impacts, and the legal framework of cultural resources protection. All construction personnel shall be instructed to stop work in the vicinity of a potential discovery until a qualified, non-University archaeologist assesses the significance of the find and implements appropriate measures to protect or scientifically remove the find. Construction personnel shall also be informed that unauthorized collection of archaeological resources is prohibited.</p> <p>MM 4.4-2(b) Should archaeological resources be found during ground-disturbing activities</p>	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>for any project, a qualified Archaeologist shall first determine whether an archaeological resource uncovered during construction is a “unique archaeological resource” pursuant to Section 21083.2(g) of the Public Resources Code or a “historical resource” pursuant to Section 15064.5(a) of the CEQA Guidelines. If the archaeological resource is determined to be a “unique archaeological resource” or a “historical resource,” the Archaeologist shall formulate a mitigation plan in consultation with the campus that satisfies the requirements of Section 21083.2 and 15064.5.</p> <p>If the Archaeologist determines that the archaeological resource is not a “unique archaeological resource” or “historical resource,” s/he may record the site and submit the recordation form to the California Historic Resources Information System at the South Central Coastal Information Center.</p> <p><i>The Archaeologist shall prepare a report of the results of any study prepared as part of a mitigation plan, following accepted professional practice. Copies of the report shall be submitted to the University and to the California Historic Resources Information System at the South Central Coastal Information Center.</i></p>	
<p>Impact 4.4-3: Construction of the proposed 2008 NHIP could directly or indirectly result in damage to, or the destruction of, unique paleontological resources on site or unique geologic features. (PS)</p>	<p>2002 LRDP Final EIR Mitigation Measures Carried Forward</p> <p>MM 4.4-3(a) Prior to site preparation or grading activities, construction personnel shall be informed of the potential for encountering paleontological resources and taught how to identify these resources if encountered. This shall include the provision of written materials to familiarize personnel with the range of resources that might be expected; the type of activities that may result in impacts; and the legal framework of cultural resources protection. All construction personnel shall be instructed to stop work in the vicinity of a potential discovery until a qualified, non-University Paleontologist assesses the significance of the find and implements appropriate measures to protect or scientifically remove the find. Construction personnel shall also be informed that unauthorized collection of paleontological resources is prohibited.</p> <p>MM 4.4-3(b) A qualified Paleontologist shall first determine whether a paleontological resource uncovered during construction meets the definition of a “unique archaeological resource” under Public Resources Code, Section 21083.2(g) or a “historical resource” under Section 15064.5 of the CEQA Guidelines. If the paleontological resource is determined to be a “unique archaeological resource” or a “historical resource”, the Paleontologist shall formulate a Mitigation Plan in consultation with the campus that satisfies the</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>requirements of Section 21083.2 of the CEQA Statutes.</p> <p>If the Paleontologist determines that the paleontological resource is not a unique resource, s/he may record the site and submit the recordation form to the Natural History Museum of Los Angeles County.</p> <p>The Paleontologist shall prepare a report of the results of any study prepared as part of a mitigation plan, following accepted professional practice. Copies of the report shall be submitted to the University and to the Natural History Museum of Los Angeles County.</p>	
Geology and Soils (Section 4.5)		
Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR		
PP 4.5-1(a)	<p>During project-specific building design, a site-specific geotechnical study shall be conducted under the direct supervision of a California Registered Engineering Geologist or licensed Geotechnical Engineer to assess detailed seismic, geological, soil, and groundwater conditions at each construction site and develop recommendations to prevent or abate any identified hazards in accordance with the requirements of the California Building Code applicable at the time of construction. Recommendations from the site-specific geotechnical study shall be included in the grading plans and/or building design specifications for each project. The study shall follow applicable recommendations of CGS Special Publication 117 and shall include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> • Determination of the locations of any suspected fault traces and anticipated ground acceleration at the building site; • Potential for displacement caused by seismically induced shaking, fault/ground surface rupture, liquefaction, differential soil settlement, expansive and compressible soils, landsliding, or other earth movements or soil constraints; • Evaluation of depth to groundwater. 	
PP 4.5-1(b)	The campus shall continue to implement its current seismic upgrade program.	
PP 4.5-1(c)	The campus shall continue to comply with the University Policy on Seismic Safety adopted on January 17, 1995 or with any subsequent revision to the policy that provides an equivalent or higher level of protection with respect to seismic hazards.	
PP 4.5-1(d)	Development projects under the LRDP Amendment shall continue to be subject to structural peer review; following this review, any site-specific geotechnical study recommendations, including any recommendations added as a result of the peer review, shall be incorporated in the project design, as appropriate.	
<p>Impact 4.5-1: Implementation of the proposed 2008 NHIP would not expose people and/or structures to potentially substantial adverse effects from rupture of a known earthquake fault, strong seismic ground shaking, seismic-related ground failure (i.e., liquefaction), or landsliding. (LS)</p>	<p>Applicable PPs: PP 4.5-1(a), PP 4.5-1(c), PP 4.5-1(d).</p> <p>New Mitigation Measure</p> <p>MM 4.5-1 Prior to approval of final building designs for the 2008 Northwest Housing Infill Project, a qualified Engineer shall review the final designs to verify that all geotechnical recommendations provided in the Geotechnical Engineering Investigation, Proposed UCLA Northwest Student Housing Infill Project (dated May 8, 2008 and prepared by Geotechnologies, Inc.) have been fully and appropriately incorporated.</p>	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>These recommendations shall include, but not be limited to, the following areas of concern:</p> <ul style="list-style-type: none"> • Grading Guidelines (removal of unsuitable soils, hillside grading, compaction). • Temporary Excavations (shoring, soldier piles and lagging, anchors, monitoring). • Seismic Design Considerations (2007 California Building Code Seismic Parameters). • Foundation Design (reinforcement, settlement, friction piles, retaining wall setbacks). • Retaining Wall Design (cantilever and restrained walls, waterproofing, drainage, backfill). • Slabs on Grade (concrete, waterproofing, reinforcement). • Pavements (moisture, thickness, weight management). • Site Drainage. • Construction Monitoring and Geotechnical Testing (geotechnical observation and laboratory testing of soils). 	
<p>Impact 4.5-2: Construction and operation of the proposed 2008 NHIP would not result in substantial soil erosion or the loss of topsoil. (LS)</p>	<p>Applicable PPs: PP 4.7-1.</p> <p>Although mitigation measures are not required, implementation of MM 4.7-1 from Section 4.7, Hydrology and Water Quality, would further reduce this impact.</p>	<p>Less than Significant</p>
<p>Impact 4.5-3: Construction in areas underlain by soils of varying stability would not subject people and structures to hazards associated with landsliding, lateral spreading, subsidence, liquefaction, collapse, or differential settlement. (LS)</p>	<p>Applicable PPs: PP 4.5-1(a) through 4.5-1(d).</p> <p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.5-4: Implementation of the proposed 2008 NHIP would not result in construction of facilities on expansive soils, and would not create a substantial risk to people and structures. (LS)</p>	<p>Applicable PPs: PP 4.5-1(a), PP 4.5-1(c), and PP 4.5-1(d).</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Hazards and Hazardous Materials (Section 4.6)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
<p>PP 4.6-1</p> <p>PP 4.6-4</p>	<p>The campus shall continue to implement the same (or equivalent) health and safety plans, programs, practices, and procedures related to the use, storage, disposal, or transportation of hazardous materials during the LRDP Amendment planning horizon, including, but not necessarily limited to, the Business Plan, Hazardous Materials Management Program, Hazard Communication Program, Injury and Illness Prevention Program, Chemical Exposure Monitoring Program, Asbestos Management Program, Respiratory Protection Program, EH&S procedures for decommissioning and demolishing buildings that may contain hazardous materials, and the Broadscope Radioactive Materials License. These programs may be subject to modification as more stringent standards are developed or if the programs become obsolete through replacement by other programs that incorporate similar health and safety protection measures.</p> <p>While not expected to occur on-campus, if contaminated soil and/or groundwater is encountered during the removal of on-site debris or during excavation and/or grading activities, the construction contractor(s) shall stop work and immediately inform the EH&S. An on-site assessment shall be conducted to determine if the discovered materials pose a significant risk to the public or construction workers. If the materials are determined to pose such a risk, a remediation plan shall be prepared and submitted to the EH&S to comply with all federal and State regulations necessary to clean and/or remove the contaminated soil and/or groundwater. Soil remediation methods could include, but are not necessarily limited to, excavation and on-site treatment, excavation and off-site treatment or disposal, and/or treatment without excavation. Remediation alternatives for cleanup of contaminated groundwater could include, but are not necessarily limited to, on-site treatment, extraction and off-site treatment, and/or disposal. The construction schedule shall be modified or delayed to ensure that construction will not inhibit remediation activities and will not expose the public or construction workers to significant risks associated with hazardous conditions.</p>	
<p>Impact 4.6-1: Implementation of the proposed 2008 NHIP would not expose campus occupants or the nearby public to a significant hazard due to the routine transport, use, disposal, or storage of hazardous materials (including chemical, radioactive, and biohazardous waste). (LS)</p>	<p>Applicable PPs: PP 4.6-1.</p> <p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.6-2: Implementation of the proposed 2008 NHIP would not expose construction workers and campus occupants to a significant hazard through the renovation or demolition of buildings or relocation of underground utilities that contain hazardous materials. (LS)</p>	<p>Applicable PPs: PP 4.6-1.</p> <p>Mitigation measures are not required.</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.6-3: Implementation of the proposed 2008 NHIP would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. (LS)	Applicable PPs: PP 4.6-1. Mitigation measures are not required.	Less than Significant
Impact 4.6-4: Implementation of the proposed 2008 NHIP would not create a significant risk of exposure of campus occupants and construction workers to contaminated soil or groundwater. (LS)	Applicable PPs: PP 4.6-1, PP 4.6-4. Mitigation measures are not required.	Less than Significant
Impact 4.6-5: Implementation of the proposed 2008 NHIP would not result in hazardous emissions, but could require the handling of hazardous or acutely hazardous materials, substances, or waste within ¼ mile of an existing or proposed school. (LS)	Applicable PPs: PP 4.6-1. Mitigation measures are not required.	Less than Significant
Impact 4.6-6a: There are no known hazardous materials sites within the proposed 2008 NHIP project site. (NI)	Mitigation measures are not required.	No Impact
Impact 4.6-7: Implementation of the proposed 2008 NHIP would not result in a safety hazard for an increased number of people residing or working on campus due to its proximity to the UCLA Medical Center helipad. (LS)	Mitigation measures are not required.	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.6-8: Implementation of the proposed 2008 NHIP would not impair implementation of, or physically interfere with, an adopted emergency response or emergency evacuation plan. (LS)</p>	<p>Applicable PPs: PP 4.13-5 and PP 4.13-8 from Section 4.13, Transportation/Traffic. Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Hydrology and Water Quality (Section 4.7)</p>		
<p><i>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</i></p>		
<p>PP 4.7-5</p>	<p>Site-specific hydrologic evaluation shall be conducted for each proposed development project based on the project-specific grading plan and site design of each individual project. This evaluation shall include, but not be limited to: (1) an assessment of runoff quality, volume and flow rate from the proposed project site; (2) identification of project-specific BMPs (structural and non-structural) to reduce the runoff rate and volume to appropriate levels; and (3) identification of the need for new or upgraded storm drain infrastructure (on and off campus) to serve the project. Project design shall include measures to upgrade and expand campus storm drain capacity where necessary, as identified through the project-specific hydrologic evaluation. Design of future projects shall include measures to reduce runoff, including, but not limited to, the provision of permeable landscaped areas adjacent to structures to absorb runoff and the use of pervious or semi-pervious paving materials.</p>	
<p><i>New Campus Program, Practice, and Procedure</i></p>		
<p>PP 4.7-1</p>	<p>Construction and operation of projects on campus shall comply with requirements and water quality standards set forth within current NPDES Permit regulations (Phase I and Phase II) at the time of project approval. Pursuant to Phase I permit requirements, UCLA shall develop a Storm Water Pollution Prevention Plan (SWPPP) that incorporates Best Management Practices (BMPs) for reducing or eliminating construction-related and post-construction pollutants in site runoff.</p>	
<p>Impact 4.7-1: Implementation of the proposed 2008 NHIP would not violate existing water quality standards or waste discharge requirements. (LS)</p>	<p>Applicable PPs: PP 4.7-1.</p> <p><i>New Mitigation Measure</i></p> <p>MM 4.7-1</p> <p>Best Management Practices (BMPs) shall be implemented for individual development projects, to the extent required by State law, to ensure compliance is maintained with all applicable NPDES requirements at the time of project construction. UCLA shall utilize BMPs as appropriate and feasible to comply with and/or exceed the current requirements under the NPDES program. BMPs that may be implemented include, but are not limited to, the following:</p> <p>Non-Structural/Structural</p> <ul style="list-style-type: none"> • Landscape Maintenance • Catch Basin Stenciling and Clean-out • Efficient Irrigation Practices • Litter Control 	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<ul style="list-style-type: none"> • Fertilizer Management • Public Education • Efficient Irrigation • Permanent Vegetative Controls • Runoff – Minimizing Landscape Design <p>Treatment Control BMPs (to minimize storm water pollutants of concern for Ballona Creek - Sediment, Bacteria/Viruses, Toxicity, Trash, and Metals):</p> <ul style="list-style-type: none"> • Vegetated Swale(s) – An open, shallow channel with vegetation covering side slopes and the bottom. • Bioretention – A basin that functions as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes. • Turf Block – A grass area that has a structural component which allows it to be used in drive aisles and parking lots. • Drain Inserts – A manufactured filter placed in a drop inlet to remove sediment and debris. 	
<p>Impact 4.7-2: Implementation of the proposed 2008 NHIP would not substantially deplete groundwater supplies or interfere with groundwater recharge. (LS)</p>	<p>No mitigation measures are required.</p>	<p>Less than Significant</p>
<p>Impact 4.7-3: Implementation of the proposed 2008 NHIP would not substantially alter site drainage patterns and would not result in substantial erosion or siltation on or off site. (LS)</p>	<p>Applicable PPs: PP 4.7-1 and PP 4.7-5. Although impacts are less than significant, implementation of MM 4.7-1 would further reduce this impact.</p>	<p>Less than Significant</p>
<p>Impact 4.7-4a: Implementation of the proposed 2008 NHIP would not substantially alter site drainage patterns or substantially increase the rate or amount of surface runoff and would not result in flooding either on or off site. (LS)</p>	<p>Applicable PPs: PP 4.7-5. Although impacts are less than significant, implementation of MM 4.7-1 would further reduce this impact.</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.7-5: Implementation of the proposed 2008 NHIP would not result in runoff that exceeds the capacity of existing storm drain systems or provide substantial additional sources of polluted runoff. (LS)</p>	<p>Applicable PPs: PP 4.7-5. Although impacts are less than significant, implementation of MM 4.7-1 would further reduce this impact.</p>	<p>Less than Significant</p>
<p>Land Use and Planning (Section 4.8)</p>		
<p><i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i></p>		
<p>PP 4.8-1(a)</p>	<p>Development of the southern edge of the main campus shall be designed to enhance the campus interface with Westwood Village.</p>	
<p>PP 4.8-1(b)</p>	<p>The existing recreational fields in the Central zone of campus shall be maintained and will continue to provide a buffer between campus development and the residential uses north of Sunset Boulevard.</p>	
<p>PP 4.8-1(c)</p>	<p>Infill development of the campus shall be continued, which reduces vehicle miles traveled and energy consumption.</p>	
<p>PP 4.8-1(d)</p>	<p>New building projects shall be sited to ensure compatibility with existing uses and the height and massing of adjacent facilities.</p>	
<p>PP 4.8-1(e)</p>	<p>Facilities shall be sited and designed to enhance spatial development of the campus while maximizing use of limited land resources.</p>	
<p>Impact 4.8-1: Implementation of the proposed 2008 NHIP would not result in incompatibilities between campus development and adjacent land uses. (LS)</p>	<p>Applicable PPs: PP 4.8-1(d), PP 4.1-2(d) (from Section 4.1, Aesthetics). Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.8-2: Implementation of the proposed 2008 NHIP would not conflict with an applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Noise and Vibration (Section 4.9)</p>		
<p><i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i></p>		
<p>PP 4.9-1</p>	<p>The campus shall continue to evaluate ambient noise conditions when placing new student housing near regular sources of noise such as roadways, the on campus helistop, and stationary equipment and design the new buildings to ensure that interior noise levels would be less than 45 dBA CNEL.</p>	

