



## Applicable ASTM Standards for Precast Concrete

Standard	Description
A36	Specification for Carbon Structural Steel
A108	Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished
A184	Specification for Fabricated Deformed Steel Mats for Concrete Reinforcement
A615	Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
A706	Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement
A767	Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement
A775	Specification for Epoxy-Coated Reinforcing Steel Bars
A820	Standard Specification for Steel Fibers for Fiber-Reinforced Concrete
A884	Specification for Epoxy-Coated Steel and Welded Wire Fabric for Reinforcement
A934	Standard Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars
A1064	Standard Specification for Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete
C14	Standard Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe
C31	Standard Practice for Making and Curing Concrete Test Specimens in the Field
C33	Standard Specification for Concrete Aggregates
C39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
C40	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete
C42	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
C70	Standard Test Method for Surface Moisture in Fine Aggregate
C76	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe



C78	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
C94	Specification for Ready-Mixed Concrete
C125	Standard Terminology Relating to Concrete and Concrete Aggregates
C136	Test Method for Sieve Analysis of Fine and Coarse Aggregates
C138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
C143	Standard Test Method for Slump of Hydraulic Cement Concrete
C150	Specification for Portland Cement
C172	Standard Practice for Sampling Freshly Mixed Concrete
C173	Standard Test Method for Air Content of Freshly Mixed Concrete by Volumetric Method
C192	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory
C216	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)
C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
C260	Specification for Air-Entraining Admixtures for Concrete
C309	Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
C330	Standard Specification for Lightweight Aggregates for Structural Concrete
C361	Specification for Reinforced Concrete Low-Head Pressure Pipe
C403	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance
C443	Standard Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
C478	Specification for Precast Reinforced Concrete Manhole Sections
C494	Standard Specification for Chemical Admixtures for Concrete
C497	Standard Test Methods for Concrete Pipe, Manhole Sections, or Tile



C506	Standard Specification for Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
C507	Standard Specification for Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe
C566	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying
C595	Specification for Blended Hydraulic Cements
C617	Standard Practice for Capping Cylindrical Concrete Specimens
C618	Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete
C642	Standard Test Method for Density, Absorption, and Voids in Hardened Concrete
C655	Standard Specification for Reinforced Concrete D-Load Culvert, Storm Drain, and Sewer Pipe
C685	Standard Specification for Concrete Made by Volumetric Batching and Continuous Mixing
C805	Standard Test Method for Rebound Number of Hardened Concrete
C822	Standard Terminology Relating to Concrete Pipe and Related Products
C825	Standard Specification for Precast Concrete Barriers
C857	Practice for Minimum Structural Design Loading for Underground Precast Concrete Utility Structures
C858	Specification for Underground Precast Concrete Utility Structures
C877	Standard Specification for External Sealing Bands for Concrete Pipe, Manholes and Precast Box Sections
C890	Standard Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structure
C891	Practice for Installation of Underground Precast Concrete Utility Structures
C913	Standard Specification for Precast Concrete Water and Wastewater Structures
C923	Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals
C969	Standard Practice for Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines



C979	Standard Specification for Pigments for Integrally Colored Concrete
C985	Standard Specification for Nonreinforced Concrete Specified Strength Culvert, Storm Drain, and Sewer Pipe
C989	Standard Specification for Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars
C990	Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
C1017	Standard Specification for Chemical Admixtures for Use in Producing Flowing Concrete
C1037	Practice for Inspection of Underground Precast Concrete Utility Structures
C1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
C1088	Specification for Thin Veneer Brick Units Made from Clay or Shale
C1103	Standard Practice for Joint Acceptance Testing of Installed Precast Concrete Pipe Sewer
C1116	Specification for Fiber-Reinforced Concrete
C1157	Standard Performance Specification for Hydraulic Cement
C1194	Standard Test Method for Compressive Strength of Architectural Cast Stone
C1195	Standard Test Method for Absorption of Architectural Cast Stone
C1202	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration
C1214	Standard Test Method for Concrete Pipe Sewerlines by Negative Air Pressure (Vacuum) Test Method
C1227	Specification for Precast Concrete Septic Tanks
C1231	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders
C1240	Standard Specification for Use of Silica Fume for Use as a Mineral Admixture in Hydraulic-Cement Concrete, Mortar, and Grout
C1244	Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill



C1315	Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete
C1364	Standard Specification for Architectural Cast Stone
C1417	Standard Specification for Manufacture of Reinforced Concrete Sewer, Storm Drain, and Culvert Pipe for Direct Design
C1433	Standard Specification for Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains and Sewers
C1478	Standard Specification for Storm Drain Resilient Connectors Between Reinforced Concrete Storm Sewer Structures, Pipes and Laterals
C1479	Standard Practice for Installation of Precast Concrete Sewer, Storm Drain, and Culvert Pipe Using Standard Installations
C1504	Standard Specification for Manufacture of Precast Reinforced Concrete Three-Sided Structures for Culverts, Storm Drains
C1577	Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers Designed According to AASHTO LRFD
C1582	Standard Specification for Admixtures to Inhibit Chloride-Induced Corrosion of Reinforcing Steel in Concrete
C1602	Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete
C1603	Standard Test Method for Measurement of Solids in Water
C1610	Standard Test Method for Static Segregation of Self-Consolidating Concrete Using Column Technique
C1611	Standard Test Method for Slump Flow of Self-Consolidating Concrete
C1613	Standard Specification for Precast Concrete Grease Interceptor Tanks
C1618	Standard Test Method for Concrete Sanitary Sewer Pipe by Negative (Vacuum) or Positive Air Pressure
C1619	Standard Specification of Elastomeric Seals for Joining Concrete Structures
C1621	Standard Test Method for Passing Ability of Self-Consolidating Concrete by J-Ring



C1628	Standard Specification for Joints for Concrete Gravity Flow Sewer Pipe, Using Rubber Gaskets
C1644	Standard Specification for Resilient Connectors Between Reinforced Concrete On-Site Wastewater Tanks and Pipes
C1675	Standard Practice for Installation of Precast Reinforced Concrete Monolithic Box Sections for Culverts, Storm Drains, and Sewers
C1677	Standard Specification for Joints for Concrete Box, Using Rubber Gaskets
C1697	Standard Specification for Blended Supplementary Cementitious Materials
C1712	Standard Test Method for Rapid Assessment of Static Segregation Resistance of Self-Consolidating Concrete Using Penetration Test
C1719	Standard Test Method for Installed Precast Concrete Tanks and Accessories by the Negative Air Pressure (Vacuum) Test Prior to Backfill
C1745	Standard Test Method for Measurement of Hydraulic Characteristics of Hydrodynamic Stormwater Separators and Underground Settling Devices
C1746	Standard Test Method for Measurement of Suspended Sediment Removal Efficiency of Hydrodynamic Stormwater Separators and Underground Settling Devices
C1758	Standard Practice for Fabricating Test Specimens with Self-Consolidating Concrete
C1765	Standard Specification for Steel Fiber Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
C1776	Standard Specification for Wet-Cast Precast Modular Retaining Wall Units
C1778	Standard Guide for Reducing the Risk of Deleterious Alkali-Aggregate Reaction in Concrete
C1786	Standard Specification for Segmental Precast Reinforced Concrete Box Sections for Culverts, Storm Drains and Sewers Designed According to AASHTO LRFD
C1802	Standard Specification for Design, Testing, Manufacture, Selection, and Installation of Fabricated Metal Access Hatches for Utility, Water, and Wastewater Structures



C1814	Standard Test Method for Measurement of Hydraulic Characteristics of Stormwater Filtration Elements
C1818	Standard Specification for Rigid Synthetic Fiber Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
C1821	Standard Practice for Installation of Underground Circular Precast Concrete Manhole Structures
C1837	Standard Specification for Production of Dry Cast Concrete Used for Manufacturing Pipe, Box, and Precast Structures
C1846	Standard Specification for Performance Based Manufacture of Reinforced Concrete Culvert, Storm Drain, and Storm Sewer Pipe
C1856	Standard Practice for Fabricating and Testing Specimens of Ultra-High Performance Concrete
D2240	Standard Test Method for Rubber Property—Durometer Hardness
E4	Standard Practice for Force Verification of Testing Machines
G109	Standard Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments