

PRINCIPALS

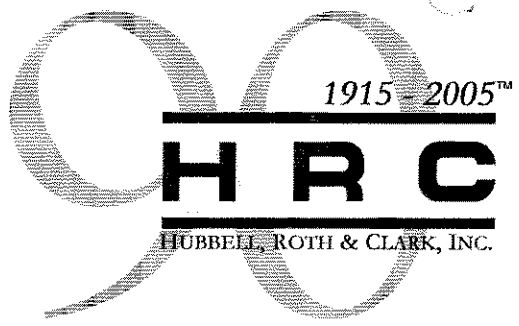
Gerald F. Krapp
Thomas E. Biehl
Walter H. Alix
George E. Hubbell
Peter T. Roth
Michael D. Waring
Keith D. McCormack
Curt A. Christeson

CHIEF FINANCIAL OFFICER

J. Bruce McFarland

SENIOR ASSOCIATES

Frederick C. Navarre
Gary J. Tressel
Lawrence R. Ancypa
Kenneth A. Melchior
Dennis M. Monsere
Randal L. Ford
David P. Wilcox
Timothy H. Sullivan



ASSOCIATES

Thomas G. Maxwell
Nancy M.D. Faught
Jonathan E. Booth
Michael C. MacDonald
Marvin A. Otane
James C. Hanson
Richard F. Beaubien
William R. Davis
James J. Aiello
Daniel W. Mitchell
Jesse B. VanDeCreek
Robert F. DeFrain
Marshall J. Grazioli
Thomas D. LaCross

July 8, 2005

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

Attention: Mr. Paul Davis, P.E., City Engineer

Re: Spencer Park Improvements

HRC No. 20050147.21

Dear Mr. Davis:

At our Friday, June 24, 2005 meeting the Spencer Park Improvements were discussed in detail and it was requested that HRC provide a proposal for engineering services. Following is our understanding of the improvement items that are being considered:

1. Extend the existing partially paved bituminous entrance/exit roads the entire length to the parking lot, including the connecting turn around.
2. Pave the eastern half of the existing gravel parking lot and provide 6 handicap spaces.
3. Pave the remaining parking lot to provide a total of 200 parking spaces, which may include extending the existing gravel lot west and south as necessary to accommodate the additional spaces.
4. Provide a concrete curb on the east side of the lot only.
5. Add an additional parking lot south of the existing lot.
6. Pave a bituminous pad in front of storage building located adjacent to the soccer field.
7. Construct a new bituminous road around the storage building.

The items above are listed in order of the priorities expressed at the meeting. It is noted that there is to be no drainage improvements since it is anticipated that the parking area will drain by sheet flow and ultimately enter the drain east of the existing lot. It is also noted that soil borings are not warranted and it is anticipated that the existing material for the lot and access roads will provide an adequate base for the new bituminous surface. In addition, the existing berm separating the west end of the parking lot and the end lot on Michelson Road may be reconstructed if necessary.

Attached is "Table 1 - Construction Cost Estimate", showing the preliminary estimated construction cost of each of the priority items. These preliminary costs include a ten percent (10%) contingency and are provided to develop a final project scope within the Park's budget. Once the scope of work has been



decided on, these improvements would be incorporated into the bidding documents of the John R Road Improvement Project so that the work could receive an economy of scale relative to the lower unit pricing that is anticipated for the larger project.

"Table 2 – Engineering Cost", shows the estimated hours and associated costs for HRC to provide design services for each task. Similar to the construction estimate, these costs are based on incorporating the project into the John R Road Improvement Project. It is noted that should the final project require separate bidding documents such that the project could be bid separately, the estimated hours and costs will need to be revised accordingly.

It is proposed that once the final project is selected that these engineering services be authorized through an amendment to the existing John R Road and East Ferry Drain Improvement Project. Once you have reviewed this information, please get back with us so we can finalize our proposal to you.

We look forward to this project.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



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

WHA/vb

Attachment

cc: HRC: D. Mitchell

TABLE 1
Construction Cost Estimates

<u>Item</u>	<u>Estimated Construction Cost</u>
1. Pave Park Entrance	\$45,000
2. Pave One Half Existing Lot	\$80,000
3. Pave Remaining Existing Lot	\$75,000
4. Concrete Curbing Along East Side of Lot	\$10,000
5. New Lot South of Existing Lot	\$70,000
6. Storage Building Asphalt Pad	\$20,000
7. Storage Building Road	\$20,000

TABLE 2
Engineering Cost

Item	Associate (\$105/hr)	Engineer (\$85/hr)	CADD (\$70/hr)	Survey (\$180/hr)	Total
1 Pave Park Entrance	4	24	40	8	\$6,700.00
2 Pave one half of Existing Lot	4	24	40	4	\$5,980.00
3 Pave Remaining Parking Lot	4	24	40	4	\$5,980.00
4 Concrete Curbing	1	8	12	-	\$1,625.00
5 New Parking Lot Northeast of Existing Lot	4	24	40	8	\$6,700.00
6 Storage Building Asphalt Pad	2	12	32	4	\$4,190.00
7 Storage Building Road	2	12	32	4	\$4,190.00