

**SECTION 01100****SPECIAL PROJECT PROCEDURES****PART 1 - GENERAL****1.01 RESPONSIBILITY OF THE CONTRACTOR**

- A. The Contractor shall have at all times as his agent on the site of the work a competent superintendent capable of reading and thoroughly understanding the Plans and Specifications.
- B. The Contractor shall be responsible for the good condition of the work or materials until formal release from his obligations under the of this project. The Contractor shall store materials and shall be responsible for and shall maintain partly or wholly finished work during the continuance of the Contract. He shall place sufficient lights and danger signals on or near the work from sunset to sunrise; shall erect suitable railings or other protective devices about unfinished work, open trenches, embankments, or other obstructions; shall provide all necessary watchmen on the work by day or by night for the safety of the public, and shall take all necessary precautions for preventing accidents or injuries to persons or property in or about the work.
- C. Wherever piping systems or utilities such as water, wastewater, air, chemical, electrical or other service lines must be crossed, deflection of the pipe within recommended limits and cover shall be used to satisfactorily clear the obstruction unless otherwise indicated on the Drawings. Approximate locations of known installations in the vicinity of new work must be verified in the field by the Contractor, who shall uncover them carefully, prior to commencement of the work.
- D. The Contractor shall familiarize himself with all codes and regulations of the Federal Government, the State of Florida, the County of Miami-Dade and any municipal corporations applicable to every aspect of the Project. The Contractor shall provide all materials and shall perform all work necessary to fully comply with all provisions and requirements of applicable codes and regulations whether specifically indicated in the Plans and Specifications or not. It is the intent of the Department to obtain a finished project in full compliance with all requirements of any agencies having jurisdiction over any portion of the work involved in the Project. The Inspector will not recommend acceptance of the work until all requirements and provisions of pertinent codes and regulations have been satisfactorily fulfilled.

**1.02 CONNECTIONS TO EXISTING PIPING:**

- A. Perform in such a manner that no damage and minimal interruption is caused to existing installation. Any damage caused to existing installations shall be repaired or replaced by the Contractor.
- B. Coordinate connection operations with the Department, who shall be notified at least 7 days in advance of any activity which may interfere with the existing utility system.
- C. All connections to existing mains of the Miami-Dade Water and Sewer Department shall be made under the direct supervision of Department personnel. Valves separating the main being installed from existing mains shall be operated by Department personnel upon request by the Contractor. Under no circumstances shall any of these valves be operated by the Contractor's personnel.

- D. Any proposed length of pipe, fitting or valve to be installed as an integral part to an active water main, shall be swabbed on the inside with calcium hypochlorite, HTH, Perchloron, or approved equal, mixed in solution with water. The quantity of hypochlorite shall in all cases be subject to the approval of the Department whose representative shall be present at all times while this phase of the work is in progress.
- E. The installation shall be made as swiftly as possible after service has been halted in the pipeline and any water in the ditch shall be kept below the level of the length of pipe, fitting or valve. The pipeline shall then be placed in service by the Department personnel.

#### 1.03 WATER USED IN CONSTRUCTION

- A. Water used in construction will be furnished by the Department at a charge. This water will be supplied from the most convenient source through the existing piping. However all water used must be metered through a Department meter. The Contractor will be billed, by the Department based on water usage. Failure of the Contractor to meter the water, or providing others with water, could result in his being fined and/or a citation being issued against him in accordance with the rules and regulations of the Department's Tampering Section. The Contractor can obtain the meter through proper application and payment of deposit fee at the Department's New Business Office, 3575 South LeJeune Road, Miami, Florida. The Contractor shall present a Dade County Fire Department permit or Coral Gables Fire Department Permit during application with the New Business Office. The deposit fee will be refunded to the Contractor upon return of the meter in a sound satisfactory condition. The largest meter available is 2 inches NPS. Effective October 1, 1997, the required deposit for a 2-inch meter is \$2,000.00, for current fees contact the Department's New Business Office at (305) 669-7701. Additional fees may be required by other governmental agencies for utilizing existing sources of water.
- B. All piping, fittings, valves and equipment, including pumps and power, required for handling the water shall be furnished by the Contractor. Care shall be exercised in the use of the water and provision shall be made to protect the water supply from contamination and indiscriminate use by unauthorized persons. The Contractor shall use only potable water.
- C. Under no circumstance shall the Contractor utilize a water source, including existing piping, until such source or piping has been approved for use by the Department.

#### 1.04 MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR:

- A. The Contractor shall furnish all materials required to complete the construction of the project and related items, ready for service.
- B. All material and equipment furnished by the Contractor for incorporation into the Project shall be new and of recent domestic manufacture, and shall be the products of reliable manufacturers who, unless otherwise specified, have been regularly engaged in the manufacture of such material and equipment for at least five (5) years.
- C. All fittings and components shall, wherever possible be standard stock articles of well known domestic manufacturers. Where the Plans and Specifications designate the products of a particular manufacturer, the product specified has been found suitable for the intended use, but unless otherwise provided, articles or products of similar characteristics may be offered for the

approval of the Department. Complete descriptive data shall be furnished in quintuplicate regarding all materials furnished by the Contractor, consisting of dimension drawings, catalog references and other information necessary to clearly identify each article. When substitutions are permitted, the Contractor shall make all necessary changes in adjacent or connected structures and equipment at his expense.

- D. Unless otherwise specified or noted on the Plans, all steel bolts, nuts, washers and other miscellaneous ferrous metal items (except cast iron or stainless steel) furnished by the Contractor shall be hot-dip galvanized in accord with ASTM A123, Zinc (Hot-Dip Galvanized) Coatings for Iron and Steel Products, or ASTM A153, Zinc Coating (Hot-Dip) on iron and Steel Hardware. Where the word galvanized or its abbreviation is used in the Plans or in the Specifications, it shall mean hot-dip galvanized. Fabricated items shall be hot-dip galvanized after fabrication. Internal threads shall be tapped or retapped after galvanizing.
- E. All valves, piping, structural steel and miscellaneous materials and equipment shall be stored on blocks or racks. As far as possible, no materials or equipment shall be stored so that it is in direct contact with the ground. All metal shall be thoroughly cleaned before being placed in the work.
- F. Electrical equipment and materials, pumps, blowers, and motors shall be stored out of the weather and off the ground, and protected from dust, dirt and moisture.
- G. To insure satisfactory and successful final painting of materials and equipment to be furnished, it is essential that the paints applied in the shop and in the field be mutually compatible. To this end, the Contractor shall require that the shop paint applied to the materials and equipment be compatible with the paint proposed to be used in the field, or shall determine what shop paints have been used and select field paints compatible therewith.
- H. The Contractor shall not reuse any of the material removed from existing pipeline systems.
- I. The Contractor shall supply certification that all materials supplied that will come into contact with drinking water conform with American National Standards Institute (ANSI)/ NSF International (NSF) Standard 61.

#### 1.06 MANUFACTURER'S EXPERIENCE RECORD:

- A. When a manufacturer's experience record is required by these specifications, the following may be provided in lieu of the specified record:
- B. Manufacturers and/or equipment which does not meet the specified experience period will be considered if the manufacturer or supplier provides a bond or cash deposit valid for five (5) years less his years of experience, which will guarantee replacement of the equipment or process in the event of failure or unsatisfactory performance or service.

### **PART 2 - PRODUCTS** (Not used)

### **PART 3 - EXECUTION** (Not used)

END OF SECTION