GB7

TO THE MEMBERS OF THE COMMITTEE ON GROUNDS AND BUILDINGS:

ACTION ITEM

For Meeting of May 14, 2014

APPROVAL OF DESIGN FOLLOWING ACTION PURSUANT TO CALIFORNIA ENVIRONMENTAL QUALITY ACT, ENGINEERING VI – PHASE 2 PROJECT, LOS ANGELES CAMPUS

EXECUTIVE SUMMARY

The proposed project would involve construction of a 94,000 gross square foot (gsf) research laboratory facility to accommodate multi-disciplinary information science and computation research programs of the Henry Samueli School of Engineering and Applied Science (HSSEAS). The facility would be built adjacent to the Engineering VI – Phase 1 building currently under construction on Westwood Plaza at the center of campus in the Core zone of the UCLA Long Range Development Plan.

The building would provide research laboratories and offices for approximately 35 faculty, an incubation laboratory for the translation of the research to commercial use, and a 250-seat technology-enabled Learning Center equipped to serve both traditional and online engineering students. It would allow for the expansion of research activities and help to alleviate deficiencies in the engineering complex resulting from the increase in the numbers of faculty and students during the past decade.

The project would provide HSSEAS with a collaborative environment to foster scientific discoveries; support the development of new technologies, inventions, and educational programs; and create new commercial opportunities for high-growth industries dependent on computation research.

The Regents approved the project budget, and standby and interim financing in March 2014. The Committee on Grounds and Building is being asked to:

(1) Adopt the Mitigated Negative Declaration under the California Environmental Quality Act.

(2) Adopt the Mitigation Monitoring and Reporting Program and California Environmental Quality Act Findings.

(3) Approve the design for the Engineering VI – Phase 2 Project.

RECOMMENDATION

Upon review and consideration of the environmental consequences of the proposed Engineering VI-Phase 2 Project, the President of the University recommends that the Committee on Grounds and Buildings:

1. Adopt the Mitigated Negative Declaration based on an Initial Study tiered from the 2002 Long Range Development Plan (LRDP) Environmental Impact Report (EIR), as Amended Final EIR under the California Environmental Quality Act (CEQA).

2. Adopt the Mitigation Monitoring and Reporting Program and CEQA Findings.

3. Approve the design of the Engineering VI – Phase 2 Project, for the Los Angeles campus.

BACKGROUND

A new research laboratory building is needed to provide the Henry Samueli School of Engineering and Applied Science (HSSEAS) with a collaborative environment for multi-disciplinary information science and computation research that cannot be accommodated within existing facilities. The proposed building would allow for the expansion of this research and help alleviate space deficiencies throughout the engineering complex because of the increase the numbers of faculty and staff during the past decade.

The proposed location east of Westwood Plaza is the former site of the seismically deficient Engineering 1A building that was demolished in 2012. The Engineering VI – Phase 1 project (61,500 gsf) is currently under construction on the north portion of this site and will accommodate specialized laboratories for the development of energy systems based on green technology. While the Phase 1 building will accommodate primarily a highly specialized research program, the Phase 2 building would increase the space for faculty and students in information science and computation research.

PROJECT DESCRIPTION

The proposed Engineering VI – Phase 2 (Project) would involve construction of a 94,000 gsf research laboratory facility to accommodate HSSEAS's multidisciplinary information science and computation research programs. The proposed facility would be built adjacent to the Engineering VI – Phase 1 building that is currently under construction east of the Westwood Plaza terminus.

Engineering VI – Phase 2 would comprise five levels and a partial basement. It would accommodate a learning center on the ground level, dry research laboratories and faculty offices on levels two through four, and a technology incubation laboratory on the fifth floor. The basement would accommodate laboratory support space and mechanical equipment. Pedestrian bridges would link building corridors on the upper levels to the adjacent Engineering VI – Phase 1 building to the north and the Engineering IV building to the south.

Computational research laboratories and faculty offices would have the space configuration and technological infrastructure to support the development of: (1) new methods to analyze and secure large volumes of digital information ("big data"); (2) new wireless and customized computing applications to improve healthcare delivery; and (3) new computational platforms to improve the delivery of data over the internet. The incubation laboratory would facilitate the translation of this research to commercial use. The Learning Center would enhance the creative interaction of faculty and students, and provide a venue for integrating the results of ongoing research with the academic program.

The scope of work would include site clearing and grading; connections to campus utilities; building construction; provision of infrastructure to support the potential for wet laboratories on the top floor in the future; installation of a high-capacity freight elevator; audio visual systems; and site improvements. Group 2 and 3 furniture and equipment would be procured and installed separately by HSSEAS, with re-use of some existing items anticipated.

Computational Research Laboratories: Open and flexible dry laboratories equipped with computer workstations, and enabled by cloud computing technology, would be provided to support the collaborative exchange of ideas and problem solving between a broad spectrum of computer scientists and engineers. The spaces would be configured to accommodate changing research needs over time, including the potential to subdivide them for the particular requirements of individual research groups.

Incubation Laboratory and Support: A technology incubation laboratory would be provided with the potential for private use activity. The facility, to be managed by HSSEAS's Institute for Technology Advancement, would be staffed by a core of experts with business and technology experience who work closely with industrial partners and government agencies to facilitate the development and commercialization of scientific discoveries at UCLA. The laboratory space would have the mechanical distribution, utility infrastructure, and vibrational stability to support both dry and wet laboratory use.

Research Interaction: Space would be provided to facilitate opportunities for impromptu meetings and collaborations among researchers, faculty, students and staff. These would include designated breakout areas on each floor, and dedicated spaces for quiet study. A variety of seating options would be provided.

