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

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: Steve Costa, City of Bellevue Utilities Department

LOCATION OF PROPOSAL: 15218 SE 48th Drive

NAME & DESCRIPTION OF PROPOSAL: 2007 Storm System Improvements – Vasa Creek

Construction of inlet improvements to a Vasa Creek culvert beneath SE 48th Drive, including ecology block headwall, new type 2 catch basin on the inlet of the pipe and construction of an access road for maintenance of the facility. This reach of Vasa Creek is designated a Type N stream.

FILE NUMBER: 07-126647 LO

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 Department of Planning & Community Development. 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 **12/20/07.**

☐ 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 p.m. on _____.

This DNS may be withdrawn at any time if the proposal is modified so that it is likely to have significant adverse environmental impacts; if there is significant new information indicating, or on, 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.

Environmental Coordinator

December 6, 2007
Date

OTHERS TO RECEIVE THIS DOCUMENT:
State Department of Fish and Wildlife
State Department of Ecology,
Army Corps of Engineers
Attorney General
Muckleshoot Indian Tribe

City of Bellevue
Department of Planning and Community Development
Development Services Staff Report

Proposal Name:	2007 Storm System Improvements – Vasa Creek
Proposal Address:	15218 SE 48th Drive
Proposal Description:	The applicant requests a Critical Areas Land Use Permit to construct inlet improvements to a Vasa Creek culvert beneath SE 48th Drive, including ecology block headwall, new type 2 catch basin on the inlet of the pipe and construction of an access road for maintenance of the facility. This reach of Vasa Creek is designated a Type N stream.
File Number:	07-126647 LO
Applicant:	**Steve Costa, City of Bellevue Transportation Dept**
Decisions Included:	Critical Areas Land Use Permit (Process II. LUC 20.30P)
Planner:	Matthews Jackson, Senior Planner
State Environmental Policy Act Threshold Determination:	**Determination of Non-Significance** Carol V. Helland, Environmental Coordinator Department of Planning and Community Development
Director's Decision:	**Approval with Conditions** Matthew A. Terry, Director Department of Planning and Community Development

Application Date:	7/9/07
Notice of Application Publication Date:	10/25/07
Decision Publication Date:	12/6/07
Project/SEPA Appeal Deadline:	12/20/07

For information on how to appeal a proposal, visit Development Services at City Hall or call (425) 452-6800. Comments on State Environmental Policy Act (SEPA) Determinations can be made with or without appealing the proposal within the noted comment period for a SEPA Determination. Appeal of the Decision must be received in the City's Clerk's Office by 5 PM on the date noted for appeal of the decision.

I. Background

A. Project Description

The City of Bellevue Utilities Department proposes improvements to a Vasa Creek culvert beneath SE 48th Drive to address sediment problems at the culvert inlet. The project consists of constructing a new ecology block headwall and placing a new type 2 catch basin on the inlet of the pipe. The catch basin will have two rows of 4 six-inch core drilled orifices to allow the stream flows to enter into the outlet pipe. This catch basin will be outfitted with a bird cage to allow overflow water into the structure and culvert beneath SE 48th Drive. Additional improvements consist of installing an access road to the top of the headwall to allow for maintenance activities at the inlet and the installation of two new catch basins in order to direct the piped stormwater from the street into the existing catch basin. Areas of temporary and permanent disturbance will be restored in accordance to a restoration plan developed using the City of Bellevue Critical Areas Handbook. See Section X for a related condition of approval.

B. Site Description

The site is located in the City of Bellevue owned Eaglesmere Open Space in the Newcastle subarea. Properties in the vicinity of the proposal are developed with single family residential homes. The site is described as Tract C of the Eaglesmere No.3 plat. Additional public open space is located to the north, west, and south of the subject property as part of the Eaglesmere No. 2 Open Space and Whispering Heights Open Space Tracts.

C. Need For Improvement

The existing infrastructure consists of a 24 inch culvert beneath SE 48th Drive. The existing inlet to the culvert is currently filled with sediment and debris that has settled out of the stream flows. The new inlet structure and headwall will help to reduce ponding of water on the upstream (south) side of the SE 48th Drive roadway embankment. The headwall construction in association with the access road will give public works crews access to the inlet to clean sediment and debris from the structure as needed to maintain a free flowing system.