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
PP 4.9-2	The campus shall continue to notify research facilities located near approved construction sites of the planned schedule of vibration causing activities so that the researchers can take necessary precautionary measures to avoid negative effects to their research.	
PP 4.9-6(a)	The campus shall continue to shield all new stationary sources of noise that would be located in close proximity to noise-sensitive buildings and uses.	
PP 4.9-6(b)	The campus shall continue to provide a landscaped buffer along the western, northern, and eastern edges of the main campus in order to maximize the distance between the roadways and new buildings and provide an acoustically soft environment. At a minimum, this environment can be provided by planting grass and other low landscaping.	
PP 4.9-7(a)	To the extent feasible, construction activities shall be limited to 7:00 A.M. to 9:00 P.M. Monday through Friday, 8:00 A.M. to 6:00 P.M. on Saturday, and no construction on Sunday and national holidays, as appropriate, in order to minimize disruption to area residences surrounding the campus and to on-campus uses that are sensitive to noise.	
PP 4.9-7(b)	The campus shall continue to require by contract specifications that construction equipment be required to be muffled or otherwise shielded. Contracts shall specify that engine-driven equipment be fitted with appropriate noise mufflers.	
PP 4.9-7(c)	The campus shall continue to require that stationary construction equipment material and vehicle staging be placed to direct noise away from sensitive receptors.	
PP 4.9-7(d)	The campus shall continue to conduct regular meetings with on-campus constituents to provide advance notice of construction activities in order to coordinate these activities with the academic calendar, scheduled events, and other situations, as needed.	
PP 4.9-8	The campus shall continue to conduct meetings, as needed, with off-campus constituents that are affected by campus construction to provide advance notice of construction activities and ensure that the mutual needs of the particular construction project and of those impacted by construction noise are met, to the extent feasible.	
Impact 4.9-1: Implementation of the proposed 2008 NHIP would not expose new on-campus student residential uses to noise levels in excess of the State's 45 dBA CNEL interior noise standard. (LS)	Applicable PPs: PP 4.9-1 and PP 4.9-7(a). Mitigation measures are not required.	Less than Significant
Impact 4.9-2: The proposed 2008 NHIP construction activities could generate and expose persons on campus, including residents, to excessive groundborne vibration levels. (PS)	Applicable PPs: PP 4.9-2, PP 4.9-7(a) and PP 4.9-7(d). No feasible mitigation measures are available.	Significant and unavoidable

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.9-3: Construction activities associated with the proposed 2008 NHIP would not generate and expose persons off campus to excessive groundborne vibration levels from heavy construction trucks. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.9-4: Operation (post-construction) of the proposed 2008 NHIP would not generate and expose persons on or off campus to excessive long-term groundborne vibration levels. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.9-5: Implementation of the proposed 2008 NHIP would not cause a substantial permanent on- or off-campus increase in ambient roadway noise levels in the project vicinity. (LS)	Applicable PPs: PP 4.13-1(c), PP 4.13-1(d) from Section 4.13, Transportation/Traffic. Mitigation measures are not required.	Less than Significant
Impact 4.9-6: Implementation of the proposed 2008 NHIP could add new stationary sources of noise, but would not cause a substantial permanent on- or off-campus increase in ambient noise levels. (LS)	Applicable PPs: PP 4.9-6(a), PP 4.9-6(b).	Less than Significant
Impact 4.9-7: Construction of the proposed 2008 NHIP would result in substantial temporary or periodic increases in ambient noise levels at on-campus locations. (PS)	Applicable PPs: PP 4.9-7(a), PP 4.9-7(b), PP 4.9-7(c), PP 4.9-7(d). No feasible mitigation measures are available.	Significant and Unavoidable
Impact 4.9-8: Construction activities associated with the proposed 2008 NHIP could result in substantial temporary or periodic increases in ambient noise levels at off-campus locations. (PS)	Applicable PPs: PP 4.9-7(a), PP 4.9-7(b), PP 4.9-7(c), PP 4.9-8. No feasible mitigation measures are available.	Significant and Unavoidable

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.9-9: Implementation of the proposed 2008 NHIP would not result in substantial temporary or periodic increases in ambient noise levels due to special events. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.9-10: Implementation of the proposed 2008 NHIP would not expose additional students, faculty, and visitors within the UCLA campus to excessive noise levels generated by helicopter operations. (LS)	Applicable PP: PP 4.9-1. Mitigation measures are not required.	Less than Significant
Population and Housing (Section 4.10)		
Impact 4.10-1: Implementation of the proposed 2008 NHIP would not result in substantial population growth, either directly or indirectly. (LS)	Mitigation measures are not required.	Less than Significant
Public Services (Section 4.11)		
<i>Fire Protection</i>		
Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR		
PP 4.11-1	Fire alarm connections to the University Police Command Center shall continue to be provided in all new and renovated buildings to provide immediate location information to the Los Angeles Fire Department to reduce response times in emergency situations.	

