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|  |  | **Excavation Inspection Report****CSM-002** |
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| 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 DataAcceptable 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:*** |       |
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| ***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.

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