

# MATERIAL SPECIFICATION

## **542. Concrete Culvert Pipe**

### **1. Scope**

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

### **2. Non-Reinforced Pipe**

Non-reinforced concrete culvert pipe shall conform to the requirements of ASTM Specification C 14 for the class of pipe specified.

### **3. Reinforced Pipe**

- a. 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.
- b. Arch Pipe: Reinforced concrete arch culvert pipe shall conform to the requirements of ASTM Specifications C 506 for the class of pipe specified.
- c. 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 Specifications C 789 or C 850 based on the design specified.

### **5. Rubber Gasket Joints**

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