DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., 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. 08-115478 LO

Project Name/Address: COB Upper Vasa Creek rock check dams

Planner: Heidi M. Bedwell

Phone Number: 425-452-4862

Minimum Comment Period: June 5, 2008

Materials included in this Notice:

- [x] Blue Bulletin
- [x] Checklist
- [x] Vicinity Map
- [ ] Plans
- [ ] Other:

City of Bellevue Submittal Requirements | 27a

ENVIRONMENTAL CHECKLIST

5/9/08

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call the Permit Center (425-452-6864) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Our TTY number is 425-452-4636.

BACKGROUND INFORMATION

Property Owner: City of Bellevue

Proponent: City of Bellevue

Contact Person: Stephen H. Noeske PE

(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: PO Box 9012

Bellevue WA 98009-9012

Phone: (425) 452-5271 snoeske@bellevuewa.gov

Proposal Title: Upper Vasa Creek Storm Damage Repair

Proposal Location: Between 151st Ave SE and 152nd Place SE and between SE 46th Way and SE 45th St a.k.a. Horizon Heights Open Space

(Street address and nearest cross street or intersection)

Provide a legal description if available. Horizon Heights No.1

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description:

   FEMA funded repair of existing instream rock check dams damaged during the 2007 winter storms.

2. Acreage of site: 5.1 acres
3. Number of dwelling units/buildings to be demolished: None
4. Number of dwelling units/buildings to be constructed: None
5. Square footage of buildings to be demolished: Not applicable
6. Square footage of buildings to be constructed: Not applicable
7. Quantity of earth movement (in cubic yards):

   No large scale excavations are being proposed for this project. Some minor excavations will be necessary to properly anchor and embed rock materials for the check dam reconstruction.

8. Proposed land use: No change from current use.
9. Design features, including building height, number of stories and proposed exterior materials:

   No buildings are being constructed. Work for this proposal involves placement of rock materials to repair existing rock check dams.

10. Other None

RECEIVED
MAY 08 2008
PERMIT PROCESSING

Estimated date of completion of t oposal or timing of phasing:

This project has received FEMA funding which expires June 2009. The City's desire is to complete this work before September 2008 in order to avoid additional damage and losing the FEMA funds. However, it may be necessary to complete this project during the July to September 2009 fish window due to the anticipated time needed to obtain permits.

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

Yes, future maintenance activities on the check dams may be required in the future after unusually heavy storm events.

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

An Environmental Assessment (EA) prepared by FEMA, document reference identification FEMA DR-1159.0011WA, titled "Upper Vasa Creek Erosion Control and Slope Stabilization" dated December 3, 1998 wherein it was determined "Findings of No Significant Impact". This EA may need to be updated to account for the environmental regulation changes that have occurred between then and now. A copy of this document has been included with this application.

A wetland delineation report was prepared by Herrera Environmental Consultants, titled Upper Vasa Creek Erosion Control and Stabilization Project Bellevue Washington dated October 11, 1999. A copy of this document has been included with this application.

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

There are no known applications pending approval that would directly affect or regard this proposal.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

City of Bellevue Critical Areas Land Use
City of Bellevue Clearing and Grading
Washington State Department of Fish and Wildlife Hydraulic Project Approval
United States Army Corps of Engineers Nationwide Permit
Washington State Department of Ecology

Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):

☐ Land Use Reclassification (rezone) Map of existing and proposed zoning

☐ Preliminary Plat or Planned Unit Development
Preliminary plat map

☐ Clearing & Grading Permit
Plan of existing and proposed grading
Development plans

☐ Building Permit (or Design Review)
Site plan
Clearing & grading plan

☐ Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: ☐ Flat ☐ Rolling ☐ Hilly ☑ Steep slopes ☐ Mountains ☐ Other

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

The project involves work in a stream which is situated in ravine bounded steep slopes on either side. The steepest stream slope in the project site is approximately 5.2%. The ravine walls adjacent to the stream but are not part of the work associated with this proposal are sloped approximately 40%.

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

The United States Department of Agriculture, Natural Resources Conservation Service classifies the soils within the project site as AgC – Alderwood, gravelly sandy loam with 6-15% slopes and AmC - Arents, Alderwood materials with 6-10% slopes.

