

**ADDENDUM NO. 2  
TO SPECIFICATIONS AND PLANS  
SEMINOLE HILLS WATER MAIN IMPROVEMENTS  
CITY OF PONTIAC, MICHIGAN**

ISSUED: December 15, 2023

HRC Job No. 20211066

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 with their proposals, and completing the Addenda section on Sheet P-5 of the Proposal Form.** Failure to utilize the Addendum No. 2 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.

**GENERAL**

- The Meeting Summary from the Pre-Bid meeting is included at the end of this document.

**DRAWINGS**

**Sheet F**

- The application table found at the bottom of Sheet F has been changed.

**Sheet G**

- The cross-section detail for Seminole St. Division 1 has been adjusted.
- The application table found at the bottom of Sheet G has been changed.

**Sheet H**

- The application table found at the bottom of Sheet H has been changed.

Received and Acknowledged By:

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

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

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

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

Date: \_\_\_\_\_

**PRE-BID MEETING SUMMARY  
SEMINOLE HILLS WATER MAIN REPLACEMENT PROJECT  
CITY OF PONTIAC, MICHIGAN**

Date: November 28, 2023  
Time: 10:00 AM  
Meeting Held: Conference Call

HRC Job No. 20211066

<u>Attendee Name</u>	<u>Representing</u>	<u>Phone No.</u>
Mike Walsh .....	Oakland County Water Resources Commissioner .....	248-452-2026
Rick DeVisch .....	Oakland County Water Resources Commissioner .....	248-431-1272
Craig Tiell .....	Oakland County Water Resources Commissioner .....	248-303-0930
Dave Vicini .....	Oakland County Water Resources Commissioner .....	248-343-1256
Dante Catanese .....	Verdeterre Contractors. ....	248-904-6896
Vince D'Angelo .....	D'Angelo Brothers .....	248-515-1942
Michael Mancini .....	D.V.M. Utilities, Inc. ....	586-979-0402
Ron Lawrence .....	Pamar Enterprises .....	586-749-8593
Ben Spada .....	DiPonio Contracting .....	586-997-4150
Brendan Ritchie .....	Bricco Excavating, LLC .....	248-547-6963
Paul D'Orozo .....	Bidigare Contractors .....	248-735-1113
Jordon Bidigare .....	Bidigare Contractors .....	734-476-4461
Brad Shepler .....	Hubbell, Roth & Clark, Inc. ....	248-535-3337
Jack Nagle .....	Hubbell, Roth & Clark, Inc. ....	248-535-3338
Adam Mansfield .....	Hubbell, Roth & Clark, Inc. ....	248-309-7859

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This meeting was conducted via Microsoft Teams, and attendance of the individuals named above was confirmed.

1. Introductions of the project's "Owner" and "Engineer" representatives from the Oakland County Water Resources Commissioner (OCWRC) and Hubbell, Roth & Clark, Inc (HRC).
2. Project Location
  - a. The project is located in the City of Pontiac in the Seminole Hills Subdivision, south of M-59/Huron and east of Telegraph.
3. Project Description
  - a. Installation of approximately 11,800 linear feet of new 8-inch diameter water main via Horizontal Directional Drilling (HDD) and open-cut methods and 20 linear feet of 12-inch diameter water main via open-cut method.
  - b. Abandonment of approximately 10,900 linear feet of existing water main.
  - c. Installation of 32 new gate valve and wells
  - d. Installation of 24 new fire hydrant assemblies
  - e. 27 connections to the existing water main system
  - f. 80 sanitary sewer tap repairs via open-cut method
  - g. 3,100 linear feet of 1-inch diameter, Type K, copper water service
  - h. 120 1-inch diameter water service curb stops and curb boxes
  - i. 1,300 linear feet of sewer lateral lining

**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**  
801 Broadway NW  
Suite 215  
Grand Rapids, MI 49504  
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

- j. 27,000 square yards of 2-inch depth cold milling asphalt removal
- k. 3,000 tons of hot mix asphalt
- l. 2,500 linear feet of curb and gutter removal and replacement
- m. 2,400 square yards of sidewalk removal and replacement
- n. 32,000 square yards of turf restoration
- o. The Engineer's Estimate is \$7.7 million

4. Status of Plans and Specs

- a. The advertisement for the project was initially posed to bidnetdirect.com (MITN) on Friday, November 17, 2023 (11/17/2023)
- b. Electronic copies of the plans and specs are available for viewing only (not for bidding) on bidnetdirect.com (MITN). They were also posted on 11/17/2023. There are also paper copies available at the office of the OCWRC.
- c. Plans and Specs for bidding purposes must be purchased from HRC at a cost of \$90.00 if picked up or \$115.00 if mailed.

