City of Sumner

Purpose of checklist:
The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." in addition, complete the supplemental sheet for nonproject actions (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

REVIEW #1

SEPA-2025-0007

A. Background

1. Name of proposed project, if applicable: *Biosolids Modernization Project, which will replace existing biosolids treatment system facilities that are either capacity-limited or reaching the end of their service life.*

   This SEPA Checklist is intended to analyze the impact associated with the Biosolids Modernization Project construction.

2. Name of applicant: *City of Sumner, Washington*

3. Address and phone number of applicant and contact person:
   City of Sumner Public Works Department
   1104 Maple Street, Suite 260, Sumner Washington 98390
   Contact: Michael Kosa, P.E., Public Works Director, 253-299- 5709, MichaelK@sumnerwa.gov

4. Date checklist prepared: *March 18, 2025*

5. Agency requesting checklist: *City of Sumner*

6. Proposed timing or schedule (including phasing, if applicable):
   - *Bids for the equipment procurement for the biosolids drying equipment were received in April 2024. The low bidder is under contract. All equipment included in the procurement contract will be incorporated into the construction project.*
   - *The biosolids drying system equipment will be delivered no later than November 2025.*
   - *The construction project is anticipated to begin in Spring 2025 and the project will be completed in Winter 2026.*

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

   - *The need for this project was the subject of the 2023 City of Sumner Wastewater Treatment Facility Comprehensive Facility Plan Addendum No. 3(Addendum No. 3). Addendum No. 3 reviewed design alternatives for improvements to the existing Class A biosolids treatment system and other biosolids handling equipment to address replacement of aging equipment and anticipated increases in flow and loads to the City of Sumner Wastewater Treatment Plant (WWTP).*
   - *The City of Sumner constructed the WWTP at its current location in 1955. The City has completed WWTP upgrades in 1972, 1986, 2003 and 2013 to accommodate growth and expansion of the service areas. The present project (Biosolids Modernization Project) is designed to provide adequate biosolids treatment for Sumner and Bonney Lake through 2044 (G&O Technical Memorandum, "Biosolids Dryer Alternatives Analysis and Selection", December 21, 2022).*
   - *Following the requirements of the facility NPDES permit and the Department of Ecology procedures additional addenda will be prepared as necessary to accommodate growth in the service area and the need to replace aging equipment.*

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

- *2023 City of Sumner Wastewater Facility Comprehensive Facility Plan Addendum No. 3.*
- *Geotechnical Review will be prepared by PanGeo, Inc. PanGeo reviewed the Geotechnical Engineering Service Report for the Sumner Wastewater Treatment Plant, Geoengineers, April 18, 2013, to provide recommendations for building and structure foundations.*
- *A Cultural Resources Assessment has been prepared by Cultural Resource Consultants, LLC.,"Cultural Resources Overview for the Sumner Wastewater Treatment Plant Solids Handling Building Addition Project, Sumner, Pierce County, Washington, January 9, 2025.*

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.
   - *None known.*

10. List any government approvals or permits that will be needed for your proposal, if known.
    - *Shoreline Substantial Development Permit Application (required for construction within 200 feet of either the White or Puyallup rivers, or the floodway of either river).*
    - *Shoreline Variance (required for improvements located within the 200 foot wide Urban Conservancy Buffer for the Puyallup and White Rivers)*
    - *Shoreline Conditional Use Permit application (required for utility improvements in the Urban Conservancy Environment per SMC 16.14.060).*
    - *Zoning Conditional Use Permit (required for upgrading the WWTP within the Low Density Residential Zone (LDR) per SMC 18.12.050(F)).*
    - *Habitat Management Plan (required per SMC 16.56.080 to assess potential project effects on fish and wildlife habitat)*
    - *Notice of Construction (NOC) Approval - Puget Sound Clean Air Agency.*

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

    The Biosolids Modernization Project will replace components of the existing Class A biosolids treatment system at the City's WWTP that are either capacity-limited or reaching the end of their service life. The following figures are included with this checklist: Figure 1 –Location Map and Vicinity Map, Figure 2 – Existing Site Plan, Figure 3 – Proposed Site Plan, Figure 4 – Proposed Site Piping Plan. The complete project includes:
    - *Expansion of the existing Solids Handling Building to house the new biosolids drying equipment including the thermal fluid heater, biosolids dryer, dried biosolids screening, cooling and conveyance systems. The building expansion will be a single-story structure, equal in height to the existing Solids Handling Building and will be separated into two rooms. The expansion will be located on the south side of the Solids Handling Building.*
    - *Demolition of the existing Sludge Haul Truck Loading Bay on the south side of the Solids Handling Building, along with the existing canopy/roof structure adjacent to the Sludge Haul Truck Loading Bay.*
    - *Install the following new/replacement equipment in the Solids Handling Building and building expansion.*
      - ✓ *New dewatered biosolids conveyors;*
      - ✓ *A new dewatered biosolids cake pump to feed the new dryer;*
      - ✓ *A new indirect biosolids dryer;*
      - ✓ *Two new thermal fluid heaters each capable of utilizing either digester gas or natural gas along with the associated thermal fluid pumping systems;*
      - ✓ *Dried biosolids conveyance, cooling and screening systems;*
      - ✓ *Replacement of the existing sludge storage hopper augers and drive motors;*
      - ✓ *New waste activated sludge thickening system including a rotary screen thickener,*

sludge pumps, and polymer system;
- ✓ *New in-line sludge grinders on the suction side of the digester recirculation pumps;*
- ✓ *New restroom;*
- ✓ *Odor control system modifications.*

