

SEPA¹ 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.

¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance>

A. Background

[Find help answering background questions](#)²

1. Name of proposed project, if applicable:

Water Line Replacement

2. Name of applicant:

Scott Woodbury

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

PO Box 662, Enumclaw, WA 98022

253-261-1937

Contact same as applicant

4. Date checklist prepared:

Sept 2024

5. Agency requesting checklist:

King County

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

Early 2025 depending upon when permits are issued

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

None

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

None known

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.

King County Clearing & Grading, WA State Fish & Wildlife HPA, King County Right-of-Way

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.)

² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background>

The project will replace an existing, privately owned 2" steel water line on King Co parcel 3120079032 (28615 SE 472nd St). The existing water line runs along the north property line. Trees have grown over the water line which is estimated to have been installed in the 1950s. The replacement water line would be installed south of the existing line through a grass field that is harvested for hay and then up a slope covered by blackberries and mowed grass to a pump house. See Exhibit A. The water line is supplied by City of Enumclaw water. The portion in the right-of-way of 284th Ave would be completed under a KC right-of-way permit obtained by the City.

- 12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The project is located on King Co parcel 3120079032 (28615 SE 472nd St) and the adjoining right-of-way to 284th Ave SE. The legal description of the parcel is:

N 1/2 OF N 1/4 OF NW 1/4 OF SE 1/4 of Section 31, Township 20 N, Range 7 E. W.M. LESS CO RDS

B.Environmental Elements

1. Earth

[Find help answering earth questions³](https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth)

- a. General description of the site:

Circle or highlight one: Flat rolling, hilly, steep slopes, mountainous, other:

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

40%

- 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.

³ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth>

Per the USDA soil survey (see Exhibit B), approximately the west half of the parcel is Puyallup fine sandy loam and 40% of the east half identified as Shalcar muck and the easterly 10% being Alderwood D series soil.

The grassy portion of the property has been harvested for hay for local agricultural use but is of minor commercial significance due to its small size. No soil would be removed from the site.

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

King County Imap (see Exhibit A) shows a portion of the site as a steep slope erosion hazard. The existing water main runs up the steep slope and the replacement water main must do the same.

- 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 westerly 970 feet of the water line is proposed to be installed in two segments by directional drilling. An approximately 150 feet segment through a mowed grass area east of the drilled segments would be installed by open cut with the trench no larger than 2 feet wide. Excavated materials would be put back in the trench with the topsoil placed back on top. No import or export is planned except at the drilling pit in 284th Ave that will have to be backfilled with crushed rock from a local pit.

If permitting agencies will allow, the west drill would start in the fill for the existing driveway culvert rather than from the west side of the 284th Ave right-of-way. This would shorten the drill, which a driller noted may be too long to be successful launching from the west side of 284th Ave (see Exhibit E). The new water line under the culvert would be installed by open cutting through the driveway fill.

Large rocks scattered around and exposed at the surface of the mowed area east of the steep slope were pointed out by a driller visiting the site as evidence that drilling the steep slope may not be achievable (see Exhibit E). The drill may not be able to penetrate the boulders or could be deflected off course, in which case the water line would need to be installed through the steep slope area by the open cut method.

Blackberry cutting and the trench width would be kept to the minimum necessary to install the water line. Disturbed areas would be seeded but would be quickly taken over by the fast-growing blackberry. Shrub or tree replanting of the disturbed area over the water line would prevent access to and potentially put the water line at risk of damage in the future.

- f. Could erosion occur because of clearing, construction, or use? If so, generally describe.**

Erosion could occur where there is open cut trenching and excavation.

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

No change in impervious surface will occur.

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

Erosion will be minimized by mulching and seeding any disturbed area after the water line is installed.

2. Air

[Find help answering air questions](#)⁴

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.

Air emissions from construction equipment would temporarily occur. There would be no air emissions from the completed project.

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

There are none known.

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

Equipment that is in good working condition will be used to reduce emissions.

3. Water

[Find help answering water questions](#)⁵

a. Surface:

[Find help answering surface water questions](#)⁶

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.

Although no formal delineation has been done it is presumed that wetlands are present in the pasture area due to on-site conditions, in particular the standing water and wetland type plants that predominate the easterly 2/3 of the pasture area. There is a fish bearing stream that runs along the westerly property line, a portion of which is culverted where there is a driveway to the property from 284th and a gate in the site fencing. The 18 foot long, 36" diameter, corrugated steel culvert is a partial fish barrier that will be unaffected by the water line project.

⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air>

⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water>

⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water>

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

Yes, the new water line is proposed to be drilled under the existing driveway culvert. Please see the description in B.1.e. above. The existing stream is closer to the westerly line of the property than shown on the King County Imap website.

Scour analysis by the county for a culvert replacement project 900 feet downstream concluded that there is only about 0.1 feet scour depth and installed a concrete box culvert with only 2 feet of streambed material in the bottom of the box. The water line is proposed to be drilled under the existing driveway culvert at SE 472nd St by a depth of 2 feet below the culvert invert to be at similar depth below the bed of the stream should the driveway culvert be removed in the future.

The owner of the property that the 472nd St driveway culvert accesses has made arrangements to access their property from the adjacent property to the south with the hope that the county or other interested party will remove the 472nd St driveway culvert at some point in the near future.

3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

4. Will the proposal require surface water withdrawals or diversions? Give a 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.

The area of the site along the stream is located within the 100-year floodplain according to KC Imap. See Exhibit C. The only work in the 100-year floodplain would be the excavation on the west side of the 284th right-of-way for the drill pit and for connection to the existing water main and disconnection of the existing water service line from the City water main. The area would be restored back to equal to existing condition with no change to the 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 into surface waters by this project.

b. Ground:

[Find help answering ground water questions](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater)⁷

⁷ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-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 a general description, purpose, and approximate quantities if known.

No groundwater will be withdrawn and no water will be discharged to groundwater.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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.

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.

There is no source of runoff or collection and disposal of runoff associated with this proposal.

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

No waste materials will enter ground or surface waters.

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

No, since there will no change in surface grades.

4. Plants

[Find help answering plants questions](#)

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

- ☒ deciduous tree: alder, maple, aspen, other
- ☒ evergreen tree: fir, cedar, pine, other
- ☒ shrubs
- ☒ grass
- ☒ pasture
- ☐ crop or grain
- ☐ orchards, vineyards, or other permanent crops.
- ☒ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☐ other types of vegetation

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

No vegetation other than grass is proposed to be temporarily removed.

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.

Disturbed areas will be seeded.

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

Blackberry is present on the site, in particular on a portion of the steep slope area.

5. Animals

[Find help answering animal questions](#)⁸

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.

Examples include:

- Birds: hawk, heron, eagle, songbirds, other:
- Mammals: deer, bear, elk, beaver, other:
- Fish: bass, salmon, trout, herring, shellfish, other:

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

None are known.

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

The site area lies within the Pacific Flyway. The proposal will not impact migration routes.

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

None.

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

None are known.

⁸ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals>

6. Energy and natural resources

[Find help answering energy and natural resource questions](#)⁹

- 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.**

No energy source is needed for the completed project.

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

The project will not affect potential use of solar energy as surface grades are not changing.

- 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.**

The project does not include energy conservation features and there are no energy impacts to mitigate.

7. Environmental health

[Health Find help with answering environmental health questions](#)¹⁰

- a. **Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe.**

None known.

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

There is no known contamination at the site.

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.**

No chemicals/conditions will affect the project.

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.**

No such chemicals will be stored, used, or produced as a result of this project.

4. **Describe special emergency services that might be required.**

No special emergency services will be required.

⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou>

¹⁰ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health>

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

Implementation of construction BMPs will reduce or control any hazards.

b. Noise

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

No noise will 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)?

There will be noise from construction equipment for the short term of the project during normal daytime hours.

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

Construction equipment will be muffled to reduce noise impacts.

8. Land and shoreline use

[Find help answering land and shoreline use questions](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use)¹¹

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 and adjacent properties is low density residential with pasture land or undeveloped residentially zoned parcels.

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 because of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

The project site grass pasture areas have been used for hay production, but not on a commercial scale. No conversion of the existing uses will occur as a result of the project.

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?

There will be no effect on the proposal from adjacent uses.

c. Describe any structures on the site.

There is an existing residence on the project parcel near 286th Ave.

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

¹¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use>

No structures will be demolished.

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

The site is Rural Area (RA-5).

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

The site is Rural Area.

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

The site is not identified to be within a designated shoreline according to KC Imap.

