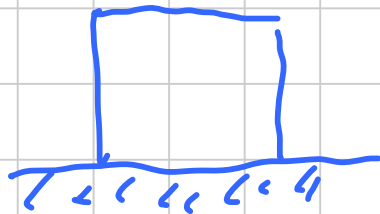
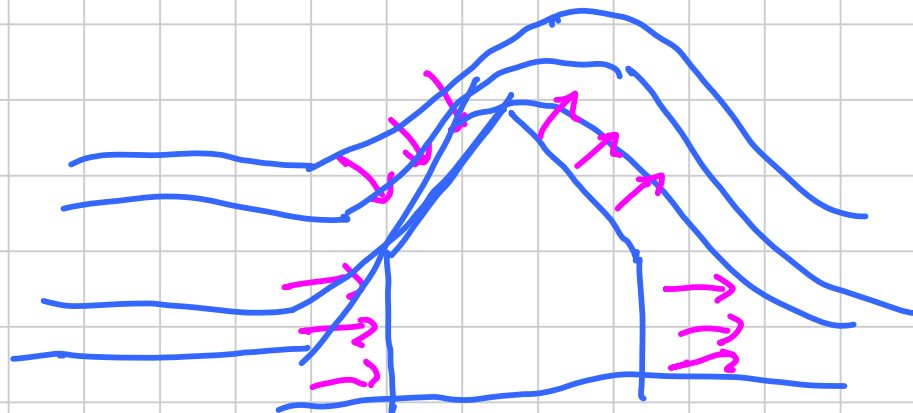
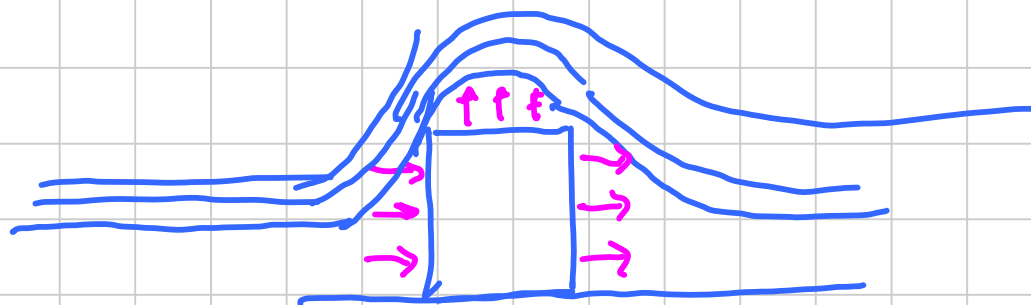


NEVE

Titolo nota

13/11/2014





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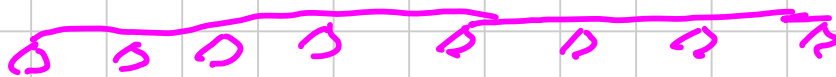
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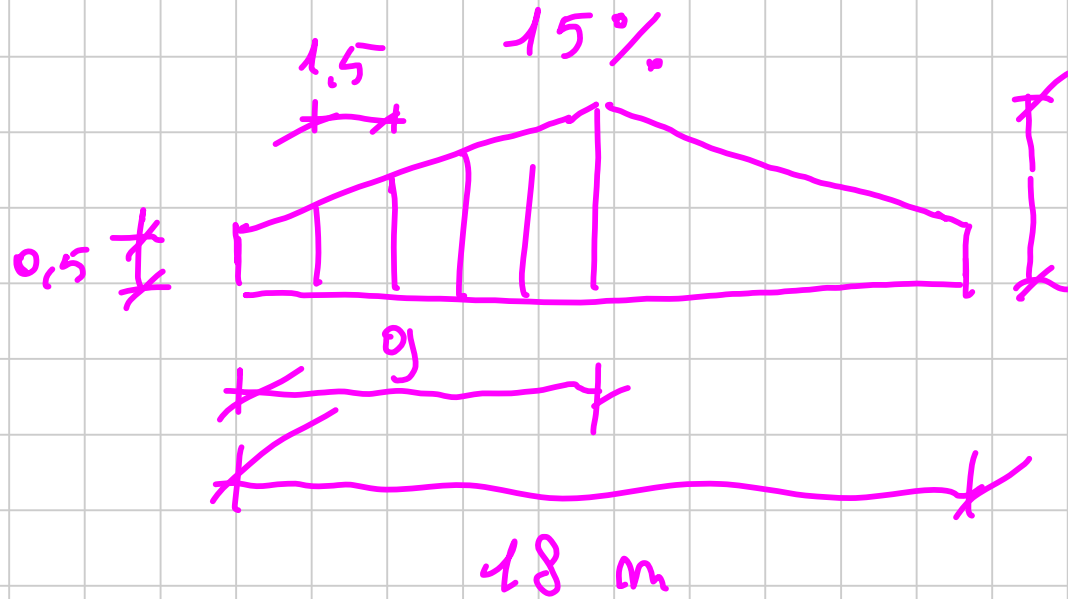
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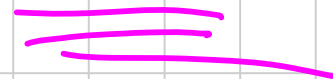
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$$0,5 + 9 \times 0,15 = 1,85 \text{ m}$$



