

**ANNEXE 22**

**RESULTATS DES CALCULS FOXTA**

**PIEUX FORES A LA TARIERE CREUSE**

**SONDAGE SP3**

- Pieux  $\Phi$  620 en compression
- Pieux  $\Phi$  720 en compression
- Pieux  $\Phi$  820 en compression
- Pieux  $\Phi$  920 en compression

# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP3  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,62  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

## Combinaisons

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0.636  | 0.778     | 0.909    | 1.000   |
| Pondérations combinées sur Qp.k | 0.455  | 0.556     | 0.909    | 1.000   |

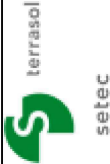
Cote de référence (m) : 6,60

## Définition des couches de sol

| No | Nom                                       | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | γR,d1×γR,d2 |
|----|-------------------------------------------|---------|-----------------------------|--------|---------|--------|-------|-------------|
| 1  | Remblais                                  |         | Argile, limons              | 4,60   | 460,00  | 0,00   | 1,30  | 1,265       |
| 2  | Alluvions                                 |         | Argile, limons              | -1,90  | 290,00  | 0,00   | 1,30  | 1,265       |
| 3  | Lave altérée argilisée raide              |         | Argile, limons              | -7,60  | 890,00  | 61,00  | 1,30  | 1,265       |
| 4  | Lave altérée argilisée raide à très raide |         | Argile, limons              | -10,90 | 1400,00 | 66,00  | 1,30  | 1,265       |
| 5  | Lave altérée argilisée très raide         |         | Roche altérée et fragmentée | -18,40 | 2720,00 | 171,00 | 2,00  | 1,265       |
| 6  | Lave altérée +/- argilisée très raide     |         | Roche altérée et fragmentée | -25,00 | 4330,00 | 197,00 | 2,00  | 1,265       |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

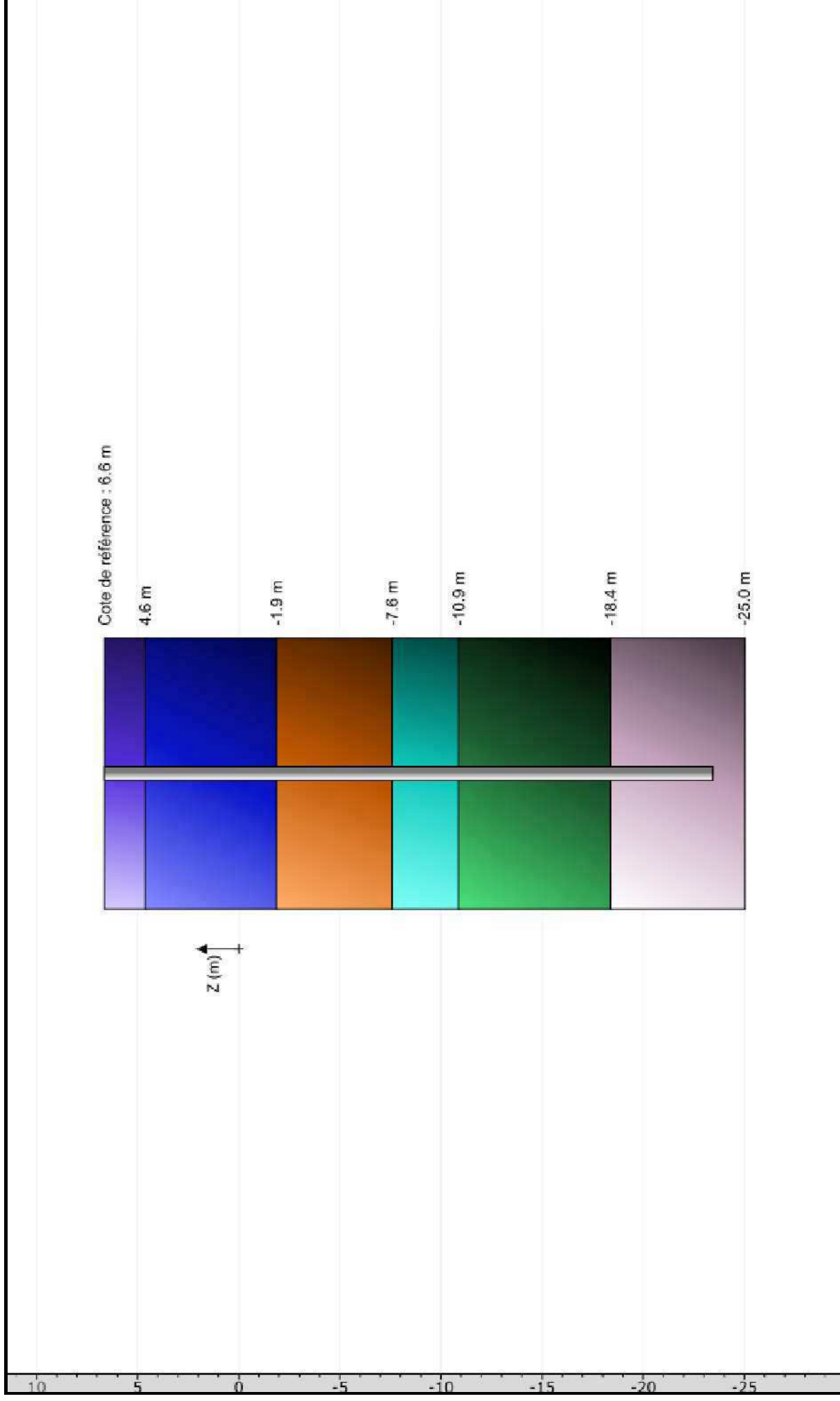


FoXta v3  
v3.3.6

Imprimé le : 06/09/2022 - 12:20:56  
Calcul réalisé par : MAGMA CARAIBES

Projet : SP3\_compression  
Module : Fondprof (Pieu 1/1)

# Onglet "Données des couches"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 12h20  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.600

Section du pieu : 0.302  
Périmètre : 1.948

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.60   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -1.90  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -7.60  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 04     | -10.90 | 1400.0 | 66.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.40 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -25.00 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
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Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.60 | 0.00 | 460.0 | 1.000 | 0.0 | 138.9 | 50.0   | 61.0     | 99.8     | 109.8   |
| 01     | 6.40 | 0.00 | 460.0 | 1.019 | 0.0 | 141.6 | 50.9   | 62.2     | 101.7    | 111.9   |
| 01     | 6.20 | 0.00 | 460.0 | 1.039 | 0.0 | 144.3 | 51.9   | 63.4     | 103.7    | 114.0   |
| 01     | 6.00 | 0.00 | 451.5 | 1.059 | 0.0 | 144.4 | 51.9   | 63.5     | 103.7    | 114.1   |
| 01     | 5.80 | 0.00 | 434.5 | 1.082 | 0.0 | 141.9 | 51.1   | 62.4     | 102.0    | 112.2   |
| 01     | 5.60 | 0.00 | 417.5 | 1.107 | 0.0 | 139.5 | 50.2   | 61.3     | 100.2    | 110.3   |
| 01     | 5.40 | 0.00 | 400.5 | 1.133 | 0.0 | 137.0 | 49.3   | 60.2     | 98.5     | 108.3   |
| 01     | 5.20 | 0.00 | 383.5 | 1.163 | 0.0 | 134.6 | 48.4   | 59.2     | 96.7     | 106.4   |
| 01     | 5.00 | 0.00 | 366.5 | 1.194 | 0.0 | 132.2 | 47.5   | 58.1     | 95.0     | 104.5   |
| 01     | 4.80 | 0.00 | 349.5 | 1.229 | 0.0 | 129.7 | 46.7   | 57.0     | 93.2     | 102.5   |
| 01     | 4.60 | 0.00 | 332.5 | 1.268 | 0.0 | 127.3 | 45.8   | 55.9     | 91.4     | 100.6   |
| 01     | 4.60 | 0.00 | 332.5 | 1.268 | 0.0 | 127.3 | 45.8   | 55.9     | 91.4     | 100.6   |
| 02     | 4.60 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 4.40 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 4.20 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 4.00 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 3.80 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 3.60 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 3.40 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |



**FoXta v3**  
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 Module : Fondprof (Pieu 1/1)



|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.20   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 3.00   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.80   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.60   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.40   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.20   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.00   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.80   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.60   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.40   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.20   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.00   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 0.80   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 0.60   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 0.40   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 0.20   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 0.00   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | -0.20  | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | -0.40  | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | -0.60  | 0.00   | 350.0  | 1.300 | 0.0    | 137.4  | 49.4   | 60.4   | 98.7   | 108.6  |
| 02 | -0.80  | 0.00   | 410.0  | 1.300 | 0.0    | 160.9  | 57.9   | 70.7   | 115.6  | 127.2  |
| 02 | -1.00  | 0.00   | 470.0  | 1.300 | 0.0    | 184.5  | 66.3   | 81.1   | 132.6  | 145.8  |
| 02 | -1.20  | 0.00   | 530.0  | 1.300 | 0.0    | 208.0  | 74.8   | 91.4   | 149.5  | 164.4  |
| 02 | -1.40  | 0.00   | 590.0  | 1.300 | 0.0    | 231.6  | 83.3   | 101.8  | 166.4  | 183.1  |
| 02 | -1.60  | 0.00   | 650.0  | 1.268 | 0.0    | 248.8  | 89.5   | 109.3  | 178.8  | 196.7  |
| 02 | -1.80  | 0.00   | 710.0  | 1.245 | 0.0    | 266.9  | 96.0   | 117.3  | 191.8  | 211.0  |
| 02 | -1.90  | 0.00   | 740.0  | 1.235 | 0.0    | 275.9  | 99.3   | 121.3  | 198.3  | 218.1  |
| 03 | -1.90  | 61.00  | 890.0  | 1.196 | 0.0    | 321.2  | 115.5  | 141.2  | 230.8  | 253.9  |
| 03 | -2.10  | 61.00  | 890.0  | 1.209 | 23.8   | 324.7  | 128.7  | 157.3  | 250.4  | 275.5  |
| 03 | -2.30  | 61.00  | 890.0  | 1.222 | 47.5   | 328.2  | 142.0  | 173.5  | 270.0  | 297.0  |
| 03 | -2.50  | 61.00  | 890.0  | 1.235 | 71.3   | 331.7  | 155.2  | 189.7  | 289.6  | 318.6  |
| 03 | -2.70  | 61.00  | 890.0  | 1.248 | 95.1   | 335.3  | 168.4  | 205.8  | 309.2  | 340.2  |
| 03 | -2.90  | 61.00  | 890.0  | 1.261 | 118.8  | 338.8  | 181.6  | 222.0  | 328.8  | 361.7  |
| 03 | -3.10  | 61.00  | 890.0  | 1.274 | 142.6  | 342.3  | 194.8  | 238.1  | 348.4  | 383.3  |
| 03 | -3.30  | 61.00  | 890.0  | 1.287 | 166.3  | 345.8  | 208.0  | 254.3  | 368.0  | 404.8  |
| 03 | -3.50  | 61.00  | 890.0  | 1.300 | 190.1  | 349.3  | 221.2  | 270.4  | 387.6  | 426.4  |
| 03 | -3.70  | 61.00  | 890.0  | 1.300 | 213.9  | 349.3  | 233.2  | 285.1  | 404.7  | 445.2  |
| 03 | -3.90  | 61.00  | 890.0  | 1.300 | 237.6  | 349.3  | 245.1  | 299.7  | 421.8  | 464.0  |
| 03 | -4.10  | 61.00  | 890.0  | 1.300 | 261.4  | 349.3  | 257.1  | 314.3  | 438.8  | 482.8  |
| 03 | -4.30  | 61.00  | 890.0  | 1.300 | 285.2  | 349.3  | 269.0  | 328.9  | 455.9  | 501.6  |
| 03 | -4.50  | 61.00  | 890.0  | 1.300 | 308.9  | 349.3  | 281.0  | 343.5  | 473.0  | 520.3  |
| 03 | -4.70  | 61.00  | 890.0  | 1.300 | 332.7  | 349.3  | 292.9  | 358.1  | 490.1  | 539.1  |
| 03 | -4.90  | 61.00  | 890.0  | 1.300 | 356.4  | 349.3  | 304.8  | 372.8  | 507.1  | 557.9  |
| 03 | -5.10  | 61.00  | 890.0  | 1.300 | 380.2  | 349.3  | 316.8  | 387.4  | 524.2  | 576.7  |
| 03 | -5.30  | 61.00  | 890.0  | 1.300 | 404.0  | 349.3  | 328.7  | 402.0  | 541.3  | 595.5  |
| 03 | -5.50  | 61.00  | 890.0  | 1.300 | 427.7  | 349.3  | 340.7  | 416.6  | 558.4  | 614.3  |
| 03 | -5.70  | 61.00  | 890.0  | 1.300 | 451.5  | 349.3  | 352.6  | 431.2  | 575.4  | 633.0  |
| 03 | -5.90  | 61.00  | 890.0  | 1.300 | 475.3  | 349.3  | 364.6  | 445.8  | 592.5  | 651.8  |
| 03 | -6.10  | 61.00  | 890.0  | 1.300 | 499.0  | 349.3  | 376.5  | 460.4  | 609.6  | 670.6  |
| 03 | -6.30  | 61.00  | 941.0  | 1.300 | 522.8  | 369.3  | 395.7  | 483.9  | 641.0  | 705.2  |
| 03 | -6.50  | 61.00  | 992.0  | 1.300 | 546.5  | 389.3  | 414.8  | 507.3  | 672.5  | 739.8  |
| 03 | -6.70  | 61.00  | 1043.0 | 1.300 | 570.3  | 409.4  | 434.0  | 530.7  | 704.0  | 774.4  |
| 03 | -6.90  | 61.00  | 1094.0 | 1.300 | 594.1  | 429.4  | 453.1  | 554.1  | 735.4  | 809.0  |
| 03 | -7.10  | 61.00  | 1145.0 | 1.300 | 617.8  | 449.4  | 472.3  | 577.5  | 766.9  | 843.7  |
| 03 | -7.30  | 61.00  | 1196.0 | 1.300 | 641.6  | 469.4  | 491.4  | 600.9  | 798.3  | 878.3  |
| 03 | -7.50  | 61.00  | 1247.0 | 1.300 | 665.4  | 489.4  | 510.6  | 624.3  | 829.8  | 912.9  |
| 03 | -7.60  | 61.00  | 1272.5 | 1.300 | 677.2  | 499.4  | 520.1  | 636.0  | 845.5  | 930.2  |
| 04 | -7.60  | 66.00  | 1400.0 | 1.300 | 677.2  | 549.5  | 538.1  | 658.0  | 881.5  | 969.7  |
| 04 | -7.80  | 66.00  | 1400.0 | 1.300 | 703.0  | 549.5  | 551.1  | 673.8  | 900.0  | 990.1  |
| 04 | -8.00  | 66.00  | 1400.0 | 1.300 | 728.7  | 549.5  | 564.0  | 689.7  | 918.4  | 1010.4 |
| 04 | -8.20  | 66.00  | 1400.0 | 1.300 | 754.4  | 549.5  | 576.9  | 705.5  | 936.9  | 1030.7 |
| 04 | -8.40  | 66.00  | 1400.0 | 1.300 | 780.1  | 549.5  | 589.8  | 721.3  | 955.4  | 1051.0 |
| 04 | -8.60  | 66.00  | 1400.0 | 1.300 | 805.8  | 549.5  | 602.8  | 737.1  | 973.9  | 1071.4 |
| 04 | -8.80  | 66.00  | 1400.0 | 1.300 | 831.5  | 549.5  | 615.7  | 752.9  | 992.3  | 1091.7 |
| 04 | -9.00  | 66.00  | 1400.0 | 1.300 | 857.2  | 549.5  | 628.6  | 768.7  | 1010.8 | 1112.0 |
| 04 | -9.20  | 66.00  | 1400.0 | 1.300 | 882.9  | 549.5  | 641.5  | 784.5  | 1029.3 | 1132.3 |
| 04 | -9.40  | 66.00  | 1400.0 | 1.300 | 908.6  | 549.5  | 654.5  | 800.3  | 1047.8 | 1152.7 |
| 04 | -9.60  | 66.00  | 1532.0 | 1.300 | 934.4  | 601.3  | 686.0  | 838.9  | 1103.5 | 1213.9 |
| 04 | -9.80  | 66.00  | 1664.0 | 1.300 | 960.1  | 653.1  | 717.6  | 877.5  | 1159.2 | 1275.2 |
| 04 | -10.00 | 66.00  | 1796.0 | 1.300 | 985.8  | 704.9  | 749.2  | 916.1  | 1214.9 | 1336.5 |
| 04 | -10.20 | 66.00  | 1928.0 | 1.300 | 1011.5 | 756.7  | 780.7  | 954.7  | 1270.6 | 1397.8 |
| 04 | -10.40 | 66.00  | 2060.0 | 1.300 | 1037.2 | 808.5  | 812.3  | 993.3  | 1326.3 | 1459.1 |
| 04 | -10.60 | 66.00  | 2192.0 | 1.300 | 1062.9 | 860.3  | 843.8  | 1031.8 | 1382.0 | 1520.3 |
| 04 | -10.80 | 66.00  | 2324.0 | 1.298 | 1088.6 | 910.5  | 874.8  | 1069.7 | 1436.5 | 1580.4 |
| 04 | -10.90 | 66.00  | 2390.0 | 1.292 | 1101.5 | 931.9  | 889.0  | 1087.0 | 1461.2 | 1607.4 |
| 05 | -10.90 | 171.00 | 2720.0 | 1.854 | 1101.5 | 1522.5 | 1101.4 | 1346.6 | 1885.5 | 2074.3 |
| 05 | -11.10 | 171.00 | 2720.0 | 1.897 | 1168.1 | 1558.1 | 1147.7 | 1403.2 | 1959.0 | 2155.1 |
| 05 | -11.30 | 171.00 | 2720.0 | 1.941 | 1234.7 | 1593.8 | 1194.0 | 1459.9 | 2032.5 | 2236.0 |
| 05 | -11.50 | 171.00 | 2720.0 | 1.984 | 1301.3 | 1629.4 | 1240.3 | 1516.5 | 2106.0 | 2316.8 |
| 05 | -11.70 | 171.00 | 2720.0 | 2.000 | 1367.9 | 1642.4 | 1278.5 | 1563.2 | 2163.1 | 2379.7 |
| 05 | -11.90 | 171.00 | 2720.0 | 2.000 | 1434.5 | 1642.4 | 1312.0 | 1604.1 | 2211.0 | 2432.3 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 1501.2 | 1642.4 | 1345.5 | 1645.1 | 2258.9 | 2485.0 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 1567.8 | 1642.4 | 1379.0 | 1686.1 | 2306.7 | 2537.7 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 1634.4 | 1642.4 | 1412.5 | 1727.0 | 2354.6 | 2590.3 |
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 1701.0 | 1642.4 | 1445.9 | 1768.0 | 2402.5 | 2643.0 |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 1767.6 | 1642.4 | 1479.4 | 1809.0 | 2450.3 | 2695.6 |

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 1834.2 | 1642.4 | 1512.9 | 1850.0 | 2498.2 | 2748.3 |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 1900.8 | 1642.4 | 1546.4 | 1890.9 | 2546.1 | 2801.0 |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 1967.5 | 1642.4 | 1579.9 | 1931.9 | 2593.9 | 2853.6 |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 2034.1 | 1642.4 | 1613.4 | 1972.9 | 2641.8 | 2906.3 |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 2100.7 | 1642.4 | 1646.9 | 2013.8 | 2689.7 | 2958.9 |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 2167.3 | 1642.4 | 1680.4 | 2054.8 | 2737.5 | 3011.6 |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 2233.9 | 1642.4 | 1713.9 | 2095.8 | 2785.4 | 3064.3 |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 2300.5 | 1642.4 | 1747.4 | 2136.7 | 2833.3 | 3116.9 |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 2367.1 | 1642.4 | 1780.9 | 2177.7 | 2881.1 | 3169.6 |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 2433.8 | 1642.4 | 1814.3 | 2218.7 | 2929.0 | 3222.2 |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 2500.4 | 1642.4 | 1847.8 | 2259.6 | 2976.9 | 3274.9 |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 2567.0 | 1642.4 | 1881.3 | 2300.6 | 3024.8 | 3327.6 |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 2633.6 | 1642.4 | 1914.8 | 2341.6 | 3072.6 | 3380.2 |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 2700.2 | 1642.4 | 1948.3 | 2382.6 | 3120.5 | 3432.9 |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 2766.8 | 1642.4 | 1981.8 | 2423.5 | 3168.4 | 3485.5 |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 2833.4 | 1642.4 | 2015.3 | 2464.5 | 3216.2 | 3538.2 |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 2900.1 | 1642.4 | 2048.8 | 2505.5 | 3264.1 | 3590.9 |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 2966.7 | 1642.4 | 2082.3 | 2546.4 | 3312.0 | 3643.5 |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 3033.3 | 1642.4 | 2115.8 | 2587.4 | 3359.8 | 3696.2 |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 3099.9 | 1642.4 | 2149.3 | 2628.4 | 3407.7 | 3748.8 |
| 05 | -17.10 | 171.00 | 2881.0 | 2.000 | 3166.5 | 1739.6 | 2217.7 | 2712.1 | 3525.4 | 3878.3 |
| 05 | -17.30 | 171.00 | 3042.0 | 2.000 | 3233.1 | 1836.8 | 2286.2 | 2795.8 | 3643.1 | 4007.9 |
| 05 | -17.50 | 171.00 | 3203.0 | 2.000 | 3299.7 | 1934.0 | 2354.6 | 2879.5 | 3760.9 | 4137.4 |
| 05 | -17.70 | 171.00 | 3364.0 | 2.000 | 3366.4 | 2031.2 | 2423.1 | 2963.2 | 3878.6 | 4266.9 |
| 05 | -17.90 | 171.00 | 3525.0 | 2.000 | 3433.0 | 2128.4 | 2491.6 | 3046.9 | 3996.3 | 4396.4 |
| 05 | -18.10 | 171.00 | 3686.0 | 2.000 | 3499.6 | 2225.7 | 2560.0 | 3130.6 | 4114.0 | 4525.9 |
| 05 | -18.30 | 171.00 | 3847.0 | 2.000 | 3566.2 | 2322.9 | 2628.5 | 3214.2 | 4231.8 | 4655.4 |
| 05 | -18.40 | 171.00 | 3927.5 | 2.000 | 3599.5 | 2371.5 | 2662.7 | 3256.1 | 4290.6 | 4720.2 |
| 06 | -18.40 | 197.00 | 4330.0 | 2.000 | 3599.5 | 2614.5 | 2750.1 | 3362.9 | 4465.3 | 4912.3 |
| 06 | -18.60 | 197.00 | 4330.0 | 2.000 | 3676.3 | 2614.5 | 2788.7 | 3410.1 | 4520.4 | 4972.9 |
| 06 | -18.80 | 197.00 | 4330.0 | 2.000 | 3753.0 | 2614.5 | 2827.3 | 3457.3 | 4575.5 | 5033.6 |
| 06 | -19.00 | 197.00 | 4330.0 | 2.000 | 3829.7 | 2614.5 | 2865.9 | 3504.5 | 4630.7 | 5094.3 |
| 06 | -19.20 | 197.00 | 4330.0 | 2.000 | 3906.5 | 2614.5 | 2904.4 | 3551.7 | 4685.8 | 5154.9 |
| 06 | -19.40 | 197.00 | 4330.0 | 2.000 | 3983.2 | 2614.5 | 2943.0 | 3598.9 | 4741.0 | 5215.6 |
| 06 | -19.60 | 197.00 | 4330.0 | 2.000 | 4060.0 | 2614.5 | 2981.6 | 3646.1 | 4796.1 | 5276.3 |
| 06 | -19.80 | 197.00 | 4330.0 | 2.000 | 4136.7 | 2614.5 | 3020.2 | 3693.3 | 4851.3 | 5336.9 |
| 06 | -20.00 | 197.00 | 4330.0 | 2.000 | 4213.5 | 2614.5 | 3058.8 | 3740.5 | 4906.4 | 5397.6 |
| 06 | -20.20 | 197.00 | 4330.0 | 2.000 | 4290.2 | 2614.5 | 3097.4 | 3787.7 | 4961.6 | 5458.3 |
| 06 | -20.40 | 197.00 | 4330.0 | 2.000 | 4366.9 | 2614.5 | 3136.0 | 3834.9 | 5016.7 | 5518.9 |
| 06 | -20.60 | 197.00 | 4330.0 | 2.000 | 4443.7 | 2614.5 | 3174.5 | 3882.1 | 5071.9 | 5579.6 |
| 06 | -20.80 | 197.00 | 4330.0 | 2.000 | 4520.4 | 2614.5 | 3213.1 | 3929.3 | 5127.0 | 5640.3 |
| 06 | -21.00 | 197.00 | 4330.0 | 2.000 | 4597.2 | 2614.5 | 3251.7 | 3976.5 | 5182.2 | 5700.9 |
| 06 | -21.20 | 197.00 | 4330.0 | 2.000 | 4673.9 | 2614.5 | 3290.3 | 4023.7 | 5237.3 | 5761.6 |
| 06 | -21.40 | 197.00 | 4330.0 | 2.000 | 4750.7 | 2614.5 | 3328.9 | 4070.9 | 5292.4 | 5822.3 |
| 06 | -21.60 | 197.00 | 4330.0 | 2.000 | 4827.4 | 2614.5 | 3367.5 | 4118.1 | 5347.6 | 5882.9 |
| 06 | -21.80 | 197.00 | 4330.0 | 2.000 | 4904.1 | 2614.5 | 3406.0 | 4165.3 | 5402.7 | 5943.6 |
| 06 | -22.00 | 197.00 | 4330.0 | 2.000 | 4980.9 | 2614.5 | 3444.6 | 4212.5 | 5457.9 | 6004.3 |
| 06 | -22.20 | 197.00 | 4330.0 | 2.000 | 5057.6 | 2614.5 | 3483.2 | 4259.7 | 5513.0 | 6064.9 |
| 06 | -22.40 | 197.00 | 4330.0 | 2.000 | 5134.4 | 2614.5 | 3521.8 | 4306.9 | 5568.2 | 6125.6 |
| 06 | -22.60 | 197.00 | 4330.0 | 2.000 | 5211.1 | 2614.5 | 3560.4 | 4354.1 | 5623.3 | 6186.3 |
| 06 | -22.80 | 197.00 | 4330.0 | 2.000 | 5287.9 | 2614.5 | 3599.0 | 4401.3 | 5678.5 | 6246.9 |
| 06 | -23.00 | 197.00 | 4330.0 | 2.000 | 5364.6 | 2614.5 | 3637.5 | 4448.5 | 5733.6 | 6307.6 |
| 06 | -23.20 | 197.00 | 4330.0 | 2.000 | 5441.3 | 2614.5 | 3676.1 | 4495.7 | 5788.8 | 6368.3 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 5518.1 | 2614.5 | 3714.7 | 4542.9 | 5843.9 | 6428.9 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 5518.1 | 2614.5 | 3714.7 | 4542.9 | 5843.9 | 6428.9 |

# Capacité du pieu pour chaque combinaison en fonction de la profondeur



# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP3  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,72  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

## Combinaisons

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0.636  | 0.778     | 0.909    | 1.000   |
| Pondérations combinées sur Qp.k | 0.455  | 0.556     | 0.909    | 1.000   |

