



University of California Riverside

Environmental Health & Safety
Expansion (Project #950456),
Parking Lot 27 (Project #956452),
and Related Corporation Yard
Reorganization and Existing EH&S
Buildings Re-Use

Final Environmental Impact Report
SCH NO. 2011061014
EIR Summary

Prepared for
University of California, Riverside
Capital Programs
Capital Resource Management

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INTRODUCTION TO TIERED EIR

This EIR is tiered from the UCR 2005 Long Range Development Plan (LRDP) EIR (SCH 2005041164) as supplemented and updated by the UCR 2005 LRDP Amendment 2 EIR (SCH 2010111034) in accordance with Sections 15152 and 15183 of the *State CEQA Guidelines* and Public Resources Code Section 21094. As defined in *State CEQA Guidelines* Section 15152, a Tiered Project EIR evaluates a specific project that is covered by a certified Program EIR. General information, cumulative analyses, etc., from the Program EIR are summarized or incorporated by reference so that the Tiered Project EIR can focus on project-specific issues. This tiering facilitates the environmental review of development proposals that are approved, constructed, or implemented at UCR. The 2005 LRDP EIR, as supplemented and updated by the 2005 LRDP Amendment 2 EIR (2011), is intended to serve as the primary environmental document for all future entitlements associated with implementation of the LRDP. This project-level EIR discusses the impacts of the project and, for significant impacts, identifies mitigation measures that would reduce the impacts to less-than-significant levels. The EIR also presents alternatives to the project that should be considered when making the decision to approve the project.