5. Front End Important Points

- a. Important Dates
  - i. Submit all questions in writing via email only by 5 PM on Friday, December 8, 2023 (12/08/2023) to Mr. Jack Nagle at [jnagle@hrcengr.com](mailto:jnagle@hrcengr.com).
  - ii. An addendum will be issued prior to bids being received.
  - iii. Bids are due by 2 PM on Wednesday, December 20, 2023 (12/20/2023) at One Public Works Drive, Bldg. 95 West, Waterford, MI 48328.
  - iv. Hand delivery of bids is strongly encouraged but not required. If you elect to mail your bid, please mail it early to ensure it reaches the OCWRC on time.
  - v. The bid opening will follow bid delivery and will be conducted in-person at the WRC office location at the One Public Works Drive location. The bid opening will be a public bid opening.
  - vi. A pre-award meeting will be scheduled with the lowest responsive bidder following the opening of the bids.
  - vii. In order to get the addenda for bidding, you must have purchased plans from HRC. The addenda will also be posted on bidnetdirect.com (MITN)
- b. A Notice to Proceed will be issued on or near February 12, 2024 (02/12/2024).
  - i. It is anticipated that the project will be awarded in January with a Notice to Proceed being issued around February 12, 2024.
- c. The project is not subject to the sale of bonds.
- d. Bids shall be held for 120 days following the bid opening date.
- e. Substantial Completion for the project will be December 1, 2024 (12/01/2024).
  - i. Terms for Substantial Completion are described in further detail in the Supplementary Conditions and include completion of all bid items with the exception of the Punch List.
- f. Liquidated damages will be \$500 a day.
- g. The signing of the Coordination Clause acknowledging that it was read and understood is a required submittal for the bid opening.
- h. Pay special attention to the General Supplementary Conditions and items that have been struck through from the General Specifications and the Information to Bidders. The Supplementary Conditions modify the General Conditions, and items crossed out or stricken in other areas of the documents will not apply to this project. A few notable items in these documents among others are as follows:
  - i. Owner Controlled Insurance Program (OCIP) is not required.
  - ii. An escrow of Bid Documents is not required.
  - iii. WRC will conduct the construction inspection.
  - iv. HRC will conduct the construction materials testing.
  - v. WRC will conduct the water main testing (Bac-T).

A safety plan will need to be submitted before the project is started. It must contain a Covid-19 safety program.

- i. Insurance requirements were discussed. Builders Risk insurance shall be in accordance with the General Conditions and is required for the full amount of the Contractor's bid. Contractors shall base their bids on including this insurance as required.
- ii. An Owners and Contractors Protective Liability (OCP) policy is not required for the project.
- i. Item No. 19 of the Information to Bidders states, "All bidders must attend the pre-bid meeting".
  - i. This is incorrect and will be changed to "All bidders are encouraged to attend the pre-bid meeting" in the addendum.

6. Items to bid submitted with Bids

- a. A completed and signed proposal as well as the acknowledgement of all addenda.
- b. Proposal Guarantee/Bid bond that covers 5% of the bid amount.
- c. A preliminary schedule that is based on an anticipated Notice to Proceed date of February 12, 2024 (02/12/24).
- d. A completed, signed, and sealed form DC-118 Experience and Qualification Statement.
- e. A signed Vendor Certification that it is not an "Iran Linked Business".
- f. Signed acknowledgement of the Coordination Clause.
- g. Horizontal Directional Drilling Project and Personnel Experience for the company listed in Form DC-118 Experience and Qualification Statement that the Bidder intends to use for Horizontal Directional Drilling.
  - i. Refer to Section 02336, Article 1.5, Part D and E
- h. Credentials of all fusion operators for HDPE pipe
  - i. Refer to Section 02662, Article 1.4, Part C
- i. Sewer lateral lining minimum qualifications for the company listed in Form DC-118 Experience and Qualification Statement that the Bidder intends to use for Sewer Lateral Lining.
  - i. Refer to Section 02745, Article 1.7, Part E.