- *Construction of a new Sludge Haul Truck Loading Bay on the south side of the new Solids Handling Building Expansion, including truck scales, automation of load distribution in the haul truck bed/container, and dust control systems.*
- *Construction and subsequent demolition of a temporary Sludge Haul Truck Loading Bay for use during the demolition of the existing Sludge Haul Truck Loading Bay and the construction of the new Solids Building Expansion and Loading Bay.*
- *Demolition of existing dissolved air floatation thickener and associated equipment in the Equipment Building 2.*
- *Replacement of the existing rotary lobe thickened primary sludge pumps with a new progressing cavity pump.*
- *Raise the walls of the existing centrate holding tank an additional 6 feet and removal and reinstallation of the existing mechanism bridge and covers once the walls have been raised.*
- *New digester gas compressor and treatment system, including H_2S and moisture removal.*
- *New 4-inch enclosed waste gas burner that will meet all applicable Puget Sound Clean Air Agency regulations.*
- *Install new/relocated/modified process and yard piping, including drains, potable water, natural gas, digester gas, sludge, non-potable water and stormwater piping.*
- *Install new power distribution, controls and instrumentation systems for all modified and new treatment plant components. New motor control equipment will be installed in the existing Solids Handling Building Electrical Room or in the existing generator room that will be repurposed into a new electrical room.*
- *Demolish existing diesel fuel storage tank.*
- *Install a new diesel generator to provide standby power to the portions of the liquid stream system that are powered from the Solids Handling Building and to critical solids handling components. The generator will be housed in a stand-alone weatherproof acoustic enclosure with sub-base fuel storage.*
- *Pave currently pervious areas within the WWTP site including approximately 670 sf north of the UV Disinfection Facility and 220 sf between the new generator and the Solids Handling Building expansion.*
- *Install a gate across State Street and fence the north parking lot area to provide added security for the WWTP. The gate will be installed at the south end of State Street after the existing crosswalk, at approximately the intersection of State Street and 63rd Street E. Install a paved vehicle turn-around in the vicinity of the new gate on State Street. New paved area: approximately 1,180 sf.*
- *Remove 18 ornamental shrubs, two fruit trees, one cedar tree and 3 pine trees. Plant native trees and shrubs, at a 2:1 ratio, to mitigate for the removal of vegetation.*

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

The project is located in the City of Sumner WWTP located at 13114 63rd Street East, Sumner, Washington 98390 near the confluence of the Puyallup and White rivers, just west of downtown Sumner at LAT 47°11'58.46"N, LON 122°15'15.26" W in Section 23 of Township 20 North, Range 4 East. Figure 1 –Location Map and Vicinity Map.

The improvements to the WWTP will all be located on Parcel 4250001210. The vehicle turn-around will be located on Parcel 4250001080.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other

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

The Sumner WWTP site is fairly flat, gently sloping toward either the White or Puyallup River. The steepest slopes on the site are associated with levees and berms protecting the WWTP. These slopes approach 30% and are situated outside the perimeter floodwall that surrounds the WWTP.

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 prime farmland.

According to the 2002 Geotechnical Report prepared by GeoEngineers for the Sumner WWTP Site, alluvial deposits consist of gravel deposited in the riverbeds, which overlay mudflow deposits consisting of unsorted andesitic rock fragments in a clay or silt sand matrix. Deep borings indicated that the mudflow is located above older alluvial materials.

The WWTP was originally constructed in the 1950s. Farming may have occurred on or near the property prior to that time.

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

Steep slopes along the Puyallup and White rivers have the potential to slide during extended rain events. The relatively flat slopes at the WWTP are generally protected by levees and flood control berms/walls. However, both the White and Puyallup Rivers are dynamic potentially resulting in seasonal modifications to the shorelines around the facility.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Most of the proposed infrastructure improvements for the Biosolids Equipment Modernization Project will be installed within existing building/structures, so that only limited ground disturbance will be required. See Figure 2 – Existing Site Plan, Figure 3 – Proposed Site Plan and Figure 4- Proposed Site Piping Plan. Exceptions to this include:

- *The approximately 2,400 sf addition to the Solids Handling Building will be constructed on a concrete slab. Approximately 6-inch of foundation gravel will be located beneath approximately a 1-foot-thick concrete slab. Approximately 44 CY of gravel will be installed. Foundation gravel will be imported from a local gravel pit.*
- *The approximately 200 sf foundation slab for the new standby generator. Approximately 1-foot of foundation rock will be located beneath the 18-inch concrete slab.*
- *Additional foundation slabs for the H_2S scrubber tower, digester gas booster and moisture removal systems, and waste gas burner will also be constructed. These slabs will have a combined area of approximately 400 sf and will be placed on top of approximately 1-foot of foundation rock.*

- *Existing and new underground piped utilities will be installed. If the existing soil is not adequate for trench backfill imported fill from a local gravel pit will be used to backfill trenches. Existing grade will be reinstated after underground utility installation.*
- *Approximately 890 sf of existing graveled/ pervious grassed area within the WWTP site will be paved (north of the UV Disinfection Facility and between the generator and Solids Handling Building expansion). Approximately 7 inches of crushed surfacing will be placed under 2 inches of asphalt.*
- *Approximately 1,180 sf of existing pervious grassed area will be paved to create a vehicle turn-around at the terminus of the public access of State Street. Approximately 10 inches of gravel ballast will be placed under 6 inches of crushed surfacing and 4 inches of asphalt.*

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
   - *The limited amount of soil disturbance associated with the Biosolids Equipment Modernization Project may have the potential to result in erosion until the structures are completed and the surrounding sites are stabilized through paving or re-vegetation.*

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
   - *The existing site is approximately 51.7 percent impervious surface. The proposed improvements associated with the Biosolids Equipment Modernization Project, including the vehicle turn-around, will increase the amount of impervious surface by approximately 0.7 percent. The majority of the addition to the Solids Handling Building and other improvements will be constructed in locations that are already impervious.*

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
   - *Construction BMPs for the control of sedimentation and erosion will be implemented during project construction to minimize the potential for release of sediment laden runoff to the White or Puyallup rivers.*

Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.
   - *The existing dryer off gases are treated via a scrubber/condenser and biofilter. The airflow from the existing dryer off gas system is approximately 1,200 cfm. The new dryer will utilize a similar treatment system, but the off gas airflow from the new system will only be 300 cfm, which is 900 cfm less than the existing system. This reduced airflow will result in an increased detention time in the existing biofilter, which should improve the performance of the biofilter and reduce overall emissions at the WWTP.*
   - *The Sumner WWTP currently flares excess digester gas to the atmosphere in a candlestick style waste gas flare. The proposed Biosolids Modernization project will include a gas treatment system to reduce sulfur dioxide emissions. Treated gas will be sent to either a new enclosed-type waste gas flare or the gas compression system that will recover additional energy from the digester gas to heat the biosolids dryer. The new enclosed-type waste gas flare is the technology that results in the lowest emissions from burning waste gas.*
   - *Construction of the proposed improvements could generate dust during the summer months.*
   - *Construction equipment will generate exhaust from diesel and gas-powered machinery.*
   - *The new standby generator will be equal in size to the existing standby generator and should not impact overall emissions.*

b. Are there any off–site sources of emissions or odor that may affect your proposal? If so, generally describe.
   - *There are no known sources of off-site emissions that would impact construction or operation of the WWTP during or after construction of the Biosolids Modernization Project.*

c. Proposed measures to reduce or control emissions or other impacts to air, if any:
   - *All new or modified emission sources are required to use Best Available Control Technology (BACT) to reduce emission rates, regardless of emissions limits and standards. The plans and specifications for the Biosolids Modernization Project will follow all requirements to use BACT. Low emission equipment will be specified for the project.*

3. **Water**

a. Surface:

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.
   - *The City of Sumner WWTP is located just east of the confluence of the White and Puyallup rivers. Puget Sound is approximately 10.5 miles downstream.*

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.
   - *The majority of the Sumner WWTP is located within 200 feet of either the White or Puyallup rivers. The land disturbing work, construction of the slab for the Solids Handling Building addition, and underground piping modifications will be located within 200 feet of the water bodies. State Street in the vicinity of the WWTP is located within 200 feet of the White River. No work will take place over water.*

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.
   - *The National Wetlands Inventory WETLAND MAPPER Program did not identify wetlands or riparian areas at the Sumner WWTP Site. Previous inspection of the site by the City's Wetland Biologist determined that no jurisdictional wetlands are present, as the coarse soils in the area drain well and do not allow development of wetland soils or hydrology.*
   - *No fill or dredge material will be placed in or removed from surface water or wetlands during the construction of the Biosolids Modernization Project.*

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
   - *It is not anticipated that dewatering will be required during construction of the Biosolids Modernization Project since there will not be any deep excavations.*

5) Does the proposal lie within a 100–year floodplain? If so, note location on the site plan.
   The Sumner WWTP is located east of the confluence of the White and Puyallup rivers. According to FIRM Panel 5301470005D the project area is within the 100-year floodplain. The regulatory floodway (flood elevation between 52.6 ft and 51 ft (NAVD 88) is largely contained with the existing levees in this area and does not include the WWTP site. The top elevation of the exterior WWTP wall is 57 ft (NAVD 88). None of the proposed wastewater infrastructure improvements will be located within the floodway.

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.

The Sumner WWTP discharges municipal wastewaters treated to secondary standards to the White (Stuck) River at LAT 47°12'01"N, LON 122°15'16"W in accordance with National Pollutant Discharge Elimination System (NPDES) Permit No. WA-002335-3.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

- *It is not anticipated that groundwater will need to be withdrawn to complete the shallow excavations that will occur during construction of the Biosolids Modernization Project.*

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals… ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

- *No wastewater will be discharged to the ground during construction of the Biosolids Modernization Project.*

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.

- *Runoff from the Sumner WWTP is generally the result of rainfall on impervious surfaces. Stormwater collected and generated in the project site (western portion of the WWTP) is collected in a piped system and conveyed to a stormwater treatment system prior to discharge to the White River. Stormwater from the roof of the Solids Handling Building expansion will be routed to this system. A small portion of the new roof area (590 sf) of the Solids Handling Building expansion may slightly increase stormwater runoff. The majority of the Solids Handling Building expansion will not increase the existing amount of stormwater runoff since the area where this building expansion will be located is currently paved. The addition of approximately 890 sf of new paved surfaces within the WWTP may slightly increase stormwater runoff. Runoff from the new paved surfaces and the portion of the Solids Handling Building expansion that will be located in a currently pervious area will be directed to the existing stormwater collection/treatment system. Stormwater runoff from State Street/63 Street E/parking lot is directed to an outfall into the White River. The paved vehicle turn-around (approximately 1,180 sf) will drain to this outfall.*

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

- *BMPs will be instituted to prevent materials entering ground or surface waters via stormwater runoff during or after construction of the Biosolids Modernization Project. Runoff from material storage areas will be directed to the stormwater collection system and treatment system prior to discharge to the White River.*

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

- *Construction BMPs for the control of sedimentation and erosion will be implemented to minimize the potential for adverse impacts to water quality in the White and Puyallup rivers.*

4. **Plants**

a. Check or circle types of vegetation found on the site:
X deciduous tree: alder, maple, aspen, other fruit
X evergreen tree: fir, cedar, pine, other
X shrubs
X grass
pasture
crop or grain
wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other
other types of vegetation

b. What kind and amount of vegetation will be removed or altered?
Approximately 670 sf of paving will be installed in a currently graveled/grass/shrubs area to the north of the UV Disinfection Facility. Approximately 220 sf of paving will be installed in an existing grassed area between the generator and the expansion of the Solids Handling Building. Approximately 570 sf of the Solids Handling Building expansion will be located in an existing grassed area. 18 ornament shrubs and two fruit trees will be removed for the construction of the Solids Handling Building expansion. In addition, one cedar tree and 3 pine trees located adjacent to the main WWTP parking lot/63rd Street East will be removed. These trees prevent the WWTP security cameras from having an unobstructed view.

The vehicle turn-around adjacent to State Street will be installed in an existing grass area.

c. List threatened or endangered species known to be on or near the site.
None known.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
36 native shrubs and 12 native trees will be planted to replace the 18 ornamental shrubs, two fruit trees, one cedar tree and three pine trees that will be removed. All vegetation that will be removed is located within the upland developed portion of the WWTP. The replacement ratio for shrubs and trees is 2:1.

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:
birds: hawk, heron, eagle, songbirds, other: waterfowl
mammals: deer, bear, elk, beaver, other: skunk, opossum, squirrel,
fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.
Puget Sound chinook salmon, Puget Sound steelhead, Puget Sound bull trout, Marbled murrelets, Streaked Horned Lark, Yellow-billed Cuckoo, Northwestern Pond Turtle and Monarch Butterfly are ESA-listed as "Threatened" or "Proposed Threatened", as potentially located within the vicinity of the WWTP (Township 20 North, Range 4 East, Section 23). It is unlikely these species would be affected by the construction or operation of the Biosolids Modernization Project improvements at the WWTP.

