



**Request for Clean Water Act
Section 401 Water Quality Certification
Washington State Department of Ecology**
Phone: (360) 407-6076 or E-mail: ecyrefedpermits@ecy.wa.gov

AGENCY USE ONLY

Date Received: 8/1/2022
Aquatics ID #: 137057
Team: NWRO
Valid Request: 8/1/2022

This Section 401 Water Quality Certification (WQC) Request form identifies information that is typically needed in order to review and process a Section 401 WQC request. Please see Ecology's [webpage](#) for more information about the Section 401 Request process.

Submit this Section 401 WQC Request form along with a [Joint Aquatic Resources Permit Application](#) (JARPA) and supporting information to ecyrefedpermits@ecy.wa.gov and copy the federal permitting agency.

A. Federal Permit or License Reference Number, if known:

Department of Ecology (Ecology) Project ID Number, if known:

Project Name:

County:

B. Project Proponent Name:

C. Documentation showing that the pre-filing meeting request was submitted at least 30-days prior to submitting this Section 401 WQC Request: ☐ Attached

D. A completed, signed, and dated JARPA should be submitted with this form.

Did you attach a JARPA? ☐ Yes ☐ No

E. The following is a list of documents typically needed for Ecology's WQC review, along with a brief explanation. Depending on the project, additional information may be requested.

Please let us know what information you are submitting with your WQC request and this form:

- ☐ Final State Environmental Policy Act (SEPA) determination
- ☐ Project drawings
 - Vicinity map, plan view, and cross-section
- ☐ Best management practices and construction methodology
 - This information is not needed if incorporated into a Water Quality Monitoring and Protection Plan (WQMPP)—see below
 - For in-water work (below ordinary high water mark), including wetlands
 - Describe best management practices to be implemented to protect water quality
 - Describe construction sequencing and methodology
- ☐ Water Quality Monitoring Plan (WQMP) or WQMPP
 - This is needed when conducting work in a waterbody (e.g., in creek, ditch, river, lake, pond, marine, estuarine)
 - Include water quality parameters such as turbidity, oil sheen, pH (poured in-place concrete), etc.
 - WQMPP is similar to WQMP, but includes best management practices
 - See [State Water Quality Standards for Surface Waters](#) (Chapter 173-201A-200 or -210 WAC)
 - If needed, templates are available

- ☐ Erosion and Sediment Control Plan
 - For upland work (above ordinary high water mark)
 - Addresses stormwater (temporary or long-term)
 - May be included in project drawings or selected pages from a Stormwater Pollution Prevention Plan
- ☐ Jurisdictional determination
 - Needed for non-federally regulated waters (state waters that are not “waters of the United States”)
 - Determined by [U.S. Army Corps of Engineers](#) or Environmental Protection Agency
 - Ecology regulates state waters (including wetlands) in Washington, regardless of federal jurisdiction. For more information see [state wetland regulations](#)
- ☐ Wetland Report
 - Needed when there is a discharge (excavation or fill) to wetlands
 - Report needs to include both a wetland delineation and rating
 - Include delineation data sheets and rating forms
 - For more information see [wetland delineation resources](#) and [hiring a qualified wetland professional](#)
- ☐ Mitigation Plan
 - Needed to offset impacts to wetland, stream, marine, or other aquatic habitat
 - Submit a Wetland Mitigation Bank Use Plan when proposing mitigation bank use, or an In-Lieu Fee (ILF) Use Plan when proposing ILF mitigation
 - For more information, see [wetland compensatory mitigation](#)
- ☐ Riparian Planting and Monitoring Plan
 - Needed when riparian vegetation is removed or modified
 - May be included in plan set or mitigation plan
- ☐ Suitability Determination
 - Needed when sediments will be dredged for maintenance, navigation, other purposes
 - Covers in-water disposal and sediment anti-degradation
 - For information see [Dredged Material Management Office](#)
- ☐ Dredging Plan
 - Needed when sediments will be dredged for maintenance, navigation, other purposes
 - Should include dredge footprint and depth, dredge type, best management practices, disposal plan, off-loading plan for upland disposal, etc.
- ☐ Dewatering Plan
 - Needed for complex in-water work or management of excavated/dredged material
 - May also be required for some excavation projects


F. Certification Statements:

The project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of my knowledge and belief.

