King County

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

DETERMINATION OF NONSIGNIFICANCE (DNS)

TITLE OF PROPOSAL: North Mercer/Enatai Interceptor Inspection

DESCRIPTION OF PROPOSAL: The King County Wastewater Treatment Division (WTD) proposes to inspect three angle structures and three maintenance hole structures that are part of the existing North Mercer/Enatai Interceptor sewer pipeline in Lake Washington in order to assess pipeline conditions. The angle structures are all located beneath the bottom of the lake and will require excavation of up to approximately 37 cubic yards each (111 cubic yards total) to allow for visual inspection. Excavated material will be side-cast within an in-water work area isolated with a floating turbidity curtain that will contain turbid water and exclude fish. Upon completion of the inspection, excavated material will be used to backfill the excavated area, a clean fish mix will be spread over the disturbed area and restored to baseline conditions. One angle structure may not allow for side-casting due to fine sediment and mud substrate. At this structure, a diver may need to simply confirm the depth of the structure and general layout by hand without a clear visual. No fish mix will be placed at this structure. The three manhole structures are located waterward of the Ordinary High Water Mark, but the lid for each manhole structure is located above the water surface elevation. Each manhole structure is also located beneath existing residential docks. Accessing the maintenance hole structures under the existing residential docks will require temporary removal of decking; however, no support structure for the residential docks will be modified. All work associated with accessing the maintenance hole structures, including dock modifications will occur above the water surface and no in-water work will be required. WTD anticipates completing the work during the approved "fish window" from July 16-31, 2018.

LOCATION OF PROPOSAL, INCLUDING STREET ADDRESS, IF ANY: The structures that will be inspected are part of the North Mercer/Enatai Interceptor sewer pipeline segment traversing Lake Washington between Enatai Beach Park and Mercer Slough in Bellevue, Washington.

Responsible Official:	Mark Isaacson
Position/Title:	Director, King County Wastewater Treatment Division
Address:	201 South Jackson Street, MS KSC-NR-0501 Seattle, WA 98104-3855
Date: 5-11-18	**Signature:**
Proponent and Lead Agency:	King County Department of Natural Resources and Parks Wastewater Treatment Division
Contact Person:	Jim Sussex, Water Quality Planner King County Wastewater Treatment Division 201 South Jackson Street, MS KSC-NR-0505 Seattle, WA 98104 phone: 206-477-3556; e-mail: jim.sussex@kingcounty.gov
Issue Date:	May 15, 2018

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 17 days from the issue date. **Comments must be submitted by June 1, 2018.** Submit comments to Katherine Fischer, Managing Supervisor, Environmental Services Unit, King County Wastewater Treatment Division, 201 South Jackson Street, MS KSC-NR-0505, Seattle, WA 98104-3855.

☒ Written appeals of this threshold determination must be received by the SEPA Responsible Official at the above address **no later than 5 p.m., June 1, 2018, and must be accompanied by a $250 fee.** The appeal must follow the procedure established in King County Public Rule PUT 7-4-1. The rule may be viewed at http://www.kingcounty.gov/operations/policies/rules/utilities/put741pr.aspx, or contact Jim Sussex at 206-477-3556 or jim.sussex@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.]

King County
Department of Natural Resources and Parks
Wastewater Treatment Division
King Street Center, KSC-NR-0505
201 South Jackson Street
Seattle, WA 98104

Environmental Checklist

for the

King County Wastewater Treatment Division North Mercer/Enatai Interceptor Inspection

May 2018

Prepared in compliance with the State Environmental Policy Act (SEPA) (RCW 43.21C), the SEPA Rules (WAC 197-11), and Chapter 20.44 King County Code, implementing SEPA in King County procedures.

This information is available in accessible formats upon request at 206-477-5371 (voice) or 711 (TTY).

ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:

North Mercer/Enatai Interceptor Inspection

2. Name of applicant:

King County Wastewater Treatment Division (WTD), Department of Natural Resources and Parks (DNRP)

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

King County Wastewater Treatment Division
201 South Jackson Street, MS: KSC-NR-0505
Seattle, WA 98104-3855

Contact:
Jim Sussex, Water Quality Planner/Project Manager
Telephone: 206-477-3556
Email: jim.sussex@kingcounty.gov

4. Date checklist prepared:

May 10, 2018

5. Agency requesting checklist:

King County Department of Natural Resources and Parks, Wastewater Treatment Division

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

Inspections would occur during the approved in-water work window: July 16-31, 2018. Work would require one to two weeks to complete.

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

The proposed inspection will provide additional information about the current condition of specific Enatai Interceptor pipeline features. This information will also be used to inform the final design for the planned re-lining of the Enatai Interceptor that will be

done as part of the North Mercer Island Interceptor and Enatai Interceptor Upgrade Project that is planned to begin in 2020.

