



## SECANT PILES

### LOCKPORT POOL MAJOR REHAB LOCKPORT, ILLINOIS

#### Project Summary

The existing canal wall was starting to crumble, which led to a section of it being replaced with Roller Compacted Concrete (RCC). This new section was offset from the original canal, and two secant pile cutoff walls were designed to connect the new section to the existing section. These secant piles were socketed into rock and overlapped the new RCC and existing canal wall in order to make the transition.

#### Project Relevancy

A series of overlapping secant piles were installed through the existing rock fill and overburden, and socketed up to 11' into the Dolomite bedrock. Verticality was measured on every secant pile installed. Difficult access and site constraints were overcome with proper sequencing and scheduling of different equipment and operations.

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Owner: **U.S. Army Corps of Engineers**

General Contractor: **ASI Constructors**

Design/Build Specialty Contractor:

**Schnabel Geostuctural Design & Construction**

Start/Completion Date: **November 2015 - February 2016**

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For more information on this project or any other of our projects please contact Schnabel at:

**(703) 742-0020 or visit our website at [www.schnabel.com](http://www.schnabel.com)**

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