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

The stream that runs in the vicinity of the westerly property line is classified as a salmon bearing class 2S stream on KC Imap.

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

No change will occur as a result of this project.

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

None.

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

No such measures are necessary.

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

No such measures are necessary.

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

No such measures are necessary.

9. Housing

[Find help answering housing questions](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing)¹²

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:

¹² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing>

No such measures are necessary.

10. Aesthetics

[Find help answering aesthetics questions](#)¹³

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

No structures are proposed.

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

No views will be altered or obstructed.

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

No such measures are necessary.

11. Light and glare

[Find help answering light and glare questions](#)¹⁴

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

None.

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

No light or glare will be produced.

- 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:**

No such measures are necessary.

12. Recreation

[Find help answering recreation questions](#)

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

None.

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

No existing uses will be displaced.

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

¹³ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics>

¹⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare>

No such measures are necessary.

13. Historic and cultural preservation

[Find help answering historic and cultural preservation questions](#)¹⁵

- 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 known.

- b. **Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.**

None known. No professional studies have been conducted.

- 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.**

Portions of the site are designated by the state WISAARD data map as having a moderate risk of encountering historic and cultural resources.

- 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 water line is proposed to be installed by directional drilling under the moderate risk areas identified on the state WISAARD map. See Exhibit D.

14. Transportation

[Find help with answering transportation questions](#)¹⁶

- 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.**

284th Ave SE lies on the west side of the site and SE 472nd St/288th Ave SE on the east. Access to the site for the open cut portion of the water line work would be via SE 472nd St/288th Ave SE. Work on the west end would only occur on the west side of the 284th Ave right-of-way.

- 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?**

¹⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p>

¹⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation>

Transit service is not applicable to this water line replacement project.

- c. **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 required.

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

No.

- e. **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.

- f. **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.

- g. **Proposed measures to reduce or control transportation impacts, if any:**

None are proposed.

15. Public services

[Find help answering public service questions¹⁷](#)

- a. **Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.**

No.

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

None proposed.

16. Utilities

[Find help answering utilities questions¹⁸](#)

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

¹⁷ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services>

¹⁸ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities>

- 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 project proposes to replace an existing 2" water line with a new 2" water line. The water line is privately owned but is served water by the City of Enumclaw. No other utilities are proposed.

C. Signature

[Find help about who should sign](#)¹⁹

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.

9/8/2024

X Scott Woodbury

Signed by: 7b20343a-b8c5-4588-83ed-3a217c89635d

Type name of signee: Scott Woodbury

Position and agency/organization: Agent for water line owner

Date submitted: August 12, 2024

D. Supplemental sheet for nonproject actions

[Find help for the nonproject actions worksheet](#)²⁰

Do not use this section 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?

- Proposed measures to avoid or reduce such increases are:

¹⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature>

²⁰ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-d-non-project-actions>

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

- **Proposed measures to protect or conserve plants, animals, fish, or marine life are:**

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

- **Proposed measures to protect or conserve energy and natural resources are:**

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?

- **Proposed measures to protect such resources or to avoid or reduce impacts are:**

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?

