

SEPA ENVIRONMENTAL CHECKLIST

A. Background

1. Name of proposed project, if applicable:

Cleveland Channel Restoration Project (project)

2. Name of applicant:

Robert and Therese Cleveland

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

14750 447th Avenue SE
North Bend, WA 98045
(206) 334-0291

4. Date checklist prepared:

November 25, 2020

5. Agency requesting checklist:

King County

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

Homeowner will complete project as soon as practical after all permits received.

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

No.

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

Critical Area Memo (David Evans and Associates, Inc. 2020)

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.

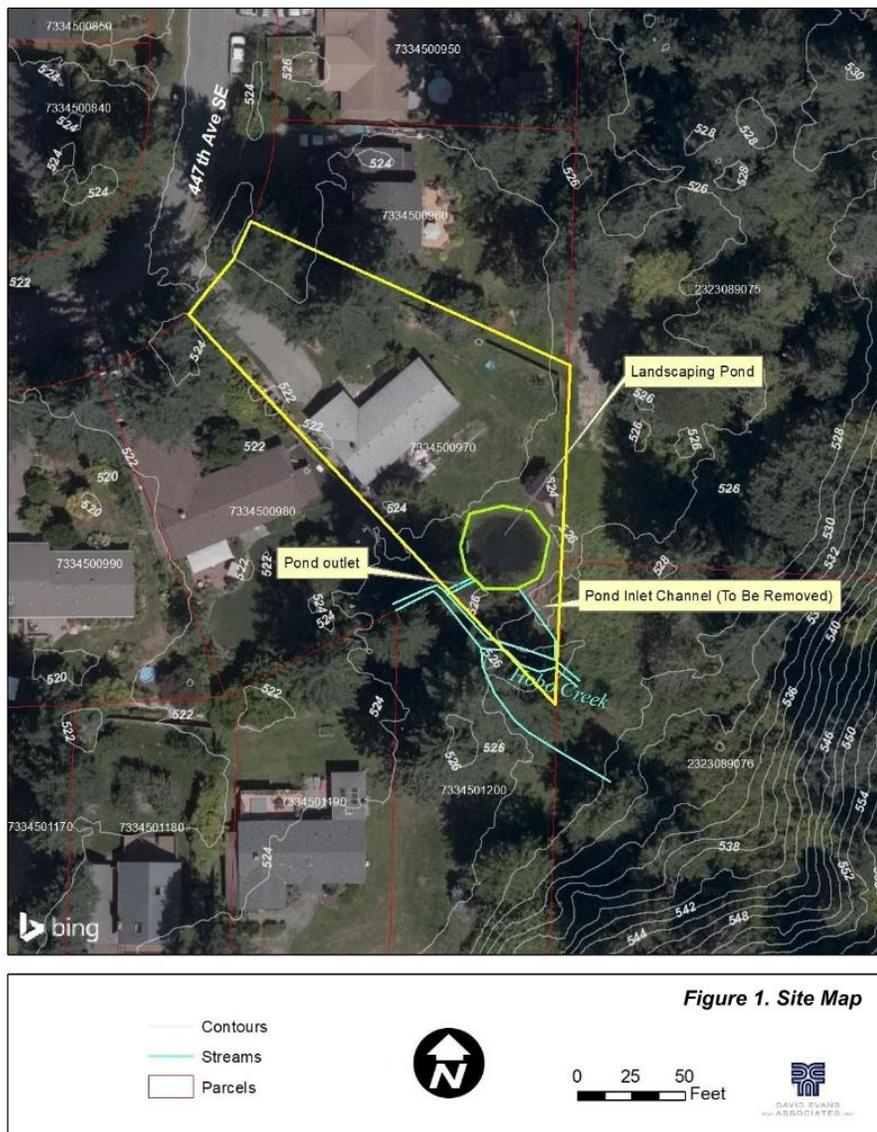
10. List any government approvals or permits that will be needed for your proposal, if known.

King County Clearing and Grading Permit
WDFW Hydraulic Project Approval (potential)

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.)

