



NEWS RELEASE
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G2 REDUCES FOUNDATION COSTS FOR NEW CHICAGO COMMUNITY HEALTH CENTER

Troy, Mich./June 16, 2010 – Geotechnical engineering by G2 Consulting Group significantly reduced the foundation and excavation costs for Lawndale Christian Health Center's (LCHC) proposed new community health center in west Chicago, Ill.

Located at 3748 W. Ogden Avenue – two blocks from the largest of LCHC's four existing centers – the new five-story building will include a clinic, fitness areas and offices. It will allow the nonprofit LCHC to meet an increasing demand for affordable community healthcare services in the neighborhood. Several unoccupied buildings on the proposed site will be demolished to accommodate the new center.

Based on the soils within the site, existing fill and medium stiff silty clay, and the new center's maximum expected column loads of up to 450 kips, G2 determined the most cost-effective foundation system would utilize belled piers extending through the fill material and lower consistency clay. Using belled piers significantly reduced costs of removing and replacing the existing fill soils and lower consistency clay soils and also cost less than the standard straight-shaft drilled piers. G2 worked closely with the project architect, McBride Kelley Baurer of Chicago, and the structural engineer, Hutter Trankina Engineering of Wayne, Ill., to develop the most cost effective foundation for the project.

The project also included deeper excavations extending to depths of 15 to 20 feet for construction of a partial basement area. G2 provided a slope stability analysis for the basement excavation and determined the contractor could use a steeper side slope than previously proposed. This reduced earthwork costs and eliminated the need to use a costly earth retention system that may have been required for the basement excavation.

G2 Consulting Group (www.g2consultinggroup.com and twitter.com/g2_consulting) 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.

