



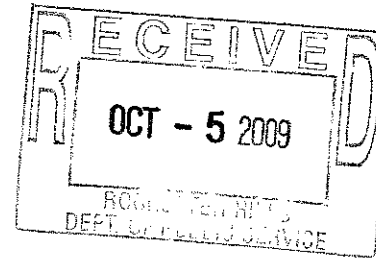
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October 2, 2009

City of Rochester Hills  
1000 Rochester Hills Drive  
Rochester Hills, Michigan 48309

Attn: Mr. Roger Moore, P.S.

Re: City Hall Pond Restoration  
Project Update and Budget Amendment Request

Job No. 20060218

Dear Mr. Moore:

Over the past few weeks, staff from the City and HRC has been diligently pursuing completion of the plans, specifications, and cost estimate for the City Hall Pond Restoration. Staff from the City, HRC and the MDEQ met to discuss the details of this project in a pre-application meeting, an MDEQ permit application was prepared and submitted on September 2, 2009, draft plans and specifications for City review were provided to the City the week of September 14, 2009, and the City's comments have been addressed and final plans and specifications were delivered to the City on October 1, 2009.

In the original scope of work, HRC was to develop plans, specifications, and a cost estimate for the following items of work:

- Stabilization of Avon Creek from Rochester Hills Drive to the pond and from the pond outlet to the exposed utilities.
- Remove the existing asphalt spillway and construct a stable storm water channel along the gully on the south side of the entrance drive.
- Dredge and restore the in-line pond, reconstruct the outlet structure, and construct a littoral bench on the north side of the pond.
- Replace the lawn area south and northwest of entrance drive with native grass/forb mix and establish a 10-20 foot wide strip of "no mow" fine fescue along the drive.

Along with the design features listed above, the scope of work has changed to include the following additional items:

- Along with addressing the stability of the stream, HRC developed plans and specifications for a Riparian Improvement Cut, which is a selective cutting and clearing of the floodplain areas to remove invasive species.
- At the direction of the City, HRC expanded on the littoral bench idea and created plans and specifications for two small wetlands to be located on the north side of the pond including planting and seeding plans.



- HRC incorporated a gravel path to connect the existing mowed path from the Environmental Education Center to the footbridge located upstream of the pond, which would skirt the edges of the proposed wetlands.
- HRC prepared the plans to reflect the removal of the existing storm drain along the north side of Rochester Hills Drive and create a storm water ditch with bio-degradable check dams.
- HRC considered additional items to reduce the construction costs including the use of Geosynthetic Clay Liner for the outlet structure.

During preliminary discussions with staff, the City expressed a wish list of site improvements that included most of the above mentioned items. The original construction budget of \$178,000 appears to have capacity for these improvements so HRC added these to the plans and specifications. While the original engineering services proposal was for \$31,955 to complete the design as outlined, HRC feels that additional fees are warranted to cover the change in scope of work to include the design for the additional items which took approximately 185 extra hours in total.

Based on the information provided above, HRC is requesting a \$16,000 budget increase from the initial approved budget of \$31,955 for a new engineering budget of \$47,955. The HRC team will minimize time and expense as practical. We appreciate your consideration of this request and will keep working on project on the previously agreed to schedule.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Handwritten signature of Walter H. Alix in cursive script.

Walter H. Alix, P.E., P.S.  
Vice President/Principal

Handwritten signature of James F. Burton in cursive script.

James F. Burton, P.E., LEED AP, CFM  
Environmental Engineering Department Manager

DGC/jb

pc: HRC; W. Alix, D. Mitchell, D. Calhoun, R. Myllyoja, File