



City of **GREENSBORO** *North Carolina*

Water Rehab Project “M”

Contract 2012-076

January 4, 2016



Epoxy Waterline Rehabilitation

By the Numbers...

- Water Resources began a dedicated water main epoxy lining rehabilitation program in 2004.
- Previous FY 2014-15 funding was \$1,968,000.
- Current FY 2015-16 funding at \$2,186,000.
- In a test done in 2006 before and after the area had been rehabbed the water flow improved from 800 gpm to 2,400 gpm.



Epoxy Waterline Rehabilitation

Water Line Rehab to Date

- 292,728 LF (55.44 miles)
- Sizes range 6 to 12 inches
- 588 new fire hydrants
- 555 valves replaced





Epoxy Waterline Rehabilitation

Waterline Cleaning

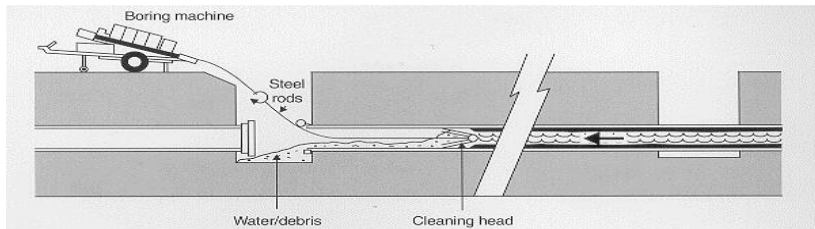
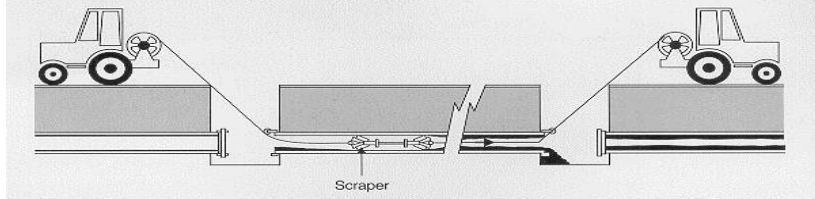


Figure CP1.1 Power Boring - diameter range 75mm to 250mm: to remove debris and encrustation from the pipe



Waterline Lining





Epoxy Waterline Rehabilitation

Why Have Extendable Contracts?

- Lower unit prices since contractors are assured more work over a longer period of time.
- Provides on-call for emergency and urgent work.
- Provides flexibility in scheduling work.
- Saves money by reducing contracting and engineering costs vs. separate contracts.
- Provides continuity and quality of work reducing risk and minimizing customer service issues/complaints.



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Action Requested:

The Water Resources Department recommends and requests that City Council approve the change order Contract 2012-076 “M” in the amount of \$2,186,000.00

