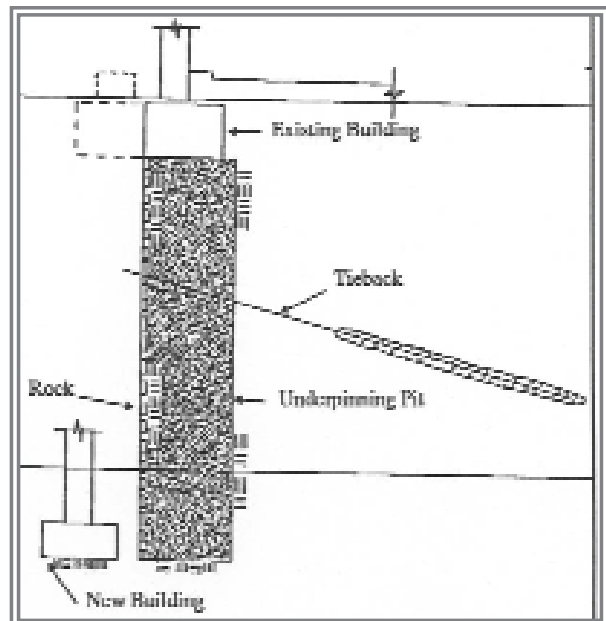




**Mellon Bank Corporate Center**  
Philadelphia, PA

To allow foundation construction 50 feet below original grade, Schnabel Foundation Company designed and constructed a tied-back un underpinning and sheeting system to support existing tunnel columns, each loaded with up to 90 kips of roof and traffic loads.

Where rock was encountered above sub-grade, the underpinning was protected by line drilling and rock bolting the exposed face.



Owner: Nine Penn Center Associates, L.P., Philadelphia, PA  
 Construction Manager: Turner Construction Company, Philadelphia, PA  
 Sheet piling and Underpinning Contractor: Schnabel Foundation Company, Philadelphia, PA

<http://www.schnabel.com>