

UNIVERSITY OF WASHINGTON LIFE SCIENCES BUILDING PROJECT

Final Supplemental Environmental Impact Statement



UNIVERSITY OF WASHINGTON

September 2015

FINAL

SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT

for the

UNIVERSITY of WASHINGTON

Life Sciences Building Project

University of Washington

Capital Projects Office

The Final Supplemental EIS (Final SEIS) for the University of Washington *Life Sciences Building Project* has been prepared in compliance with the State Environmental Policy Act (SEPA) of 1971 (Chapter 43.21C, Revised Code of Washington); the SEPA Rules, effective April 4, 1984, as amended (Chapter 197-11, Washington Administrative Code); and rules adopted by the University of Washington implementing SEPA (478-324 WAC). Preparation of this Final SEIS is the responsibility of the University's Capital Projects Office. The Capital Projects Office and the University's SEPA Advisory Committee have determined that this document has been prepared in a responsible manner using appropriate methodology and they have directed the areas of research and analysis that were undertaken in preparation of this Final SEIS. This document is not an authorization for an action, nor does it constitute a decision or a recommendation for an action; in its final form, it will accompany the *Proposed Action* and will be considered in making the final decisions on the proposal.

Date of Draft SEIS Issuance July 2, 2015

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Laboratory, and Plant Laboratory Annex buildings) would remain. The Life Sciences Program would continue to utilize their existing facilities (including Kincaid Hall, Hitchcock Hall, and Johnson Hall) and could experience capacity and facility deficiencies in the near future.

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PURPOSE OF THIS SEIS

This SEIS supplements the *2003 University of Washington Master Plan-Seattle Campus EIS (CMP-Seattle 2003)*. This SEIS provides supplemental environmental analysis of environmental issues associated with the proposed *Life Sciences Building Project* that were not analyzed in the *CMP-Seattle 2003 EIS*.

This SEIS is intended to address the potential for significant adverse environmental impacts that could occur as a result of the Proposed Action. The SEPA environmental review process is designed to be used along with other decision-making factors to provide a comprehensive review of the proposal (WAC 197-11-055). The purpose of SEPA is to ensure that environmental values are given

appropriate deliberation, along with other considerations.

FINAL ACTION

The decision by the Board of Regents, after consideration of environmental impacts and mitigation, to approve the project and authorize award of the General Contractor/Construction Manager (GC/CM) contract by the Capital Projects Office.

PERMITS AND APPROVALS

Preliminary investigation indicates that the following permits and/or approvals could be required or requested for the Proposed Actions. Additional permits/approvals may be identified during the review process associated with specific development projects.

University of Washington

- Project Approval, design approvals, authorization to prepare contract documents, and authorization to Call-for-Bids.

Agencies with Jurisdiction

- ***State of Washington***
 - Dept. of Labor and Industries
 - Dept. of Ecology, Construction Stormwater General Permit
- ***City of Seattle***
 - Master Use Permit
 - Grading Permit
 - Shoring Permit
 - Building Permits
 - Electrical Permits
 - Mechanical Permits
 - Occupancy Permits
 - Comprehensive Drainage Control Plain, Inspection and Maintenance Schedule
 - Construction Stormwater Control Plan Approvals
- ***Seattle-King County Department of Health***
 - Plumbing Permits

- **Puget Sound Clean Air Agency**
 - Demolition and Asbestos Notification

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**PREVIOUS ENVIRONMENTAL
DOCUMENTS**

Per WAC 191-11-635, this SEIS incorporates by reference the following environmental document:

- University of Washington Master Plan-
Seattle Campus EIS (2003)

**LOCATION OF BACKGROUND
INFORMATION**

Background material and supporting documents are located at the office of:

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**DATE OF FINAL SEIS
ISSUANCE**

September 4, 2015

AVAILABILITY OF THE DRAFT AND FINAL SEIS

The Draft and Final SEIS has been distributed to agencies, organizations and individuals noted on the Distribution List contained in **Appendix A** to this document. Copies of the Draft and Final SEIS are also available for review at the University's Capital Projects Office (University Facilities Building), on the University's Online Public Information Center (<http://f2.washington.edu/cpo/university-washington%E2%80%99s-sepa-online-public-information-center-0>), and at the following University and Seattle Public Libraries:

University of Washington

- Suzzallo Library
- Architecture and Urban Planning (Gould Hall)

Seattle Public Libraries

- Downtown Central Library (1000 Fourth Avenue)
- University District Branch (5009 Roosevelt Way NE)
- Montlake Branch (2300 24th Avenue E)

A limited number of copies of this Final SEIS are available at the University's Facilities Building while the supply lasts. Additional copies may be purchased at the University's Facilities Building for the cost of reproduction.

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Summary

CHAPTER 1

SUMMARY

1.1 INTRODUCTION

This chapter provides a summary of the Supplemental Environmental Impact Statement (SEIS) for the University of Washington *Life Sciences Building Project*. **Chapter 1** briefly describes the Proposed Action (Alternative 1) and Alternative 2 (No Action Alternative), and contains a comprehensive overview of environmental impacts identified for the Proposed Action and alternatives. The environmental impacts summarized in this chapter of the Finale SEIS are based on the detailed environmental analysis contained in Chapter 3 of the Draft EIS. Please see **Chapter 2** of this Final SEIS for a more detailed description of the Proposed Actions and alternatives and **Chapter 3** of this Final SEIS for the comment letters received on the Draft SEIS and responses to those comment letters.

The University of Washington's Life Sciences Program is one of the most popular undergraduate degree programs and contributes significantly to the University's ability to fulfill its primary mission of the preservation, advancement and dissemination of knowledge. The Life Sciences Program is housed in a number of buildings on campus, including Kincaid Hall, Johnson Hall, Hitchcock Hall, the Botany Greenhouse, the Physics Astronomy Auditorium Basement, and the Plant Laboratory. The proposed *Life Sciences Building Project* would provide additional academic space to meet the current and future needs of the Life Sciences Program, as well as provide new, modern research and instructional areas that would allow the department to recruit top-notch faculty and fulfill the undergraduate student demand.

For the purposes of environmental review, two alternatives (Alternative 1 – Proposed Action and Alternative 2 – No Action Alternative) are analyzed in the SEIS.

Alternative 1 – Proposed Action

Location

Under Alternative 1, the proposed *Life Sciences Building Project* would be located in the south portion of the Central Campus area and on the site of the existing Botany Greenhouse, Plant Laboratory, and Plant Laboratory Annex buildings. The site is generally bounded by Stevens Way NE to the north, vegetated areas adjacent to Garfield Place NE to the east, the Burke Gilman Trail to the south, and Kincaid Hall to the west. The building would be directly adjacent to Kincaid Hall (and would include a tunnel connection between the buildings) and would be in direct proximity to Hitchcock Hall to allow collaboration with the existing Life Sciences Program spaces.

Design Concept

The design of the *Life Sciences Building Project* under Alternative 1 is intended to accommodate the specific requirements of the Life Sciences Program and the Department of Biology and allow flexibility for the existing and future needs of the program. The proposed design would create new, state of the art academic space, and provide new modern research and instructional areas that would allow the Life Sciences Program to continue to recruit top-notch faculty and fulfill the undergraduate student demand.

The design of the proposed building includes seven levels (including two basement levels) and approximately 179,600 square feet of academic and research uses, and approximately 21,700 square feet of greenhouse space. The proposed building would be approximately 105 feet at its highest point, which would be within the 105-foot maximum building height established for the site under the *Campus Master Plan-Seattle 2003 (CMP-Seattle 2003)*. The new building would include a greenhouse, headhouse (used for greenhouse equipment storage and temperature control), research laboratories and support space, classrooms, animal care facilities and support space, offices, and conference rooms.

Alternative 2 – No Action Alternative

Under Alternative 2 – No Action Alternative, the *Life Sciences Building Project* would not be constructed on the site and the existing uses (Botany Greenhouse, Plant Laboratory, and Plant Laboratory Annex buildings) would remain. The Life Sciences Program would continue to utilize its existing facilities (including Kincaid Hall, Hitchcock Hall, and Johnson Hall) and could experience capacity and facility deficiencies in the near future.

1.2 IMPACTS, MITIGATION MEASURES AND SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS

The following highlights the impacts, mitigation measures, and significant unavoidable adverse impacts that would potentially result from the alternatives analyzed in the SEIS. **Table 1-1** provides a summary of the potential impacts that would be anticipated under the SEIS Alternatives. This summary is not intended to be a substitute for the complete discussion of each element that is contained in Chapter 3 of the Draft SEIS.

**Table 1-1
IMPACT SUMMARY MATRIX**

Alternative 1 Proposed Action	Alternative 2 No Action Alternative
3.1 – AESTHETICS/LIGHT AND GLARE	
<p><u>Visual Character:</u></p> <ul style="list-style-type: none"> • <i>Proposed Site Development</i> – Existing buildings, pavement, and some trees would be demolished or removed on the site. The new proposed building is intended to have a high degree of transparency, activate public spaces, and create a compatible design with surrounding campus uses. The proposed landscape design would be consistent with the University’s landscape design standards. • <i>Visual Impact</i> – The proposed development would substantially intensify the level of development on the site and would be prominently visible, but would be consistent in height and scale with other campus buildings in the area. The use of mature trees and the orientation of the greenhouse towards the Burke-Gilman Trail would increase the visual compatibility of the building. 	<ul style="list-style-type: none"> • Under the No Action Alternative, the new development of the Life Sciences Building would not occur, and the existing visual character of the site would remain.
<p><u>Light and Glare:</u></p> <ul style="list-style-type: none"> • <i>Light</i> – The proposed building would add new light sources to the site, but the proposed lighting system would be designed to minimize light impacts to offsite uses. Light emanating from the building is anticipated to be similar to that of recently constructed campus buildings in the vicinity. Additional light from greenhouse uses would be higher, but would occur at the same hours as other uses on site, and would be partially screened by landscaping. • <i>Glare</i> – Solar glare would be generated by new building sources, including building surfaces, pavement, and vehicles. Reflectivity of glass selected for the proposed greenhouse would be as low as possible while maintaining the proper operational requirements for greenhouse functions; as a result, glare from the new building is not anticipated to be significant. 	<ul style="list-style-type: none"> • Under the No Action Alternative, the new development of the Life Sciences Building would not occur, and the existing light and glare at the site would remain.

Alternative 1 Proposed Action	Alternative 2 No Action Alternative
3.2 – HISTORIC RESOURCES	
<p><u>Cultural Resources (Archaeology):</u></p> <ul style="list-style-type: none"> The likelihood of finding or observing precontact to ethnohistoric period cultural remains or historic period archaeological remains was identified as moderate to high at the site, and would be found in at or near the surface. However, no previously eligible cultural resources have been identified within or adjacent to the site (including Site 45KI957 which was determined to be not eligible for listing). With identified mitigation measures, it is not anticipated that construction would result in significant impacts to cultural resources. 	<ul style="list-style-type: none"> The proposed Life Sciences Building Project would not be constructed and no direct or indirect long-term or construction-related impacts would affect cultural resources on campus.
<p><u>Historic Resources (Buildings and Spaces):</u></p> <ul style="list-style-type: none"> <i>Site Buildings: Botany Greenhouse</i> – The Botany Greenhouse is significant for its associations with the history of the Botany Department on the campus and as a mid-century example of a Lord & Burnham greenhouse and early Paul Thiry design. However, the greenhouse has lost a majority of its integrity and would not be considered eligible for NRHP listing. Demolition would not result in significant impacts. <i>Site Buildings: Plant Laboratory</i> – The complex retains many of its original materials, with few alterations to the exterior of the building. The offices and greenhouses contain architectural qualities associated with the history of the University’s early Botany department. Both Annex buildings appear to retain their original materials but are not considered eligible for NRHP listing. The main building and greenhouse are considered eligible for listing. However, with proposed mitigation measures (proposed DAHP Level II mitigation report is consistent with DAHP guidelines that are often implemented prior to demolition of an eligible building), demolition would not be considered a significant impact. <i>Site Vicinity Buildings and Spaces: Benson Hall</i> – Benson Hall is significant for its architectural character and association with the firm Bindon, Wright, and Partners, as well as for association with historic events on the campus. The Life Sciences Building may alter views from the building but would not impact its eligibility or integrity, and the proposed project would not have an impact on Benson Hall. 	<ul style="list-style-type: none"> The proposed Life Sciences Building Project would not be constructed and no direct or indirect long-term or construction-related impacts would affect historic resources on campus.

<p style="text-align: center;">Alternative 1 Proposed Action</p>	<p style="text-align: center;">Alternative 2 No Action Alternative</p>
<ul style="list-style-type: none"> • <i>Site Vicinity Buildings and Spaces: Medicinal (Pharmaceutical) Herb Garden</i> – The Herb Garden is recognized in the CMP Seattle – 2003 as a unique and significant landscape. It is significant for its association with pharmaceutical research on campus and broader historical trends, and is eligible for listing. However, the Herb Garden is separated from the site by Stevens Way NE and would not be anticipated to be impacted by the project. 	
<p>3.3 – CONSTRUCTION</p>	
<p><u>Construction Activities:</u></p> <ul style="list-style-type: none"> • Construction activities would include the removal of existing buildings, pavement, landscaping, and existing vegetation; excavation and grading; and construction of the building and greenhouse. The staging area would be approximately 12,000 square feet, and construction would occur in in two phases. Approximately 24,700 cubic yards of cut would be removed, and 4,660 cubic yards of fill imported. 	<ul style="list-style-type: none"> • The proposed Life Sciences Building Project would not be constructed and no construction-related impacts would occur.
<p><u>Air Quality:</u></p> <ul style="list-style-type: none"> • Construction activities on the site would generate air pollutants from fugitive dust, excavation/earthwork activities, and emissions from construction vehicles and equipment. Emissions would be temporary in nature and localized to the immediate vicinity of the construction site. Demolition of existing buildings could result in exposure to hazardous materials; if found, materials would be treated or removed in accordance with applicable regulations and standards. 	<ul style="list-style-type: none"> • The proposed Life Sciences Building Project would not be constructed and no construction-related impacts to air quality would occur.
<p><u>Greenhouse Gas Emissions:</u></p> <ul style="list-style-type: none"> • The proposed development would generate GHG emissions associated with construction activities and operation of the Life Sciences Building. Over the lifespan of the building, the project is expected to generate approximately 210,455 MTCO_{2e} emissions, equating to 3,367 MTCO_{2e} over the building lifespan of 62.5 years. 	<ul style="list-style-type: none"> • The proposed Life Sciences Building Project would not be constructed and no construction-related impacts to greenhouse gas emissions would occur.
<p><u>Noise:</u></p> <ul style="list-style-type: none"> • Localized noise levels would increase temporarily during construction and may affect users in the site vicinity, including academic uses and users on the Burke-Gilman Trail. These impacts would be temporary in nature, and measures would be taken to mitigate noise levels during construction. 	<ul style="list-style-type: none"> • The proposed Life Sciences Building Project would not be constructed and no construction-related noise impacts would occur.

