SEATTLE PUBLIC UTILITIES
SEPA ENVIRONMENTAL CHECKLIST

This SEPA environmental review of Seattle Public Utilities' (SPU's) proposed temporary trash rack project (Temporary Trash Rack Installation, NE 137th St at Littlebrook Creek) has been conducted in accord with the Washington State Environmental Policy Act (SEPA) (RCW 43.21C), State SEPA regulations (Washington Administrative Code [WAC] Chapter 197-11), and the City of Seattle SEPA ordinance (Seattle Municipal Code [SMC] Chapter 25.05).

A. BACKGROUND

1. Name of proposed project:

Temporary Trash Rack Installation, NE 137th St at Littlebrook Creek

2. Name of applicant:

Seattle Public Utilities (SPU)

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

Steve Damm, Project Manager
Seattle Public Utilities
P.O. Box 34018
Seattle, WA 98124-4018
206-713-8648
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4. Date checklist prepared:

October 20, 2020

5. Agency requesting checklist:

Seattle Public Utilities (SPU)

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

SPU proposes to install the trash rack in November or December 2020.

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

The trash rack would be installed temporarily. After 2 years, the rack would be replaced by a new headwall and culvert opening that is better suited to managing trash flowing through this system.

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

No environmental information has been prepared or will be prepared.

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 applications are pending for governmental approvals of other proposals directly affecting the property covered by this proposal. After two years, the temporary rack would be replaced by a new headwall and culvert opening that is better suited to managing trash flowing through this system. That future project would conduct a separate SEPA environmental review once planning and design have commenced and are far enough along to evaluate the potential impacts.

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

Hydraulic Project Approval (Washington State Department of Fish and Wildlife)

11. Give a 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.

This proposal would provide a temporary trash rack on a 36-inch diameter reinforced concrete drainage culvert in street right-of-way under NE 137th Street in the Cedar Park neighborhood of the City of Seattle, King County, Washington. The temporary trash rack would be installed where a previous neighborhood-installed trash rack failed and was removed, and would be replaced after two years by a new headwall and culvert opening better suited to managing trash flowing through this system.

The culvert conveys Littlebrook Creek, a tributary to the North Branch Thornton Creek, and collected stormwater near 3042 NE 137th St. The trash rack would prevent garbage and other debris from nearby roadways and adjacent private properties from clogging 835 lineal feet of privately owned drainage system immediately downstream of the project site. The trash rack also would protect upstream property owners from flooding by preventing clogging of the subject culvert and downstream culverts.

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 near 3042 NE 137th St in the Cedar Park neighborhood of the City of Seattle (T26N, R04E, S21; latitude 47.728094, longitude -122.294755).

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

☒ Flat ☐ Rolling ☐ Hilly ☐ Steep Slopes ☐ Mountainous
☐ Other:

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

The project location is generally flat. Short steep slopes are associated with the banks of Littlebrook 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.

The general geologic condition of the Puget Sound region is a result of glacial and non-glacial activity that occurred over the course of millions of years. Review of the geologic map covering the project location (Troost et al. 2005, available at http://pubs.usgs.gov/of/2005/1252/) indicates the project area is underlain primarily by Vashon till and advance outwash deposits. Glacial till is a mix of poorly sorted silt, sand, and sub-rounded to well-rounded gravels and cobbles that are transported by the glacier and deposited under the ice resulting in a very dense to over consolidated deposit. Advance outwash consists of well sorted sand and gravel that was transported by meltwater channels emanating from the toe of the advancing glacier and subsequently overridden by the glacier. However, urban development and buried utility construction at and near the project site over the last 100 years has resulted in a predominance of disturbed native soils/sediments, cut slopes, and large placements of fill material.

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

There are no indications of unstable soils on or near the project site.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate the source of fill.

The proposal would not require any filling, excavation, or grading.

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

The proposed work is in existing impervious (paved) areas or adjacent to existing residential development and would create no potential for erosion. Ground disturbance would be avoided because the trash rack would be attached to an existing culvert.

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

The proposed work is in existing paved areas. The proposed work would neither create impervious surfaces nor demolish existing impervious surfaces.

