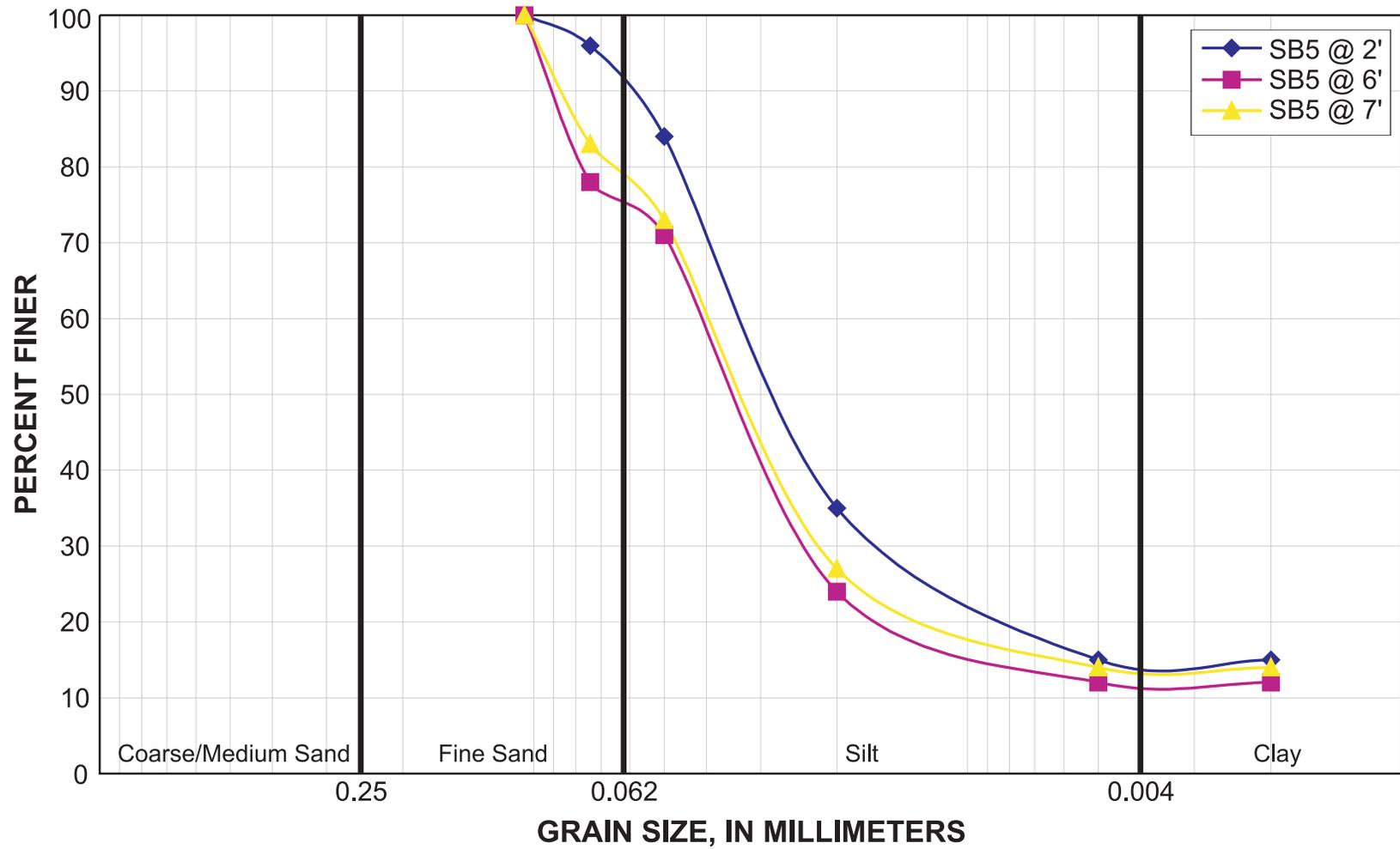
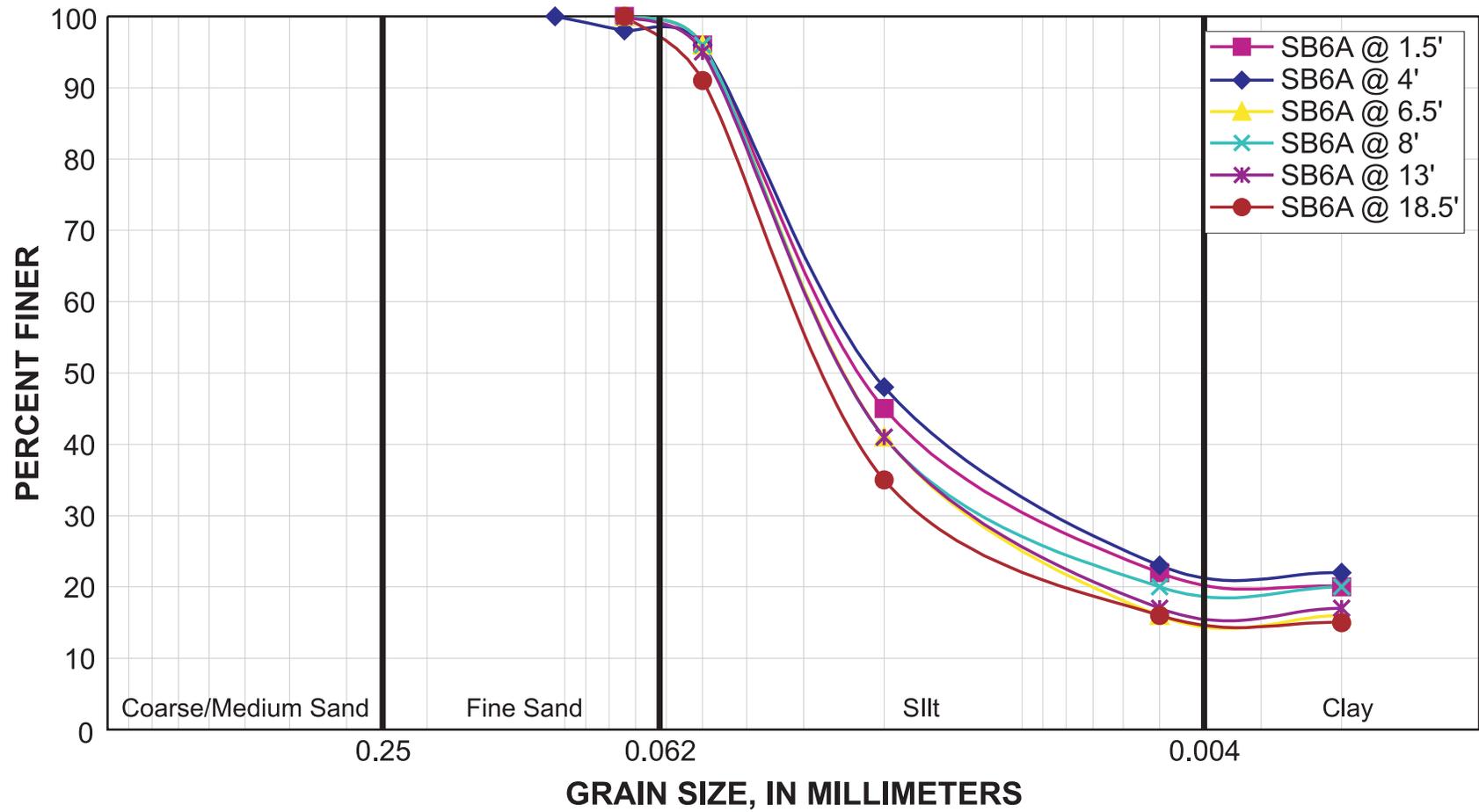




