

The purpose of this brief specification is to complement existing specifications with the inclusion of end seals in order to seal the area where the liner penetrates the manhole structures. The specification and the specified product are designed for use with CIPP, Fold & Form or Deformed & Reformed pipe lining rehabilitation projects. This specification should be included in the sections for "MATERIALS FOR MAINLINES" in the lining specifications section.

Include the following verbiage in a separate paragraph:

Contractor is to install hydrophilic end seals at all manhole penetrations prior to mainline rehabilitation. The end seals must be composed of hydrophilic rubber and molded as a one-piece, 3-inch wide cylinder which when installed will form a 360 degree seal between the host pipe and the newly installed liner. The use of caulking, rope or band type of an end seal will not be allowed. Acceptable End Seals are Insignia™ End Seals by LMK Technologies, www.lmktechnologies.com (815) 433-1275, or pre-approved equal.