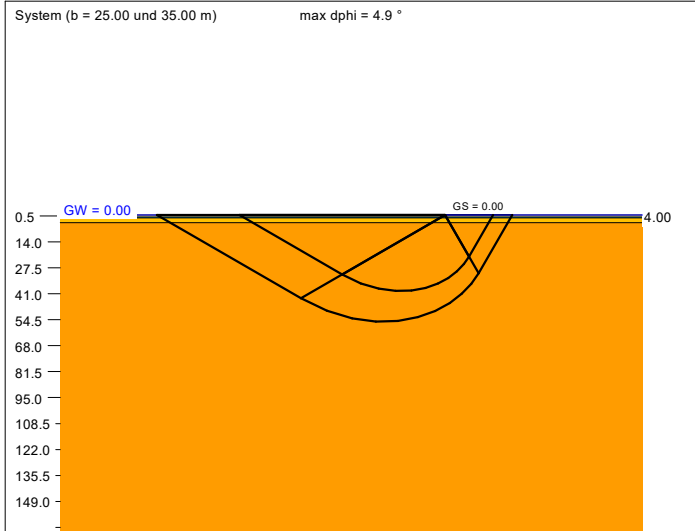
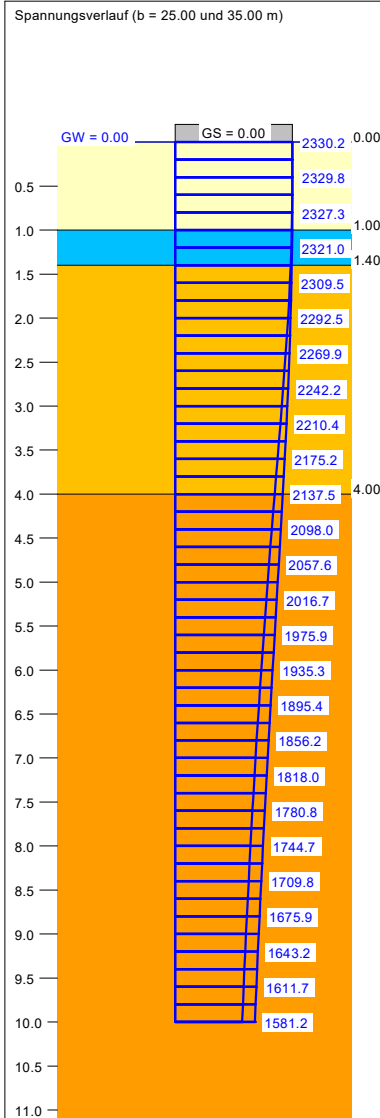


Boden	γ [kN/m³]	γ' [kN/m³]	φ [°]	c [kN/m²]	E [MN/m²]	ν [-]	Bezeichnung
	21.0	12.0	27.5	5.0	44.6	0.30	Geländeauftrag
	19.0	9.0	25.0	10.0	4.7	0.40	Ton
	20.0	11.0	30.0	0.0	29.7	0.30	Sand
	20.0	11.0	32.5	0.0	44.6	0.30	Sand



