

SECTION 02734
FLOW CONTROL OF SEWER LINES

PART 1 GENERAL

1.01 SCOPE

- A. The work of this section consists of furnishing all labor and materials required to control the flow of the sewer lines to perform the required work and as determined by the Owner.

1.02 DESIGN CRITERIA

- A. The work covered by this specification shall be in accordance with the best practice of the industry. The specifications call attention to certain features but do not purport to cover all details entering into the required work.

1.03 SUBMITTALS

- A. The following submittals shall be made:
 - 1. Contractor's description of all equipment and his methodology to control wastewater flows during construction.
 - 2. Specific information regarding the size of pumps, conduits, and forcemains, if pumping is to be utilized for flow control.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Not Applicable.

PART 3 EXECUTION

3.01 GENERAL

- A. When the depth of flow in the sewer line or manhole is above the maximum allowable set forth for the type of work being performed in the applicable section of these specifications, one or more of the following methods of flow control shall be used.
 - 1. Plugging or Blocking
 - a. A sewer line plug shall be inserted into the sewer line(s) at a manhole upstream from the section in which the work is to be performed. The plug shall be so designed that all or any portion of the sewage flow can be released at a controlled rate.
 - 2. Pumping and Bypassing

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- a. When pumping/bypassing is required, the Contractor shall supply the necessary pumps, conduits and other equipment to divert the flow of sewage around the section in which work is to be performed. The Contractor will be responsible for furnishing the necessary labor and supervision to set up and operate the pumping bypassing system. Bypass pumping shall only be performed during working hours. The gravity sewer shall be reconnected at the end of each work day. Sewage shall be confined to pumping equipment and piping system and discharged only into the sanitary sewer system.

- B. When flow control procedures are utilized, the Contractor shall monitor upstream sewer reaches to identify whether excessive surcharging is occurring.

- C. The Contractor shall conduct his work so as to not cause excessive surcharging of the sewerage system and shall not cause damage to the sewerage system, its connections and/or apparatus. Any damage caused by the Contractor's operation shall be repaired to the complete satisfaction of the Owner and at no additional cost to the Owner.

3.02 CLEAN-UP

- A. The Contractor shall be responsible for the disposal of excess material and general clean-up of the work area which will be subject to the approval of the Owner.

END OF SECTION