



File No. EA2023-104

CITY OF RICHLAND
Determination of Non-Significance

Description of Proposal: Construction of a 2-story building (single level with daylight basement with a layout of 6,130 square feet) with associated parking. There will be approximately 2,242 CY of cut which will balance on-site. Approximately 1.03 acres will be affected by the grading proposed for this project.

Proponent: Paul Knutzen
Knutzen Engineering
5401 Ridgeline Drive, Suite 160, Kennewick, WA 99338
509-222-0959

Location of Proposal: The site address is 304 Thayer Drive, Richland, WA 99352 and is located northeast of the intersection of Sanford Avenue and Thayer Drive with Benton County parcel number 1-1598-102-0400-004.

Lead Agency: City of Richland

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

() There is no comment for the DNS.

(X) This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for fourteen days from the date of issuance.

() This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

Responsible Official: Mike Stevens

Position/Title: Planning Manager

Address: 625 Swift Blvd., MS #35, Richland, WA 99352

Date: February 24, 2023

Comments Due: March 13, 2023

Signature _____

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization, or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable:
Sagebrush Montessori
2. Name of applicant:
Knutzen Engineering, Paul Knutzen
3. Address and phone number of applicant and contact person:
5401 Ridgeline Drive, Suite 160, Kennewick, WA 99338. / (509) 222-0959

4. Date checklist prepared:
12/19/2022
5. Agency requesting checklist:
City of Richland
6. Proposed timing or schedule (including phasing, if applicable):
Construction to begin approximately March 2023 and finish August 2023.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
None at this time.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
A geotechnical report will need to be prepared as well as a Hydrology Report to address stormwater management of the runoff generated on-site
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 known.
10. List any government approvals or permits that will be needed for your proposal, if known.
The project will require a grading permit, ROW permit and a building permit. Ecology will require an erosivity waiver for construction stormwater permitting.
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.)
This proposal includes construction of a 2-story building (single level w/ daylight basement with a layout of 6,130 SF) with associated parking.
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 project is located northeast of the intersection of Sanford Ave & Thayer Dr in Richland Washington with Benton County parcel number 115981020400004.

B. Environmental Elements [\[HELP\]](#)

1. Earth [\[help\]](#)

a. General description of the site:

(Circle one): Flat, rolling, hilly, steep slopes, mountainous other Gently sloping _____

- b. What is the steepest slope on the site (approximate percent slope)?
The steepest slope on-site is approximately 47% on the east side of the property. The majority of the site is approximately 3%.
- 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 on-site is classified as Quincy Loamy Sand per the USDA's Web Soil Survey.
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
No.
- 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 project site will be graded to allow for level building foundations and proper drainage on the site. There will be approximately 2,242 CY of cut which will balance on-site. Approximately 1.03 acres will be affected by the grading proposed for this project.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Erosion could occur on site but will be minimized through implementation of BMPs during construction, including silt fencing, construction entrances, ground cover, wattles, site watering for dust control, catch basin inserts and protection. All storm water run-off will be contained and managed on site.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
Approximately 54% of the 1.03-acre site will be covered in impervious surfaces including building, concrete, and asphalt.
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Standard erosion control and BMP methods will be used, such as catch basin protection, silt fencing, and stabilized construction entrances. Dust during construction will be controlled by the use of a water truck, as necessary.

2. Air [\[help\]](#)

- 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.
During construction minor amounts of dust and exhaust from equipment activity may be released into the air. The completed project will not affect air quality.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
None known.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:
Dust control measures will be implemented in accordance with recommendations by the Department of Ecology and the Benton County Clean Air Authority. Measures include but are not limited to watering, lowering speed, limit of construction vehicles, and reducing the number of dust-generating activities on windy days.

3. Water [\[help\]](#)

a. Surface Water: [\[help\]](#)

- 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

No water bodies in the immediate vicinity. The Yakima River is 0.5 miles to the south west of the project site.

- 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.

N/A.

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

None.

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

The site has not been designated to lie within a 100-year floodplain. FEMA map 535533 0015 E designates the site as an area of minimal flooding, Zone C.