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

   A Joint Aquatic Resource Permits Application (JARPA) and a Biological Evaluation for compliance with Section 7 of the federal Endangered Species Act have been prepared for this project. A draft *Predesign: Cultural Resources Report* dated October 18, 2017, was prepared by Jacobs Engineering for the North Mercer Island Interceptor and Enatai Interceptor Upgrade Project that includes the project area for the proposed inspection activity.

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 other proposals have been identified that will be directly affecting the property covered by the proposed project other than the future re-lining of the subject pipeline as part of the North Mercer Island Interceptor and Enatai Interceptor Project noted above in response to question number 7.

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

    - U.S. Army Corps of Engineers Section 404 and Section 10 permits.
    - Washington State Department of Ecology Section 401 Water Quality Certification.
    - Washington State Department of Fish & Wildlife - Hydraulic Project Approval
    - City of Bellevue Shoreline Exemption, and Critical Areas Land Use Exemption

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.**

    The proposed work will evaluate three maintenance hole covers and three angle structures along the existing sewer pipeline that runs along the shoreline of Bellevue, from Enatai Beach Park eastward toward Mercer Slough (see attached figures). The pipeline features that will be inspected are all located in-water; however, the three maintenance hole structures can be accessed from existing docks and will consist of over-water work. Work associated with the evaluation of this sewer pipeline will require approximately one to two weeks to complete, and will occur during the approved in-water work window (July 16-31, 2018).

In-Water Work

In-water work associated with inspecting the angle structures will be performed from a boat/barge. This work will occur as follows:

- Installing a floating turbidity curtain enclosure to contain sediments and exclude fish. The turbidity curtain will be deployed over the top of the angle structure to be inspected and fanned out to exclude fish from the isolated in-water work area within the turbidity curtain. The turbidity curtain will be anchored along the bottom with sand bags.
- Sediment within the containment system will be excavated from an area approximately 18.5 feet by 18.5 feet and 5.5 feet deep, removing approximately 37 cubic yards of material from around each of the three angle structure sites. Sediment will be excavated by water jetting, venturi pump, or a similar system. The sediment removal is necessary to expose the angle structure for inspection and evaluation. The excavated sediment at the angle structures will be side-cast within the in-water work area isolated by the enclosed turbidity curtain. If side-casting is not practical, which may be the case at AS09, or if turbidity within the isolated in-water work area becomes too high because of side-casting, the contractor will have a diver confirm the depth of the structure and general layout by hand without a clear visual.
- Once exposed, each angle structure will be evaluated to determine its structural condition, verify the type of lid it has, and inform possible options related to the future access, maintenance, rehabilitation, or replacement of the sewer line.
- For AS03 and AS05, backfill the excavated area with the native material side-cast and place a layer of clean fish-mix over the top and tied into adjacent existing lake bottom contours. For AS09, replace the native material that was side-cast.
- Let turbidity return to allowable conditions in accordance with WAC 173-201A-200 (1)(e) within the isolated in-water work area.
- Remove the turbidity curtain and sand bag anchors, and demobilize the boat/barge.

Over-Water Work

The three maintenance hole structures are all located above the water surface elevation of Lake Washington, with each structure located beneath existing residential docks. To access each maintenance hole structure, the existing residential docks will need to have decking temporarily removed. Only the decking necessary to access the maintenance hole structures will be removed. None of the support structures for the residential docks will be modified. An access hatch will be placed on the docks. All work associated with the maintenance hole structure inspections will occur above- or over-water, no in-water work will be required

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 Lake Washington, between Enatai Beach Park and Mercer Slough (see attached figures). The legal description for the project location is Township 24N, Range 05E, Section 8. The latitude and longitude of the angle structures and maintenance hole structures to be inspected are below:

- AS03: -47.578707 / -122.196644
- AS05: -47.578489 / -122.195352
- AS09: -47.578384 / -122.189311
- R08-01: -47.578544 / -122.195738
- R08-02: -47.578080 / -122.194027
- R08-03: -47.577975 / -122.192698

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site

(circle one): (Flat,) rolling, hilly, steep slopes, mountainous, other _____.

The project is located in the lake, just off-shore. Adjacent uplands are relatively flat and rolling.

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

All work is will occur on relatively flat lake bottom areas.

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.

Lake bottom sediments.

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

Not applicable.

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 work will occur in the lake, and only affect substrates on the lake bottom.

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

There is no upland work associated with the proposal.

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

Not applicable.

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

Not applicable.

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.

Air emissions will be generated by the operation diesel- and gasoline-powered water vessels and barge-mounted construction equipment used for underwater excavation (e.g., water-jetting or suction dredging). Air quality effects from the intermittent operation of this equipment in Lake Washington for one to two weeks will be negligible. Post-construction operations would not result in any emissions beyond baseline. See attached King County Greenhouse Gas Emissions Calculator.

