



Clarifier pressure pipe rehabilitation at WWTP

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DUNS# 808382642

CAGE# 60B14

NAICS CODES

- 237110 – Water and Sewer Line and Related Structures
- 325211 – Plastic Material and Resin Manufacturing
- 326122 – Plastic Pipe and Pipe Fitting Manufacturing
- 562998 – All Other Miscellaneous Waste Management Services

CERTIFICATIONS

Federal/National:

- SBE – Small Business Enterprise

State/Regional:

- FDOT Prequalified
- MDOT Prequalified

AFFILIATIONS

- North American Society for Trenchless Technology - NASTT
- National Association of Sewer Service Companies - NASSCO
- Water Environment Federation – WEFTEC
- American Water Works Association – AWWA
- American Public Works Association – APWA
- The Construction Underground – TCU
- Michigan Infrastructure and Transportation Association – MITA
- Northeast Superintendent Association – NESAs
- American Society for Testing and Materials - ASTM

REFERENCE DOCUMENTS

ASTM F1216 – Standard practice for rehabilitation of existing pipelines and conduits by the inversion and curing of a resin-impregnated tube.

ASTM F1743 - Standard practice for the rehabilitation of existing pipelines and conduits by the pulled-in-place installation of cured-in-place thermosetting resin pipe (CIPP).

ASTM D5813 - Standard specification for cured-in-place thermosetting resin sewer pipe.

ASTM C581 - Standard practice for determining chemical resistance of thermosetting resins used in glass fiber reinforced structures, intended for liquid service.

ASTM D790 - Test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials.



REHABILITATION WITH CURED-IN-PLACE-PIPE Capabilities Statement



Lanzo Lining Services was formed in 1993 to provide a more cost-effective alternative to replacing failed pipelines using the cured-in-place pipe method (CIPP). This technology gives project owners the option to use one of the most advanced trenchless technologies to successfully rehabilitate pipelines. Lanzo Lining has over seven (7) million feet of CIPP throughout Florida, Michigan, as well as other regions within the United States and Canada. Installations have ranged in size from 4" to 144".

Lanzo Lining Services is among a handful of companies qualified to use a cured-in-place pipelining technology to rehabilitate deteriorated pipelines.

Lanzo Lining Services customers are finding the benefits of cured-in-place pipelining to regain structural integrity and reduce infiltration, inflow and exfiltration at lower cost, in less time, and with fewer inconveniences to the owner and respective communities.

Lanzo Lining Services provides high quality, cost effective and on time results while meeting all Federal, State and Municipal regulations. We hold the highest level of ethics and are committed to ensuring the safety of our employees along with the convenience and safety of the people within the communities we service.

At Lanzo Lining Services we value our employees and the residents of the communities in which we serve. Lanzo Lining Services has been leading competitor in the CIPP industry for over 17 years,

originating in Pompano Beach, Florida, with offices in Deerfield Beach and Roseville, Michigan. Lanzo Lining Services is an equal opportunity employer employing a highly diverse staff of over 100 people which provides a full range of CIPP services and contracting capabilities.

SERVICES OFFERED BY LANZO LINING

- Sewer Cleaning
- Internal video inspection "CCTV"
- Manhole to manhole CIPP lining meeting ASTM F1216 & F1743.
- Trenchless Storm Sewer Rehabilitation
- Trenchless Sanitary Sewer Rehabilitation
- Lateral reinstatement and sealing
- Lateral Lining
- Manhole verification and repair
- Trenchless Forcemain rehabilitation
- Watermain Lining meeting NSF61
- Fully Integrated wet out facility in Pompano Beach, Florida
- Fully Integrated wet out facility in Roseville, Michigan
- QA/QC including Third party testing of liner runs installed
- 50 year service life expectancy
- 5 year warranty for all materials and workmanship
- Lanzo Citiliner - mobile wet out facility using non-styrenated "GREEN" Epoxy resins
- ISO 9002 Materials and Suppliers



Frontal view of 60 inch diameter direct inversion



Finished outfall product at the headwall

Our service is the daily solution of problems and pursuit of a quality installation. This is not simply the installation of a product but rather the accomplishment of a complete sequence of events ranging from site inspection, pipe preparation, delivery of resin impregnated felt tubes from "wet out" to installation, utility reinstatement and job site cleanup with minimal disruption to the surrounding community is the approach to every phase of the CIPP project.

PRECONSTRUCTION PHASE – prior to commencing work, a pre-construction meeting shall be held to submit and review the following:

- Work schedule, including anticipated start and completion date.
- Maintenance of traffic plan
- Material certification and other submittals
- Material safety data sheets
- Engineering calculations for liner thickness design
- By-pass pumping plan
- Sub-contracting
- Certificate of insurance submitted

CONSTRUCTION PHASE

- Inspection
- Remove all debris and televise the pipe prior to lining
- Set up approved MOT and/or lane closures.
- Dewatering and by-pass pumping
- Point repair to remove obstruction prior to pipe renovation
- Tube preparation, installation, curing and cool down
- Lateral reinstatement and liner terminations
- Final inspection

POST CONSTRUCTION

- Submit pre-installation videos and sewer logs of line segments
- Submit post-installation videos and sewer logs of the completed CIPP and reinstated laterals
- Submit structural test data from an independent third party testing lab
- Submit installed CIPP thickness measurements from an independent third party testing lab



Environmentally friendly "Green Resin Formulations"

Lanzo Lining Services has remained an innovator and pioneer installer of CIPP as trenchless pipeline rehabilitation technologies have gained extraordinary acceptance due to the changing chemical environment along with enforcement of clean water regulations. Lanzo Lining has experience in many cutting edge applications such as:

- Large diameter & non-circular storm drains
- Over the hole wet out and installation
- Pressure rated force main sanitary sewer
- NSF 61 certified water main rehabilitation
- Green resin utilization in wetland or environmentally sensitive areas
- Submerged or canal enclosure pipeline rehabilitation
- Sanitary sewer collection systems
- High temperature chemical concentrations and industrial sewers
- Air duct ventilation repair & vacuum pressure line