

# SEWER JETTING SYSTEMS CLEAR LARGE PIPES WITH EASE.

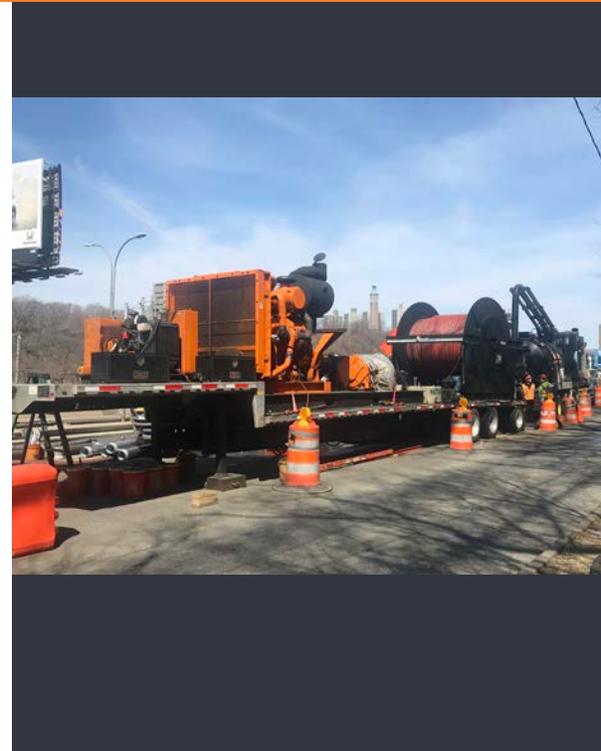
In sewer jetting, big pipes (e.g., 12 feet in diameter) often present municipalities with big challenges.

In New York an old sewer line was found to be 80 percent blocked, causing its tributaries to back up. The culprit? Not merely sediment, or even so-called flushable wipes, but a ball of rags weighing some 1,800 pounds! After Hurricane Sandy, tree limbs and an engine block were among the debris keeping a storm drain from accepting runoff.

Throughout the 800,000 miles of public sewers in the United States are many pipes that are 25 to 75 percent blocked... and the bigger the pipe, the bigger the debris causing the problem. Most sewer jetters simply don't generate the flow necessary to dislodge it. That's why cities are turning to jetting systems from NLB Corp., which feature high-pressure/high-flow pumps and hose reels feeding hoses that can be nearly a mile long.

Typically, a sewer jetter produces a flow rate of about 80 gpm at pressures between 2,000 and 4,000 psi, but large pipes demand more flow than that. So NLB builds custom systems with pumps that produce flows of 120 gpm... 300 gpm... even 400 gpm.

One such system clears blocked pipes with an NLB 1005 Series pump that generates 333 gpm at 4,000 psi. Powered by a heavy-duty 1,000 hp motor, this 1005 has proven exceptionally reliable in its first 10,000 hours of operation, pumping some 200 million gallons of water. Its slow-running, quintuplex plunger design minimizes parts wear and maintenance.



NLB's high-capacity hydraulically-driven Roto-Reel® hose reel spools a hose at 60 feet per minute and feeds it out at 40 feet per minute.



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This system features a 4,800-foot hose reel — the longest in the industry. Hydraulic power for the hose reel is provided by the pump motor, saving the user the expense of a separate hydraulic power unit. Pump and hose reel controls can be integrated in a control stand or remote pendant, as the customer prefers.

The Roto-Reel units and the pump are trailer-mounted for easy transport. The hydraulically-driven Roto-Reel 500 spools a hose at 60 feet per minute and feeds it out at 40 feet per minute. It rotates a full 360° at 30 rpm, allowing the nozzle on the hose to move along the inner diameter of the pipe.

With a variety of pumps offering a wide range of horsepower, pressures and flows, NLB is a leading manufacturer of high-performance water jet systems for large-pipe sewer jetting. Most are custom-designed by NLB's experienced engineering staff to meet users' specific requirements. More information is available at [nlbcorp.com](http://nlbcorp.com).



Custom solutions are available like this heavy-duty all-in-one truck-mounted system (above) and this lightweight easy to maneuver trailer-mounted system (below).



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