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:

Equipment used for construction will be properly maintained.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Lake Washington and Mercer Slough. The project is located in Lake Washington, just off-shore, between Enatai Beach Park and Mercer Slough.

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.

Yes, the project will require the inspection of three existing angle structures and three existing maintenance hole structures, as described under A.10.

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.

As described above in section A.11, up to approximately 111 cubic yards of material will be excavated from the lake bottom to expose three existing angle structures (AS03, AS05 and AS09). Approximately 37 cubic yards would be excavated to expose each angle structure. The excavated material would be side-cast within the in-water work area isolated within the floating turbidity curtain. Substrates to be excavated from AS09 are comprised of silt, mud and fine sediment which may not be suitable for side-casting (if that causes excessive turbidity within the inspection area). If a significant increase in turbidity does occur from side-casting, the contractor will have a diver confirm the depth of structure below the mud line and determine the general layout by hand without a clear visual. Once the excavated material is replaced in areas disturbed from the inspection of the angle structures, a clean fish-mix will be placed across the top of the disturbed areas and smoothed to tie into the adjacent existing lake bottom contours. Only native material will be replaced at AS09. No fish-mix or other material will be imported and placed at AS09.

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

Not applicable.

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

Not applicable.

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.**

Not applicable.

b. Ground Water:

1) **Will ground water 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 ground water? Give general description, purpose, and approximate quantities if known.**

No.

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.**

Not applicable.

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.**

Not applicable.

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

Not applicable.

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

Not applicable.

4) **Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:**

Not applicable.

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
_____ Orchards, vineyards, or other permanent crops
_____ wet soil plants: ~~cattail~~, buttercup, ~~bullrush~~, skunk cabbage, other
X_____ water plants: water lily, eelgrass, milfoil, other
_____ other types of vegetation

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

Any milfoil present within the contained area of excavation for the angle structure inspections will be removed. Inspection of AS09 will require removal of water lily.

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

No.

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

Not applicable.

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

No noxious weeds or invasive species have been identified near the project site.

5. Animals

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

Examples include:
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.

Puget Sound Chinook salmon, Puget Sound steelhead, and bull trout are known to be in or near the project area at time. King County has prepared a Biological Evaluation to address the potential effects of the proposed project on these listed species. Following a review of the Biological Evaluation as part of the required Endangered Species Act consultation process, the United States Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS) have concurred with the *may affect, but not likely to adversely affect (NLAA)* determinations in the Biological Evaluation for their respective species of concern.

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

Yes, salmonids migrate and rear in Lake Washington, including the project area. Migratory birds, such as waterfowl and songbirds also migrate through the area.

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

Isolation of the in-water work area will avoid or minimize impacts to fish that may occur near the project.

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

Nonnative fish do occur in Lake Washington, including bass, northern pike and other nonnative fish that likely prey upon juvenile salmonids. New Zealand Mud Snails are also know to occur in parts of Lake Washington.

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.

Not applicable. The project involves the inspection of existing sewer pipeline features that will not result in the need new energy needs.

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:

Not applicable.

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.

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

The project site is within the Tacoma smelter plume area, with arsenic levels under 20 parts per million. No other contamination of concern in the lakebed sediments at the site have been identified or are expected.

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.

None.

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.

Not applicable.

4) Describe special emergency services that might be required.

Should a project-related accident occur that results in an injury, an ambulance or similar medical emergency services may be required.

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

Best Management Practices related to the handling and storage of any environmental health hazards will be implemented during the inspections to avoid and minimize the potential hazard.

b. Noise

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

The primary source of noise is from traffic on Interstate 90 which is located directly adjacent to the project site. Intermittent noise may also occur from recreational watercraft being operated nearby on Lake Washington, primarily during the summer.

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.**

Short-term noise will be generated by construction equipment (e.g., water jetting or venturi pump, and generators) and water vessel operation during project activities. No changes to long-term noise levels will be associated with the inspections.

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

Project activities will occur during approved daytime work hours.

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.**

Land use along the shoreline adjacent to the project area consists of Enatai Beach Park (a City of Bellevue public park with lake access), single-family residential development along the shoreline, and Interstate 90. The project would not affect current land uses on nearby or adjacent properties.

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

No. The proposed work is within Lake Washington.

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.**

Existing structures on the site are components of the existing sewer pipeline that is buried along the lake bottom with access maintenance holes. Existing residential docks are also located above the three maintenance hole structures to be inspected and along the adjacent shoreline.

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

No. However, small sections of three residential docks will be modified to allow access to the three maintenance hole structures to be inspected. Modifications will include removal of decking from a portion of the docks, above the maintenance hole structures. The support piling of the docks will not be modified. No in-water work will be required.

