



BID PACKAGE

SPECIFICATIONS

DMH Project#2019-033A Sanitary Sewer Evaluation

**Pocasset Mental Health Center
830 County Road
Pocasset**

SCOPE OF WORK FOR SANITARY SEWER EVALUATION

Pocasset Mental Health Center

830 County Road

Pocasset, MA

(DMH Project 2019-033A)

1.0 EXECUTIVE SUMMARY

The Statement of Work (SOW) is issued to pre-qualified CONTRACTORS under TRD02 *Tradesperson Contract for Asphalt Paving, Carpentry, Excavation, Masonry and Septic Services*. All requirements and conditions of the Statewide Contract are applicable. In addition, all on-site CONTRACTOR staff must have OSHA 10-hour safety training.

The Massachusetts Department of Mental Health (DMH) is requesting proposals from CONTRACTORS to clean an existing sanitary sewer line at Pocasset Mental Health Center (the SITE). The intent of the work is to thoroughly clean approximately 425 feet of sanitary sewer pipe such that a camera survey can be performed to identify deficiencies in the system. The location of the Pocasset Mental Health Center is shown on Figure 1. Figure 2 is a site plan showing the location of the sanitary sewer and leach field.

2.0 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH CONTACT:

Fran Marchand—Project Engineer
Department of Mental Health
Office of Engineering and Facilities Management
167 Lyman St.
Westborough, MA 01581
508-616-6072

3.0 SCOPE OF WORK DESCRIPTION

- A. The Scope of Work shall consist of the furnishing of all labor, materials, equipment, services, permits, and agreements necessary to thoroughly clean approximately 425 feet of an existing sanitary sewer line at the Site.
- B. Deviations from this Specification must be approved in writing by the Massachusetts Department of Mental Health's (DMH's) Project Engineer prior to the Contractor beginning work.
- C. The sewer cleaning shall be conducted in accordance with applicable regulations and these Specifications. After cleaning of the lines, the surface area shall be restored to existing conditions. A general description of the work to be performed shall include but not be limited to:
 - 1. Pre-bid inspection to be held January 23, 2019 @ 10:00AM. It is recommended that the potential Bidders visit the site prior to bidding in order to determine the actual field

conditions including access, evaluation of the work areas; and protection requirements.

2. Apply for, paying for, and securing any and all permits required from local, state, and federal agencies, and other authorities having jurisdiction over the work activities on the SITE, including submitting, revising, and re-submitting all required plans, permits, and notifications. Trench Permit shall be submitted to DMH Project Engineer.
3. Copies of all applicable Safety Data Sheets (SDS) for materials bought to the SITE shall be reviewed and approved in advance by the DMH Project Engineer.
4. Coordination with DMH Project Engineer for the protection of utilities including, but not limited to gas, water, telecommunications, and electric. Includes protection of active utilities encountered within the Work Area and in areas as designated by the DMH Project Engineer.
5. Mobilization to the SITE.
6. Prior to the start of excavation, submit documentation of current Mass Dept. of Labor Standards- Operator's licenses for excavation equipment to the DMH Project Engineer.
7. Installation and maintenance of all protective measures for the duration of the Work to isolate the work area. Protective measures shall include, but not be limited to barriers, signage, and caution tape, as required by the DMH Project Engineer and as required by other project permits.
8. Removal of existing pavement within the proposed excavation area and excavation approximately 5 feet depth to uncover and completely expose the existing 4-inch diameter ductile iron pipe and pipe elbow.
9. Remove existing elbow and install collection system for discharge to vacuum truck or suitable container for off-site disposal of pipe contents. Plug the pipe line from the elbow leading to the first exterior grease trap.
10. High pressure wash the drain piping from the kitchen pot sink area to the removed elbow. (See Figure 3). All discharge water shall be collected via the collection system for off-site transport and disposal.
11. Once the piping is clean, remove the plug and high pressure wash the drain piping from the elbow to the first exterior grease trap. The piping at the first grease trap is 8-10 in. PVC at and transitions to the 4 in. ductile iron piping. All cleaning water and discharge water shall be collected for off-site transport and disposal from the grease trap to minimize grease discharges to the Distribution Box (D Box) and subsequent leach field piping.
12. Repeat step 11 for the pipe between the two grease traps and for the pipe between the 2nd grease trap and the Septic Tank.
13. The Contractor shall proceed to the Distribution Box in the upper field area and flush line back toward the Septic Tank. At the Septic Tank, the Contractor shall pump out all solids

and grease in the septic tank and properly dispose.

14. Once the kitchen area to the elbow is cleaned, DMH personnel will evaluate the cleanliness of that piping and will subsequently camera the remaining piping after each segment is cleaned.
 15. Upon completion of cleaning activities, 4 inches of bedding sand shall be placed at the elbow location and a new 4-inch ductile iron elbow installed using Dresser Couplings.
 16. The excavated trench shall be backfilled using $\frac{3}{4}$ inch gravel compacted in 12-inch lifts to the existing ground surface.
 17. All areas within the Site shall be thoroughly cleaned.
 18. All excavated materials and asphalt materials shall be removed from the SITE for legal disposal in accordance with all applicable local, state and federal laws and regulations. .
- D. It is the Contractor's responsibility to determine the most efficient method to legally perform this Work. Unless expressly noted, this Specification does not dictate specific methods to be implemented in the performance of the Work.
- E. The Contractor shall include the disposal of 3000 gallons of septic system waste in his bid price. In addition, the Contractor shall a price add/deduct per 100 gallons of waste for 500 gallons.

3.0 SITE SPECIFIC CONDITIONS

- A. The address is a single story, multiple-wing Mental Health Center.

4.0 PROJECT CLOSEOUT

- A. The Contractor shall submit the following post-construction submittals to the DMH Project Engineer within ten (10) days after completion of the Sanitary Sewer Evaluation:
1. Copies of all Accident Reports
 2. All notifications as required elsewhere in these specifications.
 3. Report of any deficiencies found during the Sanitary Sewer Evaluation.