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.11-1: Implementation of the proposed 2008 NHIP could increase the demand for fire protection services, but would not require the construction of new or physically altered facilities to accommodate the increased demand to maintain acceptable response times and fire flows. (LS)</p>	<p>Applicable PPs: PP 4.11-1. Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p><i>Police Protection</i></p>		
<p><i>Campus Programs Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i></p>		
<p>PP 4.11-2(a)</p>	<p>Police staffing levels and equipment needs shall continue to be assessed on an ongoing basis as individual development projects are proposed and on an annual basis during the campus budgeting process to ensure that the appropriate service levels will be maintained to protect an increased campus population and an increased level of development.</p>	
<p>PP 4.11-2(b)</p>	<p>Annual meetings shall continue to be attended by the Director of UCLA Housing and the UCPD to evaluate the adequacy of police protection service for University-owned housing, assess institutional priorities and budgetary requirements, and identify and implement appropriate actions to ensure the continued adequacy of police protection services for resident students.</p>	
<p>Impact 4.11-2: Implementation of the proposed 2008 NHIP could increase the demand for police services, but would not require new or physically altered facilities to maintain acceptable service ratios for police protection services. (LS)</p>	<p>Applicable PPs: PP 4.11-2(a) and PP 4.2-11(b). Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p><i>Schools</i></p>		
<p>Impact 4.11-3: Implementation of the proposed 2008 NHIP would not require new or physically altered facilities to accommodate additional students in LAUSD schools. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Recreation (Section 4.12)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.12-1(a)	The campus shall continue to provide, operate, and maintain recreational facilities for students, faculty, and staff on campus.	
PP 4.12-1(b)	The campus shall continue to integrate landscaped open space (including plazas, courts, gardens, walkways, and recreational areas) with development to encourage use through placement and design.	
Impact 4.12-1: Implementation of the proposed 2008 NHIP would increase the campus population, but would not result in the increased use of parks and recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated. (LS)	Applicable PPs: PP 4.12-1(a), PP 4.12-1(b). Mitigation measures are not required.	Less than Significant
Impact 4.12-2: The 2008 NHIP would include a fitness center in the Sproul South residential structure. Impacts resulting from construction of this facility are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/Traffic.	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not Applicable
Transportation/Traffic (Section 4.13)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.13-1(a)	The campus shall continue to maintain the 1990 LRDP vehicle trip cap of 139,500 average daily trips.	
PP 4.13-1(b)	The campus shall continue to maintain the 1990 LRDP parking cap of 25,169 spaces.	
PP 4.13-1(c)	The campus shall continue to provide on-campus housing to continue the evolution of UCLA from a commuter to a residential campus.	
PP 4.13-1(d)	The campus shall continue to implement a TDM program that meets or exceeds all trip reduction and AVR requirements of the SCAQMD. The TDM program may be subject to modification as new technologies are developed or alternate program elements are found to be more effective.	
PP 4.13-2	UCLA Capital Programs will assess construction schedules of major projects to determine the potential for overlapping construction activities to result in periods of heavy construction vehicle traffic on individual roadway segments, and adjust construction schedules, work hours, or access routes to the extent feasible to reduce construction-related traffic congestion.	
PP 4.13-5	To the extent feasible, the campus shall maintain at least one unobstructed lane in both directions on campus roadways. At any time only a single lane is available, the campus shall provide a temporary traffic signal, signal carriers (i.e., flagpersons), or other appropriate traffic controls	

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>PP 4.13-6</p> <p>PP 4.13-8</p>	<p>to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the campus shall provide appropriate signage indicating alternative routes.</p> <p>For any construction-related closure of pedestrian routes, the campus shall provide appropriate signage indicating alternative route and provide curb cuts and street crossings to assure alternate routes are accessible.</p> <p>To ensure adequate access for emergency vehicles when construction projects would result in temporary lane or roadway closures, UCLA shall consult with the UCPD, EH&S, and the LAFD to disclose temporary lane or roadway closures and alternative travel routes.</p>	
<p>Impact 4.13-1a: Implementation of the proposed 2008 NHIP would not generate additional vehicular trips and would not result in a substantial degradation in intersection or freeway mainline levels of service. (NI)</p>	<p>Applicable PPs: PP 4.13-1(c), PP 4.13-1(d).</p>	<p>No Impact</p>
<p>Impact 4.13-2: Construction of the proposed 2008 NHIP would result in the generation of construction-related vehicle trips, which could impact traffic conditions along roadway segments and at individual intersections. (PS)</p>	<p>Applicable PPs: PP 4.13-2.</p> <p>No feasible mitigation measures are available.</p>	<p>Significant and Unavoidable</p>
<p>Impact 4.13-3a: Implementation of the proposed 2008 NHIP would not result in additional vehicular traffic volumes, and would not exceed established service levels on roadways designated by the Los Angeles Congestion Management Program. (NI)</p>	<p>Applicable PPs: PP 4.13-1(a), PP 4.13-1(b), PP 4.13-1(c), PP 4.13-1(d).</p>	<p>No Impact</p>
<p>Impact 4.13-4: Implementation of the proposed 2008 NHIP would not substantially increase vehicular hazards due to design features or incompatible uses during operation (long-term). (LS)</p>	<p>No mitigation measures are required.</p>	<p>Less than Significant</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.13-5: Construction of the proposed 2008 NHIP would not substantially increase vehicular hazards due to closure of traffic lanes or roadway segments. (LS)	Applicable PPs: PP 4.13-5. No mitigation measures are required.	Less than Significant
Impact 4.13-6: Construction of the proposed 2008 NHIP would not substantially increase pedestrian hazards due to closure of sidewalks or paths. (LS)	Applicable PPs: PP 4.13-6. No mitigation measures are required.	Less than Significant
Impact 4.13-7: Operation of the proposed 2008 NHIP would not result in inadequate emergency access. (LS)	No mitigation measures are required.	Less than Significant
Impact 4.13-8: Construction of the proposed 2008 NHIP would not result in inadequate emergency access. (LS)	Applicable PPs: PP 4.13-8.	Less than Significant
Impact 4.13-9: Implementation of the proposed 2008 NHIP would not result in inadequate parking capacity on campus. (LS)	No mitigation measures are required.	Less than Significant
Impact 4.13-10: Implementation of the proposed 2008 NHIP would not result in inadequate parking capacity off campus. (LS)	No mitigation measures are required.	Less than significant
Impact 4.13-11: Construction of the 2008 NHIP could result in the temporary elimination of on-campus parking spaces and would require additional temporary parking for construction workers. (PS)	2002 LRDP Final EIR Mitigation Measure Carried Forward MM 4.13-11 To the extent that construction worker parking demand exceeds historical levels or available supply, off-site construction worker parking shall be provided with shuttle service to the remote parking location.	Less than Significant
Impact 4.13-12: Implementation of the proposed 2008 NHIP would not conflict with adopted policies, plans, or programs supporting alternative transportation. (LS)	Applicable PPs: PP 4.13-1(c), PP 4.13-1(d). No mitigation measures are required.	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Utilities and Service Systems (Section 4.14)		
<i>Water Supply</i>		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.14-2(a)	New facilities and renovations (except for patient care facilities in the Medical Center) shall be equipped with low-flow showers, toilets, and urinals.	
PP 4.14-2(b)	Measures to reduce landscaping irrigation needs shall be used, such as automatic timing systems to apply irrigation water during times of the day when evaporation rates are low, installing drip irrigation systems, using mulch for landscaping, subscribing to the California Irrigation Management Information System Network for current information on weather and evaporation rates, and incorporating drought-resistant plants as appropriate.	
PP 4.14-2(c)	The campus shall promptly detect and repair leaks in water and irrigation pipes.	
PP 4.14-2(d)	The campus shall minimize the use of water to clean sidewalks, walkways, driveways and parking areas.	
PP 4.14-2(e)	The campus shall avoid serving water at UCLA food service facilities except upon request.	
PP 4.14-2(f)	The campus shall provide ongoing water treatment programs for campus cooling equipment by adding biodegradable chemicals to achieve reductions in water usage.	
PP 4.14-2(g)	The campus shall educate the campus community on the importance of water conservation measures.	
Impact 4.14-1: Implementation of the proposed 2008 NHIP would not require the construction of new water facilities. Potential impacts from construction are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/Traffic.	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not applicable
Impact 4.14-2: Implementation of the proposed 2008 NHIP would generate an additional demand for water, but would not require water supplies in excess of existing entitlements and resources or result in the need for new or expanded entitlements. (LS)	Applicable PPs: 4.14-2(a) through 4.14-2(g), and PP 4.15-1 in Section 4.15, Climate Change. No mitigation measures are required.	Less than Significant

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<i>Solid Waste</i>		
<i>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.14-3 The campus shall continue to implement a solid waste reduction and recycling program designed to limit the total quantity of campus solid waste that is disposed of in landfills during the LRDP plan horizon.		
Impact 4.14-3: Implementation of the proposed 2008 NHIP would not generate solid waste that exceeds the permitted capacity of landfills serving the campus. (LS)	Applicable PPs: PP 4.14-3, and PP 4.15-1 (Section 4.15, Climate Change). No mitigation measures are required.	Less than Significant
Impact 4.14-4: Implementation of the proposed 2008 NHIP would comply with all applicable federal, State, and local statutes and regulations related to solid waste. (NI)	Applicable PPs: PP 4.14-3, and PP 4.15-1(Section 4.15, Climate Change). No mitigation measures are required.	No Impact
<i>Wastewater</i>		
<i>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</i>		
The following PP has already been completed for the 2008 NHIP:		
PP 4.14-5 As part of the design process for proposed projects, an evaluation of the on-campus sewer conveyance capacity shall be undertaken, and improvements provided if necessary in order to ensure that connections are adequate and capacity is available to accommodate estimated flows.		
Impact 4.14-5: Implementation of the proposed 2008 NHIP would increase the amount of wastewater generated on campus, but would not require the construction of new or expanded wastewater conveyance systems beyond lines to connect to existing facilities. Potential impacts from construction are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/Traffic.	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not applicable

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.14-6: Implementation of the proposed 2008 NHIP would not increase wastewater generation such that treatment facilities would be inadequate to serve the project's projected demand in addition to the provider's existing commitments. (LS)</p>	<p>No mitigation measures are required.</p>	<p>Less than Significant</p>
<p><i>Energy</i></p>		
<p>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</p>		
<p>PP 4.14-9 The campus shall continue to implement energy conservation measures (such as energy-efficient lighting and microprocessor-controlled HVAC equipment) to reduce the demand for electricity and natural gas. The energy conservation measures may be subject to modification as new technologies are developed or if current technologies become obsolete through replacement.</p>		
<p>Impact 4.14-7: Implementation of the proposed 2008 NHIP would increase the demand for electricity, but would not require the construction of new or expanded electric facilities beyond lines to connect to existing facilities. Potential impacts from construction are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/Traffic.</p>	<p>Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.</p>	<p>Not applicable</p>
<p>Impact 4.14-8: Implementation of the proposed Project could increase the demand for natural gas but would not require the construction of new or expanded natural gas facilities beyond lines to connect to existing facilities. Potential impacts from construction are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/ Traffic.</p>	<p>Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.</p>	<p>Not applicable</p>

**TABLE 1-1 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED 2008 NORTHWEST HOUSING INFILL PROJECT**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.14-9: Implementation of the proposed 2008 NHIP would not result in the wasteful or inefficient use of energy by UCLA. (LS)	Applicable PPs: PP 4.14-10, and PP 4.15-1 in Section 4.15, Climate Change.	Less than Significant
Climate Change (Section 4.15)		
<i>New Campus Program, Practice, and Procedure</i>		
PP 4.15-1 The campus shall continue to implement provisions of the UC Policy on Sustainability Practices including, but not limited to: Green Building Design; Clean Energy Standards; Climate Protection Practices; Sustainable Transportation Practices; Sustainable Operations; Recycling and Waste Management; and Environmentally Preferable Purchasing Practices; and provisions of the applicable UCLA Climate Action Plan.		
Impact 4.15-1: Implementation of the proposed 2008 NHIP would not impede or conflict with the emissions reduction targets and strategies prescribed in or developed to implement AB 32. (LS)	Applicable PPs: PP 4.15-1. No mitigation measures are required.	Less than Significant
^a NI: No Impact; LS: Less than Significant Impact; PS: Potentially Significant Impact		

**TABLE 1-2
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

In this summary table, 2002 Final EIR LRDP campus Programs, Practices and Procedures (PPs) or Mitigation Measures (MMs) that were modified or new as part of the 2008 NHIP and LRDP Amendment Draft EIR are shown in **bold** text, deleted text is shown in ~~strikeout~~. Clarifications and revisions made to PPs and MMs as part of the 2008 NHIP and LRDP Amendment Final EIR are identified with a line in the right margin.

