

Item 5 – Enhancement of District Static Water Level Measurement Application

With static water level measurement protocol at such a high level of importance, it is imperative that District staff can timely and accurately enter static water level measurements and all of the data involved in the calculation of the levels into the database on a real time basis.

Our Halff application currently allows the staff the ability to enter real time information at the well location on a limited basis. It is currently limited to:

Measurement Date
Depth to Water
Measurement Method
Pumping Status
Measurement Source
Notes

It is clear from discussions with stakeholders that the public would like to see all of the information generated at the well location that enters into the static water level determination. This information varies greatly depending on the measurement method. Our proposed protocol also calls for measuring each well to be measured twice allowing 5 minutes between measurements.

I have asked Halff to prepare a Task Order updating this application with the appropriate fields and calculation programming. Following is the Task Order for your review.

It is the recommendation of the General Manager that the Halff Associates Task Order No. 10 be approved.

**Brazos Valley Groundwater Conservation District
Task Order Authorization Agreement
For
Professional Services with Halff Associates, Inc.**

**Web Map Hosting and General Support
GIS Services Task Order Authorization No. 10
May 5, 2016**

Scope of Work:	<ol style="list-style-type: none"> 1. Water Level Measurement Support <ol style="list-style-type: none"> a. Halff will modify the District's existing water level measurement database table to support the additional fields required to automatically calculate final depth measurements taking into account the method of measurement (Airline, E-Line, and Steel Tape). Information to be stored in the database will follow the District's Static Water Level Measurement Form. b. Based on the method of measurement, the database will automatically calculate the Final Depth to Water once the required data has been saved to the database. c. Halff will add a new report generation method that will allow the District to generate Static Water Level Measurement Forms from the information in the database as a pdf file. The user will be able to specify date range, owner, or well/permit/state number to control which forms are generated. Measurement forms can also be generated directly from the specific water level measurement in the database. d. The Monitoring data field designation will have an additional value of "DFC" added to the dropdown list. An additional map layer will also be added to display the "DFC" wells.
Deliverables:	<ol style="list-style-type: none"> 1. Modified database with additional fields required for water level measurements 2. Water Level Measurement report generation
Items Furnished by BVGCD:	<ol style="list-style-type: none"> 1. Static Water Level Measurement Form (already provided)
Schedule:	60 days from notice to proceed.

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Fees:	1. <u>Water Level Measurement</u>	<u>\$5,400.00</u>
	Total Fee:	\$5,400.00
	This is a lump sum fee contract and will be billed monthly based on percent complete. Direct costs are included in this proposal. See Agreement Exhibit 'A' for Hourly Rate Schedule.	

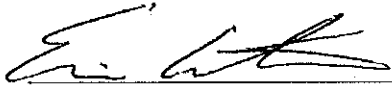
Halff Associates is performing the services above under the terms and conditions described in the **Agreement For Professional Services On A Task Order Basis**, dated November 26, 2012, between Halff Associates and the Brazos Valley Groundwater Conservation District. Halff Associates will bill the above described services under AVO 29239.

Submitted

Approved

Halff Associates, Inc.

**Brazos Valley Groundwater
 Conservation District**



Erin Atkinson

Title: Vice President

Title: _____

Date: May 5, 2016

Date: _____