7. Design, Technical Specs, Pay Items, etc.

- a. Coordination Clause
  - i. The Coordination Clause is Section 00200 of the Specs.
  - ii. Permits
    - 1. Most permits will just require pickup prior to the start of the project.
    - 2. Please pay special attention to the MDOT Minimum Requirements for bidding purposes.
      - i. Includes seasonal restrictions for pavement removal between November 15<sup>th</sup> and April 15<sup>th</sup> as well as temporary earth retention system requirements.
  - iii. Contractor shall coordinate with Pontiac General Hospital when any work is being performed around the hospital, any maintaining traffic is changed, or when the service transfers are being completed off of Seminole St.
    - 1. The Hospital's emergency response entrance is off of Seminole St, so there must always be access to this entrance either from Huron to the north or from Menominee to the south.
- b. Exploratory Excavations
  - i. Items have been added to the Exploratory Excavation Special Provision mainly regarding the monitoring of utilities within 18 inches above or below the bore head. This crossing must be open and monitored as the bore head passes through.
    - 1. For record drawing purposes, it will be required to give a station, offset, and depth of the utility where it crosses the water main.
- c. Preconstruction Video
  - i. A representative from the WRC must be present when the video is being recorded for the project.
- d. Special Conditions for Winter Work
  - i. All HMA removed prior to the closure of local HMA plants shall be replaced with permanent HMA
    - 1. See Local Street Repair Detail on sheets G and H.

- ii. All HMA removed before the local HMA plants open requires the installation and maintenance of temporary pavement.
  - 1. See Temporary Pavement Detail on Sheet F.
- iii. Any snowfall accumulations of 3 inches or more must be removed from all work areas for traffic control purposes.
- e. Temporary pavement is a lump sum pay item, refer to Section 01220 – Bid Item Description for details.
  - i. This pay item includes the installation, maintenance, and removal of the temporary pavement.
  - ii. Temporary pavement shall be installed within 14 days of pavement removal.
- f. Maintenance Gravel
  - i. Maintenance gravel may only be used to maintain traffic if the local HMA plants are open.
  - ii. Once the local HMA plants close, temporary pavement must be used.
- g. Scheduling of roadway rehabilitation shall be done in 2 phases.
  - i. Only 2 of the 4 project roads are allowed to be under full construction at any given time.
    - 1. Full construction meaning the contractor is working on water main installation.
  - ii. Contractor should plan to have 2 mobilizations for paving crews: 1 for the first two roads and 1 for the remaining two roads.
  - iii. The preliminary schedule will be checked for the two mobilizations when bids are received.
- h. Temporary Water Main Plan
  - i. In order to replace the water main along Seminole Street between Orchard Lake Road and Menominee Rd, the existing water main will need to be removed. The water main work associated with this area can be found on sheets 7 and 8.
  - ii. A temporary water service will need to be installed prior to water main work.
  - iii. Temporary water main can only be installed between June 1<sup>st</sup> and August 31<sup>st</sup>.
- i. Tracer Wire
  - i. A special provision for tracer wire has been included in the specifications for the project.
  - ii. The special provision includes more defined connections points, grounding, termination details, and testing requirements.
- j. Traffic Control
  - i. Traffic control plans can be found on sheets K through Q.
  - ii. Traffic control shall be coordinated with the work that is being completed with the project. At no time shall the traffic control be set up without work being completed.
  - iii. Contractor shall coordinate lane closures to ensure that residents have access to their properties.
  - iv. Please review the traffic control for the M-59 (Huron) and Johnson intersection work. It is very complicated and congested at the intersection, so the traffic control in that area will be very important.
- k. Sewer lateral information
  - i. The WRC conducted a CCTV investigation of the laterals in the project area in an effort to get the location and depth of the sewer laterals. Some conditions were present that prevented the CCTV launch from being conducted to its full extent in some laterals.
  - ii. The information that was collected is found in the “Sewer System Improvements” sheets in the plan set. Additional information and the videos from the CCTV will be available for the contractor who is awarded the contract.
  - iii. There is no pay item in the project for CCTV of the sewer laterals prior to the start of the work, and this work is not required. However, if the contractor would like to CCTV the sewer and laterals on their own for their own information, it shall be done at their cost.
- l. Horizontal Directional Drilling (HDD) depths will be between 6'-9' unless otherwise directed or agreed to by the WRC inspector on-site.
  - i. A profile is on every water main installation sheet. When crossing utilities that are found during exploratory excavation, if the utility is 7' deep or greater, the water main will be drilled above the utility. If the utility is shallower than 7', the water main will be drilled below the utility.
  - ii. If it is decided that sewer laterals that are exposed during exploratory excavations were in already in poor

condition and are crumbling and falling apart, there are bid items in the proposal for the replacement of these laterals.

