



KITTTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES

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"Building Partnerships- Building Communities"

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: [\[help\]](#)

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.

APPLICATION FEES:

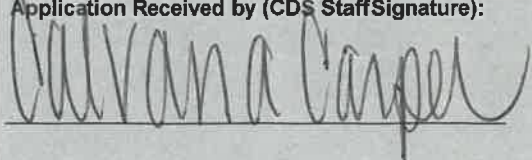
\$600.00 Kittitas County Community Development Services (KCCDS)

\$250.00 Kittitas County Department of PublicWorks *R*

\$415.00 Kittitas County PublicHealth

\$1,265.00 Total fees due for this application (One check made payable to KCCDS)

FOR STAFF USE ONLY

Application Received by (CDS Staff Signature): 	DATE: 3-4-19	RECEIPT# INVOICE 8E19. 00005	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <h2>RECEIVED</h2> <p>MAR 4 2019</p> <p>Kittitas County CDS</p> </div>
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DP/OK 3/4/19

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

1. **Name of proposed project, if applicable:** Fairview Road Culvert Replacement Project (project)

2. **Name of applicant:** Kittitas County Public Works (KCPW)

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

Mark Cook
411 North Ruby Street, Suite 1
Ellensburg, WA 98926
509-962-7523
Mark.cook@co.kittitas.wa.us



4. **Date checklist prepared:** February 26, 2018 (prepared by Jacobs Engineering Group Inc. on behalf of Kittitas County Public Works)

5. **Agency requesting checklist:** Kittitas County Public Works

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

Estimate of construction start date: July 2019 or when permits are issued
Estimate of construction finish date: Up to 20 weeks from start date

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.**

- Joint Aquatic Resources Permit Application package
- Cultural Resources Assessment for the Fairview Road Culvert Replacement Project which includes an Inadvertent Discovery Protocol for Historic/Cultural Resource Protection
- Fairview Road Culvert Replacement Aquatic Resources and Mitigation Summary
- Biological Evaluation (BE) Endangered Species Act (ESA) No Effect (NE) Letter

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.**

- Hydraulic Project Approval (HPA)
- Clean Water Act Section 401
- Clean Water Act Section 404

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.)

Kittitas County needs to improve safety by widening the roadway to standards and replacing failed, undersized culverts conveying Coleman Creek on Fairview Road near Ellensburg, Washington. This will provide an immediate habitat benefit by eliminating three crossings that are partial fish passage barriers and removing the current altered and straightened stream channel from the roadside and replacing it with a new alignment with more natural channel function and habitat.

Coleman Creek in the project area has historically been highly altered and channelized. The creek currently crosses Fairview Road three times in approximately 600 feet (Attachment A, Sheet 1). Two of the existing crossings (Culverts 1 and 3) are deficient and failing (Attachment A, Sheet 1) and require immediate repair. Though Culvert 2 is not failing or requiring immediate repair, the County is proposing a new stream channel alignment that will replace all three undersized culverts with one, new larger fish passable structure.

The project will abandon approximately 5,350 square feet [(SF), 714 linear feet (LF)] of the existing Coleman Creek channel, which primarily functions as a roadside ditch, and create approximately 19,000 SF (662 LF) of new channel which will meander along the east side of Fairview Road, greatly increasing the ecological function of this section of Coleman Creek (Attachment A, Sheets 2, 3, and 4). Coleman Creek between existing culverts 2 and 3 will be left in place, since this section provides the highest existing habitat benefit with overstory vegetation and some stream sinuosity (Attachment A, Sheets 1 and 3). A new 18-foot wide by 6.5-foot high culvert is proposed downstream (approximately 140 feet south of Culvert 3) which will convey Coleman Creek under Fairview Road and tie into the existing downstream channel (Attachment A – Sheets 2 and 5). This larger culvert will provide fish passage and eliminate maintenance requirements. The three existing culverts will be removed at which time the road will be widened to meet current safety standards. Due to the failed state of the existing culverts, extremely narrow roadway, and continued and chronic impacts from flooding, the immediate replacement of the existing culverts and wider roadway is necessary.

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

The project is located approximately 5 miles northeast of Ellensburg, Washington. The project is in Section 14 of Township 18 North, Range 19 East in Kittitas County, Washington (Attachment A, Sheet 1) where Coleman Creek crosses Fairview Road. The approximate Lat/Long for the center of the project is 47.048599°, -120.435097°.

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)?

The general topography in the project area is relatively flat (<5%).

