



NEWS RELEASE

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G2 PROVIDES ENGINEERING SERVICES FOR NEW SHELBY MACOMB MEDICAL MALL

Troy, Mich./May 11, 2009 – An extensive foundation designed by G2 Consulting Group made it possible to build the newly opened 160,000-square-foot Shelby Macomb Medical Mall on a highly visible site with soft blue clay soils in Shelby Township, Mich.

The less-than-ideal soils required a deeper, sturdier foundation system than normal for the building, which is three stories with a full basement. G2 designed a foundation that used 325 auger-cast piles extending 20 feet below the basement – at least 18 feet deeper than a typical foundation for this kind of structure, said Mark Smolinski, G2 founding principal.

“A standard foundation for a building like this would extend around one to two feet below the foundation in more stable soils,” Smolinski explains.

The 24-inch diameter piles were created by drilling holes down to the hardpan – very dense soils above the bedrock – and pumping grout into each hole as the drilling auger was pulled out. Spaced about six feet apart, these auger-cast piles are topped with pile caps, which support the grade beams of concrete reinforced with steel bars. The grade beams form a grid on which the basement was built.

G2 also provided geotechnical and construction engineering services for the building, located at the corner of 23 Mile and Schoenherr roads. Frank French Associates, Inc., of Rochester is the architect and Frank Rewold and Son, Inc., of Rochester is the construction manager.

G2 Consulting Group (www.g2consultinggroup.com) is a full-service engineering firm serving Fortune 500 companies, major utilities, property owners, government agencies and leading architectural, engineering and construction firms across the United States. Based in Troy, Mich., G2 also has offices in Brighton, Mich., and suburban Chicago, Ill.

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