

# PROJECT Profile

INFRASTRUCTURE ENGINEERING

MUNICIPAL ENGINEERING CONSULTING

## Section 4-J Macomb Township Civic Center

Macomb, MI

**Spalding DeDecker Associates, Inc. (SDA)** provided design services for all on-site and off-site public underground utilities, parking and roadways, serving the Township's new civic center. This Civic Center is the cornerstone to the Township's future Macomb Town Center development, which will eventually occupy all of section 9.



Design for this project was divided into two parts:

- Off-site utility and road extensions to the Civic Center site
- On-site utilities and parking areas serving the building.

The off-site portion consisted of working as the Township's engineer to design approximately 2600 lineal feet of 10-inch - 15-inch sanitary sewer; 4100 lineal feet of 8-inch - 16-inch water main; 4900 lineal feet of 12-inch - 48-inch storm sewer; a 5-acre retention basin; a 1200 lineal feet relocation of the McBride Drain; and ½ mile extension of Broughton Road with two side streets south from 25 Mile Road.

The on-site portion consisted of working with the Civic Center Architect to design approximately 5,000 square yards of bituminous parking areas and drive lanes, 800 lineal feet of 12-inch - 24-inch storm sewer and all associated site grading.

Both parts of the project had to be coordinated with Macomb Township, the site architect, soils consultants, Road Commission of Macomb County, Macomb County Office of Public Works, Michigan Department of Environmental Quality and Federal Emergency Management Agency as well as all private utilities. A hydraulic study of the McBride Drain to establish the base flood elevation on the property was also included.

SDA provided paving and grade observation services for the paving and construction contract administration for the off-site work.

### OWNER/CLIENT

Township of Macomb

### PROJECT START / END

11/1998 - 8/2002

### CONSTRUCTION COST

\$2.2 Million

### SDA KEY PERSONNEL

David A. Lakin, PE

James Van Tiffin, PE

### ROLE ON PROJECT

Topographic/Boundary Survey

Preliminary/Final Design

Hydraulic Study

Permitting

Construction Contract Administration

Construction Engineering

Construction Layout

Construction Observation

Construction Testing Coordination

Record Plans

Easement Preparation

### SDA PROJECT NO.

MA00016