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

The shoreline designation is Urban Conservancy (AS03); Shoreline Residential (AS05, R08-01, R08-02 and R08-03), and; Urban Conservancy (AS09). Upland areas are zoned single-family residential.

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

According to the comprehensive plan for City of Bellevue, the adjacent upland areas are designated as single-family residential.

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

The City of Bellevue's shoreline designation is Urban Conservancy (AS03); Shoreline Residential (AS05, R08-01, R08-02 and R08-03), and; Urban Conservancy (AS09).

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

The project is located in Lake Washington, which is a Shoreline, a designated critical area in the City of Bellevue.

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

Not applicable.

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

Not applicable.

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

Not applicable.

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

Not applicable.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

Not applicable.

9. Housing

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

There is no housing associated with the proposed work.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

No housing will be eliminated.

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

Not applicable.

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?

No new structures are proposed. The existing sewer maintenance holes that will be inspected are just above or below the water surface in Lake Washington.

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

None. Existing sewer infrastructure will not be altered.

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

None. Existing sewer infrastructure will not be altered.

11. Light and Glare

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

None. Work will be done during normal daytime work hours.

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

No. Existing sewer infrastructure will not be altered.

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:

Not applicable.

12. Recreation

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

Enatai Beach Park provides public access to the lake for swimming, and non-motorized watercraft rental during the summer. Angle structure AS03 is located just to the east of the main dock for this park.

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

No. Project activity would be heard and seen by park users, but it would not prevent the existing recreational uses at that facility.

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

Not applicable.

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 located on or near the site? If so, specifically describe.

Work will be limited to accessing and inspecting existing sewer pipeline features located on the bottom of Lake Washington that were previously disturbed. Prior to the early 1900's, Lake Washington flowed to Puget Sound via the Black River and the lake water surface elevation was approximately nine feet higher than the current elevation. Therefore, based on the level of disturbance, there is no potential for any cultural or historic resources to be present in areas to be disturbed during the proposed work

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.

No, see response to 13a above.

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 proposed work involves the inspection of an existing sewer pipeline within Lake Washington that will be re-lined as part of the future North Mercer Island Interceptor and Enatai Interceptor Upgrade Project for which a cultural resources survey and inventory has been conducted by Jacobs Engineering. The cultural resources investigation did not identify any historic buildings, structures, or archaeological sites within the areas where work will occur for the proposed inspection project.

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.

Excavation will be limited to small areas of the lakebed within Lake Washington that were previously disturbed by pipeline construction. The proposed work will be done in accordance with applicable permit conditions. However, no specific measures to address the disturbance of cultural resources are anticipated.

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.

Interstate 90 traverses the Enatai neighborhood immediately north of the project area. Street access to the properties adjacent to the in-water work area is provided via SE Lake Road.

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?

The project area is served by public transit. The nearest King County metro stop is approximately 500 feet north of Angle Structure AS03/Enatai Beach Park, at the corner of 106th Avenue SE and 108th Avenue SE.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

No parking spaces would be added or lost.

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

No.

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

Work will occur along shoreline in Lake Washington, although no public water transportation uses will be adversely affected.

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

None. The proposed maintenance activity will not change future vehicular trips.

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

No.

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

Not applicable.

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:

Not applicable.

16. Utilities

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

Not applicable. The project is limited to the inspection of existing in-water, sewer pipeline features.

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.

Not applicable.

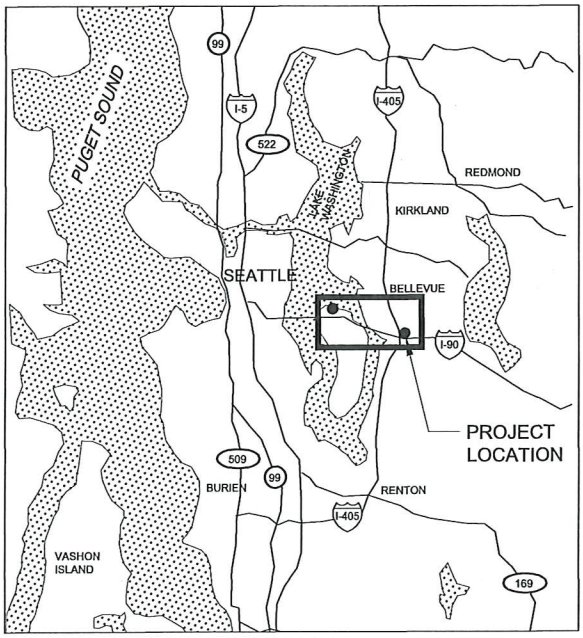
C. SIGNATURE

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.

