



DEVELOPMENT SERVICES DEPARTMENT  
ENVIRONMENTAL COORDINATOR  
450 110<sup>TH</sup> AVENUE 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. 11-104350 GH  
Project Name/Address: Sturtevant Creek Pond  
605 114<sup>th</sup> Avenue SE, Bellevue, WA  
Planner: Toni Pratt  
Phone Number: 425-452-5374

**Minimum Comment Period Ends: March 31, 2011**

Materials included in this Notice:

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

Jonu Pratt

ENVIRONMENTAL CHECKLIST

27A

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 425-542-4636

BACKGROUND INFORMATION

Property Owner: **The Residence Inn by Marriott**

Proponent: **Rachel Hamaker, Chief Engineer**

Contact Person: **Ryan Kahlo, Ecologist, The Watershed Company**

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

Address: 750 6<sup>th</sup> Street South, Kirkland, WA 98033

Phone: 425-822-5242

Proposal Title: **Sturtevant Creek Pond Leveler/Beaver Deceiver**

Proposal Location: **605 114<sup>th</sup> Avenue SE, Bellevue, Washington (114<sup>th</sup> Ave SE & SE 6<sup>th</sup> St.)**

(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 1/2" 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: **Install a pond leveler/beaver deceiver through a beaver dam on Sturtevant Creek behind the hotel. The device will include a 15-inch flexible pipe placed through the dam with a galvanized wire cage just upstream of the dam to protect the opening from being plugged in the future. Detailed plans are attached.**
2. Acreage of site: **7 acres**
3. Number of dwelling units/buildings to be demolished: **No dwelling units will be demolished.**
4. Number of dwelling units/buildings to be constructed: **No dwelling units will be constructed.**
5. Square footage of buildings to be demolished: **No buildings will be demolished.**
6. Square footage of buildings to be constructed: **No buildings will be constructed.**
7. Quantity of earth movement (in cubic yards): **No earth movement is proposed.**
8. Proposed land use: **No changes in land use are proposed.**
9. Design features, including building height, number of stories and proposed exterior materials: **No buildings will be constructed. The device will be constructed of HDPE pipe and galvanized steel fencing.**
10. Other

Received  
FEB 17 2011  
Permit Processing

Estimated date of completion, the proposal or timing of phasing:

**The project will commence immediately upon issuance of required permits. The project will be completed in one day.**

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

**No future activity is anticipated related to this proposal.**

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

**A wetland enhancement plan has been designed and implemented in the wetland area adjacent to and associated with Sturtevant Creek. The enhancement plan was designed by Shapiro and Associates in 1994, and was revised by The Watershed Company in 2007. The restoration area was installed in 2008. Monitoring and maintenance of the site will continue for at least seven additional years.**

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.

**No additional applications are pending.**

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.

**Hydraulic Project Approval – Washington Department of Fish and Wildlife. Permit will be applied for upon issuance of SEPA determination.**

**Clear and Grade in Critical Areas (GH) Permit – City of Bellevue. Application will be concurrent with SEPA submittal.**

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 and Grading Permit  
Plan of existing and proposed grading  
Development plans

Building Permit (or Design Review)  
Site plan  
Clearing and 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 site is extremely flat. There are no slopes greater than 2%.**

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.

**Soils are generally muck and silt.**

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

**There are no indications or history of unstable soils.**

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

**No filling or grading is proposed.**

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

**Erosion will not occur as a result of the project.**

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

**Impervious surface area will not change as a result of the proposal.**

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

**Not applicable. The project will not result in any erosion or impacts to the earth.**

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.

**No emissions will result from the proposal. All construction will be by hand.**

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

**There are no off-site sources of emissions or odor that would affect the proposal.**

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

Not applicable. No impacts to the air will result from the proposal.

### 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.

**Sturtevant Creek is a permanently-flowing stream located on the site. Sturtevant Creek flows into Mercer Slough, approximately 1,000 feet south of the property. Mercer Slough flows into Lake Washington. There is a scrub-shrub and emergent, riverine wetland associated with Sturtevant Creek located on the 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 pond leveler/beaver deceiver will be installed within the ordinary high water mark of Sturtevant Creek. The device will be constructed entirely on land. The only in-water work involves breaking apart a section of the beaver dam, moving the device into position, reassembling the dam, and staking the pipe to the substrate. All work will be completed by hand.**

- 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.

