

**Underground Solutions  
 Creating Above Ground Possibilities**

File#: ST08-19208

**OBJECTIVE:**  
 Maximum volume  
 Minimal available area

**Project Description:**

Client required over 143,000 cubic feet of storm water detention with minimal available area. StormTrap met these requirements by erecting three separate DoubleTrap systems. Each system utilized a 6" aggregate base. Combined, the three systems used 181 DoubleTrap units. The open void storage allowed for engineers to meet storm water regulations within the limited available space.

**Project Specs:**

- Category:** Parking Garage
- Project Name:** Provena St. Joseph's Hospital
- Project Location:** Joliet, IL
- Project Engineer:** Ruettiger-Tonelli & Associates
- Project Contractor:** Diamond Unlimited
- Specifications:**
  - Volume: 143,748 ft<sup>3</sup>
  - Units:
    - Basin 1 - 57 Units/114 Pieces
    - Basin 2 - 66 Units/132 Pieces
    - Basin 3 - 58 Units/116 Pieces
  - Installation: 3 Days per Basin/Crane
  - System:** Three 10'-0" DoubleTrap Systems
  - Foundation:** 6" Aggregate Base
  - Water Tight Application**
  - Function:** Detention

