



**CITY OF NEWARK
DELAWARE**

**CITY OF NEWARK
Sanitary Sewer Improvements 2023
CONTRACT NO. 23-15**

**ADDENDUM 3
August 25, 2023**

1. Notice to Bidders

- A. This Addendum is issued to all registered plan holders pursuant to the Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Specifications, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum with their submitted proposal.
- C. **The date for receipt of bids is unchanged by this Addendum.**
- D. **The cutoff date and time for questions was Wednesday, August 23, 2023 at 5:00 p.m. Questions submitted after this date and time will not be answered.**
- E. The contract scope of work has been revised to include the manhole lining of a valve vault at the Arbour Park Water Tower site. The valve vault is 9-feet in diameter and 5-feet in depth. The valve vault is located at 307a Dove Drive, Newark DE 19713, at the top of a steep inclined driveway. The revised Scope of Work, Proposal, and Site Photos of the Arbour Park Valve Vault are attached to this addendum.

2. Responses to Questions Submitted Via Email

Question 1:	It is unlikely that the night work window (9pm-6am) for East Main Street will provide enough time to set up MOT, set up bypass, camera the line, shoot the liner, cure the bag, cut ends, and reinstate laterals. Has consideration been given to expand the work hours and/or allow MOT and bypass to be set up prior to 9pm?
Response 1:	For work on East Main Street, preparation work is permissible to begin at 7:00 p.m. Lane closures and sanitary sewer interruptions will not be permitted until 9:00 p.m. All work must be complete by 6:00 a.m. The contractor will be limited to one setup per shift.
Question 2:	What is the weight rating of the bridge on the walking trail from Hopkins Road that is needed to get heavy equipment down for installation of the temporary bridge and installation of the CIPP liner? The bridge is not shown on the plans and there doesn't appear to be a weight capacity on the bridge itself.
Response 2:	Contractor shall construct temporary bridge over the existing bridge for heavy equipment. Requirements for bridge shall be in line with the Temporary Access Bridge, as noted on the Contract Drawings. Existing wood railings shall be removed and replaced prior to completion.
Question 3:	Would the attached be an acceptable product for manhole rehabilitation?
Response 3:	Mainstay ML-72 Sprayable Microsilica Restoration Mortar and Mainstay DS-5 100% Solids Epoxy Coating may be used as long as all material properties, contractor experience, and warranties specified are met or exceeded.
Question 4:	Can a bid item for cured in place point repairs be added? There are locations where joint grouting is not possible due to pipe configurations and longitudinal cracks.
Response 4:	No, contractor shall account for sectional liners as incidental to LF CIPP Liner cost.
Question 5:	The temporary bridge detail on Sheet 17 is shown to be 40 feet long but it appears that a bridge at least 50-60 feet in length will be needed due to the width of the span. Is there another location that can be used to cross?
Response 5:	No, crossing shall occur along sanitary sewer easement. The contractor is responsible to verify dimensions shown in contract drawings prior to bid.
Question 6:	Would the owner consider extending the bid due date two weeks? There are concerns by several subcontractors about being able to prepare their quotes by the bid date. This would also help allow for additional outreach to potential MBE & WBE firms.
Response 6:	No.

Question 7:	Would the owner provide a list of all plan holders?
Response 7:	No.
Question 8:	Is there an engineer's estimate available for this project?
Response 8:	No.
Question 9:	Would the owner add a lump sum item for 'Temporary Access'? This will reduce the CIPP unit pricing and prevent concerns about CIPP footage over/underruns affecting the reimbursement of the fixed cost of access.
Response 9:	No.
Question 10:	Would the owner add a lump sum item for 'Bypass Pumping Systems'?
Response 10:	No.
Question 11:	Would the owner add a separate unit price item per each for lateral grouting?
Response 11:	No.
Question 12:	Would the owner confirm if lateral grouting is incidental to CIPP; if so, would the Owner add a separate lump sum item for Traffic Control Maintenance?
Response 12:	Lateral grouting is incidental to installation of CIPP liner LF cost, a separate lump sum item for traffic control will not be provided.
Question 13:	The specifications state that on-site work hours will be limited to 7am – 5pm. Also, traffic control on East Main St & South College Ave will require night work limited to 9pm – 6am. The CIPP cure times for the larger diameter CIPP installs will require more time than the allowable work hours. Would the owner confirm if the contractor can work extended hours assuming all efforts are made to minimize disruptions?
Response 13:	See Response 1. Additional time will not be permissible along South College Avenue.
Question 14:	Are contactors allowed to utilize water from the stream/creek?
Response 14:	See Addendum #2 Response #7: The contractor will be responsible for obtaining dewatering permits from DNREC in order to pump water from creeks and streams.
Question 15:	Does the contractor need to assume HS20 highway loading on CIPP designs for pipe segments in the grass / wooded easement?
Response 15:	Yes.
Question 16:	Is there any information on manhole depths available? If not, what depth of cover should the contractors assume for bidding purposes?
Response 16:	Supplemental manhole depth are included in a table in Attachment 4.

