

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 [Find help answering background questions](#)

1. Name of proposed project, if applicable:

MC 12.0 Pump Station and Service Extension

2. Name of applicant:

Kennewick Irrigation District

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

Daniel Tissell, P.E.
Engineering Manager
2015 S. Ely Street
Kennewick, WA 99337
509-586-6012 ext. 116

4. Date checklist prepared:

November 16, 2023

5. Agency requesting checklist:

Kennewick Irrigation District

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

The project is scheduled to start during the 2023-2024 irrigation offseason. Duration will be based on KID staff availability.

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.

KID issued a Mitigated Determination of Non-Significance (TD 2020-04) for canal lining of the Division II canal within the vicinity of the project. An Archaeological Survey Report was completed for the Kennewick Irrigation District Title Transfer Project. The report found no cultural resources identified within the Main Canal Division II Right-of-Way in which the canal and proposed pump station are located.

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 known applications for governmental approval are pending for this proposal.

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

A building permit will be required from Benton County for the pump station building.

11. Give a 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 MC 12.0 Pump Station and Service Extension will consist of the relocation of an existing pump station, construction of a pump station building, installation of a new turnout structure within the canal, adjustment of the canal alignment and installation of approximately 0.4 miles of irrigation pipeline sized between 16" and 4" (see Appendix A for vicinity map).

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

The project is located within and adjacent to a section of the Main Canal Division II in Benton City, Washington near the south extents of Canyon View PR SE. The project is located in Section 35, of Township 9 North, Range 27 East, Willamette Meridian. A map has been included to show the location of the proposed project (Appendices A).

B. Environmental Elements

1. Earth [Find help answering earth questions](#)

- a. General description of the site:

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

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

The existing site is generally flat. Slopes are generally 0 to 15 percent, however, there are some areas within the project site of steeper slopes ranging from 15 to 30 percent. Generally, the steep slopes within the project site are due to the existing constructed canal embankment.

- 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.

According to the US Department of Agriculture, Natural Resources Conservation Service, the soils in the site are classified as Finley Stony Fine Sandy Loam (FfE) and Warden Silt Loam (WdAB, WdB, WdC, WdD, & WdE3).

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

None 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.

Grading will be completed to prepare the irrigation pump station site (approximately 900 square feet in area). This will include adjustments to the canal alignment as can be seen in Appendix A. The anticipated material cut is 8,500 cubic yards and will be used for the rebuilt canal embankment and for any necessary site leveling. Excavation will be completed to install the pipeline. The depth of the excavation will vary with a minimum depth of 2.5 feet. The length of pipe being installed is approximately 2,200 feet. The excavated material will be used to fill the trench. No additional fill is anticipated for the project. Minor amounts of gravel may be imported as needed for road/driveway restoration.

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

Yes. Grading of the site could result in minor occurrences of rill erosion on bare dirt surfaces during construction, if precipitation occurs. In addition, wind erosion can occur during construction, but will be kept to a minimum through use of erosion control best management practices.

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

The pump station will be in a building covering approximately 0.02 acres of the site. In addition, the adjusted canal will be lined with HDPE.

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 and compliance with local clean air, erosion, and runoff regulations.

2. Air [Find help answering air questions](#)

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 would be expected to be present as a result of the grading activities that will occur as part of the proposed project. Gasoline emissions would result from construction machinery.

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

None that is apparent.

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

Appropriate best management practices will be employed to reduce and control emissions to the air at the project site and compliance with clean air regulations

3. Water [Find help answering water questions](#)

a. Surface Water: [Find help answering surface water questions](#)

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.

There are no surface water bodies in the immediate vicinity of the site, beyond the existing man-made irrigation canal and a private pond. The site is in the Lower Yakima watershed and the canal will eventually drain 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.

Yes, the site is located near an existing man-made irrigation canal and a private irrigation pond (see Appendix A).

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.

None.

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.

Very minor amounts of sediments and fuel/lubricants from heavy machinery could discharge into the existing irrigation pond or canal. These sediments and wastes could be transported by irrigation water once irrigation season commences in spring. Best Management Practices will be used to contain all waste

materials.

b. Ground Water: [Find help answering ground water questions](#)

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):

- a) 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 water runoff (including stormwater) at the site will likely flow into the irrigation canal or into the private irrigation pond. During the part of the season when the canal is dry, during construction, this water will likely remain in the canal until it evaporates or seeps into the ground. Once the irrigation season begins, remaining water will mix with irrigation water and be consumed by irrigation customers. Best Management Practices will be used to contain runoff on site.

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

Minor waste materials could possibly enter ground waters as water infiltrates into the subsurface after spilled on the project site.

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

No, the drainage will be restored to the existing condition.

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

Appropriate best management practices will be employed to reduce and control surface runoff at the project site, as warranted.

4. Plants [Find help answering plants questions](#)

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?

Some grasses and shrubs located within the pipeline alignment alignment will be removed. These generally consist of plants located within pasture. Water Plants within the canal and plants within the canal Right of Way will be removed for the canal grading.

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.

The canal embankment and areas within the canal Right of Way will be hydroseeded using a native seed mix. Some pasture grasses may be replaced during restoration of the pipeline work.

