



TETRA TECH

January 28, 2010

Ms. Tracy Balint
City of Rochester Hills
1000 Rochester Hills Drive
Rochester Hills, MI 48309

**Re: Engineering Design Services for Water Storage Reservoirs
Phase II Scope of Services**

Dear Ms. Balint:

Pursuant to our discussions, we were pleased to provide the following break down of Phase II engineering services for the Rochester Hills Water Storage Reservoirs project. The base scope of services was provided in the Methodology Section of our July 7, 2009 proposal. In addition, on September 23, 2009 we provided a detailed breakdown of potential extra services that were not included in the base scope of work per your request. Based on the assumptions and findings presented in our Phase I Feasibility Analysis, we are able to provide a final scope of services for Phase II.

Phase II Base Services

| | |
|---|-----------|
| DWRF Project Plan | \$ 20,020 |
| Preliminary Engineering/Site Investigations | 20,000 |
| Geotechnical | 28,320 |
| Basis of Design | 36,980 |
| Final Design | 129,870 |
| Bidding Services | 13,700 |
| Construction Engineering Services | 149,095 |

Additional Scope Items as defined in Sept. 23, 2009 letter

| | |
|--|--------------|
| Installation of Additional Water Main (7,200LF at \$6,500 per 1000 LF) | 46,800 |
| Individual pumping station designs | 30,000 |
| Wetland Delineation | 2,000 |
| Wetland Permitting | 2,500 |
| Video Security System | 9,600 |
| Design of Improvements at 4 DWSD metering sites | 10,500 |
| Tank and Pump Station Site Renderings (Four 17" by 24") | 4,800 |
| Public Meetings (12) | <u>4,800</u> |

Total **\$508,985**



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The proposed budgets assume that pre-cast concrete reservoirs will be designed. The additional costs associated with cast-in-place reservoirs has not been included as defined in our September 3, 2009 letter.

Thank you again for the opportunity to assist the City of Rochester Hills on the phase I feasibility analysis. We await your favorable review of these Phase II services, and very much look forward to proceeding into the design phase of this important project.

If you have any questions or require additional information please feel free to call.

Sincerely,

James V. Rydquist, P. E.
Project Manager