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

No filling or excavation would take place in or near watercourses or wetlands. If needed, best management practices (BMP) (as identified in the City of Seattle's Stormwater Code SMC 22.800 through 22.808, Director's Rule: 2009-004 SPU/16-2009 DPD, and Volume 2 Construction Stormwater Control Technical Requirements Manual) would be used to manage stormwater runoff, construction disturbance, and erosion as needed during construction, but these measures are not expected to be needed.

2. Air

a. What types of emissions to the air would result from the proposal [*e.g.*, dust, automobile, odors, industrial wood smoke, greenhouse gases (GHG)] during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Construction equipment would include hand-held power tools and gasoline or diesel-powered vehicles to install the temporary trash rack. These tools would generate greenhouse gas emissions (GHG) due to the combustion of gasoline or diesel fuels, and include oxides of nitrogen, carbon monoxide, particulate matter and smoke, uncombusted hydrocarbons, hydrogen sulfide, carbon dioxide, and water vapor. These effects are expected to be localized, temporary, and minimized.

Total GHG emissions for the project are summarized in the table below; calculations are provided in Attachment C. The project would produce GHGs in three ways: embodied in materials to be installed on the project; through construction activity (especially as described above); and by regular maintenance and monitoring activities throughout the life of the completed project, estimated to be 2 years. Emissions generated during the manufacture of materials used in this project are not estimated or otherwise considered in this environmental analysis due to the difficulty and inaccuracy inherent in calculating such estimates.

The project would generate GHG emissions during construction through the operation of diesel- or gasoline-powered equipment, and in the transportation of materials, equipment, and workers to and from the site. The estimates provided are based on assumptions for typical numbers of vehicle operations to execute the work (Attachment C). The completed project would generate GHG emissions through the routine and emergency maintenance and monitoring of the installed trach rack through an assumed life expectancy of 2 years. The completed project would not generate odors.

SUMMARY OF GREENHOUSE GAS (GHG) EMISSIONS

Activity/Emission Type	GHG Emissions (pounds of CO_2e)[1]	GHS Emissions (metric tons of CO_2e)[1]
Buildings	0	0
Paving	0	0
Construction Activities (Diesel)	0	0
Construction Activities (Gasoline)	24.3	0.01
Long-term Maintenance (Diesel)	0	0
Long-term Maintenance (Gasoline)	194.4	0.09
Total GHG Emissions	218.7	0.1

[1] Note: 1 metric ton = 2,204.6 pounds of CO_2e. 1,000 pounds = 0.45 metric tons of CO_2e

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 would affect the proposed project.

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

During construction and operation, impacts to air quality would be reduced and controlled through implementation of federal, state, and local emission control criteria and City of Seattle required practices. These would include requiring workers to use BMPs for construction methods, proper vehicle maintenance, and minimizing vehicle and equipment idling.

3. Water

a. Surface:

(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 so, describe type and provide names. If appropriate, state what stream or river it flows into.

The subject culvert conveys Littlebrook Creek, a perennial watercourse, and stormwater collected from impervious street surfaces and adjacent privately owned impervious surfaces. Littlebrook Creek is a tributary to the North Branch Thornton Creek.

(**2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If so, please describe, and attach available plans.**

The project would affect Littlebrook Creek.

(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.

No fill or dredge material would be placed in or removed from surface waters or wetlands.

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

No surface water withdrawals or diversions would be required.

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

The proposal is not in or near a designated 100-year floodplain or floodway.

(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.

The proposal would not discharge waste materials to surface waters.

b. Ground:

(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 other ground water withdrawals or discharge are anticipated.

(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.

This project would not discharge waste material from septic tanks or other sources into groundwater.

c. Water Runoff (including storm water):

(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.

There would be no source of runoff during installation of the trash rack.

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

No part of the proposed work involves any discharges of waste materials to surface or ground waters.

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

Once completed, the proposed work would not alter or otherwise affect surface drainage patterns.

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

No surface or ground water and drainage impacts would occur.

4. Plants

a. Types of vegetation found on the site:

☒ Deciduous trees:	☒ Alder	☒ Maple	☐ Aspen	☐ Other:
☒ Evergreen trees:	☒ Fir	☒ Cedar	☐ Pine	☐ Other:
☐ Shrubs				
☒ Grass (turf and weeds)				
☐ Pasture				
☐ Crop or grain				
☐ Orchards, vineyards, or other permanent crops				
☐ Wet soil plants:	☐ Cattail	☐ Buttercup	☐ Bulrush	☐ Skunk cabbage
☐ Other:				
☐ Water plants:	☐ water lily	☐ eelgrass	☐ milfoil	☐ Other:
☐ Other types of vegetation:				

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

The project is confined to street right-of-way consisting mostly of impervious surfaces, including asphalt and concrete travel lanes (with no curb or gutter) and driveway aprons.

