King County
Water and Land Resources Division
Department of Natural Resources and Parks
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WAC 197-11-960: 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.

A. Background

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

   Fairwood Crest Fish Barrier Removal (Project #1117559)

2. **Name of applicant/lead agency:**

   King County Department of Natural Resources and Parks (DNRP), Water and Land Resources Division (WLRD)

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

   King County Department of Natural Resources and Parks
   Water and Land Resources Division
   King Street Center
   201 South Jackson Street, Suite 600
   Seattle, WA 98104-3856

   Contact Persons:
   Rachel Berryessa, Project Manager
   206-477-4644, Rachel.Berryessa@kingcounty.gov

   Jon Polka, Project Engineer
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4. Date checklist prepared:

October 12, 2020

5. Agency requesting checklist:

King County DNRP, WLRD

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

The proposed project is planned for construction during the summer and fall of 2021. Active construction is estimated to take up to 20 working days in the summer months. Plant installation is estimated to take approximately three working days in Fall 2021 and another three working days in Spring 2022.

Previous work completed at the site in relation to the proposed project includes:

- 2011: Repair of a sink hole along the piped portion of Molasses Creek, including replacement of 100 feet of the pipe
- 2017: Repair of sink hole along the piped portion of Molasses Creek, including realignment of 180 feet of the pipe system; this work included the removal of six trees
- 2019: Demolition of structures on WLRD-owned parcel 2473400660.
- 2020: Relocation of a shed on an adjoining private parcel, and removal of four trees.

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

There are no plans for further activity at the project location; however, WLRD is evaluating opportunities for future projects on Molasses Creek to further benefit fish passage.

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

The following environmental information has been prepared by King County for this project:

- King County Historic Preservation Program Cultural Resources Review (September 13, 2019)
- *Hydrology, Hydraulics, Floodplain Analysis, Streambed Material, and Wood Calculations* (memo dated December 19, 2019)
- *Joint Aquatic Resources Permit Application Form* (December 31, 2019)
- *Endangered Species Act (ESA) Section 7 and Magnuson-Stevens Act No Effect Letter Updated* (May 16, 2020)

- *Fairwood 11 Culvert Replacement 2: Project #1117559 Geotechnical Report* (April 2013)

Additional environmental information that will be prepared for this project includes the following:

- *Technical Information Report* per the *King County Surface Water Design Manual*
- *Critical areas impact and mitigation memo* per King County critical areas code

The following environmental information prepared by King County relates to the project and site:

- *State Environmental Policy Act (SEPA) Categorical Exemption – Stormwater Facility D91355/DR0516 Pumping and Repair at Fairwood Crest Homeowners Association Park* (memo dated June 28, 2017)
- *SEPA Exemption Determination, Project: Stormwater Facility D91355/DR0516 Facility Repair* (June 29, 2017)
- *Emergency Authorization Request – Fairwood 11 (Facility D91355/DR0516) Interim Repair Project* (July 3, 2017)

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.

There are no known applications pending government approval of other proposals directly affecting the property covered this proposal.

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

The following approvals and permits are required before the proposed project proceeds to construction:

- Nationwide Permit authorization from the United States Department of the Army, Corps of Engineers (ACOE), including review for compliance with:
    - ESA
    - Magnuson-Stevens Fishery Conservation and Management Act
    - National Historic Preservation Act
- Hydraulic Project Approval (HPA) from the Washington State Department of Fish and Wildlife (WDFW)
- Clearing and Grading Permit from King County Department of Local Services Permitting Division (DLS)

