

**ADDENDUM NO. 2  
TO SPECIFICATIONS FOR:  
2023 SEWER REHABILITATION PROGRAM  
BLOOMFIELD TOWNSHIP, MICHIGAN**

Issued: September 12, 2023

HRC Job No. 20220265

This Addendum is issued prior to receipt of proposals to provide for certain changes and clarifications to the Specifications and/or the Drawings, as herein specified, and is hereby made a part of the Contract Documents and shall be taken into consideration in preparing the Proposal. All other conditions remain the same. **The Proposer shall acknowledge the receipt of this Addendum by signing below, including this addendum with their proposals, and completing the Addenda section on Page 4 of the Proposal Form (Section 00300).** Failure to sign the Addenda Section of the Proposal Form in the submission of the proposal may be justification for the proposal being rejected as non-responsive. The following lists the extent of this Addendum. Descriptions of the changes or clarifications are given within each heading:

**SPECIFICATION CHANGES:**

- ≡ Section 00300 – Proposal
  - Bid Item #7 – Updated Bid Item Description from 10-inch to 12-inch diameter.
  
- ≡ Appendix C – Tables
  - Updated Quantities listed in Appendix C.

**CLARIFICATIONS**

- ≡ Specification 02708 Section 2.2 (A):
  - Please use Flexural Strength ASTM D790 Minimum of 4,500 PSI
  - Please use Flexural Modulus of Elasticity ASTM D790 Minimum of 250,000 PSI.

2.2 PHYSICAL STRENGTH	
A. The CIPP system shall conform to the minimum initial structural standards, as listed below.	
Flexural Strength	Standard Minimum Required ASTM D 790 4,500 psi
Flexural Modulus of Elasticity	Standard Minimum Required ASTM D 790 250,000 psi
Hubbell, Roth & Clark, Inc. Job 20220265	
ED-IN-PLACE PIPE TOWNSHIP OF BLOOMFIELD /8 2023 SEWER REHABILITATION	
Flexural Strength	<del>ASTM D 790 6,500 psi</del>
Flexural Modulus of Elasticity	<del>ASTM D 790 725,000 psi</del>
Note: Samples from the project shall be taken and tested in accordance with Section 8 of ASTM F 1216 using either method. See Section 3.8, "Site Quality Control" of this Specification.	

Delhi Township  
2101 Aurelius Rd.  
Suite 2A  
Holt, MI 48842  
517-694-7760

Detroit  
535 Griswold St.  
Buhl Building, Ste 1650  
Detroit, MI 48226  
313-965-3330

Grand Rapids  
1925 Breton Road SE  
Suite 100  
Grand Rapids, MI 49506  
616-454-4286

Howell  
105 W. Grand River  
Howell, MI 48843  
517-552-9199

Jackson  
401 S. Mechanic St.  
Suite B  
Jackson, MI 49201  
517-292-1295

Kalamazoo  
834 King Highway  
Suite 107  
Kalamazoo, MI 49001  
269-665-2005

Lansing  
215 S. Washington SQ  
Suite D  
Lansing, MI 48933  
517-292-1488

**PROSPECTIVE BIDDER QUESTIONS:**

- ≡ Q: Is the Color-Audio route Survey require Observation Crew Days?
  - A: No, Observation Crew Days are not required to perform the pre-construction Audio-Video Route Survey.
- ≡ Q: After review of the specs I do not see a rough amount of grout to expect per joint.
  - A: The specific amount of grout per joint is not specified prior to a successful air pressure test. If a Contractor experiences typical amounts per joint diameter, they may be used for bidding purposes.
- ≡ Q: As far as CIPP testing, will HRC require 1 third party test for each CIPP liner installed? I do not see a frequency in the documents.
  - A: Per Specification 3.11 Section A, ASTM F1216 indicates a test be performed per sewer segment receiving a CIPP Liner.
- ≡ Q: Page 161 of 208 discusses a "leakage test." - This language requires us to perform a "downtube exfiltration test" that's outlined in ASTM F-1216. The challenge with this language is that it means you would perform all the installations with water inversion. The most popular and efficient installation method today is using an "air inversion, steam cure" installation method and it's this method that has really helped to keep the cost of CIPP low. It's also preferred because it uses only 10% of the water consumed by the water inversion method. By requiring the exfiltration test, you lose all the efficiencies of the "air inversion, steam cure" installation method.
  - A: The exfiltration/leakage test listed under Specification 02708 Section 3.11 (B) is applicable to water-cured installations only, and is therefore not required for steam inversion. This test is required for each sewer segment using a water-curing installation.