**No fill or dredge material will be removed or placed in any surface water or wetland.**

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

**The beaver dam has caused much of the flow from Sturtevant Creek to flood onto the adjacent property. The pond leveler will reduce the flooding and keep the stream flow within the active channel.**

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

**A 100-year floodplain has not been designated for the site.**

- 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 waste materials will be discharged as part of the proposal.**

#### b. Ground

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

**No ground water will be withdrawn and no water will be discharged to groundwater as part of this proposal.**

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

**Not applicable. No waste material will be discharged.**

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.

**The proposal will not result in any changes to runoff or storm water.**

- 2) Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

**Not applicable. The proposal will not result in any changes to runoff or storm water.**

#### 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 amount of vegetation will be removed or altered?

**No vegetation will be removed or altered.**

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

**No threatened or endangered species are known to be on or near the site.**

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

**Much of the site is composed of an ongoing wetland enhancement project. The planting plan for the enhancement area was designed based on saturated soil conditions, rather than permanently ponded conditions. By reducing the amount of flooding on the site, the installed native vegetation will be able to become more well-established. Reducing the on-site flooding will also allow for replanting of dead tree and shrub plantings, many of which have been taken down by beavers. Improving these factors will increase the chances of successfully converting a reed canarygrass monoculture into a diverse, native, forest and scrub-shrub wetland habitat.**

## 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.

**No threatened or endangered species are known to be on the site. Sturtevant Creek contains Coho salmon and cutthroat trout, neither of which is threatened nor endangered. The nearest listed species (Chinook salmon and steelhead trout) are found in Mercer Slough, approximately 0.20 mile downstream of the project site.**

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

**The site is not part of a known migration route.**

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

**The pond leveler/beaver deceiver is designed to satisfy the habitat needs of the beavers by maintaining a pond behind the dam, while slightly lowering the depth, reducing flooding on the adjacent properties. The galvanized wire fencing that will protect the upstream culvert opening will be large enough (6" X 6" mesh) to allow for fish passage.**

## 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.

**The completed project will not require energy.**

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

**No, the project will have no effect on solar energy use.**

- 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:

**Not applicable. The project will have no energy impacts.**

## 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 are no environmental health hazards associated with the proposal.**

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

**Not applicable. There are no hazards that may require special emergency services.**

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

**Not applicable. There are no environmental health hazards associated with the proposal.**

- b. Noise

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

**There are no noise concerns that may affect the proposal.**

- 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.

**The project construction will not create any noise above ambient levels, as all construction will be by hand. The completed project will not affect noise levels.**

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

**Not applicable. There are no noise impacts anticipated with this proposal.**

## 8. LAND AND SHORELINE USE

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

The site is currently used for a hotel. The adjacent properties are used for commercial office buildings.

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

Historic records show that the site was farmed and cultivated between the 1930s and 1960s.

- c. Describe any structures on the site.

The primary structure on the property is an eight-story, 231-room hotel. An associated 2.5-story parking garage is also present on the site.

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

No structures will be demolished.

- e. What is the current zoning classification?

The current zoning classification is "office".

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

The current comprehensive plan designation is "office limited business".

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

Not applicable. The site is not designated under the shoreline master program.

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

There is one stream, Sturtevant Creek, and one associated riverine wetland directly adjacent to the creek, located on the site.

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

No people will reside or work in the completed project.

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

No people will be displaced by the completed project.

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

Not applicable. There will be no displacement associated with the project.

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

Not applicable. The project will have no impact on existing or projected land uses.

