

VYHODNOCENÍ TĚŽKÉ/STŘEDNÍ DYNAMICKÉ PENETRAČNÍ ZKOUŠKY

Zakázka: Geotechnický průzkum "ROZVOJ AREÁLU VOZOVNY DPMB, A. S. SLATINA "

Datum: 21.02.2025

Je doporučeno přednostně využívat tmavě zelené sloupce

hloubka sondy H 13.7 m
hladina vody HPV ? m
obj. hm. vody γ_{H2O} 9.81 kN/m3
hmotnost beranu M_h 50/30 kg
pád beranu H_h 0.5 m
hmotnost válce M_a 17 kg
hmotnost tyče M_t 4.75 kg
gravit. zrychlení g 9.81 m/s2
úhel hrotu α 90 deg
průměr hrotu D 0.044 m
plocha kužele A 0.0015 m2
přepočetz z Mmt N_{pcm} 0.03

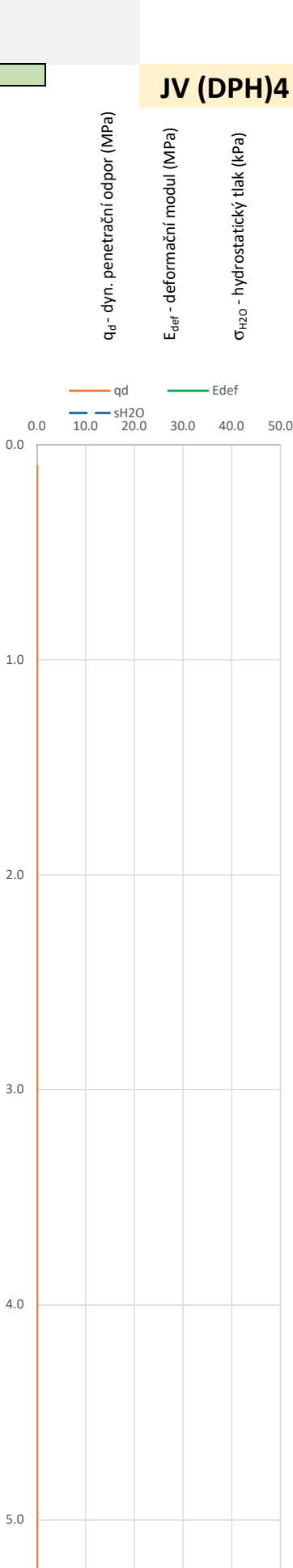
pa 101 kPa
Realizoval: L. Antonyan
Vyhodnotil: I. Poul

