

December 2, 2003

City of Atlanta
55 Trinity Avenue, S.W.
Suite 5400 South Building
Atlanta, Georgia 30335-0310

Attention: Mr. Charles Brown, Project Manager
Engineering Operations

RE: Final Approval for the City of Atlanta Manhole Rehabilitation Specifications

Dear Mr. Brown:

Mayes, Sudderth & Etheredge, Inc. has been requested by Poly-Triplex Technologies, Inc. to review available data and provide professional opinion on the service life of the Poly-Triplex Liner System. MSE has reviewed the materials supplied by Poly-Triplex Technologies, Inc. and the independent test results of the Poly-Triplex Liner System and they indicate a service life of 50+ years.

MSE believes the service life of the product can be increased to 100+ years based on the physical properties of the Poly Triplex Liner System.

MSE suggests the following:

- 1) MSE suggests that the City and their Engineer conduct a pilot project that reflects the actual use proposed by the City.
- 2) That the structural components on which the product is to be used is sufficient to last for the 100-year service period.
- 3) That the owner and their design engineer's design of the system are based upon actual flow and quality of the sewage that the system will convey, which meets normal municipal sewage as per ASTM No. 5813, Table 1, and that the sewer system design is in accordance with high engineering standards and practices.
- 4) That the contractor installs the system in accordance with the manufacturer's recommendation and the City's specifications.
- 5) The City/Engineer provides inspection during construction to ensure proper construction methods are followed.

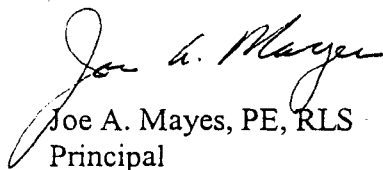
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- 6) That a regular system of testing for quality control of the sewage is provided by the City/Engineer to make sure that no foreign materials are introduced into the system that were not considered by the design engineer. That the manufacturer provides a regular system of inspecting and testing for quality control of the product to make sure the product is performing as expected.

MSE believes that if the above items are utilized and the design and installation is tailored to the actual conditions, that the product will add structural integrity to the existing structure and can achieve a service life of 100 years in normal municipal sewer usage.

Sincerely,

MAYES, SUDDERTH & ETHEREDGE, INC.



Joe A. Mayes, PE, RLS
Principal

cc: Kathryn M. Jones, Vice President
Jimmy Stewart, Regional Manager

JAM/pkl