**SUMMARY:**

This Addendum No. 1 has been issued in order to clarify, modify, and add additional items to the original Bid Package. A copy of the amended pages of the Contract Documents noted in this addendum have been posted online at <http://www.hrcengr.com/bid-info>. The Bidder shall acknowledge receipt of this Addendum No. 1 by signing in the location provided below and incorporating this Addendum No. 1 with the submission of his bid. Failure to include Addendum No. 1 and its attachments may result in rejection of the bid.

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

Respectfully submitted,

HUBBELL, ROTH & CLARK, INC.



Matthew G. Hughes, P.E.  
Project Engineer

Attachment:

pc: All Plan holders  
Bloomfield Township; R. Corey Almas, A. Hysinger  
HRC; K. Stickel, M. Corona, (Front Desk), N. Womack (Repro) File

Received and Acknowledged By:

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

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

Printed Name: \_\_\_\_\_

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

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

PROPOSAL  
FOR  
2023 SEWER REHABILITATION  
TOWNSHIP OF BLOOMFIELD  
OAKLAND COUNTY, MICHIGAN

TOWNSHIP OF BLOOMFIELD  
DAVE PAYNE PUBLIC SEVICES BUILDING  
1153 EXETER ROAD  
BLOOMFIELD HILLS, MI 48302

Bids Due: Monday, September 18, 2023  
On or Before 10 am, Local Time  
HRC Job No. 20220265

To Prospective Bidders:

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

The above, as Bidder, hereby declares this bid is made in good faith without fraud or collusion with any persons bidding, and that the Drawings, Specifications, and all other information referenced in the Instructions to Bidders have been examined. Further, the Bidder is familiar with the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to the performance of the Contract.

The Bidder acknowledges that no representations or warranties of any nature whatsoever have been received, or are relied upon from the **TOWNSHIP OF BLOOMFIELD**, its agents or employees, as to any conditions to be encountered in accomplishing the work and that the bid is based solely upon the Bidder's own independent judgment.

The above, as Bidder, hereby certifies that the Drawings, Specifications, and other data provided by the Owner for bidding purposes have been examined. Further, the undersigned certifies that the proposed construction methods have been reviewed and found acceptable for the conditions which can be anticipated from the information provided for bidding.

The Bidder hereby affirms that the site of work has been inspected and further declares that no charges in addition to the Individual Unit Prices shall be made on account of any job circumstances or field conditions which were present and/or ascertainable prior to the bidding. In addition, The Contractor, as such and as Bidder, shall make the determination as to existing soil conditions and shall also complete the work under whatever conditions created by the Contractor/Bidder's sequence of construction, construction methods, or other conditions the Contractor/Bidder may create, at no additional cost to the Owner.

The above, as Bidder, confirms knowledge of the location of the proposed **2023 SEWER REHABILITATION** Project and appurtenant construction in the **TOWNSHIP OF BLOOMFIELD** of **OAKLAND** County Michigan, and the conditions under which it must be constructed; and also declares to have carefully examined the Drawings, Specifications, and Contract Documents which the Bidder understands and accepts as sufficient for the purpose of constructing said **2023 SEWER REHABILITATION** Project, and appurtenant work, and agrees to contract with the **TOWNSHIP OF BLOOMFIELD** to furnish all labor, materials, tools, equipment, facilities and supervision necessary to do all the work specified and prescribed for the **TOWNSHIP OF BLOOMFIELD** in strict accordance with the Owner's General Conditions, and with the full intent of the

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Drawings and Specifications, prepared by Hubbell, Roth & Clark, Consulting Engineers, and will accept in full payment therefore the sum of:

**BASE BID – Division I**

<u>Item</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Cost</u>
1. Mobilization (Max 5%)	1	@ Lump Sum	= \$ _____
2. Color Audio Video Route Survey	1	@ Lump Sum	= \$ _____
3. Sewer Lining, CIPP, 8-inch Diameter Sanitary	3,791 Lft	@ \$ _____	= \$ _____
4. Sewer Lining, CIPP, 10-inch Diameter Sanitary	560 Lft	@ \$ _____	= \$ _____
5. Sewer Lining, CIPP, 12-inch Diameter Sanitary	1,617 Lft	@ \$ _____	= \$ _____
6. Clean and Televis, PACP Reporting, 8-inch Diameter Sanitary	329 Lft	@ \$ _____	= \$ _____
7. Clean and Televis, PACP Reporting, 12-inch Diameter Sanitary	1,106 Lft	@ \$ _____	= \$ _____
8. Heavy Cleaning, 8" Diameter Sanitary	113 Lft	@ \$ _____	= \$ _____
9. Heavy Cleaning, 10" Diameter Sanitary	226 Lft	@ \$ _____	= \$ _____
10. Heavy Cleaning, 12" Diameter Sanitary, as-needed	Lft	@ \$ _____	= \$ _____
11. Chemical Grout Joints	34 Ea	@ \$ _____	= \$ _____
12. Traffic Control	1	@ Lump Sum	= \$ _____
13. Observation Crew Days	_____	@ \$600	= \$ _____

