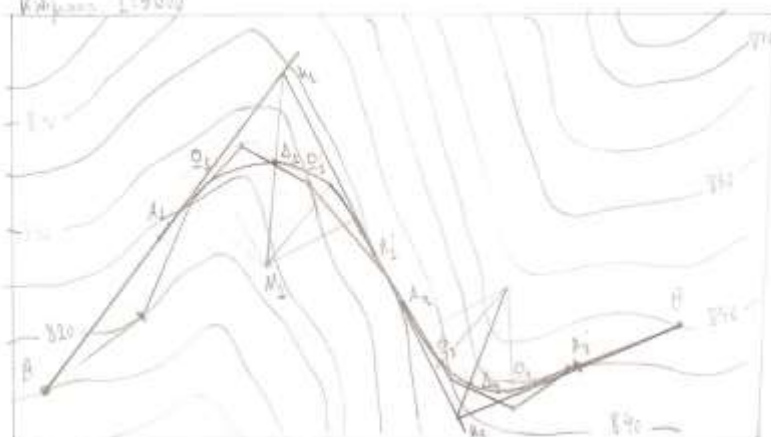


Q6p. 15

Κλίμακας 1:5000



$L_{AB} = 605m$

$V_{(m)} = \frac{5 \cdot 100}{2050 \cdot 5000} : 4.75 \approx 4.8$ (τόπος 3.4 από 15 σημεία με κανονισμό)

Με $A_1 = 605m$ από A_2 και A_3 και A_4 στο A_2 και A_3 και A_4 .

$AA_2 = 3.7 \cdot 50 = 185m$

$L = A_1 A_2 = X_2 = 1.6 \cdot 50 = 80m$

$Q_1 Q_2 = 1.15 \cdot 2.50 = 115m$

$Q_2 Q_3 = 80m$

$A_1 A_3 = 1.1 \cdot 50 = 55m$

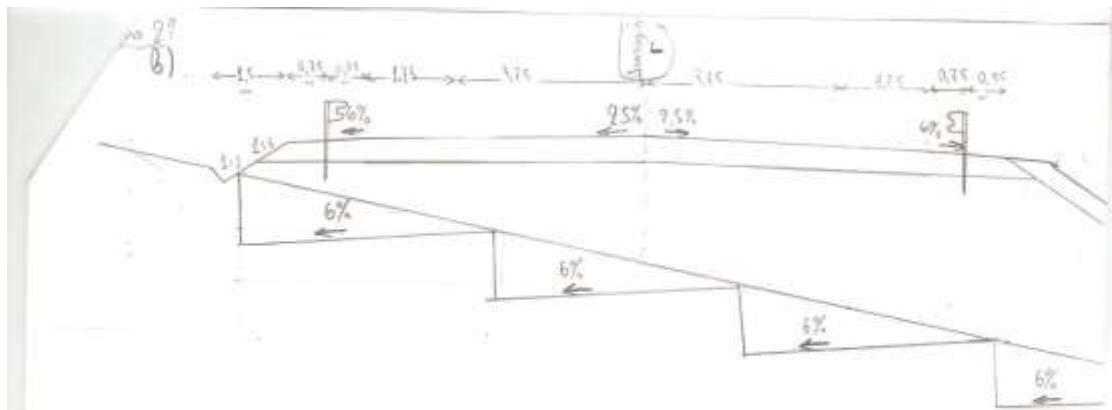
$L = A_2 A_3 = X_3 = 1.4 \cdot 50 = 70m$