- Flood Hazard Certification from DLS

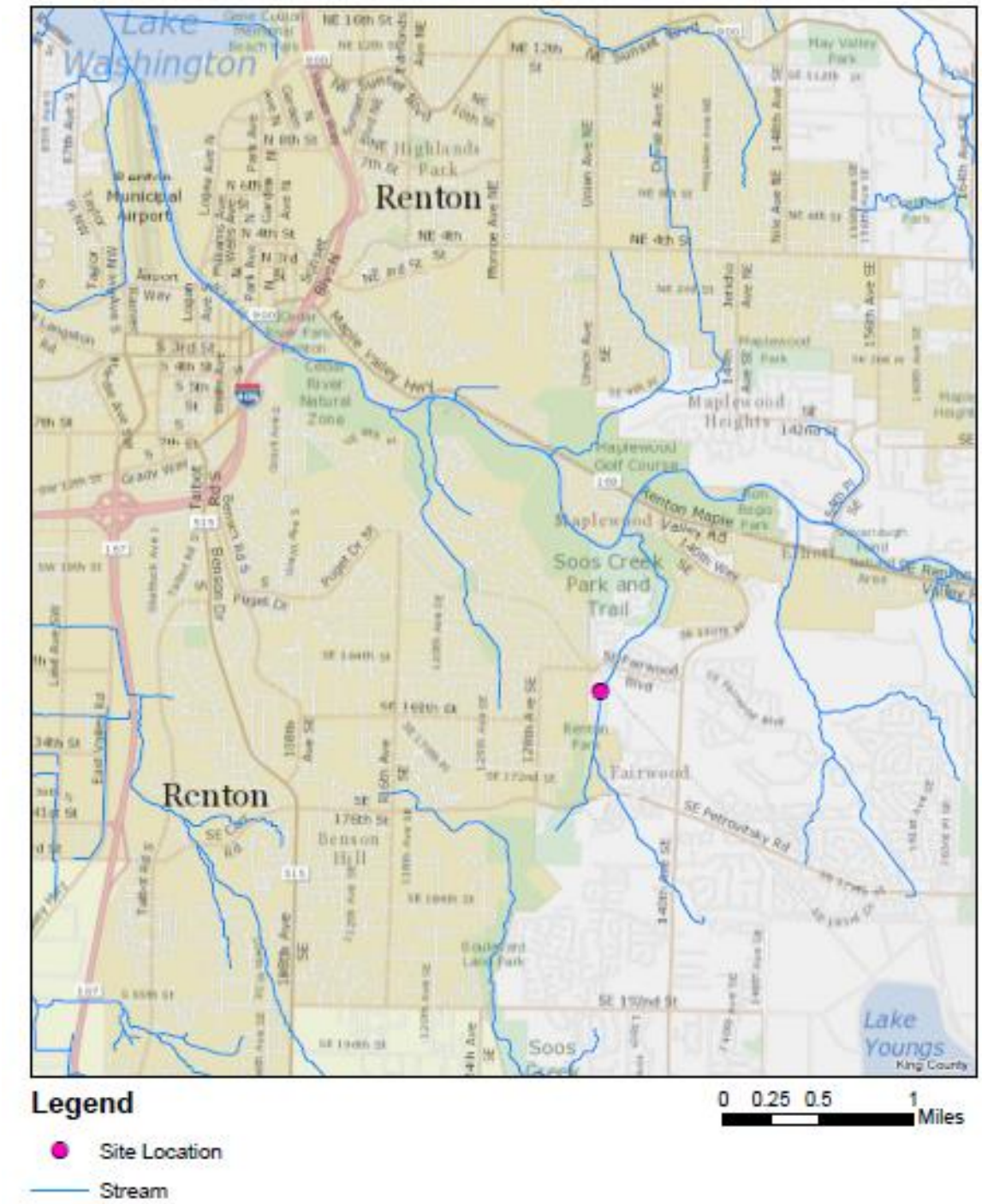
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies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

The proposal is to remove a man-made fish barrier in Molasses Creek by modifying an in-stream stormwater detention facility. Approximately 183-feet of pipe (consisting primarily of 48-inch-diameter pipe) and drainage structures (catch basins) will be removed. Approximately 190-feet of roughened stream channel will be created. The new stream channel will have an engineered streambed mix, boulder clusters, and large woody debris installed. This work will result in the removal of a seven-foot drop between pipes in an existing catch basin, which is a fish barrier. The need for removal of the barrier is documented in HPA 2016-4-390+01.

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 proposal is located within and adjoining the Fairwood Crest neighborhood community park and open space that lies in the 16500 block between 132nd Place SE and 133rd Place SE. This is within the Fairwood Park Division 11 neighborhood of unincorporated King County near the City of Renton. The site is located at latitude 47.454812, longitude -122.162822 in the northwest quarter of Section 27, Township 23N, Range 05E (Willamette meridian). The location can be found on page 656, grid G6 of the Thomas Brothers Guide. See Vicinity Map on page 5. A site plan is attached at the end of the document.

