



**GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY  
YALE CAMPUS TRUMBULL STREET AREA SEWER SEPARATION PHASE 2**

**Project CWF 2012-04**

**ADDENDUM #3**

**July 15, 2022**

**BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM # 3  
AND ALL PREVIOUS ADDENDA IN THEIR PROPOSAL**

**Bidders are hereby informed that plans and specifications for the above-mentioned project are modified, corrected, and or supplemented as follows and that Addendum #3, complete with the enclosures, becomes part of the Contract Documents.**

**A. BID DUE DATE REVISED TO JULY 26, 2022 AT 10:00 AM LOCAL TIME:**

1. Sealed Bids for project CWF 2012-04 are due no later than 10:00 AM Local Time on Tuesday July 26, 2022, at GNHWPCA Headquarters, 260 East Street, New Haven, CT 06511, at which time they will be opened in a virtual bid opening. Be advised the GNHWPCA offices are not open to the public and Bidders are solely responsible to make certain their bids are received in a timely manner.
2. The Bid Opening will be held virtually via Microsoft Teams. To attend the bid opening, you may click on the following link: [Click here to join the meeting](#) at the time of bid opening. All bidders will be provided an email with the unofficial bid results shortly after the bid opening.

**B. QUESTIONS SUBMITTED:**

1. Can there be a Cost Escalation Factor for items whose prices may be volatile?
  - i. **RESPONSE:** An Asphalt Adjustment Cost Allowance is added to the revised Itemized Proposal included in this Addendum. The Method for calculating the adjustment, increase or decrease, is provided in Supplemental Technical Specification 1575. The Asphalt Adjustment Cost will not apply to any Temporary Pavement Repairs to Trench in Roadways or Sidewalks, Bituminous Concrete Cold Patch, or Hybrid Asphalt whether on Local Roads or Collector Roads, related to the Contractor's work or Utility Work. The Asphalt Adjustment Cost Allowance is to be calculated for Bituminous Permanent Pavement Repair Items used in Skim Coat, Trench Repair, Utility Trench Repair



**and Overlay. The Base Cost used in calculating the Asphalt Adjustment is \$735.00/Standard Ton, English units.**

2. There does not appear to be an item for Tack Coat or Joint Sealant required for Permanent Pavement Repair. How are these paid for?
  - i. **RESPONSE: The costs associated with providing and installing Tack Coat and Joint Sealant required for Permanent Pavement Repair are to be included in the various items for Permanent Pavement Repair.**
3. Please confirm if each individual storm manhole requires a separate shop drawing and PE stamp for each manhole as stated in the project specifications.
  - i. **RESPONSE: The requirement is Section 1505 Part 1.3.C for a Professional Engineer to design each individual storm manhole will relate to each different type of storm manhole. A manufactured precast manhole shop drawing may include various sizes on one submittal bearing the engineer's seal. Cast in place manholes will each require a separate shop drawing bearing the engineer's seal.**
4. Per the project documents, storm manholes require flexible connections (boots). Are these required on storm manholes, or can the connection between the manhole and pipes be mortared?
  - i. **RESPONSE: The storm drain connections between manholes and pipes may be mortared in the field and do not require manhole boots. The connections from catch basins will be determined in the field and will require coring in the field, therefore a manufactured rubber boot cannot be installed by the precast manufacturer.**
5. Plan Sheet 82, Detail 4 identifies "Roots over 1.5" diameter should be cleanly cut by hand". Detail 6 identifies "Significant roots (1.5" or larger) shall be protected and remain undisturbed". Specification 1513 identifies "Large Roots (3" diameter) shall not be cut with the approval of the project arborist." Please clarify?
  - i. **RESPONSE:**
    1. **Plan Sheet 82, Detail 4, Note 4 shall be revised to: "Roots should be severed by trencher, vibratory plow, or approved equivalent. Roots over 1" in diameter should be cleanly cut by hand. Root pruning adjacent to specimen trees may require soil removal by supersonic air tool to minimize tree and root impacts."**
    2. **Plan Sheet 82, Detail 6, Third Note beginning with "Significant Roots..." shall be revised to: "Significant Roots (4" diameter or larger) shall be protected and remain undisturbed. Arborist may wrap with protective material/matting to minimize damage."**



3. **Specification 1513 provides the exception that may occur when a tree root, larger than 3" in diameter, conflicts with the mainline pipe or structures. At that point, the Project Arborist and Contract Arborist review options. If they come to agree that there are no reasonable options and it will not have a significant impact on the tree, the root may be professionally cut.**
6. Please reference contract drawings 76 to 81. Do all trees noted on contract drawings require Tree Protection Fence and or Tree Trunk Wrap?
  - i. **RESPONSE: The tables on sheets 83 and 84 do not require tree trunk wrap for any trees. It is an option for the Contract Arborist to utilize when working with the contractor in the overall protection of the trees. Temporary Tree Protection Fence is recommended for each tree that is to be preserved. Whether the trees are to be fenced individually or fenced as a group will depend on the locations, construction activities and site conditions.**
7. Will there be a Pre-Construction walk through regarding the tree protection?
  - i. **RESPONSE: Prior to the start of construction, the Contract Arborist should develop the specific protocols they propose for protecting the trees, and submit these proposed protocols, as a shop drawing. Once submitted, the Contract Arborist will meet with the Project Arborist and Engineer to review the specific proposed tree protection measures.**
8. The Bid Item Standard Bioswale has 22 units as the quantity. The drawings only show 15 bioswales. What should the quantity be?
  - i. **RESPONSE: Please see the revised Itemized Proposal form included in this Addendum.**
9. In Bid Item Bioswale Bump Out – How is the Granite Curb to be paid for since the layout will be formalized in the field?
  - i. **RESPONSE: The Granite Curb for the Bump Outs will be paid for at the unit price per lineal foot for Granite Stone Curbing.**
10. Bid Item # 123 Bioswale Mix is a relatively small quantity to include the Bioswales in Items #119 and #120. Is this the intent?
  - i. **RESPONSE: The Bid Item Bioswale Soil Mix applies to removing existing soil and replacement with Bioswale Soil Mix for the Bump Outs at the intersection of Lawrence St and Mechanic St which is being formed, including granite curb, by others. The costs for Items Standard Bioswale and Bioswale Bump Out include the Bioswale Soil Mix.**



11. Referencing the Standard Bioswale Bump Out, does this Bid Item include the cost for the entire bump out area in the street?
- i. **RESPONSE:** **The Standard Bioswale Bump Out Bid Item includes all the work shown on the detail, except for the Granite Curbing and the Bioswale Bump Out Fencing, which are paid for under their individual items.**
12. The Bioswale Bump Out plans do not have specific measurements shown. How are these to be located?
- i. **RESPONSE:** **After the Call Before You Dig (CBYD) utility locations have been marked out, the Bioswale Bump Outs will be staked out in the field jointly between the Contractor and the Engineer, with input/approval from the City of New Haven. The Bioswale Bump Out - Site Humphrey-BMP-01 is deleted from this contract. The Estimated Quantity remains unchanged.**
13. What are the existing Flow Rates for each of the sewers for all streets within the project? Will the CIPP Lining Contractor be allowed to install liner at night during off peak flow hours?
- i. **RESPONSE:** **Design, installation and operation of Temporary Bypass Pumping is the responsibility of the Contractor. Contractor may consider flow metering/monitoring as part of their design of the temporary bypass system to further refine these figures. Installation of CIPP Lining at night is one option that may be proposed. The following flows are full pipe capacities, during dry weather, for the various segments to be bypassed for CIPP Lining:**
1. Pearl St – 4 MGD
  2. Lincoln St – 1.4 MGD
  3. Bradley St – 5 MGD
  4. Whitney Av - 6 MGD
14. Can the monitoring required for Bid Item – Temporary Bypass Pumping be done remotely or does there need to be a watchman on site?
- i. **RESPONSE:** **Monitoring of individual laterals or drains that are being bypassed may be done remotely. Bypass Pumping for the Sewer Main must be monitored in person on site.**
15. The contract plans identify soldier piles and lagging for temporary support and sheeting left in place. The specifications call for non-impact support system in the vicinity of brick sewers. Sheet piling and sheet piling left in place are included as bid items. Will the items for Temporary Sheet Piling and Temporary Sheet Piling Left in Place be used to also pay for the Soldier Pile and Lagging and Soldier Pile and Lagging Left in Place?



