

ETC PROJECT PROFILE

RESIDENTIAL SEPTIC SYSTEMS



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Septic tank and pump tank installation.



Leaching chambers adjacent to wetlands.

THREE BEDROOM HOME, GLENWOOD POND, PE

Client: Myrna Boulter
Contractor: Rodney Costain

Project Objectives:

- To design a septic system that would overcome significant property challenges including high water table, limited space, wetlands and a pond located on the property.

System Overview:

- Category 3 conditions with high water table and heavy clayey soil.
- Tankage consisted of a 4092 L (900 lgal) septic tank and a 2955 L (650 lgal) pump tank.
- Anti-flotation ballast was utilized to counteract uplift forces on tanks.
- Pressurized septic field consisting of four lines of Infiltrator™ chambers, each 28.5 m (93') long for a total of 114 linear meters of trench.
- A total of 90 cm of *Approved Fill* was used.
- Permits were received for this extremely difficult lot with very tight set backs to the property lines and wetlands.

LUXURY FIVE BEDROOM HOME, MILL RIVER EAST, PE

Client: Allan and Colleen Parker
Contractor: O'Meara's Heavy Equipment

Project Objectives:

- To design and oversee the construction of a septic system to service a new five bedroom luxury home that would blend in with the site landscaping.
- To provide adequate capacity to accommodate periodic peak flows from large private functions.

System Overview:

- Category 2 conditions (less than 60 cm of permeable soil).
- Tankage consisted of a 1619 L (1500 lgal) septic tank and a 10,000 L (2200 lgal) pump tank with OSI screened pump vault package.
- Pressurized septic field consisting of two rows of Infiltrator™ Quick 4 Standard leaching chambers, each 61 m (200') long for a total of 122 linear meters of trench.
- A total of 60 cm of *Approved Fill* was used.



Duplex pumping system inside the OSI screened vault.



Leaching chambers installed in approved fill.