SUBTOTAL AMOUNT OF BID  
(Division I - Items 1 through 13) \$ \_\_\_\_\_

**BASE BID – Division II**

<u>Item</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Cost</u>
14. Mobilization (Max 5%)	1	@ Lump Sum	= \$ _____
15. Color Audio Video Route Survey	1	@ Lump Sum	= \$ _____
16. Sewer Lining, CIPP, 8-inch Diameter Sanitary	1,628 Lft	@ \$ _____	= \$ _____
17. Clean and Televis, PACP Reporting, 10-inch Diameter Sanitary	254 Lft	@ \$ _____	= \$ _____
18. Chemical Grout Joints	24 Ea	@ \$ _____	= \$ _____
19. Traffic Control	1	@ Lump Sum	= \$ _____
20. Observation Crew Days	_____	@ \$600	= \$ _____

SUBTOTAL AMOUNT OF BID  
(Division II - Items 14 through 20) \$ \_\_\_\_\_

**BASE BID – Division III**

<u>Item</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Cost</u>
21. Mobilization (Max 5%)	1	@ Lump Sum	= \$ _____
22. Clean and Televis, PACP Reporting, 8-inch Diameter Sanitary	1,581 Lft	@ \$ _____	= \$ _____
23. Clean and Televis, PACP Reporting, 10-inch Diameter Sanitary	249 Lft	@ \$ _____	= \$ _____

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24. Clean and Televis, PACP Reporting, 12-inch Diameter Sanitary	399 Lft	@	\$ _____	=	\$ _____
25. Traffic Control	1	@	Lump Sum	=	\$ _____
26. Observation Crew Days	_____	@	\$600	=	\$ _____
SUBTOTAL AMOUNT OF BID (Division III - Items 21-26)					\$ _____
<b><u>TOTAL BID – Division I, II, and III</u></b>					<b>\$ _____</b>

**ALTERNATES**

Voluntary Alternates proposed by the Bidder will not be considered. The Bidder shall submit a bid based on the information shown on the Drawings and Specifications.

The Owner reserves the right to award the Base Bid or the Base Bid plus any or individual Alternate or combination of Alternates, depending upon the availability of funds.

The Owner, at its sole discretion, reserves the right to award to the Bidder who, in the sole determination of the Owner, will best serve the interest of the Owner. The Owner reserves the right to accept any bid, to reject any or all bids, to waive any and all informalities involving price, time, or changes in the work, and to negotiate contract terms with the successful Bidder, and the right to disregard all nonconforming, nonresponsive, unbalanced or conditional bids. However, it is the intention of the Owner to award to the low total bid to one bidder. Also, the Owner reserves the right to reject the bid of any Bidder if the Owner believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the bid is not responsive or the Bidder is unqualified, of doubtful financial ability, or fails to meet any other pertinent standard or criteria established by the Owner.

**Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.**

Each Proposal must be accompanied by a bid deposit in the form of a certified check, cashier's check or bid bond, executed by the bidder and Surety Company, payable to the Charter Township of Bloomfield in the amount of FIVE Percent (5%) of the amount of the Proposal. See Instructions to Bidders – Bid Deposit for more information.

**TAXES**

The Bidder affirms that all applicable Federal, State and Local taxes of whatever character and description are included in all prices stated in this Form of Proposal.

**ADDENDA**

The Bidder acknowledges the following Addenda, covering revisions to the drawings or specifications and the cost, if any, of such revision has been included in the quoted proposal:

Addendum No. _____	Dated _____
Addendum No. _____	Dated _____
Addendum No. _____	Dated _____
Addendum No. _____	Dated _____

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**FEES**

The Bidder shall refer to the General Conditions for allowable Fees for additional work performed, upon Owner's written authorization, by Bidder's own forces and/or for additional work, upon Owner's written authorization, by Bidder's subcontractors.

