



DEVELOPMENT SERVICES DEPARTMENT
 ENVIRONMENTAL COORDINATOR
 450 110th Ave NE
 BELLEVUE, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: Debbie Harris, City of Bellevue Utilities

LOCATION OF PROPOSAL: City-Wide

DESCRIPTION OF PROPOSAL: Pipe sample collection of the public sewer line located in Lake Washington and adjacent upland areas within the jurisdictions of Bellevue, Medina, Hunts Point, and Yarrow Point.

FILE NUMBERS: 15-124407-WE **PLANNER:** Reilly Pittman

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

- There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on _____.
- This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on **12/24/2015**
- This DNS is issued under WAC 197-11-340(2) and is subject to a 14-day comment period from the date below. Comments must be submitted by 5 p.m. on _____. This DNS is also subject to appeal. A written appeal must be filed in the City Clerk's Office by 5:00 p.m. on _____.

This DNS may be withdrawn at any time if the proposal is modified so as to have significant adverse environmental impacts; if there is significant new information indicating a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project); or if the DNS was procured by misrepresentation or lack of material disclosure.

Myriam N. Ramirez 12/10/2015
 Environmental Coordinator Date

OTHERS TO RECEIVE THIS DOCUMENT:

- State Department of Fish and Wildlife / Stewart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- Attorney General ecyolyef@atg.wa.gov
- Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

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

A. Background

1. Name of proposed project, if applicable: Sewer Lake Line Condition Assessment Phase 2, Lake Washington

2. Name of applicant: City of Bellevue, Debbie Harris, PE

3. Address and phone number of applicant and contact person: 450 110th Ave NE, Bellevue, WA 98009-9012, 425-452-4367

4. Date checklist prepared: September 2015

5. Agency requesting checklist:

Cities of Bellevue, Medina, Yarrow Point and Hunts Point

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

The work is proposed by the City of Bellevue Utilities which provides sewer service to Medina, Yarrow Point, and Hunts Point. Based on communication with these jurisdictions, the City of Bellevue is the lead agency and is responsible for procedural compliance with SEPA.

Project will be started and is anticipated to be complete in 2016. It is anticipated that a few hours will be required at each location for the work proposed. Work within the lake will be performed during the available work windows as dictated by approvals from the Corps of Engineers and Washington Department of Fish and Wildlife (WDFW).

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

The current plan is to obtain up to 20 pipe samples. Upon evaluation of the pipe samples an additional six pipe samples may be collected along the length of the sewer pipe in Lake Washington. Should additional samples be required they would be subject to the terms and conditions of the existing permits.

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

Nine pipe coupons were previously taken from the sewer lake line in 2012. The work was performed under a project to cover exposed pipe, "Exposed Lake Line" project. Environmental information and permits were obtained at that time to perform the work. HPA 123430-1 from that project has not expired (expires April 26, 2016).

Expired permits from the "Exposed Lake Line" project include:

- City of Bellevue, Shoreline Substantial Development Exemption - #11-104-341-WD
- City of Medina, Grading and Drainage Permit – #G-031209-2518
- City of Hunts Point, Shoreline Substantial Development Exemption - #SX-09-03
- Dept. of Army, Section 10 & Section 404 - #NWS-2005-1209-NO

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.

City of Bellevue:

- Shoreline Exemption with SEPA
- Clearing and Grading Permit

City of Medina:

- Grading/Drainage Permit
- Shoreline Exemption

City of Yarrow Point:

- Shoreline Exemption

City of Hunts Point:

- Shoreline Exemption

Washington State Department of Fish and Wildlife (DFW)

- Hydraulic Project Approval (HPA)

US Army Corps of Engineers (Corps)

- Nationwide Permit #3 (Section 404 and 10)

Washington Department of Ecology (Ecology)

- Water Quality Certification (Section 401)

The work is proposed by the City of Bellevue Utilities which provides sewer service to Medina, Yarrow Point, and Hunts Point. Based on communication with these jurisdictions, the City of Bellevue is the lead agency under WAC 197-11-924 and is responsible to ensure procedural compliance and review under SEPA for the project. The applicant must obtain any permits or approvals from each jurisdiction that may be required for the proposed work.

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 proposed work will take up to 20 pipe samples from the sewer lake line that runs along the shores of Yarrow Point, Hunts Point, Medina and Bellevue. No samples will be taken within the Beaux Arts or King County jurisdictions. The pipe samples will be used to determine the condition of the pipe. See attached figures.

It is anticipated that approximately four of the sample locations will be on the land above the ordinary high water mark and that approximately 15 samples will be taken from pipe that is in the lake.

The on-land work will consist of excavating to uncover the pipe, taking the pipe sample (approximately 4" diameter section), placing a repair band over the sample location, filling and compacting the trench, and surface restoration. The project anticipates an average of 8 CY of excavation at each on-land location. The total excavation at the four on land sites is anticipated to be 32 CY with an equivalent amount of fill.

The in-water work will consist of placing a turbidity curtain to contain sediments and exclude fish, if required, removing the soil over the pipe up to a depth of 2' by water jetting, taking the pipe sample (approximately 4" diameter section), placing a repair band over the sample location and restoring the material over the surface to an even grade. Some of the sewer pipe

in the lake is on the lake bed and some is buried. Initially the silt curtain will not be fully enclosed to allow fish to exit as a diver swims around the perimeter before closing the turbidity curtain and excluding fish from entering. The average depth of the pipe is anticipated to be 1'. Based on the average depth we anticipate an average of 2 CY of excavation per location for a total of approximately 30 CY of excavation for all 15 locations in the water and an equivalent amount of fill.

The total excavation and fill for all locations would be approximately 124 cubic yards.

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.