Remaining areas in the right-of-way are vegetated by unmaintained herbaceous vegetation or are planted with lawn and/or ornamental landscape plantings (planting strips). Adjacent private parcels consist mostly of impervious surfaces (that is, roofs, driveways, and patios) with pervious areas covered by lawn, landscaping, and trees. Publicly and privately planted street trees are located sporadically in the right-of-way. The proposal would not remove trees or shrubs.

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

According to a review of the Washington Department of Natural Resources (WDNR) Natural Heritage Program's document called "Sections that Contain Natural Heritage Features, Current as of July 14, 2020" (accessed at www.dnr.wa.gov), there are no documented occurrences of sensitive, threatened, or endangered plant species at or near the project site. No federally-listed endangered or threatened plant species or State-listed sensitive plant species are known to occur within Seattle's municipal limits. The project site has been intensively disturbed by development and redevelopment over the last 100 years and has been extensively excavated, filled, paved, or occupied by street, utility, and other constructed features. There is no habitat for threatened or endangered plants.

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

Construction of the proposed work would not require plant removal or pruning.

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

No noxious weeds or invasive plant species are known to be at the project site.

5. Animals

a. List any birds and other animals that have been observed on or near the site or are known to be on or near the site:

Birds:	☒ Hawk	☒ Heron	☒ Eagle	☒ Songbirds
☒ Other: crow, pigeon				
Mammals:	☐ Deer	☐ Bear	☐ Elk	☐ Beaver
☒ Other: possum, raccoon, squirrel, rat				
Fish:	☐ Bass	☐ Salmon	☐ Trout	☐ Herring
☐ Shellfish	☐ Other:			

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

No such species are known to be present at or near the project site, based on a check of the Washington Department of Fish and Wildlife's "Priority Habitat and Species on the Web" database on October 18, 2020. The project site is known to be (but not mapped as being) within the habitat of bald eagle (*Haliaeetus leucocephalus*) and great blue heron (*Ardea herodias*)—priority species in Washington. The Priority Habitat and Species data base indicates little brown bat (*Myotis lucifugus*) is known from the project area, but this species in not listed in the state or federally as a threatened or endangered species.

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

Seattle is located within the migratory route of many birds and other animal species and is part of the Pacific Flyway, a major north-south route of travel for migratory birds in the Americas extending from Alaska to Patagonia. Also, Puget Sound and Lake Washington are important water migration routes for many animal species.

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

The proposed work would not remove any vegetation.

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

King County lists the European starling, house sparrow, Eastern gray squirrel, and fox squirrel as terrestrial invasive species for this area (http://www.kingcounty.gov/services/environment/animals-and-plants/biodiversity/threats/Invasives.aspx).

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 constructed project would not require energy.

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

The proposed project does not involve building structures or planting vegetation that would block access to the sun for 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:

There are no conservation features or proposed measures to reduce or control energy impacts because there would be no such impacts.

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:

The completed project would not create environmental health hazards.

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

The project site and upstream areas are known to be used by transient and homeless people and include hazards related to drugs, alcohol consumption, and human waste.

(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 hazardous chemicals or conditions that might affect project development and design.

(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.

There are no toxic or hazardous chemicals would be stored, used, or produced at any time during the operating life of the constructed project.

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

No special emergency services would be required during construction or operation of the project.

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

There would be no environmental health hazards during the instillation process.

b. Noise

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

Noise that exists in the area would 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.

Noise levels in the vicinity of project construction would temporarily increase during installation due to hammering and drilling. Short-term noise from construction equipment would be limited to the allowable maximum levels of applicable laws, including the City of Seattle's Noise Control Ordinance [SMC Chapter 25.08.425—Construction and Equipment Operations]. Within the allowable maximum levels, SMC 25.08 permits noise from construction equipment between the hours of 7 a.m. and 7 p.m. weekdays, and 9 a.m. and 7 p.m. weekends and legal holidays. It is expected construction will take no more than two hours to complete. The completed project would generate no additional noise from equipment used for operation or maintenance.

