Excavation/Trench Inspection Form

Date	Job No	Location	Competent Person	Gas Monitor Ser No

Inspect excavations throughout the work period. If conditions change, complete a new inspection form.

Time:	☐ a.m. ☐ p.m.	Weather:
Time:	☐ a.m. ☐ p.m.	Weather:
Time:	☐ a.m. ☐ p.m.	Weather:
Time:	☐ a.m. ☐ p.m.	Weather:

Locates Date: Confirmation No: Locates Visible ☐Y ☐N

Jobsite Hazards **Work Practices**

☐ Vehicle Traffic	☐ Mobile Equipment	Traffic Control:	☐ Signs	☐ Cones	☐ Barricades
☐ Overhead Obstructions	☐ Underground Installations	Ladders:	☐ Within 25'	☐ Extends 3'	☐ Accumulation
☐ Falling Loads	☐ Hazardous Atmosphere	Dewatering:	☐ CP monitors	☐ Proper Operations	☐ Supplied Air
☐ Adjacent Structures	☐ Surface Encumbrances	Atmosphere:	☐ Ventilation	☐ Monitoring	☐ Other
		Equipment:	☐ > 2' from edge	☐ Warning device	

Soil Stability

☐ Previously distributed by underground structures or utilities	☐ Soil subject to thawing conditions?
☐ Soil subject to vibration from adjacent area or from equipment used in the excavation?	☐ Soil subject to surcharge from spoils, materials, or equipment?

Visual Test

☐Y ☐N Soil spill from excavator bucket in cohesive clumps or granular stream?	☐Y ☐N Particle sizes of predominate soils are fine grained, course grained, or gravel?
☐Y ☐N Soil exist in layered system Layers slope: % Slope	☐Y ☐N Soil is fissured?
☐Y ☐N Presence of rock?	☐Y ☐N Rock is stable?
☐Y ☐N Accumulating runoff?	☐Y ☐N High groundwater table?
☐Y ☐N Seeping from sides?	☐Y ☐N Submerged in surface water (creeks, etc.) ?

Manual Test

Penetrometer Readings (Minimum of five test must be completed)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

Average tsf: ☐ <0.5 tsf = Type C ☐ 0.5 - 1.5 tsf = Type B ☐ >1.5 tsf = Type A

Plasticity Test

Length of 1/8" thread that can be held horizontally inches ☐ < 2" = Granular ☐ < 2" = Cohesive

Thumb Penetration Test	**TYPE C**	**TYPE B**	**TYPE A**
All tests should be run on: • Large clump of soil material • As soon as excavated • Later after wetting • Reclassified	☐ Easy ☐ Molded by light finger pressure	☐ Effort	☐ Great effort/not at all ☐ Can only indent

Soil Test Classification **Personnel Protective System Chosen**

Results of Testing: Soil Type ☐ A ☐ B ☐ C	Protection Chosen: ☐ Sloping ☐ Shielding ☐ Shoring

Trench Box Information

☐Y ☐N Trench box drawings available	☐Y ☐N PE stamped drawings available for special shoring
☐Y ☐N Stack locking Pins available and used	☐Y ☐N Spreader bar pin installed and safety pined

Comments: _____

_____

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 _____