Alternative 1 Proposed Action	Alternative 2 No Action Alternative
<p><u>Vibration:</u></p> <ul style="list-style-type: none"> The use of heavy equipment during construction would create vibration that could affect sensitive research equipment. However adjacent programs do not typically employ this kind of highly sensitive equipment, and vibration is not anticipated to result in significant impacts. Construction activities would utilize practices to minimize vibration levels to the extent feasible. 	<ul style="list-style-type: none"> The proposed Life Sciences Building Project would not be constructed and no construction-related vibration impacts would occur.
<p><u>Trees:</u></p> <ul style="list-style-type: none"> Of the 87 existing trees on the site, 43 would be considered exceptional under City of Seattle Director's Rule 16-2008. Approximately 38 trees would be removed, including 8 trees meeting the exceptional designation. Tree replacement is intended to meet or exceed the City of Seattle's tree replacement requirements and in accordance with the University's Tree Management Plan to provide a replacement ratio of 1:1. Landscaping would be consistent with the university's landscape design standards. 	<ul style="list-style-type: none"> The proposed Life Sciences Building Project would not be constructed and no construction-related impacts to trees would occur.
3.4 – TRANSPORTATION	
<p><u>Construction Traffic:</u></p> <ul style="list-style-type: none"> Construction access would be west of Kincaid Hall, and would follow the proposed construction access road along the south portion of the site; traffic would exit the site to the east on Garfield Lane NE. Existing adjacent buildings would maintain access from Stevens Way NE, but occasional construction use of these drives could cause temporary increased congestion. Removal of fill from the site would result in approximately 1,000 truck trips generated to and from the site, but would be distributed so that significant traffic impacts would not be anticipated. Pedestrian and bicycle routes through and adjacent to the site would be temporarily affected by construction, and sidewalks and the Burke Gilman Trail would be rerouted. Bike and vehicle parking on the site would also be temporarily displaced, but temporary replacement of bicycle parking would be provided. 	<ul style="list-style-type: none"> The proposed Life Sciences Building Project would not be constructed, existing transportation conditions would remain at the site, and no construction-related transportation impacts would occur.
<p><u>Operational Traffic:</u></p> <ul style="list-style-type: none"> After construction, vehicle access to the site would continue to be provided from the east side of the site, and a paved driveway would 	<ul style="list-style-type: none"> The proposed Life Sciences Building Project would not be constructed, existing transportation conditions would remain at the site, and no

<p style="text-align: center;">Alternative 1 Proposed Action</p>	<p style="text-align: center;">Alternative 2 No Action Alternative</p>
<p>provide access to the loading dock and loading areas. No staff or visitor parking would be provided.</p> <ul style="list-style-type: none"> • Pedestrian and bicycle access would be restored after construction, and new pathways would provide additional pedestrian connections between the building and Stevens Way NE. A new fully ADA accessible pathway between Kincaid Hall and the site would be constructed to link Stevens Way NE, the Burke Gilman Trail, and the Hitchcock Bridge. A plaza area and bicycle parking areas would also be provided on the site. 	<p>construction-related transportation impacts would occur.</p>

SUMMARY OF MITIGATION MEASURES AND SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS

AESTHETICS

Mitigation Measures

The following measures would be implemented to mitigate potential impacts to aesthetics and light and glare from the development of the proposed *Life Sciences Building Project*. These mitigation measures would be applicable for Alternative 1.

- The proposed design is intended to be an integration of natural and tectonic materials to reflect the spirit of the Life Sciences Program and Department of Biology, while being compatible with the aesthetic character of the overall University of Washington campus.
- All disturbed campus landscapes would be restored to the quality of work and method of installation in agreement with long term campus plans for the area.
- The majority of the existing trees on the site would be retained to screen and soften views to the Life Sciences Building.
- New landscaping and trees would be provided on the site, particularly along Stevens Way, to enhance the aesthetic character of the site. The University would meet or exceed the City of Seattle tree replacement standards.
- Building and greenhouse design would consider using the least reflective glazing material, as well as shading devices (for the building), to minimize the potential glare impacts to surrounding uses.
- Exterior building lighting and pedestrian lighting would be directed downward and away from existing buildings and spaces to minimize the impacts to nearby uses.

Significant Unavoidable Adverse Impacts

The proposed *Life Sciences Building Project* would replace the existing Botany Greenhouse Building, Plant Laboratory Building, and the Plant Laboratory Annex buildings with a new five level (above grade) structure and replacement greenhouse facility. The proposed development would intensify the level of development in the area; however, the height of the building would be consistent with other buildings in the surrounding area. Significant visual impacts would not be anticipated. New development would introduce new sources of light and glare to the area, but with proposed mitigation, significant light and glare impacts would not be anticipated.

HISTORIC AND CULTURAL RESOURCES

Mitigation Measures

The following mitigation measures are proposed for the development of the *Life Sciences Building Project* on the University of Washington campus.

Plant Laboratory

- The University of Washington is exploring opportunities to display components of the Plant Laboratory Building in the entrance lobby of the Life Sciences Building. Components for display include existing case-work, historic herb collections and decorative doors that are original features of the Plant Laboratory building.
- If an adverse impact is unavoidable due to project needs and constraints, it is recommended that mitigation measures, including documenting the resources via a DAHP Level II mitigation report to be shared with the Suzzallo and Allen libraries, and/or creating interpretive and educational materials to be shared with the public via the University website, be considered (the DAHP Level II mitigation report is consistent with DAHP guidelines that are often implemented prior to demolition of buildings determined to be eligible for listing).

Accidental Discovery of Archaeological Resources

- In the event that archaeological deposits are inadvertently discovered during construction in any portion of the site, ground-disturbing activities should be halted immediately, and University of Washington should be notified. The University would then contact DAHP and the interested Tribes, as appropriate, and as described in the recommended inadvertent discovery plan.

Discovery of Human Remains

- Any human remains that are discovered during construction of the Project will be treated with dignity and respect.
 - If ground-disturbing activities encounter human skeletal remains during the course of construction, then all activity that may cause further disturbance to those remains must cease, and the area of the find must be secured and protected from further disturbance. In addition, the finding of human skeletal remains must be reported to the county coroner and local law enforcement in the most expeditious manner possible. The remains should not be touched, moved, or further disturbed.

- The county coroner will assume jurisdiction over the human skeletal remains, and make a determination of whether those remains are forensic or non-forensic. If the county coroner determines the remains are non-forensic, they will report that finding to the DAHP. DAHP will then take jurisdiction over those remains and report them to the appropriate cemeteries and affected tribes. The State Physical Anthropologist will make a determination of whether the remains are Indian or non-Indian, and report that finding to any appropriate cemeteries and the affected tribes. The DAHP will then handle all consultation with the affected parties as to the future preservation, excavation, and disposition of the remains.

Significant Unavoidable Adverse Impacts

With implementation of identified mitigation measures, significant unavoidable adverse impacts to cultural and historic resources would not be anticipated with development of the *Life Sciences Building Project*.

CONSTRUCTION IMPACTS

Mitigation Measures

The following measures would be implemented to mitigate potential construction impacts from the development of the proposed *Life Sciences Building Project*.

Air Quality

The following measure would be implemented to mitigate potential construction-related air quality impacts from the development of the *Life Sciences Building Project*.

- Site development would adhere to the Puget Sound Clean Air Agency (PSCAA) regulations regarding demolition activity and fugitive dust emissions, including: wetting of exposed soils, covering or wetting of transported earth materials, washing of truck tires and undercarriages prior to travel on public streets, and prompt cleanup of any materials tracked or spilled onto public streets.
- The University and project contractor would coordinate to temporarily duct and protect air intakes of adjacent buildings to minimize the potential for the intake of fugitive dust and exhaust fumes.
- A survey of potential hazardous materials within the existing buildings would be conducted prior to demolition on the site. In the event that hazardous materials are found onsite, the materials would be treated and/or removed in accordance with all applicable regulations and standards.

Greenhouse Gas Emissions

The following measure would be implemented to mitigate potential GHG emission impacts from the development of the *Life Sciences Building Project*.

- Continued implementation of the University's Transportation Management Plan (TMP) would reduce vehicle trips to the campus (including the *Life Sciences Building Project*), thereby reducing GHG emissions. Implementation of a Construction Management Plan would also help to control transportation issues during construction and could reduce construction-related GHG emissions.

Noise

Because of the proximity of academic and other University uses near the site, the University agrees that the mitigation of construction-related noise impacts is important and they are committed to the measures listed below. The following measures would be implemented to mitigate potential construction-related noise impacts from the development of the *Life Sciences Building Project*.

- Placement of materials and backing up of trucks could be done without warning beepers (with a flagger walking behind the vehicle).
- Alternate white noise backup warning systems would be installed (as allowed by Washington State construction safety regulations, WAC 296-155-605).
- Low noise portable air compressors would be used where feasible.
- Nighttime activities would not exceed allowable noise levels.
- The use of noise impact-type equipment, such as pavement breakers, pile drivers, jackhammers, sand blasting tools, and other impulse noise sources would be limited to work activity between 8 AM and 5 PM on weekdays.
- Whenever appropriate, hydraulic impacts tools with electric models would be substituted to further reduce demolition and construction-related noise.
- Loud talking, music, or other miscellaneous noise-related activities would be limited.
- Construction noise would be reduced with properly sized and maintained mufflers, engine intake silencers, engine enclosures, and turning-off idling equipment.
- Truck haul routes would be jointly developed by the UW, SDOT and DPD and approved by SDOT.

Vibration

The following measures would be implemented to mitigate potential construction-related vibration impacts from the development of the *Life Sciences Building Project*.

- To the extent feasible, construction activities would utilize practices that would minimize vibration, such as the use of sawcutting for concrete removal in lieu of using impact tools.
- Orientation would be provided for all construction workers to inform them of the importance of minimizing impacts to adjacent buildings, including vibration.
- Advanced notification could be provided to surrounding buildings and uses to inform them of construction activities that would cause vibration (e.g., drilling of soldier piles). Early notification would allow surrounding uses to prepare in advance of potential vibration activities.

Trees

The following measure would be implemented to mitigate potential construction-related tree impacts from the development of the *Life Sciences Building Project*.

- The existing Deodar cedar trees along Stevens Way NE would be retained as part of the project and protected during construction. The building would be located to minimize impacts to major structural roots of the existing Deodar cedar trees and a temporary bridge would be provided over the Deodar cedar root area to minimize impacts from construction vehicles.
- Tree removal and replacement would be intended to meet or exceed the City of Seattle's tree replacement requirements and be in accordance with the University's Tree Management Plan.

Significant Unavoidable Adverse Impacts

Construction of the proposed *Life Sciences Building Project* would result in some construction-related air quality, GHG emissions, noise, vibration, and tree impacts that would be unavoidable with the proposed project. However, with the implementation of proposed mitigation measures, construction activities would not be anticipated to result in significant impacts to surrounding uses.

TRANSPORTATION

Mitigation Measures

The following mitigation measures would be implemented to minimize potential transportation-related impacts from the proposed *Life Sciences Building Project*.

- Construction activities would occur in compliance with applicable University of Washington and City of Seattle regulations and would include the preparation of a

Construction Management Plan to control and minimize potential construction-related transportation issues.

- The proposed *Life Sciences Building Project* would enhance the existing pedestrian and bicycle connection between Stevens Way NE and the Hitchcock Bridge (to the west of the site and adjacent to Kincaid Hall). The proposed connection would be ADA accessible and include enhanced features including seating areas and an adjacent plaza/gathering space between Kincaid Hall and the proposed *Life Sciences Building Project*.
- The proposed *Life Sciences Building Project* would provide new bicycle parking spaces near the plaza adjacent to the Burke Gilman Trail. The number of bicycle parking spaces would be consistent with University of Washington requirements.
- The proposed *Life Sciences Building Project* would fall under the provisions of the University of Washington's Transportation Management Plan (TMP), including elements such as parking pricing and the U-Pass Program to help reduce single-occupancy vehicle trips and encourage transit use, carpooling and other alternative modes of transportation.

Significant Unavoidable Adverse Impacts

With the implementation of the mitigation measures described above, significant unavoidable adverse transportation impacts would not be anticipated.

Description of Proposed Action and Alternatives

CHAPTER 2

INTRODUCTION AND DESCRIPTION OF THE PROPOSED ACTION AND ALTERNATIVES

This chapter of the Final Supplemental Environment Impact Statement (SEIS) provides a discussion of the planning activities conducted in support of the proposed University of Washington *Life Sciences Building Project*, information on the site and surrounding area, and a description of the proposed *Life Sciences Building Project*. A description of Alternative 2 (No Action Alternative) is also provided in this chapter. A detailed description of the affected environment, environmental impacts, mitigation measures and significant unavoidable adverse impacts is provided in Chapter 3 of the Draft SEIS. Updated information provided subsequent to the issuance of the Draft SEIS is indicated by shaded text.

2.1 PROJECT SUMMARY

The primary mission of the University of Washington is the preservation, advancement and dissemination of knowledge and as one of the University's most popular undergraduate degree programs, the Life Sciences Programs contributes significantly to the University's ability to fulfill its primary mission. The Life Sciences Program (and associated Department of Biology) is one of the University of Washington's highest priorities and with 1,748 undergraduate students and 106 graduate students registered in the Spring of 2013, the Department of Biology serves a significant portion of Life Sciences students. The Department of Biology provides introductory courses to a large portion of Life Sciences undergraduate students, and provides the majority of the undergraduate degrees for students entering the Health Sciences

Currently, the Department of Biology is housed in a number of buildings on campus including Kincaid Hall (immediately west of the proposed project site), Johnson Hall (approximately 0.15-miles north of the project site), Hitchcock Hall (approximately 0.05-miles south of the project site), the Botany Greenhouse (within the proposed project site), and the Plant Laboratory (within the proposed project site). The proposed Life Sciences Building Project would provide additional academic space to meet the current and future needs of the Department, as well as new, modern research and instructional areas that would allow the Department to recruit top-notch faculty to fulfill the undergraduate student demand.

