

# SEPA ENVIRONMENTAL CHECKLIST

## ***Purpose of checklist:***

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

## ***Instructions for applicants:***

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

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

## ***Instructions for Lead Agencies:***

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

## ***Use of checklist for nonproject proposals:***

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

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

1. Name of proposed project, if applicable: Cirelli SFR
2. Name of applicant: Lisa & Stephen Cirelli
3. Address and phone number of applicant and contact person:

73 Washburn Ave Rumford, RI  
847-344-5963

4. Date checklist prepared: February 16, 2023
5. Agency requesting checklist: King County
6. Proposed timing or schedule (including phasing, if applicable): Immediately after permit issuance.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. No
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.  
Approved CADs (L07SA624, CADS15-0125, CADS21-0051. Mitigation plan by The Watershed Company, April, 2017. Mitigation plan by MacWhinney Environmental Consulting, 6/1/21. HPA permit will be applied for upon SEPA determination.
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.
10. List any government approvals or permits that will be needed for your proposal, if known. Drainfield approval was received from King County Department of Health (Activity ON0221491, approved 12/22/2021). Hydraulic Project Approval will be requested from the WDFW upon receipt of SEPA determination from King County.
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 SEPA Checklist is being prepared in support of a drainfield line to serve a proposed single-family home. The drainfield and home are proposed to be on opposite sides of a stream/wetland area, due to space constraints on the subject parcel. This is the only configuration that reduces impact and meets Health Codes.  
  
The house and drainfield will be connected via a 2-inch pipe. A small trench will be excavated using a walk-behind ditch witch with a width of 1.5'. The pipe will be placed in the trench, and the area will be restored to its former condition. As the drainfield line approaches the stream, a directional bore will be used to tunnel under the stream. To accomplish this, a 3-foot by 3-foot pit will be excavated approximately 6 feet from the stream; the equipment will be dropped into this hole, and a small tunnel will be bored at a depth of 4 feet under the stream, exiting approximately 6 feet from the OHWM on the opposite side of the stream. This is a temporary impact since the area will be restored to its original condition.
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 site has not been addressed. Tax parcel number 262306-9105, NE Section 26 Township 23N Range 06E.

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

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

a. General description of the site:

The main property is 4.96 acres and currently undeveloped.

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

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

Approx. 40%. Small section of 40% slope mapped by King County. Majority of site is approximately 15 – 20% slope.

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 majority of the site is mapped as Ragnar Indianola Association, sloping, with a small area of Alderwood/Kitsap.

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

No.

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.

No fill is necessary to install the waterline. Materials disturbed on the surface will be replaced after pipe installation.

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

Erosion is not expected. Standard erosion control methods will be used to minimize impact from erosion.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? The proposed waterline installation will not change the impervious surface over existing condition.

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

### **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.

A minor amount of engine exhaust will result from installation of drainfield line. This is anticipated to take approximately one day.

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

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:  
Equipment will be turned off when not in use.

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

#### a. Surface Water: [\[help\]](#)

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.

Two unnamed streams and associated wetlands are present on the parcel. Buffers on the wetlands are 110 feet, plus a 15-foot building setback. Stream buffers are 65 feet. Wetland contains areas dominated by scrub-shrub and forested communities. Scrub-shrub areas contain salmonberry (*Rubus spectabilis*). Areas dominated by trees are present, and include western red cedar (*Thuja plicata*), and red alder (*Alnus rubra*). Many downed logs occur throughout the wetland areas. The buffer is dominated by Himalayan blackberry (*Rubus armeniacus*).

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 house and drainfield will be connected via a 2-inch pipe. A small trench will be excavated using a walk-behind ditch witch with a width of 1.5-feet. The pipe will be placed in the trench, and the area will be restored to its former condition. As the drainfield line approaches the stream, a directional bore will be used to tunnel under the stream. To accomplish this, a 3-foot by 3-foot pit will be excavated approximately 6 feet from the stream; the equipment will be dropped into this hole, and a small tunnel will be bored at a depth of 4 feet under the stream, exiting approximately 6 feet from the OHWM on the opposite side of the stream. This is a temporary impact since the area will be restored to its original condition. The pipeline route will entirely avoid wetlands.

