

# Scope of Work – Construction

December 16, 2021

**Project Number:** 437-20-104

**Project Title:** Replace UST Piping and Leak Detection

## **Description of Work:**

The project work shall include, but shall not be limited to: providing all labor, materials, equipment, etc. necessary to complete project 437-20-104, Replace UST Piping and Leak Detection in accordance with the contract requirements, this Scope of Work, NFPA, Life Safety Code (LSC), local building codes, Fuel Oil piping codes, and the project Plan and Specifications (as listed below) to be included as part of the project scope:

1. 437-20-104 Plan sheet G000
2. 437-20-104 Plan sheet C100
3. 437-20-104 Plan sheet M100
4. 437-20-104 Plan sheet M200
5. 437-20-104 Spec. Section 00 01 15 List of Drawing Sheets
6. 437-20-104 Spec. Section 01 00 00 General Requirements
7. 437-20-104 Spec. Section 01 33 23 Shop Drawings, Product Data, and Samples
8. 437-20-104 Spec. Section 01 35 26 Safety Requirements
9. 437-20-104 Spec. Section 01 45 29 Testing Laboratory Services
10. 437-20-104 Spec. Section 01 57 19 Temporary Environmental Controls
11. 437-20-104 Spec. Section 01 74 19 Construction Waste Management
12. 437-20-104 Spec. Section 02 41 00 Demolition
13. 437-20-104 Spec. Section 07 92 00 Joint Sealants
14. 437-20-104 Spec. Section 23 05 11 Common Work Results for HVAC
15. 437-20-104 Spec. Section 23 10 00 Facility Fuel Systems
16. 437-20-104 Spec. Section 26 05 11 Requirements for Electrical Installations
17. 437-20-104 Spec. Section 26 05 19 Low-Voltage Electrical Power Conductors and Cables
18. 437-20-104 Spec. Section 26 05 33 Raceway and Boxes for Electrical Systems
19. 437-20-104 Spec. Section 26 05 41 Underground Electrical Construction
20. 437-20-104 Spec. Section 31 20 00 Earthwork
21. 437-20-104 Spec. Section 32 05 23 Cement and Concrete for Exterior Improvements
22. 437-20-104 Spec. Section 32 12 16 Asphalt Paving
23. 437-20-104 Spec. Section 32 17 23 Pavement Markings

The project entails replacing the fuel oil supply and return lines between the USTs (Underground Storage Tanks) and to the interior of the Boiler Plant (Building #10). The following page has a partial site plan of the Fargo VA (Figure 1) indicating the buildings and areas where the work for this project will be required to be completed.

The following page also includes a photo (Figure 2) with notes that indicate the extent of the fuel oil piping work required to be completed in the Boiler Plant. The Fuel Oil piping through the Boiler Plant foundation wall will require new piping seals, new supply and return isolation valves for the fuel oil piping and connection to the main fuel oil supply and return lines in the boiler plant. Note that the main supply and return lines into the plant will be new lines and replaced under the existing Boiler Plant Replacement project 437-14-112. Coordination between contractors/sub-contractors shall be required to ensure the connections are properly completed under this project contract.

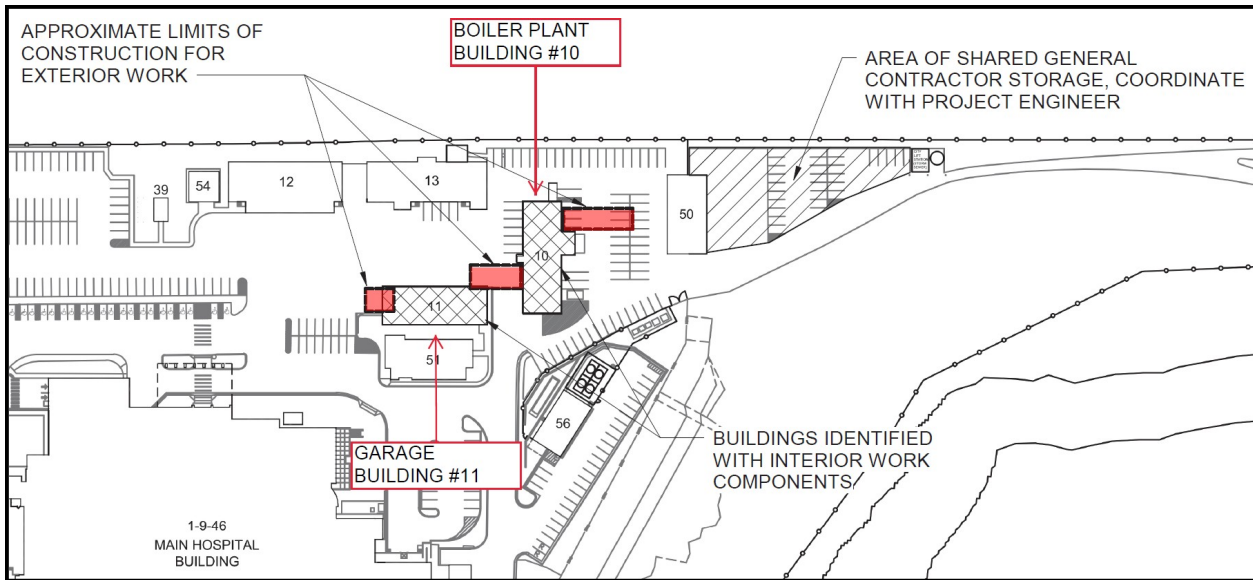


Figure 1 – Fargo VA Partial site plan

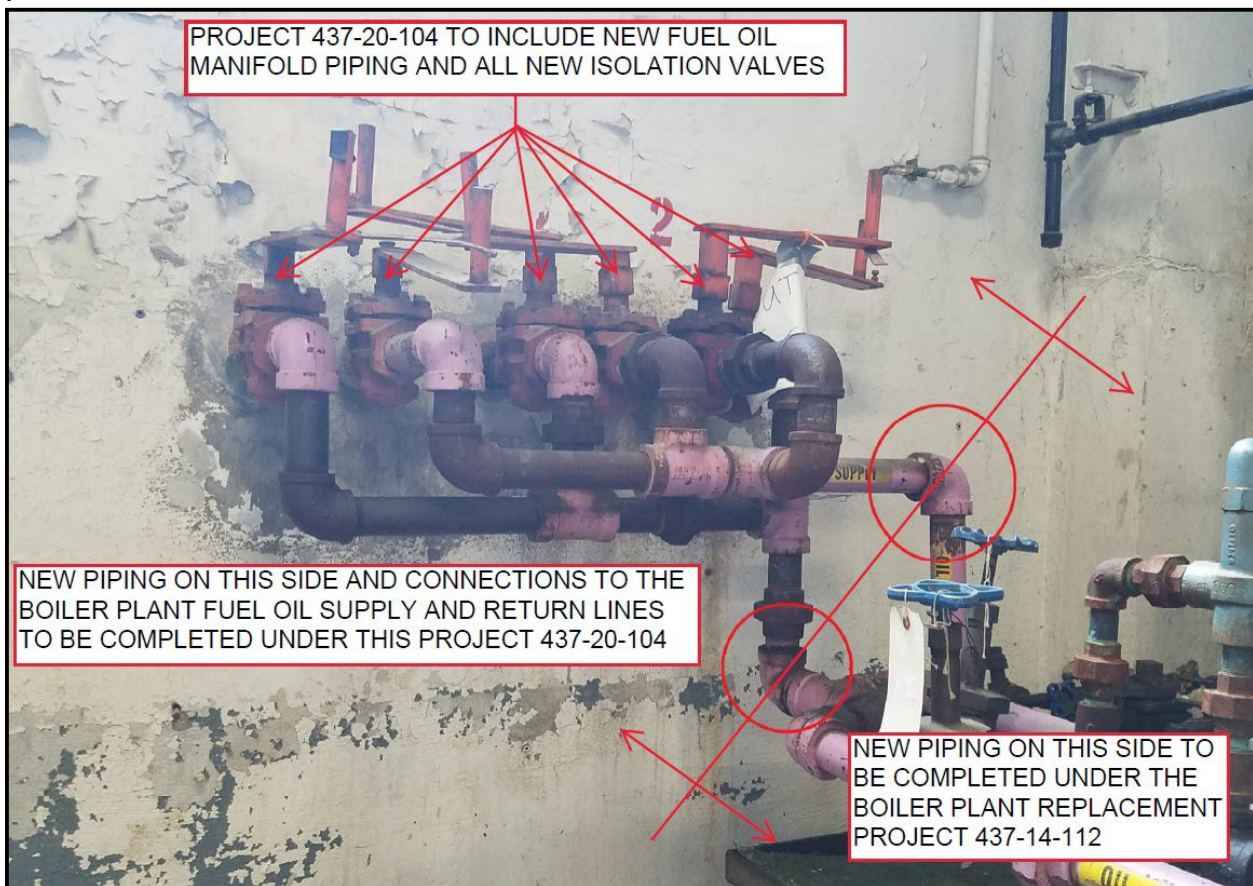


Figure 2 – Fuel oil piping in Boiler Plant with manifold piping and valves

There will Also be work in the Boiler Plant and the Garage (Building #11) to replace the Alarm and detection equipment. Completion of this project shall include but shall not be limited to providing all excavation work, demolition of existing system piping and detection systems, providing and installing all new piping, equipment, electrical/communications wiring, alarm systems, programming, patching and re-installation of all driveway surfaces.