The proposed *Life Sciences Building Project* would be located on the western portion of the site and would include seven levels (including two basement levels). The proposed building would contain approximately 179,600 square feet of academic and research uses and approximately 21,700 square feet of green house space. The proposed building would provide space for greenhouse uses, laboratory and associated laboratory support space,

classrooms, offices, conference rooms, and animal care and associated animal care support spaces.

2.2 BACKGROUND

University of Washington Campus

The University of Washington was founded in 1861 as a public research and education institution and currently has campuses in Seattle, Tacoma, and Bothell. The University of Washington conducts master planning to guide future development on all campuses. In January 2003, the University of Washington adopted the Seattle Campus Master Plan (*CMP-Seattle 2003*), a conceptual plan for the Seattle Campus that establishes guidelines and policies for up to approximately three million square feet of building area for academic, housing, research, education and support uses. This plan was approved by the University of Washington Board of Regents, and the City of Seattle. All new development on the University of Washington Seattle Campus considers the guidelines and requirements that are identified in the *CMP-Seattle 2003*.

For planning purposes, the *CMP-Seattle 2003* divided the Seattle Campus in five different areas, including the Central, West, South, Southwest, and East Sector. Each area is characterized by varying structures and uses, and each area follows a list of objectives that represent ideas for future development. The proposed *Life Sciences Building Project* site is located in the Central Campus Sector which is generally bounded by NE 45th Street to the north, Montlake Boulevard to the east, NE Pacific Street to the south, and 15th Avenue NE to the west. The Central Campus contains the Original Core of the University of Washington campus, and the *CMP-Seattle 2003* identified conservation of this core as a primary goal.

The *CMP-Seattle 2003* indicates the amount of new development allowed in each sector during the 10-year planning period covered by the document. The *CMP-Seattle 2003* indicates that approximately 1,590,000 gross square feet (GSF) of new development would be allowed in the Central Campus. The *CMP-Seattle 2003* further indicates that up to an additional 20 percent of GSF of development is allowed in each sector without an amendment to the *CMP-Seattle 2003*; a total of 1,908,000 GSF of new development would be permitted in the Central Campus. There is adequate development square footage in the Central Campus to accommodate the proposed *Life Sciences Building Project*.

The *CMP-Seattle 2003* also contains guidelines for the development of the four campus sector areas, as well as guidelines for specific individual development sites on campus. The proposed *Life Sciences Building Project* site is located in the Central Campus on Development Site 21C, within the Surrounding Central Perimeter area outside of the Original Core. Specific objectives for the Surrounding Central Campus Perimeter sector include the following:

- Preserve and enhance important open spaces;

- Use new development to strengthen campus form by clearly defining open spaces and circulation routes;
- Improve connections to University-related uses north of 45th, west of 15th, south across Pacific, and east across Montlake Boulevard;
- Create well-designed connections between the University and the larger community; and,
- Create more inviting campus edges and entrances.

The *CMP-Seattle 2003* identifies approximately 70 potential development sites throughout the campus, and includes guidelines and policies for development on these sites. The proposed *Life Sciences Building Project* site is located on Development Site 21C, which is located on the southeastern edge of the Central Campus Sector within the Surrounding Central Perimeter areas. Development Site 21C is generally bounded by Stevens Way NE to the north, open space areas associated with Garfield Place to the east, the Burke-Gilman Trail to the south, and Kincaid Hall to the west. The project site currently contains the Botany Greenhouses, the Plant Laboratory, and the Plant Laboratory Annex buildings. The *CMP-Seattle 2003* identifies Development Site 21C as a potential site for academic uses, with approximately 336,000 square feet of potential above-grade building development and a maximum allowable building height of 105 feet (approximately eight stories). The potential for the demolition of up to approximately 22,112 square feet of building area is also identified for the site.

Specific *CMP-Seattle 2003* policies and guidelines that relate to Development Site 21C include the following:

- Develop Stevens Way frontage with service screened from street;
- South façade should be sensitive to Burke-Gilman Trail;
- Consider retaining or integrating greenhouses in new development;
- Service could be from NE Pacific Street; and,
- Possibility to develop above-grade connection over NE Pacific Street to increase connections and extend open space.

University of Washington Life Sciences Program

The Life Sciences Program (and associated Department of Biology) is one of the University of Washington's highest priorities. With 1,748 undergraduate students and 106 graduate students registered in the Spring of 2013, the Department of Biology serves a significant portion of Life Sciences students, and is the most popular undergraduate degree program at the University. The Department of Biology further provides introductory courses to a large portion of Life Sciences undergraduate students, and provides the majority of the

undergraduate degrees for students entering the Health Sciences.¹ In 2011, the University of Washington prepared a Precinct Plan for the College of Arts & Sciences that found that the major limitation on the Department of Biology's ability to graduate students with a Biology or related major and to grow as a department was its limitations on space.²

Currently, the Department of Biology is housed in a number of buildings on campus including Kincaid Hall (immediately west of the proposed project site), Johnson Hall (approximately 0.2-miles north of the project site), Hitchcock Hall (approximately 0.1-miles south of the project site), the Botany Greenhouse (within the proposed project site), Physics Astronomy Auditorium Basement (to the west of the site), and the Plant Laboratory (within the proposed project site). These buildings occupy approximately 240,400 GSF of building space and currently employ approximately 125 faculty members.

2.3 EXISTING SITE CONDITIONS

Existing Site

The approximately 3.1-acre proposed Life Sciences Building site is located in the Central Campus of the University of Washington and is generally bounded by Stevens Way NE to the north, open space areas associated with Garfield Place to the east, the Burke-Gilman Trail to the south, and Kincaid Hall to the west (see **Figure 2-1** of Chapter 2 for a map of the University of Washington campus).

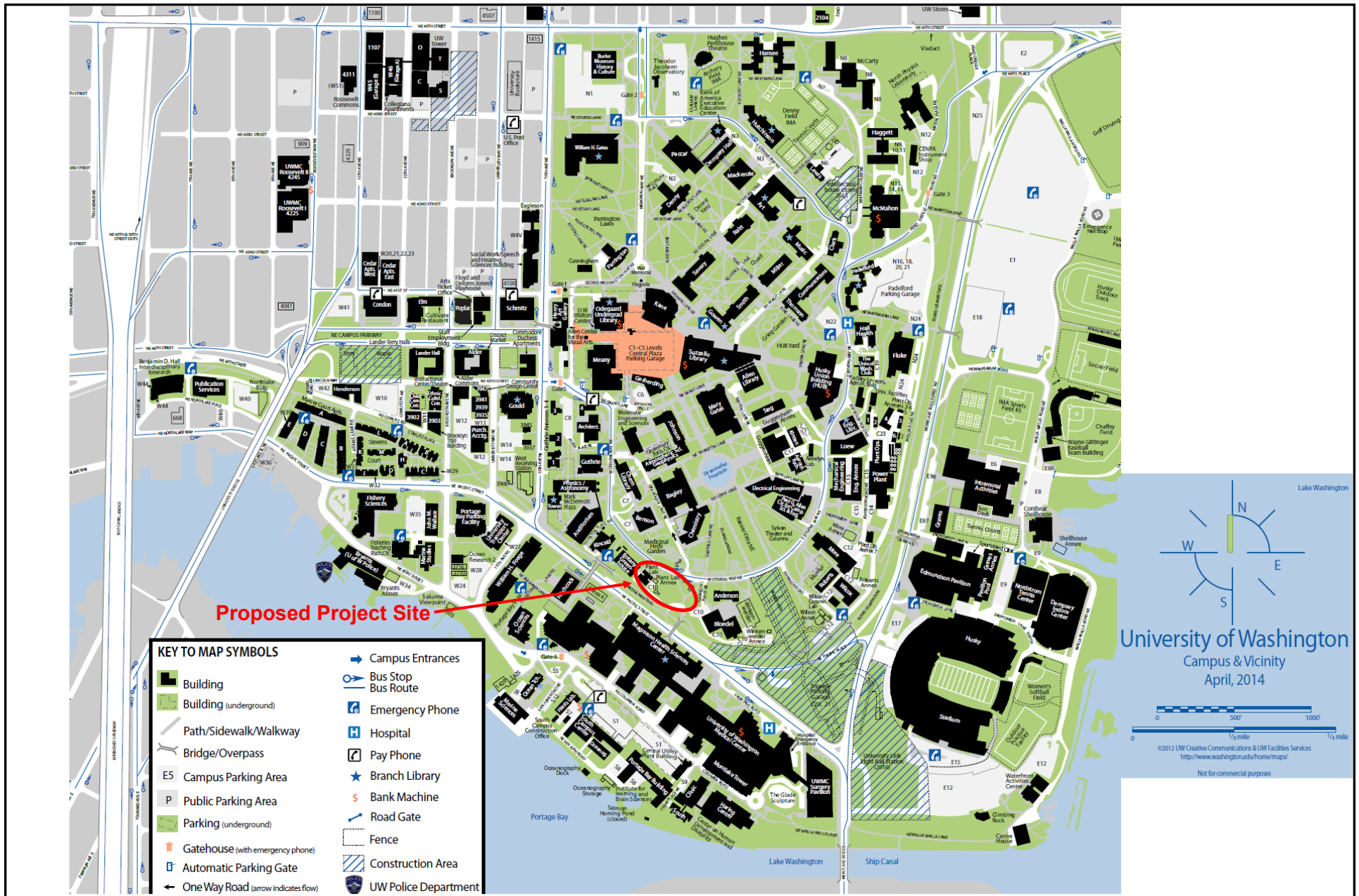
The site has a gradual slope to the south with a grade change of approximately 17 feet from the north end of the site (Elevation 93 feet near Stevens Way) to the south end (Elevation 76 feet along the northern edge of the Burke Gilman Trail).

The proposed site currently contains the one-story Botany Greenhouse, the one-story Plant Laboratory, and the one-story Plant Laboratory Annex buildings; a student farm area is also located adjacent to these buildings. Vehicular access to the site is provided by Garfield Place NE (to the east) via a gravel roadway; a gravel parking area (a portion of Lot C10) is located adjacent to the roadway. A bus stop is located in the northeast corner of the proposed site and includes a bus stop structure/shelter and associated artwork. Approximately 18 bicycle lockers are located in the northwest corner of the site (within the Kincaid Hall plaza) and approximately 62 bicycle parking stalls are located at the southwest corner of the site (adjacent to the Burke Gilman Trail near the Kincaid Hall loading area). See **Figure 2-2** of Chapter 2 for a map of the existing site survey.

¹ ZGF Architects, "University of Washington: Life Sciences Building," September 30, 2013 and Department of Biology, "Fact Sheet," December 2013, <http://www.biology.washington.edu/sites/washington.edu.dept/files/pdf/2013%20A%26S%20FactSheet-Biology.pdf>.

² ZGF Architects, "University of Washington: Life Sciences Building," September 30, 2013.

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Source: University of Washington, 2015.

Figure 2-1
Campus Map

Vegetation primarily consisting of mature trees and shrubs covers the remainder of the proposed site. The trees are primarily located along the northern, eastern, and southern borders of the proposed site; trees along the northern portion of the site, adjacent to Stevens Way NE appear to have been recently topped. A total of 87 trees are located on the site that meet the City of Seattle's definition of significant trees. Of these trees, 43 trees meet the City of Seattle's designation of Exceptional Trees³ with 36 of these trees considered Exceptional due to being part of a Grove. The Grove is located within the eastern portion of the site.

Surrounding Area

The proposed *Life Sciences Building Project* site is located in the Central Campus area of the University of Washington campus, which is characterized by the historic core of the University and its surrounding perimeter with a variety of uses including academic, student housing, and University support uses. Within the Original Core there are a number of significant buildings and open spaces including the Liberal Arts Quadrangle, Denny Yard, Memorial Way, Rainier Vista, Hub Yard, Parrington Lawn, and Central Plaza (see **Figure 2-3** for an aerial map of the proposed site and surrounding area).

The area to the north of the proposed site, across Stevens Way NE, is comprised of the approximately 2.5-acre Medicinal Herb Garden which is utilized and maintained by the Department of Biology, and the four-story Benson Hall which is home to the University's Department of Chemical Engineering and Department of Environmental Health and Safety. Further to the north are a number of other academic buildings (i.e., Bagley Hall and the Chemistry Building) and the Drumheller Fountain.

To the east of the site are vegetated/landscaped areas, Garfield Place NE, and associated pedestrian/bicycle pathways. Further to the east are additional vegetated/landscaped areas and existing buildings associated with the School of Environmental and Forest Sciences, including the three-story Bloedel Hall, the three-story Anderson Hall, and the two-story Winkenwerder Forest Sciences Laboratory. Open space and pedestrian walkways associated with Rainier Vista are located further to the east.

The area to the immediate south of the proposed *Life Sciences Building Project* site is primarily comprised of the Burke Gilman Trail and NE Pacific Street. Further to the south are the Magnuson Health Sciences Center and the South Campus area. The South Campus area is generally characterized by the Magnuson Health Sciences Center, the University of Washington Medical Center and uses along Portage Bay.

³ City of Seattle Department of Planning and Development – Director's Rule 16-2008.

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Source: Google Earth and EA Engineering, 2015.



Figure 2-3
Aerial Photo

To the west of the site are the six-story Kincaid Hall, the four-story Physics/Astronomy Auditorium, the seven-story Physics/Astronomy Tower, and the four-story Physics/Astronomy Building. Further to the west are 15th Avenue NE and the West Campus area. The West Campus is generally comprised of a variety of University uses, including several new student housing facilities, academic uses and administrative/support uses; commercial uses are also located within the West Campus.

2.4 PROJECT GOALS AND OBJECTIVES

The University of Washington identified the following project goals as part of the proposed University of Washington *Life Sciences Building Project*.

- Consolidate proposed Life Sciences academic and greenhouse uses on the same site.
- Locate the new facility in proximity to the Animal Research and Care facility to achieve research efficiencies.
- Locate the new facility in direct proximity to existing life sciences, biology and environmental sciences uses, including Kincaid Hall.
- Locate the new facility to minimize disruption of plant collections and research, and provide direct proximity to the Medicinal Herb Garden which is utilized and maintained by the Department of Biology.
- Develop a state of the art, functional science building to provide enhanced education and research facilities for the Life Sciences Program and aid in the recruitment and retention of staff/faculty for the Life Sciences Program and Department of Biology.
- Provide open and collaborative laboratories for students and faculty.
- Create a connection with the Life Sciences community and provide enhanced connectivity to the surrounding campus area.
- Create a memorable building and landscape that is enduring leading into the future.
- Create an open and welcoming public space as part of the proposed development.
- Develop a building that will meet the LEED Silver requirements.

