

# **Specification for Cast-in-Place Concrete Pipe**

An ACI Standard

Reported by ACI Committee 346



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## Specification for Cast-in-Place Concrete Pipe

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# Specification for Cast-in-Place Concrete Pipe

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*The Architect/Engineer can make this specification applicable to any project by citing it in the Project Specification. Supplements can be made by designating or specifying individual project requirements as needed. This document must be used in conjunction with ACI 301. Inclusion of this document in a Project Specification, with mandatory checklist items, will provide necessary default values for mandatory checklist items in ACI 301.*

**Keywords:** cast-in-place concrete pipe (CIPCP); circumferential cracking; concrete pipe; longitudinal cracking; no-joint pipe.

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General notes

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Reference to this Commentary shall not be made in contract documents. If items found in this document are desired by the licensed design professional to be a part of the contract documents, they shall be restated in mandatory language.

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*(mandatory portion follows)*

## PART 1—GENERAL

### 1.1—Scope

**1.1.1** This specification covers construction of earth-supported cast-in-place concrete pipe (CIPCP). This specification covers construction of CIPCP with a diameter up to 120 in.

**1.1.2** CIPCP shall conform to ACI 301, Section 1 for general concrete requirements, Section 4 for concrete mixture design, and Section 5 for concrete handling or as specified in Contract Documents.

### 1.2—Definitions

This list supplements ACI 301, Section 1.2. Defined for general use in these specifications are the following:

**backfill**—fill starting at top of pipe and continuing to surface or finished grade or subgrade.

**boulders**—rocks having any dimension larger than 12 in.

**Contract Documents**—a set of documents supplied by Owner to Contractor as the basis for construction; these documents contain contract forms, contract conditions, specifications, drawings, addenda, and contract changes.

**differential displacement**—linear offset distance between two pieces of pipe measured along plane of crack.

**earth**—soil or rock other than flowable granular materials.

**jetting**—water densification of backfill accomplished by the use of a jet pipe to which a hose is attached, carrying a continuous supply of water under pressure to the lift of backfill material to be densified.

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