CITY OF MUKILTEO

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

1. Name of proposed project, if applicable: Mukilteo Ridge HOA Steep Slope Restoration

2. Name of applicant: Mukilteo Ridge HOA

3. Address and phone number of applicant and contact person: Tarvinder & Suman Hara, 10305 50th Place W, Mukilteo, WA, 425-315-5425

4. Date checklist prepared: 01/31/22

5. Agency requesting checklist: City of Mukilteo

6. Proposed timing or schedule (including phasing, if applicable): Dry season, April – Oct 2022.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. None proposed.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
Wetland and Stream Report, by AECOM
Geotechnical Report, by Zipper Geo
Mukilteo Ridge HOA - Mitigation Plan, by Wetland Resources Inc.

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.
None known.

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 proposed project is a slope stabilization project to install a gabion wall to remedy a failing slope downstream of the detention facility for the Mukilteo Ridge development. It appears the slope was damaged when an existing storm pipe traversing the slope broke. The pipe has been repaired, but the pipe is to be replaced and re-routed to help prevent against future failures.

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 proposed project is located on parcel # 28040300203200 in Mukilteo, WA. The area of interest is the creek bluff located approximately 150 feet south of the east end of Deborlan Ln. and roughly 25 feet east of the existing unnamed paved road.

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)?
40 - 90%

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 site is primarily underlain by about 11 feet of medium dense sand-silt mixtures (SP, SM, SP/SM) followed by generally dense mixtures of sands, silts, and gravel extending to the maximum explored depth of 25 feet. These soils most likely represent locally known advance outwash deposit. It appears Vashon till is not present at the site.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
Sandy soils present in the site vicinity area are highly susceptible to erosion. Many of the nearby slopes appear to have been eroded over time. Sand-silt loam and local geology and topography is susceptible to landsliding and slope instability.

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 purpose of the fill is to provide stabilization behind the proposed wall. Approximately 200 cu yds of cut will be required for the excavation and about 380 cu yds of fill (including the gabion wall material) will be imported from an approved upland location.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
The site is located in a landslide susceptible area and the site is underlain by soils and geologic conditions that are susceptible to landslides and severe erosion. Historically, with construction and man-made drainage features in such area, there is an inherent risk associated with ground movement.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
No new impervious area is proposed as part of this project scope.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Proposed measures to reduce or control erosion include gabion retaining wall, foundation underpinning (if required), and continuous monitoring of the wall installation. Provide adequate erosion protection on the exposed slope surfaces to avoid further erosion.

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 air emissions will be produced by this finished project. Some vehicle emissions will occur during construction. Maintenance should be rare, but may generate some vehicle emissions.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
Off-site sources of emissions or odor are not expected to affect this proposal.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:
None proposed.

1) ***Water***

2) Surface Water:

3) 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.
Yes. AECOM mapped three streams within the project site. The project site is located within a steep ravine containing an unnamed seasonal stream (Tributary 1), roughly 1 foot in width and less than 1 inch in depth, that drains into Edgewater Creek. A second, smaller unnamed stream (Tributary 2) joins Edgewater Creek approximately 250 feet north of the gabion and project area. This stream is also less than 1 inch deep and less than 1 foot wide and is likely a seasonal non-fish bearing stream. Edgewater Creek is a high gradient stream, roughly 3 feet in width and 1 to 3.5 inches in depth, that flows into Japanese Gulch Creek before draining into Possession Sound. AECOM delineated one 0.12-acre wetland (Wetland A) in the project area during the January 16, 2019 site visit, in approximately the same area as the wetland delineated by Curran Environmental Services in 2008. Wetland A is classified as a Palustrine Scrub-Shrub wetland with Saturated and Permanently Flooded water regimes (PSSBH) according to the NWI/Cowardin classification system. Wetland A is classified as riverine, as it contains Edgewater Creek within its boundaries. The wetland's primary hydrologic inputs are from the drainage ravine near the project site, Edgewater Creek, and overbank flooding. The wetland's primary outlet is Edgewater Creek. Wetland A contains a water table within 12 inches of the surface, and soils within the wetland were saturated or flooded within the stream channel during the site visit.

4) 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 new wall will near the top of one of the unnamed tributary streams and within the wetland buffer.

