

## **PIPE CULVERTS - CHEMICAL GROUT.**

**(REV 6-23-15) (7-20)**

ARTICLE 430-7 is expanded by the following new Subarticles:

**430-7.5 Sealing Joints for Existing Pipe Using Chemical Grouting:** Select the appropriate chemical grouts and additives, in accordance with ASTM 2304. Furnish all equipment, material, and labor necessary to clean, inspect, test, and seal pipe joints. For pipe sizes larger than 42 inches, utilize the method and grout recommended by the manufacturer. Supply a copy of the method 14 days prior to the start of work to the Engineer for review. Provide the Engineer with a certification from the manufacturer that the chemical grout and additives selected are the correct products for the specific application and conditions at the locations specified in the Contract or Work Document.

**430-7.5.1 Report Submission:** Submit a report to the Department which contains a minimum of the following:

Location of the sewer pipe section.

Type of pipe material and diameter.

The test pressure before and after sealing and the duration of the test.

The volume of grout material used to seal each joint.

The actual set time.

The grouting material used including additives and their respective quantities.

Video recording which must include testing and sealing operations for each joint (including inflation and deflation over the joint). Video recordings must meet the requirements in 430-4.8. The grout must be visible on the video recordings.

SUBARTICLE 430-12.10 is deleted and the following substituted:

**430-12.10 Chemical Grouting:** Price and payment will be full compensation for all equipment, materials and labor required including video recordings.

**430-12.12** Payment will be made under the items specified in the Bid Price Proposal.