a	b	$\sigma_{R,2}$	$R_{d,2}$	$\sigma_{R,3}$	s	cal q	cal c	γ_2	σ_0	t_2	UK L5
[m]	[m]	[kN/m²]	[kN]	[kN/m²]	[cm]	[°]	[kN/m²]	[kN/m²]	[kN/m²]	[m]	[m]
50.00	25.00	1660.6	2075799.5	1165.3	21.59	29.9°	0.18	11.01	0.00	10.00	39.51
50.20	25.10	1661.3	2100829.7	1165.3	21.69	29.9°	0.18	11.01	0.00	10.00	39.67
50.40	25.20	1674.0	2126099.1	1174.7	21.78	29.9°	0.18	11.01	0.00	10.00	39.82
50.60	25.30	1680.7	2151571.5	1179.4	21.87	29.9°	0.17	11.01	0.00	10.00	39.98
50.80	25.40	1681.4	2177246.7	1184.1	21.97	29.9°	0.17	11.01	0.00	10.00	40.14
51.00	25.50	1694.1	2203126.6	1188.8	22.06	29.9°	0.17	11.01	0.00	10.00	40.30
51.20	25.60	1709.8	2229209.0	1193.5	22.16	29.9°	0.17	11.01	0.00	10.00	40.46
51.40	25.70	1707.4	2255497.6	1198.2	22.25	29.9°	0.17	11.01	0.00	10.00	40.62
51.60	25.80	1714.1	2281992.3	1202.9	22.34	29.9°	0.17	11.01	0.00	10.00	40.77
51.80	25.90	1720.8	2308693.8	1207.6	22.44	29.9°	0.17	11.01	0.00	10.00	40.93
52.00	26.00	1727.5	2335603.0	1212.3	22.53	29.9°	0.17	11.01	0.00	10.00	41.09
52.20	26.10	1734.2	2362720.7	1217.0	22.62	29.9°	0.17	11.01	0.00	10.00	41.25
52.40	26.20	1740.9	2389054.6	1221.7	22.72	29.9°	0.17	11.01	0.00	10.00	41.41
52.60	26.30	1747.6	2417584.6	1226.4	22.81	29.9°	0.17	11.01	0.00	10.00	41.57
52.80	26.40	1754.3	2446332.5	1231.1	22.91	29.9°	0.17	11.01	0.00	10.00	41.73
53.00	26.50	1761.0	2473292.2	1235.8	23.00	29.9°	0.17	11.01	0.00	10.00	41.88
53.20	26.60	1767.7	2501444.3	1240.5	23.09	29.9°	0.17	11.01	0.00	10.00	42.04
53.40	26.70	1774.4	2529849.7	1245.2	23.19	29.9°	0.17	11.01	0.00	10.00	42.20
53.60	26.80	1781.1	2558449.2	1249.9	23.28	29.9°	0.17	11.01	0.00	10.00	42.36
53.80	26.90	1787.7	2587263.7	1254.6	23.37	29.9°	0.16	11.01	0.00	10.00	42.52
54.00	27.00	1794.4	2616293.8	1259.3	23.47	29.9°	0.16	11.01	0.00	10.00	42.68
54.20	27.10	1801.1	2645540.5	1264.0	23.56	29.9°	0.16	11.01	0.00	10.00	42.84
54.40	27.20	1807.8	2675004.5	1268.7	23.65	29.9°	0.16	11.01	0.00	10.00	42.99
54.60	27.30	1814.5	2704688.7	1273.3	23.75	29.9°	0.16	11.01	0.00	10.00	43.15
54.80	27.40	1821.2	2734597.8	1278.0	23.84	29.9°	0.16	11.01	0.00	10.00	43.31
55.00	27.50	1827.9	2764708.6	1282.7	23.93	29.9°	0.16	11.01	0.00	10.00	43.47
55.20	27.60	1834.6	2795050.0	1287.4	24.03	29.9°	0.16	11.01	0.00	10.00	43.63
55.40	27.70	1841.3	2825612.7	1292.1	24.12	29.9°	0.16	11.01	0.00	10.00	43.79
55.60	27.80	1848.0	2856397.6	1296.8	24.21	29.9°	0.16	11.01	0.00	10.00	43.94
55.80	27.90	1854.7	2887405.5	1301.5	24.31	29.9°	0.16	11.01	0.00	10.00	44.10
56.00	28.00	1861.4	2918631.2	1306.2	24.40	29.9°	0.16	11.01	0.00	10.00	44.26
56.20	28.10	1868.1	2950093.4	1310.9	24.49	29.9°	0.16	11.01	0.00	10.00	44.42
56.40	28.20	1874.8	2981775.0	1315.6	24.59	29.9°	0.16	11.01	0.00	10.00	44.58
56.60	28.30	1881.5	3013696.8	1320.3	24.68	29.9°	0.16	11.01	0.00	10.00	44.74
56.80	28.40	1888.2	3045817.6	1325.0	24.77	29.9°	0.16	11.01	0.00	10.00	44.90
57.00	28.50	1894.9	3078106.1	1329.7	24.87	29.9°	0.16	11.01	0.00	10.00	45.06
57.20	28.60	1901.5	3110771.3	1334.4	24.96	29.9°	0.15	11.01	0.00	10.00	45.21
57.40	28.70	1908.2	3143691.9	1339.1	25.06	29.9°	0.15	11.01	0.00	10.00	45.37
57.60	28.80	1914.9	3176942.7	1343.8	25.14	29.9°	0.15	11.01	0.00	10.00	45.53
57.80	28.90	1921.6	3209924.5	1348.5	25.24	29.9°	0.15	11.01	0.00	10.00	45.69
58.00	29.00	1928.3	3243436.2	1353.2	25.33	29.9°	0.15	11.01	0.00	10.00	45.85
58.20	29.10	1935.0	3277184.5	1357.9	25.43	29.9°	0.15	11.01	0.00	10.00	46.01
58.40	29.20	1941.7	3311164.2	1362.6	25.52	29.9°	0.15	11.01	0.00	10.00	46.16
58.60	29.30	1948.4	3345373.1	1367.3	25.61	29.9°	0.15	11.01	0.00	10.00	46.32
58.80	29.40	1955.1	3379827.1	1372.0	25.70	29.9°	0.15	11.01	0.00	10.00	46.48
59.00	29.50	1961.8	3414531.9	1376.7	25.79	29.9°	0.15	11.01	0.00	10.00	46.64
59.20	29.60	1968.5	3449493.4	1381.4	25.89	29.9°	0.15	11.01	0.00	10.00	46.80
59.40	29.70	1975.2	3484592.4	1386.1	25.98	29.9°	0.15	11.01	0.00	10.00	46.96
59.60	29.80	1981.9	3519929.6	1390.8	26.07	29.9°	0.15	11.01	0.00	10.00	47.12
59.80	29.90	1988.6	3555502.9	1395.5	26.17	29.9°	0.15	11.01	0.00	10.00	47.27

* phi wegen 5° Bedingung abgemindert
 $\sigma_{R,k} = \sigma_{R,k} / (\gamma_{R,k} \cdot \gamma_{G,Q}) = \sigma_{R,k} / (1.40 \cdot 1.43) = \sigma_{R,k} / 1.99$ (für Setzungen)
Verhältnis Veränderliche(Q)/Gesamtlasten (G+Q) [-] = 0.50



Berechnungsgrundlagen:
Platte
Norm: EC 7
Grundbruchformel nach DIN 4017:2006
Teilsicherheitskonzept (EC 7)
Einzelfundament (a/b = 2.00)
 $\gamma_{R,v} = 1.40$
 $\gamma_G = 1.35$
 $\gamma_Q = 1.50$
Anteil Veränderliche Lasten = 0.500

$\gamma_{(G,Q)} = 0.500 \cdot \gamma_Q + (1 - 0.500) \cdot \gamma_G$
 $\gamma_{(G,Q)} = 1.425$
Gründungssohle = 0.00 m
Grundwasser = 0.00 m
Grenztiefe mit festem Wert von 10.00 m u. GS
— Sohlbruck
— Setzungen