**TIME OF COMPLETION**

If awarded the Contract for the **2023 SEWER REHABILITATION** Project, we agree to have all work substantially completed by **April 1, 2024**. Substantial Completion is defined that the facility is ready to use for its intended purpose with all utility systems fully functional.

The Bidder hereby agrees to furnish the required Bonds, Insurance Certificates, and Policies within ten (10) days after acceptance of this Proposal.

Final Completion with all clean-up and punch-list items shall be complete by **April 30, 2024**.

The execution of all work and specific constraints as described in the contract drawings and specifications, with particular reference to Special Project Requirements, must be strictly adhered to.

**LIQUIDATED DAMAGES**

Time is of the essence for completion of this project in order to have the Project ready for the **TOWNSHIP OF BLOOMFIELD**. The Bidder guarantees that the work will be completed within the time limit stated herein before or within the time as extended as provided elsewhere in the Specifications. Inasmuch as the damage and loss to the Owner which will result from the failure of the Bidder to complete the work within the stipulated time, will be most difficult or impossible to accurately determine, it is mutually agreed that the damages to the Owner for such delay and failure on the part of the Bidder shall be liquidated in the amount of **FIVE HUNDRED Dollars (\$500.00), for each and every calendar day by which the Bidder shall fail to complete the work or any part thereof within the provisions hereof, and such liquidated damages shall not be considered as a penalty.**

The Owner will deduct and retain out of any money due or to become due hereunder the amount of the liquidated damages, and in case those amounts are less than the amount of actual liquidated damages, the Bidder shall pay the difference upon demand of the Owner.

We understand that liquidated damages may be assessed should we fail to meet the stipulated completion dates. Specifically, liquidated damages will be assessed daily beginning **April 1, 2024** until such a time that Substantial Completion is achieved and further if all work is not completed by the Final Completion Date.

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**BIDS TO REMAIN FIRM**

The price stated in this Proposal shall be guaranteed for a period of not less **SIXTY (60)** days from the bid due date and if authorized to proceed within that period, the bidder agrees to complete the work covered by the Proposal at said price.

If this Proposal is accepted by the Owner and the undersigned shall fail to contract as aforesaid and to furnish the required surety bonds within fifteen (15) days after being notified of the acceptance of their bid, then the undersigned shall be considered to have abandoned the contract, and the Certified Check, Cashier's Check or Bid Bond accompanying this Proposal shall be forfeited to the **TOWNSHIP OF BLOOMFIELD.**

If the undersigned enters into the contract in accordance with their proposal, or if their proposal is not accepted, then the accompanying bid guarantee shall be returned to the undersigned.

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

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

Address: \_\_\_\_\_

County: \_\_\_\_\_ State: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

Email Address: \_\_\_\_\_

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**LEGAL STATUS OF BIDDER**

This Bid is submittal in the name of:

(Print) \_\_\_\_\_

The undersigned hereby designates below the business address to which all notices, directions or other communications may be served or mailed:

Street \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip Code \_\_\_\_\_

The undersigned hereby declares the legal status checked below:

- INDIVIDUAL
- INDIVIDUAL DOING BUSINESS UNDER AN ASSUMED NAME  
The Assumed Name of the Co-Partnership is registered in the County of \_\_\_\_\_, Michigan
- CO-PARTNERSHIP  
The Assumed Name of the Co-Partnership is registered in the County of \_\_\_\_\_, Michigan
- CORPORATION INCORPORATED UNDER THE LAWS OF THE STATE OF \_\_\_\_\_  
\_\_\_\_\_. The Corporation is
- LICENSED TO DO BUSINESS IN MICHIGAN
- NOT NOW LICENSED TO DO BUSINESS IN MICHIGAN

The name, titles, and home addresses of all persons who are officers or partners in the organization are as follows:

A corporation duly organized and doing business under the laws of the State of \_\_\_\_\_

NAME AND TITLE	HOME ADDRESS
_____	_____
_____	_____
_____	_____

Signed and Sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
By (Signature)

\_\_\_\_\_  
Printed Name of Signer

\_\_\_\_\_  
Title

**BID BOND**

We, the undersigned, \_\_\_\_\_

As Principal, hereinafter called the Principal, and \_\_\_\_\_

A corporation duly organized under the laws of the State of \_\_\_\_\_

As surety, hereinafter called the SURETY, are held and firmly bound unto:

The Owner: THE CHARTER TOWNSHIP OF BLOOMFIELD

in the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_),

For the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for \_\_\_\_\_

2023 SEWER REHABILITATION HRC JOB NO. 20220265

NOW, THEREFORE, if the OWNER shall accept the bid of the Principal and the Principal shall enter into a contract with the OWNER in accordance with the terms of such bid, and give such bond or bonds as may be specified in the CONTRACT DOCUMENTS with good and sufficient surety for the faithful performance of such contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such contract and give such bond or bonds, if the Principal shall pay to the OWNER the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the OWNER may in good faith contract with another party to perform the work covered by said bid, then the obligation of the Principal shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_

(Witness)

(Principal)

(Seal)

(Title)

(Witness)

(Surety)

(Title)

**END OF SECTION**

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**BLOOMFIELD TOWNSHIP 2023 SEWER REHABILITATION PROJECT**  
**DIVISION I - FOX HILLS**  
**ADDENDUM NO. 1**

<b>Asset ID</b>	<b>Address</b>	<b>U/S MH</b>	<b>D/S MH</b>	<b>Dia</b>	<b>Length2</b>	<b># Taps</b>	<b>Project Rehab</b>	<b>Cut/Grout Quantity</b>
N02031	1525 Opydyke Rd	N02059	N02114	8"	200	0	Cut/Grout & Line	3
N02125	657 Fox River	N02112	N02111	8"	300	5	Cut/Grout & Line	3
N02126	615 Fox River	N02113	N02112	8"	300	6	Cut/Grout & Line	1
N02138	591 Weybridge	N02029	N02079	8"	304	6	Cut/Grout & Line	1
N02141	1822 Fox River	N02032	N02031	8"	294.8	5	Cut/Grout & Line	2
N02142	1822 Fox River	N02033	N02032	8"	258	1	Cut/Grout & Line	3
N02143	1946 Fox River	N02034	N02033	8"	204.6	3	Cut/Grout & Line	2
N02059	525 Rolling Rock	N02039	N02040	8"	117	2	Line	-
N02055	627 Rolling Rock	N02101	N02102	8"	166.7	4	Line	-
N02056	615 Rolling Rock	N02102	N02037	8"	223	4	Line	-
N02057	569 Rolling Rock	N02037	N02038	8"	196.7	5	Line	-
N02058	549 Rolling Rock	N02038	N02039	8"	150	2	Line	-
N02140	465 Weybridge	N02031	N02030	8"	256.3	6	Line	1
N02162	1911 Hunters Ridge	N02021	N02023	8"	258	2	Line	-
N02181	705 Weybridge	N02077	N02076	8"	293.1	4	Line	-
S02162	620 Spinning Wheel	S02104	S02103	8"	276.2	2	Line	-
S02166	521 Spinning Wheel	S02055	S02056	8"	192.3	5	Line	1
N02102	1514 Hunters Ridge	N02146	N02004	12"	229	0	Cut/Grout & Line	1
N02132	1507 Threadneedle	N02141	N02142	10"	235.6	0	Cut/Grout & Line	1
N02028	1506 Threadneedle	N02136	N02137	10"	124	0	Line	-
N02101	Georgetown/South Blvd	N02004	N02005	12"	141	0	Cut/Grout & Line	1
N02131	1511 Old Chatham	N02142	N02145	10"	300.7	0	Line	-
N02113	515 Rolling Rock	N02051	N02052	12"	141	3	Cut/Grout & Line	1
N02115	563 Sedgefield	N02053	N02054	12"	179	3	Cut/Grout & Line	7
N02122	723 Fox River	N02108	N02109	12"	134	2	Cut/Grout & Line	3
N02129	1551 Old Chatham	N02144	N02143	12"	350	6	Cut/Grout & Line	3
N02123	723 Fox River	N02109	N02110	12"	142	1	Line	-
N02104	1514 Hunters Ridge	N02146	N02147	12"	212	unknown	Clean & Televis	n/a
N02097	1680 Hunters Ridge Dr	N02092	N02093	12"	189	unknown	Clean & Televis	n/a
N02151	756 Weybridge Dr	N02094	N02095	8"	111.6	unknown	Clean & Televis	n/a
N02065	443 Fox River Dr	N02045	N02044	12"	278	unknown	Clean & Televis	n/a
N02116	563 Sedgefield	N02103	N02054	12"	300	unknown	Clean & Televis	n/a
N02146	1903 Hunters Ridge Dr	N02088	N02074	12"	127.3	unknown	Clean & Televis	n/a
S02165	534 Spinningwheel Ln	S02053	S02054	8"	217.6	unknown	Clean & Televis	n/a