

SEPA ENVIRONMENTAL CHECKLIST - AMENDED

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable:

Ravensdale Reclamation Trench Filling Project for Trench E

2. Name of applicant:

**Ravensdale, LLC
Kurt Erickson & Fred Wagner**

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

**PO Box 200
Fox Island, WA 98333
PH: (253) 606-6060**

**Contact: Brett Allen, P.E., Principal Contour Engineering, LLC.
PH: (253) 857-5454**

4. Date checklist prepared:

November 2020

5. Agency requesting checklist:

King County Department of Local Services, Planning Division

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

Trench E will be filled as needed and depending on site-specific weather conditions.

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

Yes, the reclamation of trench F is planned as a future phase. Permits for the reclamation will be submitted in the future and reviewed under a separate SEPA Checklist

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

Wetland, Aquatic Area, and Fish and Wildlife Habitat Assessment Technical Memorandum prepared on May 30, 2018, by Soundview Consultants LLC.

Response to Brathovde Comments Technical Memorandum prepared on May 24, 2019, by Soundview Consultants LLC

Preliminary Response to King County's Ecological Critical Areas Review Memo and Request for Additional Information (7/3/2019) Technical Memorandum prepared on July 30, 2019, by Soundview Consultants LLC

Response to King County's County's Ecological Critical Areas Review Memo and Request for Additional Information (7/3/2019) Technical Memorandum prepared on December 27, 2019, by Soundview Consultants LLC

Trench E Coal Mine Strip Pit Reclamation and Restoration Project: Wetland, Aquatic Area, and Fish and Wildlife Habitat Assessment Technical Memorandum dated November 17, 2020, by Soundview Consultants LLC

Hydrogeological Evaluation and Abandoned Coal Mine Assessment Trench E Reclamation and Restoration Ravensdale LLC Property prepared on December 10, 2019, by Icicle Creek Engineers

Critical Areas Report – Preliminary Coal Mine Hazard Assessment – Abandoned Trench E Strip Pit Excavation Reclamation and Restoration Project – Ravensdale LLC Property, prepared on November 17, 2020, by Icicle Creek Engineers

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, not to our knowledge.

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

King County Clearing and Grading for Filling, Washington State Department of Ecology NPDES permit, and DNR Forest Practices Application for Timber Removal. The DNR application numbers are: 2411892, 2411923, 2411944, 24112301, 2412330, 2412742, 2412833, 2412889, 2412915.

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.)

This proposal is an additional phase to the approved fill and grade and reclamation-restoration plans (GRE18-0114) known as Trench A, B, C, D, G, H, I, J, and K (Main Site). The main purpose of this fill and grade is to continue to address coal mine safety hazards of which improvements support long-term commercial forestry operations, as well as future public access in accordance with recorded conservation easements. This reclamation restoration project will restore degraded ecological and water quality conditions within Trench E, re-establish shallow groundwater interflow across the mitigated area, and eliminate human safety hazards posed by Trench E. The Coal Mine Safety Hazard Areas is inconsistent with the continued restoration of the land and improves safety for continued use of the land. This proposal will improve or eliminate the safety hazards associated with Trench E.

Trench E has a clearing limits area of 8.355 acres and like the 215-acre main site, the Trench E site will return to forestry use after completion of the fill and grade. The site is also encumbered by a Bonneville Power Administration Easement and high-power electrical transmission towers and power lines.

A copy of the Reclamation Filling and Restoration Plans are included with this checklist.

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.

This project is located southeast of the silica processing plant on SE Ravensdale Way.

The legal description is the SE 1/4 of Section 36, Township 22 North, Range 6 East, and the NE 1/4 of Section 1 Township 21 North, Range 6 East, W.M.

Driving directions from Covington are to follow Kent-Kangley Rd east towards Ravensdale, turn right on SE Ravensdale Way (Black Diamond/Ravensdale cutoff road), go approximately 250 feet past the railroad crossing, the entrance is on the left. Traveling up the existing gravel service road will take you to the top of the hill which is Trench A. Attached is a site map that depicts the other trench locations.

B. Environmental Elements [\[HELP\]](#)

1. **Earth** [\[help\]](#)

a. General description of the site:

(circle one): Flat, rolling, hilly, **steep slopes**, mountainous, other ___

The trench has some vertical side slopes average slopes range from 40 to 100 percent.

