Questionnaire

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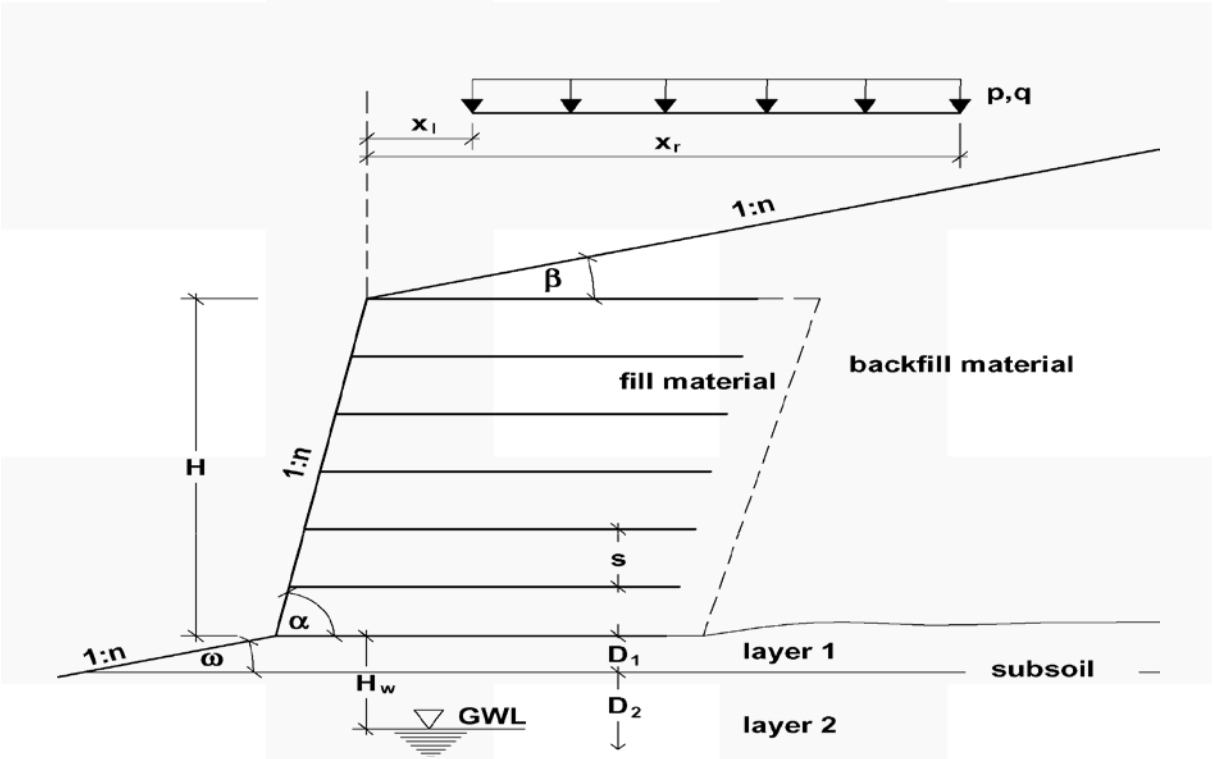
Reinforced slopes and retaining walls

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			
construction height	H =		m
slope / wall angle	α = °	or 1:n	n =
angle of any sloping ground above reinforced slope / wall	β = °	or 1:n	n =
angle of the terrain in front of the slope / wall	ω = °	or 1:n	n =
spacing (only if specified or preferred)	s =		m
length of the slope / wall	L =		m
type of use:			
Facing (e.g. gabions, segmental retaining wall…):			

Loads					
dead load	p =	kN/m²	x_1 =	m	x_r = m
live load	q =	kN/m²	x_1 =	m	x_r = m
Soil parameter of fill material					
angle of internal friction	φ' =				°
cohesion	c' =				kN/m²
soil unit weight	γ =				kN/m³
pH-value (1,0 to 14,0)			alternative: acid ☐	neutral ☐	alkaline ☐

2.2 Data of the backfill material

angle of internal friction	φ' =		°
cohesion	c' =		kN/m²
soil unit weight	γ =		kN/m³
pH-value (1,0 to 14,0)		alternative: acid ☐	neutral ☐ alkaline ☐

2.3 Data of the subsoil

		Layer 1	Layer 2	
angle of internal friction	φ' =			°
cohesion	c' =			kN/m²
soil unit weight	γ =			kN/m³
layer thickness	d =			m
oedometric moduls	E_S =			kN/m²
pH-value (1,0 to 14,0)		alternative: acid ☐	neutral ☐	alkaline ☐
brief description of the subsoil				

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2.4 Water condition

Groundwater level H_W (below the base of the construction)		**m**
Occurrence of seeping or hillside water?	☐ **yes**	☐ **no**
If so, please note exact location		

2.5 Additional information (Construction time? Earthquake hazards? If so, which safety has to be reached in the design?)

2.6 Service life of the embankment

☐ Permanent ☐ temporary _____ months/years

3. Norm/Standard which should be used for the design (e.g. EC7, EBGEO 2010, BS 8006)

4. Target date of project completion

In addition to this Questionnaire a representative cross section of the intended structure, illustrating soil stratification, trenches, roads etc., is requiered.

Date: _____ Signature: _____

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