



TETRA TECH, INC.

PROJECT STATUS COMMUNICATION

DATE: September 13, 2010

PREPARED BY: James Rydquist

PROJECT: Rochester Hills Water Storage Reservoirs, Phase II

PROJECT NO: 200-46087-10001 CUSTOMER P.O./RELEASE #

CONTACT: Tracy Balint

Task completed or in-progress since last status communication.

At the City's request Tetra Tech completed a review of the existing Booster Pumping Station at Tienken and Adams Roads to determine if there could be an compatible reuse of the facility within project. It was determined that there was not a compatible reuse with the proposed facilities.

Tetra Tech participated in a meeting with the surrounding communities to determine if there was a mutual benefit to include others into the Reservoir Project. This meeting was held on August 9th, 2010 and could effect the overall scope of the engineering tasks. The analysis for Auburn Hills and Oakland Township is still being completed. We analyzed the feasibility of providing service to Auburn Hills alone and determined that they could be serviced with minimal impact on the Tienken road Facilities. During the peak day demand the system used slightly more water from the reservoirs than was originally proposed, slightly reducing the amount of water available for fire demand on the peak day. The addition of Oakland Township is currently being analyzed, but the initial results are showing increases to both water main and tank sizing. In addition the booster pump station at Adams Road and Tienken Road may need to be upgraded to push more water north. Final results for these analyses should be completed by the end of the week, (Sept. 17th).

Moving forward we are proceeding to develop the pump station layout and the building plans (plan and elevations) since they will be necessary for the site plan submittals as well as the construction plans. The Tienken Road site is being used as the base design for the pump stations and should not change dramatically based on the final selection of the other site location.

Opportunities for cost avoidance or added value.

Tetra Tech has been providing further analysis of system hydraulics than was originally proposed. The total authorized amount includes budget for additional services. Our time spent analyzing the hydraulics for the existing booster pump station and servicing of additional communities would fall under the category of an additional service and is being completed under our total authorized amount.

Impediments, roadblocks, assistance needed.

Based on the critical path schedule, Tetra Tech needs to start work on the layout of the facilities and the watermain by August 16th to ensure the project schedule is met. Delays in selection of the final site have the potential to cause delays in submission of site plans for review by the City of Rochester Hills.

The selection and acquisition of the East-Central Reservoir location needs to be completed as soon as possible. Based on the critical path schedule, Tetra Tech needed to start work on the layout of the facilities and the watermain by August 16th to ensure the project schedule is met. Delays in selection of the final site have the potential to cause delays in submission of site plans for review by the City of Rochester Hills.

Change (or potential change) of scope items or customer concession. (Details on attached Request for Change Authorization)

[X] No change to product.

Schedule:

We suggest a meeting be set up to discuss the results of the Auburn Hills and Oakland Township analysis. We suggest the meeting be set up for September 17th or later.

Next task or action items.

- Finalize hydraulic analysis.
Develop building plans for proposed pump station.



TETRA TECH, INC.

PROJECT STATUS COMMUNICATION

Please feel free to contact any member of your Team at any time.

James V. Rydquist  
Project Manager

Phone: 313-224-9804

Email: James.Rydquist@tetrattech.com

Gary Markstrom  
Project Professional

Phone: 810-225-8419

Email: Gary.Markstrom@tetrattech.com