King County

Department of Natural Resources and Parks • Wastewater Treatment Division
Community Services and Environmental Planning • 201 South Jackson Street, MS KSC-NR-0505, Seattle, WA 98104-3855 • FAX 206-684-1278

DETERMINATION OF NONSIGNIFICANCE (DNS)

TITLE OF PROPOSAL: Hanford@Rainier CSO Control Project

DESCRIPTION OF PROPOSAL: The proposal is to control combined sewer overflow (CSO) discharges at two existing King County CSO discharge locations by constructing improvements to the wastewater system. There are three existing CSO discharge locations associated with the Hanford Street trunk: Bayview North, Bayview South and Hanford@Rainier. These CSO discharge locations discharge to the City of Seattle storm sewer which discharges at Diagonal Avenue to the Lower Duwamish Waterway. Under a consent decree with U.S. Environmental Protection Agency, King County is required to limit CSOs to one per year at each outfall by 2030. Currently overflows at Bayview South are controlled. This proposal will address uncontrolled discharges at Bayview North and Hanford@Rainier, which are hydraulically interdependent. The proposed project includes two major elements; a new 48-inch diameter siphon upstream of Bayview North that will divert flow to the Bayview Tunnel and control CSOs at Bayview North, and a new diversion structure, diversion pipe and 0.34 million gallon storage tank at Hanford Street to store peak storm volumes and control CSOs at the Hanford@Rainier CSO discharge location.

LOCATION OF PROPOSAL, INCLUDING STREET ADDRESS, IF ANY: The new Bayview siphon would be constructed between the southbound travel lanes of Rainier Avenue South and private property at 2347 Rainier Avenue South, Seattle, Washington. The project site is located in Section 9 Township 24 North Range 4 East. The proposed storage tank would be constructed on a King County property at 2700 South Hanford Street. The new diversion structure and pipeline would be constructed within Martin Luther King Junior right-of-way and 2700 South Hanford Street, Seattle, Washington. The Hanford site is located in Section 9 Township 24 North Range 4 East.

Responsible Official: Pam Elardo, P.E.

Position/Title: Director, King County Wastewater Treatment Division

Address: 201 South Jackson Street, MS KSC-NR-0501
Seattle, WA 98104-3855

Date: 18 Dec 2013 **Signature:** _____

Proponent and Lead Agency: King County Department of Natural Resources and Parks
Wastewater Treatment Division

Contact Person: Katherine Fischer, Water Quality Planner
King County Wastewater Treatment Division
201 South Jackson Street, MS KSC-NR-0505
Seattle, WA 98104
phone: 206-477-5416; e-mail: katherine.fischer@kingcounty.gov

Issue Date: December 19, 2013

The State Environmental Policy Act (SEPA) lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

☒ This Determination of Nonsignificance is issued under WAC 197-11-340 (2); the lead agency will not act on this proposal for 21 days from the issue date. **Comments must be submitted by January 8, 2014.** Submit comments to Katherine Fischer, Supervisor, Community Services and Environmental Planning, King County Wastewater Treatment Division, 201 South Jackson Street, MS KSC-NR-0505, Seattle, WA 98104-3855.

☒ The King County Wastewater Treatment Division has submitted an application to the City Seattle for a Master Use Permit, thus there is no administrative appeal of this DNS pursuant to RCW 43.21C.075, WAC 197-11-680, KCC 20.44.120 and King County Public Rule 7-4-1. The public rule may be viewed at http://www.kingcounty.gov/operations/policies/rules/utilities/put741pr.aspx, or contact Katherine Fischer at 206-477-5416 or katherine.fischer@kingcounty.gov to obtain a copy of the rule.

[Statutory authority: RCW 43.21C.110. 84-05-020 (Order DE 83-39), §197-11-970, filed 2/10/84, effective 4/4/84.]

SEPA
ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:

Hanford@Rainier CSO Control Project

2. Name of applicant:

King County Department of Natural Resources and Parks
Wastewater Treatment Division

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

King County Department of Natural Resources and Parks
Wastewater Treatment Division
201 South Jackson Street
Seattle, WA 98104

CONTACT: Katherine Fischer, 206-477-5416
katherine.fischer@kingcounty.gov

4. Date checklist prepared:

December 2013

5. Agency requesting checklist:

King County Department of Natural Resources and Parks
Wastewater Treatment Division

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

Construction of the proposed project would begin in mid-2015 and last for approximately two years.