PROJECT DESCRIPTION

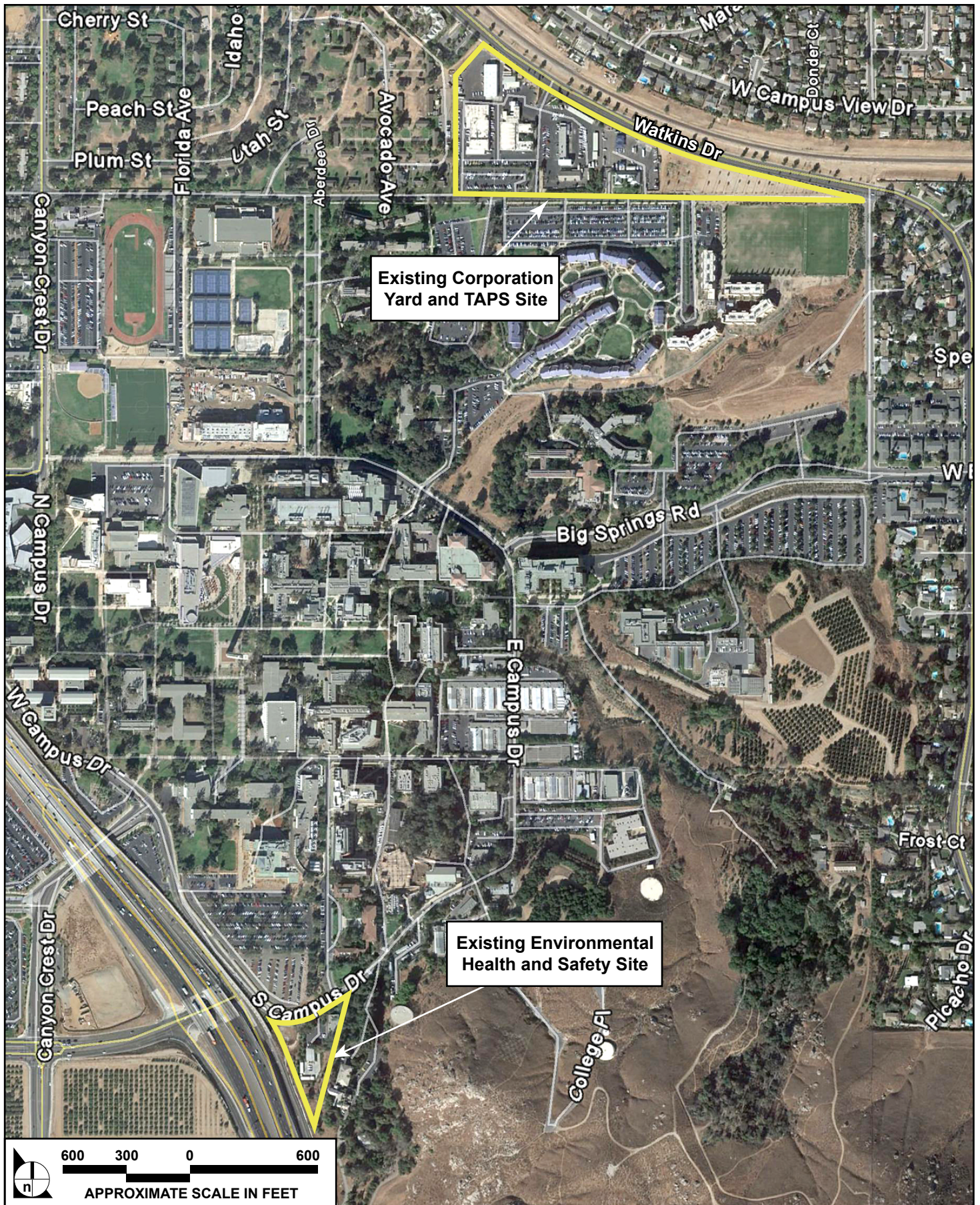
The proposed EH&S Expansion project includes construction of a new single-story EH&S building that would allow UCR to relocate the EH&S functions from their present location in the southeast area of the UCR campus to a location near the northeast corner of the campus. **Figure ES-1, Project Location**, shows the proposed project location in the context of the UCR campus. The building would include approximately 27,265 gross square feet (gsf) of space, including about 18,674 assignable square feet (asf). The west wing of the building would be about 30 feet high and the east wing would be about 22 feet high. Uses would include administrative/office space, a safety learning center, laboratories, and materials handling and storage space for chemical, radiation, biomedical, and universal waste and building support services. Outside yard areas would house specialized storage containers and provide secure materials handling access. Access to the EH&S Expansion facility would be from Linden Street, on the campus side of the facility. The pedestrian entrance for employees and visitors would face Linden Street and would be through a secure entry. The main vehicle entry and exit would be from Linden Street via a secure gate, and all daily campus waste pickup vehicles and periodic deliveries would use this entrance. A secured gate and driveway connecting to Watkins Drive would be provided for limited, occasional use by contracted licensed certified commercial waste off-haul trucks.

A new parking lot, Parking Lot 27, would be built at the east end of the proposed EH&S Expansion site to jointly serve the EH&S Expansion facility and the adjacent recreational fields. Approximately 50 parking spaces would be provided. Access to the lot would be via a driveway connecting to Linden Street. **Figure ES-2, Proposed EH&S Expansion Site Plan**, shows the proposed site plan of the EH&S Expansion and Parking Lot 27 projects.

PROJECT OBJECTIVES

Key objectives of the proposed projects are to:

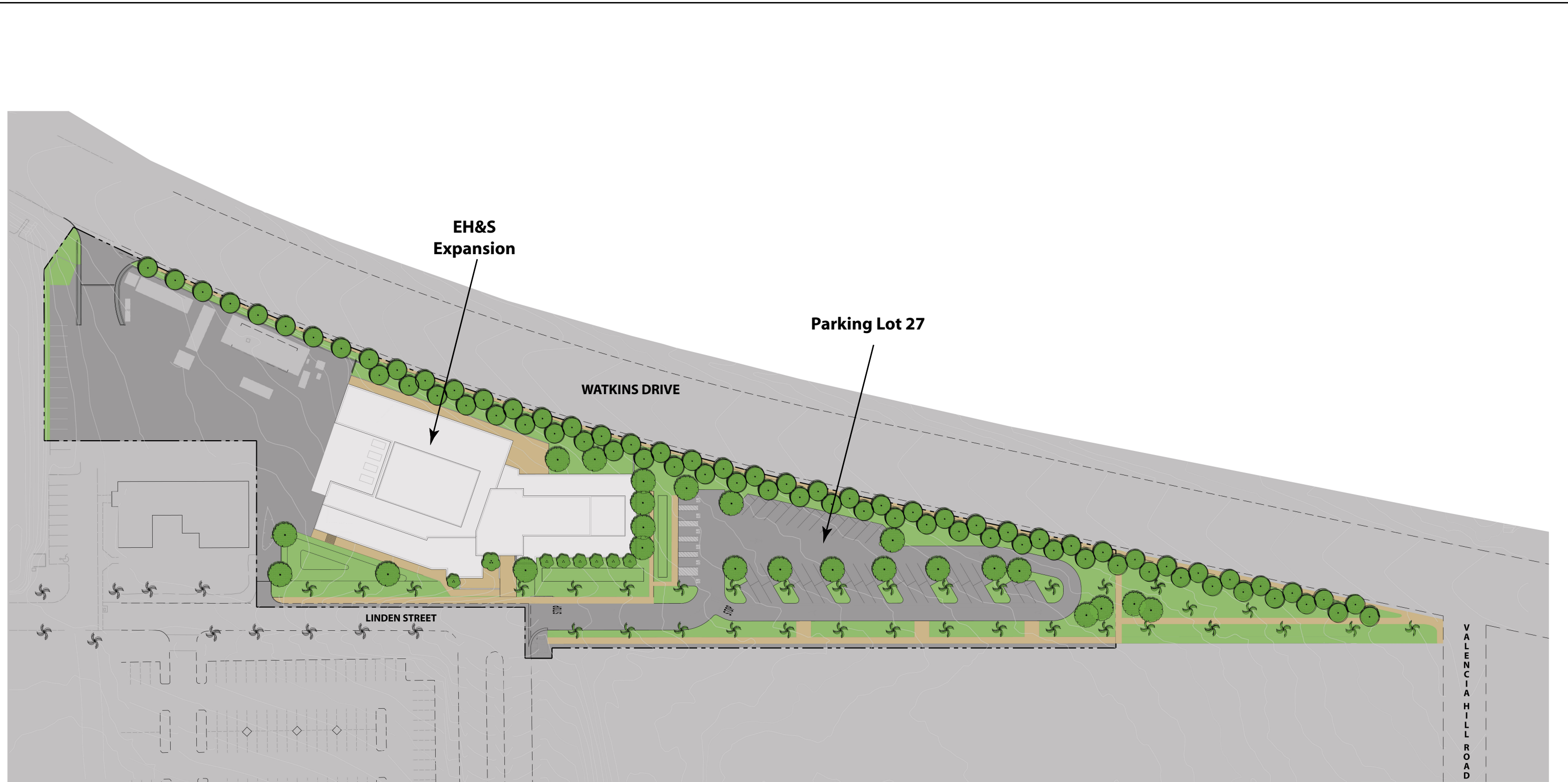
- Provide a long-term, consolidated campus facility for all EH&S functions through the 2020-2021 LRDP planning horizon, including office space for 30 full-time equivalent (FTE) employees, laboratory space for analysis of waste characteristics, meeting rooms and facilities for safety training seminars, record keeping and preparation of hazardous materials assessments and manifests, and mitigation (reduction of hazardous characteristics of waste), collection and storage facilities, and processing areas for transport.
- Provide a building that will facilitate the critical services EH&S provides to the research, training, and administration community at UCR.
- Construct a building that is a model of environmental sustainability and in compliance with all state and federal health and safety standards.
- Provide a limited amount of nearby parking for EH&S staff and visiting regulators.
- Implement Planning Strategy Land Use 7, which calls for the Campus to relocate parking from central campus locations to the periphery of the academic core and replace surface parking with structures, where appropriate.
- Provide a facility proximate to on-campus generators to enable safe transport from generators to the EH&S facility in accordance with state and federal regulations, while ensuring access to off-campus haul routes.
- Consolidate and relocate Printing & Reprographic Services (P&R) and Mail Services into a single location that will better serve campus needs. P&R Services are currently located at an off-campus site; this program would better serve the campus at an on-campus location and equipment efficiency would be achieved by consolidating operations with Mail Services.
- Consistent with campus planning principles, locate and design the proposed projects to represent optimal investment of land and capital in the future of the campus and to maximize and efficiently use available developable space on campus.



