



Assignment #9 (last assignment)

Dear CVG 2171 students,

Please solve the problems below and submit them during the DGD on Friday (March 31).

- 1- Draw the cross sections and compute V_e for the data given in problem below:

An irrigation ditch with $b = 15$ ft and side slopes of 2:1. Notes giving distances from centerline and cut ordinates for stations $52 + 00$ and $53 + 00$ are C 2.4/10.8; C 3.0; C 3.7/13.4; and C 3.1/14.2; C 3.8; C 4.1/14.2.

- 2- Calculate $e V$ and $P V$ for the following notes. Base is 30 ft.

12 + 90	<u>C6.4</u>	<u>C3.6</u>	<u>C5.7</u>
	43.6	0	40.8
12 + 30	<u>C3.1</u>	<u>C4.9</u>	<u>C4.3</u>
	30.4	0	35.2

Good luck,