Question 17:	Addendum #1, Q/A #1 stated that most locations can be accommodated by 6" bypass pump. If the actual flows encountered on this project requires a larger bypass system, would this be considered a change order?
Response 17:	Change orders will be considered only if 6" bypass pump cannot maintain flow during dry weather, a minimum of 48-hours after a rain event.
Question 18:	Would the owner consider extending the time of completion by 60 days? 270 CD total.
Response 18:	No.
Question 19:	In response to Addendum #2, can the manhole downstream of MH1432 be shown on site plans?
Response 19:	A map showing the area further downstream of MH1432 can be found in Attachment 5.

3. Attachments To This Addendum

- A. Attachment 1 - Scope of Work
- B. Attachment 2 - Proposal
- C. Attachment 3 - Site Photos of Arbour Park Valve Vault
- D. Attachment 4 – Table of Manhole Depth
- E. Attachment 5 - Map of Downstream of MH1432

END OF ADDENDUM #3

CITY OF NEWARK
Delaware

CONTRACT NO. 23-15

SANITARY SEWER IMPROVEMENTS 2023

SCOPE OF WORK

1. SCOPE OF WORK

The project includes, but is not limited to, approximately 13,000 linear feet of CIPP Lining, approximately 200 vertical feet of manhole lining. The project also includes approximately 30 manhole lid replacements, construction of a temporary bridge, and construction of a bypass piping operation crossing the White Clay Creek. All work shall be performed in accordance with all Local, State, and Federal laws and regulations.

The drawings and specifications further define the scope of work. The Contractor shall furnish all required equipment, materials, and labor necessary for completion of the work described herein.

2. LOCATION

The project is spread throughout several locations within the City of Newark municipal boundary. Drawing sheets 1 and 2 of the attached plans contain a location map displaying the sanitary sewer improvement locations.

3. PERMITS, CERTIFICATIONS, LAWS, AND ORDINANCES

The Contractor shall perform the work in accordance with all local, state, and federal laws and ordinances.

The Contractor is required to have or obtain a City contractor's license and State of Delaware business license prior to starting the work. The Contractor is required to obtain any permits required for completion of the work. The fees for City of Newark permits, if applicable, will be waived.

4. COORDINATION

- A. Contractor shall coordinate construction operations with those of other contractors and entities to ensure efficient and orderly installation of each part of the Work. Contractor shall coordinate its operations with operations that depend on each other for proper installation, connection, and operation.
- B. Schedule construction operations in sequence required to obtain the best results where

installation of one part of the Work depends on installation of other components, before or after its own installation.

- C. Coordinate removal of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
- D. Coordinate with the City to detour pedestrian access to the project site.

5. SUBMITTALS

The Contractor shall submit an **electronic copy** of each submittal for review and approval by the Owner. Provide submittals in accordance with specifications. For scheduling purposes, the Contractor shall allow for a ten (10) business day review time by the Owner. Comments and Approvals will be returned in a digital format. The Contractor shall provide, at minimum, all submittals identified in the specifications. Each shop drawing shall contain only one work item and shall be consecutively numbered before submission. Additional submittals may be requested at the discretion of the Owner.

6. RESTORATION

The Contractor is responsible to restore all disturbed areas to original or better condition and remove all debris, residuals, trash, and excess materials from the sites.

7. SECURITY AND SITE ACCESS

The Contractor is responsible for security of his equipment and materials related to the work. The Contractor is responsible for maintaining the work site in a safe and orderly manner. Contractor is required to maintain a secure perimeter around each work area. Pedestrian walkways shall be always open except when they must be closed for construction purposes.