- **Proposed measures to avoid or reduce shoreline and land use impacts are:**

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

- **Proposed measures to reduce or respond to such demand(s) are:**

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

Exhibit A

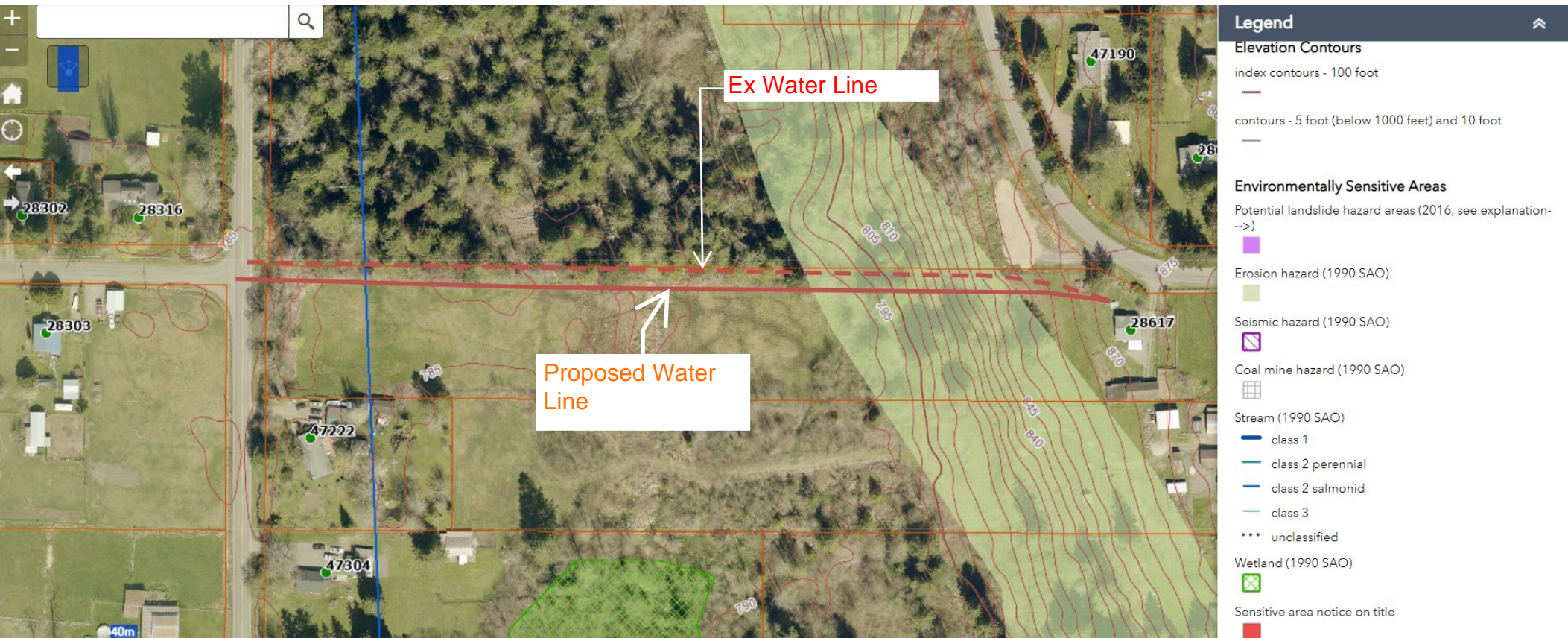
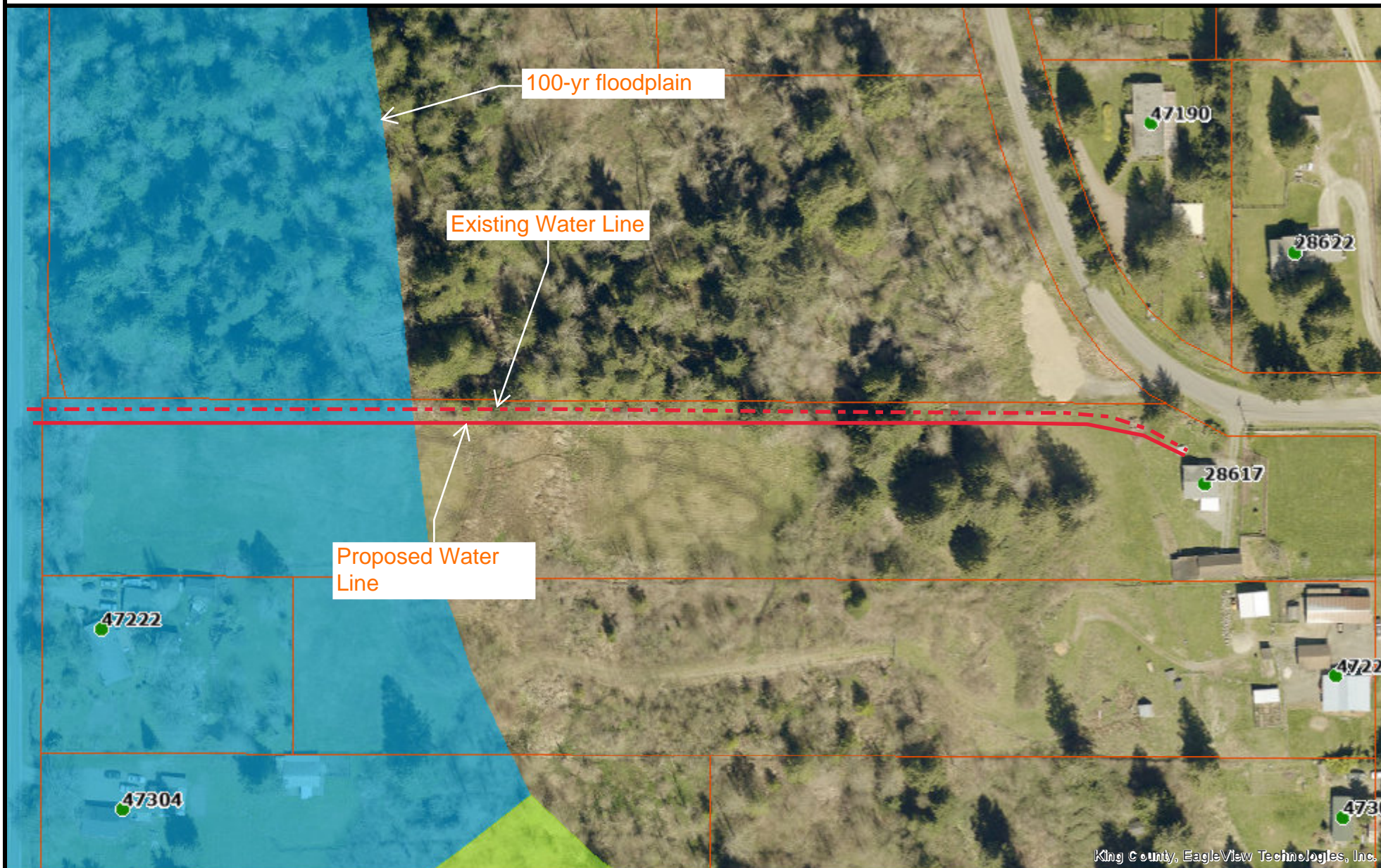


