SOIL CLASSIFICATION & EXCAVATION DAILY INSPECTION

Jobsite Location: _____ Date & Time of Inspection: _____

Competent Person's Name: _____Excavation Location and/or #: _____

Excavation Depth & Length: _____ Contractor : _____

Note: if excavation/trench depth is greater than 20' and sloping is to be used for employee protection, this must be designed by a Registered Professional Engineer. If a manufactured trench box, hydraulic shores, etc. are used the equipment must be rated for the depth intended (manufacturers tabulated data) and the data present on the project.

I. Site Conditions (*Answer Questions 1-14 Yes/No or N/A)*

1) _____Weather acceptable
2) _____Water Accumulation
3) _____Vibration Sources
4) _____Proper sloping / benching used.
5) _____Surface encumbrances
6) _____Underground utilities located / protected.
7) _____Means of egress: (Ramp, Stair, Ladder)
8) _____Employees exposed to vehicular traffic.
9) _____Employees exposed to falling load
10) _____Hazardous atmosphere considered.
    a) _____Oxygen >19.5% <23%
    b) _____LEL <10%.
    c) _____Carbon monoxide < 35 PPM.
11) _____Protection from water accumulation hazards.
12) _____Adjacent structures stable.
13) _____Excavated soil >2 feet from excavation edge.
14) _____Equip/materials >2 feet from excavation edge

II. Soil Analysis and Classification ***(One visual & One Manual Test Required Per Excavation)***

Refer to OSHA 29 CFR 1926 Subpart P App A - Soil Classifications

Visual Test /*Soil Characteristics:* (check all that apply)

❑ Cemented ❑ Cohesive ❑ Dry ❑ Fissured ❑ Saturated
❑ Granular ❑ Layered ❑ Moist ❑ Plastic ❑ Submerged

***Manual Test Used:* (check all that apply)**

❑ Plasticity ❑ Dry Strength ❑ Thumb Penetration
❑ Pocket Penetrometer ❑ Drying Test ❑ Shearvane

III. Soil Classification (Based on Testing Above)

❑ Stable Rock ❑ Type A Soil ❑Type B Soil ❑ Type C Soil

IV. Protective System Options

Sloping or Benching Design Selected *(check applicable option using table B-1 of 29 CFR 1926 Subpart P App B)*

- ❑ Option (1) slope is 1 ½:1. **(SLOPED FOR CLASS C SOIL WITHOUT SOIL DETERMINATION) – No Benching Permitted**
- ❑ Option (2) Slope is _____Based on Soil type and configurations in Table B-1
- ❑ Sloped the following based on Layered Soil type and configuration in Table B-1 _____

Support Design Selected: *(check applicable option using 29 CFR 1926 Subpart P App C-F)*

- ❑ Trench Shields (trench box) - Manufacturer Name _____**DATA MUST BE ON SITE**
- ❑ Timber Shoring (Per OSHA appendix C)
- ❑ Aluminum Hydraulic Shoring – Manufacturer Name _____**DATA MUST BE ON SITE**
- ❑ Registered Professional Engineer Design – **STAMPED DESIGN MUST BE PRESENT ON SITE**
- ❑ Other:_____**- STAMPED DESIGN AND DATA MUST BE ON SITE**

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