Initial _____

The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

Initial _____

Signature:  _____ Date: _____

Print Name: _____

To request an ADA accommodation, contact Ecology by phone at (360) 407-6076 or email at ecyrefedpermits@ecy.wa.gov, or visit <https://ecology.wa.gov/accessibility>. For Relay Service or TTY call 711 or 877-833-6341.

Si necesita este formulario en español, por favor, llámenos a (360) 407-6076
o envíenos un correo electrónico a: ecyrefedpermits@ecy.wa.gov



WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form^{1,2} [\[help\]](#)

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps
of Engineers®
Seattle District

AGENCY USE ONLY

Date received: 8/1/2022 edoc
Rec'd 401 Req Form

Agency reference #: _____

Tax Parcel #(s): _____

Part 1—Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [\[help\]](#)

Thunder Hills Sanitary Sewer Interceptor Replacement

Part 2—Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)

Christensen, Dave

2b. Organization (If applicable)

City of Renton

2c. Mailing Address (Street or PO Box)

1055 South Grady Way - 5th floor

2d. City, State, Zip

Renton, WA 98057

2e. Phone (1)

425-430-7212

2f. Phone (2)

n/a

2g. Fax

425-430-7241

2h. E-mail

dchristensen@rentonwa.gov

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to

http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

3a. Name (Last, First, Middle)			
Rettmann, Kristi			
3b. Organization (If applicable)			
Stantec Consulting Services, Inc.			
3c. Mailing Address (Street or PO Box)			
11130 NE 33rd Place, Suite 200			
3d. City, State, Zip			
Bellevue, WA 98004			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
425-289-7338	425-214-3901	425-869-1190	kristi.rettmann@stantec.com

Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- ☐ Same as applicant. (Skip to Part 5.)
- ☒ Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- ☐ There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- ☐ Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail
	n/a	n/a	

Part 5—Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- ☐ There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input checked="" type="checkbox"/> Private			
<input type="checkbox"/> Federal			
<input type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.)			
<input type="checkbox"/> Tribal			
<input type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
Grant Ave South & South 18th Street			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Renton, WA 98055			
5d. County [help]			
King			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
NW & SW	20	23	05E
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none">Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)			
47.464284 N lat./ -122.199250 W long.			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none">The local county assessor's office can provide this information.			
8644120000; 202305-9005, -9010, -9012, -9013, -9050, -9070, -9084, -9088, -9112, -9113, -9114, -9116			
5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]			
Name	Mailing Address	Tax Parcel # (if known)	
PUGET SOUND ENERGY	PO BOX 97034 BELLEVUE, WA 98009	2032059005, -9010, -9012, -9013, -9050, -9070	
WOODCLIFFE (THOMSON REUTERS)	2235 FARADAY AVE SUITE #0 CARLSBAD, CA 92008	2023059084, -9088, -9112, -9114, -9116	
BERKSHIRE SEATTLE APARTMENTS	660 NEWPORT NEWPORT BEACH, CA 92660	2023059113	
REGENCY WOODS APARTMENTS	1200 South 18th Street Renton, WA 98055	8644120000	

