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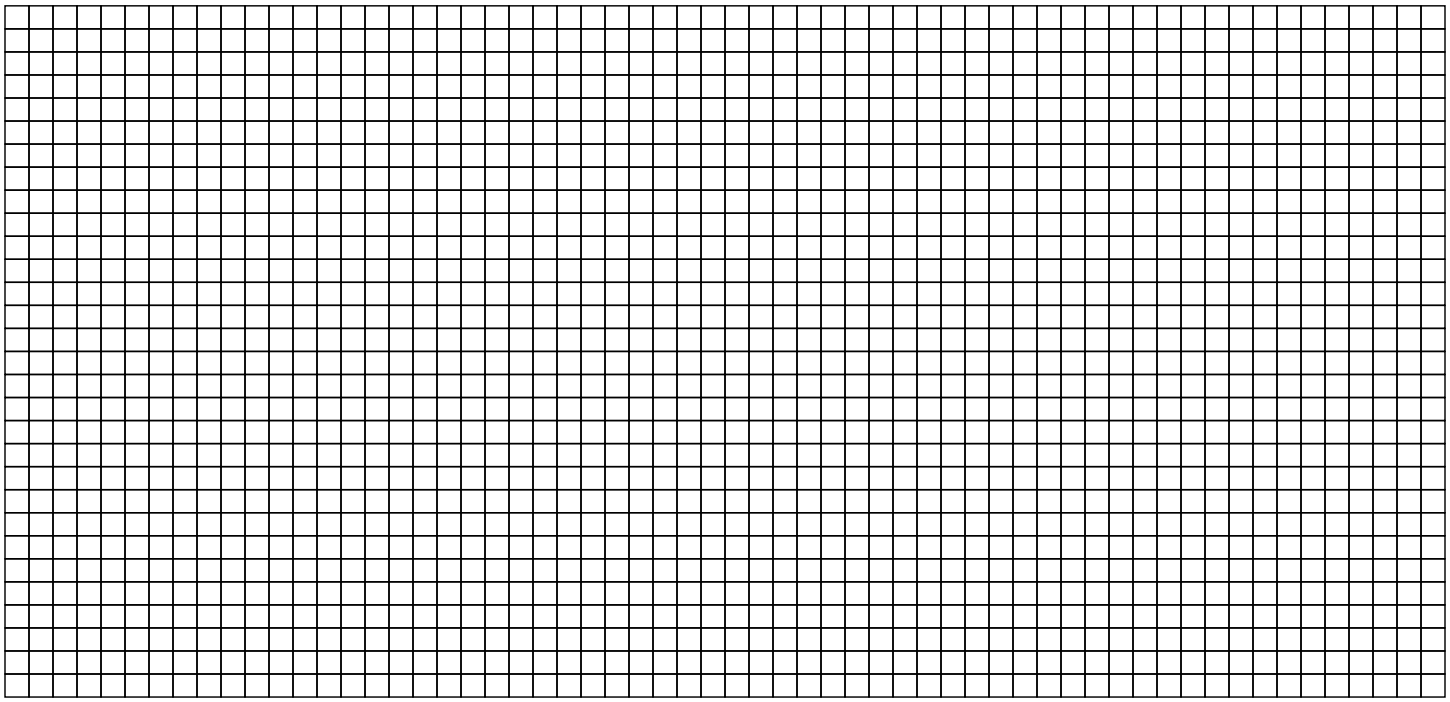
U.S. Army Corps of Engineers (USACE)

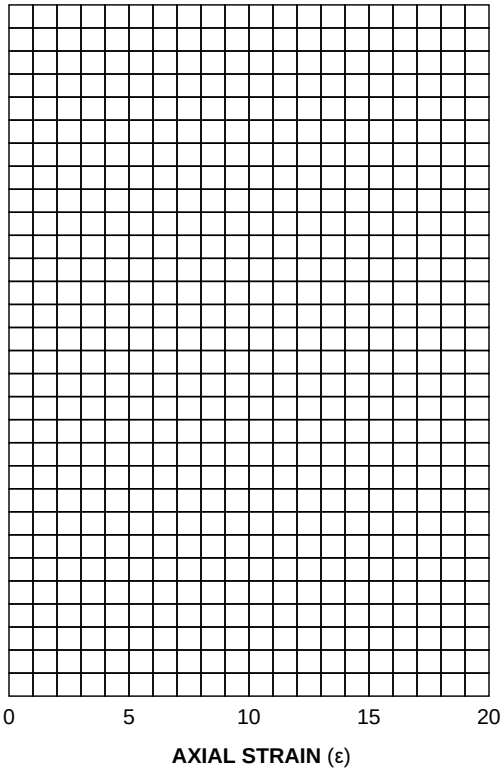
TRIAXIAL COMPRESSION TEST REPORT

For use of this form, see EM 1110-2-1906; the proponent agency is CECW-EC.

Purpose: To measure the shear strength of a soil under controlled drainage conditions.

1. c =	TONS/SF	2. φ	DEGREE	3. TAN φ =





			(1)	(2)	(3)	(4)
4. SPECIMEN NUMBER						
5. INITIAL	a. WATER CONTENT, %	ω_o				
	b. DRY DENSITY LB/CU. FT.	γ_{do}				
	c. SATURATION, %	S_o				
	d. VOID RATIO	e_o				
6. BEFORE SHEAR	a. WATER CONTENT, %	ω_c				
	b. DRY DENSITY LB/CU. FT.	γ_{dc}				
	c. SATURATION, %	S_o				
	d. VOID RATIO	e_c				
	e. FINAL BACK PRESSURE, T/SQ.FT.	U_o				
7. MINOR PRINCIPAL STRESS, T/SQ. FT.		σ_3				
8. MAXIMUM DEVIATOR STRESS, T/SQ. FT.		$(\sigma_1 - \sigma_3)$ MAX.				
9. TIME TO $(\sigma_1 - \sigma_3)$ MAX. MIN.		t_f				
10. ULTIMATE DEVIATOR STRESS, T/SQ. FT.		$(\sigma_1 - \sigma_3)$ ULT.				
11. INITIAL DIAMETER IN.		D_o				
12. CONTROLLED - TEST.	13. INITIAL HEIGHT IN.	H_o				

14. DESCRIPTION OF SPECIMENS

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14. LL	15. PL	16. PI	17. Gs	18. TYPE OF SPECIMEN	19. TYPE OF TEST
20. PROJECT					
21. BORING NUMBER			22. SAMPLE NUMBER		
23. DEPTH ELEVATION	24. LABORATORY			25. DATE	
26. REMARKS					