**CULVERT PIPE:**

|  |  |  |
| --- | --- | --- |
| (8-20-19)(Rev. 5-17-22) | 305,310 | SP3 R35 |

Revise the *2018* *Standard Specifications* as follows:

**Page 3-5, Article 305-1 DESCRIPTION,** lines 12-14, replace with the following:

Where shown in the plans, the Contractor may use reinforced concrete pipe, aluminum alloy pipe, aluminized corrugated steel pipe, galvanized corrugated steel pipe, HDPE pipe, Polypropylene pipe or PVC pipe in accordance with the following requirements.

**Page 3-5, Article 305-2 MATERIALS,** add the following after line 16:

**Item Section**

Polypropylene Pipe 1032-9

Galvanized Corrugated Steel Pipe 1032-3

**Page 3-6, Article 310-2 MATERIALS,** add the following after line 9:

**Item Section**

Polypropylene Pipe 1032-9

Galvanized Corrugated Steel Pipe 1032-3

**Page 3-6, Article 310-4 SIDE DRAIN PIPE,** lines 24-25, replace the first sentence of the second paragraph with the following:

Where shown in the plans, side drain pipe may be Class II reinforced concrete pipe, aluminized corrugated steel pipe, galvanized corrugated steel pipe, corrugated aluminum alloy pipe, Polypropylene pipe, HDPE pipe or PVC pipe.

**Page 3-7, Article 310-5 PIPE END SECTIONS**, lines 2-4, replace the second sentence with the following:

Both corrugated steel and concrete pipe end sections will work on concrete pipe, corrugated steel pipe, Polypropylene pipe and HDPE smooth lined corrugated plastic pipe.

**Page 3-7, Article 310-6 MEASUREMENT AND PAYMENT**, add the following after line 14:

**Pay Item Pay Unit**

\_\_″ Polypropylene Pipe Linear Foot

**Page 10-60, add Article 1032-9**:

1. **General**

Use polypropylene pipe from sources participating in the Department’s Polypropylene Pipe QA/QC Program. A list of participating sources is available from the Materials and Tests Unit. The Department will remove a manufacturer of polypropylene pipe from this program if the monitoring efforts indicated that non-specification material is being provided or test procedures are not being followed.

Use polypropylene culvert pipe that meets AASHTO M 330 for Type S or Type D, or ASTM F2881 or ASTM F2764 Double or Triple wall; and has been evaluated by NTPEP.

1. **End Treatments, Pipe Tees and Elbows**

End treatments, pipe tees and elbows shall meet AASHTO M 330, Section 7.7, or ASTM F2764, Section 6.6.

1. **Marking**

Clearly mark each section of pipe, end section, tee and elbow and other accessories according to the Department’s Polypropylene Pipe QC/QA Program:

1. AASHTO or ASTM Designation
2. The date of manufacture
3. Name or trademark of the manufacturer

When polypropylene pipe, end sections, tees and elbows have been inspected and accepted a sticker will be applied to the inside of the pipe. Do no use pipe sections, flared end sections, tees or elbows which do not have this seal of approval.