



## **SEPA ENVIRONMENTAL CHECKLIST**

**UPDATED 2016**

### **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:** [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

## **A. Background** [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)  
*Lacamas Creek Pump Station and Sewer Improvements*

2. Name of applicant: [\[help\]](#)  
*City of Camas*  
*Attention: Jim Hodges*



3. Address and phone number of applicant and contact person: [\[help\]](#)

*616 NE 4<sup>th</sup> Avenue, Camas, Washington 98607*

*(360) 817-7243*

*(360) 909-8031*

*[JHodges@cityofcamas.us](mailto:JHodges@cityofcamas.us)*

4. Date checklist prepared: [\[help\]](#)

*January 14, 2019*

5. Agency requesting checklist: [\[help\]](#)

*City of Camas*

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

*1) Phase I: Pump Station Replacement:*

- Construct new pump stations and sewers: July 2019 – August 2020.*
- Remove existing pump station and sewer pipe in Lacamas Creek: August 2020*

*2) Phase II: Lacamas Creek Trailhead Park Improvements:*

- To be determined, as funding becomes available*

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

*None at this time.*

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

- Biological Evaluation (Corps Reference Number: NWS-2018-907) – Ecological Land Services*
- Lacamas Creek Sewer Pump Station Mitigation and Restoration Plan (November 2018) – Ecological Land Services*
- Lacamas Creek Sewer Pump Station CAR (August 2018) – Ecological Land Services*
- Lacamas Creek Sewer Pump Station Buffer Mitigation and Restoration Plan (ELS 2019)*
- Shoreline narrative for Conditional Use Permit (ELS 2019)*
- Cultural Resources Survey of the Lacamas Creek Sewer Pump Station Project Area (Archeological Services of Clark County, 2019)*
- Preliminary Stormwater Plan for Lacamas Creek Trailhead Park Pump Station*
- Significant Tree Survey*
- Critical Aquifer Recharge Area Report*
- Application for a Southwest Clean Air Agency permit*

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. [\[help\]](#)

*No known governmental proposals at this time.*

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)



*Critical Areas Permit (City of Camas)*  
*Shoreline Substantial Development Permit and Shoreline Variance (City of Camas)*  
*Nationwide Permit 12 (Corps)*  
*Hydraulic Project Approval (Washington Department of Fish and Wildlife)*

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

*The Phase I project proposes to remove an old sewer pump station and associated piping in and near Lacamas Creek and construct two new pump stations and associated piping in the uplands above the ordinary high water mark of Lacamas Creek across the project area. The Phase II project proposes to construct park improvements at the existing Lacamas Creek Trailhead Park including a restroom facility, pedestrian sidewalk, stormwater swale, and pave the existing gravel parking lot.*

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. [\[help\]](#)

*The project is located in Camas, Washington, in tax parcel numbers 089800000, 089871000, 089872000, 089873000, 090910000, 090744000, 090924000, 091029000, and 124486000 within a portion of Section 12, Township 1 North, Range 3 East of the Willamette Meridian. The project site begins at NE 2<sup>nd</sup> Avenue and Joy Street, continues south to E 1<sup>st</sup> Avenue up to NE 3<sup>rd</sup> Avenue (includes Lacamas Creek Trailhead Park), east to NE 3<sup>rd</sup> Loop, continues south to Baz Park via NE 3<sup>rd</sup> Loop and includes a swath of area in the Lacamas Creek trail system .*

## **B. ENVIRONMENTAL ELEMENTS** [\[help\]](#)

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

a. General description of the site: [\[help\]](#)

(circle one) Flat, rolling, hilly, steep slopes, mountainous, other \_\_\_\_\_

*The site generally flat, except for the banks of Lacamas Creek, which slope steeply down to the ordinary high water mark.*

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

*The steepest slopes are along the banks of Lacamas Creek, where they are approximately 25 to 40 percent.*

- 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. [\[help\]](#)

*As referenced by the USDA Web Soil Survey, the predominant soils found in the project area are Olympic stony clay loam, 3 to 30 percent slopes; Sauvie silt loam, sandy substratum, 0 to 3 percent slopes; and Fill Land. Olympic stony clay loam is the main soil mapped north of 3<sup>rd</sup> Avenue where the Lacamas Creek Pump Station is proposed to be built. No soils onsite have been identified as agricultural land of long-term commercial significance. No soils will be removed for this project.*

