

Tematy projektów

Numer tematu	głębokość wykopu h [m]	grubość warstwy 1 h ₁ [m]	ZWG po stronie wykopu h _l [m]	ZWG po stronie naziomu h _r [m]	parametry warstwy 1				parametry warstwy 2				obciążenie q [kPa]
					c ₁ [kPa]	φ ₁ [°]	γ ₁ [kN/m ³]	γ' ₁ [kN/m ³]	c ₂ [kPa]	φ ₂ [°]	γ ₂ [kN/m ³]	γ' ₂ [kN/m ³]	
275664	7.0	3.4	6.4	4.3	19	16	19.7	12.3	23	16	18.7	11.6	20
277463	6.4	3.0	5.7	4.4	1	31	16.5	10.3	0	31	17.5	10.9	18
278314	5.1	3.3	4.1	3.3	14	13	17.2	10.7	20	15	17.4	10.8	16
278879	5.9	4.9	5.6	4.1	16	14	16.8	10.5	25	17	16.6	10.3	21
284347	6.0	5.1	5.8	3.8	16	14	19.2	12.0	1	34	19.6	12.2	22
285559	4.8	3.4	3.5	2.5	0	25	17.4	10.8	0	28	17.3	10.8	16
285709	7.4	5.3	7.4	5.4	20	17	16.0	10.0	28	18	16.3	10.1	25
286611	6.2	2.7	5.0	3.6	1	30	19.4	12.1	20	15	18.3	11.4	17
286624	4.0	2.5	2.5	2.2	0	22	17.7	11.0	0	24	17.8	11.1	12
286634	4.0	3.4	3.2	2.8	0	22	17.8	11.1	0	26	17.3	10.8	14
286656	6.6	2.7	5.7	4.2	1	31	16.5	10.3	21	16	17.6	11.0	18
286657	5.6	3.3	4.8	3.8	15	14	17.0	10.6	0	30	17.3	10.8	17
286668	7.0	5.5	7.0	4.5	19	16	19.8	12.3	28	18	19.8	12.3	25
286675	4.6	4.8	3.9	2.7	0	24	18.6	11.6	23	15	19.4	12.1	19
286676	6.3	4.2	5.9	4.2	17	15	19.4	12.1	24	16	19.1	11.9	21
286694	5.5	2.8	4.4	3.4	15	13	19.0	11.8	20	15	18.4	11.5	16
286701	5.7	5.8	5.6	3.1	1	28	16.9	10.5	1	34	16.1	10.0	23
286712	7.1	4.5	7.1	5.0	1	34	16.2	10.1	1	35	16.8	10.5	23
286716	4.7	5.9	4.3	2.5	13	12	19.1	11.9	1	32	16.1	10.0	21
286735	3.8	3.8	2.5	1.8	0	21	18.2	11.3	20	14	18.9	11.8	15
286749	4.1	2.1	3.0	2.9	0	22	19.5	12.1	16	13	19.7	12.3	11
291746	4.2	4.9	3.5	2.4	12	11	17.7	11.0	23	15	16.5	10.3	18
291749	5.6	4.4	5.0	3.2	1	28	16.9	10.5	1	32	16.9	10.5	20
291750	5.4	2.3	3.8	3.0	0	27	18.9	11.8	18	14	18.1	11.3	14
291753	6.5	3.7	5.9	3.8	17	15	16.5	10.3	0	32	17.1	10.6	20
291755	6.0	5.7	6.0	4.3	1	29	19.2	12.0	1	35	19.8	12.3	23
291756	7.4	5.4	7.4	5.0	20	17	16.0	10.0	28	18	16.3	10.1	25
291761	5.6	2.9	4.7	3.8	1	28	17.0	10.6	0	29	17.6	11.0	16
291762	4.5	5.1	4.0	3.0	0	24	18.5	11.5	1	30	19.5	12.1	19
291763	3.7	2.4	2.2	2.0	0	21	18.1	11.3	0	23	18.2	11.3	11
291768	5.1	4.7	4.4	2.7	0	26	17.2	10.7	24	16	16.6	10.3	19
291771	5.4	3.1	4.6	3.9	0	27	18.9	11.8	20	15	18.5	11.5	16

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					c ₁ [kPa]	φ ₁ [°]	γ ₁ [kN/m ³]	γ' ₁ [kN/m ³]	c ₂ [kPa]	φ ₂ [°]	γ ₂ [kN/m ³]	γ' ₂ [kN/m ³]	
291774	4.1	5.8	3.7	2.8	11	11	17.7	11.0	1	30	16.1	10.0	20
291775	6.0	5.8	6.0	4.3	16	14	19.2	12.0	1	35	19.9	12.4	24
291776	6.1	3.2	5.2	3.7	17	15	19.3	12.0	21	16	18.6	11.6	18
291777	7.1	4.7	7.1	4.9	19	16	19.8	12.3	26	18	19.3	12.0	23
291781	6.1	4.4	5.6	3.7	1	30	19.3	12.0	1	33	19.2	12.0	20
291784	6.6	3.8	6.2	4.7	1	32	16.5	10.3	23	16	17.1	10.6	20
291785	4.1	4.0	3.3	2.7	11	11	17.7	11.0	1	27	17.0	10.6	16
291786	6.7	3.7	6.3	4.7	1	32	16.4	10.2	23	16	17.1	10.6	20
291796	6.3	3.4	5.8	4.6	1	31	16.6	10.3	0	32	17.3	10.8	19
291797	3.7	5.0	2.8	1.8	11	10	18.1	11.3	23	14	19.5	12.1	17
291799	5.3	3.4	4.2	3.0	0	27	18.9	11.8	21	15	18.7	11.6	17
291802	4.5	3.1	3.6	3.1	12	12	18.5	11.5	0	26	18.5	11.5	14
291803	5.7	4.6	5.1	3.2	15	14	16.9	10.5	1	32	16.7	10.4	20
291804	4.3	5.2	3.7	2.7	0	23	17.6	11.0	24	15	16.4	10.2	19
291805	6.8	2.3	5.8	4.4	1	32	19.6	12.2	0	31	18.1	11.3	17
291806	6.0	4.3	5.6	4.1	16	14	19.3	12.0	1	32	19.1	11.9	20
291813	5.1	2.5	4.0	3.4	0	26	18.8	11.7	0	27	18.3	11.4	14
291814	6.4	3.3	5.8	4.5	17	15	16.6	10.3	0	31	17.4	10.8	19
291819	4.2	3.6	3.4	2.9	0	23	17.7	11.0	20	14	17.2	10.7	15
291820	7.3	2.8	6.8	5.3	20	17	16.1	10.0	22	16	17.6	11.0	19
291822	6.7	5.3	6.7	4.7	1	32	16.4	10.2	27	18	16.3	10.1	24
291825	7.5	4.0	7.4	4.9	1	35	16.0	10.0	25	17	17.0	10.6	22
291826	4.1	2.8	2.9	2.6	0	22	17.7	11.0	0	25	17.6	11.0	13
291827	6.5	4.9	6.4	4.6	1	31	16.5	10.3	1	34	16.6	10.3	22
291829	3.5	3.0	2.5	2.3	10	10	18.0	11.2	0	24	18.5	11.5	12
291833	3.8	5.2	3.1	2.0	0	21	18.2	11.3	24	15	19.6	12.2	18
291834	4.0	4.6	3.0	2.1	11	11	17.8	11.1	1	28	16.7	10.4	17
291838	6.2	4.9	6.0	3.6	1	30	19.4	12.1	26	17	19.4	12.1	22
291840	4.6	4.1	3.6	2.6	0	24	18.6	11.6	22	15	19.0	11.8	17
291842	3.7	4.7	2.7	1.7	0	21	18.1	11.3	1	27	19.4	12.1	17
291844	6.5	5.6	6.5	4.5	1	31	16.5	10.3	28	18	16.2	10.1	24
291845	6.1	6.0	6.1	4.4	1	30	19.3	12.0	28	18	20.0	12.5	24