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 project area consists of two soil series; Reeser ashy clay loam (603) and Nanum ashy loam (480). None of the soil series mapped in the project area are listed as hydric soils in the state of Washington. The Reeser series was formed in alluvium and glacial drift over a duripan with an influence of loess mixed with volcanic ash in the surface from basaltic glacial outwash or alluvium. The Nanum series was formed in alluvium with an influence of volcanic ash on the surface.

A minimal amount of soil within this parcel will be removed to create the new channel, which will be used on-site to fill the existing roadside ditch.

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

Yes. Based on the Washington Geologic Information Portal, this area has moderate to high liquefaction susceptibility.

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.

Earth disturbing work will involve approximately 43,540 square feet (.99 acre) of ground disturbance to include the widening of Fairview Road and creation of the new stream channel. Work below the ordinary high-water mark (OHWM) in Coleman Creek includes: 200 square feet (sq. ft.)/30 cubic yards (cy) of temporary fill for isolation structures; 5,350 sq. ft./220 cy of permanent fill in the existing channel and 1,100 sq. ft./20 cy of excavation at stream tie-ins. Source material will be clean borrow.

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

The potential for erosion is low. The project site is relatively flat and historically there have been low to no precipitation events during project timing. Project-specific BMPs will be implemented to avoid and prevent any construction related erosion. Large woody debris will be installed at key locations to minimize future erosion potential in Coleman Creek.

To further decrease erosion, the new stream channel and stream buffer will be planted with native vegetation (Attachment A, Sheets 7, 8, 9, and 10). Disturbed roadside, new embankment areas, and location of existing channel, that are not rock will be seeded with a native roadside and erosion control mix and stabilized with mulch cover prior to project completion (Attachment A, Sheets 7, 8, 9).

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

The project will result in approximately 3,200 square feet of new impervious surface within the project limits associated with roadway widening to safety standards. This will bring the

total impervious surface in the project limits to 10,200 square feet, All impervious surface, new and existing, will be treated to Eastern Washington standards.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:** BMPs will be designed and implemented according to the most recent version of the Ecology 'Stormwater Management Manual for Eastern Washington'. Measures will include, but are not limited to: road design, drainage structures, minimizing vegetation removal, and placing of materials to reduce exposed disturbed surfaces.

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.**

Some dust could be generated during construction. Earth moving equipment (e.g., excavators, bulldozers, backhoes, graders) and other support vehicles (pickup trucks, equipment maintenance vehicles) will emit exhaust. The completed project will not increase traffic volumes or air emissions.

- 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:**

Dust control measures during construction, such as watering of open soil areas or road surfaces, placement of clean rock on road surfaces, or other commercial dust abatement applications to road surfaces, etc., will be implemented as needed. Any water used for dust control will be from an authorized source and will infiltrate on-site prior to entering the creek. Machinery, equipment, and support vehicles used for the project will be maintained in proper working order to keep emissions within applicable air quality guidelines.

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.**

Coleman Creek, a perennial stream, runs through the project area. The project area is over 10 miles from the confluence with the Yakima River.

- 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 the construction of the new culvert and stream channel, flows from Coleman Creek will need to be diverted to isolate the work area. The Contractor will determine whether a full bypass is necessary or if Coleman Creek will remain in the existing channel with smaller diversions around each stream tie-in and the new culvert location. A full bypass

would likely consist of an agreement with Kittitas Reclamation District to divert water into the adjacent irrigation canal to the west of Fairview Road for the length of the project. An equivalent amount of water would then be pumped back into the Coleman Creek channel just downstream of the new culvert location.

If a full bypass is not implemented, small sandbags will be used to divert flows around each work area during construction of the new culvert and stream tie-ins (Attachment A, Sheets 2, 3, and 4). The Contractor will likely utilize sandbags to isolate the work area and pump flows back into the stream channel downstream. The isolation structures are yet to be determined, but may consist of sandbags, super sacks, or water bladders. For the purpose of permitting, it is assumed the isolation structures will consist of temporary fill such as sandbags or super sack(s). The maximum amount of temporary fill below the ordinary high water mark (OHWM) required for the isolation is approximately 30 cubic yards (cy). The duration of use will extend throughout the approved in-water work window (up to 16 weeks). This will maintain water quality within State standards by completing the work in isolation with no potential for sedimentation or turbidity. All pumps will be set up and operational prior to completely blocking flows, to minimize the duration of downstream dewatering.

As the isolation structure and diversions are constructed, qualified biologists will be on-site to monitor flows as they recede and to remove any fish from the dewatered area. Small pumps may be used to completely dewater holding pools, if necessary, and manage any hyporheic flows that may continually be present behind the isolation structure. This bypass will remain in place until the new stream channel and culvert are completed and Coleman Creek is flowing in the new channel. Therefore, the bypass will be removed completely in the dry. All pumps used during stream dewatering activities will be screened to Washington Department of Fish (WDFW) and Wildlife or National Marine Fisheries Service (NMFS) criteria.

