



KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES

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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 nonprojects) 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 Public Works**

\$430.00 Kittitas County Public Health

\$1,280.00 Total fees due for this application (One check made payable to KCCDS)

FOR STAFF USE ONLY		
Application Received by (CDS Staff Signature):	DATE:	RECEIPT #:
	9/12/19	1013
RECEIVED		
SEP 12 2019		
DATE STAMP IN BOX		

Kittitas Co. CDS

A. Background

1. Name of proposed project, if applicable:

Thayer Property Development for Construction of Single-Family Residence (Kittitas County Parcel No. 951877, 14.9 acres). Proposed parcel access (via long-term existing easement) and residence construction are shown on 8 drawings included with this checklist.

2. Name of applicant:

Ray & Sharon Thayer

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

Ray Thayer, 509-899-3496 Sharon Thayer, 509-899-3497
P.O. Box 991, Ellensburg, WA 98926-1925

4. Date checklist prepared:

September 5, 2019

5. Agency requesting checklist:

Kittitas County Community Development Services

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

Improve parcel access as soon as permit(s) approved, build single-family residence spring 2020.

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

Fence construction for several horses on some portion of 14.9-acre parcel. Irrigated landscape areas around house less than 1/2-acre of area.

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

Owner's Agent (Paul Tappel, PE) has estimated the 100-year flood for Manastash Creek to be 2,800 cfs, per USGS Scientific Investigations Report 2016-5118 (Mastin, 2017). This flood flow estimate has been routed thru the project site (per Manning's equation),

and is drawn on the overall site plan (Drawing 2). All proposed structures (house, bridge, etc.) would be above the 100-year flood; a 400'-length of new crushed rock surfacing to be placed over the existing access road would be submerged by shallow water during a 100-year flood (Drawing 2).

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No.

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

- Shoreline Variance Application for improvements to existing parcel access road and bridge, which are within 115' of Ordinary High Water (OHW) Manastash Creek.
- Shoreline Exemption Application for proposed single-family residence (and associated elements such as drainfield) which will be within 200' of OHW.
- Building Permits for bridge and house.
- On-Site Sewage Treatment Permit OS-19-00038 already approved.

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.)

All proposed development work, residential use of the parcel, etc. are fully described in answers to other checklist questions.

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.

Kittitas County Parcel No. 951877 (14.9 acres) in SE¼ Section 5, T17N, R18E. Access through adjacent private parcel in long-term easement from Barnes Road, see Drawings 1 and 2.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

Gently rolling terrain with shallow V-shaped creek alignment (Manastash Creek) along north property line (see Drawing 2). Some reaches of the creek have relatively steep banks that have been armored with rock and/or broken concrete in prior decades. The project location is surrounded by agricultural lands and/or rural residential properties.

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

The steepest slopes on the site are Manastash Creek banks which are sometimes 50% to 100% slopes over short distances. Some of these banks have been armored with rock or other erosion resistant materials in prior decades.

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.

Soils are a sandy loam, with small amounts of gravel.

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

The only on-site soils showing evidence of erosion are small areas of bank adjacent to Manastash Creek, where natural fluvial processes continue to change channel morphology and meanders. These minor channel changes from natural processes have no potential to affect any proposed development.

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.

Access road construction (24,000 ft²) will require minor soil grading, then overlay (fill) with about 600 tons crushed rock surfacing. 1,200'-length of this road will be within the existing easement thru an adjacent private parcel, whereas a 300'-length will be new driveway construction over existing soils (Drawings 1 and 2).

Area for excavation and fill for house construction will be about 5,000 ft², and drainfield construction will affect 2,000 ft² area. Excavation and fill of native soils within these small land areas will be balanced in-place.

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

No.

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

Impervious surfaces will include the proposed house, proposed bridge deck, possibly a small concrete pad near the garage, and possibly some small concrete walkways near the house. These impervious areas will cover less than 0.1% of the 14.9-acre parcel.

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

None.

2. Air

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.

Heavy equipment and trucks will emit diesel exhaust during construction. After development for the single-family home is completed, long-term emissions would include gasoline and diesel exhaust from vehicles accessing the property, and exhaust from yard maintenance equipment (lawn mower, chainsaw, snow blower, etc.).

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

a. Surface Water:

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.

Manastash Creek, tributary to Yakima River, flows along the north side of Thayer's parcel (Drawings 1 and 2); Manastash Creek is a medium-sized perennial stream. The West Side Canal (irrigation canal) is along the east side of Thayer's parcel.

- 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.

Almost all proposed development will be within 200' of Ordinary High Water Manastash Creek, see drawings.

- 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.

