

CAN 330

Problem Set No. 1

Note: Write solutions on engineering paper

(5pts) 1. Problem 3-2

Saturated Clay Soil. $W_L = 54\%$, $G_s = 2.7$

Find γ (total Unit Wt.) and γ_d (Dry Unit Wt.)

(5pts) 2. Wt of Water per gallon?

(5pts) 3. Gallons of Water per cubic foot?

(5pts) 4. Cubic centimeters per cubic foot?

(10pts) 5. Problem 3-6

A) Calc gal/cy

B) Calc Total gal for an
embankment $500' \times 60' \times 9''$