

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:

Paxton Transmission Main Replacement & Booster Pump Station Project

2. Name of applicant:

Michael Kardas, P.E., City of Kelso

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

Address: 203 S. Pacific Avenue, Kelso, WA 98626

Phone Number: 360-423-6590

4. Date checklist prepared:

11-5-2021

5. Agency requesting checklist:

City of Kelso

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

Paxton Road Waterline Replacement & Booster Pump Station Project, February 2022 (Bid/Ad) to December 2022 (Construction complete).

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.

No.

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

Washington State Department of Health approval for the Project Report associated with the Booster Pump Station. The Booster Pump Station schedule of work does not trigger necessity of a SEPA checklist as there is no excavation work required and the associated service main is 4-inch diameter which is exempt.

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.)

The Paxton Transmission Main Replacement & Booster Pump Station Project replaces existing 16-inch asbestos cement (AC) water transmission main along S. Kelso Drive to the Paxton Reservoir located adjacent to Paxton Road, Kelso, WA 98626 on Cowlitz County Parcels: 24316/24317.

The existing AC water transmission main will be replaced with 16-inch ductile iron (DI) water transmission main from Paxton Road, through a newly obtained City of Kelso easement, to a connection point located adjacent to S. Kelso Drive, as shown on the attached planset.

Additionally, a small, packaged booster pump station with a pre-fabricated enclosure will be set on an existing concrete pad, located at the Paxton Reservoir site and connected to new 4-inch DI water main for domestic service pressure upgrades to 15 homes within the Paxton Road neighborhood.

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 16-inch ductile iron water transmission main will be constructed from the Paxton Reservoir site (Cowlitz County Parcel No.'s 24316/24317), south along Paxton Road, turning east through a newly obtained City of Kelso, permanent utility easement, intersecting with S. Kelso Dr., turning north on S. Kelso Dr., and connecting to an existing valve cluster adjacent to S. Kelso Dr., prior to the intersection of S. Kelso Dr. and Carroll Road.

The entire project is within City of Kelso property, easement, and/or right-of-way.

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

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

a. General description of the site:

The 16-inch water transmission main will be installed on City of Kelso property, easement, and/or right-of-way. The alignment of the water transmission main varies in topography from generally flat at the existing reservoir, to steep through the City of Kelso permanent utility easement and final tie-in location,, and flat to mildly sloped along Paxton Road and S. Kelso Dr. The majority of proposed improvements will be located in existing City of Kelso roadways.

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

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

Approximately 45%

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.

Kalama gravelly loam, Caples silty clay loam, and Kelso silt loam.

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

Per the Resource Map from the Washington State Department of Natural Resources (DNR), there are no landslide hazards or unstable slopes near the proposed project sites.

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.

Installation of the proposed 16-inch DI water transmission main will require excavation of approximately 1,500 CY of earth to be wastehauled off-site and replaced with Crushed Surfacing Top Course per City of Kelso standard details. Import Crushed Surfacing Top Course shall meet the requirements of the current edition of the WSDOT Std. Specifications and will come from a local source.

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

Temporary Erosion and Sediment Control BMPS will be installed and maintained throughout construction.

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

Approximately 0.26 acres of existing impervious surfaces will be cut, removed, waste-hauled, and restored to install the 16-inch water transmission main within existing roadways. There will be no increase in impervious surface areas as a result of the construction of this project.

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

Temporary Erosion and Sediment Control BMPS will be installed during construction to reduce and control potential erosion due to construction activities.

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.

There will be dust generated during construction that will be mitigated through the efforts of the civil contractor. Once the project is complete and restoration is completed there will be minimal dust generated. The only emissions produced are likely to be a result of construction equipment associated with the construction of the project.

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

Dust may be generated during construction that will be mitigated through the efforts of the contractor. The only emissions produced are likely to be a result of construction equipment associated with the construction of the project.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Watering of the construction site/access to mitigate dust generation.

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.

No.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No.

- 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, no fill or dredge material will be placed in surface water or wetlands.

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

No.

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

No, according to the FEMA Flood Map Service Center.

- 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.

No waste material will be discharged as a part of these projects.

c. Water runoff (including stormwater):

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

Stormwater Runoff will be generated from the impervious surface restoration. Existing stormwater facilities will convey runoff as currently exists prior to and after construction of the project.

- 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.

Existing drainage patterns will be fully maintained.