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

- *The Sumner WWTP is located in the Pacific flyway bird migratory route.*
- *Salmon, trout, bull trout, lampreys, sturgeon, and other fish species may migrate past the WWTP in the White or Puyallup rivers.*
- *Marble murrelets may migrate past the WWTP along the White or Puyallup rivers during the daily feeding migrations.*

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

- *Erosion and sediment control BMPs will be instituted during construction to prevent sediment laden stormwater runoff from discharging to the White and Puyallup rivers.*

- *Construction hours will be limited to weekdays from 7:00 AM to 6:00 PM in accordance with SMC 15.34.010.*
- *Construction equipment will be muffled.*

6. **Energy and natural resources**

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.
   - *Electrical energy will be used to power pumps, blowers, rotary drum thickener, conveyors and process control equipment.*
   - *Gas produced on-site in the anaerobic digester will be utilized in conjunction with natural gas to support the heat demand of the anaerobic digester and the biosolids dryer.*

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.
   - *The majority of the proposed improvements in the Biosolids Modernization Project are located in existing buildings. The new addition to the Biosolids Handling Building will be one-story and will not create a shading impact on adjacent properties. The project will not affect the potential use of solar energy by adjacent properties.*

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:
   - *Energy-efficient motors will be specified for all new equipment.*
   - *Digester gas generated on-site will be used to heat the anaerobic digesters and biosolids dryer.*

7. **Environmental health**

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.
   - *The only environmental health hazard associated with construction of the proposed Biosolids Modernization Project would be the temporary increase in fuels, coolants and lubricants in equipment employed to construct the improvements.*

   1) Describe special emergency services that might be required.
      - *The Sumner Fire Department would be advised of the proposed Biosolids Modernization Project construction, but no need for special emergency services is anticipated.*

   2) Proposed measures to reduce or control environmental health hazards, if any:
      - *This project will replace equipment that is nearing the end of its useful design life. By installing new, up-to-date equipment the potential for environmental health hazards due to malfunctioning equipment is lessened.*
      - *Construction equipment will be equipped with emergency spill clean-up kits and construction crews will be trained in their use to prevent exposure to hydraulic fluids, diesel fuel and gasoline.*
      - *Construction equipment will be fueled and maintained at a site remote from sensitive areas along the shorelines of the White and Puyallup rivers to minimize the potential for spills of hazardous materials.*

b. **Noise**

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

- *Noise in the area will not affect construction of the Biosolids Modernization Project or operation of the facility improved or installed as a result of 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.
   - *Construction activities will create short-term noise impacts during excavation, building and material/equipment delivery. Construction related noise would occur between 7:00 am and 6:00 pm.*
   - *Noise producing activities at the WWTP include blowers, generators, pumps, and aeration basins. This project will not result in an increase in noise at the WWTP because it is only replacing existing equipment. It is unlikely these noises are noticeable off-site.*

3) Proposed measures to reduce or control noise impacts, if any:
   - *Construction equipment will be required to be properly muffled.*
   - *Construction hours are limited to weekdays from 7:00 AM to 6:00 PM in accordance with SMC 15.34.010.*
   - *Dryer equipment will be installed in buildings.*
   - *The new generator will be in an acoustic enclosure.*
   - *Digester gas compression equipment will be installed in a small enclosure.*

8. **Land and Shoreline use**

a. What is the current use of the site and adjacent properties?

The Sumner WWTP occupies the entire site. The site is bounded by Hwy. 410 on the northeast, the White River on the northwest, the Puyallup River on the south, property owned by the State of Washington Department of Fish & Wildlife and Department of Wildlife on the southeast and property owned by the City of Sumner on the east.

b. Has the site been used for agriculture? If so, describe.

The Sumner WWTP site has been used for wastewater treatment since the early 1950s. Portions of the site may have been used for agriculture prior to that time.

c. Describe any structures on the site.

The WWTP operates as a conventional nitrifying activated sludge system with primary clarification and mesophilic anaerobic sludge digestion followed by thermal drying for sludge management. The following structures are located on the WWTP property (Figure 2 – Existing Site Plan).

- *Control Building*
- *Vactor Truck Unloading Station*
- *Solids Transfer Station*
- *Influent Pump Station/Headworks*
- *Aeration Basins (3)*
- *Primary Clarifiers (3)*
- *Secondary Clarifiers (3)*
- *UV Disinfection System and Effluent Pump Station*
- *Solids Handling Building, Storage and Loading Structures*
- *Equipment Building (3)*
- *Anaerobic Digesters (2)*
- *Biofilter*
- *Dried Biosolids Storage Building*

- *Equipment Storage Building*
- *Plant drain pump stations (2)*
- *Flood Protection Berm/Wall – surrounds the WWTP*

d. Will any structures be demolished? If so, what?
- *The existing biosolids haul truck loading bay and the adjacent canopy/roof structure will be demolished. The addition to the Solids Handling Building will be constructed in this location.*

e. What is the current zoning classification of the site?
Low Density Residential (LDR)-12 and LDR-6

f. What is the current comprehensive plan designation of the site?
Public-Private Utilities and Facility

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

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
The Sumner WWTP is located with the 100-year floodplain of the White and Puyallup Rivers.

Areas along the north and south side of the WWTP site (outside of the floodwall and fencing that surrounds the WWTP) are sensitive riparian and shoreline areas.

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

The City employs eleven WWTP Operators and maintenance personnel at the WWTP.

j. Approximately how many people would the completed project displace?
- *Construction of the Biosolids Modernization Project will not displace workers or neighboring residents.*

k. Proposed measures to avoid or reduce displacement impacts, if any:
No people will be displaced by the proposed project. No measures to avoid or reduce displacement impacts are required.

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

The Biosolids Modernization Project is being constructed to ensure the WWTP biosolids treatment and handling capacity is adequate for the projected growth in the Cities of Sumner and Bonney Lake through the 20-year planning period. Population projections used in the Facility Plan Addendum No. 3 are based on information provided in the 2020 City of Sumner Sanitary Sewer Comprehensive Plan (BHC Consultants), the 2019 City of Bonney Lake General Sewer System Plan (RH2 Engineering), and updated information provided by both Cities.