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

*There are no surface indications of unstable slopes nor is there recent history. The Clark County Maps Online website maps landslide hazard areas within the project area and vicinity. North of NE 3<sup>rd</sup> Avenue, areas of potential instability and areas of historic or active landslides are mapped. Slopes greater than 15 percent are also mapped along the banks of Lacamas Creek, along the north side of NE 3<sup>rd</sup> Avenue, and on the south side of NE 3<sup>rd</sup> Loop.*

- 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. [\[help\]](#)

***Within the critical areas and their buffers:***

*The pump station and existing wetwell on the western bank of Lacamas Creek will be demolished 2 to 3 feet below ground level and filled with 130 CY of clean gravel to match existing grade. This will impact an area of approximately 285 square feet. The western bank of Lacamas Creek will then be stabilized with native soil and reseeded.*

*Underground pipes encased in concrete, which are exposed, will be removed, the exposed area filled with native fill, and seeded with a native seed mix, affecting an area of 235 square feet. Underground pipes will be flushed to remove contaminants before being filled with grout and abandoned, which will cause no new impacts. Manholes will be filled with clean gravel then topped with native backfill and seeded with native seed mix, impacting approximately 78 square feet. The 13 pilings at the OHWM of Lacamas Creek will be removed and streambed material will naturally fill in the remaining holes, affecting an area of approximately 9 square feet.*

*Excavation and grading will occur for the construction of the new pump stations; portions of this excavation and grading will occur outside of critical areas and their buffers, and portions will occur within critical area buffers. For the Lacamas Creek Trailhead Park pump station, approximately 3,100 CY of structural fill will be placed over an area of approximately 9,500 sf to relocate the vehicle access to the trailhead parking lot and create a level pad for the new pump station. For the Phase II park improvements, approximately 200 cy of material will be removed and 1,200 cy will be placed for construction of parking lot improvements, over an area of approximately 5,000 sf. A portion of this work will occur outside of critical area buffers, while 4,362 sf of stream buffer will be permanently impacted for this work, and 2,574 sf of stream buffer will be temporarily impacted for this work.*

***Outside critical areas:***

*Outside of critical areas, excavation will occur for the installation of the gravity sewer line and the force main sewer line within existing road footprints. Excavation and grading will also occur for the construction of the new pump stations. For the pump station at Baz Park, approximately 80 cy of material will be excavated for construction of approximately 2,500 sf of pavement area.*

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

*During removal and construction of the pump stations (Phase I), bare soils will be exposed, which could present erosion risk. Silt fences will be placed around the pump station prior to removing and around the work area for the two new pump stations. During Phase II bare soils will be exposed for construction of the parking lot and restroom facility. Silt fences will be placed around the construction areas. Post construction, bare soils will be seeded and mulched to prevent erosion. An erosion control plan for the portion of the project located outside of critical areas is included with the engineering plans.*

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

*At Baz Park pump station, approximately 20% of the upland area of the park property will be covered with impervious surface. At Lacamas Creek Trailhead Park, approximately 30% of the upland area of park property will be covered with impervious surface.*

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

*Best management practices (BMPs) will be implemented by the applicant for onsite erosion control including but not limited to:*

- *Minimizing vegetation removal or actions in disturbed areas during construction and operation, especially steep slopes or previous destabilized areas.*
- *Moistening exposed soils or applying stabilizing compounds.*
- *Placing straw, rip rap, or other materials to reduce exposure to the elements.*
- *Managing stormwater after construction is completed.*
- *Silt fences will be installed around all new construction and around the existing pump station prior to removal which will prevent sediment from washing into Lacamas Creek.*
- *After construction bare soils will be seeded.*

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

*Diesel-powered emergency back-up generators will be installed at each pump station. These generators will be operated during power failures and exercised for 10- 30 minutes on a weekly basis to ensure operability.*

*Minimal emissions may be produced during construction from the following (approximate quantities unknown):*

- Dust from construction within uplands,*
- demolition of pump station,*
- asphalt preparation,*
- concrete batching,*
- painting, surface coating, and*
- running equipment motors.*



- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

*There are no known off-site sources of emissions or odor that may affect the proposal.*

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

*If necessary, watering and stabilizing disturbed soils, and covering materials will be used to prevent emissions or impacts to air from dust. A SWCAA permit will be obtained prior to generator use for the project. Emission control measures for vehicles and equipment are regulated under the Camas City Code Standards, Washington State Department of Ecology (Ecology), and U.S. Environmental Protection Agency (EPA). It is anticipated that all vehicles and equipment will be in compliance with these regulations.*