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

Yes, there are visible signs the ravine slopes consist of historically unstable soils adjacent to the project site. The original project was constructed to protect an existing wastewater conveyance pipe from being exposed from stream water eroding soils from around the wastewater pipe. The rock check dams also protect the stream bottom from eroding and transporting sediment accumulations into the downstream reach. Not repairing the check dams in a timely manner will result in continued channel erosion, more check dam failures and increased sediment depositions downstream.

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

The purpose of placing rock fill into the stream is to reconstruct the existing rock check dams damaged by unusually heavy storm flows during the winter of 2007. Materials will consist of fractured rock, 2-3 man round rock and into the same locations as existed before but in such a manner as to prevent future degradation of the structures. Approximate quantities of the fill material are; 83 tons of Light Loose Rip Rap, 53 tons of Heavy Rip Rap and 160 tons of 2-3 man Boulders. Contractors will provide materials from sources certified by Washington State Department of Transportation (WSDOT).

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

The purpose of this project is to prevent erosion of stream bed material from occurring. Erosion due to Contractor's construction activities could possibly occur but will be minimized with the required implementation of appropriate Best Management Practices (BMP's). It is assumed, based on past permit requirements, the work on this project will be limited to the months between July and September of any given year. It is believed this construction window will again be applied to this project. This work window provides additional erosion protection benefits since this is typically the driest time of year for this area.

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

This project does not propose to construct any impervious surfaces. The majority of the rock materials used in repairing the existing rock check dams will be submerged beneath the water surface for a good deal of time throughout a year and therefore would not be considered impervious.

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

During construction, the Contractor will be required to implement appropriate BMP's such as erecting and maintaining erosion control fencing where applicable, diverting stream flows around the work sites, constructing and maintaining construction access ways with quarry spalls and other measures

dictated by weather ite conditions.

2. AIR

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

While under construction, emissions from internal combustion engined construction equipment will be emitted into the air. Once the project is completed only minimal emissions will be emitted into the air by City staff as they drive their vehicles to the project site to monitor the completed for maintenance.

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

There are no known off-site sources of emissions or odors that may affect this proposed project.

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

The Contractor, through the use of good business practices, will minimize vehicle and equipment emissions by not allowing them to idle unnecessarily.

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.

Yes, this proposal will be undertaken within the water boundaries of the upper reach of Vasa Creek. This stream is classified as a type 4. It has been verified it is not fish bearing. (Final Report, City of Bellevue Stream Typing Inventory, Watershed Company, August 14, 2001)

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

Yes, the proposed work will take place within the ordinary water level of Vasa Creek.

(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.

Approximately 880 tons of new materials will be placed into the stream. These materials will originate from WSDOT certified quarries.

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

Stream flow will be kept in the stream however they will be temporarily diverted around each check dam site to be repaired. These temporary diversions will be removed once work is complete. The purpose for these diversions to prevent water turbidity and sediments from flowing downstream.

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

No, this proposal does not lies within a 100 year flood plain.

(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, this proposal does not involve any discharges of waste materials into surface waters.

b. Ground

(1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

No, this proposal will not withdraw or discharge water to ground water.

(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 materials will be discharged from the project once completed.

c. Water Runoff (Including storm water)

(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.

This proposal involves repairing existing manmade stream features whose sole purpose to prevent erosion. Water will continue to flow in its current direction towards Lake Sammamish. Runoff from surrounding streets and residential developments are directed towards the stream and this proposal does not propose to change this existing dishcarge.

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

Waste materials will not be discharged from the project once completed.

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

No measures are being proposed to reduce or control surface water runoff on this project.

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, bulrush, 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?

During the course of construction, existing vegetation may be damaged but will be replaced once the

Contractor has com[illegible] l their work. The Contractor will be requ[illegible] restore all areas disturbed by their activities to as close a condition as existed prior to their beginning their work.

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

There are no known threatened or endangered species known to be on or near the proposed project site.

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

No landscaping is being proposed for this project. Existing vegetation damaged during construction will be replaced with like species after completion of all construction activities. Restoration work will preferably occur during the wet season to improve plant survival.

5. ANIMALS

a. Check or 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.

There are no known threatened or endangered species known to be on or near the proposed project site.

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

The proposed project site is not know to be part of a migration route.

