

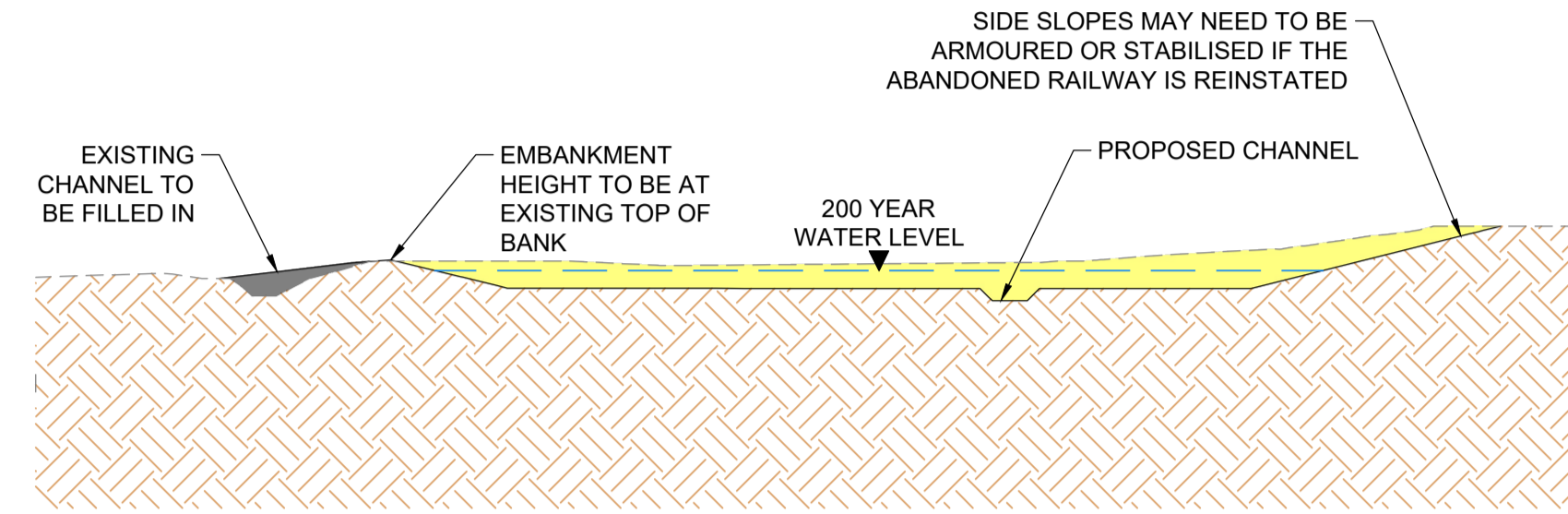
PLAN  
1:1000

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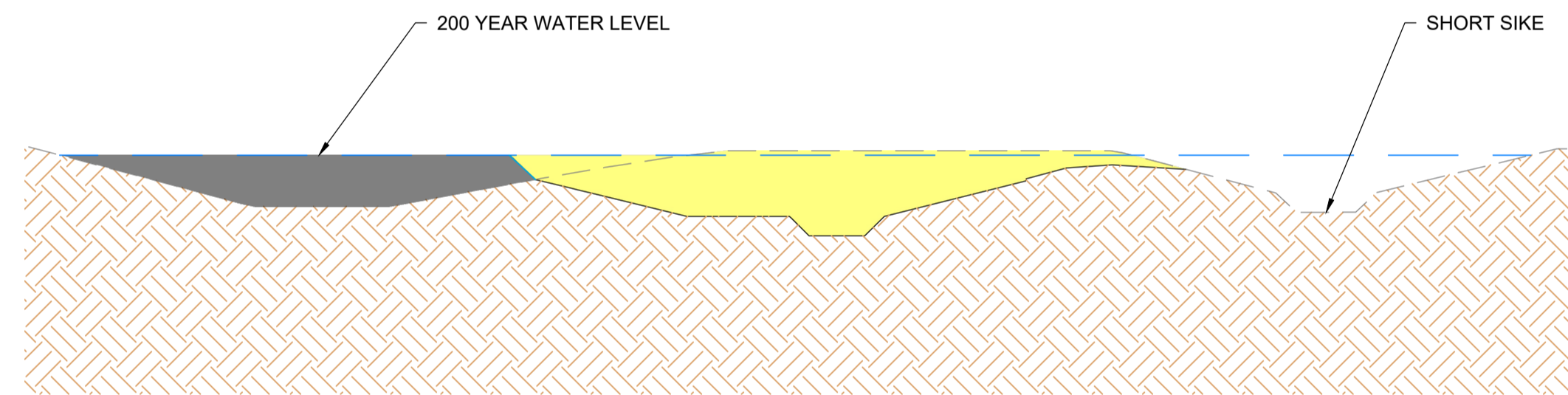
# Newcastleton

