

Greater New Haven Water Pollution Control Authority
Request for Proposals
Sanitary Sewer Collection System On-Call Repairs
Project No. SSR 2026-01
April 15, 2026

1. INTRODUCTION

The Greater New Haven Water Pollution Control Authority (Authority) is requesting proposals for on-call Sewer Emergency and Routine Repair Services. The Authority will select highly qualified Contractors who can provide a quick response, quality repairs, and a high level of customer service performance in all work efforts. The Contractor will be expected to work with the Authority's staff in a safe and professional manner. The services are to be provided on an as needed and request basis.

All repair services work and materials shall comply with the requirements of the Greater New Haven Water Pollution Control Authority Standard Specifications dated September 2017 – General Provisions and Technical Specifications. The Standard Specifications are hereby made a part of the Request for Proposals (RFP) and the Contract Documents.

It is the Authority's intention to identify a short list of qualified Contractors who are interested in performing such work and to establish in advance the rate of compensation for such services. Contractor(s) selected to do business with the Authority will be required to execute the standard Contract for Construction Services with the Authority (a sample contract is included in the Standard Specifications).

Contractors placed on the short list will not be ranked in any particular order. The Authority will select Contractors as necessary to meet the needs of the Authority and to provide the best value for its rate payers.

By seeking proposals from Contractors, the Authority does not imply that it will utilize the Contractor's services for any guaranteed number of times over the course of the Contract.

The Authority shall retain the right to remove any Contractor from the short list if Contractor fails to perform satisfactorily under the Contract. Failure will include but is not limited to: not performing work in accordance with the Standard Specifications within the demands and time constraints established by the Authority for a repair service assigned to said Contractor.

2. BACKGROUND

The Greater New Haven Water Pollution Control Authority (Authority) manages, operates and maintains the wastewater treatment and collection system that serves the City of New Haven, and the Towns of East Haven, Hamden and Woodbridge.

The sewer system consists of approximately 555 miles of piping, ranging in size from 8 inches to 60 inches in diameter. The pipe materials range from 1860s vintage brick to clay, ACP, DIP, PVC and others. Depths of pipe range from a few feet to over 20 feet deep.

The Authority also conducts repairs to sewer laterals within the right of way and its connection to the sewer main for all of its customers. Sanitary sewer lateral pipes range in size from 3 inches to 12 inches in diameter. The Authority provides sewer services to approximately 48,000 sewer customers.

3. SCOPE OF WORK

- A. The scope of work consists of both routine and emergency repair services, as needed. Sewer repair work may include:
- Sanitary sewer main repairs
 - Sanitary sewer lateral repairs
 - Installing new service laterals or cleanouts
 - Abandoning existing service laterals
 - Replacing and installing manholes and other structures
 - Rehabilitation of sewer pipes, sewer manholes and other sewer structures
 - Additional work necessary for completion of repairs such as dewatering, bypass pumping and other associated work
 - Restoring properties and landscapes damaged during the course of sewer repair activities
 - Bituminous concrete trench repair per GNHWPCA Standards
- B. Routine repair activities occur during regular business hours (7:00am-4:00pm). The Authority's representative will meet with the Contractor and agree on the initial Order on Contract scope, schedule and work limits.
- C. Emergency repair services can occur 24/7 including weekends and holidays. The Authority's staff will expect Contractors to be available immediately via phone and to appear on the project site within a two-hour period of being notified. The Authority's Construction Administrator will meet with the Contractor and agree on the repair scope and work limits. The Contractor is expected to supply sufficient manpower and equipment to provide services in a timely and professional manner.

- D. Services are to include provision of all labor, equipment, tools, and materials necessary to complete the work. All work shall be inspected and approved by GNHWPCA inspectors prior to backfilling.

4. RFP GENERAL INSTRUCTIONS:

A. Submission:

Proposers shall submit five (5) sealed copies of their Company's Proposal in 8-1/2" x 11" format to the Office of the Director of Finance and Administration of the Greater New Haven Water Pollution Control Authority located at 260 East Street, New Haven, Connecticut 06511. Proposals will be received until **Friday, May 15, 2026 at 10:00 a.m.** Proposals shall include all required information and a fully completed Fee Proposal Form. Copies shall be mailed or hand delivered clearly marked "SSR 2026-01 RFP - Sanitary Sewer Collection System On-Call Repairs".

B. Questions:

Written questions pertaining to all issues associated with this RFP shall be directed in writing via E- mail by Monday, May 11, 2026 at 12:00 p.m. (Deadline for Submission of Questions) to the Authority's Engineering Department at Engineering@gnhwPCA.com.

If any person contemplating submission of a proposal finds discrepancies in or omissions to or is in doubt as to the meaning of any part of the RFP Documents, he/she shall request an interpretation thereof prior to the Deadline for Submission of Questions. Any interpretations or corrections released by Addendum shall be binding. Addenda to this RFP, if any, including written answers to questions received prior to the Deadline for Submission of Questions, will be provided directly to the Proposer's e-mail address on file at the Authority's Engineering Department. Each Contractor shall ascertain prior to submitting their Proposal that he/she has received all Addenda issued.

C. Submittal Requirements:

Contractor shall include the following items in the Company's Proposal:

1) Qualifications:

On company letterhead state the full name and address of your organization and, if applicable, the branch office or other subordinate element that will perform, or assist in performing, the work. Briefly describe the history of the firm and the types of services provided. Identify areas of technical and skilled trade expertise which make the firm qualified for this work. Provide contact information.

Contractor shall describe, using Appendix B, any pending litigation the company is involved in, if any. Also describe any litigation the company was involved in during the previous three years.

All bidders must hold a current State of Connecticut DAS prequalification certificate for sewer and water lines as required by DAS Contractor prequalification program and shall submit a current certificate and DAS Contractor prequalification update statement at the time of bid.

2) Employees:

Identify the individuals or classes of employees that will be employed in the work. Show where these personnel will be physically located during the time they are engaged in the work. Indicate which of these individuals you consider key to the successful completion of the type of work anticipated. Provide all contact information including cell phone numbers and emails.

Resumes or qualifications (maximum of one page per individual) may be submitted in this section. Qualifications and capabilities of any sub-consultants must also be included.

