



## CITY OF KIRKLAND

### Department of Public Works

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[www.ci.kirkland.wa.us](http://www.ci.kirkland.wa.us)

## MEMORANDUM

**To:** David Ramsay, City Manager

**From:** Daryl Grigsby, Public Works Director  
Ray Steiger, P.E., Capital Projects Manager

**Date:** September 25, 2008

**Subject:** COCHRAN SPRINGS/PLAZA AT YARROW BAY FLOOD CONTROL  
ADVANCE 2009 FUNDS

### RECOMMENDATION:

It is recommended that the City Council approve the use of programmed 2009 CIP project funds for construction in 2008 on the subject project.

### BACKGROUND DISCUSSION:

Cochran Springs Creek flows within a publicly owned parcel of land immediately adjacent to the Plaza at Yarrow Bay Office Park, near the mouth of Yarrow Bay (Attachment A). In the past, overflow of the Creek from this parcel has resulted in flooding of the Office Park during heavy storm events. In response to this flooding issue, and based on input received from the property owner during development of the 2008-2013 CIP, Council approved a project that is intended to reduce flooding of the Office Park while at the same time enhance the habitat function of the stream corridor.

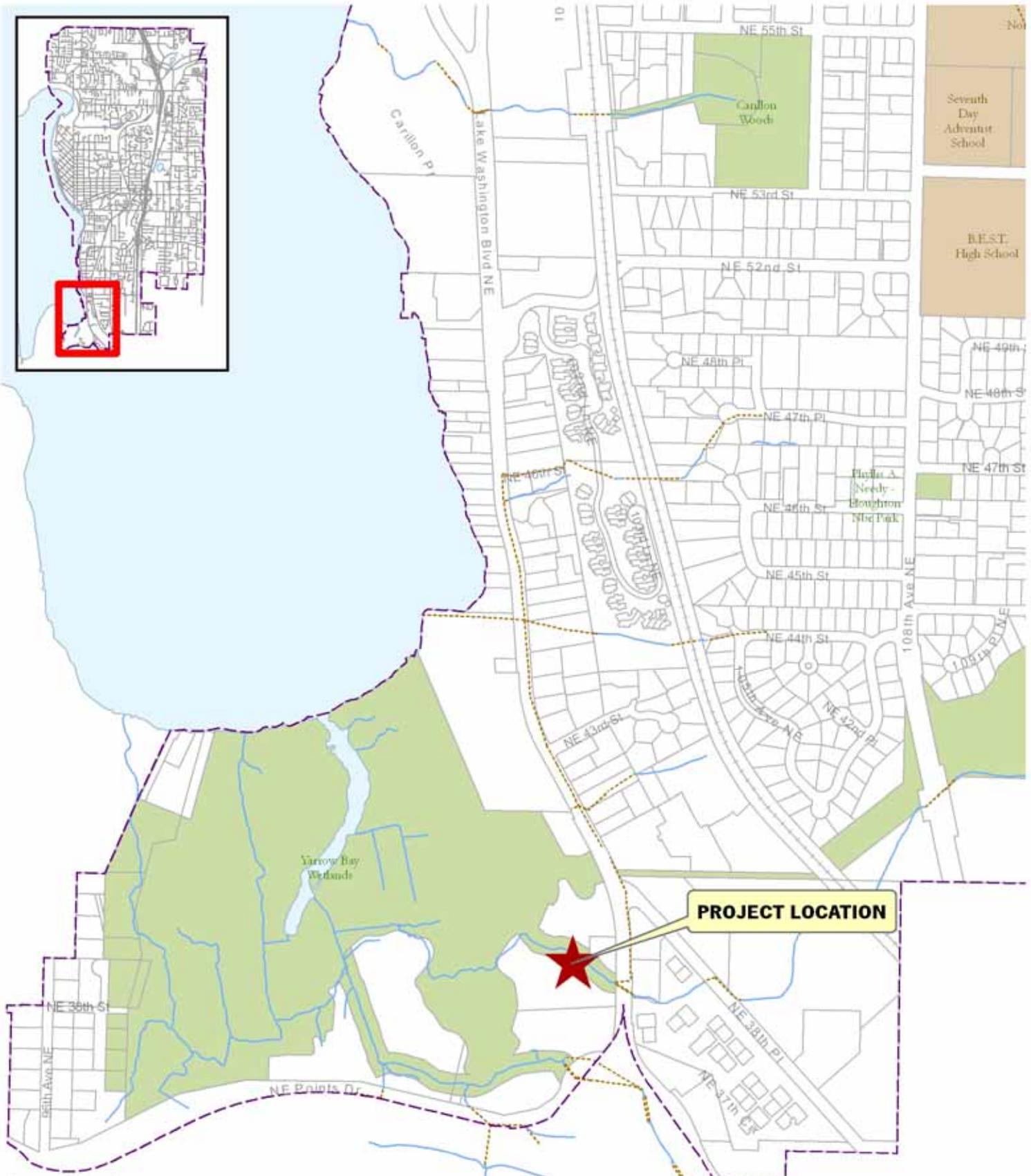
The total project budget in the CIP identifies \$60,000 for 2008 and \$107,600 for 2009. During the scoping of the project for the CIP, based on historical timing for similar surface water CIP projects for design and permitting, funding for 2008 was to be used to study the underlying causes of the problem, develop a design, and to obtain permitting to correct the situation – construction was programmed in 2009. By employing a design-build approach for the project, the study, design, and permitting have all been completed, and there are 2008 funds still available.