- A. Driveways, Walkways and Entrances: Keep driveways and entrances clear and accessible at all times. Do not use these areas for parking or storage of materials
- B. Schedule deliveries to minimize use of driveways and entrances by construction operations.
- C. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

Prior to mobilization, the Contractor shall take a pre-construction video or photographs of any such areas to be used for access, staging, or work during the project and submit to the Owner. Video or photographs shall be used to document any existing damage or deteriorated conditions.

It shall be the responsibility of the Contractor to obtain permission from any neighboring property owner if said Contractor finds it necessary to enter upon or use in any manner the property of any neighbor for the expedition of the Contractor's work.

8. WORK RESTRICTIONS

- A. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work at the site to normal business working hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, unless otherwise indicated or approved by City of Newark.
- C. Any and all work within a DelDOT right-of-way shall be in accordance with DelDOT work restrictions and traffic control requirements which may require nighttime work activity inside the right-of-way when impacting the travel lanes.
- D. Weekend Hours: Weekend hours must be approved by the City. Contractor must submit request to work on weekends at least five (5) business days in advance of the projected work date.
- E. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
 - 1. Notify Owner not less than five (5) days in advance of proposed utility interruptions.
 - 2. Obtain Owner's written permission before proceeding with utility interruptions.
- F. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption with Owner.
 - 1. Notify Owner not less than two (2) days in advance of proposed disruptive operations.
 - 2. Obtain Owner's written permission before proceeding with disruptive operations.
- G. Controlled Substances: Use of tobacco products and other controlled substances on Project sites is not permitted. See Office of Management and Budget – Drug Testing Requirements for further information regarding controlled substances.
- H. Contractor shall have contaminant spill response equipment readily available on-site during construction activity.

9. SITE CONSTRUCTION AND EXISTING UTILITIES

- A. The Contractor is responsible to account for and consider existing site conditions and existing utilities. Prior to starting any work, the Contractor shall contact Miss Utility of Delmarva at 1-800-282-8555 or 811 for a utility mark out. The Contractor is responsible for locating and protecting existing utilities for the duration of the work.

- B. The failure to show on the contract drawings any existing utilities shall not relieve the contractor of his responsibility in determining the locations of utilities.
- C. Any damage done to existing utility lines, services, poles, and structures shall be repaired or replaced by the Contractor at his own expense. The Contractor shall notify all possible owners of utilities in the areas where work is to be done and the schedule and extent of such work.

10. EXAMINATION OF SITE, DRAWINGS, ETC.

Before submitting proposals, bidders shall inform themselves fully of the nature of the work by a personal examination of the site and the drawings and by such other means as they may prefer or consider necessary, as to matters, conditions and considerations bearing on or in any way affecting the preparation of their proposals and the contract. They shall not, at any time after submission of the proposal, dispute the accuracy of such drawings or the specifications and the general conditions nor assert that there is any misunderstanding in regard to the location, extent or nature of the work to be performed.

11. STARTING DATE, SEQUENCE OF CONSTRUCTION & COMPLETION DEADLINE

The starting date of this contract will be as specified by the City in a written "Notice to Proceed." A preconstruction meeting shall be scheduled to finalize the sequence of construction. The final decision as to sequence of construction shall be that of the Owner.

12. SUPERVISION OF WORK AND COORDINATION

The Contractor shall supervise the work and shall secure full cooperation of all subcontractors, if any, to complete the work with a minimum interference from the operating personnel of the Owner.

13. COORDINATION WITH THE OWNER

The Contractor shall coordinate all activities with the City including, but not limited to, traffic control, requests for pedestrian trail closures, system shutdowns, and inspections. The Contractor shall provide the City with reasonable time to respond to requests for information and for coordination.

14. INSPECTION OF MATERIAL AND WORK

- A. Workmanship shall be of good quality and all work and material shall be at all times subject to the inspection of the City of Newark or their duly authorized representatives. The Contractor shall provide reasonable and necessary facilities for such inspection. If required by the City, the Contractor shall take down or uncover portions of the finished work.

- B. The Contractor agrees that in the event that any of the material or work, or both, shall be rejected as defective or unsuitable by the City, the material shall be replaced, and the work shall be done again immediately to the satisfaction and approval of the City at the cost and expense of the Contractor.
- C. Any omission or failure on the part of the City of Newark or its inspectors to disapprove or reject any defective work or materials shall not be construed to be acceptance of any defective work or material.
- D. Contractor and City Inspector must agree on additional work required outside of the contract documents. A daily time and material log for all additional work shall be supplied by the Contractor and signed by the City Inspector.