SOURCE: Google Earth – November 2009, Impact Sciences, Inc. – May 2011

FIGURE **ES-1**

Project Location



 NOT TO SCALE

SOURCE: HDR - June 2011

FIGURE **ES-2**

Proposed EH&S Expansion Site Plan

IMPACT SUMMARY

A detailed discussion regarding potential impacts is provided in **Section 4.0, Environmental Impact Analysis**, of the Draft EIR. In accordance with the *State CEQA Guidelines*, a summary of the projects' impacts is provided in **Table ES-1, Summary of Impacts and Mitigation Measures**, presented at the end of this document. Approval and adoption of the proposed projects could result in potentially significant environmental impacts related to noise and traffic. Some significant impacts would be reduced to less than significant levels through incorporation of mitigation measures. However, the projects would have residual significant impacts with regard to construction and cumulative operational noise. With the exception of cumulative operational noise, all other cumulative impacts would be less than significant.

ALTERNATIVES TO THE PROPOSED PROJECT

The alternatives evaluated in this EIR focus on avoiding or further reducing potentially significant project-level and cumulative impacts. Project alternatives evaluated in this EIR include the following:

Alternative 1: No Project. Under the No Project Alternative, the proposed EH&S Expansion and Parking Lot 27 projects would not be built and the related projects (Corporation Yard reorganization and EH&S facility reuse) would not occur. The existing EH&S facility would remain in use and the functions at the Corporation Yard and the off-campus Printing & Reprographics operations would remain in their current locations. However, given the land use designation of *Campus Support* for the proposed project site, development of the project site with campus support uses could still occur, which could result in impacts generally similar to those from the proposed projects.

Alternative 2: MLK/Canyon Crest Site: Under this alternative, the proposed EH&S Expansion would be constructed at the northeast corner of Martin Luther King Boulevard (MLK) and Canyon Crest Drive, adjacent to the I-215/SR-60 freeway. This site was formerly designated for development of the facility through an amendment to the 2005 LRDP approved in 2008; it is currently designated for *Parking* based on an amendment to the 2005 LRDP approved in 2011. It was assumed for the purpose of this analysis that parking for EH&S facility staff would be provided on site as part of this alternative, and that Parking Lot 27 would still be built at its proposed location to serve overall campus needs, as well as the adjacent recreational fields. Because the EH&S Expansion facility would not be on the proposed project site, this alternative would not require use of the TAPS yard for the EH&S functions and would not require the reorganization of the Corporation Yard. However, the related Corporation Yard reorganization project is still needed and would be implemented by the Campus, and therefore it is assumed that it would occur in the future as part of this alternative. The related project to reuse the existing EH&S facility would remain unchanged under this alternative.

The Alternative 2 site consists of the northern portion of a vacant 6-acre site that was previously used as a construction lay-down area by Caltrans during freeway improvements. The site is bordered by the freeway to the northeast, Parking Lot 30 across Canyon Crest Drive to the west, and campus-owned agricultural fields across MLK to the south. As noted above, the site is designated for parking uses under the 2005 LRDP as amended in 2011, and development of the proposed EH&S Expansion project would require an amendment to the amended 2005 LRDP.

