

DANE DO PROJEKTU POSADOWIENIA NA STOPACH
Wyniki badań geotechnicznych

Nr	Przelot [m]	Rodzaj gruntu	γ_k [kN/m ³]	φ'_k [°]	c'_k [kPa]	c_{uk} [kPa]	M_0 [MPa]
1	2	3	4	5	6	7	8
1	0.0 – 3.3 3.3 – 10.0	sisaCl MSa	20.2 18.4	18.3 34.4	32.8 0	118.2 –	60 110
2	0.0 – 2.9 2.9 – 10.0	clSi FSa	22.3 17.5	12.7 32.8	38.3 0	90.6 –	75 105
3	0.0 – 2.2 2.2 – 10.0	saSi CSa	20.7 18.5	19.9 35.6	25.5 0	86.4 –	65 108
4	0.0 – 2.6 2.6 – 10.0	Cl MSa	21.3 18.8	14.5 34.3	48.3 0	128.3 –	40 95
5	0.0 – 3.1 3.1 – 10.0	siCl Gr	22.9 20.7	15.2 40.4	36.8 0	99.2 –	55 100
6	0.0 – 3.2 3.2 – 10.0	sisaCl FSa	20.7 17.3	18.3 35.4	35.4 0	76.7 –	52 95
7	0.0 – 2.9 2.9 – 10.0	Si MSa	21.6 18.4	20.6 36.4	28.8 0	68.8 –	62 92
8	0.0 – 2.2 2.2 – 10.0	saSi saGr	22.5 20.9	19.7 40.9	26.6 0	89.9 –	56 115
9	0.0 – 2.6 2.6 – 10.0	sisaCl MSa	21.2 18.1	22.2 33.4	34.4 0	81.3 –	60 110
10	0.0 – 2.1 2.1 – 10.0	siCl siSa	22.3 17.5	14.3 35.6	42.3 0	104.2 –	55 105
11	0.0 – 2.7 2.7 – 10.0	saCl FSa	22.3 16.7	12.8 31.6	40.8 0	86.1 –	48 75
12	0.0 – 2.0 2.0 – 10.0	siCl MSa	21.3 17.8	10.5 31.4	46.9 0	110.7 –	41 82
13	0.0 – 2.8 2.8 – 10.0	Si MSa	22.4 16.5	11.2 30.1	42.0 0	85.8 –	65 105
14	0.0 – 2.5 2.5 – 10.0	clSi FSa	20.6 19.7	17.0 39.4	34.2 0	74.9 –	55 108
15	0.0 – 2.4 2.4 – 10.0	saSi CSa	22.2 17.1	12.9 32.3	58.1 0	120.3 –	55 95
16	0.0 – 2.1 2.1 – 10.0	Cl MSa	20.6 17.8	18.2 35.2	35.5 0	76.5 –	55 90
17	0.0 – 2.9 2.9 – 10.0	siCl Gr	21.4 18.3	20.9 38.9	38.4 0	98.7 –	42 124
18	0.0 – 2.9 2.9 – 10.0	clSi saGr	22.2 20.1	19.2 40.4	26.6 0	75.8 –	52 95
19	0.0 – 3.0 3.0 – 10.0	siCl MSa	21.0 18.8	22.2 33.4	34.8 0	81.9 –	62 92
20	0.0 – 3.3 3.3 – 10.0	sisaCl CSa	22.2 17.4	14.6 35.4	40.3 0	86.2 –	56 115
21	0.0 – 3.0 3.0 – 10.0	sisaCl MSa	21.2 17.3	20.3 34.1	32.7 0	78.5 –	60 90
22	0.0 – 3.5 3.5 – 10.0	siCl CSa	20.6 18.8	17.8 34.0	46.6 0	98.6 –	55 105
23	0.0 – 3.8 3.8 – 10.0	saCl FSa	22.7 16.2	11.9 30.4	42.3 0	85.9 –	48 75
24	0.0 – 3.1 3.1 – 10.0	sasiCl saGr	20.4 19.6	17.6 39.7	34.5 0	74.9 –	41 112
25	0.0 – 3.2 3.2 – 10.0	Cl siSa	22.3 17.7	12.3 32.4	58.6 0	120.1 –	45 95
