

**STORMWATER MANAGEMENT IMPROVEMENTS  
MATTOON ARMORY-COLES COUNTY  
MATTOON, ILLINOIS**



The Armory parking areas were flat and had few, small drainage pipes. The on-site drainage system connected to the undersized drainage system in the public street system owned by the City of Mattoon. During larger rain events, it was common for water to enter the armory. This project included the design of a new stormwater management system that included a dry detention basin to reduce the rate of discharge into the City's system and a drainage system sized to collect as much water from the parking areas as possible. The size of the pipes was restricted because of the limited elevation difference from the City's drainage system and the site elevations. The stormwater management system was designed in accordance with the City ordinances.

In addition to the drainage system in the parking lots, the project included the design of a pipe system to collect the water from the downspouts on the armory and connecting them to the new drainage system.

This project also included the reconstruction and construction of parking areas for military and personnel vehicles.

**Services Provided:**

- Plan and Specification Preparation
- Permitting with City of Mattoon
- Bidding Phase Assistance
- Construction Management and Periodic Construction Review

This project reflects Firm  
and Staff experience.

