

CASE STUDY

Quick4 Chambers Used in Lakeside Wastewater Treatment System

Tupper Lake, NY

SYSTEM SPECIFICATIONS

990 GPD Wastewater Treatment System

INSTALLATION DATE

Fall 2015

PRODUCTS

Quick4® Equalizer 36 Chambers

ENGINEER

Vincent Kavanaugh, P.E., Tupper Lake, NY

DESCRIPTION

A 150-acre property consisting of a lodge with its five “cottages” that was first developed in 1917 was being restored to its original condition. The existing septic system was not sized to handle the proposed flow from the site and was required to be upgraded or replaced.

The property is accessible only by boat or by all-terrain vehicles and is lakeside making delivery of materials to the site challenging. A stone and pipe absorption bed system was originally designed, however barging stone to the site was not an option because the contractor was not able to build a ramp to offload the stone.

Local environmental regulations allowed for gravelless soil absorption products so the engineer redesigned the system using Infiltrator Quick4 Equalizer 36 Chambers. In addition to ease of transport and delivery to the remote site, the open bottom Quick4 Equalizer36 Chambers offered increased soil infiltration and enhanced aeration and filtration in the native sandy soils.

The system is designed for 990 gallons per day. A 20' wide by 50' long bed of Quick 4 Equalizer36 Chambers was specified and four observation ports were installed near the corners of the bed. The system also includes a new septic tank and a pump tank.

Installation went very smoothly. It was the first time the engineer had specified Infiltrator chambers and the first installation of chambers by the installing crew. Both commented on the ease of installation and that the manufacturer's instructions were easy to follow.



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