Background

Find help answering background questions[2]

1. **Name of proposed project, if applicable:**

   PW 774 WWU House of Healing

   PW825 WWU South Campus Infrastructure & Pedestrian Access Improvements

2. **Name of applicant:**

   1) Rolluda Architects/Kathi Williams

   2) Western Washinton University

3. **Address and phone number of applicant and contact person:**

   Applicant: Rick Benner, Planning & Development Director
   Facilities Development, MS 9122
   Western Washington University
   516 High Street, Bellingham, WA 98225
   Benner@wwu.edu
   (360) 650-3550

   Contact Person: Kathi Williams, Architectural Project Manager
   Rolluda Architects, Inc.
   105 S Main St, Suite 323
   Seattle, WA 98104
   kathi@rolludaarchitects.com
   (206) 371-3703

4. **Date checklist prepared:**

   March 15, 2024
   Design Stage: 100% Design Development
   Existing environment: in the existing state, no construction activities have been performed.
   Known or anticipated environmental impacts: none

5. **Agency requesting checklist:**

   Western Washington University, Facilities Development & Operations

6. **Proposed timing of schedule (including phasing, if applicable):**

   PW825 – Construction is planned from Spring 2024, to be completed by Fall 2024 (pending permit approval)

[2] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background

PW774 – Construction is planned from Spring 2024 to Summer 2025 (pending permit approval)

7. **Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

   PW774 and PW825 are related packages associated with the construction and public works associated with the WWU House of Healing project.

8. **List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**

   Geotechnical Engineering Report, WWU House of Healing, GeoTest, Inc., November 2022

   Cultural Resources Report for WWU House of Healing, Drayton Archaeology, October 2022

9. **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.**

   None identified

10. **List any government approvals or permits that will be needed for your proposal, if known.**

    City of Bellingham - Public facilities Construction Permit, Building, Fire, Electrical, and Mechanical permits

11. **Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)**

    PW 774 - Construction of a 4,200 square foot Native American Student Union in an existing clearing on an approximately 2.0 acres leased site. The building construction area is primarily limited to the clearing and a small area for entry to the clearing (38,000 sf). The project contains an increase of 4,300 net square feet of hard surfaces for 11,360 sf of total hard surfaces (gravel, concrete, asphalt, building). Off the main drive, there will be two accessible parking stalls, a trash/recycling enclosure, and a drop-off loop. The building will house offices, student study and resource spaces, a large meeting/gathering hall, a teaching kitchen, and support spaces.

    PW825 – The project includes public street, sidewalk, and utility improvements in 25th Street and Arboretum Drive to serve the House of Healing site. An 8-inch public sewer main and 10-inch public water main will be extended from 25th Street to the building site. A 2-inch asphalt overlay will be installed in 25th Street. Arboretum Drive will be rebuilt as a 3/4 street with perpending parking stalls along the south side of the street. A new sidewalk will be installed along 25th Street and Arboretum Drive from Bill McDonald Parkway to the House of Healing building site. Stormwater management for the reconstructed public street improvements will be provided in an underground flow control facility and an enhanced treatment vault.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The new House of Healing facility will be located on leased property within Sehome Arboretum. The assigned address is 505 Arboretum Drive, Bellingham, Washington 98225. The lease exhibit with a 'legal description' is attached.

The South Campus Infrastructure and Street Improvement work will improve 25th Street north of Bill McDonald Parkway and the southern 430 feet of Arboretum Drive north of 25th Street in Bellingham, Washington 98225.

Environmental Elements

1. Earth

Find help answering earth questions[3]

a. General description of the site:

The predominant building site is flat, with limited short embankments beyond the construction area. The public works site is developed with a public roadway with surrounding landscaping, forest, trailheads, signage, and shoulder parking.

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

b. What is the steepest slope on the site (approximate percent slope)?

There is a localized area with 44% slopes less than 10 feet in height.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them, and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The soil conditions encountered during the geotechnical investigation were dense/consolidated glacial drift over bedrock. Solid bedrock was encountered around 15-20 ft from the surface. There was a little fill encountered, but it was densely consolidated.

Squalicum-Urban land complex, 5 to 20 percent slopes, Hydrologic group B.

[3] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

None identified.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

The grading area for the building and street improvements is 84,000 square feet. The cut volume is 4,650 cu yd, and the fill volume is 4,700 cu yd. The purpose of the fill on the building site is to level the site for building and construction activities and to provide accessible routes of travel.