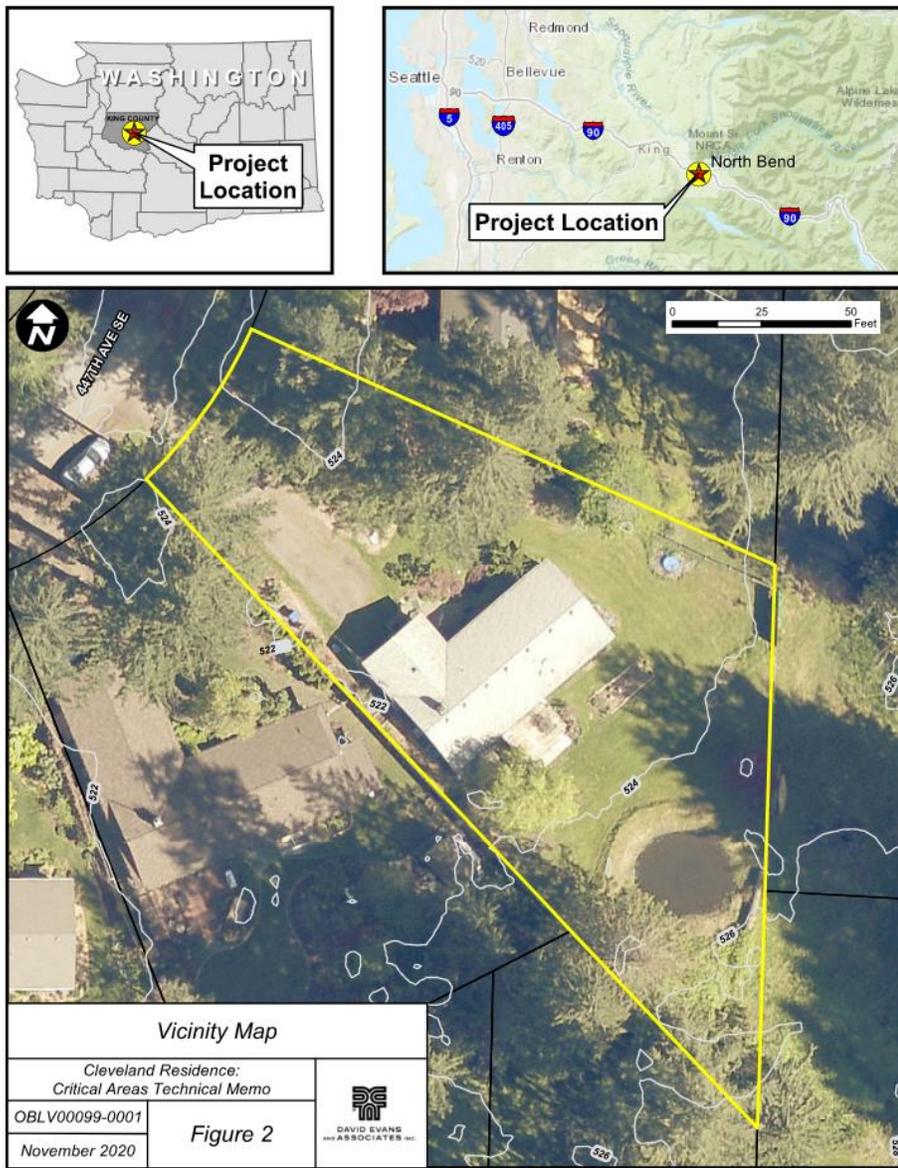
The project consists of restoration of an unpermitted inlet channel leading from Hobo creek to a created landscape pond. See **Figure 1, Site Map**, below. Restoration of the inlet channel will be very straightforward as the channel is extremely small and very shallow. Approximately 38 cubic feet of material will be required to fill the channel, which is equivalent to 1.4 cubic yards. Project activities will be carried out manually, with no mechanized equipment. Restoration will take place during low water, when the inlet channel is mostly dry.

After the inlet channel is filled and compacted, the owner of the subject property will plant a variety of native trees and shrubs to enhance the existing buffer of Hobo Creek. Restoration of the channel will begin just outside of the OHWM of HOBO Creek. The existing bed and bank of Hobo Creek will not be affected.



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 would occur at the applicant's home at 14750 447th Avenue SE, North Bend, WA 98045. See project location maps in the Critical Areas Memo (DEA 2020). The project is located within Section 23, Township 23 North, Range 8 East. See **Figure 2, Vicinity Map**, below.