Please see the attached figures which shows where the pipe samples are proposed to be taken graphically. The addresses of the proposed locations are listed below, please note that these locations may shift by one or two parcels as the project progresses:

On-Land

1. 4644 95th Ave NE, Yarrow Point
2. 3304 78th Place NE, Medina,
3. 1631 73rd Ave NE, Medina
4. SE 64th Street Right of Way, Bellevue (west of Hazelwood Lane)

In-Water

1. 4601 91st Ave NE, Yarrow Point
2. 8809 NE 34th St, Yarrow Point
3. 4046 Hunts Point Road, Hunts Point
4. 3440 Evergreen Point Road, Medina
5. 3660 Fairweather Lane, Medina
6. 7887 Overlake Drive W, Medina
7. 8835 Overlake Drive W, Medina
8. 9567 Lake Washington Boulevard NE, Bellevue
9. 9520 SE Shoreland Drive, Bellevue
10. 817 SE Shoreland Drive, Bellevue
11. Chism Beach Park, Bellevue
12. 1663 Killarney Way, Bellevue
13. 2047 Killarney Way, Bellevue
14. 3203 106th Avenue SE, Bellevue
15. 5666 Pleasure point Lane, Bellevue

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

(circle one): Flat rolling hilly, steep slopes, mountainous, other Lake Bed

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

The steepest slope for the on-land sites is approximately 18%.

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.

Sand, silt and gravel.

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

No.

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.

The project anticipates an average of 8 CY of excavation at each location on-land. The total excavation on land is anticipated to be 32 CY. Some of the sewer pipe in the lake is on the lake bed and some is buried. The average depth of the pipe is anticipated to be 1'. Based on the average depth we anticipate approximately an average of 2 CY of excavation per location for a total of 30 CY of excavation for all 15 locations in the water.

Approximately 124 CY of excavation and fill are anticipated for the project.

Excavated material will be placed back in the area excavated to daylight the pipe at the sample locations. There is no surface grading anticipated.

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

No. The in-water work will be done from a barge or boat. A floating silt curtain will be installed around each in-water location prior to commencing work and will be removed after water quality sampling shows that water quality has returned to allowable limits.

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

None.

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

A storm water pollution prevention plan (SWPPP) will be prepared and incorporate Best Management Practices (BMPs) in conjunctions with local agency regulations. With implementation of the of the SWPPP there's no anticipated pollution runoff from the project.

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.

There may be some air pollution from the boat engine exhaust and the construction equipment being used for the work.

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

None.

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

Construction equipment shall be maintained and serviced on a regular basis to reduce the potential for air pollution. Equipment will be used only while actively working and idling will be kept to a minimum to prevent excess emissions and noise disturbances.

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

Lake Washington

- 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, work in-water will be completed from a barge or boat. The on-land locations are above the ordinary high water mark (OHWM) and within 200 feet of the OHWM. The on-land locations will be accessed from land.

- 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.

It is anticipated that there would be no material removed or added from the individual locations. The project will excavate approximately 32 CY on-land and 30 CY in-water. The same amount will be placed over the pipe using native soils. That is, the material excavated will be used to fill the excavation once the pipe samples have been taken.

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, sediment will be placed back in to the area excavated to daylight the pipe in order to obtain the sample.

The underwater pipelines being sampled will be depressurized so that lake water will flow into the sewer pipe for a short period until the pipe repair band covers the sample hole.

b. Ground Water:

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

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.

None.

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.

N/A

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

Yes, for the in-water locations the jetting of material to uncover the pipe could cause lake bed material to enter the water. A silt curtain is proposed which will confine the impact to the local area.

The underwater pipelines being sampled will be depressurized so that lake water will flow into the sewer pipe for a short period until the pipe repair band covers the sample hole.

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

No.

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

A silt curtain is proposed for in-water work which will confine the impact to the local area. A silt curtain, straw wattle, or similar best management practice (BMP) will be used to contain excavated material in the immediate vicinity of the on-land locations.

The project will be required to meet clearing and grading standards and BMPs required by the City's clearing and grading code BCC 23.76 and as required under applicable codes for Medina, Yarrow Point, and Hunts Point.

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?

The project may disturb a small amount of aquatic plants during the jetting operation of the in-water locations. The on-land locations may disturb lawn areas or landscaping. The lawn or landscaping areas will be restored to pre-existing conditions before completion of the project. These disturbances are not anticipated to be significant.

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

None are known.

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

The four on-land locations will be returned to existing conditions, including re-seeding or replacement of existing vegetation.

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

There is potential for Eurasian Milfoil to be on or near the pipe sample locations.

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.

Eagles, peregrine falcons, osprey, songbirds, salmon, bull trout and steelhead.

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

Chinook Salmon, Steelhead and Bull Trout

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

Adult and juvenile salmon migrate up and down lake, respectively, through Lake Washington. Migrating waterfowl may use the lake as resting and foraging areas during spring and fall migrations.

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

In-water work will be performed in the approved work windows for Chinook Salmon, Bull Trout, Steelhead and Sockeye Salmon. In-water work will begin by placing a turbidity curtain around a sample location, initially not fully enclosed to allow fish to exit as a diver swims the perimeter before closing the turbidity curtain and excluding fish from entering.

Pipe sample locations have been chosen which are more than 400' away from known eagle and osprey nests. Work will not occur in the vicinity of known Eagle and Osprey nests during nesting months (anticipated to be March – June)

- 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.

N/A

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

No.

- 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:

None.

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

The in-water work will be performed from a barge or boat and the on-land work may use excavators which would contain fuel or chemicals on-board.

- 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.

None known.

- 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.

None.

- 4) Describe special emergency services that might be required.

None.

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

Standard Best Management practices (BMPs) will be utilized such as spill control measures if and whenever required.

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.

There will be noise from the barge and jetting operations at the in-water locations and from excavation operations at the on-land locations. Construction will occur during normal working hours and no weekend work will be done.

Noise and allowed work times is regulated by BCC 9.18 and as required by the other jurisdictions.

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

Construction will occur during normal working hours and no weekend work will be done.

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 majority of the work will occur in Lake Washington near private single family residences. One sample will be taken at Chism Beach Park. There may be an interruption of use for a few hours to one day while the pipe coupon is being obtained at any one site. Advance notice will be provided to adjacent homeowners.

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.

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.

Upland locations contain single-family residences. In-water locations are within proximity of existing docks.

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

No.

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

Various designations.

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

Single Family

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

Currently, there is no designation. ***The City of Bellevue has no shoreline designations. The project may be within areas designated residential, transportation, and urban conservancy in Medina, Hunts Point, and Yarrow Point.***

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

Lake Washington. No other critical areas are known to exist within close proximity to each sampling location.

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

N/A, maintenance activity

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:

N/A, maintenance activity

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

N/A, maintenance activity

9. Housing

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

N/A

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

N/A

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 antennas; what is the principal exterior building material(s) proposed?

N/A

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

None.

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

Restore on-land sites to existing condition.

11. Light and Glare

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

None.

