



Designation: C 1433 – 02a₃

Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers¹

This standard is issued under the fixed designation C 1433; 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 specification covers single-cell precast reinforced concrete box sections intended to be used for the construction of culverts and for the conveyance of storm water industrial wastes and sewage.

1.2 This specification is the companion to SI Specification C 1433M; therefore, no SI equivalents are shown in this specification.

NOTE 1—This specification is primarily a manufacturing and purchasing specification. However, standard designs are included and the criteria used to develop these designs are given in Appendix X1. The successful performance of this product depends upon the proper selection of the box section, bedding, backfill, and care that the installation conforms to the construction specifications. The purchaser of the precast reinforced concrete box sections specified herein is cautioned that proper correlation of the loading conditions and the field requirements with the box section specified, and provision for inspection at the construction site, are required.

2. Referenced Documents

2.1 ASTM Standards:

¹ This specification is under the jurisdiction of Committee C13 on Concrete Pipe and is the direct responsibility of Subcommittee C13.07 on Acceptance Specifications and Precast Concrete Box Sections.

Current edition approved ~~Sept. May~~ 10, 2002³. Published ~~November 2002; July 2003~~. Originally published as C 1433-99, approved in 1999. Last previous edition approved in 2002 as C 1433-02a.