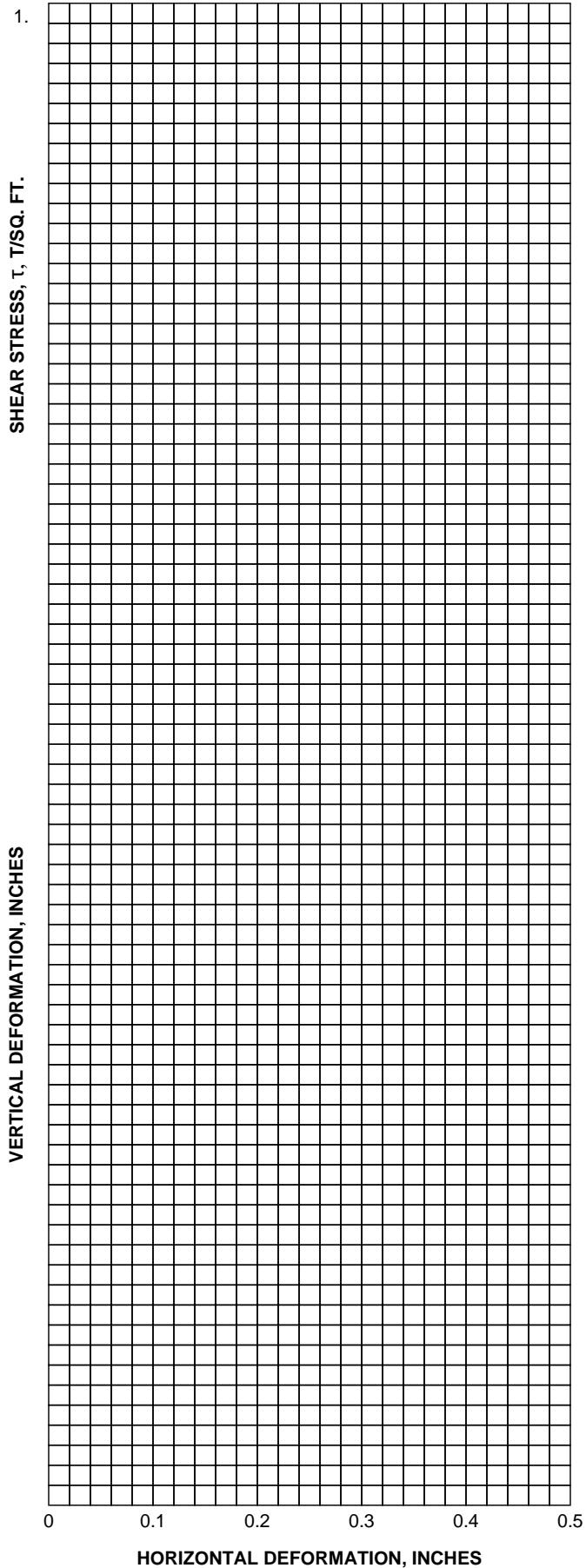


**DIRECT SHEAR TEST REPORT**

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

**Purpose:** To measure the residual shear strength of a soil under drained conditions.

1.