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

Construction equipment would be muffled in accordance with the applicable laws. SMC Chapter 25.08 (which prescribes limits to noise and construction activities) would be enforced while the project is being constructed and during operations, except for emergencies.

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 proposed work would be in improved public right-of-way used for vehicle and pedestrian travel and parking. Adjacent property uses are single-family residential (some of which may contain home-based occupations).

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?

The project site has not been recently used for agricultural purposes.

(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?

The proposed work would neither be affected by nor affect surrounding working farm or forest land normal business operations because there are no such operations at or near the project site.

c. Describe any structures on the site.

The proposal is associated with an existing buried drainage culvert in improved street right-of-way used for vehicle and pedestrian travel and parking. Adjacent property uses are single-family residential (some of which may include space for home-based occupations). Utilities are buried in or located on poles in street rights-of-way.

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

The project would not demolish any structures.

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

Single Family 5,000

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

Single Family 5,000

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

The project site is not in a Shoreline Management district.

h. Has any part of the site been classified as an "environmentally critical" area? If so, specify.

The project site is in Riparian Management and Wetland Buffer environmentally critical areas associated with Littlebrook Creek, as identified and mapped by the Seattle Department of Construction and Inspections.

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

No people would reside or work in the completed project.

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

The project would not displace any people.

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

There would be no displacement impacts.

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

The project would be compatible with existing and projected land uses and plans.

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

There are no nearby agricultural and forest lands of long-term commercial significance.

9. Housing

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

The proposed project would not construct any housing units.

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

The proposed project would not eliminate any housing units.

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

No measures are proposed because there would be no housing impacts.

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?

All constructed structures would be buried.

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

No views would be altered or obstructed.

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

No such measures are proposed because there would be no aesthetic impacts.

11. Light and Glare

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

The constructed project would not produce light or glare. The instillation for the trash rack would occur during workday working hours of 8 a.m. to 5 p.m.

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

The project would not create light or glare.

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

There are no existing off-site sources of light and glare that would affect the proposal.

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

No measures are needed to reduce or control light and glare impacts because no impacts would occur.

12. Recreation

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

No parks or other designated recreational opportunities are in the immediate vicinity of the project site. However, the proposed work is in street right-of-way used for informal recreational activities such as dog-walking, walking, jogging, and bicycling.

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

The proposed work would not displace any existing recreational uses.

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

The project would not affect any vehicle or pedestrian routes or access.

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.

There are no places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the project site. To determine if National Register or State of Washington Heritage properties are in or adjacent to the project area, the project site was checked against the following registers on October 18, 2020.

- City of Seattle Landmarks http://www.cityofseattle.net/neighborhoods/preservation/landmarks_listing.htm
- Washington Heritage Register and National Register of Historic Places and WISAARD database https://wisaard.dahp.wa.gov/Map

While the WISAARD database indicates numerous historic property reports have been submitted for various structures near the project location, none of these registers recorded any places or objects formally listed on, or proposed for, national, state, or local preservation registers on or adjacent to the project location. No architectural inventory is required for this project because no structures would be demolished or altered.

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.

According to WISAARD, there are no such cultural resources at or near the project site. The project would not create ground disturbance and all work would occur in existing street right-of-way that has been disturbed previously by installation of underground utility infrastructure and road infrastructure.

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.*

To determine if National Register or Washington Heritage properties are in or adjacent to the project site, the project location was checked against the following registers on March 22, 2017:

- Washington Heritage Register and National Register of Historic Places: http://www.dahp.wa.gov/historic-register
- WISAARD database: https://wisaard.dahp.wa.gov/Map

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.

The proposed work would not affect buildings or known cultural resources and would not create ground disturbance. Only a modern asset in SPU's drainage system would be affected, and it is not considered historically or culturally important. Also, the proposed work is located on previously disturbed and filled upland area. The work's avoidance of ground disturbance and its location on previously disturbed and filled ground reduces the chance of encountering contextually significant archaeological materials. Should evidence of cultural artifacts or human remains, either historic or prehistoric, be encountered during excavation, work in that immediate area would be suspended and the find would be examined and documented by a professional archaeologist. Decisions regarding appropriate mitigation and further action would be made at that time.

