

**Drilling Services  
McCook Reservoir Grout  
Curtain Overburden Drilling**

**to the Core.  
Integrity**



**United States Army Corps  
of Engineers  
McCook Reservoir,  
Chicago, Illinois**

**Contract Value:  
\$1,138,050.00**

**Start Date: November 2006**

**End Date: April 2007**

**Project Reference:  
Nicholson Construction  
Ron Hall  
(801) 322-3111**

**Sonic drilling consisted of advancing two (2) rows of borings at a 15° angle from vertical using 6-inch sonic methods to depths of 2-feet into bedrock. Depth to bedrock ranged between 40 to 75-feet. After reaching total depth, four-inch flush joint pipe was set in the boring through the sonic casing and sonic casing was extracted. In some borings, the 6-inch sonic casing encountered difficult drilling conditions. This necessitated advancing the 4 x 6-inch to the top of bedrock at a 15° angle from vertical and continue 2-feet into rock using the 4-inch sonic barrel. The 4-inch sonic barrel was removed, the 4-inch flush joint pipe was placed in the borehole and the 6-inch sonic casing was removed.**



**M MILLER**  
DRILLING COMPANY

Certified by the Small Business Administration as a HUBZone Business

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