

SECTION 02470 - POTABLE WATER PIPE MATERIALS

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)

Comply with Section 02470 of the Standard Specifications modified as follows:

02470.10 General - Replace the sentence that begins " All materials in contact..." with the following sentence:

All materials in contact with potable water shall conform to ANSI/NSF Standard 61, Drinking Water System Components - Health Effects or equivalent, and ANSI/NSF Standard 372, Drinking Water System Components - Lead Content.

(Use the following subsection .20(a) when ductile iron pipe is required.)

02470.20(a) General - Replace this subsection, except for the subsection number and title, with the following:

Use centrifugally cast ductile iron pipe meeting the requirements of AWWA C151. Ductile iron pipe shall have a cement-mortar lining and seal coating meeting the requirements of AWWA C104. Ductile iron pipe to be joined using bolted flanged joints shall be Special Thickness Class 53. All other ductile iron pipe shall be Special Thickness Class 50, unless otherwise shown or specified.

02470.30 Steel Pipe 6 Inches and Larger - Delete this subsection.

(Use the following lead-in paragraph and subsection .31 when high density polyethylene pipe is required.)

Add the following subsection:

02470.31 High Density Polyethylene (HDPE) Pipe - Use HDPE pipe meeting the requirements of ANSI/AWWA C906, Standard Code Designation of PE3408. Furnish all pipe with a minimum dimension ratio (DR) of 17. Join pipe using thermal butt fusion method that meets the requirements of ASTM D 3261.

02470.35 Steel Pipe Under 6 Inches - Delete this subsection.

(Use the following subsection .60(b) when detectable marking wire is required.)

02470.60(b) Detectable Marking Wire - Replace this subsection, except for the subsection number and title, with the following:

Furnish detectable marking wire with blue colored insulation and according to 00445.11.
Furnish splice kits according to 00445.48.

(Use the following subsection .70 when ductile iron, HDPE, or PVC pipe is required.)

02470.70 Acceptance - Replace this subsection, except for the subsection number and title, with the following:

Ductile iron, HDPE, and PVC pipe will be accepted according to 00165.35 and this Section.