



DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT  
ENVIRONMENTAL COORDINATOR  
11511 MAIN ST., P.O. BOX 90012  
BELLEVUE, WA 98009-9012

**OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS**

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 07-126647 LO  
Project Name/Address: 2007 Storm System Imp – Vasa Creek  
15218 SE 48<sup>th</sup> Drive  
Planner: Matthews Jackson  
Phone Number: 425-452-2729

**Minimum Comment Period: November 8, 2007; 5 p.m.**

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

**WAC 197-11-960 Environmental checklist.**

ENVIRONMENTAL CHECKLIST

*Purpose of checklist:*

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

*Instructions for applicants:*

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

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

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

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

*Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

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

A. BACKGROUND

1. Name of proposed project, if applicable:

**City of Bellevue 2007 Storm System Improvements – Vasa Creek Inlet Improvements (SE 48<sup>th</sup> Dr.)**

2. Name of applicant: **City of Bellevue**

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

**Steve Costa, P.E.**

**Utilities Department**

**City of Bellevue**

**P.O. Box 90012**

**Bellevue, WA 98009-9012**

4. Date checklist prepared: **June 29, 2007**

5. Agency requesting checklist: **City of Bellevue**

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

**Construction to begin November 2007 through December 2007**

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

**No**

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**PERMIT PROCESSING**

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

None

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

No

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

Land Clearing and Grading Permit

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

Vasa Creek Improvements will consist of installing a type 2 catch basin with a bird cage overflow on the inlet of the Vasa Creek culvert beneath SE 48<sup>th</sup> Dr. The catch basin will have 8 six inch orifices drilled into it to prevent plugging. Construction will also include a 5 foot high ecology block head wall, rip rap armoring on the slopes around the inlet and an asphalt access road to allow maintenance of the inlet. The existing overflow structure will be lowered 2.8 feet.

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 Vasa Creek site is adjacent to the single family residence at 15211 SE 48<sup>th</sup> Dr., TractA, C,and D Mere#3.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR  
AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

b. What is the steepest slope on the site (approximate percent slope)? 40%

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

**NRCS maps the soils as AgC – Alderwood Gravelly Sandy loam 6 to 15% slopes. Soils also contain silts and sediment deposited by the creek at the inlet of the culvert.**

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

**No**

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

**Vasa Creek: Approximately 35 cubic yards will be removed around the inlet of the culvert. Roughly 4.5 cubic yards of quarry spalls will be placed around the inlet to help stabilize the slopes. Additional grading will occur for the access road. The road will be built up with 6 inches (10 cy) of crushed surfacing base course and 2 inches (3.5 cy) of asphalt.**

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

**Erosion could occur while removing the sediment built up around the inlet.**

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

**Vasa Creek: Approximately 450 square feet of new impervious surface will be created with this project for the new maintenance access road.**

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

**Erosion will be reduced by placing the rip rap around the new inlet structure, as well as the use of cover practices for exposed soil. The flows in the stream will be bypassed around the work area during construction.**

a. **Air**

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

**During construction there will be emissions from contractors equipment. There will be no permanent emissions from the site once construction is completed.**

- 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:

**If dust becomes a problem during the grading water will be used in order to minimize the dust.**

3. Water

a. Surface:

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

**Vasa Creek: Vasa Creek runs through the project site.**

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

**The proposed improvements will require bypassing the water around the work area**

- 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.

**Vasa Creek: Approximately 35 cubic yards of silt will be removed from the inlet and 4.5 cubic yards of quarry spalls placed at the inlet.**

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

**There will be no permanent diversions or withdrawals of the surface water. During construction the water will be routed around the work area.**

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

**Vasa Creek: Yes, a majority of the work is within the stream bed of Vasa Creek.**

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

**No.**

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to 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.

**No waste material will be discharged into the ground or surface waters as a result of these projects.**

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.

**Vasa Creek: Runoff from the proposed access road will be directed to a catch basin. The stormwater from SE 48<sup>th</sup> Dr. is currently collected in catch basins in the street and will continue to do so, however the discharge pipes will be intercepted with new catch basins and directed into the existing type 2 catch basin/overflow structure.**

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

**No.**

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

**A new headwall, and inlet structure are proposed with this project that will help reduce the occurrences of plugging the inlet by debris.**

4. Plants

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

- \_\_\_\_\_ deciduous tree: alder, maple, aspen, other
- \_\_\_\_\_ evergreen tree: fir, cedar, pine, other
- \_\_\_\_\_ shrubs
- \_\_\_\_\_ grass
- \_\_\_\_\_ pasture
- \_\_\_\_\_ crop or grain
- \_\_\_\_\_ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- \_\_\_\_\_ water plants: water lily, eelgrass, milfoil, other
- \_\_\_\_\_ other types of vegetation

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

**Vasa Creek: 11 trees less than 12 inches in diameter and 4 trees greater than 12 inches in diameter will be removed.**

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

**None.**

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

**Slopes and exposed soils will be hydroseeded.**

5. Animals

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

- birds: hawk, heron, eagle, songbirds, other:
- mammals: deer, bear, elk, beaver, other:
- fish: bass, salmon, trout, herring, shellfish, other:

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

**None.**

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

**None.**

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

**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.

**None.**

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.

**There is a risk during construction or routine maintenance that a hydraulic line from a back hoe or excavator may break or fuel spill may occur. Contractor will be required to refuel equipment on the road.**

1) Describe special emergency services that might be required.

**None.**

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

**Contractor will be required to provide a SPPPC plan and perform equipment maintenance refueling in the roadway away from the creek.**

#### b. Noise

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

**Minor traffic noise from SE 48<sup>th</sup> Dr. for Vasa Creek.**

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.

**Equipment and operations noise from the contractor will occur on a short term basis during construction. Construction is limited to the hours of 7:00 a.m. to 6:00 p.m. Long term noise would be limited to periodic maintenance of the inlet structure by a back hoe to clean debris and sediment from the inlet.**

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

**Time restraints on construction hours.**

**8. Land and shoreline use**

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

**Site is open space, adjacent properties are single family residential.**

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

**No.**

c. Describe any structures on the site.

**There is an existing underground power vault on the site that will remain**

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

**No.**

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

**Open Space.**

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

**Open Space.**

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

**None.**

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

**None.**

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

**None.**

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

**None.**

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

**None.**

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

**None.**

**9. Housing**

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

**None.**

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

**None.**

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

**None.**

**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?

**NA**

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

**None.**

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

**None.**

**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?

**No.**

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

**None.**

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

**None.**

**12. Recreation**

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

**There is a walking path that begins on the south side of SE 48<sup>th</sup> Dr. and continues to the South.**

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

**No.**

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

**None.**

**13. Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

**None known.**

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

**None.**

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

**None.**

**14. Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

**Site is adjacent to SE 48<sup>th</sup> Dr. a local residential street.**

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

**No.**

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

**None.**

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

**No.**

e. Will the project 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? If known, indicate when peak volumes would occur.

**During construction contractor vehicles will access and park at the site approximately 2 to 3 vehicles. After construction only periodic maintenance vehicles will access the site.**

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

**None.**

**15. Public services**

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

**No.**

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

**None.**

**16. Utilities**

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

**Water, sewer, power, phone are located in the SE 48<sup>th</sup> Dr. right of way.**

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.

**None.**

**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: ..... *[Handwritten Signature]* P.E. ....

Date Submitted: *6/29/07* .....