Exhibit B

King County Area, Washington (WA633)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AgC	Alderwood gravelly sandy loam, 8 to 15 percent slopes	0.7	6.8%
AgD	Alderwood gravelly sandy loam, 15 to 30 percent slopes	1.2	10.8%
Py	Puyallup fine sandy loam	5.5	50.2%
Sm	Shalcar muck	3.5	32.2%
Totals for Area of Interest		10.9	100.0%



Exhibit C



King County, EagleView Technologies, Inc.

The information included on this map has been compiled by King County staff from a variety of sources and is subject to change without notice. King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a survey product. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of King County.

Date: 5/5/2024

Notes:



King County

Exhibit D



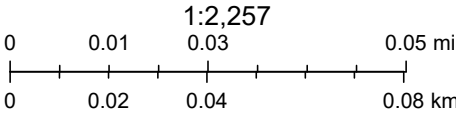
5/5/2024

Sections

Environmental Factors with Archaeological Resources Results

3 - Survey Recommended: Moderate Risk (Color: Orange)

4 - Survey Highly Advised: High Risk (Color: Pale Yellow)



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap

RE: Quote to Drill 2-in Water Line

Brandon Simonds <bs@trenchlessconstruction.com>

Thu 9/5/2024 11:26 AM

To: Scott Woodbury <scottwoodbury@hotmail.com>



1 attachments (77 KB)

Scott Woodbury - SE 472nd St & 284th Ave SE Enumclaw.docx;

Scott-

We all reviewed the information you sent over and we are still on the fence if this will work with out splitting up the bore and making them shorter on the lower end. We think if we could make the 775 foot bore into two 400 foot bores the chances of success are much higher. With that being said I know you think that process will be much harder to get approved. Based on that I have worked up a number to attempt the bore of 775 feet. You will see I also put a mobilization item in the proposal. This mobilization item would cover us to come out, set up the drill and attempt the bore up to 3 times. If the bore is unsuccessful we would then demobilize and only charge the mobilization item. However, if we are able to successfully do the bore there is also a per foot cost. In other words, if we are able to bore all 775 feet in one bore we would then expect to be paid the mobilization item and the per foot item based on the footage installed. I hope this make sense but if not please reach out to me.

As for the hill bore, I don't think this is going to be successful based on the information you sent me. It appears there are a lot of big boulders on that hill side and I think that will be an issue. With that said if we are successful on the lower bore we will attempt the upper bore. Again, if this is successful we would only expect to be paid the per foot cost item for the total footage installed.

