



TRI-COUNTY
Engineering Consultants

OWNER / CLIENT
CARING DENTISTRY
DR. NAJWA SHAJA
DENTIST
(586) 825-0388

PROJECT START - END
SEPT 2008 – AUG 2009

PROJECT COST
\$1,200,000

KEY PERSONNEL
SERMED K. SAIF, PE

PROJECT NO.
SCD200812



CIVIL



48701 Hayes Road
Shelby Twp, MI 48315

www.Tri-CountyEng.com

PROJECT PROFILE

CARING DENTISTRY MEDICAL OFFICE CITY OF STERLING HEIGHTS, MACOMB COUNTY, MICHIGAN

BACKGROUND

Shaja Investments retained our professional services to develop a second dental office in the City of Sterling Heights for Dr. Shaja expanding her client base and service area.

LOCATION

The proposed development is located west of Mound Road north of 15 Mile Road.

SCOPE

Performed topographic/boundary survey, prepared the design work for the proposed medical office, prepared the construction documents for bidding, and obtained all necessary permits from government agencies having jurisdiction (City of Sterling Heights, MDOT, Road Commission for Macomb County...etc.). Also provided construction engineering services including contract administration, construction layout, observation, construction testing coordination, record drawings, and easement preparation.



The Civil design consisted of 2,000 square feet of a dental office, public watermain & sanitary sewer extensions, 300 lineal feet of 12" storm sewer, 6,000 square feet of concrete parking lot, 2,000 square feet of concrete sidewalks, 500 lineal feet of concrete curb & gutter, ADA ramps, pavement markings, soil erosion control and restoration.

SPECIAL FEATURES

Due to the site limitation, the work included the design of 3,000 cubic feet of parking lot storm detention in lieu of conventional basin. This involved dedicating public storm easements and coordination with City engineering department, MDOT, and Road Commission of Macomb County. Also, rezoning and setback variance applications were necessary for the proposed development.