It is expected that USTs #1, #2, & #3 on the Fargo VA campus grounds will have the return, supply, and vent lines for each tank replaced. The vent lines will be replaced in their entirety from tank to vent cap with standard pipe meant for underground use venting fuel oil. The return and supply lines will be replaced from the tanks to the elbows on the interior of the boiler plant, including the elbows, inside the boiler plant. New control valves inside the boiler plant will be chosen such that current capabilities of fuel transfer are maintained. Choose valves and orientate for ease of use for operators. The use of butterfly valves is prohibited. Return and supply pipes underground will be replaced with non-metallic piping for underground use with fuel oil.

The current leak detection system housed in building 10 monitors USTs #1, #2, #3, #4, #6 and day tanks for #4 and #6. Replace leak detection system for all four tanks that will monitor:

- 1) The interstitial space of the fuel lines and tanks for leaks in the containments.
- 2) Fuel level of each tank.
- 3) Liquid inside the UST manway.
- 4) Tank overfill.

The manway covers in the parking lot will have new covers to replace old covers to prevent water intrusion into the UST manways.

Phasing plans shall be followed to ensure continuous operation of all services under this project, as well as access to existing building(s), elevators, stairwells, corridors, etc. Phasing shall ensure that fuel oil service to the boiler plant shall not be interrupted and NO downtimes in fuel oil service to the boiler plant will be allowed.

The Project bid will include two (2) DEDUCT ALTERNATE line items as noted in Specification Section 01 01 00:

1. DEDUCT ALTERNATE #1: Omit new manways and covers for existing fuel oil tanks.
2. DEDUCT ALTERNATE #2: Omit new piping for existing fuel storage tanks.

Duration: 180 days after the Notice to Proceed (NTP) is issued.

### **VHA Supplemental Contract Requirements for Combatting COVID-19**

#### **1. Contractor employees who work in or travel to VHA locations must comply with the following:**

##### **a. Documentation requirements:**

1) If fully vaccinated, contractors shall show proof of vaccination.

- i. **NOTE:** *Acceptable proof of vaccination includes a signed record of immunization from a health care provider or pharmacy, a copy of the COVID-19 Vaccination Record Card (CDC Form MLS-319813\_r, published on September 3, 2020), or a copy of medical records documenting the vaccination.*

- 2) If unvaccinated, contractors shall show negative COVID-19 test results dated within three calendar days prior to desired entry date. Test must be approved by the Food and Drug Administration (FDA) for emergency use or full approval. This includes tests available by a doctor's order or an FDA approved over-the-counter test that includes an affiliated telehealth service.
  - 3) Documentation cited in this section shall be digitally or physically maintained on each contractor employee while in a VA facility and is subject to inspection prior to entry to VA facilities and after entry for spot inspections by Contracting Officer Representatives (CORs) or other hospital personnel.
  - 4) Documentation will not be collected by the VA; contractors shall, at all times, adhere to and ensure compliance with federal laws designed to protect contractor employee health information and personally identifiable information.
- 2. Contractor employees are subject to daily screening for COVID-19 and may be denied entry to VA facilities if they fail to pass screening protocols. As part of the screening process contractors may be asked screening questions found on the [COVID-19 Screening Tool](#). Check regularly for updates.**
- a. Contractor employees who work away from VA locations, but who will have direct contact with VA patients shall self-screen utilizing the [COVID-19 Screening Tool](#), in advance, each day that they will have direct patient contact and in accordance with their person or persons who coordinate COVID-19 workplace safety efforts at covered contractor workplaces. Contractors shall, at all times, adhere to and ensure compliance with federal laws designed to protect contractor employee health information and personally identifiable information.
- 3. Contractor must immediately notify their COR or Contracting Officer if contract performance is jeopardized due to contractor employees being denied entry into VA Facilities.**

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