Staff Report

February 5, 2024 Council Workshop Meeting

Professional Services Agreement for Boulder Creek Intake Maintenance Improvements
Presenter: Rob Charles, Utilities Manager
Time Estimate: 5 minutes

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BACKGROUND: Boulder Creek has an intake which supplies water to the City's Water Treatment Plant located north of the city. Both Jones Creek and Boulder Creek provide water to the plant which provides seasonal water supply to Camas. Over time, the Boulder Creek intake has shown reduced capacity due to buildup of material around the intake. In addition, the creek has had washouts over the years which have eroded the bank and access maintenance road which staff uses to maintain the intake. Shell Engineering has previously worked on assisting the city with a condition assessment and repair concepts plan for the intake in the amount of $23,893.

SUMMARY: To fully utilize the capacity of the intake, creek bed material will need to be pulled from the stream channel around the intake. This material can then be used to stabilize the creek bank and also be used to reconstruct the eroding maintenance road. Shell Engineering is proposing to coordinate with multiple agencies for permitting requirements to maintain this intake. In addition, a survey of the area will be completed to confirm the quantity of material which will be dredged from the creek. When plans and specifications are completed, the project will be bid and the low bid award will be brought back to council. The work window in the stream is limited to the month of August.

Figure 1: Photo of existing dam and intake structure from downstream of dam looking upstream

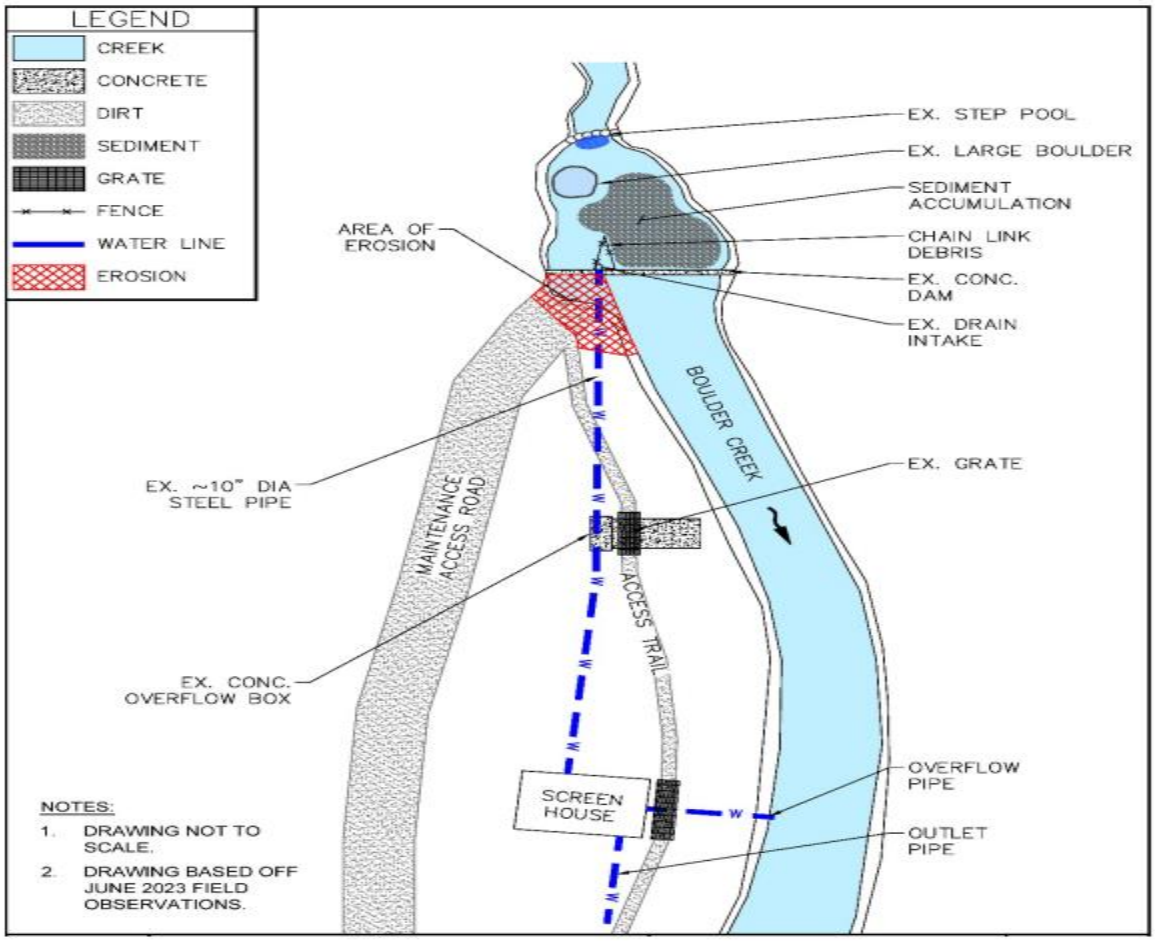

Figure 2: Vicinity map of Boulder Creek water intake structure

Figure 3: Existing bank erosion along right bank of Boulder Creek looking downstream in intake structure.

BENEFITS TO THE COMMUNITY: Full utilization of the City's Water Treatment Plant and the ability to turn off some wells during the winter months when the plant is operating.

POTENTIAL CHALLENGES: During agency consultations for permit requirements, there may be permitting requirements placed upon the maintenance work that are unexpected.

BUDGET IMPACT: The cost for the design and permitting portion of this project is $69,425.

RECOMMENDATION: Staff recommends this item be placed on the February 20, 2024 Council Regular Meeting Consent Agenda for Council's consideration.