



specialized in
**Submerged
Storm- Drain-
&
Potable Water Maintenance**

AQUA-NAUTIK
UNDERWATER-WORK LLC
SINCE 2001

Flooding strands drivers at Publix parking lot in Aventura



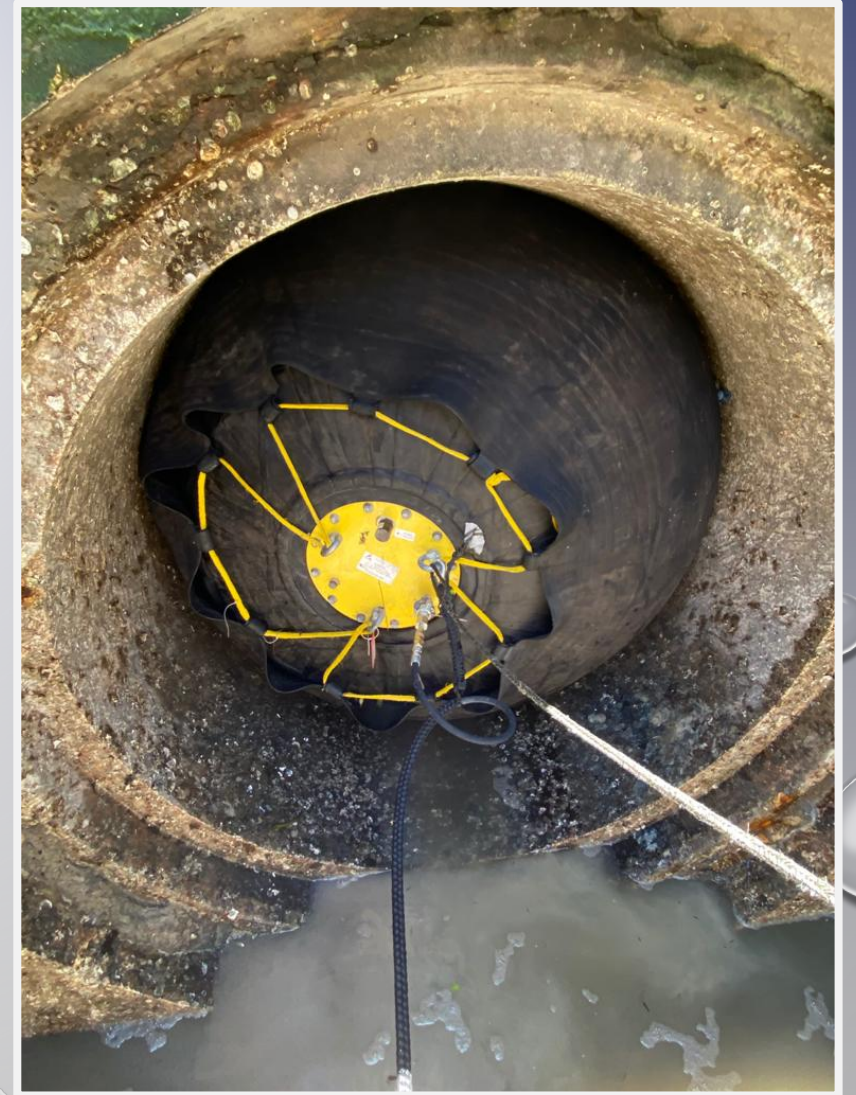
FLOODING AVENTURA



DE-SLUDGING, DE-SANDING OF STORMWATER PIPE DEPOSITS



