LABORATORY CALIFORNIA BEARING RATIO (CBR) TEST DATA

1. PROJECT		2. DATE
3. EXCAVATION NUMBER	4. SAMPLE NUMBER	5. CONDITION ☐ DISTURBED ☐ UNDISTURBED

COMPACTION DATA	6. MOLD NUMBER	7. NUMBER OF LAYERS	8. BLOWS PER LAYER
	9. PERCENT OF 3/4 in MATERIAL REPLACED	10. WEIGHT OF HAMMER *(lb)*	11. HEIGHT OF DROP *(in)*

PROVING-RING DATA	12. NUMBER	13. CONSTANT	14. CAPACITY	15. SURCHARGE WEIGHT	16. SOAKING *(lb)*	17. PENETRATING *(lb)*

18. SWELL DATA *(Initial / Final)*	a. DATE	b. TIME	c. ELAPSED TIME	d. DIAL READING	e. INITIAL HEIGHT	f. SWELL PERCENT
			0.00			*(d / e x 100)*

19. PENETRATION DATA

a. PENETRATION *(in)*	b. STANDARD UNIT LOAD *(psi)*	c. PROVING RING DIAL READING *(in)*	d. CORRECTED RING DIAL READING *(in)*	e. TOTAL LOAD *(lb)*	f. UNIT LOAD *(psi)* *(e / 3.00)*	g. CORRECTED UNIT LOAD *(psi)*	h. CBR (%) *(g / b x 100)*
0.025	250						
0.050	500						
0.075	750						
0.100	1000						
0.125	1125						
0.150	1250						
0.175	1375						
0.200	1500						
0.300	1900						
0.400	2300						
0.500	2600						

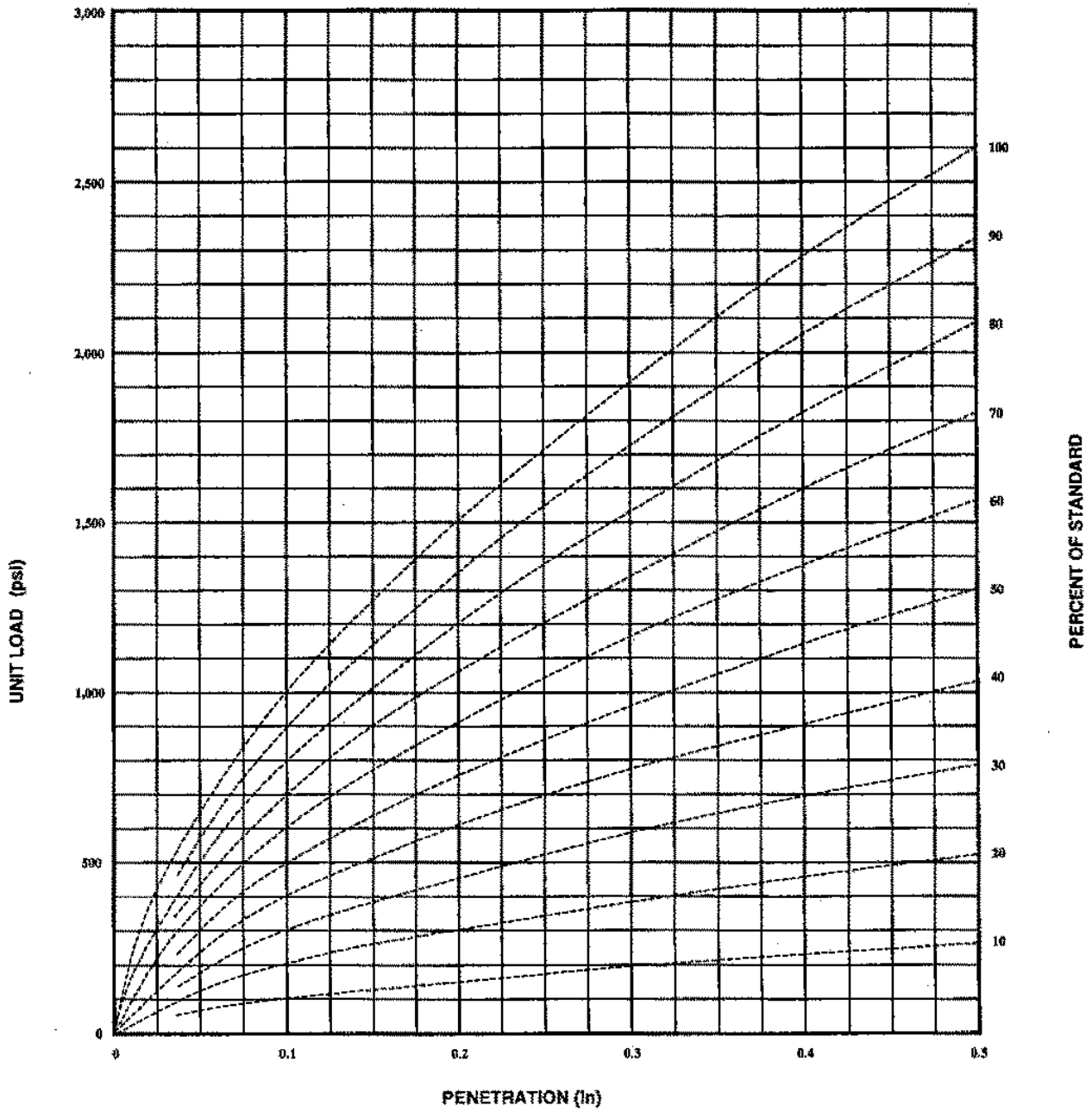
WATER CONTENT AND UNIT WEIGHT DATA

SAMPLES TAKEN		UNIT	BEFORE SOAKING	AFTER SOAKING
20. WEIGHT OF MOLD + WET SOIL		Grams		
21. WEIGHT OF MOLD		Grams		
22. WEIGHT OF WET SOIL	*(20 - 21)*	Grams		
23. WET UNIT WEIGHT, γ wet	*([22 / 453.6] / 0.075)*	Pcf		

24. TARE NUMBER / SAMPLE TAKEN			BEFORE COMPACTION	AFTER COMPACTION	TOP 1 INCH	FROM MOLD
a. WEIGHT OF TARE + WET SOIL		Grams				
b. WEIGHT OF TARE + DRY SOIL		Grams				
c. WEIGHT OF WATER, W_w	*(a - b)*	Grams				
d. WEIGHT OF TARE		Grams				
e. WEIGHT OF DRY SOIL, W_s	*(b - d)*	Grams				
f. WATER CONTENT, $w = \frac{W_w}{W_s} \times 100$	*(c / e x 100)*	Percent				
25. AVERAGE WATER CONTENT		Percent				
26. DRY UNIT WEIGHT, $\gamma d = \frac{\gamma \, wet}{1 + (w / 100)}$		Pcf				

CBR TEST GRAPH

(Plot test curve below to obtain corrected unit load)



27. REMARKS

28. TECHNICIAN *(Signature)*	29. COMPUTED BY *(Signature)*	30. CHECKED BY *(Signature)*

DD Form 1212 (BACK), DEC 1999