# Revision of Section 208

# Rigid Inlet Protection Device

Revise Section 208 of the Standard Specifications for this project as follows:

In Subsection 208.02, add (o) to include the following:

*(o) Rigid Inlet Protection Device.* The main housing and fitted filter media shall meet the following requirements:

| Property | Test Method |
| --- | --- |
| Polyethylene Plastic Molding and Extrusion Material | ASTM D4976-00b |
| Nonwoven fabric | ASTM D1117-99 |
| Standard Practice for Stitches and Seams | ASTM D6193-97 |

The main housing of the Rigid Inlet Protection Device shall consist of a premanufactured assembly, which is self-sealing, adjacent to the inlet structure. The inside profile of the main housing shall be cylindrical to follow the radial arc of the domed top of the cover. The top of the housing shall have an open area to facilitate high-flow conditions where large volumes of water must pass.

The filter device shall provide complete coverage of the main housing and provide a two-stage filtering capacity. Construct the fitted pre-manufactured filter device of 100 percent continuous, needle-punched, non-woven engineering fabric with the following fabric properties:

| Weight (oz/sq yd) | ≥ 3  |
| --- | --- |
| Tensile Strength (psi) | 80  |
| Puncture Strength (psi) | ≥ 42  |
| UV Rating | ≥ 70% at 500 h |
| Main Housing Dia. (in) | 60  |

The upper stage of the filter device shall provide coarse screening across the top of the main housing and convey high-flow rates, with a minimum apparent opening of 1/2 inch per square inch (No. 12 standard sieve opening).

The same manufacturer shall make all the components of the device. Provide a sample of the device a minimum of 2 weeks before installation for approval.

Subsection 208.03, (b) shall include the following:

A manufacturer’s representative shall be on site during installation to certify that the correct installation.

**In Subsection 208.05, add (u) to include the following:**

*(u) Rigid Inlet Protection Device.* Place the device over the drop inlet and fill the pocket attachment with gravel or soil at the bottom.

**Subsection 208.11 shall include the following:**

Excavation for the Rigid Inlet Protection Device and all work necessary to complete the procedure will not be paid separately; include them in the work price.

**Subsection 208.12 shall include the following:**

**Pay Item Pay Unit**

Rigid Inlet Protection Device Each