

60-inch stormwater pipe cleaning at a private facility

SUMTER COUNTY, FLORIDA

PROBLEM

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

SOLUTION

In December 2013, the facility sought assistance from U.S. Submergent Technologies (USST) to remove the sand deposit and restore flow to the line. USST brought their Combination³® Truck to the site and



was able to extend their jetter from the access point to the accumulated material 375-feet away. Using their powerful water jetting system and proprietary GritGone Process® for debris removal, the USST crew was able to jet the sand upstream in a surcharged condition to their downhole pump for removal. The water and material was then deposited into a containment tank, dewatered, and hauled away for disposal.

RESULTS

The sand deposit was completely removed, flow to the storm water line was fully restored, and the work was accomplished in just two days. Due to the quiet operation of USST's Combination³® Truck, the entire cleaning/removal operation had almost no impact on the neighborhood activities. The client was very pleased with the results.



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