

ALEXANDER MECHANICAL, INC.

TRENCH SAFETY DAILY FIELD INSPECTION REPORT

Project Name: _____ Job #: _____
 Inspection By (Authorized Competent Person) _____
 Excavation Location: _____
 Excavation Depth: _____ Excavation Width: _____
 Date: _____ Time: _____ Rain Fall (within 24 hours): _____
 Current Weather Conditions: _____

Excavations, adjacent areas, and protective systems inspected prior to start of work	Y	N	NA
All affected underground utilities located/marked	Y	N	NA
All equipment, spoils & materials located proper distance back (2') from edge of excavation	Y	N	NA
Employees protected from water accumulation	Y	N	NA
Employees protected from loose rock, spoils, or material capable of falling/ rolling into excavation	Y	N	NA
Traffic in area rerouted from trenching operations with barricades	Y	N	NA
High visibility vests provided and worn by all employees exposed to traffic	Y	N	NA
All ladders or means of access and egress are contained within an approved protective system	Y	N	NA
Will barricades or warning systems be installed at the end of the workday	Y	N	NA
Surface encumbrances removed or supported	Y	N	NA
Employees prohibited from working or walking under suspended loads	Y	N	NA
Employees prohibited from working on the faces of sloped or benched excavations above others	Y	N	NA
Ground workers able to maintain eye contact with equipment operator	Y	N	NA
Shoring/shielding systems installed properly (e.g. Top 18-inches not backfilled, the system is not riding greater than 2-feet off the bottom of the excavation)	Y	N	NA

Air Monitoring: Atmospheres in excavations should be tested if a hazardous atmosphere exists or could reasonably be expected (e.g. Landfills, contaminated soils, use of gas powered tools, etc)

Are hazardous atmospheres present? Y or N If yes, please explain: _____

% of Oxygen: _____ % of LEL: _____ Other: _____

Soil Types: Soil Classification shall be made based on the results of at least on visual and one manual test.

<u>Check Soil Type:</u>	<u>Manual Test Performed</u>	<u>Protection System(s) used:</u>
Stable Rock: _____	**Pocket Penetrometer _____	1) <i>Sloping or Benching</i>
Type A: _____	Thumb Penetration _____	Stable Rock 90° _____
Type B: _____	Dry Strength _____	Type A – ¾ : 1 _____
Type C: _____	Plasticity _____	Type B – 1 : 1 _____
	**Pocket Penetrometer is the #1 preferred way for manual test of soil	Type C – 1-1/2 : 1 _____
<u>Visual Test:</u> (inspect for)	<u>Equipment on Site/Used</u>	2) <i>Shoring/Shielding</i>
Fissured Ground Y or N _____	_____	Timber _____
Layered Soil Y or N _____	_____	Hydraulic _____
Disturbed Soil Y or N _____	_____	Trench Box _____
Seepage Y or N _____	_____	Trench Shield _____
Vibration Y or N _____	_____	Design using Tabulate Data
Sloughing/caving Y or N _____	_____	Reg. Professional Engineer _____
		(If > 20')

Observations and additional Comments: _____