SEPA Environmental Checklist

A.Background

1. **Name of proposed project, if applicable:**

   Monroe Correction Center Lift Station Project

2. **Name of applicant:**

   Washington State Department of Corrections

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

   Darin Klein, P.O. Box 41100, Mail Stop 41100, Olympia, WA 98504-1100 360-764-3093

4. **Date checklist prepared:**

   10/31/2024

5. **Agency requesting checklist:**

   Washington State Department of Corrections

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

   Construction to start January 1, 2025 be completed by December 31, 2025

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

   No.

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

   None.

9. **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.**

   No.

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

    Washington State Department of Ecology approval of the plans and specifications is required. The Dam Safety Office requires approval of the plans and specifications as well.

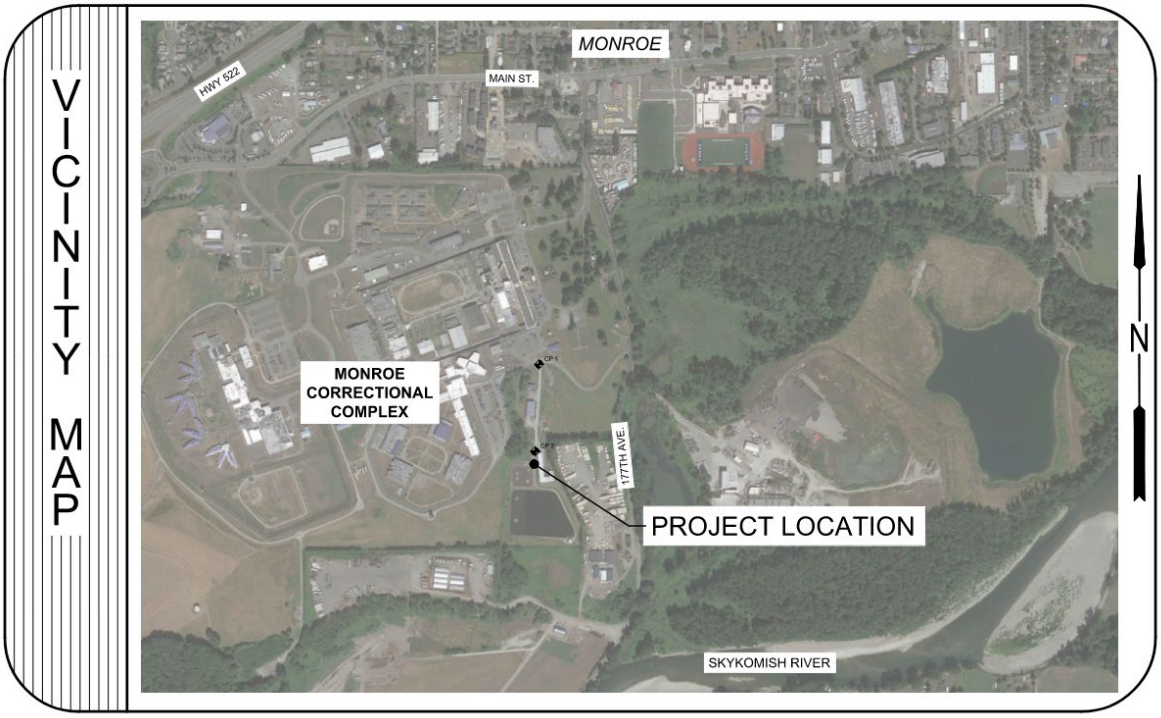
11. **Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies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

    The project will install a new sewage lift station to bypass the Monroe Correction Center treatment lagoons and convey sewage directly to the City of Monroe sewage collection

system. The project proposal also include relining an existing sewage lagoon and filling in a portion of the lagoon with suitable structural fill.

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 work is on the Monroe Correction Center Campus in Monroe, Washington. The address of the facility is 16550 177th Avenue SE, Monroe, WA 98272. See attached vicinity map.



B.Environmental Elements

1. Earth

a. General description of the site:

The work is within the fenced boundaries of the wastewater lagoon portion of the Monroe Correction Center and the adjacent existing roadways.

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

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

5%

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.

The geotechnical report prepared for the project identified the soils as follows:

Topsoil was encountered in test pits at the surface and extended to depths of 0.25 to 1.5 feet below ground surface (BGS). Topsoil consisted of sandy elastic silt with small, fine roots and organics.
The condition was loose.

For boring 1 (B-1), beneath the topsoil was fine-grained soils consisting of sandy, silty clay. The silty clay extended from approximately 1.5 to 17.5 feet in BGS. The condition of the silty clay was soft to stiff according to standard penetration test (SPT) blow counts collected during the exploration. The soil moisture exceeded the plastic limit. The capillary potential for fine-grained soil (silt and clay) can exceed the combined thickness of the deposits, 5 to 10 feet.

