

Excavation Worksheet

Competent Person: _____

Location/Jobsite: _____

Inspection Date/Time: _____

Trench location/ID: _____

811/Gopher State One-Call (651-454-002) notified? YES NO Locations Marked? YES NO

1. Actual or Anticipated DEPTH: _____

| |
|---|
| Excavations 4-5 feet deep |
| Egress: Ladder Ramp Other: _____ |
| Inspection Complete |
| Risk of Toxic Air? (Test w/4-gas monitor) |

| |
|---|
| Excavations 5 ft+ deep |
| Soil Analysis (see #3 below) |
| Protective Method: (required for 5+ ft) |

| |
|---|
| 1. SLOPE: <input type="checkbox"/> Type C (1 ½: 1) <input type="checkbox"/> Type B (1:1) <input type="checkbox"/> Type A (3/4:1) |
| 2. Protective System/Trench Box (check design method used) Design: <input type="checkbox"/> Appendix A,C,D-[1926.652(c)(2)] <input type="checkbox"/> Manuf. Tabulate Data <input type="checkbox"/> Other Tabulated Data |
| 3. Designed by Reg. Prof. Engineer Plan indicates, size, type, and config. Engineer's Name: _____ License # _____ |

2. Additional Factors

| |
|---|
| No Water Accumulation? |
| Spoil pile two feet back? |
| Fall Protection used? (if 6+ft falls) |
| Guardrails, fence, barricade, covers used? |
| Exposure to falling loads controlled? |
| Hi-Vis Vests worn? |
| Adjacent structure stable? (undercut ≤ 2ft) |

3. SOIL ANALYSIS Visual + Manual Test [1926.652, App. A] (Check if present on site) SLOPE

| Type C (1 ½: 1) | Type B (1:1) | Type A (3/4:1) |
|--|---|--|
| Fissures | Fissured, Type A | Not Fissured |
| Previously Disturbed | Prev. Disturbed Type A or B | Not Disturbed previously |
| Subject to Vibrations | Subject to vibration Type A | No Vibrations |
| Water (rain, etc.) | Unstable Type A soil | Stable soil, no water |
| Submerged Soil | | |
| Type of Soil (choose one) <input type="checkbox"/> Gravel <input type="checkbox"/> Sand <input type="checkbox"/> Loamy Sand | Type of Soil (choose one) <input type="checkbox"/> Silt <input type="checkbox"/> Silty Loam <input type="checkbox"/> Sandy Loam <input type="checkbox"/> Crushed rock | Type of Soil (circle one) <input type="checkbox"/> Rocky <input type="checkbox"/> Clay <input type="checkbox"/> Silty Clay <input type="checkbox"/> Sandy Clay <input type="checkbox"/> Clay Loam |
| Compressive Strength ≤ 0.5 tsf | Compressive strength .5 tsf -1.5 tsf | Compressive Strength ≥ 1.5 tsf <input type="checkbox"/> Pocket penetrometer <input type="checkbox"/> Manual method: thumb pencil fissure |
| TW _____ = (3 x D _____) = BW _____ | TW _____ = (2 x D _____) = BW _____ | TW _____ = (1.5 x D _____) = BW _____ |

TW= Top Width, D= Depth, BW= Bottom Width

Loam is 40–40–20%, sand-silt-clay, a good texture for garden soil.

