

# FIBER REINFORCED CONCRETE:

**CALCULATE THE SAVINGS!** *Your solution to rising material costs and limited resources.*



## BEFORE

- **\$9000+** in Steel Reinforcement
- **\$1500+** in Labor & Wire

**Over \$11,000 in labor and materials**

## AFTER

- **\$6500** for macro fibers in concrete
- **NO NEED** for Steel
- **NO NEED** for wire mesh
- **LESS** labor and materials

**Over \$4000** in overall savings!

## Project Details

As part of an improvement plan for Sandy Pines golf course, Hamstra Builders planned to replace several asphalt paths with 200 yards of concrete on the property. Due to these areas getting a good amount of foot and vehicle traffic, the plan included steel reinforcement. With the rising cost of steel, as well as a number of other benefits, a material swap of macro fibers was suggested for the otherwise proposed steel reinforcement. A simple conversion showed that 5 pounds of fibers



**ADDED SAFETY ON THE JOBSITE**  
**IMPROVED MATERIAL QUALITY**  
**LESS CONSTRUCTION TIME**  
**LONG-TERM DURABILITY AND STRENGTH**

## OVERVIEW:

Customer: Hamstra Builders

Location: Sandy Pines Golf Course

Type of Work: Concrete Paths

Volume: 200 c. yards

per cubic yard would be a suitable replacement for thickness of the proposed slab. The use of macro fiber reinforcement had no negative effect on the look or finish of the concrete paths and didn't change or slow down the process or timeline of the project. This simple change saved money in both materials and labor.