The source of the fill is from approved local gravel mines/pits. The permitted fill site to be determined by contractor prior to construction. Some of the cut material from the building construction site will be reused to create landscape berms (non-structural) around the building site.

f. Could erosion occur because of clearing, construction, or use? If so, generally describe.

Temporary erosion may occur during construction, due to removing surface vegetation, land disturbance, and soil exposure.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Within the immediate vicinity of the House of Healing building (38,000 sf) there will be 11,360 square feet of impervious surfaces, resulting in 29.9% impervious surfaces after project construction. Within the larger building site (~2 acres/87,000 sf), the impervious area is 13.1%.

Approximately 75% of the right of ways and public easements will be covered with impervious surfaces. However, Arboretum Drive is within a parcel with a total area of approximately 35.4 acres, including the Sehome Arboretum and the building construction site. The property will be covered with less than 10% impervious surfaces.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.

Erosion controls include silt fences, soil covering, and temporary construction stormwater filtration methods.

2. Air

Find help answering air questions[4]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

[4] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air

During the construction process, emissions may occur from contractor vehicles and machinery. After construction, auto emissions may occur from vehicles using the roadway. There will be minimal emissions from the building during operation and maintenance as the project is run on electrical power. During ceremonial activities, smoke from wood fires in the fish pits will occur. The cooking smoke will be of limited duration, much like an outdoor barbeque.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

During construction, the machinery operators will be asked to turn engines off and not let them idle when not in use.

3. Water

Find help answering water questions[5]

a. Surface:

Find help answering surface water questions[6]

1. **Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

   None identified.

2. **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

   No.

3. **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

   None.

4. **Will the proposal require surface water withdrawals or diversions? Give a general description, purpose, and approximate quantities if known.**

   No surface water withdrawals or diversions will occur.

[5] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water
[6] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water

5. **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

   No. The project site does not lie within a 100-year floodplain.

6. **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

   No.

b. Ground:

Find help answering ground water questions[7]

1. **Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give a general description, purpose, and approximate quantities if known.**

   No groundwater will be withdrawn.

2. **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (domestic sewage; industrial, containing the following chemicals…; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

   No waste material will be discharged into the ground. It will be piped into the municipal storm sewer.

c. Water Runoff (including stormwater):

1. **Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

   Stormwater runoff will be generated from new hard surfacing and landscape areas. The runoff from the building site will be collected in catch basins and piped to an underground treatment and detention system. Storm water runoff from the right of ways and sidewalks will be collected in catch basins and conveyed to a proposed public stormwater detention facility/treatment vault. The facility outfalls to the existing stormwater drain system along 25th Street. Downstream from the site, stormwater will be directed into Padden Creek through municipal conveyance systems.

2. **Could waste materials enter ground or surface waters? If so, generally describe.**

   Not anticipated.

[7] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater

3. **Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.**

   Not anticipated.

d. **Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:**

   Storm water volumes will be attenuated within the proposed detention system and water quality will be maintained through the proposed treatment vault.

4. Plants

Find help answering plants questions

a. **Check the types of vegetation found on the site:**

   ☒ **deciduous tree: alder, maple, aspen, other**

   ☒ **evergreen tree: fir, cedar, pine, other**

   ☒ **shrubs**

   ☒ **grass**

   ☐ **pasture**

   ☐ **crop or grain**

   ☐ **orchards, vineyards, or other permanent crops.**

   ☐ **wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other**

   ☐ **water plants: water lily, eelgrass, milfoil, other**

   ☒ **other types of vegetation**

b. **What kind and amount of vegetation will be removed or altered?**

   Grasses, one 6" deciduous tree. In conjunction with the Parks department, if any trees are deemed unsafe due to decay, they may be removed.

   Pasture grasses along Arboretum Drive along with several evergreens along 25th Street. Approximately 5 or fewer trees are expected to be removed and approximately 8,000 sf of grass will be disturbed and restored.

c. **List threatened and endangered species known to be on or near the site.**

   None identified.

d. **Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any.**

   The proposed landscape will incorporate the use of all native and culturally significant trees, shrubs, grasses, groundcovers found in Western Washington forest edges. Species include: Douglas Fir, Western Red Cedar, Evergreen Huckleberry, Vine Maple, Service Berry, Red Osiar Dogwood, Salal, Sword Fern, Common Yarrow,

Kinnikinnik, Spiked Bentgrass, Camisso Sedge, Tufted Harigrass, Creeping Spikerush and Bulrush.

Existing landscaping and forest will be maintained to the maximum extent feasible.

e. List all noxious weeds and invasive species known to be on or near the site.

