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:** Echelbarger Waterway Projects

2. **Name of applicant:** Echelbarger, Jason Strong & Lincoln County Conservation District

3. Address and phone number of applicant and contact person: 3526 N. Ritchey Rd. Medical Lake, WA 99022. (509)-979-4427. jason@hotmail.com

4. Date checklist prepared: 11/4/2019

5. Agency requesting checklist: WDFW

6. Proposed timing or schedule (including phasing, if applicable): 10/2019- 10/2021

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. None

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.
An HPA will be issued from WDFW.

ACOE issued an exemption letter with Nationwide Permit BMP's applied. DOE doesn't have a permit or approval to issue.

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.)

Approximately 5,502 lineal feet of waterway on site #1 (near hwy 2) will be cleaned out and slightly diverted away from crop land and within a buffer zone. Using an excavator, this work will result in the removal of approximately 3,400 cubic yards of spoils. Site #2 will have established tiles replaced to improve water management (drainage) around cropland to prevent erosion while protecting wetland areas. As per the plan sheet, 7 tiles will drain into approximetley 600 linear feet of the waterway. Using a small excavator for site #2, only 2.34 cubic yards of material will be disturbed, but not removed.

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.

Site #1: At Reardan, WA, drive East 1.8 mi. Turn right onto Waukon Rd N. Take the first left turn onto Alexander Rd/Old Sunset Hwy. Go 0.3 mile down road. Project is between Alexander Rd/Old Sunset Hwy and Hwy 2. Lincoln County. Section 12, Township 25, Range 39. 47.660403/ -117.833428.

Site #2: Address is 23962 SR231, Edwall, WA. From Reardan drive west on US 2 for about 2.8 mile and take Left onto SR 231. Then drive south for about 3.3 miles and take left onto driveway (see mailbox and blue address reflector 23962). NE ¼ Section 5 T24N R39E

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

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

b. What is the steepest slope on the site (approximate percent slope)?
0-10%

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.
Soil 53 Pedigo silt loam and Mondovi 47 silt loam

d. 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.
Area of waterbody directly affected: 5,502 linear feet on site #1 and 2.34 sq. ft on site #2. Amount of material to be placed or removed from waterbody: 3,400 cy on site #1 and 0 cy on site #2.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
These waterway formations are needed to better manage moisture around the cropland. The current formations (drainage conditions) are causing erosion where constrictions occur. This project wil open the channel and result in stable channel in-slopes.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
0%

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
During dry and/or low flow conditions, an excavator will access the site from a staging area North of the waterway to revent erosion and contamination. In conjunction with the expected regeneration of reed canary grass, native grass will be planted as needed.

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.**

Emissions from the excavator.

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:**

None

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.**

North Fork of Deep Creek and an unnamed tributary to Crab Creek.

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.**

During dry and/or low flow conditions, an excavator will access the waterway from Alexander Rd/Old Sunset Highway to prevent erosion and contamination. All site work will occur in-channel (accessed from the upland crop ground) and along the adjacent streambank from upstream to downstream.

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.**

Amount of material to be removed from waterbody: 3,400 cy. Area of waterbody directly affected 5,502 linear ft on site #1 and 2.34 sq ft on site #2.

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

No water will be withdrawn or diverted out of the drainage course. These waterway projects are needed to better manage the moisture already around the cropland. The current formations (channel conditions) are causing erosion. The project will imporve channel conveyance and address erosion impacts.

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.

The storm water is actually clean overland run-off from the natural ground that is mostly impervious basalt scabland. Storm water flowing into new channel will empty into the North Fork Deep Creek channel.

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

No fill will occur in the waterbodies. The spoils will be spread along the cropland. This project will conduct minor excavation to improve the drainage and prevent erosion. All disturbed areas will be stabilized using appropriate BMPs.

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:

This project will conduct minor excavation to improve the drainage and prevent erosion. All disturbed areas will be stabilized using appropriate BMPs.

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
__X_grass
____pasture
__X_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?

Reed canary grass

c. 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:

Vegetation will remain (atop the banks and at the downstream extent of Deep Creek) to act as a sediment control BMP and a filter for agricultural nutrients and herbicides.

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

None in or around the project.

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 _____

Hawk, eagle, songbirds, deer

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

None

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

No

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

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.

Oil/gas, fuel for machinery

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.

None

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.

None

4) Describe special emergency services that might be required.

None

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

Hardhat, reflective vest, gloves

b. Noise

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

Traffic, equipment and operation

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.

Operation of machinery during daylight hours

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

None

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.

Cropland/farmland

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 proposed cleaning of the waterway will be permanent but resulting in no loss of farmland.

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:

Will not be affected.

c. Describe any structures on the site.

Site #2 has two buildings and a barn close by but none in the immediate project areas.

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

No

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

Agricultural

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

Agricultural

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

None

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

No

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

0

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

0

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

None

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

The proposed cleaning of the waterway will be permanent but resulting in no loss of farmland.

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

During dry and/or low flow conditions, an excavator will access the waterway from Alexander Rd/Old Sunset Highway to prevent erosion and contamination. All site work will occur in-channel (accessed from the upland crop ground) and along the adjacent streambank from upstream to downstream.

9. Housing [help]

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

0

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

0

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

None

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?

There are no proposed structures being built

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

None

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

None

11. Light and Glare [help]

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

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:

None

12. Recreation [help]

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

Wildlife viewing

c) 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

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. None

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

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.

Producer is given a Plan and Procedures for the Unanticipated Discovery of Cultural Resources and Human Skeletal Remains plan. The plan outlines what are cultural resources and responisibilites of the producers.

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.

Follow the Unanticipated Discovery of Cultural Resources and Human Sketelal Remains Plan.

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.

Alexander Rd/Old Sunset Hwy and Hwy 2

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?

None

e) 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).

No

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?

Less than 1 vehicular trip a day since all of the materials would be deposited on site and there is not transportation of equipment after it is on site.

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.

Agricultural equipment may use surrounding roadways but majority of work would be off of the road not affecting movement.

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.

No

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

None

16. Utilities [help]

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

None known

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.

Landowner doesn't know of any at this time but is going to call Locate for safety precautions.

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: Elsa C Bowen

Name of signee Elsa C Bowen

Position and Agency/Organization Lincoln County Conservation District

Date Submitted: 1.14.2020