2.5 ALTERNATIVES

For the purposes of environmental review, two alternatives are analyzed in this SEIS, including Alternative 1 – Proposed Action and Alternative 2 – No Action Alternative. The Proposed Action would include the development of the Life Sciences Building on the site of the existing Botany Greenhouse, adjacent to Kincaid Hall. Under Alternative 2, the proposed Life Sciences Building would not be constructed and the Life Sciences Program would continue to utilize their existing facilities.

Because of specific program and locational objectives of the *Life Sciences Building Project*, other sites identified in the *CMP-Seattle 2003* for potential development are not considered in this SEIS because these sites would not meet the project goals/objectives at a lower environmental cost (WAC 197-11-4400(5)). For example, *CMP-Seattle 2003* Site 24C (Chem. Library) would not meet the goals of consolidating academic and greenhouse uses on the same site or locating the building in direct proximity to Kincaid Hall. Impacts associated with construction, aesthetics, and transportation are anticipated to be similar to those under the proposal.

Alternative 1 – Proposed Action

Overview

The Life Sciences Program is one of the University's most popular undergraduate degree programs and contributes significantly to the University's ability to fulfill its primary mission. Currently, the Department of Biology is housed in a number of buildings on campus including Kincaid Hall and Hitchcock Hall. The proposed *Life Sciences Building Project* would provide additional academic space to meet the current and future needs of the Department, as well as new, modern research and instructional areas that would allow the Department to recruit top-notch faculty to fulfill the undergraduate student demand.

The proposed *Life Sciences Building Project* would be located on the western portion of the site and would include seven levels (including two basement levels). The proposed building would contain approximately 179,600 square feet of academic and research uses and approximately 21,700 square feet of green house space. The proposed building would provide space for greenhouse uses, laboratory and associated laboratory support space, classrooms, offices, conference rooms, and animal care and associated animal care support spaces.

Location

Under Alternative 1, the proposed *Life Sciences Building Project* would be located in the south portion of the Central Campus area and on the site of the existing Botany Greenhouse and Plant Laboratory. The site is generally bounded by Stevens Way NE to the north, open space areas associated with Garfield Place to the east, the Burke-Gilman Trail to the south, and Kincaid Hall to the west. The building would be directly adjacent to Kincaid Hall (and would include a tunnel connection between the buildings) and in direct proximity to Hitchcock Hall to allow continued collaboration with existing Life Sciences Program space (see **Figures 2-1** and **2-3** for maps of the site location and vicinity).

Design Concept

The proposed *Life Sciences Building Project* is designed to accommodate the specific requirements of the Life Sciences Program and Department of Biology and allow flexibility for the existing and future needs of the program. The proposed design of the building would

create new, state-of-the-art academic space to meet the current and future needs of the Life Sciences Program, as well as new, modern research and instructional areas that would allow the Program to recruit top-notch faculty to fulfill the undergraduate student demand (see **Figure 2-4** for a site plan of the proposed project). The design of the proposed building includes seven levels (including two basement levels) and approximately 179,600 square feet of academic and research uses and approximately 21,700 square feet of green house space⁴. The building would be located on the western portion of the site and would be proximate to Kincaid Hall and Hitchcock Hall which would allow for collaboration and connections with existing Life Sciences Program uses within those buildings.

The proposed Life Sciences Building would include approximately 179,600 square feet of academic and research uses and approximately 21,700 square feet of green house space within seven levels (including two basement levels). The proposed building height would be approximately 105 feet at its highest point, which would be within the 105-foot height limit established for the site under the *CMP-Seattle 2003*. The new building would include a greenhouse, headhouse (used for greenhouse equipment storage and temperature control), research laboratories and support space, classrooms, animal care facilities and support space, offices, and conference rooms. The building would support approximately 40 new principal researchers and their associated staff; classroom and teaching labs would also provide new capacity for approximately 820 FTE students as the program expands its student population in the future. **Table 2-1** provides a summary of the proposed building area by floor.

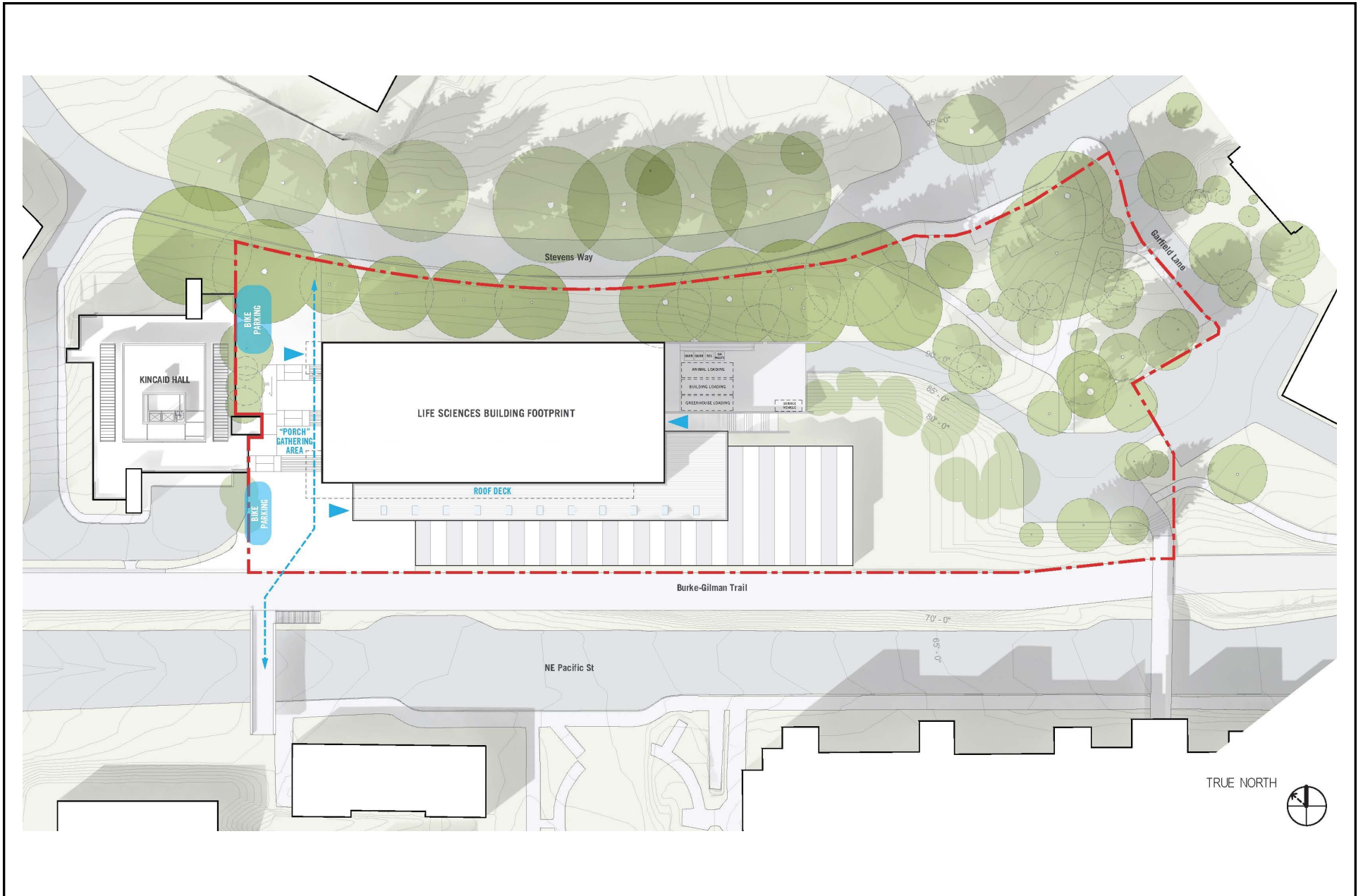
**TABLE 2-1
PROPOSED LIFE SCIENCES BUILDING SUMMARY**

Proposed Life Sciences Building	Baseline Gross Square Feet (GSF)
Basement 2 Level	21,370
Greenhouse	13,395
Headhouse	8,308
Basement 1 Level	23,485
First Level	21,273
Second Level	23,624
Third Level	23,534
Forth Level	23,805
Fifth Level	23,596
Mechanical Penthouse	18,910
Total Building Area	201,300

Source: Perkins+Will, 2015.

⁴ The basement levels of the building would contain approximately 44,855 square feet and pursuant the *CMP-Seattle 2003*, these below-grade areas would not count against the allowed development total for the Central Campus.

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Source: Perkins+Will, 2015.

Figure 2-4
Site Plan

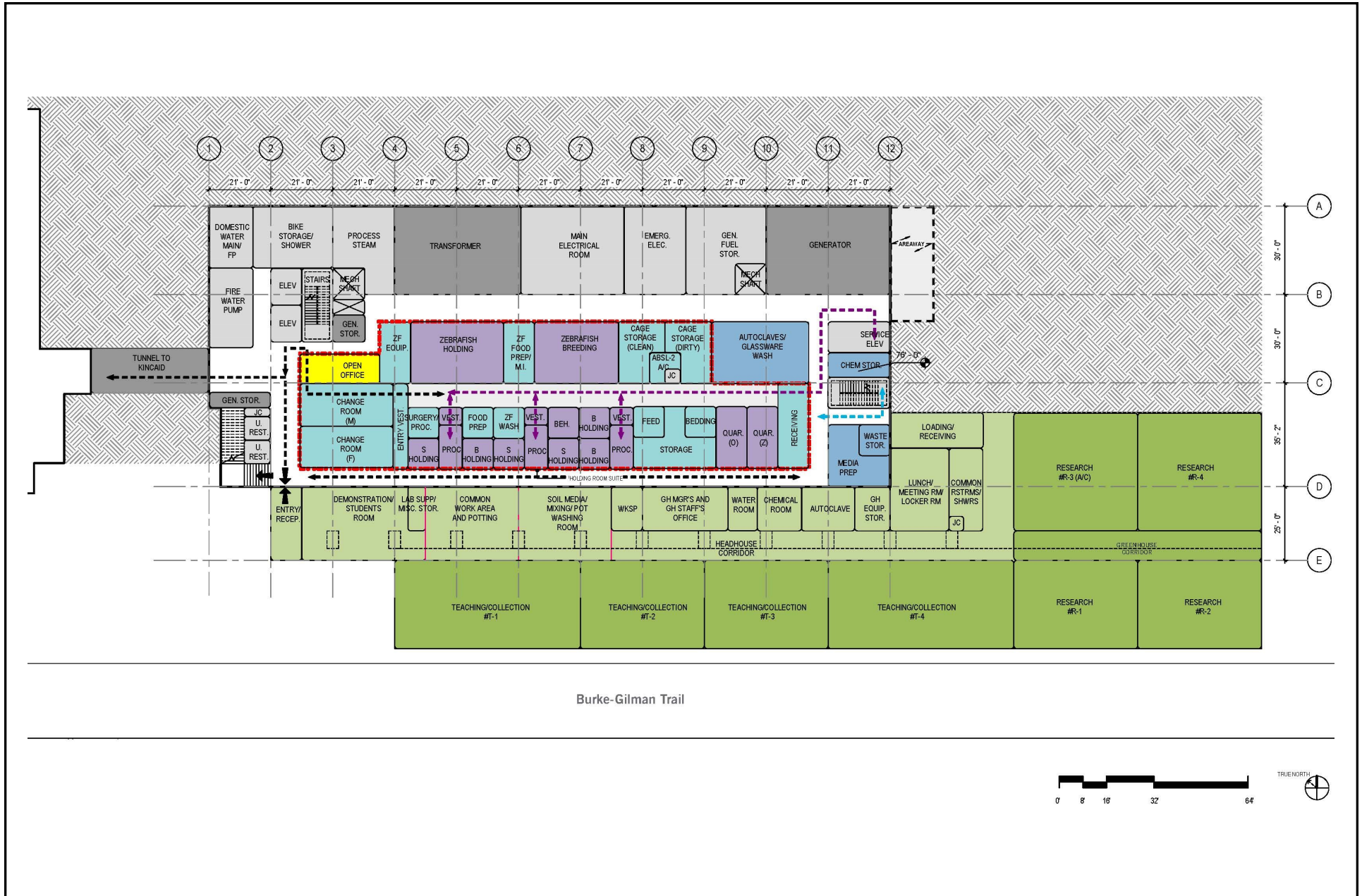
The Basement 2 level of the proposed Life Sciences Building would primarily be comprised of laboratory support space rooms for the building (see **Figure 2-5** for a floor plan of the Basement 2 level). This level would include a large collection of reach-in and walk-in growth chambers to support the Department of Biology's growing needs. Service elevators and a receiving area are located on the east end of this level. Stairway access would be located on the east and west sides and elevators would be located on the west side of the Basement 2 level as well.

The Basement 1 level would provide the largest floor plate of the building and would be visible to the south of the site (along the Burke Gilman Trail) due to the sloping nature of the site grades. This building level would primarily include animal care uses and animal care support uses, as well as lab support space and building mechanical rooms. The Basement 1 level would also align with the greenhouse and headhouse along the southern portion of the building. The greenhouse would include four research areas and four teaching/collection areas while the adjacent headhouse would include storage space for greenhouse equipment, work stations, an office, and a demonstration/students room. Stairway access would be located on the east and west sides and elevators would be located on the west side. A tunnel to the adjacent Kincaid Hall basement area would also be provided on the west side of the Basement 1 level (see **Figure 2-6** for a floor plan of the Basement 1 level).

Level 1 of the Life Sciences Building would serve as the primary entry point for students, faculty and visitors entering the building and would be designed to create an open and accessible area for students and staff; the primary entry would be located on the west side of the building. Four large classrooms with supporting offices and prep rooms would be provided on the north side of Level 1. Multiple conference rooms of varying sizes would be located on the south side, as well as a seminar room, break rooms, offices and storage areas. A café, associated kitchen space and lounge would be located on the west side of the building (near the primary entrance) to serve students and staff, along with visitors from adjacent buildings (i.e., Kincaid Hall, etc.). The loading dock and receiving area would be provided on the east side of Level 1 and would include separate loading space areas for animal care uses, greenhouse uses and other building uses. An outdoor deck would also be provided at the southern portion of the building and would provide views to the south over the greenhouse and headhouse (see **Figure 2-7** for the floor plan of Level 1).