SOIL BORING PROFILE AND LABORATORY TEST RESULTS

Soil Boring: SB5		Tested by: USDA-NRCS, Lincoln, NE								
Boring Date: 9/5/2000, USGS-WRD, Urbana										
Depth	Soil Description	USC	w%	LL	PI	Gs	$\gamma_{d, 100\%}$	test	results	Comments
2	<i>Medium brown fine silt (loess) with fine rootlets</i> <i>Same as above but lighter brown color and some organic matter</i>	ML	21.6	27	3	2.67				
4										
6	<i>Brownish gray silt with orange (oxidized) fine to medium grained sand lenses</i> <i>Gray silty sand</i>	ML	19.8	22	2	2.66		torvane	c=500psf	
8		ML	22.6	24	2	2.65				
		SM	22.5	19	1		103			
10	<i>Silt with thin laminae of fine sandy silt</i>	ML	20.2	21	1	2.66	107	torvane(top/bottom)	625/750	CU test @11' end of core@12'
12								CU (remolded)	c=198psf	
								total strength	$\phi=17.6$	
		effective	$\phi'=37.5$							
		strength	c'=0							





SOIL BORING PROFILE AND LABORATORY TEST RESULTS

Soil Boring: SB8										
Boring Date: 9/5/2000, USGS-WRD, Urbana		Tested by: USDA-NRCS, Lincoln, NE								
Depth	Soil Description	USC	w%	LL	PI	Gs	γ_{sat} lbm ³	test	results	Comments
2 4	<i>Light brown silt with organic rootlets and oxidized orange silts</i>	ML	9.1	26	3	2.63				
6 8	<i>Medium dark gray clayey silt to silty clay</i> <i>Same as above with higher clay content</i>	CL	28	30	8	2.63				
10	<i>Medium gray clayey silt with fine grained thin sand lens</i>	CL-ML	27.4	26	7					
12 14 16	<i>Medium dark gray silty clay with organic material</i>	CL-ML CL CL-ML CL	21.7 31 27.4 25.3	24 37 26 26	6 15 8 8	2.67 2.67	103	Qu torvane torvane	c=936 psf c=1000psf c=750 psf	 river bed level
18 20	<i>Tan brown clayey silty with lenses of silty sand and cobbles</i> <i>(glacial till)</i>	SM	20.9	18	2	2.66				end of core

