

## Trench, Excavation, Shoring – Inspection Form

Inspections shall be conducted before each shift, as needed during shift, and after a rain event.

Date:

Competent Person:

Project:

Location:

Blue Stake/Utility Locate Number:

### Visual Inspection

	Yes	No		Yes	No
Subject to Vibration			Cohesive		
Fissured/Cracks Present			Granular		
Caved In			Moist, not wet		
Layers tilting into trench			Dry		
Previously Disturbed Soil			<b>“Yes” below mean Type C soil</b>		
Excavated Soil Crumbles Easily			Saturated or submerged		
<b>“Yes” above soil is not Type A</b>			Water is seeping freely		

### Manual Tests

Plasticity (Ribbon Test)		Cohesive		Non-Cohesive
Thumb Penetration	¼” or Less (Type A)		¼” to 1” (Type B)	1” or More (Type C)
Penetrometer	t/sq.ft		t/sq.ft	t/sq.ft

### Soil Classification

Soil Type	Stable Rock	Type A	Type B	Type C
Protection	Sloping	Trench Box	Shoring	Other
Slope Angle	3/4H:1V (Type A)		1H:1V(Type B)	1 1/2H:1V(Type C)
Depth of Trench:	Width at Bottom:		Overall Width:	

### Daily Inspection

Inspection Items	Check if acceptable or <b>N</b> note deficiency
A. All utilities located, supported or protected.	Y/N

- B. No fissures, cracks, sluffing, undermining, or cave-ins present. Y/N
- C. No water problems that affect integrity of trench or excavation. Y/N
- D. No atmospheric hazards or substances Y/N
- E. Surface encumbrances, loose rock, soil removed or supported. Y/N
- F. Spoils, materials, and equipment set back a minimum of 2 feet from the edge. Y/N
- G. Berms, flagging, or barricades used to warn others of excavation. Y/N
- H. Access: ladders, ramps provided within 25 feet of worker if over 4 feet deep. Y/N
- I. Trench box installed correctly - 18" above soil, backfilled, & rating Y/N
- J. Shoring inspected for deflection, condition, backfill, and undermining. Y/N
- K. As a competent person, I certify the excavation or trench to be safe for employees to work in and occupy. Y/N