Cote de référence (m) : 6,60

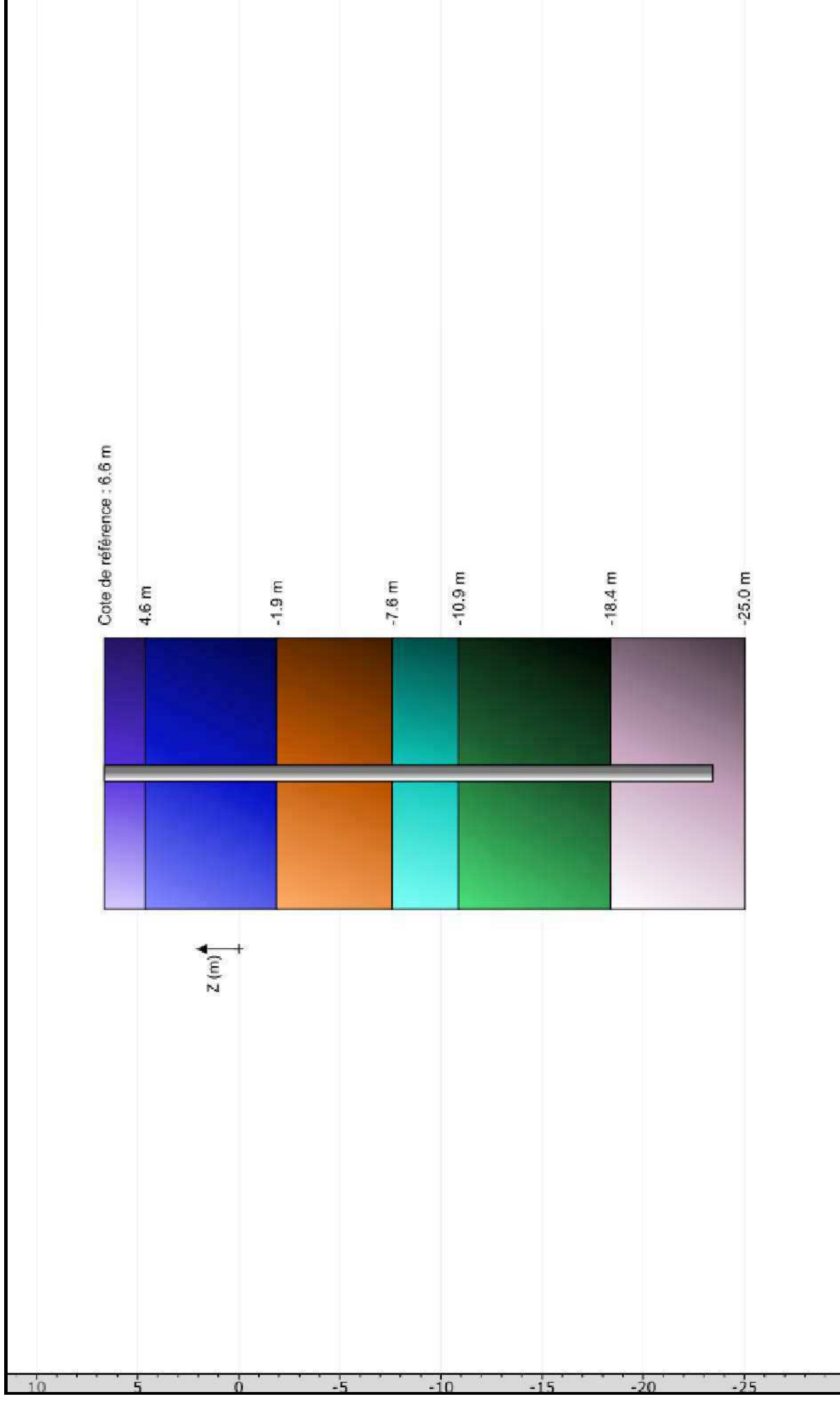
## Définition des couches de sol

| No | Nom                                       | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | $\sqrt{R_s.d1 \times \gamma R_s.d2}$ |
|----|-------------------------------------------|---------|-----------------------------|--------|---------|--------|-------|--------------------------------------|
| 1  | Remblais                                  |         | Argile, limons              | 4,60   | 460,00  | 0,00   | 1,30  | 1,265                                |
| 2  | Alluvions                                 |         | Argile, limons              | -1,90  | 290,00  | 0,00   | 1,30  | 1,265                                |
| 3  | Lave altérée argilisée raide              |         | Argile, limons              | -7,60  | 890,00  | 61,00  | 1,30  | 1,265                                |
| 4  | Lave altérée argilisée raide à très raide |         | Argile, limons              | -10,90 | 1400,00 | 66,00  | 1,30  | 1,265                                |
| 5  | Lave altérée argilisée très raide         |         | Roche altérée et fragmentée | -18,40 | 2720,00 | 171,00 | 2,00  | 1,265                                |
| 6  | Lave altérée +/- argilisée très raide     |         | Roche altérée et fragmentée | -25,00 | 4330,00 | 197,00 | 2,00  | 1,265                                |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 12h21  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.600

Section du pieu : 0.407  
Périmètre : 2.262

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.60   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -1.90  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -7.60  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 04     | -10.90 | 1400.0 | 66.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.40 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -25.00 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.60 | 0.00 | 460.0 | 1.000 | 0.0 | 187.3 | 67.4   | 82.3     | 134.6    | 148.1   |
| 01     | 6.40 | 0.00 | 460.0 | 1.017 | 0.0 | 190.4 | 68.5   | 83.7     | 136.8    | 150.5   |
| 01     | 6.20 | 0.00 | 460.0 | 1.033 | 0.0 | 193.5 | 69.6   | 85.1     | 139.1    | 153.0   |
| 01     | 6.00 | 0.00 | 451.5 | 1.051 | 0.0 | 193.2 | 69.5   | 84.9     | 138.8    | 152.7   |
| 01     | 5.80 | 0.00 | 434.5 | 1.071 | 0.0 | 189.4 | 68.1   | 83.2     | 136.1    | 149.7   |
| 01     | 5.60 | 0.00 | 417.5 | 1.092 | 0.0 | 185.6 | 66.8   | 81.6     | 133.4    | 146.7   |
| 01     | 5.40 | 0.00 | 400.5 | 1.115 | 0.0 | 181.8 | 65.4   | 79.9     | 130.6    | 143.7   |
| 01     | 5.20 | 0.00 | 383.5 | 1.140 | 0.0 | 178.0 | 64.0   | 78.2     | 127.9    | 140.7   |
| 01     | 5.00 | 0.00 | 366.5 | 1.167 | 0.0 | 174.2 | 62.7   | 76.6     | 125.2    | 137.7   |
| 01     | 4.80 | 0.00 | 349.5 | 1.197 | 0.0 | 170.4 | 61.3   | 74.9     | 122.4    | 134.7   |
| 01     | 4.60 | 0.00 | 332.5 | 1.231 | 0.0 | 166.6 | 59.9   | 73.2     | 119.7    | 131.7   |
| 01     | 4.60 | 0.00 | 332.5 | 1.231 | 0.0 | 166.6 | 59.9   | 73.2     | 119.7    | 131.7   |
| 02     | 4.60 | 0.00 | 290.0 | 1.264 | 0.0 | 149.3 | 53.7   | 65.6     | 107.3    | 118.0   |
| 02     | 4.40 | 0.00 | 290.0 | 1.281 | 0.0 | 151.3 | 54.4   | 66.5     | 108.7    | 119.6   |
| 02     | 4.20 | 0.00 | 290.0 | 1.298 | 0.0 | 153.2 | 55.1   | 67.3     | 110.1    | 121.1   |
| 02     | 4.00 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |
| 02     | 3.80 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |
| 02     | 3.60 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |
| 02     | 3.40 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |



**FoXta v3**  
v3.3.6

Imprimé le : 06/09/2022 - 12:21:59  
 Calcul réalisé par : MAGMA CARAIBES  
 Projet : SP3\_compression  
 Module : Fondprof (Pieu 1/1)



|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.20   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 3.00   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.80   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.60   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.40   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.20   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.00   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.80   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.60   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.40   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.20   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.00   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 0.80   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 0.60   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 0.40   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 0.20   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 0.00   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | -0.20  | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | -0.40  | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | -0.60  | 0.00   | 350.0  | 1.300 | 0.0    | 185.3  | 66.6   | 81.4   | 133.1  | 146.4  |
| 02 | -0.80  | 0.00   | 410.0  | 1.300 | 0.0    | 217.0  | 78.1   | 95.4   | 155.9  | 171.6  |
| 02 | -1.00  | 0.00   | 470.0  | 1.300 | 0.0    | 248.8  | 89.5   | 109.3  | 178.8  | 196.7  |
| 02 | -1.20  | 0.00   | 530.0  | 1.300 | 0.0    | 280.5  | 100.9  | 123.3  | 201.6  | 221.8  |
| 02 | -1.40  | 0.00   | 590.0  | 1.300 | 0.0    | 312.3  | 112.3  | 137.3  | 224.4  | 246.9  |
| 02 | -1.60  | 0.00   | 650.0  | 1.289 | 0.0    | 341.3  | 122.7  | 150.0  | 245.2  | 269.8  |
| 02 | -1.80  | 0.00   | 710.0  | 1.261 | 0.0    | 364.5  | 131.1  | 160.2  | 261.9  | 288.2  |
| 02 | -1.90  | 0.00   | 740.0  | 1.249 | 0.0    | 376.2  | 135.3  | 165.3  | 270.3  | 297.4  |
| 03 | -1.90  | 61.00  | 890.0  | 1.207 | 0.0    | 437.2  | 157.3  | 192.2  | 314.2  | 345.6  |
| 03 | -2.10  | 61.00  | 890.0  | 1.215 | 27.6   | 440.2  | 172.2  | 210.4  | 336.1  | 369.8  |
| 03 | -2.30  | 61.00  | 890.0  | 1.223 | 55.2   | 443.1  | 187.1  | 228.7  | 358.0  | 393.9  |
| 03 | -2.50  | 61.00  | 890.0  | 1.231 | 82.8   | 446.0  | 202.0  | 246.9  | 380.0  | 418.0  |
| 03 | -2.70  | 61.00  | 890.0  | 1.240 | 110.4  | 449.5  | 217.2  | 265.5  | 402.3  | 442.6  |
| 03 | -2.90  | 61.00  | 890.0  | 1.252 | 138.0  | 453.6  | 232.5  | 284.2  | 425.1  | 467.6  |
| 03 | -3.10  | 61.00  | 890.0  | 1.263 | 165.6  | 457.6  | 247.9  | 303.0  | 447.8  | 492.7  |
| 03 | -3.30  | 61.00  | 890.0  | 1.274 | 193.2  | 461.7  | 263.2  | 321.7  | 470.6  | 517.7  |
| 03 | -3.50  | 61.00  | 890.0  | 1.285 | 220.8  | 465.8  | 278.5  | 340.5  | 493.3  | 542.7  |
| 03 | -3.70  | 61.00  | 890.0  | 1.297 | 248.4  | 469.9  | 293.9  | 359.3  | 516.1  | 567.8  |
| 03 | -3.90  | 61.00  | 890.0  | 1.300 | 276.0  | 471.1  | 308.2  | 376.8  | 536.8  | 590.5  |
| 03 | -4.10  | 61.00  | 890.0  | 1.300 | 303.6  | 471.1  | 322.1  | 393.7  | 556.6  | 612.4  |
| 03 | -4.30  | 61.00  | 890.0  | 1.300 | 331.1  | 471.1  | 335.9  | 410.7  | 576.5  | 634.2  |
| 03 | -4.50  | 61.00  | 890.0  | 1.300 | 358.7  | 471.1  | 349.8  | 427.7  | 596.3  | 656.0  |
| 03 | -4.70  | 61.00  | 890.0  | 1.300 | 386.3  | 471.1  | 363.7  | 444.7  | 616.1  | 677.8  |
| 03 | -4.90  | 61.00  | 890.0  | 1.300 | 413.9  | 471.1  | 377.6  | 461.6  | 635.9  | 699.6  |
| 03 | -5.10  | 61.00  | 890.0  | 1.300 | 441.5  | 471.1  | 391.4  | 478.6  | 655.8  | 721.4  |
| 03 | -5.30  | 61.00  | 890.0  | 1.300 | 469.1  | 471.1  | 405.3  | 495.6  | 675.6  | 743.2  |
| 03 | -5.50  | 61.00  | 890.0  | 1.300 | 496.7  | 471.1  | 419.2  | 512.5  | 695.4  | 765.1  |
| 03 | -5.70  | 61.00  | 890.0  | 1.300 | 524.3  | 471.1  | 433.0  | 529.5  | 715.3  | 786.9  |
| 03 | -5.90  | 61.00  | 890.0  | 1.300 | 551.9  | 471.1  | 446.9  | 546.5  | 735.1  | 808.7  |
| 03 | -6.10  | 61.00  | 890.0  | 1.300 | 579.5  | 471.1  | 460.8  | 563.5  | 754.9  | 830.5  |
| 03 | -6.30  | 61.00  | 941.0  | 1.300 | 607.1  | 498.1  | 484.4  | 592.3  | 794.2  | 873.7  |
| 03 | -6.50  | 61.00  | 992.0  | 1.300 | 634.7  | 525.1  | 508.0  | 621.1  | 833.4  | 916.8  |
| 03 | -6.70  | 61.00  | 1043.0 | 1.300 | 662.3  | 552.1  | 531.5  | 650.0  | 872.6  | 960.0  |
| 03 | -6.90  | 61.00  | 1094.0 | 1.300 | 689.9  | 579.0  | 555.1  | 678.8  | 911.8  | 1003.1 |
| 03 | -7.10  | 61.00  | 1145.0 | 1.300 | 717.5  | 606.0  | 578.7  | 707.6  | 951.1  | 1046.3 |
| 03 | -7.30  | 61.00  | 1196.0 | 1.300 | 745.1  | 633.0  | 602.3  | 736.5  | 990.3  | 1089.4 |
| 03 | -7.50  | 61.00  | 1247.0 | 1.300 | 772.7  | 660.0  | 625.9  | 765.3  | 1029.5 | 1132.6 |
| 03 | -7.60  | 61.00  | 1272.5 | 1.300 | 786.5  | 673.5  | 637.7  | 779.7  | 1049.1 | 1154.2 |
| 04 | -7.60  | 66.00  | 1400.0 | 1.300 | 786.5  | 741.0  | 661.9  | 809.4  | 1097.6 | 1207.5 |
| 04 | -7.80  | 66.00  | 1400.0 | 1.300 | 816.3  | 741.0  | 677.0  | 827.8  | 1119.1 | 1231.1 |
| 04 | -8.00  | 66.00  | 1400.0 | 1.300 | 846.2  | 741.0  | 692.0  | 846.1  | 1140.5 | 1254.7 |
| 04 | -8.20  | 66.00  | 1400.0 | 1.300 | 876.1  | 741.0  | 707.0  | 864.5  | 1162.0 | 1278.3 |
| 04 | -8.40  | 66.00  | 1400.0 | 1.300 | 905.9  | 741.0  | 722.0  | 882.8  | 1183.4 | 1301.9 |
| 04 | -8.60  | 66.00  | 1400.0 | 1.300 | 935.8  | 741.0  | 737.0  | 901.2  | 1204.9 | 1325.5 |
| 04 | -8.80  | 66.00  | 1400.0 | 1.300 | 965.6  | 741.0  | 752.0  | 919.6  | 1226.4 | 1349.1 |
| 04 | -9.00  | 66.00  | 1400.0 | 1.300 | 995.5  | 741.0  | 767.0  | 937.9  | 1247.8 | 1372.7 |
| 04 | -9.20  | 66.00  | 1400.0 | 1.300 | 1025.3 | 741.0  | 782.0  | 956.3  | 1269.3 | 1396.3 |
| 04 | -9.40  | 66.00  | 1400.0 | 1.300 | 1055.2 | 741.0  | 797.0  | 974.7  | 1290.7 | 1419.9 |
| 04 | -9.60  | 66.00  | 1532.0 | 1.300 | 1085.1 | 810.9  | 837.2  | 1023.7 | 1362.4 | 1498.8 |
| 04 | -9.80  | 66.00  | 1664.0 | 1.300 | 1114.9 | 880.7  | 877.3  | 1072.8 | 1434.0 | 1577.6 |
| 04 | -10.00 | 66.00  | 1796.0 | 1.300 | 1144.8 | 950.6  | 917.5  | 1121.9 | 1505.7 | 1656.4 |
| 04 | -10.20 | 66.00  | 1928.0 | 1.300 | 1174.6 | 1020.5 | 957.6  | 1170.9 | 1577.4 | 1735.3 |
| 04 | -10.40 | 66.00  | 2060.0 | 1.300 | 1204.5 | 1090.3 | 997.8  | 1220.0 | 1649.0 | 1814.1 |
| 04 | -10.60 | 66.00  | 2192.0 | 1.300 | 1234.3 | 1160.2 | 1037.9 | 1269.1 | 1720.7 | 1892.9 |
| 04 | -10.80 | 66.00  | 2324.0 | 1.288 | 1264.2 | 1219.0 | 1074.1 | 1313.3 | 1784.4 | 1963.0 |
| 04 | -10.90 | 66.00  | 2390.0 | 1.282 | 1279.1 | 1247.6 | 1091.8 | 1335.0 | 1815.7 | 1997.4 |
| 05 | -10.90 | 171.00 | 2720.0 | 1.826 | 1279.1 | 2022.5 | 1370.6 | 1675.6 | 2372.5 | 2610.0 |
| 05 | -11.10 | 171.00 | 2720.0 | 1.864 | 1356.5 | 2063.9 | 1424.4 | 1741.4 | 2457.8 | 2703.9 |
| 05 | -11.30 | 171.00 | 2720.0 | 1.901 | 1433.8 | 2105.3 | 1478.1 | 1807.2 | 2543.2 | 2797.8 |
| 05 | -11.50 | 171.00 | 2720.0 | 1.938 | 1511.2 | 2146.7 | 1531.9 | 1873.0 | 2628.5 | 2891.6 |
| 05 | -11.70 | 171.00 | 2720.0 | 1.976 | 1588.6 | 2188.1 | 1585.7 | 1938.7 | 2713.8 | 2985.5 |
| 05 | -11.90 | 171.00 | 2720.0 | 2.000 | 1665.9 | 2214.9 | 1634.2 | 1998.1 | 2788.7 | 3067.8 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 1743.3 | 2214.9 | 1673.1 | 2045.7 | 2844.3 | 3129.0 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 1820.6 | 2214.9 | 1712.0 | 2093.2 | 2899.8 | 3190.1 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 1898.0 | 2214.9 | 1750.9 | 2140.8 | 2955.4 | 3251.3 |
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 1975.4 | 2214.9 | 1789.8 | 2188.4 | 3011.0 | 3312.5 |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 2052.7 | 2214.9 | 1828.7 | 2236.0 | 3066.6 | 3373.6 |

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 2130.1 | 2214.9 | 1867.6 | 2283.5 | 3122.2 | 3434.8 |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 2207.4 | 2214.9 | 1906.5 | 2331.1 | 3177.8 | 3495.9 |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 2284.8 | 2214.9 | 1945.4 | 2378.7 | 3233.4 | 3557.1 |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 2362.2 | 2214.9 | 1984.3 | 2426.3 | 3289.0 | 3618.2 |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 2439.5 | 2214.9 | 2023.2 | 2473.9 | 3344.6 | 3679.4 |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 2516.9 | 2214.9 | 2062.1 | 2521.4 | 3400.1 | 3740.5 |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 2594.2 | 2214.9 | 2101.0 | 2569.0 | 3455.7 | 3801.7 |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 2671.6 | 2214.9 | 2139.8 | 2616.6 | 3511.3 | 3862.8 |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 2748.9 | 2214.9 | 2178.7 | 2664.2 | 3566.9 | 3924.0 |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 2826.3 | 2214.9 | 2217.6 | 2711.7 | 3622.5 | 3985.1 |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 2903.7 | 2214.9 | 2256.5 | 2759.3 | 3678.1 | 4046.3 |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 2981.0 | 2214.9 | 2295.4 | 2806.9 | 3733.7 | 4107.4 |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 3058.4 | 2214.9 | 2334.3 | 2854.5 | 3789.3 | 4168.6 |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 3135.7 | 2214.9 | 2373.2 | 2902.0 | 3844.8 | 4229.8 |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 3213.1 | 2214.9 | 2412.1 | 2949.6 | 3900.4 | 4290.9 |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 3290.5 | 2214.9 | 2451.0 | 2997.2 | 3956.0 | 4352.1 |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 3367.8 | 2214.9 | 2489.9 | 3044.8 | 4011.6 | 4413.2 |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 3445.2 | 2214.9 | 2528.8 | 3092.4 | 4067.2 | 4474.4 |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 3522.5 | 2214.9 | 2567.7 | 3139.9 | 4122.8 | 4535.5 |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 3599.9 | 2214.9 | 2606.6 | 3187.5 | 4178.4 | 4596.7 |
| 05 | -17.10 | 171.00 | 2881.0 | 2.000 | 3677.2 | 2346.0 | 2692.6 | 3292.7 | 4328.2 | 4761.5 |
| 05 | -17.30 | 171.00 | 3042.0 | 2.000 | 3754.6 | 2477.1 | 2778.7 | 3397.9 | 4478.0 | 4926.3 |
| 05 | -17.50 | 171.00 | 3203.0 | 2.000 | 3832.0 | 2608.2 | 2864.7 | 3503.1 | 4627.8 | 5091.0 |
| 05 | -17.70 | 171.00 | 3364.0 | 2.000 | 3909.3 | 2739.3 | 2950.8 | 3608.3 | 4777.6 | 5255.8 |
| 05 | -17.90 | 171.00 | 3525.0 | 2.000 | 3986.7 | 2870.4 | 3036.8 | 3713.5 | 4927.3 | 5420.6 |
| 05 | -18.10 | 171.00 | 3686.0 | 2.000 | 4064.0 | 3001.5 | 3122.9 | 3818.7 | 5077.1 | 5585.4 |
| 05 | -18.30 | 171.00 | 3847.0 | 2.000 | 4141.4 | 3132.6 | 3208.9 | 3923.9 | 5226.9 | 5750.2 |
| 05 | -18.40 | 171.00 | 3927.5 | 2.000 | 4180.1 | 3198.2 | 3251.9 | 3976.5 | 5301.8 | 5832.6 |
| 06 | -18.40 | 197.00 | 4330.0 | 2.000 | 4180.1 | 3525.9 | 3369.8 | 4120.6 | 5537.4 | 6091.7 |
| 06 | -18.60 | 197.00 | 4330.0 | 2.000 | 4269.2 | 3525.9 | 3414.6 | 4175.4 | 5601.4 | 6162.2 |
| 06 | -18.80 | 197.00 | 4330.0 | 2.000 | 4358.3 | 3525.9 | 3459.4 | 4230.2 | 5665.4 | 6232.6 |
| 06 | -19.00 | 197.00 | 4330.0 | 2.000 | 4447.4 | 3525.9 | 3504.2 | 4285.0 | 5729.5 | 6303.1 |
| 06 | -19.20 | 197.00 | 4330.0 | 2.000 | 4536.6 | 3525.9 | 3549.0 | 4339.8 | 5793.5 | 6373.5 |
| 06 | -19.40 | 197.00 | 4330.0 | 2.000 | 4625.7 | 3525.9 | 3593.9 | 4394.6 | 5857.6 | 6444.0 |
| 06 | -19.60 | 197.00 | 4330.0 | 2.000 | 4714.8 | 3525.9 | 3638.7 | 4449.4 | 5921.6 | 6514.4 |
| 06 | -19.80 | 197.00 | 4330.0 | 2.000 | 4803.9 | 3525.9 | 3683.5 | 4504.2 | 5985.6 | 6584.9 |
| 06 | -20.00 | 197.00 | 4330.0 | 2.000 | 4893.0 | 3525.9 | 3728.3 | 4559.1 | 6049.7 | 6655.3 |
| 06 | -20.20 | 197.00 | 4330.0 | 2.000 | 4982.2 | 3525.9 | 3773.1 | 4613.9 | 6113.7 | 6725.8 |
| 06 | -20.40 | 197.00 | 4330.0 | 2.000 | 5071.3 | 3525.9 | 3817.9 | 4668.7 | 6177.8 | 6796.2 |
| 06 | -20.60 | 197.00 | 4330.0 | 2.000 | 5160.4 | 3525.9 | 3862.7 | 4723.5 | 6241.8 | 6866.7 |
| 06 | -20.80 | 197.00 | 4330.0 | 2.000 | 5249.5 | 3525.9 | 3907.5 | 4778.3 | 6305.8 | 6937.1 |
| 06 | -21.00 | 197.00 | 4330.0 | 2.000 | 5338.6 | 3525.9 | 3952.3 | 4833.1 | 6369.9 | 7007.6 |
| 06 | -21.20 | 197.00 | 4330.0 | 2.000 | 5427.8 | 3525.9 | 3997.1 | 4887.9 | 6433.9 | 7078.0 |
| 06 | -21.40 | 197.00 | 4330.0 | 2.000 | 5516.9 | 3525.9 | 4041.9 | 4942.7 | 6498.0 | 7148.5 |
| 06 | -21.60 | 197.00 | 4330.0 | 2.000 | 5606.0 | 3525.9 | 4086.7 | 4997.5 | 6562.0 | 7218.9 |
| 06 | -21.80 | 197.00 | 4330.0 | 2.000 | 5695.1 | 3525.9 | 4131.5 | 5052.4 | 6626.0 | 7289.4 |
| 06 | -22.00 | 197.00 | 4330.0 | 2.000 | 5784.3 | 3525.9 | 4176.3 | 5107.2 | 6690.1 | 7359.8 |
| 06 | -22.20 | 197.00 | 4330.0 | 2.000 | 5873.4 | 3525.9 | 4221.2 | 5162.0 | 6754.1 | 7430.3 |
| 06 | -22.40 | 197.00 | 4330.0 | 2.000 | 5962.5 | 3525.9 | 4266.0 | 5216.8 | 6818.2 | 7500.7 |
| 06 | -22.60 | 197.00 | 4330.0 | 2.000 | 6051.6 | 3525.9 | 4310.8 | 5271.6 | 6882.2 | 7571.2 |
| 06 | -22.80 | 197.00 | 4330.0 | 2.000 | 6140.7 | 3525.9 | 4355.6 | 5326.4 | 6946.2 | 7641.6 |
| 06 | -23.00 | 197.00 | 4330.0 | 2.000 | 6229.9 | 3525.9 | 4400.4 | 5381.2 | 7010.3 | 7712.1 |
| 06 | -23.20 | 197.00 | 4330.0 | 2.000 | 6319.0 | 3525.9 | 4445.2 | 5436.0 | 7074.3 | 7782.5 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 6408.1 | 3525.9 | 4490.0 | 5490.8 | 7138.4 | 7853.0 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 6408.1 | 3525.9 | 4490.0 | 5490.8 | 7138.4 | 7853.0 |



# Capacité du pieu pour chaque combinaison en fonction de la profondeur



# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP3  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,82  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0.636  | 0.778     | 0.909    | 1.000   |
| Pondérations combinées sur Qp.k | 0.455  | 0.556     | 0.909    | 1.000   |

Cote de référence (m) : 6,60

## Définition des couches de sol

| No | Nom                                       | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | $\sqrt{R_d} \times \sqrt{R_d}$ | d2 |
|----|-------------------------------------------|---------|-----------------------------|--------|---------|--------|-------|--------------------------------|----|
| 1  | Remblais                                  |         | Argile, limons              | 4,60   | 460,00  | 0,00   | 1,30  | 1,265                          |    |
| 2  | Alluvions                                 |         | Argile, limons              | -1,90  | 290,00  | 0,00   | 1,30  | 1,265                          |    |
| 3  | Lave altérée argilisée raide              |         | Argile, limons              | -7,60  | 890,00  | 61,00  | 1,30  | 1,265                          |    |
| 4  | Lave altérée argilisée raide à très raide |         | Argile, limons              | -10,90 | 1400,00 | 66,00  | 1,30  | 1,265                          |    |
| 5  | Lave altérée argilisée très raide         |         | Roche altérée et fragmentée | -18,40 | 2720,00 | 171,00 | 2,00  | 1,265                          |    |
| 6  | Lave altérée +/- argilisée très raide     |         | Roche altérée et fragmentée | -25,00 | 4330,00 | 197,00 | 2,00  | 1,265                          |    |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

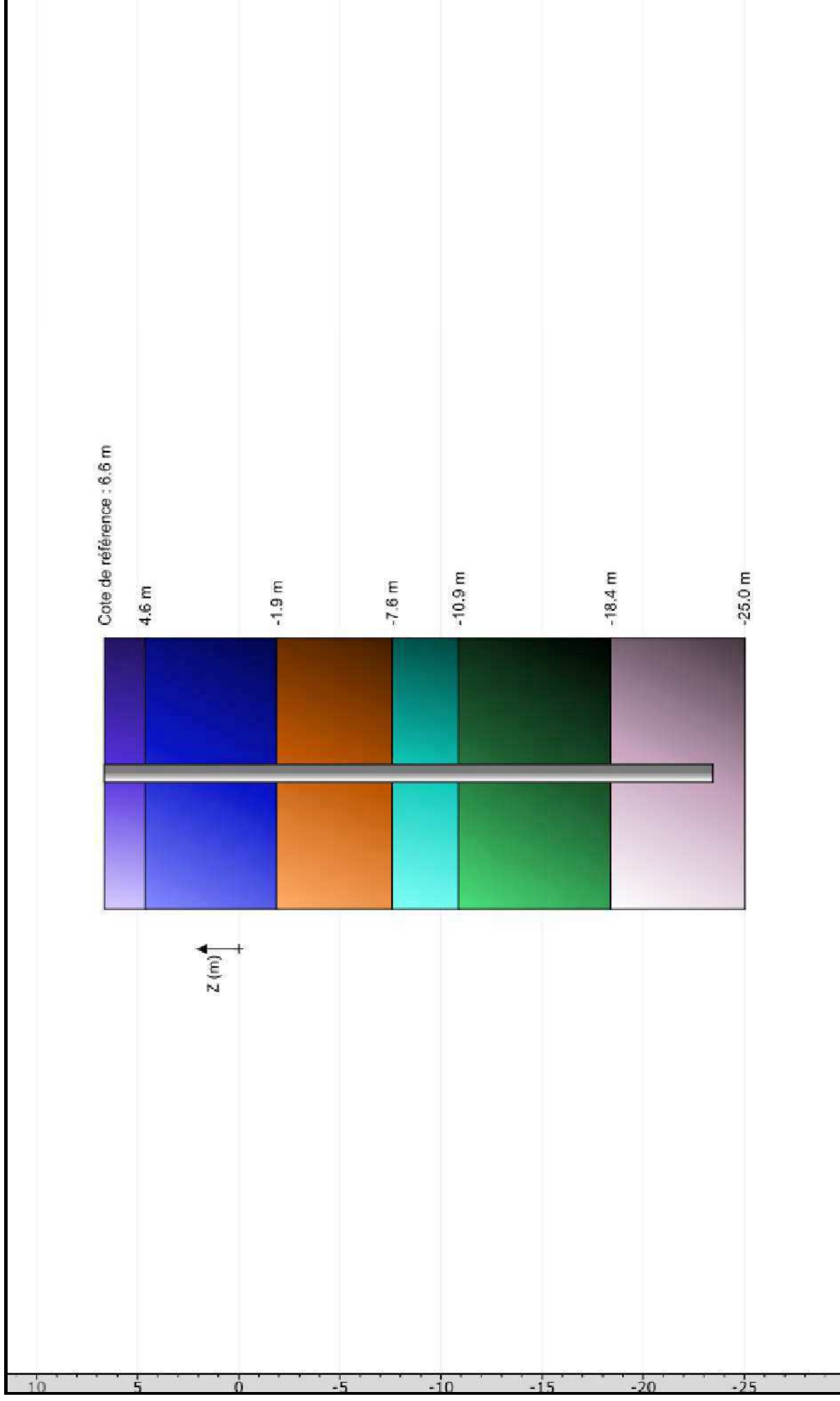


FoXta v3  
v3.3.6

Imprimé le : 06/09/2022 - 12:23:18  
Calcul réalisé par : MAGMA CARAIBES

Projet : SP3\_compression  
Module : Fondprof (Pieu 1/1)