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

A concern was raised in the previous project that the stainless steel repair band at the in-water locations could cause glare that may affect boat drivers.

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:

The repair band will be wrapped with a dark colored Denso wrap to eliminate the potential for glare.

12. Recreation

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

Lake Washington provides swimming, boating, fishing and wildlife viewing opportunities. Additionally, multiple public parks are located along the shoreline.

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

The proposed project would displace the recreational activity during the day that work was occurring. The work at each sample location is anticipated to take a few hours to 10 hours. The displacement would be temporary in nature, limited to within 50' of the sample location, and is not considered significant.

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

None.

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.

No.

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 known.

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.

Soils that will be disturbed were placed during the original installation of the pipe.

- 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.

N/A, maintenance activity

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.

N/A

- 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?

N/A, maintenance activity

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

N/A, maintenance activity

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

No.

- 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?

N/A, maintenance activity

- 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:

N/A (none)

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.

None.

16. Utilities

a. Circle utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

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

N/A, maintenance activity

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: Debbie Harris, PE

Name of signee Debbie Harris, PE

Position and Agency/Organization Sr. Engineer, City of Bellevue Utilities

Date Submitted: 9/22/15



Legend

- (EC)** Existing Coupon
- (N)** New Coupon
- (NR)** Not Recommended Coupon
- ◆ Exposed Pipeline - June 2012
- Utility Locator - Aug 2012
- ▲ V&A Coupon Points Sept 2012
- ▲ V&A GPS Points Nov/Dec 2011
- GPR Survey Nov/Dec 2011

COB Existing Sewer System

- F Flush Station
- P Pump Station
- Forcemain
- Sewer Pipes
- Lake Line AC
- Lake Line CI
- Lake Line DI
- Lake Line

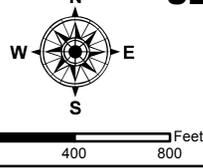
Base Layers

- Parcels
- King County Sewer Line
- Flow Direction
- Bellevue
- Hunts Point
- Medina
- Yarrow Point

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 Coordinate System: NAD_1983_StatePlane_Washington_North_FIPS_4601_Feet



Existing Sewer System: COB Jan 2011
 King County base data 2012
 Data sources supplied may not reflect current or actual conditions. This map is a geographic representation based on information available. It does not represent survey data. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



SEWER LAKE LINE CONDITION ASSESSEMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



Figure 1
 September 2015

Legend

- EC** Existing Coupon
- N** New Coupon
- NR** Not Recommended Coupon
- Exposed Pipeline - June 2012
- Utility Locator - Aug 2012
- V&A Coupon Points Sept 2012
- V&A GPS Points Nov/Dec 2011
- GPR Survey Nov/Dec 2011

COB Existing Sewer System

- F** Flush Station
- P** Pump Station
- > Forcemain
- Sewer Pipes
- Lake Line AC
- Lake Line CI
- Lake Line DI
- Lake Line

Base Layers

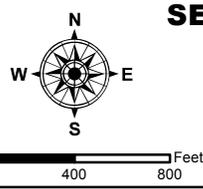
- Parcels
- King County Sewer Line
- Flow Direction
- Bellevue
- Hunts Point
- Medina
- Yarrow Point



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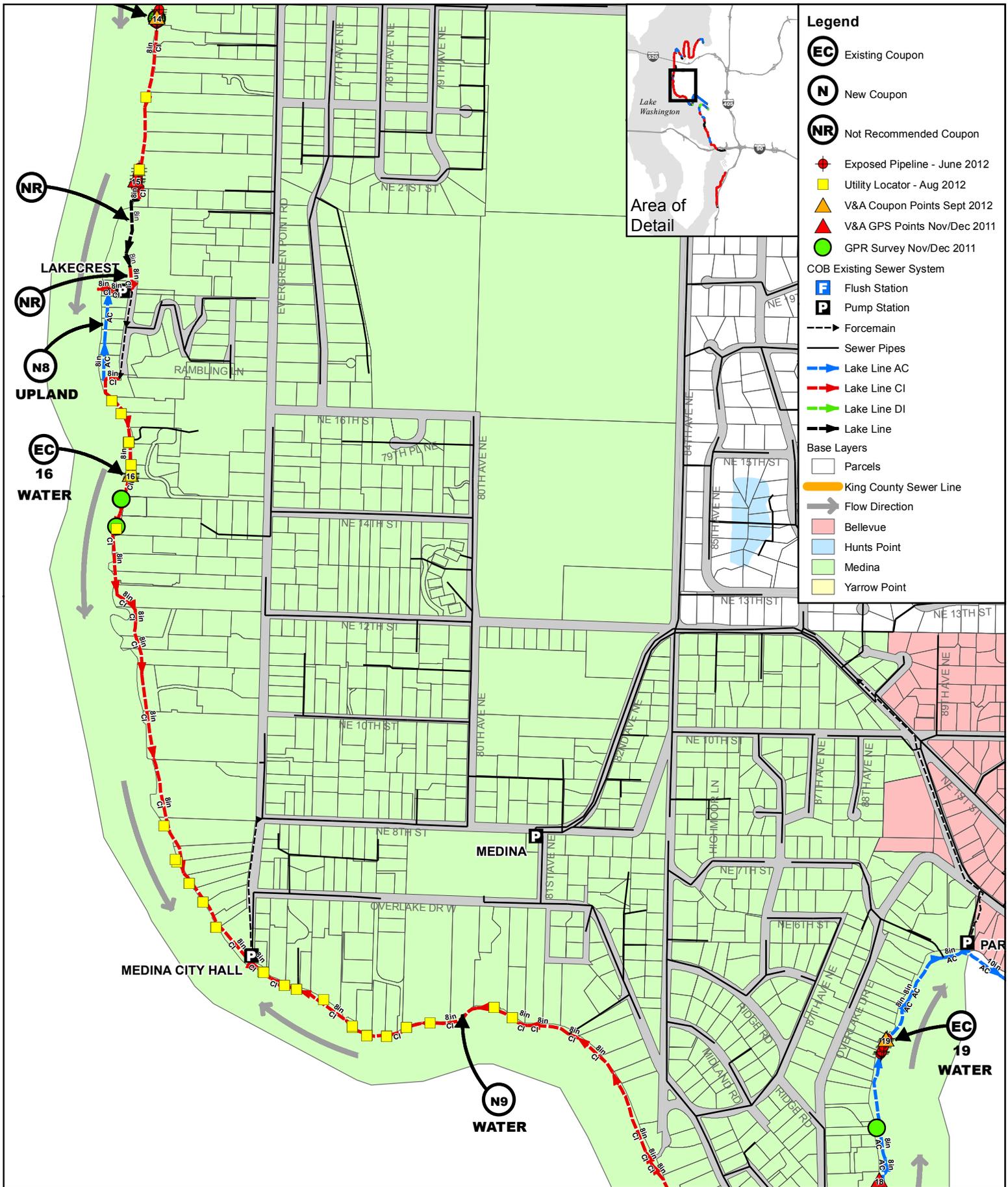
Existing Sewer System: COB Jan 2011
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SEWER LAKE LINE CONDITION ASSESSEMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