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

None Known.

5. Animals [Find help answering animal questions](#)

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: Ferruginous Hawk, Ducks
- 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.

Ferruginous Hawks are a known threatened species known to be on or near the site. Townsend's Ground Squirrels could find suitable habitat in the open spaces nearby 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.

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

None Known.

6. Energy and Natural Resources [Find help answering energy and natural resource questions](#)

1. 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 will be served with electricity, for seasonal pump operations.

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

No, the pump station will be approximately 15 feet tall and have a small profile, not significantly affecting solar energy.

3. 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 pump station will be expandable so that there is space for additional pumping capacity. This will allow future consolidations with several privately owned pump stations which would result in increased electrical efficiency of the local area.

7. Environmental Health [Find help with answering environmental health questions](#)

- 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 Known.

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.

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.

4. Describe special emergency services that might be required.

None anticipated.

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

None proposed.

b. Noise

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

No noises exist at this location that would affect the project.

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

During project construction, generated noise would be related to construction activities such as heavy machinery noises. Such noise would occur during workday hours, from approximately 7AM to 5PM. Post construction, there would be reduced noise from what is currently occurring. KID operates an existing pump station without noise attenuation during the irrigation season (April to October). This project would relocate and enclose the pump station in a building, which is anticipated to reduce noise. Temporary noise attenuation may be necessary depending on the construction timeline for the building.

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

Work would occur during normal daytime working hours, eliminating noise at night that may disturb area residents. The construction of the pump building will reduce noise impacts from the irrigation pumps.

8. Land and Shoreline Use [Find help answering land and shoreline use questions](#)

- 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 pump station site is located on KID Right-of-Way. The site is used for canal maintenance and access. The remaining parts of the site include a private road, an orchard, and residential properties. Adjacent properties include residential, agriculture and undeveloped.

- 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?

Yes, a portion of the site has been used as working farm ground. The project will be designed to minimize impact to farm operation and will not cause land use change.

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?**

The project will not affect long-term farm or forest business operations. The pipeline installation portion of the project may temporarily impact farm operation during construction. KID plans to install the pipeline during the irrigation offseason which should limit impacts to farms. KID plans to coordinate installation with the farmer.

- c. **Describe any structures on the site.**

No structures are located on the site.

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

No.

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

The properties around the site are zoned Growth Management Act Agricultural.

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

The properties around the site are zoned Growth Management Act Agricultural.

- 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.**

Parts of the site have been classified as a geologically hazardous area by Benton County. This appears to be due to constructed canal and pond embankments.

- 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 proposed.

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

The proposed project will consist of maintaining and upgrading existing irrigation facilities within canal Right-of-Way and irrigation easements and will be compatible with existing and projected land uses and plans.

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](#)

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](#)

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

The pump station will be an insulated concrete form building and be approximately fifteen (15) feet tall. It is anticipated that the exterior will be stucco with stone cladding.

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

An existing canal embankment is constructed at the pump station site. The pump station will stand approximately fifteen (15) feet tall adjacent to and below the canal embankment minimally impacting views.

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

An upgrade of the pump station enclosure. The existing pump station has been enclosed in a chain link fence. The new pump station will be enclosed in a building where the exterior is anticipated to be stucco with stone cladding.

11. Light and Glare [Find help answering light and glare questions](#)

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 the windows/mirrors on the equipment may be present during the daytime hours. Lights are planned to be installed on the exterior of the pump station. There could be some glare at night from vehicles accessing the pump station.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

None anticipated lights on the pump station will be directional to reduce light pollution. Relocation of the pump station should help to reduce light that would interfere with views by lowering the light source.

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.

Lights on the pump station will be directional to reduce light pollution. In addition, the installation of a building will help to reduce impacts for any operational nighttime visits to the pump station.

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, with occasional use by horseback riders and bicyclists.

b. Would the proposed project displace any existing recreational uses? If so, describe.

Unauthorized recreational use of the canal road would likely cease temporarily during project construction.

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](#)

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 Division II has 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 known. An Archaeological Survey Report was completed for the Kennewick Irrigation District Title Transfer Project. The report found no cultural resources identified within the Main Canal Division II Right-of-Way in which the canal and proposed pump station are located.

- 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.

Consultation with the Dept. of Archaeology and Historic Preservation Searchable Database.

- 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.

Stop in the location that evidence is uncovered and notify the proper authorities.

14. Transportation [Find help with answering transportation questions](#)

- 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.

N Canyon View PR NE provides access to the site.

- 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 5.2 miles 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).

No. The project will not require improvements to public roads.

- 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. Vehicular trips were already made to the existing pump station. Upon completion of the new pump station vehicular trips may initially be lessened due to the new facility. The pump station will still be accessible from the canal embankment by traversing the canal embankment on foot. Vehicular access to the pump station will change from the canal road to Canyon View PR SE. It is anticipated that KID visits the pump station once a day during the irrigation season.

- 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.

15. Public Services [Find help answering public service questions](#)

- 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 proposed.

16. Utilities [Find help answering utilities questions](#)

- 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.

