449 PRECAST CONCRETE DRAINAGE PRODUCTS.
(REV 4-15-19) (FA 6-17-19) (1-20)

ARTICLE 449-2 is deleted and the following substituted:

449-2 Materials.

Ensure that the materials used for the construction of the precast drainage products have a certification statement from the source, showing that they meet the applicable requirements of the Specifications with the following modifications:

- Reinforcing Bar ...................................................Section 415
- Coarse Aggregate* ..............................................Section 901
- Fine Aggregate* ..................................................Section 902
- Portland Cement and blended cement.................Section 921
- Water...................................................................Section 923
- Admixtures..........................................................Section 924
- Supplementary Cementitious Materials ..............Section 929
- Gasket Material.....................................................Section 942
- Blended Hydraulic Cements ...................... AASHTO M 240
- Welded Wire Reinforcement .........................Section 931
- Wire for Site Cage Machines...........................Section 931
- Liner Repair Systems.........................................Section 948

*For concrete pipes the gradation requirements of concrete aggregates as set forth in Sections 901 and 902 are not applicable.