- i. RESPONSE: The design and installation of temporary sheeting will be done by the Contractor’s Engineer, who will select a method best suited to their operations. The caveat that installations alongside brick sewers must be done without vibration remains a basic requirement. Payment for Temporary Pile and Lagging will be paid for under the Bid Item Temporary Sheet Piling. Payment for Temporary Soldier Pile and Wood Lagging Trench Protection Left in Place, as shown on the drawings, will be paid for under the Bid Item Permanent Steel Sheet Piling.**
  
- 16. Can the soldier piles be removed, and the lagging be left in place for Pile and Lagging Left in Place?
  - i. RESPONSE: For Sheeting Left in Place, the Piles and Lagging must both remain.**
  
- 17. If sheeting is not to be driven adjacent to brick sewers, how would that be done?
  - i. RESPONSE: The selection of method is that of the contractor with approval of the engineer. Some contractors have chosen to use vacuum excavation for the pile below the brick sewer and then a pressing of the pile into the soil to firm embedment.**
  
- 18. The specifications for Temporary Sheet Piling states that “Sheeting must not be vibrated or driven”. Is this a requirement for the whole project?
  - i. RESPONSE: Installation methods for sheeting and shoring that can cause vibration adjacent to brick sewers is prohibited. Temporary Sheet Piling and Permanent Steel Sheet Piling are shown in areas adjacent to utilities that are not to be disturbed. The “Notice to Contractor – Support of Utilities” on page SS-1 requires the Contractor’s Engineer to design the shoring system and the design be approved by the adjacent utilities. It is the responsibility of the Contractor’s Engineer to determine the installation methods that will be approved by the adjacent utilities, in the installation and in the support of the utilities during any removal and pavement restoration which may include use of oscillating rollers for installation of Bituminous Concrete. Use of Oscillating Rollers shall be provided at no additional cost.**
  
- 19. Please define what roads are Collector Streets and what roads are Local Roads?
  - i. RESPONSE: Collector Roads include Sachem St, Orange St, Whitney Av, Humphrey St, and George St. The balance of the Roads is considered Local Roads. All unit prices bid should account for the true cost of providing the item being bid, independent of other work items.**



20. Restoration Plan Sheets identify milling and paving as an alternate, but there are no alternates in the bid sheets. How is it to be bid?
- i. **RESPONSE:** Prior to the start of Permanent Pavement Repair, the Owner and Engineer will review the condition of roadways in consultation with the City of New Haven and direct the contractor as to which method to be used on the various roadways. The pricing bid for each of the items are to include the work necessary to perform the unit of work, independent of other work items.
21. Bid Item - Bit Conc Collector HMA S1.0, 9", where do we place 2-4.5" courses of HMA S1.0?
- i. **RESPONSE:** When directed to Mill and Pave Collector roadways, the Permanent Pavement Repair to be performed prior to the milling will consist of Bid Item Bituminous Concrete Trench Repair (Collector) HMA S1.0 Level 2, Thickness 9" (2 – 4 1/2" courses), rather than Bid Items for Trench Repair consisting of 6" (2 – 3" courses) of HMA S1.0 and 3" (2 – 1 1/2" courses) of HMA S0.5.
22. The quantities for Milling and Overlay do not match. Is this correct?
- i. **RESPONSE:** Please see revised Itemized Proposal sheets with this Addendum.
23. What Level HMA S0.5 is required for this project?
- i. **RESPONSE:** The HMA S0.5 pavement shall be designed to Traffic Level 2.
24. Please confirm that all permanent pavement repair for utility trenches will be done by the contractor.
- i. **RESPONSE:** The Utility Trench Permanent Pavement Repairs are to be done by the Contractor. As the Contractor does not have control of the excavation method being used by the utility, the payment limits will be as required for the repair. A Bid Item has been added for Utility Trench Course (Collector) HMA S1.0, Thickness 9" (2 – 4 1/2" courses) for Collector Roads that will be milled and paved.
25. Does the select fill around the storm drainage need to be wrapped in filter fabric?
- i. **RESPONSE:** The select fill around the storm drainage pipe does not need to be wrapped in filter fabric. Note that the detail for new sanitary sewer requires a filter fabric wrap.
26. Does GNHWPCA expect the contractor to start this October and shut down December 1<sup>st</sup> or will a spring start date in 2023 be acceptable?
- i. **RESPONSE:** The start date will be determined at the time of contract signing and as part of the Notice to Proceed. There are a series of



**advanced work items that could be performed within the winter months including utility coordination and layout of bioswales.**

27. Please provide a list of locations and types of trees to be provided under the item "Approved Tree (3" Caliper) from the City of New Haven's Tree List"
- i. **RESPONSE:** The locations of the replacement trees will be determined during construction within a one-mile radius of the project limits, along City streets. The species selection will vary depending on the location. The Bid Item has been revised to three separate items, all 3" Caliper. Please reference the revised Itemized Proposal Forms. A copy of the URI/New Haven - Approved Trees for Planting in the Public Right of Way (aka City of New Haven's Tree List) is attached for information. The three Bid Items include:
    - 1. One for "Small Tree (3" Caliper) from City of New Haven's Approved Tree List" Suitable for Planting Under Utility Wires,
    - 2. One for "Medium Tree (3" Caliper) from City of New Haven's Approved Tree List" - Sometimes Suitable for Planting under High Utility Wires, and
    - 3. One for "Large Tree (3" Caliper) from City of New Haven's Approved Tree List" - Not Suitable for Planting Under Utility Wires.
28. Can Item # 117 "Arborist Supervision During Construction" be revised from Lump Sum to an Hourly basis?
- i. **RESPONSE:** Delete the last line in Special Technical Specification Section 1513, Tree Preservation, Part 4 – Measurement and Payment which refers to payment for the Construction Oversight by Contract Arborist as an hourly rate. The Bid Item "Arborist Supervision During Construction" is deleted. All costs associated with the Contract Arborist, and their Supervision During Construction is to be included in the Lump Sum Bid Item Tree Preservation. See the revised Itemized Proposal Forms. All unit prices bid should be complete for providing the item bid.
29. Please furnish a Utility Relocation Schedule detailing size, type, locations, and duration of all utility relocations.
- i. **RESPONSE:** The utilities to be relocated are shown schematically on the project plans. The size, type, exact locations, and durations are to be determined by the utility companies. Coordination with the utilities, as well as providing elevation data for clearance to proposed work are considered the responsibility of the Contractor.





30. Can the distance from the project site for Special Specifications Item 102-16 “Note #9 Engineers Field Office”, Bid Item Construction Field Office (Medium), be increased from ¼ mile of the Project Site?
- i. **RESPONSE: Special Specification 102-16 “Note #9 Engineers Field Office” distance has been increased from ¼ mile from the project site to within One-Half (1/2) Mile of the project site. The location and facilities continue to be subject to the approval of the Engineer.**
31. Please confirm the quantity for Bid Item – Infiltrating Catch Basin is 74 each.
- i. **RESPONSE: The quantities are estimated quantities for bid comparisons. Exact constructed quantities may vary. Please note that Infiltrating Catch Basins will be installed as part of the Storm Drainage System as well as the Green Infrastructure portion of the project.**
32. Bid Proposal Item numbering is redundant with duplication of the Bid Item numbers in the first column.
- i. **RESPONSE: Please see revised Itemized Proposal forms included with this addendum. Note that the item numbering has been revised, so confirm which unit price being bid is placed with the appropriate Bid Item.**
33. Does Bid Item – Test Pit Conventional Excavation include the Temporary or Permanent Pavement Repair?
- i. **The Bid Item - Test Pit Conventional Excavation does not include the Temporary or Permanent Pavement Repair. That will be paid for under the appropriate Bid Item. Note that the Bid Item - Test Pit Vacuum Excavation includes the Temporary Pavement Repair.**
34. Special Technical Specifications Section 1560 Miscellaneous Concrete is listed in the Table of Contents but does not appear in the specifications or have a related bid Item. Is this used and how is it paid for?
- i. **RESPONSE: The Special Technical Specifications Table of Contents is revised to remove Section 1560 Miscellaneous Concrete. Bid Item Concrete Cradles and Encasements will be used in the event any miscellaneous concrete is required. See Revised Proposal form.**
35. Where are Stages 9, 10 and 11 for the Maintenance and Protection of Traffic Plans?
- i. **RESPONSE: Maintenance and Protection of Traffic Plan Stages 9, 10, and 11 were reserved for work that is no longer included in the contract and are therefore not required.**





36. Bid Items for the Lateral Connection Cleaning and Sanitary Sewer Lateral Television Inspection are bid at a per lineal foot price. There are variations for cleaning and inspections when done from the sewer main depending on the size of the main. Can the items be broken down depending on the size of the sewer main?
- i. **RESPONSE:** There is no requirement that the Lateral Connection Cleaning and Sanitary Sewer Lateral Television Inspection are done from the sewer main. There is no adjustment to the Bid Items.
37. What is the length of laterals to be lined under the Sewer Lateral/Sewer Main Connection Lining Bid Item, where are these laterals located, and can there be separate unit prices for each of the size sewer mains in the project?
- i. **RESPONSE:** The minimum length for each lateral to be lined is 18" from the sewer main into the lateral connection. The determination of which lateral connections that will be lined will be made during the cleaning and CCTV inspections and further refined during the Post CIPPL inspection. There will not be separate bid items for each of the various size sewer mains that may have the lateral connections lined.
38. What is the size of the Frontier Manhole to be installed on Pearl St and confirm who will be installing the manhole?
- i. **RESPONSE:** Any reference to the Frontier Contractor on Plan Sheet 89 – Frontier Communications Standard Details, refers to the Contractor who is the successful bidder for this project. The installation, including shop drawings, acquisition of all the materials including the conduits, manhole, pull line, concrete encasement, excavation and backfill, will be done by the Contractor, complete, under the Lump Sum Bid Item Frontier Conduit and Manhole. The interior dimensions of the manhole are approximately 6' long X 4' wide X 5' height with opening on each end to accommodate 4 – 4" ducts. The Temporary and Permanent Pavement Repairs will be paid for under the various unit prices for Temporary and Permanent Pavement Repair. Frontier will provide the 27" frame and cover, install the connections to the existing manholes in Whitney Av and Lincoln St as well as the communication cables. The removal of the existing conduits on Bradley St cannot be abandoned until replaced by the new conduits.



39. The page numbers in the Special Technical Specifications do not match the specification section being referenced.

**i. RESPONSE: Please revise page numbering as follows:**

- 1. Section 1505 Concrete Storm Structures pages 1505-01 to 1505-05**
- 2. Section 1509 Frontier Conduits and Manhole pages 1509-01 to 1509-02**
- 3. Section 1510 Alter Existing Manhole, Catch Basin, or Drop Inlet pages 1510-01 to 1510-03**
- 4. Section 1513 Tree Preservation pages 1513-01 to 1513-17**
- 5. Section 1516 Remove and Reset Brick Sidewalk pages 1516-01 to 1516-02**
- 6. Section 1560 Miscellaneous Concrete – Remove Section 1560 from Table of Contents**
- 7. Section 1575 Asphalt Adjustment Cost pages 1 to 2 – Add to Table of Contents**

**END OF ADDENDUM 3**

**ENCLOSURES:**

- Special Technical Specification 1575 – Asphalt Adjustment Cost
- URI/New Haven – Approved Trees for Planting in the Public Right of Way
- Revised “Itemized Proposal” forms.

## SECTION 1575

### ASPHALT ADJUSTMENT COST

#### PART 1 – GENERAL

##### 1.1 SUMMARY

- A. The Asphalt Adjustment Cost will be based on the variance in price for the performance-graded binder component of hot mix asphalt (HMA) Overlay, Skim Coat, and Permanent Pavement Trench Repairs completed and accepted during the Contract. The Asphalt Adjustment Factor is NOT used for Bid Items for Temporary Pavement, Bituminous Concrete Cold Patch, and Hybrid Asphalt Trench Repair.

**The Asphalt Price is available on the Department of Transportation website at:**

<http://www.ct.gov/dot/asphaltadjustment>

#### PART 2 – EXECUTION

##### 2.1 CONSTRUCTION METHODS

- A. An asphalt adjustment will be applied only if all of the following conditions are met:
1. *The total quantity for all HMA mixtures in the Contract or individual purchase order exceeds 1000 tons or the Project duration is greater than 6 months.*
  2. The difference between the posted *Asphalt Base Price* and *Asphalt Period Price* varies by more than \$5.00 per ton.
  3. Regardless of the binder used in all HMA, the Asphalt Adjustment Cost will be based on PG 64-22, New Haven, Connecticut.
  4. The Asphalt is installed as Permanent Pavement which includes the Bid Items for Bituminous Concrete Overlay, Bituminous Concrete Skim Coat, and Bituminous Concrete Trench Repair.
- B. The Connecticut Department of Transportation (CTDOT) will post on its website, the average per ton selling price (asphalt price) of the performance-graded binder. The average is based on the high and low selling price as posted by CTDOT during the month in which the Permanent Pavement is installed and accepted. Should the data not be posted or available from CT DOT, the data published by the most recent available issues of the **Asphalt Weekly Monitor**® furnished by Poten & Partners, Inc. under the “East Coast Market – New England, New Haven, Connecticut area,” F.O.B. manufacturer’s terminal for PG 64-22 will be used.

C. The selling price furnished from the Asphalt Weekly Monitor ® is based on United States dollars per standard ton (US\$/ST).

### PART 3 – MEASUREMENT

Formula: $HMA \times [PG\%/100] \times [(Period\ Price - Base\ Price)] = \$ \underline{\hspace{2cm}}$
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Where:

- **HMA:**
  1. For HMA mixtures with pay units of tons: The quantity in tons of accepted HMA mixture measured and accepted for payment.
  2. For HMA mixtures with pay units of square yards: The quantity of HMA mixture delivered, placed, and accepted for payment, calculated in tons as documented according to the Material Documentation provision of the HMA Specification.
- **Asphalt Base Price:** The asphalt base price for this project is set as **\$735.00/ST**.
- **Asphalt Period Price:** The average of the high and low asphalt price posted on the CTDOT website during the month the HMA mixture was placed and accepted.
- **PG%:** Performance-Graded Binder percentage
  1. For HMA mixes:
    - PG% = 4.5 for HMA S1
    - PG% = 5.0 for HMA S0.5
    - PG% = 6.0 for HMA S0.375, and HMA S0.25

The asphalt adjustment cost shall not be considered as a changed condition in the Contract as result of this provision since all bidders are notified before submission of bids.

### PART 4 – PAYMENT

- 4.1 The "Asphalt Adjustment Cost" will be calculated using the formula indicated above. A payment will be made for an increase in costs. A deduction from monies due the Contractor will be made for a decrease in costs.
- 4.2 The sum of money shown on the Estimate and in the itemized proposal as "Allowance" for this item will be considered the bid price although the adjustment will be made as described above. The allowance cost figure is not to be altered in any manner by the bidder. If the bidder should alter the Allowance amount shown, the bid may be considered invalid.

Item Number	Pay Item	Pay Unit
1575	Asphalt Adjustment Cost	Allowance

## URI / NEW HAVEN - Approved Trees for Planting in the Public Right of Way

Ask URI (203-432-6189, uri@yale.edu) for current availability

### Small Size Trees - Suitable for planting under utility wires

Street Tree	Sun Requirements	Showy Fall Color (foliage)	Particularly Good for Native Birds & Insects	Showy Flowers	North America Native (*native to Northeast)	Notes
Amur maackia	Full sun	No	No	Yes	No	Very hardy. Good for dense, urban sites.
Cherry	Full sun	Varies	Yes	Yes	No	
Crabapple	Full sun	Varies	Yes	Yes	No	
Dogwood, Cornelian cherry	Full sun, Part shade	Yes (red)	No	Yes	No	
Dogwood, Eastern flowering	Part shade, Full shade	Yes (purple, red)	No	Yes	Yes*	
Dogwood, Kousa	Full sun, Part shade	Yes (purple, red)	No	Yes	No	
Hawthorn	Full sun	Yes (purple, red, orange, yellow)	Yes	Yes	Yes*	
Hornbeam, American	Full sun, Part shade, Full shade	Yes (red, orange, yellow)	No	No	Yes*	
Japanese tree lilac	Full sun, Part shade	Yes (yellow)	No	Yes	No	Very hardy. Good for dense, urban sites.
Maple, trident	Full sun, Part shade	Yes (red, orange, yellow)	No	No	No	
Parrotia, Persian	Full sun	Yes (red, orange, yellow)	No	No	NO	
Redbud, Eastern	Part shade, Full shade	Yes (yellow)	No	Yes	Yes*	
Serviceberry	Full sun, Part shade, Full shade	Yes (red, orange)	Yes	Yes	Yes*	

