

BID # 20-3

UNDERGROUND UTILITY SERVICE CONTRACT

SECTION "C" SPECIFICATIONS

OWNER

Board of Trustees
Middlesex County College
2600 Woodbridge Avenue
P.O. Box 3050
Edison, New Jersey 08818-3050

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SECTION "C" - DETAILED TECHNICAL PROVISIONS

TABLE OF CONTENTS

| <u>SECTION</u> | <u>TITLE</u> | <u>PAGE</u> |
|----------------|------------------------------|-------------|
| 1. | Scope of Work | C-1 |
| 2. | Materials | C-2 |
| 3. | Installation/Execution | C-3 |
| 4. | Qualifications | C-3 |
| 5. | Site Clean-Up | C-3 |
| 6. | Time Constraints..... | C-4 |
| 7. | Work Hours | C-4 |
| 8. | Guarantee..... | C-5 |
| 9. | Additional Information | C-5 |

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1. SCOPE OF WORK

The purpose of these specifications is the completion of a service type contract for a twelve (12) month period for **emergency underground** utility repairs. After the execution of the contract, the Contractor shall provide emergency, services defined by plans and/or narrative issued for each job, based on unit bid prices as requested by the College. Invoices will be paid using the costs bid. All invoices must have supporting documentation attached. This work will be performed at the main Middlesex County College campus in Edison, New Jersey.

This contract is not intended to cover large capital projects which may include work on the College's site utilities during this service contract period. This contract may include requests for Maintenance work and small jobs initiated in the form of a request for a not-to-exceed cost from the College's Facilities Management Department. Additional non-emergency related repair/maintenance projects are not exclusively covered by this contract, the College will solicit additional contractor proposals.

The facilities owned by Middlesex County College related to this contract include only underground utilities consisting of a main domestic water distribution system with fire hydrants, storm and sanitary sewers, and hot water piping.

GENERAL CONDITIONS FOR WATER MAIN REPAIRS:

- The contractor shall provide all equipment required to repair an underground water main break including but not limited to excavating equipment, road/concrete cutting equipment, materials handling equipment and applicable transportation equipment to provide the services for general excavation work.
- Proper Safety practices and procedures with respect OSHA access and egress and general trenching and excavation rules on sloping, shoring and shielding shall be followed during excavation/repair process.
- The College has water mains that range in size from 2"-12" and they are located at depths. between 4'-16' feet deep. The College has ductile iron piping, concrete lined ductile iron, transite pipe, SDR PVC type pipe, C-900 PVC types as well as some existing terracotta and fiberglass types of pipe throughout the Campus.
- Contractor shall see that no hole or excavated site shall be left unattended, proper lights and barricades, or fencing shall be used prior to leaving the site and a temporary patch or road plate shall be installed before leaving any excavation site on a roadway or pedestrian path on premises.
- All small hand tools and traffic safety cones are included in the lump sum cost.
- Underground Excavation(s) (Standard Excavation) up to 10' are based upon the use of a Case 580 Backhoe or equivalent. Excavations that are exceed 10' and up to 16' would require additional type of excavation equipment.*

2. MATERIALS

The materials used under this contract shall be of a quality acceptable to the College and meet applicable codes. Materials include any underground pipes (from 2" and up, to 12"), including fiberglass hot water insulated piping, fittings, clamps, and any related hardware associated with domestic water line repairs, as well as fill material, stone, bituminous pavement, and concrete which may be used to set, stabilize and or backfill any excavated sites. Materials shall be billed at cost plus the markup on the bid sheet.

3. INSTALLATION/EXECUTION

Plan of the systems throughout the campus shall be provided by the College to the Contractor when available and requested by the Contractor. The accuracy of this information is not guaranteed by the College. It shall be the responsibility of the Contractor to verify this information and be fully familiar with the equipment and systems on campus and to proceed with all work in a safe and cost effective manner.

All work shall be performed by skilled mechanics in a workmanlike manner typical of the trades involved. No work shall be performed under conditions unsuitable for best results. Proper care shall be taken to protect all areas surrounding the work area so as not to cause damage.

4. QUALIFICATIONS

The Contractor shall include in the bid, verification that the work will be performed by mechanics properly trained for the work required and licensed if required by the State of New Jersey. The Contractor must also provide or have ready access to all necessary excavating, plumbing, leak detection or any associated equipment required for emergency or normal maintenance repairs.

The Contractor shall include in the bid a listing of a minimum of five (5) projects and/or service contracts similar in scope to this contract which have been successfully completed or currently in existence. The listing must include the firms for which the service was performed, a description of the work and the name and phone number of a reference for each who may be contacted by the College.

5. SITE CLEANUP

The Contractor shall be responsible for keeping the premises free from accumulation of water materials and rubbish and for the removal of waste materials from the campus each time service is performed.

For any excavation/trenching work required, the Contractor will compact and back-fill in appropriate 8" lifts as required using a vibratory compacting piece of equipment. Middlesex County College will provide and install topsoil and grass seeding.

