



CITY OF KIRKLAND
Department of Public Works
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www.kirklandwa.gov

MEMORANDUM

To: Kurt Triplett, City Manager

From: Aparna Khanal, P.E., Project Engineer
David Snider, P.E., Capital Projects Manager
Kathy Brown, Public Works Director

Date: June 2, 2015

Subject: JUANITA CREEK ROCKERY REPLACEMENT - PRE-AWARD OF CONTRACT

RECOMMENDATION:

Staff recommends that the City Council pre-authorizes the City Manager to sign a Public Works construction contract for the Juanita Creek Retaining Wall Adjustment Project provided the lowest responsive bidder submits a bid price not greater than \$305,800 (or 110% of the engineer's estimate of \$278,000). Pre-authorization is critical on this Project to allow construction to occur within the Washington State Department of Fish and Wildlife (WDFW) construction work window. By accepting this memo during approval of the consent calendar, the pre-approval authority to the City Manager is granted, subject to the criteria outlined above.

BACKGROUND DISCUSSION:

The section of Juanita Creek that passes through a culvert at NE 129th Street, near 100th Ave NE (Attachment A), has been subject to a number of stream bank stabilization projects over the past two decades. Flooding during 2007 dislodged several rocks and made the rockery very difficult to repair without complete replacement.

The existing rockery embankment protection is currently failing. The planned Project will replace the rockery with a mechanically stabilized earth (MSE) wall - a product that is more stable, requires less maintenance, and is better for the fish habitat. The MSE wall is approximately 90 feet in length and its above-grade height will range from 2 feet to 10 feet. Other Project work elements include removal and disposal of the existing rockery, placement of large woody debris in the stream, and restoration of vegetated areas to improve in-stream habitat complexity.



Existing Rockery at Culvert Crossing

The Project is funded in part by City surface water funding (\$338,800) and a King County Flood Control Grant (\$237,903); with total Project budget of \$576,703. The current engineer's estimate for the construction of the Project is \$278,000 and, with staff's recommendation for City Council's authorization for a 110% cap on the City Manager's approval authority, the overall Project budget will maintain an additional 5% construction contingency (see Attachment B).

The permitting process for this Project was lengthy and included working with Washington State Department of Ecology and WDFW, as well as the Tribes and the Army Corps of Engineers. As a project that involves in-stream work, the permits received specify a construction work window ("fish window") that allows construction to occur in Juanita Creek between July 1 and August 31. With the permit process recently concluding and the "fish window" start date fast approaching, staff recommends a Council pre-authorization for the City Manager to sign a Public Works construction contract with the lowest responsive bidder deemed capable of performing the specified work. The pre-authorization will allow staff and the successful bidder to proceed with contracting and other pre-construction processes in time to complete construction work within the "fish window."

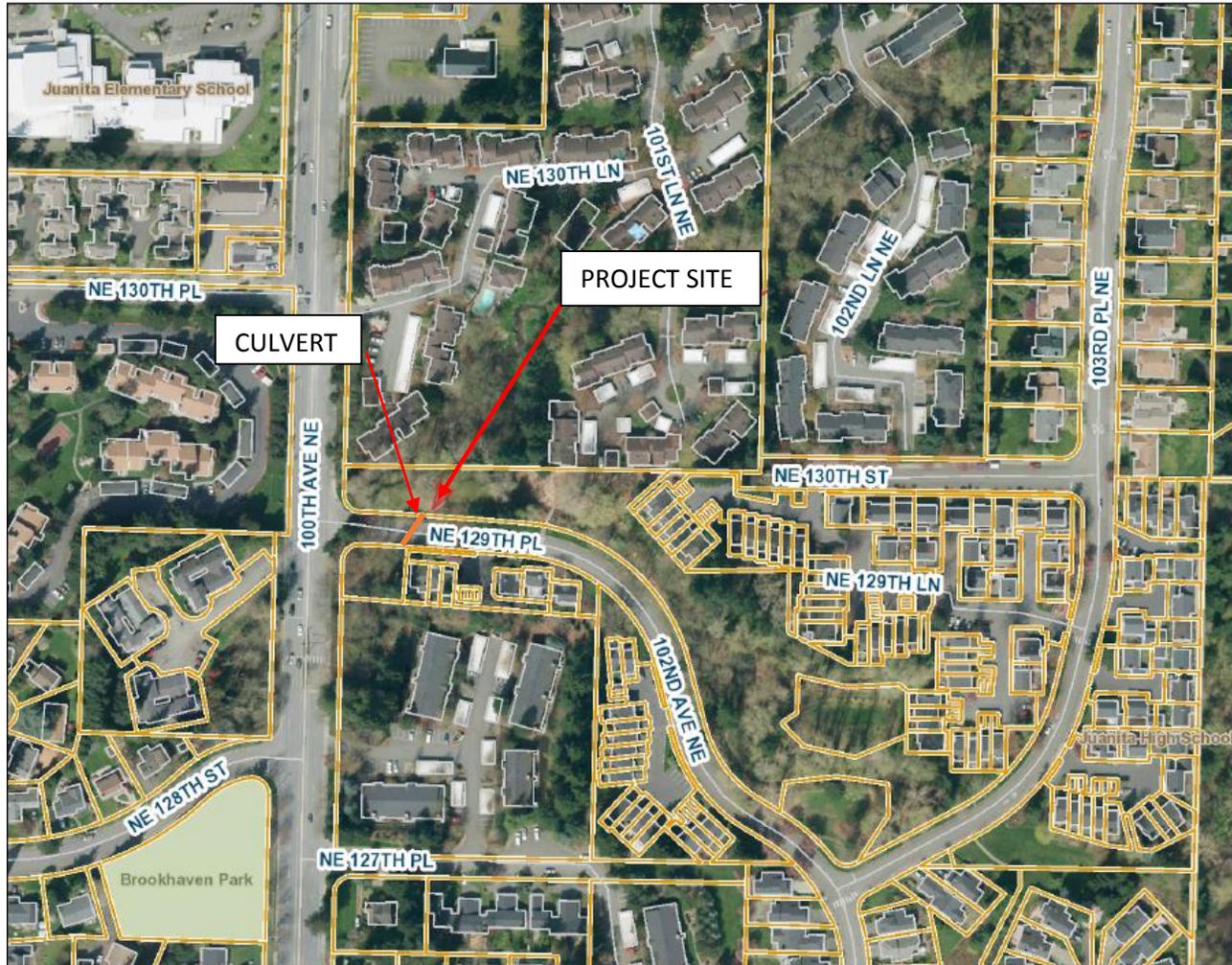
The Project schedule shows a total construction period of 60 days. With a successful bid opening and contract award, staff will begin its public outreach for the Project, including informational mailers being sent to adjacent and near-by residents, together with regular updates to the Kirkland Capital Improvement Project website. It is anticipated that the construction of the Project will be accomplished with minimal impacts to the area residents and without total road closures along NE 129th Street.

If the criteria listed above are not met, staff will return to City Council with the results of the bid opening and an appropriate recommendation with other options for moving the Project forward.

Attachment A – Vicinity Map
Attachment B – Project Budget Report



ATTACHMENT A



AREA MAP

Legend

- City Limits
- Cross Kirkland Corridor
- Regional Rail Corridor
- Streets
- Parcels
- Buildings
- Lakes
- Parks
- Schools

VICINITY MAP
JUANITA CREEK RETAINING WALL ADJUSTMENT

**JUANITA CREEK ROCKERY REPLACEMENT
(CSD - 0067)**

Attachment B

PROJECT BUDGET REPORT