Levels 2 through 5 of the Life Sciences Building would contain similar floor plates and uses, primarily including laboratory use and associated support space. Laboratory and support space would be centrally located on each level, as well as along the northern portion of the levels. Offices would be located along the south side of each of these levels to allow for daylight to enter the rooms and adjacent laboratory areas. Conference rooms and a break room would also be located along the west side of the building (see **Figure 2-8** for the floor plan for Levels 2 through 5).

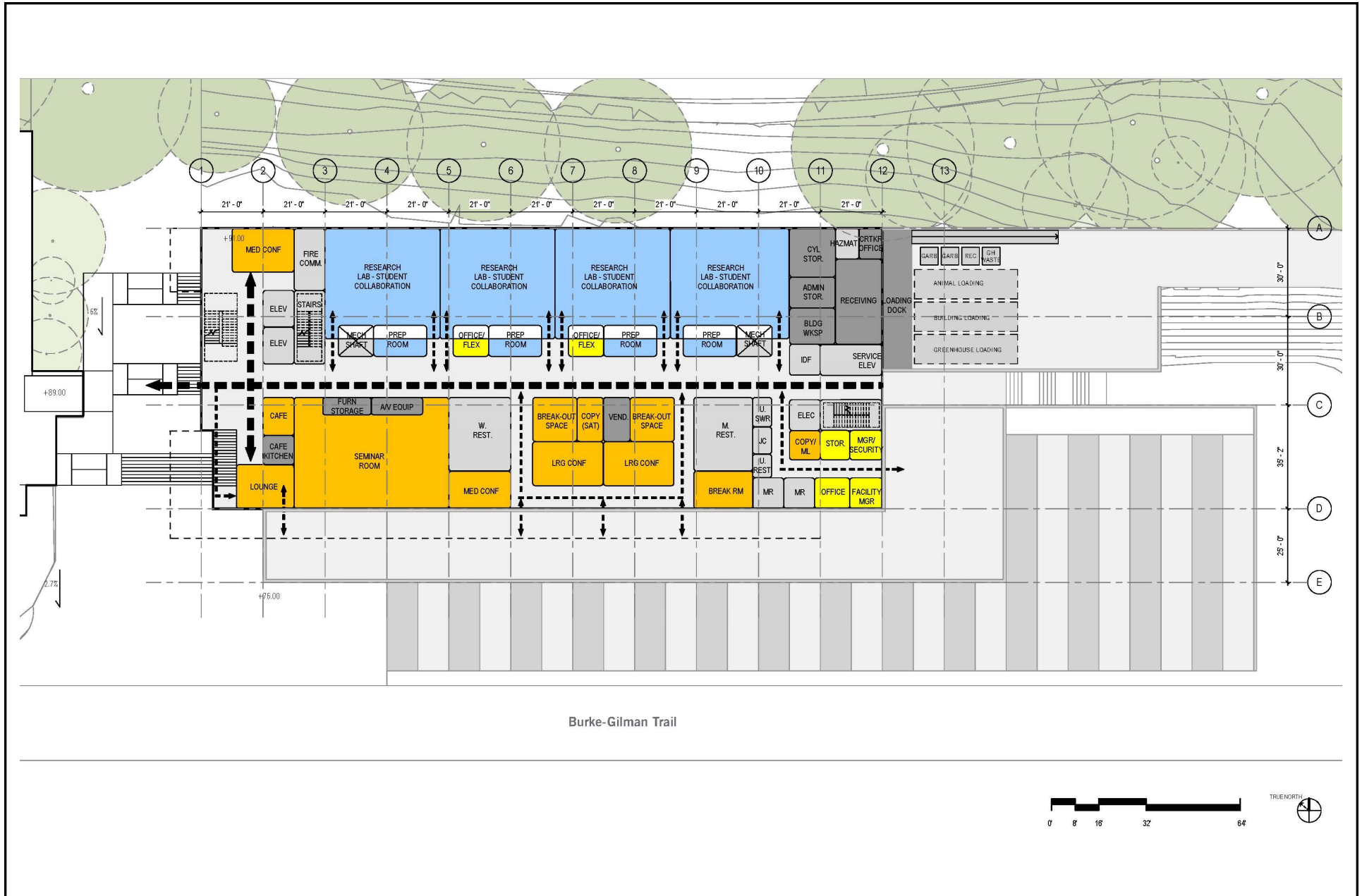
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Source: Perkins+Will, 2015.

Figure 2-6
Basement 1 Floor Plan

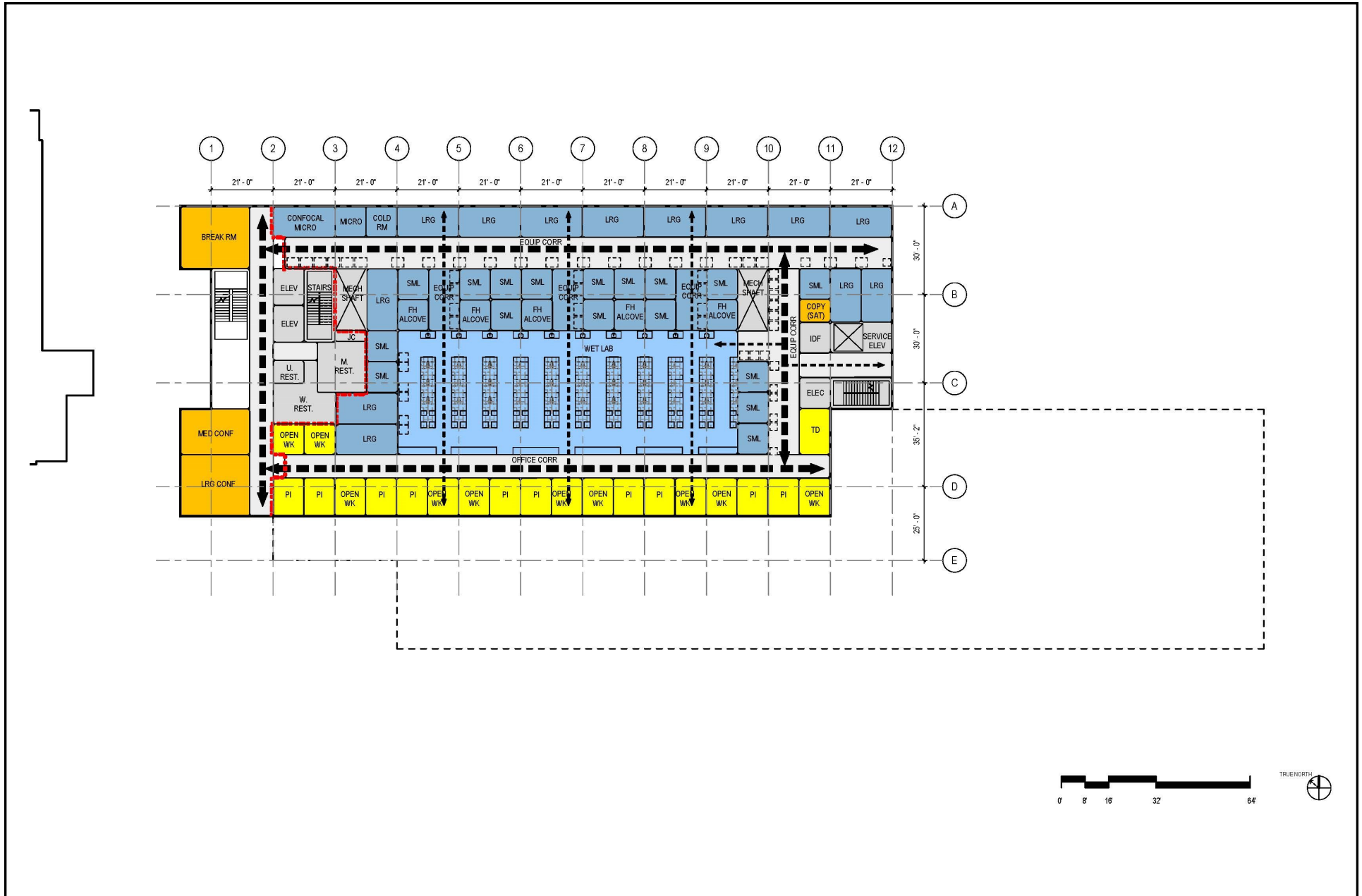
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Source: Perkins+Will, 2015.

Figure 2-7
Level 1 Floor Plan

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Source: Perkins+Will, 2015.

Figure 2-8
Level 2—5 Floor Plan

Exterior Building Design

The proposed Life Sciences Building is situated in a transition zone between natural landscape and urban built environment on the campus and as a result, the design is intended to be an integration of warm, natural and tectonic materials to capture the spirit of the Life Sciences Program and Department of Biology.

A substantial degree of transparency would be provided in the building to activate the public spaces and make the educational areas more engaging and accessible. A performative exterior façade would be incorporated into the design to optimize energy and daylighting control, as well as to create a compatible design with the surrounding campus areas and distinguish the building as a connector of the Central Campus and South Campus areas. The proposed greenhouse and headhouse would be located on the southern portion of the site to allow for maximum solar exposure and would serve to activate the area and provide a visual connection with the adjacent Burke Gilman Trail (see **Figure 2-9** building renderings and **Figures 2-10** and **2-11** for building elevations of the proposed project).

Sustainable Design Features

The design of the proposed Life Sciences Building is intended to meet or exceed the University of Washington's requirement of LEED Silver. The building systems would benefit from their close proximity to the greenhouse and surrounding buildings to allow for the sharing of resources and redundancy. By designing redundancy into the building systems, in an emergency Kincaid Hall could utilize it as a backup system and avoid duplicating redundant systems. There would also be an opportunity for load sharing to reduce energy consumption within the building since there are different times of use and mechanical loads for the greenhouses, labs, offices and public spaces. In addition, by providing a high performance building envelope, the energy loads within the building could be minimized and the mechanical system potentially reduced.

Operable windows would be provided in offices and public spaces to provide natural ventilation cooling; however, these features would not be provided in laboratory spaces due to their more stringent climate control requirements. Additional sustainable building design features could include chilled beams, heat recovery, green rooftop features, water collection and re-use for toilet flushing and irrigation, an educational building dashboard with real-time metrics on building performance, and toxic-free building materials to provide a healthier working environment.

Design strategies for the Life Sciences Building site would also include opportunities for sustainable site design features, including permeable pavers for traffic areas to reduce stormwater runoff, landscaping with native plants to reduce irrigation requirements, and the retention of existing trees to provide a natural buffer and allow for the use of operable windows in the building.

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Southeast Aerial View



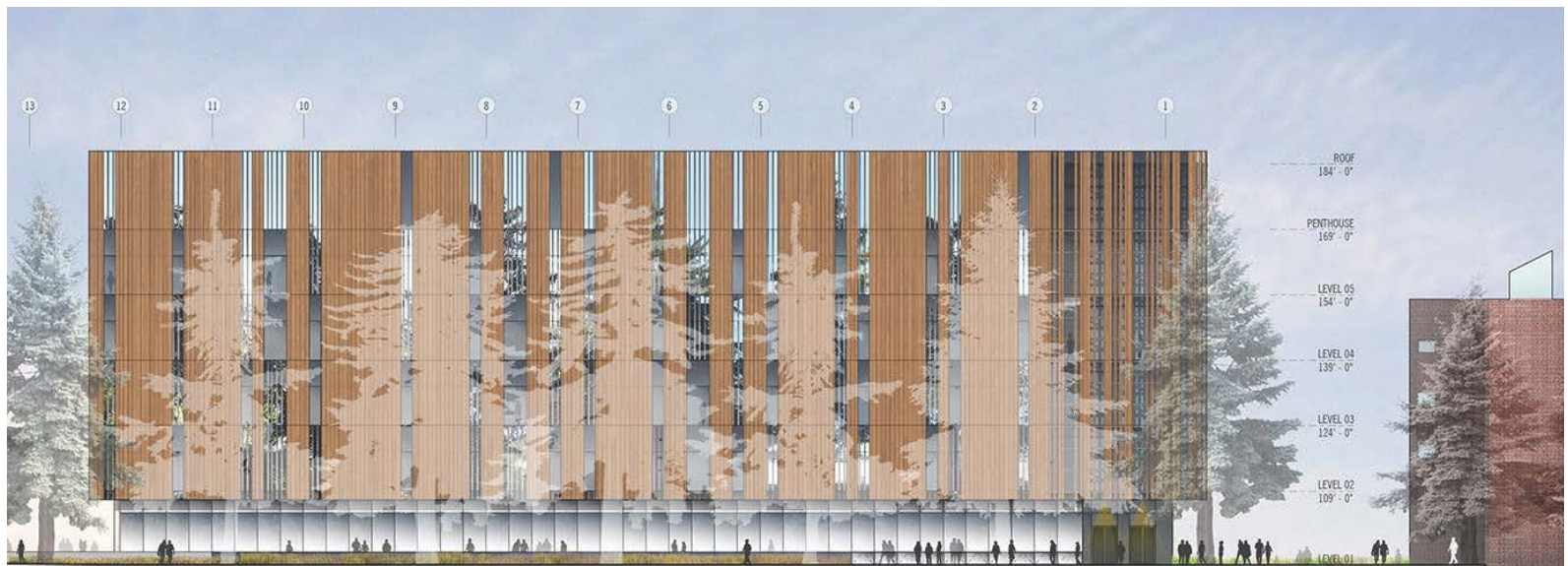
Southwest Entry View

Source: Perkins+Will, 2015.

