

CASE STUDY

ATL and IM-1060 Used in System Replacement on a Tight Lot

Broadalbin, NY

SYSTEM SPECIFICATIONS

Residential Wastewater Treatment System

INSTALLATION DATE

April 2019

PRODUCTS

Advanced Treatment Leachfield (ATL) combined treatment and dispersal system
IM-1060 Septic Tank

ENGINEER

Makron Engineering, Broadalbin, NY

INSTALLER

DeJong Excavation, Broadalbin, NY

DESCRIPTION

A New York homeowner needed a replacement septic system for a two-bedroom house on 0.6 acres. The existing system had a collapsing, existing metal septic tank located under a deck and a stone and pipe leachfield approximately 30 feet from an existing shallow well.

The shallow well, centrally located on the property, limited available space for a septic system as did a shed, fire pit and field stone covering the remaining area. The deteriorating and collapsing metal septic tank and the home's deck made maintaining the existing septic system and pumping the tank difficult. The new owner wanted to maintain use of the existing shallow well as it tested clean of any fecal coliform during the home inspection and new wells in this area yield poor water quality with high iron and sulfur content. The system had to meet Town of Galway and New York State standards including a minimum separation distance of 45 feet from the existing shallow well to the leachfield.



A lightweight Infiltrator IM-1060 septic tank with a 12" snap lock riser was selected because it could be easily transported and installed behind the house during rainy, muddy April conditions. The 35 feet per lateral Infiltrator ATL system was selected due to its small footprint enabling the maximization of separation distance from the well and high level of septic tank effluent treatment. It was installed in 21 inches of C-33 sand to meet New York State and Town of Galway standards. The passive ATL system has no moving parts and requires no power to operate.



The design build project was successfully completed in three days and separation distances were met from the property line and well. The light weight of the installed products and easy mobility of the materials allowed for an early Spring project completion extending the limited construction season in upstate New York.