When the new stream channel sections and new culvert are completed, the Contractor will be required to wash the new streambed with a low volume, high-pressure hose to work fines into the stream bed prior to the introduction of water. This will ensure flows stay on the surface and minimize sediment mobilization during rewatering. During this activity, best management practices (BMPs) will be used to ensure wash water does not mix with clean water downstream. The Contractor will likely capture all streambed wash water and pump to an upland location for infiltration. After it is ensured that flows remain on the surface and the new channel is clean, the isolation structures will be slowly removed to reconnect Coleman Creek to the new channel. This process will be done over several hours, to prevent any velocity scour, minimize downstream turbidity, and allow the dewatered channel to return to a natural flow pattern.

During stream reconnection, qualified biologists will be on-site to remove any stranded fish from the dewatered abandoned stream channel.

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.

Work below the OHWM in Coleman Creek includes: 200 square feet (sq. ft.)/30 cubic yards (cy) of temporary fill for isolation structures; 5,350 sq. ft./220 cy of permanent fill in the existing channel and 1,100 sq. ft./20 cy of excavation at stream tie-ins below OHWM in Coleman Creek. Source material will be clean borrow. The project will mitigate for impacts to

existing channel by creating a new, higher-functioning stream channel that provides over three times as much in-stream habitat (19,000 sq. ft.).

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

No. No diversions will occur outside minor dewatering so the work in Coleman Creek can occur in the dry.

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

Yes, the project occurs within the 100-year floodplain of Coleman Creek (Attachment B). The project will provide a net increase in flood storage due to the larger Coleman Creek channel.

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.

Not applicable.

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.

Impervious surfaces associated with Fairview Road are the only source of stormwater runoff in the project area. Stormwater will be treated as per the EWA stormwater manual, with no untreated runoff entering Coleman Creek. Creating a new stream channel away from the roadway and creating functioning roadside ditches will provide better treatment than existing, where Coleman Creek serves as a roadside ditch.

Runoff during construction will be managed by using approved BMPs to contain all sedimentation and prevent discharge to Coleman Creek. After construction, all disturbed areas and roadsides will be reseeded or planted with vegetation to prevent any long-term impacts.

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

No.

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

The project increases the capacity of this section of Coleman Creek by creating a larger channel and culvert opening, which will decrease flooding during high flow events.

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

BMPs will be used to prevent any discharge into Coleman Creek. Water quality will be maintained at all times within the Washington State Department of Ecology guidelines in Washington Administrative Code (WAC) 173-201A.

Groundwater encountered during construction of the new culvert will be pumped to an upland area for infiltration, with no discharge to Coleman Creek.

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?

The project will require approximately 43,540 square feet of ground disturbance, including roadside gravel and ditch areas. Most of the vegetation removed will be invasive roadside grasses. Removal of existing vegetation will be limited to the minimum needed for the project.

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:

The new stream channel will be planted with native vegetation (Attachment A, Sheets 7, 8, 9, and 10). Native willow cuttings harvested from on-site will provide the best likelihood for success in the new stream bank area, with dogwood and cottonwood also planted where suitable saturation occurs during the growing season. Woods' rose, snowberry, blue elderberry, and golden current will also be planted in drier stream bank locations. Plants will be harvested from a local source or purchased from a native plant nursery. Disturbed roadside, new embankment areas, and location of existing channel, that are not rock will be seeded with a native roadside and erosion control mix and stabilized with mulch cover prior to project completion (Attachment A, Sheets 7, 8, 9).

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

Crack willow, reed canarygrass, and thistles were documented during a site visit.

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.

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

No.

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

The project will create approximately 19,000 SF (662 LF) of new, higher-functioning stream channel and 42,450 SF of enhanced stream buffer to replace approximately 5,350 SF (714 LF) of existing stream channel and 1,500 SF of stream buffer that will be abandoned. The existing channel segments to be abandoned primarily function as channelized roadside ditches that compromise the structural integrity of Fairview Road and water quality within the creek. The new sections of channel will meander along the east side of Fairview Road and will tie into the existing bend in the creek that occurs in the project area. This will greatly increase the ecological function of this section of Coleman Creek and will eliminate three potential fish passage barriers.

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

There is a potential for species such as European starling to occur at the project 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.

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:

Not applicable.

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 environmental health hazards are anticipated to be encountered as a result of project construction. The area of the new channel construction is within existing roadway and agricultural properties. No historic structures exist on the site.