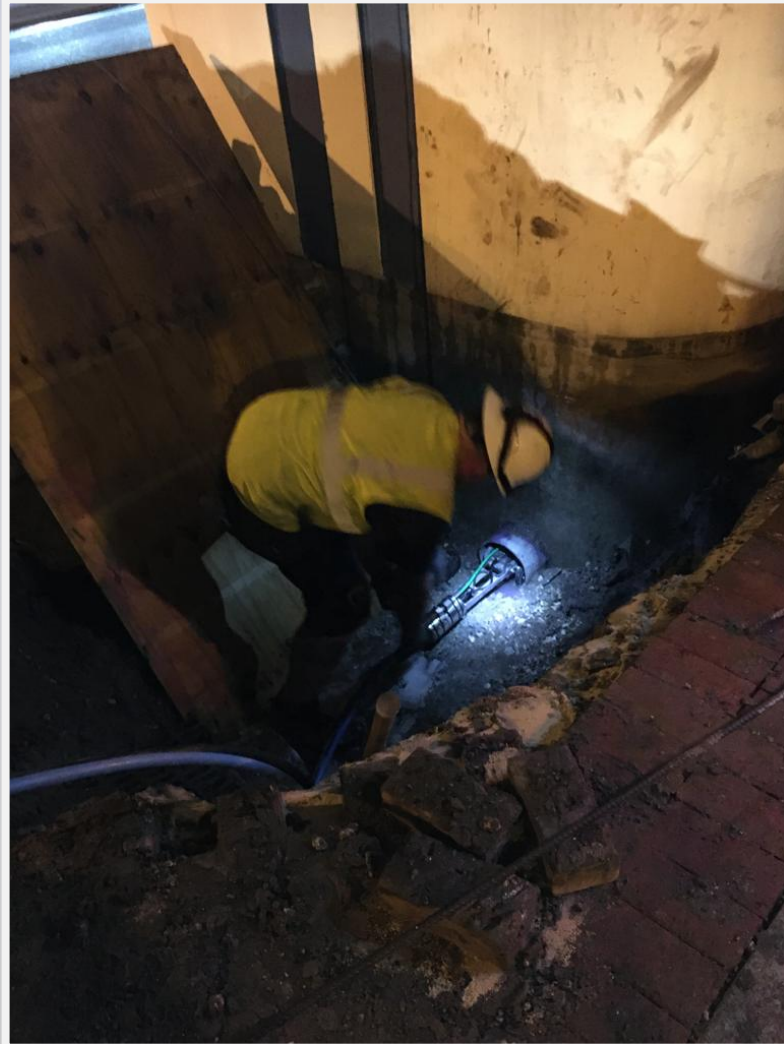
BACK FLOW PREVENT VALVE INSTALLATION



VALVE & PIPE PLUG INSTALLATION/REMOVAL



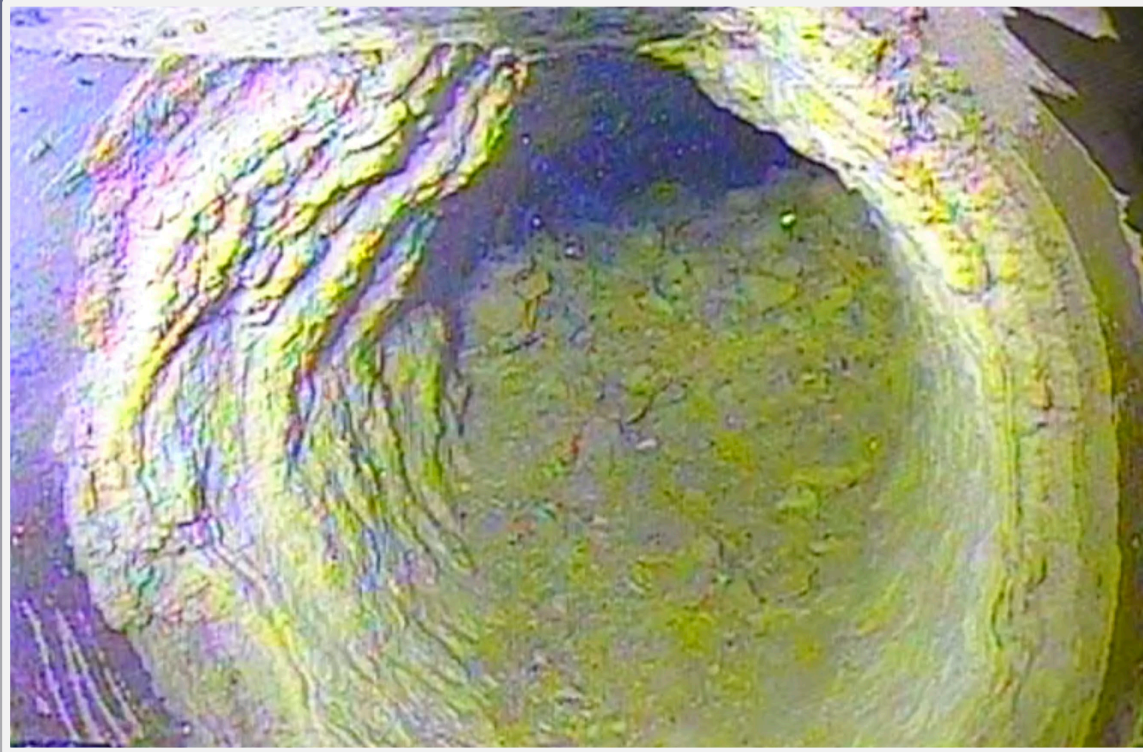
Selmon Extension Bridge, Tampa



STORMWATER DRAIN – CONCRETE REMOVAL



POTABLE WATER TREATMENT PLANT



BUILD UP'S