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 12h22  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.600

Section du pieu : 0.528  
Périmètre : 2.576

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.60   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -1.90  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -7.60  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 04     | -10.90 | 1400.0 | 66.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.40 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -25.00 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.60 | 0.00 | 460.0 | 1.000 | 0.0 | 242.9 | 87.4   | 106.8    | 174.6    | 192.0   |
| 01     | 6.40 | 0.00 | 460.0 | 1.015 | 0.0 | 246.5 | 88.7   | 108.3    | 177.1    | 194.8   |
| 01     | 6.20 | 0.00 | 460.0 | 1.029 | 0.0 | 250.0 | 89.9   | 109.9    | 179.7    | 197.7   |
| 01     | 6.00 | 0.00 | 451.5 | 1.045 | 0.0 | 249.1 | 89.6   | 109.5    | 179.0    | 196.9   |
| 01     | 5.80 | 0.00 | 434.5 | 1.062 | 0.0 | 243.7 | 87.6   | 107.1    | 175.1    | 192.6   |
| 01     | 5.60 | 0.00 | 417.5 | 1.081 | 0.0 | 238.3 | 85.7   | 104.7    | 171.2    | 188.3   |
| 01     | 5.40 | 0.00 | 400.5 | 1.101 | 0.0 | 232.8 | 83.7   | 102.3    | 167.3    | 184.1   |
| 01     | 5.20 | 0.00 | 383.5 | 1.123 | 0.0 | 227.4 | 81.8   | 100.0    | 163.4    | 179.8   |
| 01     | 5.00 | 0.00 | 366.5 | 1.147 | 0.0 | 222.0 | 79.8   | 97.6     | 159.5    | 175.5   |
| 01     | 4.80 | 0.00 | 349.5 | 1.173 | 0.0 | 216.6 | 77.9   | 95.2     | 155.6    | 171.2   |
| 01     | 4.60 | 0.00 | 332.5 | 1.202 | 0.0 | 211.1 | 75.9   | 92.8     | 151.7    | 166.9   |
| 01     | 4.60 | 0.00 | 332.5 | 1.202 | 0.0 | 211.1 | 75.9   | 92.8     | 151.7    | 166.9   |
| 02     | 4.60 | 0.00 | 290.0 | 1.232 | 0.0 | 188.7 | 67.9   | 82.9     | 135.6    | 149.2   |
| 02     | 4.40 | 0.00 | 290.0 | 1.247 | 0.0 | 190.9 | 68.7   | 83.9     | 137.2    | 150.9   |
| 02     | 4.20 | 0.00 | 290.0 | 1.261 | 0.0 | 193.2 | 69.5   | 84.9     | 138.8    | 152.7   |
| 02     | 4.00 | 0.00 | 290.0 | 1.276 | 0.0 | 195.4 | 70.3   | 85.9     | 140.4    | 154.5   |
| 02     | 3.80 | 0.00 | 290.0 | 1.291 | 0.0 | 197.7 | 71.1   | 86.9     | 142.0    | 156.3   |
| 02     | 3.60 | 0.00 | 290.0 | 1.300 | 0.0 | 199.1 | 71.6   | 87.5     | 143.1    | 157.4   |
| 02     | 3.40 | 0.00 | 290.0 | 1.300 | 0.0 | 199.1 | 71.6   | 87.5     | 143.1    | 157.4   |



**FoXta v3**  
v3.3.6

Imprimé le : 06/09/2022 - 12:23:18  
 Calcul réalisé par : MAGMA CARAIBES  
 Projet : SP3\_compression  
 Module : Fondprof (Pieu 1/1)

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.20   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 3.00   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.80   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.60   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.40   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.20   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.00   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.80   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.60   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.40   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.20   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.00   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 0.80   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 0.60   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 0.40   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 0.20   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 0.00   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | -0.20  | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | -0.40  | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | -0.60  | 0.00   | 350.0  | 1.300 | 0.0    | 240.3  | 86.4   | 105.6  | 172.7  | 189.9  |
| 02 | -0.80  | 0.00   | 410.0  | 1.300 | 0.0    | 281.5  | 101.2  | 123.7  | 202.3  | 222.5  |
| 02 | -1.00  | 0.00   | 470.0  | 1.300 | 0.0    | 322.7  | 116.1  | 141.8  | 231.9  | 255.1  |
| 02 | -1.20  | 0.00   | 530.0  | 1.300 | 0.0    | 363.9  | 130.9  | 159.9  | 261.5  | 287.6  |
| 02 | -1.40  | 0.00   | 590.0  | 1.300 | 0.0    | 405.1  | 145.7  | 178.0  | 291.1  | 320.2  |
| 02 | -1.60  | 0.00   | 650.0  | 1.300 | 0.0    | 446.2  | 160.5  | 196.1  | 320.7  | 352.8  |
| 02 | -1.80  | 0.00   | 710.0  | 1.277 | 0.0    | 478.7  | 172.2  | 210.4  | 344.0  | 378.4  |
| 02 | -1.90  | 0.00   | 740.0  | 1.264 | 0.0    | 493.9  | 177.6  | 217.1  | 354.9  | 390.4  |
| 03 | -1.90  | 61.00  | 890.0  | 1.219 | 0.0    | 573.1  | 206.1  | 251.9  | 411.8  | 453.0  |
| 03 | -2.10  | 61.00  | 890.0  | 1.226 | 31.4   | 576.4  | 223.1  | 272.7  | 436.8  | 480.5  |
| 03 | -2.30  | 61.00  | 890.0  | 1.233 | 62.9   | 579.7  | 240.1  | 293.5  | 461.7  | 508.0  |
| 03 | -2.50  | 61.00  | 890.0  | 1.240 | 94.3   | 583.0  | 257.1  | 314.2  | 486.7  | 535.4  |
| 03 | -2.70  | 61.00  | 890.0  | 1.248 | 125.7  | 586.4  | 274.1  | 335.0  | 511.7  | 562.9  |
| 03 | -2.90  | 61.00  | 890.0  | 1.255 | 157.1  | 589.7  | 291.1  | 355.8  | 536.7  | 590.4  |
| 03 | -3.10  | 61.00  | 890.0  | 1.262 | 188.6  | 593.0  | 308.1  | 376.6  | 561.6  | 617.8  |
| 03 | -3.30  | 61.00  | 890.0  | 1.269 | 220.0  | 596.3  | 325.1  | 397.4  | 586.6  | 645.3  |
| 03 | -3.50  | 61.00  | 890.0  | 1.276 | 251.4  | 599.7  | 342.1  | 418.2  | 611.6  | 672.8  |
| 03 | -3.70  | 61.00  | 890.0  | 1.284 | 282.9  | 603.6  | 359.3  | 439.3  | 637.0  | 700.8  |
| 03 | -3.90  | 61.00  | 890.0  | 1.294 | 314.3  | 608.3  | 376.8  | 460.6  | 662.9  | 729.3  |
| 03 | -4.10  | 61.00  | 890.0  | 1.300 | 345.7  | 611.0  | 393.6  | 481.2  | 687.5  | 756.3  |
| 03 | -4.30  | 61.00  | 890.0  | 1.300 | 377.1  | 611.0  | 409.4  | 500.5  | 710.1  | 781.2  |
| 03 | -4.50  | 61.00  | 890.0  | 1.300 | 408.6  | 611.0  | 425.2  | 519.8  | 732.6  | 806.0  |
| 03 | -4.70  | 61.00  | 890.0  | 1.300 | 440.0  | 611.0  | 441.0  | 539.2  | 755.2  | 830.8  |
| 03 | -4.90  | 61.00  | 890.0  | 1.300 | 471.4  | 611.0  | 456.8  | 558.5  | 777.8  | 855.7  |
| 03 | -5.10  | 61.00  | 890.0  | 1.300 | 502.9  | 611.0  | 472.6  | 577.8  | 800.4  | 880.5  |
| 03 | -5.30  | 61.00  | 890.0  | 1.300 | 534.3  | 611.0  | 488.4  | 597.2  | 823.0  | 905.4  |
| 03 | -5.50  | 61.00  | 890.0  | 1.300 | 565.7  | 611.0  | 504.2  | 616.5  | 845.6  | 930.2  |
| 03 | -5.70  | 61.00  | 890.0  | 1.300 | 597.1  | 611.0  | 520.0  | 635.8  | 868.2  | 955.1  |
| 03 | -5.90  | 61.00  | 890.0  | 1.300 | 628.6  | 611.0  | 535.8  | 655.1  | 890.7  | 979.9  |
| 03 | -6.10  | 61.00  | 890.0  | 1.300 | 660.0  | 611.0  | 551.6  | 674.5  | 913.3  | 1004.8 |
| 03 | -6.30  | 61.00  | 941.0  | 1.300 | 691.4  | 646.0  | 580.0  | 709.2  | 961.1  | 1057.3 |
| 03 | -6.50  | 61.00  | 992.0  | 1.300 | 722.9  | 681.0  | 608.4  | 743.9  | 1008.8 | 1109.8 |
| 03 | -6.70  | 61.00  | 1043.0 | 1.300 | 754.3  | 716.1  | 636.8  | 778.6  | 1056.6 | 1162.3 |
| 03 | -6.90  | 61.00  | 1094.0 | 1.300 | 785.7  | 751.1  | 665.2  | 813.3  | 1104.3 | 1214.8 |
| 03 | -7.10  | 61.00  | 1145.0 | 1.300 | 817.1  | 786.1  | 693.6  | 848.1  | 1152.0 | 1267.4 |
| 03 | -7.30  | 61.00  | 1196.0 | 1.300 | 848.6  | 821.1  | 722.0  | 882.8  | 1199.8 | 1319.9 |
| 03 | -7.50  | 61.00  | 1247.0 | 1.300 | 880.0  | 856.1  | 750.4  | 917.5  | 1247.5 | 1372.4 |
| 03 | -7.60  | 61.00  | 1272.5 | 1.300 | 895.7  | 873.6  | 764.6  | 934.9  | 1271.4 | 1398.7 |
| 04 | -7.60  | 66.00  | 1400.0 | 1.300 | 895.7  | 961.1  | 796.0  | 973.3  | 1334.3 | 1467.9 |
| 04 | -7.80  | 66.00  | 1400.0 | 1.300 | 929.7  | 961.1  | 813.1  | 994.2  | 1358.7 | 1494.8 |
| 04 | -8.00  | 66.00  | 1400.0 | 1.300 | 963.7  | 961.1  | 830.2  | 1015.2 | 1383.2 | 1521.6 |
| 04 | -8.20  | 66.00  | 1400.0 | 1.300 | 997.7  | 961.1  | 847.3  | 1036.1 | 1407.6 | 1548.5 |
| 04 | -8.40  | 66.00  | 1400.0 | 1.300 | 1031.7 | 961.1  | 864.4  | 1057.0 | 1432.0 | 1575.4 |
| 04 | -8.60  | 66.00  | 1400.0 | 1.300 | 1065.7 | 961.1  | 881.5  | 1077.9 | 1456.5 | 1602.3 |
| 04 | -8.80  | 66.00  | 1400.0 | 1.300 | 1099.7 | 961.1  | 898.6  | 1098.8 | 1480.9 | 1629.2 |
| 04 | -9.00  | 66.00  | 1400.0 | 1.300 | 1133.7 | 961.1  | 915.7  | 1119.7 | 1505.3 | 1656.0 |
| 04 | -9.20  | 66.00  | 1400.0 | 1.300 | 1167.7 | 961.1  | 932.8  | 1140.6 | 1529.8 | 1682.9 |
| 04 | -9.40  | 66.00  | 1400.0 | 1.300 | 1201.8 | 961.1  | 949.9  | 1161.6 | 1554.2 | 1709.8 |
| 04 | -9.60  | 66.00  | 1532.0 | 1.300 | 1235.8 | 1051.8 | 999.6  | 1222.3 | 1643.8 | 1808.3 |
| 04 | -9.80  | 66.00  | 1664.0 | 1.300 | 1269.8 | 1142.4 | 1049.3 | 1283.0 | 1733.3 | 1906.8 |
| 04 | -10.00 | 66.00  | 1796.0 | 1.300 | 1303.8 | 1233.0 | 1099.0 | 1343.8 | 1822.9 | 2005.4 |
| 04 | -10.20 | 66.00  | 1928.0 | 1.300 | 1337.8 | 1323.6 | 1148.7 | 1404.5 | 1912.4 | 2103.9 |
| 04 | -10.40 | 66.00  | 2060.0 | 1.300 | 1371.8 | 1414.3 | 1198.4 | 1465.3 | 2002.0 | 2202.4 |
| 04 | -10.60 | 66.00  | 2192.0 | 1.295 | 1405.8 | 1498.7 | 1245.8 | 1523.3 | 2087.1 | 2296.1 |
| 04 | -10.80 | 66.00  | 2324.0 | 1.281 | 1439.8 | 1572.4 | 1289.4 | 1576.6 | 2164.5 | 2381.2 |
| 04 | -10.90 | 66.00  | 2390.0 | 1.275 | 1456.8 | 1609.2 | 1311.2 | 1603.2 | 2203.2 | 2423.7 |
| 05 | -10.90 | 171.00 | 2720.0 | 1.805 | 1456.8 | 2593.2 | 1665.2 | 2035.7 | 2910.3 | 3201.6 |
| 05 | -11.10 | 171.00 | 2720.0 | 1.838 | 1544.9 | 2640.4 | 1726.4 | 2110.7 | 3007.4 | 3308.5 |
| 05 | -11.30 | 171.00 | 2720.0 | 1.871 | 1633.0 | 2687.5 | 1787.7 | 2185.6 | 3104.6 | 3415.4 |
| 05 | -11.50 | 171.00 | 2720.0 | 1.904 | 1721.1 | 2734.7 | 1848.9 | 2260.5 | 3201.8 | 3522.3 |
| 05 | -11.70 | 171.00 | 2720.0 | 1.937 | 1809.2 | 2781.8 | 1910.2 | 2335.4 | 3299.0 | 3629.3 |
| 05 | -11.90 | 171.00 | 2720.0 | 1.969 | 1897.3 | 2829.0 | 1971.4 | 2410.3 | 3396.2 | 3736.2 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 1985.4 | 2872.9 | 2031.5 | 2483.8 | 3491.0 | 3840.5 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 2073.5 | 2872.9 | 2075.8 | 2538.0 | 3554.4 | 3910.2 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 2161.6 | 2872.9 | 2120.1 | 2592.1 | 3617.7 | 3979.8 |
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 2249.7 | 2872.9 | 2164.4 | 2646.3 | 3681.0 | 4049.5 |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 2337.8 | 2872.9 | 2208.7 | 2700.5 | 3744.3 | 4119.1 |

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 2425.9 | 2872.9 | 2253.0 | 2754.7 | 3807.6 | 4188.8 |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 2514.0 | 2872.9 | 2297.3 | 2808.9 | 3870.9 | 4258.4 |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 2602.1 | 2872.9 | 2341.6 | 2863.1 | 3934.2 | 4328.1 |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 2690.2 | 2872.9 | 2385.9 | 2917.2 | 3997.5 | 4397.7 |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 2778.3 | 2872.9 | 2430.2 | 2971.4 | 4060.8 | 4467.4 |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 2866.4 | 2872.9 | 2474.5 | 3025.6 | 4124.1 | 4537.0 |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 2954.5 | 2872.9 | 2518.8 | 3079.8 | 4187.4 | 4606.6 |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 3042.6 | 2872.9 | 2563.1 | 3134.0 | 4250.8 | 4676.3 |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 3130.7 | 2872.9 | 2607.4 | 3188.2 | 4314.1 | 4745.9 |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 3218.8 | 2872.9 | 2651.7 | 3242.4 | 4377.4 | 4815.6 |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 3306.9 | 2872.9 | 2695.9 | 3296.5 | 4440.7 | 4885.2 |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 3395.1 | 2872.9 | 2740.2 | 3350.7 | 4504.0 | 4954.9 |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 3483.2 | 2872.9 | 2784.5 | 3404.9 | 4567.3 | 5024.5 |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 3571.3 | 2872.9 | 2828.8 | 3459.1 | 4630.6 | 5094.2 |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 3659.4 | 2872.9 | 2873.1 | 3513.3 | 4693.9 | 5163.8 |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 3747.5 | 2872.9 | 2917.4 | 3567.5 | 4757.2 | 5233.5 |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 3835.6 | 2872.9 | 2961.7 | 3621.6 | 4820.5 | 5303.1 |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 3923.7 | 2872.9 | 3006.0 | 3675.8 | 4883.8 | 5372.8 |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 4011.8 | 2872.9 | 3050.3 | 3730.0 | 4947.1 | 5442.4 |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 4099.9 | 2872.9 | 3094.6 | 3784.2 | 5010.5 | 5512.1 |
| 05 | -17.10 | 171.00 | 2881.0 | 2.000 | 4188.0 | 3042.9 | 3200.1 | 3913.1 | 5196.0 | 5716.1 |
| 05 | -17.30 | 171.00 | 3042.0 | 2.000 | 4276.1 | 3213.0 | 3305.5 | 4042.1 | 5381.5 | 5920.2 |
| 05 | -17.50 | 171.00 | 3203.0 | 2.000 | 4364.2 | 3383.0 | 3411.0 | 4171.0 | 5567.0 | 6124.3 |
| 05 | -17.70 | 171.00 | 3364.0 | 2.000 | 4452.3 | 3553.1 | 3516.4 | 4299.9 | 5752.5 | 6328.3 |
| 05 | -17.90 | 171.00 | 3525.0 | 2.000 | 4540.4 | 3723.1 | 3621.9 | 4428.8 | 5938.0 | 6532.4 |
| 05 | -18.10 | 171.00 | 3686.0 | 2.000 | 4628.5 | 3893.2 | 3727.4 | 4557.8 | 6123.5 | 6736.5 |
| 05 | -18.30 | 171.00 | 3847.0 | 2.000 | 4716.6 | 4063.2 | 3832.8 | 4686.7 | 6309.0 | 6940.6 |
| 05 | -18.40 | 171.00 | 3927.5 | 2.000 | 4760.6 | 4148.2 | 3885.5 | 4751.1 | 6401.7 | 7042.6 |
| 06 | -18.40 | 197.00 | 4330.0 | 2.000 | 4760.6 | 4573.4 | 4038.5 | 4938.0 | 6707.2 | 7378.7 |
| 06 | -18.60 | 197.00 | 4330.0 | 2.000 | 4862.1 | 4573.4 | 4089.5 | 5000.4 | 6780.1 | 7458.9 |
| 06 | -18.80 | 197.00 | 4330.0 | 2.000 | 4963.6 | 4573.4 | 4140.5 | 5062.8 | 6853.1 | 7539.1 |
| 06 | -19.00 | 197.00 | 4330.0 | 2.000 | 5065.1 | 4573.4 | 4191.5 | 5125.3 | 6926.0 | 7619.4 |
| 06 | -19.20 | 197.00 | 4330.0 | 2.000 | 5166.6 | 4573.4 | 4242.6 | 5187.7 | 6998.9 | 7699.6 |
| 06 | -19.40 | 197.00 | 4330.0 | 2.000 | 5268.1 | 4573.4 | 4293.6 | 5250.1 | 7071.9 | 7779.8 |
| 06 | -19.60 | 197.00 | 4330.0 | 2.000 | 5369.6 | 4573.4 | 4344.6 | 5312.5 | 7144.8 | 7860.1 |
| 06 | -19.80 | 197.00 | 4330.0 | 2.000 | 5471.1 | 4573.4 | 4395.7 | 5375.0 | 7217.7 | 7940.3 |
| 06 | -20.00 | 197.00 | 4330.0 | 2.000 | 5572.6 | 4573.4 | 4446.7 | 5437.4 | 7290.7 | 8020.5 |
| 06 | -20.20 | 197.00 | 4330.0 | 2.000 | 5674.1 | 4573.4 | 4497.7 | 5499.8 | 7363.6 | 8100.8 |
| 06 | -20.40 | 197.00 | 4330.0 | 2.000 | 5775.6 | 4573.4 | 4548.8 | 5562.2 | 7436.5 | 8181.0 |
| 06 | -20.60 | 197.00 | 4330.0 | 2.000 | 5877.1 | 4573.4 | 4599.8 | 5624.7 | 7509.5 | 8261.3 |
| 06 | -20.80 | 197.00 | 4330.0 | 2.000 | 5978.6 | 4573.4 | 4650.8 | 5687.1 | 7582.4 | 8341.5 |
| 06 | -21.00 | 197.00 | 4330.0 | 2.000 | 6080.1 | 4573.4 | 4701.8 | 5749.5 | 7655.4 | 8421.7 |
| 06 | -21.20 | 197.00 | 4330.0 | 2.000 | 6181.6 | 4573.4 | 4752.9 | 5811.9 | 7728.3 | 8502.0 |
| 06 | -21.40 | 197.00 | 4330.0 | 2.000 | 6283.1 | 4573.4 | 4803.9 | 5874.4 | 7801.2 | 8582.2 |
| 06 | -21.60 | 197.00 | 4330.0 | 2.000 | 6384.6 | 4573.4 | 4854.9 | 5936.8 | 7874.2 | 8662.4 |
| 06 | -21.80 | 197.00 | 4330.0 | 2.000 | 6486.1 | 4573.4 | 4906.0 | 5999.2 | 7947.1 | 8742.7 |
| 06 | -22.00 | 197.00 | 4330.0 | 2.000 | 6587.6 | 4573.4 | 4957.0 | 6061.6 | 8020.0 | 8822.9 |
| 06 | -22.20 | 197.00 | 4330.0 | 2.000 | 6689.1 | 4573.4 | 5008.0 | 6124.0 | 8093.0 | 8903.1 |
| 06 | -22.40 | 197.00 | 4330.0 | 2.000 | 6790.6 | 4573.4 | 5059.1 | 6186.5 | 8165.9 | 8983.4 |
| 06 | -22.60 | 197.00 | 4330.0 | 2.000 | 6892.1 | 4573.4 | 5110.1 | 6248.9 | 8238.8 | 9063.6 |
| 06 | -22.80 | 197.00 | 4330.0 | 2.000 | 6993.6 | 4573.4 | 5161.1 | 6311.3 | 8311.8 | 9143.9 |
| 06 | -23.00 | 197.00 | 4330.0 | 2.000 | 7095.1 | 4573.4 | 5212.2 | 6373.7 | 8384.7 | 9224.1 |
| 06 | -23.20 | 197.00 | 4330.0 | 2.000 | 7196.6 | 4573.4 | 5263.2 | 6436.2 | 8457.6 | 9304.3 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 7298.1 | 4573.4 | 5314.2 | 6498.6 | 8530.6 | 9384.6 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 7298.1 | 4573.4 | 5314.2 | 6498.6 | 8530.6 | 9384.6 |



# Capacité du pieu pour chaque combinaison en fonction de la profondeur





# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP3  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,92  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0.636  | 0.778     | 0.909    | 1.000   |
| Pondérations combinées sur Qp.k | 0.455  | 0.556     | 0.909    | 1.000   |

Cote de référence (m) : 6,60

## Définition des couches de sol

| No | Nom                                       | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | γR,d1×γR,d2 |
|----|-------------------------------------------|---------|-----------------------------|--------|---------|--------|-------|-------------|
| 1  | Remblais                                  |         | Argile, limons              | 4,60   | 460,00  | 0,00   | 1,30  | 1,265       |
| 2  | Alluvions                                 |         | Argile, limons              | -1,90  | 290,00  | 0,00   | 1,30  | 1,265       |
| 3  | Lave altérée argilisée raide              |         | Argile, limons              | -7,60  | 890,00  | 61,00  | 1,30  | 1,265       |
| 4  | Lave altérée argilisée raide à très raide |         | Argile, limons              | -10,90 | 1400,00 | 66,00  | 1,30  | 1,265       |
| 5  | Lave altérée argilisée très raide         |         | Roche altérée et fragmentée | -18,40 | 2720,00 | 171,00 | 2,00  | 1,265       |
| 6  | Lave altérée +/- argilisée très raide     |         | Roche altérée et fragmentée | -25,00 | 4330,00 | 197,00 | 2,00  | 1,265       |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

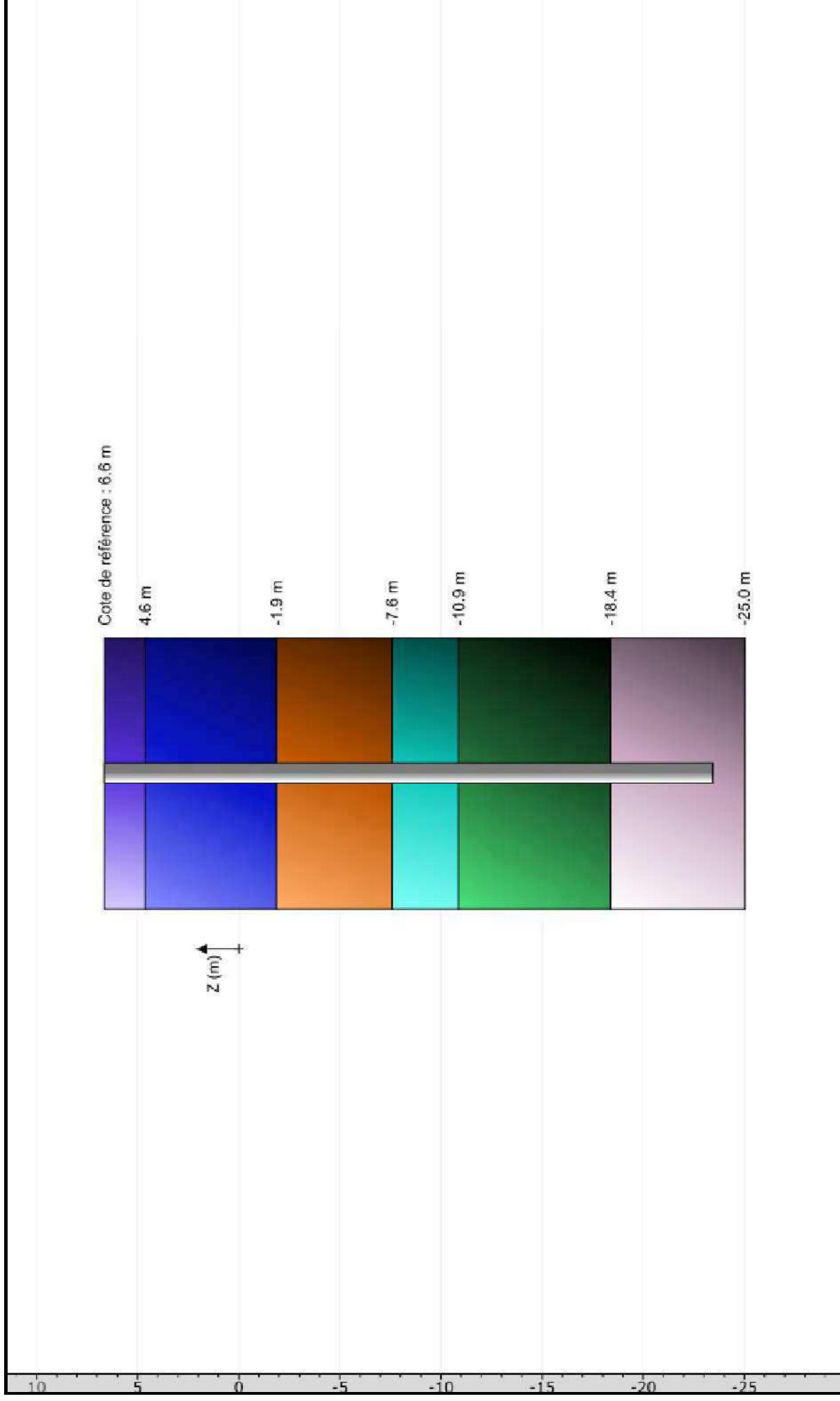


FoXta v3  
v3.3.6

Imprimé le : 06/09/2022 - 12:24:37  
Calcul réalisé par : MAGMA CARAIBES

Projet : SP3\_compression  
Module : Fondprof (Pieu 1/1)