$Q_2 Q_4 = 9.0 \cdot 50 = 80m$

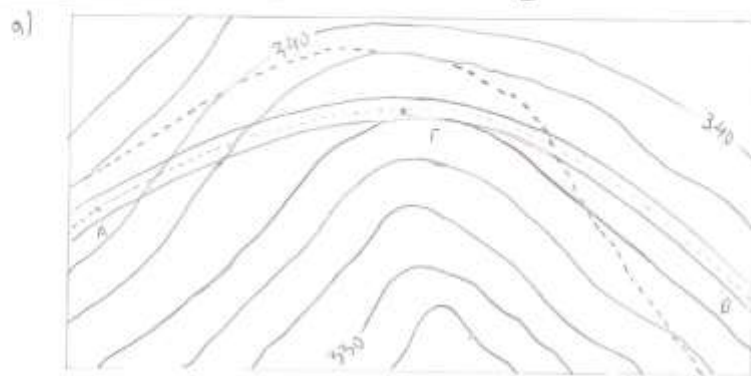
$Q_3 A_4 = 70m$

$A_3 B = 2.15 \cdot 50 = 107.5m$

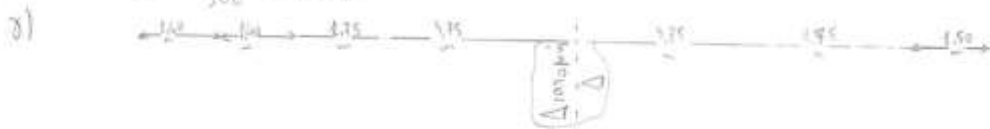
Οπότε το συνολικό μήκος είναι: $842.5m$



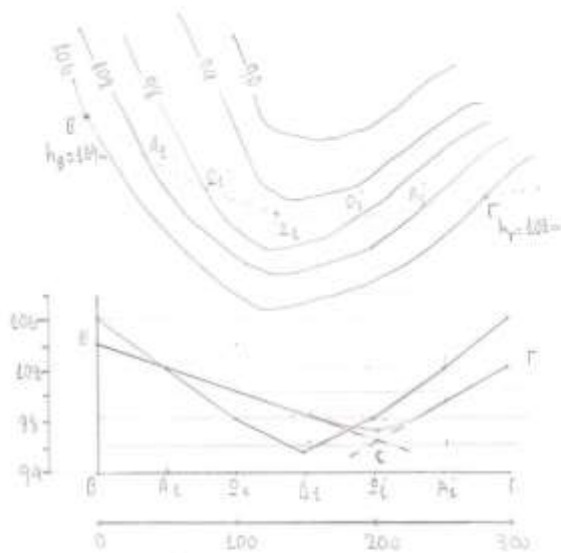
OPİZON 3300
Yükseklik (m)
Asfaltın altı



$$S = \frac{334 - 342}{300} = -0.67\%$$



$\theta_{cr} = 3^\circ$



$$\begin{aligned} h_A &= h_g = 1.0 \text{ m} \\ h_B &= h_r = 1.0 \text{ m} \\ T &= \frac{H}{S} \cdot \Delta x = \frac{1000}{0.04} \cdot 0.04 = 100 \text{ m} \\ \Delta x &= (S_A - S_B) \cdot (100 - 0) = 0.04 \text{ m} \\ F &= \frac{T^3}{2 \cdot H} \cdot \frac{g}{2 \cdot 1000} = 0.1 \\ X_L &= S_L \cdot H = 0.04 \cdot 1000 = 40 \end{aligned}$$

$$\Delta \epsilon_p = 4\%$$

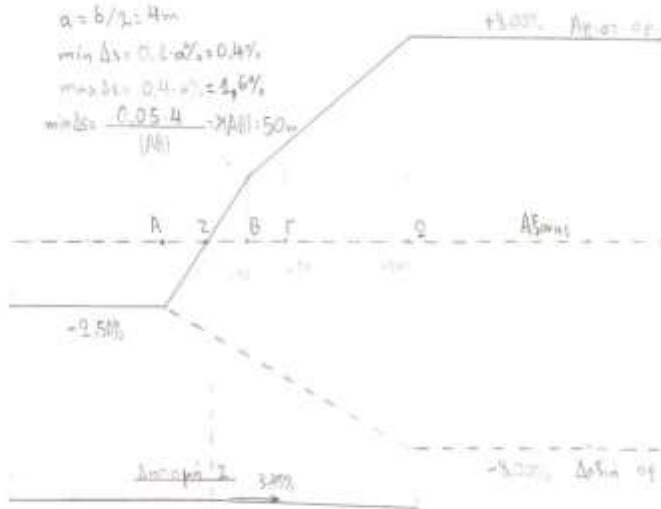
$$L:R = A^2:1 \Rightarrow L = \frac{A^2}{R} = \frac{1.5^2}{2.25} = 1.244m$$

$$a = b/2 = 4m$$

$$\min \Delta s = 0.8 \cdot a^2 = 0.4\%$$

$$\max \Delta s = 0.4 \cdot a^2 = 1.6\%$$

$$\min \Delta s = \frac{0.05 \cdot 4}{(AB)} = 2.5\%$$



$$g_{av} = 0.00\%$$

$$g_{av} = 2.5 + (3 - 2.5) \cdot \frac{25}{50} = 3.15\%$$

$$\Delta s_{av} = 1\%$$



$$g_{av} = 2.5 + (3 - 2.5) \cdot \frac{72.50}{100} = 3.79\%$$

$$g_{av} = 2.5 + (3 - 2.5) \cdot 0.5 = 3.25\%$$