II. Site Description and Context

A. Critical Areas:

i. **Stream-** The proposed project is located in a portion of the upper reach of Vasa Creek. Per City of Bellevue critical areas regulations contained in Land Use Code (LUC) 20.25H.075, this reach of Vasa Creek is designated as a Type N water which are defined as all segments of waters that are not Type S or Type F waters and that are physically connected to a Type S or F waters by an above ground channel system, stream or wetland. Type N waters on undeveloped sites have a stream critical area buffer of 50 feet, measured from the top-of-bank and

a 15 foot structure setback measured from the critical area buffer. No modification of stream critical area buffer or structure setback is associated with this proposal.

III. State Environmental Policy Act (SEPA)

The environmental review indicates no probability of significant adverse environmental impacts occurring as a result of the proposal. Therefore, issuance of a Determination of Non-Significance (DNS) is the appropriate threshold determination under the State Environmental Policy Act (SEPA) requirements.

Adverse impacts which are less than significant are usually subject to City Codes or Standards which are intended to mitigate those impacts. Where such impacts and regulatory items correspond, further documentation is not necessary. For other adverse impacts which are less than significant, Bellevue City Code Sec. 22.02.140 provides substantive authority to mitigate impacts disclosed through the environmental review process.

A. Earth and Water

Soils within the project area are described in the environmental checklist as Alderwood Gravelly Sandy loam. Soils also contain silts and sediment deposited by the creek at the inlet of the culvert. Approximately 35 cubic yards of earth will be removed around the inlet of the culvert. Approximately 4.5 cubic yards of quarry spalls will be placed around the inlet to help stabilize the slopes. Additional grading will occur to construct the access road which will be built up with 10 cubic yards of crushed surfacing base and 3.5 cubic yards of asphalt. The new access road will result in approximately 450 square feet of new impervious surface. A temporary erosion and sedimentation control plan will be required for the associated clearing and grading permit. Erosion and sediment control best management practices will include the installation of rip rap around the new inlet structure and the use of a stream bypass system to isolate the work area during construction activities. Exposed soils will be required to be covered to prevent migration of soils to the stream. The applicant will also be required to submit information regarding the use of pesticides, insecticides, and fertilizers to avoid impacts to water resources. See Section X for a related condition of approval.

Runoff from the new access road will be directed to a catch basin. The stormwater from SE 48th Drive 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

B. Animals

According to the 2001 Stream Typing Inventory completed by the Watershed Company for the City of Bellevue Utilities Department, no fish are present in this reach of Vasa Creek. The headwaters of Vasa Creek, including this reach, cascade through small pools carved directly into bedrock. Sampling in this area conducted by the Watershed Company

confirmed the absence of fish.

Small mammals and birds inhabit this and the adjacent open space tracts which have been maintained as natural areas. Temporary construction related displacement in the immediate vicinity can be anticipated. Although construction activities will remove approximately 15 maples and alders, restoration/mitigation planting includes numerous native trees and shrubs that will provide continued habitat to wildlife in the area.

C. Plants

Plants in the vicinity of the proposal include alder, vine maple, and Douglas fir. Eleven alder and maple that are less than 12 inches in diameter will be removed to facilitate construction of this proposal. An addition four trees of greater than 12 inches will also be removed. The majority of these trees are located in the area around the headwall. Four trees will be removed to construct the new access road. To mitigate for the loss of these trees, the applicant will be required to implement planting plan that provides three tiers of native vegetation. The applicant has provided a preliminary planting plan that includes red alder, western hemlock, tall oregon grape, osoberry, wild ginger and hardstem bulrush. The planting palate was developed using the City of Bellevue Critical Areas Handbook planting template for streams. The proposed planting plan will be required to be completed through the review and approval of the associated clearing and grading permit. See Section X for a related condition of approval.

D. Noise

The site is adjacent to residential development whose residents are most sensitive to disturbance from noise during evening, late night and weekend hours when they are likely to be at home. Construction noise will be limited by the City's Noise Ordinance (Chapter 9.18 BCC) which regulates construction hours and noise levels. See Section X for a related condition of approval.

