

# Brieser Construction

## Soil Classification Form

VISUAL TEST						
Please indicate Excavation Permit date & location that matches this form						
Particle type		Fine Grained (Cohesive)		Granular (sand/silt or gravel)	Other:	
Water Conditions		Wet	Dry	Seeping Water	Surface Water present	Submerged
Notes						
Yes	No	N/A	Description			
			Layered Soils Dipping Into excavation? If yes, describe:			
			Excavation exposed to vibrations? If yes, describe:			
			Previously disturbed soils?			
			Crack like openings or sprawling observed?			
			Underground utilities? If yes, what type:			
			Layered soils? (Note: the least stable layer controls the soil type)			
MANUAL TEST						
Plasticity		Cohesive	Non-cohesive	Dry Strength	Cohesive (broken w/ difficulty)	Granular
Wet Shake		Water comes to surface (granular material)			Surface remains dry (clay material)	
<b>THUMB TEST Note: Used to estimate unconfined compression strength of cohesive soil.</b>						
Test Performed		Yes	No	N/A, Explain:		
Soil indented by thumb with very great effort?				Type A		
Soil indent by thumb with some effort?				Type B		
Soil easily penetrated several inches by thumb with little or no effort. NOTE: If soil is submerged, seeping water, subjected to surface water, runoff, exposed to wetting.				Type C		
<b>PENETROMETER or SHEARVANE TEST Note: Used to estimate unconfined compressive strength of cohesive soils.</b>						
Test Performed		Yes	No	Device Used / Serial Number:		
Soil with unconfined compressive strength of 1.5 tsf of greater				Type A		
Soil with unconfined compressive strength of greater than 0.5 tsf and less than 1.5 tsf.				Type B		
Soil with unconfined compressive strength of 0.5 tsf or less. Note: if the soil is submerged, seeping water, subjected to surface water, runoff, exposed to wetting.				Type C		
SOIL CLASSIFICATION						
Stable Rock		Type A	Type B		Type C	
SELECTION OF PROTECTIVE SYSTEM (Refer to Appendix F of 29CFR1926)						
Sloping (Appendix B)		Timber Shoring	Trench Shield		Hydraulic Shoring	
Specify angle:		(Appendix C)	Max depth in this soil:		(Appendix D)	