26	0.0 – 2.9 2.9 – 10.0	sisaCl MSa	20.4 17.2	18.6 35.7	28.7 0	76.9 –	55 108
27	0.0 – 2.2 2.2 – 10.0	Si MSa	21.1 18.8	20.8 36.8	18.9 0	98.4 –	55 95
28	0.0 – 2.6 2.6 – 10.0	saSi saGr	22.6 20.0	19.9 40.0	26.0 0	85.6 –	55 120

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Nr	Przelot [m]	Rodzaj gruntu	γ_k [kN/m ³]	ϕ'_k [°]	c'_k [kPa]	c_{uk} [kPa]	M_0 [MPa]
1	2	3	4	5	6	7	8
29	0.0 – 2.1 2.1 – 10.0	sisaCl MSa	21.3 18.2	22.2 33.4	34.3 0	81.9 –	60 110
30	0.0 – 2.7 2.7 – 10.0	siCl siSa	22.1 17.2	14.5 35.7	42.2 0	96.9 –	55 85
31	0.0 – 2.0 2.0 – 10.0	saCl FSa	22.5 16.3	12.6 31.3	40.2 0	86.9 –	55 108
32	0.0 – 2.8 2.8 – 10.0	siCl FSa	21.7 17.4	10.2 31.4	46.1 0	110.0 –	45 95
33	0.0 – 3.0 3.0 – 10.0	siCl MSa	21.1 17.3	10.6 31.7	46.5 0	110.3 –	55 100
34	0.0 – 3.5 3.5 – 10.0	saCl FSa	22.5 16.3	11.4 30.3	42.3 0	85.2 –	52 95
35	0.0 – 3.8 3.8 – 10.0	sasiCl Gr	20.7 19.6	16.2 39.6	34.5 0	104.4 –	62 92
36	0.0 – 3.1 3.1 – 10.0	Cl siSa	22.3 17.7	12.7 32.8	58.7 0	120.5 –	56 115
37	0.0 – 3.2 3.2 – 10.0	sisaCl CSa	20.7 17.3	18.3 35.4	35.4 0	76.7 –	60 110
38	0.0 – 2.9 2.9 – 10.0	Si MSa	21.6 18.4	20.6 36.4	28.8 0	68.8 –	75 105
39	0.0 – 2.2 2.2 – 10.0	saSi saGr	22.5 20.9	19.7 40.9	26.6 0	89.9 –	48 75
40	0.0 – 2.6 2.6 – 10.0	sisaCl MSa	21.2 18.1	22.2 33.4	34.4 0	81.3 –	61 82
41	0.0 – 2.1 2.1 – 10.0	siCl siSa	22.3 17.5	14.3 35.6	42.3 0	106.2 –	75 105
42	0.0 – 3.8 3.8 – 10.0	siCl Sa	21.3 17.2	10.7 31.8	46.6 0	110.2 –	55 108
43	0.0 – 3.1 3.1 – 10.0	saCl FSa	22.4 16.6	11.3 30.2	42.6 0	95.4 –	55 95
44	0.0 – 3.2 3.2 – 10.0	sasiCl Gr	20.5 19.3	17.1 39.3	34.7 0	84.6 –	55 90
45	0.0 – 2.9 2.9 – 10.0	Cl siSa	22.5 17.7	11.4 32.5	58.8 0	120.3 –	42 124
46	0.0 – 2.2 2.2 – 10.0	sisaCl Sa	20.5 17.6	18.6 35.7	35.5 0	86.4 –	52 95
47	0.0 – 2.6 2.6 – 10.0	Si MSa	21.8 18.6	20.8 36.9	28.3 0	88.3 –	62 92
48	0.0 – 2.1 2.1 – 10.0	saSi saGr	22.3 20.4	19.4 40.5	26.4 0	75.5 –	56 115
49	0.0 – 2.7 2.7 – 10.0	sisaCl MSa	21.5 18.7	22.6 33.7	34.5 0	81.3 –	60 90