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 12h23  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.600

Section du pieu : 0.665  
Périmètre : 2.890

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.60   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -1.90  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -7.60  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 04     | -10.90 | 1400.0 | 66.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.40 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -25.00 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.60 | 0.00 | 460.0 | 1.000 | 0.0 | 305.8 | 110.0  | 134.4    | 219.7    | 241.7   |
| 01     | 6.40 | 0.00 | 460.0 | 1.013 | 0.0 | 309.8 | 111.4  | 136.2    | 222.6    | 244.9   |
| 01     | 6.20 | 0.00 | 460.0 | 1.026 | 0.0 | 313.8 | 112.9  | 137.9    | 225.5    | 248.0   |
| 01     | 6.00 | 0.00 | 451.5 | 1.040 | 0.0 | 312.1 | 112.3  | 137.2    | 224.3    | 246.7   |
| 01     | 5.80 | 0.00 | 434.5 | 1.055 | 0.0 | 304.8 | 109.6  | 134.0    | 219.0    | 240.9   |
| 01     | 5.60 | 0.00 | 417.5 | 1.072 | 0.0 | 297.5 | 107.0  | 130.8    | 213.8    | 235.2   |
| 01     | 5.40 | 0.00 | 400.5 | 1.090 | 0.0 | 290.2 | 104.4  | 127.5    | 208.5    | 229.4   |
| 01     | 5.20 | 0.00 | 383.5 | 1.110 | 0.0 | 282.9 | 101.7  | 124.3    | 203.3    | 223.6   |
| 01     | 5.00 | 0.00 | 366.5 | 1.131 | 0.0 | 275.5 | 99.1   | 121.1    | 198.0    | 217.8   |
| 01     | 4.80 | 0.00 | 349.5 | 1.155 | 0.0 | 268.2 | 96.5   | 117.9    | 192.7    | 212.0   |
| 01     | 4.60 | 0.00 | 332.5 | 1.180 | 0.0 | 260.9 | 93.8   | 114.7    | 187.5    | 206.3   |
| 01     | 4.60 | 0.00 | 332.5 | 1.180 | 0.0 | 260.9 | 93.8   | 114.7    | 187.5    | 206.3   |
| 02     | 4.60 | 0.00 | 290.0 | 1.207 | 0.0 | 232.7 | 83.7   | 102.3    | 167.2    | 183.9   |
| 02     | 4.40 | 0.00 | 290.0 | 1.220 | 0.0 | 235.2 | 84.6   | 103.4    | 169.0    | 185.9   |
| 02     | 4.20 | 0.00 | 290.0 | 1.233 | 0.0 | 237.7 | 85.5   | 104.5    | 170.8    | 187.9   |
| 02     | 4.00 | 0.00 | 290.0 | 1.246 | 0.0 | 240.2 | 86.4   | 105.6    | 172.6    | 189.9   |
| 02     | 3.80 | 0.00 | 290.0 | 1.259 | 0.0 | 242.7 | 87.3   | 106.7    | 174.4    | 191.9   |
| 02     | 3.60 | 0.00 | 290.0 | 1.272 | 0.0 | 245.2 | 88.2   | 107.8    | 176.2    | 193.9   |
| 02     | 3.40 | 0.00 | 290.0 | 1.285 | 0.0 | 247.8 | 89.1   | 108.9    | 178.0    | 195.9   |

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.20   | 0.00   | 290.0  | 1.298 | 0.0    | 250.3  | 90.0   | 110.0  | 179.8  | 197.8  |
| 02 | 3.00   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.80   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.60   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.40   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.20   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.00   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.80   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.60   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.40   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.20   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.00   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 0.80   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 0.60   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 0.40   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 0.20   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 0.00   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | -0.20  | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | -0.40  | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | -0.60  | 0.00   | 350.0  | 1.300 | 0.0    | 302.5  | 108.8  | 132.9  | 217.3  | 239.1  |
| 02 | -0.80  | 0.00   | 410.0  | 1.300 | 0.0    | 354.3  | 127.4  | 155.7  | 254.6  | 280.1  |
| 02 | -1.00  | 0.00   | 470.0  | 1.300 | 0.0    | 406.2  | 146.1  | 178.5  | 291.9  | 321.1  |
| 02 | -1.20  | 0.00   | 530.0  | 1.300 | 0.0    | 458.0  | 164.7  | 201.3  | 329.1  | 362.1  |
| 02 | -1.40  | 0.00   | 590.0  | 1.294 | 0.0    | 507.5  | 182.6  | 223.1  | 364.7  | 401.2  |
| 02 | -1.60  | 0.00   | 650.0  | 1.273 | 0.0    | 549.9  | 197.8  | 241.7  | 395.2  | 434.7  |
| 02 | -1.80  | 0.00   | 710.0  | 1.255 | 0.0    | 592.3  | 213.1  | 260.3  | 425.6  | 468.2  |
| 02 | -1.90  | 0.00   | 740.0  | 1.247 | 0.0    | 613.5  | 220.7  | 269.7  | 440.9  | 485.0  |
| 03 | -1.90  | 61.00  | 890.0  | 1.206 | 0.0    | 713.2  | 256.5  | 313.5  | 512.5  | 563.8  |
| 03 | -2.10  | 61.00  | 890.0  | 1.219 | 35.3   | 721.0  | 277.0  | 338.6  | 543.4  | 597.8  |
| 03 | -2.30  | 61.00  | 890.0  | 1.232 | 70.5   | 728.7  | 297.6  | 363.6  | 574.3  | 631.8  |
| 03 | -2.50  | 61.00  | 890.0  | 1.245 | 105.8  | 736.4  | 318.1  | 388.7  | 605.2  | 665.8  |
| 03 | -2.70  | 61.00  | 890.0  | 1.254 | 141.0  | 742.1  | 337.8  | 412.9  | 634.6  | 698.2  |
| 03 | -2.90  | 61.00  | 890.0  | 1.261 | 176.3  | 745.8  | 356.9  | 436.3  | 662.6  | 729.0  |
| 03 | -3.10  | 61.00  | 890.0  | 1.267 | 211.6  | 749.6  | 376.0  | 459.6  | 690.7  | 759.8  |
| 03 | -3.30  | 61.00  | 890.0  | 1.273 | 246.8  | 753.3  | 395.0  | 482.9  | 718.7  | 790.6  |
| 03 | -3.50  | 61.00  | 890.0  | 1.280 | 282.1  | 757.0  | 414.1  | 506.2  | 746.7  | 821.4  |
| 03 | -3.70  | 61.00  | 890.0  | 1.286 | 317.4  | 760.8  | 433.2  | 529.6  | 774.7  | 852.3  |
| 03 | -3.90  | 61.00  | 890.0  | 1.292 | 352.6  | 764.5  | 452.3  | 552.9  | 802.7  | 883.1  |
| 03 | -4.10  | 61.00  | 890.0  | 1.298 | 387.9  | 768.2  | 471.3  | 576.2  | 830.7  | 913.9  |
| 03 | -4.30  | 61.00  | 890.0  | 1.300 | 423.1  | 769.1  | 489.4  | 598.3  | 856.7  | 942.5  |
| 03 | -4.50  | 61.00  | 890.0  | 1.300 | 458.4  | 769.1  | 507.1  | 620.0  | 882.1  | 970.4  |
| 03 | -4.70  | 61.00  | 890.0  | 1.300 | 493.7  | 769.1  | 524.8  | 641.7  | 907.4  | 998.2  |
| 03 | -4.90  | 61.00  | 890.0  | 1.300 | 528.9  | 769.1  | 542.6  | 663.3  | 932.7  | 1026.1 |
| 03 | -5.10  | 61.00  | 890.0  | 1.300 | 564.2  | 769.1  | 560.3  | 685.0  | 958.1  | 1054.0 |
| 03 | -5.30  | 61.00  | 890.0  | 1.300 | 599.4  | 769.1  | 578.0  | 706.7  | 983.4  | 1081.9 |
| 03 | -5.50  | 61.00  | 890.0  | 1.300 | 634.7  | 769.1  | 595.8  | 728.4  | 1008.8 | 1109.7 |
| 03 | -5.70  | 61.00  | 890.0  | 1.300 | 670.0  | 769.1  | 613.5  | 750.1  | 1034.1 | 1137.6 |
| 03 | -5.90  | 61.00  | 890.0  | 1.300 | 705.2  | 769.1  | 631.2  | 771.8  | 1059.4 | 1165.5 |
| 03 | -6.10  | 61.00  | 890.0  | 1.300 | 740.5  | 769.1  | 648.9  | 793.5  | 1084.8 | 1193.4 |
| 03 | -6.30  | 61.00  | 941.0  | 1.300 | 775.7  | 813.2  | 682.5  | 834.5  | 1141.8 | 1256.1 |
| 03 | -6.50  | 61.00  | 992.0  | 1.300 | 811.0  | 857.3  | 716.1  | 875.6  | 1198.8 | 1318.8 |
| 03 | -6.70  | 61.00  | 1043.0 | 1.300 | 846.3  | 901.3  | 749.7  | 916.6  | 1255.8 | 1381.5 |
| 03 | -6.90  | 61.00  | 1094.0 | 1.300 | 881.5  | 945.4  | 783.3  | 957.7  | 1312.8 | 1444.2 |
| 03 | -7.10  | 61.00  | 1145.0 | 1.300 | 916.8  | 989.5  | 816.8  | 998.8  | 1369.8 | 1506.9 |
| 03 | -7.30  | 61.00  | 1196.0 | 1.300 | 952.1  | 1033.6 | 850.4  | 1039.8 | 1426.8 | 1569.7 |
| 03 | -7.50  | 61.00  | 1247.0 | 1.300 | 987.3  | 1077.6 | 884.0  | 1080.9 | 1483.8 | 1632.4 |
| 03 | -7.60  | 61.00  | 1272.5 | 1.300 | 1004.9 | 1099.7 | 900.8  | 1101.4 | 1512.3 | 1663.7 |
| 04 | -7.60  | 66.00  | 1400.0 | 1.284 | 1004.9 | 1194.6 | 934.9  | 1143.1 | 1580.5 | 1738.8 |
| 04 | -7.80  | 66.00  | 1400.0 | 1.294 | 1043.1 | 1204.2 | 957.6  | 1170.8 | 1614.9 | 1776.5 |
| 04 | -8.00  | 66.00  | 1400.0 | 1.300 | 1081.2 | 1209.9 | 978.8  | 1196.8 | 1646.3 | 1811.2 |
| 04 | -8.20  | 66.00  | 1400.0 | 1.300 | 1119.4 | 1209.9 | 998.0  | 1220.2 | 1673.8 | 1841.3 |
| 04 | -8.40  | 66.00  | 1400.0 | 1.300 | 1157.6 | 1209.9 | 1017.1 | 1243.7 | 1701.2 | 1871.5 |
| 04 | -8.60  | 66.00  | 1400.0 | 1.300 | 1195.7 | 1209.9 | 1036.3 | 1267.1 | 1728.6 | 1901.6 |
| 04 | -8.80  | 66.00  | 1400.0 | 1.300 | 1233.9 | 1209.9 | 1055.5 | 1290.6 | 1756.0 | 1931.8 |
| 04 | -9.00  | 66.00  | 1400.0 | 1.300 | 1272.0 | 1209.9 | 1074.7 | 1314.1 | 1783.4 | 1962.0 |
| 04 | -9.20  | 66.00  | 1400.0 | 1.300 | 1310.2 | 1209.9 | 1093.9 | 1337.5 | 1810.8 | 1992.1 |
| 04 | -9.40  | 66.00  | 1400.0 | 1.300 | 1348.3 | 1209.9 | 1113.1 | 1361.0 | 1838.2 | 2022.3 |
| 04 | -9.60  | 66.00  | 1532.0 | 1.300 | 1386.5 | 1323.9 | 1173.3 | 1434.6 | 1947.6 | 2142.6 |
| 04 | -9.80  | 66.00  | 1664.0 | 1.300 | 1424.6 | 1438.0 | 1233.5 | 1508.2 | 2057.0 | 2262.9 |
| 04 | -10.00 | 66.00  | 1796.0 | 1.300 | 1462.8 | 1552.1 | 1293.7 | 1581.8 | 2166.4 | 2383.3 |
| 04 | -10.20 | 66.00  | 1928.0 | 1.300 | 1500.9 | 1666.2 | 1353.9 | 1655.4 | 2275.8 | 2503.6 |
| 04 | -10.40 | 66.00  | 2060.0 | 1.291 | 1539.1 | 1768.1 | 1409.7 | 1723.7 | 2376.4 | 2614.4 |
| 04 | -10.60 | 66.00  | 2192.0 | 1.280 | 1577.2 | 1865.5 | 1464.0 | 1789.9 | 2473.8 | 2721.5 |
| 04 | -10.80 | 66.00  | 2324.0 | 1.271 | 1615.4 | 1962.8 | 1518.2 | 1856.2 | 2571.2 | 2828.6 |
| 04 | -10.90 | 66.00  | 2390.0 | 1.266 | 1634.4 | 2011.5 | 1545.3 | 1889.3 | 2619.9 | 2882.2 |
| 05 | -10.90 | 171.00 | 2720.0 | 1.779 | 1634.4 | 3217.3 | 1979.0 | 2419.3 | 3486.4 | 3835.4 |
| 05 | -11.10 | 171.00 | 2720.0 | 1.818 | 1733.3 | 3287.5 | 2053.9 | 2511.0 | 3607.8 | 3969.0 |
| 05 | -11.30 | 171.00 | 2720.0 | 1.847 | 1832.1 | 3340.4 | 2122.6 | 2595.0 | 3716.9 | 4089.0 |
| 05 | -11.50 | 171.00 | 2720.0 | 1.877 | 1931.0 | 3393.3 | 2191.4 | 2679.0 | 3825.9 | 4208.9 |
| 05 | -11.70 | 171.00 | 2720.0 | 1.906 | 2029.8 | 3446.2 | 2260.1 | 2763.1 | 3935.0 | 4328.9 |
| 05 | -11.90 | 171.00 | 2720.0 | 1.935 | 2128.7 | 3499.1 | 2328.8 | 2847.1 | 4044.0 | 4448.8 |
| 05 | -12.10 | 171.00 | 2720.0 | 1.964 | 2227.5 | 3552.0 | 2397.5 | 2931.2 | 4153.0 | 4568.8 |
| 05 | -12.30 | 171.00 | 2720.0 | 1.994 | 2326.4 | 3604.9 | 2466.2 | 3015.2 | 4262.1 | 4688.7 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 2425.2 | 3616.3 | 2520.0 | 3081.0 | 4341.3 | 4775.9 |
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 2524.1 | 3616.3 | 2569.7 | 3141.8 | 4412.3 | 4854.0 |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 2622.9 | 3616.3 | 2619.4 | 3202.6 | 4483.4 | 4932.2 |

|    |        |        |        |       |        |        |        |        |         |         |
|----|--------|--------|--------|-------|--------|--------|--------|--------|---------|---------|
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 2721.8 | 3616.3 | 2669.1 | 3263.4 | 4554.4  | 5010.3  |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 2820.6 | 3616.3 | 2718.8 | 3324.2 | 4625.4  | 5088.5  |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 2919.5 | 3616.3 | 2768.5 | 3385.0 | 4696.4  | 5166.6  |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 3018.3 | 3616.3 | 2818.2 | 3445.8 | 4767.5  | 5244.7  |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 3117.2 | 3616.3 | 2867.9 | 3506.6 | 4838.5  | 5322.9  |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 3216.0 | 3616.3 | 2917.6 | 3567.4 | 4909.5  | 5401.0  |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 3314.8 | 3616.3 | 2967.3 | 3628.2 | 4980.6  | 5479.2  |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 3413.7 | 3616.3 | 3017.0 | 3688.9 | 5051.6  | 5557.3  |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 3512.5 | 3616.3 | 3066.7 | 3749.7 | 5122.6  | 5635.4  |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 3611.4 | 3616.3 | 3116.4 | 3810.5 | 5193.7  | 5713.6  |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 3710.2 | 3616.3 | 3166.1 | 3871.3 | 5264.7  | 5791.7  |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 3809.1 | 3616.3 | 3215.8 | 3932.1 | 5335.7  | 5869.9  |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 3907.9 | 3616.3 | 3265.5 | 3992.9 | 5406.7  | 5948.0  |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 4006.8 | 3616.3 | 3315.2 | 4053.7 | 5477.8  | 6026.1  |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 4105.6 | 3616.3 | 3364.9 | 4114.5 | 5548.8  | 6104.3  |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 4204.5 | 3616.3 | 3414.6 | 4175.3 | 5619.8  | 6182.4  |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 4303.3 | 3616.3 | 3464.3 | 4236.1 | 5690.9  | 6260.6  |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 4402.2 | 3616.3 | 3514.0 | 4296.9 | 5761.9  | 6338.7  |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 4501.0 | 3616.3 | 3563.7 | 4357.7 | 5832.9  | 6416.8  |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 4599.9 | 3616.3 | 3613.4 | 4418.5 | 5903.9  | 6495.0  |
| 05 | -17.10 | 171.00 | 2881.0 | 2.000 | 4698.7 | 3830.4 | 3740.1 | 4573.3 | 6128.8  | 6742.3  |
| 05 | -17.30 | 171.00 | 3042.0 | 2.000 | 4797.6 | 4044.4 | 3866.8 | 4728.2 | 6353.6  | 6989.7  |
| 05 | -17.50 | 171.00 | 3203.0 | 2.000 | 4896.4 | 4258.5 | 3993.4 | 4883.1 | 6578.5  | 7237.0  |
| 05 | -17.70 | 171.00 | 3364.0 | 2.000 | 4995.2 | 4472.5 | 4120.1 | 5038.0 | 6803.3  | 7484.4  |
| 05 | -17.90 | 171.00 | 3525.0 | 2.000 | 5094.1 | 4686.6 | 4246.8 | 5192.8 | 7028.2  | 7731.7  |
| 05 | -18.10 | 171.00 | 3686.0 | 2.000 | 5192.9 | 4900.6 | 4373.5 | 5347.7 | 7253.0  | 7979.1  |
| 05 | -18.30 | 171.00 | 3847.0 | 2.000 | 5291.8 | 5114.7 | 4500.2 | 5502.6 | 7477.8  | 8226.4  |
| 05 | -18.40 | 171.00 | 3927.5 | 2.000 | 5341.2 | 5221.7 | 4563.5 | 5580.0 | 7590.3  | 8350.1  |
| 06 | -18.40 | 197.00 | 4330.0 | 2.000 | 5341.2 | 5756.8 | 4756.0 | 5815.2 | 7974.8  | 8773.2  |
| 06 | -18.60 | 197.00 | 4330.0 | 2.000 | 5455.1 | 5756.8 | 4813.3 | 5885.3 | 8056.6  | 8863.2  |
| 06 | -18.80 | 197.00 | 4330.0 | 2.000 | 5569.0 | 5756.8 | 4870.5 | 5955.3 | 8138.5  | 8953.2  |
| 06 | -19.00 | 197.00 | 4330.0 | 2.000 | 5682.8 | 5756.8 | 4927.8 | 6025.3 | 8220.3  | 9043.2  |
| 06 | -19.20 | 197.00 | 4330.0 | 2.000 | 5796.7 | 5756.8 | 4985.0 | 6095.4 | 8302.1  | 9133.2  |
| 06 | -19.40 | 197.00 | 4330.0 | 2.000 | 5910.6 | 5756.8 | 5042.3 | 6165.4 | 8383.9  | 9223.3  |
| 06 | -19.60 | 197.00 | 4330.0 | 2.000 | 6024.5 | 5756.8 | 5099.5 | 6235.4 | 8465.8  | 9313.3  |
| 06 | -19.80 | 197.00 | 4330.0 | 2.000 | 6138.3 | 5756.8 | 5156.8 | 6305.5 | 8547.6  | 9403.3  |
| 06 | -20.00 | 197.00 | 4330.0 | 2.000 | 6252.2 | 5756.8 | 5214.0 | 6375.5 | 8629.4  | 9493.3  |
| 06 | -20.20 | 197.00 | 4330.0 | 2.000 | 6366.1 | 5756.8 | 5271.3 | 6445.6 | 8711.3  | 9583.3  |
| 06 | -20.40 | 197.00 | 4330.0 | 2.000 | 6480.0 | 5756.8 | 5328.6 | 6515.6 | 8793.1  | 9673.4  |
| 06 | -20.60 | 197.00 | 4330.0 | 2.000 | 6593.9 | 5756.8 | 5385.8 | 6585.6 | 8874.9  | 9763.4  |
| 06 | -20.80 | 197.00 | 4330.0 | 2.000 | 6707.7 | 5756.8 | 5443.1 | 6655.7 | 8956.7  | 9853.4  |
| 06 | -21.00 | 197.00 | 4330.0 | 2.000 | 6821.6 | 5756.8 | 5500.3 | 6725.7 | 9038.6  | 9943.4  |
| 06 | -21.20 | 197.00 | 4330.0 | 2.000 | 6935.5 | 5756.8 | 5557.6 | 6795.7 | 9120.4  | 10033.4 |
| 06 | -21.40 | 197.00 | 4330.0 | 2.000 | 7049.4 | 5756.8 | 5614.8 | 6865.8 | 9202.2  | 10123.5 |
| 06 | -21.60 | 197.00 | 4330.0 | 2.000 | 7163.2 | 5756.8 | 5672.1 | 6935.8 | 9284.1  | 10213.5 |
| 06 | -21.80 | 197.00 | 4330.0 | 2.000 | 7277.1 | 5756.8 | 5729.3 | 7005.8 | 9365.9  | 10303.5 |
| 06 | -22.00 | 197.00 | 4330.0 | 2.000 | 7391.0 | 5756.8 | 5786.6 | 7075.9 | 9447.7  | 10393.5 |
| 06 | -22.20 | 197.00 | 4330.0 | 2.000 | 7504.9 | 5756.8 | 5843.8 | 7145.9 | 9529.5  | 10483.6 |
| 06 | -22.40 | 197.00 | 4330.0 | 2.000 | 7618.7 | 5756.8 | 5901.1 | 7216.0 | 9611.4  | 10573.6 |
| 06 | -22.60 | 197.00 | 4330.0 | 2.000 | 7732.6 | 5756.8 | 5958.3 | 7286.0 | 9693.2  | 10663.6 |
| 06 | -22.80 | 197.00 | 4330.0 | 2.000 | 7846.5 | 5756.8 | 6015.6 | 7356.0 | 9775.0  | 10753.6 |
| 06 | -23.00 | 197.00 | 4330.0 | 2.000 | 7960.4 | 5756.8 | 6072.8 | 7426.1 | 9856.9  | 10843.6 |
| 06 | -23.20 | 197.00 | 4330.0 | 2.000 | 8074.2 | 5756.8 | 6130.1 | 7496.1 | 9938.7  | 10933.7 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 8188.1 | 5756.8 | 6187.4 | 7566.1 | 10020.5 | 11023.7 |
| 06 | -23.40 | 197.00 | 4330.0 | 2.000 | 8188.1 | 5756.8 | 6187.4 | 7566.1 | 10020.5 | 11023.7 |

# Capacité du pieu pour chaque combinaison en fonction de la profondeur





**ANNEXE 23**

**RESULTATS DES CALCULS FOXTA**

**PIEUX FORES A LA TARIERE CREUSE**

**SONDAGE SP4**

- Pieux  $\Phi$  620 en compression
- Pieux  $\Phi$  720 en compression
- Pieux  $\Phi$  820 en compression
- Pieux  $\Phi$  920 en compression

# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP4  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,62  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

## Combinaisons

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0,636  | 0,778     | 0,909    | 1,000   |
| Pondérations combinées sur Qp.k | 0,455  | 0,556     | 0,909    | 1,000   |

Cote de référence (m) : 6,80

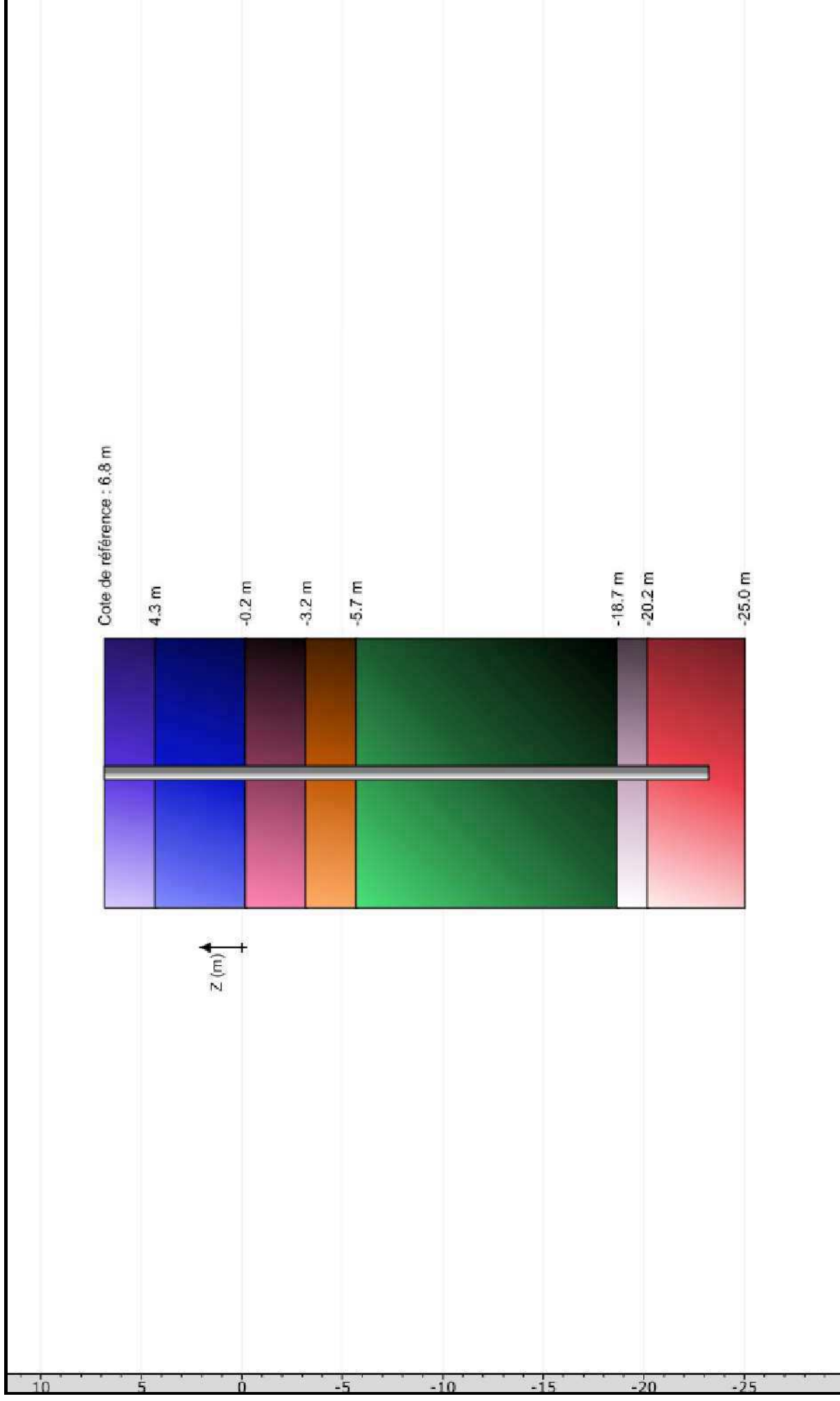
## Définition des couches de sol

| No | Nom                                   | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | γR,d1*γR,d2 |
|----|---------------------------------------|---------|-----------------------------|--------|---------|--------|-------|-------------|
| 1  | Remblais                              |         | Argile, limons              | 4,30   | 460,00  | 0,00   | 1,30  | 1,265       |
| 2  | Alluvions                             |         | Argile, limons              | -0,20  | 290,00  | 0,00   | 1,30  | 1,265       |
| 3  | Argile d'altération                   |         | Argile, limons              | -3,20  | 600,00  | 55,00  | 1,30  | 1,265       |
| 4  | Lave altérée argilisée raide          |         | Argile, limons              | -5,70  | 890,00  | 61,00  | 1,30  | 1,265       |
| 5  | Lave altérée argilisée très raide     |         | Roche altérée et fragmentée | -18,70 | 2720,00 | 171,00 | 2,00  | 1,265       |
| 6  | Lave altérée +/- argilisée très raide |         | Roche altérée et fragmentée | -20,20 | 4330,00 | 197,00 | 2,00  | 1,265       |
| 7  | Lave +/- altérée aspect rocheux       |         | Roche altérée et fragmentée | -25,00 | 5000,00 | 200,00 | 2,00  | 1,265       |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 13h09  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.800