Vicinity Map



B. Environmental Elements

1. Earth

a. General description of the site (underline one): flat, rolling, hilly, steep slopes, mountainous, other

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

The steepest slope within the project limits is approximately 50 percent; this is located along the west side of Molasses Creek.

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.

Multiple sources of generalized data for geology and soils, so project-specific borings are emphasized.

Four borings were drilled in May 2013 to depths of 21.5 to 24 feet. These boring logs reveal three distinct layers of soil which are outlined below:

- Top layer: loose to dense sandy silt or silty sand that was 7.5 feet to 10 feet thick.
- Second layer: very loose organic silt mixed with fibrous peat fill that was 3.5 feet to 10 feet thick.
- Bottom (deepest layer): loose to dense sandy silt that extended to the bottom of the borings (21.5 to 24 feet below the ground surface)

No agricultural soils were mapped or observed on-site, and no agricultural land uses are located in the project vicinity.

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

According to King County iMap accessed in 2020, the proposal is within an erosion hazard area and a seismic hazard area. The site has a history of sink holes that have developed along the piped stream alignment. These sink holes are associated with water leaking along the pipe system rather than unstable soils.

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 total project area is 0.9 acre, and the total area of excavation and fill is approximately 0.5 acre. Excavation is required to remove the pipes and catch basins and to create the new stream channel. Approximately 5,100 cubic yards of material will be removed from the site and disposed of at an appropriate facility. Fill materials will be brought to the site to create the finished grades, including the new stream channel and slopes between the existing ground

level and the channel. Fill materials will consist of approximately 500 cubic yards of topsoil, six cubic yards of quarry spalls, and an estimated 300 tons of streambed aggregates and boulders. The source of fill materials will be in accordance with state specifications and King County approved sites.

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

Erosion could occur as a result of vegetation removal, ground-disturbing activities during construction, and rerouting of the stream and stormwater during construction. Seasonal weather conditions could impact the severity of erosion. Temporary erosion and sedimentation control (TESC) Best Management Practices (BMPs), as well as permanent site restoration measures will be implemented to minimize potential erosion. Please see Section B.1.h for specific proposed measures to reduce and control construction-related erosion.

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

Approximately 11 percent of the project limits is impervious surface, consisting of the existing access road (quarry spalls and gravel). Approximately half of this impervious surface will be removed as a result of this project and replaced with native vegetation.

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

Construction: During construction, the area of ground disturbance will be minimized to the extent practicable to reduce the potential for erosion. TESC BMPs include temporary cover measures for disturbed areas, such as mulch or plastic sheeting. In addition, the stream and stormwater will be bypassed around the construction zone. The stream bypass will consist of a coffer dam, a pump and temporary pipe. The stream will be discharged directly to an existing downstream structure for energy dissipation.

Operation: Following construction, disturbed grounds outside of the new stream channel will be covered with topsoil and hydroseeded. These areas will be later planted with native trees and shrubs.

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.

Greenhouse Gas Emissions: Construction, operations, and maintenance of the site will result in greenhouse gas (GHG) emissions. Life cycle GHG emissions for the project include embodied, operational, and construction emissions that are defined as follows:

- Embodied emissions are the emissions released during the extraction, processing, and transportation of the materials used in construction.
- Construction emissions are released during project construction and primarily come from

fuel burned in the equipment used to build the project elements, such as bulldozers and backhoes.

- Operational and maintenance emissions are released by vehicles and equipment at the site and during vehicular roadway travel.

The total estimated lifespan greenhouse gas emissions for the project is 1,277 metric tons of carbon dioxide equivalent (MTCO2e), as calculated using the King County SEPA Greenhouse Gas Emissions Worksheet.

Fugitive Dust Emissions: Demolition of concrete, excavation, or placement of imported aggregates may result in sources of fugitive dust that can reduce visibility, cause respiratory health problems in humans/animals, and negatively impact aquatic life, vegetation, and water quality.

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

No off-site sources of emissions or odors have been identified that may affect this proposal.

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

During construction, the contractor will implement a Fugitive Dust Control Plan. During construction, operation, and maintenance of the site, mitigation measures for project impacts to air quality and GHG emissions could include, but are not limited to, the following:

- Spraying water, when necessary, during construction operations to reduce emissions of fugitive dust.
- Covering dirt, gravel, and debris piles as needed to reduce fugitive dust and wind-blown debris.
- Covering open-bodied trucks in accordance with RCW 46.61.655, wetting materials in trucks or providing adequate space from the top of the material to the top of the truck to reduce fugitive dust emissions.
- Sweeping public roadways, when necessary, to remove mud and dirt deposits.
- Using biodiesel or ultra-low-sulfur diesel fuels for vehicles and equipment to reduce diesel exhaust emissions.
- Conservation and reuse of construction materials on-site, to reduce exhaust emissions and traffic delays.
- Enforcing the King County no-idling policy for county vehicles.