### 3. Water [\[help\]](#)

#### a. Surface Water:

- 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. [\[help\]](#)

*The pump station and pipe removal activities take place in and near Lacamas Creek. This creek is designated as a Type S (shoreline of the state) waterbody and is permanently flowing. Lacamas Creek flows into the Washougal River, which flows into the Columbia River within a mile of the project area. The project also takes place within Wetland A and its buffer. Baz Park pump station will be constructed near Wetland A, a Category II, forested and emergent riverine system. Lacamas Creek Trailhead Park pump station and improvements will take place approximately 150 feet from Lacamas Creek.*

- 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. [\[help\]](#)

*The project will take place in and near Lacamas Creek, which cannot be avoided due the nature of the work. The pump station demolition on the western bank of the mouth of Lacamas Creek, south of NE 3<sup>rd</sup> Avenue, takes place within the critical areas buffer. Approximately 236 square feet of the pump station will be removed above the OHWM, and 49 square feet below the OHWM. In addition, approximately 220 feet of pier supported pipes running east from the pump station will be removed over Lacamas Creek. The excavator and trucks for demolition of the pump station will be staged above the OHWM. Silt fences will be installed around work areas. A boom and tarps will be deployed on the water to prevent any debris from entering the creek.*

*H-Piles below the OHWM will be removed with a vibratory hammer and transported offsite to be disposed of at a permitted location.*

*Baz Park and Lacamas Creek Trailhead Park pump stations will be constructed within 200 feet of wetlands and Lacamas Creek. Lacamas Creek Trailhead Park improvements; paving the existing gravel parking lot, construction of restrooms, and stormwater swale will take place within 200 feet of Lacamas creek.*

- 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. [\[help\]](#)



*No fill or dredge material will be placed in or removed from Lacamas Creek or wetlands. Manholes in wetlands will be filled with clean gravel acquired from a permitted, local, and clean source.*

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

*No surface water withdrawals or diversions are required as part of the proposed project.*

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

*The 100-year floodplain of Lacamas Creek and the Washougal River is mapped along Lacamas Creek, Washougal River, portions of Lacamas Creek Trailhead Park, and around Baz Park. A portion of the Phase I pump station structure and associated piping removal occurs within the 100-year floodplain. A small portion of the Phase II Lacamas Creek Trailhead Park improvements will occur within the 100-year floodplain and is shown on the site plan.*

- 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. [\[help\]](#)

*No waste materials will be discharged to surface waters. The old wet well and pipes will be pumped and cleaned prior to their removal to prevent any contamination of Lacamas Creek.*

b. Ground Water:

- 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. [\[help\]](#)

*No groundwater will be withdrawn from a well for drinking water or other purposes and water will not be discharged to the groundwater. For the improvements at Lacamas Creek Trailhead Park, stormwater will be infiltrated into soils approximately 10' above the groundwater table. Prior to infiltration, the stormwater will be cleaned by routing it through rain gardens or other stormwater management BMP's as allowed by the Camas Stormwater Code.*

- 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. [\[help\]](#)

*No waste material will be discharged into the ground. The old wet well and pipes will be pumped and cleaned prior to their removal to prevent any contamination of Lacamas Creek. The new pump stations, restrooms and pavement will be constructed in the uplands and will be connected to public sewer.*

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. [\[help\]](#)



*This project will construct new pavement surfaces for the pump stations at Baz Park and Lacamas Creek Trailhead Park, and for the visitor parking area and restroom building at the Lacamas Creek Trailhead Park. Stormwater runoff from the new pavements will be managed in accordance with the stormwater regulations required by the Camas Municipal Code. The stormwater runoff at Baz Park pump station will sheet flow from new paving into the surrounding park area, where it will then infiltrate into the ground. The stormwater runoff at Lacamas Creek Trailhead Park will be collected and treated in rain gardens, then routed to a subsurface gravel gallery for detention and infiltration.*

2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

*It is possible that waste materials could enter groundwater surface through infiltration at Lacamas Creek Trailhead Park. To prevent waste material from reaching surface and ground waters, best management practices (BMPs) will be employed. These BMP's include utilizing rain gardens to treat the stormwater prior to infiltration and infiltrating the stormwater into soils that provide additional treatment. Subsurface investigations will be completed to identify the soils that provide the desired treatment. Approximately 10' of soil separation will be maintained between the water table and infiltration gallery.*

