



Key achievements

- Constructed retaining wall at regional hospital while emergency ambulatory access and main entrance remained open to pedestrians and vehicular traffic.
- Coordinated openly with local entities as well as corporate owner during contract negotiations and construction phases.

The project

Nestled in the heart of West Virginia coal country, Logan Regional Medical Center serves as the primary source of medical treatment in the greater Logan area. Severe storms swept through Logan, causing a landslide from the hospital to the river below it. LifePoint Health called McKinney Drilling to remediate the evolving slide.

The challenge

During heavy rains, a 375 ft span of roadway in front of the Medical Center was compromised and shifted towards the 100 ft downhill slope to the Guyandotte River. Sandstone earth conditions posed challenges for drilling operations. The hospital needed to stay fully functional during construction; safety of patients, visitors, and staff were of high priority.

The solution

McKinney immediately responded to install a 4,000 ft² full-scope piling wall. This included multiple shafts measuring from 48in x 63ft to 54in x 93ft to retain the hospital complex. Rock sockets 30ft deep were drilled into the sandstone. McKinney Drilling safely and efficiently constructed the large piling while maintaining pedestrian access and operational activities at the adjacent hospital.

Application

Earth Retention & Shoring

Technique

Pre-Drilling, Soldier Piles & Lagging

Market Sector

Institutional – Healthcare

Owner

LifePoint Health

Main contractor

McKinney Drilling Company

Engineer

American Geotech, Inc.

Keller business unit (s)

McKinney Drilling Company