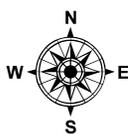
Figure 2
 September 2015



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Existing Sewer System: COB Jan 2011
 King County base data 2012
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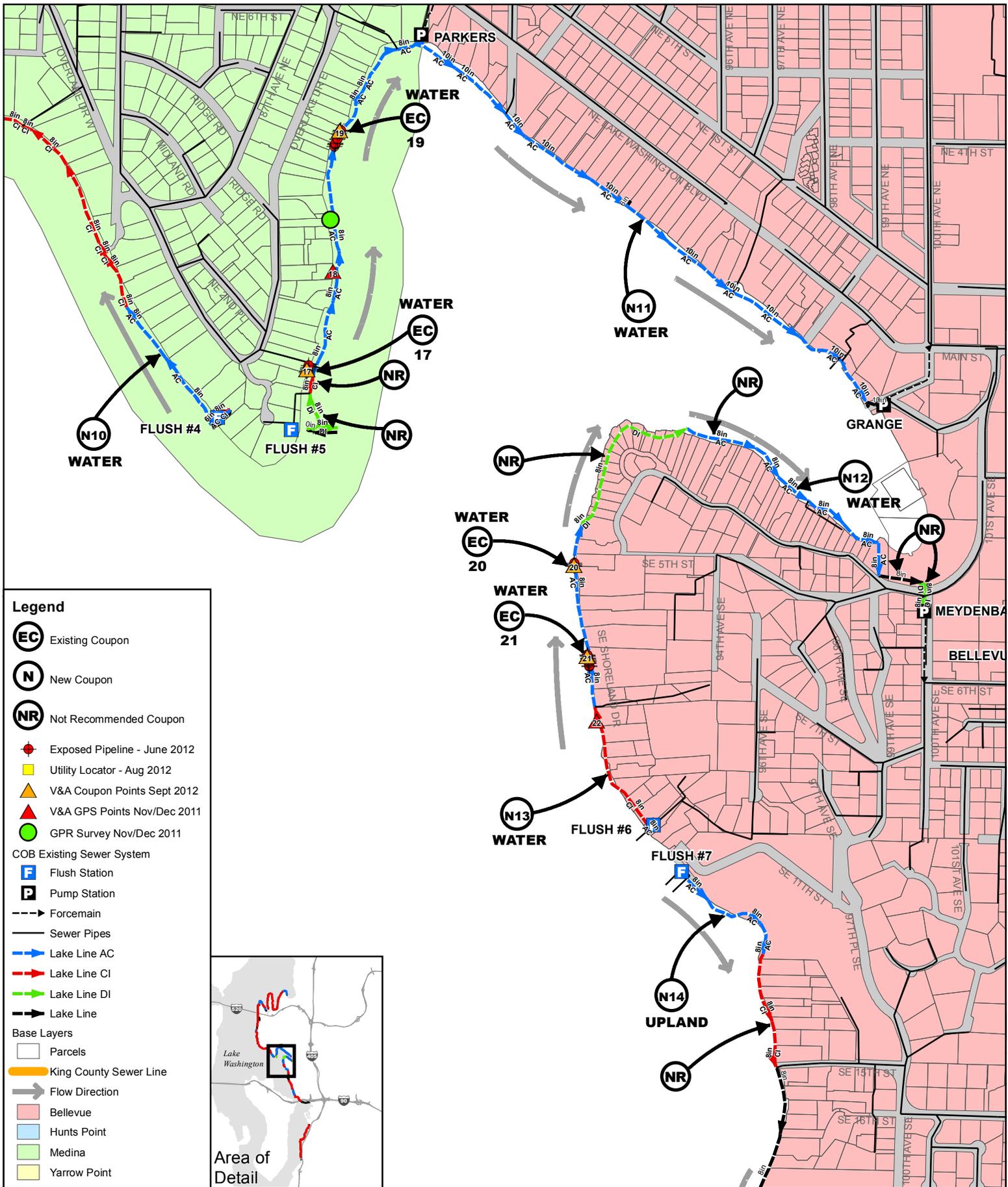


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SEWER LAKE LINE CONDITION ASSESSEMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