Himalyan blackberries are located near the site.

5. Animals

Find help answering animal questions[8]

a. List any birds and other animals that have been observed on or near the site or are known to be on or near the site.

Examples include:

- **Birds: hawk, heron, eagle, songbirds, other:**
- **Mammals: deer, bear, elk, beaver, other:**
- **Fish: bass, salmon, trout, herring, shellfish, other:**

Deer, non-ESA song birds, non-ESA hawks, non-ESA Eagles

b. List any threatened and endangered species known to be on or near the site.

None identified.

c. Is the site part of a migration route? If so, explain.

Yes. The site is part of the Pacific Flyway migration route.

d. Proposed measures to preserve or enhance wildlife, if any.

Construction limits will be marked in the field to preserve wildlife habitats. The addition of rain gardens and native vegetation and trees are meant to enhance wildlife habitat.

e. List any invasive animal species known to be on or near the site.

None identified.

6. Energy and natural resources

Find help answering energy and natural resource questions[9]

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The project will rely entirely on electric energy sources for mechanical, lighting, equipment, and other building needs. The public works aspect of the project will not require energy sources.

[8] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals
[9] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

Not anticipated.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

The building project uses energy efficient mechanical systems and energy efficient LED lighting. Sensors limit the usage of mechanical and electrical energy when spaces are not occupied. The building envelope meets the energy code requirements of the City of Bellingham which are more stringent than those of the State of Washington.

7. Environmental health

Health Find help with answering environmental health questions[10]

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe.

None identified.

1. **Describe any known or possible contamination at the site from present or past uses.**

   None identified.

2. **Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.**

   None identified.

3. **Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.**

   None identified.

4. **Describe special emergency services that might be required.**

   None anticipated.

5. **Proposed measures to reduce or control environmental health hazards, if any.**

   None proposed.

b. Noise

1. **What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?**

[10] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health

Noise from traffic and the adjacent school campuses exists, but is not expected to negatively impact the project.

2. **What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site)?**

   Short term: Typical construction noise is expected during the construction period, from grading, paving, and framing activities. Hours of construction will generally be 7 a.m. to 7 p.m., depending on weather and conditions, but some exceptions may occur if needed, with advance permission from the University

   Long term: Noise from vehicle traffic (mostly along 25th) primarily during the daytime hours.

3. **Proposed measures to reduce or control noise impacts, if any:**

   Limit noise/construction to weekdays during the daytime. Eliminate idle time of machinery.

8. Land and shoreline use

Find help answering land and shoreline use questions[11]

a. **What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.**

   The building site is currently a grassy field surrounded by forest. The property to the south is the WWU Commissary. To the north and west are the Sehome Arboretum owned and operated by the City of Bellingham. Across Bill McDonald Parkway to the east is Sehome High School. The proposed project will not impact uses on the adjacent properties, except during road construction when access may be limited.

   The public works site is a developed public roadway with shoulder parking, landscaping, below ground utilities, and signage. Adjacent land use includes the WWU campus buildings and dormitories, Archives Northwest Region office, Sehome Arboretum, and Sehome High School.

b. **Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses because of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?**

   No.

[11] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use

1. **Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?**

   No.

c. Describe any structures on the site.

There are no structures on the proposed building site. Structures within the public works project limits are limited to street signage along the public roadway.

d. Will any structures be demolished? If so, what?

No.

e. What is the current zoning classification of the site?

Public/Institutional

f. What is the current comprehensive plan designation of the site?

Public

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

None identified

i. Approximately how many people would reside or work in the completed project?

3 or 4 full time staff, 15-30 students on an intermittent basis in the House of Healing

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any.

None required.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.

The project is in a Public Zoned site. The building is operated by Western Washington University. The design, both building and site, works to harmonize with the native landscape and traditional architecture of the Coast Salish Tribes, the students of which are served by the project.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

Project is sited in an existing grassy clearing to minimize impact to the surrounding forested areas.

9. Housing

Find help answering housing questions[12]

a. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**

   None/not applicable.

b. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**

   None.

c. **Proposed measures to reduce or control housing impacts, if any:**

   Not applicable.

10. Aesthetics

Find help answering aesthetics questions[13]

a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**

   The high point of the tallest roof is 25'-3". The principal exterior material is a combination of wood board and batten siding and fiber cement siding.

b. **What views in the immediate vicinity would be altered or obstructed?**

   No views would be altered or obstructed.

c. **Proposed measures to reduce or control aesthetic impacts, if any:**

   The building is surrounded by native vegetation softening its impact on the surrounding site.

