

Peebles

Option 3A: South Parks

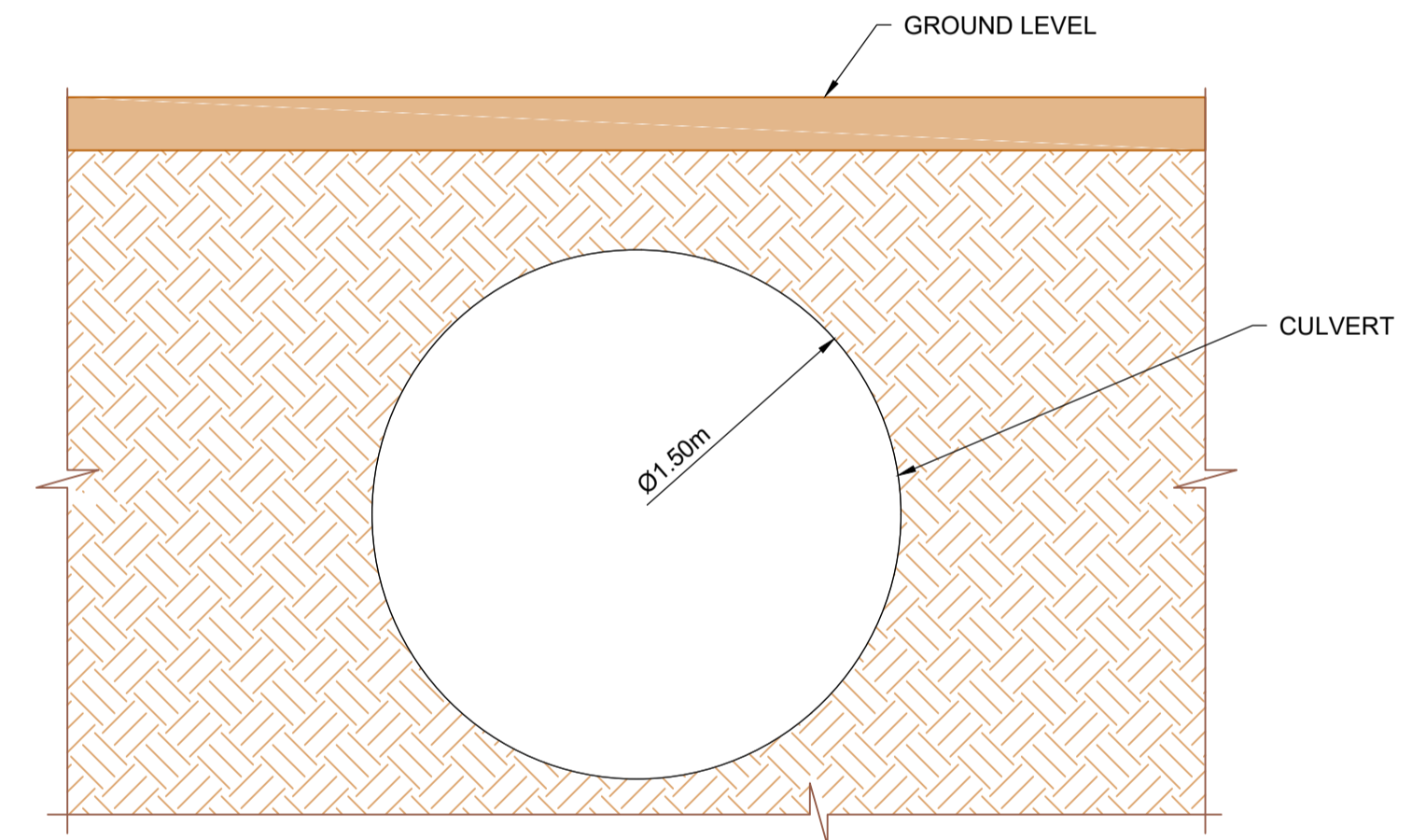
200 Year Standard of Protection Culvert Upgrade & Bed Lowering

OPTION SUMMARY: Upgrade of diversion channel culvert and Edderston Burn culvert with reprofiled channels upstream to improve inlet conveyance. Culverts have been sized to cater for the 200 year plus climate change event with at least a 300mm barrel clearance to soffit. The diversion channel culvert currently runs under a housing estate, as part of the culvert upgrade the culvert will be laid along a new path as shown in purple. The residual flood risk is mitigated by deepening of the channels upstream of each culvert. Options to meander the diversion channel could also provide wider aesthetic and environmental benefits.