B. Environmental Elements

1. Earth

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

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

The property is relatively flat, with a gentle slope from the southeast corner (back) to the street of less than 2 percent.

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.

Project activities will occur in natural soils consisting of silt loam.

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

No. King County Imap shows steep slopes more than 100 feet away on large properties to the east.

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.

Approximately 1.4 cubic yards of soil and gravel will be used to fill the excavated inlet channel, which is extremely small and very shallow. Source for material will likely be locally sourced native soil and gravel.

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

No.

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

The project would not result in any change in the amount or percentage of impervious surface on the homeowners property.

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

Straw wattles will be placed around the construction area in an abundance of caution to minimize potential interaction with Hobo Creek.

2. Air

- 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.**

No emissions will be created by the project. Only manual equipment will be used.

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

No.

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

None.

3. Water

a. Surface Water:

- 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.**

Hobo Creek, a Type F perennial stream, originates in the hills to the east, flows adjacent to the Cleveland property, then turns sharply southwest along the southern edge of Parcel 7334500980. It then continues west/southwest through the Riverbend community in a mix of culverts and open channels, eventually joining a downstream wetland complex prior to joining the South Fork Snoqualmie River.

Another stream is present on the neighboring property that joins Hobo Creek on its left bank.

An unnamed landscape pond is located on the subject parcel. This pond is currently connected to Hobo Creek through man-made inlet and outlet channels. The proposed project will fill the inlet channel to this pond, separating it from the Hobo Creek system.

- 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.**

The proposed project will fill the pond inlet channel with approximately 1.4 cubic yards of native soil and gravel. Work will be done manually. Enhancement of the Hobo Creek riparian buffer will consist of planting of 18 native trees and shrubs. See **Figure 3. Proposed Restoration Plan**, below.

