



Florida's Warmest Welcome

**City of Pompano Beach
UTILITIES ADMINISTRATION**

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MEMORANDUM NO. 17- 18

DATE: March 23, 2017

TO: Otis J. Thomas, General Services Director

FROM: A. Randolph Brown, Utilities Director

SUBJECT: Emergency Purchase/Repair of 21" Wastewater pipe

We have a collapsing 21" wastewater collection pipe that runs from the middle of Atlantic Blvd to our liftstation on NW 1st Street (286 ft.). Right now, we have a 10 foot section that has collapsed and needs repair and is 15 feet deep.

We checked with Intercounty Engineering and they quoted \$267,000 to replace 15 feet of pipe. After the pipe repair we would need to line the entire length. Insitutform quoted \$23,875 to line the pipe. For a total cost of \$290,875.

The City of Sunrise held a class on pipeline repair and replacement and we met the people from Murphy Pipeline. We asked them for a quote. They came on site and suggested an alternate method of repair. We request a sample of the product they were suggesting. It is a 19 "diameter pipe that is 5/8" thick High-Density Polyethylene (HDPE) pipe that will slide into the existing wastewater pipe. To pull this liner the entire length they quoted \$112,627. The liner has an expect life of over 100 years.

This method protected the entire surrounding area of businesses and traffic plus saved our rate payers \$178,248.