In addition, under the *Summary of Impacts Prior to Mitigation* column, the level of significance is identified with the following abbreviations: **NI**: No Impact; **LS**: Less than Significant Impact; **PS**: Potentially Significant Impact

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Aesthetics (Section 4.1)		
<i>Campus Programs, Practices and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.1-1(a)	The design process shall evaluate and incorporate, where appropriate, factors including, but not necessarily limited to, building mass and form, building proportion, roof profile, architectural detail and fenestration, the texture, color, and quality of building materials, focal views, pedestrian and vehicular circulation and access, and the landscape setting to ensure preservation and enhancement of the visual character and quality of the campus and the surrounding area. Landscaped open space (including plazas, courts, gardens, walkways, and recreational areas) shall be integrated with development to encourage use through placement and design.	
PP 4.1-1(b)	The Mildred E. Mathias Botanical Garden, Franklin D. Murphy Sculpture Garden, Dickson Plaza, Janss Steps, Stone Canyon Creek area, Meyerhoff Park, Wilson Plaza, Bruin Plaza, and the University Residence shall be maintained as open space preserves during the 2002 LRDP planning horizon.	
PP 4.1-2(a)	Additions to, or expansions of, existing structures shall be designed to complement the existing architectural character of the buildings.	
PP 4.1-2(b)	The architectural and landscape traditions that give the campus its unique character shall be respected and reinforced.	
PP 4.1-2(c)	Projects proposed under 2002 LRDP shall include landscaping.	
PP 4.1-2(d)	The western, northern, and eastern edges of the main campus shall include a landscaped buffer to complement the residential uses of the surrounding community and to provide an attractive perimeter that effectively screens and enhances future development.	
Impact 4.1-1b: Implementation of the proposed Project would not have a substantial adverse effect on scenic vistas (focal views). (LS)	Applicable PPs: PP 4.1-1(a), PP 4.1-1(b), PP 4.4-1(b) (from Section 4.4, Cultural Resources), and PP 4.8-1(d) (from Section 4.8, Land Use and Planning). Mitigation measures are not required.	Less than Significant
Impact 4.1-2: Implementation of the proposed Project would not substantially degrade the visual character or quality of the campus and the immediately surrounding area. (LS)	Applicable PPs: PP 4.1-1(a), PP 4.1-1(b), PPs 4.1-2(a) through PP 4.1-2(d), PP 4.8-1(d) (from Section 4.8, Land Use and Planning). Although mitigation measures are not required, implementation of MM 4.3-1(c) from Section 4.3, Biological Resources, would further reduce this impact.	Less than Significant

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.1-3: Implementation of the proposed Project could create a new source of light or glare on campus or in the vicinity that would adversely affect day or nighttime views in the area. (PS)</p> <p>Implementation of the proposed Project would have less than significant impacts related to the introduction of new light sources. (LS)</p>	<p>Applicable PPs: PP 4.1-2(d).</p> <p>2002 LRDP Final EIR Mitigation Measures Carried Forward</p> <p>MM 4.1-3(a) Design for specific projects shall provide for the use of textured non-reflective exterior surfaces and non-reflective glass.</p> <p>MM 4.1-3(b) All outdoor lighting shall be directed to the specific location intended for illumination (e.g., roads, walkways, or recreation fields) to limit stray light spillover onto adjacent residential areas. In addition, all lighting shall be shielded to minimize the production of glare and light spill onto adjacent uses.</p> <p>MM 4.1-3(c) Ingress and egress from parking areas shall be designed and situated so the vehicle headlights are shielded from adjacent uses. If necessary, walls or other light barriers will be provided.</p>	<p>Less than Significant</p>
<p>Air Quality (Section 4.2)</p>		
<p>Campus Programs, Practices and Procedures Carried Forward from the 2002 LRDP Final EIR</p>		
<p>PP 4.2-2(a)</p>	<p>The campus shall continue to implement dust control measures consistent with SCAQMD Rule 403—Fugitive Dust during the construction phases of new project development. The following actions are currently recommended to implement Rule 403 and have been quantified by the SCAQMD in the URBEMIS program as being able to reduce dust generation between 30 and 85 5 and 84 percent depending on the source of the dust generation measure or combination of measures used from the list below:</p> <ul style="list-style-type: none"> • Minimize land disturbance to the extent feasible. • Apply water and/or approved nontoxic chemical soil stabilizers according to manufacturer's specification to all inactive construction areas (previously graded areas that have been inactive for 10 or more days) • Apply water three times daily to all active disturbed areas. • Replace ground cover in disturbed areas as quickly as possible. • Enclose, cover, water twice daily, or apply approved chemical soil binders to exposed piles with 5 percent or greater silt content. • Water active grading sites at least twice daily. • Suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 miles per hour over a 30-minute period. • All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least two feet of freeboard (i.e., minimum vertical distance between top of the load and the top of the trailer), in accordance with Section 23114 of the California Vehicle Code. • Sweep streets at the end of the day if visible soil material is carried over to adjacent roads. • Install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip. 	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>PP 4.2-2(b) • Apply water three times daily or chemical soil stabilizers according to manufacturers' specifications to all unpaved parking or staging areas or unpaved road surfaces.</p> <p>PP 4.2-2(c) • Post and enforce traffic speed limits of 15 miles per hour or less on all unpaved roads.</p> <p>The campus shall continue to require by contract specifications that construction equipment engines will be maintained in good condition and in proper tune per manufacturer's specification for the duration of construction.</p> <p>The campus shall continue to require by contract specifications that construction operations rely on the campus' existing electricity infrastructure rather than electrical generators powered by internal combustion engines to the extent feasible.</p> <p><i>New Campus Program, Practice and Procedure</i></p> <p>PP 4.2-2(d) The campus shall purchase and apply architectural coatings in accordance with SCAQMD Rule 1113, thereby ensuring the limitation of VOCs during construction.</p>		
<p>Impact 4.2-1: Implementation of the proposed Project would not conflict with or obstruct implementation of the Air Quality Management Plan. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.2-2: Regional construction emissions from the proposed Project would exceed SCAQMD standards for NOx. These exceedances could contribute substantially to an existing or projected air quality violation. (PS)</p>	<p>Applicable PPs: PP 4.2-2(a), PP 4.2-2(b), PP 4.2-2(c), PP 4.2-2(d).</p> <p><i>2002 LRDP Final EIR Mitigation Measures Carried Forward</i></p> <p>MM 4.2-2(a) The campus shall require by contract specifications that construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than five minutes.</p> <p>MM 4.2-2(b) The campus shall encourage contractors to utilize alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) and low-emission diesel construction equipment low-NOx fuel to the extent that the equipment is readily reasonably commercially available and cost effective.</p> <p><i>New Mitigation Measure</i></p> <p>MM 4.2-2(c) The campus shall require by contract specifications that all construction-related equipment used on site and for on-road export of soil meet USEPA Tier III certification requirements, as feasible.</p>	<p>Significant and Unavoidable</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.2-3b: Implementation of the proposed Project would result in daily operational emissions of VOC and NOx that could contribute substantially to an existing or projected air quality violation. (PS)	Applicable PPs: PPs 4.13-1(a) through 4.13-1(d) (from Section 4.13, Transportation/Traffic). No feasible mitigation measures are available.	Significant and Unavoidable
Impact 4.2-4c Construction and operation of the proposed Project would result in a cumulatively considerable net increase of a criteria pollutant for which the project region is in nonattainment under an applicable federal or State ambient air quality standard. (PS)	Applicable PPs: PP 4.2-2(a), PP 4.2-2(b), PP 4.2-2(c), PP 4.2-2(d), MM 4.2-2(a), MM 4.2-2(b), and MM 4.2-2(c). No additional feasible mitigation measures are available beyond those identified.	Significant and Unavoidable
Impact 4.2-5b: Implementation of the proposed Project would not expose sensitive receptors near roadway intersections to substantial pollutant concentrations due to carbon monoxide hotspots. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.2-6 Implementation of the proposed Project would not expose sensitive receptors to substantial criteria pollutant concentrations from emissions generated on the project site. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.2-7 Implementation of the proposed Project would not expose sensitive receptors on or off campus to substantial pollutant concentrations due to campus-generated toxic air emissions. (LS)	Mitigation measures are not required.	Less than Significant

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Biological Resources (Section 4.3)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.3-1(a)	Mature trees to be retained and protected in place during construction, shall be fenced at the drip-line, and maintained by the contractor in accordance with landscape specifications contained in the construction contract.	
PP 4.3-1(b)	Trees shall be examined by an arborist and trimmed, if appropriate, prior to the start of construction.	
PP 4.3-1(c)	Construction contract specifications shall include the provision for temporary irrigation/watering and feeding of these trees during construction, as recommended by the designated arborist.	
PP 4.3-1(d)	Construction contract specifications shall require that no building material, parked equipment, or vehicles shall be stored within the fence line of any tree.	
PP 4.3-1(e)	Examination of these trees by an arborist shall be performed monthly during construction to ensure that they are being adequately maintained.	
<p>Impact 4.3-1: Implementation of the proposed Project could have a substantial adverse effect on nesting birds, including nesting raptors, which are protected by federal and State regulations, if trees are removed during the breeding season. (PS)</p>	<p>Applicable PPs: PP 4.3-1(a), PP 4.3-1(b), PP 4.3-1(c), PP 4.3-1(d), PP 4.3-1(e).</p> <p><i>2002 LRDP Final EIR Mitigation Measures Carried Forward (as amended)</i></p> <p>MM 4.3-1(a) Prior to the onset of construction activities that occur between March and mid-August (February 1 through June 30 for raptors), surveys for nesting special status avian species and raptors shall be conducted on the affected portion of the campus following USFWS and/or CDFG guidelines. If no active avian nests are identified on or within 250 feet of the construction site, no further mitigation is necessary.</p> <p>MM 4.3-1(b) If active nests for avian species of concern or raptor nests are found within the construction footprint or within a 250-foot buffer zone around the construction site, exterior construction activities shall be delayed within the construction footprint and buffer zone until the young have fledged or appropriate mitigation measures responding to the specific situation have been developed and implemented in consultation with CDFG.</p> <p>MM 4.3-1(c) In conjunction with CEQA documentation required for each project proposal under the 2002 LRDP, as amended, that would result in the removal of one or more mature trees, the project will include a tree replacement plan with a 1:1 tree replacement ratio at the development site where feasible and/or elsewhere within the campus boundaries where feasible. If it is not feasible to plant replacement trees at a 1:1 ratio within the campus boundaries, the tree replacement plan will include the planting of native shrubs in ecologically appropriate areas within the campus boundaries that would provide nesting, foraging or roosting habitat for birds so that the replacement number of trees and shrubs will result in a 1:1 replacement ratio.</p>	Less than Significant

