

SECTION 01046**CONTROL OF WORK****PART 1 GENERAL****1.01 SUMMARY****A. Section Includes:**

1. Examination of site and conditions of construction.
2. Pipe locations and excavations.
3. Restoration and protection of property and protection of utilities.

1.02 RELATED SECTIONS

- A. Section 01300 – Submittals
- B. Section 01400 – Quality Control Testing
- C. Section 02200 - Earthwork
- D. Section 02741 – Pavement Removal and Replacement

1.03 CODES AND STANDARDS (NOT USED)**1.04 SUBMITTALS****A. Submit the following in accordance with Section 01300:**

1. Quality Assurance/Quality Control (QA/QC) Manager's Name and Qualifications.
2. QA/QC Certificate Forms.

1.05 QUALITY ASSURANCE

- A. Quality Assurance/Quality Control (QA/QC) Manager shall be directly responsible for controlling the quality of Contractor's work and shall have at least five (5) years' experience as a QA/QC Manager in installation of pipes 36-inch diameter or larger in the last ten (10) years. The Site Superintendent or another member of site staff may also perform the functions specified for the QA/QC Manager provided that the site staff person meets the specified qualifications.

1.06 QUALIFICATIONS (NOT USED)

1.07 DELIVERY, STORAGE, AND HANDLING

- A. All excavated materials and equipment to be incorporated in the Work shall be placed so as not to injure any part of the Work or existing facilities and so that free access can be had at all times to all parts of the Work and to all public utility installations in the vicinity of the Work. Materials and equipment shall be kept neatly piled and compactly stored.
- B. Storage of construction materials and equipment will not be permitted on roadways within the jurisdiction of MassDOT and the Town of Needham outside work hours or during periods of non-construction.

1.08 PROJECT/SITE CONDITIONS

A. Field Measurements:

- 1. Verify all dimensions shown on existing Work and all dimensions required for the Work that is to connect to existing Work by actual measurement of existing Work. Verify the dimensions, locations, elevations and grades of existing structures and utilities in the field before the fabrication, installation or connection of any material or equipment that is dependent on the correctness of such information. Notify the Authority of any discrepancies between the Contract Documents and existing conditions before any Work commences in the affected area.

2. Easements and Rights-of-Way:

a. General:

- 1) Stake out easements and rights-of-way for utilities prior to the start of Work.
- 2) Protect and maintain the easements and rights-of-way and stakes until completion of all work on site.
- 3) Do not enter any private property outside indicated easement and right-of-way boundaries.

B. Pipe Locations

- 1. New pipelines shall be located as indicated.

C. Test pits:

- 1. In advance of shop drawing submittals for connecting pipe, couplings, fittings and appurtenances, confirm via test pitting the pipe depth, horizontal and vertical alignment, actual outside diameter and ovality of the pipe, and the location of

existing utilities. Confirm pipe grade and depth prior to ordering new concrete vaults and manholes for all valve installation. Perform test pits within 45 days from Notice to Proceed (NTP).

2. Provide written notification to the Authority one (1) week prior to each test pit excavation.
3. Field sketches showing the specific location of each test pit, purpose of the test pit, the measurements to be taken, and the start and completion date for each test pit.
4. All applicable permits must be obtained prior to excavating any test pits.
5. Individual test pits shall be closed or steel plated overnight and completed within two (2) days. Steel plates shall be flush and level with ground surface or edged with cold patch and physically secured.

D. Protection and Temporary Relocation of Existing Structures and Utilities

1. Protect all buildings, structures, and utilities, public or private, including poles, signs, services to buildings, utilities in the street, gas pipes, water pipes, hydrants, sewers, drains, electric and telephone cables, and traffic signal and loop detector wires. Any damage shall be repaired at no additional cost to the Authority.

E. Maintenance of Flow

1. Maintain the flow of sewers, drains and water courses interrupted during the progress of the Work, and immediately remove and dispose of obstructions.

1.09 DEFINITIONS (NOT USED)

1.10 TOLERANCE (NOT USED)

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