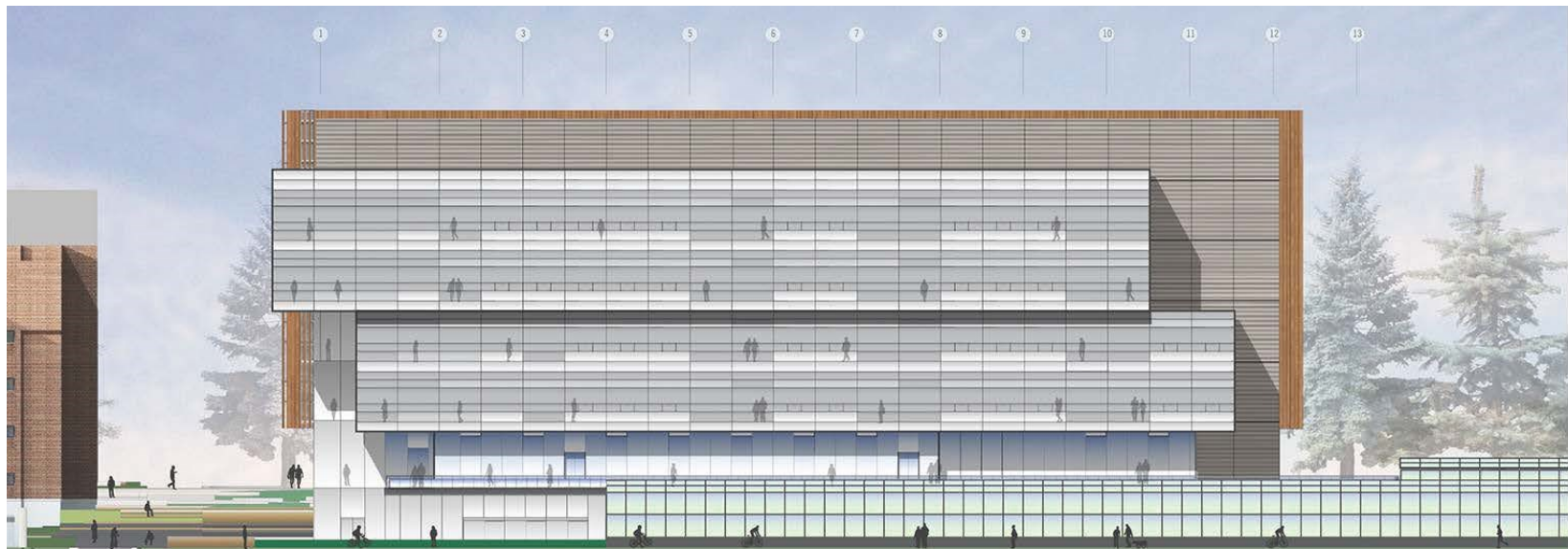


Figure 2-9
Building Renderings

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North Elevation



South Elevation

Source: Perkins+Will, 2015.

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East Elevation



West Elevation

Source: Perkins+Will, 2015.

Figure 2-11
East and West Building Elevations

Circulation and Parking

Vehicular access would be provided from the eastern portion of the site via a driveway connection to Garfield Place NE and Stevens Way NE; the access driveway would serve the loading dock areas on the east side of the proposed building. Fire and emergency access would be provided along Stevens Way NE to the north of the site. In the case of an emergency, the south lane of traffic on Stevens Way NE (eastbound) would be temporarily blocked to allow emergency access.

Similar to the parking procedures for many other University buildings on campus, staff and student parking would not be provided on the site. Staff and students that drive to campus would be anticipated to park their personal vehicles in surrounding University parking lots. Bicycle parking racks would also be provided at the western portion of the site (between the proposed Life Sciences Building and Kincaid Hall). The Life Sciences Building Project would coordinate with the University of Washington Architect's Office and the University of Washington Transportation Services Department to determine the appropriate number of bicycle parking spaces and the location of those spaces on the site given the site conditions (i.e. locate bicycle spaces in a manner that does not impede pedestrian movement on site pathways). It is anticipated that the project would provide up to approximately 122 bicycle parking spaces, including approximately 72 covered spaces and 52 covered/secured spaces, as feasible.

In addition, the University also operates its U-Pass program, which provides students and employees with a variety of low-cost transportation options to encourage alternative modes of transportation, including buses, commuter rail, vanpooling and discount carpool parking; U-Pass is a universal program for all eligible students and available for purchase by employees.

The pedestrian sidewalk along the south side of Stevens Way NE adjacent to the project site (between Kincaid Hall and the bus shelter at the northwest corner of the site) would be replaced at the same width and material as part of the project development. Informal pathways from the Stevens Way NE sidewalk area would also be provided to create additional pedestrian areas adjacent to the site and proposed building. The existing pedestrian pathway to the west of the site which connects Stevens Way NE and the Hitchcock Bridge would also be replaced as part of the project and would include an expanded pathway and plaza area between Kincaid Hall and the *Life Sciences Building Project* to provide a gathering space and event space area with seating for visitors and pedestrians/bicyclists.

No modifications to the Burke Gilman Trail are proposed as part of the *Life Sciences Building Project*. Potential future improvements to the Burke Gilman Trail would be provided as part of a separate project and are describe further in **Section 2.6 – Separate Actions/Projects** of this chapter.

Landscaping

The landscape design for the proposed University of Washington *Life Sciences Building Project* would be consistent with the University's landscape design standards and is intended to protect the existing trees on the site to the extent feasible and enhance the Pacific Northwest woodland character of this area of the Central Campus (see **Figure 2-12** for an illustration of the proposed landscape plan).

The proposed design would follow the character of the woodland landscape where buildings and circulation spaces respond to the natural sloped conditions in this area of campus, and circulation pathways, terraces and exterior spaces would be woven into the landscape design. The proposed landscaping would surround the building and create terraces at entry points and gathering areas on the site. New landscaping would include hardscape areas, planted areas, and site furnishings, including seating, benches and site lighting.

The proposed site contains 87 existing trees, of which 43 would be considered Exceptional per City of Seattle Director's Rule 16-2008. Approximately 38 existing trees would be removed as part of the proposed *Life Sciences Building Project*, including approximately eight Exceptional trees. Proposed tree removal and replacement would be intended to meet or exceed the City of Seattle's tree replacement requirements and would be in accordance with the University of Washington's Tree Management Plan. Tree replacement on the site would be designed to meet or exceed the typical University of Washington requirement to provide tree replacement at a 1:1 ratio.

Utilities

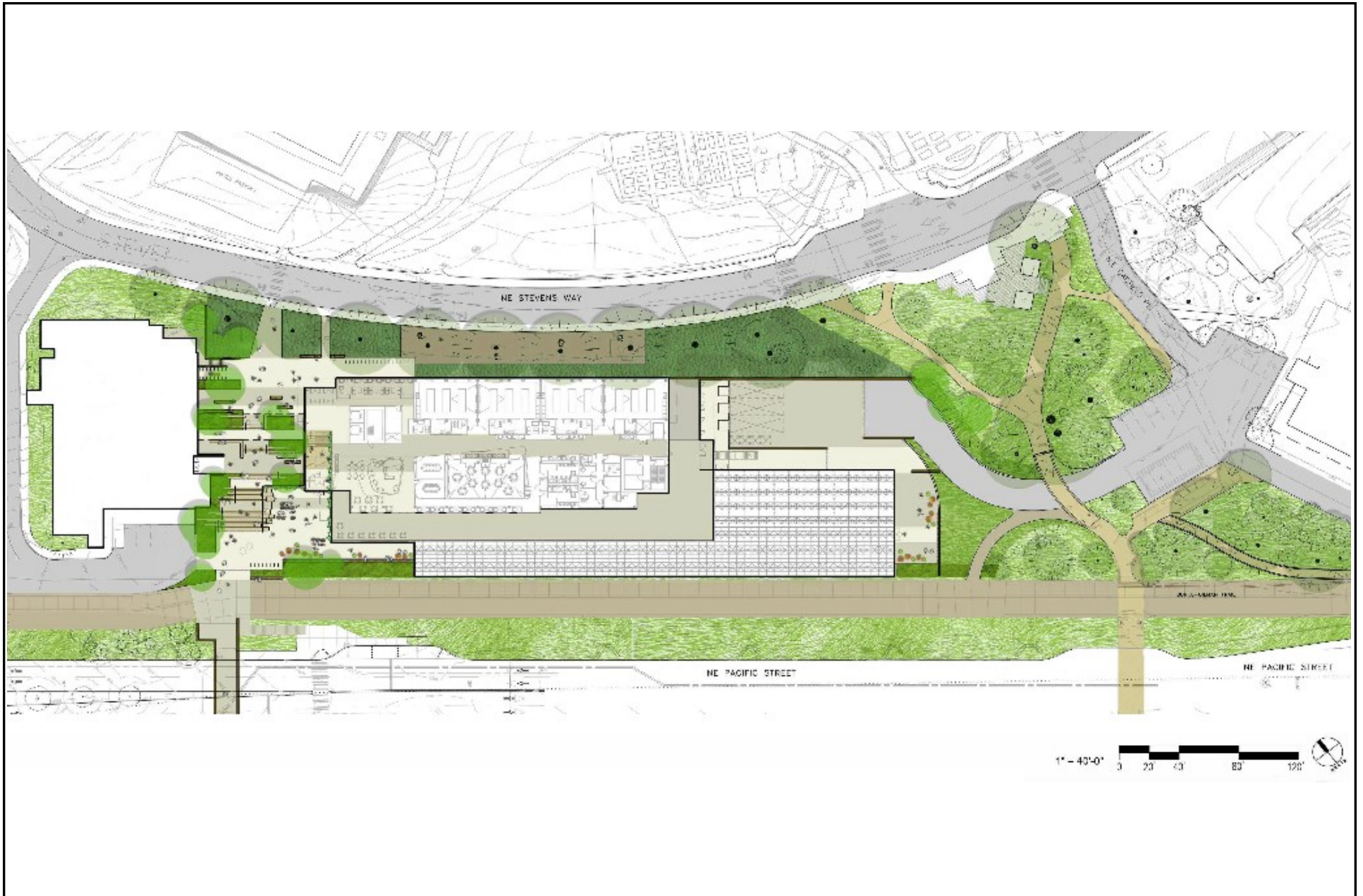
Stormwater

The proposed *Life Sciences Building Project* would route stormwater to a University-owned 21-inch stormwater main that is located under the west side of the site; this main continues south under NE Pacific Street and discharges into Portage Bay.

Water quality treatment would be required as part of the proposed development for new and replacement pollution generating impervious surface (PGIS) areas greater than 5,000 square feet, including roadways and uncovered loading dock areas. StormFilters would be provided which would treat stormwater from PGIS areas prior to discharge to the stormwater main and would be in accordance with City of Seattle requirements.

Per City of Seattle requirements, an analysis of the possibility of Green Stormwater Infrastructure (GSI) would be performed as part of the project and would include the use of green rooftop features, porous pavements or other features that reduce the amount and rate of peak flows of stormwater from the site.

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Source: Perkins+Will, 2015.



Figure 2-12
Landscape Plan

Water

Domestic and fire service protection water service would be provided from the existing University-owned water mains to the north or east of the site. The proposed *Life Sciences Building Project* would require a four-inch domestic service water line and a six-inch fire protection service lines. Water meters and backflow prevention devices would be installed within the building per University of Washington standards.

Sewer

New six-inch side sewer connections would be provided for the proposed *Life Sciences Building Project* and would be connected to the existing University-owned sewer main located to the west of the site, near Kincaid Hall.

Electrical, Telecommunications and Other Utilities

Electrical power, telecommunications and other campus utility services would be provided from the existing mains within the campus utility tunnel below the eastern portion of the project site. Steam would be available from the campus steam plant via the existing steam tunnel to the east of the project site or from an existing buried conduit that crosses under the central portion of the site. Natural gas service for the Life Sciences Building would be available from an existing University-owned main along the south side of Stevens Way NE.

Construction Activities and Schedule

Existing uses on the proposed University of Washington *Life Sciences Building Project* site would be demolished as part of the construction activities, including the existing greenhouse, plant lab building and plant lab annex building. Existing pavement on the site would also be demolished and transported from the site to a permitted regional recycling facility. During the construction process, the existing bus shelter at the northeast corner of the site (adjacent to Stevens Way NE) would remain in its current location and condition.

An approximately 12,000-square foot construction staging area would be located on the eastern portion of the site and would allow for the protection of existing trees that are to be retained as part of the project. The construction of the Life Sciences Building is anticipated to occur in two phases in order to preserve the existing plant collections and minimize impacts to ongoing research in the existing greenhouse. During Phase 1, the smaller greenhouse would be demolished and the southern portion of the proposed new greenhouse would be constructed. As part of this phase, construction trucks would access the site from the west of Kincaid Hall and exit via Garfield Lane. During Phase 2, the existing plant collections would be moved to the new greenhouse and the existing remaining structures would be demolished to allow for the construction of the remainder of the Life Sciences Building. Construction traffic would continue to access the site from the west of Kincaid Hall and would exit through Garfield Lane.

Construction of the proposed project would require approximately 24,700 cubic yards of cut/excavated materials and approximately 4,660 cubic yards of imported fill material. Due to site soil conditions, it is anticipated that none of the cut/excavated material would be used as project fill material.

It is anticipated that construction activities would begin in June 2016 and that the proposed building would be operational by June 2018.

Alternative 2 – No Action Alternative

Under Alternative 2 – No Action Alternative, the proposed Life Sciences Building would not be constructed and the existing uses on the site (Botany Greenhouse, Plant Laboratory and Plant Laboratory Annex buildings) would remain. The Life Sciences Program would continue to utilize their existing facilities, (including Kincaid Hall, Hitchcock Hall, and Johnson Hall) and could experience capacity and facility deficiencies in the near future.

2.6 SEPARATE ACTIONS/PROJECTS

In addition to the University of Washington *Life Sciences Building Project*, there are several separate actions/projects in the site vicinity that are currently under construction or are anticipated to be under construction during the development timeframe for the proposed project. These projects include the University of Washington New Burke Museum Project, University of Washington Police Department Project, University of Washington Animal Research and Care Facility (ARCF) Project, University of Washington Burke Gilman Trail Project, the University of Washington Southwest Campus Central Utility Plant Project, the Sound Transit University of Washington Station Project, the University of Washington Rainier Vista/Montlake Triangle Project, the University of Washington Medical Center Phase 2 Project, and the Bryant Building Park Project (see **Figure 2-13** for a map of the separate action/project locations).

- The **University of Washington New Burke Museum Project** will be located on the site of the existing Burke Museum and will include the construction of a new, approximately 105,387-square foot museum building. Construction will occur on the western edge of the site to allow the existing museum to remain open until the new building is completed. Once the new building is complete the existing museum will be demolished to accommodate the remaining site development (i.e., Burke Yard, parking, landscaping, and open space and pedestrian pathways).

University of Washington Life Sciences Building Project Supplemental Environmental Impact Statement



Source: Google Earth and EA Engineering, 2015.

