

SECTION 1037 -- REINFORCED CONCRETE PIPE, MANHOLE RISERS, AND FLARED-END SECTIONS

1037.01 -- Description

This *Specification* provides NDR criteria for reinforced concrete pipe (round, elliptical, pipe-arch), reinforced concrete manhole risers, and concrete flared-end sections.

1037.02 -- Material Characteristics

1. Aggregates shall conform to the requirements of Section 1033 with the exceptions that the requirements for gradation and calcium carbonate content are waived.
2. Each section of pipe and flared-end section shall have all AASHTO required markings indented or scribed on the pipe at the time of manufacture.
3. Reinforced concrete pipe shall be AASHTO Class III unless otherwise shown in the plans.
4. Round, reinforced concrete culvert, storm drain, and sewer pipe shall conform to the requirements of AASHTO M 170.
5. Reinforced concrete arch culvert, storm drain, and sewer pipe shall conform to the requirements of AASHTO M 206.
6. Reinforced concrete elliptical culvert, storm drain, and sewer pipe shall conform to the requirements of AASHTO M 207.
7. Precast reinforced concrete manhole risers, steps, and tops shall conform to the requirements of AASHTO M 199.
8. Concrete flared-end sections shall be of the design shown in the plans and in conformance with the applicable requirements of AASHTO M 170, Class II pipe, AASHTO M 206, Class A-II pipe, or AASHTO M 207, Class HE-II pipe for the diameter of pipe on which it is to be installed.

1037.03 -- Acceptance Requirements

Reinforced concrete pipe, manhole risers, and flared-end sections will be accepted based on the requirements of this Section and sampling and testing requirements in accordance with the NDR *Materials Sampling Guide*.