

THE CHALLENGE

A 23-lot residential subdivision required a reliable sewage solution. The site was on former agricultural land with zoning that mandated a future connection to the municipal sewage system. However, the local treatment plant was at full capacity, making an immediate connection impossible. A traditional \$500K pump station with a large force main was considered, but it came with high upfront costs and infrastructure demands.

THE SOLUTION

Our experts recommended the E/One low-pressure sewer system as a cost-effective solution compared to the traditional pump station. This solution equipped each home with its own grinder pump, connecting to a smaller, more affordable 2" force main. Additionally, on-site biofilter systems were installed as a temporary solution until municipal infrastructure is upgraded in 2026.

THE RESULTS

- **40% Cost Savings:** The E/One system reduced infrastructure costs to \$14,838 per lot, compared to \$20,888 with a conventional pump station.
- **Improved Cash Flow:** Phased development allowed the project to progress without waiting for municipal upgrades, deferring significant infrastructure costs.
- **Futureproofing:** The system supports future municipal connections, providing long-term flexibility.



Case Study

Customer Saves 40% on Sewage Infrastructure with E/One Low-Pressure System

How it Worked:

- **Individual Grinder Pumps:** Each home has an E/One unit, eliminating the need for a large central pump station.
- **Scalable & Phased Design:** Installation supports a gradual build-out, adding pumps as homes are constructed, optimizing cash flow and project timelines.
- **Lower Installation & Maintenance:** Small-diameter force mains and shallow trenching simplified installation, reducing short—and long-term costs.



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