

Storm Water Pipe Cleaning at Retirement Facility in Florida



A private retirement facility located in Sumter County, Fla., is one of the largest retirement communities in the country, and still growing. With close to 100,000 residents, this golf course community has an expansive network of storm water infrastructure to accommodate all the residential growth. Its problem was that a 60-in. storm water line had accumulated a large deposit of sand, blocking the flow of water inside the pipe. The blockage was 375 ft from the closest access point on the street, and the pipe was in the middle of a residential neighborhood. Further, the work needed to be performed in December, the peak month for Florida's seasonal residents and their activities.

In December 2013, the facility sought assistance from Polston Applied Technologies to remove the sand deposit and restore flow to the line. Polston brought its PAT 949 Combination Truck to the site, and was able to extend the jetter from the outlet to the sand plug 375 ft away. Using a powerful water jetting system and proprietary grit and sand removal process, the Polston crew was able to jet the sand downstream to a down hole pump for removal. The sand and grit were filtered into a containment tank, then hauled away and disposed of. Water used in the process was returned to the storm water line.

The sand deposit was completely removed and flow to the storm water line fully restored, and the work was accomplished in two days. Due to the quiet operation of the PAT 949 Combination Truck, the entire cleaning/removal operation had almost no impact on the daily neighborhood activities. The client was pleased with the results.

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