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

Erosion Control BMPs will be installed prior to construction of the project to protect and maintain existing drainage patterns. Restoration of paved areas will not change existing drainage patterns.

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?

Trenched areas for installation of the water transmission main, outside of paved roadways will be cleared and grubbed. This includes removal of organics and topsoil at ground surface. Trees and shrubs will be cleared as necessary to construct the proposed improvements.

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

None known.

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

Areas to be cleared and grubbed will be restored in kind with topsoil and hydroseed.

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

None known.

5. **Animals** [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

The site is previously developed/cleared, it is anticipated that wildlife may be encountered during construction due to the surrounding rural area and site location..

Examples include:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

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

None known.

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

Cowlitz County is part of the Pacific Flyway route.

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

No proposed measures.

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

None known.

6. Energy and Natural Resources [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The Booster Pump Station schedule of work will require connection to existing 240V/1-phase electricity available at the existing Booster Pump Station concrete pad..

- 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:

No conservation features or proposed energy reduction measures are included for this project.

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 health hazards are identified aside from typical construction hazards. Contractor will perform daily construction safety meetings prior to beginning work.

- 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.

No toxic or hazardous chemicals will be stored, used or produced during the project's development or construction.

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

None.

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

Not applicable.

b. Noise

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

Existing traffic will be present along the roadways during construction but the noise generated will not effect 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.

Short-term noise associated with the project would include construction noise. This noise would be limited to day time/working hours. Long-term noise will not be generated as part of the project.

- 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.

The proposed water transmission main will be constructed through City owned roadways, easement, and the Paxton Reservoir site. Current land use will remain the same.

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

No.

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

No.

c. Describe any structures on the site.

The existing Paxton Reservoir is located within the proposed project limits and a residential house on the property where the new utility easement is located.

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

No structures are planned to be demolished.

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

Per the City of Kelso Zoning map, the entirety of the project is within Residential – Single Family zoning.

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

Not applicable.

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

Not applicable.

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

Per the Cowlitz County EPIC GIS mapping, a portion of the proposed water transmission main will be constructed through:

- *Steep Slopes*

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

The construction of the proposed water transmission main is within City owned roadways, easement, and/or property. The Paxton Reservoir site is visited routinely for maintenance and observation by the City's operations and maintenance crews.

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:

Construction of the proposed water transmission main will not impact existing and projected land use and plans.

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

Not applicable.

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

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

Not applicable.

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

Not applicable.

- 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?

The Booster Pump Station enclosure is approximately 7'-0" tall.

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

None.

- b. 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?

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?

None.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
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.
None known.

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.
Not applicable.

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.
Not applicable

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.
The proposed water transmission main will be constructed within S. Kelso Dr. and Paxton Road.

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?
None other than public school buses.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
None.

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 new improvements will be made to existing roads, streets, pedestrian bicycle or state transportation facilities. Cut and removed asphalt will be replaced in kind.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
No.
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?
No additional vehicular trips per day will be generated by the construction of this 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.
No.
- h. Proposed measures to reduce or control transportation impacts, if any:
Not applicable.

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.
Not applicable.
- 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 _____
- 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.

The project consists of construction of a new, 16-inch DI water transmission main and Booster Pump Station owned by the City of Kelso. The on-site electricity which will power the Booster Pump Station will be provided through the Cowlitz County PUD.

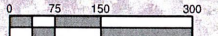
C. Signature [\[HELP\]](#)

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 Ryan J. Walters, P.E.



Scale (in Feet)



DRAWING: D:\GIBBS & OLSON\T DRIVE\PROJECTS\0427 KELSON\059 PAXTON RD WATERLINE REPLACEMENT\FIGURES & EXHIBITS\BASEMENT OPTIONS.DWG. LAYOUT TAB. MONITY MAP. PLOT DATE: 1/28/2022 2:40:33 PM. DRAWING SAVE DATE: 1/28/2022 2:37:55 PM. PLOTTED BY: ROGERS
PLOT DEVICE: GIBBS & OLSON - DWG TO PDF.PC3. PLOT STYLE TABLE: GIBBS-OLSON.STANDARD MONOCHROME.CTB. PAPER SIZE: GIBBS & OLSON - FIGURE A SIZE (PORTRAIT - 8.50 X 11.00 INCHES)



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City of Kelso
Paxton Rd Waterline Replacement
Vicinity Map