9. **Housing**

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

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low–income housing.
None

c. Proposed measures to reduce or control housing impacts, if any:
None required.

10. **Aesthetics**

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
- *The addition to the Solids Handling Building will be one-story, approximately 30-feet tall. It will be constructed of concrete masonry blocks with a flat roof similar to existing Solids Handling Building and other structures at the WWTP.*

b. What views in the immediate vicinity would be altered or obstructed?
- *No views will be impacted by the proposed construction of the Biosolids Modernization Project. The majority of the work included in the project takes place within existing structures. The proposed addition to the Solids Handling Building will be a one-story building immediately adjacent to other structures.*

c. Proposed measures to reduce or control aesthetic impacts, if any:
- *The majority of the work included in the project takes place within existing structures.*
- *The exterior of the proposed Solids Handling Building expansion will match the existing exterior treatment of the Solids Handling Building.*

11. **Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
- *It is not anticipated any of the work included in the Biosolids Modernization Project will produce light or glare.*

b. Could light or glare from the finished project be a safety hazard or interfere with views?
- *Light and glare are unlikely to present a safety hazard, as the WWTP Site is located in a low, forested area.*

c. What existing off–site sources of light or glare may affect your proposal?
- *There are no off-site sources of light or glare that would affect the proposed Biosolids Modernization Project.*

d. Proposed measures to reduce or control light and glare impacts, if any:
- *The addition to the Solids Handling Building will be a neutral color concrete masonry unit similar to the other WWTP structures and will not be conspicuous to observers in the areas adjacent to the Sumner WWTP.*

12. **Recreation**

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

- *A cycling and hiking trail was installed around the perimeter of the Sumner WWTP during the Phase 1 upgrade, which improved access to both rivers for users of small watercraft and recreational fishermen.*

b. Would the proposed project displace any existing recreational uses? If so, describe.
   - *The Biosolids Modernization Project will not displace any existing recreational uses.*

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
   - *There will be no impact on recreation or recreational opportunities therefore no measures to reduce or control impacts are proposed.*

13. **Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
   - *According to the Department of Archaeology & Historic Preservation's WISAARD Website, there are no structures listed or eligible for state or federal historic registers in the immediate project area. However, there are a number of buildings that may be eligible in Sumner within the Township, Range & Section where the Biosolids Modernization Project will occur.*

c. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
   There are no known historic, archaeological, scientific or culturally important landmarks or materials on or immediately adjacent to the Sumner WWTP Project Site.

b. Proposed measures to reduce or control impacts, if any:
   Potential sites of ground disturbance will be evaluated by a professional archaeologist prior to ground disturbance in accordance with established DAHP protocols. In the event that potentially significant cultural, historic or archaeological materials are encountered during construction; work in the immediate vicinity shall be stopped and the City of Sumner, the Project Engineer, the Department of Archaeology and Historic Preservation and the concerned tribes (Muckleshoot & Puyallup) will be consulted regarding recordation and curation of any significant artifacts.

14. **Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.
   The Sumner WWTP Site can be accessed from SR 410 via Traffic Avenue and State Street. Public access to the WWTP will be terminated in the vicinity of the intersection of State Street and 63rd Street E with the installation of a gate.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
   The WWTP is not currently served by public transit. The Sumner Sound Transit Station which provides access to the Sounder train and express buses to Tacoma, Puyallup, Seattle and Bonney Lake is approximately one mile from the Sumner WWTP.

c. How many parking spaces would the completed project have? How many would the project eliminate?
   The proposed Biosolids Modernization Project will include 32 parking spaces on the Sumner WWTP Site. Public access to the existing 26 parking spaces in the parking lot to the north of the WWTP will be eliminated.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or

private).

The proposed Biosolids Modernization Project will limit public access to the WWTP with the installation of a gate at the south end of State Street (approximately the intersection of State Street and 63rd Street E). A vehicle turn-around will be installed to the north of the gate.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
The Puyallup River is regarded as navigable approximately seven miles downstream of Sumner. The nearest railroad tracks are approximately one-quarter mile from the project site where they cross the Puyallup River and run parallel to East Main Avenue.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.
The project will not immediately result in any increased vehicular trips per day. In the future, as the population and service area grow and loads to the plant increase over the 20-year planning period, additional sludge hauling truck trips will be required to accommodate increased WWTP loads.

g. Proposed measures to reduce or control transportation impacts, if any:
Deliveries of large/over-sized structures and equipment could be scheduled outside of the heaviest early morning traffic period, as much as possible.

15. **Public services**

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.
Implementation of the Biosolids Modernization Project will not require additional public services, fire protection, police protection, health care facilities or schools.

b. Proposed measures to reduce or control direct impacts on public services, if any.
Implementation of the proposed Biosolids Modernization Project will provide adequate biosolids treatment capacity at least through the year 2044.

16. **Utilities**

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

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Puget Sound Energy (PSE) provides natural gas and electricity in Sumner. Solid Waste is managed by Murrey's Disposal and DM Recycling. No modifications to these services will be required as part of the Biosolids Modernization Project.