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 general description, purpose, and approximate quantities if known.

No

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

No.

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

No.

#### 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.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Installation of the drainfield line will not create new impervious surface. No runoff is anticipated.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.  
None expected or anticipated.

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

Not expected or anticipated.

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

#### 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?

To install the water pipeline under the stream, two surface excavations within areas dominated by Himalayan blackberry (*Rubus armeniacus*) will be necessary. These holes will provide access for directional boring under the stream.

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

None

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

Mitigation plan has been developed for site. 27,879 s.f. of degraded, blackberry-dominated wetland and stream buffer will be planted with native vegetation.

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

English ivy (*Hedera helix*)

Himalayan blackberry (*Rubus armeniacus*)

## 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.

birds: **hawk, heron, eagle, songbirds**, other: birds native to Western Washington

mammals: **deer, bear, elk, beaver, small mammals**: mammals native to Western Washington

fish: None.

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

Bald eagles, which are federally listed a species of concern may occasionally fly over the general area and potentially perch. No nests are known. Vaux's swift may occasionally fly over site.

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

No.

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

Using directional boring to go under unnamed is designed to avoid impact to water quality and downstream aquatic life.

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

None known/

## 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.

The installation of the pipeline will not change the energy needs of the site. The site will ultimately be developed with one single family home that will use electric and other energy sources, but that portion of the project is not subject to SEPA.

- b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal?

List other proposed measures to reduce or control energy impacts, if any:

None proposed.

## **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. No

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

None known.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None known.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None anticipated.

4) Describe special emergency services that might be required.

None anticipated.

5) Proposed measures to reduce or control environmental health hazards, if any: None proposed.

## **b. Noise**

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

Construction noises at 80 to 90 DBA range from 50' from noise sources may be expected during work hours for one to two days.

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

Construction equipment will be turned off when not in use. Construction activities will be limited to daytime hours and will adhere to restrictions set forth in King County Code 12.86.520 (noise ordinance).

3) Proposed measures to reduce or control noise impacts, if any: Limit operation of equipment to business hours.

## **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.

Residential single-family, land uses will be unaffected with this proposal.

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

No.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No

c. Describe any structures on the site.

No existing structures.

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

No structures will be demolished.

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

RA-5

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

Residential 2.5 – 10 ac/du

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.

Critical areas have been identified by King County, including steep slope, erosion hazard area, Type N aquatic area, and Category III Wetland.

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

The drainfield line will allow for construction of one single family home.

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

None.

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

None proposed.

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

None Proposed .

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

None Proposed.



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

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

One new unit of housing, typical for surrounding area, will be provided.

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

None.

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

None proposed.

## **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?

35-feet.

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

N/A.

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

None proposed.

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

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

N/A.

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

No.

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

None to our Knowledge .

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

None proposed.

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

- 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.

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

None proposed.

### **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 historic buildings or sites on site.
- 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 to our knowledge.
- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.  
None.
- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.  
None 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.  
Site served by minor roads within the Mirrormont Subdivision.
- 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 closest transit stop is in Issaquah, approximately 6 miles away.
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?  
N/A.
- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).  
None proposed.
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.  
No.
- 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 additional trips are expected as a result of the drainfield line. Up to three additional trips per day may result from development of this single family lot.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

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

None.

### 15. Public Services [\[help\]](#)

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.

None anticipated.

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

None proposed.

### 16. Utilities [\[help\]](#)

a. Circle utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,  
other \_\_\_\_\_

None currently.

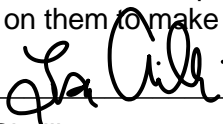
d. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Utilities to serve single family home.

### 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 Lisa Cirelli

Position and Agency/Organization \_\_\_\_\_

Date Submitted: \_\_\_\_\_

### D. Supplemental sheet for nonproject actions [\[HELP\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

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?  
None.

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.