6. TIME CONSTRAINTS

Pursuant to N.J.S.A.18A:64A-25.18, the College shall award the contract or reject all bids within 60 days from the opening of the bids. The contract shall cover three (3) one (1) year time periods beginning with the base period from date of award through June 30, 2016. The College will have the option to renew the contract after the base period if it so desires. The College may renew the contract for each of these renewal periods with 30 days notice prior to the start of each renewal period.

A. Emergency Work

Emergency work requires a specific response to the Facilities Management Building, within two (2) hours of notice by telephone to the Contractor's emergency number and the ability of the Contractor to mobilize and man the job with sufficient forces to complete the work in a timely fashion. It is understood that the successful contractor will be available on a seven day a week, 24 hour a day on call basis, including Holidays.

B. Maintenance Work and Small Jobs

Maintenance work and small jobs shall be initiated in the form of a request for one of the specific services described in the 'Scope of Work' from the College's Facilities Management Department. The Contractor shall review any plans that may be provided and inspect the job site. The Contractor shall be ready to man this type of work with sufficient forces to complete the work in a timely fashion after notice to proceed has been issued by the Executive Director of Facilities Management. The Contractor shall report to the Facilities Management Building to sign-in prior to beginning work during regular business operation hours.

7. WORK HOURS

Regular working hours are from 8:00 AM to 4:30 PM on Monday through Friday. All other hours are considered overtime. A full day will consist of a "regular" eight hour day and a half day shall be considered four hours. These time periods 4 and 8 hours are time periods "on Campus" and exclusive of any travel time.

Overtime working hours are defined on any hours that occur Monday-Friday in hours other than 8:00AM-4:30PM and ALL Saturday hours.

Sunday / Holiday hours are hours defined as any hours that do not fall into Regular or Overtime hours.

Labor payments will be based on actual hours worked on site and will not include payment for travel time. Payments will be based on the labor and material unit pricing submitted on the bid.

The Contractor shall also include in the bid a listing of the holidays observed by the Contractor.

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8. SCOPE OF WORK

The contractor shall provide all the labor and equipment to perform the services listed below. The contractor will commence with excavation work once the physical mark out of ALL utilities has been secured. The contractor shall be responsible for contacting the underground location services contractor –or- NJ One call either #811 or 1-800-272-1000.

A. Water Main Leak Repair – Lawn Area

Excavate the area to expose the broken water main. De-water the area. Install a band clamp or spool pipe as required to repair the leak. Test the pipe for leaks then backfill using dry fill material. Transport any unsuitable material to a location on campus. MCC to topsoil and seed the area.

B. Water Main Leak Repair – Roadway/Walkway Bituminous Pavement

Saw cut the surface and remove the pavement materials. Properly dispose of them off campus at an approved facility. Excavate the area to expose the broken water main. De-water the area. Install a band clamp or spool pipe as required to repair the leak. Test the pipe for leaks then backfill using dry fill material. Transport any unsuitable material to a location on campus. The Contractor shall replace subgrade damaged or removed during Road reconstruction with crushed rock (DGA as a base) subgrade shall be replaced to a minimum depth of 4" inches or the number of inches removed during road reconstruction, whichever is greater. Then Install 4 inches of bituminous base and 2 inches of top course.

If the water main construction is completed in the winter season and the road reconstruction work cannot be completed until the following spring due to weather related paving restrictions, the Contractor shall provide 4" cold patch for temporary trench. The temporary trench patch shall provide a smooth, drivable surface. The Contractor shall monitor and repair, if required, the temporary patch until the road reconstruction work can be completed

C. Water Main Leak Repair – Roadway/Walkway Concrete Surface

Saw cut the surface and remove the concrete materials. Dispose of them off campus at an approved facility. Excavate the area to expose the broken water main. De-water the area. Install a band clamp or spool pipe as required to repair the leak. Test the pipe for leaks then backfill using dry fill material. Transport any unsuitable material to a location on campus. Install 6 inches of 4000# concrete mix.

If the concrete surface cannot be restored due to winter season conditions, the Contractor shall provide 4" of cold patch until the following spring due to weather related conditions. The temporary patch shall provide a smooth surface for pedestrian or vehicular use until such time the permanent concrete repair can be made.

The Contractor shall monitor and repair, if required, the temporary patch until the walkway / roadway construction work can be completed.

D. Hot Water Fiberglass Line Repair – Lawn Area / Bituminous Pavement or Concrete Area

Saw cut surface and remove pavement or concrete materials. Dispose of them off Campus at an approved facility. Excavate the area and remove (de-water area). Provide labor, materials and replacement parts (if warranted) to make a fiberglass (hot water) pipe repair (sizes 4"-10") wrapped with 2" insulation with PVC Shell. Workmanship to be performed by a certified epoxy repair technician.

9. GUARANTEE

The Contractor is required to guarantee all materials and workmanship for a period of twelve (12) months beginning at the satisfactory completion of each job.

10. ADDITIONAL INFORMATION/SITE VISIT

Additional information may be obtained from the following individuals:

Facility/Specifications: Ronald Balint
Associate Director of Buildings and Grounds
(732) 906-4171
(732) 906-4199 Fax

Proposal: David Ficke
Director of Purchasing and Inventory
(732) 906-2519
(732) 906-4236 Fax

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