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.**

   Molasses Creek (Tributary 08.0304) is a perennial fish-bearing (Type F) stream. The stream originates on the Fairwood plateau and drains generally northward through the project site. It flows downstream about 6,100 feet (1.16 miles) where it flows into the Cedar River (Stream 08.0299), and ultimately drains to Puget Sound via Lake Washington.

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 proposal includes work within the existing stream corridor and adjoining areas. Specific work includes removal of existing pipes and catch basins that the stream runs through and creating a new stream channel for Molasses Creek to flow through. Other work within the same property includes adjustments to the remaining pipe and catch basin system downstream of the new channel and planting a new riparian corridor along both sides of the new stream channel. See plan sheets attached at the end of the document for more information.

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.**

   Excavation within the current stream alignment will consist of removal of pipes and catch basins, which is approximately 732 square feet of area. The new stream channel will be created largely along a new alignment and below the elevation of the existing pipes and catch basins. It will be lined with streambed aggregates, boulders and large woody debris. The materials will be sourced by the contractor in accordance with state requirements. See Section B.1.e for full area of disturbance and excavation and fill quantities.

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

   The project does not require surface water withdrawals. The stream and incoming stormwater will temporarily be bypassed/diverted around the construction zone during construction to allow excavation, structure modification, and fill to occur outside of the water (in dry conditions). The bypass system will be sized for the amount of stream flow at the time of construction and will consist of a pump, a pipe, and a cofferdam separation between incoming flows and the construction area.

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

   The project is not within a mapped FEMA 100-year floodplain.

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

No waste materials will be discharged to surface waters.

b. Groundwater:

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 from a well for drinking water, nor will water be discharged to groundwater for this project. Based on the *Geotechnical Report,* static groundwater is not expected to be encountered during project construction, thus impacts to groundwater are not anticipated. However, should water be encountered, temporary shallow groundwater well points will be installed in order to dewater the work area and minimize impacts to water quality. These well points will locally depress the groundwater elevation during excavation so less water is within the work area; this facilitates the dewatering process and minimizes additional sediment-laden water that would otherwise require treatment. Water that meets state water quality standards can be released downstream of the construction area to the stream.

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.

No waste material will be discharged into the ground from septic tanks or other sources.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including stormwater) 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 source of runoff is precipitation that runs off the roads and other impervious surfaces within the project limits and the contributing basin. The runoff is collected in existing stormwater infrastructure (catch basins, pipes) before being delivered to stormwater detention facilities that discharge into Molasses Creek, including the in-stream stormwater detention facility upstream of the piped system at the project site (Stormwater Facility D91355/DR0516).

The water flows out of the facility into an approximately 1300-foot long 48-inch diameter culverted section and then outlets into the natural stream ravine. The water flows through the stream ravine reach for approximately 1.0 miles to its confluence with the Cedar

River.

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

It is unlikely, but possible, that fuel, hydraulic fluid or paving materials could drip or spill from construction machinery or staging containers during construction. Spill prevention BMPs will be implemented and spill control materials will be on-site during construction for emergency use in accordance with an approved Spill Prevention Control and Countermeasures (SPCC) Plan. See Section B.7.a.5 for additional information regarding the SPCC Plan.

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

The proposal will alter drainage patterns within the site by creating slopes down to the new open channel. Runoff from adjoining lawns will be able to enter Molasses Creek at any point within the new open channel, rather than being confined to catch basin inlets to the existing enclosed system.

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

In addition to bypassing the stream and stormwater around the construction zone as described in Section B.3.a.4 above, some work areas may need additional dewatering during construction as described in Section B.3.b.1 to minimize impacts to ground, surface, and stormwater. If needed, water will be intercepted and pumped around the work area. Sediment-laden water that does not meet water-quality standards will be discharged to a vegetated upland infiltration area or collected and hauled off-site for appropriate disposal in accordance with regulatory requirements. Construction and operational measures as described in Section B.1.h will be used to prevent sediment from entering surface and stormwater systems.