50	0.0 – 3.0 3.0 – 10.0	siCl siSa	22.2 17.4	15.2 35.4	42.6 0	96.5 –	55 105
51	0.0 – 2.8 2.8 – 10.0	saCl FSa	20.2 18.6	20.7 34.8	30.7 0	88.7 –	48 75
52	0.0 – 2.5 2.5 – 10.0	siCl FSa	21.8 17.5	10.9 31.3	46.8 0	110.1 –	41 112
53	0.0 – 2.4 2.4 – 10.0	Si MSa	22.8 16.4	11.2 30.5	42.2 0	85.3 –	45 95
54	0.0 – 2.1 2.1 – 10.0	clSi FSa	20.8 19.4	17.8 39.5	34.3 0	74.5 –	55 108
55	0.0 – 1.9 1.9 – 10.0	saSi CSa	22.8 17.3	12.8 32.3	28.4 0	90.7 –	55 105
56	0.0 – 2.9 2.9 – 10.0	Cl MSa	20.8 17.4	15.2 35.6	55.5 0	116.8 –	65 110

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1	2	3	4	5	6	7	8
57	0.0 – 3.0 3.0 – 10.0	siCl Gr	21.8 18.9	20.8 39.3	28.6 0	88.4 –	50 120
58	0.0 – 2.1 2.1 – 10.0	clSi saGr	22.3 20.5	19.7 40.2	26.9 0	75.3 –	55 115
59	0.0 – 2.8 2.8 – 10.0	siCl MSa	21.7 18.9	15.6 33.3	34.4 0	111.2 –	55 98
60	0.0 – 3.0 3.0 – 10.0	sisaCl FSa	22.3 17.2	18.7 33.3	41.3 0	86.8 –	45 95
61	0.0 – 3.5 3.5 – 10.0	siCl siSa	22.7 16.9	12.6 31.8	40.2 0	106.7 –	55 100
62	0.0 – 3.8 3.8 – 10.0	saCl FSa	21.3 17.4	10.5 31.4	46.5 0	110.4 –	52 95
63	0.0 – 3.1 3.1 – 10.0	siCl MSa	22.6 16.7	11.3 30.8	42.7 0	85.2 –	62 92
64	0.0 – 3.2 3.2 – 10.0	Si MSa	20.9 19.5	18.9 34.3	24.5 0	84.4 –	56 115
65	0.0 – 2.9 2.9 – 10.0	clSi FSa	22.3 17.5	12.7 32.8	58.3 0	120.6 –	60 110
66	0.0 – 2.2 2.2 – 10.0	saSi CSa	20.7 17.5	18.9 35.6	35.5 0	76.4 –	75 105
67	0.0 – 2.6 2.6 – 10.0	Cl MSa	21.3 18.8	14.5 36.3	48.3 0	128.3 –	48 75
68	0.0 – 3.1 3.1 – 10.0	siCl Gr	22.9 20.7	19.2 40.4	26.8 0	95.2 –	61 82
69	0.0 – 2.7 2.7 – 10.0	clSi saGr	21.4 18.3	22.6 33.7	34.2 0	81.4 –	75 105
70	0.0 – 2.5 2.5 – 10.0	siCl MSa	22.2 17.5	13.5 35.4	42.6 0	96.6 –	55 108
71	0.0 – 2.1 2.1 – 10.0	Cl MSa	22.6 18.7	18.5 34.9	45.5 0	78.3 –	55 95
72	0.0 – 2.7 2.7 – 10.0	siCl Gr	22.2 18.3	17.9 38.5	38.4 0	98.7 –	55 90
73	0.0 – 2.7 2.7 – 10.0	clSi saGr	25.7 20.1	19.2 40.4	36.6 0	77.8 –	52 124
74	0.0 – 3.1 3.1 – 10.0	siCl MSa	23.0 18.9	22.7 32.4	34.8 0	86.9 –	52 95
75	0.0 – 3.3 3.3 – 10.0	sisaCl FSa	22.2 17.4	14.6 33.4	32.3 0	77.2 –	62 92
