EXCAVATION CHECKLIST (*To be completed by a Competent Person*)

COMPETENT PERSON (print):		SIGNATURE:				
SITE LOCATION/CROSS STREE	TS:					
DATE:	TIME:	WEATHER:				
EXCAVATION DEPTH:		EXCAVATION WIDT	TH:			
SOIL CLASSIFICATION: B C If no manual/visual test performed, slope/shore for Type "C" Visual Analysis Manual Analysis Estimate Range of Particle Observe Soil as Excavated Thumb Penetration Test Fine grained = Cohesive Clumps=Cohesive Barely able to penetrate w/thumb pressure Coarse grained = Granular Breaks up easily=Granular Penetrate to back of thumb nail Observe Open Excavation Water Condition Easily penetrate and mold w/light pressure Layered soils Is there water in the Easily penetrate and mold w/light pressure Fissures/cracks - excavation sides Yes 1.5 tsf or greater Fissures/cracks - top of excavation No greater than 0.5 but less than 1.5 tsf Previously Disturbed Vibration Present 0.5 tsf or less Existing utilities/underground structures Equipment / vehicles? adjacent to or in excavation? Yes No TYPE OF PROTECTIVE SYSTEM USED: No Shoring Other						
			-	occurren	le.	
The Competent Person has t	he authority to remove worker		-			N/A
The Competent Person has to 1. General Inspection of the	he authority to remove worker	s from an excavatio	n immediately.	YES	No	N/A
The Competent Person has the1. GENERAL INSPECTION OF THEA. Surface encumbrances (t	he authority to remove worker. JOB SITE	s from an excavation cc.) removed or supp	n immediately. orted?			N/A
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3.	MEANS OF ACCESS AND EGRESS	YES	No	N/A
Α.	Lateral travel to means of egress no greater than 25 ft (excavations 4 ft or more in depth)?			
В.	Employees protected from cave-in when entering or exiting the excavation?			
С.	Ladders used in excavations secured and extended 3 feet above the edge of the trench?			
D.	Structural ramps used by employees designed by a Competent Person?			
E.	Ramps constructed of materials of uniform thickness, cleated together on the bottom,			
	equipped with non-slip surface?			
F.	Structural ramps used for equipment designed by a registered professional engineer?			
4.	WET CONDITIONS			
Α.	Precautions taken to protect employees from the accumulation of water?			
В.	Water removal equipment monitored by a Competent Person?			
C.	Surface water or runoff controlled or diverted away from the excavation?			
D.	Inspections made after every rainstorm or other hazard-increasing occurrence?			
5.	HAZARDOUS ATMOSPHERE			
Α.	Atmospheric testing required? If YES, refer to Confined Space Entry policy.			
	(Testing required where there is a reasonable possibility of an oxygen deficiency,			
	combustible or other contaminant exposing employees to a hazard)			
В.	Adequate precautions taken to protect employees from exposures to an atmosphere			
	containing less than 19.5% oxygen and/or to other hazardous atmospheres?			
C.	Ventilation provided to prevent employees' exposure to an atmosphere containing			
	flammable gas in excess of 10% of the lower explosive limit of the gas?			
D.	Testing conducted often to ensure that the atmosphere remains safe?			
Ε.	Emergency equipment, such as breathing apparatus, safety harness and lifeline, readily			
	available where hazardous atmospheres could or do exist?			
F.	Employees trained to use personal protective and other rescue equipment?			
G.	Full body harness and lifeline used and individually attended when entering bell bottom			
	or other deep and confined footing excavations?			
	PROTECTIVE AND SUPPORT SYSTEMS			
Α.	Protective systems installed without exposing employees to the hazard of cave-ins,			
_	collapses, or threats of being struck by materials or equipment?			
в.	Support systems provided to ensure stability of adjacent structures, buildings, roadways, sidewalks, walls, etc.			
	If sloping and/or benching are the <u>only</u> protective systems selected, check here and skip (thru I ha		
C	Materials and/or equipment for selected support systems based on soil analysis, trench			
0.	depth, expected loads, and trench parameters?			
D.	Materials and equipment used for protective systems inspected?			
E.	Materials and equipment not in good condition have been removed from service?			
F.	Damaged materials/equipment inspected by a registered professional engineer after			
	repairs and before being placed back into service?			
G.	Members of support system securely fastened to prevent failure?			
H.	Members of protective systems extend at least 18 inches above the surrounding area?			
1.	Material excavated to a level no greater than 2 feet below the bottom of the protective			
	support system, and only if the system is designed to support the calculated loads?			
J.	Employee(s) prohibited from remaining in a trench box when moved vertically?			
	Exployee (o) promoted and/or banched shall be at an angle not stooper than "maximum allow"			

Excavations that are sloped and/or benched shall be at an angle not steeper than "maximum allowable slope" for the classified soil typ

ssified soil type: Benching cannot be done in Type C soil.	Soil Type	Maximum Allowable Slopes (H:V) For Excavations Less Than 20 Feet Deep
	TYPE B	1:1 (45 degrees)
uone m rype c son.	TYPE C	1 ½ :1 (34 degrees)

Excavations greater than 20 ft deep shall be designed by a Registered Professional Engineer.