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

85 to 90 percent with vertical areas on the southwest side of the trench.

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.

Trench E is excavated into impermeable bedrock that was exposed by the artificial strip mining actions. Gravelly loam soils and rock is located on the surface.

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

Trench E was excavated into impermeable siltstone and sandstone bedrock that contained a coal seam that was mined for a commercial purpose. No reclamation was completed upon abandonment of the trench. The excavation resulted in unstable side slopes that are inclined from 40 percent grade to vertical. Trench E is also underlain by abandoned underground mine workings that are less than 150 feet below the base of the trench. This is considered by King County Zoning Code Title 21A as a Severe Coal Mine Hazard area where sinkholes may form and are a hazard to structures and public safety.

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

The purpose of filling activities is to eliminate severe coal mine hazard areas through the importing of fill from economic development activity in the Puget Sound region, including but not limited to significant commercial, industrial, and residential development; state highway projects, other public works projects.

Estimated bank fill quantities for the trench are as follows:

Trench E		
Permitted 2011 import quantity:	33,200	
	FILL CY±	
As-built import quantity 2017:	95,854	
Proposed additional import quantity:	210,285	
Total Import (bank yards):	306,139	
	CUT CY±	
Top soil (assuming 1-foot depth):	6,640	

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

With any clearing, grading, and construction operations, there is always the potential for erosion. The implementation of appropriate erosion control BMP's will help limit the impacts. Once construction activities are complete and the site is stabilized there is minimal potential for erosion.

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

At project completion, zero percent of the site will be impervious. No new impervious surface will be created. All existing impervious gravel roads will remain.

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

An erosion control plan is being developed to manage the surface run-off which could contribute to potential erosion from the site. Silt fencing and covering exposed soils will likely be a part of this plan.

Trench E is a closed depression, isolated from other surface areas limiting potential impacts to surface waters from erosion. As needed collected water in the depression will be pumped to disperse into adjacent forested areas.

2. Air [\[help\]](#)

- 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.

During the filling process, there will be dust from the road traffic, emissions from construction equipment, and administration vehicles.

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

No, not to our knowledge

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

All of the vehicles and equipment used on the project will meet or exceed the current emissions standards.

3. Water [\[help\]](#)

- a. Surface Water: 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.

One small Category III wetland (Wetland E) was identified within 300 feet of Trench E. Wetland E is isolated from Trench E, and no new work in the wetland or buffer areas will occur.

The bottom of Trench E is unvegetated and artificially holds water due to the deep nature of the excavation to the underlying bedrock and the lack of any outlet.

- 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, mine reclamation actions will take place within 200 feet of Wetland E. The project does not propose any direct wetland or stream impacts. No work over or within these critical areas will occur. The project will fill and reclaim the Trench E coal mine strip pit.

- 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.

Yes, approximately 306,139 cubic yards of materials will be placed with the Trench E excavation. As mentioned above the purpose of filling activities is to eliminate severe coal mine hazard areas through the importing of fill from economic development activity in the Puget Sound region, including but not limited to significant commercial, industrial, and residential development; state highway projects, other public works projects.

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

No, the proposed project does not require any surface water withdrawals or diversions.

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

Not to our knowledge.

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 material will be discharged to surface waters.

b. Ground Water: [\[help\]](#)

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, groundwater withdrawals are not proposed.

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 materials will be discharged into groundwater during construction or by the completed project.

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.

Surface stormwater runoff is addressed in the Temporary Erosion Control Plan by Contour Engineering, LLC.

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

Not applicable, no waste materials will be generated by the project.

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

The reclamation will restore the natural drainage patterns on the site.

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

Surface stormwater runoff is being addressed in the Temporary Erosion Control Plan which is currently being developed by Contour Engineering, LLC. Proposed measures include filter fabric fence and temporary sediment traps.

4. **Plants** [\[help\]](#)

- 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?

Existing vegetation within the proposed fill limits will be removed or altered during the mine reclamation work. In general, the areas around the subject trench and outside the power transmission easement are dominated by non-native invasive vegetation and other early successional aggressive species such as red alder and Douglas fir. There are areas within the trench will no vegetation because of the bedrock (no soil) condition.

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

There are no known threatened or endangered plant species to exist on or near the site to our knowledge.