IV. Consistency with Land Use Code Requirements:

A. Zoning District Dimensional Requirements:

The site is located in the R-3.5 zoning district. No structural elements are included with the proposal, therefore, an analysis of compliance with dimensional requirements is not applicable.

B. Critical Areas Requirements:

The City of Bellevue Land Use Code (Section 20.25H.025) designates streams as critical areas. The inlet improvements proposed with this application is an allowed activity identified by LUC 20.25H.055.B under the category of "New or expanded bridges and culverts". As an allowed activity, the proposed development must meet the requirements identified in LUC 20.25H.055.C.2 and 20.25H.080A. LUC 20.25H.055.C.3.e establishes performance standards for new or expanded bridge and culvert projects within the critical area or critical area buffer. LUC 20.25H.080.A establishes performance standards specific to Type S and F streams, however this reach of Vasa Creek is designated a Type N water

and therefore not subject to the requirements of LUC 20.25H.080.A.

V. Consistency With Land Use Code Critical Areas Performance Standards:

A. Consistency With LUC 20.25H.055.C.3.e

3. Performance Standards for Specific Uses or Development. In the event of a conflict between the generally applicable performance standards and specific standards, those more protective of critical area functions and values shall prevail.

    j. New or Expanded Bridges and Culverts. New culverts shall be designed in accordance with the Washington State Department of Fish and Wildlife "Design of Road Culverts for Fish Passage" now or as hereafter amended. Culvert expansions shall be considered new culverts and be required to be designed in accordance with "Design of Road Culverts for Fish Passage" now or as hereafter amended when the expansion is associated with a project increasing vehicular capacity and (i) there are fish present downstream; (ii) there is potential fish habitat upstream; and (iii) the benefits of so designing the culvert are substantial when compared to expanding the culvert based on its then-existing design.

    The installation of the new inlet and catch basin is considered expansion of an existing culvert. Culvert expansions, which are considered new culverts, are required to be designed in accordance Washington State Department of Fish and Wildlife "Design of Road Culverts for Fish Passage" when it is associated with increasing vehicular capacity and (i) there are fish present downstream; (ii) there is potential fish habitat upstream; and (iii) the benefits of so designing the culvert are substantial when compared to expanding the culvert based on its then-existing design. Although there are fish present downstream, this proposal is not associated with increasing vehicular capacity. Further, survey and sampling of this stream segment indicates there are no fish present and there is little gravel substrate available. Gradients in this reach are between 9.5% and 12.5% which severely limit the potential to support fish. Due to the lack of potential fish habitat and the lack of an association with increased vehicular capacity, the proposal does not have to comply with Washington State Department of Fish and Wildlife guidance.

B. Consistency With LUC 20.25H.080.A

LUC 20.25H.080.A establishes performance standards specific to Type S and F streams, however this reach of Vasa Creek is designated a Type N water and therefore not subject to the requirements of LUC 20.25H.080.A.

VI. Summary of Technical Reviews

A. Clearing and Grading:

The Clearing and Grading Division of the Planning and Community Development Department has reviewed the proposed enhancement plan for compliance with Clearing and Grading codes and standards. The Clearing and Grading staff found no issues with the proposed development.

VII. Public Notice and Comment

Application Date:	July 6, 2007
Public Notice (500 feet):	October 25, 2007
Minimum Comment Period:	November 8, 2007

The Notice of Application for this project was published in the Seattle Times and the City of Bellevue weekly permit bulletin on October 25, 2007. It was mailed to property owners within 500 feet of the project site. No comments have been received from the public as of the writing of this staff report.

VIII. Decision Criteria

The proposal, as conditioned below, meets the applicable regulations and decision criteria for a Critical Areas Land Use Permit pursuant to LUC Section 20.30P.

A. The proposal obtains all other permits required by the Land Use Code;

Finding: The applicant must obtain approval of a Clearing and Grading permit prior to commencing any work.

B. The proposal utilizes to the maximum extent possible the best available construction, design and development techniques which result in the least impact on the critical area and critical area buffer;

Finding: The proposal has been designed to limit disturbance outside of the immediate work area. The location of the proposal is established by the location of the existing culvert and there are no other practical locations to collect and safely convey the water through the culvert. The project is designed to not have an adverse affect on stream flows and volumes.

