SEPA ENVIRONMENTAL CHECKLIST

A. Background [HELP]

1. Name of proposed project, if applicable:

   Dana Passage Water Distribution Line Replacement

2. Name of applicant:

   Public Utility District No. 1 of Thurston County (TPUD)

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

   Kim Gubbe, Director of Planning and Compliance
   1230 Ruddell Rd SE
   Lacey, WA 98503
   360-357-8783

4. Date checklist prepared:

   4/27/2026

5. Agency requesting checklist:

   Thurston PUD

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

   Construction is anticipated to start in spring 2027 with completion by fall 2027.

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

   No future additions or expansion are planned currently.

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

   No other environmental information is being prepared or will be prepared that is directly related to this project.

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.

   TPUD does not know of any pending applications for government approvals for other proposals directly related to this water system.

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

Permits and approvals required for the Consolidation Project include:

- **County Permits: A right-of-way permit will be required from Thurston County.**
- **Cultural Resources Review: An archeological and cultural review will be conducted in coordination with the Washington State Department of Archaeology & Historic Preservation (DAHP).**

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 project includes installation of 15,000 LF of 2 and 4-inch water distribution piping and associated valves, blow offs, and other appurtenances. Up to 120 services will be connected to the new pipeline, including new meters with appurtenances at each service.

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 Dana Passage water system is in Thurston County, located within Section 12 of Township 19N, Range 02 West. The source is located at 8135 Evergreen Dr. NE Olympia WA 98506 (TPN 43620000601).

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

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

The topography throughout the system varies from flat (1%) in areas to very steep slopes (30%) in the areas bordering the Dana Passage channel.

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

Steep slopes up to 30% slopes exist in the water system area, but not within the project site itself. The steepest slopes that exist within the project area are up to 6%.

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.

Multiple soil types exist in the area including Skipopa silt loam, Kapowsin silt loam, Dystric Xerochrepts, Bellingham silty clay loam, and McKenna gravelly silt loam.

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

Unstable soils may exist in the areas bordering the Dana Passage channel, however, the project area is entirely contained within existing roadways and are not at a close proximity to any potential unstable areas.

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.

Excavation will be required for approximately 15,000 LF of water main and associated appurtenances and connections to existing mains.
The estimated total volume of excavation quantity is less than 15,000 CY.
Imported coarse sand or gravel will be used for pipe bedding material. It is anticipated that the excavated soil will be used for the trench backfill.
The surface will be graded and restored to its existing condition.

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

Significant vegetation removal is not expected. Construction will occur primarily on existing impervious surfaces. Where soil disturbance does occur, standard erosion control Best Management Practices (BMPs) will be implemented to minimize erosion and contain sediments on-site. No long-term erosion is anticipated following project completion.

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

The project area is contained within the existing paved roadway. As a result, the pre- and post- project impervious areas are not expected to change significantly as a result of the project.

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

No clearing is anticipated with this project and all areas and surfaces will be restored to their pre-existing state at completion of the replacement. Construction stormwater best practices will be followed to protect drainage inlets and eliminate any construction related stormwater or erosion.

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.

Construction activities may generate minor air emissions or odors that include dust, automobile emissions, construction equipment, asphalt preparation, and concrete batching. Emissions are expected to be minimal and temporary, occurring only during typical work hours for the duration of the project. No new emissions result from the completed project.

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

None known.

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

None.

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.

At its closest point, the project will be about 385 feet from Dana Passage channel, located in the southern part of Puget Sound.

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, the project will not be within 200 feet of 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 anticipated.

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.

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.
None anticipated.

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.
Yes, groundwater is currently withdrawn, and will continue to be withdrawn, under an existing approved water right for domestic residential and municipal supply. The water system includes one well (DOE Well Tag No. AEJ307) drilled to a depth of approximately 158 ft. The well has a capacity of approximately 86 gallons per minute (gpm). The proposed project will not increase water use.

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 result of the proposed project. The water system serves approximately 79 connections. The proposed project will not affect the number of connections of the system.

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.
New impervious surface will not be created as a result of this project. Stormwater quantity and patterns will remain unchanged. Additionally, a Stormwater Pollution Prevention Plan (SWPPP) will be prepared to prevent pollution due to water runoff during construction.

2) Could waste materials enter ground or surface waters? If so, generally describe.
No such impacts anticipated.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.
No.

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

None required.

4. Plants [help]

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

_X__deciduous tree: alder, maple, aspen, other
_X___evergreen tree: fir, cedar, pine, other
_X___shrubs
_X___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?

Minor areas of existing lawn or landscaping may be disturbed and any such areas will be restored per TPUD standards.

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

None identified.

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

None planned.

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

Thurston County has identified Daphne Laureola near the project site.

