

SECTION 02753

SEWER FLOW CONTROL

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. This covers the sewer flow control procedures of plugging, blocking, and by-pass pumping. The Contractor shall provide all material, equipment, labor and services necessary to perform the work in accordance with the items of this section.

1.02 RELATED WORK

- A. Preparatory cleaning of sewers as specified in Section 02751.
- B. Television Inspection as specified in Section 02752.

1.03 GENERAL

- A. When sewer line flows at the manhole section being replaced are sufficient to cause a washing of the bedding or backfill material into the line then the flows shall be reduced by one of the following methods: manual operation of pumping stations; plugging/blocking of the flows; or by pumping/bypassing of the flows, as specified by the Engineer or his Representative.
- B. Sewer flows shall not exceed five (5) percent of the pipe diameter for the respective line sizes as measured in the manhole when performing television inspection.
- C. Plugging, blocking, or bypassing of the sewer flow shall be considered incidental to the work and shall not be considered for payment.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 PLUGGING AND BLOCKING

- A. A sewer line plug shall be inserted into the line at a manhole upstream for the section being inspected. The plug shall be so designed that all or any portion of the sewage flows can be released. During the inspection portion of the operation, flows shall be shut off or reduced to within the maximum flow limits specified in 1.03 B. After the work tasks have been completed, flows shall be restored to normal.

3.02 PLUGGING AND BYPASSING

- 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 manhole section in which work is to be performed. The bypass system shall be of sufficient capacity to handle existing flows plus additional flow that may occur during periods of a rain storm. The Contractor will be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and bypassing system. A "setup" consists of the necessary pumps, conduits, and other equipment to divert the flow of sewage around a manhole section, from the start to finish of work performed in the manhole section.

3.03 FLOW CONTROL PRECAUTIONS

- A. Whenever flows in a sewer line are blocked, plugged or bypassed, sufficient precautions must be taken to protect the sewer lines from damage that might be inflicted by excessive sewer surcharging. Further, precautions must be taken to ensure that sewer flow control operations do not cause flooding or damage to public or private property being served by the sewers involved. Damage to said properties shall be the sole responsibility of the Contractor.

END OF DOCUMENT