

**PRINCIPALS**

Daniel W. Mitchell  
Nancy M. D. Faught  
Keith D. McCormack  
Jesse B. VanDeCreek  
Roland N. Alix  
Michael C. MacDonald  
James F. Burton  
Charles E. Hart

**SENIOR ASSOCIATES**

Gary J. Tressel  
Randal L. Ford  
William R. Davis  
Dennis J. Benoit  
Robert F. DeFrain  
Thomas D. LaCross  
Albert P. Mickalich  
Timothy H. Sullivan

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Marvin A. Olane  
Marshall J. Grazioli  
Donna M. Martin  
Colleen L. Hill-Stramsak  
Bradley W. Shepler  
Karyn M. Stickel  
Jane M. Graham  
Thomas G. Maxwell  
Todd J. Sneathen  
Aaron A. Uranga  
Salvatore Conigliaro

**HUBBELL, ROTH & CLARK, INC.**

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**ADDENDUM NO. 2  
TO  
SPECIFICATIONS AND CONTRACT DOCUMENTS  
FOR  
2017 FILTER MEDIA REPLACEMENT  
CITY OF GROSSE POINTE FARMS**

Issued: August 18, 2017

HRC Job No. 20160815

**Intent:**

This Addendum No. 2 is issued prior to receipt of Bids to provide clarifications and address questions relative to the Bidding Documents. Failure to include this Addendum No. 2 and included Specification pages within the Bidding Documents may result in disqualification of the bid.

**PRE-BID MEETING MINUTES**

- A copy of the Minutes from the August 17, 2017 Pre-Bid meeting is included with this Addendum No. 2.

**CONTRACTOR QUESTIONS**

In addition to the Contractor questions asked at the Pre-Bid meeting, the following questions were asked prior to and following the meeting:

Question 1: Referenced to General Condition section 00700, article 6. Permits; states, the contractor shall secure at no cost to the owner all permits necessary. Please advise what permit are required?

Response 1: Only a Part 399 Permit from the MDEQ is required. This has been applied for by the Owner and will not have a cost for the Contractor.

Question 2: Reference to the existing Surface-Wash-Water Sweeps, how many sweeps are there in each filter? Who is the manufacturer of the existing sweeps?

Response 2: There are four Sweeps in each filter cell. Facility records indicate that the original manufacturer was Palmer Filter Equipment Company, however, these have been extensively repaired over time with new parts. The current nozzles were installed by plant staff and supplied by Leopold.

Question 3: Is there storage area within the facility to store filter media?

Response 3: Limited storage for media for 2 filters at a time can be arranged in the filter gallery, provided adequate protection for the terrazzo floor is utilized. Phased deliveries of media should be planned as there is not adequate area within the facility for storage of media for more than 2 filter cells. Indoor storage area will be confined to the filter gallery. Additional limited area storage area for gravel can be arranged on the south side of the plant driveway.

Question 4: Is there staging area for the Contractor's Trailer? And are we allowed to tie into existing power for temporaries?

Response 4: Contractor should not plan on having a trailer onsite, there is not an adequate staging area. However, an indoor area for the Contractor's office and tool storage will be made available inside of the facility.

Question 5: Is there going to be an operator available to backwash? Do we need to schedule backwash ahead of time with the plant?

Response 5: Yes. Yes.

Question 6: Are there any limits on backwashes per day?

Response 6: The limiting factor for backwashing is time to refill the backwash tank on the roof. This tank holds approximately 35,000 gallons of water and takes approximately 2 hours to completely refill resulting in a 4-5 full backwashes per day.

Question 7: If the new Leopold underdrain system needs to be installed (Leopold IMS Cap System) will a CFD analysis be required?

Response 7: No.

Question 8: If the new Leopold underdrain system needs to be installed (Leopold IMS Cap System) will the filter media be – Filter Sand at 12-inches and GAC at 18-inches?

Response 8: No, a full bed of GAC similar to the existing 24" should be assumed.

Question 9: If the existing underdrain stays, will the existing ceramic balls be re-used or replaced?

Response 9: Ceramic balls are to be re-used and care is to be taken to avoid loss of ceramic balls during support gravel removal. The facility has a limited number of spare balls available in storage that may be used as needed if any existing balls are found to be broken.

Question 10: Would it be acceptable to use the filter media supplier for the "Comprehensive Media Bed Evaluation"?

Response 10: Yes, as long as the filter media gradation is verified by a third-party laboratory.

Question 11: With regards to the "Comprehensive Media Bed Evaluation", it states in specification 02030 that this evaluation will occur after all 8 filter cells are back in service. From our experience, section 3.7 in specification 14000 items B, C & D are performed during and right after media installation. Please advise if this is acceptable.

Response 11: This is acceptable for items B, C and D. Item E is to be performed after all cells are back in service.

Question 12: Due to access to work area and limited laydown areas, would it be acceptable to have the gravel layer shipped in smaller bags (50 to 100 lbs)?

Response 12: Yes, this is a means and methods question and is left up to the Contractor's discretion.

Question 13: What is the layout of the existing filter underdrains?

Response 13: Facility records indicate that each filter cell contains 60 precast Wheeler blocks of 22-1/2"x23-1/2" dimensions with 9 cones per block and 40 precast Wheeler blocks of 22-1/2"x15-1/2" dimensions with 6 cones per block. A layout plan from Wheeler/BIF c. 1966 will be provided to the Contractor to which the project is awarded.

Question 14: Is there a specific trucking route required for mobilization and deliveries?

Response 14: Yes, trucks should utilize I-94 to Moross to Grosse Point Blvd. and access the site via the driveway along Grosse Pointe Blvd.