A 400'-length of the existing parcel access road, within a long-term easement over an adjacent private parcel, is within the 100-year floodplain estimated with conventional hydrologic and hydraulic design methods (Drawing 2). This short road length would be submerged up to 3'-deep during the estimated 100-year flood. Parcel access during any flooding would still be possible for any 4x4 vehicle traversing along the existing irrigation channel to the short levee along West Side Canal (see Drawing 2).

- 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:

- 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.

Groundwater for domestic use and small-scale irrigation around the house (landscaped areas) will be pumped from an existing on-site well, shown on Drawing 2.

- 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.

Effluent from domestic sewage will be discharged into the ground via conventional gravity-fed drainfield for a 2-bedroom house. Drainfield area will be about 2,000 ft². The owners intend to keep a few horses on the subject parcel, within a fenced area separate from Manastash Creek.

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 only stormwater runoff will be from the residence roof, and a small concrete (or asphalt) pavement near the house (if pavement is constructed). Runoff will be to adjacent permeable soils, with infiltration of all runoff expected to occur within 10' of discharge locations. Runoff would be very small point discharges from roof downspouts, and sheet flow off small pavement area(s) if constructed.

- 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.

No.

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

None.

4. Plants

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?

Wheat and native grasses will be stripped from road, house, and drainfield locations to be disposed on-site. No existing shrubs or trees (i.e. riparian plants) will be disturbed by project construction.

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

Manastash Creek includes chinook salmon and steelhead, which are listed as threatened or endangered.

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

Native plants along Manastash Creek will remain as-is. Landscaping around the house will include a mix of native and nursery plants.

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

Unknown.

5. Animals

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.

Any and all birds, mammals, insects, reptiles, amphibians, fish, crustaceans, and/or other native or introduced animals (e.g. house sparrow, ring-necked pheasant) living near Ellensburg could visit the 14.9-acre parcel time-to-time.

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

Chinook salmon and steelhead.

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

Migratory birds such as violet-green swallow and Canada goose may fly over the project site. Migratory salmonids live in Manastash Creek. Butterflies and other insects are expected to migrate over the property.

- 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.

House sparrow, ring-necked pheasant (?).

6. Energy and Natural Resources

- 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.

Electric energy will be supplied to the house via buried conductors; electric energy consumption will be typical for a single-family residence. A wood-burning stove may be installed for supplemental winter heating.

- 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:

The house is designed with conventional energy conservation measures, such as wall, ceiling, and floor insulation, double-glazed windows, etc.

7. Environmental Health

- 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.

None.

- 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.

Every single-family residence contains a very small amount of hazardous chemicals and toxic substances, such as lye, gasoline (e.g., for lawn mower), bleach, paint thinner, paint, and other substances. Containers of these types of materials will be present in the garage or kitchen of the house.

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

Ambulance and fire trucks. The parcel access route is designed to meet the county's Emergency Vehicle Access (EVA) requirements.

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

None.

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)? Indicate what hours noise would come from the site.

Noise typically associated with a single-family residence and associated yard maintenance would be generated time-to-time.

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

None.

8. Land and Shoreline Use

- 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.

Current use of parcel is agricultural (wheat or hay field). Nearby land parcels are used for agricultural purposes, and/or rural residential mixed with farming. A small fraction of the Thayer parcel will be converted to residential use (less than 1-acre). About 2 acres of the parcel along Manastash Creek cannot be farmed or developed. The remaining 12 acres (+/-) of this parcel will remain in agricultural production and/or other farm uses (e.g. horse pasture).

- 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?

About 1 acre of the existing 14.9 acres will be converted from farmland to residence and landscaped yard.

- 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.

West Side Canal along east edge of property. A well for domestic use has been installed, and there is an existing power pole on the parcel (see Drawing 2).

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

An existing wood bridge (obsolete due to age) over the canal will be replaced.

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

Agriculture 20 (A-20).

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

Rural Working. All surrounding private properties are used for a mix of agricultural and/or residential purposes, per allowances in county code.

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

Rural Conservancy Shoreline. Manastash Creek Riparian Area.

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

Yes. Critical area designation for Manastash Creek. Floodplain area (100-year flood) quantitatively estimated is shown on Drawing 2, which is considered a better representation of the 100-year floodplain than generic polygons available for Kittitas County concept planning.

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

Two residents.

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

Zero.

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 project is considered compatible with existing and projected land uses. Final development would be very similar to all surrounding private parcels, with a mix of agricultural and rural residential use.

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

Approximately 12 acres of the 14.9-acre parcel will remain in agricultural use; about 2 acres will remain as floodplain, riparian, and aquatic environment (along Manastash Creek).

9. Housing

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

One 2-bedroom middle-class single-family residence would be constructed (see drawings).

- 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.

10. Aesthetics

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

The peak of roof for proposed residence will be about 22' above ground level (see house elevation views in drawings). House sheathing will be lapped siding or vertically grooved plywood materials (not yet determined).

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

None.

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

None.

11. Light and Glare

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

The residence will have a few exterior lights, for example at the front porch and illuminating the driveway near garage door. Residential lighting similar to any house will mainly occur during night-time.

- 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

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

Everyone who lives nearby enjoys Manastash Creek, with informal recreational opportunities including walking along the stream, watching birds and other wildlife, and listening to the water and wind.

- 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.

13. Historic and cultural preservation

- 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.

Although there are no visible landmarks or features, an adjacent neighbor (Linda Loane) reports that a Catholic Mission (Immaculate Conception Mission for Indians) was established somewhere near the project site in 1848. This Indian Mission has been confirmed by consultation with Patrick McCutcheon, EWU Professor of Anthropology and Museum Studies. There are two informal "X" labels on a map which list "Indian Mission" for a Year 2004 Cultural Resource Study completed for some BPA infrastructure work. Location of the Catholic Mission remains unknown, with the informal "X" labels on map varying from SE $\frac{1}{4}$ of SE $\frac{1}{4}$ Section 5 (near or on Thayer parcel) to SW $\frac{1}{4}$ of SW $\frac{1}{4}$ Section 4 (about $\frac{1}{4}$ -mile away). The Mission was reportedly destroyed by Oregon Volunteers during the Indian Wars of 1855 (i.e. burned to the ground and abandoned).

- 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.

Patrick McCutcheon and other EWU Anthropology staff walked the entire site for proposed development in summer 2019, but no artifacts or items of archeological, historical, etc. interests were seen. All areas proposed for development have been used for agriculture (e.g. plowed, graded) since the late 1800's, and the lack of surface artifacts was expected.

- 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.

Re-surfacing the existing access road will be done after scraping weeds and grass from the top few inches of shoulder areas, and this work will not include any other excavation. Access bridge construction will require small excavations along the existing West Side Canal, and these small soil volumes have been previously disturbed for irrigation canal construction.

The proposed new driveway (300'-long) from canal bridge to residence will be constructed with shallow grading of existing soils (which have been plowed deeper for decades), then

surfacing with crushed rock for a durable driving surface. Patrick McCutcheon has confirmed this "burial in place" method (vs. cut-and-fill road construction) would adequately protect any cultural or historical resources that the driveway may traverse across.

Excavations for the proposed residence, septic tank, effluent line, drainfield, and buried utilities (to the residence) will be about 3'-deep. Although considered unlikely these excavations will coincide with remains of the Indian Mission, the Thayers will retain CWU Anthropology staff on-site for professional and experienced observation. If anything of possible archeological interest is observed, the artifacts would be classified as "Inadvertent Discovery" or other unintentional disturbance by EWU staff and treated with according respect. EWU staff have excellent rapport with Yakama Nation archeological and anthropological peers; Yakama Nation would be the first contact if anything of interest was discovered.

14. Transportation

- 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.

Barnes Road (Kittitas County Road) connects to an existing ¼-mile easement road for the only parcel access (Drawing 1). Thayer has evaluated the possibility of alternate access easements between Manastash Creek and an existing concrete irrigation channel (see Drawing 2), to possibly re-locate parcel access further from Manastash Creek. Drawings for re-location of the access road (two possible road alignments) were rejected by the private owner of this adjacent parcel; he has other intended uses for this small land area.

The existing easement, access road, and bridge location are considered the only viable access route to the Thayer parcel, which is otherwise isolated from the county road system.

- 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?

A parking and turnaround area proposed near the garage could accommodate 8 to 10 vehicles; these would be additional parking spaces. The project would not eliminate any parking spaces.

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). _____

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?

Vehicle trips will be approximately the same as commonly experienced for any house with two residents.

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

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.

Yes. There would be one more house in Kittitas County if the project is approved. All houses require some public services at some point(s) in their life-time.

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

None.

16. Utilities

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

There are no services currently available at the site, although the water well has been installed. On-site treatment of wastewater (septic tank & drainfield) has been approved by Kittitas County. Electrical power and telecommunications services for the residence will be installed in buried conduits, from existing service locations (Barnes Road or Hanson Road).

- 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.

Water service will be provided by the on-site well (Drawing 2). Wastewater treatment will be an on-site septic tank and drainfield (Drawing 2). Electrical power will be supplied by Puget Sound Energy. Telephone and internet service (and possibly TV) will be provided by extension of local service by Consolidated Communications.

C. Signature

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: Paul Tappel
Name of signee Paul Tappel
Position and Agency/Organization Owner's Agent
Date Submitted: 9/11/2019