

SECTION 01018**ENVIRONMENTAL CONTAMINATION****PART 1 - GENERAL****1.01 ENVIRONMENTAL CONSIDERATIONS**

- A. For any work conducted in a contaminated area within the project boundaries where hazardous materials or hydrocarbons have been encountered, were previously known to exist, or is suspected by the Contractor or the Department Inspector, the Contractor must comply with all applicable requirements of OSHA, EPA, FDEP and Miami-Dade County Regulatory and Environmental Resources Department.

1.02 SPECIALIZED CONSTRUCTION AREA

- A. Specialized construction areas are defined as areas where contaminants are discovered and require construction by personnel qualified by training and equipped with personal protective equipment for such work.
- B. Work in specialized construction areas shall be carried out by personnel qualified by training and equipped for such activities. These personnel shall be either subcontractors with licensing and certification as specialists in this type of construction or the Contractor's own personnel who have taken and been certified as having passed the required training course(s). Licensing and certifications shall be submitted to the Department for verification and shall in all cases be satisfactory to both the Department and other authorities with jurisdiction. The Field Health and Safety Technician furnished by the Certified Industrial Hygienist or Environmental Engineer shall be present on the site during all construction in specialized construction areas unless the nature of the work is non-hazardous such that either the Site Specific Health and Safety Plan or the Certified Industrial Hygienist or Environmental Engineer authorizes his absence.
- C. Disposal of any contaminated soils and/or groundwater must comply with all applicable federal, state and local requirements.

PART 2 - PRODUCTS

- 2.01 The Engineer of Record shall consult with the Department regarding its requirement for material type (including pipe, fitting, gasket, valve interior coating, and the like) to be installed in contaminated areas.

PART 3 - EXECUTION**3.01 INSTALLATION REQUIREMENTS**

- A. When potable water mains are to be installed in an area of hydrocarbon contamination,

each joint gasket shall be protected from possible hydrocarbon permeation which would in turn contaminate the drinking water.

- B. The requirements of this Section shall be closely adhered to in all cases where proposed mains are to be installed in an area of hydrocarbon contamination. These requirements and those imposed by Miami-Dade County Regulatory and Environmental Resources Department or any other agency having jurisdiction in addition to, and take precedence over the Department's standard specifications and standard details for ductile iron water mains.
- C. Contaminated backfill cannot be placed back into an existing trench. Contaminated fill shall be replaced with clean fill, hauled offsite and legally disposed of at a location which can handle the material.
- D. The Department may require gasketed joints be protected by encasing the entire joint with a hydrocarbon impermeable material. In this case, all joint gaskets shall be protected including those on pipe, fittings, valves, fire hydrants and specialty items.

END OF SECTION