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Projet: Site Investigation Report "DL 2026" N° Dossier: 002605

Client: AADL
Lieu:
Date: 2026-10-08

Tassement: Essai pressiométrique

Norme: Eurocode 7 (NF P 94-261)

Formules:

$$S_f = S_c + S_d$$

$$S_c = \frac{\alpha}{9E_c}\left(q' - \sigma'_{v0}\right)\lambda_c B$$

$$S_d = \frac{2}{9E_d}\left(q' - \sigma'_{v0}\right)B_0\left(\lambda_d \frac{B}{B_0}\right)^{\alpha}$$

$$E_c = E_1$$

$$\frac{1}{E_d} = \frac{0.25}{E_1} + \frac{0.3}{E_2} + \frac{0.25}{E_{3;5}} + \frac{0.2}{E_{6;8}}$$

Annexes de calcul:

$E_{3;5} = 6357,42$ kPa
$E_{6;8} = 6851,58$ kPa
$E_c = 11887,52$ kPa
$E_d = 8419,29$ kPa
$q' = 450$ kPa $\sigma'_{v0} = 39$ kPa
$B_0 = 0.6$ m
$\lambda_c = 1,1$ $\lambda_d = 1,12$
$\alpha = 1,000$

Sol hétérogène

B = 1,5 m

0 m	
	$E_1 = 11887,52$ kPa
	$E_2 = 10263,47$ kPa
1,5 m	
	$E_3 = 15472,69$ kPa
	$E_4 = 21582,75$ kPa
3 m	
	$E_5 = 21582,75$ kPa
	$E_6 = 28048,33$ kPa
4,5 m	
	$E_7 = 14394,01$ kPa
	$E_8 = 24494,38$ kPa
6 m	
	$E_9 = 24494,38$ kPa
	$E_{10} = 38656,88$ kPa
7,5 m	
	$E_{11} = 31694,49$ kPa
	$E_{12} = \text{N.D}$
9 m	
	$E_{13} = \text{N.D}$
	$E_{14} = \text{N.D}$
10,5 m	
	$E_{15} = \text{N.D}$
	$E_{16} = \text{N.D}$
12 m	

Résultats:

Tassement final: Sf= 2,46 cm ✅

Tassement sphérique: Sc= 0,63 cm Tassement déviatorique: Sd= 1,82 cm