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 project would occur in City-owned street right-of-way for NE 137th St.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

The proposed project would not affect public transportation. The nearest bus stop (State Route 522) is located on Lake City Way NE. State Route 522 is approximately 0.2 miles from the project location. Metro bus routes 41 and 65 operate on 30th Ave NE approximately 0.1 miles from the project site.

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

The proposal would neither create new, nor eliminate existing parking spaces. There are ample on-street parking spots available at and near the project site and most nearby residences have their own off-street parking.

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).

The project would not add any new roads, streets, or driveways.

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

The proposed project would not use or occur near water, rail, or air transportation.

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?

Project construction would not generate one round-trip due to workers and materials being transported to and from the site during the estimated one-hour construction period. The installed trash rack would be inspected quarterly for its 2-year lifespan by SPU maintenance staff. During those inspections, accumulated trash would be removed and disposed appropriately. Thus, the completed project would generate an estimated 8 round trips.

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.

The proposal would not interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area.

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

There would be no transportation impacts. Access for emergency-response vehicles would be maintained at all times. No alternative routes for pedestrians, bicyclists, and those with disabilities would be required.

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.

The project would not create an increased need for public services.

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

The proposed work would improve environmental services in anticipation of future need. No impacts on public services are anticipated.

16. Utilities

a. Check utilities available at the site, if any:

☐ None
☒ Electricity ☒ Natural gas ☒ Water ☒ Refuse service
☒ Telephone ☒ Sanitary sewer ☐ Septic system
☒ Other: stormwater drainage; fiber optic; cable

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.

The completed project is anticipated to enhance the life and serviceability of a section of the City of Seattle's stormwater drainage conveyance system and would be owned, operated, and maintained by SPU. Construction is not expected to interrupt, relocate, or reconstruct other utilities such as sewer, water services, or natural gas. No other construction-related interruptions to utility services are expected.

C. SIGNATURE

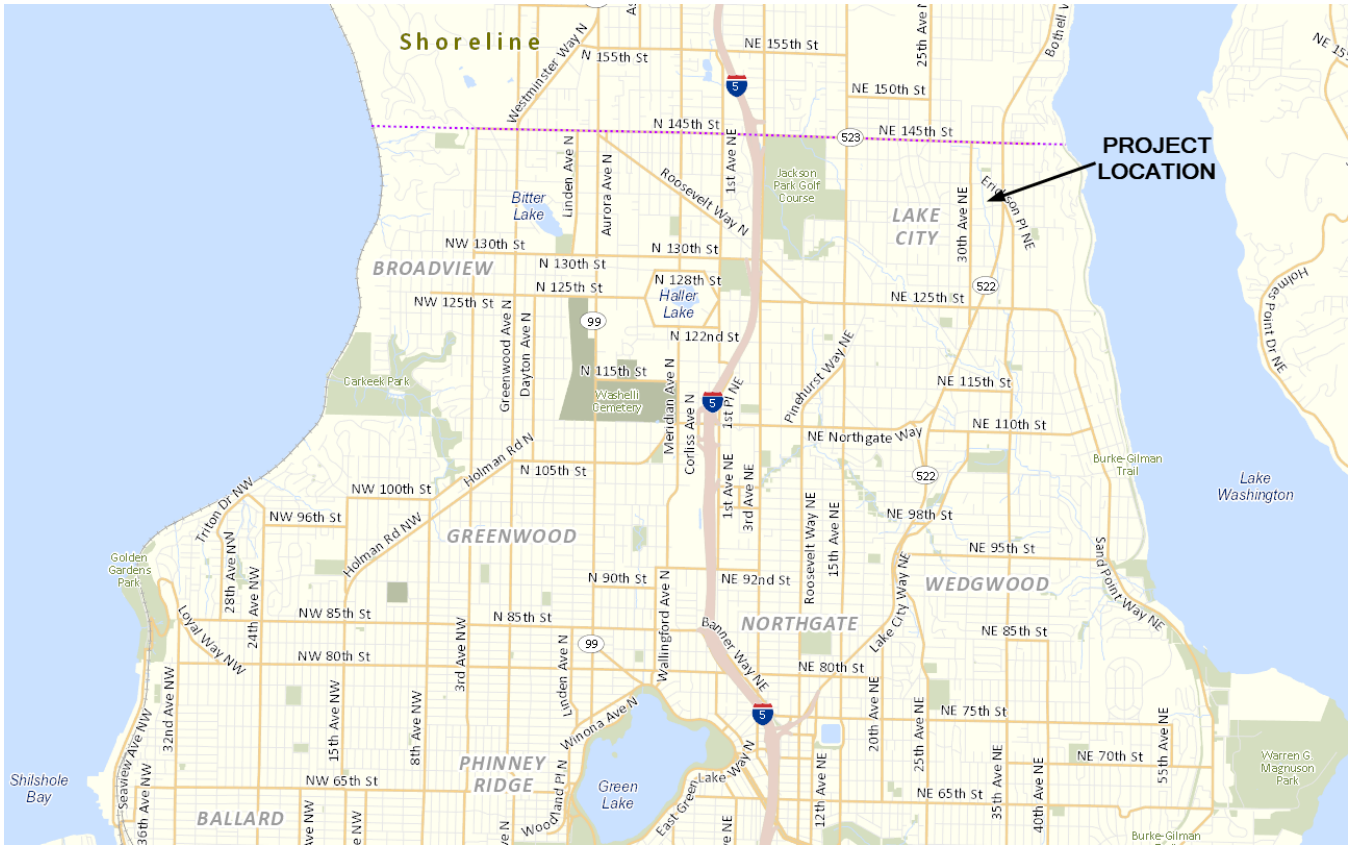
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