15. PROTECTION TO PUBLIC AND PROPERTY

- A. The Contractor shall insure protective measures to the general public and to occupants of property along and adjacent to the work area.
- B. The Contractor is responsible for any and all damage or injury of any kind which directly or indirectly may be done to any property or sustained by any persons during the execution of the work.
- C. If any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect or misconduct in the execution of the work, the contractor shall restore at his own expense such property to a condition similar or equal to that existing before such damage or injury was done by repairing, rebuilding or otherwise restoring as may be directed, or he shall make good such damage or injury in an acceptable manner.

16. SAFETY PRECAUTIONS

- A. The Contractor shall execute work under this contract with the utmost concern for the safety of the general public. All areas worked upon and subject to travel by the public shall be identified with the proper warning indicators and signs during the working period. Upon completion of the contract or when such areas are reopened to public travel, they shall be rendered in a safe condition using either temporary or permanent repair material as the case may be. No private driveway shall be blocked or closed without the property owner being notified and obtaining their agreement.
- B. Streets, roads, and driveways used by the Contractor for access to and from the work site shall be protected from damage in excess of that caused by the normal traffic of vehicles used for or in connection with construction work. Any such damage done shall be repaired immediately and left in good condition at the end of the construction period and shall be

repaired at the Contractor's expense.

17. RIGHT-OF-WAY

All operations shall be confined to the assigned work area. The City will provide no right-of-way over other properties. The Contractor shall take every precaution to minimize the inconvenience to the owners or tenants of adjacent property. Public roads shall not be obstructed in such a way as to cut off traffic. The Contractor shall, at his own expense, repair any damage or injury to either public or private property during the progress of the work.

18. TRAFFIC CONTROL AND ROAD SIGNS

- A. The Contractor shall be responsible for traffic control for the duration of the project, as needed, and shall coordinate traffic control plans and obtain necessary permits from the Owner for work on city-owned roads. The Contractor shall be responsible for removal and re-installation of all signs in the work area. Signs necessary for the safe movement of traffic shall be maintained in operation during construction. Any other signs shall be properly stored by the Contractor, who shall be responsible for them. All signage shall comply with the current Manual on Uniform Traffic Control Devices (MUTCD).
- B. The Contractor shall provide notice to the City seven (7) calendar days in advance of any planned road or entrance closure. All closures shall be at the discretion of the City.

19. EXCAVATED MATERIAL

It shall be the responsibility of the Contractor to dispose of all excavated material which, in the opinion of the City, is unsatisfactory for backfill or fill. The cost of this disposal shall be borne by the Contractor.

20. DUST CONTROL/EROSION AND SEDIMENT CONTROL

It shall be the responsibility of the Contractor to handle dust control on this project and necessary erosion and sediment controls required by the City and State, including, but not limited to, compost filter socks. The City Inspector shall make the final determination on necessary measures.

21. WATER SUPPLY

The Contractor shall not use City fire hydrants without permission and advance notice. The Contractor shall schedule and perform work in a manner that minimizes disruption of water service to City of Newark customers. The Contractor shall not operate any water valves unless permission in writing is granted by the City.

22. JOB SITE MAINTENANCE, RESTORATION AND CLEANUP

The Contractor is responsible to restore all disturbed areas to original or better condition and remove all debris, residuals, trash, and excess materials from the site. The Contractor is required to keep the work area clean during construction and remove trash as it accumulates. Roads shall be kept clean and free of mud, debris, and dirt. At the direction of the City Inspector, the Contractor is responsible for the cost of street sweeping and maintenance required for upkeep of clean road surfaces.

23. PROJECT MEETINGS

Progress meetings shall be scheduled and held monthly during construction and shall be facilitated by the City or the City's representative.

24. DRAWINGS

Project Drawings are included as Attachment 1.

25. BID ITEMS

Bidders must provide prices on the Proposal form including all adjustment bid items. The Owner reserves the right to delete from the Contract one or more items listed and the right to add or subtract from the quantity of each item. The total price to be paid will be adjusted in accordance with the Contractor's unit prices as required below. There will be no extra compensation or increase in unit prices in the Proposal if such additions and/or deletions are made to quantities.

26. BASIS OF PAYMENT

Payment for these items shall be included in the unit prices for each item as described in the Proposal. All other items, methods, and materials necessary to complete the work as described below shall be incidental to the bid item the work is being completed under.