1. If the lateral is damaged by careless excavation or other contractor related activities, based on the discretion of the owner's representative, the lateral replacement will not be paid for, and the repair shall be made by the contractor at their cost.
- m. Water service line transfers shall be installed and connected by the General Contractor. The work may be subbed out by the General Contractor. (i.e. The OCWRC has not sole-sourced this work as on other contracts.)
  - i. A lead service line replacement project has been active in the project area under a WRC contract.
    1. Review the existing water service tap record tables that are found on the water main plan sheets.
    2. Existing lead lines shall not be connected to the new water main.
      - i. Any lead service lines remaining should only be on the public side and shall be replaced in full with copper.
      - ii. Access agreements will be the responsibility of the WRC.
    3. Existing copper service lines, not marked as "Replaced 2023", shall be replaced to the property line with a new stop box.
    4. Addresses with "Replaced 2023" in the comments of the "Existing Water Service Tap Record" table on each water main sheet shall be transferred from the existing water main to the new water main.
      - i. The work for these transfers shall be completed to minimize the amount of new copper tube required and overall disruption for the service transfer.
      - ii. A decision will need to be made in the field on how best to accomplish this based upon the location of the new water main and the location of the existing water main and existing tap.
- n. Water main work within the Huron and Johnson Intersection
  - i. Contractor to investigate and work with the Owner/Engineer on the assumed bottleneck that is present in the intersection.
- o. Sanitary Sewer Work
  - i. Sanitary Sewer Lateral Connection Repairs and Lateral Lining
    1. Specific sewer taps in the project area are called out to be rehabbed.
    2. There are 4 different rehab methods that will be used:
      - i. Reconnect the lateral to the existing wye
        - a. This method is employed when the wye is in good shape but something in the lateral or connection is creating a defective tap.
        - b. Details for this replacement type can be found on sheet D.
      - ii. Shave the existing wye and install a saddle around the mainline to connect the lateral to the mainline sewer.
        - a. This method is used when the wye is cracked/broken or in rough condition and must be addressed in order to maintain the condition of the mainline sewer.
        - b. Details for this replacement type can be found on sheet D.
      - iii. Remove and replace the existing wye
        - a. This method is used when the mainline portion of the wye is broken/cracked or the defect is in the mainline portion.
        - b. Details for this replacement type can be found on sheet D.
      - iv. Lining of the tap and lateral
        - a. This method is the preferred method when it can be used. This method was chosen when the defect in the tap was small and wouldn't prevent a poor lining result.
  - ii. Remove and replace the existing sanitary sewer manhole lids
    1. Line items are in the contract for the reconstruction of manholes as needed.
- p. Open cut water main installation
  - i. Intersections will be required to be closed in order to complete the installation of water main. Immediately after the completion of the installation, the intersection must be opened up to allow for 1 lane of traffic.
  - ii. Pay Item



