



Hazen and Sawyer
4000 Hollywood Blvd., Suite 750N, North Tower • Hollywood, FL 33021

April 16, 2018

Clece Aurelus, P.E.
CITY OF HOLLYWOOD
Department of Public Services
Engineering Support Services Division
Post Office Box 229045
Hollywood, Florida 33022

City of Hollywood
Southern Regional WWTP
RAS Pump Station No. 1 Replacement
Amendment No. 1

Dear Mr. Aurelus:

As requested, Hazen and Sawyer, P.C. (H&S) is pleased to offer additional engineering services for the Return Activated Sludge Pump Station No. 1 replacement project for the Hollywood Southern Regional Wastewater Treatment Plant (SRWWTP).

BACKGROUND

Existing RAS Pump Stations No. 1 and No. 2 were constructed in 1973 and are critical to the proper functioning biological process at the wastewater treatment plant. Previously, CONSULTANT completed design, permitting, and bid services for the replacement of RAS Pump Station No. 2. Construction is currently underway and is scheduled to be completed in May of this year. Similar to RAS Pump Station No. 2, much of the mechanical and electrical equipment at RAS Pump Station No. 1 has also reached the end of its useful life and requires replacement. It is the scope of this project to replace the pumps, motors, valves, variable frequency drives, motor control center, disconnects, walkway, and perform other miscellaneous repairs within the station. The City has also requested that the scope of this project include repairs to leaks and/or cracks that are currently visible in the exterior of the oxidation basins.

Under the original Scope of Services for this work authorization, replacement of RAS piping leading from Clarifier Nos. 1 and 2 and the associated isolation valving was not envisioned. Recent information from Operations has determined that the piping is beyond its useful life and requires immediate replacement. As such, the City requested the following additional work efforts to include replacement as part of the overall scope of work for the project.

SCOPE OF SERVICES

CONSULTANT shall include the replacement of the existing Clarifier Nos. 1 and 2 RAS suction isolation valves and downstream piping leading into RAS PS No. 1. This design will include replacement of the pipe wall penetrations on the north and south sides of the pump station below grade and support and potential replacement of the below grade stairs and landing at the entrance to the pump station. One additional mechanical drawing and two additional structural drawings are envisioned.

COMPENSATION

The engineering services for this project will be performed on a lump sum basis for the amount of \$23,804. A fee breakdown is attached.

SCHEDULE

We anticipate completion of the amended scope of work associated with the detailed design within one (1) month from the date of the Notice to Proceed. We are prepared to proceed with these services immediately.

Engineering services for the project will be performed as part of our Professional Services Agreement for General Engineering Consultant Services Agreement dated October 2017. Services provided by Hazen and Sawyer, D.P.C. shall be limited to those services specifically identified in this work order (this work order supersedes the tasks listed in the Agreement). We look forward to your reply. In the meantime, should you have any questions, please contact us.

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Very truly yours,

HAZEN AND SAWYER



J. Philip Cooke, P.E.
Senior Associate

Attachment

c: File Nos. 4321-077/1.0

CITY OF HOLLYWOOD
SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT
RAS Pump Station No. 1 Replacement - Amendment 1
Fee Breakdown

<u>Tasks</u>	<u>Senior Associate</u>	<u>Senior Principal Engineer</u>	<u>Principal Designer</u>	<u>Subtotal</u>	<u>Cost</u>
LABOR					
Task 1 - Detailed Design	52	20	60	132	\$ 23,804
Subtotal	52	20	60	132	\$ 23,804
DIRECT EXPENSES					
Reproduction					\$ -
Out-of-pocket					\$ -
Subtotal					\$ -
Total (Lump Sum)					\$ 23,804
Maximum Hourly Raw Labor Rate*	\$67.90	\$56.79	\$46.20		
* Overall multiplier = 3.2					