5i. List all wetlands on or adjacent to the project location. [help]
Wetlands A through F were identified in the attached Stream & Wetland Delineation Report (The Watershed Company, 2015).
5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]
Thunder Hills Creek was designated as Stream A, with the remaining tributaries designated as Streams B-H in the attached Stream & Wetland Delineation Report (The Watershed Company 2015).
5k. Is any part of the project area within a 100-year floodplain? [help]
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know
5l. Briefly describe the vegetation and habitat conditions on the property. [help]
<p>This linear sewer improvement project runs adjacent to Thunder Hills Creek in the City of Renton, WA. The majority of the proposed project lies within easements along the existing maintenance access road/trail, sections of which range from soil to gravel to pavement. The maintenance access road is surrounded by steep slopes vegetated with English ivy, evergreen and Himalayan blackberries, ferns, salal, grasses, and other shrubs along with a variety of trees (alder, maple, fir, cedar, and pine). Several trees along the existing maintenance access road, especially at various steep slope sections, have extensively exposed roots where there is no soil, gravel or vegetation.</p> <p>The project crosses two Puget Sound Energy (PSE) high voltage electrical line easements, which are dominated by Himalayan blackberry, Japanese Knotweed, and invasive grasses. Although a perennial stream, the section of Thunder Hills Creek adjacent to the project alignment is non-fish bearing due to a fish passage barrier downstream. In addition to the creek, there are several other streams and wetlands identified along the project route. In the attached Stream & Wetland Delineation Report (The Watershed Company 2015), The onsite wetlands were rated utilizing the Washington State Wetland Rating System for Western Washington (Hruby 2014) as follows:</p> <ul style="list-style-type: none"> - Category 3/Moderate Habitat Function: Wetlands B, D, E, & F - Category 3/Low Habitat Function: Wetland A - Category 4/Moderate Habitat Function: Wetland C <p>Streams along the project route were also evaluated by The Watershed Company in October of 2015. The streams were classified according to Renton Municipal Code 4-3-050, and are summarized as follows:</p> <ul style="list-style-type: none"> - Type Np/perennial, non-fish-bearing: Thunder Hills Creek - Type Ns/intermittently-flowing, non-fish-bearing: Streams B, C, D, E, & F <p>Habitat value of the site is somewhat limited due to community residents utilizing the maintenance access road as a walking path. The area around the sewer alignment provides habitat for a variety of passerine birds and other small mammals.</p>
5m. Describe how the property is currently used. [help]
The existing sewer line runs along the Thunder Hills Creek ravine. The project runs through several tax parcels, the majority of which are zoned RM-F (residential multi-family), with some vacant RM-F land at the corner of South 18th Street and Grant Avenue South. The zoning of the small portion of the northern end of the site is R-8 (residential, 8 dwelling units per acre) as well as vacant. The existing maintenance access road provides access to the City of Renton for sewer maintenance and is also currently utilized by local pedestrians as a walking trail. Several parcels belong to Puget Sound Energy (PSE) for powerline easement/access. Within this PSE easement, a 20" diameter petroleum pipeline owned by BP Olympic Pipeline is located near the center of the project (at approximately 15+00).
5n. Describe how the adjacent properties are currently used. [help]

The property tax parcels that the project site resides in, extend well beyond the actual project site down into a ravine (see attached parcel map). The adjacent properties to the parcels, where the project is located, are primarily used as residential land. Additionally, PSE electrical lines/open space and the BP Olympic gas pipeline extends beyond into the adjacent properties beginning midway along the project route.

5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [\[help\]](#)

There are three different foot bridges that cross Thunder Hills Creek and some rock gabion walls within the creek itself. Up at the top of the ravine, there are several actively used and maintained apartment complex buildings far from where the construction activities will take place. PSE power lines run perpendicular to the property at station 15+00, as well as a BP Olympic gas pipeline located 12 feet below ground surface at that same station. Electrical and gas lines appear to be currently working and maintained, at the time of the March 2018 site visit by Stantec biologists. A concrete culvert is located towards the northern end of the project area, near I-405 (station 2+00), and appears to be in good working order with no blockage, at the time of the March 2018 site visit by Stantec biologists.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

The project is in the City of Renton, Washington and runs alongside Thunder Hills Creek, commencing at a gated, paved entrance at the intersection of Grant Avenue South and South 18th Street, extending northwest to I-405. See attached vicinity map.

Part 6–Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [\[help\]](#)

The existing Thunder Hills Sanitary Sewer Interceptor collects sewage from the Rolling Hills neighborhood and is located southeast of Renton City Hall. The interceptor connects to sewer mains that ultimately flow to the King County South Wastewater Treatment Plant. The proposed Thunder Hills Sanitary Sewer Interceptor Replacement project is a sewer line replacement project in the segment from the intersection of Grant Avenue South and South 18th Street to I-405.

Thunder Hills Creek is in a steep, narrow ravine that is incised from stream flows. The Thunder Hills Sanitary Sewer Interceptor traverses along and crosses under Thunder Hills Creek within this ravine. A maintenance road/trail used for access to the sewer main is also located along the creek alignment.