**Medium Size Trees - SOMETIMES suitable for planting under high utility wires (case-by-case basis)**

Street Tree	Sun Requirements	Showy Fall Color (foliage)	Particularly Good for Native Birds & Insects	Showy Flowers	North America Native (* native to Northeast)	Notes
Black gum	Full sun, Part shade	Yes (red, orange, yellow)	No	No	Yes*	
Elm, lacebark	Full sun, Part shade, Full shade	Yes (orange, yellow)	No	No	No	Very hardy. Good for dense, urban sites.
Goldenrain tree	Full sun	Yes (yellow)	No	Yes	No	
Hophornbeam	Full sun, Part shade, Full shade	Yes (yellow)	No	No	Yes*	
Maple, miyabei	Full sun, Part shade	Yes (yellow)	No	No	No	
Pagoda tree	Full sun	No	No	Yes	No	
Turkish filbert	Full sun	No	No	No	No	
Yellowwood	Full sun	Yes (orange, yellow)	No	Yes	Yes	Best for large curb strips, front yard offsets, and parks
Zelkova	Full sun	Yes (red, orange, yellow)	No	No	No	Very hardy. Good for dense, urban sites.

**Large Size Trees - NOT suitable for planting under utility wires**

Street Tree	Sun Requirements	Showy Fall Color (foliage)	Particularly Good for Native Birds & Insects	Showy Flowers	North America Native (* native to Northeast)	Notes
Baldcypress	Full sun	Yes (orange, brown)	No	No	Yes	Best for large curb strips, front yard offsets, and parks
Buckeye, yellow	Full sun, Part shade	Yes (orange, yellow)	Yes	Yes	Yes	
Elm, American	Full sun, Part shade	Yes (yellow)	Yes	No	Yes*	
Elm, Morton	Full sun, Part shade	Yes (yellow)	No	No	No	

Street Tree	Sun Requirements	Showy Fall Color (foliage)	Particularly Good for Native Birds & Insects	Showy Flowers	North America Native (*native to Northeast)	Notes
Ginkgo	Full sun	Yes (yellow)	No	No	No	
Hackberry	Full sun, Part shade	Yes (yellow)	Yes	No	Yes*	
Hardy rubber tree	Full sun	No	No	No	No	
Honeylocust	Full sun	Yes (yellow)	No	No	Yes	Very hardy. Good for dense, urban sites.
Horsechestnut	Full sun	Yes (yellow)	No	Yes	No	Best for large curb strips, front yard offsets, and parks
Katsura tree	Full sun, Part shade	Yes (orange, yellow)	No	No	No	
Kentucky coffee tree	Full sun	Yes (yellow)	No	No	Yes	Best for large curb strips, front yard offsets, and parks
Linden, American	Full sun, Part shade	Yes (yellow)	Yes	No	Yes*	
Linden, littleleaf	Full sun	Yes (yellow)	No	No	No	
Linden, silver	Full sun	Yes (yellow)	No	No	No	
Maple, red	Full sun, Part shade	Yes (red, orange, yellow)	Yes	Yes	Yes*	
Maple, sugar	Full sun, Part shade	Yes (red, orange, yellow)	Yes	No	Yes*	Best for large curb strips, front yard offsets, and parks
Oak, chestnut	Full sun	Yes (yellow, brown)	Yes	No	Yes*	
Oak, English	Full sun	Yes (brown)	Yes	No	Yes*	
Oak, pin	Full sun	Yes (brown)	Yes	No	Yes*	
Oak, red	Full sun	Yes (red, brown)	Yes	No	Yes*	
Oak, scarlet	Full sun	Yes (red, brown)	Yes	No	Yes*	
Oak, swamp white	Full sun	Yes (yellow, brown)	Yes	No	Yes*	
Oak, white	Full sun	Yes (red, brown)	Yes	No	Yes*	
Planetree, London	Full sun	No	No	No	No	



Street Tree	Sun Requirements	Showy Fall Color (foliage)	Particularly Good for Native Birds & Insects	Showy Flowers	North America Native (*native to Northeast)	Notes
Sweetgum	Full sun, Part shade	Yes (purple, red, orange)	No	No	Yes*	
Tuliptree	Full sun	Yes (yellow)	Yes	Yes	Yes*	Best for large curb strips, front yard offsets, and parks

Project No. CWF 2012-04  
Yale Campus / Trumbull Street Area  
Sewer Separation Project Phase 2

**ITEMIZED PROPOSAL**

## **BIDDER'S CHECKLIST**

The following separate documents shall be completed and submitted with each Bid:

1. Itemized Proposal (Included with this Checklist)
2. Bid Security / Bond
3. Bidder's Statement of Qualifications Form (Included with this Checklist)
4. MBE/WBE Certification and Subcontractor Verification Form (Included with this Checklist)
5. DAS Pre-qualification Certification and Pre-qualification Update Bid Statement
6. American Iron and Steel Provisions - Bidder Certification (Included with this Checklist)
7. Contract Arborist Certification and Qualifications
8. Independent Land Surveyor for Construction Monitoring
9. Contractor's Engineer for Designing Trench / Utility Support Systems
10. Contractor Resumes
  - a. Project Manager
  - b. Full-time On-site Superintendent

**ITEMIZED PROPOSAL**

**For Constructing**

**PROJECT: CWF 2012-04**

**Yale Campus/Trumbull Street Area Sewer  
Separation Project: Phase 2  
Pearl Street / Lincoln Street / Bradley Street /  
Whitney Avenue / Sachem Street / Green  
Infrastructure at Various Locations,  
New Haven, Connecticut**

**The Contractor shall fully complete the work stipulated in the Contract Documents within FOUR HUNDRED EIGHTY-FIVE (485) consecutive calendar days following Notice to Proceed. The date for completion will be calculated from a date ten (10) days following the date of the Engineer's written notice to proceed.**

Greater New Haven Water Pollution Control Authority  
260 East Street  
New Haven, Connecticut 06511

To Whom it May Concern,

In submitting this bid, the duly authorized undersigned declares that the entity on behalf of which this bid is made is, or they are, the only person or persons interested in the said bid; that the bid is made without any connection with any person making another bid for the same contract; that the bid is in all respects fair and without collusion, fraud or mental reservation and that no official of the Greater New Haven Water Pollution Control Authority, or any person in the employ of the Authority is directly or indirectly interested in said bid or in the supplies or work to which it relates, or in any portion of the profits thereof.

The undersigned also hereby declares that they have, either for themselves or on behalf of the entity they represent, carefully examined the Plans, Specifications and Form of Contract for this Project, have personally inspected the actual location of the Work and have considered potential local sources of supply and are satisfied as to all the quantities and conditions and understands that, in signing this Proposal, they or the entity that they represent waives all rights to plead any misunderstanding regarding the same.

The undersigned further understands and agrees that they are to furnish and provide for the respective item price bid all the necessary material, machinery, implements, tools, labor, services and other item of whatever nature and to do and perform all the Work necessary under the aforesaid conditions, to complete the improvements of the Project, which Plans and Specifications it is agreed are a part of this Proposal and to accept, in full, compensation therefore the amount of the summation of the products of the approximate quantities multiplied by the unit prices bid. This summation will hereinafter be referred to as the gross sum bid.

The undersigned further agrees to accept the aforesaid unit bid prices in compensation for any additions or deductions caused by any variation in quantities due to more accurate measurement, or by any changes or alterations in the Plans or Specifications of the Work and for use in the computation of the value of the Work performed for monthly estimates.

The Bidder is required to calculate the value of the various bid items on the basis of reasonable labor, material, equipment, pro rata profit and pro rata overhead costs to perform the work described in the Contract Documents. An “unbalanced bid” is one containing lump sum or unit bid items, which do not reflect reasonable actual costs plus a reasonable proportionate share of the Bidder’s anticipated profit, overhead costs, and other indirect costs, which he/she anticipates for the performance of the items in question. Prior to award of bids, the Authority may request a Schedule of Values for any or all item(s) reflected on the Bid Proposal for the purpose of determining an “unbalanced bid”. The analysis shall be conducted by the Authority. The Bidder understands, by signing this Bid, that the Authority may REJECT any bid that has unit prices, which are, in the opinion of the Engineer, obviously unbalanced.