Alternative 3: Parking Lot 13: Under this alternative, the proposed EH&S Expansion facility would be constructed on the site of the existing Parking Lot 13 south of Big Springs Road near the eastern edge of the East Campus. Parking Lot 13 has a total area of about 8 acres. The EH&S Expansion would occupy approximately 3 acres in the western portion of the parking lot and the rest of the parking lot would remain unchanged. For the purpose of this analysis, it was assumed that EH&S facility staff and visitors would park in the unaffected portion of Parking Lot 13. Under this alternative, Parking Lot 27 would still be built on the proposed project site and would serve overall campus needs, as well as the adjacent recreational fields. Because the EH&S Expansion facility would not be on the proposed project site, this alternative would not require use of the TAPS yard for the EH&S functions and would not require the reorganization of the Corporation Yard. However, the related Corporation Yard reorganization is still needed and would be implemented by the Campus, and therefore it is assumed that it would occur in the future as part of this alternative. The related project to reuse the existing EH&S facility would remain unchanged under this alternative.

The alternative site is located in an area of the East Campus that is developed with academic and student residential uses. Adjacent buildings include the Salinity Laboratory to the south, the Chemical Sciences building to the west, student residences and parking to the north, and campus-owned orchards to the southeast. Off-campus single- and multi-family residences are located at the eastern end of Parking Lot 13. The site is designated for *Academic* uses under the 2005 LRDP (as amended). Campus support facilities, such as an EH&S facility, are an allowable use in areas designated Academic under the 2005 LRDP.

Other alternatives, including several alternative sites (Southwest Corner of University Avenue and West Campus Drive, Greenhouses Area, Agricultural Operations Area, Parking Lot 6, and Substation Site), were considered but not carried forth for detailed evaluation because they did not meet project objectives or were found to be infeasible for technical, environmental, or social reasons.

Detailed descriptions of the three alternatives evaluated in detail and their comparative merits are presented in **Section 6.0** of the Draft EIR. **Table ES-2, Summary Comparison of Project Alternatives,**

which follows **Table ES-1**, presents a comparison of the environmental impacts of each alternative to those that are expected to result from the proposed projects.

Alternative 2 (the MLK/Canyon Crest Site Alternative) would slightly reduce the proposed projects' significant impacts related to noise and traffic. However, it would have a significant and unavoidable land use impact that would be greater than that of both the proposed projects and Alternative 3. For this reason, and because Alternative 3 would meet most of the project's objectives, it was identified as the Environmentally Superior Alternative.

AREAS OF CONTROVERSY

This EIR addresses environmental issues associated with the proposed projects that are known to the lead agency or were raised by other public agencies or interested parties during the EIR scoping process. Known areas of controversy surrounding the projects stem from the site's proximity to an off-campus residential neighborhood. Residents of the area east of the project site have expressed concern with the general compatibility of the projects with the off-campus neighborhood, and more specifically with impacts related to noise, traffic, and handling and transport of hazardous materials. During the scoping period, a public meeting was held on July 6, 2011, to solicit comments on the scope of the EIR from interested agencies, individuals, and organizations. Issues raised in the scoping comments received by UCR included the potential for air quality impacts; the potential for toxic fumes or odors to be released from the facility; risks associated with transportation of hazardous materials; potential impacts related to placement of the facility near the UCR Child Development Center and residential uses; the potential for impacts to water quality in the event of an accidental spill of hazardous materials; compatibility of the proposed EH&S Expansion facility with nearby sensitive receptors, including neighboring residences and the child care center; and noise from vehicles.

PUBLIC REVIEW OF THE DRAFT EIR

UCR prepared a Draft EIR for the project and circulated the document for a 45-day public review period commencing December 9, 2011, and ending February 23, 2012. Notification included circulation through the Governor's Office of Planning and Research State Clearinghouse, posting with the Riverside County Clerk, and direct mailing to agencies and individuals. During the public review period, UCR received eight comment letters from agencies and individuals. Agencies commenting on the Draft EIR included the City of Riverside. The remaining comment letters were submitted by individuals residing in the off-campus area east of the project site. No comments were received at the public hearing held on January 11, 2012. Pursuant to Section 15088 of the *State CEQA Guidelines*, UCR has reviewed all comments received on the Draft EIR, and has prepared responses to these comments that are provided in Section 3.0 of the Final EIR.