The changes to the Stormwater Facility D91355/DR0516 are not expected to significantly affect drainage patterns because the pipe downstream of this Facility acts a control for high flows both with the current configuration and with the proposed modifications.

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
X shrubs
X grass
__ pasture
__ crop or grain
__ orchards, vineyards or other permanent crops
__ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other

__ water plans: water lily, eelgrass, milfoil, other
X other types of vegetation: weeds

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

As described in Section A.6, an estimated 10 trees (combination of native and ornamental) have been removed from the site over the past several years. To complete the proposed project, an additional area of approximately 0.5 acre of grasses and other groundcovers will be removed.

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

According to a review of online data from the Washington State Department of Natural Resources, Natural Heritage Program conducted on October 10, 2020, there are no special status plant species known to occur in the project area.

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

The project footprint will be minimized to preserve existing vegetation to the extent practicable. Clearing limits will be marked on-site prior to construction to ensure only required vegetation removal occurs. After construction, impacted areas will be seeded and a new riparian corridor along the stream channel will be planted with a variety of native trees and shrubs. Tree replacement will occur at a minimum ratio of 3:1.

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

There are no known noxious or invasive species on the site.

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: crows
mammals: deer, bear, elk, beaver, other: coyote, raccoons, squirrels
fish: bass, salmon, trout, herring, shellfish, other: amphibians

The birds and animals underlined above are known or anticipated to be on or near the project site.

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

There are no threatened and endangered species known to be on or near the site.

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

Cutthroat trout utilize the stream within the project vicinity; thus, the site could be part of a migration route, but only within localized areas.

The project site is within the Pacific Flyway, which is a major north-south route of travel for

migratory birds, extending from Alaska to Patagonia. Every year, migratory birds travel some or all this distance both in spring and in fall, following food sources, heading to breeding grounds, or travelling to overwintering sites.

The project area is not a known or mapped wildlife species corridor.

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

Measures as described in Sections B.1.h and B.4.d above are expected to preserve and enhance wildlife habitat within the project area.

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

No invasive animal species are known or anticipated to be on or near the site.

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.

The completed project will have no energy use.

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

No, the project will not affect the potential use of solar energy by adjacent properties.

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:

Because the completed project will not use energy, no conservation features are included. Measures to reduce energy use during construction will be encouraged; for example, local sourcing of materials, efficient material transport and staging, and well-organized scheduling and sequencing of the work.

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.

An accidental leakage of petroleum products (e.g., gasoline, diesel fuel, hydraulic fluid, anti-freeze, grease, etc.) from construction equipment could occur but is not likely. These substances can be toxic to nearby aquatic systems; to humans upon prolonged exposure and skin contact; and can pose a fire hazard. A SPCC plan will be prepared and implemented for the project. Spill control and cleanup kits will be available on-site.

During construction, community health could be affected by dust and vehicle exhaust. Construction activities will intermittently generate particulate matter and odors, and construction equipment will generate diesel engine exhaust. Any air-quality impacts

associated with construction activities are most noticeable at sensitive land uses, such as schools or parks. Because the project site is in part within a community park and adjacent to a playground, extra care to avoid air-quality impacts will be required of the contractor. In addition, air-quality impacts will be short-term, occurring only while construction is in progress. BMPs will be employed to reduce fugitive dust, odors, and exhaust emissions; see Section B.2.c. for more information.

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

Based on a review of the Washington State Department of Ecology's website, there are two cleanup sites within a half-mile radius from the project area:

- The Renton Park Elementary school (cleanup ID: 2633) is awaiting cleanup of unspecified petroleum products from soil and groundwater.
- The Lindbergh High School (cleanup ID: 14788) cleanup of diesel suspected in groundwater has started.

Neither of these cleanup sites will affect the project site. The project area falls inside the predicted arsenic contamination zone, which is based on the modeled Asarco Tacoma plume. The anticipated arsenic levels in the soil is under 20 parts per million, which is below the state cleanup levels.

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.

There are no known or anticipated hazardous conditions within the project area.

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.

During construction, petroleum products will be used on-site to power construction equipment. Storage of petroleum products during construction will occur at least 100 feet from the stream, and in accordance with the approved SPCC Plan. At completion of the project, toxic or hazardous chemicals will not be stored, used, or produced at the project site.

