

ADDENDUM NO. 2
GEITNER BASIN SEWER SYSTEM REHABILITATION
CITY OF HICKORY, CATAWBA COUNTY, NORTH CAROLINA

**ADDENDUM NUMBER TWO
TO
GEITNER BASIN SEWER SYSTEM REHABILITATION
CITY OF HICKORY
CATAWBA COUNTY, NORTH CAROLINA**

This Addendum Number Two is issued this the 15th day of November 2016 to all parties who hold a set of Bid Documents for the project entitled: "Geitner Basin Sewer System Rehabilitation, City of Hickory, Catawba County, North Carolina". This Addendum No. 2 shall become part of the Contract Documents and its receipt shall be acknowledged on the bid documents at the time of bidding.

REVISIONS TO CONTRACT DOCUMENTS

SECTION 332762 – CURED-IN-PLACE PIPE (CIPP)

Amend 1.04.A.1.a to read "ASTM-F1216."

Add the following as paragraphs 3.02.A.7 & 8 and renumber current 7 & 8 ad 9 & 10:

The Contractor may use a steam curing method as specified by the resin/catalyst system manufacturer and ASTM F1216. Steam-generating equipment must be capable of delivering desired heat and pressure uniformly throughout the section, for a consistent cure of the resin. The curing temperatures and pressures shall be as recommended by the resin/catalyst system of the resin manufacturer. The steam source shall be fitted with suitable monitors to gauge the temperature of the outgoing steam. Another such gauge shall be placed between the impregnated tube and the invert to the original pipe at the manhole(s) to determine the temperatures during the resin curing process. Initial cure may be considered completed when the exposed portions of the felt tube pipe appear to be hard, and the remote sensing device indicates the temperatures to be adequate, as recommended by the resin/catalyst system manufacturer, and approved by the Engineer. Post cure temperature must be maintained by continued steam distribution for the minimum period recommended by the resin/catalyst system manufacturer during the curing process.

The Contractor shall cool the hardened, steam-cured pipe to a temperature below 113° F before relieving internal pressure. Cool water may be introduced into a section while releasing the mixture of air and steam from a small hole in the opposite end of the CIPP. Care shall be taken in the release of the water column so that a vacuum will not be developed that could damage the newly installed pipe. Coupon samples shall be obtained for testing at this time. Cool down process may vary depending on the installation technique of the manufacturer/contractor.

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SECTION 322770 – MANHOLE REHABILITATION

Renumber this section to 332770.

END OF ADDENDUM NO. 2

This Addendum Number Two is issued this the 15th day of November 2016.

MIKE WARESAK, PE



**McGILL ASSOCIATES, P.A.
CONSULTING ENGINEERS
ASHEVILLE, NORTH CAROLINA**



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