Every Proposal must be accompanied by a certified check or bank cashier’s check or bid bond payable to the Greater New Haven Water Pollution Control Authority in the amount of ten percent (10%) of the bid.

Accompanying this Proposal is a certified check or bank cashier’s check or bid bond payable to the Greater New Haven Water Pollution Control Authority in the amount of \$ \_\_\_\_\_. In case this Proposal shall be accepted by the Authority, and the undersigned shall fail to execute the Contract, the monies represented by such certified check or bank cashier’s check or bid bond shall be regarded as liquidated damages and shall be forfeited and become the property of the Authority. The undersigned understands and accepts:

- A. When Work is required in which no specific payment item is listed on the Proposal Form, the cost of such Work shall be included in the unit prices bid.
- B. All unit prices, lump sums, etc. listed in the bid Proposal are firm and not subject to change for one hundred - twenty (120) days from the day bids are opened.
- C. Within ten (10) days from the date of a notice of acceptance of this Proposal, the undersigned agrees to execute the Contract and to furnish to the Authority a satisfactory “Faithful Performance Bond” and “Labor and Material Payment Bond” in the amount of one hundred percent (100%) of the Contract price.
- D. Time is of the Essence. All Work to be performed under the Contract shall be completed within the time stated in the Agreement for the Project or within such extended time for completion as may be granted by the Authority.
- E. As a condition of the Contract Award, the successful Bidder shall provide proof, from the Connecticut Secretary of State’s office, of its current authorization to do business in Connecticut. All Connecticut corporations must provide a Certificate of Good Standing from the Secretary of State’s Office. All foreign (out of State) corporations shall provide a valid license to do business in Connecticut, in the form of a current Certificate of Authority from the Secretary of State’s office and evidence of compliance with the bond requirements of the Connecticut Department of Revenue Services. These documents must be presented within thirty (30) days from the date of bid opening.

Project No. CWF 2012-04  
Yale Campus / Trumbull Street Area  
Sewer Separation Project Phase 2

Bidder acknowledges receipt of the Addenda listed below and further acknowledges that the provisions of each Addendum have been included in the preparation of this bid.

<b>Addendum No.</b>	<b>Date Received</b>
<u>#1 – dated June 23, 2022</u>	_____
<u>#2 – dated July 01, 2022</u>	_____
<u>#3 – dated July 15, 2022</u>	_____
_____	_____

**COMPANY NAME (BIDDER):** \_\_\_\_\_

**Address of Bidder:** \_\_\_\_\_

\_\_\_\_\_

**Phone Number:** Area Code (\_\_\_\_\_) \_\_\_\_\_

I hereby sign this document acting within my authority as a duly authorized representative of the named Bidder. By signing below, I certify, acknowledge, and affirm that the information set forth in this document is true, accurate and complete to the best of my knowledge and belief.

**Signature of Bidder:** \_\_\_\_\_ **Dated:** \_\_\_\_\_

**Names and Addresses of Members of the Firm:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Corporate Seal)

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

**Schedule of Bid Items**

The quantities specified are approximate only as determined by the Engineer. They are included to provide the Bidder with an estimate of the materials required to complete the project and to provide a uniform basis for the comparison of bids. The Authority reserves the right to REJECT any proposal in which any of the bid prices are significantly unbalanced to the potential detriment of the Authority. **The Contractor shall be required to submit a Schedule of Values for all Lump Sum Items prior to the start of construction.** The Authority shall reserve the right to increase or decrease the actual quantities required, or to delete them entirely, at the time the Contract is awarded, or at any time thereafter, without prejudice towards the quoted bid price per unit, if to do so is in the Authority's best interest.

**Refer to 102-16 Special Specification and Notes for modifications to specifications.**

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Quantity	Unit	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
1	201.01		1	LS	CLEARING AND GRUBBING THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
2	201.02		1	EA	REMOVAL OF EXISTING TREE (3" TO 6" CALIPER) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
3	201.04		1	EA	REMOVAL OF EXISTING TREE (10" TO 16" CALIPER) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
4	201.05		3	EA	REMOVAL OF EXISTING TREE (16" TO 24" CALIPER) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
5	201.06		2	EA	REMOVAL OF EXISTING TREE (24" TO 36" CALIPER) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
6	202.04		25	SY	REMOVAL OF CONCRETE SIDEWALK AND DRIVEWAY RAMP THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
7	205.01		14,000	CY	TRENCH EXCAVATION - EARTH THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
8	205.02		1,400	CY	TRENCH EXCAVATION - ROCK (INCLUDING REMOVAL OF CONCRETE PAVEMENT) THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
9	205.03		1,000	CY	TRENCH EXCAVATION - UNSUITABLE THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
10	205.05		400	CY	TEST PIT - CONVENTIONAL EXCAVATION THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____



Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
11	205.06		40 EA	TEST PIT - VACUUM EXCAVATION THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
12	209		5,100 SY	FORMATION OF SUBGRADE THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
13	210		1 LS	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
14	210.10		485 DAY	MECHANICAL STREET SWEEPING THE PRICE PER DAY OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
15	213		1,000 CY	GRAVEL FILL THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
16	304		1,800 CY	PROCESSED AGGREGATE BASE THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
17	217.01		3,200 CY	BEDDING MATERIAL - SELECT FILL THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
18	217.02		700 CY	BEDDING MATERIAL - 3/4" CRUSHED STONE THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
19	220		2,100 CY	CONTROLLED LOW STRENGTH MATERIAL THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
20	405.02		17,000 SY	BITUMINOUS CONCRETE MILLING (0"-2") THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
21	406.01		2,000 TON	BITUMINOUS CONCRETE OVERLAY, HMA S0.5 LEVEL 2, THICKNESS 2" THE PRICE PER TON OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
22	406.02		300 TON	BITUMINOUS CONCRETE SKIM COAT, HMA S0.5 LEVEL 2 THE PRICE PER TON OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