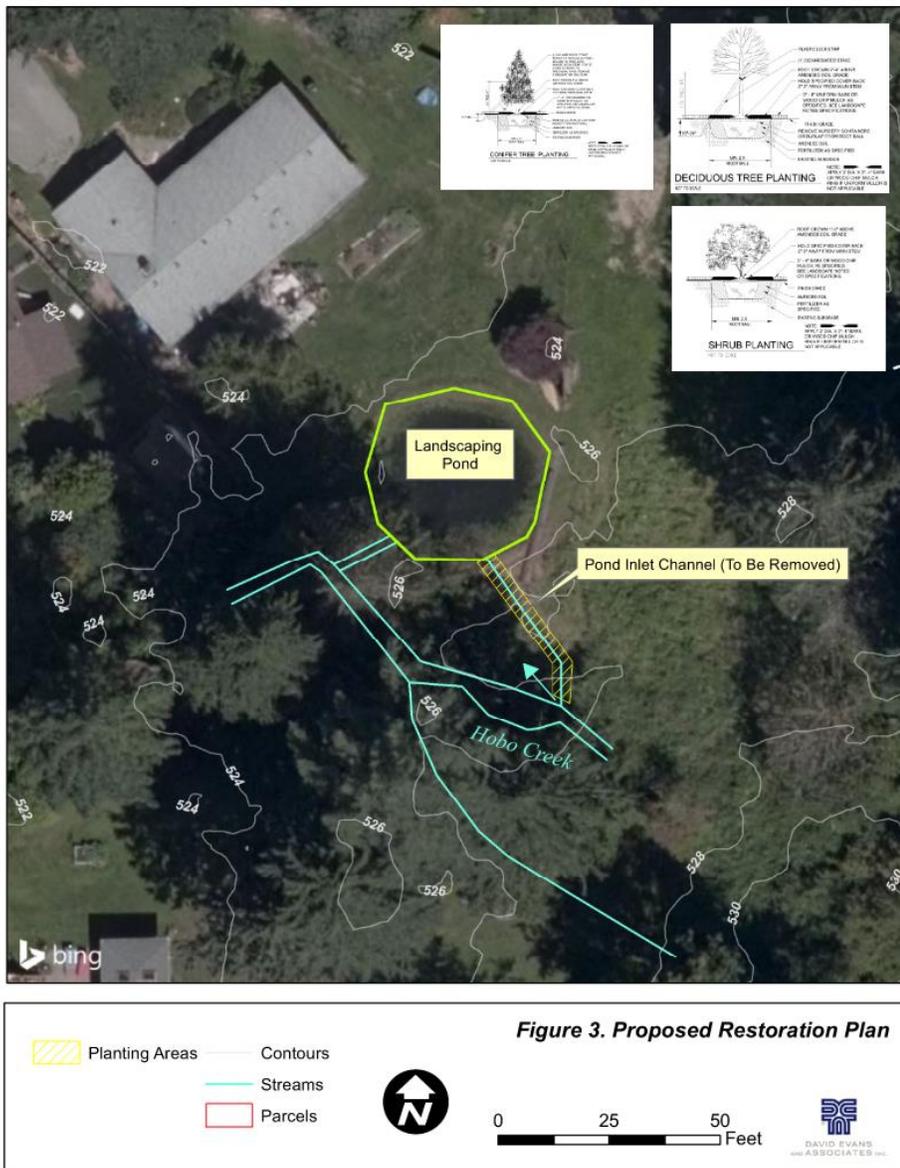


Figure 3. Proposed Restoration Plan

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.

1.4 cubic yards of native soil and gravel will be used to fill the pond inlet channel.

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

No.

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

No.

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:

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.

No.

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.

None.

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.

The project would not result in any change in runoff.

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, the project would not alter drainage patterns.

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

In order to ensure that no soil enters Hobo Creek, the property owner will isolate the inlet channel with straw wattles, staked to the ground to ensure that they do not shift position. In addition to straw wattles, the following measures will be used to minimize the risk of erosion or stormwater runoff into Hobo Creek:

- Clearing will be minimized to the extent possible, and clearing limits will be marked by fencing or other means on the ground;

- If the disturbed area is unworked for more than two days during the wet season (October 1 to April 30) or more than seven days during the dry season (May 1 to September 30), cover measures must be installed. These measures could include mulch or plastic sheeting.
- Work will be conducted in the dry season (between April and November).
- Soil, gravel, and other materials will not be stored close to Hobo Creek or the landscaping pond.
- All disturbed areas will be vegetated or permanently stabilized after construction is complete.

These measures will be in place for the duration of construction, which is anticipated to take less than 2 days. No significant runoff is anticipated from the disturbed area.

4. Plants

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?

Including the planting area, the proposed restoration will disturb less than 200 square feet of area. Small amounts of vegetation will be cleared at planting sites of 18 trees and shrubs in 1-2 gallon containers.

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

No T&E plant species are known to occur in the site.

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

Enhancement of the Hobo Creek riparian buffer will consist of planting 18 native trees and shrubs outside of the OHWM of Hobo Creek. Plantings will include 2 western red cedar, 4 woods rose, 4 dogwood, 4 salmonberry, and 4 tall Oregon grape. See Figure 3 for planting location.

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

Existing vegetation around the channel is mostly disturbed, dominated by Himalayan blackberry (*Rubus armeniacus*), evergreen blackberry (*Rubus lacianatus*), reed canarygrass (*Phalaris arundinacea*), and curly dock (*Rumex crispus*).

5. Animals

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: coyote
fish: bass, salmon, trout, herring, shellfish, other _____

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

According to the USFW IPAC species list (USFWS 2020), the following listed animals occur within 10 square miles of the proposed project:

- Gray wolf
- Marbled murrelet
- Yellow-billed cuckoo
- Bull trout

None of these species are expected to occur on the project site either because it is outside their documented range or no suitable habitat exists.

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

The site is part of the Pacific Flyway, a large area of the coast of the western United States used by migratory birds making seasonal movements between the northern and southern hemispheres.

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

None proposed.

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

Some common invasive species are present in the project site, including: Himalayan blackberry (*Rubus armeniacus*), evergreen blackberry (*Rubus lacianatus*), reed canarygrass (*Phalaris arundinacea*), and curly dock (*Rumex crispus*).

6. Energy and Natural Resources

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.

This project would not result in changes to the care or use of the project site. No changes to energy use would occur.

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:

None.

7. Environmental Health

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.

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.

None.

