

STRUCTURES

DIVISION



GEOTECHNICAL CONSTRUCTION SERVICES

14 Union Hill Rd.

Location:

Conshohocken, PA

H&K Company:

Structures Division

Owner:

Viking Associates



Client:

Aegis Property Group, Ltd.

Services Included:

- Soil Nails and Shotcrete
- Site Stabilization: Soil Nails and Shotcrete
- Retaining Wall: Gravix T-Wall
- Retention/ Detention Basin: ADS Pipe

Additional Project Features:

- 321 EA Soil Nails: 20' - 31' in length
- 8,148 SF of Shotcrete Wall
- 7,031 SF of Gravix-T Wall
- 290 LF of Roadway Barrier on top of Gravix T-Wall
- 4250 SF ADS Retention Basin

Project Description:

This project began by stabilizing the site due to a previous slope failure. Working in lifts, our crew installed a soil nail and shotcrete wall. T40/20 hollow bar was used for the soil nails. With the site stabilized, installation of the retaining wall began. The wall consisted of Gravix T-Wall pieces manufactured by Atlantic American Precast. When travelling on I-476 Southbound (before exit 16), the wall can be seen standing tall. Before paving could be completed, an ADS retention/ detention pipe system was installed. This system utilized 48" ADS pipe and greatly improved storm water management on the property.

