

SECTION 618—CONCRETE COLLAR FOR PIPE EXTENSION

618.1 DESCRIPTION—This work is construction of a concrete pipe collar for extending existing pipe(s) from an endwall or other structure.

618.2 MATERIAL—

- Class A Cement Concrete—[Section 704](#)
- Mortar—[Section 1001.2\(e\)](#)
- Reinforcement Bars—[Section 709.1\(a\)1](#)

618.3 CONSTRUCTION—As shown on the [Standard Drawings](#) for pipe diameters up to 825 mm (33 inches), as indicated for larger diameter pipe, and as follows:

(a) General. Remove a portion of the endwall footer, if required to obtain proper pipe alignment, using acceptable equipment and methods.

Obtain acceptance for drilling equipment and methods before drilling. Drill 25 mm (1-inch) holes in the existing structure with equipment and so that does not damage the existing structure. Clean material from the full depth of the holes before placing the reinforcement and grout. Grout the reinforcement in place, using non-shrinking mortar placed to ensure complete bonding of the reinforcement to the grout and the existing structure. Completely fill all holes with mortar, and after placing the reinforcement remove excess mortar protruding from the structure. Obtain acceptance for adjustments required to obtain final horizontal and concentric alignment.

(b) Cement Concrete. Construct the collar, as specified in the applicable parts of [Section 1001.3](#), after placing the pipe extension, as specified in [Section 601.3\(i\)](#).

(c) Excavation and Backfill. Excavate as required. Backfill excavated spaces around the collar, using acceptable embankment material, as specified in [Section 206.3\(b\)4](#). Satisfactorily dispose of unsuitable and surplus material.

618.4 MEASUREMENT AND PAYMENT—Lump Sum