

DRAINAGE

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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VERTICAL DRAINAGE

Drainage height	(H)	m
Backfill soil unit weight	(γ_s)	kN/m ³
Backfill soil internal friction angle	(φ_s)	°
Cohesion	(C _s)	kN/m ²
Backfill soil permeability	(K _s)	cm/s
Rainfall precipitation		mm/h
Contribution area	(A)	m ²
Design life		years

HORIZONTAL DRAINAGE

Covering soil height	(h)	m
Covering soil unit weight	(γ_s)	kN/m ³
Covering soil granulometry	(D ₈₅)	mm
Covering soil permeability	(K _s)	cm/s
Rainfall precipitation		mm/h
Contribution area	(A)	m ²
Design life		years
Drainage inclination	(i)	%

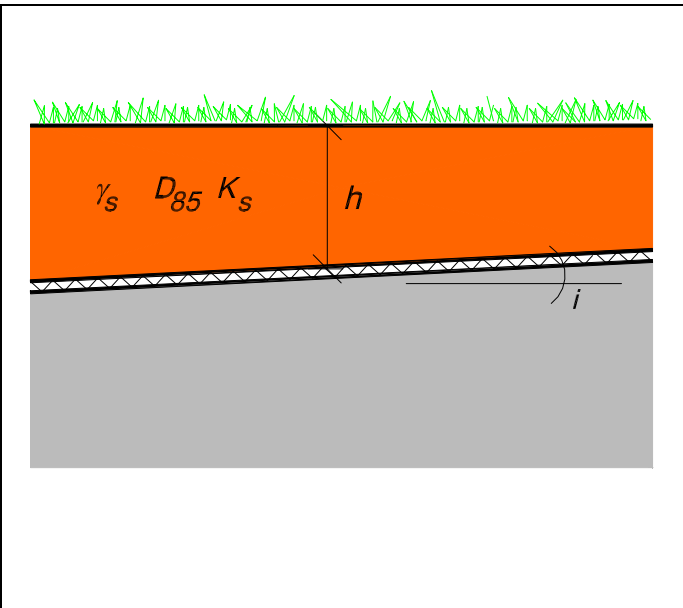
PHREATIC SURFACE

Initial height	(H _{we})	m
Phreatic profile stretch 1	(θ_1)	°
Horizontal phreatic distance 1	(L ₁)	m
Phreatic profile stretch 2	(θ_2)	°
Horizontal phreatic distance 2	(L ₂)	m

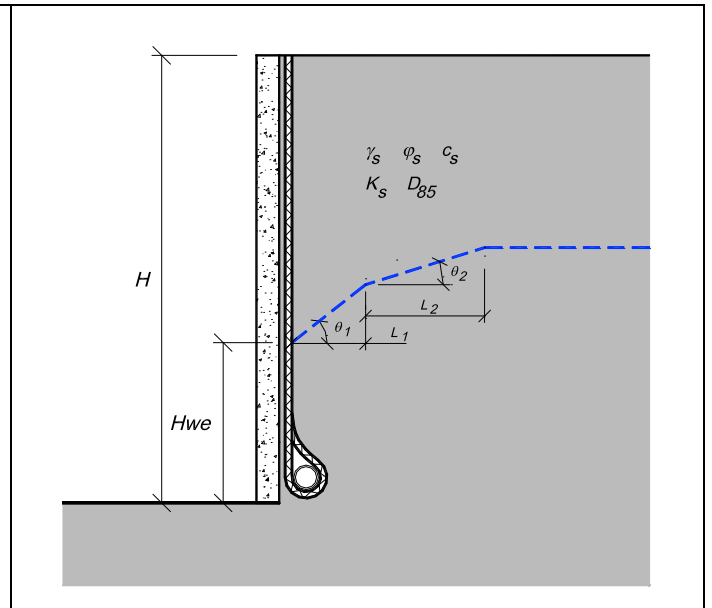
FILTRATION (Protect Soil Data)

Soil description	
Soil permeability	(K _s) cm/s
Soil granulometry	(D ₈₅) mm

HORIZONTAL DRAINAGE DETAILS



VERTICAL DRAINAGE DETAILS



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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