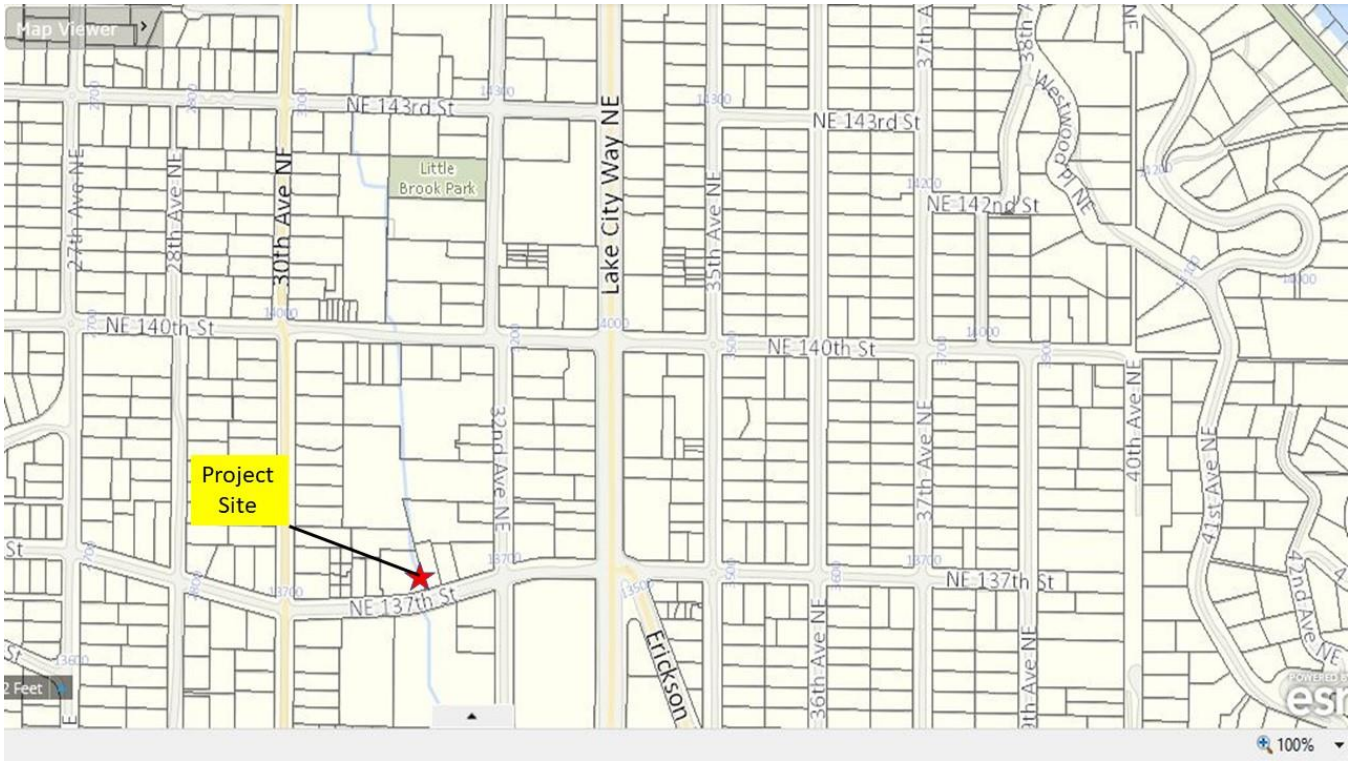
Signature: _____ Date: October 20, 2020

Steve Damm
Project Manager

ATTACHMENTS
A: Location and Site Maps
B: Photograph of subject culvert
C: Greenhouse Gas emissions Worksheet

Attachment A – Location and Site Maps





Attachment B: Photograph

Photograph of the subject culvert, looking downstream.

Attachment C: Greenhouse Gas Emissions Worksheet

Section I: Buildings						
			Emissions Per Unit or Per Thousand Square Feet ($MTCO_2e$)			
Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Embodied	Energy	Transportation	**Lifespan Emissions ($MTCO_2e$)**
Single-Family Home	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other than Mall)		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
Public Assembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		0.0	39	1,278	257	**0**
Vacant		0.0	39	162	47	**0**
					TOTAL Section I Buildings	**0**

Section II: Pavement						
						Emissions ($MTCO_2e$)
Pavement (sidewalk, asphalt patch)						
Concrete Pad (50 $MTCO_2e$/1,000 sq. ft. of pavement at a depth of 6 inches)		0 sq ft, 6 inches thick (0 CY)				**0**
					TOTAL Section II Pavement	

Section III: Construction	
	Emissions ($MTCO_2e$)
(See detailed calculations below)	
TOTAL Section III Construction	**0.01**

Section IV: Operations and Maintenance	
	Emissions ($MTCO_2e$)
(See detailed calculations below)	
TOTAL Section IV Operations and Maintenance	**0.09**

TOTAL GREENHOUSE GAS (GHG) EMISSIONS FOR PROJECT ($MTCO_2e$)	**0.1**

Attachment C: Greenhouse Gas Emissions Worksheet, continued

