

THE ADVANTAGES OF THE E/ONE SEWER SYSTEM

MORE THAN
1 MILLION
END USERS
THROUGHOUT
THE WORLD



HOMEOWNERS

- Protects water quality and enhances quality of life
- Reduces costs of housing
- Visually pleasing – low-profile cover is easily camouflaged
- Does not disrupt the beauty of the landscape or damage built structures
- No preventive maintenance required
- Central sewer increases value of home

CONTRACTORS

- Installation follows contour of the land – no major excavation
- Directional drilled or shallow trenches – increases ease and safety of installation
- Labour and material costs are much less than gravity sewer systems

COUNCILS/DEVELOPERS

- Permits freedom to sewer anywhere
- Low costs make central sewers economically feasible
- Low costs make development economically feasible
- Central sewer increases value of development
- High reliability – no preventive maintenance
- Reduces operating costs
- Protective of public health
- Closed system – zero stormwater infiltration – plus zero exfiltration

ENGINEERS/OPERATORS

- Proven engineering and design
- Ideal for every terrain and environment
- Cost-effective sewerage solution for new construction or backlogs
- Engineering and technical support during design, construction, installation, and operation
- Reliable performance means reduced O&M costs – up to 50% savings over gravity
- Easy and safe to access and service
- Designed to keep service to absolute minimum

Enviro One

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Enviro One



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GENUINE

– **E/One-DRIVEN** –

ALL-TERRAIN SEWER[®]

**Flat? Wet?
Rock? Hilly?**

ALL-TERRAIN SEWER[®] low pressure
systems from E/One give you
the freedom to sewer anywhere

Environmentally Sensitive
Economically Sensible™

eone
SEWER SYSTEMS

THE FREEDOM TO SEWER ANYWHERE –

AT A FRACTION OF THE COST OF GRAVITY SEWERS.

HERE'S HOW THE E/ONE SEWER SYSTEM WORKS:

The E/One Sewer™ system stores, grinds and pumps wastewater under pressure to a treatment site or central sewer, depending on the location. Because the output is pressurised, the wastewater can be transported horizontally more than 3 km, or uphill some 56 metres vertically. Because the system does not rely on gravity to carry the waste, it provides more options for siting and building, as well as system renovations.

WHY THE E/ONE SYSTEM IS BETTER THAN GRAVITY:

Both the gravity sewer and the E/One Sewer system are known as central sewer systems. Most cities and councils use central sewerage, which means that waste is transferred, by pipe or a main, to a central treatment plant.

Gravity sewers are the "original" central sewers, with origins in the Roman aqueducts. Unfortunately, the technology behind gravity sewers is also centuries old: they're bulky systems using a large main and usually

require major excavation to install. They must be accurately placed and bedded along a continuous downward grade and often involve large, costly lift stations. Plus they're expensive and not entirely efficient in transporting waste because they can tend to leak, and can be compromised by storm water infiltration.

The beauty of the E/One Sewer system is that, unlike conventional central sewers, it defies gravity. Because installation follows the natural contour of the land, it is ideal for all terrain, including land that is flat, wet, rocky, or hilly. It gives the freedom to sewer anywhere including sites where old septic systems have contaminated water and posed severe public health issues.

THE LEADER IN RELIABILITY.

The E/One Sewer system employs sophisticated technology that results in a 10 year average mean time between service calls, and requires no preventive maintenance. Plus, low upfront costs, reduced operating expenses, and the ability to be installed at any site, regardless of the challenges of topography.

ENGINEERED TO DO ONE JOB PERFECTLY™.

The Extreme series grinder pump, the heart of the E/One Sewer, is the industry leader in ruggedness, watertight design, serviceability and reliability. It provides wastewater storage, grinding, and pumping in a single unit. Translation: it lowers operating costs, the cost of waste collection, and reduces maintenance.

The E/One grinder pump is engineered to do one job perfectly and in the process, provides the best value for homeowners, builders, developers and municipalities.



PRICED RIGHT FOR INSTALLATION. AND FOR THE LONG TERM.

E/One can solve sewerage problems and replace failing septic systems at a fraction of the cost of conventional gravity sewers. E/One Sewer systems sharply reduce both front-end installation costs and overall life cycle costs.



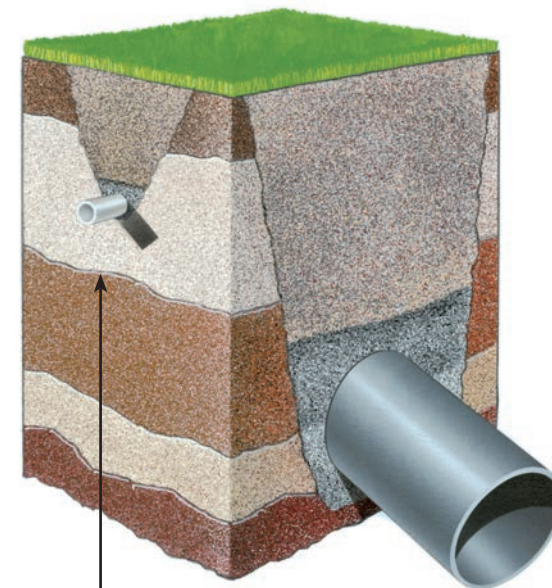
Installation in Tweed Shire, NSW

HOW WILL IT LOOK?

Aesthetics are a major consideration for homeowners. The E/One Sewer system is virtually out of sight — the only visible part is a low-profile cover that blends seamlessly into the environment but provides easy access for servicing operations.

WHEN IT COMES TO SEWER SYSTEM TECHNOLOGY, BIGGER ISN'T BETTER.

Conventional gravity sewers can use up to a 600 mm or larger diameter pipe, or main, which requires major excavation and severely disrupts the landscape and any built structures such as lawns, driveways, and plantings. The E/One Sewer System uses an unobtrusive, small-diameter 50 to 100 mm main installed shallow and following the natural topography of the land. The small-diameter mains mean small trenches — or, no trenches at all if directional drilling is used.



E/One Sewer system: 50-100mm main, installed to follow the contour of the land.

Gravity system: large 600mm main. Installation requires deep excavation.

SET YOUR SITES ANYWHERE

Multi-branch E/One Sewer systems serve the entire community and give engineers, developers, community planners, and homeowners the freedom to sewer anywhere, on any kind of site. Even sites that – to date – have been deemed undevelopable.



SEPTIC SYSTEMS – POTENTIAL TIME BOMBS IN OUR MIDST

While septic systems may be a common way of disposing of residential sanitary waste, they are, at best, a temporary solution and come at a high cost to public health. Around the world, septic systems have degraded ground and recreational water, creating serious safety problems. Because of failing septic systems,



water is not safe to drink. In addition, failing septic systems decrease real estate values. E/One Sewer systems can go wherever septic systems were initially used, reclaiming water quality and quality of life while providing an efficient, cost-effective solution to wastewater disposal and treatment.