3) Proposed Work Plan:

Provide a written summary of your general approach to responding to Authority requests for work. As part of this section of the proposal, Contractor should identify the person that the Authority should contact first in case of an emergency repair. For routine repairs, Contractor should estimate the amount of time needed to visit a proposed work site after being notified by the Authority, and the time needed to mobilize and begin work.

4) Relevant Experience:

Provide the details of the Contractor's last five relevant projects and past performance of the Contractor and its team members on comparable work. This item should cover, at a minimum, the substantive nature of comparable projects, when they were performed, the team members assigned, equipment used and the total contracted cost. Contractors are required to give sufficient information of their experiences to permit the Authority to understand and verify the exact nature of the contributions made by the Contractor to the projects listed.

5) On-Call Rate Proposal:

In addition to the qualification proposal as discussed above, the Contractor shall complete the On-Call Rate Proposal provided on Appendix A.

The On-Call Rate Proposal includes rate schedules for the following items: labor rates for all personnel proposed to work on this project including, but not limited to, foreman, laborers and equipment operators; labor pricing shall include any state and federal tax and employee salaries, benefits, and overhead; daily, weekly and monthly equipment fees for all major equipment owned by the Contractor available for use on Authority project tasks. Contractor overhead and profit shall be included

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in the labor and equipment rates provided.

Rate proposal will also include a unit price for Item 714 - Temporary Sheet Piling per square foot. Other trench shoring protection systems like trench boxes and slide rail systems will be paid at the appropriate rental rate. Contractor shall submit rental rates to the Construction Administrator for review and approval.

Rates shall be effective for two (2) years from the contract execution date. Extensions beyond two (2) years may occur upon mutual agreement.

The Contractor will be contractually obligated to use the rates included in their proposal to generate the invoices for each individual task solicited by the Authority under this Contract. Invoices will be structured with hourly or weekly estimates of equipment usage and labor (whichever is appropriate for the duration of the task) and a list of materials and associated pricing. The Contractor shall be entitled to a 15% markup on material costs per GNHWPCA Standard Specifications. Back-up documentation for material costs shall be provided with all proposals.

The Contractor shall provide the required bonds included in the Contract Documents for a value of \$50,000 for the duration of the Contract. If the value of work at any time exceeds \$50,000, the Contractor shall adjust the bonding amount appropriately.

If there are any other fees that the Contractor anticipates that would be included in work tasks created under this Contract, they should be included in the rate schedules submitted with their proposal.

Specialized Trenchless Repairs: Contractors specializing exclusively in trenchless repair technologies (e.g., Cured-In-Place Pipe (CIPP) lining, manhole rehabilitation, lateral CIPP lining, or localized liner point repairs) are not required to complete the Rate Schedules intended for excavation services. Instead, compensation for trenchless work shall be determined on a per-repair basis via individual project quotes. All such quotes will be subject to a rigorous review by the Authority for accuracy, market fairness, and alignment with industry standards prior to the issuance of a Order on Contract.

D. Selection Criteria:

The proposals will be accepted or rejected according to the following selection criteria:

- 1) Professional Qualifications, Team and Experience
- 2) Project Approach as Demonstrated by Proposed Work Plan
- 3) On-Call Rate Proposal

The Authority may request additional information and/or elect to interview Contractors during the selection process. Multiple Contractors may be selected for this on-call Contract based on the Authority's anticipated workload.

E. Reservation of Rights:

By submitting a proposal, the Contractor authorizes the Authority to undertake such investigation as may be necessary to verify the Contractor's qualifications and reputation. The Contractor may be requested to execute a release(s) in favor of third parties who have information relative to the Contractor's qualifications and reputation. Refusal to execute a release may result in disqualification.

The Greater New Haven Water Pollution Control Authority reserves the right to reject any or all Proposals, to waive technical or legal deficiencies, and to negotiate or accept any proposal that it may deem to be in the best interest of the Authority.

The proposal will become part of the Contract between the Authority and the successful Contractor.

5. EXECUTION OF WORK:

All work, labor, and materials shall comply with the applicable sections of the Authority's Standard Specifications. All necessary federal, state, and local permits and licenses required for the safe completion of the work shall be obtained and kept available at the work site for inspection.

Equipment offered and utilized must be in good mechanical condition and not require excessive maintenance, repair, or create excessive down time that jeopardizes the Contractor's ability to complete the work.

The Contractor shall work continuously, until the site has been secured and the flow of sanitary sewage is restored and approved by the Engineer.

If required due to specific site conditions other items of work may become necessary. The Authority will utilize General Provision Section 109-04, Extra and Force Account Work for the additional items of work or materials to be incorporated into the Order on Contract.

- A. Incidental Work: Incidental work items for which separate payment is not measured includes, but is not limited to, the following items:
- (a) Mobilization/Demobilization;
 - (b) Permitting;
 - (c) Connecticut Department of Transportation (CTDOT) Permit Bonds;
 - (d) Maintenance and Protection of Traffic (MPT) Plan preparation, signs, barricades, etc.;
 - (e) General clean up;

- (f) Restoration of property;
- (g) Temporary pavement – Contractor is responsible for 60 days after completion of the sewer repair;
- (h) Cooperation with other contractors, abutters and utilities;
- (i) Clearing, grubbing and stripping;
- (j) Accessories, fasteners and/or components required to make items complete and functional
- (k) Final clean-up: The Contractor shall remove from the site all machinery, equipment, surplus materials, rubbish, temporary buildings, barricades and signs. All parts of the Work shall be left in a neat and presentable condition. On all areas used or occupied by the contractor, regardless of the contract limits, the Contractor shall clean-up all sites and storage grounds.

B. Trafficperson: The cost associated with Item 970 - Trafficperson is a pass-through cost without markup or any additional fees.

C. Parking Meter Bags: The cost of parking meter bags is a pass-through cost without markup or any additional fees.

6. MODIFICATION OF GENERAL PROVISIONS – SECTION §107-06 INSURANCE

Section §107-06.6 Umbrella Excess Liability Insurance is modified as follows:

6. UMBRELLA EXCESS LIABILITY INSURANCE: This policy is on a follow form basis in the minimum amount of Two Million Dollars (\$2,000,000) excess of the Employer's Liability, Commercial General Liability and Business Automobile Liability coverages described herein.

7. MODIFICATION OF TECHNICAL SPECIFICATIONS, ITEM 524 – SANITARY SEWER MANHOLE REHABILITATION

Replace existing specification with the enclosed Item 524M – Sanitary Sewer Manhole Rehabilitation specification, revised on October, 2018.