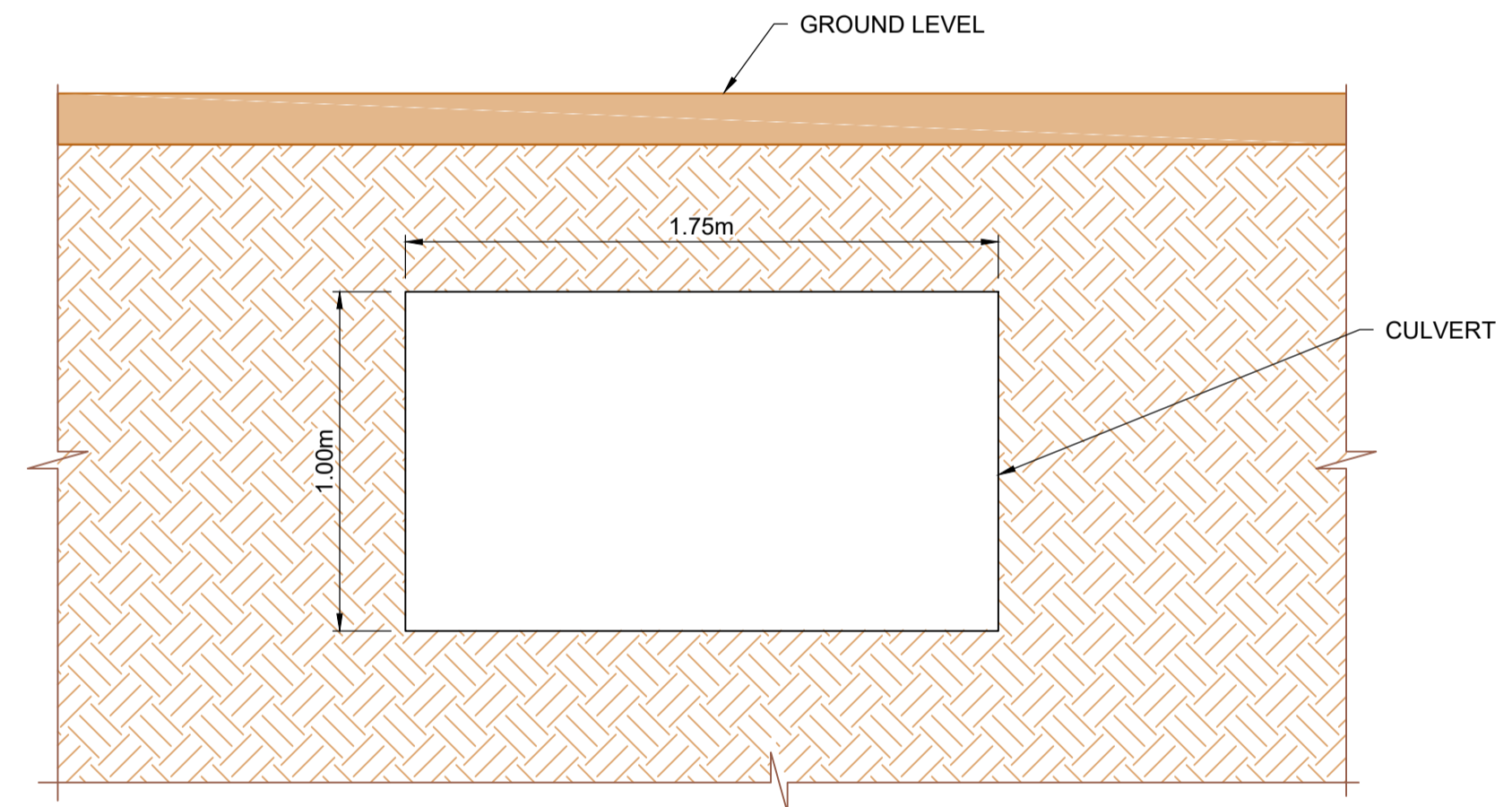
- LEGEND**
- EXISTING GROUND
 - EXISTING GROUND LEVEL
 - 200 YEAR WATER LEVEL
 - ABANDONED CULVERT
 - OPEN CHANNEL BED LOWERING
 - NEW CULVERT
 - WALL DEFENCE
 - EXISTING WATERCOURSE

