



SECANT PILES | TIEBACKS

DEER VALLEY WTP - PHEONIX, ARIZONA

Schnabel was contracted to design and construct over 11,000 square feet of secant pile shoring for the repair and upgrade of an existing and active water treatment plant. The secant pile shoring system was designed to limit deformation and protect the existing critical treatment plant facilities during the construction of the new facilities. The system was comprised of 179 interlocking 36-inch diameter drilled shafts that were tiedback with two rows of tiebacks through continuous walers. Overall, 158 tiebacks up to 50 feet long were installed. The design supported excavation heights of up to 25 feet.

Owner: **City of Phoenix Water Services**
General Contractor: **Hunter Contracting**
Design/Build Specialty Contractor:
Schnabel Geostuctural Design & Construction

Hunter
CONTRACTING CO.

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

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