The project will consist of building two berms that will parallel the Creek and keep it within its banks during high flow periods, in addition, the project will include removing invasive plants and replanting the disturbed area with native species (see Attachment B). The design-build approach taken with this project calls for City surface water forces to undertake the berm construction along the Creek; plantings will be performed subsequent to the construction by EarthCorps.

EarthCorps is based in Seattle, and their work consists of volunteer-based and contracted restoration projects on public lands throughout the Puget Sound and Cascade mountain region. EarthCorps alumni volunteer on environmental restoration projects around the world, for example building and maintaining the Great Baikal Trail in Siberia. Two-thirds of EarthCorps' program participants come from the United States, one-third come from partner organizations from six different continents. This cooperative effort between the City and EarthCorps on the Project will allow it to be completed much more timely and for considerably less funding than originally anticipated, however in order to take full advantage of this opportunity, Staff is recommending that the project move to construction this fall.

In order to construct the entire project this year, Staff is proposing that the \$107,600 of surface water funding programmed in 2009 be made available for use in 2008. With Council's authorization to use 2009 funds in 2008 for this project, construction will commence in early October and be complete by mid-November.

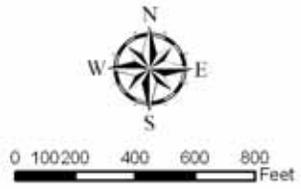
Attachments: (3)