8. MODIFICATION OF TECHNICAL SPECIFICATIONS, ITEM 522 – SANITARY SEWER TELEVISION INSPECTION

Replace existing specification with the enclosed Item 522M – Sanitary Sewer Television Inspection specification, revised on May, 2022.

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ITEM 524M SANITARY SEWER MANHOLE REHABILITATION

DESCRIPTION:

The Contactor shall be responsible for furnishing all labor, supervision, products, materials, equipment, and incidentals required to complete all manhole rehabilitation work and testing in accordance with this Specification.

Work under this Item consists of sanitary sewer manhole rehabilitation necessary to provide a system that stops infiltration, exfiltration, restores structural integrity, and provides protection for structures subject to hydrogen sulfide corrosion.

All structures scheduled for rehabilitation shall be cleaned, prepared, repaired, patched and/or sealed as required prior to the application of a hybrid epoxy system or polyurethane coating system or fiber reinforced geopolymer or epoxy lining system.

MATERIALS:

A. GENERAL

1. Handling, formulation, and storage of the products and grouts shall be in strict conformance with the manufacturer's recommendations. The uncured compound and grouts shall be delivered to the site in unopened containers, with the date of manufacture clearly indicated.
2. Mixing and handling of the compounds and grouts and the constituents producing it, which may be toxic on contact or inhalation, shall be as recommended by the manufacturer and Contactor shall minimize hazard to personnel. The Contractor is responsible for providing appropriate protective measures to ensure that the components and the chemicals produced in mixing are under the control of the Contractor at all times and are not available to unauthorized personnel or others. Excess material resulting from rehabilitation operations shall be disposed of in a safe manner. All equipment and material shall be subject to the review of the Engineer.
3. All chemical materials used shall meet the following minimum application requirements:
 - a. All component materials shall be easily transportable by common carriers.
 - b. Packing of component materials shall be compatible with field storage requirements.
 - c. Components shall be packed in such a fashion as to provide for maximum worker safety when handling the materials and minimize spillage when preparing for use.

- d. Residual sealing materials shall be removed from the sewer after injection to ensure no flow reductions, restrictions or blockages of sewer flows.

B. EPOXY LINING SYSTEM

To complete a sanitary sewer manhole rehabilitation using an epoxy lining system, the Contractor shall apply a combination of a cementitious liner first, followed by an epoxy coating.

1. Cementitious liner

Approved products with required one-inch thick application:

- a. AP/M Permaform CR-9000;
- b. Strong-Seal MS-2C;
- c. Raven 755.

2. Epoxy coating

Approved products with specified thickness application:

- a. Raven 405: Required thickness – 125 mils;
- b. AP/M Permaform COR+GARD: Required Thickness – 125 mils.

C. HYBRID EPOXY SYSTEM

To complete a sanitary sewer manhole rehabilitation using a hybrid epoxy lining system, the Contractor shall apply CladLiner, a product of CladLiner, with a required thickness of 500 mils.

D. POLYURETHANE COATING SYSTEM

To complete a sanitary sewer manhole rehabilitation using a polyurethane coating system, the Contractor shall apply SprayWall Structural Polyurethane, a product of Sprayroq, with a required thickness of 500 mils.

E. FIBER REINFORCED GEOPOLYMER

To complete a sanitary sewer manhole rehabilitation using a fiber reinforced geopolymer system, the Contractor shall apply GeoKrete Geopolymer, a product of Quadex, with a required thickness of one-inch.

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F. ACTIVE LEAK CONTROL

Active leak control materials are to be utilized to stop running water, infiltration, and other water stop needs. All active leak control materials must be compatible with the repair and lining materials proposed by the Contractor.

Approved materials include CladStop, Avanti AV-100, Strong-Plug, Strong-Seal Grout, or equal injection hydrophobic polyurethane products. Repair work shall follow manufacturer's recommended installation methods.

G. PATCHING, REPOINTING, FILLING AND REPAIRING NON-LEAKING HOLES, CRACKS AND SPALLS

Approved patching materials include CladRestore, Strong-Seal QSR, or equal. Patching materials must be compatible with the active leak control and lining materials proposed by the Contractor. Repair work shall follow manufacturer's recommended installation methods.

H. INVERT REPAIR

Invert repair shall be performed on all inverts with visible damage or where infiltration is present or when vacuum testing is specified. All invert repair materials must be compatible with the active leak control and lining materials proposed by the Contractor.

Acceptable products are CladRestore, Strong-Seal QSR, or approved equal.

I. MANHOLE FRAME CHIMNEY SEAL MATERIAL

Manhole frame chimney seals shall be applied of a corrosion resistant aromatic flexible urethane resin coating fully compatible with the manhole rehabilitation liner. The coating shall include a primer and a final coat. Frame chimney seals shall be Flex-Seal Utility Sealant as manufactured by Sealing Systems, Inc., Loretto, MN or equal.

CONSTRUCTION DETAILS:

A. REFERENCES:

The latest codes and standards referenced herein and belonging to the following organizations shall be followed:

1. American Society for Testing and Materials (ASTM)
2. National Association of Corrosion Engineers, NACE International (NACE)
3. The Society for Protective Coatings (SSPC)

4. Occupational Safety and Health Administration (OSHA)
5. Resource Conservation and Recovery Act (RCRA)
6. International Concrete Repair Institute (ICRI)
7. National Association of Sewer Service Companies (NASSCO)

B. SUBMITTALS:

1. The Contractor shall submit manufacturer's technical data, details, and specifications showing complete information on surface preparation and application procedures, material composition, physical properties and installation equipment.

The Contractor shall submit the testing procedure to ensure the liner system is of required thickness, strength and water-tightness. Provide a site-specific testing plan. Test records shall include GNHWPCA manhole identification, test used, location of each defect tested, and a statement indicating test results.

2. The technical data, with quantitative and qualitative values based on ASTM testing results, and/or other 3rd party testing methods shall demonstrate performance conformity with these specifications. If submitting an alternative product, please follow procedures set forth below.
3. The Contractor shall submit manufacturer's certification of applicator's successful completion of training in use of the application equipment, rehabilitation products, and rehabilitation procedures.
4. The Contractor shall submit warranty information.
5. In order to be considered as an equal product, said product will have to meet the minimum physical and performance properties of the products described herein as measured by the applicable ASTM standards referenced or other 3rd party referenced testing methods. Testing results must be performed and presented in the form of technical data sheets. Equal products' technical specifications/data and material safety data must be submitted to the Engineer a minimum of ten (10) days prior to bid date. Written product pre-approval is required to determine if the prospective product may be bid and utilized on this project(s). A product will be rejected as unacceptable should submittal to the Engineer not be received by the deadline and should the bid package not have enclosed a written approval from the Authority.