Electricity will be supplied by Benton PUD. Power lines are located to the east and directly over the proposed building. Modifications will be required to the existing overhead lines. KID has been in contact with Benton PUD regarding the relocation of the power lines.

C. Signature [Find help about who should sign](#)

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.

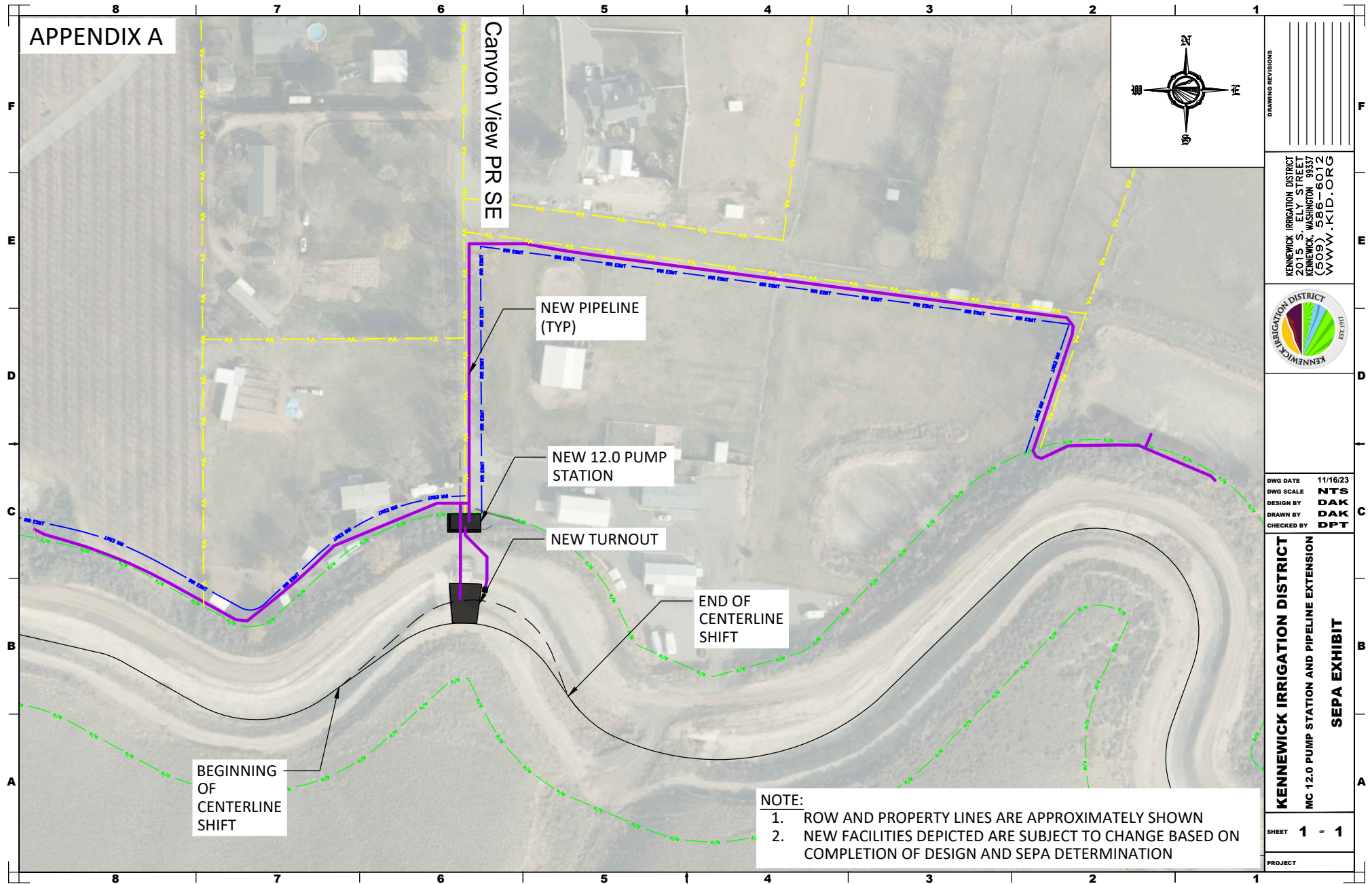
X 

Type name of signee: Click or tap here to enter text.

Position and agency/organization: Click or tap here to enter text.

Date submitted: Click or tap to enter a date.

APPENDIX A



NOTE:

1. ROW AND PROPERTY LINES ARE APPROXIMATELY SHOWN
2. NEW FACILITIES DEPICTED ARE SUBJECT TO CHANGE BASED ON COMPLETION OF DESIGN AND SEPA DETERMINATION

DRAWING REVISIONS

KENNEWICK IRRIGATION DISTRICT
2015 S. ELY STREET
KENNEWICK, WASHINGTON 98337
(509) 586-6012
WWW.KID.ORG



DWG DATE 11/16/23
DWG SCALE NTS
DESIGN BY DAK
DRAWN BY DAK
CHECKED BY DPT

KENNEWICK IRRIGATION DISTRICT
MC 12.0 PUMP STATION AND PIPELINE EXTENSION
SEPA EXHIBIT

SHEET 1 of 1

PROJECT