**TRENCHING/EXCAVATION**

 **DAILY INSPECTION CHECKLIST**

COMPETENT PERSON:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_

**USE ONE OR MORE OF THE FOLLOWING:** A "CHECK MARK" TO INDICATE YES, COMMENT CODES LISTED BELOW, OR FILL IN BLANK WITH APPLICABLE INFORMATION OR DESCRIPTION.

 **COMMENT CODES**

SOIL TYPE: ROCK, STABLE ROCK, "A","B","C"

HYDROSTATIC (M) MOIST (D) DRY (R) RAINSTORM

 CONDITIONS: (SA) SATURATED (PS) PARTIAL SATURATION

 **JOB SITE DESCRIPTION**

LOCATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AREA CONGESTED:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RIGHT AWAY AND CLEARANCE OK: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TRENCH/EXCAVATION DEPTH: \_\_\_\_\_ LENGTH: \_\_\_\_\_\_

LOCATION OF UNDERGROUND UTILITIES VERIFIED: \_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_

LOCATION OF UNDERGROUND UTILITIES MARKED: \_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_

CROSSING TRENCH/EXCAVATION: LINES: \_\_\_ ROAD/ALLEY: \_\_\_

PARALLEL TO TRENCH/ LINES: \_\_ ROAD/ALLEY: \_\_\_ BUILDING(S): \_\_\_

 EXCAVATION:

POLE BRACING: \_\_\_ OVERHEAD LINES: \_\_\_ STRUCTURAL BRACING: \_\_\_

OPEN DATE/TIME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ JOB #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER: \_\_\_ REASON: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **TRENCH/EXCAVATION INSPECTION COMMENTS**

SOIL TYPE: \_\_\_\_\_\_\_ TIMES INSPECTED: \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

DESCRIBE ANY CHANGING CONDITIONS, PLANS, OR SHORING EQUIPMENT DAMAGE IN SPACE BELOW:

 **EMPLOYEE & PUBLIC SAFETY INSPECTIONS**

LADDERS:\_\_\_ RAMP FOR EMPLOYEES:\_\_\_ RAMP FOR EQUIPMENT:\_\_\_

EMERGENCY EQUIPMENT:\_\_\_ AIR QUALITY TESTING:\_\_\_ WATER REMOVAL:\_\_\_

LIGHTED BARRICADES:\_\_\_ BARRICADE TAPE:\_\_\_ CONES:\_\_\_ FENCING:\_\_\_

FLAGGERS:\_\_\_\_ WEEKEND PROTECTION:\_\_\_ STEEL PLATING:\_\_\_\_

SPOIL PILE/OTHER MATERIAL EFFECTIVELY REMOVED:\_\_\_\_

 **PROTECTION SYSTEM SELECTED**

HYDRAULIC SHORES (SIZE):\_\_\_\_\_ SHEETING THICKNESS:\_\_\_\_ NO.:\_\_\_\_

HORIZONTAL WALERS (SIZE):\_\_\_\_\_ TIMBER SHORES:\_\_\_\_

SLOPE: 1/2:1 \_\_\_ 3/4:1 \_\_\_ 1:1 \_\_\_ 1 1/2:1 \_\_\_

BENCHING: \_\_\_ UNSUPPORTED WALL HEIGHT: \_\_\_\_

 **SOIL CONDITION - SOIL TYPE**

NOTE: IF ONE MANUAL & VISUAL TEST FOR EACH NOT DONE, SOIL MUST BE CLASSIFIED AS TYPE "C".

**MANUAL TESTS:**

 COHESIVE SOILS - RECORD RESULTS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 GRANULAR SOILS - RECORD RESULTS:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VISUAL TESTS:

FISSURES - TRENCH SIDE (CRACKS OR SPALLS): .................. \_\_\_

FISSURES - TOP OF TRENCH (CRACKS OR OPENINGS):............... \_\_\_

SOIL LAYERS SLOPE INTO TRENCH 4:1 OR STEEPER: ............... \_\_\_

ROCK LAYER ABOVE SOIL LAYER ................................. \_\_\_

SEEPAGE INTO TRENCH FROM SIDES \_\_\_, SURFACE \_\_\_, BOTTOM ..... \_\_\_

VIBRATION SOURCES WHICH MAY EFFECT TRENCH STABILITY ......... \_\_\_

PRIOR OF EXISTING EXCAVATION CROSSING TRENCH: \_\_\_ PARALLEL . \_\_\_

ADDITIONAL COMMENTS/NOTES:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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