Research Offices and Support: Individual offices would be provided for 35 faculty, with shared offices for post-doctoral scholars and graduate students. Office space would also be provided for administrative and technical staff, and for graduate student support.

Conference Rooms: Shared conference rooms in a range of sizes would be provided to support research activity in the building.

Graduate Student Commons: Lounge space would be provided for graduate students involved in the computational research program. This dedicated space for graduate students would provide an informal environment away from the laboratories for sharing research ideas and findings.

Learning Center: A 250-seat technology-enabled classroom would be provided for the dissemination of course material to engineering students through traditional lectures, workshops and symposia, and non-traditional students taking online courses. The classroom will be designed to accommodate an audience of 50 for distance learning and larger audiences of up to 250 for lectures and multi-media presentations. It will be divisible into two spaces – one with movable tables/seating and the other with fixed-tiered seating – that are equipped to support simultaneous events as well as record and broadcast to remote locations. The learning center would also include meeting space that can be used for office hours with online students via teleconferencing, breakout sessions, and hosting visiting alumni; exhibit space for the presentation of student work and the display of artifacts showcasing the School's achievements; and a pre-function/reception area.

Design Elements

Building Site

The proposed building site is located in the campus Core zone and is bounded to the north by the Engineering VI – Phase 1 Building (under construction), Engineering V to the east, Engineering IV to the south, and Westwood Plaza to the west. The project site is currently unimproved and is being used as a construction staging area for the Engineering VI – Phase 1 Building.

Building Design

The building is designed as the completion of a series of engineering buildings constructed over a period of fifteen years; the entry on the building's western façade would act as a new "front door" to the HSSEAS complex. A two-story lobby would provide pre-function space for the Learning Center, with a corridor leading out the east side of the building to a landscaped courtyard. A landscaped terrace on the second floor would provide additional open space for the complex.

The upper floors of the new building would contain laboratory and office space arranged to maximize access to natural light, views, and natural ventilation. Student study areas and informal learning would be distributed throughout the circulation spaces to provide interaction opportunities for students and faculty.

Materials

The building would utilize materials consistent with the UCLA Physical Design Framework's campus design standards that would express permanence and durability. A four-color blend of brick would be used on the principal west façade and other elevations. This would also tie closely to the design of the Engineering VI – Phase 1 and Engineering V buildings to create a unified complex. Buff-colored metal panels used at spandrel areas would match the color of other materials in the surrounding area. High-performance glazing and sunshades would allow ample natural light and views for the occupants of the office and laboratory spaces of the building.

Sustainability

The proposed Project would comply with the *University of California Policy on Sustainable Practices* will achieve the minimum Leadership in Energy and Environmental Design (LEED™) Silver rating, and will strive to achieve a LEED™ Gold rating. Please refer to Policy Compliance (Attachment 2) for additional detail.

ATTACHMENTS

Attachment 1: Project Budget

Attachment 2: Policy Compliance

Attachment 3: California Environmental Quality Act (CEQA) Compliance

Attachment 4: Project Graphics

Attachment 5: Final Initial Study/Mitigated Negative Declaration Summary (includes Mitigation Monitoring and Reporting Program)
http://downloads.capnet.ucla.edu/Public/356-UCLA%20Engineering%20VI%20Ph2%20Final%20Initial%20Study%20-%20May%202014.pdf

Attachment 6: CEQA Findings

Attachment 7: Link to LRDP and Final LRDP EIR documents:
http://www.capitalprograms.ucla.edu/Planning/LongRangeDevelopmentPlan

ATTACHMENT 1

PROJECT BUDGET
CCCI 6564

Category	Amount	% PWC
Site clearance	117,000	0.2
Building	54,271,000	74.7
Exterior utilities	596,000	0.8
Site development	2,162,000	3.0
A & E Fees	3,952,000	5.4
Campus administration	1,335,000	1.8
Surveys, tests, plans	1,164,000	1.6
Special items (other) [(1)]	1,979,000	2.7
Special items (interest expense)	1,760,000	2.4
Contingency	5,364,000	7.4
PWC	72,700,000	100%
Group 2 & 3 Equipment [(2)]		
Project Cost	$72,700,000	

Project Statistics	
GSF	94,000
ASF	60,000
ASF:GSF ratio	64%
Building Cost/GSF	$577
Project Cost/GSF	$773

Comparable Projects

CCCI: 6564

Campus	Project	Original Cost Index	GSF	Adjusted Bldg Cost per GSF	Adjusted Const Cost per GSF
UCI	Engineering Unit 3	4328	149,938	$466	$601
UCLA	Engineering VI – Phase I	6006	62,500	$671	$927
UCM	Science & Engineering	4019	173,483	$550	$635
UCM	Science & Engineering 2	5565	101,873	$760	$981
UCR	Engineering Bldg. Unit 3	5697	90,636	$632	$804
UCSD	Structural & Materials Engr. Bldg.	4632	183,400	$464	$580
		Average Value		**$591**	**$755**

Notes

(1) Special Items include CEQA documentation, peer reviews, constructability review, specialty consultants, agency fees, LEED™ fees, and hazardous material survey.

(2) Furniture and equipment to be procured separately.

ATTACHMENT 2

POLICY COMPLIANCE

Long Range Development Plan (LRDP) and Physical Design Framework
The Project's proposed use and square footage is consistent with those permitted in the Core zone of the UCLA Long Range Development Plan.

Capital Financial Plan
The Project is included in the accepted 2013-23 Capital Financial Plan for the Los Angeles campus.

Policy for Independent Design and Cost Review of Building Plans
The campus is complying with University policy for peer design review and peer structural review of the building design, and independent cost review. UCLA Capital Programs will perform project oversight.