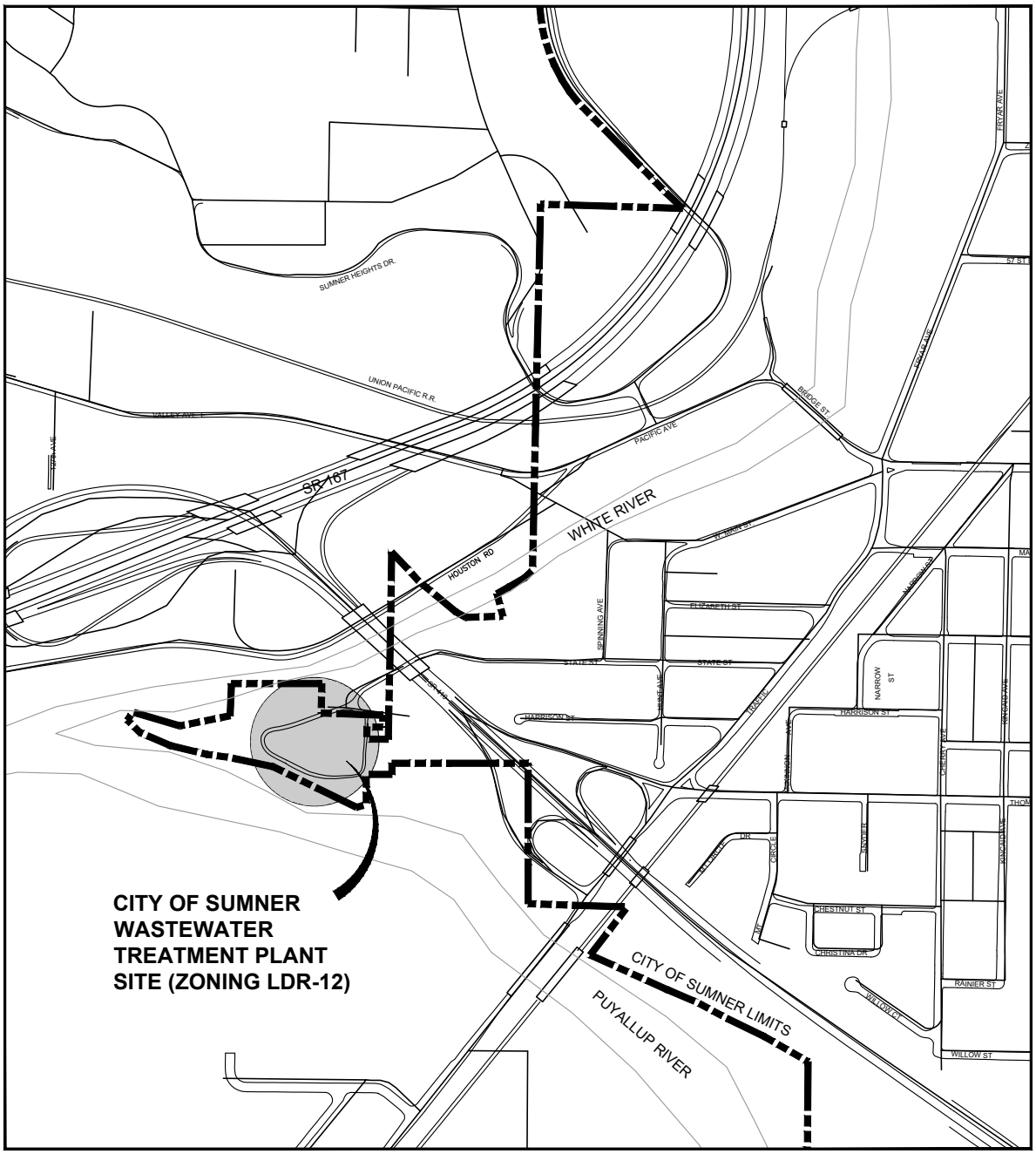
C. SIGNATURE

I, the undersigned, swear under the penalty of perjury that the above responses are made truthfully and to the best of my knowledge. I also understand that, should there be any willful misrepresentation or willful lack of full disclosure on my part, the agency may withdraw any determination of non-significance that it might issue in reliance upon this checklist.

Signature: _____

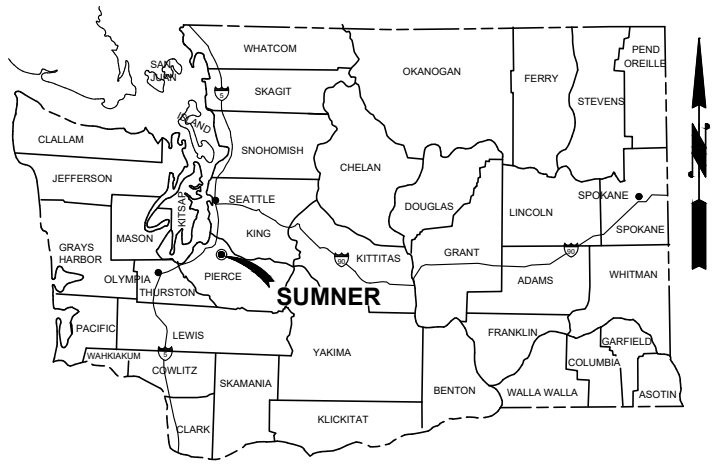
Name: Nancy Lockett, P.E.
Date Submitted: March 19, 2025

Statutory Authority: RCW 43.21C.110. 84–05–020 (Order DE 83–39), § 197–11–960, filed 2/10/84, effective 4/4/84.]



LOCATION MAP

SCALE: 1"=800'



VICINITY MAP

0 1"

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

CITY OF SUMNER

WASTEWATER TREATMENT PLANT BIOSOLIDS MODERNIZATION

FIGURE 1

LOCATION MAP AND VICINITY MAP

Gray & Osborne, Inc.

CONSULTING ENGINEERS

M:\Sumner\22446.00 Biosolids Modernization Project\Planset\General\VIC-LOC.dwg, 10/31/2024 10:50 AM, CHARLEY REID

N

60' 30' 0 60' 120'
SCALE: 1"=60'