76	0.0 – 3.0 3.0 – 10.0	saCl Sa	21.2 17.3	20.3 34.1	32.7 0	78.5 –	56 115
77	0.0 – 2.5 2.5 – 10.0	siCl Sa	20.6 18.8	17.8 34.0	46.6 0	98.6 –	60 90
78	0.0 – 2.8 2.8 – 10.0	saCl FSa	22.7 16.2	11.9 30.4	42.3 0	85.9 –	55 105
79	0.0 – 3.8 3.8 – 10.0	sasiCl Gr	20.7 19.6	17.2 39.6	34.5 0	74.4 –	48 125
80	0.0 – 3.1 3.1 – 10.0	Cl siSa	22.3 17.7	12.7 32.8	58.7 0	120.5 –	41 112
81	0.0 – 3.2 3.2 – 10.0	sisaCl Sa	20.7 17.3	18.3 35.4	35.4 0	76.7 –	45 95
82	0.0 – 2.9 2.9 – 10.0	Si MSa	21.6 18.4	20.6 36.4	28.8 0	68.8 –	55 108
83	0.0 – 2.2 2.2 – 10.0	saSi saGr	22.5 20.9	19.7 40.9	26.6 0	89.9 –	55 105
84	0.0 – 2.6 2.6 – 10.0	sisaCl MSa	21.2 18.1	19.2 33.4	34.4 0	91.3 –	55 110

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Nr	Przelot [m]	Rodzaj gruntu	γ_k [kN/m ³]	ϕ'_k [°]	c'_k [kPa]	c_{uk} [kPa]	M_0 [MPa]
1	2	3	4	5	6	7	8
85	0.0 – 2.3 2.3 – 10.0	siCl siSa	22.3 17.5	14.3 35.6	42.3 0	96.2 –	50 90
86	0.0 – 2.6 2.6 – 10.0	saCl FSa	22.3 17.7	12.8 32.6	40.8 0	86.6 –	55 115
87	0.0 – 2.1 2.1 – 10.0	siCl CSa	21.1 18.8	17.5 32.4	48.9 0	90.7 –	42 105
88	0.0 – 2.7 2.7 – 10.0	saCl FSa	22.4 16.6	11.3 30.2	42.5 0	95.4 –	45 88
89	0.0 – 2.9 2.9 – 10.0	saCl Gr	22.5 19.3	17.1 39.3	34.7 0	84.6 –	55 115
90	0.0 – 2.9 2.9 – 10.0	Cl siSa	23.5 17.7	18.4 33.5	58.8 0	120.3 –	55 90
91	0.0 – 3.5 3.5 – 10.0	siCl siSa	22.7 16.9	12.6 31.8	40.2 0	96.7 –	52 124
92	0.0 – 3.8 3.8 – 10.0	saCl FSa	21.3 17.4	10.5 31.4	46.5 0	110.4 –	52 95
93	0.0 – 3.1 3.1 – 10.0	siCl MSa	22.6 16.7	11.3 30.8	42.7 0	85.2 –	62 92
94	0.0 – 3.2 3.2 – 10.0	Si MSa	20.9 19.5	19.5 34.3	18.5 0	74.4 –	56 115
95	0.0 – 2.9 2.9 – 10.0	clSi FSa	22.3 17.5	18.7 32.8	28.3 0	100.6 –	60 90
96	0.0 – 3.2 3.2 – 10.0	saSi CSa	20.7 17.8	22.9 35.6	15.5 0	76.4 –	55 105
97	0.0 – 3.5 3.5 – 10.0	Cl MSa	21.3 18.8	15.5 36.3	38.3 0	98.3 –	45 95
98	0.0 – 2.1 2.1 – 10.0	siCl Gr	22.9 20.7	19.2 40.4	26.8 0	95.2 –	55 128
99	0.0 – 2.6 2.6 – 10.0	siCl Gr	22.9 20.7	19.2 40.4	36.8 0	95.2 –	61 82
100	0.0 – 2.5 2.5 – 10.0	clSi saGr	21.4 18.3	22.6 33.7	24.2 0	81.4 –	75 105