

# EXCAVATION AND TRENCHING INSPECTION

Date	Job No	Location	Competent Person	Gas Monitor Ser No					
Competent Person Inspecting	Time	O2	H2S	LEL	CO	Trench OK to Enter			
Locates		Date:	Confirmation No:	Locates Visible <input type="checkbox"/> Y <input type="checkbox"/> N					
<b>Jobsite Hazards</b>			<b>Work Practices</b>						
<input type="checkbox"/> Vehicle Traffic	Mobile Equipment		<b>Traffic Control:</b>	<input type="checkbox"/> Signs	<input type="checkbox"/> Cones	<input type="checkbox"/> Barricades			
<input type="checkbox"/> Overhead Obstructions	<input type="checkbox"/> Underground Installations		<b>Ladders:</b>	<input type="checkbox"/> Within 25'	<input type="checkbox"/> Extends 3'	<input type="checkbox"/> Accumulat			
<input type="checkbox"/> Falling Loads	<input type="checkbox"/> Hazardous Atmosphere		<b>Dewatering:</b>	<input type="checkbox"/> CP monitors	<input type="checkbox"/> Proper Operations	<input type="checkbox"/> Supplied Air			
<input type="checkbox"/> Adjacent Structures	<input type="checkbox"/> Surface Encumbrances		<b>Atmosphere:</b>	<input type="checkbox"/> Ventilation	<input type="checkbox"/> Monitoring	<input type="checkbox"/> Other			
<b>Soil Stability</b>			<b>Equipment:</b>	<input type="checkbox"/> > 2' from edge	<input type="checkbox"/> Warning device				
<input type="checkbox"/> Y <input type="checkbox"/> N Previously distributed by underground structures or utilities?			<input type="checkbox"/> Y <input type="checkbox"/> N Soil subject to thawing conditions?						
<input type="checkbox"/> Y <input type="checkbox"/> N Soil subject to vibration from adjacent area or from equipment used in the excavation?			<input type="checkbox"/> Y <input type="checkbox"/> N Soil subject to surcharge from spoils, materials, or equipment?						
<b>Visual Test</b>									
<input type="checkbox"/> Y <input type="checkbox"/> N Soil spill from excavator bucket in cohesive clumps or granular stream?			<input type="checkbox"/> Y <input type="checkbox"/> N Particle sizes of predominate soils are fine grained, course grained, or gravel?						
<input type="checkbox"/> Y <input type="checkbox"/> N Soil exist in layered system?			<input type="checkbox"/> Y <input type="checkbox"/> N Soil is fissured?						
<input type="checkbox"/> Y <input type="checkbox"/> N Presence of rock?			<input type="checkbox"/> Y <input type="checkbox"/> N Rock is stable?						
<input type="checkbox"/> Y <input type="checkbox"/> N Accumulating runoff?			<input type="checkbox"/> Y <input type="checkbox"/> N High groundwater table?						
<input type="checkbox"/> Y <input type="checkbox"/> N Seeping from sides?			<input type="checkbox"/> Y <input type="checkbox"/> N Submerged in surface water (creeks, etc.) ?						
<b>Manual Test</b>									
Penetrometer Readings (Minimum of five tests must be completed)									
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Average tsf:		<input type="checkbox"/> <0.5 tsf = Type C		<input type="checkbox"/> 0.5 - 1.5 tsf = Type B			<input type="checkbox"/> >1.5 tsf = Type A		
<b>Plasticity Test</b>									
Length of 1/8" thread that can be held horizontally inches <input type="checkbox"/> < 2" = Granular <input type="checkbox"/> < 2" = Cohesive <input type="checkbox"/> NA									
<b>Thumb Penetration Test (FOR INFORMATION)</b>			<b>TYPE C</b>	<b>TYPE B</b>	<b>TYPE A</b>				
All tests should be run on:			<input type="checkbox"/> Easy	<input type="checkbox"/> Effort	<input type="checkbox"/> Great effort/not at all				
• Large clump of soil material			<input type="checkbox"/> Molded by light finger pressure	<input type="checkbox"/> Can only indent					
• As soon as excavated									
• Later after wetting									
• Reclassified									
<b>Soil Test Classification</b>			<b>Protective System Chosen</b>						
Results of Testing:			Protection Chosen: <input type="checkbox"/> <input type="checkbox"/> Shielding <input type="checkbox"/> Shoring						
Soil Type <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C			Sloping						
<b>Trench Box Information</b>									
<input type="checkbox"/> Y <input type="checkbox"/> N Trench box drawings available			<input type="checkbox"/> Y <input type="checkbox"/> N PE stamped drawings available for special shoring						
<input type="checkbox"/> Y <input type="checkbox"/> N Stack locking Pins available and used			<input type="checkbox"/> Y <input type="checkbox"/> N Spreader bar pin installed and safety pinned						
<b>Comments:</b> _____									
Note: All unsafe conditions must be corrected before trench entry. If any hazardous conditions are observed, the trench must be immediately evacuated and no one allowed to re-enter until corrective action has been taken.									
Excavation Entry Authorized By: Competent Person _____									