**Table ES-1
Summary of Impacts and Mitigation Measures**

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
4.1 Aesthetics				
Impact 4.1-1				
Implementation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not substantially degrade the visual character or quality of the campus and the immediate surrounding area.	Less than significant	PS Open Space 4 PS Campus & Community 1 PP 4.1-1 PP 4.1-2(a)	No mitigation is required.	Less than significant
Impact 4.1-2				
Implementation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area.	Less than significant	PP 4.1-1 PP 4.1-2(a) MM 4.1-3(a) MM 4.1-3(b)	No mitigation is required.	Less than significant
Impact 4.1-3				
Cumulative development, including the proposed EH&S Expansion, Parking Lot 27, and related projects, would not substantially degrade the visual character or quality of the campus and the immediate surrounding area. The contribution of the proposed projects to this cumulative impact would not be cumulatively considerable.	Less than significant	None identified.	No mitigation is required.	Less than significant
4.2 Air Quality				
Impact 4.2-1				
Construction of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not result in construction emissions that violate an air quality standard or contribute substantially to an existing or projected air quality violation.	Less than significant	PP 4.3-2(a) PP 4.3-2(b) PP 4.3-2(c)	No mitigation is required.	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.2-2				
Operation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not result in operational emissions that would violate an air quality standard or contribute substantially to an existing or projected air quality violation.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.2-3				
Implementation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not expose sensitive receptors to substantial concentrations of carbon monoxide.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.2-4				
Development of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not expose sensitive receptors to substantial concentrations of pollutants that exceed the localized significance thresholds.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.2-5				
Development of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not expose sensitive receptors to substantial concentrations of toxic air contaminants.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.2-6				
Development of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not create objectionable odors that could affect a substantial number of people.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.2-7				
Implementation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not conflict with or obstruct implementation of the applicable air quality plan.	Less than significant	None identified.	No mitigation is required.	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.2-8				
Development of the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not result in a cumulatively considerable net increase of a criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard.	Less than significant	None identified.	No mitigation is required.	Less than significant
4.3 Greenhouse Gas Emissions				
Impact 4.3-1				
Construction and operation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would generate GHG emissions both directly and indirectly. However, the emissions would not result in a significant impact on the environment.	Less than significant	PP 4.3-2(a)	No mitigation is required.	Less than significant
Impact 4.3-2				
The EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.	Less than significant	None identified.	No mitigation is required.	Less than significant
4.4 Hazards and Hazardous Materials				
Impact 4.4-1				
Implementation of the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects would not expose campus occupants or the public to significant hazards due to the routine transport, use, disposal, or storage of hazardous materials (including chemical and radioactive waste).	Less than significant	PP 4.7-1 PP 4.7-2 PP 4.7-3 PP 4.7-4	No mitigation is required.	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.4-2				
Implementation of the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects 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.	Less than significant	PP 4.7-7(a) PP 4.7-7(b) MM 4.7-7(a) MM 4.7-7(b)	MM 4.4-2: EH&S staff shall provide all drivers removing hazardous materials or hazardous waste from the EH&S Expansion facility with printed directions clearly indicating the mandated haul route, exiting the EH&S Expansion facility left onto Watkins Drive and proceeding northwest to Blaine Street, then west on Blaine to the I-215/SR-60 freeway entrance ramps.	Less than significant
Impact 4.4-3				
Implementation of the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects could emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.	Less than significant	PP 4.7-1	No mitigation is required.	Less than significant
Impact 4.4-4				
