

Part 642 – Specifications

Chapter 3 – National Standard Material Specifications

Material Specification 542—Concrete Culvert Pipe

A. Scope

This specification covers the quality of nonreinforced and reinforced concrete culvert pipe.

B. Nonreinforced Pipe

Nonreinforced concrete culvert pipe shall conform to the requirements of ASTM C14 for the class of pipe specified.

C. Reinforced Pipe

- (1) Round pipe—Round reinforced concrete culvert pipe shall conform to the requirements of ASTM C76 or ASTM C655 for the class of pipe specified.
- (2) Arch pipe—Reinforced concrete arch culvert pipe shall conform to the requirements of ASTM C506 for the class of pipe specified.
- (3) Elliptical pipe—Reinforced concrete elliptical culvert pipe shall conform to the requirements of ASTM C507 for the class of pipe specified.

D. Reinforced Box Sections

Reinforced concrete box sections shall be manufactured meeting the requirements of ASTM C1433.

E. Rubber Gasket Joints

When rubber gasket joints are specified, the joints and gaskets shall conform to the requirements of ASTM C443.