C. QUALITY ASSURANCE:

1. Product Manufacturer Qualifications – The manufacturers shall have a minimum

of 5 years' experience manufacturing the liner products.

2. Contractor Qualifications – The Contractor shall have at least 3-years' experience applying manhole lining systems. The Contractor shall have installed the lining system proposed for this project in a minimum of 200 manholes.
3. Single Source Responsibility - All products used with the lining system, including but not limited to, materials for infiltration control, invert repair and patching shall be approved by and supplied through the lining system manufacturer.
4. Quality Control of Application Conditions - The Owner reserves the right to cancel manhole rehabilitation work due to concerns with weather conditions. Provide continuous ventilation and, if necessary, cooling and heating facilities to maintain surface and ambient temperatures before, during, and following application of finishes, within temperature range and for duration as directed by the Manufacturer.
5. All work must be supervised by a foreman responsible for rehabilitating a minimum of 50 manholes using the proposed manufacturer's manhole lining system.

D. GUARANTEE:

1. Materials and labor shall be warranted by the Contractor of applied material systems for a minimum period of ten (10) years from the date of final acceptance of the project, once correctly applied by an approved applicator and inspected.
2. Failure will be deemed to have occurred if the protective system fails to (a) prevent the internal damage or corrosion of the underlying structure due to bacteriological, chemical, gaseous attack in the form of hydrogen sulfide (H₂S) found in sanitary sewer collection systems, (b) seal and protect the substrate and environment from contamination by effluent, (c) seal and protect from influent. It does not include excessive, atypical, non-wastewater induced chemical abuse, structural deficiencies, or atypical acts of God which cause hybrid damage.
3. Contractor shall, within a reasonable time after receipt of written notice thereof, repair defects in materials or workmanship which may develop during said warranty period, and any damage to other work caused by such defects or the repairing of same, at his own expense and without cost to the Authority.

E. LEGAL, SAFETY AND HEALTH REQUIREMENTS

The Contractor shall observe all federal, state and local laws, ordinances, policies, practices and regulations. In addition, the Contractor agrees to promptly procure all necessary approvals, licenses and permits, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work.

The Contractor shall conduct the work at all times in such a manner as to insure the least possible obstruction to traffic. The convenience of the general public and of the residents along and adjacent to the roadway shall be provided for in an adequate and satisfactory manner as the Engineer may direct.

All equipment and Materials shall be placed or stored in such locations so as not to be or to create the danger of becoming a hazard to the traveling public. No section of road shall be closed to the public except by permission of the municipality and Authority.

The safety provisions of applicable laws, building, construction and fire safety codes and the latest edition of the "Construction Safety Code, State of Connecticut, Labor Department", approved by the State Labor Commissioner, shall be complied with at all times.

The Contractor shall perform operations in strict accordance with OSHA and manufacturers' safety requirements. Particular attention is drawn to safety requirements involving entering confined spaces.

Damage incurred to the manhole or pipe segments due to methods and equipment employed by the Contractor is the responsibility of the Contractor. Damage to public and private property from sewer surcharging that results from material or equipment left in the manhole or sewer or from any flow blockage is the responsibility of the Contractor. The cost to repair the manhole or pipe segments and expenses incurred by the Authority as a result of the damage shall be the responsibility of the Contractor.

F. MANHOLE CLEANING / PREPARATION

1. Clean bench/invert floor and interior walls of manholes by removing deleterious material, including dirt, grease, and other debris. Use high-pressure water, at a minimum force of 3,000 psi. If required, use approved cleaners to remove grease, oil, and other matter, which would prevent a good bond between existing manhole wall and the approved repair materials.
2. Preparation of the interior surfaces shall conform to requirements of the wall liner material manufacturer. Loose and protruding brick, mortar and concrete shall be removed using a mason's hammer and chisel and/or scrapper. No debris shall be disposed of into the sewer system.
3. Active leaks shall be stopped and all interior surfaces shall be prepared as recommended by the lining manufacturer.
4. Insert plywood mats or sheeting over the existing flow channel and bench to prevent debris from falling into the sewer and to collect debris from manhole bench.
5. Existing manhole steps shall be removed, ground smooth, and patched. Step removal shall be incidental to the manhole rehabilitation costs.

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6. Drop Connections – The Contractor shall confirm whether a drop connection exists. If one is found, the Contractor shall remove any interior drop connections anchored to manhole walls prior to installing the lining system. After installation and proper curing of the liner, the Contractor shall re-install interior drop connections to their original condition prior to removal. Installation of new inside drops, if requested by the Engineer, shall follow the Authority's standard construction detail SD523-08 & SD523-09.

G. GENERAL APPLICATION

Sewer manhole rehabilitation lining shall be applied in accordance with the material manufacturer's specifications. Plugging leaks and patching surfaces shall be performed where indicated or required. Coatings and sealants shall be applied to all surfaces from the manhole base to the manhole frame. Apply lining material to the manhole bench and produce a gradual slope from the walls to the invert with the thickness at the invert to be no less than 1 inch. Round the wall/bench intersection to a uniform radius the full circumference of the intersection.

H. MANHOLE FRAME CHIMNEY SEAL

Manhole frame chimney seal installation shall be in strict accordance with the manufacturer's instructions. The Engineer shall inspect each manhole frame chimney seal after installation and before payment is made. There shall be no infiltration, inflow, or other leakage through the manhole frame chimney joint after the frame chimney seals have been installed. If leakage is evident, the manhole frame chimney seal shall be repaired as approved by the Engineer.

Contractor shall guarantee the manhole frame chimney seal for two full years from the date of acceptance by the Engineer to the extent that any defects including, but not limited to, root penetration signs or infiltration, cracks or excess grouting material, which may appear from faulty workmanship or material furnished by the Contractor shall be repaired. No additional payment will be made for repairing manhole frame chimney seals that fail testing.