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 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
23	407.01		3,400 SY	TEMPORARY PAVEMENT TRENCH IN ROADWAYS, HMA S0.5, THICKNESS 2" THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
24	407.02		1,500 SY	TEMPORARY PAVEMENT TRENCH IN ROADWAY (COLLECTOR), HMA S0.5, THICKNESS 4" (2 - 2" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
25	407.03		100 SY	TEMPORARY PAVEMENT FOR SIDEWALK AND DRIVEWAY, HMA S0.5 ON COMPACTED TRENCH BACKFILL, THICKNESS 2", THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
26	407.10		3,400 SY	BITUMINOUS CONCRETE TRENCH REPAIR HMA S0.5 LEVEL 2, THICKNESS 4" (2 - 2" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
27	407.11		1,500 SY	BITUMINOUS CONCRETE TRENCH REPAIR (COLLECTOR), HMA S0.5 LEVEL 2, THICKNESS 3" (2-1 1/2" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
28	407.40		1,500 SY	BITUMINOUS CONCRETE TRENCH REPAIR (COLLECTOR), HMA S1.0 LEVEL 2, THICKNESS 6" (2-3" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
29	407.42		1,500 SY	BITUMINOUS CONCRETE TRENCH REPAIR (COLLECTOR), HMA S1.0 LEVEL 2, THICKNESS 9" (2-4 1/2" COURSES) THE PRICE PER SQUARE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
30	407.60		300 SY	BITUMINOUS CONCRETE COLD PATCH, THICKNESS 2" THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
31	407.70		300 SY	HYBRID ASPHALT TRENCH REPAIR, THICKNESS 2" THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
32	407.80		50 SY	UTILITY TRENCH COURSE (LOCAL), HMA S0.5, THICKNESS 4" (2 - 2" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
33	407.81		30 SY	UTILITY TRENCH COURSE (COLLECTOR), HMA S0.5, THICKNESS 3" (2 - 1.5" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
34	407.82		30 SY	UTILITY TRENCH COURSE (COLLECTOR), HMA S1.0, THICKNESS 6" (2 - 3" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
35	407.83		30 SY	UTILITY TRENCH COURSE (COLLECTOR), HMA S1.0, THICKNESS 9" (2 - 4 1/2" COURSES) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
36	512.01		320 LF	SANITARY SEWER 12" PVC THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
37	512.03		100 LF	SANITARY LATERAL REPAIR AND/OR RELOCATION, 4" AND 6" INCLUDING FITTINGS AND CHIMNEYS, THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
38	512.04		100 LF	SERVICE CHIMNEYS THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
39	512.05		50 CY	CONCRETE CRADLES AND ENCASEMENT THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
40	512.06		5 EA	SANITARY SEWER CLEAN OUT FRAME AND COVER (SD512-02) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
41	512.07		5 EA	SANITARY SEWER CLEAN OUT (SD512-03) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
42	512.08		5 EA	SANITARY SEWER BACKWATER VALVE (SD512-06) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
43	516		1 LS	TEMPORARY BYPASS PUMPING SYSTEMS THE PRICE PER LUMP SUM OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
44	518.01.1		1,200 LF	SANITARY SEWER HYDRAULIC CLEANING (LIGHT) 12" VCP THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
45	518.01.2		2,100 LF	SANITARY SEWER HYDRAULIC CLEANING (LIGHT) 15" VCP THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
46	518.01.3		485 LF	SANITARY SEWER HYDRAULIC CLEANING (LIGHT) 18" X 10" RCP HORSESHOE THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
47	518.01.4		300 LF	SANITARY SEWER HYDRAULIC CLEANING (LIGHT) 24" X 15" RCP EGG THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
48	518.01.5		1,140 LF	SANITARY SEWER HYDRAULIC CLEANING (LIGHT) 32" X 24" BRICK HORSESHOE THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
49	518.02.1		150 LF	SANITARY SEWER HYDRAULIC CLEANING (HEAVY) 12" VCP THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
50	518.02.2		250 LF	SANITARY SEWER HYDRAULIC CLEANING (HEAVY) 15" VCP THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
51	518.02.3		60 LF	SANITARY SEWER HYDRAULIC CLEANING (HEAVY) 18" X 10" RCP HORSESHOE THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
52	518.02.4		40 LF	SANITARY SEWER HYDRAULIC CLEANING (HEAVY) 24" X 15" RCP EGG THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
53	518.02.5		14 LF	SANITARY SEWER HYDRAULIC CLEANING (HEAVY) 32" X 24" BRICK HORSESHOE THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
54	518.04		100 LF	LATERAL CONNECTION CLEANING THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
55	520.01.1		1,200 LF	12" VCP SANITARY SEWER CIPP LINING THE PRICE LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
56	520.01.2		2,100 LF	15" VCP SANITARY SEWER CIPP LINING THE PRICE LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
57	520.01.3		485 LF	18" X 10" RCP HORSESHOE SANITARY SEWER CIPP LINING THE PRICE LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
58	520.01.4		300 LF	24" X 15" RCP EGG SANITARY SEWER CIPP LINING THE PRICE LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
59	520.01.5		1,150 LF	32" X 24" BRICK HORSESHOE SANITARY SEWER CIPP LINING THE PRICE LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
60	520.10		160 EA	RE-ESTABLISH HOUSE SERVICE CONNECTION THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
61	520.11		70 EA	CUT PROTRUDING (CLAY/PLASTIC/CAST IRON) TAPS THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
62	520.12		30 EA	SEWER LATERAL / SEWER MAIN CONNECTION LINING THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
63	521.01		20 LF	SANITARY SEWER POINT REPAIRS 12" VCP THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
64	521.02		60 LF	SANITARY SEWER POINT REPAIRS 15" VCP THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
65	521.03		40 LF	SANITARY SEWER POINT REPAIRS 32" X 24" BRICK HORSESHOE THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
66	522.01		3,300 LF	SANITARY SEWER TELEVISION INSPECTION (<=18") THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
67	522.02		1,450 LF	SANITARY SEWER TELEVISION INSPECTION (>18") THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
68	522.03		50 LF	SANITARY SEWER LATERAL TELEVISION INSPECTION THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
69	523.01		20 VF	SANITARY SEWER MANHOLE - 48" DIAMETER THE PRICE PER VERTICAL FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
70	523.02		10 VF	STANDARD SANITARY DOGHOUSE MANHOLE - 48" DIAMETER THE PRICE PER VERTICAL FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
71	523.05		33 EA	CONVERSION - SANITARY SEWER MANHOLE - NEW FRAME AND COVER THE PRICE EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
72	586.01.2		1 EA	CONVERT EXISTING CATCH BASIN TO OVERFLOW BASIN THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
73	586.01.3		5 EA	CONVERT EXISTING CATCH BASIN TO INFILTRATING CATCH BASIN THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
74	586.02.1		22 EA	MANHOLE (4 FT DIAMETER) - 0' - 10' DEEP THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
75	586.02.2		17 EA	MANHOLE (5 FT DIAMETER) - 0' - 10' DEEP THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
76	586.02.3		8 EA	MANHOLE (6 FT DIAMETER) - 0' - 10' DEEP THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
77	686.01		825 LF	15" RCP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
78	686.02		330 LF	18" RCP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
79	686.03		930 LF	24" RCP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
80	686.04		410 LF	30" RCP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
81	686.05		1,250 LF	36" RCP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
82	686.06		980 LF	42" RCP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
83		686.07	80 LF	18" DIP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
84		686.08	40 LF	30" DIP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
85		686.09	450 LF	36" DIP STORM CULVERT THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
86	713		50,000 SF	PERMANENT STEEL SHEET PILING THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
87	714		5,000 SF	TEMPORARY SHEET PILING THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
88		813	200 LF	GRANITE STONE CURBING THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
89		814	500 LF	RESET STONE CURBING THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
90	921.01		3,100 SF	CONCRETE SIDEWALK THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
91	921.02		500 SF	CONCRETE DRIVEWAY THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
92	921.03		1,750 SF	CONCRETE HANDICAPPED RAMP THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
93	927		100 SY	DRIVEWAY RESTORATION (BITUMINOUS CONCRETE) THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
94	942		4 TON	CALCIUM CHLORIDE FOR DUST CONTROL THE PRICE PER TON OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____



Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
95		944		FURNISHING AND PLACING TOPSOIL 4" THICKNESS THE PRICE PER SQUARE YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			100 SY		
96		949.10		PLANTING PLANS (SHADE) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			15 EA		
97		949.11		PLANTING PLANS (SUN) THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			15 EA		
98		949.12		SMALL TREE (3" CALIPER) FROM CITY OF NEW HAVEN'S APPROVED TREE LIST THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			25 EA		
99		949.13		MEDIUM TREE (3" CALIPER) FROM CITY OF NEW HAVEN'S APPROVED TREE LIST THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			10 EA		
100		949.14		LARGE TREE (3" CALIPER) FROM CITY OF NEW HAVEN'S APPROVED TREE LIST THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			25 EA		
101		971.1		MAINTENANCE AND PROTECTION OF TRAFFIC THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			1 LS		
102		975		MOBILIZATION (NTE 3% OF TOTAL PRICE EXCLUDING MOBILIZATION) THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			1 LS		
103		985		PROJECT SURVEY AND STAKEOUT (INCLUDING "AS-BUILT" RED LINES) THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			1 LS		
104		1111.02		LOOP DETECTOR SAW CUT (INCLUDING ENCASED #14 STRANDED WIRE, ETC) THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			100 LF		
105		1208.1		SIGN FACE - SHEET ALUMINUM THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			240 SF		
106		1209.05		PAVEMENT MARKINGS (THERMOPLASTIC), 12" WIDE, WHITE OR YELLOW THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			1,300 LF		