Question 15: If additional work, such as repairs or replacement of the underdrains is required in the filters, will extra time be added to the contract?

Response 15: Consideration for additional time to be discussed and negotiated during construction on an as needed basis based on the results of the filter cell and underdrain inspections.

Question 17: The specs mention caulking in the filter beds, what is the expectation for that?

Response 17: Caulking should be placed as needed to repair any defects along the joints of the filter cells. It is not anticipated that there will be a substantial amount of caulking required, if any at all.

Question 18: Are there any noise restrictions and working hour restrictions in the Plant or City?

Response 18: There are no noise restrictions inside of the Plant itself. Outside of the plant, construction work hours, including deliveries are limited to 7:30 am to 7 pm, Monday through Friday. Weekend work is discouraged.



Prospective Bidders  
August 18, 2017  
HRC Job Number 20160815  
Page 4 of 4

The Bidder shall acknowledge receipt of this Addendum No. 2 below and on page 3 of the Proposal.

Prepared by

HUBBELL, ROTH & CLARK

Aaron A. Uranga, P.E.  
Associate

Company Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Dated: \_\_\_\_\_

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**MEETING MINUTES  
2017 FILTER MEDIA REPLACEMENT  
GROSSE POINTE FARMS' WTF**

Date: August 17, 2017

HRC Job No. 20160815

Time: 10:00 AM

Meeting Held: Grosse Pointe Farms WTF

Attendees:

See attached Sign-in Sheet

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**PURPOSE:** To provide a summary of the project scope and allow interested bidders to tour the facility.

1. Introductions and Sign-In
  - a. Sign in sheet is attached.
2. Project Purpose
  - a. Scheduled Replacement of filter media (done every 5 years)
  - b. Filter cell inspection, including underdrains to assess current condition of the underdrains.
3. Sequence of Construction and Special Project Requirements
  - a. Water Treatment Facility to remain active throughout the filter project
  - b. Two cells at a time to be taken out of service
  - c. Refer to additional details in the Specifications.
4. Bid Form was discussed:
  - a. Bids must include completed Proposal with acknowledgement of Addenda.
  - b. Base Bid includes media replacement, gravel replacement, underdrain inspection allowance, repair allowance, and filter study.
  - c. Alternate A – price on a per cell replacement of the filter underdrain system. It was noted that filter performance does not suggest an immediate need for underdrain replacement but that this is included in the bid as a contingency pending the inspection.
5. Document Distribution
  - a. Plans and specifications must be purchased from HRC which will maintain an official list of plan holders. Any addenda will only be issued to plan holders.
6. Project Schedule and Completion Dates
  - a. Bids Due – August 24 by 3:00 pm attention of the City Clerk, 90 Kerby Road, Grosse Pointe Farms, MI 48236. Hand delivery is encouraged (no fax or email).
  - b. Bid hold period is 60 days.
  - c. Notice to Proceed will be issued after bid review, recommendation of award, and City Council approval. It was noted that approval is anticipated to be at either September 11 or October 9 meeting.
  - d. Substantial Completion by February 28, 2018 (defined as all filter cells returned to service).
  - e. There are Liquidated damages in the Agreement, if completion date is missed.

- f. A question was asked regarding a potential time extension based on required filter rehabilitation work. HRC responded that this would be discussed and possibly negotiated with the Contractor during the actual work, based on the findings of the underdrain evaluation.
7. Instructions regarding where to direct questions prior to bids
  - a. Email to HRC Project Representative per Instructions to Bidders
  - b. Questions due tomorrow, 8/18 by 5:00 pm.
  - c. Email to:  
Aaron Uranga  
auranga@hrcengr.com
8. Permit Requirements
  - a. MDEQ Part 399 Permit – No Cost
9. Addendums
  - a. Addendum 1 – issued to schedule prebid meeting
  - b. Addendum 2 – prebid meeting sign in and responses to written questions.
10. Bidders were given the opportunity to review the filter gallery, outdoor filter cells and filter piping gallery.
11. The meeting/site tour was adjourned at 11:00 am

These minutes are intended to be a summary of those items discussed. Any corrections and/or comments should be noted to the writer as soon as possible.

Respectfully submitted,

HUBBELL, ROTH & CLARK, INC.



Aaron Uranga, P.E.  
Associate

pc: All present  
HRC; File



# MEETING SIGN-IN SHEET

HUBBELL, ROTH & CLARK, INC  
Consulting Engineers

Project: 2017 Filter Media Replacement

Location: Grosse Pointe Farms WTF

Purpose: Pre-Bid Meeting

Date/Time: 8/17/2017 at 10:00 A.M.

	NAME	REPRESENTING	PHONE	E-MAIL
1.	Aaron Uranga	HRC	248-535-3466	auranga@hrcengr.com
2.	Scott Homminga	City of Grosse Pointe Farms	(313) 590-0193	shomminga@comcast.net
3.	DOUG WEST	OAK CONST	810 644 2302	OAKCONSTRUCTION@YAHOO.COM
4.	Mike Michalak	HRC	248-535-5042	mmichalak@hrcengr.com
5.	Dan Charvin	Grosse Pointe Farms	313 319 0180	citywide65@comcast.net
6.	Richard Babler	Walsh Construction	313-218-2130	RBabler@walshgroup.com
7.	RYAN DEPREZ	WALSH CONSTRUCTION	313-220-0687	RDEPREZ@WALSHGROUP.COM
8.	ADAM MUDGE	PROCESS PLANTS & EQUIP	248 684 5330	ppreadam@comcast.net
9.				
10.				
11.				
12.				