

85 MGD Sewer Bypass Keeps CIPP Project on Schedule



Six 18" pumps created a temporary pump station to bypass the sewer-flow through four 24"HDPE lines.

PROJECT SCOPE

City required 85 MGD bypass system in order to perform CIPP project on 4,100' of 84-96" pipeline within a high density residential area.

CLIENT

Municipality and CIPP Contractor

INDUSTRY SEGMENT

Municipal/Construction

EQUIPMENT

- 7 - DV400 18" pumps
- 7 - E-CONTAIN® Spillguards
- 15,000' - 18" and 24" HDPE pipe, with fittings

BACKGROUND

Nearly one mile of 84-96" sewer line needed to be re-lined via CIPP method in a densely populated residential area. In order to perform this work, a large, high capacity bypass would be required.

OUTCOME

Rain for Rent's SWAT (Sewer Water A-Team) and local Branch teams worked together with a contractor to create a plan for the bypass portion of the job. Once the contract was awarded, Rain for Rent and the contractor delivered and installed the bypass system. The set-up utilized six primary and one back-up pumps to create a pump station that would bypass the sewer's flow through four 24" HDPE lines, totaling 15,000' of pipe. The system performed as planned for the duration of the project without incident.



Liquid Ingenuity®

PUMPS • TANKS • FILTRATION • PIPE • SPILLGUARDS

800 742 7246 rainforrent.com

85 MGD Sewer Bypass Keeps CIPP Project on Schedule



The system utilized seven pumps (six primary and one back-up) to create a pump station to bypass the sewer flow through four 24" HDPE lines.

HIGHLIGHTS

- Early in the bidding process, Rain for Rent began working with multiple contractors to identify critical questions and concerns prior to the pre-bid. The bypass design and estimate drawn up by Rain for Rent included a clear scope of how to address issues likely to be faced, helping contractors to build and submit stronger plans.
- Rain for Rent's SWAT and Engineering teams worked together to ensure the pump station and temporary pipeline system were designed to fit within a very tight work space while allowing for optimal traffic flow in a densely populated area.
- Adjacent to nearby residences, a sound wall was built around the pump station to help minimize noise concerns while keeping to a tight footprint.
- The bypass system installation was completed and tied in to the sewer line on time, in spite of shortened deadlines, and helped to ensure that costly delays were avoided.



Liquid Ingenuity®

PUMPS • TANKS • FILTRATION • PIPE • SPILLGUARDS

800 742 7246 rainforrent.com