7. Do you have any plans for future additions, expansions, 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.**

- Geotechnical Data Report, Jacobs Associates, August 2013
- Phase I/II Environmental Site Assessment, Herrera Environmental Consultants, July 2013

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.**

Bayview Site	**Hanford Site**
City of Seattle: • Street Improvement Permit • Street Use Permit • Term Permit • Master Use Permit • Demolition Permit • Grading Permit	City of Seattle: • Building Permit • Street Improvement Permit • Master Use Permit • Demolition Permit • Water Availability Certificate • Side Sewer Permit
	King County: • Industrial Waste Discharge Permit

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 proposal is to control combined sewer overflow (CSO) discharges at two existing CSO discharge locations by constructing improvements to the wastewater system. There are three existing CSO discharge locations associated with the Hanford Street trunk: Bayview North, Bayview South and Hanford@Rainier. These CSO discharge locations discharge to the City of Seattle storm sewer which discharges at Diagonal Avenue to the Lower Duwamish Waterway.

Under a consent decree with EPA, King County is required to limit CSOs to one per year at each outfall location by 2030. Currently overflows at Bayview South are

controlled. This proposal will address uncontrolled discharges at Bayview North and Hanford@Rainier, which are hydraulically interdependent.

The proposed project includes two major elements; a new 48-inch diameter siphon upstream of Bayview North that will divert flow to the Bayview Tunnel and control CSOs at Bayview North, and a new diversion structure, diversion pipe and storage tank at Hanford Street to store peak storm volumes and control CSOs at the Hanford@Rainier CSO discharge.

Bayview Siphon

To divert flow from the existing Hanford Trunk, a new 48-inch diameter approximately 120-foot long siphon would be constructed to connect the existing tunnel to an abandoned brick sewer to the west. The existing brick sewer was identified as a potential conveyance option during alternatives analysis. The brick sewer will be lined with cured-in-place pipe, essentially creating a new pipe within the existing pipe, as part of the proposed project. Some sewer bypassing would be required when the connection of the siphon inlet to the Hanford Trunk is being completed.

The new siphon would be installed using trenchless methods. Construction of two access pits will be necessary to facilitate construction of the siphon. Once completed the siphon will divert peak flows from the Hanford Trunk to the Bayview Tunnel, thereby controlling CSOs at Bayview North.

Hanford Storage Tank

The Hanford portion of the project is located approximately ¾ mile south of the Bayview portion of the project. This portion of the project includes construction of a 0.34 million gallon (MG) underground storage tank on property owned by WTD and a new diversion structure and pipe to bring the flows to the storage tank.

A new 250-foot long 36-inch diameter pipe would be constructed using a combination of trenchless and open-cut methods to connect a new diversion structure constructed adjacent to the existing Hanford@Rainier CSO Structure, to the new storage tank. Peak storm flows would be diverted to and stored in the storage tank and then released back into the system when capacity exists in the pipes.

A new approximately 1,800 square foot building would be constructed on the storage tank site to house odor control equipment, mechanical equipment and a diesel generator.

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.

Bayview Siphon

The new Bayview siphon would be constructed between the southbound travel lanes of Rainier Avenue South and private property at 2347 Rainier Avenue South, Seattle, Washington. The project site is located in Section 9 Township 24 North Range 4 East.

Hanford Storage Tank

The proposed 0 .34 MG storage tank would be constructed on a King County owned property at 2700 South Hanford Street, Seattle, Washington. The existing building at 2720 South Hanford Street would be utilized to house contractor offices and equipment during construction of the project. The new diversion structure and pipeline would be constructed within Martin Luther King Junior right-of-way and 2700 South Hanford Street, Seattle, Washington. The Hanford site is located in Section 9 Township 24 North Range 4 East.

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)?

Both sites are flat.

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.

At Bayview soils consist of gray silty sand underlain by olive brown clay and gray brown sand with silt and gravel.

At the Hanford site soils consist of gray clay underlain by a layer of gray silty sand and olive brown silty sand.

