

SECTION 01010 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: Project consists of the replacement of the existing domestic water supply system and all related work at the Smyrna Readiness Center.
1. Project Location: Smyrna, DE
 2. Owner: Delaware Army National Guard
- B. The Work to be performed under this Contract includes, but is not limited to, removing the existing copper piping service for the domestic water supply system and replacement with new CPVC piping for the cold water supply (CWS), hot water supply (HWS) and the hot water return (HWR) systems for the building, replacement of the existing gas-fired water heaters with tankless on-demand water heaters, plumbing, miscellaneous modifications and all related work.
1. The Work includes the following major components:
 - a. CPVC piping
 - b. Cold water and hot water supply tie-ins to existing fixtures and equipment
 - c. Corian box covers for exposed pipes
 - d. Piping insulations and pipe supports
 - e. Tankless on-demand water heating system (Bid Option No. 1)
 - f. Field supervision and start-up
 - g. Instructing of SRC/DEARNG personnel in operations & maintenance procedures
 2. The above is only an outline of the Contract, and is further expanded to include the following responsibilities:
 - a. Coordinate scheduling
 - b. Perform all demolition work
 - c. Perform all rough-in work
 - d. Perform cutouts and restoration of drywall ceiling and masonry walls
 - e. Install access panels in masonry walls for servicing of fixtures
 - f. Perform all plumbing work for re-piping of existing fixtures and equipment
 - g. Perform all plumbing and electrical/control work for the tankless on-demand water heaters (Bid Option No.1)
 - h. Remove and reinstall and make operational existing instruments and equipment to be reused
 - i. Repair any damage to existing equipment, piping and the like
 - j. Remove and properly disposed of all demolished debris, excess and other waste materials
 - k. Secure and pay for all construction and other required fees and permits.
 - l. Pay for all bonds and insurances required for performance of his work. The Owner shall be held harmless by the Contractor for the duration of this Contract.

- C. The above general outline of principal features of the Contract does not in any way limit the responsibility of the Contractor to perform all work and furnish the required materials, equipment, and labor for properly installed and functional domestic water supply system.
- D. It must be noted that the Drawings show locations of existing piping, HVAC and electrical systems based on available information, but in no way should the drawings be considered absolutely correct.
- E. It is the Contractor's responsibility to check, locate and verify existing field conditions. prior to submitting his bid and to starting construction.
- F. The Contractor shall exercise care when making masonry and drywall ceiling cutouts where necessary and as required to remove the existing copper piping, install the new CPVC piping and to re-pipe the existing fixtures and equipment.
- G. Project will be constructed under a general construction contract.

1.2 DESCRIPTION OF BID ITEMS

- A. The separation of the Scope of Work to be performed for each Bid Item, shall conform to the limitations and divisions delineated for each as follows:
 - 1. Base Bid: CPVC Domestic Water System
 - a. All work in connection with furnishing and installing a CPVC domestic water system for cold water supply, hot water supply and hot water return including removal of the existing copper piping, cut-outs in drywall ceiling and masonry walls, tie-ins to existing fixtures, equipment and domestic water users, painting and restoration and pipe supports, pressure testing and all related work for a completely functional and usable domestic water system.
 - 2. Bid Option No. 1: Tankless On-demand Water Heating System
 - a. All work in connection with furnishing and installing three (3) tankless on-demand water heaters and multi-unit control system including removal and replacement of the existing gas-fired water heaters the existing water heaters and section of water and gas piping, tie-ins to the new CPVC piping, natural gas and electric for a fully operational and a properly functional on-demand water heating system.

1.3 EXAMINATION OF SITE

- A. Each Bidder shall visit the site to examine carefully the site, noting all existing conditions and difficulties that will affect the execution of this work and to familiarize himself with the Scope of Work. Each Bidder shall conduct a complete on-site survey of the work described on the Drawings and in the Specifications, so that he is aware of the local conditions that may in any manner affect cost, progress, or performance of work. His Bid Price shall include these and no extra shall be charged after execution of Contract.

- B. **The drawings were prepared using plans of the existing facility obtained from the files of the DEARNG. Its accuracy is not guaranteed by the Owner or the Engineer. It is the Contractor's sole responsibility to field check and verify existing field conditions, make all the necessary measurements of quantities, for use in his bid and for the performance of his Work**

1.4 WORK SEQUENCE

- A. The Work shall be conducted in one phase.
 - 1. Base Bid work shall be substantially complete and ready for occupancy within 75 calendar days after **the Signing of Contract**.
 - 2. Additional days for construction of Bid Options being awarded will be determined during Signing of Contract.

1.5 USE OF PREMISES

- A. General: Contractor shall have restricted use of premises for construction operations, including use of Project site, during construction period, as specified by the Owner. Contractor's use of premises is limited by Owner's right to perform work on portions of Project.
- B. All construction work shall be coordinated with the Owner to minimize interference with the Owner's normal business and operation.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01010