



WATER STREET LIFT STATION #1 AND #2 REHABILITATION

REPEAT CLIENT SEEKS WARREN'S COATING SYSTEM TO STOP ACTIVE LEAKS AND RETURN LIFT STATIONS TO ORIGINAL CONDITION

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CLIENT TYPE

PRIVATE

MARKET

WASTEWATER

LOCATION

PLYMOUTH, MA



AT A GLANCE

AGGRESSIVE SCHEDULE

DUCTILE IRON PIPE

I&I

REPEAT CLIENT

SIPP

PRODUCTS USED

301-14 HIGH PERFORMANCE EPOXY

151-HG HYDROPHOBIC GROUT

A repeat client selected Warren Environmental's epoxy coating system to rehabilitate two lift stations in Plymouth, Massachusetts. Both were deteriorated due to the H₂S gases present in the sewer system. The owner, their contractor (Robert B. Our Company), and Warren Environmental's master applicator, A&W Coatings, developed a coating plan to return the lift stations to their original condition.

For lift station #1, the team determined that the surfaces above the waterline were deteriorated so they lined them with 400 mils of Warren 301-14. They lined the surfaces below the waterline with 250 mils. The A&W Coatings crew completed work and returned the lift station to service within three days. Average pull test values were over 1,600 psi on all surfaces.

For lift station #2, the team determined that all surfaces were significantly deteriorated and that it would require 250 mils of Warren 301-14 epoxy. Following surface preparation, the A&W Coatings team spent a full day stopping water infiltration stemming from active leaks. They chased leaks through multiple sections of walls with Warren's 151-HG grout. In addition, the connective 5 LF of 12-inch ductile iron pipe was sanded and coated using a spray-in-place application technique. A&W was able to line this lift station and return it to service within three days. Average pull test values were over 950 psi.

PHOTOS







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1596 Fulenwider Rd, Gainesville, GA 30507 **PH:** 508-947-8539

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