Seismic Safety Policy
This project will comply with the *University of California Seismic Safety Policy* including independent seismic peer review.

Sustainable Practices
The proposed Project would comply with the *University of California Policy on Sustainable Practices* will achieve the minimum Leadership in Energy and Environmental Design (LEED™) Silver rating, and will strive to achieve a LEED™ Gold rating. Sustainable components of the Project include:

- Protect undeveloped land by developing in an urban area with existing infrastructure.
- Implement an infill project promoting higher development density and community connectivity.
- Develop a project located near public transportation alternatives, and provide bicycle storage and changing rooms.
- Provide open space/landscape areas with native and/or drought-tolerant plant palette.
- Provide storm water run-off treatment and collection systems to reduce run-off quantities and to improve water quality.
- Reduce potable water use by a minimum of 40 percent through selection of high efficiency fixtures (taps, toilets, shower heads, and other fixtures) with motion sensors (where appropriate), and a central water filtration system.
- Reduce building energy consumption by a minimum of approximately 20 percent below Title 24 through use of natural ventilation; high-performance glass; reduced lighting power densities; building commissioning; enhanced refrigerant management; and implementation of measurement and verification of energy efficiency features after the building is constructed.
- Incorporate exterior materials that reduce the heat island effect, including high-emissivity roofing and light-colored paving.
- Reduce solid waste disposal by diverting 75 percent of construction waste from landfills.

- Utilize at least 10 percent recycled materials, at least 10 percent regionally-sourced materials, and 95 percent forest stewardship council (FSC)-certified wood.
- Utilize low-emitting adhesives, sealants, paints, coatings, carpets, flooring systems, composite wood and agrifiber products.
- Maximize access to daylight and outdoor views by optimizing the façade for deep penetration of sunlight as well as possible use of light shafts and solar tubes; increasing fresh air ventilation; monitoring outdoor air delivery; reducing indoor chemicals and air pollutants; and providing thermal and lighting controls for occupants.

The Engineering VI-Phase 2 Building would be constructed to be "PV ready"; the photovoltaic panels would not be included as part of the Project's initial construction but may be installed at a future date.

ATTACHMENT 3

CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

Pursuant to State law and University procedures for the implementation of the California Environmental Quality Act, the potential environmental effects of the proposed Engineering VI-Phase 2 Building were analyzed in a Final Initial Study/Mitigated Negative Declaration (IS/MND) (SCH#2014021020), dated February 2014. The Final Initial Study is tiered from the 2002 LRDP as Amended Final EIR and identifies campus programs, procedures and practices (PPs) and mitigation measures (MMs) from the Final EIR Mitigation Monitoring and Reporting Program (MMRP) that would reduce potential impacts of the proposed Project and includes new mitigation measures identified to reduce project-level environmental impacts to a less than significant level, where applicable.

The Draft Initial Study and Notice of Intent were released for a 30-day public review period from February 12, 2014 to March 13, 2014. Public notice of the availability of the Draft Initial Study was provided on the UCLA Capital Programs website and was distributed to interested agencies, groups, and individuals. The IS/MND analyzed the impacts of the construction and operation of a new six-level (one partial basement level), approximate 94,000 (gsf) building to accommodate the Engineering VI-Phase 2 Building

Based on the evaluation in the Draft Initial Study, it was determined that the Project would have a less than significant impact with incorporation of mitigation measures.

Environmental Impacts

One project-specific mitigation measure was identified for Geology and Soils to ensure that geotechnical recommendations are incorporated into the project design, and all relevant LRDP EIR mitigation measures and continuing implementation of adopted campus practices and procedures were also identified in the Final Initial Study.

Incorporated as elements of the project are applicable LRDP EIR mitigation measures, campus practices and procedures, and with the adoption of proposed project-specific mitigation measure identified in the Final Initial Study related to geologic and soils, project impacts will be less than significant. Accordingly, a Mitigation Monitoring Program is proposed for adoption. Monitoring of the implementation of mitigation measures will be conducted on an annual basis in conjunction with the ongoing 2009/2002/1990 LRDP Mitigation Monitoring Program. The campus monitors mitigation measures for projects on and off campus through the annual reporting of the Mitigation Monitoring Program.

Public Comments

During the public review period, two letters were received from one state agency and one individual. The Final Initial Study contains all of the comments received during the public comment period. UCLA evaluated the written comments received during the comment period, which can be summarized as concurrence with the analysis and determination of no significant impacts. UCLA's responses to the written comments are included as part of the Final Initial Study/Mitigated Negative Declaration. UCLA has concluded that the comments do not require any changes to the project or the proposed mitigation measure described in the Initial Study and that recirculation under CEQA is not required.

Findings

The Findings discuss the Project's potential impacts, mitigation measures identified to reduce the potential impacts to a less than significant level and applicable campus practices and procedures to further reduce those impacts.

Regents Committee On Grounds & Buildings

UCLA ENGINEERING VI - PHASE 2

UCLA Capital Programs, May 2014

Engineering VI Phase 2:

- 94,000 gsf
- 60,000 asf
- $72,700,000

- Labs & offices for 35 faculty
- Incubation lab
- 250 seat learning center
- Construction: 4/15 - 9/17