- 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 Water: [\[help\]](#)

- 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 general description, purpose, and approximate quantities if known.

Groundwater will not be withdrawn at this site. The site will be supplied with domestic water from the City of Richland.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: 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.

N/A.

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.

New impervious area on-site including roofs of buildings, concrete walkways, and the asphalt parking lot. The stormwater system will consist of catch basins, conveyance pipes and subsurface infiltration trenches.

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

No.

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

No, all run-offs will be retained on-site.

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

Runoff generated from pervious surfaces will either infiltrate into underlying soils or flow to on-site collection systems. Stormwater generated from impervious surfaces will be collected and treated prior to on-site infiltration and all will be in accordance with City and Eastern Washington Storm Water Management Manual design standards.

4. Plants [\[help\]](#)

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?

The site is already landscaped for the current building in place. This new building will be placed where there is currently asphalt as well as a tree which will be removed.

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

None known per the Washington DNR Natural Heritage Program.

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

Native plants and trees will be planted in landscaped areas and around the perimeter of the site. The site will be landscaped in compliance with City of Richland standards.

- e. List all noxious weeds and invasive species known to be on or near the site.
None known per the WSDA Noxious Weed Data Viewer.

5. **Animals** [\[help\]](#)

- a. List any birds and other animals which 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 _____

- b. List any threatened and endangered species known to be on or near the site.
None know per the Washington Department of Fish and Wildlife (WDFW) PHS on the Web.
- c. Is the site part of a migration route? If so, explain.
Yes, the Columbia Basin is part of a migration route for a number of fowl known as the Pacific Flyway.
- d. Proposed measures to preserve or enhance wildlife, if any:
None currently.
- e. List any invasive animal species known to be on or near the site.
None known per the WDFW PHS on the Web.

6. **Energy and Natural Resources** [\[help\]](#)

- 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.
Electrical will be used for lighting and all appliances
- b. Would your project affect the potential use of solar energy by adjacent properties?
If so, generally describe.
No.
- 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:
All structures will meet current building codes and energy efficiency standards.

7. **Environmental Health** [\[help\]](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?
If so, describe.
No.
- 1) Describe any known or possible contamination at the site from present or past uses.
None known.

- 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.

- 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.

Diesel fuel will likely be used/stored on-site for construction vehicles. No hazardous chemicals will be stored on the completed project.

- 4) Describe special emergency services that might be required.

Typical emergency services provided through the City of Richland will be used for the completed project.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

None at this time.

b. Noise

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

The noise level in the area is not perceived to have any adverse effect on the project. Noise is mainly generated by vehicle traffic on Thayer Dr.

- 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: Construction noises.

Long term: Automobile noise from traffic associated with the site.

- 3) Proposed measures to reduce or control noise impacts, if any:

None currently.

8. Land and Shoreline Use [\[help\]](#)

- 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.

Currently the proposed property is vacant land and zoned Single Family Residential R-1-12. All surrounding properties share the same zoning designation and are mostly vacant currently. The proposal is not expected to affect the nearby or adjacent properties' land use.

- 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 as a result 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.

- 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.
Site is currently developed and is use by the Sagebrush Montessori Pre-School.
- d. Will any structures be demolished? If so, what?
The existing building will not be demolished.
- e. What is the current zoning classification of the site?
The site is currently zoned R-1-12 Single Family Residential, and the proposed use is permitted within this district.
- f. What is the current comprehensive plan designation of the site?
The current comprehensive plan designation of the site is Low Density Residential.
- g. If applicable, what is the current shoreline master program designation of the site?
N/A.
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.
No.
- i. Approximately how many people would reside or work in the completed project?
No one will be residing in the proposed development but there will be approximately 20 people working in the completed project.
- j. Approximately how many people would the completed project displace?
None.
- k. Proposed measures to avoid or reduce displacement impacts, if any:
N/A
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
The project will be permitted through local jurisdictions in accordance with all applicable zoning ordinances.
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:
N/A.

9. Housing [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
N/A.
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
None would be eliminated.
- c. Proposed measures to reduce or control housing impacts, if any:
None at this time.