The City is proposing to make improvements to approximately 2,050 lineal feet of sewer main. The sewer line will be improved through a mix of parallel HDPE pipelines and rehabilitation of the existing line using a cured-in-place pipe (CIPP) lining technology. Additionally, the City is proposing to improve approximately 37,574 square feet of maintenance access road, and stabilize slopes to help alleviate potential, future erosion issues.

Approximately 1,205 lineal feet (LF) of 12-inch HDPE sewer line would be installed parallel to the old line from approximately Station 4+40 to 12+20 and 12+35 to 16+60 utilizing traditional trench construction methods. The remaining portion of the existing sewer line (approximately 845 LF) will be rehabilitated using CIPP technology. An additional manhole will be installed behind the Berkshire Apartments to accommodate the CIPP construction in this vicinity.

The project includes improving the existing maintenance access road from the portion of the interceptor south of I-405 to roughly Station 30+83. Station 1+00 to station 7+25 of the improvements will be narrow (7 feet wide) with just enough width to allow the City's "easement" machine in this area to perform maintenance. From Station 7+25 south, proposed improvements include adding a turnaround at Station 7+50, building a new access road across PSE property at Station 16+00, and rebuilding the entrance road at Station 30+83. The road improvements would encompass approximately 37,574 square feet. The road improvements will be constructed adjacent to Thunder Hills Creek and will generally be in the existing location of the maintenance access road.

6b. Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

The sewer main was constructed with asbestos cement pipe using cast iron fittings for bends and wyes in 1965. The interceptor is made up of 10-inch, 12-inch and 18-inch concrete, asbestos cement, and ductile iron pipe. In 2014, a survey of the interceptor was conducted to determine the condition of the existing line. The survey found grease buildup, pipe joints that had separated over time, broken lip sections, corrosion of cast iron fittings, concrete lining spalling, heavy scale deposits, minor root intrusion, and a sag in one portion of the line. In addition, the existing line was not constructed with adequate manholes for maintenance. Due to the deterioration of the sewer interceptor, erosion and slope sloughing impacts to the line and existing gravel maintenance access road, and current inadequate manhole access, the City has proposed making improvements to approximately 2,800 feet of sewer main and maintenance access road, as well as stabilizing slopes.

6c. Indicate the project category. (Check all that apply) [\[help\]](#)

- | | | | | |
|---|---|--|---|---------------------------------------|
| <input type="checkbox"/> Commercial | <input type="checkbox"/> Residential | <input type="checkbox"/> Institutional | <input type="checkbox"/> Transportation | <input type="checkbox"/> Recreational |
| <input checked="" type="checkbox"/> Maintenance | <input checked="" type="checkbox"/> Environmental Enhancement | | | |

6d. Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Aquaculture | <input type="checkbox"/> Culvert | <input type="checkbox"/> Float | <input type="checkbox"/> Retaining Wall (upland) |
| <input checked="" type="checkbox"/> Bank Stabilization | <input type="checkbox"/> Dam / Weir | <input type="checkbox"/> Floating Home | <input checked="" type="checkbox"/> Road – gravel maintenance road |
| <input type="checkbox"/> Boat House | <input type="checkbox"/> Dike / Levee / Jetty | <input type="checkbox"/> Geotechnical Survey | <input type="checkbox"/> Scientific Measurement Device |
| <input type="checkbox"/> Boat Launch | <input type="checkbox"/> Ditch | <input checked="" type="checkbox"/> Land Clearing – some vegetation clearing | <input type="checkbox"/> Stairs |
| <input type="checkbox"/> Boat Lift | <input type="checkbox"/> Dock / Pier | <input type="checkbox"/> Marina / Moorage | <input type="checkbox"/> Stormwater facility |
| <input type="checkbox"/> Bridge | <input type="checkbox"/> Dredging | <input type="checkbox"/> Mining | <input type="checkbox"/> Swimming Pool |
| <input type="checkbox"/> Bulkhead | <input type="checkbox"/> Fence | <input type="checkbox"/> Outfall Structure | <input type="checkbox"/> Utility Line - sewer |
| <input type="checkbox"/> Buoy | <input type="checkbox"/> Ferry Terminal | <input type="checkbox"/> Piling/Dolphin | |
| <input type="checkbox"/> Channel Modification | <input type="checkbox"/> Fishway | <input type="checkbox"/> Raft | |

