

# EXCAVATION WORK PERMIT

Excavation Date: _____	Job No.: _____
Job Name: _____	Job Address: _____
Company Name: _____	Trench Depth / Width: _____
Competent Person Name: _____	Excavation > 4 feet deep?: <input type="checkbox"/> Yes <input type="checkbox"/> No
Protective System: _____	Type of <input type="checkbox"/> Stable Rock <input type="checkbox"/> Type A
Activities in Trench: _____	Soil:* <input type="checkbox"/> Type B <input type="checkbox"/> Type C

\*See Page 2 for Soil Type Definitions

**INSTRUCTIONS:** Prior to entering any excavation greater than 4 feet in depth or where there's potential for injury due to cave-in, the competent person SHALL complete and review this permit with all entrants. Any items marked "NO" on this form SHALL be remediated prior to any employees entering the excavation. The completed permit SHALL be kept in the jobsite trailer for the duration of the workday. **NOTE:** Per the requirements of 1926.651(k) *Inspections*, a new permit shall be completed and reviewed if ANY of the following conditions exist: 1. A rainstorm occurs; 2. Where evidence of a possible cave-in is observed; 3. Indications of protective system failure; 4. Hazardous atmosphere.

	YES	NO	N/A
<b>GENERAL</b>			
Employees protected from cave-ins and loose rock // soil that could roll into the excavation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineering designs for sheeting and / or manufacturer's data on trench box capabilities on site.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adequate signs posted and barricades provided.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Training (Toolbox Meeting) conducted with employees prior to entering excavation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>UTILITIES</b>			
Utility company contacted and given 72 hours' notice and / or utilities already located and marked.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhead lines located, noted, and reviewed with the operator.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility locations reviewed with the operator, and precautions taken to ensure contact does not occur.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utilities crossing the excavation supported and protected from falling materials.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underground installations protected, supported, or removed when excavation is open....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	YES	NO	N/A
<b>WET CONDITIONS</b>			
Precautions taken to protect employees from water accumulation (continuous dewatering).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface water or run-off diverted / controlled to prevent accumulation in the excavation...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspection made after every rainstorm or other hazard increasing occurrence.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>HAZARDOUS ATMOSPHERES</b>			
Air in the excavation tested for oxygen deficiency, combustibles, and other contaminants..	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ventilation used in atmospheres that are oxygen rich / deficient and / or contains hazardous substances.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ventilation provided to keep LEL below 10%.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency equipment available where hazardous atmospheres could or do exist.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety harness and lifeline used.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Supplied air necessary (If YES, contact the Safety Department).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ENTRY &amp; EXIT</b>			
Exit (i.e., Ladder, Sloped Wall) is no further than 25 feet from ANY employee.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ladders secured and extend 3 feet above the edge of the trench.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wood ramps constructed of uniform material thickness, cleated together at the bottom....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employees protected from cave-ins when entering or exiting the excavation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**\*SOIL TYPE DEFINITIONS:**

**Stable Rock** is natural solid mineral matter that can be excavated with vertical sides and remain intact while exposed. It is usually identified by a rock name, such as granite or sandstone.

**Type A Soils** are cohesive soils with an unconfined compressive strength of 1.5 tons per square foot (tsf) or greater. Examples of Type A cohesive soils are often: clay, silty clay, sandy clay, clay loam and, in some cases, silty clay loam and sandy clay loam. (No soil is Type A if it is fissured, is subject to vibration of any type, has previously been disturbed, is part of a sloped, layered system where the layers dip into the excavation on a slope of 4 horizontal to 1 vertical (4H:1V) or greater, or has seeping water.

**Type B Soils** are cohesive soils with an unconfined compressive strength greater than 0.5 tsf but less than 1.5 tsf. Examples of other Type B soils are: angular gravel; silt; silt loam; previously disturbed soils unless otherwise classified as Type C; soils that meet the unconfined compressive strength or cementation requirements of Type A soils but are fissured or subject to vibration; dry unstable rock; and layered systems sloping into the trench at a slope less than 4H:1V (only if the material would be classified as a Type B soil).

**Type C Soils** are cohesive soils with an unconfined compressive strength of 0.5 tsf or less. Other Type C soils include granular soils such as gravel, sand and loamy sand, submerged soil, soil from which water is freely seeping, and submerged rock that is not stable. Also included in this classification is material in a sloped, layered system where the layers dip into the excavation or have a slope of 4H:1V or greater.