



Piled embankments with basal reinforcement

1. General

Project name:

Company / Client:

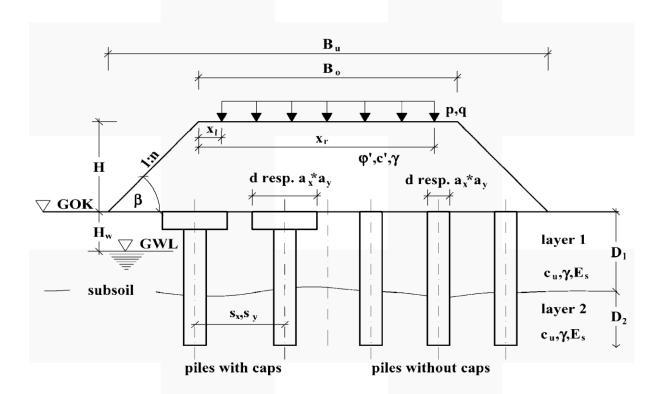
Contact person:

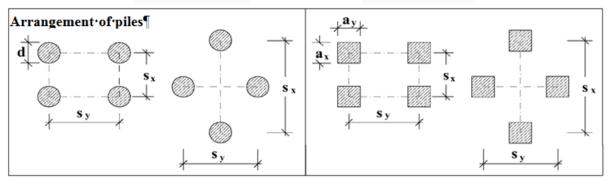
Telephone number:

Fax number:

E-Mail:

Internal person in charge:





sketch (please add information if required)





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2. Geometry, loads and soil parameters

2.1 Data of the reinforced construction

Geometry					
embankment height	H =		m		
crest width	B _o =		m		
base width	B _u =		m		
slope angle	β = °	or 1:n	n =		
dam lenght	L =		m		

Loads								
dead load	р	=	kN/m²	X ₁	= m	Х	ζ _r =	m
live load	q	=	kN/m²	X ₁	= m	Х	ζ _r =	m
type of use		road em	bankment		railroad emban	kπ	nent	
other type of use								
Soil parameter of embankment material								
angle of internal friction	φ'	=				0		
cohesion	Ċ,	=				k	:N/m²	
soil unit weight	γ	=				k	(N/m³	
pH-value (1,0 to 14,0)				al	ternative: acid	n	eutral	alkaline

2.2 Data of the piles/pillars

type of pile			
geometric arrangement of	rectangu	lar triangular	
the piles			
diameter of the pile cap or	d =		m
pile, if circular cross section			
size of pile cap or pile, if	a _x =	$a_y =$	m
rectangular cross section			
distance between the pile	s _x =	$S_y =$	m
axis		•	
bearing capacity of the piles	Q =		kN
determinate after which norm			
or standard			

2.3 Data of the subsoil

		Layer 1	Layer 2			
General						
Thickness of the soft soil	D =			m		
layer						
soil unit weight	γ =			kN/m³		
undrained shear strength	c _u =			kN/m²		
oedometric moduls	E _S =			kN/m²		
Groundwater level under surface						
Groundwater level	H _W =		_	m		





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2.4 Brief description of the soil (e.g. cohesive soil, clay, peat,...)

2.5	.5 Additional information (Construction time? Method of compaction?)						
2.6	Service life of th	e embankment					
	Perma	anent	temporary		_ months/years		
				. ,			
3.	Norm/Standard v 8006)	which should be	used for the des	sign (e.g. DIN 105	i4 (old/new), BS		
4.	Target date of p	oject completio	n				
In addition to this Questionnaire a representative cross section of the intended structure, illustrating soil stratification, trenches, roads etc., is requiered.							
Da	ate:		Signature:				