SR 410 OVERPASS
EDGE BRIDGE DECK
STATE STREET
PUBLIC RESTROOM BUILDING
RV DUMP STATION
INFLUENT MANHOLE #1
INFLUENT MANHOLE #2
63RD STREET E.
INFLUENT MANHOLE #3
PERIMETER WALL
CHAIN LINK FENCE
WHITE RIVER
ORDINARY HIGH WATER ±
STORM DRAIN OUTFALL MANHOLE
WASHDOWN FACILITY AND TRUCK LOADING STATION
STORM WATER PUMP STATION VAULT
VECTOR TRUCK UNLOADING STATION
INFLUENT PUMP STATION/ HEADWORKS
INFLUENT MANHOLE #4
BIOSOLIDS PICK UP SHED
SOLIDS STORAGE BUILDING
EQUIPMENT STORAGE BUILDING
GARAGE AND EQUIPMENT BUILDING NO. 2
EQUIPMENT BUILDING NO. 1
CONTROL BUILDING NO. 1
CONTROL BUILDING NO. 2
BELT FILTER PRESS BUILDING
DIESEL STORAGE TANK
SUCTION DRAIN MANHOLE
EFFLUENT PUMP STATION
SECONDARY ANAEROBIC DIGESTER
PRIMARY ANAEROBIC DIGESTER
ELECTRICAL TRANSFORMER WITH GUARD POSTS
WASTE GAS BURNER
STORM WATER DETENTION BASIN
EQUIPMENT BUILDING NO. 3
BIOFILTER
ELECTRICAL TRANSFORMER WITH GUARD POSTS
COVERED AREA FOR VEHICLE AND EQUIPMENT STORAGE
RETAINING WALL
SOLIDS HANDLING BUILDING
PRIMARY CLARIFIER NO. 1
CENTRATE PUMP STATION
PRIMARY CLARIFIER NO. 3
CENTRATE VAULT
PRIMARY SLUDGE PUMP BUILDING
CENTRATE STORAGE TANK
GRIT HANDLING BUILDING
TRUCK CANOPY
DIESEL STORAGE TANK
PRIMARY CLARIFIER SPLITTER BOX
AERATION BASIN NO. 1
AERATION BASIN NO. 2
AERATION BASIN NO. 3
U.V. DISINFECTION FACILITIES
EFFLUENT FLOW METER
ODOR CONTROL SYSTEM
GRAVITY THICKENER NO. 2
SCUM MANHOLE
PRIMARY CLARIFIER NO. 2
AERATION BASIN SPLITTER BOX
SECONDARY CLARIFIER SPLITTER BOX
RAS/SCUM ROOM
PLANT DRAIN PUMP STATION NO. 1
SECONDARY CLARIFIER RAS/WAS PUMP STATION
PLANT DRAIN PUMP STATION NO. 2
STORM DRAIN VACTOR DUMP MANHOLE
PERIMETER WALL
CHAIN LINK FENCE
SCUM PUMP BUILDING
SCUM HOLDING VAULT
ORDINARY HIGH WATER ±
PUYALLUP RIVER
SECONDARY CLARIFIER NO. 1
SECONDARY CLARIFIER NO. 2
SECONDARY CLARIFIER NO. 3
PROPERTY OWNED BY DEPARTMENT OF FISH AND WILDLIFE (PARCEL NO. 4250001281)

EXISTING SITE PLAN
SCALE: 1"=60'

0 1"
ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

CITY OF SUMNER

WASTEWATER TREATMENT PLANT BIOSOLIDS MODERNIZATION

FIGURE 2
EXISTING SITE PLAN

Gray & Osborne, Inc.
CONSULTING ENGINEERS

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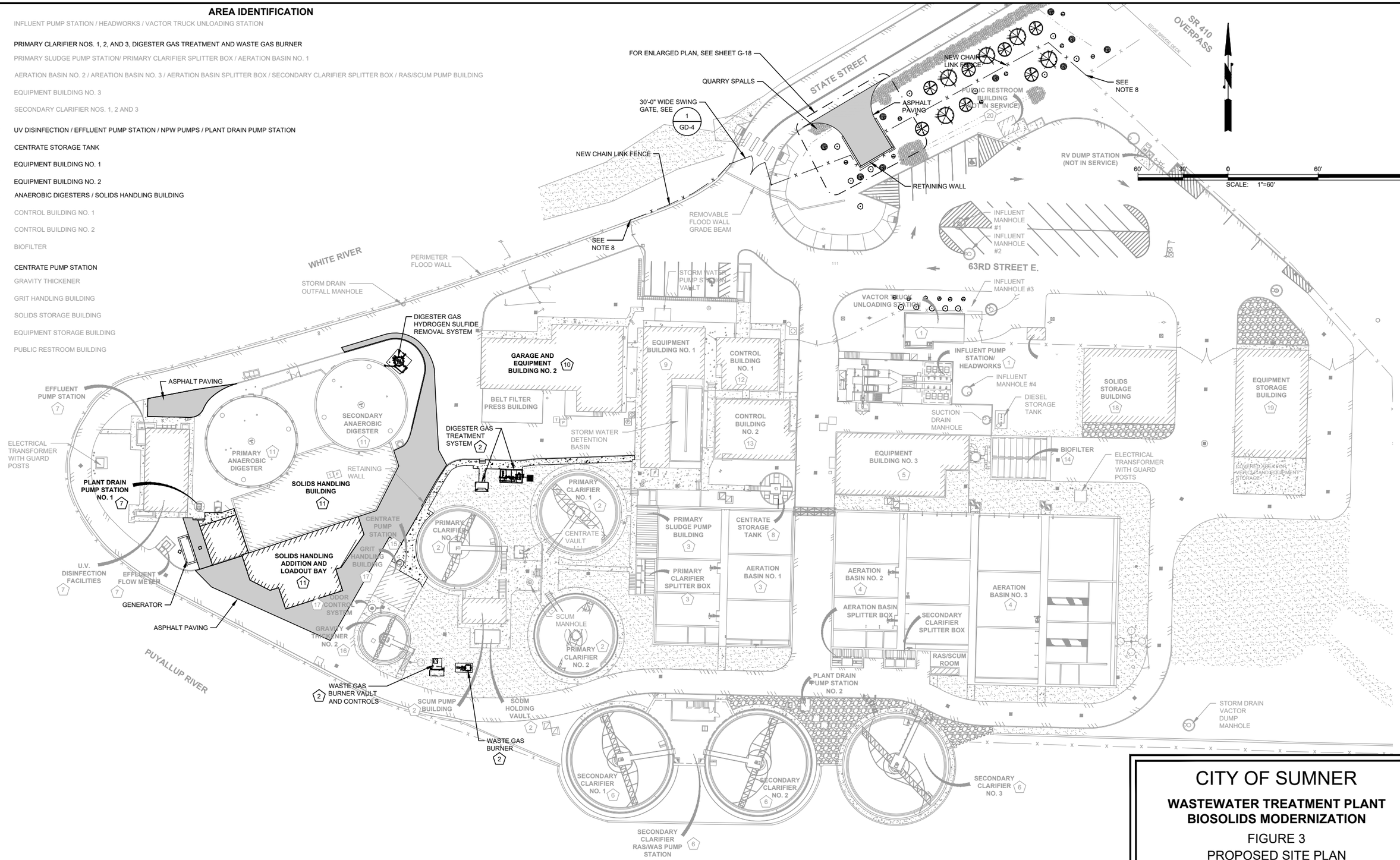
AREA IDENTIFICATION