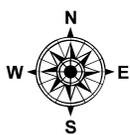
Figure 3
 September 2015



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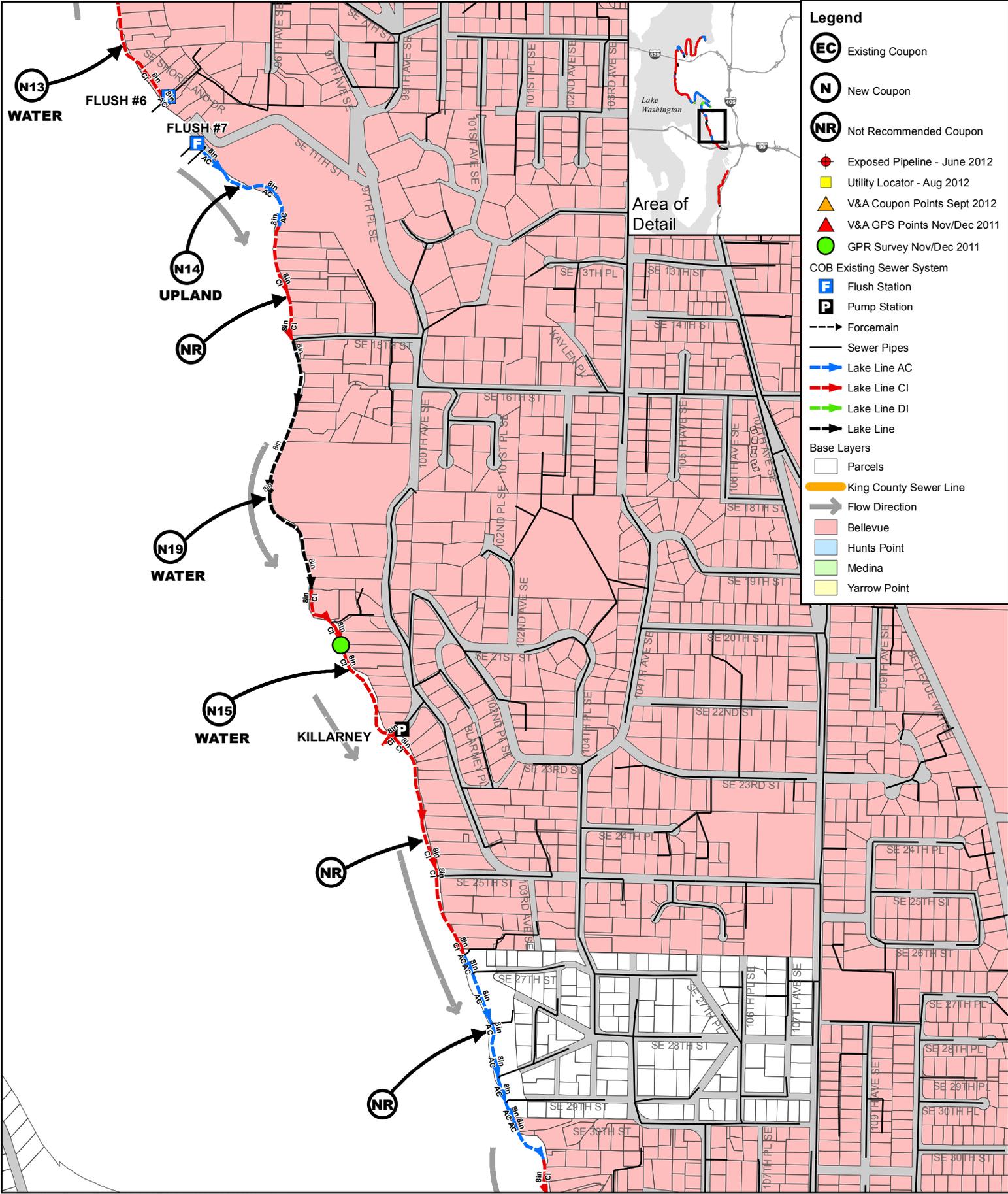
Existing Sewer System: COB Jan 2011
 King County base data 2012
 Data sources supplied may not reflect current or actual conditions. This map is a geographic representation based on information available. It does not represent survey data. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



SEWER LAKE LINE CONDITION ASSESSMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



Figure 4
 September 2015

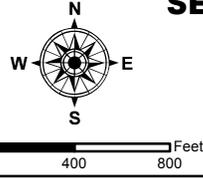


- Legend**
- (EC)** Existing Coupon
 - (N)** New Coupon
 - (NR)** Not Recommended Coupon
 - ◆ Exposed Pipeline - June 2012
 - Utility Locator - Aug 2012
 - ▲ V&A Coupon Points Sept 2012
 - ▲ V&A GPS Points Nov/Dec 2011
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- Flush Station
 - Pump Station
 - Forcemain
 - Sewer Pipes
 - Lake Line AC
 - Lake Line CI
 - Lake Line DI
 - Lake Line
- Base Layers
- Parcels
 - King County Sewer Line
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 - Medina
 - Yarrow Point

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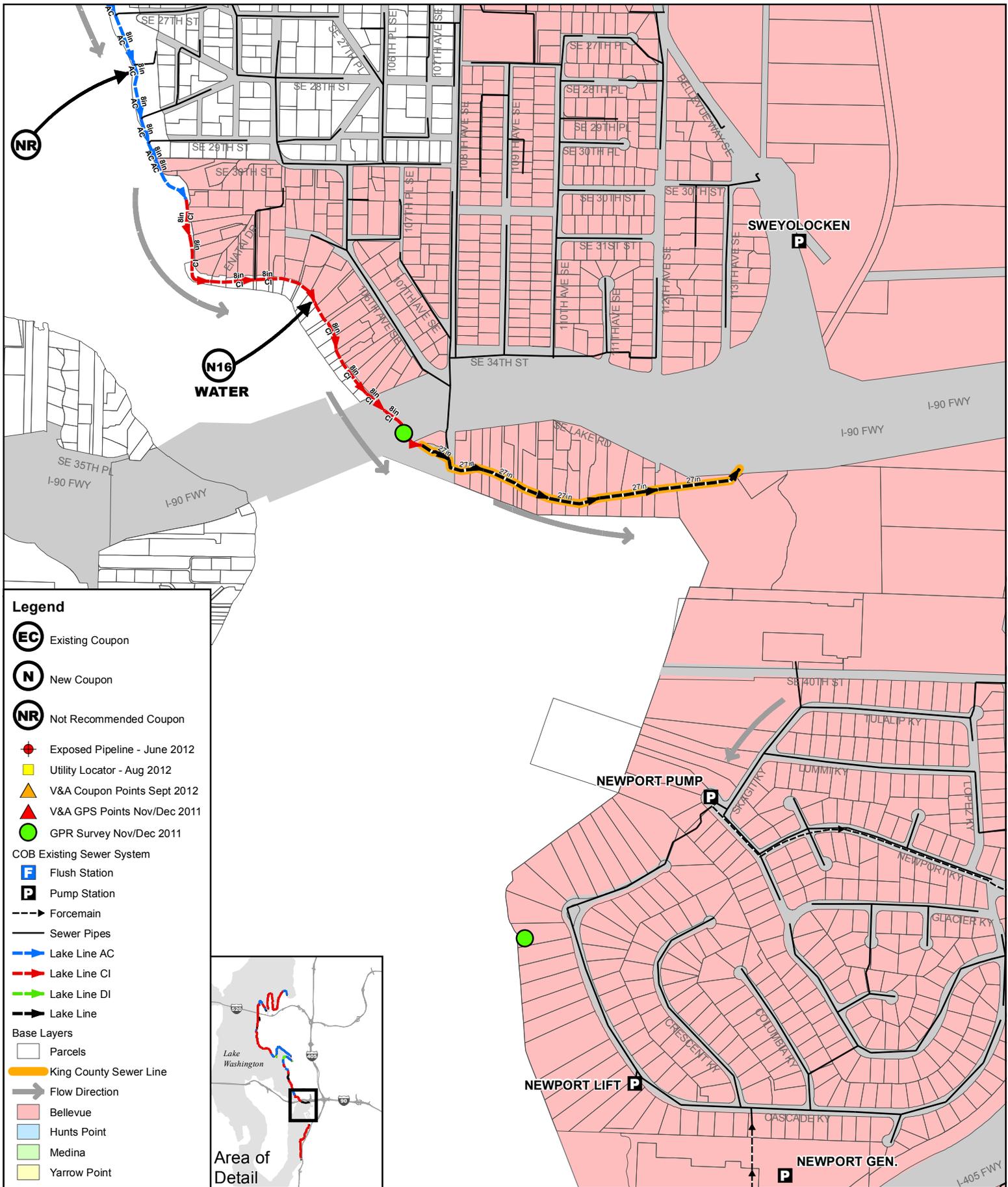
Existing Sewer System: COB Jan 2011
 King County base data 2012
 Data sources supplied may not reflect current or actual conditions. This map is a geographic representation based on information available. It does not represent survey data. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



