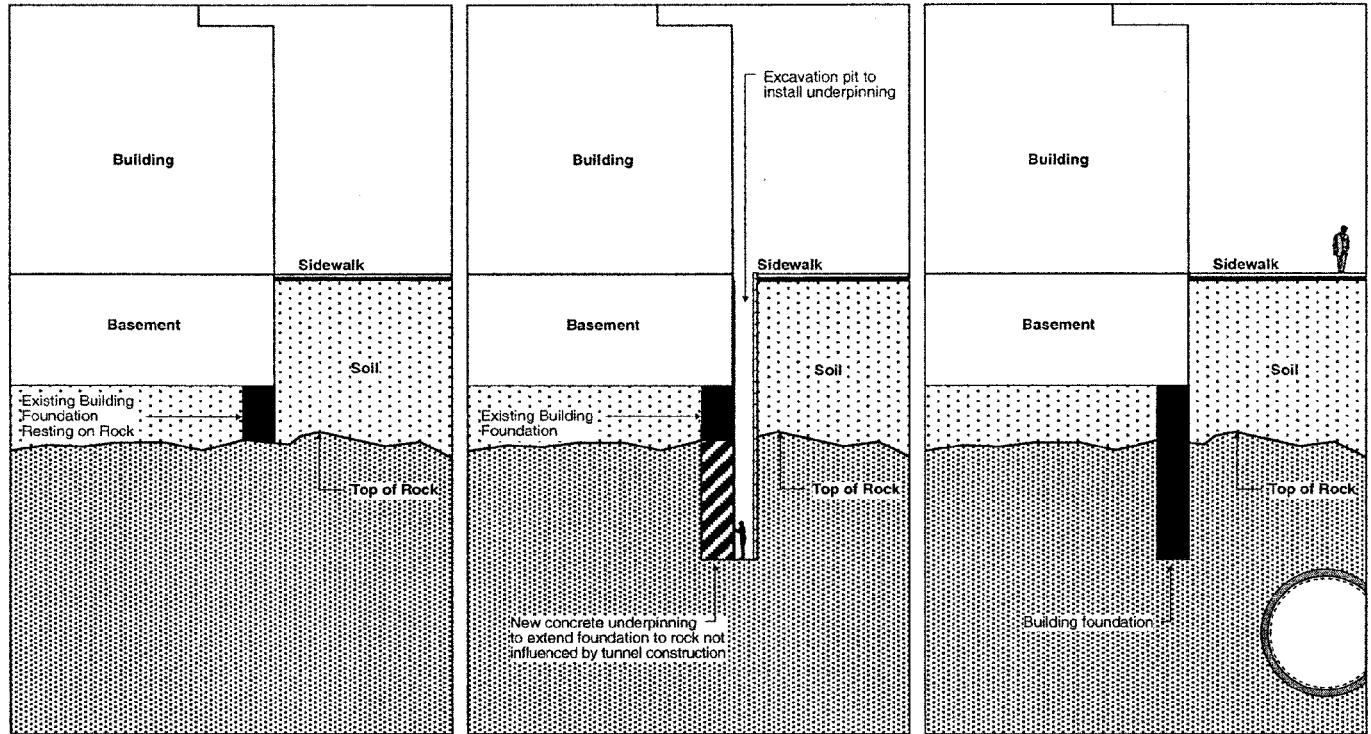


4.12.04

Underpinning in Rock Condition

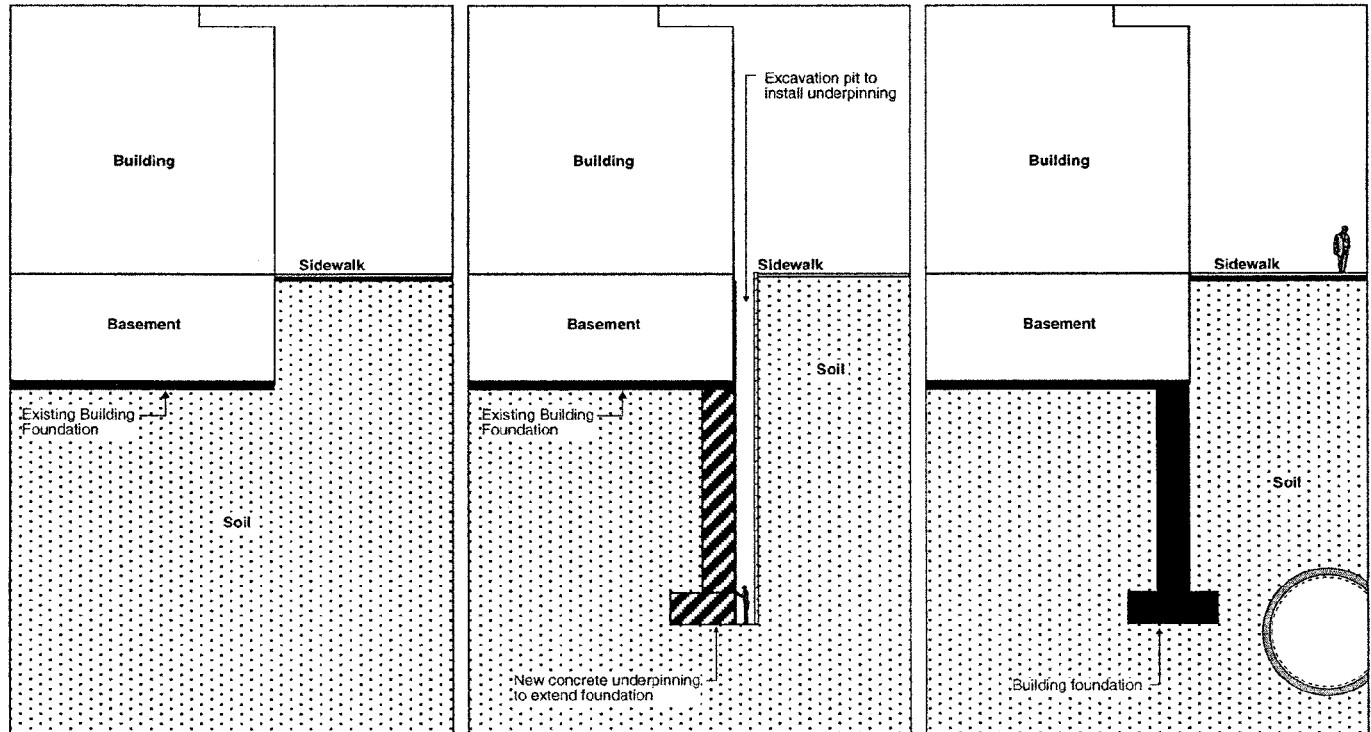


1. Existing condition without underpinning

2. During underpinning construction

3. With underpinning

Underpinning in Soil Condition



1. Existing condition without underpinning

2. During underpinning construction

3. With underpinning