Section du pieu : 0.302  
Périmètre : 1.948

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.30   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -0.20  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -3.20  | 600.0  | 55.00  | 1.00  | 1.30  | 1.26  |
| 04     | -5.70  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.70 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -20.20 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |
| 07     | -25.00 | 5000.0 | 200.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.80 | 0.00 | 460.0 | 1.000 | 0.0 | 138.9 | 50.0   | 61.0     | 99.8     | 109.8   |
| 01     | 6.60 | 0.00 | 460.0 | 1.019 | 0.0 | 141.6 | 50.9   | 62.2     | 101.7    | 111.9   |
| 01     | 6.40 | 0.00 | 460.0 | 1.039 | 0.0 | 144.3 | 51.9   | 63.4     | 103.7    | 114.0   |
| 01     | 6.20 | 0.00 | 460.0 | 1.058 | 0.0 | 146.9 | 52.9   | 64.6     | 105.6    | 116.2   |
| 01     | 6.00 | 0.00 | 460.0 | 1.077 | 0.0 | 149.6 | 53.8   | 65.8     | 107.5    | 118.3   |
| 01     | 5.80 | 0.00 | 460.0 | 1.097 | 0.0 | 152.3 | 54.8   | 66.9     | 109.5    | 120.4   |
| 01     | 5.60 | 0.00 | 443.0 | 1.121 | 0.0 | 149.9 | 53.9   | 65.9     | 107.7    | 118.5   |
| 01     | 5.40 | 0.00 | 426.0 | 1.146 | 0.0 | 147.4 | 53.0   | 64.8     | 105.9    | 116.5   |
| 01     | 5.20 | 0.00 | 409.0 | 1.174 | 0.0 | 145.0 | 52.1   | 63.7     | 104.2    | 114.6   |
| 01     | 5.00 | 0.00 | 392.0 | 1.204 | 0.0 | 142.5 | 51.3   | 62.6     | 102.4    | 112.7   |
| 01     | 4.80 | 0.00 | 375.0 | 1.237 | 0.0 | 140.1 | 50.4   | 61.6     | 100.7    | 110.7   |
| 01     | 4.60 | 0.00 | 358.0 | 1.274 | 0.0 | 137.7 | 49.5   | 60.5     | 98.9     | 108.8   |
| 01     | 4.40 | 0.00 | 341.0 | 1.300 | 0.0 | 133.8 | 48.1   | 58.8     | 96.2     | 105.8   |
| 01     | 4.30 | 0.00 | 332.5 | 1.300 | 0.0 | 130.5 | 46.9   | 57.4     | 93.8     | 103.2   |
| 02     | 4.30 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 4.10 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 3.90 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |
| 02     | 3.70 | 0.00 | 290.0 | 1.300 | 0.0 | 113.8 | 40.9   | 50.0     | 81.8     | 90.0    |



**FoXta v3**  
v3.3.6

Imprimé le : 06/09/2022 - 13:09:31  
 Calcul réalisé par : MAGMA CARAIBES  
 Projet : SP4\_compression  
 Module : Fondprof (Pieu 1/1)

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.50   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 3.30   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 3.10   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.90   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.70   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.50   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.30   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 2.10   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.90   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.70   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.50   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.30   | 0.00   | 290.0  | 1.300 | 0.0    | 113.8  | 40.9   | 50.0   | 81.8   | 90.0   |
| 02 | 1.10   | 0.00   | 321.0  | 1.300 | 0.0    | 126.0  | 45.3   | 55.4   | 90.5   | 99.6   |
| 02 | 0.90   | 0.00   | 352.0  | 1.300 | 0.0    | 138.2  | 49.7   | 60.7   | 99.3   | 109.2  |
| 02 | 0.70   | 0.00   | 383.0  | 1.300 | 0.0    | 150.3  | 54.1   | 66.1   | 108.0  | 118.8  |
| 02 | 0.50   | 0.00   | 414.0  | 1.300 | 0.0    | 162.5  | 58.4   | 71.4   | 116.8  | 128.4  |
| 02 | 0.30   | 0.00   | 445.0  | 1.300 | 0.0    | 174.7  | 62.8   | 76.8   | 125.5  | 138.1  |
| 02 | 0.10   | 0.00   | 476.0  | 1.300 | 0.0    | 186.8  | 67.2   | 82.1   | 134.2  | 147.7  |
| 02 | -0.10  | 0.00   | 507.0  | 1.300 | 0.0    | 199.0  | 71.6   | 87.5   | 143.0  | 157.3  |
| 02 | -0.20  | 0.00   | 522.5  | 1.300 | 0.0    | 205.1  | 73.8   | 90.1   | 147.4  | 162.1  |
| 03 | -0.20  | 55.00  | 600.0  | 1.300 | 0.0    | 235.5  | 84.7   | 103.5  | 169.2  | 186.2  |
| 03 | -0.40  | 55.00  | 600.0  | 1.300 | 21.4   | 235.5  | 95.5   | 116.7  | 184.6  | 203.1  |
| 03 | -0.60  | 55.00  | 600.0  | 1.300 | 42.9   | 235.5  | 106.2  | 129.9  | 200.0  | 220.0  |
| 03 | -0.80  | 55.00  | 600.0  | 1.300 | 64.3   | 235.5  | 117.0  | 143.0  | 215.4  | 237.0  |
| 03 | -1.00  | 55.00  | 600.0  | 1.300 | 85.7   | 235.5  | 127.8  | 156.2  | 230.8  | 253.9  |
| 03 | -1.20  | 55.00  | 600.0  | 1.300 | 107.1  | 235.5  | 138.6  | 169.4  | 246.2  | 270.8  |
| 03 | -1.40  | 55.00  | 600.0  | 1.300 | 128.6  | 235.5  | 149.3  | 182.6  | 261.6  | 287.8  |
| 03 | -1.60  | 55.00  | 600.0  | 1.300 | 150.0  | 235.5  | 160.1  | 195.7  | 277.0  | 304.7  |
| 03 | -1.80  | 55.00  | 614.5  | 1.300 | 171.4  | 241.2  | 172.9  | 211.4  | 296.5  | 326.2  |
| 03 | -2.00  | 55.00  | 643.5  | 1.300 | 192.8  | 252.6  | 187.8  | 229.6  | 320.0  | 352.1  |
| 03 | -2.20  | 55.00  | 672.5  | 1.300 | 214.3  | 263.9  | 202.7  | 247.8  | 343.6  | 378.0  |
| 03 | -2.40  | 55.00  | 701.5  | 1.300 | 235.7  | 275.3  | 217.5  | 266.0  | 367.2  | 404.0  |
| 03 | -2.60  | 55.00  | 730.5  | 1.300 | 257.1  | 286.7  | 232.4  | 284.1  | 390.8  | 429.9  |
| 03 | -2.80  | 55.00  | 759.5  | 1.300 | 278.5  | 298.1  | 247.3  | 302.3  | 414.3  | 455.8  |
| 03 | -3.00  | 55.00  | 788.5  | 1.300 | 300.0  | 309.5  | 262.1  | 320.5  | 437.9  | 481.8  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 321.4  | 320.9  | 277.0  | 338.7  | 461.5  | 507.7  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 321.4  | 320.9  | 277.0  | 338.7  | 461.5  | 507.7  |
| 04 | -3.20  | 61.00  | 890.0  | 1.297 | 321.4  | 348.4  | 286.9  | 350.8  | 481.3  | 529.5  |
| 04 | -3.40  | 61.00  | 890.0  | 1.300 | 345.1  | 349.3  | 299.2  | 365.8  | 499.0  | 549.0  |
| 04 | -3.60  | 61.00  | 890.0  | 1.300 | 368.9  | 349.3  | 311.1  | 380.4  | 516.1  | 567.8  |
| 04 | -3.80  | 61.00  | 890.0  | 1.300 | 392.7  | 349.3  | 323.1  | 395.0  | 533.2  | 586.5  |
| 04 | -4.00  | 61.00  | 890.0  | 1.300 | 416.4  | 349.3  | 335.0  | 409.6  | 550.2  | 605.3  |
| 04 | -4.20  | 61.00  | 890.0  | 1.300 | 440.2  | 349.3  | 347.0  | 424.3  | 567.3  | 624.1  |
| 04 | -4.40  | 61.00  | 1073.0 | 1.300 | 464.0  | 421.1  | 384.7  | 470.4  | 636.0  | 699.7  |
| 04 | -4.60  | 61.00  | 1256.0 | 1.275 | 487.7  | 483.4  | 419.1  | 512.4  | 697.9  | 767.7  |
| 04 | -4.80  | 61.00  | 1439.0 | 1.248 | 511.5  | 542.2  | 452.2  | 552.9  | 757.2  | 833.0  |
| 04 | -5.00  | 61.00  | 1622.0 | 1.227 | 535.3  | 601.0  | 485.3  | 593.3  | 816.4  | 898.2  |
| 04 | -5.20  | 61.00  | 1805.0 | 1.211 | 559.0  | 659.7  | 518.3  | 633.8  | 875.7  | 963.4  |
| 04 | -5.40  | 61.00  | 1988.0 | 1.197 | 582.8  | 718.5  | 551.4  | 674.2  | 935.0  | 1028.6 |
| 04 | -5.60  | 61.00  | 2171.0 | 1.186 | 606.5  | 777.2  | 584.5  | 714.6  | 994.3  | 1093.9 |
| 04 | -5.70  | 61.00  | 2262.5 | 1.181 | 618.4  | 806.6  | 601.0  | 734.9  | 1024.0 | 1126.5 |
| 05 | -5.70  | 171.00 | 2720.0 | 1.501 | 618.4  | 1232.9 | 754.4  | 922.3  | 1330.4 | 1463.5 |
| 05 | -5.90  | 171.00 | 2720.0 | 1.559 | 685.0  | 1280.3 | 804.9  | 984.0  | 1412.2 | 1553.6 |
| 05 | -6.10  | 171.00 | 2720.0 | 1.617 | 751.7  | 1327.6 | 855.4  | 1045.8 | 1494.1 | 1643.7 |
| 05 | -6.30  | 171.00 | 2720.0 | 1.674 | 818.3  | 1374.9 | 905.9  | 1107.6 | 1576.0 | 1733.8 |
| 05 | -6.50  | 171.00 | 2720.0 | 1.728 | 884.9  | 1419.3 | 955.4  | 1168.0 | 1655.7 | 1821.5 |
| 05 | -6.70  | 171.00 | 2720.0 | 1.779 | 951.5  | 1460.5 | 1003.7 | 1227.1 | 1733.2 | 1906.8 |
| 05 | -6.90  | 171.00 | 2720.0 | 1.829 | 1018.1 | 1501.8 | 1052.1 | 1286.3 | 1810.8 | 1992.1 |
| 05 | -7.10  | 171.00 | 2720.0 | 1.879 | 1084.7 | 1543.1 | 1100.4 | 1345.4 | 1888.3 | 2077.4 |
| 05 | -7.30  | 171.00 | 2720.0 | 1.929 | 1151.3 | 1584.4 | 1148.7 | 1404.5 | 1965.9 | 2162.7 |
| 05 | -7.50  | 171.00 | 2720.0 | 1.980 | 1218.0 | 1625.7 | 1197.1 | 1463.6 | 2043.4 | 2248.0 |
| 05 | -7.70  | 171.00 | 2720.0 | 2.000 | 1284.6 | 1642.4 | 1236.6 | 1511.9 | 2103.2 | 2313.8 |
| 05 | -7.90  | 171.00 | 2720.0 | 2.000 | 1351.2 | 1642.4 | 1270.1 | 1552.9 | 2151.1 | 2366.4 |
| 05 | -8.10  | 171.00 | 2720.0 | 2.000 | 1417.8 | 1642.4 | 1303.6 | 1593.8 | 2199.0 | 2419.1 |
| 05 | -8.30  | 171.00 | 2720.0 | 2.000 | 1484.4 | 1642.4 | 1337.0 | 1634.8 | 2246.8 | 2471.8 |
| 05 | -8.50  | 171.00 | 2720.0 | 2.000 | 1551.0 | 1642.4 | 1370.5 | 1675.8 | 2294.7 | 2524.4 |
| 05 | -8.70  | 171.00 | 2720.0 | 2.000 | 1617.6 | 1642.4 | 1404.0 | 1716.7 | 2342.6 | 2577.1 |
| 05 | -8.90  | 171.00 | 2720.0 | 2.000 | 1684.3 | 1642.4 | 1437.5 | 1757.7 | 2390.4 | 2629.7 |
| 05 | -9.10  | 171.00 | 2720.0 | 2.000 | 1750.9 | 1642.4 | 1471.0 | 1798.7 | 2438.3 | 2682.4 |
| 05 | -9.30  | 171.00 | 2720.0 | 2.000 | 1817.5 | 1642.4 | 1504.5 | 1839.7 | 2486.2 | 2735.1 |
| 05 | -9.50  | 171.00 | 2720.0 | 2.000 | 1884.1 | 1642.4 | 1538.0 | 1880.6 | 2534.0 | 2787.7 |
| 05 | -9.70  | 171.00 | 2720.0 | 2.000 | 1950.7 | 1642.4 | 1571.5 | 1921.6 | 2581.9 | 2840.4 |
| 05 | -9.90  | 171.00 | 2720.0 | 2.000 | 2017.3 | 1642.4 | 1605.0 | 1962.6 | 2629.8 | 2893.0 |
| 05 | -10.10 | 171.00 | 2720.0 | 2.000 | 2083.9 | 1642.4 | 1638.5 | 2003.5 | 2677.6 | 2945.7 |
| 05 | -10.30 | 171.00 | 2720.0 | 2.000 | 2150.6 | 1642.4 | 1672.0 | 2044.5 | 2725.5 | 2998.4 |
| 05 | -10.50 | 171.00 | 2720.0 | 2.000 | 2217.2 | 1642.4 | 1705.5 | 2085.5 | 2773.4 | 3051.0 |
| 05 | -10.70 | 171.00 | 2720.0 | 2.000 | 2283.8 | 1642.4 | 1738.9 | 2126.4 | 2821.2 | 3103.7 |
| 05 | -10.90 | 171.00 | 2720.0 | 2.000 | 2350.4 | 1642.4 | 1772.4 | 2167.4 | 2869.1 | 3156.3 |
| 05 | -11.10 | 171.00 | 2720.0 | 2.000 | 2417.0 | 1642.4 | 1805.9 | 2208.4 | 2917.0 | 3209.0 |
| 05 | -11.30 | 171.00 | 2720.0 | 2.000 | 2483.6 | 1642.4 | 1839.4 | 2249.3 | 2964.8 | 3261.7 |
| 05 | -11.50 | 171.00 | 2720.0 | 2.000 | 2550.2 | 1642.4 | 1872.9 | 2290.3 | 3012.7 | 3314.3 |
| 05 | -11.70 | 171.00 | 2720.0 | 2.000 | 2616.9 | 1642.4 | 1906.4 | 2331.3 | 3060.6 | 3367.0 |
| 05 | -11.90 | 171.00 | 2720.0 | 2.000 | 2683.5 | 1642.4 | 1939.9 | 2372.3 | 3108.5 | 3419.6 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 2750.1 | 1642.4 | 1973.4 | 2413.2 | 3156.3 | 3472.3 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 2816.7 | 1642.4 | 2006.9 | 2454.2 | 3204.2 | 3525.0 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 2883.3 | 1642.4 | 2040.4 | 2495.2 | 3252.1 | 3577.6 |

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 2949.9 | 1642.4 | 2073.9 | 2536.1 | 3299.9 | 3630.3 |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 3016.5 | 1642.4 | 2107.4 | 2577.1 | 3347.8 | 3682.9 |
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 3083.2 | 1642.4 | 2140.8 | 2618.1 | 3395.7 | 3735.6 |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 3149.8 | 1642.4 | 2174.3 | 2659.0 | 3443.5 | 3788.3 |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 3216.4 | 1642.4 | 2207.8 | 2700.0 | 3491.4 | 3840.9 |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 3283.0 | 1642.4 | 2241.3 | 2741.0 | 3539.3 | 3893.6 |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 3349.6 | 1642.4 | 2274.8 | 2781.9 | 3587.1 | 3946.2 |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 3416.2 | 1642.4 | 2308.3 | 2822.9 | 3635.0 | 3998.9 |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 3482.8 | 1642.4 | 2341.8 | 2863.9 | 3682.9 | 4051.6 |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 3549.5 | 1642.4 | 2375.3 | 2904.8 | 3730.7 | 4104.2 |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 3616.1 | 1642.4 | 2408.8 | 2945.8 | 3778.6 | 4156.9 |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 3682.7 | 1642.4 | 2442.3 | 2986.8 | 3826.5 | 4209.5 |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 3749.3 | 1642.4 | 2475.8 | 3027.8 | 3874.3 | 4262.2 |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 3815.9 | 1642.4 | 2509.2 | 3068.7 | 3922.2 | 4314.8 |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 3882.5 | 1642.4 | 2542.7 | 3109.7 | 3970.1 | 4367.5 |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 3949.1 | 1642.4 | 2576.2 | 3150.7 | 4017.9 | 4420.2 |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 4015.8 | 1642.4 | 2609.7 | 3191.6 | 4065.8 | 4472.8 |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 4082.4 | 1642.4 | 2643.2 | 3232.6 | 4113.7 | 4525.5 |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 4149.0 | 1642.4 | 2676.7 | 3273.6 | 4161.5 | 4578.1 |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 4215.6 | 1642.4 | 2710.2 | 3314.5 | 4209.4 | 4630.8 |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 4282.2 | 1642.4 | 2743.7 | 3355.5 | 4257.3 | 4683.5 |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 4348.8 | 1642.4 | 2777.2 | 3396.5 | 4305.1 | 4736.1 |
| 05 | -17.10 | 171.00 | 2720.0 | 2.000 | 4415.4 | 1642.4 | 2810.7 | 3437.4 | 4353.0 | 4788.8 |
| 05 | -17.30 | 171.00 | 2800.5 | 2.000 | 4482.1 | 1691.0 | 2861.6 | 3499.8 | 4435.8 | 4879.9 |
| 05 | -17.50 | 171.00 | 2961.5 | 2.000 | 4548.7 | 1788.2 | 2930.1 | 3583.5 | 4553.5 | 5009.4 |
| 05 | -17.70 | 171.00 | 3122.5 | 2.000 | 4615.3 | 1885.4 | 2998.6 | 3667.2 | 4671.2 | 5138.9 |
| 05 | -17.90 | 171.00 | 3283.5 | 2.000 | 4681.9 | 1982.6 | 3067.0 | 3750.9 | 4789.0 | 5268.4 |
| 05 | -18.10 | 171.00 | 3444.5 | 2.000 | 4748.5 | 2079.8 | 3135.5 | 3834.6 | 4906.7 | 5397.9 |
| 05 | -18.30 | 171.00 | 3605.5 | 2.000 | 4815.1 | 2177.1 | 3203.9 | 3918.3 | 5024.4 | 5527.4 |
| 05 | -18.50 | 171.00 | 3766.5 | 2.000 | 4881.7 | 2274.3 | 3272.4 | 4002.0 | 5142.1 | 5656.9 |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 4948.4 | 2371.5 | 3340.9 | 4085.7 | 5259.9 | 5786.4 |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 4948.4 | 2371.5 | 3340.9 | 4085.7 | 5259.9 | 5786.4 |
| 06 | -18.70 | 197.00 | 4330.0 | 2.000 | 4948.4 | 2614.5 | 3428.3 | 4192.5 | 5434.5 | 5978.6 |
| 06 | -18.90 | 197.00 | 4408.8 | 2.000 | 5025.1 | 2662.1 | 3484.0 | 4260.6 | 5523.9 | 6076.8 |
| 06 | -19.10 | 197.00 | 4471.1 | 2.000 | 5101.8 | 2699.7 | 3536.1 | 4324.3 | 5606.0 | 6167.2 |
| 06 | -19.30 | 197.00 | 4531.0 | 2.000 | 5178.6 | 2735.9 | 3587.7 | 4387.4 | 5687.2 | 6256.5 |
| 06 | -19.50 | 197.00 | 4598.0 | 2.000 | 5255.3 | 2776.3 | 3640.8 | 4452.4 | 5771.4 | 6349.1 |
| 06 | -19.70 | 197.00 | 4665.0 | 2.000 | 5332.1 | 2816.8 | 3693.9 | 4517.4 | 5855.6 | 6441.8 |
| 06 | -19.90 | 197.00 | 4732.0 | 2.000 | 5408.8 | 2857.2 | 3747.1 | 4582.4 | 5939.8 | 6534.4 |
| 06 | -20.10 | 197.00 | 4799.0 | 2.000 | 5485.6 | 2897.7 | 3800.2 | 4647.3 | 6024.0 | 6627.1 |
| 06 | -20.20 | 197.00 | 4832.5 | 2.000 | 5523.9 | 2917.9 | 3826.8 | 4679.8 | 6066.1 | 6673.4 |
| 07 | -20.20 | 200.00 | 5000.0 | 2.000 | 5523.9 | 3019.1 | 3863.2 | 4724.3 | 6138.8 | 6753.4 |
| 07 | -20.40 | 200.00 | 5000.0 | 2.000 | 5601.8 | 3019.1 | 3902.3 | 4772.2 | 6194.8 | 6814.9 |
| 07 | -20.60 | 200.00 | 5000.0 | 2.000 | 5679.7 | 3019.1 | 3941.5 | 4820.1 | 6250.8 | 6876.5 |
| 07 | -20.80 | 200.00 | 5000.0 | 2.000 | 5757.7 | 3019.1 | 3980.7 | 4868.0 | 6306.8 | 6938.1 |
| 07 | -21.00 | 200.00 | 5000.0 | 2.000 | 5835.6 | 3019.1 | 4019.8 | 4916.0 | 6362.7 | 6999.7 |
| 07 | -21.20 | 200.00 | 5000.0 | 2.000 | 5913.5 | 3019.1 | 4059.0 | 4963.9 | 6418.7 | 7061.3 |
| 07 | -21.40 | 200.00 | 5000.0 | 2.000 | 5991.4 | 3019.1 | 4098.2 | 5011.8 | 6474.7 | 7122.9 |
| 07 | -21.60 | 200.00 | 5000.0 | 2.000 | 6069.3 | 3019.1 | 4137.4 | 5059.7 | 6530.7 | 7184.5 |
| 07 | -21.80 | 200.00 | 5000.0 | 2.000 | 6147.2 | 3019.1 | 4176.5 | 5107.6 | 6586.7 | 7246.1 |
| 07 | -22.00 | 200.00 | 5000.0 | 2.000 | 6225.1 | 3019.1 | 4215.7 | 5155.5 | 6642.7 | 7307.7 |
| 07 | -22.20 | 200.00 | 5000.0 | 2.000 | 6303.0 | 3019.1 | 4254.9 | 5203.5 | 6698.7 | 7369.3 |
| 07 | -22.40 | 200.00 | 5000.0 | 2.000 | 6381.0 | 3019.1 | 4294.0 | 5251.4 | 6754.6 | 7430.8 |
| 07 | -22.60 | 200.00 | 5000.0 | 2.000 | 6458.9 | 3019.1 | 4333.2 | 5299.3 | 6810.6 | 7492.4 |
| 07 | -22.80 | 200.00 | 5000.0 | 2.000 | 6536.8 | 3019.1 | 4372.4 | 5347.2 | 6866.6 | 7554.0 |
| 07 | -23.00 | 200.00 | 5000.0 | 2.000 | 6614.7 | 3019.1 | 4411.6 | 5395.1 | 6922.6 | 7615.6 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 6692.6 | 3019.1 | 4450.7 | 5443.0 | 6978.6 | 7677.2 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 6692.6 | 3019.1 | 4450.7 | 5443.0 | 6978.6 | 7677.2 |



# Capacité du pieu pour chaque combinaison en fonction de la profondeur



# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP4  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,72  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

## Combinaisons

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0.636  | 0.778     | 0.909    | 1.000   |
| Pondérations combinées sur Qp.k | 0.455  | 0.556     | 0.909    | 1.000   |

Cote de référence (m) : 6,80

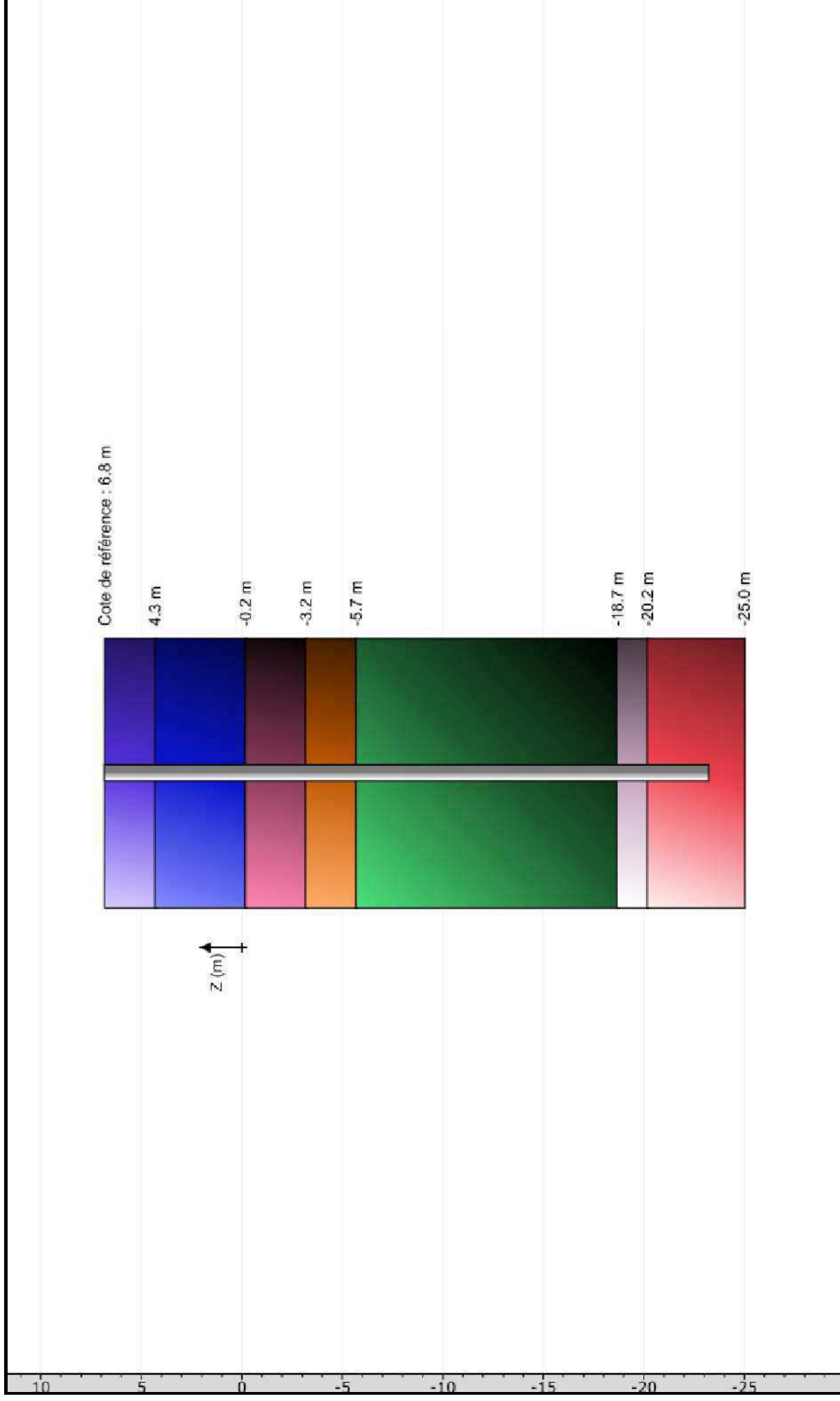
## Définition des couches de sol

| No | Nom                                   | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | yR,d1 | xYR,d2 |
|----|---------------------------------------|---------|-----------------------------|--------|---------|--------|-------|-------|--------|
| 1  | Remblais                              |         | Argile, limons              | 4,30   | 460,00  | 0,00   | 1,30  | 1,265 |        |
| 2  | Alluvions                             |         | Argile, limons              | -0,20  | 290,00  | 0,00   | 1,30  | 1,265 |        |
| 3  | Argile d'altération                   |         | Argile, limons              | -3,20  | 600,00  | 55,00  | 1,30  | 1,265 |        |
| 4  | Lave altérée argilisée raide          |         | Argile, limons              | -5,70  | 890,00  | 61,00  | 1,30  | 1,265 |        |
| 5  | Lave altérée argilisée très raide     |         | Roche altérée et fragmentée | -18,70 | 2720,00 | 171,00 | 2,00  | 1,265 |        |
| 6  | Lave altérée +/- argilisée très raide |         | Roche altérée et fragmentée | -20,20 | 4330,00 | 197,00 | 2,00  | 1,265 |        |
| 7  | Lave +/- altérée aspect rocheux       |         | Roche altérée et fragmentée | -25,00 | 5000,00 | 200,00 | 2,00  | 1,265 |        |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 13h09  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.800