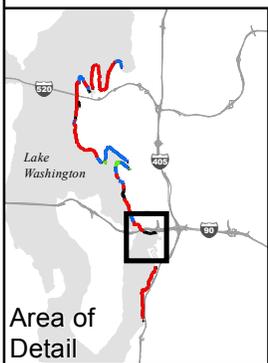
SEWER LAKE LINE CONDITION ASSESMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



Figure 5
 September 2015



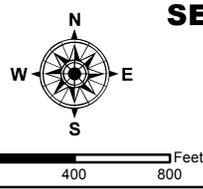
- Legend**
- EC** Existing Coupon
 - N** New Coupon
 - NR** Not Recommended Coupon
 - ⊕ Exposed Pipeline - June 2012
 - Utility Locator - Aug 2012
 - ▲ V&A Coupon Points Sept 2012
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 - GPR Survey Nov/Dec 2011
- COB Existing Sewer System**
- F Flush Station
 - P Pump Station
 - > Force Main
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 - Lake Line DI
 - Lake Line
- Base Layers**
- Parcels
 - King County Sewer Line
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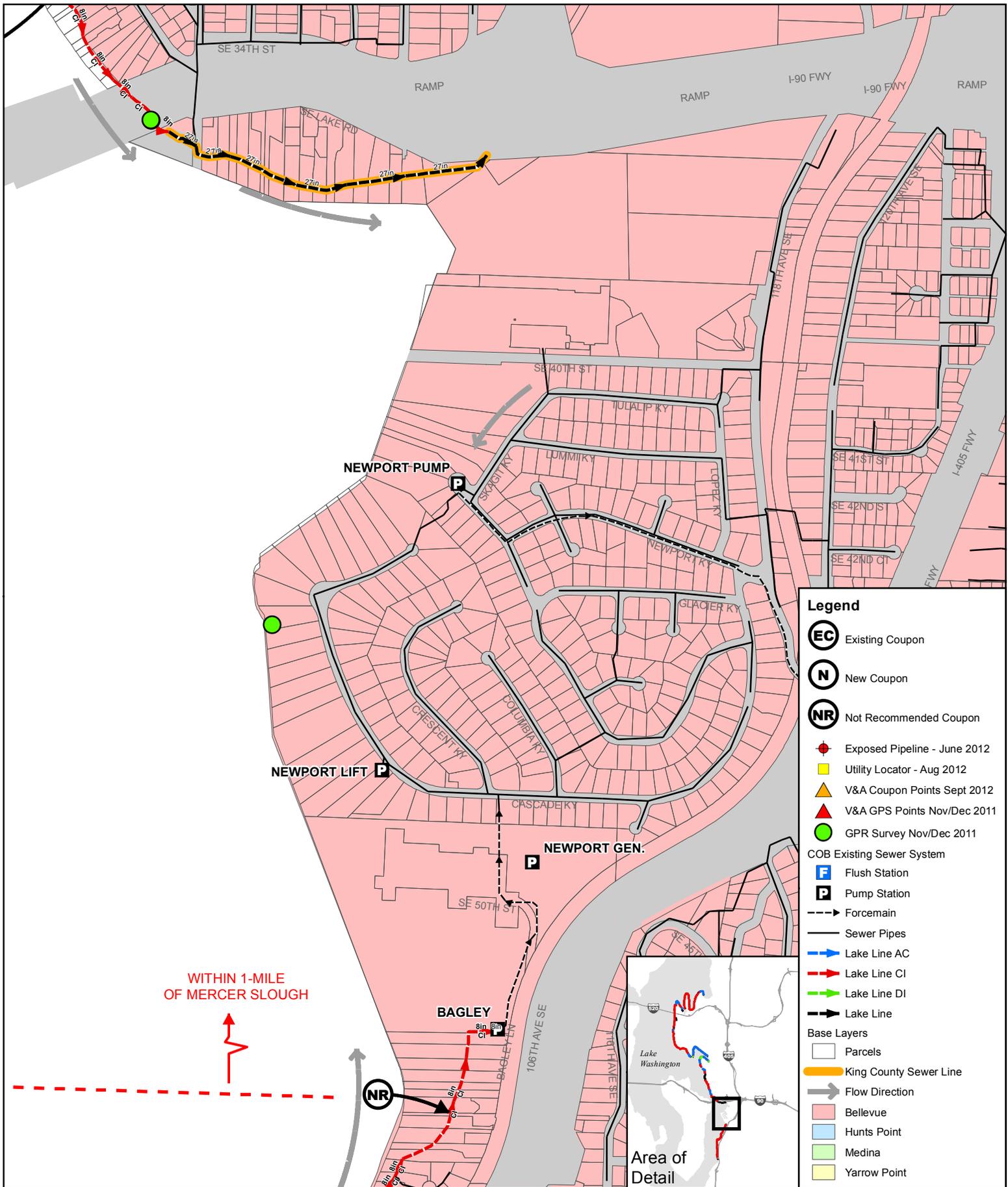
Existing Sewer System: COB Jan 2011
 King County base data 2012
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**SEWER LAKE LINE CONDITION ASSESSEMENT
 LAKE WASHINGTON PHASE I
 INVESTIGATION RESULTS**



