

WEIR – STEPPED

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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WATER COURSE AND WEIR PARAMETERS

River data			Soil data			Soil type		
Design discharge (Q)		m ³ /s	Soil description			Fine sand		
River bed gradient (i)		%	Soil unit weight		kN/m ³	Coarse sand		
Bank top elevation (f _p)		m	Soil friction		°	Gravel		
Channel width (L _c)		m	Bligh coefficient			Sandy clay		
Left bank slope (θ ₁)		°	Gabions data			Silt		
Right bank slope (θ ₂)		°	Rockfill unit weight		kN/m ³	(Please tick "✓" the appropriate box)		
River granulometry		mm	Porosity		%			
Roughness coefficient (n)		m ^{-1/3} s	Under pressure influence		%			
			Coefficient soil-foundation					

STILLING POOL

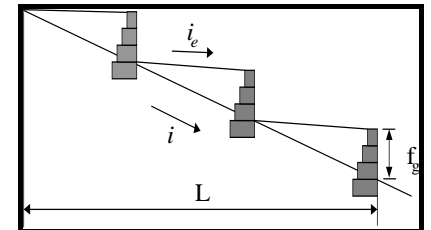
Stilling basin		
Counterweir elevation		m
Pool length		m

MAIN STRUCTURE

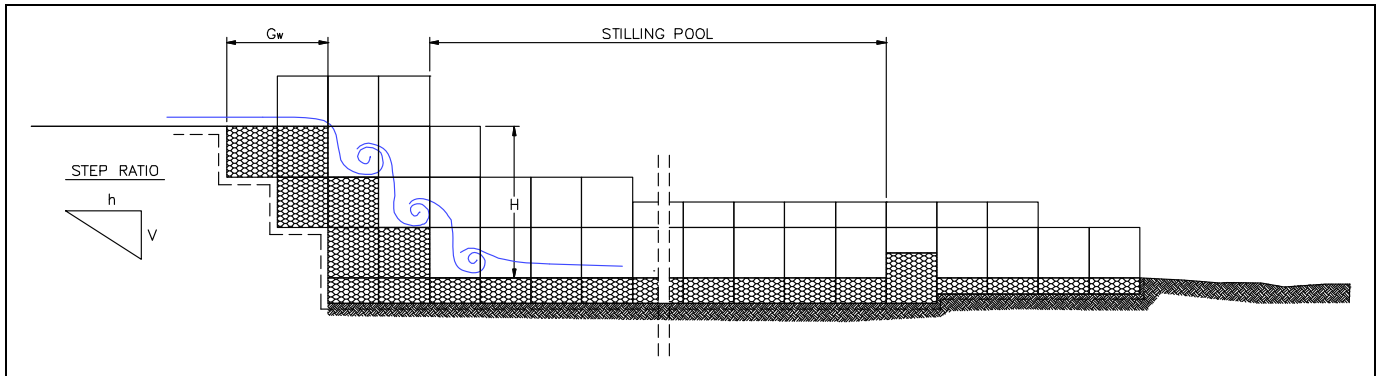
Weir geometry			Weir geometry (Continued)		
Step ratio (1/1, 1/2, 1/3)		V/H	Crest width		m
Gabion width (G _w)		m	Total weir height (H)		m
Step height		m			
Foundation layers		No.			

DESIGN OF SUCCESSIVE WEIRS FOR GRADE CONTROL

Total horizontal reach length	(L)		m
Original river gradient	(i)		%
Proposed new gradient	(i _e)		%
Weir crest height	(f _g)		



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"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
_____	_____	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No

Attachments:	File name:
Photos	
Site Investigations	
Drawings	

NOTES: (*) For Maccaferri use only.

Maccaferri SA (Pty) Ltd

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