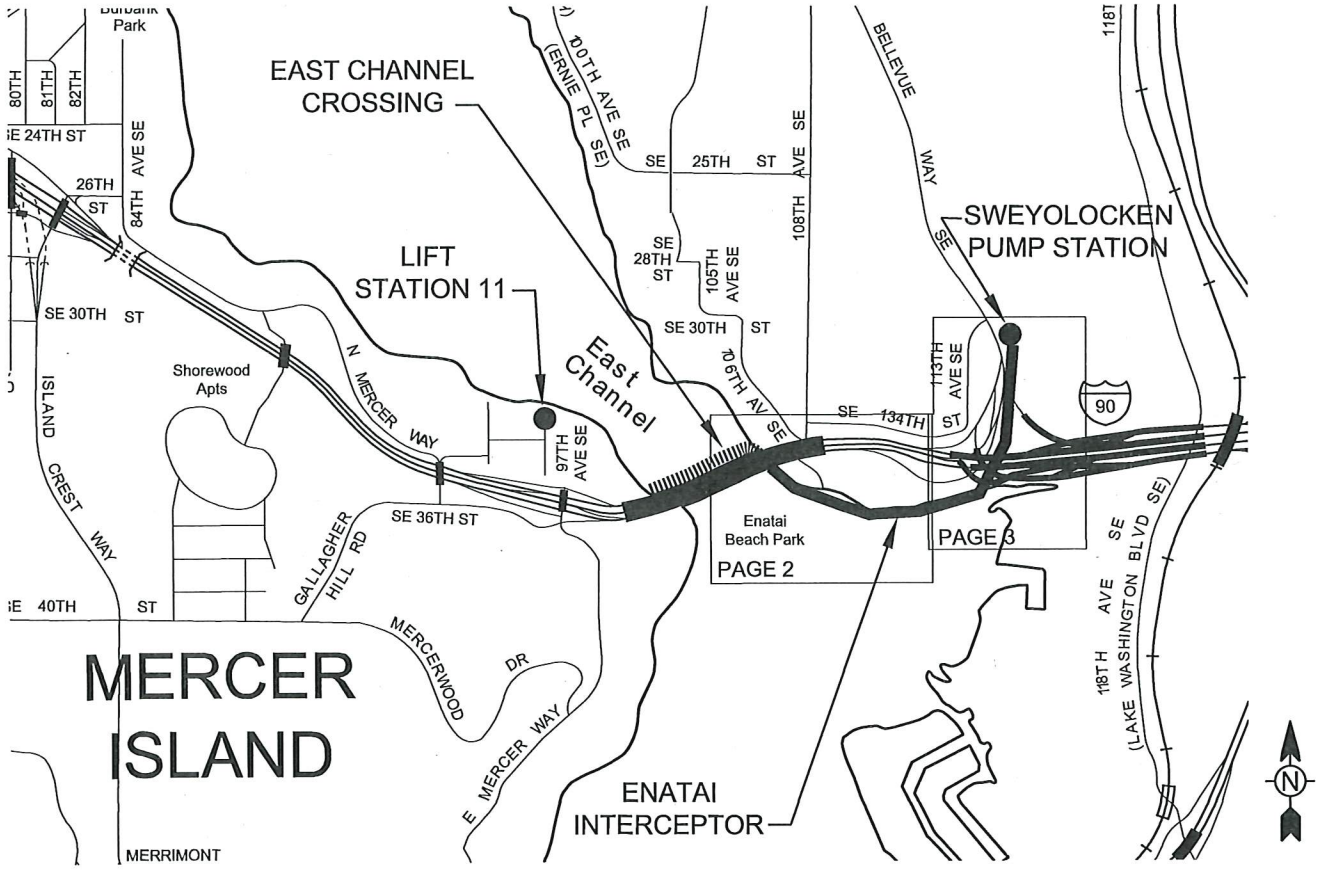
Signature: Pamela Ebbe for Katherine Fischer

Katherine Fischer, Environmental Programs Managing Supervisor
King County WTD, DNRP

Date Submitted: May 10th, 2018



LOCATION MAP
SCALE: NONE



VICINITY MAP
SCALE: NONE

REFERENCE: Figure 1 APPLICANT: King County Wastewater Treatment Division King Street Center 201 South Jackson Street KSG-NR-0502 Seattle, Wa 98104	LOCATION: SECTION 08 T. 24N R.5E PAGE: **1** of 3 DATE: 1/8/18	PROPOSED PROJECT: North Mercer/Enatai Interceptor Inspection IN: LAKE WASHINGTON AT: BELLEVUE COUNTY: KING STATE: WASHINGTON

