

**CITY OF FORT SMITH SUPPLEMENTAL SPECIFICATION
TRENCH & STRUCTURE EXCAVATION AND BACKFILL**

SECTION 205 of the Standard Specifications for Public Works Construction, October 2018 Edition, is hereby amended as follows:

205.05 BEDDING

This sub-section shall be deleted in its entirety and replaced with the following:

All pipe, boxes, and conduits shall be installed on a firm and stable bedding material that conforms to the grade of the pipe and provides contact with the pipe at every point throughout the entire length of the pipe. Pipe shall be bedded in accordance with Class "B" Bedding from the trench subgrade to a minimum of 6 inches above the pipe. This area shall be referred to herein as the "pipe zone." Box culverts and conduits shall have the same "pipe zone" as pipe.

Bell holes shall be excavated in the bedding material immediately prior to placing the pipe in the trench and shall be such depth that the pipe bell will not come into contact with the pipe bed. After the joint has been made, the bell hole shall be carefully filled with bedding material to provide support for the pipe throughout its length. Blocking shall not be used to bring the pipe to grade.

Bedding material shall be placed within the pipe zone, with maximum lift thickness of 8 inches, by any approved method which will not injure or disturb the pipe and will result in the compaction specified in subsection 205.08.

Placing of concrete encasement around the pipe shall be accomplished in such a manner that will prevent flotation of, or damage to, the pipe. The pipe shall be supported on concrete blocks at approximately 6 foot spacing. During pouring, the concrete shall be thoroughly vibrated to ensure the filling of all voids with concrete under the bottom and under the haunches of the pipe.

When called for on the plans or in the Special Conditions, or as directed by the Engineer, bedding for structures shall be provided as specified. Sand shall not be used for fine grading or bedding beneath structures.