Application and Certification for Payment shall be made on proper AIA Documents.

27. METHOD OF MEASUREMENT AND INCIDENTALS DETERMINATION

Payment for the material furnished and work done under this contract will be made as stipulated herein for the amount of materials supplied and work done under authorization of the City and in accordance with actual measurements; and the Contractor shall not be entitled to receive additional compensation for anything else furnished or done, except for such extra work as shall be required by a written change order issued and approved by the City.

It is intended that all work shown on the contract drawings and included in the specifications is to be paid for under the items listed in the proposal form. The absence

from the proposal form of bid items specifically described in the Standard Specifications or shown on the drawings shall be interpreted as meaning that the cost of such work contemplated by the contract documents shall be included in the prices bid for related items for which quantities have been established.

All work shall be paid based on the methods of Measurement and Payment Provisions in the Standard Specifications except as otherwise noted herein.

The item numbers referenced in this contract relate to the Construction Details outlined in the Standard Specifications.

The Contractor shall prepare a monthly Application and Certification for Payment of the total amount of work completed on the contract. For the purpose of arriving at a basis for monthly payment, the Contractor shall submit an invoice for work performed during the preceding month, with a breakdown of the work performed and the unit prices for the various items included in the proposal.

In accordance with Title 29, Section 6962 of the Delaware Code, the City shall retain five percent (5%) of the funds to be paid to the Contractor during the contract until completion and final acceptance of all work by the City.

Unless otherwise specifically specified herein, the measurement of payment shall be for the installation of the materials listed in the proposal in accordance with the unit described as Each (EA), Linear Foot (LF), Vertical Foot (VF), Square Yard (SY), Ton (TN), Lump Sum (LS), etc. All incidental work and costs associated with the Bid Item shall be included in the Contractor's unit price for each bid item.

Bid Item Descriptions:

- A. Bid Items 1-1, 2-1, 3-1, 4-1 and 6-1 - Cured-In-Place Pipe (CIPP) Liner, 8-inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of sanitary sewer pipe prior to lining, bypassing of sewer flows (pump and haul where applicable), installation of CIPP liner, maintenance of traffic, access improvements, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per linear foot (LF) of 8-inch diameter CIPP liner installed. Refer to the Specification for Pipe Rehabilitation by Cured-In-Place Method (CIPP) for additional items incidental to this per linear foot cost.
- B. Bid Items 2-2 and 5-1 - Cured-In-Place Pipe (CIPP) Liner, 10-inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of sanitary sewer pipe prior to lining, bypassing of sewer flows, installation of CIPP liner, maintenance of traffic, access improvements, on-road and off-road restoration, erosion and sediment control

measures, and any other incidental costs required to complete all scope of work items. This item is measured per linear foot (LF) of 10-inch diameter CIPP liner installed. Refer to the Specification for Pipe Rehabilitation by Cured-In-Place Method (CIPP) for additional items incidental to this per linear foot cost.

- C. Bid Items 4-2 and 5-2 - Cured-In-Place Pipe (CIPP) Liner, 18-inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of sanitary sewer pipe prior to lining, bypassing of sewer flows, installation of CIPP liner, maintenance of traffic, access improvements, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per linear foot (LF) of 18-inch diameter CIPP liner installed. Refer to the Specification for Pipe Rehabilitation by Cured-In-Place Method (CIPP) for additional items incidental to this per linear foot cost.
- D. Bid Item 1-2 - Cured-In-Place Pipe (CIPP) Liner, 24-inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of sanitary sewer pipe prior to lining, bypassing of sewer flows, installation of CIPP liner, maintenance of traffic, access improvements, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per linear foot (LF) of 24-inch diameter CIPP liner installed. Refer to the Specification for Pipe Rehabilitation by Cured-In-Place Method (CIPP) for additional items incidental to this per linear foot cost.
- E. Bid Item 1-3 - Cured-In-Place Pipe (CIPP) Liner, 36-inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of sanitary sewer pipe prior to lining, bypassing of sewer flows, installation of CIPP liner, maintenance of traffic, access improvements, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per linear foot (LF) of 36-inch diameter CIPP liner installed. Refer to the Specification for Pipe Rehabilitation by Cured-In-Place Method (CIPP) for additional items incidental to this per linear foot cost.
- F. Bid Items 1-4, 2-4, 3-3, 4-5, 5-4, and 6-4 – Hinged Lid Replacement: This bid items includes, but is not limited to, excavation, saw cutting, removal of existing frame and cover, installation of hinged lid frame and cover, backfill, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per each (EA) lid replacement. Refer to the Specification for Installation of Sanitary Sewer Mains and Manholes for additional items incidental to this per each cost.