**PROJECT LOCATION**

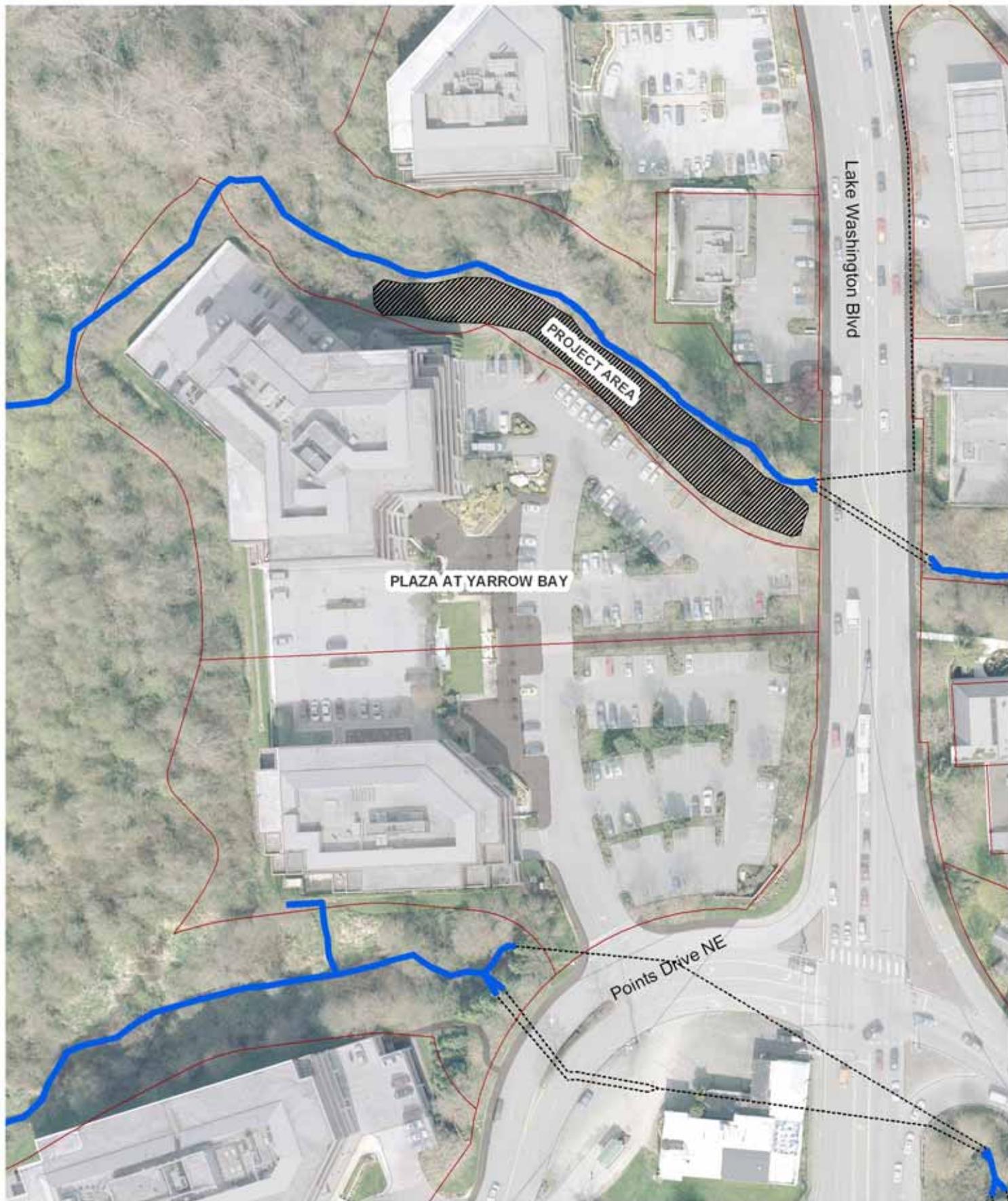
**Legend**

- Fire Station
- City of Kirkland Boundary
- Railroad Corridor
- Lake
- Streams in Pipe
- Open Streams
- Parcel Boundary
- Park
- School



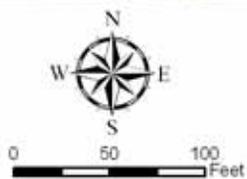
### **Cochran Springs Vicinity Map**

City of Kirkland | Department of Public Works  
 Cochran Springs Flood Control  
 COK Project No. CSD-0068



**Legend**

--- Streams in Pipe	Parcel Boundary
█ Open Streams	Road or Parking Lot
	Building
	Sidewalks



**Cochran Springs Project Area**  
City of Kirkland | Department of Public Works  
Cochran Springs Flood Control  
COK Project No. CSD-0068

**Source of Request**

Daryl Grigsby, Public Works Director

**Description of Request**

Advancement of \$107,600 in funding programmed for 2009 for the Cochran Springs/Plaza at Yarrow Point Flood Control CIP project. This project was approved in the adopted 2008-13 CIP and is recommended to be approved in the pending 2009-14 CIP. Due to early completion of the design and permitting stages, and to take advantage of a cooperative opportunity with EarthCorps, it is recommended to advance the programmed 2009 funding in order to complete the project in 2008. The cooperative effort between the City and EarthCorps will allow the project to be completed in a more timely manner.

**Legality/City Policy Basis**

**Fiscal Impact**

**Advancement of \$107,600 of Surface Water capital funding from the Surface Water Capital Contingency.** Funding for Surface Water capital projects are from surface water rates and the funding for the request to advance funding is available from the accumulated contingency in the Surface Water Capital Fund.

**Recommended Funding Source(s)**

	Description	2008 Est End Balance	Prior Auth. 2007-08 Uses	Prior Auth. 2007-08 Additions	Amount This Request	Revised 2008 End Balance	2008 Target
<b>Reserve</b>	Surface Water Capital Contingency	876,760	397,400	0	107,600	371,760	876,760
	Prior 2007-08 Authorized Uses includes \$360,500 for the Juanita Creek Channel Enhancements project for additional design work due to Dept. of Fish and Wildlife permits, higher than anticipated construction costs received on opened bids, and storm events that damaged in process and completed work and additional funding of \$36,900 for the NE 126th St/94th Ave Channel Restoration project.						
<b>Revenue/Exp Savings</b>							
<b>Other Source</b>							

**Other Information**

Prepared By	Sandi Hines, Financial Planning Manager	Date	September 29, 2008
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