

# SEPA<sup>1</sup> Environmental Checklist

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## 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.

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<sup>1</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance>

## A. Background

[Find help answering background questions<sup>2</sup>](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background)

**1. Name of proposed project, if applicable:**

Highland Feeder Bypass Project

**2. Name of applicant:**

Kennewick Irrigation District

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

Daniel Tissell, PE

Engineering Manager

2015 S Ely St, Kennewick WA 99337

509-586-6012 ext. 116

**4. Date checklist prepared:**

September 22, 2025

**5. Agency requesting checklist:**

Kennewick Irrigation District

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

This project is planned to occur in concurrency with development activities adjacent to the existing Highland Feeder Canal and is planned to have two phases. Phase 1 construction is anticipated to begin in Fall of 2025 and is expected to take several years. Phase 2 start date is TBD.

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

Yes. Remaining portions of the Highland Feeder Canal are planned to be bypassed in the future.

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

An Archeological Survey Report was completed for the Kennewick Irrigation District Title Transfer Project. The report found no cultural resources within the KID Main Canal Division IV Canal Right of Way or the Highland Feeder Canal Right of Way.

**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.**

Yes. The Irving Street Siphon Improvement Project (TD 2024-01) is planned to be constructed in concurrence with Phase 1 of the Highland Feeder Bypass Project.

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<sup>2</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background>

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

A SEPA checklist and determination will be required prior to construction start.

Any easement agreement(s) needed outside of the canal right of ways will be obtained prior to construction.

**11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)**

This project will bypass a portion of the Highland Feeder Canal in concurrence with development and is planned to have two phases. Phase 1 will include raising, widening and lining a portion of the Division IV canal, decommissioning a portion of the Highland Feeder Canal, and installation of pipeline(s) larger than 12 inches in diameter to supply the existing 1.8 Rehab pump station and to supply the remaining portion of the Highland Feeder Canal not bypassed from this project. Phase 2 will widen and line the remaining portion of the Division IV canal up to the Irving Street crossing (Appendix A). Phases 1 and 2 will also install new concrete turnouts.

**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 Sections 7,8 and 9 of Township 8, Range 29 as well as Section 12 of Township 8, Range 28 in Kennewick, WA. It is on Division IV of the KID Main Canal and Highland Feeder Canal, with pipelines going through a common area of the Pinewood Condominium development (Appendix A).

## **B.Environmental Elements**

### **1. Earth**

[Find help answering earth questions<sup>3</sup>](https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth)

**a. General description of the site:**

The Highland Feeder Canal and Division IV Canal are within urban residential areas as well as undeveloped areas, with the surrounding topography ranging from gentle slopes to steep slopes.

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

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<sup>3</sup> <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth>

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

Approximately 100%.

**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.**

General soil types are Warden Silt Loam and Very Fine Sandy Loam, Scootney Silt Loam, Shano Silt Loam, Hezel Loamy Fine Sand and Esquatzel Silt Loam and Fine Sandy Loam per the USDA Natural Resources Conservation Service Web Soil Survey. (Appendix B).

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

None are known.

**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.**

The purpose of the project is to widen and reshape the Division IV canal to facilitate installation of HDPE lining to facilitate the bypassing of a portion of the Highland Feeder Canal. Construction activities will increase the height of portions of the Division IV canal as well as reshape it and establish an uphill canal road.

Preliminary designs of the project have the grading area encompassing approximately 35 acres. Earthwork quantities are expected to be approximately 160,000 – 170,000 cubic yards, with an excess CUT volume expected to be more than 100,000 cubic yards. This excess material will be exported off-site.

Approximately 1,800 cubic yards of gravel are projected to be imported for canal maintenance road(s).

**f. Could erosion occur because of clearing, construction, or use? If so, generally describe.**

Yes. Rill erosion could occur on bare dirt surfaces from a precipitation event during construction. Wind erosion could also occur during construction.

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

No impervious surfaces will be constructed after project completion beyond the HDPE canal lining and concrete canal structures. The HDPE canal lining will cover approximately 35% of the project area.

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

Appropriate best management practices will be employed to reduce erosion at the project site as needed.

## 2. Air

[Find help answering air questions](#)<sup>4</sup>

- 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.**

Fugitive dust could occur because of the grading activities of this project. Diesel emissions will occur during the construction activities of the project.

- 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:**

Appropriate dust control measures consistent with the Benton County Clean Air Agency requirements will be followed to reduce and control emissions.

## 3. Water

[Find help answering water questions](#)<sup>5</sup>

- a. **Surface:**

[Find help answering surface water questions](#)<sup>6</sup>

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 surface bodies of water are in the immediate vicinity of the project except for the KID Division IV main canal, Highland Feeder Canal and the man-made Pinewood Condominium development irrigation pond. The KID canal system eventually drains into the Columbia 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.**

No.