☒ Other: Sewer main replacement

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

Approximately 1,205 lineal feet (LF) of 12-inch HDPE sewer line would be installed parallel to the old line from approximately Station 4+40 to 12+20 and 12+35 to 16+60 utilizing traditional trench construction methods. The remaining portion of the existing sewer line (approximately 845 LF) will be rehabilitated using CIPP technology. There is also one section of the line that has a longer than desired spacing between manholes (approximately 1,300), which increases the difficulty of CIPP lining installation, as well as decreases access to allow City maintenance of this section. Thus, another manhole would be installed behind the Berkshire Apartments to facilitate CIPP construction and future maintenance of the sewer utility.

The project includes improving the existing maintenance access road from the portion of the interceptor south of I-405 to roughly Station 30+83. Station 1+00 to station 7+25 of the improvements will be narrow (7 feet wide) with just enough width to allow the City's "easement" machine in this area to perform maintenance. From Station 7+25 south, proposed improvements include adding a turnaround at Station 7+50, building a new access road across PSE property at Station 16+00, and rebuilding the entrance segment of the maintenance access road at Station 30+83. The road improvements would encompass approximately 37,574 square feet. The road improvements will be constructed adjacent to Thunder Hills Creek and will generally be in the existing location of the maintenance access road. Due to the limited width of the project alignment, the contractor will be required to utilize small excavation equipment to demolish the existing paved areas and build the new access road. The project specifications and plans will detail measures the contractor will be required to adhere to in excavating, filling, compacting, and grading the access road improvements in close proximity to identified streams and wetlands. Locally imported structural fill will consist of sand and gravel (quarry spall 2" – 4") and less than 5% fines, with a maximum thickness of 12" and a minimum of 95% compaction. Approximately the first 150' of the access road entrance will be paved as well as a 12' wide access on PSE Parcel No. 2023059013.

Several different structures will be constructed to alleviate future erosion/undercutting of the roadway and sewer line: Four-foot gabion walls would be constructed on the north side of the ravine between Stations 1+00 and 2+50. A rock buttress would be constructed utilizing large quarry rock (4-man size or larger) on the north side of the ravine between Station 2+50 and Station 5+50. Between Stations 3+80 and Station 5+50 several rockeries would be constructed on the north and south sides of the ravine. Rockeries will be constructed of Ultra or ecology block and will be tiered where possible. These structures will all be embedded into dense native soils or hard sandstone per the Geotechnical Engineer's recommendations for the project.

Timing for this project is set for June 2019 through September 2019 enabling construction to occur during summer months when the creek is at its lowest level and surface waters are diminished. Project specific erosion control measures will be detailed in the project specifications to limit the impact of construction on surface waters as much as possible.

There will be temporary impacts to surface waters along the project route. Mitigation plans (attached) have been developed to restore impacted areas.

No project activities are within the 100-year floodplain.

6f. What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start Date: June 2019

End Date: September 2019

☐ See JARPA Attachment D

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

Unknown, contractor will not be selected until after receipt of approved permits.

6h. Will any portion of the project receive federal funding? [\[help\]](#)

- If yes, list each agency providing funds.

☐ Yes ☒ No ☐ Don't know

Part 7–Wetlands: Impacts and Mitigation

☒ Check here if there are wetlands or wetland buffers on or adjacent to the project area.

(If there are none, skip to Part 8.) [\[help\]](#)

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [\[help\]](#)

☐ Not applicable

The project's sewer line replacement and the necessary improvements to the existing maintenance access road along Thunder Hills Creek are in close proximity to wetlands and the combined wetland/stream buffer. As a result, there are some unavoidable direct impacts to Wetlands E and F, as well as to buffers for Wetlands A through F. Measures to avoid and minimize impacts to wetlands and wetland buffers as much as possible include:

- Existing access points to the project are will be utilized to avoid creating any new disturbance to the area.
- CIPP technologies are used to repair the existing sewer interceptor where it crosses Thunder Hills Creek, avoiding impact to the creek where the pipe crosses directly underneath, and reducing the potential impact of traditional open trenching construction methods for other locations where CIPP is utilized.
- Installation of the new sewer main will be within the existing gravel maintenance access road where possible, limiting additional wetland buffer impacts.
- Project construction will occur during dry summer months, when ground and surface water are typically minimal.
- The improvements to the existing maintenance access road and the new maintenance access road elements (turnaround at 7+50, new access road across from PSE property station 16+00, and rebuilding the maintenance access road entrance at station 30+00) have been designed as narrow as possible to minimize permanent wetland buffer impacts.
- A narrower width path (seven feet compared to 12-foot road) will be used for specialized construction equipment on the northern portion of the project area.
- The improvements to most of the maintenance access road will be in the same location as existing, unmaintained maintenance access road to minimize impacts on existing vegetation in the combined wetland and stream buffer.
- The BMPs and measures described in the Temporary Erosion and Sediment Control (TESC) plan (provided with the project site plans) will be implemented throughout the duration of this project.

7b. Will the project impact wetlands? [\[help\]](#)

☒ Yes ☐ No ☐ Don't know

7c. Will the project impact wetland buffers? [\[help\]](#)

☒ Yes ☐ No ☐ Don't know

7d. Has a wetland delineation report been prepared? [\[help\]](#)

- If Yes, submit the report, including data sheets, with the JARPA package.

☒ Yes ☐ No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- If Yes, submit the wetland rating forms and figures with the JARPA package.

☒ Yes ☐ No ☐ Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- If Yes, submit the plan with the JARPA package and answer 7g.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

☒ Yes ☐ No ☐ Don't know

The Impacts and Mitigation Plans (90%) (The Watershed Company 2018) and the Technical Memorandum: Springbrook Creek Mitigation Bank Use Plan (The Watershed Company 2017) are attached to this application.

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

The project proposes to mitigate for unavoidable permanent impacts to Wetland E and Wetland F using the Springbrook Creek Mitigation Bank. Because Wetland and Wetland F are Category III wetlands, 0.85 credits at the Springbrook Creek Mitigation Bank are required per impact acre (WSDOT and City of Renton 2006). Therefore, combined permanent impact of 1,332 sq. ft. (0.03 acres) to Wetland E and Wetland F requires 0.026 mitigation credits.

Temporary impacts to wetlands and wetland buffers will be mitigated on-site rather than at the mitigation bank. This on-site restoration is warranted, as it will help to maintain existing functions present at the site to the maximum extent feasible. Additionally, permanent impacts to wetland buffers will be mitigated on-site. The on-site wetland mitigation is warranted to maintain buffering functions for the stream and existing wetland areas that will remain.

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)
Fill	Wetland E	III	17 sq. ft.	Permanent	B	17 sq. ft.
Fill	Wetland F	III	1,315 sq. ft.	Permanent	B	1,315 sq. ft.

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: Page 3 (Table 1); Page 4

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

Direct wetland impacts (1,332 sq. ft or 0.03 acres) include placement of an improved gravel maintenance access road within Wetlands F, and construction of a new gravel turnaround that extends partially into Wetland E at the southernmost extent of the project area. Due to the limited width of the project alignment, the contractor will be required to utilize small excavation equipment when grading and filling the road in these wetland areas. Fill here will consist of sand and gravel (quarry spall 2" – 4") and less than 5% fines, with a maximum thickness of 12" and a minimum of 95% compaction. With the exception of the fill noted for Wetland E and F, the contractor will be instructed to perform no work below the ordinary high water mark (OHWM).

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

Approximately 35.32 cy of soil and vegetation within Wetland E and F will be removed as part of the maintenance access road improvements. Due to the limited width of the project alignment, the contractor will be required to utilize small excavation equipment to demolish the existing paved areas. The project specifications and plans will detail measures the contractor will be required to adhere to in excavating, filling, compacting, and grading the maintenance access road improvements in close proximity to identified streams and wetlands.