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

*The project will not alter drainage patterns.*

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

*Stormwater runoff will be managed in accordance with the Camas Stormwater Manual. During construction BMPs will be employed to ensure that surface, ground and runoff water, and drainage patterns are not negatively impacted. In addition, unvegetated areas will be mulched and seeded to prevent direct runoff impacts to Lacamas Creek.*

4. **Plants** [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

- ☒ deciduous tree: alder, maple, aspen, other
- ☒ evergreen tree: fir, cedar, pine, other
- ☒ shrubs *Pacific willow, nootka rose, Himalayan blackberry*
- ☒ grass *Reed canarygrass*
- ☐ 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 *Woody vines: trailing blackberry*

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)



*8 Cypress trees will be removed for the pump station at Trailhead Park; the tree removal will be mitigated for by way of buffer enhancement. Small shrubs and grasses will be removed for construction of the park improvements and pump station facilities. Only grasses will be removed for the pump station at Baz Park. Removal of pipes and the pump station have the potential to remove some herbaceous plants; however, any bare soil areas will be revegetated after construction is complete.*

- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

*Oregon white oak trees, which are a protected habitat by WDFW, are located on and near the project site. These trees will be protected during construction.*

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

*For the removal of the old pump station and pipes any bareground will be planted with a native seed mix. As part of the buffer mitigation plan for work done at Lacamas Creek Trailhead Park native plantings will be installed.*

- e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

*Reed canarygrass (*Phalaris arundinacea*) and Himalayan blackberry (*Rubus armeniacus*), are invasive species known to be within the project area.*

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

Examples include:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other mice, raccoon, squirrel, rabbit

fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

*There is designated critical habitat for Coho, chum, lower Columbian River Steelhead DPS, and lower Columbian River Chinook ESU (Federal Registers 2016 and 2015). No critical habitat for terrestrial species are mapped in the project area.*

- c. Is the site part of a migration route? If so, explain. [\[help\]](#)

*The site is part of the Pacific Flyaway migration route.*

- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

*The overwater pipe and supporting piles will be removed from Lacamas Creek, and the existing pump station building that lies along the creek will also be removed. For the work proposed in and near Lacamas Creek the following measures will be implemented:*

- *Existing piles will be removed from the creek area with a vibratory hammer. Vibratory pile removing only creates small amounts of suspended sediment, which will be temporary, and will not likely be detectable at 100 feet from the project area.*
- *Removal work will occur within the in-water work window.*
- *Demolition debris from the pump station will be contained and not allowed to enter the creek.*



- All impacts will be temporary.

*There will be no indirect effects to listed species and restoration efforts will have a beneficial effect to habitat in the long-term.*

*Any riparian buffer impact will be mitigated for to provide an overall ecological lift for post project conditions.*

- e. List any invasive animal species known to be on or near the site. [\[help\]](#)

*There are no known invasive animal species known to be on or near the site.*

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

*Electricity will be used to power the pump stations. Emergency standby generators will be diesel fueled.*

- b. Would your project affect the potential use of solar energy by adjacent properties?  
If so, generally describe. [\[help\]](#)

*The project would not affect the potential use of solar energy by adjacent properties as there will be no vertical structure adjacent to any homes to "shade out" surrounding areas.*

- 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: [\[help\]](#)

*There are no anticipated energy impacts from the project, so no energy conservation features are included in the plans of this proposal.*

## 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.

*There is some risk of contamination from wastewater overflow if there is a failure at either of the pump stations. However the purpose of the project is to replace an older pump station that has experienced failure in the past. The new pump stations will be equipped with products that have demonstrated reliability and are far less susceptible to failure than the existing. Emergency backup generators will be installed on site of each pump station to provide backup electricity during power failures.*

*There is some risk of contamination from release of wastewater that has been within the wet well and pipes during their removal. To prevent contamination, pipes and wetwell will be flushed before removal. Prior to demolition of the pump station building, a hazardous materials survey will be completed to identify if any exist. If any hazardous materials are found in the building, they will be removed prior to demolition in accordance with required rules and regulations.*

- 1) Describe any known or possible contamination at the site from present or past uses.  
[\[help\]](#)

*There is no known contamination at the site.*

- 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. [\[help\]](#)