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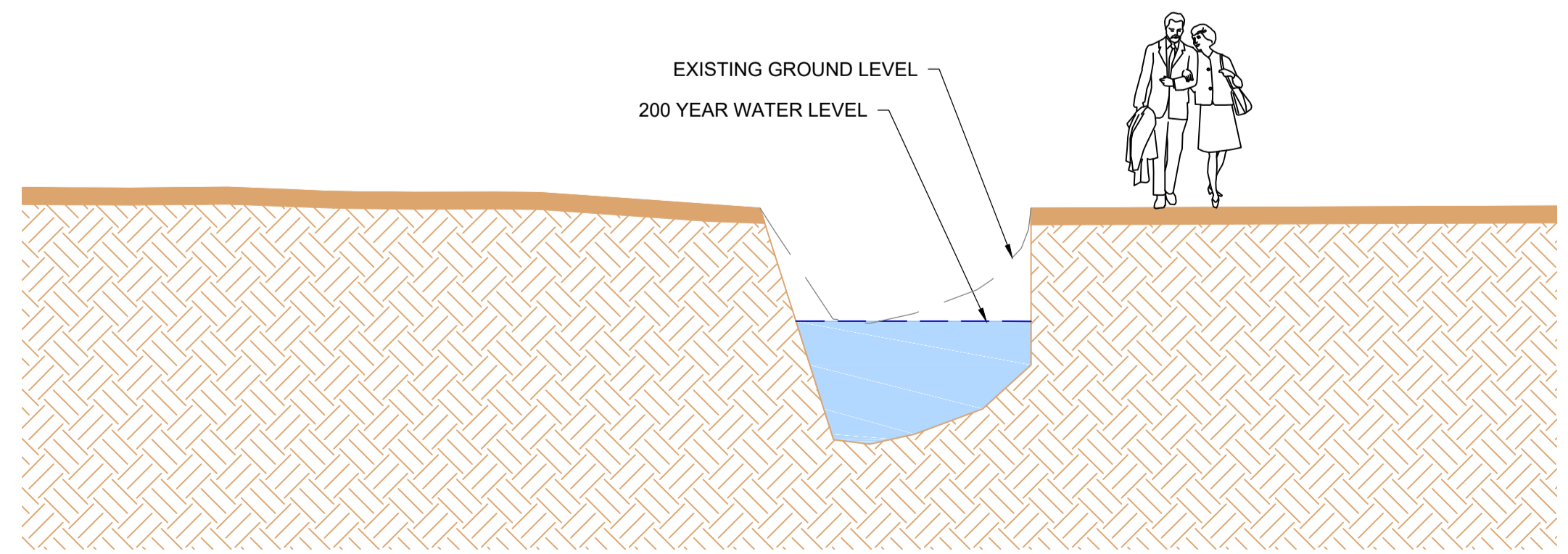
PLAN
1:2500