The chimney seal shall be applied from a point 2-inches above the joint between the frame and chimney to a depth as required to rehabilitate the chimney. The minimal coverage shall be 12-inches, unless otherwise directed by the Engineer.

I. INSPECTION AND TESTING

1. Quality Assurance and Acceptance:
 - a. Four (4) - two-inch test cubes of the liner shall be cast each day or from every pallet of product used, and shall be properly packaged, labeled and sent for compression strength testing per ASTM C-109, to an independent testing

laboratory acceptable to the Engineer and paid for by the Contractor.

- b. After completion of manhole rehabilitation, Contractor shall verify the minimum coating thickness of the manhole liner. The Contractor shall propose a method for measuring the liner thickness. The costs associated with measuring the liner thickness shall be included in the unit bid price. If the thickness of the lining is not uniform or is less than specified, it shall be repaired or replaced at no additional cost to the Authority.
2. After the manhole rehabilitation work has been completed, the manhole shall be visually inspected by the Engineer in the presence of the Contractor and the work shall be found satisfactory to the Engineer. Any work that has been found to be defective shall be redone by the Contractor at no additional expense to the Authority.
3. Approximately 10% of manholes shall be vacuum tested to ensure a watertight installation. Manholes that will be vacuum tested will be selected by the Engineer.
- a. Testing for water tightness shall be accomplished by vacuum testing in accordance with ASTM C 1244.
- b. Manholes shall be vacuum tested and shall have a minimum of 8-inches of mercury applied to the manhole. Pressure drop shall not exceed 1 inch of mercury in a 1-minute test.
- c. If the tested manhole meets the required test pressure and duration, full payment for the manhole will be made. If the time duration measured to drop 1 inch of mercury is less than the required time as noted above, the manhole will have failed the vacuum test, and payment will be reduced as described below.
- i. If the tested manhole achieves the required initial vacuum pressure but holds the required pressure for less than the required time duration, half payment for the applicable manhole pay item will be made for that manhole.
- ii. If the tested manhole fails to achieve the initial specified pressure, no payment will be made for the applicable manhole pay item for that manhole.
- d. Contractor may repair and re-test manholes which fail the vacuum test. If the manhole passes the subsequent vacuum test, the Contractor shall be entitled to the commensurate payment for the manhole Work.
- e. Written verification of every manhole test must be provided to the Engineer. The following minimum information shall be recorded and provided:
- i. Manhole Number.
- ii. Beginning test pressure, end test pressure, and test duration (minimum 60

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- seconds).
- iii. Repeat test number.
- iv. Repairs made.

M. CLEAN UP

The Site shall be cleaned on a continuous, daily basis during performance of the work and shall be cleaned upon completion so that the Project Site shall be left in a neat and orderly condition acceptable to the Engineer.

MEASUREMENT AND PAYMENT

This work will be measured for payment by the actual number of vertical linear feet of manhole rehabilitated in accordance with these specifications. Measurement shall be made from the invert of the out flowing pipe to the bottom of the manhole cover and rounded to the nearest whole number of feet. Invert rehabilitation shall be included in this vertical foot unit cost.

This work shall be paid for at the unit price bid per vertical foot for Sanitary Sewer Manhole Rehabilitation completed and accepted, which price shall include all materials, labor, tools, and equipment necessary and incidental to complete the work in accordance with these specifications including plugging holes and under drains, stopping active hydrostatic infiltration, patching, filling and repairing non-infiltrating holes, cracks and breaks, surface preparation, installation and/or application of manhole lining system, installation and/or application of an injection grout system, testing, sealing pipe connections, lift holes, riser joining sections, bench/trough and corbel sections, frames and covers, and cleanup of the site.

No measurement will be made for partially completed manhole rehabilitation.

There will be a separate measurement for payment for the Installation and/or application of a manhole frame, chimney seal if requested by the Engineer.

There will be no separate measurement for payment for the cost of temporary bypass pumping, but the cost thereof shall be included in the contract unit price for sanitary sewer manhole rehabilitation.

Maintenance and Protection of Traffic will be measured and paid for in accordance with the provisions of Item 971, "Maintenance and Protection of Traffic." When no price for Item 971, Maintenance and Protection of Traffic, is asked for on the Proposal Form, this work will not be measured for payment, but the cost shall be included in the unit price bid for sanitary sewer manhole rehabilitation.

| <u>Item Number</u> | <u>Pay Item</u> | <u>Pay Unit</u> |
|--------------------|--|-----------------|
| 524.01 | Sanitary Sewer Manhole Rehabilitation | Vertical Foot |
| 524.02 | Flex Coat Chimney Seal | Each |

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ITEM 522M SANITARY SEWER TELEVISION INSPECTION

DESCRIPTION:

Under this item, the Contractor shall inspect sanitary sewer interior using color closed-circuit television (CCTV) camera, and document the record of the inspection in DVD format with audio location and date information, video title information, continuous tape counter and provide paper and digital copies of all inspection logs. Work may be performed in conjunction with sanitary sewer cleaning, installation of cured-in-place pipe lining and/or manhole rehabilitation, independently or in conjunction with other sanitary sewer activities.

MATERIALS AND EQUIPMENT:

- A. Television Inspection Camera(s): Equipped with rotating head, capable of ± 275 -degree rotation from horizontal and 360-degree rotation about its centerline.
1. Minimum Camera Resolution: 400 vertical lines and 460 horizontal lines; picture quality and definition shall be to the satisfaction of the Engineer.
 2. Camera Lens: Not less than 140 degree viewing angle, with automatic or remote focus and iris controls.
 3. Focal Distance: Adjustable through range of 1 inch to infinity.
 4. Camera(s) shall be intrinsically safe and operative in 100 percent humidity conditions.
 5. Lighting Intensity: Remote-controlled and adjusted to minimize reflective glare.
 6. Lighting and Camera Quality: Provide clear, in-focus picture of entire inside periphery of sewer. A reflector in front of the camera may be required to enhance lighting in large diameter pipe.
 7. Height adjustment: Use a camera with camera height adjustment so that the camera lens is always centered at one-half the inside diameter, or higher, in the pipe being inspected. Camera height adjustment is particularly necessary on oval/egg shaped brick sewer pipes for the Contractor to be able to inspect as far into the lateral sewer pipe connection as possible.
- B. Footage Counter: Measures distance traveled by camera from the centerline of the starting manhole, accurate to two-tenths of a foot over the entire length of the section being inspected.
- C. Video Titling: Video equipment shall include genlocking capabilities to extent that computer generated data (such as footage, date, and size) as determined by SDR, can be overlaid onto video, and be indicated on television monitor and permanently recorded on inspection videotape.
- D. Recording: All recordings are to be in digital format.