Section III Construction Details		
Construction: Diesel		
Equipment	**Diesel (gallons)**	**Assumptions**
Subtotal Diesel Gallons	0	
GHG Emissions in lbs CO_2e	0	26.55 lbs CO_2e per gallon of diesel
GHG Emissions in metric tons CO_2e	0	1,000 lbs = 0.45359237 metric tons

Construction: Gasoline		
Equipment	**Gasoline (gallons)**	**Assumptions**
Pick-up Trucks or Crew Vans	1	1 workday x 1 trucks x 1 round-trip/day x 20 miles/round-trip ÷ 20 mpg
Subtotal Gasoline Gallons	1	
GHG Emissions in lbs CO_2e	24.3	24.3 lbs CO_2e per gallon of gasoline
GHG Emissions in metric tons CO_2e	24.3	1,000 lbs = 0.45359237 metric tons

Construction Summary		
Activity	**CO_2e in pounds**	**CO_2e in metric tons**
Diesel	0	0
Gasoline	24.3	0.01
Total for Construction	24.3	**0.01**

Section IV Long-Term Operations and Maintenance Details		
Operations and Maintenance: Diesel		
Equipment	**Diesel (gallons)**	**Assumptions**
Subtotal Diesel Gallons	0	
GHG Emissions in lbs CO_2e	0	26.55 lbs CO_2e per gallon of diesel
GHG Emissions in metric tons CO_2e	0	1,000 lbs = 0.45359237 metric tons

Operations and Maintenance: Gasoline		
Equipment	**Gasoline (gallons)**	**Assumptions**
	8	8 events x 1 trucks x 1 round-trip/event x 20 miles/round-trip ÷ 20 mpg
Subtotal Gasoline Gallons	8	
GHG Emissions in lbs CO_2e	194.4	24.3 lbs CO_2e per gallon of gasoline
GHG Emissions in metric tons CO_2e	0.09	1,000 lbs = 0.45359237 metric tons

Operations and Maintenance Summary		
Activity	**CO_2e in pounds**	**CO_2e in metric tons**
Diesel	0	0
Gasoline	8	0.09
Total Operations and Maintenance	194.4	**0.09**