1. Water main, DIWM CI 54, \_\_\_ inch, OC W/ Restrained Joints
  - i. This pay item is intended for the installation of ductile iron water main to complete the connections between HDPE water main sections.
  - ii. The joints and fittings within these sections shall be restrained.
- q. Active excavation in the roadway
  - i. Active excavations are defined as areas with open excavations, workers present, and requiring the roadway to be restricted to one lane.
  - ii. Barricades will be required in accordance with the WRC Standard Details, General Conditions Article 14 – Protection of Work and Property and Article 19 – Safety Protection.
  - iii. Flaggers must be present at all times during an active excavation if 2 lanes of traffic for two-way traffic cannot be maintained.
- r. Miscellaneous Easement Conditions
  - i. The WRC was able to obtain temporary easements for storage as well as some permanent easements for areas of water main work. The easements and their conditions can be found in the Specs and should be reviewed.
  - ii. Proposal bid item “Miscellaneous Easement Conditions – LSUM” includes specific requirements as described in the easements and the following:
    1. SESC measures to be installed, maintained, and removed on the easement property.
    2. Property protections fence to be installed, maintained, and removed on the easement property.
    3. Any restoration needed to restore the site to the original condition.
    4. A stone access driveway will be required.
- s. Owner supplied materials
  - i. The WRC is supplying 110 pieces of 8-inch ductile iron pipe with the standard (SBR) gaskets.
    1. Review Section 01215 for details.
- t. Hydrant Installation Detail
  - i. A concrete collar shall be installed around the riser of traffic rated model fire hydrants.
  - ii. The concrete collar shall be included in the bid unit price for “Fire Hydrant Assembly, Complete”.
  - iii. Refer to sheet C for detail.
- u. Fire Hydrant Assembly, Complete, Special
  - i. There is one hydrant that will be installed on an active water main. The pay item shall include a tapping sleeve with an MJ outlet.
- v. Water Main Abandonment
  - i. Water main abandonment shall be completed in sections and not all at once.
  - ii. Prior to any water main abandonment, the contractor shall submit a plan for water main abandonment.
    1. Volume calculations as well as how the contractor plans to monitor pressure during abandonment.
  - iii. Requirements for water main abandonment can be found in Section 02660.
- w. As-Needed Bid Items
  - i. Based on the contractor’s excavation limits, the following items may be used:
    1. Structure Adjusts
      - i. All existing storm structure chimneys shall be wrapped in accordance with the Special Provision for Structure Adjust.
      - ii. All structures require a concrete collar which shall be poured prior to final paving. See detail on sheet D.
      - iii. Structures should be adjusted during the leveling course. Adjustments should be completed before the wearing course is started.
    2. Remove and Replace Gate Valve and Box
      - i. If a gate valve and box is within the limits of excavation, the contractor shall replace the valve box. See item No. 24 of Section 01220 for details.
    3. Structure Cover
      - i. Storm covers within the limits of excavation may be replaced at the discretion of the owner. See

item No. 61 of Section 01220.

- x. CCTV Sanitary Sewer Bid Item
  - i. The contractor shall use this pay item to televise the mainline sewer after the water main work is completed to ensure that the mainline sewer is functioning properly and was not affected by the construction of the water main.
  - ii. Refer to item No. 91 of Section 01220 for details.
- y. Existing Utilities
  - i. The contractor may encounter abandoned pipes within their excavations. The removal of the abandoned pipe within the contractor's excavation to install the proposed water main shall be included in the price of the project.
- z. Milling the existing roadway
  - i. Milling the existing roadway at a depth of 2-inches is included in the bid.
  - ii. See sheet D and the road repair sheets in the plans for detail.
  - iii. A proof roll shall be conducted after the existing roadway has been milled. The proof roll shall be included in the bid unit price.
- aa. Conflict Tables
  - i. If the clearance between the proposed water main and an existing utility is less than 18 inches, the contractor shall support or bridge the proposed water main. See sheet C-1 and the WRC Standard Details for crossing details.
  - ii. The price to bridge or support the proposed water main or existing utility shall be included in the cost of the project.
- bb. Temporary "No Parking" signs
  - i. Temporary "No Parking" signs shall be installed in proposed work areas prior to work starting in said areas. See maintaining traffic plan sheets for details.
- cc. The details and specs related to this project have had changes made so it is important that they are reviewed closely.
  - i. A "Buy American" clause is included in the specs and affects certain bid items.

There were no questions asked by those in attendance.

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.



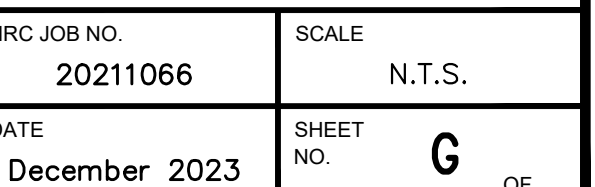
Adam Mansfield, E.I.T.  
Graduate Engineer I

pc: All present  
WRC: J. Brown; A. Ploof; Z. Earp; T. Artes  
HRC: D. Mitchell; File









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December 2023 OF