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

No measures to enhance wildlife are being proposed for the repair of the existing check dams. Wildlife will be preserved by diverting stream flows around the repairs locations and will protect wildlife from harm during construction activities.

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 need? Describe whether it will be used for heating, manufacturing, etc.

No energy will be needed for the completed project.

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

This proposal will not affect the use of solar energy.

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any:

No energy conservation measures are being implemented for the completed project since this proposal requires no energy to be consumed when completed.

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.**

No environmental health hazards will occur once the proposal is completed.

(1) Describe special emergency services that might be required.

No special emergency services will be required once the proposal is completed.

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

No measures are being proposed to reduce or control environmental health hazards since none are being created once the proposal is completed.

b. **Noise**

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

Noises currently exist but will not affect the completed project. The noises are from vehicles passing the project site and the sound of running water from the stream. Human voices may be heard from the adjacent residential properties..

(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Short term noises will come from construction vehicles and equipment. Noises emanating from this equipment will only occur during the City's normal construction hours in accordance with the City's noise ordinance and only for the duration of the work estimated to be between June and September.

Long terms noises coming from the completed proposal will be the sound of running water and song birds.

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

In the short term, noises from the Contractor's equipment will only occur during the permissible work hours and through the use of the Contractor's good business practices where equipment is not left equipment idling unnecessarily.

8. **Land and Shoreline Use**

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

The site is currently being used as an open space by the City of Bellevue Parks department. Adjacent properties are being used as single family residences.

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

It is unknown whether this site was used for agriculture. It appears to be unlikely given the topography.

c. **Describe any structures on the site.**

There is an existing wooden foot bridge within the proposed project boundaries.

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

No structure are being demolished under this proposal.

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

The current zoning classification for the site is R-5.

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

The current comprehensive designation for this site is single family.

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

N/A

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

Review of the City of Bellevue's online environmentally sensitive area information shows it to have steep slopes and a stream which has been classified as a type 4 non fish bearing stream.

Wetlands were identified to be adjacent to and within the project limits. These wetlands have been delineated and a copy of the original delineation is attached with this checklist.

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

N/A

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

N/A

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

N/A

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

N/A

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 immec vicinity would be altered or obstruct

N/A

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

N/A

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 or glare impacts, if any:

None

12. Recreation

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

The project site is known as Horizon Heights Open Space. The site contains walking trials and bridges for neighboring residents to walk adjacent to the creek.

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

The project would temporarily displace recreational use. Existing pathway may be utilized by the Contractor to transport construction materials to the various check dam repair locations and for the safety of the public, those areas will be temporarily closed.

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

Implementing and applying measures reducing or controlling impacts to recreational use will be difficult and dangerous to the public. The paths around the work sites will cordoned off to protect people from harm. Informational signs will be utilized to inform users the trail is temporarily closed. Work is typically limited by WDFW to occur between the months of July and September of any given year. The actual work is expected to last between six to eight weeks.

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 are known to exist.

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

None are known to exist.

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

N/A

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.**

The project site is bounded by SE 46th Way along its southerly limits and by SE 45th Street along its northerly limits and 151st Ave SE along the west and 152nd Ave SE on the east.

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

The project site is currently served by King County METRO bus service. The nearest bus stop is located two properties west on SE 46th St along the northerly boundary of the site.

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

N/A

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).**

There is no roadway work proposed for this project.

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

No water, rail or air transportation will be used for this proposed project.

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

No daily vehicular trips will be generated by the completed project.

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

N/A

15. **Public Services**

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

The completed project will not result in an increase in public services.

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

N/A

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.**

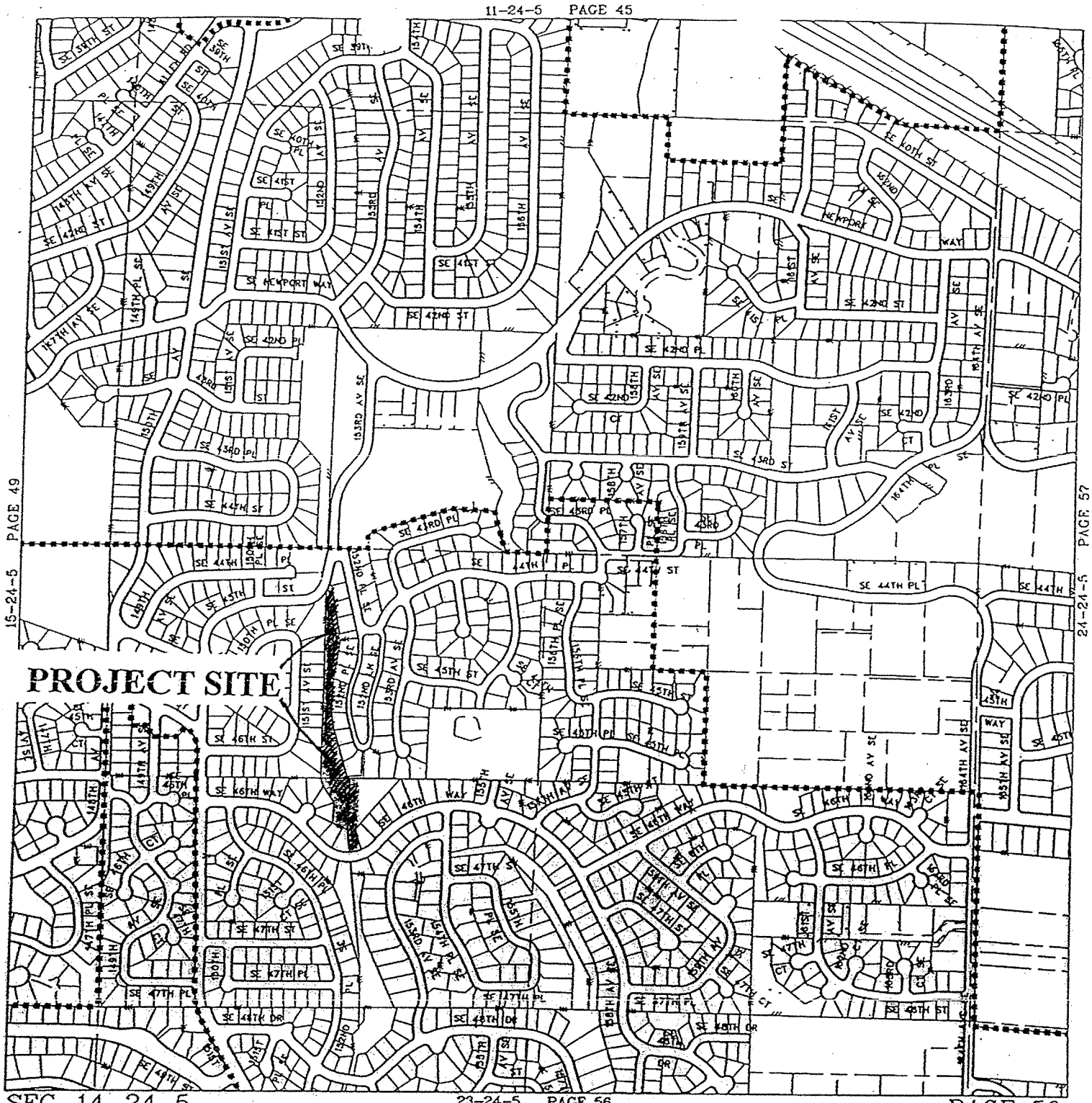
No new utilities are being proposed for this project.

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature.....

Date Submitted.....5/9/08.....



LOCATION MAP

Upper Vasa Creek Storm
Damage Repairs

Soil Map–King County Area, Washington
(Upper Vasa Creek Storm Damage Repair Soil Class,

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features

Municipalities
- Cities
- Urban Areas

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails

Roads
- Interstate Highways
- US Routes
- State Highways
- Local Roads
- Other Roads

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 10N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: King County Area, Washington
Survey Area Data: Version 4, Nov 21, 2006

Date(s) aerial images were photographed: 7/10/1990; 7/18/1990

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

King County Area, Washington (WA633)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
AgC	Alderwood gravelly sandy loam, 6 to 15 percent slopes	10.4	32.6%
AkF	Alderwood and Kitsap soils, very steep	14.3	44.6%
AmC	Arents, Alderwood material, 6 to 15 percent slopes	7.3	22.8%
Totals for Area of Interest (AOI)		32.0	100.0%