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Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
107		1209.06		PAVEMENT MARKINGS (THERMOPLASTIC), SYMBOLS, AND LEGENDS THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			4,400 SF		
108		1210.01		PAVEMENT MARKINGS (EPOXY RESIN), 4" WIDE, WHITE OR YELLOW OR BLUE THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			5,580 LF		
109		1210.02		PAVEMENT MARKINGS (EPOXY RESIN), 12" WIDE, WHITE OR YELLOW THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			2,020 LF		
110		1210.03		PAVEMENT MARKINGS (EPOXY RESIN), SYMBOLS, AND LEGENDS THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			3,000 SF		
111		1220.00		CONSTRUCTION SIGNS THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			150 SF		
112	1500.0			UNIFORMED MUNICIPAL POLICE OFFICERS AND FLAGGER AN ALLOWANCE OF \$ ONE MILLION - FOUR HUNDRED THOUSAND DOLLARS AND _____ NO _____ CENTS (\$ _____ \$1,400,000.00)	\$ 1,400,000.00
			1 Allow		
113	1505.1			SPECIAL PRECAST CONCRETE STRUCTURE No. 1 THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			1 LS		
114	1506.1			ABANDONING PIPE IN PLACE (4" TO 10" ID) THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			200 LF		
115	1506.2			ABANDONING PIPE IN PLACE (12" TO 15" ID) THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			330 LF		
116	1506.5			REMOVAL/RESTORATION OF ELECTRICAL/TELEPHONE CONDUITS AND WIRING THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			50 LF		
117	1507.1			6" PVC STORM LATERAL THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			100 LF		
118	1507.2			10" HDPE STORM LATERAL THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
			780 LF		

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Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
119	1507.3		112 LF	12" PVC STORM LATERAL THE PRICE PER LINEAR FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
120	1509		1 LS	FRONTIER CONDUIT AND MANHOLE THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
121	1510.1		3 EA	ALTER EXISTING MANHOLE, CATCH BASIN OR DROP INLET THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
122	1513.1		1 LS	TREE PRESERVATION THE LUMP SUM PRICE OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
123	1516		65 SF	REMOVE AND RESET/REPLACE BRICK SIDEWALK THE PRICE PER SQUARE FOOT OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
124	1521.1		15 EA	STANDARD 15' X 5' BIOSWALE WITH GRANITE CURB EDGING AND FENCING THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
125	1521.2		7 EA	STANDARD BIOSWALE BUMP OUT THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
126	1521.3		7 EA	BIOSWALE BUMP OUT FENCING - POST AND CHAIN WITH BASES THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
127	1521.4		20 CY	REMOVAL OF EXISTING SOIL THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
128	1521.5		20 CY	BIOSWALE SOIL MIX THE PRICE PER CUBIC YARD OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
129	1575		1 ALLOW	ASPHALT ADJUSTMENT COST AN ALLOWANCE OF \$ TWENTY THOUSAND DOLLARS AND _____ NO _____ CENTS (\$ 20,000.00)	\$ 20,000.00
130	1586		74 EA	INFILTRATING CATCH BASIN THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

Project No. CWF 2012-04  
 Yale Campus/Trumbull Street Area  
 Sewer Separation Project Phase 2

Item #	GNHWPCA Form 818 Spec Ref	Est Spec Ref	Unit Quantity	Brief Description: Unit or Lump Sum Bid (in both words and figures)	Extended Total in Figures
131	1599		30 MO	CONSTRUCTION FIELD OFFICE (MEDIUM) THE PRICE PER MONTH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
132	1600.1		10 EA	TEMPORARY UTILITY POLE SUPPORT THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____
133	1600.2		2 EA	TEMPORARY SIGNAL SPAN POLE SUPPORT THE PRICE PER EACH OF \$ _____ DOLLARS AND _____ CENTS (\$ _____)	\$ _____

**TOTAL BID SUM**

\$ \_\_\_\_\_ Dollars  
 and \_\_\_\_\_ Cents \$ \_\_\_\_\_

**In submitting this Bid, the Bidder understands that the Authority reserves the right to reject any and all bids, or to waive any informality in the submitted bid documents.**

Signature of Bidder \_\_\_\_\_  
 Printed Name \_\_\_\_\_  
 Name of Firm \_\_\_\_\_

**STATEMENT OF BIDDER'S QUALIFICATIONS**

(To be submitted by the Bidder with the Bid)

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information they desire.

1. Name of Bidder \_\_\_\_\_
2. Bidder's Tax Identification Number: \_\_\_\_\_
3. Permanent Main Office Address: \_\_\_\_\_
4. When Organized: \_\_\_\_\_
5. If a Corporation, where incorporated: \_\_\_\_\_ Date of Incorporation: \_\_\_\_\_
6. If other than a Corporation or Partnership, describe Organization and name Principals:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Number of years engaged in construction under present firm or trade name: \_\_\_\_\_ Number of years General Contractor \_\_\_\_\_

8. Contracts on hand:

<u>Project Name</u>	<u>Owner</u>	<u>Arch/Engr.</u>	<u>Contract Amount</u>	<u>Contract Date</u>	<u>Percent Complete</u>	<u>Scheduled Completion</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

9. General character of work performed by your firm:

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10. Percent of work normally performed with your own forces:

<u>Trade</u>	<u>Percent</u>	<u>Trade</u>	<u>Percent</u>	<u>Trade</u>	<u>Percent</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

11. Have you ever failed to complete any work awarded to you? If so, where and why:

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12. Have you ever defaulted on a Contract? If so, where and why:

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CWF Project No. 2012-04  
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13. List the more important contracts completed by you within the past 5 years:

<u>Trade</u>	<u>Percent</u>	<u>Trade</u>	<u>Percent</u>	<u>Trade</u>	<u>Percent</u>

14. List major equipment available for this contract:

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15. Experience in work similar in importance to this project:

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16. Background and experience of the principal members of your organization, including the officers:

<u>Individual's Name</u>	<u>Construction Experience/Yrs.</u>	<u>Present Position Years Experience</u>	<u>Responsibility</u>	<u>Previous Position Years Experience</u>

17. Name and background of superintendent who will have principal on-site responsibility for this project:

<u>Individual's Name</u>	<u>Similar Project Experience</u>	<u>Dollar Value</u>	<u>Responsibility</u>

18. List States and Categories in which your Organization is legally qualified to do business:


19. Give bank and trade references:

<u>Bank</u>	<u>Trade</u>

20. Name of Bonding and Insurance Companies and Names and Addresses of Agents:




21. Upon request by the Owner, the undersigned agrees to furnish, if being considered for award of contract for the project upon which a Bid Proposal has been submitted, within 48 hours after the Bid Opening, a current Statement of Financial Conditions, including Contractor's latest regular dated financial statement or balance sheet which must contain the following items:

Current Assets: (Cash, joint venture accounts, accounts receivable, notes receivable, accrued interest on notes, deposits and materials and prepaid expenses), net fixed assets and other assets.

Current Liabilities: (Accounts payable, notes payable, accrued interest on notes, provision for income taxes, advances received from owners, accrued salaries, accrued payroll taxes), other liabilities and capital (capital stock, authorized and outstanding shares par values, earned surplus).

22. The undersigned hereby authorizes and requests any persons, firm, or corporation to furnish any information requested by the Greater New Haven Water Pollution Control Authority in verification of the recitals comprising this statement of the Bidder's qualifications.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_  
(Name of Bidder)

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

State of \_\_\_\_\_ )

) ss.

County of \_\_\_\_\_ )

\_\_\_\_\_, being duly sworn, deposes and says that he/she is \_\_\_\_\_ of \_\_\_\_\_ and that he/she answers to the foregoing questions and all statements therein are true and correct.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_  
Notary Public

My Commission Expires \_\_\_\_\_

## Clean Water Fund Memorandum (2019-003)

### Disadvantaged Business Enterprise (DBE) Subcontractor Participation on Clean Water Fund (CWF) Projects for Construction Projects

#### I. PURPOSE

The municipality, through its prime contractor must make specified good faith efforts to attain the DBE goals as specified in this document in Section III. This is an administrative condition of the U.S. Environmental Protection Agency (EPA) Grant which funds CWF projects.

This memorandum supersedes the **Clean Water Fund Memorandum (2016-003)**

#### II. GOVERNING STATUTE OR REGULATION

**General Compliance (Federal), 40 CFR, Part 33:** The municipality, through its prime contractor must comply with the requirements of EPA's Program for Utilization of DBEs.

#### III. EPA REQUIREMENTS

The following clause shall be included in all construction contract documents and amendments for goods and services to be funded under the CWF:

The requirement for DBE subcontractor participation, expressed as a percentage of the total eligible contract amount, shall be a minimum of 8.0 percent with the following makeup:

**Minority Business Enterprise (MBE): 3.0 percent**

**Woman Business Enterprise (WBE): 5.0 percent**

Failure to meet or exceed the required percentage or submit acceptable documentation of the six good faith efforts may render a bid non-responsive and may cause the bid to be rejected.