*The closest gas pipelines are approximately 0.5 miles away from the southwestern extent of the project area (NE Joy Street) and approximately 0.3 miles away from the southeastern extent (Baz Park) and should not pose a risk for any of the proposed activities. No other pipelines or pipeline accidents are mapped in the vicinity of the project area.*

- 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. [\[help\]](#)

*No toxic or hazardous chemicals are anticipated to be stored, used, or produced during the project's development or construction, or anytime during the operating life of the project.*

- 4) Describe special emergency services that might be required. [\[help\]](#)

*The proposed project will not store, use, or produce hazardous waste materials, so there are no hazardous waste emergency services required.*

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

*There are no anticipated environmental health hazards for this project, so no measures are proposed.*

b. Noise [\[help\]](#)

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

*Noise in the area currently consists of vehicle noise from the major roads within the project area and noise from human recreation on the trails throughout Baz Park and Trailhead Park. Noise levels from the road and human recreation is likely higher during daylight hours. These sources of noise will not 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. [\[help\]](#)

*In the short-term, noise will be generated by construction activities onsite. Heavy equipment will be needed for removal of the old pump station and pipes as well as the construction and installation of the new pump stations, pipe systems under the roadways and park improvements. These activities will produce in-air construction noise. Intermittent in-air and underwater noise will also be produced while removing the H-Piles from Lacamas Creek with a vibratory hammer. This noise will occur for approximately 2 weeks. Construction activities are proposed to occur for approximately one year, from August 2019 to August 2020, during daylight hours only.*

*Deisel-powered emergency backup generators will be installed at both pump stations. These backup generators are needed in case of power outages and will be used for pump station operation during these outages. The timing, frequency and duration of the possible power outages are unknown. In addition, the generators will be*



*exercised on a weekly basis for up to 10-30 minutes to ensure operability. This will occur during normal work hours. A SWCAA permit will be obtained prior to generator use for the project.*

*After construction activities are complete, noise levels should return to previous levels. No new recreational or residential facilities are proposed in this area so human use should not increase.*

3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

*Noise impacts are anticipated to be very minimal; however, the project will limit operation time to typical construction hours of 7am to 5pm. Noise attainment will be provided for the emergency backup generators, and noise levels will be in compliance with City of Camas Municipal Code standards.*

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. [\[help\]](#)

*The proposed activities are in an area which has mixed zoning varying from park space, residential, and commercial use. Along Lacamas Creek, north of NE 3<sup>rd</sup> Avenue, is open space where the Lacamas Creek Pump Station is proposed. East of this area is residential development, zoned as R-15 (single-family low) and R-12 (single-family medium). West of Lacamas Creek, south of NE 3<sup>rd</sup> Avenue, is Luis Bloch Park, community commercial development, and single-family residences along the creek (MF-18 – multifamily high zoning). East of Lacamas Creek, south of NE 3<sup>rd</sup> Avenue, is forest which is developed with trails for recreational use. This area is zoned for multifamily development (MF-10) and open space. Commercial development lies north of NE 3<sup>rd</sup> Loop.*

*The proposal will not affect current land uses, but will provide sewer services to nearby homes and businesses.*

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? [\[help\]](#)

*The project site has not been used as working farmlands or working forest lands in recent history, which can be confirmed by historical aeriels. The project does not propose to change the use of the land in the project area and will not impact any agricultural or forest lands.*

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: [\[help\]](#)

*There are no forest lands or farmlands in the vicinity of the site, so the proposal will not affect or be affected by operations involved in these industries.*

c. Describe any structures on the site. [\[help\]](#)



*The only structures onsite are the pump station, pipes, and H-Piles, which are discussed in the sections above. The pump station is built along the western bank of Lacamas Creek, south of NE 3<sup>rd</sup> Avenue. A pipe extends east of the pump station and is supported by steel H-Piles.*

- d. Will any structures be demolished? If so, what? [\[help\]](#)

*The pump station, exposed pipes, and H-piles will be removed.*

- e. What is the current zoning classification of the site? [\[help\]](#)

*The zoning is varied within the project area. The site is zoned as Open Space (OS), Multifamily-low (MF-10), Multifamily-high (MF-18), and Regional Commercial (RC). Much of the project occurs on roadways. The zoning is discussed in more detail above (8. a.).*

- f. What is the current comprehensive plan designation of the site? [\[help\]](#)