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

No.

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

Bayview Siphon

Construction of the 48-inch diameter siphon pipe to connect the existing Hanford Trunk in Rainier Avenue South to the abandoned brick sewer at 2347 Rainier Avenue South would require the excavation of two access pits. The siphon inlet would be constructed by excavating a pit within Rainier Avenue South right-of-way that is approximately 22 feet by 30 feet and 30 feet deep.

The siphon discharge would be located on private property at 2347 Rainier Avenue South. A pit approximately 22 feet by 33 feet by 30 feet deep would be excavated to facilitate the installation of the pipe and connection to the existing brick sewer. Approximately 1,500 total cubic yards of soil would be excavated at the inlet and discharge pit locations. At both locations a shoring system could be installed to support the open excavation and facilitate installation of a permanent below ground concrete structure for the pipe connections.

The siphon would be constructed utilizing the trenchless method known as pipe ramming. A pipe casing will be driven through the ground between the inlet and discharge locations. Some ground improvement such as injection grouting may be required to perform the pipe ramming.

Following completion of the siphon inlet in Rainier Avenue South the pit would be backfilled and compacted then the road surface restored to its pre-construction condition. A new manhole would be placed in Rainier Avenue South so operations staff can access the siphon for routine inspection and maintenance. At the 2347 Rainier Avenue South property the site would be backfilled and compacted and the site repaved. A total of approximately 500 cubic yards of material would delivered to the Bayview sites to backfill excavations.

Hanford Storage Tank

Construction of the underground storage tank at 2700 South Hanford Street would require excavation of a large portion of the site. An area approximately 100 feet by 75 feet and 50 feet deep would be excavated to construct the 0.34 MG below ground storage tank. The excavation would be shored by placing soldier pile and lagging walls with tieback/bracing.

A new 36-inch diameter pipe would be constructed to divert flows from the existing CSO structure at Hanford@Rainier to the new storage tank. A sump would be constructed downstream of the existing CSO overflow weir that will discharge to a new manhole to the north of the weir. A 36-inch pipe would be installed using a combination of trenchless and open-cut methods. The open-cut section would be installed in a trench about 200 feet long by 7 feet wide by 30 feet deep. The trenchless section of the diversion pipe would be approximately 45 feet long.

Construction of the storage tank, pipe trench and diversion structure would require the excavation of approximately 13,000 cubic yards of soil. Backfill of the storage tank excavation would utilize approximately 4,000 cubic yards of material and approximately 60 cubic yards of material would be transported to the site for pipe bedding.

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

Yes, construction activities such a site grading and excavation, materials handling and stockpiling could cause erosion on a short-term basis. Short-term erosion control measures would be implemented to minimize potential erosion (see Section B.1.h below for a description of erosion control measures).

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

At both the Bayview and Hanford sites there will be no net increase in impervious surface area due to construction of the project.

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

Construction activity at both sites would incorporate construction-related BMPs such as temporary erosion and sediment control measures to minimize the potential for erosion and sedimentation. Typical BMPs that could be used include installing silt fences, covering bare soil and stockpiles, and regularly inspecting and repairing erosion and sediment control measures. Temporary erosion and sediment control measures would be identified in the project plans and construction specifications and would be implemented as required by the City of Seattle.

At the Bayview site some ground improvements may be necessary to construct the siphon pipe to minimize the potential for settlement. Ground improvement measures could include injection grouting or ground freezing.

2. **Air**

a. **What types of emissions to the air would result from the proposal (i.e., dust, automobile emissions, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.**

During construction of the proposed project the primary source of air emissions would be fossil fuel combustion by-products from construction equipment and vehicles and dust from excavation and grading activity. Sewer bypass operations to allow connection of pipes may result in some sewer odors on a temporary basis.

After completion of the project the storage tank at Hanford would include an odor control unit to treat foul air. Operation of the standby power generator would result in diesel engine emissions during its operation and maintenance. The standby power generator would only operate during power outages or occasional testing.

A King County Greenhouse Gas Emissions Worksheet is attached.

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

No.

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

During construction, BMPs would be implemented to control dust. Types of BMPs that could be utilized include street sweeping, watering exposed soils and covering soil stockpiles.

Long-term impacts from odors associated with the storage tank at Hanford would be minimized by the odor control facility at the site.

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, or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

No.

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

The depth to groundwater at Bayview is approximately 14 to 16 feet. At Hanford the depth to groundwater is between 7 and 9 feet. Dewatering of excavations will be required at both the Bayview and Hanford sites. Dewatering volumes would be discharged to the King County sewer system.

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.**

None.

c. **Water Runoff (including storm water):**

1) **Describe 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.**

The source of runoff at both sites during and after construction would be rainfall. Runoff at both sites currently enters the City of Seattle storm drainage system. Runoff control measures during and after construction would comply with the City of Seattle's stormwater management requirements.

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

Construction-related materials could enter groundwater or stormwater runoff due to accidental spills, mechanical failures, or if construction activities are performed outside of specified conditions. See Section B.1.h and B.3.d for measures to minimize the potential for impacts to groundwater and stormwater runoff.

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

Measures that would be taken to prevent waste materials from entering groundwater or stormwater runoff during demolition and excavation are described in Section B.7.a.2.

Erosion and sedimentation control BMPs that would be utilized during construction are presented in Section B.1.h.

Additional BMPs that could be implemented to prevent the introduction of contaminants into groundwater or surface water runoff during construction include:

- Maintaining spill containment and clean up materials in areas where equipment fueling is conducted;
- Refueling construction equipment and vehicles away from storm drain inlets whenever practicable;
- Storing fuels and other potential contaminants away from excavation sites and in secured containment areas;
- Conducting regular inspections, maintenance and repairs on construction equipment;
- Establishing a communication protocol for the unlikely event of a spill.

If dewatering water is discharged to the King County sewer system it would be monitored to ensure it meets applicable standards.

4. Plants

a. Check or circle 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
_____ 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?

None.

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

None.

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

None proposed.

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: _____

mammals: deer, bear, elk, beaver, other: _____

fish: bass, salmon, trout, herring, shellfish, other: _____.

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

None.

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

The entire Puget Sound area is part of the Pacific Flyway.

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

Controlling CSOs to one event per year will benefit water quality in Puget Sound.

6. **Energy and Natural Resources**

a. **What kinds of energy (electric, natural gas, oil, woodstove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.**

The completed project would utilize electricity.

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

No.

c. **What kind 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 incorporates energy efficient equipment and lighting.

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.

A Phase 1 and Phase II Environmental Site Assessment were completed for the proposed project. Groundwater sampling on the Hanford site did not detect any contaminants. A Hazardous Building Materials Survey was conducted on the building located at 2700 South Hanford Street that will be demolished to construct the storage tank. Preliminary results indicate the presents of a small amount of asbestos in roofing sealants and a minor amount of lead in painted surfaces. Additional testing may be conducted prior to demolition to reach areas of the building not accessible during initial testing.

1) Describe special emergency services that might be required.

None.

2) Proposed measures to reduce or control environmental health hazards, if any:

Appropriate measures would be implemented to minimize exposure to hazardous materials during demolition of the building at the storage tank site. A contractor certified to remove and properly dispose of asbestos and lead paint would be used to demolish the building. All hazardous materials would be properly disposed of when the building is demolished.

b. Noise

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

None.

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 of the proposed project would create new temporary sources of noise. Construction-related noise would include engine and mechanical and scraping noises associated with the use of heavy equipment such as excavators, loaders and concrete mixers. These types of equipment typically generate noise in the range of 89-90 dBA at a distance of 50 feet. Noise would also be generated by pumps used to dewater construction

excavations and conduct sewer bypass operations. Hauling activities to and from the project site would contribute to traffic noise.

Noise levels associated with the installation of shoring systems at both sites would depend on the type of shoring used and the method of pile installation. An impact pile driver generates noise levels up to approximately 100 dBA at a distance of 50 feet. Other methods of installation would generate less noise. Noise generated by these activities would be temporary and intermittent during construction at both sites.

Construction activity would take place during daytime hours at the Hanford site. Typical daytime work hours are 7:00 am to 5:00 pm. Weekend or night work at Bayview would likely be proposed to minimize impacts to Rainier Avenue South and Mutual Fish Company.

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

Construction activities would be performed consistent with the City of Seattle's Noise Control Ordinance, or as required by the City in approved permits. All impacts from construction-related noise would be short-term and temporary. Construction BMPs that could be utilized to minimize construction noise include:

- Using effective vehicle mufflers, engine intake silencers, and engine enclosures, and shutting off equipment when not in use
- Using broadband back-up alarms to eliminate impacts of single-frequency high-pitched alarms
- Notifying residents and businesses near the project area of upcoming noisy construction activities
- Creating a 24-hour construction hotline to promptly respond to questions and complaints

8. Land and Shoreline Use

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

Bayview Siphon

The Bayview siphon inlet structure would be constructed within Rainier Avenue South right-of-way. The siphon discharge structure would be constructed on private property currently owned by Mutual Fish Company. Adjacent property uses in the area are primarily commercial businesses.

Hanford Storage Tank

The underground storage tank at the Hanford site would be constructed on King County owned property. The existing building on the site would be demolished prior to the start of construction. The adjacent parcel to the east is also owned by King County. The existing building on the site will be utilized for construction contractor offices and construction equipment. Property to the west and south of the site includes commercial and residential uses. To the north is the Sound Transit Link Mt. Baker Station.

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

No.

c. Describe any structures on the site.

Bayview Siphon

The private property at 2347 Rainier Avenue South contains a storage building owned by Mutual Fish Company.

Hanford Storage Tank

The Hanford site consists of two parcels currently owned by WTD. A two story wooden structure housing several residences and businesses occupies the parcel closest to Martin Luther King Jr. Way. The parcel to the west that will be utilized to construct the proposed storage tank is leased by a church.

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

Bayview Siphon

An existing one-story storage structure owned by Mutual Fish Company at 2347 Rainier Avenue South would be demolished to facilitate construction of the 48-inch siphon.

Hanford Storage Tank

Yes, the existing building on the 2700 South Hanford Street site would be demolished to construct the CSO storage tank.

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

Hanford Site - Lowrise 3 residential/commercial

Bayview Site - Commercial 1-65

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

The City of Seattle comprehensive plan designation of both sites is commercial/mixed use.

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 an "environmentally sensitive" area? If so, specify.

Both project sites, Bayview and Hanford, are located in a liquefaction zone.

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

None.

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

None.

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

N/A.

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

Bayview Siphon

Following completion of construction two new manholes and an electrical panel would be the only above ground elements at the Bayview site.

Hanford Storage Tank

The proposed storage tank at the Hanford site would be located below ground. The small above ground building would be constructed of typical commercial/industrial type materials.

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.

The property at 2720 South Hanford Street currently contains several residential studio apartment units. The building would not be demolished but existing residential and commercial uses would be vacated prior to the start of construction. The building would be utilized for contractor offices during the construction of the project.

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

N/A.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennae; what is the principal exterior building material(s) proposed?

An approximately17-foot tall, 1,800 square foot permanent above ground structure would be constructed at the Hanford site to house equipment associated with the operation of the storage tank. The principal exterior building material would be concrete mansonry unit (CMU) construction.

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

Bayview Siphon

Removal of the storage shed at 2347 South Rainier Street would alter the appearance of the property.

Hanford Storage Tank

The appearance of the 2700 South Hanford Street property would be permanently altered by removal of the existing building. The new accessory building associated with the storage tank would be much smaller than the existing building so the site would appear more open and undeveloped.

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

None proposed.

11. Light and Glare

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

Some light would be produced from construction activity proposed at nighttime to minimize impacts to traffic on Rainier Avenue South.

b. Could light and 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.

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

None proposed.

12. Recreation

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

The 43-acres Cheasty Greenspace is located within 0.10 of a mile of the Hanford site and 0.15 mile of the Bayview site.

Cheasty Boulevard, an approximately 19-acre boulevard type park, was originally the entrance to Jefferson Park southwest of the Hanford site. The boulevard begins at South Della Street approximately 0.25 miles south of the Hanford site and extends 1.3 miles to Jefferson Golf Course.

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 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.

No.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific or cultural importance known to be on or next to the site.

A historic landfill is present north of the Hanford site.

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

Archaeological testing is recommended on the Hanford site to determine whether the landfill extends below the proposed project site.