Section du pieu : 0.407  
Périmètre : 2.262

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.30   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -0.20  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -3.20  | 600.0  | 55.00  | 1.00  | 1.30  | 1.26  |
| 04     | -5.70  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.70 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -20.20 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |
| 07     | -25.00 | 5000.0 | 200.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.80 | 0.00 | 460.0 | 1.000 | 0.0 | 187.3 | 67.4   | 82.3     | 134.6    | 148.1   |
| 01     | 6.60 | 0.00 | 460.0 | 1.017 | 0.0 | 190.4 | 68.5   | 83.7     | 136.8    | 150.5   |
| 01     | 6.40 | 0.00 | 460.0 | 1.033 | 0.0 | 193.5 | 69.6   | 85.1     | 139.1    | 153.0   |
| 01     | 6.20 | 0.00 | 460.0 | 1.050 | 0.0 | 196.7 | 70.7   | 86.4     | 141.3    | 155.5   |
| 01     | 6.00 | 0.00 | 460.0 | 1.067 | 0.0 | 199.8 | 71.9   | 87.8     | 143.6    | 157.9   |
| 01     | 5.80 | 0.00 | 460.0 | 1.083 | 0.0 | 202.9 | 73.0   | 89.2     | 145.8    | 160.4   |
| 01     | 5.60 | 0.00 | 443.0 | 1.104 | 0.0 | 199.1 | 71.6   | 87.5     | 143.1    | 157.4   |
| 01     | 5.40 | 0.00 | 426.0 | 1.126 | 0.0 | 195.3 | 70.2   | 85.8     | 140.3    | 154.4   |
| 01     | 5.20 | 0.00 | 409.0 | 1.150 | 0.0 | 191.5 | 68.9   | 84.2     | 137.6    | 151.4   |
| 01     | 5.00 | 0.00 | 392.0 | 1.176 | 0.0 | 187.7 | 67.5   | 82.5     | 134.9    | 148.4   |
| 01     | 4.80 | 0.00 | 375.0 | 1.204 | 0.0 | 183.9 | 66.1   | 80.8     | 132.1    | 145.4   |
| 01     | 4.60 | 0.00 | 358.0 | 1.236 | 0.0 | 180.1 | 64.8   | 79.2     | 129.4    | 142.4   |
| 01     | 4.40 | 0.00 | 341.0 | 1.270 | 0.0 | 176.3 | 63.4   | 77.5     | 126.7    | 139.4   |
| 01     | 4.30 | 0.00 | 332.5 | 1.288 | 0.0 | 174.4 | 62.7   | 76.7     | 125.3    | 137.9   |
| 02     | 4.30 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |
| 02     | 4.10 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |
| 02     | 3.90 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |
| 02     | 3.70 | 0.00 | 290.0 | 1.300 | 0.0 | 153.5 | 55.2   | 67.5     | 110.3    | 121.3   |



**FoXta v3**  
v3.3.6

Imprimé le : 06/09/2022 - 13:09:58  
 Calcul réalisé par : MAGMA CARAIBES  
 Projet : SP4\_compression  
 Module : Fondprof (Pieu 1/1)

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.50   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 3.30   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 3.10   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.90   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.70   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.50   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.30   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 2.10   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.90   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.70   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.50   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.30   | 0.00   | 290.0  | 1.300 | 0.0    | 153.5  | 55.2   | 67.5   | 110.3  | 121.3  |
| 02 | 1.10   | 0.00   | 321.0  | 1.300 | 0.0    | 169.9  | 61.1   | 74.7   | 122.1  | 134.3  |
| 02 | 0.90   | 0.00   | 352.0  | 1.300 | 0.0    | 186.3  | 67.0   | 81.9   | 133.9  | 147.3  |
| 02 | 0.70   | 0.00   | 383.0  | 1.300 | 0.0    | 202.7  | 72.9   | 89.1   | 145.7  | 160.3  |
| 02 | 0.50   | 0.00   | 414.0  | 1.300 | 0.0    | 219.1  | 78.8   | 96.3   | 157.5  | 173.2  |
| 02 | 0.30   | 0.00   | 445.0  | 1.300 | 0.0    | 235.5  | 84.7   | 103.5  | 169.3  | 186.2  |
| 02 | 0.10   | 0.00   | 476.0  | 1.300 | 0.0    | 251.9  | 90.6   | 110.7  | 181.0  | 199.2  |
| 02 | -0.10  | 0.00   | 507.0  | 1.300 | 0.0    | 268.4  | 96.5   | 117.9  | 192.8  | 212.1  |
| 02 | -0.20  | 0.00   | 522.5  | 1.300 | 0.0    | 276.6  | 99.5   | 121.6  | 198.7  | 218.6  |
| 03 | -0.20  | 55.00  | 600.0  | 1.300 | 0.0    | 317.6  | 114.2  | 139.6  | 228.2  | 251.0  |
| 03 | -0.40  | 55.00  | 600.0  | 1.300 | 24.9   | 317.6  | 126.7  | 154.9  | 246.1  | 270.7  |
| 03 | -0.60  | 55.00  | 600.0  | 1.300 | 49.8   | 317.6  | 139.2  | 170.2  | 264.0  | 290.4  |
| 03 | -0.80  | 55.00  | 600.0  | 1.300 | 74.6   | 317.6  | 151.8  | 185.5  | 281.8  | 310.1  |
| 03 | -1.00  | 55.00  | 600.0  | 1.300 | 99.5   | 317.6  | 164.3  | 200.8  | 299.7  | 329.7  |
| 03 | -1.20  | 55.00  | 600.0  | 1.300 | 124.4  | 317.6  | 176.8  | 216.1  | 317.6  | 349.4  |
| 03 | -1.40  | 55.00  | 600.0  | 1.300 | 149.3  | 317.6  | 189.3  | 231.4  | 335.5  | 369.1  |
| 03 | -1.60  | 55.00  | 600.0  | 1.300 | 174.2  | 317.6  | 201.8  | 246.7  | 353.4  | 388.7  |
| 03 | -1.80  | 55.00  | 614.5  | 1.300 | 199.1  | 325.3  | 217.1  | 265.4  | 376.8  | 414.5  |
| 03 | -2.00  | 55.00  | 643.5  | 1.300 | 223.9  | 340.6  | 235.1  | 287.4  | 405.7  | 446.3  |
| 03 | -2.20  | 55.00  | 672.5  | 1.300 | 248.8  | 356.0  | 253.1  | 309.5  | 434.6  | 478.1  |
| 03 | -2.40  | 55.00  | 701.5  | 1.300 | 273.7  | 371.3  | 271.2  | 331.5  | 463.5  | 509.9  |
| 03 | -2.60  | 55.00  | 730.5  | 1.300 | 298.6  | 386.7  | 289.2  | 353.6  | 492.4  | 541.7  |
| 03 | -2.80  | 55.00  | 759.5  | 1.300 | 323.5  | 402.0  | 307.2  | 375.6  | 521.3  | 573.5  |
| 03 | -3.00  | 55.00  | 788.5  | 1.300 | 348.3  | 417.3  | 325.2  | 397.7  | 550.2  | 605.3  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 373.2  | 432.7  | 343.3  | 419.7  | 579.1  | 637.1  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 373.2  | 432.7  | 343.3  | 419.7  | 579.1  | 637.1  |
| 04 | -3.20  | 61.00  | 890.0  | 1.283 | 373.2  | 464.8  | 354.8  | 433.8  | 602.2  | 662.4  |
| 04 | -3.40  | 61.00  | 890.0  | 1.294 | 400.8  | 468.8  | 370.1  | 452.6  | 624.9  | 687.5  |
| 04 | -3.60  | 61.00  | 890.0  | 1.300 | 428.4  | 471.1  | 384.8  | 470.5  | 646.3  | 711.1  |
| 04 | -3.80  | 61.00  | 890.0  | 1.300 | 456.0  | 471.1  | 398.7  | 487.5  | 666.2  | 732.9  |
| 04 | -4.00  | 61.00  | 890.0  | 1.300 | 483.6  | 471.1  | 412.6  | 504.5  | 686.0  | 754.7  |
| 04 | -4.20  | 61.00  | 890.0  | 1.300 | 511.2  | 471.1  | 426.5  | 521.4  | 705.8  | 776.5  |
| 04 | -4.40  | 61.00  | 1073.0 | 1.290 | 538.8  | 563.7  | 473.6  | 579.1  | 792.2  | 871.5  |
| 04 | -4.60  | 61.00  | 1256.0 | 1.256 | 566.4  | 642.3  | 515.8  | 630.6  | 868.5  | 955.5  |
| 04 | -4.80  | 61.00  | 1439.0 | 1.230 | 594.0  | 720.9  | 557.9  | 682.2  | 944.8  | 1039.4 |
| 04 | -5.00  | 61.00  | 1622.0 | 1.211 | 621.6  | 799.4  | 600.1  | 733.7  | 1021.1 | 1123.3 |
| 04 | -5.20  | 61.00  | 1805.0 | 1.195 | 649.2  | 878.0  | 642.2  | 785.2  | 1097.4 | 1207.3 |
| 04 | -5.40  | 61.00  | 1988.0 | 1.182 | 676.8  | 956.6  | 684.3  | 836.7  | 1173.7 | 1291.2 |
| 04 | -5.60  | 61.00  | 2171.0 | 1.171 | 704.4  | 1035.2 | 726.5  | 888.2  | 1250.0 | 1375.1 |
| 04 | -5.70  | 61.00  | 2262.5 | 1.166 | 718.2  | 1074.5 | 747.5  | 913.9  | 1288.1 | 1417.1 |
| 05 | -5.70  | 171.00 | 2720.0 | 1.461 | 718.2  | 1618.4 | 943.2  | 1153.0 | 1679.0 | 1847.1 |
| 05 | -5.90  | 171.00 | 2720.0 | 1.511 | 795.5  | 1673.4 | 1001.9 | 1224.8 | 1774.1 | 1951.7 |
| 05 | -6.10  | 171.00 | 2720.0 | 1.561 | 872.9  | 1728.4 | 1060.5 | 1296.5 | 1869.2 | 2056.3 |
| 05 | -6.30  | 171.00 | 2720.0 | 1.610 | 950.2  | 1783.3 | 1119.2 | 1368.2 | 1964.3 | 2160.9 |
| 05 | -6.50  | 171.00 | 2720.0 | 1.660 | 1027.6 | 1838.3 | 1177.8 | 1440.0 | 2059.4 | 2265.5 |
| 05 | -6.70  | 171.00 | 2720.0 | 1.710 | 1105.0 | 1893.2 | 1236.5 | 1511.7 | 2154.4 | 2370.1 |
| 05 | -6.90  | 171.00 | 2720.0 | 1.759 | 1182.3 | 1948.2 | 1295.2 | 1583.4 | 2249.5 | 2474.7 |
| 05 | -7.10  | 171.00 | 2720.0 | 1.809 | 1259.7 | 2003.2 | 1353.8 | 1655.2 | 2344.6 | 2579.3 |
| 05 | -7.30  | 171.00 | 2720.0 | 1.858 | 1337.0 | 2058.1 | 1412.5 | 1726.9 | 2439.7 | 2683.9 |
| 05 | -7.50  | 171.00 | 2720.0 | 1.905 | 1414.4 | 2109.6 | 1469.9 | 1797.1 | 2532.3 | 2785.8 |
| 05 | -7.70  | 171.00 | 2720.0 | 1.948 | 1491.8 | 2157.6 | 1526.0 | 1865.8 | 2622.3 | 2884.8 |
| 05 | -7.90  | 171.00 | 2720.0 | 1.992 | 1569.1 | 2205.5 | 1582.2 | 1934.4 | 2712.4 | 2983.9 |
| 05 | -8.10  | 171.00 | 2720.0 | 2.000 | 1646.5 | 2214.9 | 1624.5 | 1986.1 | 2774.7 | 3052.5 |
| 05 | -8.30  | 171.00 | 2720.0 | 2.000 | 1723.8 | 2214.9 | 1663.3 | 2033.7 | 2830.3 | 3113.6 |
| 05 | -8.50  | 171.00 | 2720.0 | 2.000 | 1801.2 | 2214.9 | 1702.2 | 2081.3 | 2885.9 | 3174.8 |
| 05 | -8.70  | 171.00 | 2720.0 | 2.000 | 1878.5 | 2214.9 | 1741.1 | 2128.8 | 2941.5 | 3235.9 |
| 05 | -8.90  | 171.00 | 2720.0 | 2.000 | 1955.9 | 2214.9 | 1780.0 | 2176.4 | 2997.0 | 3297.1 |
| 05 | -9.10  | 171.00 | 2720.0 | 2.000 | 2033.3 | 2214.9 | 1818.9 | 2224.0 | 3052.6 | 3358.2 |
| 05 | -9.30  | 171.00 | 2720.0 | 2.000 | 2110.6 | 2214.9 | 1857.8 | 2271.6 | 3108.2 | 3419.4 |
| 05 | -9.50  | 171.00 | 2720.0 | 2.000 | 2188.0 | 2214.9 | 1896.7 | 2319.2 | 3163.8 | 3480.5 |
| 05 | -9.70  | 171.00 | 2720.0 | 2.000 | 2265.3 | 2214.9 | 1935.6 | 2366.7 | 3219.4 | 3541.7 |
| 05 | -9.90  | 171.00 | 2720.0 | 2.000 | 2342.7 | 2214.9 | 1974.5 | 2414.3 | 3275.0 | 3602.8 |
| 05 | -10.10 | 171.00 | 2720.0 | 2.000 | 2420.1 | 2214.9 | 2013.4 | 2461.9 | 3330.6 | 3664.0 |
| 05 | -10.30 | 171.00 | 2720.0 | 2.000 | 2497.4 | 2214.9 | 2052.3 | 2509.5 | 3386.2 | 3725.1 |
| 05 | -10.50 | 171.00 | 2720.0 | 2.000 | 2574.8 | 2214.9 | 2091.2 | 2557.0 | 3441.7 | 3786.3 |
| 05 | -10.70 | 171.00 | 2720.0 | 2.000 | 2652.1 | 2214.9 | 2130.1 | 2604.6 | 3497.3 | 3847.5 |
| 05 | -10.90 | 171.00 | 2720.0 | 2.000 | 2729.5 | 2214.9 | 2169.0 | 2652.2 | 3552.9 | 3908.6 |
| 05 | -11.10 | 171.00 | 2720.0 | 2.000 | 2806.8 | 2214.9 | 2207.9 | 2699.8 | 3608.5 | 3969.8 |
| 05 | -11.30 | 171.00 | 2720.0 | 2.000 | 2884.2 | 2214.9 | 2246.7 | 2747.3 | 3664.1 | 4030.9 |
| 05 | -11.50 | 171.00 | 2720.0 | 2.000 | 2961.6 | 2214.9 | 2285.6 | 2794.9 | 3719.7 | 4092.1 |
| 05 | -11.70 | 171.00 | 2720.0 | 2.000 | 3038.9 | 2214.9 | 2324.5 | 2842.5 | 3775.3 | 4153.2 |
| 05 | -11.90 | 171.00 | 2720.0 | 2.000 | 3116.3 | 2214.9 | 2363.4 | 2890.1 | 3830.9 | 4214.4 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 3193.6 | 2214.9 | 2402.3 | 2937.7 | 3886.5 | 4275.5 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 3271.0 | 2214.9 | 2441.2 | 2985.2 | 3942.0 | 4336.7 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 3348.4 | 2214.9 | 2480.1 | 3032.8 | 3997.6 | 4397.8 |

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 3425.7 | 2214.9 | 2519.0 | 3080.4 | 4053.2 | 4459.0 |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 3503.1 | 2214.9 | 2557.9 | 3128.0 | 4108.8 | 4520.1 |
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 3580.4 | 2214.9 | 2596.8 | 3175.5 | 4164.4 | 4581.3 |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 3657.8 | 2214.9 | 2635.7 | 3223.1 | 4220.0 | 4642.4 |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 3735.2 | 2214.9 | 2674.6 | 3270.7 | 4275.6 | 4703.6 |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 3812.5 | 2214.9 | 2713.5 | 3318.3 | 4331.2 | 4764.8 |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 3889.9 | 2214.9 | 2752.4 | 3365.9 | 4386.7 | 4825.9 |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 3967.2 | 2214.9 | 2791.3 | 3413.4 | 4442.3 | 4887.1 |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 4044.6 | 2214.9 | 2830.1 | 3461.0 | 4497.9 | 4948.2 |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 4121.9 | 2214.9 | 2869.0 | 3508.6 | 4553.5 | 5009.4 |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 4199.3 | 2214.9 | 2907.9 | 3556.2 | 4609.1 | 5070.5 |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 4276.7 | 2214.9 | 2946.8 | 3603.7 | 4664.7 | 5131.7 |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 4354.0 | 2214.9 | 2985.7 | 3651.3 | 4720.3 | 5192.8 |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 4431.4 | 2214.9 | 3024.6 | 3698.9 | 4775.9 | 5254.0 |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 4508.7 | 2214.9 | 3063.5 | 3746.5 | 4831.5 | 5315.1 |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 4586.1 | 2214.9 | 3102.4 | 3794.0 | 4887.0 | 5376.3 |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 4663.5 | 2214.9 | 3141.3 | 3841.6 | 4942.6 | 5437.4 |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 4740.8 | 2214.9 | 3180.2 | 3889.2 | 4998.2 | 5498.6 |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 4818.2 | 2214.9 | 3219.1 | 3936.8 | 5053.8 | 5559.7 |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 4895.5 | 2214.9 | 3258.0 | 3984.4 | 5109.4 | 5620.9 |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 4972.9 | 2214.9 | 3296.9 | 4031.9 | 5165.0 | 5682.0 |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 5050.2 | 2214.9 | 3335.8 | 4079.5 | 5220.6 | 5743.2 |
| 05 | -17.10 | 171.00 | 2720.0 | 2.000 | 5127.6 | 2214.9 | 3374.7 | 4127.1 | 5276.2 | 5804.4 |
| 05 | -17.30 | 171.00 | 2800.5 | 2.000 | 5205.0 | 2280.4 | 3437.1 | 4203.5 | 5378.8 | 5917.3 |
| 05 | -17.50 | 171.00 | 2961.5 | 2.000 | 5282.3 | 2411.6 | 3523.2 | 4308.7 | 5528.6 | 6082.1 |
| 05 | -17.70 | 171.00 | 3122.5 | 2.000 | 5359.7 | 2542.7 | 3609.2 | 4413.9 | 5678.4 | 6246.9 |
| 05 | -17.90 | 171.00 | 3283.5 | 2.000 | 5437.0 | 2673.8 | 3695.3 | 4519.1 | 5828.2 | 6411.7 |
| 05 | -18.10 | 171.00 | 3444.5 | 2.000 | 5514.4 | 2804.9 | 3781.3 | 4624.3 | 5978.0 | 6576.5 |
| 05 | -18.30 | 171.00 | 3605.5 | 2.000 | 5591.8 | 2936.0 | 3867.4 | 4729.5 | 6127.8 | 6741.3 |
| 05 | -18.50 | 171.00 | 3766.5 | 2.000 | 5669.1 | 3067.1 | 3953.4 | 4834.7 | 6277.6 | 6906.1 |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 5746.5 | 3198.2 | 4039.5 | 4939.9 | 6427.4 | 7070.9 |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 5746.5 | 3198.2 | 4039.5 | 4939.9 | 6427.4 | 7070.9 |
| 06 | -18.70 | 197.00 | 4330.0 | 2.000 | 5746.5 | 3525.9 | 4157.4 | 5083.9 | 6662.9 | 7330.0 |
| 06 | -18.90 | 197.00 | 4408.8 | 2.000 | 5835.6 | 3590.1 | 4225.2 | 5167.0 | 6773.1 | 7451.2 |
| 06 | -19.10 | 197.00 | 4471.1 | 2.000 | 5924.7 | 3640.8 | 4288.3 | 5244.0 | 6873.5 | 7561.7 |
| 06 | -19.30 | 197.00 | 4531.0 | 2.000 | 6013.8 | 3689.6 | 4350.6 | 5320.3 | 6972.7 | 7670.7 |
| 06 | -19.50 | 197.00 | 4598.0 | 2.000 | 6103.0 | 3744.2 | 4415.1 | 5399.1 | 7075.9 | 7784.3 |
| 06 | -19.70 | 197.00 | 4665.0 | 2.000 | 6192.1 | 3798.7 | 4479.5 | 5477.9 | 7179.2 | 7897.9 |
| 06 | -19.90 | 197.00 | 4732.0 | 2.000 | 6281.2 | 3853.3 | 4543.9 | 5556.7 | 7282.4 | 8011.4 |
| 06 | -20.10 | 197.00 | 4799.0 | 2.000 | 6370.3 | 3907.8 | 4608.4 | 5635.5 | 7385.6 | 8125.0 |
| 06 | -20.20 | 197.00 | 4832.5 | 2.000 | 6414.9 | 3935.1 | 4640.6 | 5674.9 | 7437.3 | 8181.8 |
| 07 | -20.20 | 200.00 | 5000.0 | 2.000 | 6414.9 | 4071.5 | 4689.6 | 5734.8 | 7535.3 | 8289.6 |
| 07 | -20.40 | 200.00 | 5000.0 | 2.000 | 6505.4 | 4071.5 | 4735.1 | 5790.5 | 7600.3 | 8361.2 |
| 07 | -20.60 | 200.00 | 5000.0 | 2.000 | 6595.8 | 4071.5 | 4780.6 | 5846.1 | 7665.3 | 8432.7 |
| 07 | -20.80 | 200.00 | 5000.0 | 2.000 | 6686.3 | 4071.5 | 4826.1 | 5901.7 | 7730.3 | 8504.2 |
| 07 | -21.00 | 200.00 | 5000.0 | 2.000 | 6776.8 | 4071.5 | 4871.6 | 5957.4 | 7795.3 | 8575.7 |
| 07 | -21.20 | 200.00 | 5000.0 | 2.000 | 6867.3 | 4071.5 | 4917.1 | 6013.0 | 7860.4 | 8647.3 |
| 07 | -21.40 | 200.00 | 5000.0 | 2.000 | 6957.7 | 4071.5 | 4962.6 | 6068.7 | 7925.4 | 8718.8 |
| 07 | -21.60 | 200.00 | 5000.0 | 2.000 | 7048.2 | 4071.5 | 5008.1 | 6124.3 | 7990.4 | 8790.3 |
| 07 | -21.80 | 200.00 | 5000.0 | 2.000 | 7138.7 | 4071.5 | 5053.6 | 6180.0 | 8055.4 | 8861.8 |
| 07 | -22.00 | 200.00 | 5000.0 | 2.000 | 7229.2 | 4071.5 | 5099.0 | 6235.6 | 8120.4 | 8933.3 |
| 07 | -22.20 | 200.00 | 5000.0 | 2.000 | 7319.7 | 4071.5 | 5144.5 | 6291.3 | 8185.4 | 9004.9 |
| 07 | -22.40 | 200.00 | 5000.0 | 2.000 | 7410.1 | 4071.5 | 5190.0 | 6346.9 | 8250.4 | 9076.4 |
| 07 | -22.60 | 200.00 | 5000.0 | 2.000 | 7500.6 | 4071.5 | 5235.5 | 6402.6 | 8315.5 | 9147.9 |
| 07 | -22.80 | 200.00 | 5000.0 | 2.000 | 7591.1 | 4071.5 | 5281.0 | 6458.2 | 8380.5 | 9219.4 |
| 07 | -23.00 | 200.00 | 5000.0 | 2.000 | 7681.6 | 4071.5 | 5326.5 | 6513.8 | 8445.5 | 9291.0 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 7772.0 | 4071.5 | 5372.0 | 6569.5 | 8510.5 | 9362.5 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 7772.0 | 4071.5 | 5372.0 | 6569.5 | 8510.5 | 9362.5 |



# Capacité du pieu pour chaque combinaison en fonction de la profondeur





# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP4  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,82  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

## Combinaisons

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0,636  | 0,778     | 0,909    | 1,000   |
| Pondérations combinées sur Qp.k | 0,455  | 0,556     | 0,909    | 1,000   |

Cote de référence (m) : 6,80

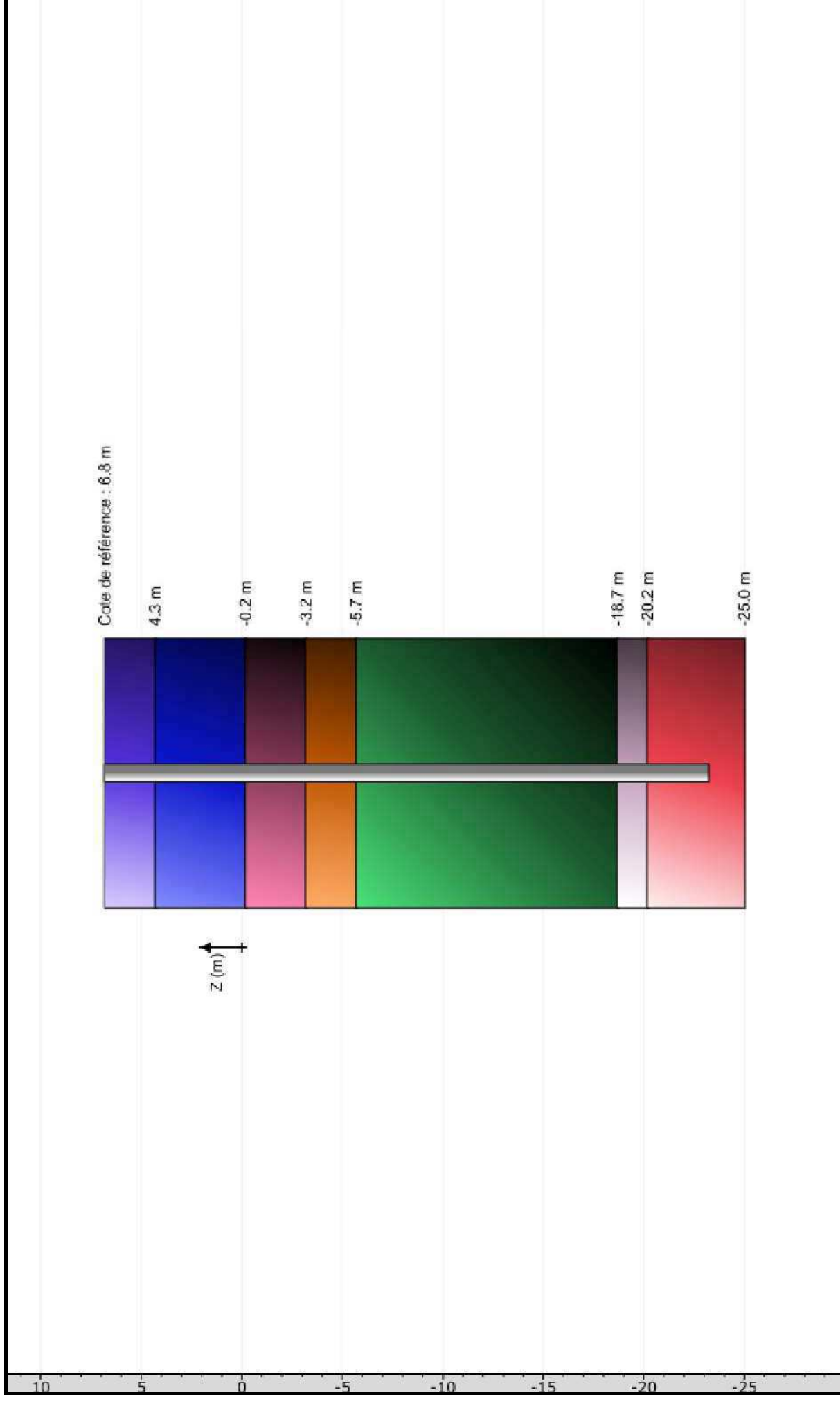
## Définition des couches de sol

| No | Nom                                   | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | γR,d1*γR,d2 |
|----|---------------------------------------|---------|-----------------------------|--------|---------|--------|-------|-------------|
| 1  | Remblais                              |         | Argile, limons              | 4,30   | 460,00  | 0,00   | 1,30  | 1,265       |
| 2  | Alluvions                             |         | Argile, limons              | -0,20  | 290,00  | 0,00   | 1,30  | 1,265       |
| 3  | Argile d'altération                   |         | Argile, limons              | -3,20  | 600,00  | 55,00  | 1,30  | 1,265       |
| 4  | Lave altérée argilisée raide          |         | Argile, limons              | -5,70  | 890,00  | 61,00  | 1,30  | 1,265       |
| 5  | Lave altérée argilisée très raide     |         | Roche altérée et fragmentée | -18,70 | 2720,00 | 171,00 | 2,00  | 1,265       |
| 6  | Lave altérée +/- argilisée très raide |         | Roche altérée et fragmentée | -20,20 | 4330,00 | 197,00 | 2,00  | 1,265       |
| 7  | Lave +/- altérée aspect rocheux       |         | Roche altérée et fragmentée | -25,00 | 5000,00 | 200,00 | 2,00  | 1,265       |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 13h10  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.800