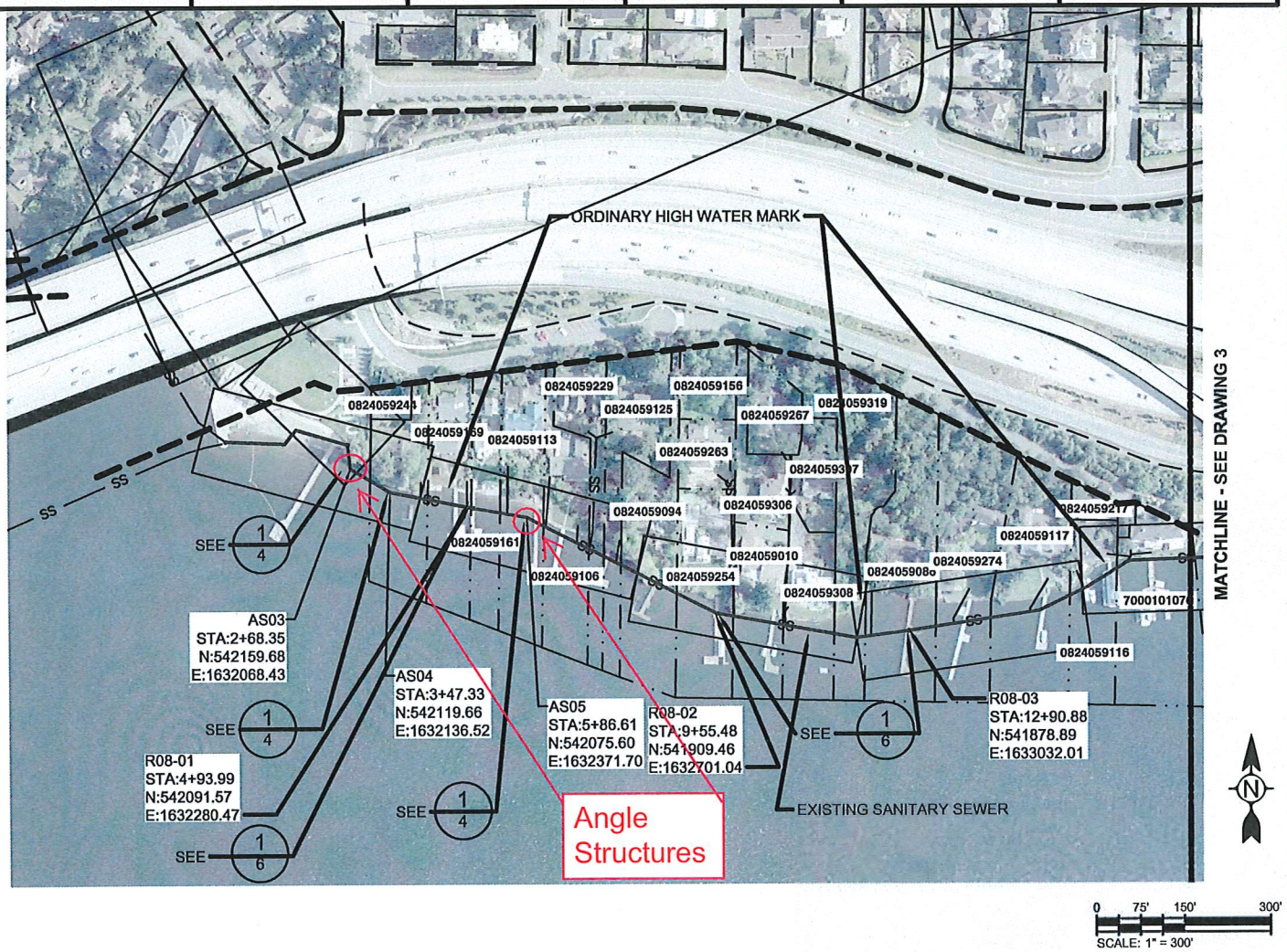
Path: P:\12539\200-12539-18001\CAD\SheetFiles\JARPA\Angle Structure\Method One-VIN MAP.dwg Plot date: Jan 10, 2018-04:59:08pm CAD User: ALEXANDRA.DER.

ANGLE STRUCTURE LOCATIONS

STRUCTURE	LONGITUDE	LATITUDE	PROPERTY OWNER	PARCEL NUMBER	PROPERTY ADDRESS
AS 03	47.578707	-122.196644	Cit y of Bellevue	2344300006	3519 108th Ave SE, Bellevue, WA 98004
AS 05	47.578489	-122.195352	Lund W Chin	824059113	10831 SE Lake Rd, Bellevue, WA 98004

MANHOLE LOCATIONS

STRUCTURE	LONGITUDE	LATITUDE	PROPERTY OWNER	PARCEL NUMBER	PROPERTY ADDRESS
R08-01	47.578544	-122.195738	Khaja & Asma Ahmed	824059161	10825 SE Lake Rd, Bellevue, WA 98004
R08-02	47.578080	-122.194027	Daniel W & Helena D Shorett	824059254	10929 SE Lake Rd, Bellevue, WA 98004
R08-03	47.577975	-122.192698	Jeffrey Haynie	824059086	11015 SE Lake Rd, Bellevue, WA 98004