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

After the filling project, the site will be replanted with native species. The final phase of the reclamation plan is addressed in the Approved Forest Management Plan. The plan was approved by the King County Department of Natural Resources. The area will be seeded with an approved forestry mix to enhance soil stability and development. Planting within the Bonneville Power Administration easement will be limited to seed mixes approved within power easements.

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

Himalayan blackberry, Scotch broom, and reed canary grass are present onsite. All are list by King County as non-regulated Class B or C noxious weeds. Per King County, these are noxious weeds that are not designated for control in King County.

5. Animals [\[help\]](#)

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

Examples include:

birds: hawk, heron, eagle, **songbirds**, other:
mammals: **deer, bear, elk**, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

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

No threatened or endangered animal species are known to be on or near the site to our knowledge.

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

To our knowledge, the site is not a part of a migration route. However, as with the rest of Western Washington State, the project site is located within the Pacific Flyway for Migratory Birds.

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

As proposed the trench site is being reclaimed and portions reforested per approved plans providing food and cover for wildlife and improving natural habitat. There are no additional proposed measures to preserve or enhance wildlife as part of this proposal

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

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

6. Energy and Natural Resources [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Not applicable to the proposed reclamation project.

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

Not applicable to the proposed reclamation project.

- c. What kinds of energy conservation features are included in the plans of this proposal?
List other proposed measures to reduce or control energy impacts, if any:

Not applicable to the proposed reclamation project.

7. Environmental Health [\[help\]](#)

- 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.

As with any construction site, there is always the potential for chemical spills and/or fires

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

There are no known or possible contaminations 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.

There are no known existing hazardous chemicals or conditions.

- 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, fuel and hydraulic fluids for construction equipment will be

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

There are no known special emergency services that might be required for the proposed filling operation.

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

All equipment and vehicles will be maintained in a manner to reduce or eliminate the potential for equipment failure. Any incident will be corrected immediately and the proper authorities will be contacted. Also, a spill control plan will be prepared for the fill and grade operations.

It is important to note that the reclamation of the site will eliminate the need for any special emergency services from the inherent risk presented by the open trench. Special rescue operations could be required due to the steep slopes, depth of the trench, and overhead powerlines.

b. *Noise*

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

There are no known sources of noise that will affect the proposed 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 will be generated from onsite equipment and by trucking of fill material to the site. It is anticipated that operations could run 24 hours a day, 7 days a week dictated by the availability of fill material from other sites. Fill and grade will likely occur during normal business hours. The Fill site is located

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

All equipment and vehicles will meet all applicable noise standards including the use of engine brakes are prohibited. Trucking operations will avoid residential streets where possible.

Trench E is located approximately 0.75 miles from the nearest residential properties limiting any noise impacts. Furthermore, the required safety elements like backup beepers are not regulated by noise standards.

8. *Land and Shoreline Use* [\[help\]](#)

- 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 Trench E site is currently long-term commercial forestry. As previously mentioned there is also an existing high-power electric transmission line and easement.

Adjacent uses include long term forestry to the south and east, mineral extraction and long-term forestry to the west, and railroad right-of-way to the north.

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

The site is currently designated as forest lands of long-term commercial significance. The proposed will not convert any property from the forestry designation. The Coal Mine Hazard Area restrict the commercial long-term forestry use by creating a safety hazard and limiting access.

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:

Not applicable, the proposed is commercial long-term forestry.

c. Describe any structures on the site.

Other than the high-power electrical transmission towers there are no permanent structures on-site. Temporary structures like mobile office trailers and storage containers could be brought onsite temporarily.

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

Not applicable

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

The site is zoned F-forest and M- mineral

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

The comprehensive land use designation of the site is F-forest. Additionally, a portion of the site is designated as Forest Protection District. This designation is used to identify forest lands of long-term significance.

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

Not applicable

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

Yes, Trench E is a Coal Mine Hazard Area.

As mentioned previously mentioned in this checklist there are wetlands on-site adjacent to the Trench. For more information please see the Technical Memorandum prepared on November 17, 2020, by Soundview Consultants LLC.

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

No permanent employment will result from this project. However, the project will support the employment of three full-time workers, which results in an additional four direct, indirect, and induced jobs (BEA RIMS II Multipliers I/O Modeling).

