



Designation: C 896 – 04

## Standard Terminology Relating to Clay Products<sup>1</sup>

This standard is issued under the fixed designation C 896; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Referenced Documents

#### 1.1 *ASTM Standards:*<sup>2</sup>

**C 301** Test Methods for Vitrified Clay Pipe

**C 700** Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated

### 2. Terminology

**approving authority**—the individual official, board, department, or agency established and authorized by a state, county, city, or other political subdivision, created by law to administer and enforce specified requirements.

**backfill**—all the material used to fill the trench from bedding to finished surface.

**backfill, final**—material used to fill the trench from initial backfill to finished surface.

**backfill, initial**—material used to fill the trench from top of bedding to a designated height over the pipe.

**backfill, unconsolidated**—non-compacted material in place in the trench.

**barrel**—the cylindrical portion of a vitrified clay pipe exclusive of branches, spurs, joints, and handling rings or lugs.

**bearing strength**—the non-destructive limit of pipe load, as determined by 3-edge bearing test method, used to determine field supporting strength.

**bedding**—the materials, their placement, consolidation, and configuration, as designed to support, and to develop field supporting strength of vitrified clay pipe.

**bell**—the flared-end portion of a vitrified clay pipe or fitting, designed to function in the joining of other such pipe.

**beveled pipe**—a pipe with an end angled to mate with a complimentary pipe end or adjust to another surface.

**blister**—a convex, raised area on the pipe surface indicating an internal separation.

**body**—See **pipe body**.

**chip**—a small piece of broken-off material, or the location where a small piece of the unit material has been broken off.

**clay**—an earthy or stony mineral aggregate consisting essentially of hydrous silicates of alumina, plastic when sufficiently pulverized and wetted, rigid when dry, and vitreous when fired to a sufficiently high temperature.

**closure**—See **compression joint**.

**compaction**—mechanical or hydraulic consolidation of backfill to achieve stability.

**compression coupling**—See **compression joint**.

**compression disk**—a disk of compressible material placed between the ends of adjacent pipe for the purpose of distributing the jacking force.

**compression joint**—a joint designed so that a sealing action is obtained by compressing elastomeric components.

**conduit**—a pipe for conveying fluid.

**consolidation**—the gradual reduction in volume of backfill matter to achieve stability.

**constant weight**—the condition of a substance in which all volatile components have been vaporized, and repeated exposure to a specified temperature, for any period of time, causes no change in weight.

**controlled low strength material (CLSM)**—flowable low compressive strength cementitious material used in the pipe zone as a bedding material. Also referred to as controlled density fill, flowable fill, slurry, or lean concrete.

**crack**—an irregular separation with well-defined sharp edges visible on the surface of a pipe.

**deadload**—the load imposed on pipe, that is determined by depth and width of the trench at top of pipe, as well as unit weight and character of backfill material.

**drains**—a piping system used to collect and carry off surface and ground water.

**encasement**—special materials, their placement and configuration which are designed to fully surround the pipe, and develop a field supporting strength which exceeds that developed by other commonly used installation and bedding techniques.

**exfiltration**—the quality of water leaving the test section during a specified time period.

**face**—to cover with a new surface.

**filter block**—a cellular vitrified clay block unit, of proprietary configuration, designed to underbed the media in trickling filters.

<sup>1</sup> This terminology is under the jurisdiction of ASTM Committee C04 on Vitrified Clay Pipe and is the direct responsibility of Subcommittee C04.10 on Editorial.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.