



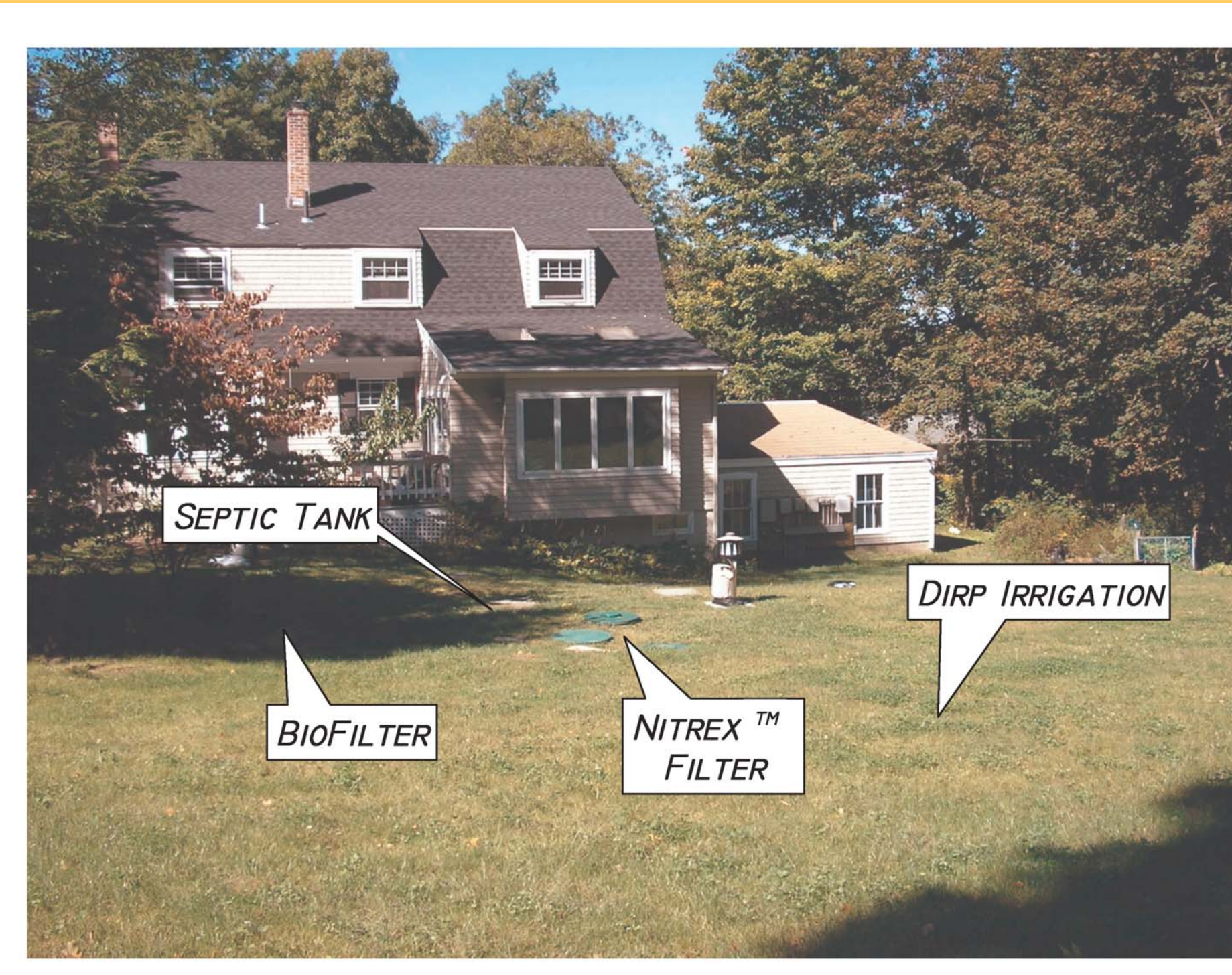
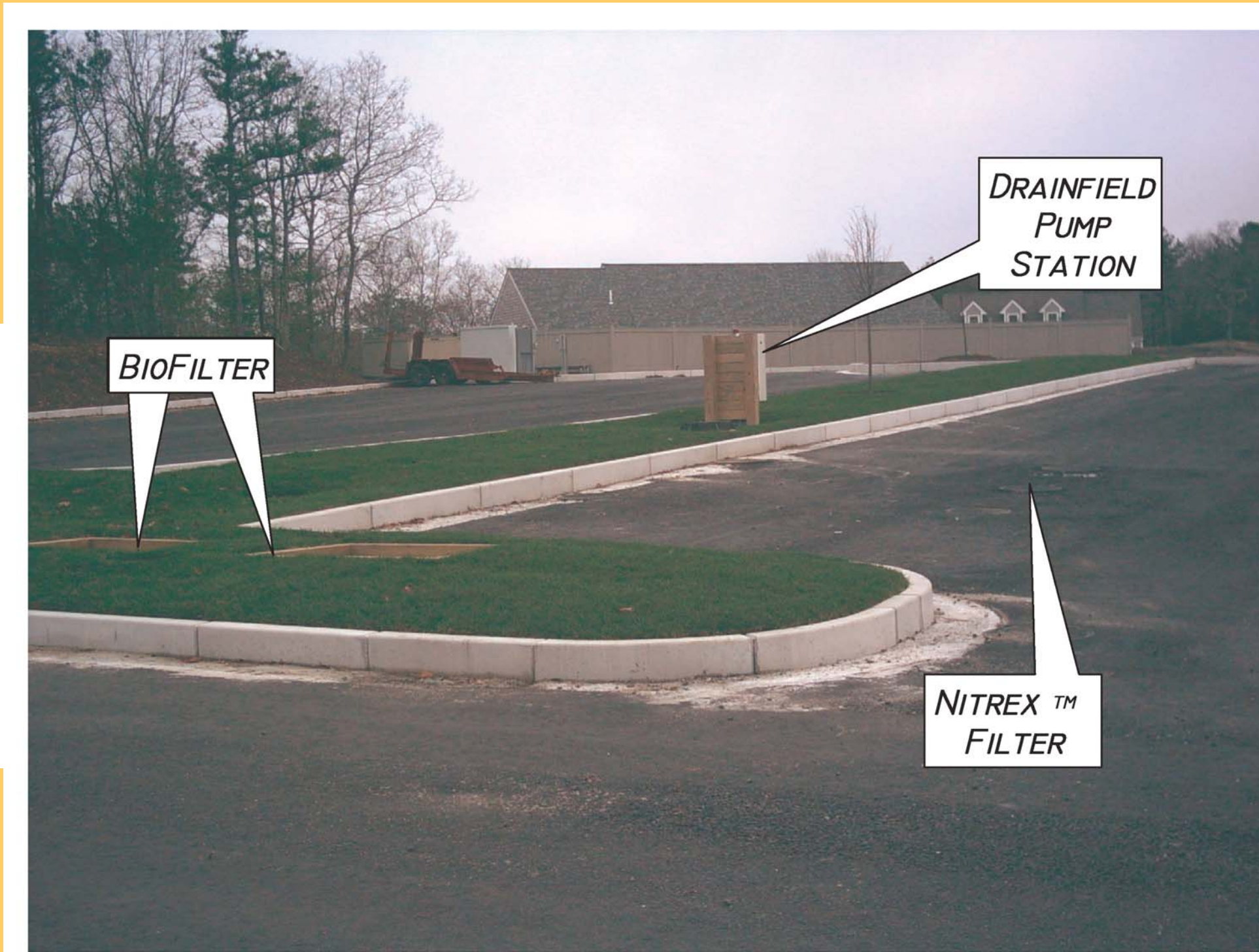
Environmental Engineers/Consultants  
**LOMBARDO ASSOCIATES, INC.**  
 49 Edge Hill Road  
 Newton, Massachusetts 02467  
 (617) 964-2924  
 Portable: (617) 529-4191  
 Fax: (617) 332-5477  
 E-mail: pio@LombardoAssociates.com

## BEST AVAILABLE NITROGEN REMOVAL SYSTEM

### REPRESENTATIVE WASTEWATER PROJECTS TOTAL NITROGEN (TN) < 5 mg/l AVERAGING 3 +/- mg/l

<u>Project Location</u>	<u>Mean Total Nitrogen Level</u>
1. Massachusetts Alternative Septic System Test Center	5.1 mg/l
2. La Pine, Oregon Wastewater Project	2.4 mg/l
3. Mashpee, MA	3.5 mg/l

Mashpee, MA  
 Residential &  
 Commercial  
 6,000 gpd



Harvard, MA  
 Residential  
 660 gpd

FOR INDIVIDUAL AND LARGE COMMERCIAL/CLUSTER DEVELOPMENTS

### GROUNDWATER TREATMENT NITRATE-N < 0.1 mg/l



- Nitrex™ Permeable Reactive Barrier (PRB) installed below grade in the groundwater
- Systems in MA, RI, and Canada
- Tested by:
  - University of Rhode Island
  - Woods Hole Marine Biological Laboratory