

## SECTION 02685 - GAS DISTRIBUTION SYSTEM

### PART 1 - GENERAL

#### 1.01 GENERAL PROVISIONS:

- A. Documents affecting Work of this Section include, but are not necessarily limited to, The CONDITIONS OF THE CONTRACT General Conditions, Supplementary Conditions, Addenda and all Sections of Division 1, which are hereby made a part of this Section.
- B. Coordinate Work with that of other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of the Work.
- C. The "Standard Specifications" referred to herein is the book entitled "*Standard Specifications, Highways and Bridges*" published by the State of Maine Department of Transportation (latest date), and Supplemental Specifications in Force, excluding the following portions thereof:

Division 100, Sections 102 through 109; numerical index of payment items included in each section.

Those Sections of the aforementioned Standard Specifications which are cited herein, are applicable to the Work of this Contract as they may be modified, amplified, or added to by this Section.

- C. Contractor shall Work in close cooperation with Gas utilities company, other affected utility companies and the City of Portland, to the end that all Work is constructed in accordance with all applicable standard practices and regulations.
- D. For the Gas line installation, comply with all requirements of supplying company (Unitil) and all applicable local and State regulations.
- E. This Section is provided for informational purposes only. All work related to this item shall be as required by the installing Gas Company. Stantec Consulting Services, Inc. is not responsible for the design of the gas system.

#### 1.02 DESCRIPTION OF WORK:

- A. Provide all labor, materials, equipment and services necessary for proper and complete installation of the following:
  - 1. Excavation, trenching, bedding and backfilling for a new underground gas service line from the underground gas supplier to the service entrance to the new building addition, as shown on Drawings. Reference is made to Division 15 Specifications for installation of piping and conduit.

#### 1.03 QUALITY CONTROL; SUBMITTALS:

- A. General: Comply with requirements of Division 1 sections for Submittals and Quality Control.

- B. Shop Drawings: To be provided under division 15.

1.04 AS-BUILT DRAWINGS:

- A. As-built Drawings to be coordinated with Division 15; coordinate with mechanical Contractor and Gas utilities company. for as-built locations of underground Gas lines.

**PART 2 - PRODUCTS**

2.01 UTILITY TRENCHES:

- A. Bedding Material for Gas Line: Well-graded fine sand, as specified under Section 02220-Excavation, Backfill and Compaction (SS 2.01 E).
- B. Granular Backfill: Well-graded sand or gravel, as specified under Section 02220-Excavation, Backfill and Compaction (SS 2.01 C).

2.02 NATURAL GAS PIPING:

- A. Gas service piping, valves and fittings will be provided and installed by Unutil, Inc. Coordinate with Gas utilities company and the Mechanical Contractor.

**PART 3 - EXECUTION**

3.01 PREPARATION:

- A. Notify "Dig-Safe" (811 or 1-888-DIG-SAFE) at least 3 days prior to beginning any excavation Work.
- B. Accurately locate any existing or previously installed utilities before beginning excavation.
- C. Check for conflict with underground utilities or structures. Notify the Architect/Engineer immediately of all discrepancies before proceeding with the Work.
- D. Fully coordinate with Gas utilities company and the Mechanical Contractor to insure timely Work by others, so as not to hold up construction.

3.02 UTILITY TRENCHING FOR NATURAL GAS LINE:

- A. Excavate, bed and backfill underground natural gas line as directed by the Mechanical Contractor and Gas utilities company, to the approximate location shown on the Plans.
- B. Gas piping and appurtenances will be installed in the open trench by Gas utilities company; coordinate with Gas utilities company. and the Mechanical Contractor.
- C. Gas meter (if required), piping, valves and fittings at exterior of building will be installed by Gas Utilities and the Mechanical Contractor.

**END OF SECTION**