

Kind of soil	γ [kN/m ²]	Level of the centre of layer below base of the raft - z [m]	Miąższość warstwy obliczeniowej - h [m]	σ_{zi} [kPa]	Edometryczny moduł ściśliwości pierwotnej M ₀ [kPa]	Edometryczny moduł ściśliwości wtórnej M [kPa]	z/B	η_m	z/B'	η_m	Odpężenie gruntu $\sigma'_{zp} = \sigma_{zs}$ [kPa]	Napężenie od obciążenia zewnętrznego σ_{zq} [kPa]	Napężenie dodatkowe $\sigma_{zd} = \sigma_{zq} - \sigma_{zs}$ [kPa]	0,3 * σ_{zi} [kPa]	s' [mm]	s'' [mm]	s [mm]
				47.80							-47.80						
Ż	18.00	0.50	1.00	56.80	120000.00	140000.00	0.25	0.930	0.17	0.976	-46.64	92.99	46.35	17.04	0.3862	0.3332	0.7194
Ż	18.00	1.50	1.00	74.80	120000.00	140000.00	0.75	0.484	0.50	0.701	-33.50	48.42	14.91	22.44	0.1243	0.2393	0.3636
G	22.00	2.40	0.80	92.60	10000.00	15000.00	1.20	0.257	0.80	0.449	-21.47	25.68	4.21	27.78	0.3364	1.1453	1.4817
G	22.00	3.15	0.70	109.10	10000.00	15000.00	1.58	0.165	1.05	0.314	-14.99	16.47	1.48	32.73	0.1038	0.6995	0.8032
Po	20.00	4.00	1.00	126.80	100000.00	120000.00	2.00	0.108	1.33	0.217	-10.39	10.81	0.42	38.04	0.0042	0.0866	0.0908
Po	20.00	5.00	1.00	146.80	100000.00	120000.00	2.50	0.072	1.67	0.149	-7.14	7.16	0.02	44.04			
Po	20.00	6.00	1.00	166.80	100000.00	120000.00	3.00	0.051	2.00	0.108	-5.17	5.07	-0.10	50.04			0.0000
-	20.00	7.00	1.00	186.80	100000.00	120000.00	3.50	0.038	2.33	0.081	-3.89	3.77	-0.12	56.04			
-	20.00	8.00	1.00	206.80	100000.00	120000.00	4.00	0.029	2.67	0.063	-3.03	2.91	-0.12	62.04			
-	20.00	9.00	1.00	226.80	100000.00	120000.00	4.50	0.023	3.00	0.051	-2.42	2.31	-0.11	68.04			
-	20.00	10.00	1.00	246.80	100000.00	120000.00	5.00	0.019	3.33	0.041	-1.98	1.88	-0.10	74.04			
-	20.00	11.00	1.00	266.80	100000.00	120000.00	5.50	0.016	3.67	0.034	-1.65	1.56	-0.09	80.04			
-	20.00	12.00	1.00	286.80	100000.00	120000.00	6.00	0.013	4.00	0.029	-1.39	1.31	-0.08	86.04			
-	20.00	13.00	1.00	306.80	100000.00	120000.00	6.50	0.011	4.33	0.025	-1.19	1.12	-0.07	92.04			
-	20.00	14.00	1.00	326.80	100000.00	120000.00	7.00	0.010	4.67	0.022	-1.03	0.97	-0.06	98.04			
-	20.00	15.00	1.00	346.80	100000.00	120000.00	7.50	0.008	5.00	0.019	-0.90	0.84	-0.06	104.04			
-	20.00	16.00	1.00	366.80	100000.00	120000.00	8.00	0.007	5.33	0.017	-0.79	0.74	-0.05	110.04			
Suma:														0.9549	2.5038	3.4587	

Total loading Q= 400.00 [kN]
 Width of the foundation B= 2.00 [m]
 Length of the foundation L= 2.00 [m]
 A=B*L= 4.00 [m²]
 L/B= 1.00 [-]
 Net foundation pressure q=Q/A= 100.00 [kPa]
 Depth of the trench D= 2.50 [m]
 Width of the trench B'= 3.00 [m]
 Length of the trench L'= 3.00 [m]
 L'/B'= 1.00 [-]