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

Not applicable

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

Not applicable

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

Filling the coal mine hazard area (trench) will eliminate safety hazards that affect long-term forestry operations on-site. Further, elimination of these safety hazards will support future public trail access in accordance with a recorded conservation easement. The filling activities will also restore shallow groundwater interflow conditions.

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

As proposed the grade and fill activity will eliminate safety concerns and further support the management of land designated as forest lands of long-term commercial significance. No other measures are proposed.

9. *Housing* [\[help\]](#)

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

Not applicable

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

Not applicable

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

This reclamation project has the potential to accept the export of overburden, soils or rock materials coming from the site preparation for new housing in the region. This project could support future residential housing projects as they balance sites to meet GMA densities, which also helps to reduce the rising cost of housing creation through the availability of export sites regionally within close proximity to growing housing markets like Auburn, Kent, Covington, Black Diamond, and Maple Valley.

10. *Aesthetics* [\[help\]](#)

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

Not applicable

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

Not applicable

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

Not applicable

11. Light and Glare [\[help\]](#)

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

During construction operations, light will be produced from the operation of equipment, vehicles, and portable light towers. Once construction operations are complete, no light will be generated by the proposed.

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

Not applicable, no light or glare will be generated by the proposed.

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

There are no known sources of light or glare that will affect the proposed

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

There are no measures to reduce or control the impacts of the light generated during construction activities.

12. Recreation [\[help\]](#)

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

Several horseman clubs utilize the surrounding forest land. Also, there are some hiking opportunities associated with this property and adjacent properties. These opportunities are informal and at the approval of the landowner. Also, trespassing ATV operators are utilizing the power line corridor, this use is unauthorized.

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

No, any informal recreational activities that might exist onsite will be suspended as a safety precaution

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

The proposed reclamation project's grade and fill will resolve safety issues caused by severe coal mine hazard areas, which currently restrict the use of the property for recreational activities. Once the grade and fill activities are complete, the Applicant can work with Forterra on fulfilling the conservation easement requirements for public access, including a trail.

13. *Historic and cultural preservation* [\[help\]](#)

- 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.

No, not to our knowledge

- 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.

There are remnants of historical coal mining facilities on this previously unreclaimed site. There are no known human burials or cemeteries on the site.

- 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.

King County GIS, King County Assessor, and Washington Department of Archaeology & Historic Preservation's (DAHP) WISAARD program. The methodology also included research using the Washington Information System for Architectural and Archaeological Records Data (WISAARD), an online GIS map tool for locating designated historical sites that are listed on the state and national register. No such sites are identified on the property.

- 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.

No specific measures are proposed. No impacts to any historic or cultural resources are anticipated due to the nature of the proposed fill actions and since excavation activities are not proposed.

14. *Transportation* [\[help\]](#)

- 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.

SE Ravensdale Way, Kent-Kangley Road. Maintenance of the old logging roads will provide access to the site.

- 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?

Not applicable

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

Not applicable

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

Routine maintenance to the existing private logging roads to support the additional traffic of dump trucks transporting fill material to the site will be needed. Maintenance will include culvert clearing, fine grading for pothole removal, and compaction. Maintenance will maximize the width of the existing travel surface throughout the project site. No additional subgrade is needed, only spot treatment of ballast and surfacing. Additional haul roads will be constructed as required to complete operation. All new haul roads will be restored to forested conditions once operations have concluded.

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

BNSF has a right-of-way to the north of the fill site. The proposed will not impact or utilize the existing rail.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

No vehicular trips per day will be generated by the completed project. However, it is estimated that approximately 25 to 30 trips per day will be made by dump trucks and other vehicles to and from the site during the lifetime of the fill and grade operation.

- 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.

Not applicable

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

There are three primary haul routes from the west, north, and south (see the attached route maps for more detail). The majority of the fill materials will come from the west and north. To reduce impacts, the haul routes will remain variable based on the availability of material, traffic conditions, and the time frame of specific individual operations. The owner will reserve the right to dictate the haul route based on these variable conditions. There are no other measures proposed to reduce or control transportation impacts as the completed project will not generate additional trips.

15. Public Services [help]

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

No, the reclamation project will not require public services.

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

Not applicable

16. Utilities [help]

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

Not applicable

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Not applicable

C. Signature [HELP]

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

Signature: _____



Name of signee Brett Allen, P.E.

Position and Agency/Organization Principal Engineer, Contour Engineering, LLC

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