



Delivering Concrete Performance



Toll Brothers, The Woods of South Barrington Community, Potable Water Tank



The potable water tank is water-tight and problem free. We chose to use Hycrete W500 because it is the most effective waterproofing solution and is safe for use in potable water applications.

Dave Lusky, Senior Land Development Manager  
Toll Brothers

CASE STUDY

# Woods of South Barrington Community, Potable Water Tank

South Barrington, IL

## Toll Brothers Uses Hydrophobic Integral Waterproofing for 600,000 Gallon Potable Water Tank

Structure:	Above grade potable water tank
Application:	Tank slab, walls and lid
Developer:	Toll Brothers
General Contractor:	J. J. Henderson
Engineer:	Lintech Engineering
Ready Mix Provider:	Prairie Materials

### Introduction

The Woods of South Barrington is a premier Toll Brothers upscale master planned community in South Barrington, IL comprised of two single-family home collections and an active-adult enclave reserved for those 55 years of age or older, better known as Regency at The Woods of South Barrington. Toll Brothers, Inc., a Fortune 1000 company, is the nation's leading builder of luxury homes and is currently building in 21 states.

### Challenge

The Woods of South Barrington includes a 600,000 gallon potable water tank to service the community's water needs. It is critical that the water reservoir remains water-tight, not allowing water to leak out or external contaminants to enter the tank. Also, any admixture or technology introduced to the reservoir must be safe for human contact and not affect the quality of the water.

### Solution

Toll Brothers and J.J. Henderson, a leading general contractor and design builder in Northern Illinois, chose to use Hycrete W500 to waterproof the 600,000 gallon potable water tank for the luxury home development because it is better and easier to use this solution than alternatives and is safe for use in potable water applications.

### Result

The potable water tank at The Woods of South Barrington new home community is performing as planned with no leaks. The contractor has not had to perform any repairs and the owner is satisfied with the tank's performance.