

# LIMITED ACCESS? NO PROBLEM WITH CHANCE

University of Virginia  
Main Heating Plant  
Charlottesville, VA

With limited access both inside (low headroom) and outside the heating plant, A.B. CHANCE foundation piles were the engineer's choice for support of a new stack foundation (exterior) and columns for the boiler foundation (interior). A.B. CHANCE Underpinning piles and shotcrete were used for excavation beneath the building's existing tunnels.



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## PROJECT

### University of Virginia – Main Heating Plant

Charlottesville, VA

General Contractor: Frank Lill and Son, Inc., Webster, NY

## PRODUCT

- A.B. Chance SS5 (55 kip ultimate capacity) piles were used with 10 in. – 10/12 in. leads advanced up to 27 ft. deep. Piles were monitored for torque during installation to assure the ultimate required capacity. **CHANCE** material was hot-dipped galvanized.

## ADVANTAGES

- **A.B. CHANCE** piles were installed with hydraulic drive heads mounted on excavators. This project required small equipment due to both interior and exterior limited access. **CHANCE** piles were chosen due to ultimate load capacity in limited conditions.

## CONTRACTORENGINEER

- J. A. Walder, Inc., Ashland, VA
- Lutz, Daly & Brain, LLC

## DESCRIPTION

This project had limited access and required piling both inside and outside the existing heating plant building. A.B. CHANCE piles were chosen because of the product's low headroom ability and fast installation. 61 A.B. CHANCE foundation piles were installed utilized in tension and compression. On the exterior, 12 piles were installed to support a new stack foundation. Interior modifications were required for 34 piles to support new columns for the boiler foundation. Excavation inside the building required earth support below existing tunnels; A.B. CHANCE underpinning piles and shotcrete were chosen for that application.

**FOR MORE DETAILS ON THIS PROJECT, CONTACT WALDER FOUNDATION PRODUCTS AT 804-798-3605, 800-335-3605, OR JHALL@WALDER.COM**

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