



HUBBELL, ROTH & CLARK, INC
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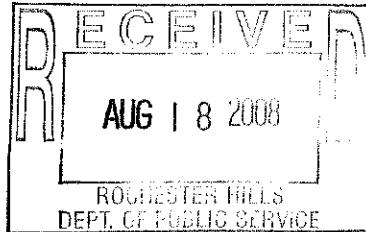
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 Dennis J. Benoit

August 15, 2008

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



Attention: Mr. Roger Moore, P.S.

Re: Rainier Storm Drain Project
 Proposal for Engineering Services

HRC Job No. 20080556

Dear Mr. Davis:

As requested, Hubbell, Roth and Clark, Inc. (HRC) is pleased to provide Engineering services for the proposed project. Our scope of work is based on the preliminarily designed Rewold Drain Ph. III project, results of our May 12, 2008 Drain Study, and continued progress of the Shelton Pontiac Development project. Our services would include final design engineering and construction engineering. Although it is likely that there may be a need for a private easement at the south end of the project, it is assumed that HRC right-of-way acquisition services will not be necessary. It is noted that HRC has a contract to provide all of these services for the City of Rochester Hills.

In general, the Project will consist of the construction of approximately 1,600 lineal feet of 21" to 36" diameter storm sewer on Avon Road and Rainier Street, in the northwest quarter of Section 23. Rainier Street is an existing gravel road, and it is assumed that if disturbed, the road will be restored with a gravel surface. It is anticipated that the proposed 24" storm sewer crossing Avon Road will have to be installed using bore and jack methods, and will require a permit from the Road Commission for Oakland County. The preliminary estimated construction cost for this work is approximately \$385,000.

Our design services would include finalizing the existing draft plans of the Rewold Drain Ph. III project that were prepared for the Oakland County Drain Commissioner (OCDC). The plans would be modified to eliminate the regional detention pond at the south end and add a treatment unit structure. It is also our understanding that the City will provide all front end specifications and administer the bidding process. HRC will provide all technical specifications and provide technical assistance for the City throughout the bidding process.

Table 1 is a breakdown of the proposed project tasks, estimated hours and associated fees. As requested, we have broken these down by Design Engineering Services and Construction Engineering Services. It is noted that we have included 8 hours of survey crew time during the design phase to accommodate any potential new topographical information that may be warranted. These costs would be invoiced on a time basis in accordance with our current contract and will not be exceeded without prior authorization. As shown, the cost of engineering design services is estimated to be \$25,764.00.

As requested, construction engineering services for contract administration, layout and observation are shown for this project. Pending the availability of City staff, HRC can provide these services in full or part. It is anticipated that material testing services will be conducted by others. As shown, the total cost of construction services is \$38,842.00.

For the purposes of this proposal, a preliminary Project schedule is included as Figure 1. It is our understanding that design of this project was originally slated for FY2009, with construction occurring in FY2010. However, because this storm drain is required as the outlet for the proposed Shelton Pontiac Development, the City desires to accelerate the project in order to accommodate the proposed development, as discussed during the August 13th meeting.

We thank you for your consideration of HRC and your request for our proposal and hope that the information provided meets the City's desires. We look forward to working with the City again and will be happy to meet with you at your convenience to discuss this project. Should you concur with this proposal, please sign below to serve as our authorization to proceed.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Daniel W. Mitchell, P.E.
Associate

Attachment

pc: HRC; J. Surhigh, File

Recommended by:
CITY OF ROCHESTER HILLS

Roger Moore, P.S.

Date: _____

Approved by:
CITY OF ROCHESTER HILLS

Bryan K. Barnett, Mayor

Date: _____

CITY OF ROCHESTER HILLS
RAINIER STORM DRAIN PROJECT

TABLE 1
ESTIMATED HOURS AND FEES

August 7, 2008

HRC Job No. 20080556

Task Description	Associate/ Project Manager	Rate Classification & Estimated Hours							Total Hours
		Sr. Engineer	Engineer	Sr. Tech.	Technician	Survey Crew	Observer	Clerical & Repro.	
FINAL DESIGN									
1 Plans	4	40	10	40		8			
2 Technical Specifications	4	8						12	114
3 Permits	4	24		20				4	16
4 Bidding	4	24		10				4	52
5 Meetings/Coordination (3)	6	8						8	46
SUBTOTALS	22	104	10	70	-	8	-	28	14
CONSTRUCTION									
1 Field Layout			4	8		40			
2 Observation	4				16		300		52
3 Contract Administration	12	48	40						320
SUBTOTALS	16	48	44	8	16	40	300	-	100
PROJECT TOTALS	38	152	54	78	16	48	300	28	714

DESIGN FEE SUMMARY (Does not include Geotechnical Investigation & Environmental Assesment by others)

PERSONNEL	HOURS	RATE	TOTAL
Associate/ Project Manager	22	\$ 46.00	\$ 1,012.00
Sr. Engineer	104	\$ 42.00	\$ 4,368.00
Engineer	10	\$ 34.00	\$ 340.00
Sr. Tech.	70	\$ 30.00	\$ 2,100.00
Survey Crew	8	\$ 63.00	\$ 504.00
Clerical & Repro.	28	\$ 20.00	\$ 560.00
TOTAL DIRECT PAYROLL			\$ 8,884.00
TOTAL INDIRECT PAYROLL (1.9)			\$ 16,880.00
TOTAL ESTIMATED COST			\$ 25,764.00

CONSTRUCTION FEE SUMMARY (Does not include Material Testing by others)

PERSONNEL	HOURS	RATE	TOTAL
Associate/ Project Manager	16	\$ 46.00	\$ 736.00
Sr. Engineer	48	\$ 42.00	\$ 2,016.00
Engineer	44	\$ 34.00	\$ 1,496.00
Sr. Tech.	8	\$ 30.00	\$ 240.00
Technician	16	\$ 24.00	\$ 384.00
Survey Crew	40	\$ 63.00	\$ 2,520.00
Observer	300	\$ 20.00	\$ 6,000.00
TOTAL DIRECT PAYROLL			\$ 13,392.00
TOTAL INDIRECT PAYROLL (1.9)			\$ 25,450.00
TOTAL ESTIMATED COST			\$ 38,842.00

Rochester Hills Rainier Storm Drain Project

HRC Job No. 20080556



TASK NAME/DESCRIPTION	2008					2009					
	August	Sept.	Oct.	Nov.	Dec.	January	February	March	April	May	June
Authorization to Begin Work	◆										
Soil Investigation & Wetland Flagging (by others)		█									
DESIGN											
Topographical Survey Update (if nec.)		█									
Plans & Specs		█	█	█							
Permits			█	█	█						
Owner Review				█							
Final Plans & Specs				█							
Bidding Phase					█	█					
Meetings/Coordination (3 Total)		◆	◆	◆							
CONSTRUCTION											
Award Contract						█	█				
Sewer Construction							█	█	█		
Final Restoration									█	█	