|  |  |  |
| --- | --- | --- |
|  |  | **Excavation Inspection Report**  **CSM-002** |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Date & Time: |  | | | | | Location: | | |  | | | | | | | | | | | Depth(1): |  | | | | |  | | | | | | | | | | | List visual test(s) performed(2): | |  | | | | | | | | | | | | | | | | | | List manual tests performed(2): | |  | | | | | | | | | | | | | | | | | | SOIL(1) OR ROCK TYPE | | | | | | | | MAXIMUM ALLOWABLE SLOPE (H:V)(4) FOR  EXCAVATION LESS THAN 20 FEET DEEP(3) | | | | | | | | | | | | Stable Rock – No visible fissures/cracks | | | | | | | | Vertical (90**º** ) | | | | | | | | | | | | Type A Soil - Cohesive soil with clay base | | | | | | | | ¾H:1V (53**º** )(2) (5) (No exposure to vibration) | | | | | | | | | | | | Type B Soil - Cohesive soil with a loam base (i.e., angular gravel, crushed rock, etc.) | | | | | | | | 1H:1V (45**º** ) (2) (5) | | | | | | | | | | | | Type C Soil - Granular soil including gravel and sand | | | | | | | | 1½H:1V (34**º** ) (2) (5) | | | | | | | | | | | | Other – Designed by a Registered Professional Engineer (RPE) (3) | | | | | | | | Note: The RPE’s written design criteria must be maintained locally and available for review | | | | | | | | | | | | Other Protection Systems(3)  Acceptable Shoring:  Timber  Hydraulic  Other  From OSHA’s Charts  Eng’d Data  Acceptable Shielding: Single trench box  Stacked trench boxes (Note: Top edge of shield must extend 18” above grade) | | | | | | | | | | | | | | | | | | | | Is the soil contaminated:  Yes  No | | | | | If yes, with what? | | | | |  | | | | | PPM | |  | | | Excavating in or near roads(6):  Yes  No | | | | | If yes, has the Road Dept been notified:  Yes  No | | | | | | | | | | | | | | | List all traffic control devices: | | |  | | | | | | | | | | | | | | | | | Will water removal be needed:  Yes  No | | | | | How will water be removed? | | | | | | |  | | | | | | | | Atmospheric check if over 4’ deep - Name of Equip? | | | |  | | | | | | | O2 % | |  | LFL / LEL % | | | |  | | Spoil Pile - minimum 2 feet back:  Yes  No | | | | Comments: | | |  | | | | | | | | | | | | | ***Competent person signature:*** | | |  | | | | | | | | | | | | | | | | | |  |  | | --- | --- | | ***Notes:*** | 1. Initiate inspections and take appropriate actions regardless of depth when soils indicate signs of stress or cave-in. 2. Every inspection requires at least 1 visual test and 1 manual test. 3. Sloping or benching excavations greater than 20 feet deep shall be designed & approved by a professional engineer registered within the same state as the excavation. Shoring & shield equipment used in excavations greater than 20 feet shall be designed & approved by a registered professional engineer. 4. H denotes horizontal, V denotes vertical. 5. All spoil piles, material or equipment must be a minimum of 2 feet from the edge of the excavation. 6. A written Temporary Traffic Control Plan shall be developed and on site if any work is within 15 feet of a road. | | | | | | | | | | | | | | | | | | | | | | |