Material Specification 542—Concrete Culvert Pipe

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

2. Nonreinforced pipe
Nonreinforced concrete culvert pipe shall conform to the requirements of ASTM Specification C 14 for the class of pipe specified.

3. Reinforced pipe
Round pipe—Round reinforced concrete culvert pipe shall conform to the requirements of ASTM Specification C 76 or ASTM C 655 for the class of pipe specified.

Arch pipe—Reinforced concrete arch culvert pipe shall conform to the requirements of ASTM Specifications C 506 for the class of pipe specified.

Elliptical pipe—Reinforced concrete elliptical culvert pipe shall conform to the requirements of ASTM Specification C 507 for the class of pipe specified.

4. Reinforced box sections
Reinforced concrete box sections shall be manufactured meeting the requirements of ASTM Specification C 1433.

5. Rubber gasket joints
When rubber gasket joints are specified, the joints and gaskets shall conform to the requirements of ASTM Specification C 443.