



REGIONAL CONSTRUCTION STANDARDS

FOURTH EDITION

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URS

4. Minimum liner thickness:
 - a. **Minimum liner thickness for a nominal pipe diameter of 6 inches shall be 4.5 mm.** Minimum liner thickness for nominal pipe diameters of ~~6~~ 8 to 12 inches shall be 6 mm. Minimum liner thickness for nominal pipe diameters of 14 to 16 inches shall be 8 mm. Minimum liner thickness for nominal pipe diameters of 18 inches shall be 9 mm.
 - b. Liner thicknesses may be modified with the approval of supporting calculations by the Contractor's Professional Engineer, however, in no case shall thicknesses be less than the above.

- B. Prior to initiation of a specific project the Contractor shall submit the following information for review and approval.
 1. Shop drawings and product data for the rehabilitation method including a report outlining the process to be used in the rehabilitation of the sewer line. The report shall also include information specific to the job, such as coordination issues, access, timing, manufacturer's installation instructions and bypass pumping.
 2. Infrared spectrum analysis for proposed resin and confirmation of the resins meeting ASTM D 5813.
 3. Detailed description of lubricant proposed for inversion process. Lubricant shall be compatible with the Hampton Roads Sanitation District's wastewater treatment plant operations and pretreatment program.
 4. Certification of resin volume and required 5% to 10% addition.
 5. Certification from resin manufacturer regarding approval of resin dye quantity and type.
 6. Information on the maximum allowable tensile stress for the tube from the felt manufacturer.
 7. All measurements made by the Contractor to verify length and diameter of pipe prior to ordering of material.
 8. Results of testing for materials provided for this job, as specified in this Specification.
 9. One complete set of CDs/DVDs from each of the television inspections performed (Pre- and Post-Installation TV Inspection), as specified in Section 811 - Television Inspection. The Owner shall specify the storage media.

II. EXECUTION

2.1. GENERAL