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.

Birds: Hawk, eagle, songbirds
Mammals: Bats
Fish: none

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

Washington State Department of Fish and Wildlife identify the overall area as a sensitive location for Townsend's Big-eared Bat. TPUD does not have information about any instances of bats being in the specific project area.

US Fish and Wildlife service identified three threatened birds: Marbled Murrelet, Streaked Horned Lark, and Yellow-billed Cuckoo. Other threatened species are: Yelm Pocket Gopher, Northwestern Pond Turtle, Bull Trout, Monarch Butterfly, and Suckley's Cuckoo Bumble Bee. However, USFWS shows no critical habitats in the area of the site.

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

Yes. The water systems are located within the Pacific Flyway.

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

None planned.

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

None identified.

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.

Electric energy used to power pumps, treatment, and all other electronic equipment and assets within the water treatment building and pumphouse. Significant changes to site energy usage are not anticipated.

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 [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.

Minor fuel spills could occur from construction equipment, but not expected.

1) Describe any known or possible contamination at the site from present or past uses.
The Washington State Department of Health Source Water Assessment Program mapping application identifies no contaminant onsite.

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 identified.

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.

4) Describe special emergency services that might be required.
None identified.

5) Proposed measures to reduce or control environmental health hazards, if any:
None; no health hazards identified.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
None identified.

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.
Construction noise during replacement phase associated with trucks and limited excavation equipment such as small excavators. No noise is associated with the completed project.

3) Proposed measures to reduce or control noise impacts, if any:
Construction work will be generally limited to Monday through Friday between 7 am and 7 pm.

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 project area is surrounded by residential properties. No impact to land use or adjacent properties are anticipated.

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 oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

Does not apply.

c. Describe any structures on the site.

No other structures are on the site.

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

No.

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

The proposed project is within a zoning designated as Residential LAMIRD (Limited Areas of More Intensive Rural Development).

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

The existing land use for the project area is designated at Residential in the Thurston County Comprehensive Plan 2025 Update.

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

The shorelines bordering the Dana Passage water system boundary is classified as Rural and Conservancy. However, the project area is contained within existing roadways and will not extend into or disturb any shorelines.

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

No.

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

The system serves a population of approximately 210 people.

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:

The project will not alter land use from existing uses. Any disturbed surface areas will be restored to match existing conditions.

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

None.

9. Housing [help]

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

None.

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

None.

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

Does not apply.

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 project will occur below ground level.

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

No impacts anticipated.

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

None.

11. Light and Glare [help]

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

No impacts anticipated.

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 identified.

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?

The site lies about one half mile west of a Public Preserve owned by Washington State.

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 [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 historic buildings or structures have been identified near the project location.

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 study will be performed for the subject area. The site is located in areas designated as "moderate risk" and "high risk" as reported by WISAARD. All construction will be located in existing disturbed areas.

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 area was reviewed using WISAARD. An archeological study will be performed for the areas where excavation will occur. DAHP will review the entire project area, and outreach will

be conducted to the Cowlitz Puyallup, Squaxin, Nisqually, and Confederated Tribes of the Chehalis Reservation.

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.

Following an archaeological study, an inadvertent discovery plan will be employed, with other further measures as necessary based on study findings. In the event that archaeological materials are encountered during the development of the property, an archaeologist should immediately be notified and work halted in the vicinity of the find until the materials can be inspected and assessed. At that time, the appropriate persons will be notified of the exact nature and extent of the resource so that measures can be taken to secure them. In the event of inadvertently discovered human remains of indeterminate bones, pursuant to RCW 68.50.645, all work must stop immediately and law enforcement should be contacted. Any remains should be covered and secured against further disturbance, and communication established with local police, the DAHP, and any concerned tribal agencies.

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 main arterial road serving the site is 81st Ave NE, and the local roads that directly access the site are Island View Dr NE and Evergreen Dr NE.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No.

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

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

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

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

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be

trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

No additional trips.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

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

None.

15. Public Services [help]

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

No increases to public services are expected.

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

None.

16. Utilities [help]

a. Circle utilities currently available at the site:

Power (electric); water, phone, cable tv/internet, natural gas.

e. 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.

Thurston PUD is a water utility. The project will install 15,000 feet of water distribution pipeline to replace old and aging pipe. TPUD will employ utility location service and coordination with other utilities present as necessary during construction.

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: Elisabeth P. Dillin
Elisabeth P. Dillin (Oct 29, 2026 09:05:16 PDT)

Name of signee: Elisabeth P. Dillin, P.E.

Position and Agency/Organization: Consulting Engineer

Date Submitted: 10/29/2026

SEPA - Dana Passage

Final Audit Report 2026-10-29

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