



COUNCIL REPORT

DATE: September 12, 2023

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Charleston Pump Station Realignment,
Project 20-44—Professional Services
Agreement**

RECOMMENDATION

Authorize the City Manager or designee to execute a professional services agreement with GHD, Inc., to provide design engineering, environmental clearance, and permitting services for Charleston Pump Station Realignment, Project 20-44, in a not-to-exceed amount of \$1,800,000.

BACKGROUND

The Charleston Pump Station Realignment project was created to address improvement needs at the Charleston Pump Station and Charleston Retention Basin in the Shoreline Regional Park Community in the North Bayshore Area (Figure 1). The Charleston Pump Station was constructed in 1980 and was originally named Shoreline Stormwater Pump Station. The pump station drains the Charleston Retention Basin and outfalls the water into a tidally influenced portion of Stevens Creek north of U.S. 101.

The Charleston Retention Basin is located east of North Shoreline Boulevard, between Stierlin Court and Charleston Road. The basin collects stormwater runoff from an approximate 300-acre tributary area of the North Bayshore Area. The basin was designed to provide flood management benefits by offering temporary stormwater storage for up to a 100-year design storm event. Additionally, the basin provides a vital habitat for multiple bird species in the area. The City owns and maintains the basin, but the surrounding properties are owned by various private and public entities, such as Google, PG&E, and the Santa Clara Valley Water District.

