

Item 4 – District Database Update/Additional Functions

District Database update to the latest framework interface

There has been a recent update by Halff Associates to the web map framework interface. The update will enhance features already being utilized and add several not presently available.

Monitoring Well Filter

The monitoring well network has become more of a focus as the District implements a more regimented and exacting method of gathering static water level measurements for comparison to the desired future condition of an aquifer. Currently, a user cannot filter for data by aquifer. This tool will allow the staff and public to quickly filter for well measurements, by aquifer, and will clearly show the distribution of the wells being measured.

Permit Renewal Notification

This additional function will be present on the dashboard of the database displaying permits that are due for renewal 30, 60, and 90 days out. The staff is required to notify permit holders in advance of renewal. We are currently giving a minimum of a 30-day notice. With the number of active 1-year and 5-year operating permits, this added function will allow the staff to properly notify permit holders and alleviate the possibility of overlooking a permit renewal.

Quick Books Invoicing

Our current system of invoicing requires using data in the District database which is not linked to the Quick Books software. Having to probe two different databases when invoicing is time consuming and very cumbersome especially during the November Brazos River Alluvium invoicing and the February operating permit billing cycle. The added function allows our District database and Quick Books to completely interface. Using this additional function will save a great deal of time allowing staff to focus on more important tasks.

**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. 8
 February 2, 2016**

<p>Scope of Work:</p>	<ol style="list-style-type: none"> 1. Upgrade Web Map Framework <ol style="list-style-type: none"> a. Halff will upgrade the existing public and secured web maps to the latest framework interface that has been developed by Halff. b. The latest framework interface developed by Halff includes the following functionality: <ol style="list-style-type: none"> a. Legend/Layers – enhanced feature, separated single Map Contents element b. Change layer order – new feature c. Bookmarks – new feature d. Find Address – existing feature e. Find Feature – new feature f. Identify – enhanced existing feature g. Draw – existing feature h. Measure – existing feature i. Print – existing feature j. Directions – new feature k. Editor – existing feature l. Google Street View – enhanced feature m. Go To Coordinate – existing feature n. Nearby – new feature o. Search – new feature 2. Permit Renewal Notification on Dashboard <ol style="list-style-type: none"> a. Add a permit renewal section to the existing Dashboard that shows which permits will be expiring in the next 30, 60, and 90 days b. Renewal notification table will display the Owner Name, Permit Number, and Expiration Date c. The Owner Name and Permit Number values will support hyperlinking to their respective details pages
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	<ol style="list-style-type: none"> 3. Monitoring Well Filter <ol style="list-style-type: none"> a. Web map tool that allows the user to filter the displayed monitoring wells based on assigned aquifer value b. Tool will be added to both the public and secured web maps
Deliverables:	<ol style="list-style-type: none"> 1. Updated public and secured web maps. 2. Updated database management dashboard 3. New monitoring well web map filter
Items Furnished by BVGCD:	<ol style="list-style-type: none"> 1. N/A 2. N/A 3. N/A
Schedule:	60 days from notice to proceed.

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Fees:	1. Web Map Update	\$1,500.00
	2. Permit Renewal Notification	\$1,200.00
	3. Monitoring Well Filter	<u>\$1,200.00</u>
	Total Fee:	\$3,900.00
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.		

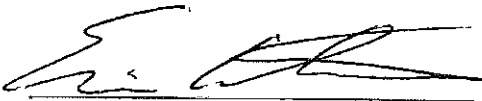
Halff Associates is performing the services above under the terms and conditions described in the Agreement For Professional Services On A Task Order Basis, dated November 26, 2012, between Halff Associates and the Brazos Valley Groundwater Conservation District. Halff Associates will bill the above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

Submitted

Approved

Halff Associates, Inc.

**Brazos Valley Groundwater
Conservation District**



Erin Atkinson

Title: Vice President

Title: _____

Date: February 2, 2016

Date: _____

**Brazos Valley Groundwater Conservation District
Task Order Authorization Agreement
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**Web Map Hosting and General Support
GIS Services Task Order Authorization No. 9
February 29, 2016**

Scope of Work:	<ol style="list-style-type: none">1. QuickBooks Support<ol style="list-style-type: none">a. Halff will modify the District's existing database to support exporting the data needed for invoicing using QuickBooks Desktop Pro 2016b. The following modifications will be made to the database:<ol style="list-style-type: none">i. Three (3) invoicing groups will be supportii. The Owner table will be modified to list the invoice group the Owner is associated withiii. The District credit system will be added to the databaseiv. The Owner table will be modified to support whether or not an Owner will receive the credit and the associated years the credit was givenv. Currently the Permit supports whether or not production is reported via a Yes/No option, a third option will be added to represent the Brazos River Alluvium (BRA) wells that are not metered and invoiced at the full permitted amountc. A data export routine will be developed to support the required information for generating invoices with QuickBooks Desktop Pro 2016<ol style="list-style-type: none">i. The data contained within the export will follow the same procedure used to pull the current Production Fee Reportii. The export will allow District staff to select the invoice group and timeframe that needs to be exportediii. The exported information will support the District credit system and the un-metered BRA wellsiv. The exported file will be specifically formatted to meet the requirements of the QuickBooks file importd. Once exported, the District will download and import the file to QuickBooks2. QuickBooks Automation (optional)<ol style="list-style-type: none">a. Halff will develop a web API interface that will allow the QuickBooks software to connect directly to a remote database via the internet
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	b. Halff will develop the web API using a secured connection to the District's database hosted by Halff so that District staff can access invoicing data directly which will remove the need to export the data and then import to QuickBooks						
Deliverables:	1. Modified database with ability to export QuickBooks data 2. QuickBooks plug-in supporting the connection to the database hosted by Halff						
Items Furnished by BVGCD:	1. Existing QuickBooks database and export/import testing 2. Testing of the QuickBooks connection plug-in						
Schedule:	60 days from notice to proceed.						
Fees:	<table> <tr> <td>1. QuickBooks Support</td> <td align="right">\$5,700.00</td> </tr> <tr> <td>2. <u>QuickBooks Automation (optional)</u></td> <td align="right">\$2,400.00</td> </tr> <tr> <td>Total Fee:</td> <td align="right">\$8,100.00</td> </tr> </table> <p>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.</p>	1. QuickBooks Support	\$5,700.00	2. <u>QuickBooks Automation (optional)</u>	\$2,400.00	Total Fee:	\$8,100.00
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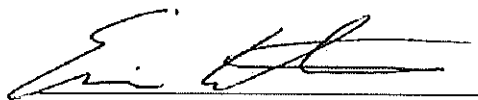
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