1. Image Capture: Capture color still shots of video recordings for all defects encountered. Digitized picture images shall be stored and be exportable as JPEG formats.
2. Video Capture: Full time live video and audio files shall be captured for each pipe segment and lateral inspected. The files shall be stored in industry standard MPEG format viewable from a DVD on an external personal computer that utilizes Microsoft Media Player, version 9.0 to view the recording. The MPEG video shall be ISO-MPEG Level 1 (MPEG-1) coding with a resolution of 352 pixels (x) by 240 pixels (y) and an encoded frame rate of 24 frames per second. System shall perform an automatic disk image/file naming structure to allow saved video/data sections to be "Burned" to DVDR format. It shall have the capability of "burning" a minimum of 120 minutes of recording to the DVDR media. The video recording shall be free of electrical interference and shall produce a clear and stable image. The audio recording shall be sufficiently free of background and electrical noise as to produce an oral report that is clear and discernable. The digital recordings and inspection data shall be cross-referenced to allow instant access to any point of interest within the digital recording.

CONSTRUCTION DETAILS:

The Contractor shall provide qualified and experienced personnel and all necessary equipment, tools and materials and all incidentals required to perform sanitary Sewer Television Inspection according to the requirements of these specifications.

Inspection shall be performed by a NASSCO Pipeline Assessment Certification Program (PACP) certified operator and shall meet the coding and reporting standards and guidelines as set by PACP. All report annotations, pipe conditions and pipe defects shall be identified properly using PACP codes as defined by PACP, and severity ratings shall be calculated according to PACP.

A. SUBMITTALS

1. Quality Assurance: Submit one example DVD of previous sewer inspection work that shows operational and structural defects in sewers, complete with audio commentary and inspection log(s).
2. DVD and inspection logs will be reviewed to determine if quality of CCTV image is acceptable, and if defects were properly identified and documented according to Authority requirements.
3. Modify equipment and/or inspection procedures to achieve report material of acceptable quality.
4. Do not commence Work prior to approval of report material quality by the Engineer. Upon acceptance, report material shall serve as standard for remaining Work.

5. Maintain copy of all inspection documentation (tapes, databases, and logs) for duration of Work and warranty period.
6. Copies of PACP certificate for inspectors completing the work.
7. Final Submittal: After the inspections have been completed, the Contractor shall submit a DVD containing electronic files of the inspection databases in unmodified NASSCO-PACP Certified Access format, movies, pictures and reports. The Contractor shall submit individual PACP exchange database (.mdb) inspection files (version 2.2 or 4.2) for each of the structures inspected. Each database must be labeled and named using the inspected structure's GNHWPCA identification (ID) number. Databases that merge multiple inspection files will not be accepted. The DVD shall also contain video files in MPEG format of each of the inspected structures and pictures in JPEG format. An inspection report shall be submitted both in electronic and hard copy form. The report shall include a table of contents listing all the segments inspected with corresponding street names and associated report page number.

B. LEGAL, HEALTH AND SAFETY REQUIREMENTS

The Contractor shall observe all federal, state and local laws, ordinances, policies, practices and regulations. In addition, the Contractor agrees to promptly procure all necessary approvals, licenses and permits, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work.

The Contractor shall conduct the work at all times in such a manner as to insure the least possible obstruction to traffic. The convenience of the general public and of the residents along and adjacent to the roadway shall be provided for in an adequate and satisfactory manner as the Engineer may direct.

All equipment and Materials shall be placed or stored in such locations so as not to be or to create the danger of becoming a hazard to the traveling public. No section of road shall be closed to the public except by permission of the Authority.

The safety provisions of applicable laws, building, construction and fire safety codes and the latest edition of the "Construction Safety Code, State of Connecticut, Labor Department", approved by the State Labor Commissioner, shall be complied with at all times.

The Contractor shall perform operations in strict accordance with OSHA and equipment manufacturers' safety requirements. Particular attention is drawn to safety requirements involving entering confined spaces.

C. PROSECUTION OF THE WORK

Sewer Flow Requirements:

1. Minimal visible sewage flow in the sanitary sewers shall be allowed during inspection. If in the opinion of the Engineer, the amount of sewage flow

observed during the television inspection becomes detrimental to the effectiveness of the work, it shall be eliminated by plugging of the sewers in the upstream manhole and/or bypass pumping, if necessary.

2. Plugs for flow control shall be of a design which permits the release of a portion or all of the stored sewage flow in an emergency.
3. Water levels in the manholes upstream of the plugs shall not be allowed to rise to an elevation higher than two (2) feet above the manhole invert. If water levels rise to higher elevations, the plugs shall be removed to release a portion of the stored sewage or bypass pumping shall be utilized. Flows shall be restored to normal after completion of the television inspection.
4. Should Contractor's televising equipment become lodged in any sewer line, it shall be removed by the Contractor at his expense. Contractor shall re-televising any line segment in which his equipment became lodged after said equipment has been removed to demonstrate to the Authority that no damage exists as a result of his televising operations and the recovery of the equipment.

D. SEQUENCE OF THE WORK

When performed in conjunction with cured-in-place lining, the Contractor shall perform the Work in the following sequence:

1. Clean sewer lines and manholes in accordance with requirements of Item 518, Sanitary Sewer Cleaning.
2. Perform TV inspection to comply with requirements of this specification.
3. Install cured-in-place pipe lining in accordance with requirements of Item 520, Sanitary Sewer Cured-In-Place Pipe Lining.
4. Repeat TV inspection in same direction as previous inspection, after completion of installation of cured-in-place lining.
5. Inspection Requirements
 - a. The entire inspection survey shall be recorded in MPEG format written to a hard drive, thumb drive, or DVD and submitted with digital links to the survey. The documentation of the work shall be consistent with the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (current edition), including CCTV Reports, unmodified PACP database, logs, electronic reports, etc. noting important features encountered during the inspection.
 - b. Audio portion shall be sufficiently free from electrical interference and background noise to provide complete intelligibility of oral report.

