

Lime Lake Sewer District



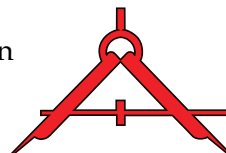
Lime Lake is situated in the Town of Machias. It is a small, 154 acre water body surrounded by over 400 residential properties. MDA Engineers assisted the Town in the formation of a new sewer district known as the Lime Lake Sewer District. MDA Engineers also prepared the design of a new Low Pressure Collection system and a conveyance system to carry the waste water about 7.5 miles north to the Village of Arcade for treatment at their waste water treatment plant.

The collection system consists of about 26,000 linear feet of high density polyethylene (HDPE) mainline piping ranging from 2" - 4" in diameter. The collection piping was installed by means of horizontal directional drilling to minimize impacts to the community and to minimize restoration work.

The system also includes semi-positive displacement grinder pump units, installed at each residence. On this project, the work for each service involved installing the small diameter service lateral and shutoff, installing the grinder pump and control panel, and connecting the grinder pump to each home. In the Lime Lake Sewer District, each grinder pump is powered by a dedicated electrical circuit provided by each homeowner.



This project is expected to reach a successful completion in 2019 after overcoming difficulties such as a tight construction schedule caused by delays during the land acquisition phase.



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