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.

Equipment staging and fueling will occur more than 50 feet from the OHWM of Coleman Creek. Any equipment operated below the Ordinary High Water Mark (OHWM) will contain vegetable oil or other biodegradable alternatives to hydraulic fluid.

4) Describe special emergency services that might be required.

It is not anticipated that special emergency services will be required.

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

This action is not anticipated to create an environmental health hazard.

b. Noise

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

None that would affect the project.

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

Noise levels will increase during construction from machinery and equipment being operated during normal work hours. Following construction, normal background noise levels typical of local traffic will occur. The project does not add any increase in capacity.

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

None proposed.

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 property is currently used for public travel and right-of-way (ROW) associated with Fairview Road. The project area occupies Fairview Road roadway, culverts, and Coleman Creek bed and streambank upstream and downstream of the three existing culverts (Attachment A, Sheet 1). A portion of the project will occur on private property that would be purchased prior to construction. This small sliver of land (approximately 34,000 square feet) is currently in agriculture and will provide the land necessary to create the proposed stream channel and enhanced stream buffer which will allow Coleman Creek to meander along the east side of Fairview Road. Adjacent properties are characterized as agricultural lands with rural residential areas 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?

Approximately 34,000 square feet of mostly unused (due to center pivot irrigation layout) farmland will need to be purchased and will be taken out of production. The county will construct an access road along the new Creek channel for this land owner to provide access to agricultural equipment without the need for a new creek crossing.

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:

Fairview Road will be closed between Brick Mill Road and Rader Road for the construction of the new culvert and stream channel and removal of existing culverts. After the new crossing and channel are completed and Coleman Creek is reconnected, the roadway will likely be opened to one-way alternating traffic for the remainder of the project. During the full road closure, traffic will be detoured around the project limits on existing county roads.

c. Describe any structures on the site.

Structures within the project area includes three culverts associated with Fairview Road and a few small irrigation diversion structures that will not be affected.

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

Yes. Three culverts will be demolished and replaced with one, larger culvert (Attachment A, Sheets 2, 3, and 4).

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

The current Kittitas County zoning classification is Agricultural (A-20).

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

The project area is designated as Agricultural (A-20) with land to the south designated as Commercial Agriculture.

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.

Yes. It is classified as a geologic hazard area with moderate to high seismic hazards, FEMA mapped floodplain and high aquifer susceptibility.

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

No one resides in the current project site and no one will reside in the completed project site.

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

None

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:

A new access off of Fairview Road access road will be constructed along the new creek channel to provide continued agricultural access.

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

The proposed project will return the road to current safety standards and eliminate two culverts that are failing and in a state of emergency repair. The County will compensate the landowner for loss of farmland in addition to the right of way purchase and construct a new access road for the land owner to avoid an impact on their agricultural operations.

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

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

None.

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

None.

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

Not applicable.

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?

None.

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?

No light or glare producing activity is proposed.

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:

Not applicable.

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.

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

Not applicable.

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. See attached Joint Aquatic Resource Permit Application (JARPA) package and cultural resources report (Attachment A)

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.

The environmental and cultural setting of the proposed project area was described to generate methods for identifying precontact and historical archaeological sites, historical resources, and the expectations regarding archaeological sensitivity, followed by a pedestrian survey and subsurface testing. (Attachment A- Cultural Resources Report)

- 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.**

An Inadvertent Discovery Plan has been developed for the project.

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.**

Access to the site is from Fairview Rd. (Attachment A, Sheet 1)

- 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. The nearest public transit stop is over 6 miles away in Ellensburg, WA.

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

No parking spaces will be created or eliminated by the project.

- 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. Fairview road in the project area will be reconstructed and widened to meet current safety standards, paved, striped and signage placed. (Attachment A, Sheet 2, 3, and 4)

- 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 increase or decrease in vehicle trips per day would be generated by the completed project.

- 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.**

Yes, during construction only. Agricultural products will need to be moved along a detour route during times of full road closure, adding approximately 1.6 miles to travel distance along Fairview Road.

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

Local roads are available as detour routes. This detour route will potentially occur along Brick Mill Road to Schnebly Rd to Radar Road, adding 1.6 miles to any commute along this section of Fairview Road.

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.**

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 _____

c. **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.**

No additional utilities are proposed for this project. The project will require temporary relocation of power and telephone. Coordination is occurring with utility companies.

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 Mark Cook

Position and Agency/Organization Public Works Director, Kittitas County

Date Submitted: 03-04-19

Attachments:

- Attachment A - JARPA Package (Cultural Resources Assessment, Site Plans)
- Attachment B - Vicinity Map with Floodplain