**SHEAR STRENGTH PARAMETERS**

2.  $\phi'$  = \_\_\_\_\_ °

3.  $\tan \phi'$  = \_\_\_\_\_

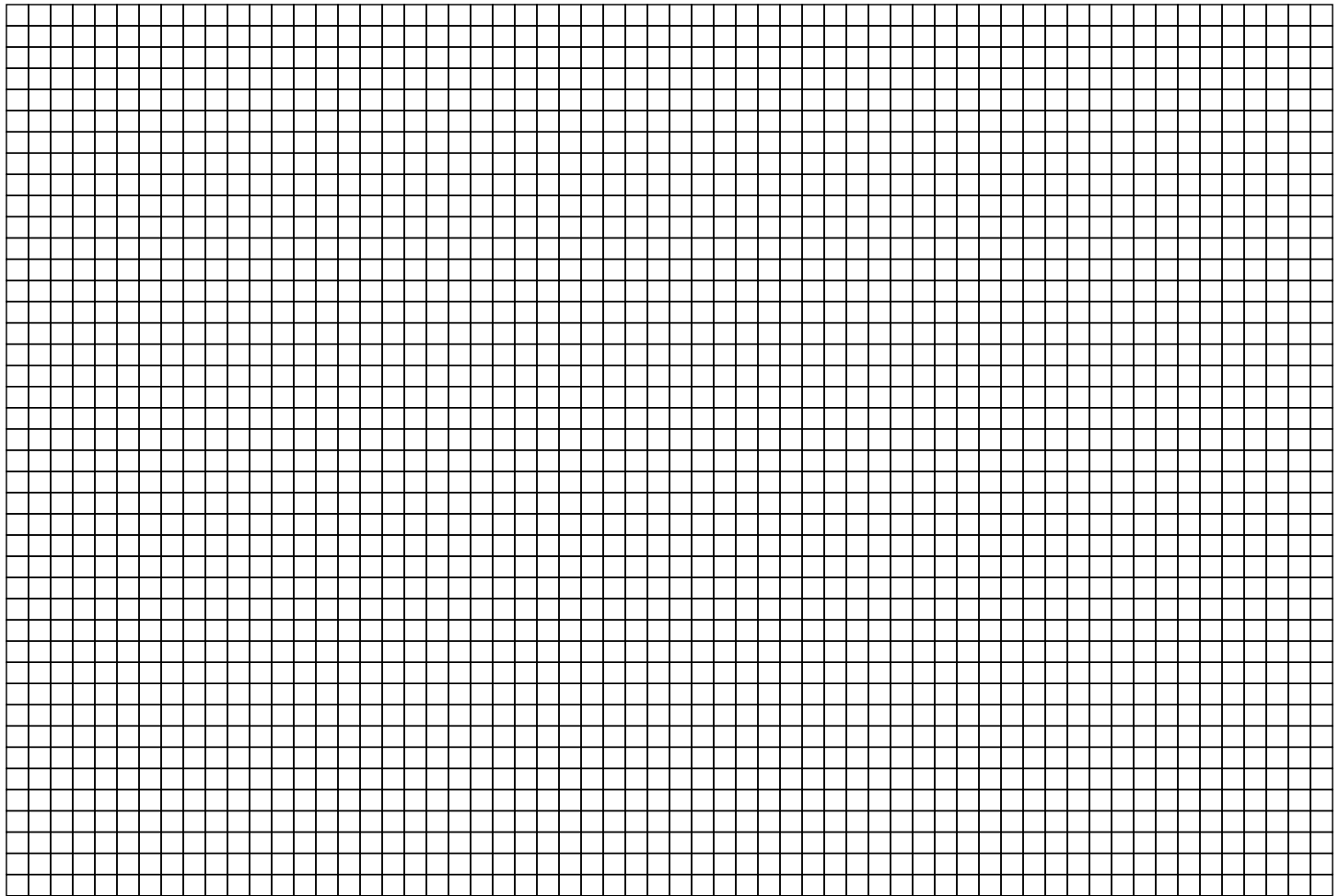
4.  $c$  = \_\_\_\_\_ T/SQ. FT.

5. CONTROLLED STRESS

6. CONTROLLED STRAIN

7. NOTES

1. SHEAR STRESS,  $\tau$ , T/SQ. FT.



NORMAL STRESS,  $\sigma$ , T/SQ. FT.

			(1)	(2)	(3)	(4)
9. TEST NUMBER						
10. INITIAL	a. WATER CONTENT, %	$\omega_o$	%	%	%	%
	b. VOID RATIO	$e_o$				
	c. SATURATION, %	$S_o$	%	%	%	%
	d. DRY DENSITY LB/CU. FT.	$\gamma_d$				
11. VOID RATIO AFTER CONSOLIDATION		$e_c$				
12. TIME FOR 50 PERCENT CONSOLIDATION, MINIMUM		$t_{50}$				
13. FINAL	a. WATER CONTENT, %	$\omega_f$	%	%	%	%
	b. VOID RATIO	$e_f$				
	c. SATURATION, %	$S_f$	%	%	%	%
14. NORMAL STRESS, T/SQ. FT.		$\sigma$				
15. MAXIMUM SHEAR STRESS, T/SQ. FT.		$\tau_{max}$				
16. ACTUAL TIME TO FAILURE, MINIMUM		$t_f$				
17. RATE OF STRAIN, IN./MIN.						
18. ULTIMATE SHEAR STRESS, T/SQ. FT.		$\tau_{ult}$				
19a. TYPE OF SPECIMEN		b.	INCH SQUARE		c.	INCH THICK
20. CLASSIFICATION						

21. LL	22. PL	23. PI	24.	25. G <sub>s</sub>
26. PROJECT				
27. AREA				
28. BORING NUMBER			29. SAMPLE NUMBER	
30. DEPTH ELEVATION			31. DATE	
32. REMARKS				