#### IV. THE SIX GOOD FAITH EFFORTS AS SPECIFICALLY DEFINED BY EPA

The Six Good Faith Efforts are required methods employed by all Connecticut Department of Energy and Environmental Protection (DEEP) CWF recipients to ensure that all DBEs have the opportunity to compete for procurements funded by DEEP financial assistance dollars. The prime contractor is expected to employ the six good faith efforts throughout the entire project to insure that the DBE percentages are maintained or exceeded in the event that one DBE subcontractor needs to be substituted for another.

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.

2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
5. Use the services and assistance of the Small Business Administration (SBA) (Federal) and the Minority Business Development Agency of the Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.

The prime contractor's certification as a DBE has no effect on this requirement. Therefore, if the prime contractor is a DBE, the Six Good Faith Efforts defined above must be employed in the procurement of subcontracts to be secured to achieve the MBE 3.0% and WBE 5.0% participation.

## V. CERTIFICATION

A DBE must be certified at the time that the subcontract for their services is executed. A business that is pending new certification, recertification, or whose certification has expired **cannot** be counted toward the goals.

In the case where a subcontractor DBE is certified as both a MBE and a WBE (a woman who is also a member of a minority class):

1. The prime contractor may count the entire value of the subcontract as either a MBE or a WBE.
2. The prime contractor may choose to split the subcontract between the MBE and the WBE categories to fulfill both goals. If the prime contractor chooses this route:
  - a. They must indicate the dollars to be apportioned to the categories either on the face of the copy of the fully executed subcontract submitted to the Connecticut Department of Energy and Environmental Protection (DEEP) or by some other written method.
  - b. The certification submitted to DEEP must indicate that the principal of the subcontractor is both a woman and a minority.
  - c. For a certification that only identifies the subcontractor as a DBE, additional documentation is required as proof of dual status. In the case of Connecticut Department of Transportation (CTDOT), the detailed information page within their online database suffices as proof.

## VI. ACCEPTABLE CERTIFICATION OPTIONS

1. **Connecticut Department of Administrative Services (DAS)** - DEEP will continue to accept DAS certification until such time as other State entities are identified whose certification processes meet the EPA criteria. DAS will only certify Connecticut based firms that meet the criteria under Connecticut General Statute 4a-60g.
2. **CTDOT** - Companies that desire to do business with CTDOT as well as the DEEP should seek CTDOT certification which will be accepted by the DEEP. DBE firms are advised that the certification process can take 90 days to complete. CTDOT will certify both in state as well as out of state firms.

3. **EPA** - In the event an entity cannot be certified by CTDOT as a DBE, that entity should seek certification with EPA. Such entities must provide EPA with evidence from CTDOT denying certification.
4. **SBA** - Certification is available to companies under the Woman Owned Small Business (WOSB) program and the SBA 8(a) Business Development Program ([www.sba.gov/8abd/](http://www.sba.gov/8abd/)) which has a net worth ceiling of \$250,000 for initial applicants.
5. **Other states certification** - Prime contractors may utilize certification from other states. Such certification must specify the DBE designation. Where there is no DBE certification option within a state, the instance must be presented to the DEEP Financial Administrator assigned to the project for consideration on a per case basis.

## **VII. DBE COMPLIANCE PROCESS**

1. Within fourteen (14) calendar days after bid opening the prime contractor (apparent low bidder) shall complete and submit two copies of the DEEP Subcontractor Verification Form along with the DBE certification for each subcontractor to the municipality. The municipality must then submit one copy of these documents to DEEP as part of the authorization to award request.
2. Once DEEP authorizes the municipality to award the contract, the prime contractor is required to submit two copies of the executed DBE subcontracts to the municipality who submits one copy to the DEEP Financial Administrator.
3. No payment requests will be processed by DEEP until the executed copies of the subcontracts and the DBE certifications are on file in the DEEP office.
4. Should the prime contractor not meet the goals, documentation of good faith efforts will be required to be submitted to the DEEP Municipal Facilities Wastewater Engineer for consideration that the good faith effort was extensive enough to warrant the acceptance of a lower goal for the specific contract in question.
5. In the event that a DBE subcontractor is substituted for another during the project, two copies of the executed subcontract along with the corresponding DBE certification for the substitute are submitted to the municipality who forwards one copy of each to the DEEP Financial Administrator.
6. If additional construction costs are approved by DEEP, the prime contractor employs the good faith efforts defined above to meet the goals for the new total eligible contract amount.

## **VIII. DAS PREQUALIFICATION CERTIFICATION FOR DBE SUBCONTRACTORS**

At time that the prime contractor submits copies of the executed DBE subcontracts to the municipality, two copies of the current DAS Prequalification Certificate for each DBE subcontractor whose subcontract value is equal to or greater than \$500,000 must also be submitted. In turn, the municipality is required to submit one copy of each DBE Prequalification Certification to the DEEP Financial Administrator. Suppliers of material or products who do not do installation or construction work are not subject to the DAS Construction Contractor prequalification requirement.

## **IX. SUBMISSION OF THIS FORM**

This form is to be signed by the contractor or the contractor's authorized representative. The form is then submitted to the municipality's representative for signature. The municipality includes the form as part of the authorization to award request to DEEP.

I hereby verify that I have read and understand the DBE requirements in this memorandum and will procure subcontracts whose percentages will meet or exceed the minimums listed above.

Contract Name \_\_\_\_\_

Name of Prime Contractor \_\_\_\_\_

Name and Title of Authorized Officer \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Town Official and Title \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

## X. DEFINITIONS

CGS: Connecticut General Statutes

CTDOT: Connecticut Department of Transportation

CWF: Clean Water Fund

DAS: Connecticut Department of Administrative Services

DBE: Disadvantaged Business Enterprise

DEEP: Connecticut Department of Energy and Environmental Protection

EPA: Environmental Protection Agency (Federal)

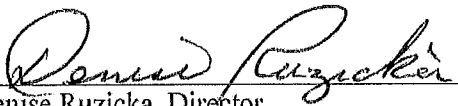
MBE: Minority Business Enterprise

SBA: Small Business Administration (Federal)

WBE: Woman Business Enterprise

WOSB: Woman Owned Small Business (Federal program - SBA)

June 19, 2019  
Date

  
Denise Ruzicka, Director  
Water Planning and Management Division  
Bureau of Water Protection & Land Reuse

# Disadvantage Business Enterprise (DBE)

## Subcontractor Verification Form

**Note to general contractor:** You are required to complete this form for each DBE (MBE or WBE) subcontractor to be employed in the completion of this contract, and submit an original of each completed form, along with each subcontractor's current, valid DBE certification, to the municipality within 14 days of bid opening. Failure to submit this form and the DBE certification within 14 days of bid opening may render your bid non-responsive and result in the rejection of your bid.

Name of subcontractor: \_\_\_\_\_

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

Contact person: \_\_\_\_\_

Phone number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Is the subcontractor a  MBE or  WBE?

Type of work to be performed \_\_\_\_\_

Estimated dollar amount of subcontract: \$ \_\_\_\_\_

Percent of total contract \_\_\_\_\_%

Please attach a current, valid copy of the subcontractor's DBE certification form to this document.

The completion and submission of this form does not constitute a contractual agreement between the general contractor and the named subcontractor, but is solely for documenting proposed compliance with DBE participation under the Department of Energy and Environmental Protection's (DEEP) Clean Water Fund (CWF). Should another subcontractor be substituted in place of the firm named above, both the municipality and the DEEP (Clean Water Fund Unit, 79 Elm Street, Hartford 06106-5127) should be notified in writing within three (3) business days of the change, and a copy of this form must be completed for the replacement subcontractor. The DBE percentages shall be maintained or exceeded in the event of one subcontractor being substituted for another.

Contract name: \_\_\_\_\_

Prime contractor company name: \_\_\_\_\_

Prime contractor authorized signature: \_\_\_\_\_ Date: \_\_\_\_\_

## American Iron and Steel Provisions - Bidder Certification

The Bidder ("Contractor") acknowledges to and for the benefit of the Greater New Haven Water Pollution Control Authority ("Purchaser") and the State of Connecticut ("State") that it understands the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as "American Iron and Steel;" that requires all of the iron and steel products used in the project to be produced in the United States ("American Iron and Steel Requirement") including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense or cost (including without limitation attorney's fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

Please Print

Bidder (Contractor):

By:

\_\_\_\_\_  
Name of Contractor (Company)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Address

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
City/State/Zip Code

\_\_\_\_\_  
Date