

**TAKE THE LEAD!**

Choose the **PTE wastewater collection and treatment systems**



**Accelerate your development projects  
with Premier Tech Environment systems**

- Build more dwellings on the same development surface
- Optimize land use
- Build on difficult sites and soils
- Grow successfully while protecting the environment
- Reduce construction and operation infrastructure costs



**Premier Tech  
Environment**

# GAIN GROUND!

## GIVE EACH HOME THE SPACE IT DESERVES

**2 to 4 times smaller  
than a conventional system\***



The PTE onsite wastewater treatment systems are compact and suitable for all types of lots. They blend with the landscaping and typically require only half to a quarter of the size of a conventional system. Because the absorption bed is smaller, more space is available on the lot for a pool, a garage, a garden, or a tennis court. Compared to conventional systems, which has a lifespan of about 15 years, the PTE systems are permanently installed on the lot.

- Conventional system on each lot
- Drilled well on each lot
- Septic tank on each lot
- Premier Tech Environment system on each lot

For the same residential subdivision, a PTE cluster system allows you to build 30% to 60% more dwellings. Each lot contains only a septic tank from which waste flows and is directed, via a small diameter sewer system, to a community treatment disposal system serving several lots.

**30% to 60% more lots  
with PTE cluster system  
without public water lines\***



- With or without septic tank on each lot
- Drilled well on each lot
- PTE cluster treatment disposal system on a single lot (low valuable lot)

**No limits  
with PTE cluster system  
and public water lines\***



When you choose a Premier Tech Environment cluster system where public water lines are available, no space limits apply except for those in local land use regulations. This means you can build on even smaller lots and significantly reduce infrastructure costs for roads, power lines, and telephone lines. Compact developments also enable to control sprawl.

- With or without septic tank on each lot
- Public water lines
- PTE cluster treatment disposal system on a single lot (low valuable lot)