*The area north of NE 3<sup>rd</sup> Avenue is designated as Open Space/Green Space and Park. The area south of NE 3<sup>rd</sup> Avenue and north of E 1<sup>st</sup> Avenue is classified under Park and Commercial designation. South of E 1<sup>st</sup> Avenue is Multi-Family High. East of Lacamas Creek (south of NE 3<sup>rd</sup> Avenue) is an area designated as Multi-Family Medium, which abuts Open Space/Green Space. The area between NE 3<sup>rd</sup> Loop and NE 3<sup>rd</sup> Avenue is under Commercial designation.*

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

*The area on the west bank of Lacamas Creek (north of NE 3<sup>rd</sup> Avenue) is designated as Urban Conservancy and the east bank is designated as Natural. Portions of the area adjacent to the western bank of Lacamas Creek (south of NE 3<sup>rd</sup> Avenue) are designated as Medium Intensity. The area on the east side of Lacamas Creek is designated as Urban Conservancy.*

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

*The area west and east of Lacamas Creek has been mapped by Clark County as wetland and floodway fringe, which covers some of the site. Medium Intensity, Natural, and Urban Conservancy shoreline designation is also mapped throughout the site east and west of Lacamas Creek. In addition, Riparian Habitat Conservation Areas are also mapped through the majority of the study site.*

- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

*The proposed project will not create any homes, so no one would reside in the completed project area. The new pump stations will be maintained by utility workers, but there should not be a significant increase in workers onsite regularly.*

- j. Approximately how many people would the completed project displace? [\[help\]](#)

*The project will not change the usage of the land within the project site; therefore nobody will be displaced by the proposed activities.*

- k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

*The project will not displace anyone, so no measures to avoid or reduce displacement impacts are needed.*



- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

*The proposed project is included in the City of Camas' Comprehensive Sewer Plan and will update the existing sewer system in this area by removing the outdated pump station, old pipes, and decommissioning the underground pipes and manholes. This will restore the critical areas to a more natural state. The old structures will be replaced with new pump stations and pipes to help support the properties nearby. This is compatible with the existing and projected land uses for the surrounding area which includes commercial and residential development. This area will likely grow in coming years and will need a reliable sewer infrastructure.*

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

*The proposed project does not anticipate impacts to agricultural or forest lands of long-term commercial significance, so no measures are proposed.*

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

- a. Approximately how many units would be provided, if any? Indicate whether high, mid- dle, or low-income housing. [\[help\]](#)

*The proposed project is for an update to the city sewer infrastructure, so it will provide no housing.*

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

*The proposed project will eliminate no units.*

- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

*The project does not anticipate any housing impact, so no measures are proposed.*

## 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? [\[help\]](#)

*The pump stations will be approximately 8- feet tall and the restroom facility will be approximately 12- feet tall*

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

*No views are anticipated to be altered or obstructed.*

- b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

*Landscaping will be planted to screen the views from the street to the pump station. Building materials for the pump station and restroom will be compatible with materials typically associated with structures in parks. Removal of the existing pump station and overwater pipe will improve views of the watershed.*

## 11. Light and Glare [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

*Minimal outdoor lighting will be provided for the pump station and restroom. Lighting will be wall-mounted and shielded to minimize impacts.*

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

*No. All lighting will be wall-mounted and oriented downward with shielding to prevent light trespass beyond the immediate area.*

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

*Existing off-site sources of light and glare are street lights and passing vehicular lights. It is not anticipated that these sources will affect the proposal.*

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

*As the project is not anticipated to create light and glare impacts, no measures are proposed.*

## 12. Recreation [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

*Baz Park and Lacamas Creek Trailhead Park both have nearby trails. Louis Bloch Park, which has a baseball field, playground, and picnic areas, is located at the corner of NE Joy Street and E 1<sup>st</sup> Avenue, where part of the project will take place. Walking trails, including the Washougal River Greenway Trail, also run throughout the forested portions of the site (north and south of NE 3<sup>rd</sup> Avenue).*

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

*The proposed project will not displace any existing recreational uses. During construction, there will be construction near these areas which may make it more difficult to access these areas for a short time. However, these impacts will be temporary.*

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

*Construction work will be staged to minimize impacts to parking lots used by park visitors. Any impacts to recreation will be minimal and temporary, so no measures to reduce or control are needed.*