11. Light and glare

Find help answering light and glare questions[14]

a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**

   There should be minimal glare at night from exterior light fixtures which face downward and have cutoffs.

b. **Could light or glare from the finished project be a safety hazard or interfere with views?**

[12] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing
[13] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics
[14] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare

No. There are no adjacent buildings that would be impacted by the minimal number of fixtures provided.

c. What existing off-site sources of light or glare may affect your proposal?

Adjacent streetlights may have limited impacts.

d. Proposed measures to reduce or control light and glare impacts, if any:

Baffles or cut-off light fixtures on site. Some fixtures are 'dark-sky' compliant. Others are downlights.

12. Recreation

Find help answering recreation questions

a. What designated and informal recreational opportunities are in the immediate vicinity?

Nearby recreational opportunities in Sehome Arboretum and Sehome High School athletic fields.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

The project will not impact recreation activities.

13. Historic and cultural preservation

Find help answering historic and cultural preservation questions[15]

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

None identified.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No. A cultural resources report was prepared by Drayton Archaelogy to evaluate the site. It is provided as an attachment to this checklist.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

[15] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p

A cultural resources study was conducted to assess potential impacts to resources on or near the project site..

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

Should resources be identified during course of construction, we will follow the protocol outlined in the appendix to the Cultural Resources Report 'Inadvertent Discovery Protocol.'

14. Transportation

Find help with answering transportation questions[16]

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

The site is accessed via 25th Street/Arboretum Drive. The entrance to the building site will be off Arboretum Drive.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

The site is not served by public transit. The nearest transit stop is approximately 300 feet south of the overall project site.

c. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

Yes. The project includes public improvements to 25th Street and Arboretum Drive.

d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

e. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

Vehicle trip generation will vary based on season and the WWU class calendar. When the University is in session, it is estimated that there will be 24 daily trips to the building site. This accounts for daily users (staff and students) and delivery and waste/recycling trucks. For daily users, peak trips would occur in the morning and evening. Approximately 10% of the trips will be trucks. It is anticipated that there will be weekly waste/recycling trucks and daily delivery trucks.

[16] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation

The public works part of the project includes public improvements to an existing roadway used primarily by arboretum visitors and WWU students. Vehicle trip generation will vary based on season and the WWU class calendar. No new trips are anticipated as part of this project since the work will only improve and upgrade existing streets.

f. Will the proposal interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No

g. Proposed measures to reduce or control transportation impacts, if any:

Project includes road widening and pedestrian access/parking improvements to increase site accessibility and control transportation impacts. When the House of Heaing is used for large gatherings, a proposed shuttle system will be used from a remote parking location to transport attendees. Students and staff are encouraged to use alternative modes of transportation – bicycles (racks are provided), public transit, walking.

15. Public services

Find help answering public service questions[17]

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

The University Police Department will provide services for the safety and security of the Project, to include routine patrol, and will respond to any emergent police service needs. In case of a fire, the Bellingham Fire Department would be the responding agency.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None

16. Utilities

Find help answering utilities questions[18]

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Electricity – Puget Sound Energy

[17] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services
[18] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities

Telephone – Lumen

Water, Sanitary Sewer, Stormwater, Fiber – City of Bellingham

Waste/Recycling collection – SSC

Signature

Find help about who should sign[19]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Recoverable Signature

X Katherine Williams

Signed by: 54aa2b71-fe41-4f3f-8250-263af53e6e88

Type name of signee: Katherine Williams

Position and agency/organization: Project Manager/Associate Principal, Rolluda Architects, Inc.

Date submitted: March 15, 2024

Supplemental sheet for nonproject actions

Find help for the nonproject actions worksheet[20]

Do not use this section for project actions.

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. **How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?**

    - **Proposed measures to avoid or reduce such increases are:**

[19] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature

[20] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-d-non-project-actions

2. **How would the proposal be likely to affect plants, animals, fish, or marine life?**

    - **Proposed measures to protect or conserve plants, animals, fish, or marine life are:**

3. **How would the proposal be likely to deplete energy or natural resources?**

    - **Proposed measures to protect or conserve energy and natural resources are:**

4. **How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection, such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?**

    - **Proposed measures to protect such resources or to avoid or reduce impacts are:**

5. **How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?**

    - **Proposed measures to avoid or reduce shoreline and land use impacts are:**

6. **How would the proposal be likely to increase demands on transportation or public services and utilities?**

    - **Proposed measures to reduce or respond to such demand(s) are:**

7. **Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.**