Part 8—Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, “waterbodies” refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

☒ Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

☐ Not applicable

The sewer line replacement project and the necessary improvements to the existing maintenance access road along Thunder Hills Creek are in close in proximity to Thunder Hills Creek and within the stream and wetland buffers designated by the City of Renton (Streams A through H and combined wetland/stream buffer). Measures to avoid and minimize impacts to non-wetland waterbodies as much as possible include:

- Existing access points to the project will be utilized to avoid creating any new disturbance to the area.
- CIPP technologies are used to replace the existing sewer interceptor where it crosses Thunder Hills Creek, avoiding impact to the creek where the pipe crosses directly underneath, and reducing the potential impact of traditional open trenching construction methods for other locations where CIPP is utilized.
- Installation of the new sewer main will be within the existing access road where possible, limiting additional wetland buffer impacts.
- Project construction will occur during dry summer months, when ground and surface water are typically minimal.
- The improvements to the existing maintenance access road and the new maintenance access road elements (turnaround at 7+50, new access road across from PSE property station 16+00, and rebuilding the maintenance access road entrance at station 30+00) have been designed as narrow as possible to minimize permanent wetland buffer impacts.
- A narrower width path (seven feet compared to 12-foot road) will be used for specialized construction equipment on the northern portion of the project area.
- The improvements to most of the maintenance access road will be in the same location as existing, unmaintained maintenance access road to minimize impacts on existing vegetation in the combined wetland and stream buffer.
- The BMPs and measures described in the Temporary Erosion and Sediment Control (TESC) plan (provided with the project site plans) will be implemented throughout the duration of this project.

8b. Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

☒ Yes ☐ No

8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [\[help\]](#)

- **If Yes**, submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

☒ Yes ☐ No ☐ Don't know

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

The project proposes to mitigate for impacts to Stream G and temporary impacts to creek/stream buffers will be mitigated on-site rather than at the mitigation bank. This on-site restoration is warranted, as it will help to maintain existing buffering functions for Thunder Hills Creek and Streams A through G present at the site to the maximum extent feasible.

8e. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Fill	Thunder Hills Creek (Stream A)	In	Permanent	Approximately 11 cy large woody debris (root wad, log, treetop sections)	Approximately 219 sf
Fill	Stream G	In/Adjacent	Permanent	Approximately 56 cy (27.9 cy cut, and 27.8 cy added)	Approximately 55.5 sf

¹ If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

Approximately 11 cy of large woody debris will be anchored per large woody debris (LWD) plans (attached) along the lower section of Thunder Hills Creek (Stream A), extending approximately 250 feet upstream from the I-405 culvert inlet. LWD will consist of western red cedar trees sourced on site, as presented in the project civil engineering plans (attached), sheets 4 through 6.

All maintenance access road improvements will be constructed adjacent to Thunder Hills Creek and will generally be in the location of the existing maintenance access road. Due to the limited width of the project alignment, the contractor will be required to utilize small construction equipment for any filling activities related to the project. Approximately 27.83 cy of locally imported structural fill will be used along the eastern edge of Stream G as part of the maintenance access road improvement. Fill here will consist of sand and gravel (quarry spall 2" – 4") and less than 5% fines, with a maximum thickness of 12" and a minimum of 95% compaction.

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

Approximately 27.94 cy of soil along the eastern edge of Stream G will be removed as part of the maintenance access road improvement. Due to the limited width of the project alignment, the contractor will be required to utilize small excavation equipment to excavate and grade any existing paved or added paved areas. Excavated soil will be taken off site for local disposal via dump truck.

Part 9–Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [help]			
Agency Name	Contact Name	Phone	Most Recent Date of Contact
City of Renton	Dave Christensen	425-430-7212	November 2018
City of Renton	John Hobson	425-430-7279	February 2019
9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help] <ul style="list-style-type: none"> If Yes, list the parameter(s) below. If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: http://www.ecy.wa.gov/programs/wq/303d/. 			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help] <ul style="list-style-type: none"> Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC. 			
17110013 - Duwamish			
9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help] <ul style="list-style-type: none"> Go to http://www.ecy.wa.gov/water/wria/index.html to find the WRIA #. 			
Duwamish - Green watershed - Water Resource Inventory Area (WRIA) 9			
9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help] <ul style="list-style-type: none"> Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable			
9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help] <ul style="list-style-type: none"> If you don't know, contact the local planning department. For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html. 			
<input type="checkbox"/> Urban <input type="checkbox"/> Natural <input type="checkbox"/> Aquatic <input type="checkbox"/> Conservancy <input type="checkbox"/> Other: _____			
9g. What is the Washington Department of Natural Resources Water Type? [help] <ul style="list-style-type: none"> Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System. 			
<input type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input checked="" type="checkbox"/> Non-Fish Perennial – Thunder Hills Creek <input checked="" type="checkbox"/> Non-Fish Seasonal – Streams B through G			
9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help] <ul style="list-style-type: none"> If No, provide the name of the manual your project is designed to meet. 			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Name of manual: _____			