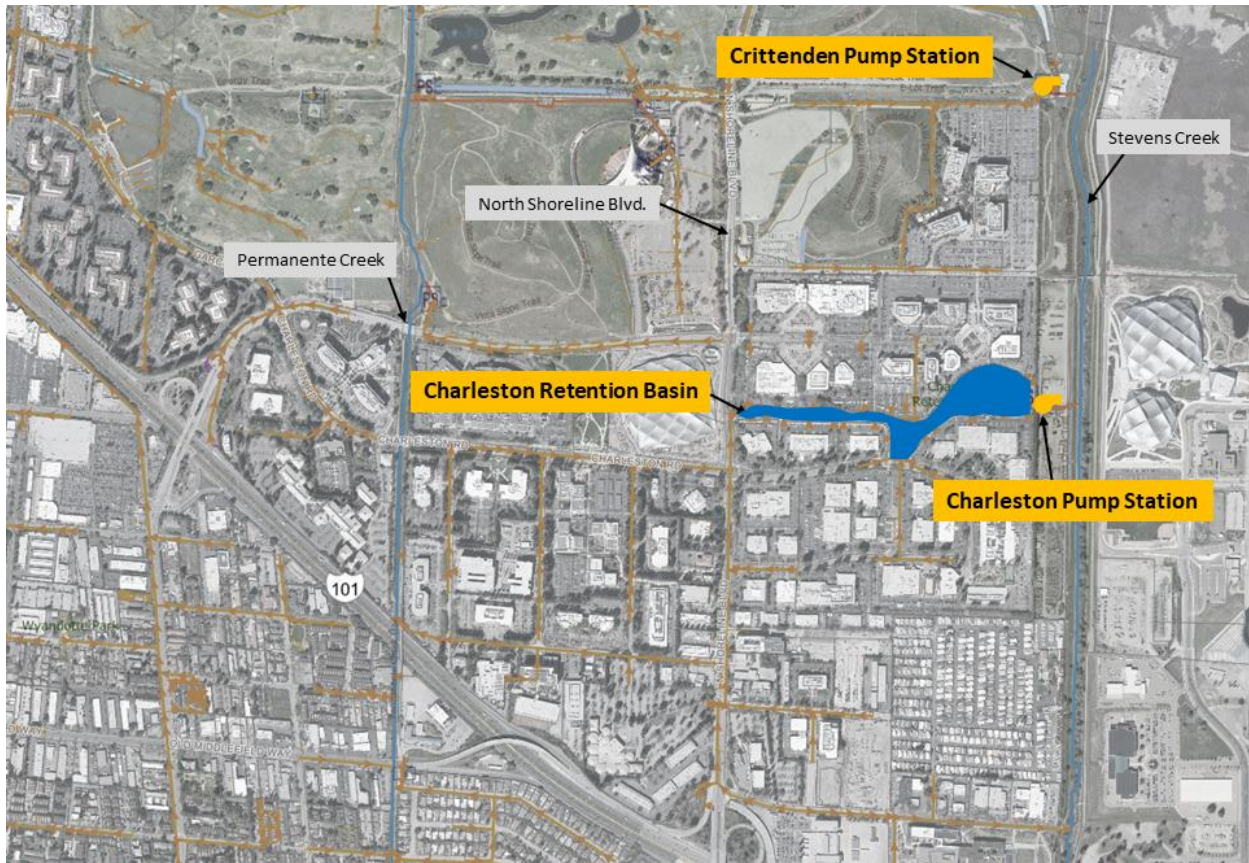


Figure 1: Project Location and Storm Drain System Map

The aging Charleston Pump Station has a number of condition and reliability issues. In addition, the City plans to streamline pump-station maintenance operations by reducing the number of existing pump stations. The Charleston Pump Station is identified in the City's Storm Drain Master Plan as a high-priority capital improvement project. The project includes:

- Construct a new storm drain pipeline to connect discharge from Charleston Retention Basin to Crittenden Pump Station;
- Add additional storm drain inlets along the new pipeline to improve local area drainage; and
- Decommission Charleston Pump Station to reduce maintenance needs and improve system reliability.

The Crittenden Pump Station, located directly north of Charleston Pump Station along Stevens Creek, was constructed in 1999 and designed to provide pumping capacity for up to a 100-year design storm event. The station has three large (200-horsepower) electric pumps and a smaller

(50-horsepower) electric jockey pump that discharge into Stevens Creek. The pump station was constructed to allow for the relatively easy installation of a fourth large pump if there should ever be a need for additional pumping capacity. The current project will take advantage of the ability to expand Crittenden Pump Station to handle diverted flow from Charleston Pump Station and provide reliable drainage from the North Bayshore Area to Stevens Creek and with the projected sea level rise. It is a project identified in the Sea Level Rise Capital Improvement Program—Project 13, Crittenden Pump Station Improvement.

Additionally, the City of Mountain View is a permittee of the California Regional Water Quality Control Board, San Francisco Bay Region, Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit. The permit requires the City to provide various stormwater management practices. These practices include treating urban stormwater for pollutants, trash, and peak runoff to minimize impacts to the waterways and the San Francisco Bay. To be compliant with the permit's new requirements for stormwater treatment and regional Green Stormwater Infrastructure, this project will identify options and include design plans to retrofit the Charleston Retention Basin to provide additional stormwater management benefits.

ANALYSIS

On June 30, 2023, the City issued a Request for Proposals (RFP) to firms to provide services for California Environmental Quality Act (CEQA) clearance, environmental permitting, design, and construction support for the project components identified above. The RFP was posted on the City website and on an online RFP posting service. On July 17, 2023, the City received one proposal from GHD, Inc. (GHD). A review panel of Public Works and Community Services staff reviewed the proposal and deemed GHD is well qualified to perform this work based on the project team's understanding of the project and their knowledge and experience from similar projects performed in the North Bayshore Area and San Francisco Bay Area.

The recommended not-to-exceed contract amount of \$1,800,000 includes \$1,595,656 for basic services and reimbursable expenses and an additional services amount of \$204,344 for potential additional field investigations, regulatory permitting, and engineering design work and unforeseen items. The recommended fees are within the range typically charged for such services based on similar types of projects at the City. Staff considers the fees to be fair and reasonable. With the approval of this contract, GHD could begin the project in fall 2023.

FISCAL IMPACT

Charleston Pump Station Realignment, Project 20-44, is funded with \$4,150,000 from the Shoreline Regional Park Community Fund. There are sufficient funds for the recommended agreement, and no additional appropriations are required.

ALTERNATIVES

1. Do not approve the recommended agreement and direct staff to reissue an RFP for the project.
2. Provide other direction.

PUBLIC NOTICING—Agenda posting.

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