Section du pieu : 0.528  
Périmètre : 2.576

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.30   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -0.20  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -3.20  | 600.0  | 55.00  | 1.00  | 1.30  | 1.26  |
| 04     | -5.70  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.70 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -20.20 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |
| 07     | -25.00 | 5000.0 | 200.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.80 | 0.00 | 460.0 | 1.000 | 0.0 | 242.9 | 87.4   | 106.8    | 174.6    | 192.0   |
| 01     | 6.60 | 0.00 | 460.0 | 1.015 | 0.0 | 246.5 | 88.7   | 108.3    | 177.1    | 194.8   |
| 01     | 6.40 | 0.00 | 460.0 | 1.029 | 0.0 | 250.0 | 89.9   | 109.9    | 179.7    | 197.7   |
| 01     | 6.20 | 0.00 | 460.0 | 1.044 | 0.0 | 253.6 | 91.2   | 111.5    | 182.2    | 200.5   |
| 01     | 6.00 | 0.00 | 460.0 | 1.059 | 0.0 | 257.1 | 92.5   | 113.0    | 184.8    | 203.3   |
| 01     | 5.80 | 0.00 | 460.0 | 1.073 | 0.0 | 260.7 | 93.8   | 114.6    | 187.3    | 206.1   |
| 01     | 5.60 | 0.00 | 443.0 | 1.091 | 0.0 | 255.3 | 91.8   | 112.2    | 183.4    | 201.8   |
| 01     | 5.40 | 0.00 | 426.0 | 1.111 | 0.0 | 249.9 | 89.9   | 109.8    | 179.5    | 197.5   |
| 01     | 5.20 | 0.00 | 409.0 | 1.132 | 0.0 | 244.4 | 87.9   | 107.4    | 175.6    | 193.2   |
| 01     | 5.00 | 0.00 | 392.0 | 1.155 | 0.0 | 239.0 | 86.0   | 105.1    | 171.7    | 188.9   |
| 01     | 4.80 | 0.00 | 375.0 | 1.180 | 0.0 | 233.6 | 84.0   | 102.7    | 167.9    | 184.7   |
| 01     | 4.60 | 0.00 | 358.0 | 1.207 | 0.0 | 228.2 | 82.1   | 100.3    | 164.0    | 180.4   |
| 01     | 4.40 | 0.00 | 341.0 | 1.237 | 0.0 | 222.7 | 80.1   | 97.9     | 160.1    | 176.1   |
| 01     | 4.30 | 0.00 | 332.5 | 1.253 | 0.0 | 220.0 | 79.1   | 96.7     | 158.1    | 173.9   |
| 02     | 4.30 | 0.00 | 290.0 | 1.290 | 0.0 | 197.6 | 71.1   | 86.8     | 142.0    | 156.2   |
| 02     | 4.10 | 0.00 | 290.0 | 1.300 | 0.0 | 199.1 | 71.6   | 87.5     | 143.1    | 157.4   |
| 02     | 3.90 | 0.00 | 290.0 | 1.300 | 0.0 | 199.1 | 71.6   | 87.5     | 143.1    | 157.4   |
| 02     | 3.70 | 0.00 | 290.0 | 1.300 | 0.0 | 199.1 | 71.6   | 87.5     | 143.1    | 157.4   |



**FoXta v3**  
v3.3.6

Imprimé le : 06/09/2022 - 13:10:23  
 Calcul réalisé par : MAGMA CARAIBES  
 Projet : SP4\_compression  
 Module : Fondprof (Pieu 1/1)

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.50   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 3.30   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 3.10   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.90   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.70   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.50   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.30   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 2.10   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.90   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.70   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.50   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.30   | 0.00   | 290.0  | 1.300 | 0.0    | 199.1  | 71.6   | 87.5   | 143.1  | 157.4  |
| 02 | 1.10   | 0.00   | 321.0  | 1.300 | 0.0    | 220.4  | 79.3   | 96.9   | 158.4  | 174.2  |
| 02 | 0.90   | 0.00   | 352.0  | 1.300 | 0.0    | 241.7  | 86.9   | 106.2  | 173.7  | 191.0  |
| 02 | 0.70   | 0.00   | 383.0  | 1.300 | 0.0    | 262.9  | 94.6   | 115.6  | 188.9  | 207.9  |
| 02 | 0.50   | 0.00   | 414.0  | 1.300 | 0.0    | 284.2  | 102.2  | 124.9  | 204.2  | 224.7  |
| 02 | 0.30   | 0.00   | 445.0  | 1.300 | 0.0    | 305.5  | 109.9  | 134.3  | 219.5  | 241.5  |
| 02 | 0.10   | 0.00   | 476.0  | 1.300 | 0.0    | 326.8  | 117.5  | 143.6  | 234.8  | 258.3  |
| 02 | -0.10  | 0.00   | 507.0  | 1.300 | 0.0    | 348.1  | 125.2  | 153.0  | 250.1  | 275.2  |
| 02 | -0.20  | 0.00   | 522.5  | 1.300 | 0.0    | 358.7  | 129.0  | 157.7  | 257.8  | 283.6  |
| 03 | -0.20  | 55.00  | 600.0  | 1.299 | 0.0    | 411.7  | 148.1  | 181.0  | 295.9  | 325.5  |
| 03 | -0.40  | 55.00  | 600.0  | 1.300 | 28.3   | 411.9  | 162.4  | 198.5  | 316.4  | 348.0  |
| 03 | -0.60  | 55.00  | 600.0  | 1.300 | 56.7   | 411.9  | 176.7  | 215.9  | 336.7  | 370.4  |
| 03 | -0.80  | 55.00  | 600.0  | 1.300 | 85.0   | 411.9  | 190.9  | 233.3  | 357.1  | 392.8  |
| 03 | -1.00  | 55.00  | 600.0  | 1.300 | 113.3  | 411.9  | 205.1  | 250.8  | 377.4  | 415.2  |
| 03 | -1.20  | 55.00  | 600.0  | 1.300 | 141.7  | 411.9  | 219.4  | 268.2  | 397.8  | 437.6  |
| 03 | -1.40  | 55.00  | 600.0  | 1.300 | 170.0  | 411.9  | 233.6  | 285.6  | 418.2  | 460.0  |
| 03 | -1.60  | 55.00  | 600.0  | 1.300 | 198.4  | 411.9  | 247.9  | 303.0  | 438.5  | 482.4  |
| 03 | -1.80  | 55.00  | 614.5  | 1.300 | 226.7  | 421.9  | 265.7  | 324.8  | 466.0  | 512.7  |
| 03 | -2.00  | 55.00  | 643.5  | 1.300 | 255.0  | 441.8  | 287.1  | 351.0  | 500.7  | 550.8  |
| 03 | -2.20  | 55.00  | 672.5  | 1.300 | 283.4  | 461.7  | 308.5  | 377.2  | 535.4  | 589.0  |
| 03 | -2.40  | 55.00  | 701.5  | 1.300 | 311.7  | 481.6  | 329.9  | 403.4  | 570.1  | 627.1  |
| 03 | -2.60  | 55.00  | 730.5  | 1.300 | 340.0  | 501.5  | 351.3  | 429.6  | 604.7  | 665.3  |
| 03 | -2.80  | 55.00  | 759.5  | 1.300 | 368.4  | 521.4  | 372.8  | 455.7  | 639.4  | 703.4  |
| 03 | -3.00  | 55.00  | 788.5  | 1.300 | 396.7  | 541.3  | 394.2  | 481.9  | 674.1  | 741.5  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 425.1  | 561.2  | 415.6  | 508.1  | 708.7  | 779.7  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 425.1  | 561.2  | 415.6  | 508.1  | 708.7  | 779.7  |
| 04 | -3.20  | 61.00  | 890.0  | 1.282 | 425.1  | 602.4  | 430.4  | 526.2  | 738.3  | 812.2  |
| 04 | -3.40  | 61.00  | 890.0  | 1.289 | 456.5  | 605.8  | 447.4  | 547.0  | 763.3  | 839.7  |
| 04 | -3.60  | 61.00  | 890.0  | 1.296 | 487.9  | 609.1  | 464.4  | 567.8  | 788.3  | 867.2  |
| 04 | -3.80  | 61.00  | 890.0  | 1.300 | 519.3  | 611.0  | 480.9  | 588.0  | 812.2  | 893.6  |
| 04 | -4.00  | 61.00  | 890.0  | 1.300 | 550.8  | 611.0  | 496.7  | 607.3  | 834.8  | 918.4  |
| 04 | -4.20  | 61.00  | 890.0  | 1.300 | 582.2  | 611.0  | 512.5  | 626.6  | 857.4  | 943.3  |
| 04 | -4.40  | 61.00  | 1073.0 | 1.275 | 613.6  | 722.3  | 568.3  | 694.9  | 960.0  | 1056.1 |
| 04 | -4.60  | 61.00  | 1256.0 | 1.242 | 645.1  | 823.6  | 620.5  | 758.7  | 1055.3 | 1161.0 |
| 04 | -4.80  | 61.00  | 1439.0 | 1.217 | 676.5  | 924.9  | 672.8  | 822.6  | 1150.7 | 1265.9 |
| 04 | -5.00  | 61.00  | 1622.0 | 1.198 | 707.9  | 1026.1 | 725.0  | 886.4  | 1246.1 | 1370.8 |
| 04 | -5.20  | 61.00  | 1805.0 | 1.183 | 739.3  | 1127.4 | 777.2  | 950.2  | 1341.4 | 1475.7 |
| 04 | -5.40  | 61.00  | 1988.0 | 1.170 | 770.8  | 1228.7 | 829.5  | 1014.1 | 1436.8 | 1580.6 |
| 04 | -5.60  | 61.00  | 2171.0 | 1.160 | 802.2  | 1330.0 | 881.7  | 1077.9 | 1532.1 | 1685.5 |
| 04 | -5.70  | 61.00  | 2262.5 | 1.155 | 817.9  | 1380.6 | 907.8  | 1109.9 | 1579.8 | 1738.0 |
| 05 | -5.70  | 171.00 | 2720.0 | 1.431 | 817.9  | 2055.7 | 1150.6 | 1406.6 | 2064.9 | 2271.7 |
| 05 | -5.90  | 171.00 | 2720.0 | 1.475 | 906.0  | 2118.3 | 1217.4 | 1488.3 | 2173.2 | 2390.8 |
| 05 | -6.10  | 171.00 | 2720.0 | 1.518 | 994.1  | 2180.9 | 1284.3 | 1570.0 | 2281.5 | 2509.9 |
| 05 | -6.30  | 171.00 | 2720.0 | 1.562 | 1082.2 | 2243.5 | 1351.1 | 1651.7 | 2389.8 | 2629.1 |
| 05 | -6.50  | 171.00 | 2720.0 | 1.605 | 1170.3 | 2306.1 | 1417.9 | 1733.4 | 2498.1 | 2748.2 |
| 05 | -6.70  | 171.00 | 2720.0 | 1.649 | 1258.4 | 2368.7 | 1484.7 | 1815.1 | 2606.4 | 2867.3 |
| 05 | -6.90  | 171.00 | 2720.0 | 1.693 | 1346.5 | 2431.3 | 1551.5 | 1896.8 | 2714.7 | 2986.5 |
| 05 | -7.10  | 171.00 | 2720.0 | 1.736 | 1434.6 | 2493.9 | 1618.3 | 1978.5 | 2823.0 | 3105.6 |
| 05 | -7.30  | 171.00 | 2720.0 | 1.780 | 1522.7 | 2556.5 | 1685.1 | 2060.2 | 2931.3 | 3224.7 |
| 05 | -7.50  | 171.00 | 2720.0 | 1.823 | 1610.8 | 2619.1 | 1751.9 | 2141.9 | 3039.6 | 3343.8 |
| 05 | -7.70  | 171.00 | 2720.0 | 1.867 | 1698.9 | 2681.7 | 1818.7 | 2223.6 | 3147.8 | 3463.0 |
| 05 | -7.90  | 171.00 | 2720.0 | 1.911 | 1787.0 | 2744.3 | 1885.6 | 2305.3 | 3256.1 | 3582.1 |
| 05 | -8.10  | 171.00 | 2720.0 | 1.954 | 1875.1 | 2806.9 | 1952.4 | 2387.0 | 3364.4 | 3701.2 |
| 05 | -8.30  | 171.00 | 2720.0 | 1.998 | 1963.3 | 2869.5 | 2019.2 | 2468.7 | 3472.7 | 3820.4 |
| 05 | -8.50  | 171.00 | 2720.0 | 2.000 | 2051.4 | 2872.9 | 2064.7 | 2524.3 | 3538.4 | 3892.7 |
| 05 | -8.70  | 171.00 | 2720.0 | 2.000 | 2139.5 | 2872.9 | 2109.0 | 2578.5 | 3601.7 | 3962.3 |
| 05 | -8.90  | 171.00 | 2720.0 | 2.000 | 2227.6 | 2872.9 | 2153.3 | 2632.7 | 3665.1 | 4032.0 |
| 05 | -9.10  | 171.00 | 2720.0 | 2.000 | 2315.7 | 2872.9 | 2197.6 | 2686.9 | 3728.4 | 4101.6 |
| 05 | -9.30  | 171.00 | 2720.0 | 2.000 | 2403.8 | 2872.9 | 2241.9 | 2741.1 | 3791.7 | 4171.3 |
| 05 | -9.50  | 171.00 | 2720.0 | 2.000 | 2491.9 | 2872.9 | 2286.2 | 2795.2 | 3855.0 | 4240.9 |
| 05 | -9.70  | 171.00 | 2720.0 | 2.000 | 2580.0 | 2872.9 | 2330.4 | 2849.4 | 3918.3 | 4310.5 |
| 05 | -9.90  | 171.00 | 2720.0 | 2.000 | 2668.1 | 2872.9 | 2374.7 | 2903.6 | 3981.6 | 4380.2 |
| 05 | -10.10 | 171.00 | 2720.0 | 2.000 | 2756.2 | 2872.9 | 2419.0 | 2957.8 | 4044.9 | 4449.8 |
| 05 | -10.30 | 171.00 | 2720.0 | 2.000 | 2844.3 | 2872.9 | 2463.3 | 3012.0 | 4108.2 | 4519.5 |
| 05 | -10.50 | 171.00 | 2720.0 | 2.000 | 2932.4 | 2872.9 | 2507.6 | 3066.2 | 4171.5 | 4589.1 |
| 05 | -10.70 | 171.00 | 2720.0 | 2.000 | 3020.5 | 2872.9 | 2551.9 | 3120.4 | 4234.8 | 4658.8 |
| 05 | -10.90 | 171.00 | 2720.0 | 2.000 | 3108.6 | 2872.9 | 2596.2 | 3174.5 | 4298.1 | 4728.4 |
| 05 | -11.10 | 171.00 | 2720.0 | 2.000 | 3196.7 | 2872.9 | 2640.5 | 3228.7 | 4361.4 | 4798.1 |
| 05 | -11.30 | 171.00 | 2720.0 | 2.000 | 3284.8 | 2872.9 | 2684.8 | 3282.9 | 4424.8 | 4867.7 |
| 05 | -11.50 | 171.00 | 2720.0 | 2.000 | 3372.9 | 2872.9 | 2729.1 | 3337.1 | 4488.1 | 4937.4 |
| 05 | -11.70 | 171.00 | 2720.0 | 2.000 | 3461.0 | 2872.9 | 2773.4 | 3391.3 | 4551.4 | 5007.0 |
| 05 | -11.90 | 171.00 | 2720.0 | 2.000 | 3549.1 | 2872.9 | 2817.7 | 3445.5 | 4614.7 | 5076.7 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 3637.2 | 2872.9 | 2862.0 | 3499.7 | 4678.0 | 5146.3 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 3725.3 | 2872.9 | 2906.3 | 3553.8 | 4741.3 | 5216.0 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 3813.4 | 2872.9 | 2950.6 | 3608.0 | 4804.6 | 5285.6 |

|    |        |        |        |       |        |        |        |        |         |         |
|----|--------|--------|--------|-------|--------|--------|--------|--------|---------|---------|
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 3901.5 | 2872.9 | 2994.9 | 3662.2 | 4867.9  | 5355.2  |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 3989.6 | 2872.9 | 3039.2 | 3716.4 | 4931.2  | 5424.9  |
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 4077.7 | 2872.9 | 3083.5 | 3770.6 | 4994.5  | 5494.5  |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 4165.8 | 2872.9 | 3127.8 | 3824.8 | 5057.8  | 5564.2  |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 4253.9 | 2872.9 | 3172.1 | 3878.9 | 5121.2  | 5633.8  |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 4342.0 | 2872.9 | 3216.4 | 3933.1 | 5184.5  | 5703.5  |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 4430.1 | 2872.9 | 3260.6 | 3987.3 | 5247.8  | 5773.1  |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 4518.2 | 2872.9 | 3304.9 | 4041.5 | 5311.1  | 5842.8  |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 4606.3 | 2872.9 | 3349.2 | 4095.7 | 5374.4  | 5912.4  |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 4694.4 | 2872.9 | 3393.5 | 4149.9 | 5437.7  | 5982.1  |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 4782.5 | 2872.9 | 3437.8 | 4204.1 | 5501.0  | 6051.7  |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 4870.6 | 2872.9 | 3482.1 | 4258.2 | 5564.3  | 6121.4  |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 4958.7 | 2872.9 | 3526.4 | 4312.4 | 5627.6  | 6191.0  |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 5046.8 | 2872.9 | 3570.7 | 4366.6 | 5690.9  | 6260.7  |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 5135.0 | 2872.9 | 3615.0 | 4420.8 | 5754.2  | 6330.3  |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 5223.1 | 2872.9 | 3659.3 | 4475.0 | 5817.5  | 6399.9  |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 5311.2 | 2872.9 | 3703.6 | 4529.2 | 5880.9  | 6469.6  |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 5399.3 | 2872.9 | 3747.9 | 4583.4 | 5944.2  | 6539.2  |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 5487.4 | 2872.9 | 3792.2 | 4637.5 | 6007.5  | 6608.9  |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 5575.5 | 2872.9 | 3836.5 | 4691.7 | 6070.8  | 6678.5  |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 5663.6 | 2872.9 | 3880.8 | 4745.9 | 6134.1  | 6748.2  |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 5751.7 | 2872.9 | 3925.1 | 4800.1 | 6197.4  | 6817.8  |
| 05 | -17.10 | 171.00 | 2720.0 | 2.000 | 5839.8 | 2872.9 | 3969.4 | 4854.3 | 6260.7  | 6887.5  |
| 05 | -17.30 | 171.00 | 2800.5 | 2.000 | 5927.9 | 2957.9 | 4044.2 | 4945.8 | 6385.1  | 7024.3  |
| 05 | -17.50 | 171.00 | 2961.5 | 2.000 | 6016.0 | 3127.9 | 4149.7 | 5074.8 | 6570.6  | 7228.4  |
| 05 | -17.70 | 171.00 | 3122.5 | 2.000 | 6104.1 | 3298.0 | 4255.2 | 5203.7 | 6756.1  | 7432.5  |
| 05 | -17.90 | 171.00 | 3283.5 | 2.000 | 6192.2 | 3468.0 | 4360.6 | 5332.6 | 6941.6  | 7636.5  |
| 05 | -18.10 | 171.00 | 3444.5 | 2.000 | 6280.3 | 3638.1 | 4466.1 | 5461.5 | 7127.1  | 7840.6  |
| 05 | -18.30 | 171.00 | 3605.5 | 2.000 | 6368.4 | 3808.1 | 4571.5 | 5590.5 | 7312.6  | 8044.7  |
| 05 | -18.50 | 171.00 | 3766.5 | 2.000 | 6456.5 | 3978.2 | 4677.0 | 5719.4 | 7498.1  | 8248.8  |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 6544.6 | 4148.2 | 4782.5 | 5848.3 | 7683.6  | 8452.8  |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 6544.6 | 4148.2 | 4782.5 | 5848.3 | 7683.6  | 8452.8  |
| 06 | -18.70 | 197.00 | 4330.0 | 2.000 | 6544.6 | 4573.4 | 4935.4 | 6035.2 | 7989.1  | 8788.9  |
| 06 | -18.90 | 197.00 | 4408.8 | 2.000 | 6646.1 | 4656.6 | 5016.3 | 6134.2 | 8121.9  | 8934.9  |
| 06 | -19.10 | 197.00 | 4471.1 | 2.000 | 6747.6 | 4722.3 | 5091.0 | 6225.5 | 8242.0  | 9067.1  |
| 06 | -19.30 | 197.00 | 4531.0 | 2.000 | 6849.1 | 4785.7 | 5164.8 | 6315.7 | 8360.5  | 9197.4  |
| 06 | -19.50 | 197.00 | 4598.0 | 2.000 | 6950.6 | 4856.4 | 5241.3 | 6409.3 | 8484.3  | 9333.6  |
| 06 | -19.70 | 197.00 | 4665.0 | 2.000 | 7052.1 | 4927.2 | 5317.8 | 6502.8 | 8608.0  | 9469.8  |
| 06 | -19.90 | 197.00 | 4732.0 | 2.000 | 7153.6 | 4998.0 | 5394.3 | 6596.3 | 8731.8  | 9606.0  |
| 06 | -20.10 | 197.00 | 4799.0 | 2.000 | 7255.1 | 5068.7 | 5470.8 | 6689.9 | 8855.6  | 9742.1  |
| 06 | -20.20 | 197.00 | 4832.5 | 2.000 | 7305.8 | 5104.1 | 5509.0 | 6736.6 | 8917.5  | 9810.2  |
| 07 | -20.20 | 200.00 | 5000.0 | 2.000 | 7305.8 | 5281.0 | 5572.6 | 6814.4 | 9044.6  | 9950.1  |
| 07 | -20.40 | 200.00 | 5000.0 | 2.000 | 7408.9 | 5281.0 | 5624.4 | 6877.8 | 9118.7  | 10031.5 |
| 07 | -20.60 | 200.00 | 5000.0 | 2.000 | 7511.9 | 5281.0 | 5676.2 | 6941.1 | 9192.7  | 10113.0 |
| 07 | -20.80 | 200.00 | 5000.0 | 2.000 | 7615.0 | 5281.0 | 5728.1 | 7004.5 | 9266.8  | 10194.5 |
| 07 | -21.00 | 200.00 | 5000.0 | 2.000 | 7718.0 | 5281.0 | 5779.9 | 7067.9 | 9340.8  | 10275.9 |
| 07 | -21.20 | 200.00 | 5000.0 | 2.000 | 7821.1 | 5281.0 | 5831.7 | 7131.2 | 9414.9  | 10357.4 |
| 07 | -21.40 | 200.00 | 5000.0 | 2.000 | 7924.1 | 5281.0 | 5883.5 | 7194.6 | 9488.9  | 10438.8 |
| 07 | -21.60 | 200.00 | 5000.0 | 2.000 | 8027.1 | 5281.0 | 5935.3 | 7258.0 | 9562.9  | 10520.3 |
| 07 | -21.80 | 200.00 | 5000.0 | 2.000 | 8130.2 | 5281.0 | 5987.1 | 7321.4 | 9637.0  | 10601.7 |
| 07 | -22.00 | 200.00 | 5000.0 | 2.000 | 8233.2 | 5281.0 | 6038.9 | 7384.7 | 9711.0  | 10683.2 |
| 07 | -22.20 | 200.00 | 5000.0 | 2.000 | 8336.3 | 5281.0 | 6090.7 | 7448.1 | 9785.1  | 10764.7 |
| 07 | -22.40 | 200.00 | 5000.0 | 2.000 | 8439.3 | 5281.0 | 6142.5 | 7511.5 | 9859.1  | 10846.1 |
| 07 | -22.60 | 200.00 | 5000.0 | 2.000 | 8542.4 | 5281.0 | 6194.3 | 7574.9 | 9933.2  | 10927.6 |
| 07 | -22.80 | 200.00 | 5000.0 | 2.000 | 8645.4 | 5281.0 | 6246.1 | 7638.2 | 10007.2 | 11009.0 |
| 07 | -23.00 | 200.00 | 5000.0 | 2.000 | 8748.5 | 5281.0 | 6297.9 | 7701.6 | 10081.3 | 11090.5 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 8851.5 | 5281.0 | 6349.7 | 7765.0 | 10155.3 | 11172.0 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 8851.5 | 5281.0 | 6349.7 | 7765.0 | 10155.3 | 11172.0 |

# Capacité du pieu pour chaque combinaison en fonction de la profondeur





# Données

Titre du projet : Eco-Village d'entreprises à Carrère (pieu n°1)  
Numéro d'affaire : 22-1222  
Commentaires : Sondage SP4  
Titre du calcul : Titre du calcul  
Cadre réglementaire : EC 7 - Norme NF P94-262/A1 (juillet 2018)  
Méthode de dimensionnement : A partir des résultats pressiométriques  
Traitement des données : Traitement par couches  
Pas du calcul (m) : 0,20  
Section de calcul : Section de calcul circulaire  
Diamètre de calcul (m) : 0,92  
Classe du pieu : 2 - Pieu tarière creuse  
Catégorie du pieu : 6 [FTC, FTCD] - Foré tarière creuse simple rotation, ou double rotation  
Mode de chargement : Travail en compression

## Combinaisons

|                                 | ELS-QP | ELS-CARAC | ELU-FOND | ELU-ACC |
|---------------------------------|--------|-----------|----------|---------|
| Pondérations combinées sur Qs.k | 0.636  | 0.778     | 0.909    | 1.000   |
| Pondérations combinées sur Qp.k | 0.455  | 0.556     | 0.909    | 1.000   |

Cote de référence (m) : 6,80

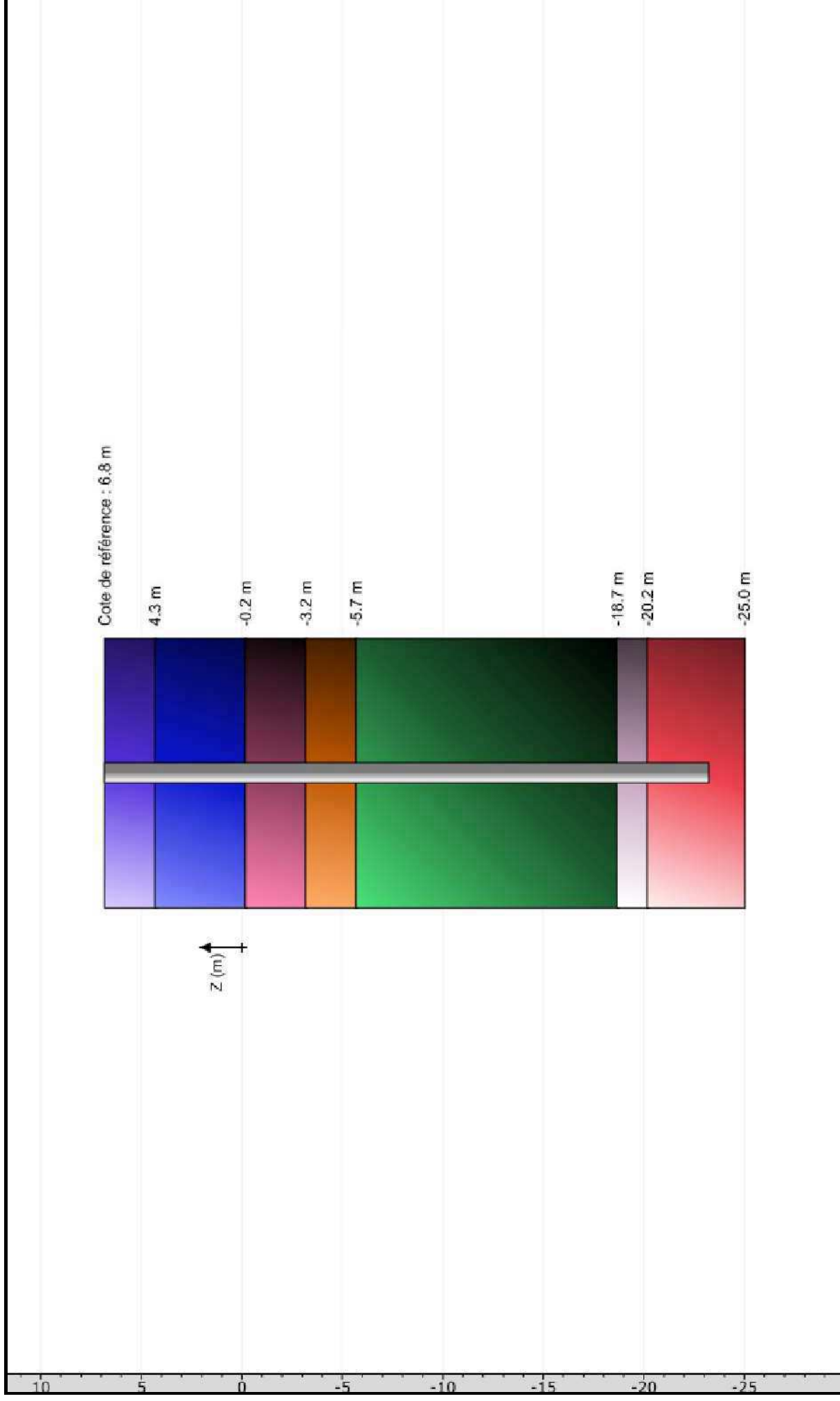
## Définition des couches de sol

| No | Nom                                   | Couleur | Classe de sol               | Zbase  | pl*     | qsl    | kpmax | γR,d1*γR,d2 |
|----|---------------------------------------|---------|-----------------------------|--------|---------|--------|-------|-------------|
| 1  | Remblais                              |         | Argile, limons              | 4,30   | 460,00  | 0,00   | 1,30  | 1,265       |
| 2  | Alluvions                             |         | Argile, limons              | -0,20  | 290,00  | 0,00   | 1,30  | 1,265       |
| 3  | Argile d'altération                   |         | Argile, limons              | -3,20  | 600,00  | 55,00  | 1,30  | 1,265       |
| 4  | Lave altérée argilisée raide          |         | Argile, limons              | -5,70  | 890,00  | 61,00  | 1,30  | 1,265       |
| 5  | Lave altérée argilisée très raide     |         | Roche altérée et fragmentée | -18,70 | 2720,00 | 171,00 | 2,00  | 1,265       |
| 6  | Lave altérée +/- argilisée très raide |         | Roche altérée et fragmentée | -20,20 | 4330,00 | 197,00 | 2,00  | 1,265       |
| 7  | Lave +/- altérée aspect rocheux       |         | Roche altérée et fragmentée | -25,00 | 5000,00 | 200,00 | 2,00  | 1,265       |