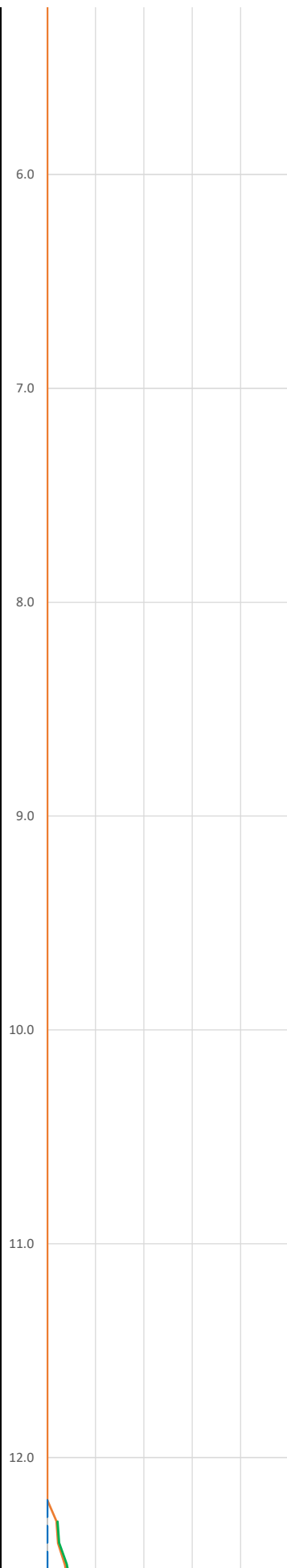
Hladina podzemní vody nebyla
zjištěna

Vyhodnoceno podle: ČSN EN1997-
2, ČSN EN ISO 22476-2

| vypočet q _d | | | | | | | | | | | | Stav EN | Typ (stav, nel, počet) | Hy | Kol | Kol 14f | Kol 613 P 7 | Ule 19f | Ule 14f | Ule čs | Kla čs | Obj mir | Stav ma | Poc | Stav | Stav | CBR | Poi | ko | E _{oed} | pře | Kol |
|------------------------|----------------|-----------------|-----------------|-----------------|------|------|-----|-------|-----------------|----------------|-----|----------------|------------------------|--------------|------------------|----------------|----------------|----------------|---------|-----------------|-----------------|-----------------|----------------|-----|------|------|------------------|------------------|----|------------------|-----|-----|
| H | N _p | M _{mt} | N _{pc} | N _{pc} | typ | Geot | Typ | N/10 | N ₆₀ | r _d | tyč | q _d | c _u | popis zeminy | σ _{H2O} | I _c | I _c | I _b | γ | Φ _{ef} | c _{ef} | Φ _{ef} | c _u | CBR | ν | β | E _{oed} | E _{def} | | | | |
| (m) | | Nm | Z | m _{mt} | zem. | yp | DP | | | | | (MPa) | (kPa) | | | | | | kN/m3 | (°) | (kPa) | (°) | (kPa) | (%) | - | - | (MPa) | (MPa) | | | | |
| 0.0 | VA V HL. 6,0 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.1 | | | 0.0 | | Pr | 5 | DPM | ##### | ##### | ##### | 1 | ##### | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.2 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.3 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.4 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.5 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.6 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.7 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.8 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 0.9 | | 0 | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 1 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.0 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.1 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.2 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.3 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.4 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.5 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.6 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.7 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.8 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 1.9 | | 0 | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 2 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.0 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.1 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.2 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.3 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.4 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.5 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.6 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.7 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.8 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 2.9 | | 0 | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 3 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 3.0 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 3.1 | | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | |
| 3.2 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.3 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.4 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.5 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.6 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.7 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.8 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 3.9 | 0 | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 4 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.0 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.1 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.2 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.3 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.4 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.5 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.6 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.7 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.8 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 4.9 | 0 | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 5 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 5.0 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 6 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 5.1 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 6 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |
| 5.2 | | 0.0 | | Pr | 5 | DPM | 0.1 | 0 | 0.0 | 6 | 0.0 | | prach, hlína | | | | | | 19 | | | | | | | | | | | | | |

VA V HL. 6,0 m



[illegible]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-----|----|------|--|-----|---|-----|-------|-----|-------|----|-------|--|------------------|-----|--|--|--|------|----------------|----------------|--|----|--|--|----|--|--|--|------|------|--|--|--------|
| 12.6 | 10 | | 2.9 | | Šjm | 3 | DPH | 7.1 | 14 | 11.6 | 13 | 4.5 | | šterk jemnozrnný | 0.0 | | | | 0.38 | středně ulehlý | středně ulehlý | | 20 | | | 34 | | | | 0.31 | 0.73 | | | 4.95 |
| 12.7 | 23 | | 2.6 | | Šjm | 3 | DPH | 20.4 | 40 | 33.3 | 13 | 12.9 | | šterk jemnozrnný | 0.0 | | | | 0.58 | středně ulehlý | středně ulehlý | | 20 | | | 39 | | | | 0.27 | 0.80 | | | 14.22 |
| 12.8 | 29 | | 2.4 | | Šjm | 3 | DPH | 26.6 | 53 | 43.5 | 13 | 16.9 | | šterk jemnozrnný | 0.0 | | | | 0.63 | středně ulehlý | středně ulehlý | | 20 | | | 41 | | | | 0.26 | 0.82 | | | 18.60 |
| 12.9 | 22 | 70 | 2.1 | | Šjm | 3 | DPH | 19.9 | 39 | 32.5 | 13 | 12.6 | | šterk jemnozrnný | 0.0 | | | | 0.58 | středně ulehlý | středně ulehlý | | 20 | | | 39 | | | | 0.27 | 0.80 | | | 13.90 |
| 13.0 | 23 | | 3.1 | | Šjm | 3 | DPH | 19.9 | 40 | 32.6 | 14 | 12.2 | | šterk jemnozrnný | 0.0 | | | | 0.57 | středně ulehlý | středně ulehlý | | 20 | | | 39 | | | | 0.27 | 0.80 | | | 13.41 |
| 13.1 | 12 | | 4.1 | | Šjm | 3 | DPH | 7.9 | 16 | 13.0 | 14 | 4.9 | | šterk jemnozrnný | 0.0 | | | | 0.40 | středně ulehlý | středně ulehlý | | 20 | | | 34 | | | | 0.30 | 0.74 | | | 5.34 |
| 13.2 | 37 | | 5.1 | | Šjm | 3 | DPH | 31.9 | 63 | 52.2 | 14 | 19.6 | | šterk jemnozrnný | 0.0 | | | | 0.66 | ulehlý | středně ulehlý | | 20 | | | 41 | | | | 0.25 | 0.83 | | | 21.51 |
| 13.3 | 60 | | 6.1 | | Šjm | 3 | DPH | 53.9 | 107 | 88.2 | 14 | 33.0 | | šterk jemnozrnný | 0.0 | | | | 0.76 | ulehlý | ulehlý | | 20 | | | 44 | | | | 0.23 | 0.86 | | | 36.34 |
| 13.4 | 95 | | 7.1 | | Š | 3 | DPH | 88.0 | 174 | 143.8 | 14 | 53.9 | | šterk | 0.0 | | | | 0.85 | velmi ulehlý | ulehlý | | 21 | | | 46 | | | | 0.22 | 0.88 | | | 59.25 |
| 13.5 | 94 | | 8.0 | | Š | 3 | DPH | 86.0 | 171 | 140.6 | 14 | 52.6 | | šterk | 0.0 | | | | 0.85 | ulehlý | ulehlý | | 21 | | | 46 | | | | 0.22 | 0.88 | | | 57.91 |
| 13.6 | 120 | | 9.0 | | Š | 3 | DPH | 111.0 | 220 | 181.5 | 14 | 68.0 | | šterk | 0.0 | | | | 0.90 | velmi ulehlý | ulehlý | | 22 | | | 48 | | | | 0.21 | 0.89 | | | 74.76 |
| 13.7 | 500 | | 10.0 | | Š | 3 | DPH | 490.0 | 972 | 801.2 | 14 | 300.1 | | šterk | 0.0 | | | | 1.18 | velmi ulehlý | ulehlý | | 22 | | | 55 | | | | 0.15 | 0.94 | | | 330.08 |