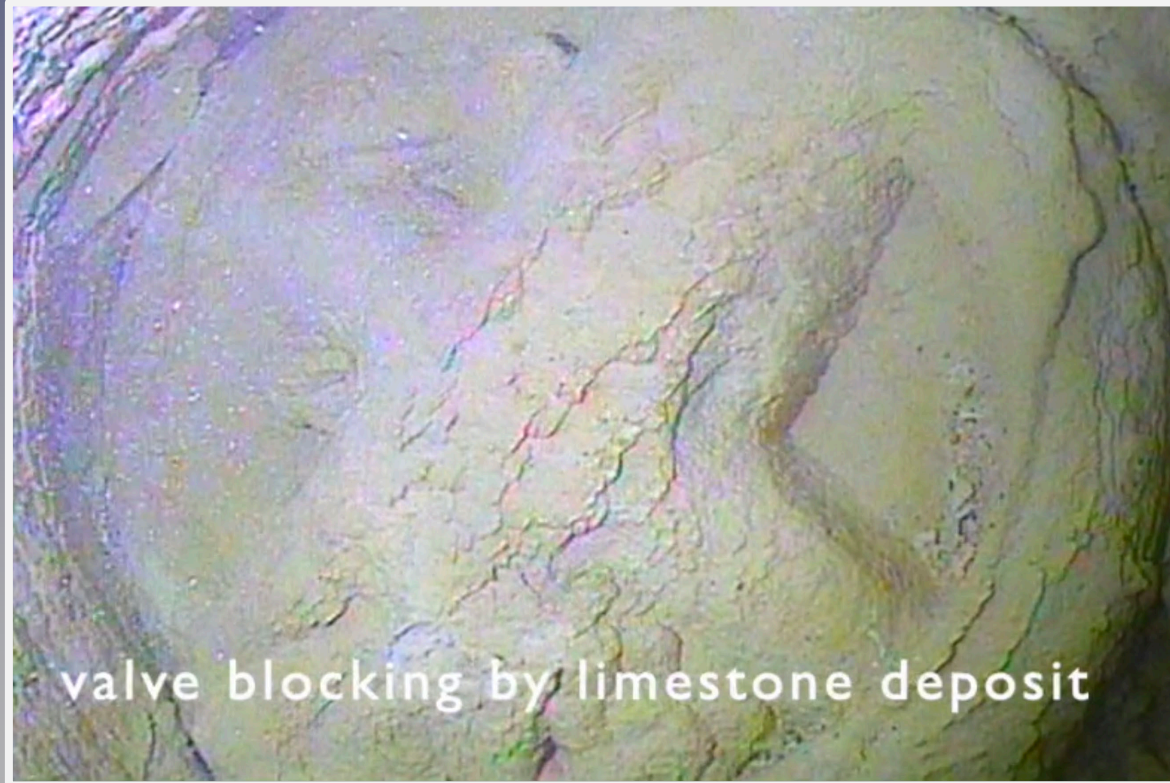


cleaned



valve blocking by limestone deposit

REMOVED BUILD UP'S



POTABLE PLANT - LIME STONE REMOVAL



**High Pressure Robot
Built in Live Video Camera**



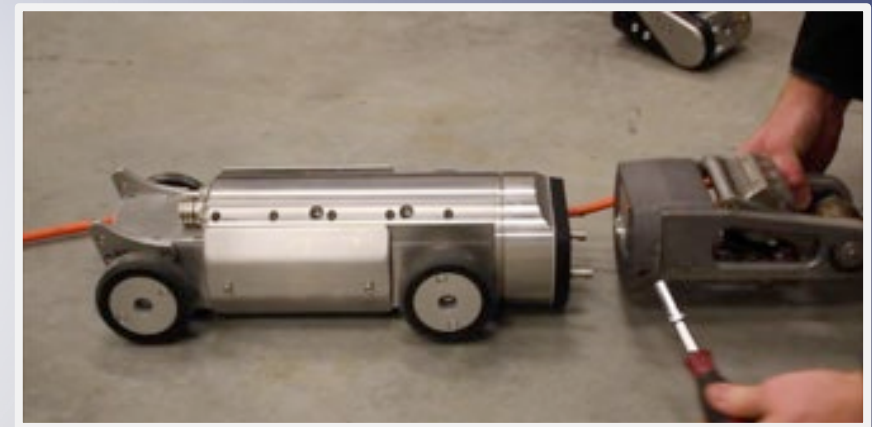
**High Pressure Power Unit
Up to 20,000 psi WJ 160**