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<sup>4</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air>

<sup>5</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water>

<sup>6</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water>

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 a general description, purpose, and approximate quantities if known.

No.

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

No.

6. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

**b. Ground:**

[Find help answering ground water questions](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater)<sup>7</sup>

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 a 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 (domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None.

**c. Water Runoff (including stormwater):**

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

Any potential runoff (including stormwater) uphill of the Division IV canal will be collected and disposed of in a constructed roadside swale. Water will be impounded within the canal road swale until it reaches a designed elevation to overflow into the canal. Water below this elevation will be impounded until it infiltrates into the ground. Stormwater that enters the canal during the irrigation season will mix with

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<sup>7</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater>

the irrigation water in the canal and be consumed by irrigation customers. During the part of the year outside of the irrigation season, the canal will be dry, and the stormwater will remain in the canal until it evaporates. Installation of HDPE canal liner will prevent seepage.

Drainage uphill of the Highland Feeder canal, and runoff on the downhill side of both the Division IV canal and Highland Feeder canal will follow existing drainage patterns.

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

Minor waste materials could possibly enter ground water as it infiltrates into the subsurface. Waste materials entering the canal will be collected at the end of the canal lining project, preventing entrance to surface waters.

**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:**

Best management practices will be used to reduce sedimentation and waste spills into the canal during project construction. Runoff, including from stormwater, will be accepted into the canal.

## 4. Plants

[Find help answering plants questions](#)

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

- ☒ deciduous tree: alder, maple, aspen, other: poplar
- ☒ 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?**

Sagebrush will be removed, as well as cheatgrass, other grasses and herbaceous weeds within grading extents. There are several existing trees near the head end of the Division IV main canal and the Highland Feeder Canal. These trees are planned to be removed.

Pine trees within the Pinewood Condominium common area that will interfere with the bypass pipelines are planned to be removed. Replacement trees are to be replanted outside of the bypass pipeline(s) easement.

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

None are known.

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

Upon completion of grading or pipeline installation, disturbed areas are to be hydroseeded.

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

None are known.

## 5. Animals

[Find help answering animal questions<sup>8</sup>](#)

**a. List any birds and other animals that 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: Townsend's ground squirrel
- Fish: bass, salmon, trout, herring, shellfish, other:

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

No threatened or endangered species are known to be on or near the site, but ferruginous hawks and Townsend's ground squirrels could find suitable habitat in open spaces near the project location.

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

The site is located within the greater Pacific Flyway, a major west coast bird migration route.

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

None.

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<sup>8</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals>

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

None are known.

## 6. Energy and natural resources

[Find help answering energy and natural resource questions](#)<sup>9</sup>

- 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 site does not require energy.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

None.

## 7. Environmental health

[Health Find help with answering environmental health questions](#)<sup>10</sup>

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe.

None are known.

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

None are 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 are 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.

None will be stored, used or produced.

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<sup>9</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou>

<sup>10</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health>

**4. Describe special emergency services that might be required.**

None.

**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)?**

Traffic noise occurs at levels consistent with suburban residential developments.

**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)?**

During project construction, noise generated will be related to construction activities such as heavy machinery noises. Such noise would occur during workday hours, from approximately 7AM – 5PM. Post construction, there would be no additional noise other than what is currently occurring.

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

Work will occur during normal working hours weekdays and occasional Saturdays, eliminating noise at night that may disturb area residents.

## **8. Land and shoreline use**

[Find help answering land and shoreline use questions](#)<sup>11</sup>

**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 current use of the site(s) are canals and canal maintenance roads. The proposed bypass pipelines will be installed within an easement through a common area of the Pinewood condominium development.

Adjacent properties consist of developed and undeveloped areas. This project will not affect current land uses on nearby or adjacent properties.

**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 because 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. Nearby properties previously used for agricultural purposes have been left fallow or have been developed into residential subdivisions.

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<sup>11</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use>

- 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.**

There are existing concrete turnouts, flow measurement structures, access bridge crossings and the concrete headworks of the Division IV main canal and Highland Feeder canal. Much of this section of the Division IV canal is lined with concrete.

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

Yes. Existing flow measurement structures, concrete turnouts and bridge crossings. Portions of the concrete liner of the Division IV canal will also be removed.

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

The KID canals are not zoned by the City of Kennewick. Adjacent property zoning includes RS, RL, and MULTI.

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

The surrounding adjacent properties are designated as Low Density Residential (LDR) on the City of Kennewick Comprehensive Plan.

- 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.**

Yes. Portions of the project extents are within Geologically Hazardous Areas classified by Benon County for Combined Erosion Hazard and Steep Slope 15%. (Appendix C)

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

None.

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

None.

- 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.**

None.

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

None.