<p>9i. Does the project site have known contaminated sediment? [help]</p> <ul style="list-style-type: none"> If Yes, please describe below. <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>9j. If you know what the property was used for in the past, describe below. [help]</p> <p>Based on Google Earth images that go back as early as July 1990, the project site and adjacent parcels do not appear to have changed. The same streets, apartment complexes, I-405 and commercial properties are in the same locations that they are in 2018.</p>
<p>9k. Has a cultural resource (archaeological) survey been performed on the project area? [help]</p> <ul style="list-style-type: none"> If Yes, attach it to your JARPA package. <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [help]</p> <p>No ESA listed species are known to occur in the immediate vicinity of the project area. A query of the U.S. Fish and Wildlife IPaC Trust Resources Database (draft report attached with this application) indicated that four federally threatened species, one federally proposed threatened species, and 13 species of migratory birds could potentially be located near the site. The federally threatened species that were noted in the IPaC report include bull trout, marbled murrelet, streaked horned lark, and yellow-billed cuckoo. The proposed threatened species that was noted in the IPaC report is the North American wolverine. The database indicated that there is no critical habitat for any of these species found within the project location. The Watershed Company's No-Effect Letter Report (October 2017), concluded that due to lack of suitable habitat for the above listed species, these mammals and birds are not expected to be found in the action area.</p> <p>The 10 species of migratory birds identified as birds of conservation concern (BCC) that may be in the area include: bald eagle, great blue heron, lesser yellowlegs, long-billed curlew, olive-sided flycatcher, red-throated loon, rufous hummingbird, semipalmated sandpiper, short-billed dowitcher, and western screech-owl.</p>
<p>9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [help]</p> <p>A query of the Washington Department of Fish and Wildlife's Priority Habitats and Species lists on their web database/mapping system (http://apps.wdfw.wa.gov/phsontheweb/) indicated that no wildlife priority habitats or species are located in the project area and would therefore not be affected by the proposed work.</p>

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.oria.wa.gov/opas/>.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

☒ A copy of the SEPA determination or letter of exemption is included with this application.

☐ A SEPA determination is pending with (lead agency). The expected decision date is.

☐ I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)

☐ This project is exempt (choose type of exemption below).

☐ Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

☐ Other: _____

☐ SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

LOCAL GOVERNMENT

Local Government Shoreline permits:

☐ Substantial Development ☐ Conditional Use ☐ Variance

☐ Shoreline Exemption Type (explain): _____

Other City/County permits:

☐ Floodplain Development Permit ☒ Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

☒ Hydraulic Project Approval (HPA) ☐ Fish Habitat Enhancement Exemption – [Attach Exemption Form](#)

Washington Department of Natural Resources:

☐ Aquatic Use Authorization – n/a (not state-owned aquatic lands per WDNR email on 10-22-2018)

Complete [JARPA Attachment E](#) and submit a check for \$25 payable to the Washington Department of Natural Resources.

Do not send cash.

Washington Department of Ecology:

☒ Section 401 Water Quality Certification

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

☒ Section 404 (discharges into waters of the U.S.) ☐ Section 10 (work in navigable waters)

United States Coast Guard permits:

☐ General Bridge Act Permit

☐ Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application.  (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. _____ (initial)

David Christensen, City of Renton
Applicant Printed Name


Applicant Signature

2/5/2019
Date

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Kristi Rettmann, Stantec
Authorized Agent Printed Name


Authorized Agent Signature

2-5-2019
Date

11c. (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Property Owner Printed Name

Property Owner Signature

Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 07/2017