4) Describe special emergency services that might be required.

None.

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

None.

b. Noise

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

None.

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.

No noise would be associated with the project in either the short or long-term. Channel filling would be done by hand, likely with a wheelbarrow and shovel. Planting will be conducted by hand. Construction activities will take approximately two (2) days.

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

None.

8. Land and Shoreline Use

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 site is currently zoned LDR (low density residential 4 units/acre) (City of North Bend 2017). The proposed project will not affect land uses on this site or nearby properties.

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?

The site has been used as residential since 1977 (King County 2020).

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.

No structures are located on the project site, where construction work would occur. Structures on the property include one single family home.

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

No.

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

The site is zoned LDR (low density residential 4 units/acre).

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

The site is located in the Riverbend Neighborhood and is within the Urban Growth Area in the City of North Bend Comprehensive Plan (City of North Bend 2015).

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

No portion of the site is designated as shoreline in the City of North Bend's Shoreline Master Program.

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

The City of North Bend's Critical Area map below shows the project site located within a Category I Critical Aquifer Recharge Area, as well as a Seismic Hazard Site Classification D-E. Critical areas confirmed by DEA biologists to be nearby the site include Hobo Creek and a small unnamed creek. See also response to Question B 1 (b).

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

The project would result in no change to the number of people residing at the single family residence on the subject property.

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

None.

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

None needed.

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

None needed. The project is compatible with existing and future land uses and plans.

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

None needed.

9. Housing

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

None.

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:

None.

10. Aesthetics

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

Not applicable. The project does not propose to build any structures.

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:

None needed.

11. Light and Glare

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

None.

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

None.

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

None.

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

None needed.

12. Recreation

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

None.

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:

None needed.

13. Historic and cultural preservation

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.

No.

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.

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.

Washington State Department of Archaeology and Historic Preservation's WISAARD database was searched on December 04, 2020. The subject property was shown as inventoried (Property ID 717855; Resource ID 691645), but Determined Not Eligible.

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.

None needed.

14. Transportation

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 proposed project is accessed by 447th Avenue SE. Construction activities will not require additional access, as soil/gravel fill will be moved from the driveway by manual efforts (likely wheelbarrow) to the project site.

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 project is located within Snoqualmie Valley Transportation's (SVT) Upper Valley Service Area for door to door request services. It is also located within the SVT's Cedar Falls Loop, which services downtown North Bend, Wilderness Rim, Rattlesnake Lake, and Riverbend. Buses stop in response to being flagged down in the Riverbend portion of this route that circles 447th Avenue SE (SVT 2020).

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

The project would not include addition or removal of any parking spaces.

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).

No.

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?

None.

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:

None needed.

15. Public Services

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.

No.

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

None needed.

16. Utilities

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.

No utility work is proposed as part of the project.

C. Signature

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 _____

Position and Agency/Organization _____

Date Submitted: _____

D. References

- City of North Bend, WA. 2015. City of North Bend Comprehensive Plan. Accessed 12.04.2020. Available at: https://northbendwa.gov/DocumentCenter/View/7338/North-Bend-CompPlan_Final-SPREAD.
- City of North Bend, WA. 2017. City of North Bend Official Zoning Map. Effective November 1, 2017. Accessed 12.04.2020. Available at: <https://northbendwa.gov/DocumentCenter/View/891/Zoning-Map>.
- David Evans and Associates, Inc. 2020. Technical Memo Addressing Restoration of Critical Areas at Cleveland Residence – 14750 North Bend, WA – PREA19-0254/ENFR19-0779.
- King County Department of Assessments. 2020. eReal Property. Accessed 12.04.2020. Available at: <https://blue.kingcounty.com/Assessor/eRealProperty/Detail.aspx?ParcelNbr=7334500970>.
- Snoqualmie Valley Transportation (SVT). 2020. Cedar Falls Loop. Accessed 12.4.2020. Available at: <https://svtbus.org/cedar-falls-loop/>.
- U.S. Fish and Wildlife Service (USFWS). 2020. IPaC Information for Planning and Consultation. Accessed 12.04.2020. Available at: <https://ecos.fws.gov/ipac/location/IQ5G4I3OZBCSBHCYMCP3Z47R4I/resources>.