

**Metropolitan Domestic Water Improvement District
Board of Directors Meeting**

November 8, 2021

**Approval of the Professional Hydrogeological Services
for E&T 22 Replacement Well Drilling**

Synopsis

The Board of Directors is requested to authorize Clear Creek Associates, LLC (Clear Creek) to perform professional hydrogeological services for E&T 22 Replacement Well Drilling and Testing Oversight under the Professional Services Agreement for Miscellaneous Water Resources Consulting Services.

Background

A well video survey in early 2013 showed significant build-up on the inside of the well casing and that most of the well's perforations were at least half plugged. After brushing and bailing, most of the perforations remained plugged and numerous holes were revealed. This well was only 24 years old at the time and it was clear that the well was aging more quickly than what staff had previously experienced with District wells in other well fields. As such, staff began planning to replace E&T Well 22 with a well constructed of more robust materials.

The District uses the Miscellaneous Water Resources Consulting Services contract to assist staff in solving water resources supply, planning or management problems in a timely manner. On June 10, 2019, the Board of Directors approved Amendment No. 2 to the Miscellaneous Water Resources Consulting Services contract that anticipated the need for assistance with the replacement of E&T Well 22.

Due to land acquisition issues, the replacement of E&T 22 has been delayed until Fiscal Year 2022. Drilling and construction of the replacement well is now scheduled to occur during the winter months of 2022. This is now the time when the services discussed here will be needed for drilling and testing oversight assistance provided by Clear Creek.

Issues

Staff requested a scope and fee estimate from Clear Creek, the District's on-call water resources consultant, for assistance with construction inspection, and testing of the replacement well. Clear Creek provided a scope and fee estimate of \$103,289, which includes a 5% contingency. Clear Creek's scope assumes District staff will provide 30% of field oversight and inspection activities.

Funding for this project is contained in the Fiscal Year 2022 adopted budget within the Capital Improvement Program.

Staff Recommendation

Staff recommends the Board of Directors approve using Clear Creek, under the Professional Services Agreement for Miscellaneous Water Resources Consulting Services, to perform hydrogeological program support for the E&T 22 replacement well drilling and testing for the not-to-exceed amount of \$103,289.

Suggested Motion

I move that the Board of Directors approve using Clear Creek Associates, LLC under the Professional Services Agreement for Miscellaneous Water Resources Consulting Services, to perform hydrogeological program support for the E&T 22 replacement well drilling and testing for the not-to-exceed amount of \$103,289.

Respectfully submitted,

Wally Wilson
Water Resources Manager

I concur with the above recommendation.
Respectfully submitted,

Joseph Olsen, P.E.
General Manager