

CASE STUDY

HP Storm Provides Numerous Benefits to Sugar Land Install

Sugar Land, TX

OWNER

City of Sugar Land, TX

INSTALLATION DATE

July 2019

ENGINEER

LAN, Houston, TX

PRODUCTS

990' (302 m) of 60" (1,500 mm) HP Storm

CONTRACTOR

WadeCon LLC, Kingwood, TX

CHALLENGE

The City of Sugar Land had a stormwater sewer system that required additional capacity. The city opted for a more efficient solution by rerouting the drainage line away from the street corridor and through an adjacent field.

SOLUTION

Advanced Drainage Systems (ADS) had been working with Sugar Land to identify opportunities to utilize HP Storm polypropylene pipe on stormwater conveyance projects. When plans were developed for the new stormwater sewer line, ADS representatives attended the pre-bid meeting and advocated for HP Storm as a more efficient alternative to traditional materials.

To demonstrate the advantages, ADS utilized its Pipe Value Tool, which illustrated significant project benefits. The analysis showed that HP Storm would deliver more than \$218,000 in overall



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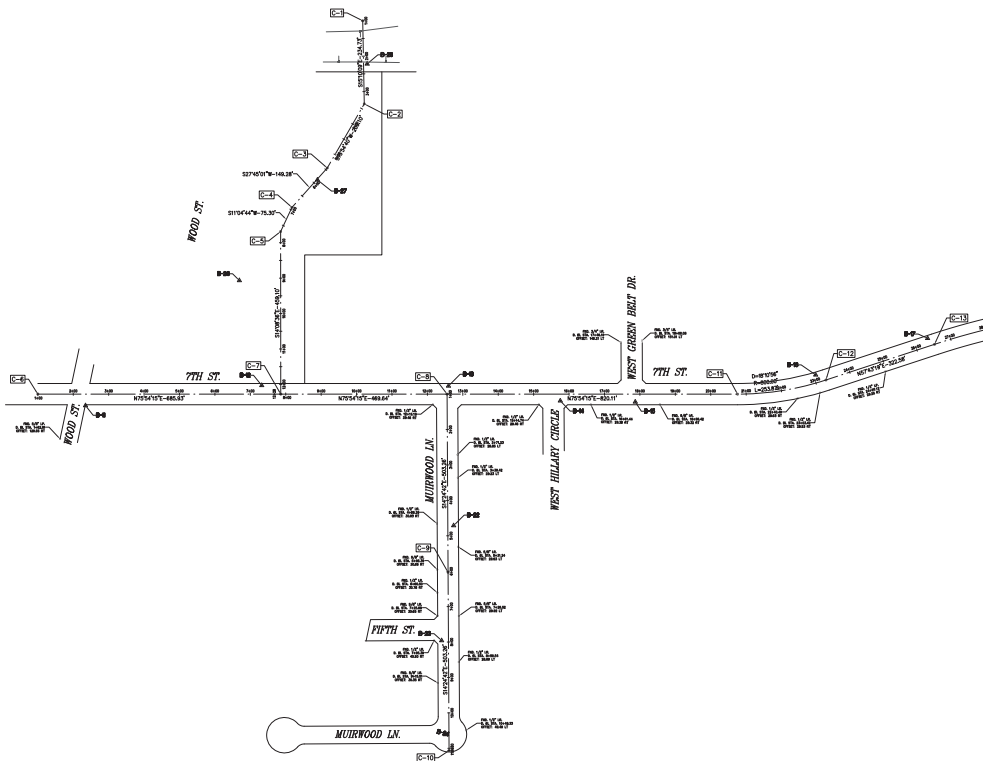


cost savings, reduce installation time by 14 days and would require 23 fewer truckloads of material deliveries. After seeing the HP Storm advantage, WadeCon LLC, the contractor, worked with the city to move forward with HP Storm for the project. Ultimately, 990 feet (302 meters) of 60-inch (1,500-millimeter) HP Storm pipe was installed to convey stormwater to a nearby bayou.

The pilot project proved highly successful, leading the City of Sugar Land to approve HP Storm for future use. Since then, the pipe has been specified on numerous stormwater projects throughout the city.

PRODUCT DESCRIPTION

HP Storm polypropylene pipe provides superior pipe stiffness, longer bells and spigots and a premium joint performance for a longer service life. The smooth interior wall offers additional strength and high flow capacity. HP Storm pipe meets or exceeds the standards specified in ASTM F2881 and AASHTO M330 and the extended bell and spigot meets ASTM D3212. Polypropylene is resistant to the effects of chemicals, abrasion, hot soils and effluent.



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