Figure 6
 September 2015

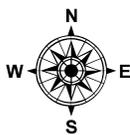


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 Coordinate System: NAD_1983_StatePlane_Washington_North_FIPS_4601_Feet



Existing Sewer System: COB Jan 2011
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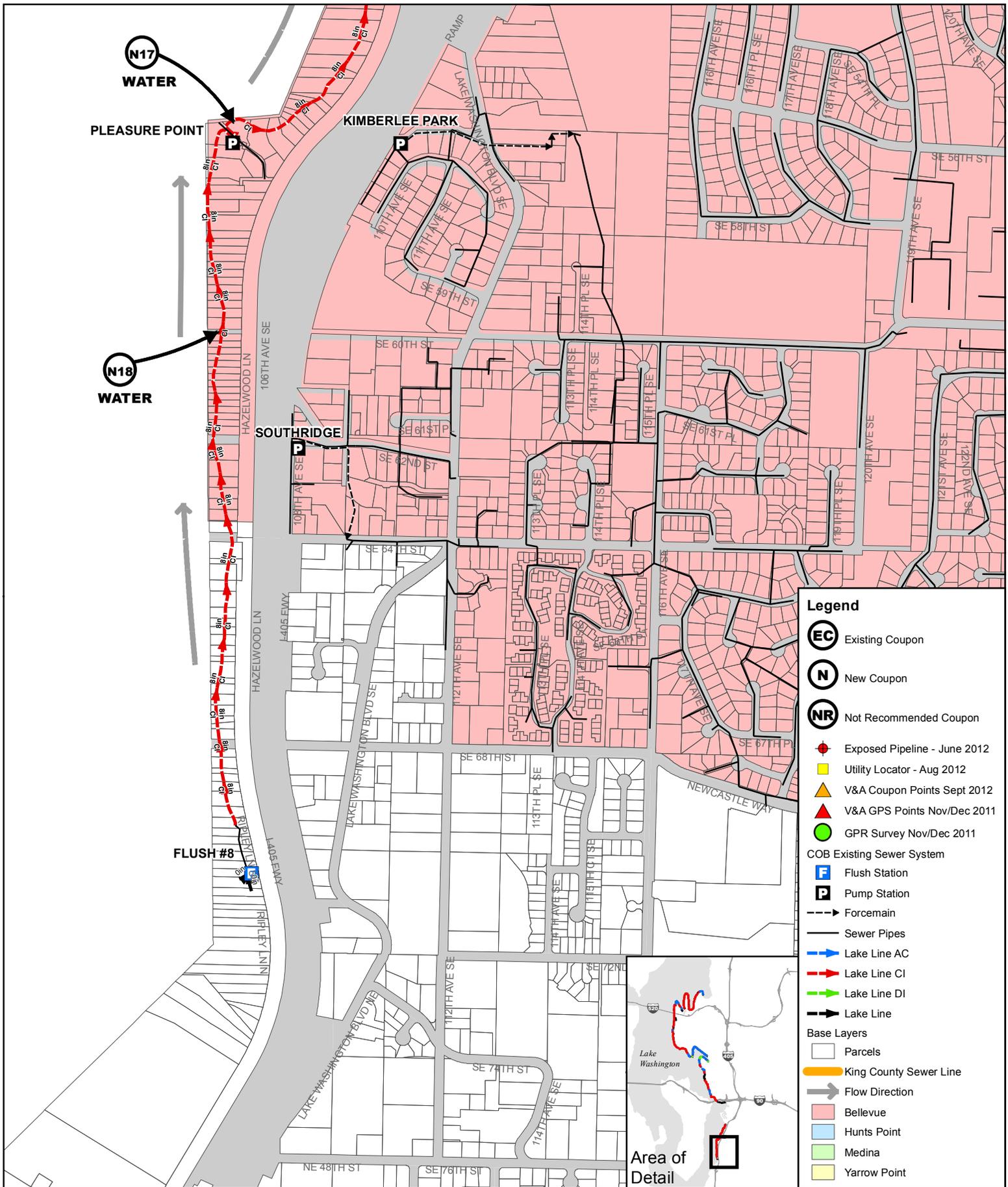


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SEWER LAKE LINE CONDITION ASSESSEMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



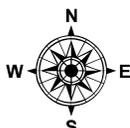
Figure 7
 September 2015



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Existing Sewer System: COB Jan 2011
 King County base data 2012
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SEWER LAKE LINE CONDITION ASSESSEMENT LAKE WASHINGTON PHASE I INVESTIGATION RESULTS



Figure 8
 September 2015

September 18, 2015

Debbie Harris
City of Bellevue Utilities
450 110th Ave NE
Bellevue, WA 98005

RE: **Sewer Lake Line Condition Assessment Phase 2, Lake Washington – Shoreline
Critical Area Compliance Narrative**
TWC project number: 090803

Dear Debbie:

This letter is intended to document compliance with applicable City of Bellevue critical area performance standards related to the proposed Sewer Lake Line Condition Assessment Phase 2 project in Lake Washington. In addition, this letter addresses shoreline exemption eligibility for the project.

Critical Areas/Shoreline Performance Standards

The proposed project includes the collection of multiple pipe samples from the existing sewer line, in both in-water and upland locations, in Bellevue, Medina, Hunts Point, and Yarrow Point. Bellevue Land Use Code (LUC) 20.25H.055.B allows for the repair and maintenance of exiting utility systems within shoreline critical areas and shoreline buffers and structure setbacks pursuant to the standards established in LUC 20.25H.055.C.1, 20.25E.080.B, and 20.25E.080.U. Therefore, please find below a demonstration of project compliance with each applicable performance standard.

20.25H.055.C.1 Performance Standards.

1. *Repair and Maintenance and/or Construction Staging.*

- a. *Work shall be consistent with all applicable City of Bellevue codes and standards;*

Response: Proposed maintenance activities will comply with all applicable City of Bellevue codes and standards, including LUC 23.76, 20.25H, and 20.25E.

- b. *Removal of significant trees is prohibited; and*

Response: No significant trees will be removed. Pipe sampling locations have been selected to avoid existing significant trees.