## Option 3: Charlies Sike Restoration

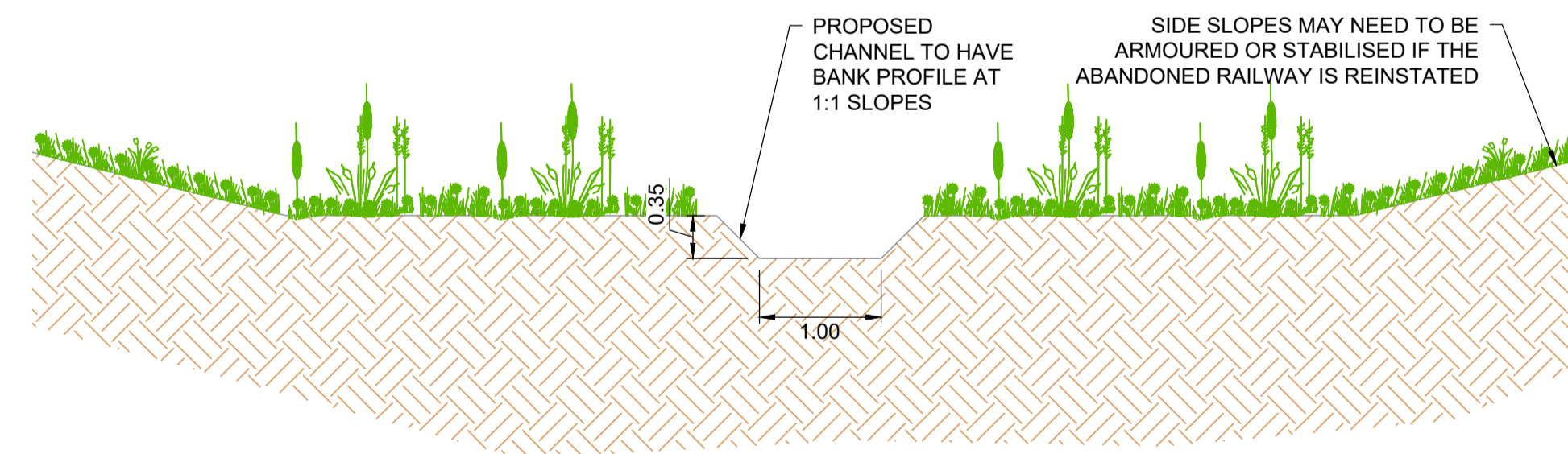
### New Open Channel & Floodplain to provide 200 year SOP



SECTION A-A  
1:200



SECTION B-B  
1:100



TYPICAL CROSS-SECTION THROUGH NEW CHANNEL  
1:50

OPTION 3 SUMMARY. The option would consist of re-sectioning of the channel of Charlies Sike and the green space along its bank to re-naturalise the channel. In the past the river bed was artificially constructed to align to a straight narrow ditch to coincide with the property boundaries. Naturalisation aims to restore rivers to a state closer to their original course by removing hard engineering and other restrictive structures. In this case, meandering straightened sections and re-grading of banks is proposed to incorporate floodplain volume for flood storage within the banks to reduce flood risk on properties.

#### LEGEND

	EXCAVATED CHANNEL
	EXISTING WATERCOURSE
	PROPOSED WATERCOURSE
	ABANDONED WATERCOURSE
	EXISTING GROUND
	PROPOSED GROUND
	200 YEAR WATER LEVEL

Rev.:	Date	Drawn	Designed	Checked	Approved
Client Approval					
A - Approved					
B - Approved with Revisions					
C - Do Not Use					
Purpose of Issue					Status
Suitable for Coordination					S1

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Project: **Borders Flood Studies**

Title: **Newcastleton  
 Charlie Sike: Option 3  
 New Open Channel & Floodplain**

Client: **MOTT MACDONALD** for **Scottish Borders COUNCIL**

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