From 16.5.5 to 21 feet BGS, the soil consisted of sandy, lean clay. The condition of the sandy lean clay was wet and very stiff. Based on the moisture content and the plastic limit, this soil was also in a plastic state.

From 21 to 25 feet BGS was silt with clay and fine sand. The condition was wet and dense.

Beginning at 25 feet BGS was bedrock consisting of very dense, gray, dry, siltstone. At 27.5 feet BGS, the split spoon sampler was refused at 50 blows in 2.5 inches. Refusal was encountered in the siltstone.

For B-2, beneath the topsoil a blue-gray silt fill was encountered. The silt was in a loose condition. The silt extended from approximately 1.5 to 17 feet BGS.

At approximately 17 feet BGS, a hard, un-located piece of concrete was discovered. The bore hole was abandoned due to fears that the concrete was a pre-cast pipe. Due to the presence of the concrete, it was determined that the overlying soil was fill.

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

No. The natural soils in the area do not show signs of unstable soils.

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.

All excavations will be to install new infrastructure in the ground and will be backfilled to match existing conditions. As available, the soils and material excavated will be used to backfill trenches unless the material is deemed unsuitable for backfill. If the material is found to be unsuitable, it will be replaced with suitable backfill meeting WSDOT standard specifications for backfill material. The portion of the lagoon that will be

embanked will utilize structural fill meeting the requirements of WSDOT Select Borrow materials.

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

No. The work will be completed on generally flat areas within existing roadways. Where excavation work is outside of the existing roadways, excavation and backfill operations will occur over a few days and will not be a potential source for erosion. Once the project is completed, it will match existing conditions.

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

No additional impervious surface will be constructed under this project. Removal and replacement of existing impervious surfaces will occur but there will be no net gain in impervious surfaces.

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

Contractor will install silt fence or bales to stop stormwater from flowing freely across the site. Excavations will be kept to a minimum and restored to existing conditions as soon as possible.

2. Air

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.

During construction, heavy equipment operation will be necessary to complete the project. The heavy equipment generally utilizes diesel fuel which generates air emissions. Dust particles may be generated by the excavation operations and equipment operation. Part of the project will be to install a new sewage lift station that will collect sewage. Sewage can sometimes produce odors when collected and stored for significant periods which may be noticeable directly adjacent to the lift station. Other than the lift station potential for minor odors, there will be no additional air impacts after project completion.

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

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

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

The odors that may be observed at the proposed lift station will be reduced from the existing open air lagoon that the sewage currently is discharged to. The odors are also mitigated by frequent operation of the lift station to prevent the sewage from going septic which would produce more odor. The inlet to the lift station is configured in a

way to prevent splashing and turbulence which can create aerosol particles generating more odor.

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 Skykomish River is approximately 1,500 LF away from the work area. None of the work is proposed in or near the water body.

2. **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

   No.

3. **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

   None.

4. **Will the proposal require surface water withdrawals or diversions? Give a general description, purpose, and approximate quantities if known.**

   No.

5. **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

   No.

6. **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

   No.

b. Ground:

1. **Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give a general description, purpose, and approximate quantities if known.**

   No. No changes to any existing wells is necessary. No water will be discharged to groundwater.

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

   There are no septic tanks within the project area. No waste material will be discharged to the ground as all sewage is collected in the sewer collection system.

c. Water Runoff (including stormwater):

1. **Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

   Existing stormwater in the site is collected in roadside ditches and piping. No changes to this system is proposed. Stormwater runoff generated during the project will be collected through the same process. BMPs for stormwater runoff treatment during construction will be utilized including inlet protection and silt fencing.

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

   No. No waste materials should enter ground water. If a construction equipment fluid spill occurs, the Contractor will clean up the spill and remediate any soil that may be contaminated.

3. **Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.**

   No, the proposal does not alter or otherwise affect drainage patterns.

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

BMPs for construction stormwater will be implemented by the Contractor during construction. Given that the majority of the project does not require excavation, the potential for groundwater contamination is minimal.

4. Plants

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

☒ **deciduous tree: alder, maple, aspen, other**

☒ **evergreen tree: fir, cedar, pine, other**

☒ **shrubs**

☒ **grass**

☐ **pasture**

☐ **crop or grain**

☐ **orchards, vineyards, or other permanent crops.**

☐ **wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other**

☐ **water plants: water lily, eelgrass, milfoil, other**

☐ **other types of vegetation**

b. What kind and amount of vegetation will be removed or altered?

No Vegetation will be removed or altered. All work will be within roadways or the existing sewage lagoon.