HYDRO JET ROBOTIC BLASTING

WATER JET

GRINDER

CUTTER



FLEXIBLE SYSTEM CONFIGURATIONS



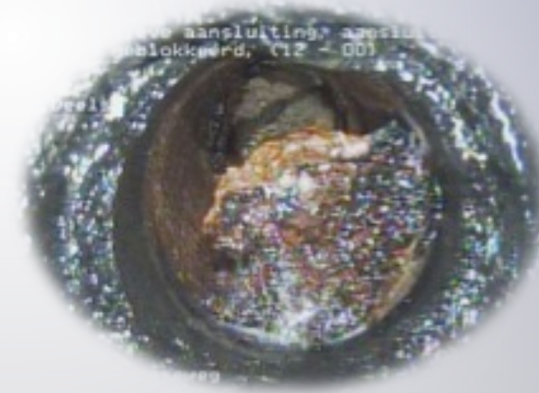
TRENCHLESS HYDRO JET ROBOTIC BLASTING

HIGHLY EFFICIENT

Operation in Submerged Pipes
Targeted Application
Easily Cuts Through Roots
Removal of Calcium and Concrete
Multi-Functional; Add-on Modules
Cost Saving

SAFE APPLICATION

Cross Bore (Gas Line)
Lower Risk for Pipe Damage
Eyes on the Job



Root-Blocked Lateral



Cross-Bored Gas Line

BENEFITS OF ROBOTIC PRECISION HYDRO JET BLASTING

Highly efficient and cost
saving If you Deal with

Water Intrusions

Concrete/Cement Blockage

Lime Stone/Calcium deposit

Roots

Rebar

other obstacles

...in Your Water Mainlines



PEMBROKE PINES
CITY COMMISSION

Frank C. Ortis
MAYOR
954-450-1020
fortis@ppines.com

Iris A. Siple
VICE MAYOR
DISTRICT 3
954-450-1030
isiple@ppines.com

Jay D. Schwartz
COMMISSIONER
DISTRICT 2
954-450-1030
jschwartz@ppines.com

Thomas Good, Jr.
COMMISSIONER
DISTRICT 1
954-450-1030
tgood@ppines.com

Larissa Chanzas
COMMISSIONER
DISTRICT 4
954-450-1030
lchanzas@ppines.com

Charles F. Dodge
CITY MANAGER
954-450-1040
cdodge@ppines.com

Notice of Intent to Award a Sole Source Procurement

Date: May 20, 2020

NTSS # PSUT-NTSS-20-01
"High Pressure Cleaning - Descaling Potable Water Pipes"

THIS IS NOT A COMPETITIVE BID

The proposed contract action is for product or services for which the City of Pembroke Pines intends to negotiate and award with only one source under the authority of the City of Pembroke Pines Code Section 35.18 (C) (3) City standard, single-source and sole-source commodities or services. Any responses received as a result of this Notice of Intent shall be considered solely for the purpose of determining whether to conduct a competitive procurement in the future. Responses will not be considered as proposals, bids, or quotes.

The Procurement Division has received a request to make the following sole-source procurement:

Requesting Department/Office: Utilities Division

Product and/or services to be purchased: High pressure Cleaning / Descaling Potable Water Pipes

Sole Source Justification:

Calcified lime on in-service 30" DIP process piping is a significant problem in our water treatment plant. Traditional jetting technology was unsuccessful in removing the hardened material. Over the years, the lime deposits accumulated enough mass in the effluent pipes to cause hydraulic restrictions and ultimately affect production in the treatment units.

Through extensive research and the successful development of inspection and cleaning techniques geared specifically to the problem of excessive calcification of process pipes at a drinking water plant, Aqua-Nautik Underwater-Work, LLC has provided a successful demonstration of the following "unique" solution:

1. Use of remotely operated vehicles (ROVs) for pipe inspection and videotaping of pipe condition
 2. High pressure (up to 20,000 psi @20gpm) milling robot and pump unit for cleaning/descaling to bare metal (if required) using dedicated "clean water" equipment.
 3. Ability to work while plant is 100% operational and pipes are filled with water
 4. Commercial/Industrial scuba divers for support of robot and debris management inside of the 30" pipe. Complete dive trailer support.
 5. Heavy duty jetting of removed debris to collection point with real-time video for efficiency
 6. Air-lift suction system for removal of accumulated debris out of pipe for disposal
- The City has interviewed and sought proposals from numerous companies to perform this level of cleaning and Aqua-Nautik was the only company to offer a pilot test of their capabilities. The test was very successful and tremendous amounts of calcified material was dislodged (to bare metal) and removed for disposal. Based on the results of the test, the City is confident that Aqua-Nautik has the capability to perform the required cleaning work, and no other company has given us the level of confidence or showcased their ability to match that effort to date.

City of Pembroke Pines | Procurement Division | 8300 S. Palm Drive | Pembroke Pines, FL 33025
954-518-9020 | purchasing@ppines.com | www.ppines.com

SOLE SOURCE PROCUREMENT LETTER

AQUA-NAUTIK Underwater-Work LLC

5225 NW 35th Ave
Fort Lauderdale, FL 33309

☎ (954)775-0704

✉ info@aqua-nautik.com

🌐 www.aqua-nautik.com



QUESTIONS & ANSWERS