
By Standard Number / 1926 Subpart P App F - Selection of Protective Systems

- **Part Number:** 1926
 - **Part Number Title:** Safety and Health Regulations for Construction
 - **Subpart:** 1926 Subpart P
 - **Subpart Title:** Excavations
 - **Standard Number:** 1926 Subpart P App F
 - **Title:** Selection of Protective Systems
 - **GPO Source:** e-CFR
-

The following figures are a graphic summary of the requirements contained in subpart P for excavations 20 feet or less in depth. Protective systems for use in excavations more than 20 feet in depth must be designed by a registered professional engineer in accordance with 1926.652(b) and (c).

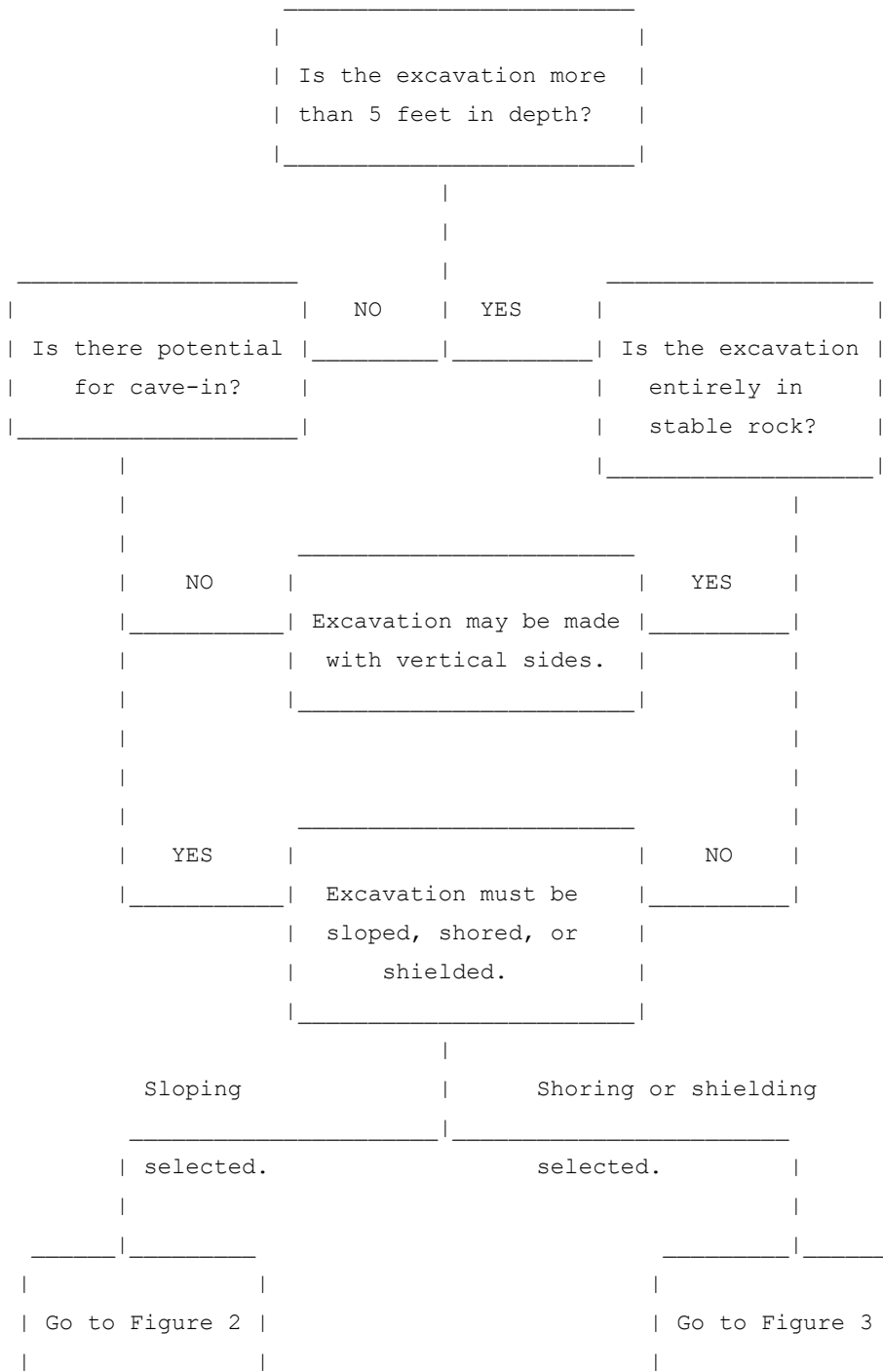


FIGURE 1 - PRELIMINARY DECISIONS

| _____ |
 | |
 | |
 | _____ |
 | Will soil classification |
 | be made in accordance |
 | with Sec. 1926.652(b)? |
 | _____ |

YES

NO

| _____ |
 | |
 | |
 | _____ |
 | Excavation must comply with |
 | one of the following three |
 | options: |
 | _____ |

Option 1:

| Sec. 1926.652(b) (3) which |
 | requires Appendices A |
 | and B to be followed |
 | |

Option 2:

| Sec. 1926.652(b) (3) which |
 | requires other tabulated |
 | data (see definition to |
 | be followed. |
 | |

Option 3:

| Sec. 1926.652(b) (4) which |
 | requires the excavation to |
 | be designed by a registered |
 | professional engineer. |
 | _____ |

| _____ |
 | |
 | |
 | _____ |
 | Excavations must comply |
 | with Sec. 1926.652(b) (1) |
 | which requires a slope |
 | of 1 1/2 H:1V (34 deg.). |
 | _____ |

FIGURE 2 - SLOPING OPTIONS

| Shoring or shielding selected |
| as the method of protection. |
|_____ |
| |
|_____ |
| |
| Soil Classification is required |
| when shoring or shielding is |
| used. The excavation must comply |
| with one of the following four |
| options: |
|_____ |
| |
| Option 1 |
| |
| Sec. 1926.652(c) (1) which requires |
| Appendices A and C to be followed |
| (e.g. timber shoring). |
| |
| |
| Option 2 |
| |
| Sec. 1926.652(c) (2) which requires |
| manufacturers data to be followed |
| (e.g. hydraulic shoring, trench |
| jacks, air shores, shields). |
| |
| |
| Option 3 |
| |
| Sec. 1926.652(c) (3) which requires |
| tabulated data (see definition) to |
| be followed (e.g. any system as |
| per the tabulated data). |
| |
| |
| Option 4 |
| |
| Sec. 1926.652(c) (4) which requires |
| the excavation to be designed by a |
| registered professional engineer |
| (e.g. any designed system). |
|_____ |

FIGURE 3 - SHORING AND SHIELDING OPTIONS

UNITED STATES DEPARTMENT OF LABOR

Occupational Safety & Health Administration

200 Constitution Ave NW

Washington, DC 20210

☎ 800-321-6742 (OSHA)

TTY

www.OSHA.gov

FEDERAL GOVERNMENT

White House

Severe Storm and Flood Recovery
Assistance

Diaster Recovery Assistance

DisasterAssistance.gov

USA.gov

No Fear Act Data

U.S. Office of Special Counsel

OCCUPATIONAL SAFETY & HEALTH

Frequently Asked
Questions

A - Z Index

Freedom of Information
Act (FOIA)

Read The OSHA
Newsletter

Subscribe to the OSHA
Newsletter

OSHA Publications

Office of Inspector
General

ABOUT THIS SITE

Freedom of Information Act (FOIA)

Privacy & Security Statement

[Disclaimers](#)

[Important Web Site Notices](#)

[Plug-ins Used by DOL](#)

[Accessibility Statement](#)