



Utility Field Operations

Wastewater Pumping
Wastewater Transmission
Stormwater
Water and Reuse Distribution
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MEMORANDUM #2019-21

DATE: May 3, 2019
TO: Otis Thomas, General Services Director
FROM: Nathaniel Watson, Water Distribution Supervisor
C. A. Randolph Brown, Utilities Director
SUBJECT: Trenchless Technology / Pipe Bursting

The City Utilities Department has various annual CIP programs which address underground utility system resiliency through maintenance and/or replacement of water/reuse distribution and wastewater and stormwater collection systems. These programs serve to maintain and improve service to all City service areas and customers. Trenchless technology/pipe bursting is a new tool that the Department shall implement in maintaining the high quality standard of service and lower cost impact to all rate payers.

Trenchless technology/pipe bursting is a specialized methodology that has grown considerable in South Florida and has been utilized by many municipalities including Pompano Beach in addressing utility infrastructure improvements. The technique repairs and replaces existing underground utility assets without traditional pipe-laying open trenching. The asset is replaced in its original foot print or location with reduced impact to the community. Restoration costs and open cut safety considerations typically associated with conventional pipe laying installations are minimized.

In most cases the approach is regarded as a maintenance by regulatory agencies. This allows the utility to expedite installation and place the asset in service responsibly and to regulatory standards without delay from the traditional regulatory review and approval process.

The Utilities Department request consideration to add and utilize this method as needed to our current CIP programs and maintenance efforts in providing improved service in a more cost efficient manner. Procurement of this service shall be through the following budgeted accounts:

- ❖ 420-7282-533-06904
- ❖ 420-7309-533-07391
- ❖ 426-7586-538-06512
- ❖ 420-7248-535-04870

Collectively, the Utilities Department is estimated to do \$1,000,000 in procurement given regulatory requirements and the likely on-going projection of CIP improvements in the City of Pompano Beach and its service areas.