$$\alpha = \arctan\left(\frac{0,15}{1}\right) = 8,53^\circ$$



$$q_{mk} = 0,5 \text{ KN/m}^2$$

$$q_{md} = q_{mk} \gamma_q = 1,5 \times 0,5 = 0,75 \text{ KN/m}^2$$

$$q_{sk}^I = 0,51 \left[1 + \left(\frac{0,5}{4,81} \right)^2 \right] = 0,51 \times \left[1 + \left(\frac{0,5}{4,81} \right)^2 \right] = 1,16 \text{ KN/m}^2$$

$$\mu_1 = 0,8$$

$$q_{sk} = 0,8 \times 1 \times 1,16 = 0,93 \text{ KN/m}^2$$

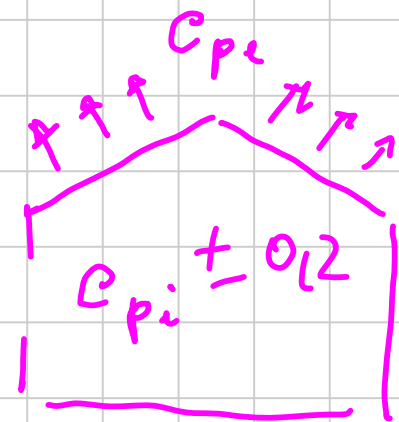
$$q_{sd} = \gamma_q q_{sk} = 1,5 \times 0,93 = 1,4 \text{ KN/m}^2$$

$$V_b = 28 + 0.02 (545 - 500) = 28.9 \text{ m/s}$$

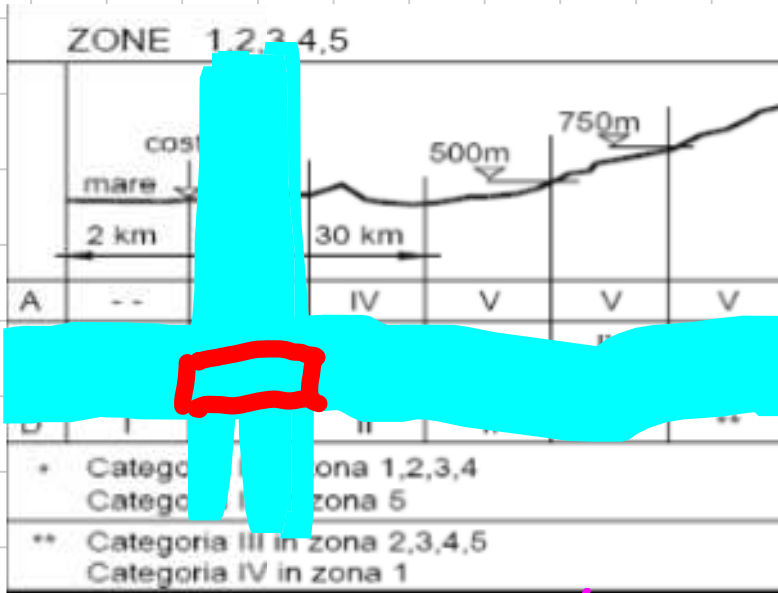
$$q_b = \frac{1}{2} \rho V_b^2 = \frac{1}{2} \times 1.25 \times 28.9^2 = 522 \frac{\text{N}}{\text{m}^2}$$

$= 0.522 \text{ kN/m}^2$

$$C_{pe} + C_{pi} = -0.4 - 0.2 = -0.6$$



$$2 = 5,5 + 1,85 = 7,35$$



$$c_e(z) = k_r^2 c_t \ln\left(\frac{z}{z_0}\right) \cdot \left[7 + c_t \ln\left(\frac{z}{z_0}\right)\right] \quad z \geq z_{\min}$$

$$c_e(z) = c_e(z_{\min}) \quad z < z_{\min}$$

$$C_e = 0,19^2 \times 1 \times \ln\left(\frac{7,35}{0,05}\right) \left[7 + \ln\left(\frac{7,35}{0,05}\right) \right]$$

$$= 2,16$$

$$P_K = 0,522 \times (-0,6) \times 2,16 = -0,68 \text{ kN/m}^2$$

$$P_d = 1,5 \times (-0,68) = -1,02 \text{ kN/m}^2$$

$$q_{mk} = 0,5 \text{ kN/m}^2$$

$$q_{sk} = 0,93 \text{ kN/m}^2$$

$$P_K = -0,68 \text{ kN/m}^2$$

$$P_K + \psi_0 q_{mk} = -0,68 + 0 \times 0,5 = -0,68 \text{ kN/m}^2$$

$$q_{sk} + \psi_0 q_{mk} = 0,93 + 0 \times 0,5 = 0,93 \text{ kN/m}^2$$

$$g_k = 0,1 \text{ kN/m}^2$$

$$g_d = 1,3 \times 0,1 = 0,13 \text{ kN/m}^2$$