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

*Yes. The pump station building is over 45 years old, but is believed to be not significant in terms of its architectural character and not eligible for listing to any national, state, or local historic registers. There is also a high probability of cultural artifacts occurring within the project site, as mapped by Clark County GIS. Two archaeological sites have been previously recorded within the project area. A cultural resources study will be performed for the project area.*

- 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. [\[help\]](#)

*Previous archeological investigations have found archaeological artifacts within a portion of the project area. Clark County GIS indicates that there is a moderate-high chance that a cultural resource area could be within the site or its vicinity. A cultural resource study is being conducted by Archeological Services to assess the project's potential to impact these 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. [\[help\]](#)

*The Washington Informational System for Architectural and Archaeological Records Data (WISSARD), Clark County GIS mapping tools, and a cultural resources survey will be consulted to analyze potential cultural or historic resources onsite. Consultation with tribes will be conducted. Archeological investigations will be completed and will include shovel tests within the Area of Potential Effects (APE). In addition, the project is subject to Section 106 of the National Historic Preservation Act, which requires a federal review of the project's impacts to cultural resources, including meaningful government-to-government consultation with the affected tribes. A cultural resources survey meant to assist in the Section 106 review and to comply with City of Camas and Washington State cultural resource reporting requirements is in process.*

- 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. [\[help\]](#)

*If the project is determined to have a likely adverse effect to cultural resources, measures to avoid and/or minimize those impacts will be sought. Section 106 requires some type of mitigation in the event the project is determined to have an adverse effect upon resources that are listed on, or eligible for listing on, the National Register of Historic Places. If the lead federal agency conducting the Section 106 review determines this to be the case, appropriate mitigation strategies will be formulated through consultation with affected parties who will enter into a Memorandum of Agreement regarding the agreed-upon mitigation.*

*In addition to avoidance, other strategies for minimizing impacts may include, but not be limited to: archaeological monitoring during project construction, public education and outreach, and archaeological data recovery.*

*If items of cultural significance are inadvertently found during construction, the project will halt and appropriate agencies will be immediately notified, and avoidance measures will be made available. Depending on what is found during investigations, appropriate mitigations will be developed and may include avoidance or minimization of ground disturbance, archeological monitoring during construction, or establishment of a Memorandum of Agreement with the tribes.*

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

*The proposed activities will take place on NE 3<sup>rd</sup> Avenue, NE Joy Street, E 1<sup>st</sup> Avenue, and NE 3<sup>rd</sup> Loop*

- 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? [\[help\]](#)

*The site is served by public bus which runs along NE 3<sup>rd</sup> Avenue. The closest stops are within the project area at the corner of NE 3<sup>rd</sup> Avenue and NE 3<sup>rd</sup> Loop and NE 3<sup>rd</sup> Avenue and E 1<sup>st</sup> Avenue.*

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

*There will be a loss of approximately 3 unmarked parking spaces at Baz Park. No parking spaces will be either lost or gained at Lacamas Creek Trailhead Park.*

- 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). [\[help\]](#)

*No street improvements are included as part of the project.*

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

*The project will not use or occur in the immediate vicinity of water, rail, or air transportation.*

- 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? [\[help\]](#)

*To provide maintenance to the pump stations and restroom facilities it is anticipated there will be approximately two additional vehicle trips on average per day.*

- 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. [\[help\]](#)

*The proposal will not interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area.*

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

*The proposed project does not anticipate impacts to transportation, so no measures are proposed*

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

*The proposed project will not create any new homes, businesses, or change the usage of the site so will not require an increased need for public services.*

- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)



*The proposed project does not anticipate impacts on public services, so no measures are proposed.*

**16. Utilities** [\[help\]](#)

- a. Circle utilities currently available at the site: [\[help\]](#)  
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other \_

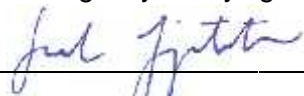
*The project is centered on updating the sewer pump stations and pipes in this area to better serve the surrounding businesses and residences.*

- 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. [\[help\]](#)

*The project proposes to remove the old pump station, remove exposed pipes, and fill and abandon manholes and underground pipes. Two new pump stations will be installed to replace the old one, and pipes will be replaced. The City of Camas is the utility purveyor.*

**C. Signature** [\[help\]](#)

Under the penalty of perjury, the above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee: Sarah Fitzpatrick

Position and Agency/Organization: Biologist/Ecological Land Services, Inc. Date Submitted: 2-4-2019





## D. supplemental sheet for nonproject actions [\[help\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:



5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.