Figure 2-13
Separate Actions/Projects Map

- The **University of Washington Police Department Building Project** would be located south of Gould Hall and would consist of a three-story, approximately 29,241-square foot of building. The proposed building would provide space for approximately 93 staff members and would include offices, a dispatch/communications center, records storage, identification lab, evidence storage, community multi-purpose rooms and fleet parking. Construction is currently underway and anticipated to be complete in September 2016.
- The **University of Washington Animal Research and Care Facility (ARCF) Project** will be located between the William H. Foegle Building and Hitchcock Hall and will consist of a two-level, below-grade building with approximately 95,700 square feet of building space for research and animal housing at the University. The project will include an above-grade exhaust tower, an above-grade entry pavilion, and new landscaping and pedestrian pathways to enhance the site landscape and maintain the Portage Bay Vista. Construction for this project is currently underway and anticipated to be completed in December 2016.
- The **University of Washington Burke Gilman Trail Project** includes improvements to the 1.7-mile University-owned portion of the trail from Pasadena Place NE to NE 47th Street. The improvements are designed to improve safety and accommodate existing/future traffic flows and include trail widening and consolidated intersections/connections with the trail. The initial phase of the project will occur from 15th Avenue NE to Rainier Vista. Four additional phases will occur in the future, including Pasadena Place NE to University Bridge, University Bridge to Brooklyn Avenue NE, Brooklyn Avenue NE to 15th Avenue NE, and Rainier Vista to NE 47th Street. The initial phase is anticipated to be completed in May 2015; construction of future phases will occur once funding is available.
- The **University of Washington West Campus Utility Plant Project** will be located to the south of the proposed Police Department Building (near the intersection of University Way NE and NE Pacific Street) and will provide process chilled water and emergency power to portions of the South and West campus. The building will be approximately 20,000 square feet and will include one below-grade level and one above-grade level. The construction period for this project is anticipated to be from November 2015 to January 2017.
- The **Sound Transit University of Washington Station Project** is located adjacent to Husky Stadium and is part of the University Link Light Rail Extension which connects the University of Washington with Capitol Hill and Downtown. The University of Washington Station consists of a single above ground entrance to connect with the light rail tunnel and will serve approximately 25,000 riders by 2030. Construction of this project is currently underway and is anticipated to be completed by early 2016

- The **University of Washington Rainier Vista/Montlake Triangle Project** will modify the pedestrian connection between the Sound Transit University of Washington Station and the University of Washington campus. The modified connection includes a pedestrian/bicycle bridge over Montlake Boulevard that will connect the University Station with the Montlake Triangle, establishment of a Rainier Vista land bridge spanning a lowered NE Pacific Place, and a modified Burke Gilman Trail. The construction of this project has begun and is anticipated to be completed by September 2016.
- The **University of Washington Medical Center Phase 2 Project** is located at the southern portion of the Medical Center and will include the buildout of three bed floors and the operating rooms suite within the new Montlake Tower (Phase 1) and will renovate approximately 125,000 square feet within the existing Cascade and Pacific Towers. Construction of this project is currently underway and is anticipated to be completed by June 2017.
- The **Bryant Building Park Project** will include the development of a new park at the current Bryant Building location (adjacent to Portage Bay) to serve as a park replacement for existing park property that was converted to non-park use as part of the WSDOT SR-520 Bridge Project. Construction of this project will occur subsequent to the completion of the proposed Police Department Building Project; however, the specific timeline is unknown at this time.
- The **University of Washington Molecular Engineering Building Phase 2 Project** site is located to the north of the existing Molecular Engineering Building (east of Stevens Way and south of Grant Lane). The proposed Phase 2 building was analyzed as part of the *University of Washington Molecular Engineering Facility Supplemental EIS (2009)* and will include a six-story, approximately 78,000-square foot building with research, laboratory and faculty/staff office uses. Construction for this project is currently underway and anticipated to be completed in September 2016.
- The **University of Washington North Campus Housing Project** site is located in the northeast corner of the Central Campus and will occur over two phases. Phase A consists of replacing McCarty Hall with two new buildings and the demolition of Haggett Hall. Phase B entails the construction three buildings, one on the Haggett Hall site and two on the site of the existing tennis courts. The proposed redevelopment will result in approximately 3,200 student beds, an increase of 350 beds over existing conditions. Construction is anticipated to begin in the summer of 2016.
- The **University of Washington Computer Science and Engineering II Project** site will include approximately 130,000 gross square feet of above and below grade space to support the Computer Science and Engineering Program. Three alternatives will be analyzed for the project, including the preferred site (existing More Hall Annex site),

alternative site (existing Physical Plant offices site) and the No Action Alternative (potential reuse of the existing More Hall Annex building). It is anticipated that construction will begin in September 2016 and would be completed in September 2018.

Temporary construction activity associated with any of these separate actions/projects will occur in compliance with applicable University of Washington, City of Seattle, and other relevant regulations. Significant cumulative construction-related impacts are not anticipated because each project has its own separate construction schedule and haul routes that are specific for each project site. Additionally, each project will prepare a Construction Management Plan (CMP) to control and mitigate potential transportation issues during the construction process.

2.7 BENEFITS AND DISADVANTAGES OF DEFERRING IMPLEMENTATION OF THE PROPOSAL

The benefits of deferring approval of the Proposed Action and implementation of development of the *Life Sciences Building Project* include the deferral of:

- Temporary displacement of existing uses and displacement of existing vegetation on the site.
- Temporary construction-related impacts associated with vibration, noise, air pollution and traffic.

The disadvantages of deferring the approval of the Proposed Action and development of the Life Sciences Building include the deferral of:

- The opportunity to develop a new Life Sciences Building to meet the current and future needs of the Life Sciences Program.
- The opportunity to locate the proposed building in proximity to existing Life Sciences Uses (Kincaid Hall and Hitchcock Hall) to allow continued collaboration and efficiencies for the program.

Draft SEIS Comment Letters and Responses

CHAPTER 3

COMMENT LETTERS AND RESPONSES

This chapter of the Final Supplemental Environmental Impact Statement (SEIS) contains comments that were received on the Draft SEIS and provides responses to the comments.

A total of two letters with comments regarding the Draft SEIS and the analysis of environmental impacts were received during the public comment period on the Draft SEIS. Each letter is included in this section of the Final SEIS. Comment letters/numbers appear in the margins of the letters commentary and are cross-referenced to the corresponding responses. Responses are provided directly after each letter/transcript commentary.

The following comment letters related to the specific information contained in the University of Washington Life Sciences Building Project Draft SEIS were received:

<u>Draft SEIS Comment Letters</u>	<u>Page</u>
Draft SEIS Letter 1: Washington State Department of Archaeology and Historic Preservation	3-2
Draft SEIS Letter 2: University of Washington Transportation Services	3-5



Allyson Brooks Ph.D., Director
State Historic Preservation Officer

August 7, 2015

Ms. Jan Arntz
Environmental Planner
University Of Washington
University Facilities Building
Box 352205
Seattle, Washington 98195-2205

In future correspondence please refer to:

Log: 072314-20-UW
Property: University of Washington Campus Buildings & Site, Seattle
Re: Life Sciences Building Project

Dear Ms. Arntz:

The Washington State Department of Archaeology and Historic Preservation (DAHP) is in receipt of the Draft Environmental Impact Statement (DEIS) for the above referenced action. From the DEIS, I understand that the University of Washington (UW) proposes to construct a new Life Sciences Building in the south portion of the Seattle campus near the Burke Gilman Trail. The DEIS has been reviewed by built environment and archaeology staff at DAHP to assess the impact of the proposal on historic properties in the project area.

In response, we concur with the recommendations made in the Cultural Resources Inventory draft report of June 2015. In regard to eligibility to the National Register of Historic Places of properties in the project area, we concur that **Benson Hall, the Plant Lab, and the Pharmaceutical Herb Garden are all eligible for the National Register**. Bagley Hall has previously been determined National Register eligible. We also concur that site **45KI957 and the Botany Greenhouse are not eligible for the National Register**.

1

In regard to project impacts, we also concur with the report recommendations that only the National Register eligible Plant Lab will be adversely affected as it is proposed for demolition. In view of the adverse impact of the project to the Plant Lab, we recommend that specific measures be identified in a memorandum of understanding (MOU) that when fulfilled will serve to mitigate for the removal of the lab.

2

In addition, we recommend following the recommendations found in sections 9.3 and 9.4 of the report regarding the discovery of archaeological resources and of human remains. Finally, we would appreciate receiving copies of any comments you receive from interested and affected tribes as you consult with them within the framework of Governor’s Executive Order 0505.

3



Ms. Jan Arntz
August 7, 2015
Page Two

Thank you for the opportunity to review and comment on the DEIS. These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in fulfillment of the provisions of the Governor's Executive Order. Should you have any questions, feel free to contact me at 360-586-3073 or greg.griffith@dahp.wa.gov.

Sincerely,



Gregory Griffith
Deputy State Historic Preservation Officer

C: Karen Gordon, Seattle Historic Preservation Officer



RESPONSE TO DRAFT SEIS LETTER 1

Washington State Department of Archaeology and Historic Preservation

1. The comment regarding concurrence of the eligibility findings presented in the Draft SEIS are noted for the record.
2. The comment is noted for the record. As indicated in the Cultural Resources Inventory (Draft SEIS Appendix B) and Draft SEIS page 3.2-18, mitigation measures would be implemented if an adverse impact to the Plant Laboratory is unavoidable due to the project needs and constraints. Recommended mitigation measures included documenting the resources via a DAHP Level II mitigation report to be shared with the Suzzallo and Allen Libraries, and/or creating interpretive and educational materials to be shared with the public via the University's website (the DAHP Level II mitigation report is consistent with DAHP guidelines that often implemented prior to demolition of buildings determined to be eligible for listing).
3. The comment is noted for the record. Mitigation measures in the Cultural Resources Inventory (Draft SEIS Appendix B) are identified on Draft SEIS page 3.2-18 that would be implemented in the event of an accidental discovery of archaeological resources or the accidental discovery of human remains. Any comments received from interested and affected tribes will be forwarded to DAHP as requested.

From: Jan Arntz-Richards [mailto:jarntz@uw.edu]
Sent: Friday, August 07, 2015 12:30 PM
To: Schipanski, Rich
Subject: Fwd: LSB EIS Comments

Sent from my iPhone

Begin forwarded message:

From: "David W. Amiton" <damiton@uw.edu>
Date: August 5, 2015 at 3:47:50 PM PDT
To: Jan Arntz-Richards <jarntz@uw.edu>
Subject: **LSB EIS Comments**

Good Afternoon Jan,

Attached are my comments on the Life Sciences Building EIS. Apologies for getting these to you a few days late.

Best,

DAVID AMITON

Transportation Planning Analyst
206.616.7502 | damiton@uw.edu

UW TRANSPORTATION SERVICES

3745 15th Ave NE
Seattle, WA 98105
transportation.uw.edu

#	Page	Comment	
1	1-6	Do the tree removal numbers include trees that are being removed on the south side of Burke Gilman Trail to allow light to reach the greenhouses?	1
2	1-6	Construction access needs to be coordinated with Burke Gilman Trail Phase 1 construction, which will utilize a similar haul route.	2
3	1-6	Where will temporary replacement of bicycle parking be provided?	3
4	1-13	Per conversations with Annelise Aldrich of GGN, the LSB project will provide 36 secure bike parking stalls inside the building. The LSB project will remove and replace 22 secure bike lockers that service Kincaid Hall. The LSB project will remove 22 uncovered bicycle parking spaces and replace with 22 covered bicycle parking spaces. The LSB project will work with Transportation Services to strive to achieve 48 covered bicycle stalls to serve LSB in order to meet APBP's bicycle parking standards for new university construction. Where will the secure bike parking inside the building go?	4
5	2-4	Will there be any impact to the bus shelter at the northeast corner of the LSB site?	5
6	2-11	Bike parking calculations were done assuming 479 planned student capacity, but the EIS says the capacity is 820. If the capacity is 820, then 48 exterior covered stalls will not be nearly enough bicycle parking capacity. What is the correct planned student capacity?	6
7	Figure 2-4, Site Plan	The site plan does not show any connection between the Burke-Gilman Trail and the C10 parking lot on the west side of the T-Wing Overpass. There is an existing connection, which will be modestly enhanced with the Burke-Gilman Trail Phase 1 project. The LSB project should further improve this access point by making it ADA accessible. This appears to be shown on Figure 2-12, but should also be shown in the Site Plan.	7
8	Figure 2-9, Building Renderings	What is shown in the grass on the east end of the building in the Southeast Aerial View?	8
9	2-22	Will the project include a new curb ramp on the south and north sides of Stevens Way (https://goo.gl/maps/9OdIU)?	9
10	2-22	There should be some additional coordination with BGT Phase 1. Construction of BGT Phase 1 will occur prior to LSB, so it is likely that LSB construction will impact recently-completed elements of the BGT project or preclude BGT Phase 1 from making certain improvements (for example, the ADA connection between the BGT and C10 on the west side of the T-Wing Overpass).	10
11	2-28	The initial phase of Burke-Gilman Trail construction is anticipated to begin in September 2015 and have a 9-month construction duration.	11
12	3.4-3	Why would bicycle and pedestrian traffic on the Burke-Gilman Trail be rerouted onto Stevens Way NE? The section of trail adjacent to the LSB site is being reconstructed just before LSB construction begins; it would not make sense to impact the newly-constructed trail outside of the new plaza on the north side of the Hitchcock Overpass and the new ADA connection between C10 and the Burke Gilman on the east end of the project site.	12
13	3.4-3	Will the bicycle racks on the southwest corner of the Burke-Gilman Trail & Hitchcock Overpass intersection be impacted by the LSB project?	13
14	3.4-3	The C10 parking area is to the east, not the west.	14

RESPONSE TO DRAFT SEIS LETTER 2
University of Washington Transportation Services

1. The proposed tree removal identified in the Draft SEIS for the Life Sciences Building Project includes the removal of approximately 38 trees on-site (including eight Exceptional trees) and does not include trees located off-site to the south of the Burke Gilman Trail.
2. Your comment is noted for the record. As identified on page 3.4-4 of the Draft SEIS, construction activities would occur in compliance with applicable University of Washington and City of Seattle regulations and would include the preparation and approval of a construction management plan to minimize construction-related transportation impacts. It is anticipated that construction vehicle routes for the Life Sciences Building Project would be coordinated and determined by the General Contractor/Construction Manager (GCCM) and the University of Washington, as well as approved by the City of Seattle as part of the permit process, and would be designed to minimize disturbance and maintain vehicle and pedestrian safety near the project site. It is anticipated that access and haul routes for the Life Sciences Building Project would be coordinated with the Burke Gilman Trail Phase 1 Project
3. As indicated on page 3.4-3 of the Draft SEIS, temporary replacement bicycle parking would be provided during the construction process for the Life Sciences Building Project. The location of temporary bicycle parking would be coordinated with GCCM and the University of Washington (including the Transportation Services Department).
4. As noted on Figure 2-6 of the Draft SEIS, indoor bicycle storage within the building would be located in the northwest corner of the Basement 1 Level.
5. It is not anticipated that the development of the Life Science Building would impact the existing bus shelter along the south side of Stevens Way NE. As indicated on page 3.4-3 of the Draft SEIS, proposed development of a construction management plan is intended to alleviate construction impacts on the surrounding campus roadway network, including bus stops and the bus shelter.
6. As noted on page 3.4-4 of the Draft SEIS, the number of bicycle parking spaces provided as part of the Life Sciences Building Project would be consistent with University of Washington requirements. As described on page 2-22 of the Final EIS, the Life Sciences Building Project would coordinate with the University of Washington Architect's Office and the University of Washington Transportation Services Department to determine the appropriate number of bicycle parking spaces and the location of those spaces on the site given the site conditions (i.e. locate bicycle spaces in a manner that does not impede pedestrian movement on site pathways). It is anticipated that the project would provide up to approximately 122 bicycle parking spaces, including approximately 72 covered spaces and 52 covered/secured spaces, as feasible.