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.
Work within the steams or wetland is not proposed. No fill or dredge is proposed within the existing surface water or wetland.

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.
None proposed.

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.
Storm water will continue to drain through the project area as it does under existing conditions. The existing storm pipes will be anchored to proect against failures in the future.

2) Could waste materials enter ground or surface waters? If so, generally describe.
Not as part of the proposed project once constructed.

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:

The existing stormwater pipes will be repaired and will be anchored as part of the proposed wall construction and slope stabilization.

4. Plants

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

_X___deciduous tree: alder, maple, aspen, other
_X___evergreen tree: fir, cedar, pine, other
____shrubs
_X___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?

Some existing blackberries and grasses will be removed as part of the project.

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

None known.

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

The final slope will be vegetated for slope stabilization as recommended by the geotech and / or environmental consultant.

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

Blackberries were observed at the site, other invasive species may exist.

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

Birds: black-capped chickadee, red-breasted nuthatch, hairy woodpecker, Bewick's wren, American crow, and gulls.
Mammals: squirrel, raccoon, opossum, and possibly mountain beaver.
Fish: None within work area

b. List any threatened and endangered species known to be on or near the site.
Chinook and steelhead potentially downstream of the site in Edgewater Creek.

c. Is the site part of a migration route? If so, explain.
None Known

d. Proposed measures to preserve or enhance wildlife, if any:
The final project will provide natural cover for wildlife away from the urban environment.

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.
None required for final project.

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:
There are no energy conservation features included in the plans of this proposal.

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 anticipated.

4) Describe special emergency services that might be required.
None anticipated.

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.
Short term construction.

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 current site is undeveloped land. The proposal does not affect current land uses on nearby or adjacent 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?
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.
A pump house is located on the top of a bluff on the southwest portion of the parcel. The study area is within a residential neighborhood.

d. Will any structures be demolished? If so, what?
No.

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

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

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.
The work area is a steep slope and entirely located within the regulated buffers of surrounding wetlands and streams as described in the Wetland and Stream Report dated February 2019 by AECOM. Compensatory mitigation for buffer impacts will be provided by utilizing the City of Mukilteo's Habitat Reserves (MHR) as described in the City's Critical Areas Mitigation Program (CAMP). This proposal is discussed in detail in the Mukilteo Ridge HOA Mitigation Plan dated February 3, 2022 by WRI.

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:
None.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:
None.

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?
None.

b. What views in the immediate vicinity would be altered or obstructed?
None.

d. Proposed measures to reduce or control aesthetic impacts, if any:
None.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
The proposed project is located within a forested area. It is not expected that there will be any issues with light or glare.

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.

d. Proposed measures to reduce or control light and glare impacts, if any:
None.

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.
None.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
None.

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.
None.

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.

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.
None.

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.

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.
Accessed via Deborlan Ln.

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?
No.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
None.

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).
None.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
None.

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.

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, the project will not result in an increased need for public services.

b. Proposed measures to reduce or control direct impacts on public services, if any.
None.

16. Utilities

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

e. 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.
None.

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 Jeff Mallahan

Position and Agency/Organization Senior Ecologist, Wetland Resources Inc.

Date Submitted: 2/11/22

D. Supplemental sheet for nonproject actions

(**IT IS NOT NECESSARY** to use this sheet 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?
As this is a remediation project, there are no proposed increases to the above parameters

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?
The work area is a steep slope and entirely located within the regulated buffers of surrounding wetlands and streams as described in the Wetland and Stream Report dated February 2019 by AECOM.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:
Compensatory mitigation for buffer impacts will be provided by utilizing the City of Mukilteo's Habitat Reserves (MHR) as described in the City's Critical Areas Mitigation Program (CAMP). This proposal is discussed in detail in the Mukilteo Ridge HOA Mitigation Plan dated February 3, 2022 by WRI.

3. How would the proposal be likely to deplete energy or natural resources?
N/A

Proposed measures to protect or conserve energy and natural resources are:
N/A

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?
See above

Proposed measures to protect such resources or to avoid or reduce impacts are:
See above

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?
N/A

Proposed measures to avoid or reduce shoreline and land use impacts are:
N/A

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

Proposed measures to reduce or respond to such demand(s) are:
N/A

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.
The project is in compliance with all local, state, and federal laws.