- c. Identify each DVD with labels showing Authority's name, Contractor's name, and each manhole-to-manhole pipe segment of sewer line represented on DVD.
 - d. The completed DVD will become the property of the Authority.
6. The speed of travel shall be slow enough to inspect each pipe joint, tee connection, structural deterioration, infiltration and inflow sources, and deposits, but should not, any time, be faster than 30 feet per minute. The camera must be centered in the pipe to provide accurate distance measurements to provide exact locations of important features in the sewer and these footage measurements shall be displayed and documented on the video.
7. Stop at every joint for three seconds and using a pan and tilt view when appropriate and stopping elsewhere when necessary to ensure proper documentation of the sewer's condition. Stop at every lateral connection. Center the camera so that the lighting and the pan and tilt view can be used to inspect as far into the lateral connection as possible. Recording all defects found in the service connection. Where lateral flow is observed, observe flows from service connections for approximately two minutes to ascertain if the flow is sanitary or extraneous flow. The video recording may be paused during observation. Record results of the flow observed on video recording and inspection logs.
8. Obstructions may be encountered during the course of the CCTV inspection that prevent the travel of the camera. In instances when obstructions are not passable, the contractor shall withdraw the equipment and begin a CCTV inspection from the opposite end of the sewer reach.
9. In addition to televising the sewer pipe, all manholes shall be panned with the video camera and visually inspected. A full 360 degree pan of all manholes is required. This video footage shall occur at the beginning of each pipe segment survey inspection from the bottom of the manhole panning up the manhole shaft. The contractor shall cover the manhole opening to prevent too much light from entering the structure and to ensure a clear and focused view of the manhole interior. In instances when the manhole is the terminating manhole then the pan shall occur at the end of the pipe segment survey inspection as well.
10. The Engineer shall have access to observe and monitor operations at all times.
11. Every section of sewer (manhole to manhole) shall be identified by audio and alphanumeric on the video display and shall include: Project title, name of Greater New Haven Water Pollution Control Authority, time of day, map number, manhole to manhole pipe section, pipe material, sewer diameter and length, compass direction of viewing, direction of camera's travel, pipe depth, and operator name.

Important features shall be identified by audio and on PACP log to include all manholes, active and inactive service connections, structural defects, maintenance problems, grease, roots, infiltration, obvious inflow sources, etc. All video must be continuously metered from manhole to manhole.

E. ACCEPTANCE BY THE ENGINEER

Final Acceptance of the work shall be determined by the Engineer based upon the verification that the Sanitary Sewer Television Inspection has been successfully completed in accordance with the following requirements:

1. Maximum depth of flow for CCTV inspections shall be 25% of the pipe diameter. If the depth of flow is greater, then the CCTV inspection shall be performed during the low flow periods between the hours of 10:00 PM to 6:00 AM. If the flow is still above 25% on the return trip, then the contractor can use a flow controlling mechanism to control the flow and proceed with the inspection. If the contractor encounters a surcharging manhole (whereas the flow at the manhole is at least 50% of the sewer pipe diameter), then the contractor shall immediately notify the GNHWPCA emergency number at 203-466-5260.
2. Where television inspection is in preparation for the installation of cured-in-place pipe lining, the television inspection shall be in accordance with these specifications and the requirements of Item 520, Sanitary Sewer Cured-in-Place Pipe Lining.
3. Where television inspection is in preparation for manhole rehabilitation, the television inspection shall be in accordance with these specifications and the requirements of Item 524, Sanitary Sewer Manhole Rehabilitation.

If the Engineer determines that the television inspection has not been completed in accordance with the requirements, the Contractor shall repeat the television inspection process until final acceptance is obtained.

F. CLEAN UP

The Site shall be cleaned on a continuous, daily basis during performance of the work and shall be cleaned upon completion so that the Project Site shall be left in a neat and orderly condition acceptable to the Engineer.

MEASUREMENT AND PAYMENT:

This work will be measured for payment by the actual number of linear feet of the size and type of sanitary sewer television inspections, measured along the centerline of the sanitary sewer from the center of the manhole to the center of the manhole.

This work shall be paid for at the contract unit price per linear foot of "Sanitary Sewer Television Inspection (Size) (Type), actually completed, which price shall include all

materials, labor, tools, and equipment incidental and necessary for the television inspection.

For Television Inspection in connection with the installation of Sanitary Sewer Cured-In-Place Pipe Lining, the work will be measured for payment by the actual number of linear feet, measured along the centerline of the sanitary sewer from the center of the manhole to the center of the manhole. The actual number of linear feet of the sanitary sewer lined with cured-in-place pipe lining shall only be measured and paid for once and the unit price bid shall include the cost of the pre-insertion and post-insertion television inspections as well as the final television inspection performed at the completion of the three-year guarantee period.

There will be no measurement for payment for the cost of television inspection of manholes, but the cost thereof shall be included in the contract unit price per linear foot for the size and type of sanitary sewer television inspection.

| <u>Item Number</u> | <u>Pay Item</u> | <u>Pay Unit</u> |
|--------------------|---|-----------------|
| 522 | Sanitary Sewer Television Inspection (Size) (Type) | Linear Foot |

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APPENDIX A

**On-Call Proposal
Sanitary Sewer Collection System
On-Call Repairs**

The undersigned has examined the basic requirements of this RFP and hereby offers to provide the Greater New Haven Water Pollution Control Authority with emergency and routine repair or rehabilitation services, on an on-call basis as detailed by this RFP for the prices shown on the enclosed forms.

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Signature _____ Date: _____
(Print) Name _____ Title _____
Firm _____
Address _____
Contact Phone _____ Fax _____
Email _____

Specialized Trenchless Contractor YES / NO

APPENDIX B

Statement of Qualifications LITIGATION

Failure to answer truthfully may result in disqualification of your proposal and will be considered a breach of contract after execution of contract is awarded.

Is your company involved in any current litigation? YES / NO
(If yes, please attach a letter briefly describing the litigation)

Has the company been involved in any litigation in the last three years? YES / NO

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APPENDIX C

Performance and Payment Bonds

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BOND NO. _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That _____
_____ as Principal, and _____,
as Surety, located at _____
(Business Address), a surety insurer chartered and existing under the laws of the State of _____
_____ and authorized to do business in the State of Connecticut, are held
and firmly bound unto the Greater New Haven Water Pollution Control Authority, as Obligee, in
the sum of _____
(\$ _____) for the payment whereof we bind ourselves, our heirs, executors,
personal representatives, successors and assigns, jointly and severally.