## 9. Housing

[Find help answering housing questions](#)<sup>12</sup>

- 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:**  
None.

## 10. Aesthetics

[Find help answering aesthetics questions](#)<sup>13</sup>

- a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**  
Proposed structures will be limited to within the canal prism. Relative to the new canal road, structures will be at the same elevation, or approximately 1-3 feet higher depending on the structure type.
- 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

[Find help answering light and glare questions](#)<sup>14</sup>

- a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**  
Some light may be produced by lighting provided if work at dawn/dusk is required to complete the project. Some glare from windows/mirrors on the equipment may be present during the daytime hours. Some glare at turnouts on the Division IV canal that have Rubicon gate solar panels may be present during the daylight hours.
- b. **Could light or glare from the finished project be a safety hazard or interfere with views?**

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<sup>12</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing>

<sup>13</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics>

<sup>14</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare>

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

[Find help answering recreation questions](#)

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

Some unauthorized recreational use of the existing canal road occurs at the site. This mostly consists of walkers, horseback riders and all-terrain vehicles.

- 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

[Find help answering historic and cultural preservation questions](#)<sup>15</sup>

- 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.**

The Kennewick Irrigation District Main Canal and Highland Feeder Canal have been determined eligible for listing.

- 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 are 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.**

The Department of Archaeology and Historic Preservation Searchable Database.

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<sup>15</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p>

- 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 Protocol will be implemented. Work will stop in the location where evidence is uncovered, and the proper authorities will be notified.

## 14. Transportation

[Find help with answering transportation questions](#)<sup>16</sup>

- 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 Division IV Canal can be accessed from Bob Olson Parkway and from S. Irving St. The Highland Feeder Canal can be accessed from Bob Olson Parkway, S. Montana St, Lois Lane, S. Taft St and S. Columbia Center Blvd.

- 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?**

The site is not served by public transit. The nearest transit stop is approximately 1,800 feet away.

- c. **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).**

None.

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

No.

- e. **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?**

None.

- f. **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.

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

None.

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<sup>16</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation>

## 15. Public services

[Find help answering public service questions](#)<sup>17</sup>

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

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

None.

## 16. Utilities

[Find help answering utilities questions](#)<sup>18</sup>

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

N/A.

- 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.

None.

## C. Signature

[Find help about who should sign](#)<sup>19</sup>

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.

X   
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Type name of signee: Daniel Tissell, P.E.

Position and agency/organization: Engineering Manager, Kennewick Irrigation District

Date submitted: 9/22/2025

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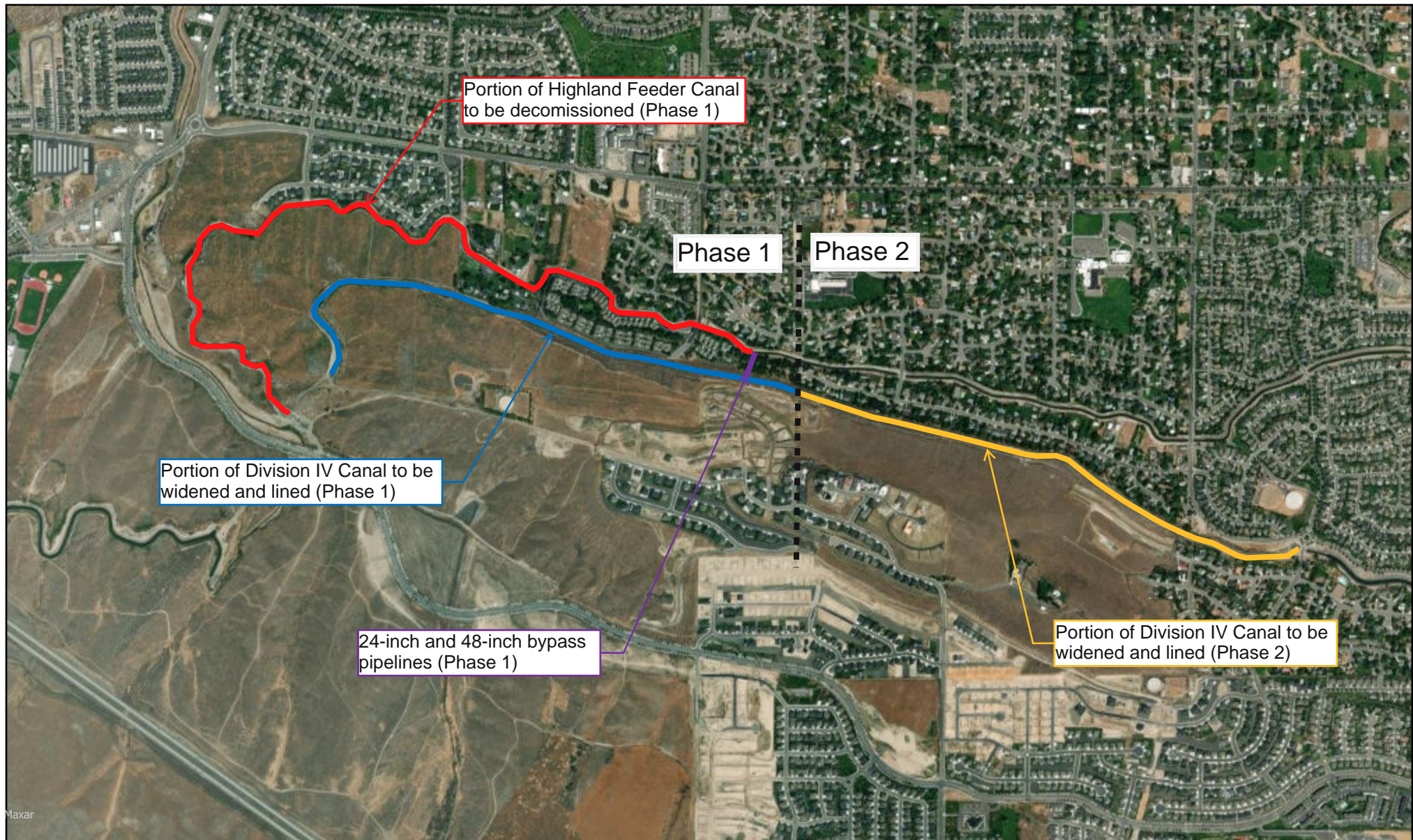
<sup>17</sup> <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services>