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.

Bayview Siphon

The Bayview site is proposed partially within the right-of-way of Rainier Avenue South. The property at 2346 Rainier Avenue South where the new siphon will connect to the existing brick sewer is also accessed by Rainier Avenue South.

Hanford Storage Tank

The Hanford site can be accessed off of South Hanford Street via either Martin Luther King Junior Way or South Winthrop Street.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

The Bayview site is served by Metro Transit. The Mt. Baker Sound Transit Link Station is located approximately 500 feet north of the Hanford site.

c. How many parking spaces would the completed project have? How many would the project eliminate?

The Hanford storage tank site would include parking for operations and maintenance staff.

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).

Road surfaces that are removed or disturbed to construct the proposed project would be restored to their pre-construction condition following completion of the project.

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

The Sound Transit light rail tracks are located just east of the Hanford site.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Bayview Siphon

Approximately 200 truck trips would be generated during construction of the Bayview portion of the project.

Hanford Storage Tank

Approximately 1,700 truck trips would be generated during construction of the Hanford portion of the project.

The storage tank site would be visited by maintenance staff approximately once per week following completion of the project.

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

Bayview Siphon

Temporary localized traffic impacts are anticipated for approximately 6 months during construction of the siphon inlet within the travel lanes of Rainier Avenue South. The three center lanes of Rainier Avenue South would be closed intermittently during that period of time to construct the siphon inlet structure and connect the siphon pipe to the Hanford Trunk. Lane closures and detours are anticipated to temporarily impact traffic during construction. The contractor would be required to submit a traffic control plan to the City for approval prior to the start of construction.

The presence of overhead trolley wires along Rainier Avenue South creates a conflict for proposed construction activity in Rainier Avenue. Work must occur on weekends when overhead lines can be de-energized unless trolley lines can be relocated. To minimize traffic impacts and impacts to Metro Transit weekend work is proposed in this location.

Hanford Storage Tank

Construction of the diversion structure and pipe in Martin Luther King Jr. Way would temporarily impact traffic for up to 8 months. Lane closures and detours are anticipated. The contractor would be required to submit a traffic control plan to the City for approval prior to the start of construction.

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.

No.

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

None proposed.

16. Utilities

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

Utilities currently available at the Hanford storage tank site include electricity, natural gas, water, telephone, refuse and sanitary sewer.

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.

Electricity, water and sewer would be needed to operate the completed project. Electricity is provided by City Light and water and sewer service is provided by Seattle Public Utilities.

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.

Signature: _____

Date Submitted: December 17, 2013

King County Greenhouse Gas Emissions Worksheet—Hanford@Rainier CSO Control Project