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

The following threatened and endangered species have been observed in Snohomish County based upon the Washington Natural Heritage Program. 2021. Online Field Guide to the Rare Plants of Washington, https://fieldguide.mt.gov/wa:

Alaska harebell - *Campanula lasiocarpa*

black lily - Fritillaria camschatcensis

Cooley's buttercup - Arcteranthis cooleyae

clubmoss cassiope - Cassiope lycopodioides

Choris' bog-orchid - Platanthera chorisiana

few-flowered sedge - Carex pauciflora

false apple moss - Bartramiopsis lescurii

long-styled sedge - Carex stylosa

Scouler's monkeyflower - Erythranthe scouleri

pygmy saxifrage - Saxifraga hyperborea

several-flowered sedge - Carex pluriflora

spleenwort-leaved goldthread - Coptis aspleniifolia

swertia - Swertia perennis

yellow mountain-avens - Dryas drummondii var. drummondii

whitebark pine - Pinus albicaulis

western moonwort - Botrychium hesperium

Most of these species are native and have been observed in the mountainous portions of Snohomish County. Given that the project is not in the mountainous region of the county, they are not applicable to the site.

None of these species have been observed in the area of the project.

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

Vegetation similar to existing vegetation will be used for landscape restoration after construction where construction disturbs existing vegetation.

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

Snohomish County maintains a list of noxious weeds and invasive species within the county. The list of species can be found at:

https://snohomishcountywa.gov/722/Noxious-Weeds

5. Animals

a. **List any birds and other animals that have been observed on or near the site or are known to be on or near the site.**

Examples include:

- **Birds: hawk, heron, eagle, songbirds, other:**
- **Mammals: deer, bear, elk, beaver, other:**
- **Fish: bass, salmon, trout, herring, shellfish, other:**

None of these species have been observed directly on the project site.

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

None known.

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

The open water lagoons on the site may receive migrating birds however aerators in the lagoon discourage birds from utilizing the lagoons.

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

Once the project is completed, the site will be restored to similar conditions as existing.

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

None.

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.**

Energy will be required to power the lift station. The power will be provided by Snohomish County PUD No. 1.

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

No. The project will have no impact on the ability of adjacent properties to use solar power.

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.

The project design utilizes high efficiency motors to minimize power consumption.

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 because of this proposal? If so, describe.

No additional risks are associated with this proposal. Equipment that will be installed in the lift station is explosion proof.

1. **Describe any known or possible contamination at the site from present or past uses.**

   None known.

2. **Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.**

   No known such pipeline exist.

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.**

   Fuel for construction equipment may be stored in a fuel truck on site. After construction is completed, nothing will be stored on site.

4. **Describe special emergency services that might be required.**

   None.

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

   No environmental health hazards exist as a result of the project.

b. Noise

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

   No existing noise sources are known.

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)?**

On a short term basis, the use of heavy construction equipment will create a source of noise in the construction area. Work hours will be between 7AM and 6PM. After construction is complete, there will be no additional noise created by the project.

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

   Construction equipment will be required to include proper muffling equipment to minimize the noise created.

8. Land and shoreline use

a. **What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.**

   The site is zoned institutional and surrounding properties are zoned Industrial. The project will not affect current land uses.

b. **Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses because of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?**

   No.

   1. **Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?**

      No.

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

   The structures on the site are associated with a correctional facility.

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

   No.

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

   Institutional

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

   Institutional

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

   N/A

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

   No.

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

Unchanged. No additional residents.

j. **Approximately how many people would the completed project displace?**

None.

k. **Proposed measures to avoid or reduce displacement impacts, if any.**

None needed.

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

The proposal is a sewer rehabilitation project that is compatible with institutional zoning.

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

None anticipated.

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 needed.

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?**

All structures will be below the ground and not visible other than control panels for the pumps.

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

None.

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

No structures will be visible.

11. Light and glare

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

   No other light or glare will be created.

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

   No.

c. **What existing off-site sources of light or glare may affect your proposal?**

   None known.

d. **Proposed measures to reduce or control light and glare impacts, if any:**

   None necessary.

12. Recreation

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

   None. The project is located within a correctional facility.

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

   No.

c. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:**

   None needed.

13. Historic and cultural preservation

a. **Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.**

   No historic properties listed on the NRHP or Washington Heritage Register(WHR) are located within one mile of the project.

b. **Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.**

   None have been discovered.

c. **Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.**

The area to be disturbed is entirely within areas that have already had sewer and underground infrastructure installed. The area of impact of the improvements is fill material that was placed during construction of the existing infrastructure.

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.**

If remains or archaeological materials are discovered, the Contractor will notify the Owner and environmental specialists to ensure the artifacts are not disturbed.

14. Transportation

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.**

All the streets surrounding the site are public streets owned by the City of Monroe other than access roads on the campus operated by the Department of Corrections. No streets other than the private streets on the Campus will be affected by this proposal.

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

No.

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

No. The proposal will repair any damage made to private roads within the development.

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

No.

e. **How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?**

None.

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

No.

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

None needed.

15. Public services

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

No.

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

The proposal will have no impact on public services. It is a rehabilitation of the existing sewer system.

16. Utilities

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

a. **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.**

The project will rehabilitate the sewer system. No expansion or additional services are included.

C.Signature

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

X

Type name of signee: Darin Klein

Position and agency/organization: Environmental Planner

Date submitted: **11/7/24**