SUNSET BLVD.
SUNSET BLVD.
SUNSET BLVD.
SUNSET BLVD.
VETERAN AVE
GAYLEY AVE
GAYLEY AVE
WESTWOOD PLAZA
HILGARD AVE
HILGARD AVE
GAYLEY AVE
LE CONTE AVE
WESTWOOD BLVD
WEYBURN DR
VETERAN AVE
WILSHIRE BLVD.
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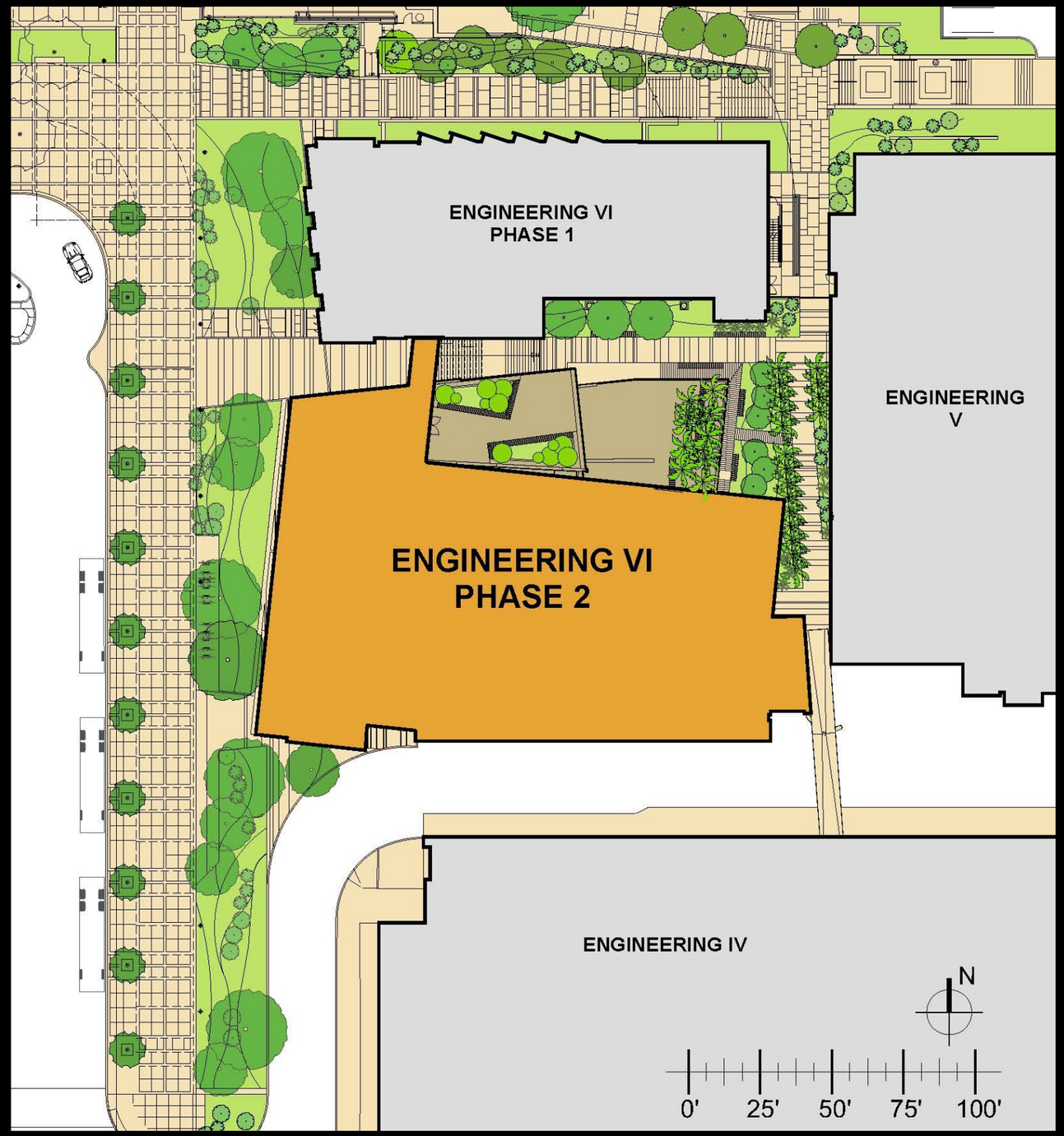
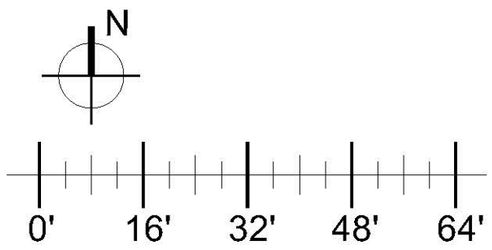
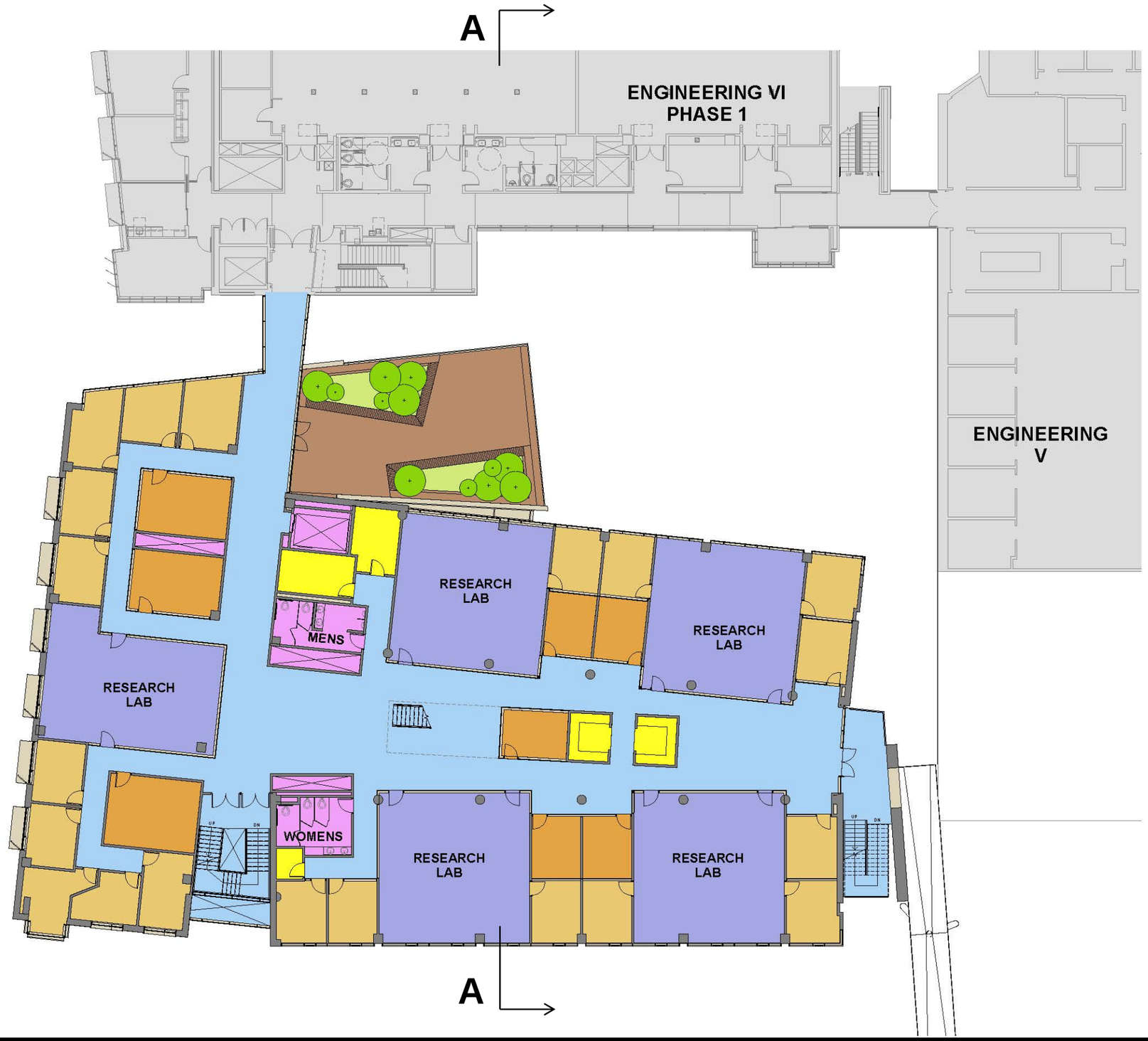
0' 200' 400' 600' 800'