4) Describe special emergency services that might be required.

The need for special emergency services is not anticipated.

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

During construction, the contractor will implement a King County-approved SPCC

including the use of BMPs during construction to minimize the potential for hazardous spills from fuels and materials used on-site. Spill control and cleanup kits will be available on-site to be used in the rare event of a spill. Worker health and safety will be addressed as required by Washington State and federal regulations. Waste material generated from construction will be properly managed and disposed of at permitted facilities.

The Contractor will be required to implement a King County-approved Fugitive Dust Control Plan. The plan will include use of BMPs to minimize the amount of particulate matter or dust generated during construction.

b. Noise

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

Noise will not affect the project.

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

Construction will create noise on a short-term basis. This noise will be generated from the various types of construction equipment and activities; for example, truck traffic hauling materials to and from the site, excavation and material-moving equipment such as backhoes and bulldozers, soil compaction, pumps and hand-held equipment such as chain saws.

Construction will occur in accordance with King County Code 12.86, which allows typical construction equipment operation between 7am and 7pm weekdays and 9am and 7pm on weekends.

Following construction, noise is expected to return to existing conditions. The project will not generate on-going noise.

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

Standard mufflers will be used on all construction equipment. The construction crew will work during hours allowed in the King County Code and permit conditions.

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 use of the site includes a King County stormwater facility, a community park and open space. The adjacent land use is high-density residential that surrounds the project site to the south, west and east. To the north, the Seattle Public Utilities owns a utility corridor that is closed to public access. The proposal will not change land uses within the project limits or

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 non-forest use?

There are no agricultural areas or working forest lands within or adjacent to the project area.

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, the proposal will not affect or be affected by working farms or forest land.

c. Describe any structures on the site.

Current structures within the project limits include:

- Stormwater drainage pipes ranging from 12- to 18-inches in diameter and associated catch basins
- Stream pipe system comprised of pipe ranging from 36- to 48-inches in diameter and four 72-inch diameter catch basins
- Abandoned 48-inch diameter buried pipe filled with an engineered sand mixture
- Shed
- Quarry spall access road

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

Approximately five linear feet of stormwater drainage pipe (18-inch diameter), 183 linear feet of the stream pipe system (48-inch diameter), including three of the associated catch basins, and 60 linear feet of the abandoned pipe (48-inch diameter) will be removed. The removal of these structures is necessary for regrading of the site to create the new stream channel.

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

The project area is within the urban growth boundary in an area zoned as R6: residential area with 6 dwelling units per acre.

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

According to the *King County Comprehensive Plan* (2020), the project is within an urban medium-density residential area with a range of four to 12 dwelling units per acre.

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

The site is not located within Shorelines jurisdiction.

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

The following King County-classified critical areas are mapped within the project site:

- Molasses Creek, a Type F Aquatic Area with an associated buffer of 115 feet on either side
- Erosion Hazard Area
- Seismic Hazard Area.

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

No people will reside or work in the completed project.

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

As noted in Section A.6, a structure was demolished on a WLRD-owned parcel in 2019. This was a residential structure that WLRD acquired at fair market value; the structure was unoccupied under WLRD ownership. No people will be displaced by the project.

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

No measures will be implemented to avoid or reduce displaced people because no one will be displaced.

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

The proposal will maintain the site as a stream corridor. The topography and vegetation of the site immediately adjacent to the stream corridor will change from flat, grassy open space to a sloped open channel and with native trees and shrubs along the stream banks. While this will eliminate some potential uses of this portion of the property, such as open field play, the natural setting will create new uses on the property, such as birding and fish and wildlife observation. These anticipated new uses are compatible with the adjacent uses and the site design has been coordinated closely with the primary landowner, Fairwood Crest Homeowners Association. The project requires a land use permit (clearing and grading permit) from DLS to further ensure the project is compatible with existing and projected land uses and plans.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

Forest land or agricultural activities will not be affected by the proposal.

9. Housing

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

No housing units are being provided by the project.

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

As noted in Section B.8.j, one housing unit has been eliminated in conjunction with this proposal. The house was in an upper middle-income area.

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

The removal of the one housing unit is not anticipated to impact housing availability in the neighborhood. WLRD will continue to own the property and pay applicable dues to the Homeowners Association.

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?