WHEREAS, Principal has entered into a contract dated _____ of the _____ day of _____,
20__ with Obligee for

SANITARY SEWER COLLECTION SYSTEM ON-CALL REPAIRS – SSR 2026-01

in accordance with drawings and specifications, which contract is incorporated by reference and
made a part hereof, and is referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS BOND is that of Principal:

1. Performs the Contract at the times and in the manner prescribed in the Contract;
and
2. Pays Obligee any and all losses, damages, expenses, costs, direct or indirect, and
attorney's fees, including costs of any mediation, arbitration, litigation or
appellate proceedings, that Obligee sustains because of any default by Principal
under the Contract, including, but not limited to, all delay damages, whether
liquidated or actual, incurred by Obligee;

then this Bond is void; otherwise it remains in full force and effect and Surety shall be fully
liable for performance of the Principal's obligations provided thereunder.

In the event of a declaration of default of Principal by Obligee under the Contract, the
Surety shall, within twenty (20) days of receipt of notice of such default, either: (1) tender the
Obligee the full amount of the penal sum of this Bond; or (2) undertake to perform or complete
the remaining Contract obligations itself through its agents or through independent contractors.

If Surety denies liability, in whole or in part, it shall notify the Obligee, in writing, citing the detailed reasons therefor, within fifteen (15) days of receipt of the aforesaid declaration of default of Principal.

The Surety, for value received, hereby stipulates and agrees that no changes, extensions of time, or additions to the terms of the Contract, or other work to be performed hereunder, or the specifications referred to therein shall in anyway affect its obligations under this Bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions to the terms of the Contract, to the work thereunder or to the specifications.

In no event will the Surety be liable in the aggregate to Obligee for more than the penal sum of this Performance Bond, regardless of the number of suits that may be filed by Obligee.

Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the State of Connecticut and shall be instituted within the applicable statute of limitations for contract actions after Principal default.

IN WITNESS WHEREOF, the above parties have executed this instrument this ____ day of _____, 20__, the name of each party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed, sealed and delivered
in the presence of:

PRINCIPAL

Witnesses as to Principal:

By: _____

Name: _____

Its: _____

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STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by _____, as _____ of _____, a _____ [corporation/limited liability company/partnership], on behalf of the [corporation/limited liability company/partnership]. [He/She] is personally known to me or what has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires:

Notary Public (Signature)

(AFFIX NOTARY SEAL)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

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ATTEST:

SURETY:

Witnesses as to Surety:

(Printed Name)

(Business Address)

(Authorized Signature)

(Printed Name)

OR

Witnesses as to Attorney-in-Fact:

As Attorney-in-Fact
(Attach Power of Attorney)

(Business Address)

(Printed Name)

(Telephone Number)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by _____, as _____ of _____, a _____ [corporation/limited liability company/partnership], on behalf of the [corporation/limited liability company/partnership]. [He/She] is personally known to me or what has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires:

Notary Public (Signature)

(AFFIX NOTARY SEAL)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

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BOND NO. _____

PAYMENT BOND (incorporating C.G.S. § 49-41)

KNOW ALL MEN BY THESE PRESENTS: That by this Bond, we, _____
_____ (hereinafter called the "Principal") and
_____ (hereinafter called the "Surety"),
located at _____,
a surety insurer chartered and existing under the laws of the State of _____ and
authorized to do business in the State of Connecticut, are held and firmly bound unto the Greater
New Haven Water Pollution Control Authority (hereinafter called "Owner") in the sum of _____
(\$ _____) for the payment whereof we bind ourselves, our heirs, personal
representatives, executors, successors and assigns, jointly and severally.

WHEREAS, Principal and the Owner have reached a mutual agreement (hereinafter
referred to as the "Contract") for the purpose of **SANITARY SEWER COLLECTION
SYSTEM ON-CALL REPAIRS – SSR 2026-01**, said Contract being made a part of this Bond
by this reference.

NOW, THEREFORE, THE CONDITION OF THIS BOND is that if the Principal:

1. Promptly makes payments to all claimants supplying the Principal with labor,
materials or supplies, as used directly or indirectly by the Principal in the prosecution
of the work provided for in the Contract; and
2. Pays the Owner for all losses, damages, expenses, costs, and attorneys' fees,
including the costs of any mediation, arbitration, litigation or appellate proceedings,
that the Owner sustains because of a default by the Principal under paragraph 1 of this
Bond, then this Bond is void; otherwise this Bond remains in full force and effect.

BE IT FURTHER KNOWN:

Any changes in or under the Contract and compliance or noncompliance with formalities
connected with the Contract or alterations which may be made in the terms of the said Contract,
or in the work to be done under it, or the giving by the Owner of any extension of time for the
performance of the said Contract, or any other forbearance on the part of the Owner or Principal
to the other, shall not affect the obligation of the Principal and the Surety, or either of them, their
heirs, personal representatives, successors or assigns under this Bond, notice to the Surety of any
such changes, alterations, extensions or forbearance being hereby waived.

This Bond is issued in accordance with and expressly incorporates herein the requirements
of Conn. Gen. Stat. § 49-41.

IN WITNESS WHEREOF, the above parties have executed this instrument this ____ day of _____, 20__, the name of each party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed, sealed and delivered in the presence of:

Witnesses as to Principal:

PRINCIPAL:

By: _____

Name: _____

Its: _____

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 20__ by _____, as _____ of _____, a _____ [corporation/limited liability company /partnership], on behalf of the _____ [corporation/limited liability company/partnership]. He/She is personally known to me or who has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires: _____

Notary Public (Signature)

(AFFIX NOTARY SEAL)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

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ATTEST:

SURETY:

Witnesses as to Surety:

(Printed Name)

(Business Address)

(Authorized Signature)

(Printed Name)

OR

Witnesses as to Attorney-in-Fact:

As Attorney-in-Fact
(Attach Power of Attorney)

(Business Address)

(Printed Name)

(Telephone Number)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 20__
by _____, as _____ of
_____, a Surety, on behalf of the Surety.
[He/She] is personally known to me or who has produced _____ as
identification and who [did] [did not] take an oath.

My Commission Expires:

(AFFIX NOTARY SEAL)

Notary Public (Signature)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

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