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					c ₁ [kPa]	φ ₁ [°]	γ ₁ [kN/m ³]	γ' ₁ [kN/m ³]	c ₂ [kPa]	φ ₂ [°]	γ ₂ [kN/m ³]	γ' ₂ [kN/m ³]	
291847	6.2	3.6	5.6	4.1	17	15	19.3	12.0	22	16	18.8	11.7	19
291849	5.6	2.8	4.6	3.8	15	14	16.9	10.5	0	29	17.6	11.0	16
291853	5.8	2.3	4.3	3.3	1	29	16.9	10.5	18	14	17.9	11.1	15
291854	4.7	3.2	3.5	2.7	0	24	18.6	11.6	19	14	18.6	11.6	15
291855	4.7	5.9	4.4	2.7	0	24	18.6	11.6	26	16	20.0	12.5	21
291856	3.6	3.7	2.5	2.1	10	10	18.1	11.3	0	25	18.8	11.7	14
291857	6.0	6.0	6.0	4.1	16	14	19.3	12.0	1	35	20.0	12.5	24
291860	6.0	5.2	5.8	3.8	16	14	19.3	12.0	1	34	19.6	12.2	22
291863	6.0	2.1	4.6	3.6	16	14	19.3	12.0	0	29	18.0	11.2	15
291866	6.4	2.1	5.3	4.3	1	31	16.6	10.3	0	29	18.0	11.2	16
291872	7.4	2.1	6.5	4.8	20	17	16.1	10.0	20	16	17.9	11.1	18
291873	4.7	5.2	4.2	3.0	13	12	17.4	10.8	1	31	16.4	10.2	20
291874	4.1	6.0	3.6	2.2	0	22	17.7	11.0	1	30	16.0	10.0	20
291878	4.2	4.5	3.4	2.5	12	11	17.7	11.0	22	15	16.7	10.4	17
291879	5.3	4.0	4.6	3.4	0	27	18.9	11.8	1	30	19.0	11.8	18
291880	5.7	2.5	4.6	3.8	1	28	16.9	10.5	0	28	17.8	11.1	15
291881	4.7	4.3	3.7	2.4	13	12	17.4	10.8	1	29	16.9	10.5	18
291883	4.5	4.7	3.7	2.6	0	24	18.5	11.5	23	15	19.3	12.0	18
291885	4.7	3.4	3.6	2.8	13	12	18.6	11.6	20	14	18.7	11.6	15
291886	5.0	2.9	3.7	2.9	0	26	17.2	10.7	19	14	17.5	10.9	15
291887	5.0	2.7	3.6	2.9	0	25	17.3	10.8	19	14	17.7	11.0	14
291888	7.4	4.0	7.3	4.5	1	35	16.0	10.0	25	17	17.0	10.6	22
291889	6.2	4.7	5.9	4.1	17	15	19.4	12.1	25	17	19.3	12.0	21
291891	3.8	5.2	3.3	2.6	11	11	18.2	11.3	23	15	19.6	12.2	18
291894	7.0	4.8	7.0	4.9	19	16	19.8	12.3	26	18	19.4	12.1	23
291895	4.3	4.9	3.7	2.9	12	11	17.6	11.0	23	15	16.5	10.3	18
291896	5.2	2.9	4.2	3.4	0	26	18.9	11.8	0	28	18.4	11.5	15
291897	4.5	3.5	3.7	3.1	0	24	18.5	11.5	20	14	18.8	11.7	15
291898	5.8	5.9	5.8	3.6	1	28	16.9	10.5	28	17	16.1	10.0	23
291900	6.0	4.1	5.6	4.3	1	29	19.3	12.0	1	32	19.0	11.8	20
291901	5.5	2.2	4.5	3.9	15	13	19.0	11.8	18	14	18.1	11.3	14
291902	6.9	4.1	6.7	4.5	19	16	19.7	12.3	25	17	19.1	11.9	22

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					c ₁ [kPa]	φ ₁ [°]	γ ₁ [kN/m ³]	γ' ₁ [kN/m ³]	c ₂ [kPa]	φ ₂ [°]	γ ₂ [kN/m ³]	γ' ₂ [kN/m ³]	
291905	3.9	3.8	2.6	1.9	11	11	18.2	11.3	20	14	18.9	11.8	15
291908	4.0	5.2	3.3	2.3	11	11	17.8	11.1	1	29	16.4	10.2	18
291915	7.1	2.8	6.5	5.1	1	33	19.8	12.3	21	16	18.4	11.5	19
291917	6.2	5.8	6.2	3.5	17	15	19.3	12.0	28	18	19.9	12.4	24
291920	4.7	2.1	3.7	3.4	13	12	17.4	10.8	0	25	17.9	11.1	13
295503	4.9	4.0	4.0	2.9	0	25	17.3	10.8	22	15	17.0	10.6	17
295976	4.8	3.2	3.7	3.0	13	12	17.4	10.8	0	27	17.4	10.8	15
296012	4.6	5.9	4.3	2.8	0	24	18.6	11.6	26	16	19.9	12.4	21