



SECTION 1068

TRENCH DRAINS

1068.1 Scope. This specification covers trench drains used in median and shoulder drainage systems.

1068.2 Acceptance. All material shall be obtained from a source identified on the Qualified List (QL) designated for this specification.

1068.3 Materials.

1068.3.1 Drain grates shall meet AASHTO M 306 requirements for proof-load testing.

1068.3.2 The drain grate inflow area shall be a minimum of 0.27 ft²/lf. Drain grate retaining devices shall not obstruct hydraulic flow in the channel.

1068.3.3 The drain grate retaining device shall withstand, without maintenance, repetitive cyclic vertical loads of 500 pounds.

1068.3.4 The drain grate retainers shall withstand a pullout resistance of 250 pounds per foot after completing a 1,000-hour ASTM B117 salt spray test.

1068.4 Drain grates shall be bicycle safe.

1068.5 The use and location of the trench drain shall be as shown on the plans.