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.3-2b: Implementation of future projects that would impact the 4-acre parcel or Stone Canyon Creek could have a substantial adverse effect on special status plant species. Additionally, implementation of a future project that would impact the 4-acre parcel could have a substantial adverse effect on the coastal California gnatcatcher and other special status wildlife species that occur in coastal sage scrub. (PS)</p>	<p>New Mitigation Measures</p> <p>MM 4.3-2(a) In conjunction with CEQA documentation required for any future project proposal within the 4-acre parcel or <u>the aboveground portion of Stone Canyon Creek</u>, surveys for special status plant species shall be conducted during the appropriate blooming period for each species, as determined by reference populations, to determine the presence or absence of these species. If no special status plant species are identified within the impact area, no further mitigation are necessary and the results of the survey shall be included in the CEQA documentation.</p> <p>MM 4.3-2(b) If special status plant species are observed during focused surveys and if the status of the species and the size of the population warrant a finding of significance pursuant to CEQA, then appropriate mitigation measures shall be developed and included in the project-specific CEQA documentation. A detailed Mitigation Plan shall be prepared and approved prior to grading and may include, but not be limited to, one or more of the following actions:</p> <ul style="list-style-type: none"> • Avoiding impacts to the species to the extent possible through project planning; • Minimizing impacts to the species to the extent possible through project planning; • Rectifying the impact by repairing, rehabilitating, or restoring the impacted environment; • Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the project; • Compensating for the impact by replacing or providing substitute resources or environments. <p>As appropriate, the Mitigation Plan may include, but not be limited to:</p> <ul style="list-style-type: none"> • Details for a salvage program; • Replacement ratios; • Performance criteria for the relocated population; • Site-selection parameters to ensure there are no secondary impacts from mitigation; • Program implementation methods within one year of grading; • Methods to maintain the site for 5 years; • Long-term preservation in dedicated open space. 	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>MM 4.3-2(c) In conjunction with CEQA documentation required for any future project proposal within the 4-acre parcel, focused surveys for the coastal California gnatcatcher and other special status wildlife species that could occur in coastal sage scrub shall be conducted. Surveys shall follow the USFWS protocol to determine the presence or absence of this species. If no coastal California gnatcatchers are identified in the impact area, no further mitigation are necessary and the results of the survey shall be included in the CEQA documentation</p> <p>MM 4.3-2(d) In conjunction with CEQA documentation required for any future project proposal within the 4-acre parcel, a Coastal Sage Scrub Mitigation Plan shall be prepared and approved by the USFWS prior to grading. In addition, grading of coastal sage scrub shall not occur during the coastal California gnatcatcher nesting season (February 15 to August 15). The Mitigation Plan may include, but not be limited to, one or more of the following actions:</p> <ul style="list-style-type: none"> • Avoiding impacts to coastal sage scrub to the extent possible through project planning; • Minimizing impacts to coastal sage scrub to the extent possible through project planning; • Rectifying the impact by repairing, rehabilitating, or restoring the impacted environment; • Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the project; • Compensating for the impact by replacing or providing substitute resources or environments. <p>As appropriate, the Mitigation Plan may include, but not be limited to:</p> <ul style="list-style-type: none"> • Replacement ratios; • Performance criteria; • Site-selection parameters to ensure there are no secondary impacts from mitigation; • Program implementation methods within one year of grading; • Methods to maintain the site for 5 years; • Long-term preservation in dedicated open space. <p>MM 4.3-2(e) If coastal California gnatcatcher or other special status species is observed within or immediately adjacent to the impact footprint during focused surveys, construction will not proceed until authorization is</p>	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	granted by the U.S. Fish and Wildlife Service via a Section 7 Permit or a 10a Permit. All conditions of such permits will be complied with in order to avoid or minimize impacts on the coastal California gnatcatcher.	
Impact 4.3-3: Implementation of the proposed Project would not have a substantial adverse effect on the movement of any native resident or migratory fish or wildlife species, established wildlife corridors, or native wildlife nursery sites. (NI)	Mitigation measures are not required.	No Impact
Impact 4.3-4: Implementation of the proposed Project could impact mature and protected tree species. (PS)	<p>Applicable PPs/MMs: PP 4.3-1(a), PP 4.3-1(b), PP 4.3-1(c), PP 4.3-1(d), PP 4.3-1(e), MM 4.3-1(c).</p> <p>New Mitigation Measure</p> <p>MM 4.3-4 UCLA shall replace protected trees removed for construction of projects under the 2002 LRDP, as amended, <u>with protected trees of the same species</u> at a 2:1 ratio as presented in the City of Los Angeles Protected Tree Ordinance (Ordinance Number 177404). Protected trees are defined as coast live oak, valley oak, western sycamore, Southern California black walnut, and California bay laurel.</p>	Less than Significant
Impact 4.3-5a: Implementation of the proposed Project (but not the 2008 NHIP), may impact the area along Stone Canyon Creek or coastal sage scrub within the 4-acre parcel. (PS)	<p>Applicable MMs: MM 4.3-2(a) through MM 4.3-2(e).</p> <p>New Mitigation Measures</p> <p>MM 4.3-5(a) In conjunction with CEQA documentation required for any future project proposal in proximity to Stone Canyon Creek, a jurisdictional delineation shall be conducted to describe and map the extent of resources under the jurisdiction of the USACE and/or the CDFG following the guidelines presented in the Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2006). The results of the delineation shall be included in the CEQA documentation.</p> <p>MM 4.3-5(b) Prior to any direct or indirect impacts to jurisdictional areas within Stone Canyon Creek, permits/agreements from the USACE, the RWQCB, and/or the CDFG shall be required. Acquisition and implementation of the permit/agreement may constrain proposed activities; impacts on jurisdictional resources should be minimized to the extent practicable. Mitigation for impacts on jurisdictional</p>	Less than Significant

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	resources may include avoidance or minimization of impacts, compensation in the form of habitat restoration, or compensation through participation in a mitigation bank. The exact requirements of any special permit conditions established for impacts on the creek would be determined by the USACE (Section 404) and/or the CDFG (Streambed Alteration Agreement) following review of the formally submitted project application after completion of the CEQA process.	
Cultural Resources (Section 4.4)		
<i>New Campus Programs, Practices, and Procedures</i>		
PP 4.4-1(a)	<p><u>Structures outside the campus Historic Core that appear to have historic significance, or are over 45 years old, that may be directly or indirectly impacted by a proposed development project shall be reviewed by the campus and a qualified architectural historian or historic architect for eligibility for listing on the California Register of Historical Resources. If a structure is identified as eligible for listing in the California Register of Historical Resources, and it is determined that the project could have a significant adverse impact on the structure, the campus and a qualified historic architect shall consider design modifications, mitigation measures and/or alternatives that could minimize, avoid or substantially reduce the impacts, and consider whether and to what extent the project could comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings (Weeks and Grimmer 1995).</u> Structures over 45 years old that have not yet been evaluated for potential historic significance and may be directly or indirectly impacted by a proposed development project shall be evaluated for eligibility for listing on the California Register of Historic Resources. The campus shall continue to implement all modifications to historic structures in compliance with the Secretary of the Interior's Standards for Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings (Weeks and Grimmer 1995).</p>	
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.4-1(b)	<p>The integrity of the Campus Historic Core shall be maintained. <u>Structures over 45 years old within the Campus Historic Core that have not yet been evaluated for potential historic significance and may be directly or indirectly impacted by a proposed development project shall be reviewed by the campus and a qualified architectural historian or historic architect for eligibility for listing in the California Register of Historical Resources. The campus shall continue to implement all modifications to historic structures within the Historic Core in compliance with the Secretary of the Interior's Standards for Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings (Weeks and Grimmer 1995).</u></p>	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.4.1b: Implementation of the proposed Project would not result in a substantial adverse change in the significance of structures that have been designated as eligible or potentially eligible for listing on the NRHP or CRHR. (LS)</p>	<p>Applicable PPs: PP 4.4-1(a), PP 4.4-1(b). No mitigation measures are required.</p>	<p>Less than Significant</p>
<p>Impact 4.4-2: Construction associated with the proposed Project may cause a substantial adverse change in the significance of an archaeological resource. (PS)</p>	<p>2002 LRDP Final EIR Mitigation Measures Carried Forward</p> <p>MM 4.4-2(a) Prior to site preparation or grading activities, construction personnel shall be informed of the potential for encountering unique archaeological resources and taught how to identify these resources if encountered. This shall include the provision of written materials to familiarize personnel with the range of resources that might be expected, the type of activities that may result in impacts, and the legal framework of cultural resources protection. All construction personnel shall be instructed to stop work in the vicinity of a potential discovery until a qualified, non-University archaeologist assesses the significance of the find and implements appropriate measures to protect or scientifically remove the find. Construction personnel shall also be informed that unauthorized collection of archaeological resources is prohibited.</p> <p>MM 4.4-2(b) Should archaeological resources be found during ground-disturbing activities for any project, a qualified Archaeologist shall first determine whether an archaeological resource uncovered during construction is a "unique archaeological resource" pursuant to Section 21083.2(g) of the Public Resources Code or a "historical resource" pursuant to Section 15064.5(a) of the CEQA Guidelines. If the archaeological resource is determined to be a "unique archaeological resource" or a "historical resource," the Archaeologist shall formulate a mitigation plan in consultation with the campus that satisfies the requirements of Section 21083.2 and 15064.5.</p> <p>If the Archaeologist determines that the archaeological resource is not a "unique archaeological resource" or "historical resource," s/he may record the site and submit the recordation form to the California Historic Resources Information System at the South Central Coastal Information Center.</p> <p>The Archaeologist shall prepare a report of the results of any study prepared as part of a mitigation plan, following accepted professional practice. Copies of the report shall be submitted to the University and to the California Historic</p>	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>Resources Information System at the South Central Coastal Information Center.</p> <p>New Mitigation Measure</p> <p>MM 4.4-2(c) Prior to initiation of construction activities for projects that require disturbance of native sediments/soils (<u>as identified through site-specific geotechnical analysis</u>), the campus shall retain a qualified non-University Archaeologist to observe grading activities and recover, catalogue, analyze, and report archaeological resources as necessary. The qualified Archaeologist shall submit to the Capital Programs University Representative, a written plan with procedures for archaeological resource monitoring. This plan shall include procedures for temporarily halting or redirecting work to permit the sampling, identification, and evaluation of the resources as appropriate.</p>	
<p>Impact 4.4-3: Construction of the proposed Project could directly or indirectly result in damage to, or the destruction of, unique paleontological resources on site or unique geologic features. (PS)</p>	<p>2002 LRDP Final EIR Mitigation Measures Carried Forward</p> <p>MM 4.4-3(a) Prior to site preparation or grading activities, construction personnel shall be informed of the potential for encountering paleontological resources and taught how to identify these resources if encountered. This shall include the provision of written materials to familiarize personnel with the range of resources that might be expected; the type of activities that may result in impacts; and the legal framework of cultural resources protection. All construction personnel shall be instructed to stop work in the vicinity of a potential discovery until a qualified, non-University Paleontologist assesses the significance of the find and implements appropriate measures to protect or scientifically remove the find. Construction personnel shall also be informed that unauthorized collection of paleontological resources is prohibited.</p> <p>MM 4.4-3(b) A qualified Paleontologist shall first determine whether a paleontological resource uncovered during construction meets the definition of a “unique archaeological resource” under Public Resources Code, Section 21083.2(g) or a “historical resource” under Section 15064.5 of the CEQA Guidelines. If the paleontological resource is determined to be a “unique archaeological resource” or a “historical resource”, the Paleontologist shall formulate a Mitigation Plan in consultation with the campus that satisfies the requirements of Section 21083.2 of the CEQA Statutes.</p> <p>If the Paleontologist determines that the paleontological resource is not a unique resource, s/he may record the site and submit the recordation form to</p>	<p>Less than Significant</p>

TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>the Natural History Museum of Los Angeles County.</p> <p>The Paleontologist shall prepare a report of the results of any study prepared as part of a mitigation plan, following accepted professional practice. Copies of the report shall be submitted to the University and to the Natural History Museum of Los Angeles County.</p>	
Geology and Soils (Section 4.5)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
<p>PP 4.5-1(a)</p>	<p>During project-specific building design, a site-specific geotechnical study shall be conducted under the direct supervision of a California Registered Engineering Geologist or licensed Geotechnical Engineer to assess detailed seismic, geological, soil, and groundwater conditions at each construction site and develop recommendations to prevent or abate any identified hazards in accordance with the requirements of the California Building Code applicable at the time of construction. Recommendations from the site-specific geotechnical study shall be included in the grading plans and/or building design specifications for each project. The study shall follow applicable recommendations of CGS Special Publication 117 and shall include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> • Determination of the locations of any suspected fault traces and anticipated ground acceleration at the building site; • Potential for displacement caused by seismically induced shaking, fault/ground surface rupture, liquefaction, differential soil settlement, expansive and compressible soils, landsliding, or other earth movements or soil constraints; • Evaluation of depth to groundwater. 	
PP 4.5-1(b)	The campus shall continue to implement its current seismic upgrade program.	
PP 4.5-1(c)	The campus shall continue to comply with the University Policy on Seismic Safety adopted on January 17, 1995 or with any subsequent revision to the policy that provides an equivalent or higher level of protection with respect to seismic hazards.	
PP 4.5-1(d)	Development projects under the LRDP Amendment shall continue to be subject to structural peer review; following this review, any site-specific geotechnical study recommendations, including any recommendations added as a result of the peer review, shall be incorporated in the project design.	
<p>Impact 4.5-1: Implementation of the proposed Project would not expose people and/or structures to potentially substantial adverse effects from rupture of a known earthquake fault, strong seismic ground shaking, seismic-related ground failure (i.e., liquefaction), or landsliding. (LS)</p>	<p>Applicable PPs: PP 4.5-1(a), PP 4.5-1(b), PP 4.5-1(c), PP 4.5-1(d). No mitigation measures are required.</p>	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.5-2: Construction and operation of the proposed Project would not result in substantial soil erosion or the loss of topsoil. (LS)	Applicable PPs: PP 4.7-1. Although mitigation measures are not required, implementation of MM 4.7-1 from Section 4.7, Hydrology, would further reduce this impact.	Less than Significant
Impact 4.5-3: Construction in areas underlain by soils of varying stability would not subject people and structures to hazards associated with landsliding, lateral spreading, subsidence, liquefaction, collapse, or differential settlement. (LS)	Applicable PPs: PP 4.5-1(a), PP 4.5-1(c), PP 4.5-1(d). No mitigation measures are required.	Less than Significant
Impact 4.5-4: Implementation of the proposed Project would not result in construction of facilities on expansive soils, and would not create a substantial risk to people and structures. (LS)	Applicable PPs/MMs: PP 4.5-1(a), PP 4.5-1(c) and PP 4.5-1(d). No mitigation measures are required.	Less than Significant
Hazards and Hazardous Materials (Section 4.6)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.6-1	The campus shall continue to implement the same (or equivalent) health and safety plans, programs, practices, and procedures related to the use, storage, disposal, or transportation of hazardous materials during the LRDP Amendment planning horizon, including, but not necessarily limited to, the Business Plan, Hazardous Materials Management Program, Hazard Communication Program, Injury and Illness Prevention Program, Chemical Exposure Monitoring Program, Asbestos Management Program, Respiratory Protection Program, EH&S procedures for decommissioning and demolishing buildings that may contain hazardous materials, and the Broadscope Radioactive Materials License. These programs may be subject to modification as more stringent standards are developed or if the programs become obsolete through replacement by other programs that incorporate similar health and safety protection measures.	
PP 4.6-4	While not expected to occur on-campus, if contaminated soil and/or groundwater is encountered during the removal of on-site debris or during excavation and/or grading activities, the construction contractor(s) shall stop work and immediately inform the EH&S. An on-site assessment shall be conducted to determine if the discovered materials pose a significant risk to the public or construction workers. If the materials are determined to pose such a risk, a remediation plan shall be prepared and submitted to the EH&S to comply with all federal and State regulations necessary to clean and/or remove the contaminated soil and/or groundwater. Soil remediation methods could include, but are not necessarily limited to, excavation and on-site treatment, excavation and off-site treatment or disposal, and/or treatment without excavation. Remediation alternatives for cleanup of contaminated groundwater could include, but are not necessarily limited to, on-site treatment, extraction and off-site treatment, and/or disposal. The construction schedule shall be modified or delayed to ensure that construction will not inhibit remediation activities and will not expose the public or construction workers to significant risks associated with hazardous conditions.	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.6-1: Implementation of the proposed Project would not expose campus occupants or the nearby public to a significant hazard due to the routine transport, use, disposal, or storage of hazardous materials (including chemical, radioactive, and biohazardous waste). (LS)</p>	<p>Applicable PPs: PP 4.6-1. Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.6-2: Implementation of the proposed Project would not expose construction workers and campus occupants to a significant hazard through the renovation or demolition of buildings or relocation of underground utilities that contain hazardous materials. (LS)</p>	<p>Applicable PPs: PP 4.6-1. Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.6-3: Implementation of the proposed Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. (LS)</p>	<p>Applicable PPs: PP 4.6-1. Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.6-4: Implementation of the proposed Project would not create a significant risk of exposure of campus occupants and construction workers to contaminated soil or groundwater. (LS)</p>	<p>Applicable PPs: PP 4.6-1, PP 4.6-4. Mitigation measures are not required.</p>	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.6-5: Implementation of the proposed Project would not result in hazardous emissions, but could require the handling of hazardous or acutely hazardous materials, substances, or waste within ¼ mile of an existing or proposed school. (LS)	Applicable PPs: PP 4.6-1. Mitigation measures are not required.	Less than Significant
Impact 4.6-6b: Buildout of the proposed Project would not result in construction of facilities on sites containing hazardous materials, and thus would not create a significant hazard to the public or environment. (LS)	Applicable PPs: PP 4.6-1. Mitigation measures are not required.	Less than Significant
Impact 4.6-7: Implementation of the proposed Project would not result in a safety hazard for an increased number of people residing or working on campus due to its proximity to the UCLA Medical Center helipad. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.6-8: Implementation of the proposed Project would not impair implementation of, or physically interfere with, an adopted emergency response or emergency evacuation plan. (LS)	Applicable PPs: PP 4.13-5 and PP 4.13-8 from Section 4.13, Transportation/Traffic. Mitigation measures are not required.	Less than Significant

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Hydrology and Water Quality (Section 4.7)		
<i>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</i>		
<p>PP 4.7-5</p>	<p>Site-specific hydrologic evaluation shall be conducted for each proposed development project based on the project-specific grading plan and site design of each individual project. This evaluation shall include, but not be limited to: (1) an assessment of runoff quality, volume and flow rate from the proposed project site; (2) identification of project-specific BMPs (structural and non-structural) to reduce the runoff rate and volume to appropriate levels; and (3) identification of the need for new or upgraded storm drain infrastructure (on and off campus) to serve the project. Project design shall include measures to upgrade and expand campus storm drain capacity where necessary, as identified through the project-specific hydrologic evaluation. Design of future projects shall include measures to reduce runoff, including, but not limited to, the provision of permeable landscaped areas adjacent to structures to absorb runoff and the use of pervious or semi-pervious paving materials.</p>	
<i>New Campus Program, Practice, and Procedure</i>		
<p>PP 4.7-1</p>	<p>Construction and operation of projects on campus shall comply with requirements and water quality standards set forth within current NPDES Permit regulations (Phase I and Phase II) at the time of project approval. Pursuant to Phase I permit requirements, UCLA shall develop a Storm Water Pollution Prevention Plan (SWPPP) that incorporates Best Management Practices (BMPs) for reducing or eliminating construction-related and post-construction pollutants in site runoff.</p>	
<p>Impact 4.7-1: Implementation of the proposed Project would not violate existing water quality standards or waste discharge requirements. (LS)</p>	<p>Applicable PPs: PP 4.7-1.</p> <p><i>New Mitigation Measure</i></p> <p>MM 4.7-1</p> <p>Best Management Practices (BMPs) shall be implemented for individual development projects, as required by State law, to ensure compliance is maintained with all NPDES requirements existing at the time of project approval. UCLA shall utilize BMPs as appropriate and feasible to comply with and/or exceed the current requirements under the NPDES program. BMPs that may be implemented include, but are not limited to, the following:</p> <p>Non-Structural/Structural</p> <ul style="list-style-type: none"> • Landscape Maintenance • Catch Basin Stenciling and Clean-out • Efficient Irrigation Practices • Litter Control • Fertilizer Management • Public Education • Efficient Irrigation • Permanent Vegetative Controls • Runoff – Minimizing Landscape Design 	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
	<p>Treatment Control BMPs (to minimize storm water pollutants of concern for Ballona Creek - Sediment, Bacteria/Viruses, Toxicity, Trash, and Metals):</p> <ul style="list-style-type: none"> • Vegetated Swale(s) – An open, shallow channel with vegetation covering side slopes and the bottom. • Bioretention – A basin that functions as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes. • Turf Block – A grass area that has a structural component which allows it to be used in drive aisles and parking lots. • Drain Inserts – A manufactured filter placed in a drop inlet to remove sediment and debris. 	
<p>Impact 4.7-2: Implementation of the proposed Project would not substantially deplete groundwater supplies or interfere with groundwater recharge. (LS)</p>	<p>No mitigation measures are required.</p>	<p>Less than Significant</p>
<p>Impact 4.7-3: Implementation of the proposed Project would not substantially alter site drainage patterns and would not result in substantial erosion or siltation on or off site. (LS)</p>	<p>Applicable PPs: PP 4.7-1, PP 4.7-5. Although mitigation measures are not required, implementation of MMs 4.7-1 would further reduce this impact.</p>	<p>Less than Significant</p>
<p>Impact 4.7-4b: Implementation of the proposed Project would not increase the rate or amount of surface runoff and result in flooding either on or off site. (LS)</p>	<p>Applicable PPs: PP 4.7-5. Although impacts are less than significant, implementation of MM 4.7-1 would further reduce this impact.</p>	<p>Less than Significant</p>
<p>Impact 4.7-5: Implementation of the proposed Project would not result in runoff that exceeds the capacity of existing storm drain systems or provide substantial additional sources of polluted runoff. (LS)</p>	<p>Applicable PPs: PP 4.7-5. Although impacts are less than significant, implementation of MM 4.7-1 would further reduce this impact.</p>	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Land Use and Planning (Section 4.8)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.8-1(a)	Development of the southern edge of the main campus shall be designed to enhance the campus interface with Westwood Village.	
PP 4.8-1(b)	The existing recreational fields in the Central zone of campus shall be maintained and will continue to provide a buffer between campus development and the residential uses north of Sunset Boulevard.	
PP 4.8-1(c)	Infill development of the campus shall be continued, which reduces vehicle miles traveled and energy consumption.	
PP 4.8-1(d)	New building projects shall be sited to ensure compatibility with existing uses and the height and massing of adjacent facilities.	
PP 4.8-1(e)	Facilities shall be sited and designed to enhance spatial development of the campus while maximizing use of limited land resources.	
Impact 4.8-1: Implementation of the proposed Project would not result in incompatibilities between campus development and adjacent land uses. (LS)	Applicable PPs: PPs 4.8-1(a) through 4.8-1(e), and PP 4.1-1(a), PP 4.1-2(d) (from Section 4.1, Aesthetics). Mitigation measures are not required.	Less than Significant
Impact 4.8-2: Implementation of the proposed Project would not conflict with an applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect. (LS)	Mitigation measures are not required.	Less than Significant
Noise and Vibration (Section 4.9)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.9-1	The campus shall continue to evaluate ambient noise conditions when placing new student housing near regular sources of noise such as roadways, the on campus helistop , and stationary equipment and design the new buildings to ensure that interior noise levels would be less than 45 dBA CNEL.	
PP 4.9-2	The campus shall continue to notify research facilities located near approved construction sites of the planned schedule of vibration causing activities so that the researchers can take necessary precautionary measures to avoid negative effects to their research.	
PP 4.9-6(a)	The campus shall continue to shield all new stationary sources of noise that would be located in close proximity to noise-sensitive buildings and uses.	
PP 4.9-6(b)	The campus shall continue to provide a landscaped buffer along the western, northern, and eastern edges of the main campus in order to maximize the distance between the roadways and new buildings and provide an acoustically soft environment. At a minimum, this environment can be provided by planting grass and other low landscaping.	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>PP 4.9-7(a) To the extent feasible, construction activities shall be limited to 7:00 A.M. to 9:00 P.M. Monday through Friday, 8:00 A.M. to 6:00 P.M. on Saturday, and no construction on Sunday and national holidays, as appropriate, in order to minimize disruption to area residences surrounding the campus and to on-campus uses that are sensitive to noise.</p> <p>PP 4.9-7(b) The campus shall continue to require by contract specifications that construction equipment be required to be muffled or otherwise shielded. Contracts shall specify that engine-driven equipment be fitted with appropriate noise mufflers.</p> <p>PP 4.9-7(c) The campus shall continue to require that stationary construction equipment material and vehicle staging be placed to direct noise away from sensitive receptors.</p> <p>PP 4.9-7(d) The campus shall continue to conduct regular meetings with on-campus constituents to provide advance notice of construction activities in order to coordinate these activities with the academic calendar, scheduled events, and other situations, as needed.</p> <p>PP 4.9-8 The campus shall continue to conduct meetings, as needed, with off-campus constituents that are affected by campus construction to provide advance notice of construction activities and ensure that the mutual needs of the particular construction project and of those impacted by construction noise are met, to the extent feasible.</p>		
<p>Impact 4.9-1: Implementation of the proposed Project would not expose new on-campus student residential uses to noise levels in excess of the State's 45 dBA CNEL interior noise standard. (LS)</p>	<p>Applicable PPs: PP 4.9-1 and PP 4.9-7(a).</p>	<p>Less than Significant</p>
<p>Impact 4.9-2: Construction activities associated with the proposed Project could generate and expose person on campus, including residents, to excessive groundborne vibration levels. (PS)</p>	<p>Applicable PPs: PP 4.9-2, PP 4.9-7(a) and PP 4.9-7(d).</p> <p><i>New Mitigation Measure</i></p> <p>MM 4.9-2 The campus shall require by contract specifications that, as to the extent feasible, large bulldozers, large heavy trucks, and other similar equipment not be used within 43 feet of the occupied residence halls, within 34 feet of non-residential/non-sensitive buildings, and within 135 feet of buildings that house sensitive instrumentation or similar vibration-sensitive equipment or activities. The work shall be done with medium-sized equipment or smaller within this distance <u>these prescribed distances to the extent practicable.</u></p>	<p>Significant and Unavoidable</p>
<p>Impact 4.9-3: Construction activities associated with the proposed Project would not generate and expose persons off campus to excessive groundborne vibration levels from heavy construction trucks. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.9-4: Operation (post-construction) of the proposed Project would not generate and expose persons on or off campus to excessive long-term groundborne vibration levels. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p>Impact 4.9-5: Implementation of the proposed Project would not cause a substantial permanent on- or off-campus increase in ambient roadway noise levels in the project vicinity. (LS)</p>	<p>Although impacts are less than significant, implementation of PP 4.13-1(c) and PP 4.13-1(d) from Section 4.13, Transportation/Traffic would further reduce impacts.</p>	<p>Less than Significant</p>
<p>Impact 4.9-6: Implementation of the proposed Project could add new stationary sources of noise, but would not cause a substantial permanent on- or off-campus increase in ambient noise levels. (LS)</p>	<p>Applicable PPs: PP 4.9-6(a), PP 4.9-6(b).</p>	<p>Less than Significant</p>
<p>Impact 4.9-7: Construction of the proposed Project would result in substantial temporary or periodic increases in ambient noise levels at on-campus locations. (PS)</p>	<p>Applicable PPs: PP 4.9-7(a), PP 4.9-7(b), PP 4.9-7(c), PP 4.9-7(d).</p> <p>New Mitigation Measure</p> <p>MM 4.9-7 A solid noise barrier that would break the line of sight between the construction site and a sensitive use area would reduce construction noise by at least 5 dBA. Therefore, when detailed construction plans are complete, the campus shall review the locations of sensitive receptor areas in relation to the construction site. If it is determined that a 12-foot-high barrier would break the line of sight between an 11-foot-high noise source and adjacent sensitive use areas, a temporary barrier shall be erected to the extent practicable. The barrier shall be solid from the ground to the top, with no openings, and shall have a weight of at least 3 pounds per square foot, such as plywood that is ½-inch thick.</p>	<p>Significant and Unavoidable</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.9-8: Construction activities associated with the proposed Project could result in substantial temporary or periodic increases in ambient noise levels at off-campus locations. (PS)	Applicable PPs: PP 4.9-7(a), PP 4.9-7(b), PP 4.9-7(c), PP 4.9-7(d), PP 4.9-8 and MM 4.9-7. No additional feasible mitigation measures are available beyond those identified.	Significant and Unavoidable
Impact 4.9-9: Implementation of the proposed Project would not result in substantial temporary or periodic increases in ambient noise levels due to special events. (LS)	Mitigation measures are not required.	Less than Significant
Impact 4.9-10: Implementation of the proposed Project would not expose additional students, faculty, and visitors within the UCLA campus to excessive noise levels generated by helicopter operations. (LS)	Mitigation measures are not required.	Less than Significant
Population and Housing (Section 4.10)		
Impact 4.10-1: Implementation of the proposed Project would not result in substantial population growth, either directly or indirectly. (LS)	Mitigation measures are not required.	Less than Significant
Public Services (Section 4.11)		
<i>Fire Protection</i>		
Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR		
PP 4.11-1	Fire alarm connections to the University Police Command Center shall continue to be provided in all new and renovated buildings to provide immediate location information to the Los Angeles Fire Department to reduce response times in emergency situations.	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.11-1: Implementation of the proposed Project could increase the demand for fire protection services, but would not require the construction of new or physically altered facilities to accommodate the increased demand and to maintain acceptable response times and fire flows. (LS)</p>	<p>Applicable PPs: PP 4.11-1. Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p><i>Police Protection</i></p>		
<p><i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i></p>		
<p>PP 4.11-2(a)</p>	<p>Police staffing levels and equipment needs shall continue to be assessed on an ongoing basis as individual development projects are proposed and on an annual basis during the campus budgeting process to ensure that the appropriate service levels will be maintained to protect an increased campus population and an increased level of development.</p>	
<p>PP 4.11-2(b)</p>	<p>Annual meetings shall continue to be attended by the Director of UCLA Housing and the UCPD to evaluate the adequacy of police protection service for University-owned housing, assess institutional priorities and budgetary requirements, and identify and implement appropriate actions to ensure the continued adequacy of police protection services for resident students.</p>	
<p>Impact 4.11-2: Implementation of the proposed Project could increase the demand for police services, but would not require new or physically altered facilities to maintain acceptable service ratios for police protection services. (LS)</p>	<p>Applicable PPs: PP 4.11-2(a) and PP 4.11-2(b). Mitigation measures are not required.</p>	<p>Less than Significant</p>
<p><i>Schools</i></p>		
<p>Impact 4.11-3: Implementation of the proposed Project would not require new or physically altered facilities to accommodate additional students in LAUSD schools. (LS)</p>	<p>Mitigation measures are not required.</p>	<p>Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Recreation (Section 4.12)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.12-1(a)	The campus shall continue to provide, operate, and maintain recreational facilities for students, faculty, and staff on campus.	
PP 4.12-1(b)	The campus shall continue to integrate landscaped open space (including plazas, courts, gardens, walkways, and recreational areas) with development to encourage use through placement and design.	
Impact 4.12-1: Implementation of the proposed Project would increase the campus population, but would not result in the increased use of parks and recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated. (LS)	Applicable PPs: PP 4.12-1(a), PP 4.12-1(b). Mitigation measures are not required.	Less than Significant
Impact 4.12-2: Impacts resulting from construction of recreation facilities are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/Traffic.	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not Applicable
Transportation/Traffic (Section 4.13)		
<i>Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.13-1(a)	The campus shall continue to maintain the 1990 LRDP vehicle trip cap of 139,500 average daily trips.	
PP 4.13-1(b)	The campus shall continue to maintain the 1990 LRDP parking cap of 25,169 spaces.	
PP 4.13-1(c)	The campus shall continue to provide on-campus housing to continue the evolution of UCLA from a commuter to a residential campus.	
PP 4.13-1(d)	The campus shall continue to implement a TDM program that meets or exceeds all trip reduction and AVR requirements of the SCAQMD. The TDM program may be subject to modification as new technologies are developed or alternate program elements are found to be more effective.	
PP 4.13-2	UCLA Capital Programs will assess construction schedules of major projects to determine the potential for overlapping construction activities to result in periods of heavy construction vehicle traffic on individual roadway segments, and adjust construction schedules, work hours, or access routes to the extent feasible to reduce construction-related traffic congestion.	

