



DEVELOPMENT SERVICES DEPARTMENT  
ENVIRONMENTAL COORDINATOR  
450 100<sup>th</sup> Ave NE., P.O. BOX 90012  
BELLEVUE, WA 98009-9012

## DETERMINATION OF NON-SIGNIFICANCE

**PROPONENT:** Geoff Bradley, Bellevue Parks and Community Services Department

**LOCATION OF PROPOSAL:** 16604 SE 17th Place

**NAME & DESCRIPTION OF PROPOSAL:**

Preliminary SEPA Threshold Determination for the removal of sediment and the cleaning of a culvert of Phantom Creek, a Type F (fish habitat) stream that is the outlet channel from Phantom Lake. Project will require a clearing and grading permit that includes restoration of temporary disturbance of streambanks.

**FILE NUMBER:** 11-114758-LM

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

- There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on \_\_\_\_\_.
- This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on July 14, 2011.
- 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This DNS may be withdrawn at any time if the proposal is modified so that it is likely to have significant adverse environmental impacts; if there is significant new information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

June 30, 2011  
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

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

ENVIRONMENTAL CHECKLIST

Reviewed under Bellevue permit file #11-114758-LM Preliminary SEPA Threshold Determination. Action will require subsequent Clear and Grade Permit.

*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:

King Conservation District, KCD, Grant for Stream Enhancement to the City of Bellevue Parks Department

2. Name of applicant: Geoff Bradley, Environmental Programs Supervisor, City of Bellevue Parks Department

3. Address and phone number of applicant and contact person: 450 110<sup>th</sup> Ave NE, Bellevue WA 98004  
Phone: 425-452-2740

4. Date checklist prepared: May 24, 2011

5. Agency requesting checklist: City of Bellevue Development Services Department

6. Proposed timing or schedule (including phasing, if applicable): Summer 2011 - prior to October 1, 2011

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

None.

**REVIEWED**

By Kevin LeClair at 2:14 pm, Jun 27, 2011

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.

None.

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

City of Bellevue Clear and Grade Permit below winter stream level and beyond the Ordinary High Water of the Lake. (Note stream bed is dry in summer)

Right of Way permit for Haul Route

Potentially a Permit from Army Corps of Engineers.

Potentially a Hydraulic Project Approval from Washington State Department of Fish and Wildlife.

Stream is considered critical area by City of Bellevue. Proposed action requires clearing and grading in critical areas permit (GH).

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

The Bellevue Parks and Community Services Department obtained King Conservation District grant funds for this project. The proposed project will:

Remove up to 50 cubic yards of organic and sediment buildup in a segment of the Phantom Creek channel (the outlet channel for Phantom Lake), including the existing SE 17th Place roadway culvert, during the summer season when the creek bed and culvert are dry. Approximate lineal length of the channel including culvert is 450 feet. (See attached photos of creek and culvert).

Note: Phantom Creek is a man-made channel dug out by a local resident in the late 1880s to drain Phantom Lake to Lake Sammamish, lower lake level and expose previously lake-covered shoreline areas for farming. It is classified as a seasonal stream. The channel and roadway culvert is on private single family residential property. Project is contingent on property owners providing rights of entry to the Parks Department.

Plant active areas of erosion in the channel with native vegetation to minimize erosion and sedimentation; estimate less than 500 square feet of area that may be vegetated.

The project area extends from approximately 50 feet west of the existing water quality outlet weir located on the Moore property (16604 SE 17th Place) to approximately 50 feet downstream of the existing culvert under SE 17th Place (~450 lineal feet). The channel and culvert will be surveyed and a channel and vegetation plan developed. The depth of sediment and organic debris to be removed in the project area will vary and is anticipated to generally range from 5 inches to a foot. It is anticipated that small, mechanical equipment (small excavator, for example) will be used to remove the organic and sediment buildup in the channel and a vector truck will be used to remove the build-up in the culvert.

The work is located on portions of seven residential parcels. Starting at the west end of the project, the addresses are:

- 16604 SE 17<sup>th</sup> Place
- 16640 SE 17<sup>th</sup> Place
- 16646 SE 17<sup>th</sup> Place
- 16664 SE 17<sup>th</sup> Place
- 16660 SE 17<sup>th</sup> Place
- 16663 SE 17<sup>th</sup> Place
- 16671 SE 17<sup>th</sup> Place

Right of entry agreements are required for permission to be granted on the clearing and grading permit.

Bellevue, Washington, 98008 See attached vicinity map.

**B. ENVIRONMENTAL ELEMENTS**

**1. Earth**

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

The properties in question slope gently from Phantom Lake on the west to 168<sup>th</sup> Ave SE to the east. Side slopes of the existing outlet channel is a 3:1 slope. Total fall across the 450 feet of the project is approximately 1 foot.

