

# Onsite Phosphorus Harvesting and Removal System

## Phosphorus Pollution Problem

- Just 1 g of phosphorus promotes the growth of 100 g algae which deplete oxygen and damage water resources
- P concentration as low as 0.1-0.2 mg/L can trigger excessive aquatic growth and harmful algae blooms
- Septic tank effluents and Nitrogen removal systems have P concentrations as high as 10 mg/L (average).

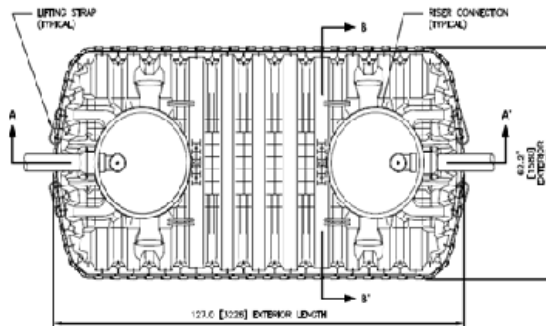
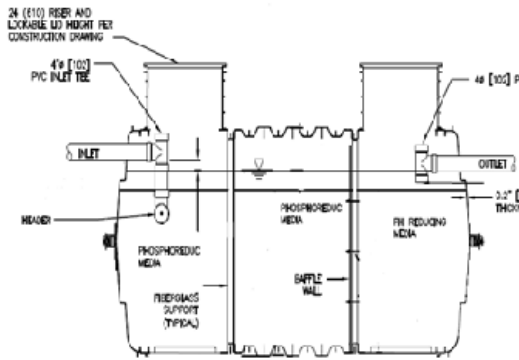


## An Innovative Solution for Onsite Wastewater Treatment and Disposal

- WSSI Ltd. has developed an affordable and efficient PhosphoReduc™ product **PR-G-1000** for phosphorus harvesting and removal from residential, commercial and municipal decentralized systems.
- **PR-G-1000** is a passive filter system housed in a two compartments tank, filled with PhosphoReduc phosphorus reducing media rich in iron (Fe) and calcium (Ca) oxides, and a Phosphoreduc pH reducing media.



PhosphoReduc™ media



### Treatment Efficiency

- Up to 95% Phosphorus removal
- Up to 90% Pathogens removal
- Up to 90% Solids removal

### Benefits to Environment

- No energy requirements
- Small footprint
- Life span 20 years
- Minimal land disturbance

### Minimal O & M

- Please see our additional information on operation and maintenance.