- c. Areas of temporary disturbance associated with the work shall be restored to pre-project conditions, pursuant to a restoration plan meeting the requirements of LUC [20.25H.210](#).*

Response: All sampling locations will be restored to a pre-project condition. Excavated in-water locations will be restored with the removed native substrate. Excavated upland areas will include re-use of native soils and restoration with in-kind landscaping (i.e. pre-existing grass areas restored with grass).

20.25E.080 Shoreline performance standards

B. General Regulations Applicable to All Land Use Districts and Activities.

- 1. Where applicable, all federal and state water quality and effluent standards shall be met.*

Response: Proposed maintenance activities will comply with all applicable federal and state water quality and effluent standards. A turbidity curtain is proposed for in-water work, which will confine temporary impacts to the local area. The curtain will remain in place until work is complete and turbidity has return to allowable levels. In addition, in-water sample locations will be depressurized, so lake water will flow into the sewer pipe for a short period until the pipe fitting has been placed over the sample hole. For upland samples, a silt curtain, straw wattle, or similar BMPs will be used to contain excavated soils to the immediate vicinity of the work and prevent silt-laden runoff.

- 2. If a property extends into the Shoreline Overlay District, the Shoreline Master Program Policies and these use regulations shall apply only to that portion of the property lying within the Shoreline Overlay District.*

Response: All proposed maintenance activities will occur within the Shoreline Overlay District, and therefore are subject to the shoreline use regulations.

- 3. All development within the Shoreline Overlay District shall be accompanied by a plan indicating methods of preserving shoreline vegetation and for control of erosion during and following construction in accordance with Part [20.25H](#) LUC, City of Bellevue Clearing and Grading regulations, Chapter [23.76](#) BCC, and the Comprehensive Plan.*

Response: All proposed sampling locations have been located to avoid disturbance to existing native vegetation. Upland locations will impact lawn and/or ornamental vegetation only. All areas of disturbance will be temporary and will be restored in-kind following completion of maintenance activities.

- 4. Special care shall be exercised to preserve vegetation in wetland, shoreline and stream corridor bank areas in order to prevent soil erosion. Removal of vegetation from or disturbance of shoreline critical areas and shoreline critical area buffers, and from other critical area and critical*

area buffers shall be prohibited, except in conformance with Part [20.25H](#) LUC and the specific performance standards of this section.

Response: Temporary disturbance will be limited to the minimum necessary in order to collect pipe samples. Applicable erosion control measures will be in place prior to and throughout the duration of maintenance activities. Vegetation to be removed from upland sampling locations will be limited to lawn and ornamental species. All areas of removed vegetation will be restored in-kind following completion of the sampling. It is expected that excavation, sampling activities, and in-kind restoration will be completed within a single day at each location.

5. *Maximum height limitation for any proposed structure within the Shoreline Overlay District shall be 35 feet, except in land use districts with more restrictive height limitations. The method of measuring the maximum height is described in WAC [173-14-030](#)(6). Variances to this height limitation may be granted pursuant to Part [20.30H](#) LUC.*

Response: No new structures are proposed as part of the subject maintenance activities.

6. *The Bellevue Shoreline Master Program, in conjunction with existing Bellevue land use ordinances and Comprehensive Plan policies, shall guide all land use decisions in the Shoreline Overlay District.*

Response: This provision is acknowledged.

7. *Any development within the Shoreline Overlay District shall comply with all applicable Bellevue ordinances, including but not limited to the Bellevue Land Use Code, Sign Code, and clearing and grading regulations.*

Response: Proposed maintenance activities will comply with all applicable City of Bellevue codes and standards, including LUC 23.76, 20.25H, and 20.25E.

8. *The dead storage of watercraft seaward of the ordinary high water mark of the shoreline is prohibited.*

Response: No storage of watercraft is proposed.

9. *Where applicable, state and federal standards for the use of herbicides, pesticides and/or fertilizers shall be met, unless superseded by City of Bellevue ordinances. Use of such substances in the shoreline critical area and shoreline critical area buffer shall comply with the City's "Environmental Best Management Practices."*

Response: The proposed maintenance activities do not include the use of herbicides, pesticides, or fertilizers.

10. *Adequate storm drainage and sewer facilities must be operational prior to construction of new development within the Shoreline Overlay District. Storm drainage facilities shall be separated from sewage disposal systems.*

Response: No new development is proposed. The project involves maintenance of an existing sewer line.

U. *Utilities Regulations.*

1. *Compatible utilities shall be consolidated within a single right-of-way. After construction, all areas shall be restored to their pre-project configuration, replanted with suitable vegetation, and provided maintenance until newly planted vegetation is established.*

Response: No new utilities are proposed. All work will involve the maintenance of an existing sewer line.

2. *Utilities proposed or located in the shoreline critical area and shoreline critical area buffer shall comply with the requirements of LUC [20.25H.055](#).*

Response: Proposed utility maintenance activities will comply with LUC 20.25H.055, as demonstrated by this narrative.

Shoreline Exemption

Certain activities within shoreline jurisdiction are exempt from obtaining a Shoreline Substantial Development Permit. LUC 20.25E.050 outlines the specific activities that are considered exempt. The proposed lake line maintenance project complies with LUC 20.25E.050.B (derived from WAC 173-27-040.2.b), which is presented below:

Normal maintenance or repair of existing structures or developments, including damage by accident, fire or elements. "Normal maintenance" includes those usual acts to prevent a decline, lapse, or cessation from a lawfully established condition; "normal repair" means to restore a development to a state comparable to its original condition within a reasonable period after decay or partial destruction except where repair involves total replacement which is not common practice or causes substantial adverse effects to the Shoreline Overlay District resource or environment.

The proposed project involves the collection of samples of the existing sewer lake line within and adjacent to Lake Washington. Samples are required in order to establish the condition of the pipe, which will form the basis for future rehabilitation or replacement of the sewer line. Therefore, proposed activities are an initial step in a plan to restore the

sewer line to a state comparable to its original condition; thus complying with the criteria established above.

Summary

In summary, the proposed sewer lake line maintenance project is an allowed activity within the shoreline critical area and critical area buffer and structure setback. The project also complies with all required critical area and shoreline performance standards. In addition, the proposed project complies with shoreline exemption criteria, and therefore should not be subject to the need for a Shoreline Substantial Development Permit.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenny Booth", with a long horizontal flourish extending to the right.

Kenny Booth, AICP
Senior Planner