

Waste Sludge Force Main



Application: Conveying waste sludge from Rocky Hill Water Pollution Control plant for incineration

Location: Metropolitan District Commission - Hartford, Connecticut

Product: 21,000 feet of custom-made 8" Red Thread® pipe and fittings designed to provide a 350 psi pressure rating

Features & Benefits: The product was selected for both its excellent corrosion and abrasion resistance and its reduced installation, operating and maintenance cost.

The high pipe stiffness of the buried pipelines allowed for the use of $\frac{3}{4}$ " trap rock as a base and cover material. A 31,500 lb. earth load test was conducted with no evidence of interior damage and minimal deflection validating the design.

The lightweight pipe allowed the installation of 400 to 600 feet per day using manual labor and a single front-end loader.



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