- G. Bid Item 3-4 – Standard Lid Replacement: This bid items includes, but is not limited to, excavation, saw cutting, removal of existing frame and cover, installation of standard lid frame and cover, backfill, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per each (EA) lid replacement. Refer to the Specification for Installation of Sanitary Sewer Mains and Manholes for additional items incidental to this per each cost.
- H. Bid Items 2-3, 3-2, and 4-3 - Lateral Connection Reinstatement: This bid item includes, but is not limited to, all measures required to reinstate sanitary sewer laterals following CIPP liner installation. This item is measured per lateral reinstated. Refer to the Specification for Pipe Rehabilitation by Cured-In-Place Method (CIPP) for additional items incidental to this per linear foot cost.
- I. Bid Items 4-4, 5-3, and 6-3 – Manhole Lining, 48-Inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of sanitary sewer manhole prior to lining, grouting, bypassing of sewer flows, installation of liner on all components of the structure (chimney, cone, wall, bench, invert), maintenance of traffic, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured per vertical foot (VF) of 48-inch diameter manhole liner installed. Refer to the Specification for Manhole Rehabilitation for additional items incidental to this per vertical foot cost.
- J. Bid Item 4-6 – White Clay Creek Bypass: This bid items includes, but is not limited to, clearing and grubbing, access improvements, equipment, materials, bypass piping, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured as lump sum (LS).
- K. Bid Item 5-5 – Temporary Access Bridge: This bid items includes, but is not limited to, clearing and grubbing, access improvements, equipment, materials, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured as lump sum (LS).
- L. Bid Item 6-2 – Point Repair, Open Cut: This bid items includes, but is not limited to, the lump sum cost for mobilization and demobilization, excavation, removal and installation of sanitary sewer pipe, manhole installation, maintenance of traffic, on-road and off-road restoration, erosion and sediment control measures, and any other measures required to complete all scope of work items. Refer to the Specification for Installation of Sanitary Sewer Mains and Manholes for additional items incidental to this per each cost.
- M. Bid Item 7-1 – Pipe Grouting Prior to Lining: This bid item includes, but is not limited to, all measures required to apply grout and seal infiltration at defect locations and joints as

necessary prior to installing CIPP liner. This item is measured per joint or defect grouted. Refer to the Specification for Sanitary Sewer Pipe Joint and Service Connection Testing and Grouting for additional items incidental to this cost.

- N. Bid Item 7-2 – Removing Protruding Lateral: This bid item includes, but is not limited to, removing all lateral protruding into the waterway that may inhibit the successful installation of CIPP liner. This item is measured per lateral intrusion removed.
- O. Bid Items 7-3 – Manhole Lining, 108-Inch Diameter: This bid item includes, but is not limited to, mobilization and demobilization, cleaning, pre-lining and post lining CCTV inspection, and preparation of manhole prior to lining, masking off existing equipment, grouting, installation of liner on all components of the structure (underside of top slab, wall, floor), maintenance of traffic, on-road and off-road restoration, erosion and sediment control measures, and any other incidental costs required to complete all scope of work items. This item is measured as lump sum (LS).

28. AVAILABLE BACKGROUND INFORMATION

Maps, photographs, closed circuit television (CCTV) inspection videos, and other documents provided herein form a part of this Bid Specification to the extent referenced and provide detailed information about the Project Location, and existing conditions of the site(s). The documentation is provided for informational purposes only and for the sole use of the Contractor. The City makes no claims as to the correctness or accuracy of the data provided therein. The Contractor shall review and determine for themselves the correctness and accuracy of the information before incorporating and relying on the prior work as part of their work product to the City.

