

BASAL REINFORCEMENT

CUSTOMER INFORMATION

Company:			
Requested by:			
Tel.:	Fax:	E-mail:	
Project name:			Project N°:
Location:		City / State / Country:	

(*) MACCAFERRI INFORMATION

Originating Office:	
Area Manager:	Project N°:

(*) DESIGN LEVEL

STANDARD REQUIRED

Level 1 (Conceptual Proposal)	Level 2 (Preliminary Suggestion)	Level 3 (Final Design)	
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ACCELERATED CONSOLIDATION

Accelerated consolidation		Y/N
Consolidation percentage (U)		%
Maximum consolidation time (t)		Month
Application area width		m
Application area length		m

SEISMIC LOAD CONDITION

Horizontal acceleration coefficient	
Vertical acceleration coefficient	

SAFETY FACTOR

Global stability	
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EMBANKMENT GEOMETRY

Embankment height (H)		m
Embankment base width (B)		m
Top of embankment width (L)		m
Embankment slope angle (α)		°
Bank height (h)		m
Bank slope angle (β)		°
Bank width (l)		m

CONCENTRATED LOADS

Load	Q1	Q2	
Intensity			kN
Angle			°
Line or point load?			L or P
Live load?			Y/N
Coordinates			(x;y)

EMBANKMENT SOIL PROPERTIES

Layer	1	2	
Soil description			
Soil density (γ_s)			kN/m ³
Internal friction angle (ϕ)			°
Cohesion (c)			kPa
Pore water pressure (u_w)			

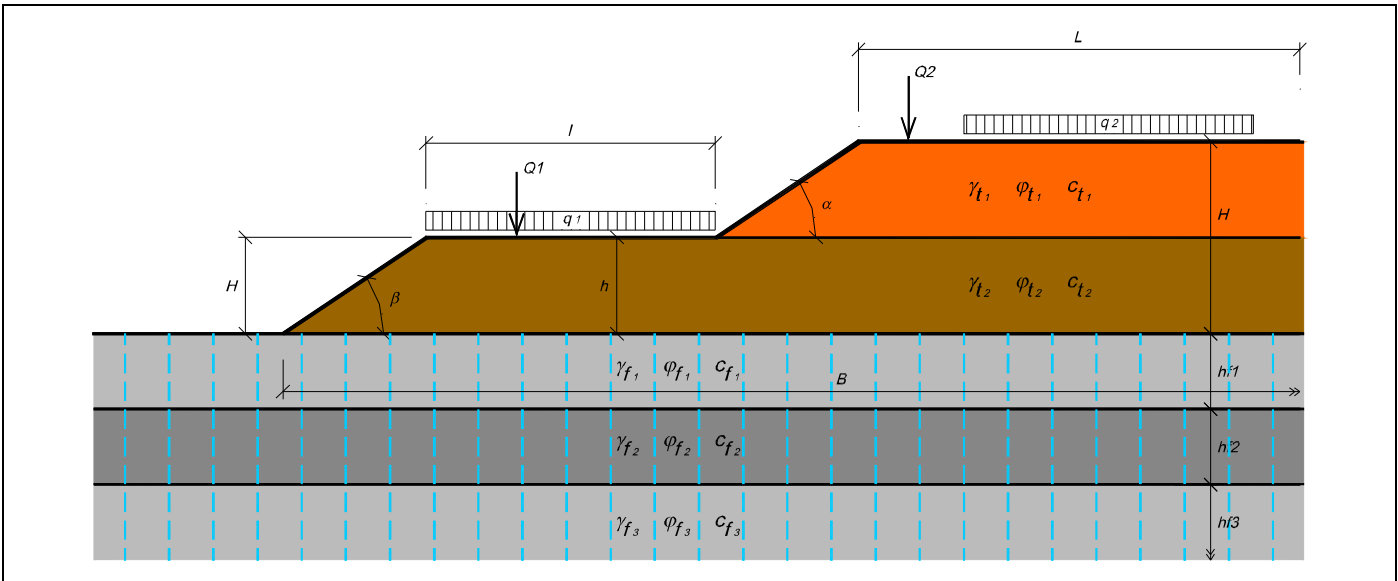
FOUNDATION SOIL (SOFT SOIL)

Layer	1	2	3	
Soil description				
Soil density (γ_s)				kN/m ³
Internal friction angle (ϕ)				°
Cohesion (or undrained shear strength) (c)				kPa
Pore water pressure (u_w)				
Layer thickness (h_s)				m
Ground water level				m
Soil elastic modulus				KPa
Poisson ratio				
Compression ratio				
Recompression ratio				
Skempton parameter				
Alpha factor				
Preconsolidation pressure (σ)				kN/m ²

UNIFORM LOADS

Load	q1	q2	
Intensity			kN/m ²
Angle			°
Initial coordinate			(x;y)
Final coordinate			(x;y)

TYPICAL SECTION



PROJECT DESCRIPTION

(*) MACCAFERRI SUGGESTIONS (AREA MANAGER)

(*) ADDITIONAL INFORMATION

Section to be calculated	Section to be drawn	Only drawing without calculation	Maccaferri specs for drawings	Drawing template	Plan	Elevation	Bill of quantities
_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attachments:	File name:
Photos	_____
Site Investigations	_____
Drawings	_____

(*) For Maccaferri use only.

Maccaferri SA (Pty) Ltd

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