U.S. Army Corps of Engineers (USACE)

COMPACTION TEST For use of this form, see EM 1110-2-1906; the Proponent agency is CECW-EC.									
		Purpose	e: This form is used	to document co	ompaction tests	S.			
		•			•		Date:		
Projec	t :								
Boring No.: S.					Sample No.:				
Mold No.			inch diam mold Volume of mold, V, in cc = asd						
Mold constant, C = 62.4/ V=			Initial water content, w ₀ =						
blows per each of			layers, with		lb rammer inch drop				
Specimen No.				-					
	ration of Specimen								
	100 + W ₀								
Weight in Grams	Oven - dry soil	Ws							
	Wet Soil = $W_S(100 + W_0)/100$	W ₀							
	Tare								
	Tare plus wet soil								
Test water content		W	%	%	%	%	%	%	
Wate	radded = $W_S(w-w_0)/1$	100							
			Compacte	ed specimen					
ā	Mold plus wet soil								
	Mold tare								
	Wet soil	W							
	Dry Soil = 100w / 100 + w	Ws							
Water content = (W - W _S) / W _S x 100		W	%	%	%	%	%	%	
lb per cu ft	Wet unit wt = CW	Ϋ́m							
	Dry unit wt = CW _S	Ϋ́d							
Water content determinations									
Specimen No.									
Tare	No.								
Weight in Grams	Tare plus wet soil								
	Tare plus dry soil								
	Water	W _w							
	Tare								
	Dry soil	Ws							
Water content = W _{W /} W _S x 100		W	%	%	%	%	%	%	
Rema	ĸS								
Technician:		Co	mnuted By:		CI	hacked By:			