ENGINEERING VI
PHASE 1
ENGINEERING
V
ENGINEERING VI
PHASE 2
ENGINEERING IV
N
0' 25' 50' 75' 100'

- MEETING ROOMS
- OFFICE
- SERVICE & SUPPORT
- CORE/ RESTROOMS
- CIRCULATION
- OUTDOOR FUNCTION
- LOADING DOCK
- EXISTING BUILDING





- MEETING ROOMS
- OFFICE
- LAB
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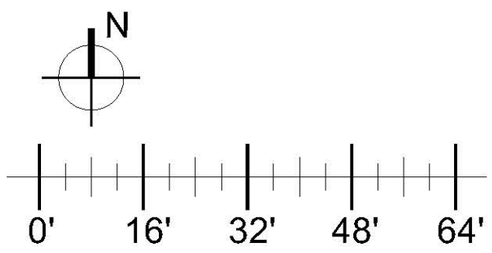
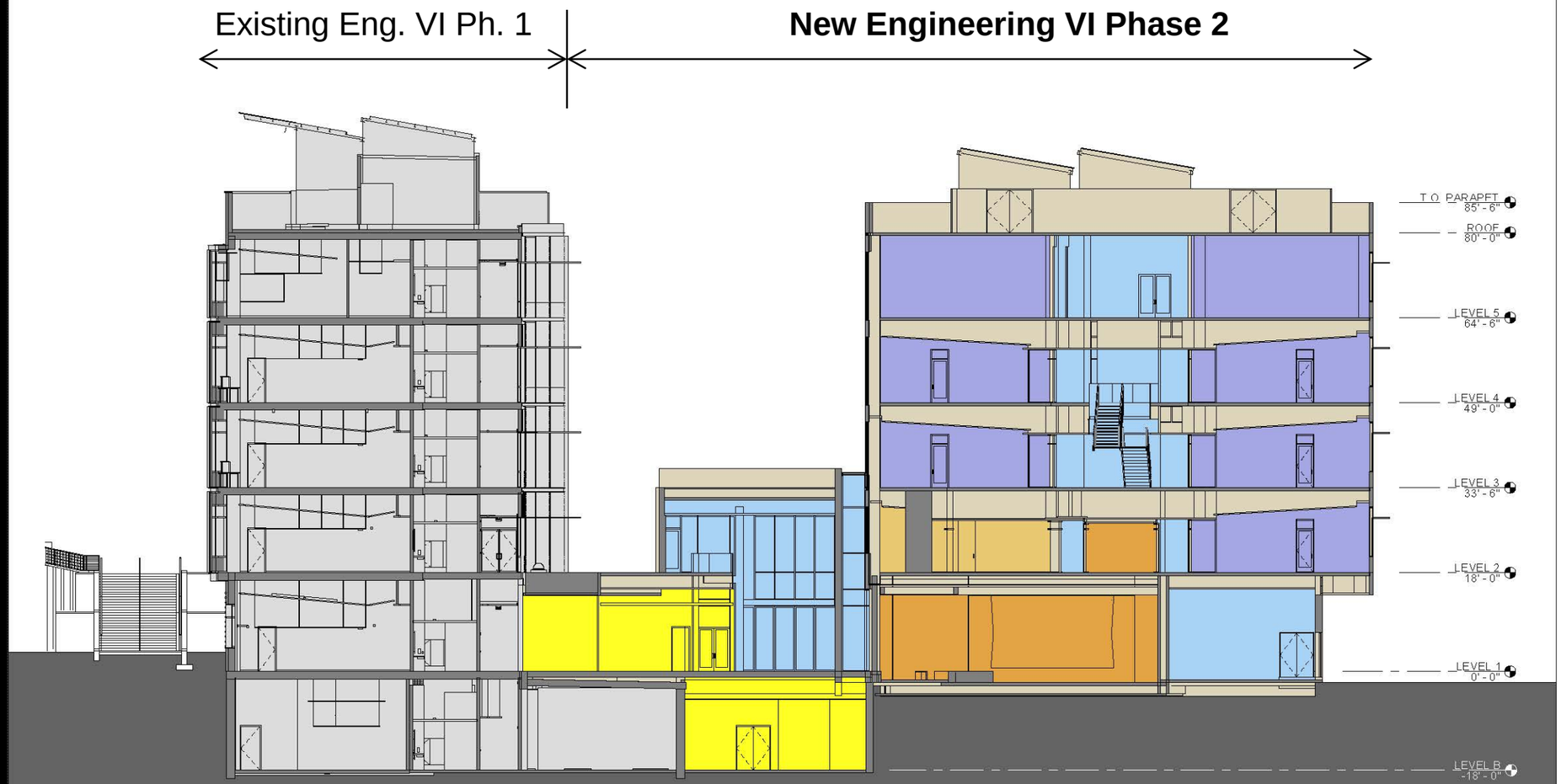
- CORE/ RESTROOMS
- CIRCULATION
- OUTDOOR FUNCTION
- EXISTING BUILDING