CITY OF NEWARK

Delaware

CONTRACT NO. 23-15

SANITARY SEWER IMPROVEMENTS 2023

PROPOSAL

To: The Mayor and City Council
Newark, Delaware

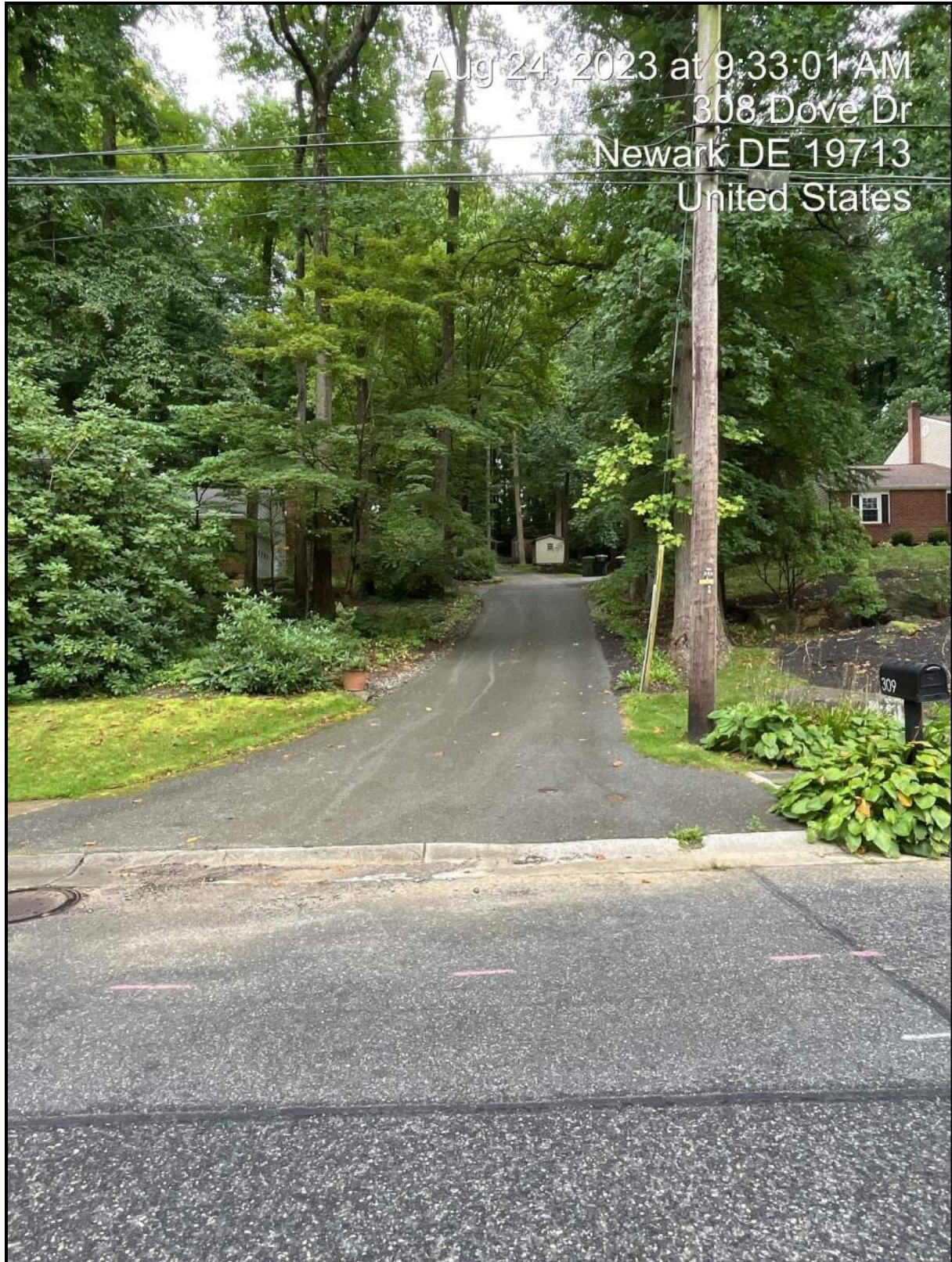
From: _____

The undersigned as a lawfully authorized agent for the below named bidder has carefully examined the Bid Documents to be known as Contract No. 23-15 and binds himself on award to him by the Mayor and City Council of Newark, Delaware to execute in accordance with such award, a contract of which this Proposal and said General Provisions and Specifications and any Addenda shall be a part, and to furnish the goods as specified F.O.B. Newark, Delaware in a manner that is in complete accordance with said General Provisions and Specifications at the following named unit price on or before the delivery period stated below:

