

## Arlington Countryside Subdivision, Prospect Heights

*The project was a  
fast track design*

The City of Prospect Heights wanted to improve drainage in the Arlington Countryside Subdivision where severe flooding occurred. After significant rainfall, flooding covered roads by as much as 1- to 2-feet for up to two days.

An old and failing 12-inch diameter field tile was the only relief to provide storm sewer drainage in the subdivision. The system was limited to some sporadic drainage ditches that required a significant amount of maintenance to function properly because most of them were filled. The subdivision has three pocketed low-lying areas in a larger bowl-shaped area with no surface outlet.

RJN designed a new 18-inch diameter sewer backbone for the stormwater drainage system that provided relief for the field tile. The line was designed to weave through some back and side yard easements to maximize the limited fall available.

The project was a fast track design to utilize of monies that would be lost if not contracted within one month. Quotes were obtained from contractors that had previous experience working with the City and a contract was executed within that month to utilize the funding.