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

The Phantom Lake outlet is almost flat with less than a 1% slope.

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.

AmC Arrent Alderwood soils.

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

None. The side slopes of the Phantom Lake Creek through the project segment are covered primarily by non-native English Ivy, ornamental trees and shrubs and pockets of native vegetation including mixed deciduous and coniferous tree, western red cedar and big leaf maple, and cottonwood.

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

None.

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

Erosion potential will be minimized through use of Clearing and Grading Development Standards.

No. The work is scheduled to occur during the summer dry season when the channel is dry. Only fifty feet of area lakeward of the concrete weir is planned and no excavation of material is planned to be more than one foot in depth. The existing weir itself can be used to keep the rest of the work area dry during excavation activities. Replanting activities are scheduled for the fall and all plantings are proposed to be above winter stream levels.

**REVIEWED**  
By Kevin LeClair at 2:16 pm, Jun 27, 2011

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

None.

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

Schedule work during summer when the channel is dry. The outlet is to remain dry during excavation of sediment.

Existing, small active areas of erosion, on the channel banks above the winter stream levels, will be planted with native vegetation.

Use existing weir to prevent summer rain from causing flow through the excavation area during the low summer lake levels.

Equipment will be limited to a small excavator to limit disturbance to adjacent vegetated banks.

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.

Minor amount of exhaust from excavator and trucks used to haul away the excavated material.

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:

Idling trucks will be turned off to reduce emissions.

**REVIEWED**

*By Kevin LeClair at 3:04 pm, Jun 27, 2011*

**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.

The proposed work site is located east of Phantom Lake. During the winter months, Phantom Creek, which is a seasonal stream, acts as the outflow channel for Phantom Lake.

- 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.

No. Work is proposed in the seasonal Phantom Creek as described. The Phantom Creek segment work site is not located within 200 feet of Phantom Lake.

- 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.

An estimated 50 cubic yards of material will be removed from the lake outlet.

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

No. During the summer, the outlet to Phantom Lake dries up and all work is planned during this summer.

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

Yes. During a 100 year event the outlet is covered by the 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. All excavated material will be removed from the site by truck.

**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.

None.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No.

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:

Existing, small active areas of erosion, on the channel banks above the winter stream levels, will be planted with native vegetation.

4. Plants

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

- \_\_\_\_\_ deciduous tree: alder, big leaf maple
- \_\_\_\_\_ evergreen tree: fir, cedar,
- \_\_\_\_\_ shrubs, ornamental and native including salmonberry
- \_\_\_\_\_ grass
- \_\_\_\_\_ pasture
- \_\_\_\_\_ crop or grain
- \_\_\_\_\_ wet soil plants: None
- \_\_\_\_\_ water plants: water lily, eelgrass, milfoil, other
- \_\_\_\_\_ other types of vegetation

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

The only vegetation that might be disturbed during the sediment removal could be English Ivy along the outlet banks.

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

None. Phantom Lake and its outlet including the stream down to Lake Sammamish is within the range of the Bald Eagle. No anadromous fish use Phantom Creek because of natural barriers in the lower stream segments below 168<sup>th</sup> Ave SE.

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

The proposal includes planting native shrubs and trees above the Ordinary High Water mark in limited areas near the existing weir to reduce erosion from adjacent uplands.

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, bats  
mammals: deer, beaver, raccoon, possum  
fish: bass, trout

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

The outlet to phantom Creek is within the range of the Bald Eagle.

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

Yes. Birds and ducks use Phantom Creek during their annual migration. Other birds and ducks are resident year round.

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

Limit impact of sediment removal and place limited amount of native vegetation.

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.

The project will use petroleum products to power equipment used to remove and transport the sediment.

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.

None. Refueling of vehicles will occur 100 feet minimum outside the instream work area.

1) Describe special emergency services that might be required.

No special emergency services might be required. Standard safety procedures will be followed.

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

Require use of smallest equipment capable of removing sediment. Follow all safety regulations for ongoing Parks Department projects.



**b. Noise**

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

There is background noise caused by vehicles using the private street and surrounding public streets.

- 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.

Work will be limited to 7:00 AM to 6:00 PM weekdays.

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

Use equipment in proper working order.

Turn off idling equipment.

Use equipment with mufflers in proper working order.

Limit the hours to weekdays between 7:00 AM and 6:00 PM

Bellevue noise code regulations will limit noise outside of regular work hours. BCC 9.18

**8. Land and shoreline use**

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

Residential

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

No. The outlet to Phantom Lake was hand dug to allow for agriculture to take place around Phantom Lake. The sediment removal will occur within the outlet and not on lands previously used for agriculture.