MEETING ROOMS

OFFICE

LAB

SERVICE & SUPPORT

CIRCULATION

EXISTING BUILDING

0' 16' 32' 48' 64'


Existing Engineering VI Phase 1
New Engineering VI Phase 2
UCLA Blend Brick
Painted Metal Sunshade
Buff Cast Stone
High Efficiency Glazing

Sustainability

- Project will achieve LEED Gold
- Project located immediately adjacent to public transportation services
- Provides open space and landscaping with native or drought-tolerant planting
- Reduces water use by 40% through high efficiency plumbing fixtures and smart irrigation
- Diverts more than 75% of construction waste from landfill
- Utilizes daylighting strategies to reduce energy use
- Reduces HVAC requirements with natural ventilation
- Reduces energy consumption by more than 20% better than Title 24
- Enhanced commissioning to verify systems performance
- Reinforce Healthy Campus Initiative with open and inviting staircases
- Rooftop is “Photovoltaic Ready”

CALIFORNIA ENVIRONMENTAL QUALITY ACT FINDINGS IN CONNECTION WITH THE APPROVAL OF THE DESIGN AND CONSTRUCTION OF THE ENGINEERING VI – PHASE 2 PROJECT UNIVERSITY OF CALIFORNIA, LOS ANGELES CAMPUS

I. ADOPTION OF THE MITIGATED NEGATIVE DECLARATION

Pursuant to Title 14, California Code of Regulations, Section 15074(b), The Regents hereby finds that the Mitigated Negative Declaration and the Initial Study prepared for the proposed Engineering VI - Phase 2 Project (the Project) has been completed in compliance with the California Environmental Quality Act (CEQA), Public Resources Code Sections 21000 et seq. The Regents further find that they have reviewed and considered the information contained in the Draft Initial Study, all comments received on the Draft Initial Study and the responses to comments, which are included in the Final Initial Study. The Regents further find that the information contained in the Draft and Final Initial Study reflects their independent judgment and analysis. On the basis of the Draft and Final Initial Study, The Regents have determined that a Mitigated Negative Declaration is the appropriate CEQA documentation for the Project and further determine, as set forth in Section III, below, to adopt the Mitigated Negative Declaration. Collectively, the Draft and Final Initial Study, and the administrative record in support thereof, are referred to herein as the Initial Study.

II. FINDINGS

The Regents certify that these Findings are based on a full appraisal of all information in the record, including all comments received up to the date of adoption of these Findings concerning the environmental impacts identified and analyzed in the MND that are supported by substantial evidence in the record. The following Findings are hereby adopted by The Regents in conjunction with the approval of the Project, as set forth in Section III, below.

A. Background and Project Description

UCLA proposes the construction and operation of a new 6-level (including 1 partial basement level), 94,000-gross-square-foot (gsf) research laboratory facility to accommodate multi-disciplinary information science and computation research programs for the Henry Samueli School of Engineering and Applied Science (HSSEAS). The Engineering Phase 2 Building would house the UCLA Department of Computer Science and would be designed to provide a collaborative environment to foster scientific discoveries; support the development of new technologies, inventions and educational programs; and create new commercial opportunities for high-growth industries dependent on computation research. Construction is anticipated to begin in April 2015 with completion in September 2017; for a duration of approximately 30 months.

B. Environmental Review Process

A Draft Initial Study (State Clearinghouse No. 2012121045) was prepared for the Project in accordance with CEQA, the State CEQA Guidelines, and the University of California Procedures for Implementation of CEQA. The Initial Study analyzed the potential impacts of the Project with regard to the following environmental topic areas: (1) aesthetics, (2) agricultural resources, (3) air quality, (4) biological resources, (5) cultural resources, (6) geology and soils, (7) GHG Emissions, (8) hazards and hazardous materials, (9) hydrology and water quality, (10) land use and planning, (11) mineral resources, (12) noise, (13) population and housing, (14) public services, (15) recreation, (16) transportation/traffic, and (17) utilities and services systems.

