

SECTION 02410 - CONCRETE PIPE

(Follow all instructions and make all edits with “Track Changes” turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 02410 of the Standard Specifications modified as follows:

02410.10(e) Concrete Pipe Plant Air Test - Replace this subsection, except for the subsection number and title, with the following:

The Engineer may require that each length of concrete pipe 12 inches in diameter and smaller be given an individual air test at the point of manufacture. Use test Equipment approved by the Engineer and a test pressure of at least of 10 psi. Ensure each length shows no appreciable loss of air after 5 seconds.

When individual air testing is performed, no field or shop permeability tests are required.

02410.10(f) Nonreinforced Concrete Pipe - Replace this subsection, except for the subsection number and title, with the following:

Furnish nonreinforced or plain circular concrete pipe and special sections according to the requirements of AASHTO M 86 (ASTM C14) or ASTM C985 and this Section.

02410.10(g) Reinforced Concrete Pipe - Replace this subsection, except for the subsection number and title, with the following:

Furnish reinforced concrete pipe and special sections according to the requirements of AASHTO M 170 (ASTM C76) and this Section, except as follows.

(1) Special Sections - Furnish special sections such as elbows, wyes, tees, crosses, bends and reducers as shown, specified or directed. In the absence of any design or Specifications, furnish special sections of the design recommended by the manufacturer for the intended use and according to the requirements specified for the pipe where it is used.

Fabricate special sections with components from tested and approved lots. Maintain production dates of components.

(2) Load Strength - Reinforced concrete pipe having the same D-load strengths as those specified to be furnished under AASHTO M 170 (ASTM C76) may be furnished according to AASHTO M 242 (ASTM C655).

(3) **Acceptance** - The basis of acceptance for reinforced concrete pipe manufactured according to AASHTO M 170 (ASTM C76), and AASHTO M 242 (ASTM C655) is Paragraph 5.1.1 of AASHTO M 170.

02410.10(h) Concrete Drain Pipe - Replace this subsection, except for the subsection number and title, with the following:

Use circular, nonreinforced perforated concrete pipe and special sections for subsurface drainage according to the requirements of AASHTO M 175 (ASTM C444), Type 1, all applicable requirements of AASHTO M 86 (ASTM C14), except indent the markings required by AASHTO M 86 (ASTM C14) in the outside surface of each section of pipe.

02410.10(i) Concrete Drain Tile - Replace this subsection, except for the subsection number and title, with the following:

Furnish concrete drain tile according to the requirements of AASHTO M 178 (ASTM C412).

02410.80 Acceptance - Replace this subsection, except for the subsection number and title, with the following:

Except as provided in 02410.10(g)(3), acceptance of nonreinforced concrete pipe, reinforced concrete pipe, concrete drain pipe, concrete drain tile, and hardware is according to 00165.35 and this Section.