REFERENCE: Figure 2

APPLICANT:
King County Wastewater Treatment Division
King Street Center
201 South Jackson Street
KSG-NR-0502
Seattle, Wa 98104

LOCATION:

SECTION 08 T. 24N R.5E

PAGE: **2** of 3 DATE: 1/8/18

PROPOSED PROJECT:
North Mercer/Enatai
Interceptor Inspection

IN: LAKE WASHINGTON
AT: BELLEVUE
COUNTY: KING
STATE: WASHINGTON

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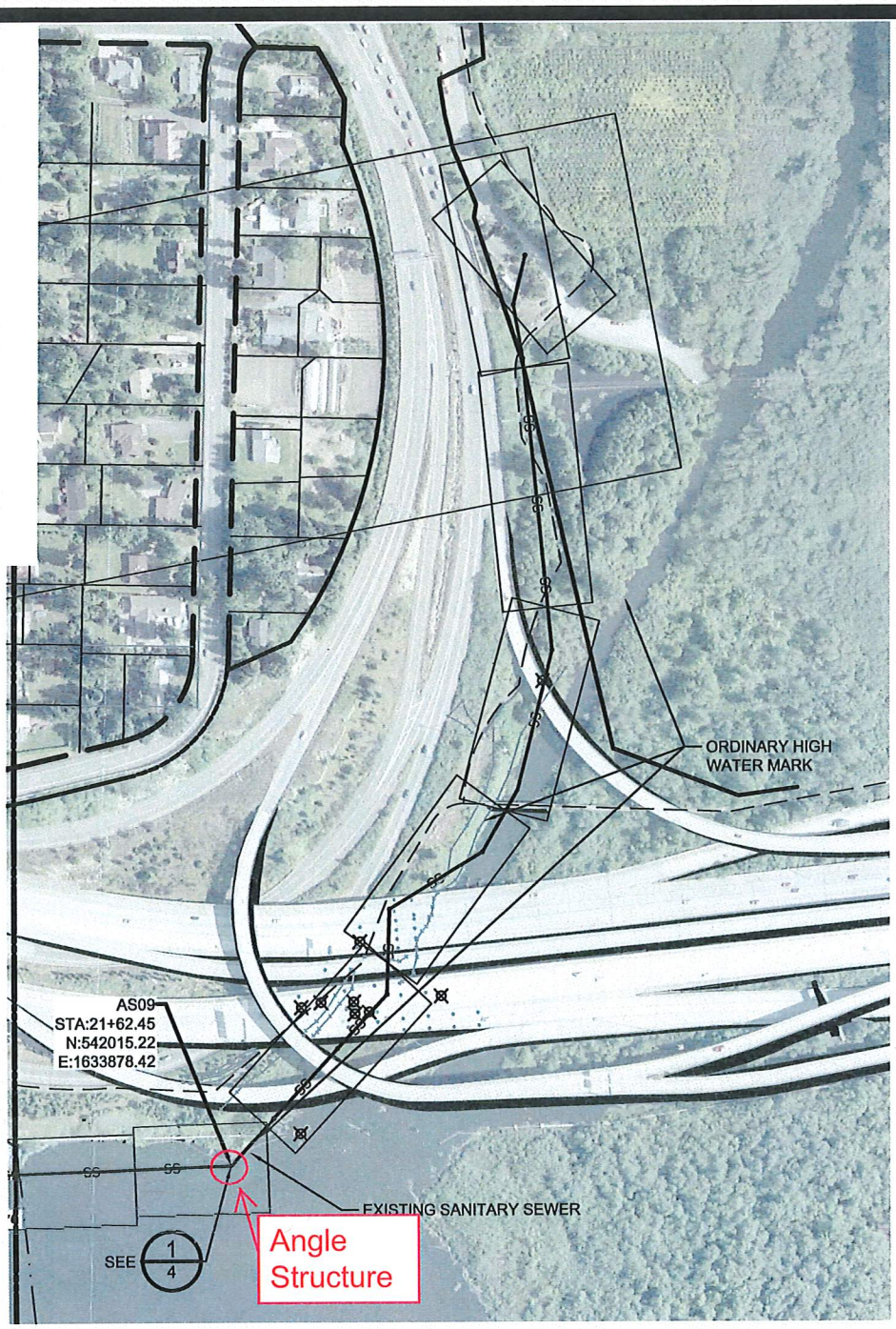

ANGLE STRUCTURE LOCATIONS

STRUCTURE	LONGITUDE	LATITUDE	PROPERTY OWNER	PARCEL NUMBER	PROPERTY ADDRESS
AS 09	47.578384	-122.189311	Department of Natural Resources	7000101015	11205 SE Lake Rd, Bellevue, WA 98004