- c. Describe any structures on the site.

The outlet to Phantom Lake includes a concrete water quality outlet weir. The function of the weir is to reduce the hydraulic gradient of the groundwater interflow to reduce phosphorus loadings into Phantom Lake through the summer months (May to October) for water quality purposes. During the fall, winter and early spring the weir is lowered (landscape timbers removed) to allow the maximum discharge towards Lake Sammamish.

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

No.

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

R-3.5

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

SF-M

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

None, all work is located outside the Shoreline Master Program area and outside of associated wetland areas.

**REVIEWED**  
By Kevin LeClair at 3:06 pm, Jun 27, 2011

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

The area below OHW of Phantom Creek is considered an environmentally sensitive area "Critical Area" under local code.

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

None. Sediment removal only.

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:

#### 9. Housing

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

Not applicable

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

Not applicable

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?

Not applicable, sediment removal only

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

None.

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

Native plantings near the existing weir to reduce potential for erosion.

#### 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?

None.

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?

Swimming and fishing in Phantom Lake. Passive recreation at public park on Phantom Lake.

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.

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.

168<sup>th</sup> Ave SE to the east is the closest public street. Work to take place via access off of a private roadway, SE 17<sup>th</sup> Place.

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.

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

None.

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

Work to be limited to 7:00 AM to 6:00 PM Weekdays. SE 17<sup>th</sup> Place is to remain passable during the project phase.

**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**

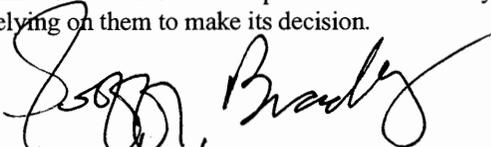
a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer plus cable communications services.

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 change would be made in utilities.

**C. SIGNATURE**

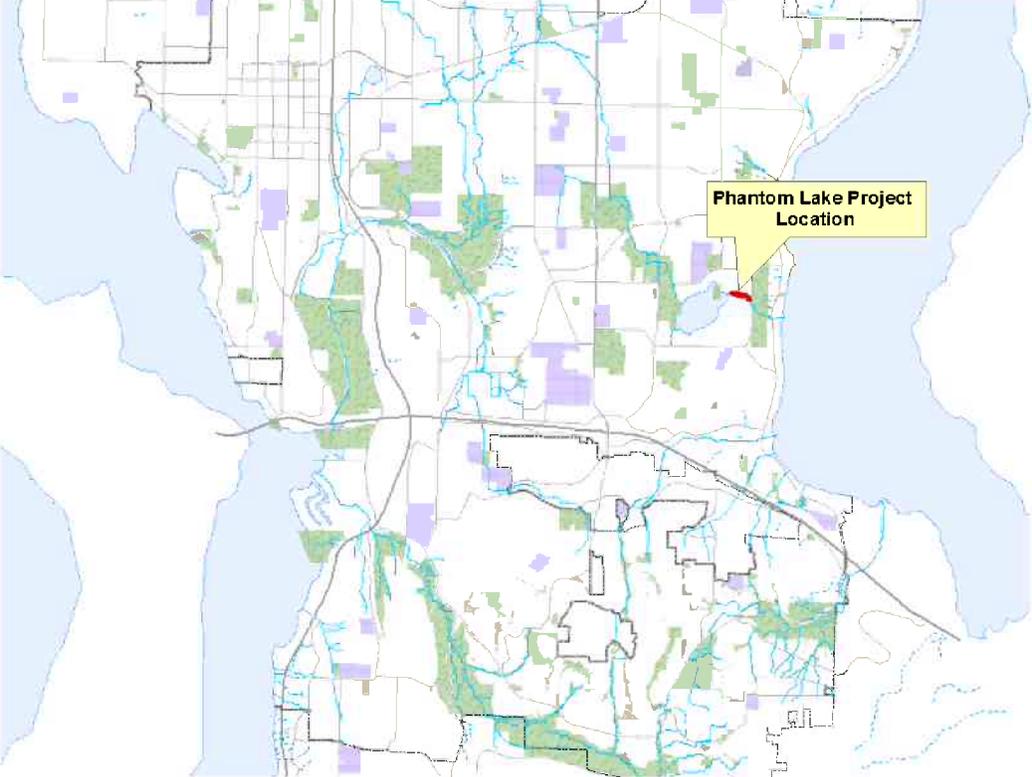
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Date Submitted: 5/26/11

