

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

1. Name of proposed project, if applicable: **Bonnie Brook Stream Corridor Restoration**
2. Name of applicant: **Highlands Sewer District.**



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

Highlands Sewer District
Paul Konrady, Administrator
181 NW Highlands Dr.
Shoreline, WA 98177
206-362-2100 (Office)

4. Date checklist prepared: **August 16, 2019**

5. Agency requesting checklist: **City of Shoreline**

6. Proposed timing or schedule (including phasing, if applicable):
Construction planned for the summer of 2020

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.

Two critical area reports, restoration/mitigation plans, and a Stormwater Pollution Prevention Plan are being submitted along with the parent application.

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. **No.**

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

**City of Shoreline Site Development Permit
Washington State Department of Fish and Wildlife (WDFW) HPA Permit (HPA)
US Army Corps of Engineers (USCOE) Jurisdictional Determination (JD)**

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.) **Restoration of approximately 4,000 s.f. a stream corridor that will be cleared and graded to replace an existing dilapidated storm drainage pipeline.**

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 in The Highlands and crosses the properties at 35 and 37 NW Cherry Loop, Shoreline, WA (SW1/4 Sec. 13 of T26N, R3E). Site plans and maps are included in the permit application.**

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 site slopes less than 10%. There are nearby steep slopes which are described in detail in the geologic hazards Critical Area Report.
- 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. **Glacial tills and consolidated sands.**
- 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.
Replacement of the Bonnie Brook pipeline will disturb approximately 4,000 sf a critical area (stream), about 200 CY of material will be excavated, and about 100 CY of gravel will be used for pipe bedding.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
The erosion potential of the proposed project is very low. As discussed in the geologic hazards report, there are no areas of erosive soils in the vicinity of the Project.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? **No change.**
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Rerouting of upstream flow will be managed by diverting the overall stream flow to the fountains south of the pipe. Erosion control best management practices will be deployed pursuant to standard practices and as specified in the Stormwater Pollution Prevention Plan.

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.
Emissions from construction equipment and ground disturbance dust may occur during construction. Upon project completion, no additional emissions will be generated.
- 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:
Construction equipment and operations will be in accordance with PSAPCA standards.

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. **The pipeline conveys the flow of Bonnie Brook westerly to the Puget Sound. Upstream, Bonnie Brook headwaters are created by springs immediately to the east. An inventory map indicating the location of surface water is included in the wetland and streams Critical Area Report.**
- 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. **Yes, the proposed pipe replacement is the piped portion of Bonnie Brook. See construction plans prepared by CHS Engineers.**
- 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 general description, purpose, and approximate quantities if known. **None**
- 5) Does the proposal lie within a 100-year floodplain? **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. **During construction the stream flow will be valved to flow to the fountain system on Lot 35. The fountain system historically and typically convey all stream flow during the summer months. The fountain system bypasses the proposed replacement segment of pipe and is then joined into existing conveyance pipes downstream of the project site.**
- 2) Could waste materials enter ground or surface waters? If so, generally describe. **Not as a result of this proposal.**
- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. **No.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: **Revegetation and related mitigation steps described in geologic hazards Critical Area Report, the wetland/stream Critical Area Report, and throughout the mitigation plans will be implemented.**

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? **All of the laurel hedge and 19 trees near the piped stream will need to be removed. An additional 9 trees may have to be removed depending on the amount of root removal that occurs during construction. See construction plans for additional details .**
- c. List threatened and endangered species known to be on or near the site. **None.**
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **A disturbed site re-vegetation plan will be implemented as required by City of Shoreline Municipal Code 20.80.250.C.**
- e. List all noxious weeds and invasive species known to be on or near the site.
Himalyan blackberry

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: **Urban birds native to Western Washington**
 - mammals: deer, bear, elk, beaver, other: **Urban mammals native to Western Washington**
 - fish: bass, salmon, trout, herring, shellfish, other _____
- b. List any threatened and endangered species known to be on or near the site. **The site is used by pileated woodpecker for perching and forage. No nests have been observed.**
- c. Is the site part of a migration route? If so, explain. **No**
- 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. **None known**

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. **Not applicable.**
- 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: **Not applicable.**

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. **None known.**
 - 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 known.**
 - 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 expected.**
 - 4) Describe special emergency services that might be required. **None expected.**
 - 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)? **None known.**
- 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 noise will be generated by heavy machinery during excavation of the buried pipe.**
- 3) Proposed measures to reduce or control noise impacts, if any: **Construction work will be required to be performed within The Highlands working conditions which are more stringent than City noise ordinances.**

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. **All properties in the area, including the two properties on which the project will occur, are single-family residential.**
- 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. **There are single family homes on both properties.**
- d. Will any structures be demolished? If so, what? **No.**
- e. What is the current zoning classification of the site? **R-4 Residential single family**
- f. What is the current comprehensive plan designation of the site? **R-4 Residential single family**
- g. If applicable, what is the current shoreline master program designation of the site? **A portion of the project site is within the Urban Conservancy shoreline environment.**
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. **The City of Shoreline has inventoried a piped stream, landslide and steep slope critical areas. The critical areas are mapped in the geologic hazards and wetland/streams Critical Area Reports.**
- i. Approximately how many people would reside or work in the completed project? **None.**
- j. Approximately how many people would the completed project displace? **None.**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **None.**
- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **Not Applicable.**
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: **Not Applicable**

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **Not Applicable**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **Not Applicable**
- c. Proposed measures to reduce or control housing impacts, if any: **Not Applicable**

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**
- b. What views in the immediate vicinity would be altered or obstructed? **Not Applicable.**

- c. Proposed measures to reduce or control aesthetic impacts, if any: **Not Applicable.**

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **No light or glare is expected to be produced by the proposal.**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **Not Applicable.**
- 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: **Not Applicable.**

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? **There is a vacant parcel east of the site which is used for passive recreation.**
- 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: **Not Applicable**

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. **Both single family homes are older than 45 years.**
- 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. **None known**
- 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. **Previous permitting actions associated with the project site and the immediate area have shown no indication of significance.**
- 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. **Not applicable.**

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 site is accessed via NW 145th St. Streets within The Highlands are private and accessible only through monitored gates.**

- 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? **Sound Transit bus service is available on Greenwood Ave which is about one mile to the east.**
- d. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? **Not applicable.**
- 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). **Not applicable.**
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **Not applicable.**
- 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. The project does not change the existing use of the property relative to offsite traffic.**
- 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: **Not Applicable**

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. **Not Applicable**

16. Utilities

- a. Circle utilities currently available at the site: **Electricity, natural gas, water, refuse service, telephone, sanitary sewer, storm water, cable TV, and communication lines.**
- 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. **Not Applicable, the project is a utility improvement.**

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: **Paul Konrady**

Position and Agency/Organization: **District Administrator, Highlands Sewer District**

Date Submitted: **August 16, 2019**