C. The proposal incorporates the performance standards of Part 20.25H to the maximum extent applicable, and ;

Finding: As discussed in Section V of this report, the proposal meets the performance standards of LUC Section LUC 20.25H.055.C.3.e new or expanded bridges and culverts projects within the critical area or critical area buffer and is not subject to LUC 20.25H.080.A, performance standards for Type S and F streams.

D. The proposal will be served by adequate public facilities including street, fire protection, and utilities; and;

Finding: Adequate public facilities are available to the site.

E. The proposal includes a mitigation or restoration plan consistent with the requirements of LUC Section 20.25H.210; and

Finding: Temporary impacts associated with the removal vegetation and disturbance will be mitigated by implementation of the planting plan described elsewhere in this report. See Section X for a related condition of approval.

F. The proposal complies with other applicable requirements of this code.

Finding: As discussed in Section IV & V of this report, the proposal complies with all other applicable requirements of the Land Use Code.

IX. Conclusion and Decision

After conducting the various administrative reviews associated with this proposal, including Land Use Code consistency, SEPA, City Code and Standard compliance reviews, the Director of Planning and Community Development does hereby **approve with conditions** the proposal to construct inlet improvements to a Vasa Creek culvert beneath SE 48th Drive.

Note- Expiration of Approval: In accordance with LUC 20.30P.150 a Critical Areas Land Use Permit automatically expires and is void if the applicant fails to file for a Clearing and Grading Permit or other necessary development permits within one year of the effective date of the approval.

X. Conditions of Approval

The applicant shall comply with all applicable Bellevue City Codes and Ordinances including but not limited to:

Applicable Ordinances	Contact Person
Clearing and Grading Code- BCC 23.76	Tom McFarlane, 425-452-5207
Land Use Code- BCC 20.25H	Matthews Jackson, 425-452-2729
Noise Control- BCC 9.18	Matthews Jackson, 425-452-2729

The following conditions are imposed under the Bellevue City Code or SEPA authority referenced:

1. **Restoration for Areas of Temporary Disturbance:** To mitigate temporary disturbance impacts resulting from construction, implementation of the proposed planting plan created by Hammond Collier Wade Livingstone must be completed through the review and approval of the associated clearing and grading permit. Any modifications to this plan must submitted for review and approval by the City prior to commencing any work.

   Authority: Land Use Code 20.25H.220.H
   Reviewer: Matthews Jackson, Planning and Community Development Dept

2. **Rainy Season restrictions:** Due to the proximity to Vasa Creek, no clearing and grading activity may occur during the rainy season, which is defined as November 1 through April 30 without written authorization of the Department of Planning and Community Development. Should approval be granted for work during the rainy season, increased erosion and sedimentation measures, representing the best available technology, must be implemented prior to beginning or resuming site work.

   Authority: Bellevue City Code 23.76.093.A,
   Reviewer: Tom McFarlane, Planning and Community Development Dept

3. **Pesticides, Insecticides, and Fertilizers:** The applicant must submit as part of the required Clearing and Grading Permit information regarding the use of pesticides, insecticides, and fertilizers in accordance with the City of Bellevue's "Environmental Best Management Practices."

   Authority: Land Use Code 20.25H.220.H
   Reviewer: Matthews Jackson, Planning and Community Development Dept

4. **Noise Control:** The proposal will be subject to normal construction hours of 7 am to 6 pm Monday through Friday and 9 am to 6 pm on Saturdays, except for Federal holidays and as further defined by the Bellevue City Code. Work hours may be extended to 10 pm if the criteria for extension of work hours as stated in BCC 9.18 can be met. Requests for construction hour extension must be done in advance with submittal of a construction noise expanded exempt hours permit.

   Authority: Bellevue City Code 9.18
   Reviewer: Matthews Jackson, Planning and Community Development Dept

XI. Attachments

1. Planting Plan
2. Environmental Checklist

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 48th 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

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 48th 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 48th 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.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

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 48th 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 debri.

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 48th 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.

l. 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 48th 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 48th 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 48th 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: ..... P.E.

Date Submitted: 6/29/07