

Taking a 115 Degree Turn Under a River: 70-CY Removed from 660-Feet of Pipe

TAMPA, FLORIDA

PROBLEM

A 300-foot section of interceptor sewer pipe running alongside the Hillsborough River in the City of Tampa was experiencing reduced capacity due to a buildup of sand and grit. Access to the interceptor pipe was an issue due to the hard 115 degree turn of the connecting siphon.

SOLUTION

In mid-2018, the City of Tampa sought assistance from U.S. Submergent Technologies® (USST) to remove the material. USST setup downstream on the southeast bank of the Hillsborough River. In order to access the 300-foot 48-inch diameter interceptor sewer pipe, the USST crew had to maneuver through a 360-foot 36-inch diameter siphon and parallel 20-inch diameter siphon under the river, with a 115-degree change in direction.

USST's unique Combination3® truck with extended boom, dripless tube system, and jetter were utilized to travel the 360-foot length of siphon, navigate the 115-degree turn, and remove material from 300-feet of interceptor sewer pipe.



RESULTS

Almost 70-cubic yards of sand and grit was removed from the pipes, restoring more than 26% of its capacity, all while remaining **in full operation**.

“The exceptional ability of our equipment to make a 115-degree turn in submerged conditions and remove a significant amount of material while remaining operational is what separates us from others in the market,” said Denver Stutler, Jr., co-founder and CEO of USST. “I’m proud of our team and their effort to restore capacity, as well as our working relationship with the City of Tampa.”



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