0 75' 150' 300'
SCALE: 1" = 300'

REFERENCE: Figure **3**

APPLICANT:
King County Wastewater Treatment Division
King Street Center
201 South Jackson Street
KSG-NR-0502
Seattle, Wa 98104

LOCATION:

SECTION 08 T. 24N R.5E

PAGE: **3** of **3** DATE: 1/8/18

PROPOSED PROJECT:
North Mercer/Enatai
Interceptor Inspection

IN: LAKE WASHINGTON
AT: BELLEVUE
COUNTY: KING
STATE: WASHINGTON

King County Greenhouse Gas Emissions Calculator:
North Mercer/Enatai Interceptor Inspection SEPA DNS

Instructions

Use this calculator to quantify emissions from energy use, water use, and vehicle miles traveled, for either the construction phase **or** the ongoing operations phase of the project. The calculator will convert any data entered into metric tons of CO2 equivalent (MTCO2e). Therefore, all data **must** be entered in the correct input unit (see 'input unit' column). If your data is in different units than those in the calculator, utilize the conversion tables to the right.

For construction, enter the total amount of fuel and other energy sources used while constructing the project, as well asthe total amount of water used.
For ongoing operations, enter the estimated electricity and/or fuel that the project will use on an annual basis, and the expected lifetime of the project. Enter estimated annual water use in the same way.

Fuel use vs. VMT for ongoing project operations: if you do not have an estimate for transportation fuel use, substitute vehicle miles traveled (VMT). Enter the total annual miles traveled and the anticipated lifetime of the project in years. Do not enter both VMT and transportation fuel use for ongoing project operations.

Project Input	Data Input		Input Unit	Output		Additional Calculations
Energy Use	**Construction**	**Operations**		**MTCO2e**		**Project Life (years)**
enter in the amount of electricity or fuel used by project phase						
Electricity			kWh	0	0	
Gasoline[1]	70		gallons	0.7931	0	
Diesel[1]	500		gallons	6.24	0	
Natural Gas			therms	0	0	
Heating Oil			gallons	0	0	
Jet Fuel			gallons	0	0	
Steam			Mlb	0	0	
Propane			gallons	0	0	
Energy Use--Biofuels						**Project Life (years)**
Green Electricity[2]			kWh	0	0	
Biogenic Sources[3]						
Biodiesel[1]			gallons	0	0	
Landfill gas or Biogas[2]			MMBtu	0	0	

Project Input	Data Input	Input Unit	Output		
Vehicle Miles Traveled (VMT)			**MTCO2e**		**Project Life (years)**
enter the estimated annual VMT for the project		miles	0	0	

Project Input	Data Input	Input Unit	Output		
Water Use ('watergy')			**MTCO2e**		**Project Life (years)**
enter the amount of water used by project phase		gallons	0	0	

1. Lifecycle GHG Emissions (includes both combustion and fuel production)
2. Green electricity and biogas are considered carbon-neutral energy sources; CO2e output is zero
3. Please separately calculate and note any biogenice sources of greenhouse gas emissions

Conversions	
kWh	MWh
1	0.001

kg	Metric Tons
1	0.001

therm	MMBtu
1	0.1

Mlb	MMbtu
1	1.095

CCF	gallon
1	748

King County Greenhouse Gas Emissions Calculator:
North Mercer/Enatai Interceptor Inspection SEPA DNS

	Project or Tool Input		Output	Additional Calculations	Final Output
a	Energy		MTCO2e	Project Life (years)	MTCO2e
		Construction phase	7		7.03
		Operations phase	-	0	-
b	Water		MTCO2e	Project Life (years)	MTCO2e
		Construction phase	-		-
		Operations phase	-	0	-
c	Transportation (VMT)				MTCO2e
	KC Employee Commute Climate Pollution Map		Av MTCO2e	# employees	
			-	0	-
	KC Residential Transportation Climate Pollution Map		Av MTCO2e	# households	MTCO2e
			-	0	-
d	Embodied Energy		MTCO2e		MTCO2e
			-		-
1	Waste Reduction Model (WARM)		MTCO2e		MTCO2e
			-		-
2	URBEMIS		lbsCO2/day	# project days	MTCO2e
			-	0	-
3	Roadway Construction Emissions Model		tonsCO2/project		MTCO2e
			-		-
4	Build Carbon Neutral		MTCO2		MTCO2e
			-		-
5	Tree Carbon Calculator		kgCO2	# trees	MTCO2e
			-	0	-
6	Reforestation Calculator		MTCO2e		MTCO2e
			-		-

NET Project Impact
MTCO2e
7.03

Conversions	
lbs	Metric Tons
0.00045359237	1
Short Tons	Metric Tons
0.90718474	1
grams	Metric Tons
0.000001	1
kg	Metric Tons
0.001	1