10. Aesthetics [\[help\]](#)

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
The tallest height on the proposed buildings will be approximately 20' 10" from the base of the daylight basement to the top of the roof.

b. What views in the immediate vicinity would be altered or obstructed?
No views are anticipated to be adversely affected.

b. Proposed measures to reduce or control aesthetic impacts, if any:
Landscaping, setbacks, and City of Richland Building Department façade requirements will be used to control aesthetics.

11. Light and Glare [\[help\]](#)

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
Parking lot and building lighting would be proposed for nighttime.

b. Could light or glare from the finished project be a safety hazard or interfere with views?
No.

c. What existing off-site sources of light or glare may affect your proposal?
None known.

d. Proposed measures to reduce or control light and glare impacts, if any:
All outdoor lighting will be in conformance with the City of Richland code requirements. Outdoor lighting will be shielded per City of Richland Municipal Code.

12. Recreation [\[help\]](#)

a. What designated and informal recreational opportunities are in the immediate vicinity?
The site is located 0.25 miles southwest of Atomic Bowl. Beverly heights, Goethals, and James J. Lawless Parks are located within 1,500 ft radius around the project site.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No, the proposal would not displace any existing recreational uses.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Impact fees will be paid as required by the City of Richland.

13. Historic and cultural preservation [\[help\]](#)

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 know on-site per the Department of Archeology and Historic Preservation.

- 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.
The site is considered an area of interest for multiple native tribes according to the WISAARD system of the DAHP. No evidence of artifacts has been found to our knowledge.
- 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.
The WISAARD system of the DAHP was used to assess potential impacts.
- 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.
Upon any discovery of potential or known archeological resources at the subject properties prior to or during future on-site construction, the developer, contractor, and/or any other parties involved in construction shall immediately cease all on-site construction, shall act to protect the potential or known historical and cultural resources area from outside intrusion, and shall notify, within a maximum period of twenty-four hours from the time of discovery, the City of Richland Community Development Department of said discovery.

14. **Transportation** [\[help\]](#)

- 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 will be directly accessed from Thayer Dr on the west. Two separate accesses are proposed and will meet relevant spacing standards
- 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 currently served by public transit directly. The nearest transit stop is located approximately 0.3 miles southeast at Cottonwood and Thayer (Stop ID: RC172) and Thayer and Hoffman (Stop ID: RC433).
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
Approximately 26 parking stalls will be provided with the completed project. The proposal will eliminate 18 parking stalls.
- d. 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, frontage improvements including curb, gutter, and sidewalk will be required along Thayer Dr.
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
No.
- f. 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?
Approximately 75 trips during PM peak hours would be generated due to this proposal. These estimates were determined using the 9th Edition ITE Trip Generation Manual (Code 534).

g. 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.

h. Proposed measures to reduce or control transportation impacts, if any:
Transportation impact fees will be paid as required by the City of Richland.

15. Public Services [\[help\]](#)

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.
Yes, the completed development will utilize fire and police protection, as well as creating a need for public transit. Employees will utilize healthcare and schools.

b. Proposed measures to reduce or control direct impacts on public services, if any.
The completed development will provide additional tax revenue for the city and will pay impact fees, as necessary.

16. Utilities [\[help\]](#)

a. Circle utilities currently available at the site:

electricity natural gas water refuse service telephone sanitary sewer septic system,
other _____

c. 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 – Richland Energy Services

Sewer – City of Richland

Water – City of Richland

Cable – Charter

Telephone – Ziplly Fiber

Internet – Charter/Ziplly

Natural Gas – Cascade Natural Gas

C. Signature [\[HELP\]](#)

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.

Signature: 

Name of signee Paul Knutzen

Position and Agency/Organization Principal Engineer

Date Submitted: 12/19/2022

ESA LISTED SALMONIDS CHECKLIST

This worksheet was designed to help project proponents and government agencies identify when a project needs further analysis regarding adverse effects on ESA (Endangered Species Act) listed salmonids. Salmonids are salmon, trout, and chars, e.g., bull trout. For our purposes, "ESA listed salmonids" is defined as fish species listed as endangered, threatened, or being considered for listing.