\*Depending on the local regulations

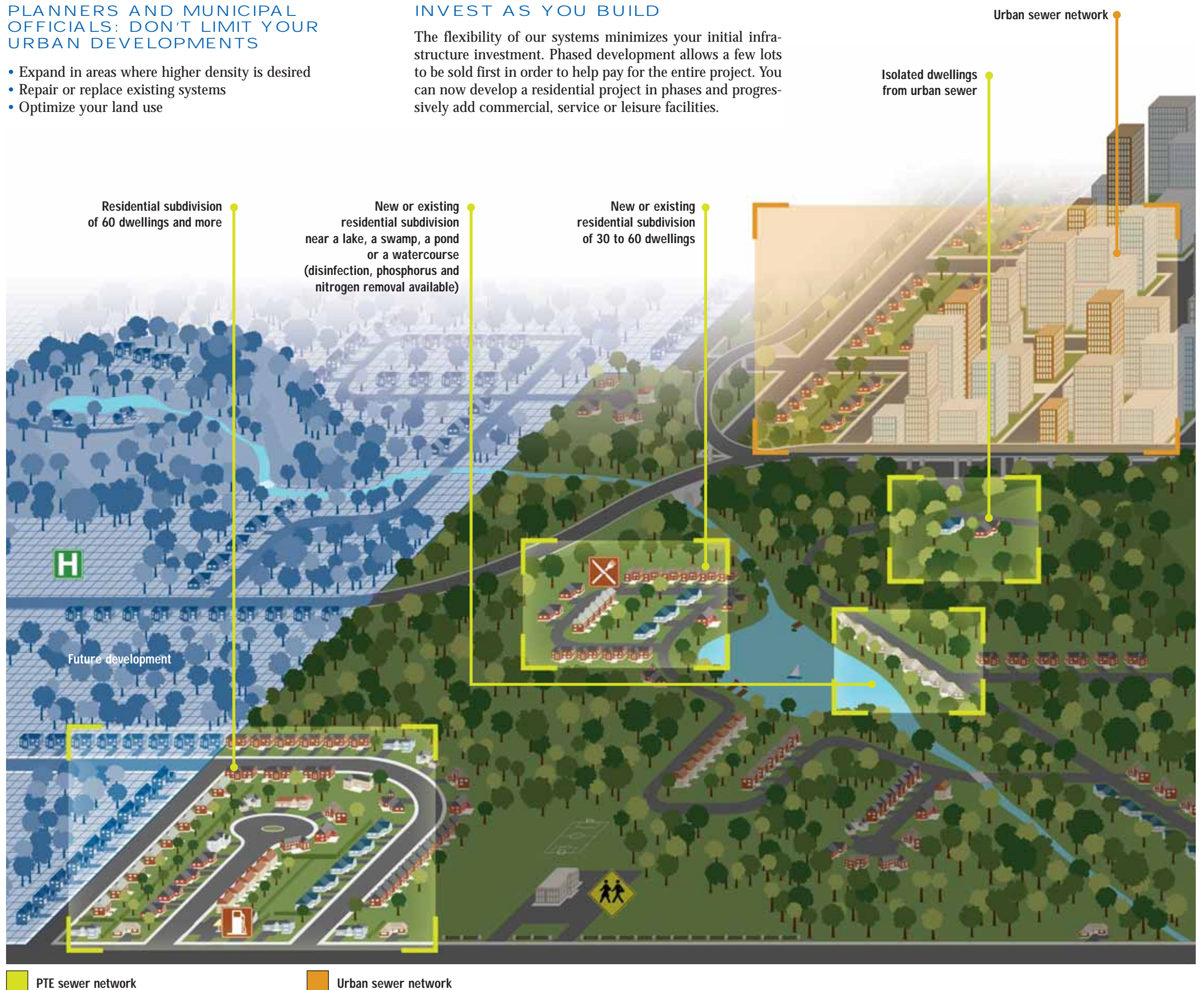
# GROW SUCCESSFULLY IN COMPLEMENT WITH URBAN CONVENTIONAL SEWERS

## PLANNERS AND MUNICIPAL OFFICIALS: DON'T LIMIT YOUR URBAN DEVELOPMENTS

- Expand in areas where higher density is desired
- Repair or replace existing systems
- Optimize your land use

## INVEST AS YOU BUILD

The flexibility of our systems minimizes your initial infrastructure investment. Phased development allows a few lots to be sold first in order to help pay for the entire project. You can now develop a residential project in phases and progressively add commercial, service or leisure facilities.



# Best service guaranteed!

Installation | Preventive maintenance | Operation  
Environmental follow-up | Technical support

## PREMIER TECH ENVIRONMENT AND ITS PARTNERS OFFER YOU

- A technical support to:
  - help you choose the right technology for your project
  - assist your engineers in their estimations and designs
  - facilitate centralized management and maintenance programs
- Permanent systems designed to facilitate operation, preventive maintenance, and data collection during the entire infrastructure lifespan



## ECONOMICAL, RELIABLE AND ECOLOGICAL SOLUTIONS

- Systems tested and proven more than 100,000 times over more than 15 years
- More than 90,000 preventive maintenance inspections completed and documented
- Solutions chosen by more than 30,000 families in Canada, the United States, and Europe in the past 10 years
- Best guarantee on the market
- Green solutions exceeding the strictest environmental regulations

■ Certified



Bureau de normalisation  
du Québec  
(Canada)



National Sanitation  
Foundation  
(United States)



Centre Scientifique  
et Technique du Bâtiment  
(Europe)

## JB CLERMONT RESIDENTIAL PROJECT NAPIERVILLE REGION



### PROJECT DESCRIPTION

The announcement of the JB Clermont development, which includes 125 homes (phase 1 of a 250 lots project), has required to Napierville municipality an in-depth look at wastewater treatment options in order to avoid the problems with onsite conventional systems experienced in the past. The soil was completely impervious with a very high groundwater table. The installation of an urban sewer system was not looked at on a short term basis. A new approach had to be studied.

Since the municipality wanted a **compact communal system** that did not require using the existing soil for treatment purposes, it decided on Premier Tech Environment (PTE)'s collection and wastewater treatment system. The constructed system includes a septic tank for each home and small-diameter pipes connected to a PTE treatment system.

The municipality of Napierville chose an economical, reliable, and ecological solution. In fact, for the modest sum of \$160 per year per home, the town provides the following for its citizens: operation of the equipment, pumping of the septic tanks, preventive system maintenance, and additional resources to cover safety factor.

As owner of the wastewater treatment system, the town of Napierville has a service contract with PTE to provide operation and preventive maintenance. The flexibility of the technologies provided by Premier Tech Environment allows the municipality to consider other development projects and, as such, plan to expand the system or add another treatment unit.

**The PTE system's cost is evaluated  
less than 40% of an urban sewer system**

### CONSTANT AND MEASURABLE TREATMENT PERFORMANCE

#### DESIGN CRITERIA FOR PTE'S TREATMENT SYSTEM

(CONCENTRATION OF THE SEPTIC TANK EFFLUENT)

- BOD<sub>5</sub>: 200 mg/l
- TSS: 150 mg/l
- TP: 12 mg/l

#### PERFORMANCE OF PTE'S TREATMENT SYSTEM

- BOD<sub>5</sub>: 7 mg/l  
A 96.5% reduction in concentration
- TSS: 13 mg/l  
A 91% reduction in concentration
- Fecal coliform bacteria lowered to 200 fcu/100 ml
- TP: ≤ 1 mg/l



**Premier Tech  
Environment**

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An international leader in the decentralized wastewater treatment, Premier Tech Environment (PTE) is a business unit of Environmental Technologies Group evolving within Premier Tech, a company that counts more than 80 years of experience and more than 1,500 team members — 175 of which work for PTE.

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