The Initial Study is tiered from the March 2009 LRDP Amendment Final EIR (State Clearinghouse No. 2008051121) certified by the University of California Board of Regents (the University) and the analysis in the Initial Study incorporates all relevant LRDP EIR Programs, Practices and Procedures (PPs) and Mitigation Measures (MMs) and one project-specific mitigation measures. Based on the project-specific analysis presented in the Initial Study, it was determined that for each topical issue the Project would have no impact or a less than significant impact with the proposed adoption of identified project-level MMs and incorporation of all relevant MMs and continuing adherence to adopted PPs identified in the LRDP EIR; thus, the Project would not result in any potentially significant impacts.

It was also determined in the Initial Study that the project would result in project-related short-term construction noise impacts previously identified and adequately addressed in the LRDP EIR. Based on this analysis, the University prepared a Mitigated Negative Declaration that reflects these conclusions.

On February 12, 2014, the Draft Initial Study was submitted to the State Clearinghouse in the Governor's Office of Planning and Research and was released for public review establishing a 30-day review period concluding March 13, 2014. The Initial Study was provided to approximately 35 interested agencies and individuals and was also made available on the UCLA Capital Programs website and at an on-campus library. Two comment letters were received during the public review period and written responses thereto included in the Final Initial Study. As reflected in the Final Initial Study, the response to the comment letters received did not add new information or change any of the impact conclusions presented in the Draft Initial Study. As such, a Mitigated Negative Declaration based on the Draft and Final Initial Study was therefore prepared.

C. Environmental Summary

The following sections summarize the environmental evaluation provided in the Initial Study for the proposed Project.

1. Less Than Significant Impacts with Project-Level Mitigation Measures Incorporated

a. Geology and Soils

Based on the analysis presented in the Draft Initial Study (see page 48), with implementation of project specific MM Engineering-P2 5-1, the Project would have a less than significant impact in relation to exposure to strong seismic ground shaking or expansive soils. Therefore, through

implementation of this project-level mitigation measure, there would be a less than significant impact related to geology and soils.

2. Issues for which the Project would have a Less Than Significant Impact or No Impact

a. Aesthetics

Based on the analysis presented in the Draft Initial Study (see page 17), the proposed Project, which includes LRDP EIR PP 4.1-1 (a), PP 4.1-2 (b) and MM 4.1-3 (a and b), would have a less than significant impact or no impact for the following aesthetic issues: effect on a scenic vista, damage scenic resources, degrade the existing visual character or quality of the site and its surroundings, and create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.

b. Agricultural Resources

Based on the analysis presented in the Draft Initial Study (see page 25), there are no relevant elements related to agricultural resources. In addition, the Project site is not designated as farmland by either the California Department of Conservation or the U.S. Department of Agriculture. Therefore the project would have no impact to agricultural resources.

c. Air Quality

Based on the analysis presented in the Draft Initial Study (see page 26), the proposed Project, which includes LRDP EIR PP 4.2-2 (a through d) and MM 4.2-2 (a through c), would have a less than significant impact for the following air quality issues: conflict or obstruct implementation of the applicable air quality plan; violate air quality standards; result in cumulatively considerable net increase of any criteria pollutant; expose sensitive receptors to substantial pollutant concentrations; create objectionable odors affecting a substantial number of people.

d. Biological Resources

Based on the analysis presented in the Draft Initial Study (see page 38), there are no relevant elements related to biological resources, because there are no trees or any other vegetation currently on the site. Therefore the project would have no impact on biological resources.

e. Cultural Resources

Based on the analysis presented in the Draft Initial Study (see page 42), the proposed Project, which includes LRDP EIR PP 4.4-5 and MM 4.4-2 (a through c), MM 4.4-3 (a and b), would have a less than significant or no impact for the following cultural resources issues: adverse change in the significance of an historical or archaeological resource pursuant to 15064.5; destroy a unique paleontological resource or unique geologic feature; or disturb human remains.

f. Geology and Soils

In addition to the project-level mitigation measure as described in Section 1.a. above, based on the analysis presented in the Draft Initial Study (see page 47), which includes LRDP EIR PP 4.5-1 (a, c, and d), the Project would have a less than significant impact or no impact for the following geologic issues: rupture of a known earthquake fault; seismic-related ground failure

including liquefaction and landslides; location on a unstable geologic unit or soil; soil erosion or loss of topsoil; and soils incapable of supporting septic tanks.

g. Greenhouse Gas Emissions

Based on the analysis presented in the Draft Initial Study (see page 54), the proposed Project, which includes LRDP EIR PP 4.15-1, would have a less than significant impact for the following greenhouse gas issues: generation of significant direct or indirect greenhouse gas emissions and conflict with applicable plans or regulations.

h. Hazards and Hazardous Materials

Based on the analysis presented in the Draft Initial Study (see page 63), the proposed Project, which includes PP 4.6 1 and PP 4.6-4 would have a less than significant impact or no impact for the following hazards and hazardous materials issues: create a significant hazard through the routine transport, use or disposal of hazardous materials; create a significant hazard through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment; hazardous conditions within one-quarter mile of an existing or proposed school; located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 creating a significant hazard; hazard from a public or private air strip (Ronald Reagan–UCLA Medical Center helipad); impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan; and wildland fires.

i. Hydrology and Water Quality

Based on the analysis presented in the Draft Initial Study (see page 72),the proposed Project, which includes of LRDP PP 4.7-1, PP 4.7-5, and MM 4.7-1, would have a less than significant or no impact for the following hydrology and water quality issues: violate or degrade any water quality standards or waste discharge requirements; deplete groundwater supplies; alter drainage patterns (resulting in erosion, siltation, flooding); exceed the capacity of storm drainage system or provide additional sources of polluted runoff; place structures in a 100-year flood hazard area; failure of dam or levee; and inundation by seiche, tsunami, or mudflow.

