



METRIC
Designation: C 1103M – 023

Standard Practice for Joint Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines [Metric]¹

This standard is issued under the fixed designation C 1103M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice covers procedures for testing the joints of installed precast concrete pipe sewer lines, when using either air or water under low pressure to demonstrate the integrity of the joint and the construction procedures. This practice is used for testing 675-mm and larger diameter precast concrete sewer lines utilizing rubber gasket sealed joints.

NOTE 1—The user of this test method is advised that methods described herein may also be used as a preliminary test to enable the manufacturer or installer to demonstrate the condition of sewer pipe prior to delivery.

1.2 This practice is the metric companion of Practice C 1103.

NOTE 12—The owner shall specify the following: who will conduct, observe, and furnish labor, material, and measuring devices and pay for the tests; who is responsible for determining local ground conditions; and whether an air or water test is to be used.

NOTE 23—The user of this practice is advised that test criteria presented in this practice are similar to those in general use. Pipe 600-mm diameter and smaller shall be accepted by infiltration or exfiltration testing utilizing Practice C 969M or by low pressure air testing utilizing Practice C 924M. Pipe greater than 600-mm diameter shall be accepted by infiltration or exfiltration testing utilizing C 969M.

NOTE 34—The user is advised that no correlation has been found between air loss and water leakage.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* Specific safety precautions are given in Section 6.

¹ This practice is under the jurisdiction of ASTM Committee C13 on Concrete Pipe and is the direct responsibility of Subcommittee C13.09 on Methods of Test. Current edition approved August 10, 2002; November 1, 2003. Published October 2002; January 2004. Originally published as C 1103M-89; approved in 1989. Last previous edition C 1103-94(2002); approved in 2002 as C 1103-02.