

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:

Tybren Heights Road Improvements

2. Name of applicant:

Fuller Designs, Aaron Fuller PE

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

645 SE Prospect St, Chehalis WA 98532

(520) 840-3599

afuller@fullerdesigns.org

4. Date checklist prepared:

January 4, 2020, updates per City comments June 9, 2020

5. Agency requesting checklist:

City of Kelso

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

Schedule pending City approvals. Expected start summer 2020

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

Project owner proposes no additional activity at this time; however, twenty lots within the City of Kelso jurisdiction will be served by this private road. Lot #12 and #13 owners plan to apply for building permits at the earliest opportunity.

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

Geotechnical reports by Strata Engineering are attached for lots 12 and 13 individually as well as the roadway.

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.

Cowlitz County's approval will be required for road improvements outside of City limits.

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

Roadway design, grading, stormwater, utilities.

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 40-acre project will construct an access roadway, storm drainage, and private utility improvements to serve twenty lots within the City of Kelso jurisdiction. Existing Tybren Heights Road will be upgraded to bring it to the proper standards. Roadway designs prepared by Fuller Designs are attached to this checklist to further detail the project description.

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.

300 block of Tybren Heights Road, approximately 1 mile from its intersection with Carrol Road. Parcel Numbers: 241241300, 241241400, 241241500, 241241600, 241241900, 241240900, 241241000, 241242000

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

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

a. General description of the site:

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

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

15-25%

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.

Onsite soils are predominantly silt loam. Coweeman, Hazeldell, Stella and Oympic types are noted.

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

Yes, the project area has some steeper slopes in the north and wetern region. Slopes fall from the east to the west. See attached geotechnical reports established "NO DEVELOPMENT" areas.

- 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.

501 CY of cut material and 613 CY of fill material are proposed for site improvements. Area of disturbance is 23,914 CY. Quantities are approximate.

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

Erosion is not likely to occur due to the erosion control measures that will be in place during construction.

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

Less than 5% of the site will be impervious roadway after construction.

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

Construction Best Management Practices will be implemented to reduce impacts. Runoff will disperse and infiltrate through low impact development stormwater measures.

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.

Construction equipment dust and emissions will be present temporarily. Quantities are unknown.

- 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:

Water will be used to control dust as necessary.

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.

Yes, please see Russell Development critical areas report for wetland and onsite stream discussion, attached.

- 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.

No per Russell Development critical areas report, attached.

- 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.

Residential wells may be installed to serve the 20 existing lots within City jurisdiction. Exact number of wells/quantity withdrawn has not yet been determined.

- 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, thenumber 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.

Future septic systems may be installed to serve the 20 existing lots. Exact type/number of systems/quantity of discharge are unknown at this time.

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.

Stormwater from the proposed roadways will be collected via roadside ditch where it will be conveyed around the improved road surface and ispersed back to natural drainage ways.

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

This is possible during construction but not likely since erosion control measures are scheduled.

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

No.

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

A complete stormwater design and report have been prepared by Fuller Designs to control drainage impacts. These items are in review with the City of Kelso.

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

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

Yes deciduous tree: alder, maple, aspen, other

Yes evergreen tree: fir, cedar, pine, other

Yes 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?

Vegetation will be removed in sufficient quantities to allow for safe construction and operation of roadway.

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:

None proposed.

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

None known.

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.

None known.

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

Yes the site is within the Pacific Flyway.

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

Minimal land disturbance is planned per low-impact development stormwater measures. construction activities are limited to the listed improvements.

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.

Cowlitz County PUD will provide electricity for residential use.

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.

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.

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

No.

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.

- 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.

Fuel and fluids used by heavy equipment will be present during construction. Following construction, use of roadway by automobiles containing fuel and fluids will occur.

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

None.

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

None planned.

b. Noise

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

None.

- 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)? Indi-cate what hours noise would come from the site.

Temporarily, construction equipment noise will be heard in the vicinity during weekday daylight hours. Longterm noises (traffic) will be those typical to a residential roadway.

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

None planned.

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 forested properties are found in and surrounding the site. Use will not change.

- 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 residential. It includes timber but has not been considered a working forest.

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.

None.

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

No.

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

Residential Single Family 10,000 square feet (RSF10)

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

Lower Density Residential

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

N/A

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

Yes, active deep-seated landslide areas are mapped on project site, including roadway section. Geotechnical reporting for the subject property is included with this submittal.

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

None (project is for roadway improvements)

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

None.

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

N/A

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

City of Kelso will review the proposal for compatibility.

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

No measures are planned.

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

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

Zero units will be created (project is roadway improvements only).

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

Zero.

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

N/A

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?

N/A

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

N/A

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

N/A

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?

N/A

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

N/A

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

N/A

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

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

Informal hiking and nature exploration may occur in the vicinity.

- 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:

No measures are planned.

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.

- 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.

No.

- 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.

Sources: Washington State Department of Archaeology and Historic Preservation (DAHP), Washington Information System for Architectural and Archaeological Records Data (WISAARD), National Register of Historic Places in Cowlitz County, and property owner interview.

- 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 measures are planned.

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.

Carroll Road connects Tybren Heights Road to the City's roadway network.

- 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?

No.

- 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).

Yes, portions of the existing Tybren Heights private roadway will require improvements and new roadway will be constructed. Please see the attached civil engineering designs and traffic report by Aaron Fuller PE.

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

No water, rail or air transportation are used onsite or nearby.

- 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?

According to the attached report, traffic count is expected to be 10 trips per lot. With 24 lots prior to the end of the project, total trips are expected to peak at 240 trips per day passing through Tybren's intersection with Carroll Road.

- 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 it will not.

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

Roadway improvements were designed by a civil engineer to increase safety and ease of use for current and future traffic.

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.

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

Proper construction of improvements per civil designs will complement safe roadway use.

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

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

- 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.

Lots in this vicinity will be served by individual well/septic, Cowlitz County PUD electricity, CenturyLink and Comcast communications.

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: **Sabrina Kostick**.....

Name of signee Sabrina Kostick.....

Position and Agency/Organization Bigfoot Permit Co.

Date Submitted: January 4, 2020 and June 9, 2020 and June 30, 2020