

# 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.



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