If ESA listed species are present or ever were present in the watershed where your project will be located, your project has the potential for affecting them, and you need to comply with the ESA. The questions in this section will help determine if the ESA listings will impact your project.

The Fish Program Manager at the appropriate Department of Fish and Wildlife (DFW) regional office can provide information for the following two questions

1. Are ESA listed salmonids currently present in the watershed in which your project will be located?

Yes X No ___

Please describe.

2. Has there ever been an ESA listed salmonid stock present in this watershed?

Yes X No ___ Uncertain ___

Please describe.

If you answered "yes" to either of the above questions, you should complete the remainder of this checklist.

PROJECT SPECIFICS: The questions in this section are specific to the project and vicinity.

1. Name of watershed: Upper Mid-Columbia

2. Name of nearest waterbody: Yakima River

3. What is the distance from this project to the nearest body of water? 0.5 miles

Often a buffer between the project and a stream can reduce the chance of a negative impact to fish.

4. What is the current land use between the project and the potentially affected water body (*parking lots, farmland, etc.*)?

Single family residences properties.

5. Is the project above a:

- natural permanent barrier (waterfall) Yes___ No X
- natural temporary barrier (beaver pond) Yes___ No X
- man-made barrier (culvert, dam) Yes___ No X
- other (explain):

6. If yes, are there any resident salmonid populations above the blockage?

Yes___ No X Don't know___

7. What percent of the project will be impervious surface?

(Including pavement & roof area)?

Approximately 0.56 acres or 54% of the property.

FISH MIGRATION: The following questions will help determine if this project could interfere with migration of adult and juvenile fish.

Both increases and decreases in water flows can affect fish migration.

1. Does the project require the withdrawal of?

i. Surface water? Yes___ No X

Amount _____

Name of surface water body _____

ii. Ground water? Yes___ No X

Amount _____

From where _____

Depth of well _____

2. Will any water be rerouted? Yes___ No X

If yes, will this require a channel change?

3. Will there be retention or detention ponds? Yes___ No X

If yes, will this be an infiltration pond or a surface discharge to either a municipal storm water system or a surface water body?

If to a surface water discharge, please give the name of the waterbody.

The runoff generated on-site will be contained and routed to surface and/or subsurface infiltration facilities.

4. Will this project require the building of new roads?

Yes ___ No X *Increased Road mileage may affect the timing of water reaching a stream and may impact fish habitat.*

5. Are culverts proposed as part of this project? Yes ___ No X

6. Will topography changes affect the duration/direction of runoff flows? Yes ___ No X If yes, describe the changes.

7. Will the project involve any reduction of the floodway or floodplain by filling or other partial blockage of flows? Yes ___ No X

If yes, how will the loss of flood storage be mitigated by your project?

WATER QUALITY: The following questions will help determine if this project could adversely impact water quality. Such impacts can cause problems for listed species. Water quality can be made worse by runoff from impervious surfaces, altering water temperature, discharging contaminants, etc.

1. Do you know of any problems with water quality in any of the streams within this watershed? Yes ___ No X

If yes, describe.

2. Will your project either reduce or increase shade along or over a waterbody?

Yes ___ No X

Removal of shading vegetation or the building of structures such as docks, or floats often result in a change in shade.

3. Will the project increase nutrient loading or have the potential to increase

nutrient loading or contaminants (fertilizers, other waste discharges, or runoff) to the waterbody? Yes ___ No X

4. Will turbidity be increased because of construction of the project or during operation of the project? Yes ___ No X

In-water or near water work will often increase turbidity.

5. Will your project require long term maintenance, i.e., bridge cleaning, highway salting, chemical sprays for vegetation management, clearing of parking lots?

Yes ___ No X If yes, please describe.

VEGETATION: The following questions are designed to determine if the project will affect riparian vegetation, thereby, adversely impacting salmon.

1. Will the project involve the removal of any vegetation from the stream banks?
Yes ___ No X

If yes, please describe the existing conditions, and the amount and type of vegetation to be removed.

2. If any vegetation is removed, do you plan to re-plant?
Yes ___ No X If yes, what types of plants will you use?