**9. HOUSING**

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

**No housing units will be provided.**

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

**No housing units will be eliminated.**

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

**Not applicable. The project will not impact housing.**

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

**The wire cage protecting the upstream opening of the culvert will be approximately four feet in height. However little, if any, of the cage will extend above the grade of the creek. The cage will be constructed of galvanized steel fencing. The fence openings will be 6" X 6". The overall dimensions of the cage will be 5 feet wide X 4 feet tall. The culvert will be constructed of high density polyethylene flexible piping. The pipe will extend approximately 10 feet upstream of the beaver dam and approximately 20 feet downstream. There are no other proposed structures as part of the proposal.**

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

**No views will be altered or obstructed as part of the project. The pond leveler will not be visible from the hotel or anywhere else. The device will be below the grade of the creek and visually obscured by dense shrub cover.**

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

**Not applicable. The project will not impact aesthetics.**

**10. LIGHT AND GLARE**

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

**The project will not produce any light or glare.**

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

**Not applicable. The project will not produce any light or glare.**

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

Off-site sources of light or glare will have no effect on project.

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

**Not applicable. The project will have no impacts on light or glare.**

## 11. RECREATION

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

**There are no recreational opportunities in the immediate vicinity. The nearest recreational opportunities are at Mercer Slough Nature Park, more than 1,000 feet south of the project area.**

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

**The project will not displace any recreational uses.**

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

**Not applicable. The project will have no impacts on recreation.**

## 12. 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.

**There are no places or objects on or next to the site that are listed or proposed for preservation registers.**

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

**There are no known landmarks on or next to the site.**

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

**Not applicable. The project will not impact historical or cultural preservation.**

## 13. 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 property can be accessed from SE 6<sup>th</sup> Street, SE 8<sup>th</sup> Street, and SE 10<sup>th</sup> Street SE. All of these streets can be accessed from Interstate 405. No additional access to the existing street system is necessary or proposed.

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

**The nearest transit stop is located at SE 8<sup>th</sup> Street and I-405, approximately 0.12 miles away.**

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

**The completed project will neither create nor eliminate any parking spaces.**

- 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).

**The proposal will not require any new roads, streets, or improvements to roads or streets.**

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

**The project will not use, and does not occur in the immediate vicinity of, water, rail, or air transportation.**

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

**The completed project will generate no vehicular trips.**

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

**Not applicable. The proposal will have no transportation impacts.**

#### 14. 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 project will not increase the need for any public services.**

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

**Not applicable. The project will not impact any public services.**

#### 15. UTILITIES

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

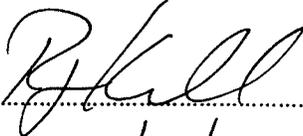
The project has full access to all public utilities. However, the precise location of the proposed project is unimproved and contains no established utilities.