Bid Item	Item Description	Unit	Bid Quantity	Unit Price	Item Total
AREA 1: MACDUFF COURT					
1-1	CIPP Liner, 8"	LF	199		
1-2	CIPP Liner, 24"	LF	399		
1-3	CIPP Liner, 36"	LF	166		
1-4	Hinged Lid Replacement	EA	4		
AREA 2: COLLEGE AVE					
2-1	CIPP Liner, 8"	LF	698		
2-2	CIPP Liner, 10"	LF	489		
2-3	Lateral Connection Reinstatement	EA	8		
2-4	Hinged Lid Replacement	EA	7		
AREA 3: BELLEVUE ROAD					
3-1	CIPP Liner, 8"	LF	763		
3-2	Lateral Connection Reinstatement	EA	3		
3-3	Hinged Lid Replacement	EA	1		
3-4	Standard Lid Replacement	EA	1		

Bid Item	Item Description	Unit	Bid Quantity	Unit Price	Item Total
AREA 4: EAST MAIN STREET & MCKEES LANE					
4-1	CIPP Liner, 8"	LF	375		
4-2	CIPP Liner, 18"	LF	3035		
4-3	Lateral Connection Reinstatement	EA	34		
4-4	Manhole Lining	VF	9		
4-5	Hinged Lid Replacement	EA	2		
4-6	White Clay Creek Bypass	LS	1		
AREA 5: CREEK ROAD					
5-1	CIPP Liner, 10"	LF	899		
5-2	CIPP Liner, 18"	LF	4177		
5-3	Manhole Lining	VF	114		
5-4	Hinged Lid Replacement	EA	14		
5-5	Temporary Access Bridge	LS	1		
AREA 6: FREMONT TRAIL					
6-1	CIPP Liner, 8"	LF	1839		
6-2	Point Repair, Open Cut	EA	1		
6-3	Manhole Lining	VF	84		
6-4	Hinged Lid Replacement	EA	7		
CONTINGENT ITEMS					
7-1	Grouting	EA	20		
7-2	Remove Protruding Lateral	EA	10		
7-3	Manhole Lining – Arbour Park	LS	1		
TOTAL FOR BID ITEMS 1-1 THROUGH 7-3:					

Attachment 3 – Site Photos of Arbour Park Valve Vault



Arbour Park Valve Vault: Looking from Dove Drive to Vault Site



Arbour Park Valve Vault: Looking from Driveway to Vault Site

Attachment 3 – Site Photos of Arbour Park Valve Vault



Arbour Park Valve Vault: Exterior View of Valve Vault

Attachment 3 – Site Photos of Arbour Park Valve Vault



Arbour Park Valve Vault: Interior View of Valve Vault

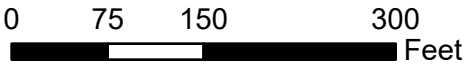
Manhole ID	Depth (ft)
Area 1: MacDuff Court	
MH01430	9.0
MH01401	13.2
MH01431	15.2
MH01432	15.2
Area 2: College Ave	
MH02163	10.8
MH02233	11.5
MH02234	11.8
MH02235	10.9
MH02236	11.5
MH02237	17.2
Area 3: Bellevue Road	
MH02219	6.8
MH02220	8.6
MH02221	6.2
MH02248	11.9
MH02249	10.2
Area 4, 5, 6: East Main Street & McKees Lane	
MH00891	11.9
MH00890	9.3
MH00896	9.4
MH00898	8.2
MH00880	8.2
MH00881	6.5
MH00882	8.8
MH00883	9.6
MH01318	12.2
MH01317	12.8
MH01316	14.8
MH01315	17.8
MH01313	20.9
MH01311	21.6
MH01312	22.0
MH01297	19.0
MH01298	17.8
MH01301	16.0
MH01242	13.9
MH01236	10.0
MH01237	10.0
Area 7, 8, 9: Creek Road	
MH02641	10.6
MH02640	9.8
MH02973	10.0
MH02638	8.7
MH02637	7.5

MH02636	7.1
MH00196	9.3
MH00197	8.7
MH00198	6.7
MH00520	8.0
MH00515	9.0
MH00514	7.7
MH00513	6.5
MH00512	4.1
Area 10, 11: Fremont Trail	
MH00511	15.5
MH00494	5.7
MH00494	5.9
MH00492	8.0
MH00491	8.9
MH00490	12.7
MH00489	8.3
MH00488	12.1
MH00487	7.1



MH1432 ALTERNATE
ACCESS

- Sewer Manhole
- - - Sewer Gravity Main
- Stream
- ▭ Parcel
- 2023 Sewer CIPP Lining



1 inch = 150 feet