No above ground structures will be created as part of the proposal. Trees that are planted will grow over time to estimated heights of 20 to 80 feet, depending on the species.

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

Within the project limits, portions of the grass open space will be altered as described Sections B.8.l and B.10.a.

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

The proposal is intended to improve aesthetic impacts by installing native plantings that blend with the existing character of the landscape.

11. Light and Glare

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

The project will not produce light or glare.

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

No, the finished project will not produce any additional light or glare that will be a safety hazard or interfere with views.

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

No off-site sources of light or glare will affect the proposed project.

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

No light and glare impacts are proposed, so no measures are needed to prevent or minimize

light and glare impacts.

12. Recreation

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

Within the immediate vicinity of the project, informal recreational opportunities include walking, running, playground structure play, and open field play, such as soccer, kickball or frisbee.

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

The area available for open field play will be reduced, but not eliminated.

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

During construction, walking through the project area will be temporarily prohibited for safety reasons. The completed project will introduce opportunities for new passive recreational activities such as birding or fish and wildlife observation.

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 located on or near the site? If so, specifically describe.

The project area was screened for historic and cultural resources by the King County Historic Preservation Program (HPP) in September 2019. The screening identified no recorded, reported or suspected cultural resources within the project vicinity. In the screening, the HPP suggested that the Fairwood 11 subdivision, which the proposal is located within, may be eligible as a historic landmark district.

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.

In addition to the screening information noted in Section B.13.a. the HPP screening also noted that the proposal area was historically altered, logged, and graded suggesting that the likelihood for intact archaeological resources is low.

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 archaeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

The HPP has access to various databases including the King County Cultural Resource Protection Project and the Department of Archaeology and Historic Preservation Washington Information System for Architectural and Archaeological Records Data.. These geographic

information system (GIS)-based databases utilize historic maps, ethno-historic accounts, and professional site records.

WLRD staff also reached out to the Muckleshoot, Snoqualmie and Tulalip Tribes to inform them of the project and inquire about specific cultural resource concerns within the area of potential effect. No new information was obtained through this outreach.

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.

Due to the reduced likelihood of unknown, intact archaeological deposits and extensive fill at the location, archaeological monitoring by staff trained in recognizing archaeological materials is recommended for initial excavation in areas with the possibility of encountering intact native soils.

If resources are identified during construction, then work in the vicinity of the identified resources will cease and the HPP will be notified immediately. Work will not be allowed to resume at the site in the vicinity of the identified resources until appropriate archaeological investigations are complete.

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 accessible from 132nd Place SE and 133rd Place SE. No road closures will occur as part of this proposal.

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?

King County Metro Route 148 travels through the Fairwood neighborhood with the nearest public transit stops located at SE Fairwood Boulevard/134th Avenue SE, approximately 920 feet by road from the project site, and SE 164th St/131st Avenue SE, approximately 680 feet by road from the site. Route 148 offers peak and off-peak daily service between Fairwood Center and Renton Transit Center.

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

No additional parking spaces are created or eliminated because the completed project will not include 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, the proposal does not require any new or improvements to existing roads, streets,

pedestrian, bicycle or state transportation facilities including driveways.

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

No, the project will not use water, rail, or air transportation and is not in the immediate vicinity of these transportation options.

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 non-passenger vehicles). What data or transportation models were used to make these estimates?

No additional vehicular trips will be generated by the completed project.

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, the proposal will not affect or be affected by movement of agricultural of forestry products.

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

No proposed measures will be needed because the proposal will not impact on-road transportation; however, as described in Section B.12.c, walking through the project site will be restricted during construction. The site will be enclosed with safety fence and pedestrian will need to find alternative routes between 132nd Place SE and 133rd Place SE. The site closure will be minimized in duration to reduce community impacts.

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 increased needs for public services will result from the proposal.

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

No proposed measures will be needed because there will be no direct impacts on public services.

16. Utilities

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

The utilities underlined above are available to the residential properties adjacent to the site; however, the project site has no known utility hook-ups.

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

that might be needed.

The proposal does not include any utilities.

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: _____ Date: 10/20/2020

Name of Signee: Curt Crawford
Position/Title: Stormwater Services Section Manager
Agency/Organization: Water and Land Resources Division, Stormwater Services Section

Attached Project Plan Sheets (5):

- Existing Site Plan and Survey
- Site Improvement Plan
- Demolition Plan
- Grading Profile
- Planting