7. Your comment is noted. It is anticipated that the existing pathway connection between the C10 parking area and the Burke Gilman Trail (to the west of the T-Wing Overpass) would be replaced as part of the Life Sciences Building Project as depicted on Figure 2-12 of the Draft SEIS.
8. The area depicted on the east end of the building in Figure 2-9 of the Draft SEIS is intended to represent a seating and gathering open space area east building. However, it should be noted that these conceptual building renderings are not intended to represent the specific final design for landscaping and open space elements for the project.
9. As noted on page 3.4-4 of the Draft SEIS, development of the Life Sciences Building Project would include the replacement of the existing sidewalk on the south side of Stevens Way NE, adjacent to the site. The sidewalk would be replaced at the same with and materials to match the existing conditions.
10. Your comment is noted. Construction of the Life Sciences Building Project would be coordinate with the University of Washington and other existing uses and projects in the site vicinity, including the Burke Gilman Trail.
11. Your comment is noted.
12. As noted on page 3.4-3 of the Draft SEIS, due to the site's direct proximity to the Burke Gilman Trail, there may be a need to temporarily reroute traffic on the trail area adjacent to the site during portions of the construction process to protect the safety of trail users. If necessary, the specific route for rerouting Burke Gilman Trail traffic would be reviewed and approved by the University of Washington and the City of Seattle.
13. The bicycle parking racks at the southwest corner of the Burke Gilman Trail/Hitchcock Overpass intersection are located outside of the project boundary and would not be affected by the Life Sciences Building Project.
14. You comment is noted. A small portion of the C10 parking area is located on the site and the majority of the C10 parking area is located to the east of the project site.

References

CHAPTER 4 REFERENCES

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2	1 CD + HARDCOPY	University Dist. Comm Srvc Cntr				4534 University Way NE		Seattle	WA	98105
3	1 CD + SEPA Reg + Description + Public Notice	SEPA Center			Dept of Natural Resources		PO Box 47015	Olympia	WA	98504-7015
4	2 CDs + 1 HARDCOPY + SEPA Reg + Description + Public Notice	Dept. of Ecology SEPA Unit			Environmental Review Section		PO Box 47703	Olympia	WA	98504
5	CD	Seattle Fire Department			Fire Chief	301 Second Ave S		Seattle	WA	98104
6	CD	Environmental Protection Agency	Region X	Environmental Impact	Evaluation Branch	1200 - Sixth Ave		Seattle	WA	98104
7	CD	Seattle & King County - Public Health			Director	401 - 5th Ave., Suite 1300		Seattle	WA	98104-2674
8	CD	Seattle City Light			Environ. & Safety Division	700 - 5th Ave, # 3200	PO Box 34023	Seattle	WA	98104-4023
9	CD	Sound Transit Link	Perry	Weinberg	Director, Office of Environmental Affairs and Sustainability and Senior Legal Counsel	401 S. Jackson St	Union Station	Seattle	WA	98124-4019
10	CD + HARDCOPY	Dept. of Planning & Development	Stephanie	Haines			PO Box 34019	Seattle	WA	98124-4019
11	CD	King County Metro Transit	Mike	Usen	Senior Environmental Planner	201 S. Jackson St.	MS KSC-TR-0431	Seattle	WA	98104-3856
12	CD	Puget Sound Clean Air Agency			Exec. Director	1904 Third Ave. #105		Seattle	WA	98101-3317
13	CD	WA St. Dept. of Transportation	Ramin	Pazooki			PO Box 330310	Seattle	WA	98133-9710
14	CD	Dept. of Planning & Development	Cliff	Portman			PO Box 34019	Seattle	WA	98124-4019
15	CD	Seattle Public Utilities	Jalainne	Madura	SEPA Coordinator	700 - 5th Ave., 44th FL	PO Box 34018	Seattle	WA	98124-4018
16	CD	Dept. of Neighborhoods	Steve	Sheppard	Seattle Municipal Tower	700 - 5th Ave, #1700	PO Box 94649	Seattle	WA	98124
17	CD	Dept. of Planning & Development	Diane	Sugimura	City of Seattle		PO Box 34019	Seattle	WA	98124-4019
18	CD	Muckleshoot Indian Tribe	Isabel	Tinoco	Dir. Of Nat. Res., Fisheries Dept	39015 - 172nd Ave SE		Auburn	WA	98002
19	CD	Office of Archeology & Hist. Preservation	Russell	Holter	Preservation Design Reviewer	1063 S. Capital Way, #106	PO Box 48343	Olympia	WA	98504-8343
20	CD	Seattle Dept of Transportation	Goran	Sparrman	Interim Director		PO Box 34996	Seattle	WA	98124-4996
21	CD	Seattle Dept of Parks & Recreation	Christopher	Williams	Superintendent	100 Dexter Ave N		Seattle	WA	98109-5199
22	CD	Seattle Police Department					PO Box 34986	Seattle	WA	98124-4986
		Community Clubs								
23	CD	Hawthorne Hills Community Council								
24	CD	Laurelhurst Community Club	Jeannie	Hale		3425 W. Laurelhurst Drive NE		Seattle	WA	98105
25	CD	Wedgwood Community Council		President		PO Box 15770		Seattle	WA	98115
26	CD	Eastlake Community Council	Owen	Reese		117 E. Louisa St., #1		Seattle	WA	98102
27		Eastlake Community Council	Zac	Eskenazi						
28	CD	The Ave Group	Patty	Whisler		6349 Sand Point Way NE		Seattle	WA	98115
29	CD	View Ridge Community Club			President		PO Box 15218	Seattle	WA	98115-0218
30	CD	Montlake Community Club				1618 E. Calhoun		Seattle	WA	98112
31	CD	Northeast District Council				4534 University Way		Seattle	WA	98105
32	CD	Ravenna Eckstein Comm Ctr				6535 Ravenna Ave NE		Seattle	WA	98115
			Ted	Hunter	tph@soundlowcenter.com					
		CUCAC								

33	CD	University Park Community Club	Ruedi	Risler	risler@uw.edu	5256 - 19th Ave NE	Seattle	WA	98105
34	CD	Wallingford Community Council	Mark	Christiansen	mwchristiansen@gmail.com	3933 Bagley Avenue	Seattle	WA	98105
35	CD	University Park Community Club	Barbara	Quinn	Barbara_Quinn@gmail.com	5264 16th Ave NE	Seattle	WA	98105
36	CD	UW Faculty Senate Representative	Ashley	Emery	Professor, UW Mech. Eng	Box 352600			
37	CD	University Dist. Comm. Council	Matthew	Fox	mattfoxseattle@hotmail.com	c/o 4534 University Way NE	Seattle	WA	98105
38	CD	University Dist. Comm. Council	Jorgan	Bader	Alternate				
39	CD	Ravenna Bryant Community Assoc	Brett	Frosaker	bforsaker@gmail.com	7046 - 19th Ave NE	Seattle	WA	98115
40	CD	Montlake Community Club	Lionel	Job	lnljob@gmail.com	2016 23rd Ave	Seattle	WA	98122
41	CD	Montlake Community Club			Alternate				
42		Laurelhurst Community Club							
		Alt Laurelhurst Community Club	Heather	Newman		3503 NE 44th Street	Seattle	WA	98105
43	CD	Laurelhurst Community Club	Jean	Amick	jeangamick@gmail.com	3008 Laurelhurst DR NE	Seattle	WA	98105
44		Laurelhurst Community Club	Jeannie	Hale		3425 W. Laurelhurst DR NE	Seattle	WA	98105
45	CD	UW Staff Representative	Jan	Arntz		Box 352205			
		UW Staff Representative	Kerry	Kahl	Senior Director, Enterprise Risk Mngment	B36 Gerberding			Box 351248
46	CD	Roosevelt Neighbor's Association	Dave	Eckert	david@eskimo.com	6207 12th Avenue NE	Seattle	WA	98105
47	CD	Roosevelt Neighbors Alliance	Eric	Larson		5015 - 9th Ave NE	Seattle	WA	98105
48	CD	U-District Partnership	Douglas (Doug)	Campbell		4108 University Way NE	Seattle	WA	98105
		U-District Partnership	Louise	Little	CEO, University Bookstore	4326 University Way NE	Seattle	WA	98105
49	CD	UW At-large Representative	Alex	Bolton		Box 351271	Seattle	WA	98105
50	CD	Portage Bay Roanoke Community Council	Betty	Swift		1213 E. Shelby St., Slip 15	Seattle	WA	98102
51	CD	Staff Alt	Kerry	Kahl		Box 351248	Seattle	WA	
52	CD (2nd address)	Staff At Large - Alt	Ray	Larson		Box 352166	Seattle	WA	
53	CD	GPSS Representative	Emma	Slager	GPSS Representative	eislager@uw.edu			Box 352238
		GPSS Representative-Tertiary Contact	Austin	Wright-Pettibone	Tertiary Contact				
				Changela					
54	CD	UW Student Representative	Shivani	changela@uw.edu	Dir. Of Comm. Relations	Husky Union Building 121	Seattle	WA	98195
55	HARDCOPY (PAPER ENV)	Eastlake Community Council	Chris	Lehman	Alternate	2370 Yale Avenue E	Seattle	WA	98102-3310
		Eastlake Community Council	David	Gee					
		Libraries							
56	CD + HARDCOPY	Seattle Public Library	Montlake	Branch		2401 - 24th Ave E.	Seattle	WA	98112
57	CD + HARDCOPY	Seattle Public Library	University	Branch		5009 Roosevelt Way NE	Seattle	WA	98105
58	CD + HARDCOPY	Seattle Public Library	Central	Library	Documents Dept.	1000 Fourth Ave	Seattle	WA	98104-1193
59	CD + HARDCOPY	UW Health Sciences Library				Box 357155			
60	CD + HARDCOPY	UW Suzzalo Library	Tom	Wallace	Reference Division	Box 352900			
61	CD + HARDCOPY	UW Suzzalo Library	Carla	Rickerson	NW Collection	Box 352900			
		University of WA							
62	CD + V'Ella letter	Office of Regional Affairs	Theresa	Doherty		Box 351243			
63	CD + V'Ella letter	Office of Planning & Budgeting	Kristine	Kenney	University Landscape Architect	Box 359445			
64	CD + V'Ella letter	College of Built Environments	John	Schaufelberger	Dean	Box 355726			

65	CD + V'Ella letter	Facilities Services	Charles	Kennedy	Assoc. VP	Box 352215
66	CD + V'Ella letter	Office of Planning & Budgeting	Rebecca	Barnes	University Architect	Box 359445
67	CD + V'Ella letter	University Police	John	Vinson	Chief	Box 355200
68	CD + V'Ella letter	Office of Environmental Stewardship and Sustain	Claudia	Frere	Manager	Box 351248
69	3 copies of everything + 3 CDs + 3 HARDCOPIES	CPO	Jan	Arntz	Environmental Planner	Box 352205
70	CD	Facilities Services	John	Chapman		Box 352160
71	LETTER only	CPO	Richard	Chapman	Assoc. VP	Box 352205
72	CD	Real Estate Office	Jeanette	Henderson	Director	Box 359446
73	CD	Office of Regional Affairs	Aaron	Hoard	Deputy Director	Box 351243
74	CD	CPO	Alan	Nygaard	Director, Business Services	Box 352205
75	CD	CPO	John	Palewicz	Director	Box 352205
76	CD	CPO	Steve	Tatge	Director	Box 352205
77	CD	AG	Quentin	Yerxa	Assistant Attorney General	Box 359475
78	CD	Parking Services				Box 351105
79	CD	Engineering Services				Box 352165
80	CD	Facilities Services				Box 354285
81	CD + HARDCOPY + SEPA Reg + Description + Public Notice	SEPA Public Information Center			Ofc of Pub. Rec & Open Pub. Mtgs	Box 354997
Newspapers						
	Email Ad letter + Notice	Seattle Times			Don't print these labels	
	Email Ad letter + Notice	Daily Journal of Commerce			Just email the papers w/ their personalized letter	
	Email Ad letter + Notice	UW Daily			and the Public notice	
	Email Ad letter + Notice	University Week				
	Email Ad letter + Notice	UW Tacoma Ledger				
	Email Ad letter + Notice	UW Bothell Husky Herald				
Others						
					See attached list from Jan specific to a job	
	Leave these notes here to jog Jan's memory re: who needs to receive what, but these will be entered in a separate list	Clients Surrounding Uses/Depts Committee Members CPO Director and Unit Manager Businesses Architects? Etc.				
SEPA Advisory Committee						
82	CD	SEPA Advisory Committee Member	Placeholder	Don't send w/o a name	ASUW Representative	1 already sent to ASUW Box 352238
83	CD	SEPA Advisory Committee Member	Rob	Lubin		Box 355842

84	CD	SEPA Advisory Committee Member		ASUW	Box 352238
85	CD	SEPA Advisory Committee Member	John	Shaheen	Box 355212
86	CD (2nd copy - don't send)	SEPA Advisory Committee Member	Kristine	Kenney	Box 359445
87	CD	SEPA Advisory Committee Member	Dave	Lundstrom	Mgr., Environmental Program Office Box 354110
88	CD	SEPA Advisory Committee Member	Dave	Ogrodnik	Box 352165
89	CD	SEPA Advisory Committee Member	Frieda	Taub	Box 355100
90	CD	SEPA Advisory Committee Member	Jane	Koenig	Box 357234
91					
		Additional Notification			
		See tabs for specific Project additions			

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