j. Land Use and Planning

Based on the analysis presented in the Draft Initial Study (see page 80), the proposed Project, which includes LRDP PP 4.8-1 (c, d, and e) would have a less than significant impact or no impact for the following land use and planning issues: physically dividing an established community; conflict with any applicable land use plan, policy or regulation of an agency with jurisdiction over the project; conflict with applicable habitat conservation/community plans; and any other land use impacts.

k. Mineral Resources

Based on the analysis presented in the Initial (see page 92), the proposed Project would result in no impact to mineral resources.

l. Noise

Based on the analysis presented in the Draft Initial Study (see page 92), the proposed Project, which includes LRDP PP 4.9-2, PP 4.9-6 (a), PP 4.9-7 (a through d), and MM 4.9-2, would have a less than significant impact or no impact for the following noise issues: exposure of person to noise levels in excess of applicable standards or ordinances; exposure of persons to excessive groundborne vibration or groundborne noise levels; create a substantial permanent increase in ambient noise levels; be located in an airport land use plan area; and locate the project within the vicinity of a private airstrip.

m. Population and Housing

Based on the analysis presented in the Draft Initial Study (see page 100), the proposed Project would result in no increase in student enrollment at UCLA beyond that anticipated by the 2002 LRDP, as amended in 2009. Also, the proposed Project would result in a minor increase in UCLA faculty that is within the anticipated growth for academic employees as analyzed in the 2002 LRDP, as amended in 2009. Accordingly, the proposed Project would have no impact on population and housing.

n. Public Services

Based on the analysis presented in the Draft Initial Study (see page 101), the proposed Project, which includes LRDP PP 4.11-1 and PP 4.11-2(a) would have no impact related to fire protection, police protection, schools, parks, or other public facilities.

o. Recreation

Based on the analysis presented in the Initial Study (see page 105), the proposed Project, which includes LRDP PP 4.12-1 (a and b), would have a less than significant impact or no impact from potential increased use, construction, or expansion of recreational facilities.

p. Transportation/Traffic

Based on the analysis presented in the Draft Initial Study (see page 108), the proposed Project, which includes LRDP PP 4.13-1 (a, b, and d), PP 4.13-2, PP 4.13-5, PP 4.13-6, PP 4.13-8, and MM 4-13-11, would have a less than significant impact or no impact for the following transportation/traffic issues: conflict with an applicable transportation plan, ordinance or policy; conflict with an applicable congestion management program; result in a change in air traffic patterns; hazards due to a design feature; emergency access; and conflict with adopted policies, plans or programs supporting alternative transportation.

q. Utilities and Service Systems

Based on the analysis presented in the Draft Initial Study (see page 116), the proposed Project, which includes LRDP PP 4.14-2 (a through d, f, and g), PP 4.14-3, 4.14-5, and PP 4.14-9, would have a less than significant impact or no impact for the following utilities and service systems issues: exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board; construction of new or expansion of existing water or wastewater treatment facilities; resulting in inadequate wastewater treatment capacity; require new stormwater drainage facilities; sufficient water supplies from existing entitlements; sufficient landfill capacity; compliance with solid waste regulations; and other utility service systems.

D. Additional Findings

1. These Findings incorporate by reference in their entirety the text of the Mitigated Negative Declaration, the Draft, and Final Initial Study prepared for the Project; the 2009 LRDP Amendment; the LRDP EIR Mitigation Monitoring Program; and Findings adopted by The Regents in connection with its approval of the 2009 LRDP Amendment and LRDP EIR. Without limitation, this incorporation is intended to elaborate on the scope and nature of the Project, related mitigation measures, and the basis for determining the significance of such impacts.

2. All of the environmental effects of the Project have been adequately addressed in prior environmental documentation and: (1) have been mitigated or avoided, or (2) have been examined at a sufficient level of detail in the prior environmental documentation to enable those effects to be mitigated or avoided by site specific revisions, the imposition of conditions, or by other means in connection with the approval of the Project.

3. CEQA requires the Lead Agency approving a Project to adopt a monitoring program for changes to the Project that it adopts or makes a condition of Project approval in order to ensure compliance during Project implementation. The proposed Project requires one project-specific mitigation measure and incorporates the continued implementation of PPs and MMs contained in the LRDP EIR Mitigation Monitoring Program that were determined applicable to the Project as described above. In this regard, the one identified Project-specific mitigation measures and all relevant LRDP EIR PPs and MMs identified in the Mitigated Negative Declaration included as part of the Engineering VI - Phase 2 Project will be monitored pursuant to the LRDP EIR monitoring program previously adopted by The Regents in connection with its approval of the LRDP EIR.

4. Various documents and other materials constitute the record of proceedings upon which The Regents bases its findings and decisions contained herein. Most documents related to this Project are located at UCLA Capital Programs, located at 1060 Veteran Avenue, Los Angeles, CA 90095. The record of proceedings for the approval of the LRDP EIR and the custodian for the documents are also located at Capital Programs.

III. SUMMARY OF PROPOSED ACTIONS

Based on the foregoing, The Regents intends to take the following actions:

- Adopt the Final Initial Study/Mitigated Negative Declaration for the Project as described in Section I, above;
- Require all Project elements, including applicable LRDP PPs and MMs, and a project-specific mitigation measure identified in the Initial Study to be implemented;
- Adopt the Findings in their entirety as set forth in Section II, above; and
- Approve the design of the Engineering VI - Phase 2 Project for the UCLA Campus.