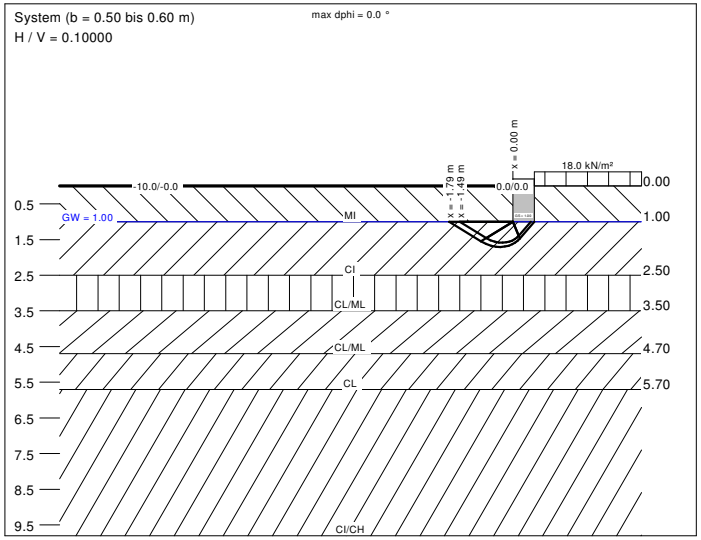
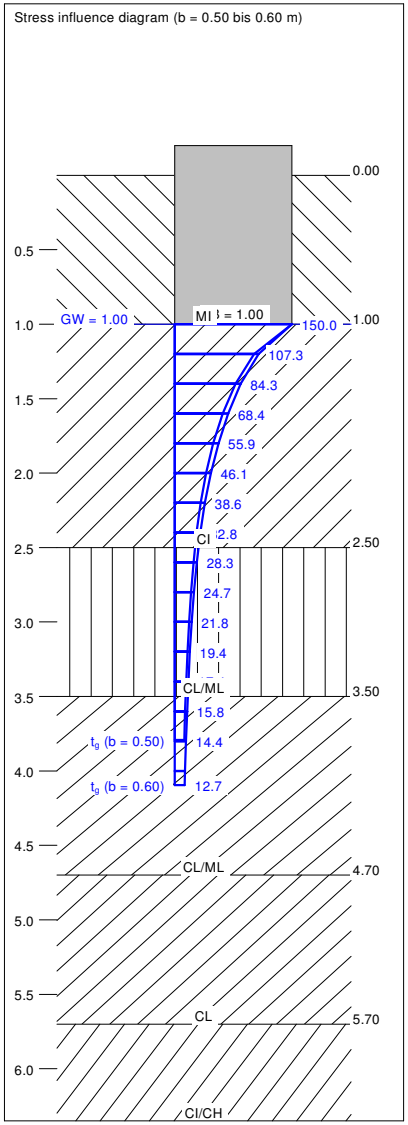
Soil	γ [kN/m³]	γ ' [kN/m³]	φ [°]	c [kN/m²]	E_s [MN/m²]	ν [-]	Designation
	18.0	8.0	28.0	5.0	1.5	0.00	MI
	18.5	8.5	27.0	7.0	2.5	0.00	CI
	19.0	9.0	28.0	4.0	3.0	0.00	CL/ML
	19.5	9.5	28.0	4.0	3.0	0.00	CL/ML
	19.5	9.5	27.0	4.0	3.5	0.00	CL
	19.0	9.0	24.0	12.0	3.0	0.00	CI/CH

System (b = 0.50 bis 0.60 m)
max dphi = 0.0 °
H / V = 0.10000



Stress influence diagram (b = 0.50 bis 0.60 m)



a [m]	b [m]	Allow. σ [kN/m²]	Allow. R [kN/m]	s [cm]	cal φ [°]	cal c [kN/m²]	γ_z [kN/m³]	σ ü [kN/m²]	t_g [m]	Base LS [m]	L LS [m]	A LS [m²]	β [°]	k_s [MN/m³]
7.00	0.50	150.0	75.0	4.46	27.0	7.00	8.50	18.00	3.79	1.59	2.38	0.72	0.0	3.4
7.00	0.60	150.0	90.0	5.09	27.0	7.00	8.50	18.00	4.10	1.71	2.86	1.04	0.0	2.9

zul σ = $\sigma_{0l,k}$ / (γ_{Gr} · $\gamma_{(G,Q)}$) = $\sigma_{0l,k}$ / (1.40 · 1.43) = $\sigma_{0l,k}$ / 1.99
Ratio of changeable(Q)/total loads(G+Q) [-] = 0.50

Initial calculation data:
TRAKA
Bearing cap. equation after DIN 4017 (neu)
Partial safety factor concept
Strip footing (a = 7.00 m)
γ (Gr) = 1.40
γ (G) = 1.35
γ (Q) = 1.50
Proportion of changeable loads = 50.0 %

H/V = 0.1000
Allow. sigma restricted to 150.00 kN/m² begrenzt
Footing base depth = 1.00 m
Groundwater = 1.00 m
Limiting depth of p = 20.0 %
Acceptable bearing pressure
Settlements