1. INFLUENT PUMP STATION / HEADWORKS / VACTOR TRUCK UNLOADING STATION
2. PRIMARY CLARIFIER NOS. 1, 2, AND 3, DIGESTER GAS TREATMENT AND WASTE GAS BURNER
3. PRIMARY SLUDGE PUMP STATION/ PRIMARY CLARIFIER SPLITTER BOX / AERATION BASIN NO. 1
4. AERATION BASIN NO. 2 / AREATION BASIN NO. 3 / AERATION BASIN SPLITTER BOX / SECONDARY CLARIFIER SPLITTER BOX / RAS/SCUM PUMP BUILDING
5. EQUIPMENT BUILDING NO. 3
6. SECONDARY CLARIFIER NOS. 1, 2 AND 3
7. UV DISINFECTION / EFFLUENT PUMP STATION / NPW PUMPS / PLANT DRAIN PUMP STATION
8. CENTRATE STORAGE TANK
9. EQUIPMENT BUILDING NO. 1
10. EQUIPMENT BUILDING NO. 2
11. ANAEROBIC DIGESTERS / SOLIDS HANDLING BUILDING
12. CONTROL BUILDING NO. 1
13. CONTROL BUILDING NO. 2
14. BIOFILTER
15. CENTRATE PUMP STATION
16. GRAVITY THICKENER
17. GRIT HANDLING BUILDING
18. SOLIDS STORAGE BUILDING
19. EQUIPMENT STORAGE BUILDING
20. PUBLIC RESTROOM BUILDING



PROPOSED SITE PLAN
SCALE: 1"=60'

0 1"
ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

CITY OF SUMNER

WASTEWATER TREATMENT PLANT BIOSOLIDS MODERNIZATION

FIGURE 3
PROPOSED SITE PLAN

Gray & Osborne, Inc.
CONSULTING ENGINEERS

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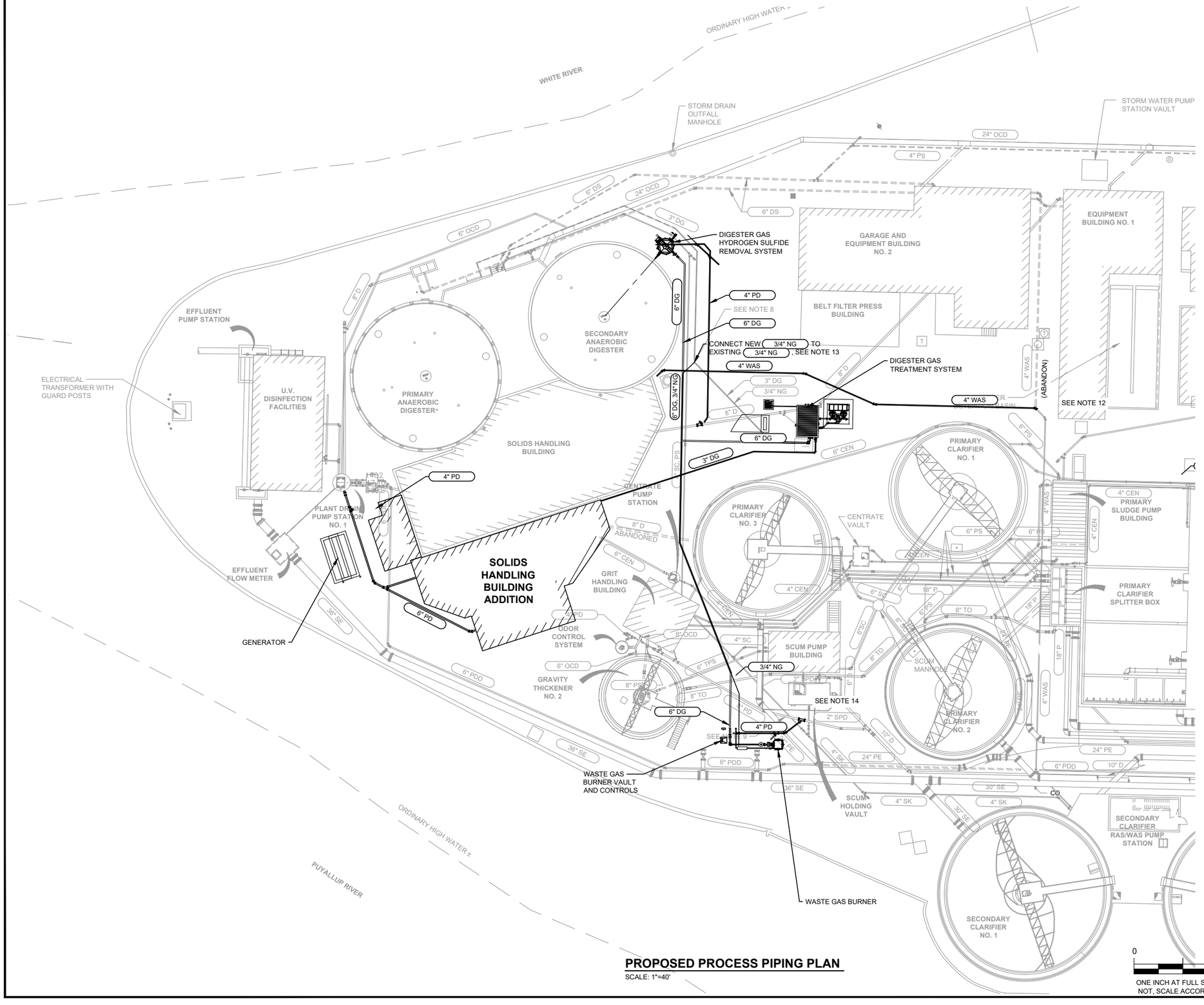

PROPOSED PROCESS PIPING PLAN

SCALE: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"=40'

0 1"

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

CITY OF SUMNER

WASTEWATER TREATMENT PLANT BIOSOLIDS MODERNIZATION

FIGURE 4

PROPOSED SITE PIPING PLAN

Gray & Osborne, Inc.
CONSULTING ENGINEERS

M:\Sumner\22446.00 Biosolids Modernization Project\Planset\General\G-PROC-NEW.dwg, 10/31/2024 3:14 PM, CHARLEY REID