

# SPECIALIZED INPUT SPACES

(b)

| Mohr-Coulomb          |     |                       |      |      |      |
|-----------------------|-----|-----------------------|------|------|------|
| TABLE A               |     | $\varphi_{int}$ (deg) |      |      |      |
|                       |     | 30                    | 35   | 40   | 45   |
| $\varphi_{bed}$ (deg) | 5.5 | 1170                  | 1150 | 1120 | 1100 |
|                       | 6   | 1230                  | 1200 | 1180 | 1130 |
|                       | 6.5 | 1260                  | 1230 | 1200 | 1160 |
|                       | 7   |                       | 1280 | 1250 | 1220 |

(a)

| Voellmy-Salm           |     |                  |      |      |      |
|------------------------|-----|------------------|------|------|------|
| TABLE C                |     | $\log_{10}(\xi)$ |      |      |      |
|                        |     | 2.5              | 3.0  | 3.5  | 4.0  |
| atan( $\mu$ )<br>(deg) | 1   | 1220             | 1020 | 980  | 970  |
|                        | 1.5 | 1260             | 1060 | 1010 | 990  |
|                        | 2   | 1330             | 1200 | 1060 | 1010 |
|                        | 2.5 | 1390             | 1280 | 1170 | 1050 |
|                        | 3   |                  | 1360 | 1280 | 1200 |
|                        |     |                  |      | 1370 | 1280 |

| Pouliquenne-Forterre (1) |     |       |      | $\beta=0.1$ | $\varphi_2=7$ (deg) |      |
|--------------------------|-----|-------|------|-------------|---------------------|------|
| TABLE B1                 |     | L (m) |      |             |                     |      |
|                          |     | 0.1   | 0.2  | 0.3         | 0.4                 | 0.5  |
| $\varphi_1$ (deg)        | 1   |       | 1050 | 1080        | 1110                | 1130 |
|                          | 1.5 |       | 1090 | 1120        | 1150                | 1170 |
|                          | 2   |       | 1140 | 1170        | 1200                | 1220 |
|                          | 2.5 |       | 1210 | 1230        | 1250                | 1260 |
|                          | 3   |       |      |             |                     |      |

(c)

| Pouliquenne-Forterre (2) |     |       |      | $\beta=0.3$ | $\varphi_2=11$ (deg) |      |
|--------------------------|-----|-------|------|-------------|----------------------|------|
| TABLE B2                 |     | L (m) |      |             |                      |      |
|                          |     | 0.1   | 0.2  | 0.3         | 0.4                  | 0.5  |
| $\varphi_1$ (deg)        | 1   | 990   | 1020 | 1070        | 1110                 | 1150 |
|                          | 1.5 | 1020  | 1070 | 1120        | 1170                 | 1200 |
|                          | 2   | 1070  | 1130 | 1190        | 1220                 | 1250 |
|                          | 2.5 | 1150  | 1220 | 1260        | 1280                 |      |
|                          | 3   | 1230  | 1290 |             |                      |      |

| Pouliquenne-Forterre (3) |     |       | $\beta=0.5$ |      | $\varphi_2=15$ (deg) |      |
|--------------------------|-----|-------|-------------|------|----------------------|------|
| TABLE B3                 |     | L (m) |             |      |                      |      |
|                          |     | 0.1   | 0.2         | 0.3  | 0.4                  | 0.5  |
| $\varphi_1$ (deg)        | 1   | 990   | 1020        | 1090 | 1130                 | 1170 |
|                          | 1.5 | 1020  | 1090        | 1150 | 1200                 | 1230 |
|                          | 2   | 1070  | 1160        | 1220 | 1260                 | 1290 |
|                          | 2.5 | 1170  | 1250        | 1280 |                      |      |
|                          | 3   | 1250  | 1330        |      |                      |      |

| Pouliquenne-Forterre (4) |     |       | $\beta=0.7$ |      | $\varphi_2=19$ (deg) |      |
|--------------------------|-----|-------|-------------|------|----------------------|------|
| TABLE B4                 |     | L (m) |             |      |                      |      |
|                          |     | 0.1   | 0.2         | 0.3  | 0.4                  | 0.5  |
| $\varphi_1$ (deg)        | 1   | 990   | 1050        | 1110 | 1170                 | 1220 |
|                          | 1.5 | 1020  | 1100        | 1170 | 1230                 | 1280 |
|                          | 2   | 1090  | 1190        | 1250 | 1300                 |      |
|                          | 2.5 | 1190  | 1270        | 1340 |                      |      |
|                          | 3   | 1260  | 1360        |      |                      |      |