Critère de calcul : Longueur imposée

Longueur du pieu (m) : 30,00

# Onglet "Paramètres généraux"



File : C:\Users\morel\AppData\Local\Temp\Terrasol\FoXta v3\3812\temp[FP]-1.resu

Calcul réalisé le : 06/09/2022 à 13h10  
par : MAGMA CARAIBES

## Options du calcul :

- calcul basé sur des paramètres issus du pressiomètre de Ménard
- calcul selon les règles de la norme NF P 94 262
- profil de pression limite pl\* défini par couche
- pour pieu de catégorie : 6
- pour pieu travaillant en compression

| Combinaisons | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------------|--------|----------|----------|---------|
| Frottement   | 0.636  | 0.778    | 0.909    | 1.000   |
| Pointe       | 0.455  | 0.556    | 0.909    | 1.000   |

Cote de référence : 6.800

Section du pieu : 0.665  
Périmètre : 2.890

## Caractéristiques des couches (données utilisateur)

| couche | base   | pl*    | qsl    | kpmin | kpmax | gamrd |
|--------|--------|--------|--------|-------|-------|-------|
| 01     | 4.30   | 460.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 02     | -0.20  | 290.0  | 0.00   | 1.00  | 1.30  | 1.26  |
| 03     | -3.20  | 600.0  | 55.00  | 1.00  | 1.30  | 1.26  |
| 04     | -5.70  | 890.0  | 61.00  | 1.00  | 1.30  | 1.26  |
| 05     | -18.70 | 2720.0 | 171.00 | 1.00  | 2.00  | 1.26  |
| 06     | -20.20 | 4330.0 | 197.00 | 1.00  | 2.00  | 1.26  |
| 07     | -25.00 | 5000.0 | 200.00 | 1.00  | 2.00  | 1.26  |

Pas du calcul : 0.20

\*\*\*\*\*  
 \*\*\*SOLUTION\*\*\*  
 \*\*\*\*\*

Calcul à longueur imposée : L = 30.00

| couche | cote | qsl  | ple   | kp    | Qs  | Qp    | ELS-QP | ELS-CARA | ELU-FOND | ELU-ACC |
|--------|------|------|-------|-------|-----|-------|--------|----------|----------|---------|
| 01     | 6.80 | 0.00 | 460.0 | 1.000 | 0.0 | 305.8 | 110.0  | 134.4    | 219.7    | 241.7   |
| 01     | 6.60 | 0.00 | 460.0 | 1.013 | 0.0 | 309.8 | 111.4  | 136.2    | 222.6    | 244.9   |
| 01     | 6.40 | 0.00 | 460.0 | 1.026 | 0.0 | 313.8 | 112.9  | 137.9    | 225.5    | 248.0   |
| 01     | 6.20 | 0.00 | 460.0 | 1.039 | 0.0 | 317.8 | 114.3  | 139.7    | 228.3    | 251.2   |
| 01     | 6.00 | 0.00 | 460.0 | 1.052 | 0.0 | 321.7 | 115.7  | 141.4    | 231.2    | 254.3   |
| 01     | 5.80 | 0.00 | 460.0 | 1.065 | 0.0 | 325.7 | 117.2  | 143.2    | 234.1    | 257.5   |
| 01     | 5.60 | 0.00 | 443.0 | 1.081 | 0.0 | 318.4 | 114.5  | 140.0    | 228.8    | 251.7   |
| 01     | 5.40 | 0.00 | 426.0 | 1.099 | 0.0 | 311.1 | 111.9  | 136.7    | 223.6    | 245.9   |
| 01     | 5.20 | 0.00 | 409.0 | 1.117 | 0.0 | 303.8 | 109.3  | 133.5    | 218.3    | 240.2   |
| 01     | 5.00 | 0.00 | 392.0 | 1.138 | 0.0 | 296.5 | 106.6  | 130.3    | 213.0    | 234.4   |
| 01     | 4.80 | 0.00 | 375.0 | 1.160 | 0.0 | 289.2 | 104.0  | 127.1    | 207.8    | 228.6   |
| 01     | 4.60 | 0.00 | 358.0 | 1.184 | 0.0 | 281.9 | 101.4  | 123.9    | 202.5    | 222.8   |
| 01     | 4.40 | 0.00 | 341.0 | 1.211 | 0.0 | 274.5 | 98.7   | 120.7    | 197.3    | 217.0   |
| 01     | 4.30 | 0.00 | 332.5 | 1.226 | 0.0 | 270.9 | 97.4   | 119.1    | 194.7    | 214.1   |
| 02     | 4.30 | 0.00 | 290.0 | 1.259 | 0.0 | 242.6 | 87.3   | 106.6    | 174.4    | 191.8   |
| 02     | 4.10 | 0.00 | 290.0 | 1.272 | 0.0 | 245.2 | 88.2   | 107.8    | 176.2    | 193.8   |
| 02     | 3.90 | 0.00 | 290.0 | 1.285 | 0.0 | 247.7 | 89.1   | 108.9    | 178.0    | 195.8   |
| 02     | 3.70 | 0.00 | 290.0 | 1.298 | 0.0 | 250.2 | 90.0   | 110.0    | 179.8    | 197.8   |



**FoXta v3**  
v3.3.6

Imprimé le : 06/09/2022 - 13:10:48  
 Calcul réalisé par : MAGMA CARAIBES  
 Projet : SP4\_compression  
 Module : Fondprof (Pieu 1/1)

|    |        |        |        |       |        |        |        |        |        |        |
|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| 02 | 3.50   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 3.30   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 3.10   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.90   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.70   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.50   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.30   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 2.10   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.90   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.70   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.50   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.30   | 0.00   | 290.0  | 1.300 | 0.0    | 250.6  | 90.1   | 110.2  | 180.1  | 198.1  |
| 02 | 1.10   | 0.00   | 321.0  | 1.300 | 0.0    | 277.4  | 99.8   | 121.9  | 199.3  | 219.3  |
| 02 | 0.90   | 0.00   | 352.0  | 1.300 | 0.0    | 304.2  | 109.4  | 133.7  | 218.6  | 240.5  |
| 02 | 0.70   | 0.00   | 383.0  | 1.300 | 0.0    | 331.0  | 119.0  | 145.5  | 237.8  | 261.6  |
| 02 | 0.50   | 0.00   | 414.0  | 1.300 | 0.0    | 357.8  | 128.7  | 157.3  | 257.1  | 282.8  |
| 02 | 0.30   | 0.00   | 445.0  | 1.300 | 0.0    | 384.6  | 138.3  | 169.0  | 276.3  | 304.0  |
| 02 | 0.10   | 0.00   | 476.0  | 1.300 | 0.0    | 411.4  | 148.0  | 180.8  | 295.6  | 325.2  |
| 02 | -0.10  | 0.00   | 507.0  | 1.300 | 0.0    | 438.1  | 157.6  | 192.6  | 314.8  | 346.4  |
| 02 | -0.20  | 0.00   | 522.5  | 1.300 | 0.0    | 451.5  | 162.4  | 198.5  | 324.5  | 356.9  |
| 03 | -0.20  | 55.00  | 600.0  | 1.267 | 0.0    | 505.3  | 181.7  | 222.1  | 363.1  | 399.4  |
| 03 | -0.40  | 55.00  | 600.0  | 1.280 | 31.8   | 510.5  | 199.6  | 243.9  | 389.7  | 428.7  |
| 03 | -0.60  | 55.00  | 600.0  | 1.293 | 63.6   | 515.7  | 217.5  | 265.8  | 416.3  | 457.9  |
| 03 | -0.80  | 55.00  | 600.0  | 1.300 | 95.4   | 518.5  | 234.5  | 286.6  | 441.1  | 485.3  |
| 03 | -1.00  | 55.00  | 600.0  | 1.300 | 127.2  | 518.5  | 250.4  | 306.1  | 464.0  | 510.4  |
| 03 | -1.20  | 55.00  | 600.0  | 1.300 | 159.0  | 518.5  | 266.4  | 325.7  | 486.8  | 535.6  |
| 03 | -1.40  | 55.00  | 600.0  | 1.300 | 190.8  | 518.5  | 282.4  | 345.2  | 509.7  | 560.7  |
| 03 | -1.60  | 55.00  | 600.0  | 1.300 | 222.6  | 518.5  | 298.4  | 364.8  | 532.5  | 585.8  |
| 03 | -1.80  | 55.00  | 614.5  | 1.300 | 254.3  | 531.0  | 318.9  | 389.8  | 564.4  | 620.9  |
| 03 | -2.00  | 55.00  | 643.5  | 1.300 | 286.1  | 556.1  | 343.9  | 420.4  | 605.2  | 665.8  |
| 03 | -2.20  | 55.00  | 672.5  | 1.300 | 317.9  | 581.2  | 368.9  | 451.0  | 646.1  | 710.7  |
| 03 | -2.40  | 55.00  | 701.5  | 1.300 | 349.7  | 606.2  | 393.9  | 481.5  | 686.9  | 755.7  |
| 03 | -2.60  | 55.00  | 730.5  | 1.300 | 381.5  | 631.3  | 418.9  | 512.1  | 727.8  | 800.6  |
| 03 | -2.80  | 55.00  | 759.5  | 1.300 | 413.3  | 656.4  | 443.9  | 542.7  | 768.6  | 845.6  |
| 03 | -3.00  | 55.00  | 788.5  | 1.300 | 445.1  | 681.4  | 468.9  | 573.2  | 809.5  | 890.5  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 476.9  | 706.5  | 493.9  | 603.8  | 850.3  | 935.5  |
| 03 | -3.20  | 55.00  | 817.5  | 1.300 | 476.9  | 706.5  | 493.9  | 603.8  | 850.3  | 935.5  |
| 04 | -3.20  | 61.00  | 890.0  | 1.285 | 476.9  | 760.2  | 513.2  | 627.4  | 888.9  | 977.9  |
| 04 | -3.40  | 61.00  | 890.0  | 1.291 | 512.2  | 763.9  | 532.3  | 650.7  | 916.9  | 1008.7 |
| 04 | -3.60  | 61.00  | 890.0  | 1.297 | 547.4  | 767.6  | 551.3  | 674.1  | 944.9  | 1039.5 |
| 04 | -3.80  | 61.00  | 890.0  | 1.300 | 582.7  | 769.1  | 569.6  | 696.4  | 971.4  | 1068.6 |
| 04 | -4.00  | 61.00  | 890.0  | 1.300 | 617.9  | 769.1  | 587.3  | 718.1  | 996.7  | 1096.5 |
| 04 | -4.20  | 61.00  | 890.0  | 1.300 | 653.2  | 769.1  | 605.1  | 739.8  | 1022.1 | 1124.4 |
| 04 | -4.40  | 61.00  | 1073.0 | 1.268 | 688.5  | 904.2  | 671.4  | 820.8  | 1144.4 | 1259.0 |
| 04 | -4.60  | 61.00  | 1256.0 | 1.233 | 723.7  | 1029.6 | 734.2  | 897.6  | 1259.9 | 1386.0 |
| 04 | -4.80  | 61.00  | 1439.0 | 1.207 | 759.0  | 1154.9 | 797.0  | 974.4  | 1375.3 | 1513.0 |
| 04 | -5.00  | 61.00  | 1622.0 | 1.188 | 794.2  | 1281.1 | 860.1  | 1051.5 | 1491.3 | 1640.6 |
| 04 | -5.20  | 61.00  | 1805.0 | 1.173 | 829.5  | 1407.9 | 923.4  | 1129.0 | 1607.8 | 1768.7 |
| 04 | -5.40  | 61.00  | 1988.0 | 1.161 | 864.8  | 1534.8 | 986.8  | 1206.4 | 1724.2 | 1896.9 |
| 04 | -5.60  | 61.00  | 2171.0 | 1.151 | 900.0  | 1661.6 | 1050.2 | 1283.9 | 1840.7 | 2025.0 |
| 04 | -5.70  | 61.00  | 2262.5 | 1.147 | 917.7  | 1725.0 | 1081.8 | 1322.6 | 1899.0 | 2089.1 |
| 05 | -5.70  | 171.00 | 2720.0 | 1.407 | 917.7  | 2544.9 | 1376.7 | 1682.9 | 2488.1 | 2737.2 |
| 05 | -5.90  | 171.00 | 2720.0 | 1.446 | 1016.5 | 2615.1 | 1451.7 | 1774.6 | 2609.6 | 2870.8 |
| 05 | -6.10  | 171.00 | 2720.0 | 1.485 | 1115.4 | 2685.3 | 1526.6 | 1866.2 | 2731.1 | 3004.5 |
| 05 | -6.30  | 171.00 | 2720.0 | 1.524 | 1214.2 | 2755.6 | 1601.6 | 1957.9 | 2852.6 | 3138.2 |
| 05 | -6.50  | 171.00 | 2720.0 | 1.563 | 1313.0 | 2825.8 | 1676.6 | 2049.6 | 2974.1 | 3271.8 |
| 05 | -6.70  | 171.00 | 2720.0 | 1.602 | 1411.9 | 2896.0 | 1751.5 | 2141.2 | 3095.6 | 3405.5 |
| 05 | -6.90  | 171.00 | 2720.0 | 1.641 | 1510.7 | 2966.3 | 1826.5 | 2232.9 | 3217.1 | 3539.1 |
| 05 | -7.10  | 171.00 | 2720.0 | 1.679 | 1609.6 | 3036.5 | 1901.4 | 2324.6 | 3338.6 | 3672.8 |
| 05 | -7.30  | 171.00 | 2720.0 | 1.718 | 1708.4 | 3106.7 | 1976.4 | 2416.2 | 3460.1 | 3806.5 |
| 05 | -7.50  | 171.00 | 2720.0 | 1.757 | 1807.3 | 3177.0 | 2051.4 | 2507.9 | 3581.6 | 3940.1 |
| 05 | -7.70  | 171.00 | 2720.0 | 1.796 | 1906.1 | 3247.2 | 2126.3 | 2599.5 | 3703.1 | 4073.8 |
| 05 | -7.90  | 171.00 | 2720.0 | 1.835 | 2005.0 | 3317.4 | 2201.3 | 2691.2 | 3824.6 | 4207.4 |
| 05 | -8.10  | 171.00 | 2720.0 | 1.874 | 2103.8 | 3387.7 | 2276.2 | 2782.9 | 3946.1 | 4341.1 |
| 05 | -8.30  | 171.00 | 2720.0 | 1.912 | 2202.7 | 3457.9 | 2351.2 | 2874.5 | 4067.6 | 4474.8 |
| 05 | -8.50  | 171.00 | 2720.0 | 1.951 | 2301.5 | 3528.1 | 2426.1 | 2966.2 | 4189.1 | 4608.4 |
| 05 | -8.70  | 171.00 | 2720.0 | 1.990 | 2400.4 | 3598.4 | 2501.1 | 3057.9 | 4310.6 | 4742.1 |
| 05 | -8.90  | 171.00 | 2720.0 | 2.000 | 2499.2 | 3616.3 | 2557.2 | 3126.5 | 4394.5 | 4834.4 |
| 05 | -9.10  | 171.00 | 2720.0 | 2.000 | 2598.1 | 3616.3 | 2606.9 | 3187.3 | 4465.5 | 4912.5 |
| 05 | -9.30  | 171.00 | 2720.0 | 2.000 | 2696.9 | 3616.3 | 2656.6 | 3248.1 | 4536.5 | 4990.7 |
| 05 | -9.50  | 171.00 | 2720.0 | 2.000 | 2795.8 | 3616.3 | 2706.3 | 3308.9 | 4607.6 | 5068.8 |
| 05 | -9.70  | 171.00 | 2720.0 | 2.000 | 2894.6 | 3616.3 | 2756.0 | 3369.7 | 4678.6 | 5147.0 |
| 05 | -9.90  | 171.00 | 2720.0 | 2.000 | 2993.4 | 3616.3 | 2805.7 | 3430.5 | 4749.6 | 5225.1 |
| 05 | -10.10 | 171.00 | 2720.0 | 2.000 | 3092.3 | 3616.3 | 2855.4 | 3491.3 | 4820.6 | 5303.2 |
| 05 | -10.30 | 171.00 | 2720.0 | 2.000 | 3191.1 | 3616.3 | 2905.1 | 3552.1 | 4891.7 | 5381.4 |
| 05 | -10.50 | 171.00 | 2720.0 | 2.000 | 3290.0 | 3616.3 | 2954.8 | 3612.9 | 4962.7 | 5459.5 |
| 05 | -10.70 | 171.00 | 2720.0 | 2.000 | 3388.8 | 3616.3 | 3004.5 | 3673.7 | 5033.7 | 5537.7 |
| 05 | -10.90 | 171.00 | 2720.0 | 2.000 | 3487.7 | 3616.3 | 3054.2 | 3734.5 | 5104.8 | 5615.8 |
| 05 | -11.10 | 171.00 | 2720.0 | 2.000 | 3586.5 | 3616.3 | 3103.9 | 3795.2 | 5175.8 | 5693.9 |
| 05 | -11.30 | 171.00 | 2720.0 | 2.000 | 3685.4 | 3616.3 | 3153.6 | 3856.0 | 5246.8 | 5772.1 |
| 05 | -11.50 | 171.00 | 2720.0 | 2.000 | 3784.2 | 3616.3 | 3203.3 | 3916.8 | 5317.8 | 5850.2 |
| 05 | -11.70 | 171.00 | 2720.0 | 2.000 | 3883.1 | 3616.3 | 3253.0 | 3977.6 | 5388.9 | 5928.4 |
| 05 | -11.90 | 171.00 | 2720.0 | 2.000 | 3981.9 | 3616.3 | 3302.7 | 4038.4 | 5459.9 | 6006.5 |
| 05 | -12.10 | 171.00 | 2720.0 | 2.000 | 4080.8 | 3616.3 | 3352.4 | 4099.2 | 5530.9 | 6084.6 |
| 05 | -12.30 | 171.00 | 2720.0 | 2.000 | 4179.6 | 3616.3 | 3402.1 | 4160.0 | 5602.0 | 6162.8 |
| 05 | -12.50 | 171.00 | 2720.0 | 2.000 | 4278.5 | 3616.3 | 3451.8 | 4220.8 | 5673.0 | 6240.9 |

|    |        |        |        |       |        |        |        |        |         |         |
|----|--------|--------|--------|-------|--------|--------|--------|--------|---------|---------|
| 05 | -12.70 | 171.00 | 2720.0 | 2.000 | 4377.3 | 3616.3 | 3501.5 | 4281.6 | 5744.0  | 6319.1  |
| 05 | -12.90 | 171.00 | 2720.0 | 2.000 | 4476.2 | 3616.3 | 3551.2 | 4342.4 | 5815.1  | 6397.2  |
| 05 | -13.10 | 171.00 | 2720.0 | 2.000 | 4575.0 | 3616.3 | 3600.9 | 4403.2 | 5886.1  | 6475.3  |
| 05 | -13.30 | 171.00 | 2720.0 | 2.000 | 4673.8 | 3616.3 | 3650.6 | 4464.0 | 5957.1  | 6553.5  |
| 05 | -13.50 | 171.00 | 2720.0 | 2.000 | 4772.7 | 3616.3 | 3700.3 | 4524.8 | 6028.1  | 6631.6  |
| 05 | -13.70 | 171.00 | 2720.0 | 2.000 | 4871.5 | 3616.3 | 3750.0 | 4585.6 | 6099.2  | 6709.8  |
| 05 | -13.90 | 171.00 | 2720.0 | 2.000 | 4970.4 | 3616.3 | 3799.7 | 4646.3 | 6170.2  | 6787.9  |
| 05 | -14.10 | 171.00 | 2720.0 | 2.000 | 5069.2 | 3616.3 | 3849.4 | 4707.1 | 6241.2  | 6866.0  |
| 05 | -14.30 | 171.00 | 2720.0 | 2.000 | 5168.1 | 3616.3 | 3899.1 | 4767.9 | 6312.3  | 6944.2  |
| 05 | -14.50 | 171.00 | 2720.0 | 2.000 | 5266.9 | 3616.3 | 3948.8 | 4828.7 | 6383.3  | 7022.3  |
| 05 | -14.70 | 171.00 | 2720.0 | 2.000 | 5365.8 | 3616.3 | 3998.5 | 4889.5 | 6454.3  | 7100.5  |
| 05 | -14.90 | 171.00 | 2720.0 | 2.000 | 5464.6 | 3616.3 | 4048.2 | 4950.3 | 6525.3  | 7178.6  |
| 05 | -15.10 | 171.00 | 2720.0 | 2.000 | 5563.5 | 3616.3 | 4097.9 | 5011.1 | 6596.4  | 7256.7  |
| 05 | -15.30 | 171.00 | 2720.0 | 2.000 | 5662.3 | 3616.3 | 4147.6 | 5071.9 | 6667.4  | 7334.9  |
| 05 | -15.50 | 171.00 | 2720.0 | 2.000 | 5761.2 | 3616.3 | 4197.2 | 5132.7 | 6738.4  | 7413.0  |
| 05 | -15.70 | 171.00 | 2720.0 | 2.000 | 5860.0 | 3616.3 | 4246.9 | 5193.5 | 6809.5  | 7491.2  |
| 05 | -15.90 | 171.00 | 2720.0 | 2.000 | 5958.9 | 3616.3 | 4296.6 | 5254.3 | 6880.5  | 7569.3  |
| 05 | -16.10 | 171.00 | 2720.0 | 2.000 | 6057.7 | 3616.3 | 4346.3 | 5315.1 | 6951.5  | 7647.4  |
| 05 | -16.30 | 171.00 | 2720.0 | 2.000 | 6156.6 | 3616.3 | 4396.0 | 5375.9 | 7022.5  | 7725.6  |
| 05 | -16.50 | 171.00 | 2720.0 | 2.000 | 6255.4 | 3616.3 | 4445.7 | 5436.7 | 7093.6  | 7803.7  |
| 05 | -16.70 | 171.00 | 2720.0 | 2.000 | 6354.2 | 3616.3 | 4495.4 | 5497.4 | 7164.6  | 7881.9  |
| 05 | -16.90 | 171.00 | 2720.0 | 2.000 | 6453.1 | 3616.3 | 4545.1 | 5558.2 | 7235.6  | 7960.0  |
| 05 | -17.10 | 171.00 | 2720.0 | 2.000 | 6551.9 | 3616.3 | 4594.8 | 5619.0 | 7306.7  | 8038.1  |
| 05 | -17.30 | 171.00 | 2800.5 | 2.000 | 6650.8 | 3723.3 | 4683.0 | 5726.9 | 7454.6  | 8200.9  |
| 05 | -17.50 | 171.00 | 2961.5 | 2.000 | 6749.6 | 3937.4 | 4809.7 | 5881.7 | 7679.4  | 8448.2  |
| 05 | -17.70 | 171.00 | 3122.5 | 2.000 | 6848.5 | 4151.4 | 4936.4 | 6036.6 | 7904.3  | 8695.6  |
| 05 | -17.90 | 171.00 | 3283.5 | 2.000 | 6947.3 | 4365.5 | 5063.1 | 6191.5 | 8129.1  | 8942.9  |
| 05 | -18.10 | 171.00 | 3444.5 | 2.000 | 7046.2 | 4579.5 | 5189.8 | 6346.4 | 8354.0  | 9190.3  |
| 05 | -18.30 | 171.00 | 3605.5 | 2.000 | 7145.0 | 4793.6 | 5316.5 | 6501.2 | 8578.8  | 9437.6  |
| 05 | -18.50 | 171.00 | 3766.5 | 2.000 | 7243.9 | 5007.6 | 5443.1 | 6656.1 | 8803.7  | 9685.0  |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 7342.7 | 5221.7 | 5569.8 | 6811.0 | 9028.5  | 9932.3  |
| 05 | -18.70 | 171.00 | 3927.5 | 2.000 | 7342.7 | 5221.7 | 5569.8 | 6811.0 | 9028.5  | 9932.3  |
| 06 | -18.70 | 197.00 | 4330.0 | 2.000 | 7342.7 | 5756.8 | 5762.3 | 7046.2 | 9413.0  | 10355.4 |
| 06 | -18.90 | 197.00 | 4408.8 | 2.000 | 7456.6 | 5861.6 | 5857.3 | 7162.3 | 9570.2  | 10528.2 |
| 06 | -19.10 | 197.00 | 4471.1 | 2.000 | 7570.5 | 5944.4 | 5944.3 | 7268.7 | 9711.5  | 10683.7 |
| 06 | -19.30 | 197.00 | 4531.0 | 2.000 | 7684.3 | 6024.1 | 6030.2 | 7373.8 | 9850.6  | 10836.7 |
| 06 | -19.50 | 197.00 | 4598.0 | 2.000 | 7798.2 | 6113.1 | 6119.5 | 7482.9 | 9996.4  | 10997.1 |
| 06 | -19.70 | 197.00 | 4665.0 | 2.000 | 7912.1 | 6202.2 | 6208.8 | 7592.1 | 10142.2 | 11157.6 |
| 06 | -19.90 | 197.00 | 4732.0 | 2.000 | 8026.0 | 6291.3 | 6298.1 | 7701.3 | 10288.1 | 11318.0 |
| 06 | -20.10 | 197.00 | 4799.0 | 2.000 | 8139.9 | 6380.4 | 6387.4 | 7810.5 | 10433.9 | 11478.4 |
| 06 | -20.20 | 197.00 | 4832.5 | 2.000 | 8196.8 | 6424.9 | 6432.0 | 7865.1 | 10506.8 | 11558.7 |
| 07 | -20.20 | 200.00 | 5000.0 | 2.000 | 8196.8 | 6647.6 | 6512.1 | 7963.0 | 10666.8 | 11734.7 |
| 07 | -20.40 | 200.00 | 5000.0 | 2.000 | 8312.4 | 6647.6 | 6570.2 | 8034.1 | 10749.9 | 11826.1 |
| 07 | -20.60 | 200.00 | 5000.0 | 2.000 | 8428.0 | 6647.6 | 6628.4 | 8105.2 | 10833.0 | 11917.5 |
| 07 | -20.80 | 200.00 | 5000.0 | 2.000 | 8543.6 | 6647.6 | 6686.5 | 8176.3 | 10916.1 | 12008.9 |
| 07 | -21.00 | 200.00 | 5000.0 | 2.000 | 8659.2 | 6647.6 | 6744.6 | 8247.4 | 10999.1 | 12100.3 |
| 07 | -21.20 | 200.00 | 5000.0 | 2.000 | 8774.8 | 6647.6 | 6802.7 | 8318.5 | 11082.2 | 12191.7 |
| 07 | -21.40 | 200.00 | 5000.0 | 2.000 | 8890.5 | 6647.6 | 6860.9 | 8389.6 | 11165.3 | 12283.1 |
| 07 | -21.60 | 200.00 | 5000.0 | 2.000 | 9006.1 | 6647.6 | 6919.0 | 8460.7 | 11248.4 | 12374.4 |
| 07 | -21.80 | 200.00 | 5000.0 | 2.000 | 9121.7 | 6647.6 | 6977.1 | 8531.8 | 11331.4 | 12465.8 |
| 07 | -22.00 | 200.00 | 5000.0 | 2.000 | 9237.3 | 6647.6 | 7035.2 | 8602.9 | 11414.5 | 12557.2 |
| 07 | -22.20 | 200.00 | 5000.0 | 2.000 | 9352.9 | 6647.6 | 7093.4 | 8674.0 | 11497.6 | 12648.6 |
| 07 | -22.40 | 200.00 | 5000.0 | 2.000 | 9468.5 | 6647.6 | 7151.5 | 8745.1 | 11580.7 | 12740.0 |
| 07 | -22.60 | 200.00 | 5000.0 | 2.000 | 9584.1 | 6647.6 | 7209.6 | 8816.2 | 11663.7 | 12831.4 |
| 07 | -22.80 | 200.00 | 5000.0 | 2.000 | 9699.7 | 6647.6 | 7267.7 | 8887.3 | 11746.8 | 12922.8 |
| 07 | -23.00 | 200.00 | 5000.0 | 2.000 | 9815.3 | 6647.6 | 7325.9 | 8958.4 | 11829.9 | 13014.2 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 9931.0 | 6647.6 | 7384.0 | 9029.5 | 11913.0 | 13105.6 |
| 07 | -23.20 | 200.00 | 5000.0 | 2.000 | 9931.0 | 6647.6 | 7384.0 | 9029.5 | 11913.0 | 13105.6 |

# Capacité du pieu pour chaque combinaison en fonction de la profondeur