You will see that there are multiple items I left out of my proposal. All permitting would be on you. I also didn't include any traffic control since I'm not sure what will be required. That typically is figured out during the permitting process. If you want I can add a cost for traffic control once you get approved Traffic Control Plans. I also didn't include a price for any connections to the water main or exist meters. That work isn't our specialty so it would probably be best to find a water line contractor that does that type of work. Finally, I didn't include any hard surface restoration because again I'm not sure what will be required.

Once you have had a change to review all this information let me know if you have any questions.

Thank you,

Brandon Simonds
Project Manager/Member
360.474.0123 (O)
360.474.0195 (F)



From: Scott Woodbury <scottwoodbury@hotmail.com>

Sent: Tuesday, September 3, 2024 7:52 AM

To: Brandon Simonds <bs@trenchlessconstruction.com>

Subject: Re: Quote to Drill 2-in Water Line

Here is well log information for the area as well.



PROPOSAL

DIRECTIONALLY CONTROLLED HORIZONTAL DRILLING AND WATER SERVICE INSTALLATION

**WOODBURY RESIDENCE -
WATER SERVICE PROJECT
SE 472ND STREET & 284TH AVE SE,
ENUMCLAW, WA**

BID DATE: 09 / 05 / 2024

**We hereby submit a Proposal for the installation by directional drilling of 1-2”
HDPE water service for the above project.**

Responsibilities of Owner/General Contractor:

- 1. Provide access for drilling & support equipment to each drill location.**
- 2. Provide restoration of all areas disturbed during drilling process.***
- 3. Make all connections to continuing watermain, buildings and/or meters.**
- 4. Provide survey of approved bore path and property lines.**
- 5. Provide all permits and TCP.***
- 6. Provide traffic control, as required.**
- 7. Provide private locates of existing water main.**

*** We will need an 8'L x 4'W start pit at the existing water mains location in the asphalt.**

**** We will need to close a lane on SE 472nd Street and SE 472nd Street to set up the drill on the corner and pothole existing utilities.**

www.TrenchlessConstruction.com

**Office 360.474.0123 * Fax 360.474.0195 * PO Box 3372 * Arlington, WA 98223
#TRENCCS013MW**

Responsibilities of Trenchless Construction Services, L.L.C.

- 1. Mobilization/Demobilization, Setup, and Operation of a Vermeer 24x40 or comparable size directional drill with all drill pipe, bits, and fluids.**
- 2. Provide tracking equipment to produce an as-built location of the conduits.**
- 3. Provide and install 2" HDPE pipe by directional drill.**
- 4. Provide vacuum trailer for disposal of all slurry associated with drilling.**

Assumptions and Conditions

- 1. Trenchless Construction Services, L.L.C. has assumed that soil conditions are conducive to horizontal directional drilling and that no unforeseen obstacles such as man-made obstructions, caverns, fissures, artesian wells, buried logs, boulders, solid rock, or interference that will compromise the accuracy of locating equipment, etc. will be encountered. If unforeseen site conditions should be encountered Trenchless Construction Services, reserves the right to terminate the bore and negotiate an equitable adjustment with the Owner or Prime Contractor.**
- 2. If Trenchless Construction Services, L.L.C. is required to cease operations because of an inadvertent mud fracture or any other circumstances arising from this fracture that are insurmountable and beyond the control of Trenchless Construction Services, L.L.C., Trenchless Construction Services, L.L.C. reserves the right to terminate the bore and negotiate with the Owner or Prime Contractor.**

Schedule of Prices:

HORIZONTAL DIRECTIONAL DRILLING

DESCRIPTION:	QUANTITY:	PER UNIT PRICE:
Mobilization/De-Mobilization	1 EA	\$ 19,465.00
Directional Boring (2" HDPE water service)	1,050 +/- LF	\$ 39.50

The following are Excluded from this proposal:

Bond (additional fee, if required)

Wash. State Sales/Use Taxes

Payment Monthly as the work progresses. 1.5% interest per month on past due accounts. Untimely payment will be cause for work stoppage.

Proposal may be withdrawn if not accepted within 30 days.

If you have questions about our proposal or require additional information, please contact me at (360) 474-0123 or (206) 786-5273.

Sincerely,

Brandon Simonds
Project Manager
Trenchless Construction Services, L.L.C.