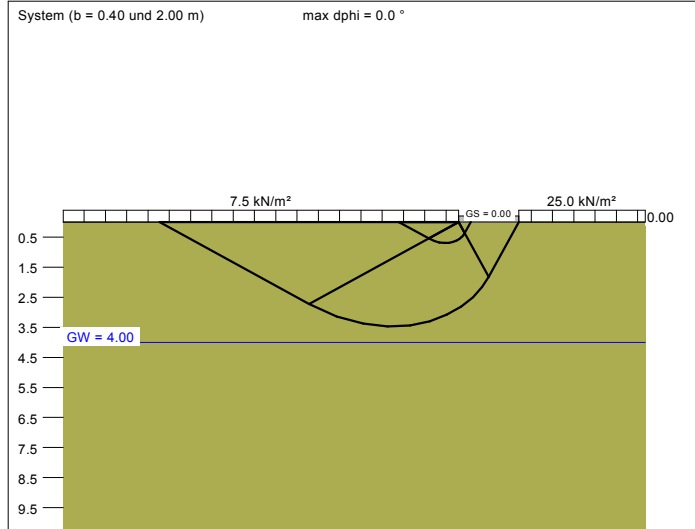
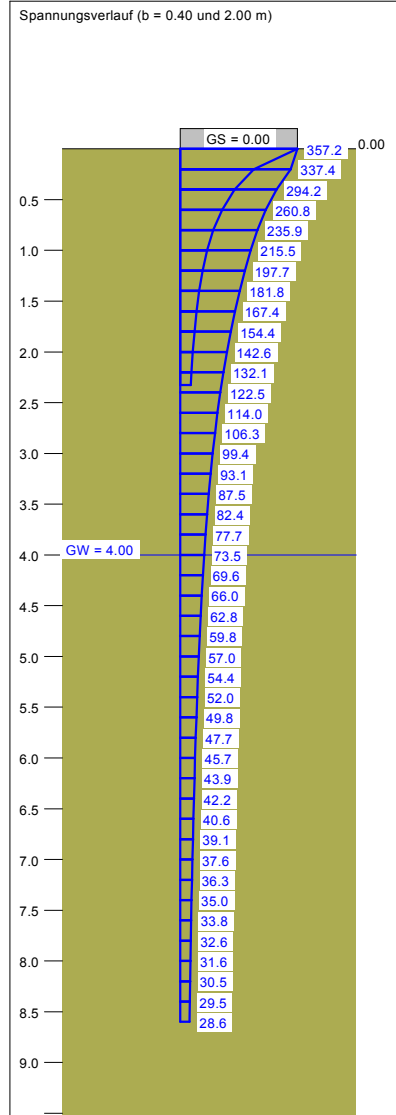


Boden	γ [kN/m³]	γ' [kN/m³]	φ [°]	c [kN/m²]	E_s [MN/m²]	ν [-]	Bezeichnung
	18.0	10.0	32.5	0.0	40.0	0.00	SE dicht



a [m]	b [m]	$\sigma_{R,d}$ [kN/m²]	$R_{n,d}$ [kN/m]	$\sigma_{E,k}$ [kN/m²]	s [cm]	cal φ [°]	cal c [kN/m²]	γ_2 [kN/m³]	σ_0 [kN/m²]	t_g [m]	UK LS [m]	k_s [MN/m²]
10.00	0.40	210.9	84.4	148.0	0.24	32.5	0.00	18.00	7.50	2.32	0.69	61.1
10.00	0.50	230.4	115.2	161.7	0.32	32.5	0.00	18.00	7.50	2.73	0.87	50.6
10.00	0.60	249.8	149.9	175.3	0.40	32.5	0.00	18.00	7.50	3.12	1.04	43.5
10.00	0.70	269.0	188.3	188.8	0.49	32.5	0.00	18.00	7.50	3.50	1.21	38.3
10.00	0.80	288.2	230.6	202.2	0.59	32.5	0.00	18.00	7.50	3.87	1.39	34.4
10.00	0.90	307.2	276.5	215.6	0.69	32.5	0.00	18.00	7.50	4.27	1.56	31.2
10.00	1.00	326.2	326.2	228.9	0.80	32.5	0.00	18.00	7.50	4.70	1.73	28.5
10.00	1.10	345.0	379.5	242.1	0.92	32.5	0.00	18.00	7.50	5.12	1.91	26.3
10.00	1.20	363.7	436.4	255.2	1.04	32.5	0.00	18.00	7.50	5.53	2.08	24.5
10.00	1.30	382.2	496.9	268.2	1.17	32.5	0.00	18.00	7.50	5.94	2.25	23.0
10.00	1.40	400.7	561.0	281.2	1.30	32.5	0.00	18.00	7.50	6.34	2.43	21.6
10.00	1.50	419.0	628.6	294.1	1.44	32.5	0.00	18.00	7.50	6.73	2.60	20.5
10.00	1.60	437.3	699.6	306.9	1.58	32.5	0.00	18.00	7.50	7.12	2.78	19.5
10.00	1.70	455.4	774.2	319.6	1.72	32.5	0.00	18.00	7.50	7.50	2.95	18.5
10.00	1.80	473.4	852.1	332.2	1.87	32.5	0.00	18.00	7.50	7.87	3.12	17.7
10.00	1.90	491.3	933.4	344.7	2.03	32.5	0.00	18.00	7.50	8.24	3.30	17.0
10.00	2.00	509.0	1018.1	357.2	2.18	32.5	0.00	18.00	7.50	8.60	3.47	16.4

$\sigma_{E,k} = \sigma_{R,k} / (\gamma_{R,k} \cdot \gamma_{(G,Q)}) = \sigma_{R,k} / (1.40 \cdot 1.43) = \sigma_{R,k} / 1.99$ (für Setzungen)
Verhältnis Veränderliche(Q)/Gesamtlasten(G+Q) [-] = 0.50



Berechnungsgrundlagen:
Norm: EC 7
BS: DIN 1054: BS-P
Grundbruchformel nach DIN 4017:2006
Teilsicherheitskonzept (EC 7)
Streifenfundament (a = 10.00 m)
 $\gamma_{R,v} = 1.40$
 $\gamma_G = 1.35$
 $\gamma_Q = 1.50$
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 = 4.00 m
Grenztiefe mit p = 20.0 %
Grenzflächen spannungsvariabel bestimmt
— Sohlendruck
— Bettungsmodul