**REVIEWED**  
By Kevin LeClair at 3:07 pm, Jun 27, 2011

Attachment 2: Phantom Lake Project Location



# KCD Grant Phantom Creek

**User Redlines**

**Streets & Street Names**

**Storm Asbuilt**

**Hydrology**

**Parks Sites**

**School Layers**

**Environmental**

**Fish-bearing Streams**

- Fish Bearing
- Non-Fish Bearing
- Shore
- Not Typed

**Districts - Areas**

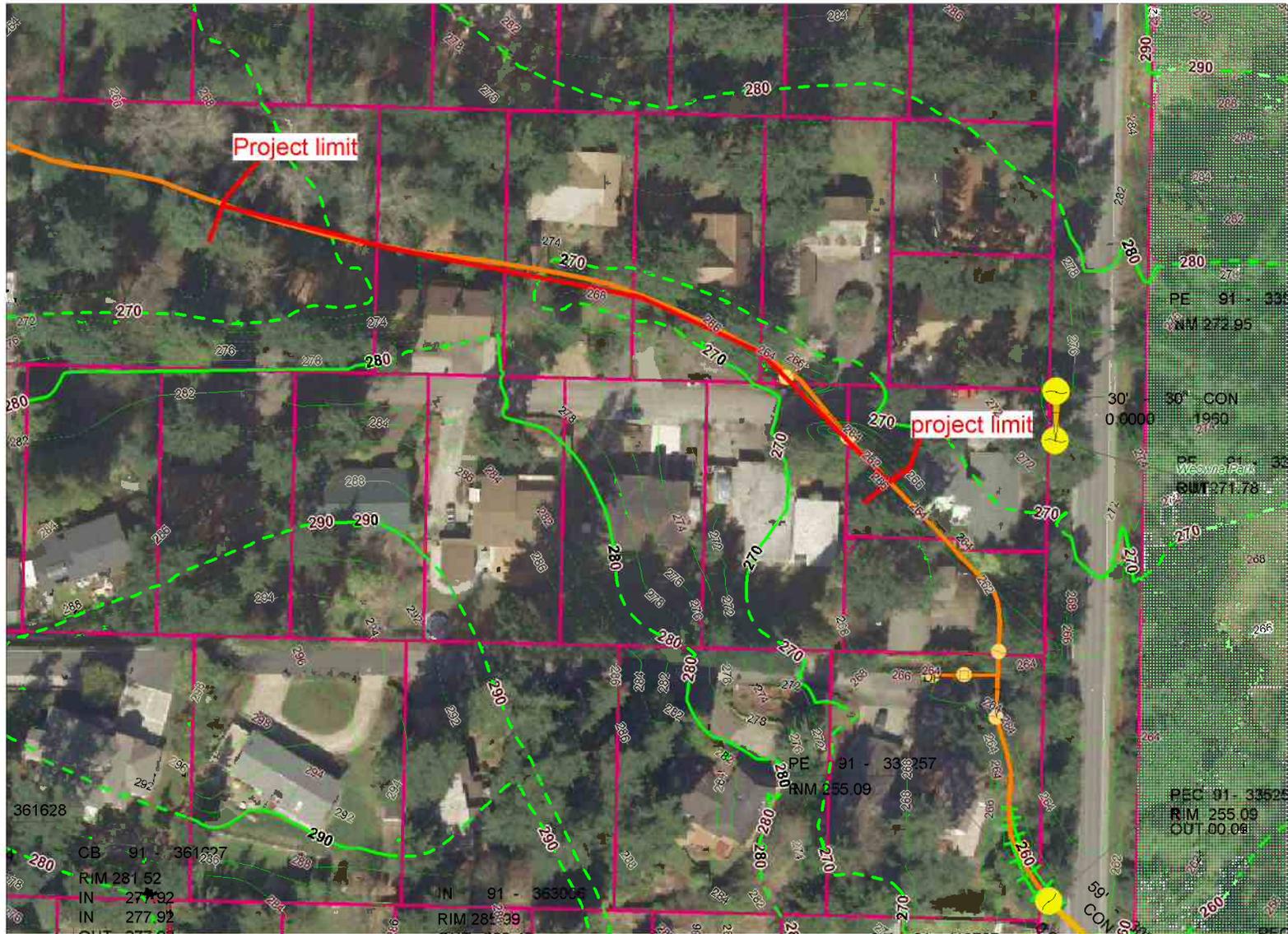
**Property Layers**

**Orthophotos**

 2009 1 ft pixels

**Contours**

- - - + + 10 ft Contours
- - - 10 ft. (obscured)
- + + + 10 ft. (depression)
- 10 ft.
- - - + + 2 ft Contours
- - - 2 ft. (obscured)
- + + + Depression
- 2 ft.



SCALE 1 : 1,172

