



THE CITY OF ASPEN

## CITY OF ASPEN ENGINEERING DEPARTMENT

### Excavation Stabilization Requirements

**All drawings must be 24" x 36" in size. All Excavation Stabilization Plans must be included in the permit sets.**

As an alternative to the use of stabilization elements (i.e., soil nails, etc.), stabilization may be achieved using the techniques outlined in **OSHA Regulations (Standards – 29 CFR), Sloping and Benching – 1926 Subpart P, App. B** (a link for this is provided at the City Engineering Department's webpage).

The permit application needs to include an Excavation Stabilization Plan that has been prepared and stamped by a Colorado Professional Engineer (Refer to OSHA Department of Labor Sloping and Benching Requirements 1926 Subpart P Appendix B for guidance). This is a general list of **required information**. More information may be required, as each project is individually evaluated. The plan's objective is to reduce the likelihood that building excavations may damage adjacent properties or trees or cause road closures. This includes demonstrating that there will be no adverse effect (including potential deflection) on any adjacent properties.

- extent of the excavation
- cross section(s) of the excavation cut
- spot elevations of the top and bottom of cuts
- location of construction fences
- site-specific construction drawings of excavation stabilization measures
- necessary erosion control measures
- location and depth of utilities located within 12 feet of the proposed system
- How service lines will be accommodated with the proposed system
- Monitoring plan for adjacent properties
- A depiction of the surcharge restricted areas (note restricted areas can not include alleys or areas receiving traffic)
- Plan must demonstrate a Maximum deflection of .003" per foot of depth at the ROW. No deflection is permitted adjacent to private property unless permission is received from neighboring property.

#### Neighbor Notification

The Contractor must comply with the neighbor notification requirements stated in Section 3307 of the 2003 International Building Code.

**Stabilization elements may be allowed in the ROW and are subject to Sec. 2.12.051 of the Aspen Municipal Code.**

**Stabilization elements (i.e., soil nails, etc.) are allowed in setbacks, but they must be covered.**