

1 **SECTION 706 - CONCRETE, CLAY AND PLASTIC PIPE**

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3 Make the following amendments to said Section:

4
5 **(I)** Amend **Subsection 706.02(A) RCP for Drainage System** from lines 8 to 28
6 to read as follows:

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8 **“(A) RCP for Drainage System.** RCP shall conform to AASHTO Load and
9 Resistance Factor Design (LRFD) specifications, and AASHTO M 170 for
10 specified diameters and strength class, and requirements below:

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12 **(1)** Acceptance shall be based on:

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14 **(a)** Plant Certification from the American Concrete Pipe
15 Association (ACPA), National Precast Concrete Association
16 (NPCA), or Precast/Prestressed Concrete Institute (PCI).

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18 **(b)** Certified Plant Load Bearing Test results.

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20 **(c)** Certified Material Test results.

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22 **(d)** Inspection for visual defects and imperfections of the
23 manufactured pipe.

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25 **(2)** Using three-edge-bearing test method, pipe shall be loaded
26 until 0.01-inch crack occurs. Pipe manufacturer shall furnish facilities
27 and provide personnel to perform test according to AASHTO T 280
28 (ASTM C 497). Each section of pipe, in addition to required pipe
29 markings, shall include project identification and inspection lot
30 designation.

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32 **(3)** Precast reinforced concrete pipe end sections shall conform to
33 the requirements above.”

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35 **(II)** Amend **Subsection 706.10 High Density Polyethylene Pipe** from lines
36 535 to 543 to read as follows:

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38 **“(A) High Density Polyethylene Pipe for Drainage System.** Pipe shall
39 be high density polyethylene (HDPE) that meets or exceeds the requirements
40 of ASTM-F714 and AWWA C909-99 standards. Pipe shall also meet the
41 requirements of NSF Standard 61 for potable water. All fittings shall be fused
42 using either a heat fusion welding machine or electro fusion fittings set off by
43 a processor. No compression fittings will be allowed.

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45 **(B)** Before installation, the pipe and fittings, shall be inspected for defects.
46 Material found to be defective before or after installation shall be replaced
47 with sound material without additional expense to the State.
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(C) Fasteners and flange rings shall be hot dipped galvanized.”

END OF SECTION 706