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

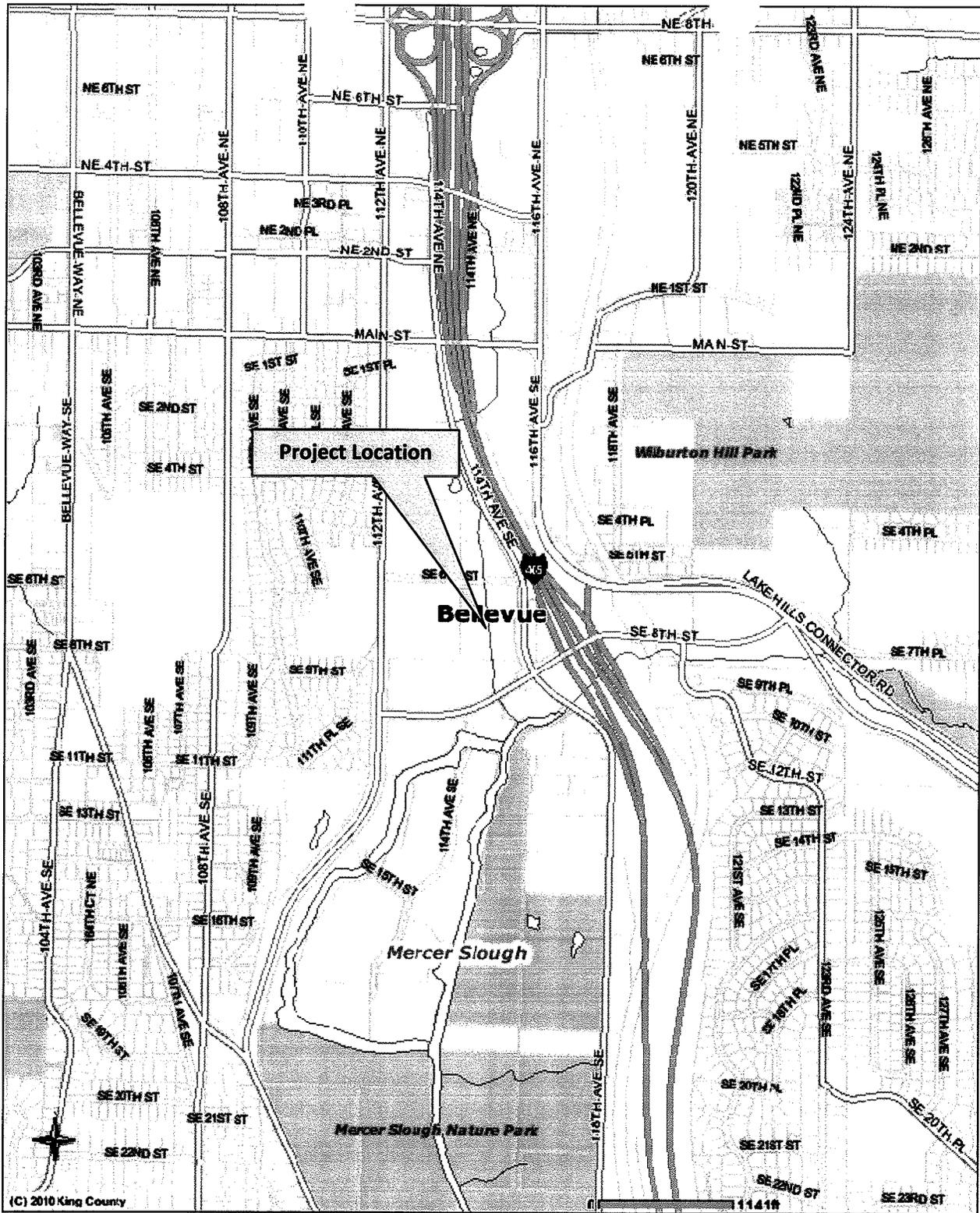
**Not applicable. The project will not require any utility services.**

**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.....  .....

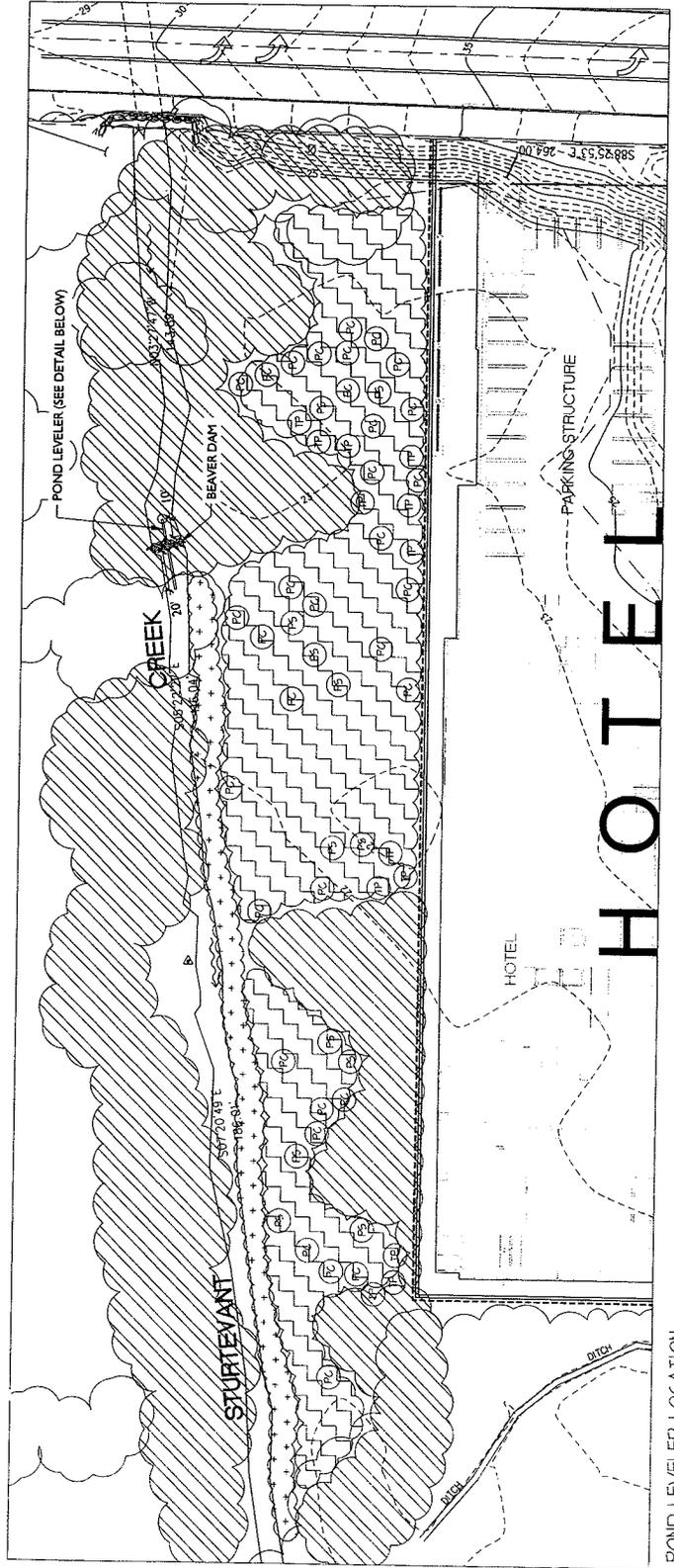
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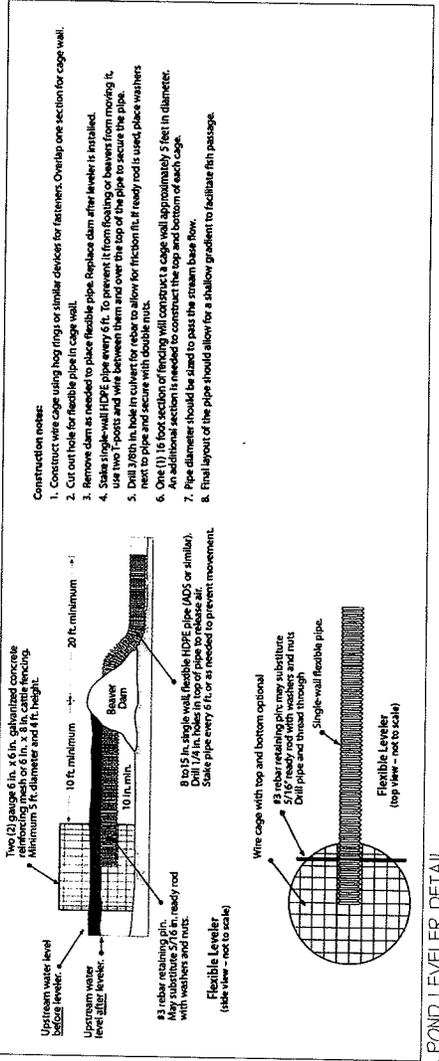
Project Vicinity

DATE	DESCRIPTION	BY
2/8/11	FORM LEVELER DESIGN	LO
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PROJECT MANAGER: RK  
 DESIGNED: CI  
 CHECKED: RK  
 JOB NUMBER: 060611  
 SHEET NUMBER: 1 OF 1



POND LEVELER LOCATION



(A) POND LEVELER DETAIL  
 N.T.S.

- Construction notes:
1. Construct water cage using hoop pipe or similar device for fasteners. Overlap one section for cage wall.
  2. Cut out hole for flexible pipe cage wall.
  3. Remove dam as needed to place flexible pipe. Replace dam after leveler is installed.
  4. Stake single-wall FDEP, or similar material, for fastening or bawse from moving. Use two 1" posts and wire between them and over the top of the pipe to secure the pipe.
  5. Drill 3/8th in. hole in culvert for rebar to allow for friction fit. If rebar is used, place washers next to pipe and secure with double nuts.
  6. One (1) 16 foot section of fencing will construct a cage wall approximately 5 feet in diameter. An additional section is needed to construct the top and bottom of each cage.
  7. Pipe diameter should be sized to pass the stream base flow.
  8. Final layout of the pipe should allow for a shallow gradient to facilitate fish passage.