



**SPECIAL PROVISIONS  
FOR  
SANITARY AND STORM SEWER PIPE AND STRUCTURES MATERIALS**

**Johnson County  
HDP-3715(652)--71-52**

**Effective Date  
April 19, 2016**

**THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.**

**PART 1 GENERAL**

- 1.01 Delete Article 4149.02, A, 6, b of the Standard Specifications in its entirety and insert the following in its place:
- b. T-Lock PVC Lining liner shall be Ameron T-Lock PVC liner manufactured by Ameron Protective Lining Products. Liner shall meet the following requirements:
    - 1) Plastic liner plate sheets, welding strips and other accessory items shall meet following physical properties when tested at 77°F, plus or minus 5°:
      - a) Tensile strength: 2,200 psi minimum.
      - b) Elongation at break: 200%.
      - c) Shore Durometer, Type D:
        - (1) 1-sec, 50-60.
        - (2) 10-sec, 35-50.
    - 2) Liner sheets, including locking extensions, all joint, corner and welding strips shall be free of cracks, cleavages, or other defects adversely affecting the protective characteristics of the material. Pipe joints shall be Ameron Type P-1 joint.
    - 3) Liner physical characteristics:
      - a) Liner sheets a minimum of 0.065-inch thick.
      - b) Locking extensions 2.5 inches apart and minimum 0.375 inch high.
    - 4) Install liner in accordance with manufacturer's instructions. Weld pipe joints and junctions with PVC-lined structures in accordance with manufacturer's recommendations.
    - 5) Cure pipe lining in accordance with manufacturer's recommendations, 5 days minimum.