<sup>18</sup> <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities>

<sup>19</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature>

# APPENDIX A

# ARCGIS WEB MAP



Kennewick Irrigation District does not warrant, guarantee, or accept any liability for accuracy, precision, or completeness of any information shown hereon or for any inferences made there from. Any use made of this information is solely at the risk of the user and is prepared for presentation purposes only.




# **APPENDIX B**

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84



## MAP LEGEND

### Area of Interest (AOI)









 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons





 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Lines

 A  
 A/D  
 B  
 B/D  
 C  
 C/D  
 D  
 Not rated or not available

#### Soil Rating Points






 A  
 A/D  
 B  
 B/D

 C  
 C/D  
 D  
 Not rated or not available


### Water Features

 Streams and Canals

### Transportation

 Rails  
 Interstate Highways  
 US Routes  
 Major Roads  
 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Benton County Area, Washington

Survey Area Data: Version 20, Aug 27, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 26, 2022—Jun 27, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Hydrologic Soil Group

| Map unit symbol                    | Map unit name  | Rating | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------|--------------|----------------|
| EsA                                | Esquatzel fine sandy loam, 0 to 2 percent slopes             | B      | 1.4          | 0.5%           |
| EuB                                | Esquatzel silt loam, 2 to 5 percent slopes                   | B      | 8.0          | 2.6%           |
| HeD                                | Hezel loamy fine sand, 2 to 15 percent slopes                | C      | 3.6          | 1.1%           |
| ScB                                | Scootney silt loam, 2 to 5 percent slopes                    | B      | 3.7          | 1.2%           |
| ScC                                | Scootney silt loam, 5 to 8 percent slopes                    | B      | 0.1          | 0.0%           |
| SdD                                | Scootney silt loam, gravelly subsoil, 5 to 15 percent slopes | B      | 30.1         | 9.7%           |
| ShF                                | Shano silt loam, 30 to 65 percent slopes                     | B      | 22.2         | 7.1%           |
| WdA                                | Warden silt loam, 0 to 2 percent slopes                      | B      | 1.9          | 0.6%           |
| WdB                                | Warden silt loam, 2 to 5 percent slopes                      | B      | 27.8         | 8.9%           |
| WdC                                | Warden silt loam, 5 to 8 percent slopes                      | B      | 0.6          | 0.2%           |
| WdD                                | Warden silt loam, 8 to 15 percent slopes                     | B      | 59.4         | 19.1%          |
| WdE3                               | Warden silt loam, 15 to 30 percent slopes, severely eroded   | B      | 37.0         | 11.9%          |
| WfB2                               | Warden very fine sandy loam, 2 to 8 percent slopes, eroded   | B      | 29.9         | 9.6%           |
| WfD2                               | Warden very fine sandy loam, 8 to 15 percent slopes, eroded  | B      | 85.4         | 27.4%          |
| WfE2                               | Warden very fine sandy loam, 15 to 30 percent slopes, eroded | B      | 0.5          | 0.2%           |
| <b>Totals for Area of Interest</b> |  |        | <b>311.6</b> | <b>100.0%</b>  |

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

# APPENDIX C

# Benton County, WA



9/18/2025, 10:14:49 AM

 Combined Erosion Hazard & Steep Slope 15%