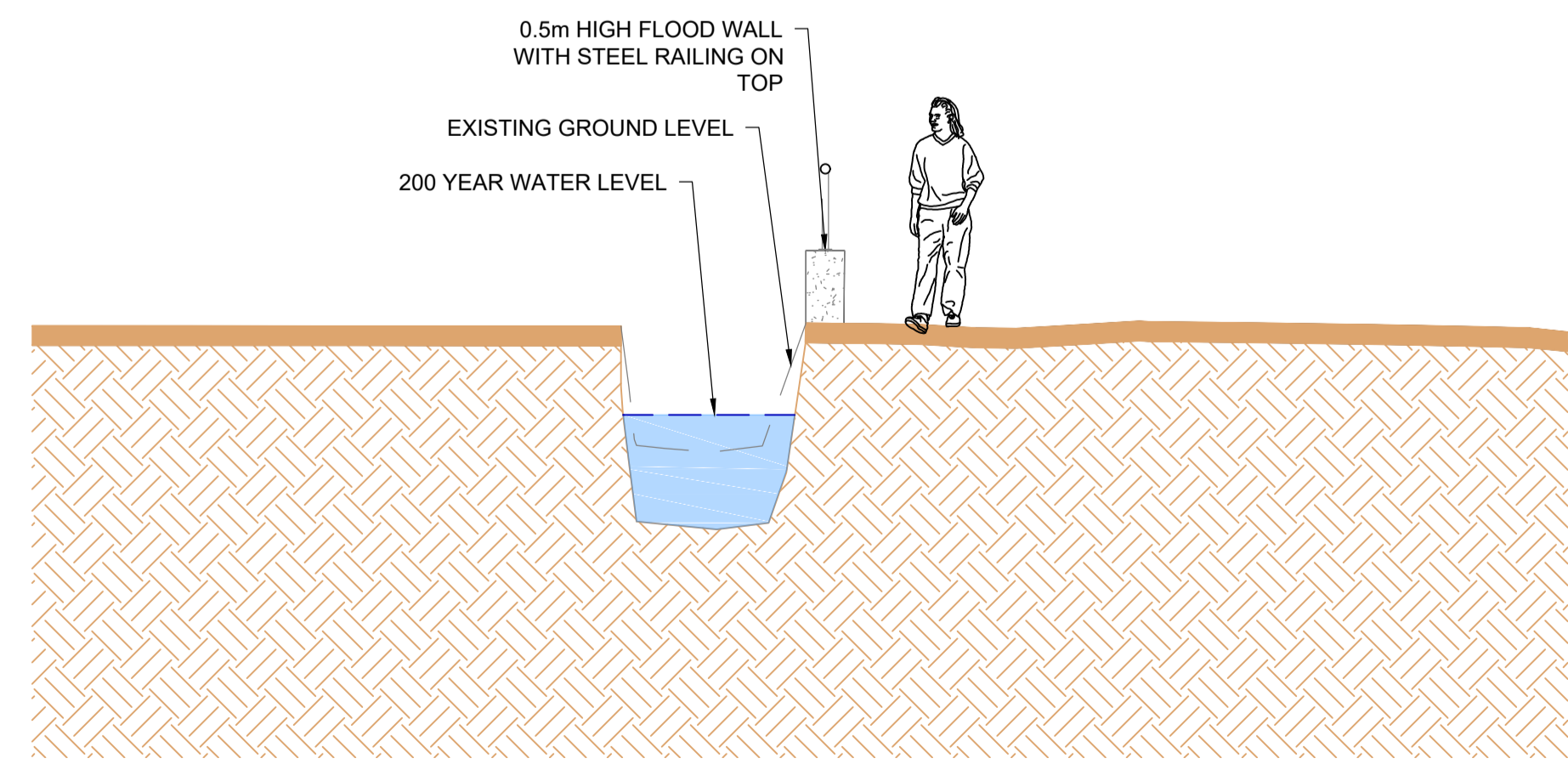
PROPOSED DIVERSION CULVERT TYPICAL SECTION
1:20



EDDERSTON BURN PROPOSED BOX CULVERT TYPICAL SECTION
1:20



SECTION A-A
1:50



SECTION B-B
1:50

Comments					
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 Peebles
Edderston Burn: Option 3A 200 Year
Culvert Upgrade With Bed Lowering

Client for

M M
MOTT
MACDONALD

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Scale As Shown @ A1	Drawn: A Coad	13/02/18
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	Checked: A Pettit	17/07/18
	Approved:	

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