

# STRUCTURES

DIVISION



## GEOTECHNICAL CONSTRUCTION SERVICES

### Coatesville Train Station Construction

**Location:**

Coatesville, PA

**H&K Company:**

Haines & Kibblehouse, Inc.

**Construction Manager:**

Michael Baker International



**Client:**

Wickersham Construction

**Owner:**

Amtrak



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**Services Included:**

- Sheet Piles
- Soldier Piles
- Walers
- Rakers
- Heel Blocks
- STELCOR Drilled Displacement Foundations

**Additional Project Features:**

- 339 Pair NZ-19 Sheet Piles (30-40 LF Deep)
- 193 EA HP14x117 Soldier Piles (30-40 LF Deep)
- 1400 LF of HP14x73 Walers
- 5790 LF of W10x68 Rakers
- 750 CY of Concrete for 138 EA Heel Blocks
- 333 EA STELCOR Drilled Displacement Piles (40-50 LF Deep)

**Project Description:**

Construction of the proposed Amtrak Train Station in Coatesville is only possible once the support of excavation is installed. The support of excavation was installed with a Manitowoc 11000 crane and vibratory hammers. After installation of the sheet piles and soldier piles, walers were welded onto the wall. Next steps will be to excavate for the STELCOR piles which will support the heel blocks and the rakers to the wall. One of the challenges on this project was coordination between Amtrak and our work force. Amtrak requires safety flaggers and crew on-site, as well as track and electrical outages, to allow our operation to proceed in a safe manner.