



# Quick4® Equalizer 36 Chambers Installed in Large Soil Absorption System



In order to meet environmental code, an expanding Illinois church required a septic system that would meet their and the local health department's needs.

## **Project**

Soil absorption system with 600 Quick4 Equalizer 36 Chambers at a large community church.

## **Installation Date**

June 2006

## **Installer/Distributor**

David Zeiter  
Zeiter's Septics Unlimited, Inc.  
Channahon, IL

## **General Contractor**

Scott Rosengern  
Madison Construction  
Orland Park, IL

## **Permitting Agency**

Kendall County Health  
Department

## **Owner**

Grace Bible Church,  
Minooka, IL

## **Design Specifications**

**Soil Type:** Saybrook (Group 7)

**Distribution Type:** Pressure  
Distribution System with 4" PVC

**Drainfields:** 600 Quick4  
Equalizer 36 chambers with 48  
Quick4 Equalizer 36 MultiPort  
End Caps

**Total Trench Area:**

2400 linear feet

**Design Flow:** 3000 GPD

The Congregation of the Grace Bible Church was in need of a larger new church building for a parishioner audience of around 500. In the area, septic systems and private wells are required as there are no public facilities for wastewater treatment or city water. In order to meet environmental code set by the county health department and provide adequate treatment, a soil absorption system was chosen.

Per Kendall County Health Department code, soil percolation tests were completed by a licensed soil scientist. On the basis of the data collected, available site area, and necessary capacity to handle over 3000 gallons per day, Zeiter's Septics Unlimited, Inc. designed the system and specified Infiltrator® Quick4 Equalizer 36 chambers for the drainfield.

"We really believe that the Infiltrator chambers are far superior to gravel trenches and any other product on the market today," commented David Zeiter, president and owner of Zeiter's Septics Unlimited, Inc.

The system includes a 4500 gallon concrete septic tank and 3500 gallon concrete septic tank discharging into a 2000 gallon concrete dosing tank. The dosing tank has a Duplex timer control panel dosing the system 6 times per day. Two T-30 Plus pumps were installed to pump the effluent a distance of 1250 feet to the 2400 linear foot septic field. The septic field incorporates 600 Quick4 Equalizer 36 Chambers and 48 Quick4 Equalizer 36 MultiPort End Caps.

Ease of maintenance was an important concern for system owners. A basic operation and maintenance plan was established by Zeiter's Septics Unlimited that includes pumping of the tanks every two years and a full system inspection to ensure that everything is operating properly. A reminder will be sent to the customer prior to scheduling an O&M checkup.



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