Cumulative development, including the EH&S Expansion and, Parking Lot 27 (proposed projects) and the related projects, would not expose the public to significant hazards, due to the transport, use, disposal, or storage of hazardous materials (including chemical and radioactive waste) under routine and accident or upset conditions or due to the project's location within one-quarter mile of a school.	Less than significant	None identified.	No mitigation is required.	Less than significant
4.5 Hydrology and Water Quality				
Impact 4.5-1				
Implementation of the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not violate any water quality standards or waste discharge requirements.	Less than significant	PP 4.8-1	No mitigation is required.	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.5-2				
Implementation of the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not provide substantial additional sources of polluted runoff.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.5-3				
Cumulative development, including the proposed EH&S Expansion and Parking Lot 27, would not create a significant cumulative impact on water quality.	Less than significant	None identified.	No mitigation is required.	Less than significant
4.6 Land Use and Planning				
Impact 4.6-1				
Implementation of the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would be consistent with the on-campus land use designations. These uses would not be substantially incompatible with existing or proposed adjacent land uses on and off campus.	Less than significant	PS Land Use 7 PS Open Space 4 PS Campus & Community 1 PS Transportation 6 PS Development Strategy 1 PP 4.9-1(a) PP 4.9-1(b)	No mitigation is required.	Less than significant
Impact 4.6-2				
Implementation of the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not conflict with a land use plan, policy, or regulation of a local agency.	Less than significant	None identified.	No mitigation is required.	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.6-3				
Cumulative development, including the EH&S Expansion, Parking Lot 27, and related projects, would not result in the development of land uses that are substantially incompatible with existing or planned land uses adjacent to the campus. The contribution of the proposed campus development to this cumulative impact would not be cumulatively considerable.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.6-4				
Cumulative development, including the EH&S Expansion, Parking Lot 27, and related projects, would not conflict with an applicable land use plan, policy, or regulation of an agency with jurisdiction over the development. The contribution of the proposed projects to this cumulative impact would not be cumulatively considerable.	Less than significant	None identified.	No mitigation is required.	Less than significant
4.7 Noise				
Impact 4.7-1				
Implementation of the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects would generate some additional traffic on local streets, but would not expose on and off-campus sensitive land uses to traffic-related noise levels in excess of the applicable noise standards or cause a substantial permanent increase in noise levels at on- or off-campus locations.	Less than significant	PP 4.10-5(b)	No mitigation is required.	Less than significant
Impact 4.7-2				
Implementation of the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects would add new area and stationary-source noise, but would not cause a substantial permanent increase in ambient noise levels on- or off-campus.	Less than significant	PP 4.10-1(b) PP 4.10-6 PS Campus and Community 1	No mitigation is required.	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.7-3				
Construction of the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects could result in substantial temporary or periodic increases in ambient noise levels at certain sensitive uses in the project vicinity.	Significant	PP 4.10-7 (a) PP 4.10-7 (b) PP 4.10-7 (c) PP 4.10-7 (d) PP 4.10-8	No additional mitigation is feasible.	Significant and unavoidable
Impact 4.7-4				
Construction associated with the proposed EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would not expose persons on- or off-campus to excessive groundborne vibration levels.	Less than significant	PP 4.10-2 MM 4.10-2	No mitigation is required.	Less than significant
Impact 4.7-5				
Cumulative development, including the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects, would cause a significant cumulative impact related to substantial permanent increases in ambient noise levels. The contribution of the proposed projects and related projects to this cumulative impact would be cumulatively considerable.	Significant	None identified.	No mitigation is feasible.	Significant and unavoidable
Impact 4.7-6				
Cumulative development, including construction of the EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects, would cause a significant cumulative impact related to temporary or periodic increase in ambient noise levels or groundborne vibration. The contribution of the proposed projects and related projects to this cumulative impact would be cumulatively considerable.	Significant	PP 4.10-7 (a) PP 4.10-7 (b) PP 4.10-7 (c) PP 4.10-7 (d) PP 4.10-8	No additional mitigation is feasible.	Significant and unavoidable

