



## **CITY OF WASHINGTON, ILLINOIS**

### **City Council Agenda Communication**

**Meeting Date:** July 15, 2022

**Prepared By:** Dennis Carr – City Engineer

**Agenda Item:** Water Treatment Plant 1 – Chlorine Improvement Engineering Agreement Supplement

**Background:** City staff had previously contracted CMT to perform a water quality study due to the fact that our two water treatment plants use different types of chlorination to treat the water. There was area in the middle of the two plants that was seeing a blending of the two types. The study showed that the best path forward for the city was to increase the amount of chlorine being used in Water Treatment Plant 1 to push the plant into a Free Chlorine disinfectant process to match WTP 2.

CMT was then contracted to design the Water Treatment Plant 1 Chlorine Upgrade Improvement. This engineering included the necessary testing to have IEPA approve a change in source water for Water Treatment Plant 1. While this testing and design was being done, IEPA was adjusting their narrative and guidance on lead service lines. The initial lead service line inventory was sent to Cornwell and the appropriate testing was done. During the bid process, the City continued updating its lead service line inventory as well. The updated guidance on galvanized lines and our updated list then brought another small round of testing needs for the IEPA to approve the source water change. This supplement is to account for the additional testing that came about because of IEPA's adjustment to their lead and galvanized guidance.

**Fiscal Impact:** The engineering agreement with CMT was for an amount not to exceed \$78,500. The supplement request of \$9,405.00 is for the additional work that was done out of the original scope

**Staff Recommendation:** Staff recommends approval of the Engineering Services Agreement Supplement with CMT for \$9,405.00

**Action Requested:** Approval of the CMT Engineering Services Agreement Supplement.



July 11, 2024

Mr. Dennis Carr, PE  
City Engineer  
City of Washington  
301 Walnut Street  
Washington, Illinois 61761

RE: Water Treatment Plant #1- Chlorination Improvement Project  
Engineering Services Amendment Request

Dear Dennis:

During the design phase of the project, there were tasks that took additional effort than originally scoped. A summary of these tasks is noted below:

- Additional water service scale testing. The amount of time the water service line (copper) took to acclimate to the proposed water quality was greater than originally scoped, which required several months of additional testing (\$6,285)
- Review of existing service line inventory and coordination with the City Staff and subconsultants to review the impact of lead and lead solder within the collection system (\$3,120)

The additional effort to perform the above noted services was \$9,405.00.

To account for these services, we request that the not-to-exceed amount of the engineering agreement (dated September 19, 2022) be increased from \$78,500.00 to \$87,905.00.

We appreciate the opportunity to provide engineering services for the City of Washington and look forward to working with you and your staff on this project. Upon your review and concurrence, please sign below to indicate your authorization for Crawford, Murphy & Tilly to proceed with this project.

Sincerely,  
**Crawford, Murphy & Tilly**

**Authorized by City of Washington**

A handwritten signature in black ink, appearing to read "Scott L. DeSplinter", is written over a horizontal line.

Scott DeSplinter, PE  
Water Group Manager

Name (Print): \_\_\_\_\_  
Date: \_\_\_\_\_