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>PP 4.13-5 To the extent feasible, the campus shall maintain at least one unobstructed lane in both directions on campus roadways. At any time only a single lane is available, the campus shall provide a temporary traffic signal, signal carriers (i.e., flagpersons), or other appropriate traffic controls to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the campus shall provide appropriate signage indicating alternative routes.</p> <p>PP 4.13-6 For any construction-related closure of pedestrian routes, the campus shall provide appropriate signage indicating alternative route and provide curb cuts and street crossings to assure alternate routes are accessible.</p> <p>PP 4.13-8 To ensure adequate access for emergency vehicles when construction projects would result in temporary lane or roadway closures, UCLA shall consult with the UCPD, EH&S, and the LAFD to disclose temporary lane or roadway closures and alternative travel routes.</p>		
<p>Impact 4.13-1b: Implementation of the proposed Project would result in additional vehicular trips which would result in a substantial degradation in intersection levels of service. (PS)</p> <p>Impacts to freeway mainline segments would be less than significant. (LS)</p>	<p>Applicable PPs: 4.13-1(d).</p> <p>No feasible mitigation measures are available.</p>	<p>Intersections: Significant and Unavoidable</p> <p>Freeway mainline segments: Less than Significant</p>
<p>Impact 4.13-2: Construction of the proposed Project would result in the generation of construction-related vehicle trips, which could impact traffic conditions along roadway segments and at individual intersections. (PS)</p>	<p>Applicable PPs: 4.13-2.</p> <p>No feasible mitigation measures are available.</p>	<p>Significant and Unavoidable</p>
<p>Impact 4.13-3b: Implementation of the proposed Project would exceed established service levels on roadways designated by the Los Angeles Congestion Management Program. (PS)</p> <p>Services levels on CMP freeway facilities would be not be exceeded. (LS)</p>	<p>Applicable PPs: 4.13-1(a) through 4.13-1(d).</p> <p>CMP Intersection: no feasible mitigation measures are available.</p> <p>CMP Mainline Freeway: no mitigation measures are required.</p>	<p>CMP Intersection: Significant and Unavoidable</p> <p>CMP Mainline Freeway: Less than Significant</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.13-4: Implementation of the proposed Project would not substantially increase vehicular hazards due to design features or incompatible uses during operation (long-term). (LS)	No mitigation measures are required.	Less than Significant
Impact 4.13-5: Construction of the proposed Project would not substantially increase vehicular hazards due to closure of traffic lanes or roadway segments. (LS)	Applicable PPs: PP 4.13-5. No mitigation measures are required.	Less than Significant
Impact 4.13-6: Construction of the proposed Project would not substantially increase pedestrian hazards due to closure of sidewalks or paths. (LS)	Applicable PPs: PP 4.13-6. No mitigation measures are required.	Less than Significant
Impact 4.13-7: Operation of the proposed Project would not result in inadequate emergency access. (LS)	No mitigation measures are required.	Less than Significant
Impact 4.13-8: Construction of the proposed Project would not result in inadequate emergency access. (LS)	Applicable PPs: PP 4.13-8.	Less than Significant
Impact 4.13-9: Implementation of the proposed Project would not result in inadequate parking capacity on campus. (LS)	No mitigation measures are required.	Less than Significant
Impact 4.13-10: Implementation of the proposed Project would not result in inadequate parking capacity off campus. (LS)	No mitigation measures are required.	Less than Significant
Impact 4.13-11: Construction of the proposed Project could result in the temporary elimination of on-campus parking spaces and could require additional temporary parking for construction workers. (PS)	Mitigation Measure Carried Forward from the 2002 LRDP Final EIR MM 4.13-11 To the extent that construction worker parking demand exceeds historical levels or available supply, off-site construction worker parking shall be provided with shuttle service to the remote parking location.	Less than Significant

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Impact 4.13-12: Implementation of the proposed Project would not conflict with adopted policies, plans, or programs supporting alternative transportation. (LS)	Applicable PPs: PP 4.13-1(c), PP 4.13-1(d). No mitigation measures are required.	Less than Significant
Utilities and Service Systems (Section 4.14)		
<i>Water Supply</i>		
Campus Programs, Practices, and Procedures Carried Forward from the 2002 LRDP Final EIR		
PP 4.14-2(a)	New facilities and renovations (except for patient care facilities in the Medical Center) shall be equipped with low-flow showers, toilets, and urinals.	
PP 4.14-2(b)	Measures to reduce landscaping irrigation needs shall be used, such as automatic timing systems to apply irrigation water during times of the day when evaporation rates are low, installing drip irrigation systems, using mulch for landscaping, subscribing to the California Irrigation Management Information System Network for current information on weather and evaporation rates, and incorporating drought-resistant plants as appropriate.	
PP 4.14-2(c)	The campus shall promptly detect and repair leaks in water and irrigation pipes.	
PP 4.14-2(d)	The campus shall minimize the use of water to clean sidewalks, walkways, driveways and parking areas.	
PP 4.14-2(e)	The campus shall avoid serving water at UCLA food service facilities except upon request.	
PP 4.14-2(f)	The campus shall provide ongoing water treatment programs for campus cooling equipment by adding biodegradable chemicals to achieve reductions in water usage.	
PP 4.14-2(g)	The campus shall educate the campus community on the importance of water conservation measures.	
PP 4.15-1	The campus shall continue to implement provisions of the UC Policy on Sustainability Practices including, but not limited to: Green Building Design; Clean Energy Standards; Climate Protection Practices; Sustainable Transportation Practices; Sustainable Operations; Recycling and Waste Management; and Environmentally Preferable Purchasing Practices.	
Impact 4.14-1: Implementation of the proposed Project would not require the construction of new water facilities. Potential impacts from construction are addressed in Sections 4.2, Air Quality); 4.9, Noise and Vibration; and 4.13, Transportation/Traffic.	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not Applicable

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
<p>Impact 4.14-2: Implementation of the proposed Project would generate an additional demand for water, but would not require water supplies in excess of existing entitlements and resources or result in the need for new or expanded entitlements. (LS)</p>	<p>Applicable PPs: PP 4.14-2(a) through PP 4.14-2(g), and PP 4.15-1 (Section 4.15, Climate Change).</p> <p>No mitigation measures are required.</p>	<p>Less than Significant</p>
<p><i>Solid Waste</i></p>		
<p>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</p>		
<p>PP 4.14-3 The campus shall continue to implement a solid waste reduction and recycling program designed to limit the total quantity of campus solid waste that is disposed of in landfills during the LRDP plan horizon.</p>		
<p>Impact 4.14-3: Implementation of the proposed Project would not generate solid waste that exceeds the permitted capacity of landfills serving the campus. (LS)</p>	<p>Applicable PPs: PP 4.14-3, and PP 4.15-1 (Section 4.15, Climate Change).</p> <p>No mitigation measures are required.</p>	<p>Less than Significant</p>
<p>Impact 4.14-4: Implementation of the proposed Project would comply with all applicable federal, State, and local statutes and regulations related to solid waste. (NI)</p>	<p>Applicable PPs: PP 4.14-3, PP 4.15-1 (Section 4.15, Climate Change).</p> <p>No mitigation measures are required.</p>	<p>No Impact</p>
<p><i>Wastewater</i></p>		
<p>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</p>		
<p>PP 4.14-5 As part of the design process for proposed projects, an evaluation of the on-campus sewer conveyance capacity shall be undertaken, and improvements provided if necessary in order to ensure that connections are adequate and capacity is available to accommodate estimated flows.</p>		
<p>Impact 4.14-5: Implementation of the proposed Project would increase the amount of wastewater generated on campus, but would not require the construction of new or expanded wastewater conveyance systems beyond lines to connect to existing facilities. Potential impacts from construction are addressed in</p>	<p>Applicable PPs: PP 4.14-5.</p> <p>Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.</p>	<p>Not Applicable</p>

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/ Traffic.		
Impact 4.14-6: Implementation of the proposed Project would not increase wastewater generation such that treatment facilities would be inadequate to serve the project's projected demand in addition to the provider's existing commitments. (LS)	No mitigation measures are required.	Less than Significant
<i>Energy</i>		
<i>Campus Program, Practice, and Procedure Carried Forward from the 2002 LRDP Final EIR</i>		
PP 4.14-9 The campus shall continue to implement energy conservation measures (such as energy-efficient lighting and microprocessor-controlled HVAC equipment) to reduce the demand for electricity and natural gas. The energy conservation measures may be subject to modification as new technologies are developed or if current technologies become obsolete through replacement.		
Impact 4.14-7: Implementation of the proposed Project would increase the demand for electricity, but would not require the construction of new or expanded electric facilities beyond lines to connect to existing facilities. Potential impacts from construction are addressed in the following sections: 4.2, Air Quality, 4.9, Noise, and 4.13, Transportation/Traffic.	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not Applicable
Impact 4.14-8: Implementation of the proposed Project could increase the demand for natural gas but would not require the construction of new or expanded natural gas facilities beyond lines to connect to existing facilities. Potential impacts from construction are addressed in the following sections: 4.2, Air	Refer to Section 4.2, Air Quality; Section 4.9, Noise; and Section 4.13, Transportation/Traffic.	Not Applicable

**TABLE 1-2 (Continued)
SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION PROGRAM
PROPOSED PROJECT (2002 LRDP AS AMENDED)**

Summary of Impacts Prior to Mitigation	Mitigation Measures (MMs)	Level of Significance After Mitigation
Quality, 4.9, Noise, and 4.13, Transportation/Traffic.		
Impact 4.14-9: Implementation of the proposed Project would not result in the wasteful or inefficient use of energy by UCLA. (LS)	Applicable PPs: PP 4.14-9, and PP 4.15-1 (Section 4.15, Climate Change)	Less than Significant
Climate Change (Section 4.15)		
<i>New Campus Program, Practice, and Procedure</i>		
PP 4.15-1 The campus shall continue to implement provisions of the UC Policy on Sustainability Practices including, but not limited to: Green Building Design; Clean Energy Standards; Climate Protection Practices; Sustainable Transportation Practices; Sustainable Operations; Recycling and Waste Management; and Environmentally Preferable Purchasing Practices; and provisions of the applicable UCLA Climate Action Plan.		
Impact 4.15-1: Implementation of the proposed Project would not impede or conflict with the emissions reduction targets and strategies prescribed in or developed to implement AB 32. (LS)	Applicable PPs: PP 4.15-1. No mitigation measures are required.	Less than Significant
^a NI: No Impact; LS: Less than Significant Impact; PS: Potentially Significant Impact		