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
4.8 Transportation and Traffic				
Impact 4.8-1				
Implementation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would result in additional or rerouted vehicular trips which would increase traffic volumes but would not degrade intersection levels of service under existing conditions.	Less than significant	None identified.	No mitigation is required.	Less than significant
Impact 4.8-2				
Implementation of the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects would result in the generation of construction related vehicle trips that would not substantially affect traffic conditions at the study intersections.	Less than significant	None identified.	<p>MM 4.8-2: Prior to commencement of construction, the construction contractor shall prepare a traffic control plan for the project and submit it to the UCR Office of Architects & Engineers and Capital Resource Management for approval. Preparation of and compliance with the traffic control plan shall be included as a condition of all construction contracts. The traffic control plan shall include the following:</p> <p>(1) The plan shall specify the truck route to be taken by construction contractors for travel between the project site and I-215/SR-60 freeway. No construction traffic shall be allowed to travel east of the project site on Watkins Drive or southward onto Big Springs Road.</p>	Less than significant

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.8-2 (continued)				
			<p>(2) As part of its review of the traffic control plan, the UCR Office of Architects & Engineers and Capital Resources Management will consult with UCPD, EH&S, RFD, and RPD, as appropriate, to disclose roadway closures and identify alternative travel routes, if necessary. The UCR Office of Architects & Engineers and Capital Resource Management will consult with the City Public Works Department to obtain its concurrence regarding the adequacy of traffic control along off-campus roads. The traffic control plan shall identify lane closures, show the limits of construction work, areas with temporary restriping of lanes and crosswalks, flagging operations, signage, alternate routes, and other actions necessary to maintain safe traffic conditions for vehicles, bicyclists, and pedestrians. Any lane closures specified in the traffic control plan will be announced on UCR's web site (www.community.ucr.edu).</p>	

Environmental Topic and Impact	Level of Significance before Mitigation	2005 LRDP PPs, PSs, and Mitigation Measures	Mitigation Measures	Level of Significance after Mitigation
Impact 4.8-3				
Cumulative development, including the EH&S Expansion, Parking Lot 27 (proposed projects), and related projects, would not result in significant cumulative traffic impacts on city roadways between the project sites and the freeway.	Less than significant	MM 4.14-1(b) MM 4.14-1(c)	No mitigation is required.	Less than significant
Impact 4.8-4				
Concurrent construction of the EH&S Expansion and Parking Lot 27 (proposed projects), related projects, and other projects near the project site could result in significant cumulative traffic impacts on off-campus roadways. With implementation of MM 4.8-2 , the proposed projects' and related projects' contribution to the cumulative impact would not be cumulatively considerable.	Less than significant	PP 4.14-2 PP 4.14-5	Implement MM 4.8-2 . No additional mitigation is required.	Less than significant

**Table ES-2
Summary Comparison of Project Alternatives**

	Proposed Project Impact (Significant Before Mitigation)	No Project Alternative	MLK/Canyon Crest Site¹	Parking Lot 13
4.7-3	Construction of the proposed EH&S Expansion and Parking Lot 27 (proposed projects) and the related projects could result in substantial temporary or periodic increases in ambient noise levels at certain sensitive uses in the project vicinity.	Impact Less than Proposed Projects	Impact Less than Proposed Projects	Impact Equal to Proposed Projects
4.7-5	Cumulative development, including the proposed EH&S Expansion and Parking Lot 27 project and related projects, would cause a significant cumulative impact related to substantial permanent increases in ambient noise levels. The contribution of the proposed projects and related projects to this cumulative impact would be cumulatively considerable.	Impact Less than Proposed Projects	Impact Less than Proposed Projects	Impact Equal to Proposed Projects
4.7-6	Cumulative development, including construction of the proposed EH&S Expansion and Parking Lot 27 project and related projects, would cause a significant cumulative impact related to temporary or periodic increase in ambient noise levels or groundborne vibration. This impact would be significant. The contribution of the proposed projects and related projects to this cumulative impact would be cumulatively considerable.	Impact Less than or Equal to Proposed Projects	Impact Less than Proposed Projects	Impact Equal to Proposed Projects

Note:

¹ *Alternative 2, the MLK/Canyon Crest Site Alternative, would have a significant and unavoidable land use impact that would be greater than that of the proposed projects or Alternative 3.*