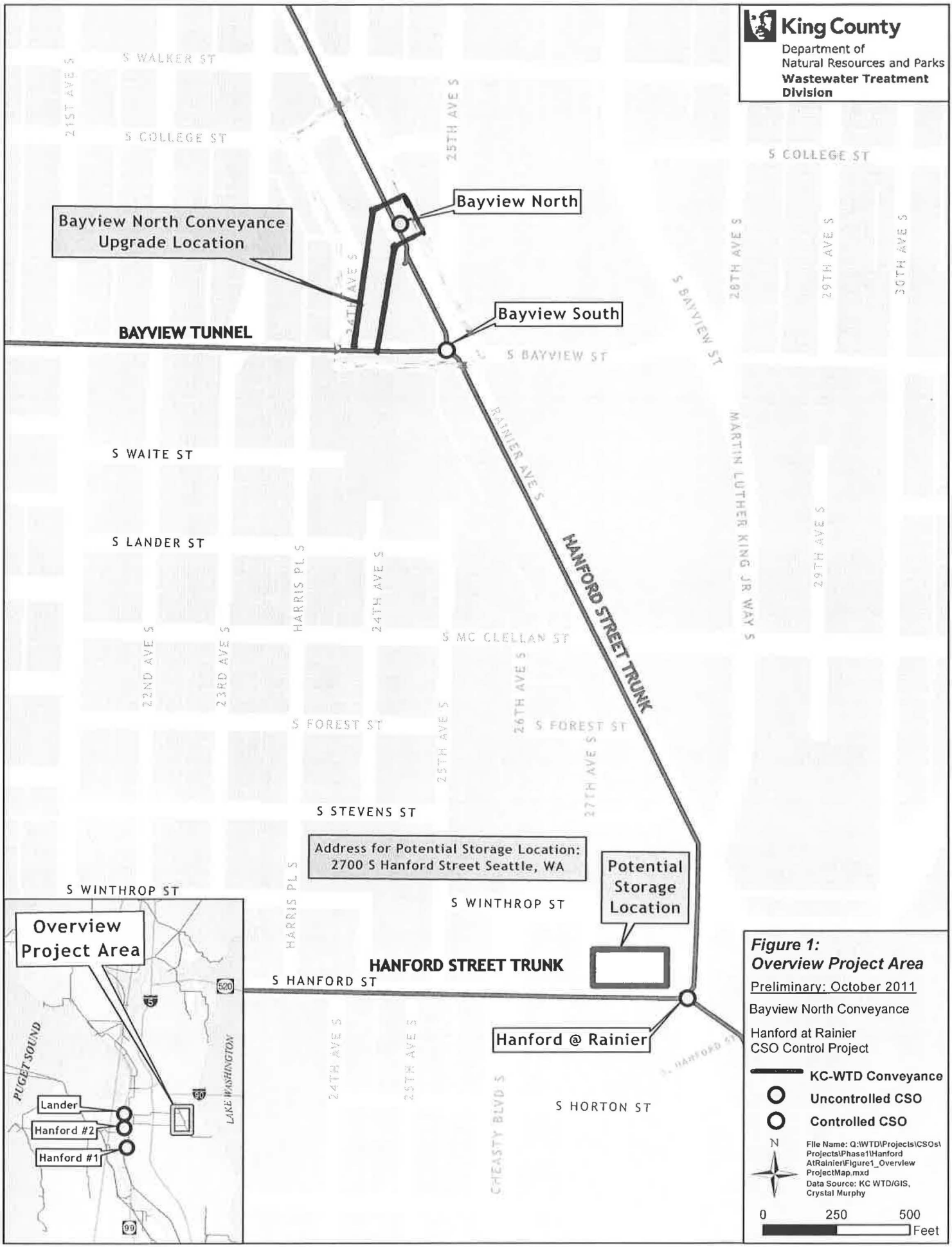
Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e)			**Lifespan Emissions (MTCO2e)**
			Embodied	Energy	Transportation	
Single-Family Home	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other Than Mall)		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
Public Assembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		2.0	39	1,278	257	**3148**
Vacant		0.0	39	162	47	**0**

Section II: Pavement

Pavement		3.00				**150**

Total Project Emissions: **3298**


King County
Department of
Natural Resources and Parks
Wastewater Treatment
Division
Bayview North
Bayview North Conveyance
Upgrade Location
Bayview South
BAYVIEW TUNNEL
S WALKER ST
S COLLEGE ST
S BAYVIEW ST
S WAITE ST
S LANDER ST
S MC CLELLAN ST
S FOREST ST
S STEVENS ST
S WINTHROP ST
S HANFORD ST
S HORTON ST
HANFORD STREET TRUNK
RAINIER AVE S
MARTIN LUTHER KING JR WAY S
21ST AVE S
22ND AVE S
23RD AVE S
24TH AVE S
25TH AVE S
26TH AVE S
27TH AVE S
28TH AVE S
29TH AVE S
30TH AVE S
HARRIS PL S
CHEASTY BLVD S
Address for Potential Storage Location:
2700 S Hanford Street Seattle, WA
Potential
Storage
Location
HANFORD STREET TRUNK
Hanford @ Rainier
Overview
Project Area
PUGET SOUND
LAKE WASHINGTON
Lander
Hanford #2
Hanford #1
520
5
90
99
Figure 1:
Overview Project Area
Preliminary: October 2011
Bayview North Conveyance
Hanford at Rainier
CSO Control Project
KC-WTD Conveyance
Uncontrolled CSO
Controlled CSO
N
File Name: Q:\WTD\Projects\CSOs\Projects\Phase1\Hanford AtRainier\Figure1_OverviewProjectMap.mxd
Data Source: KC WTD/GIS, Crystal Murphy
0
250
500
Feet