

PLAN
1:2000

Innerleithen

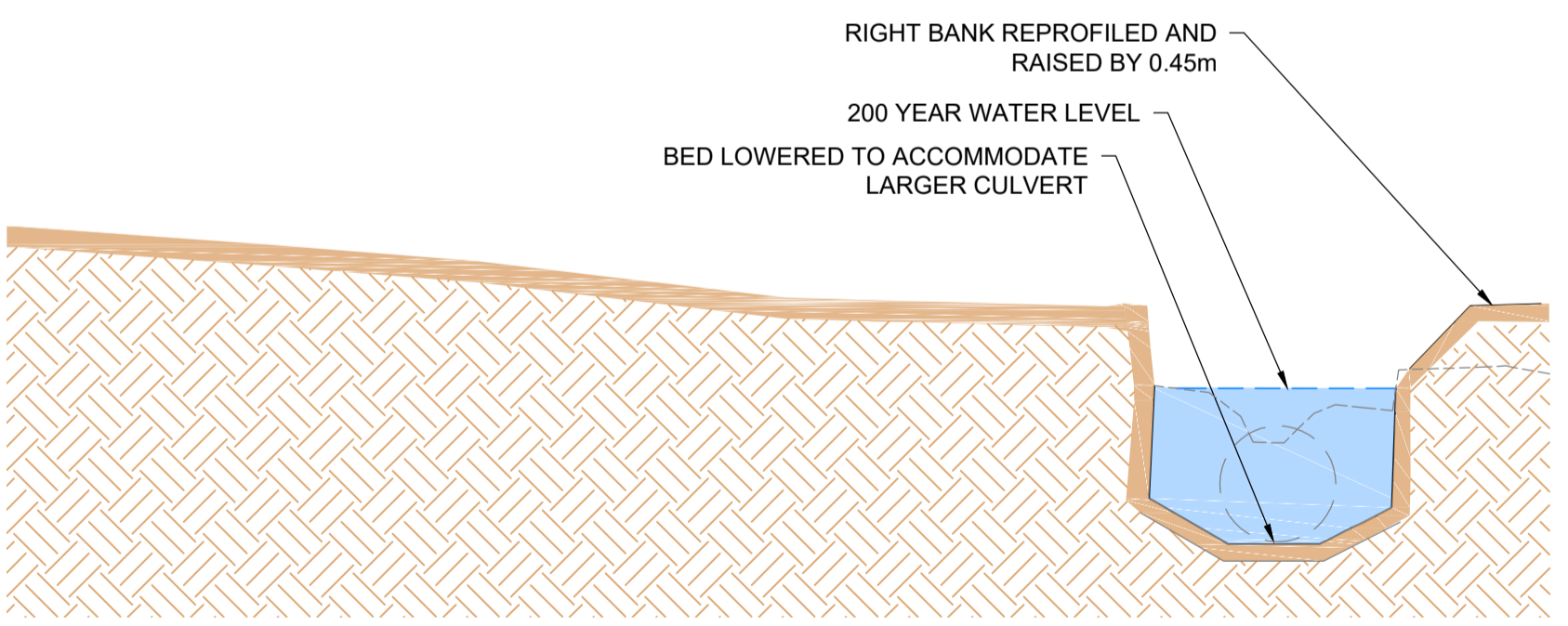
Option 4: Chapmans Burn

200 Year Storage with Channel Reprofilng, Sealed Manholes and New Upgraded Culvert

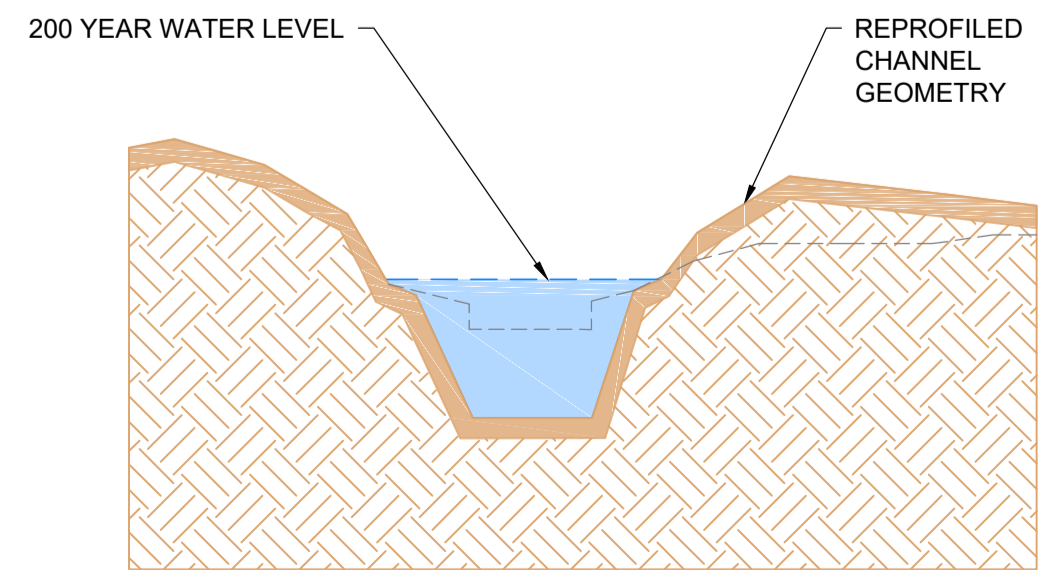
Manhole ID Number	REPLACEMENT CULVERTS		Sealed Manhole
	Existing Culverts Diameter (mm)	Proposed Culverts Diameter (mm)	
Inlet_0000	300	1200	No
XXX1	300	900	No
XXX3	450	900	No
XXX4	450	600	No
XXX5	450	600	Yes
XXX6	450	600	Yes
XXX7	600	600	Yes
XXX8	600	600	Yes
XXX9 UTR	600	600	Yes
XX10	600	N/A	Yes
XX11 UTR	600	N/A	Yes
XX12 UTR	600	N/A	Yes
XX13 UTR	600	N/A	Yes
XX14 UTR	600	N/A	Yes
XX15	600	N/A	Yes
XX16	600	N/A	Yes
XX17	600	N/A	Yes
XX18	600	N/A	Yes
XX19 UTR	675	N/A	Yes
XX20	675	N/A	Yes
XX21	675	N/A	Yes
NT32368901	280	900	No
Cha_0049BU	850	N/A	No

OPTION SUMMARY. Option aims to achieve a 1 in 200 year standard through the combination of upstream channel/culvert improvements, upgrading of existing FPS culverts from the culvert entrance to Hall Street, the creation of a flood storage area to minimise culvert upgrades in the downstream section. Manholes would also need to be sealed. Option to open up upper section of the culvert.

- LEGEND**
- EXISTING GROUND LEVEL
 - FINISHED GROUND LEVEL
 - 200 YEAR FLOOD LEVEL
 - NEW CULVERT CONNECTION TO STORAGE AREA
 - UPGRADED CULVERT
 - SEALED CULVERT
 - RAISED EMBANKMENT
 - CULVERT ALIGNMENT
 - NEW STORAGE AREA
 - Ⓧ MANHOLE / CULVERT INLET



SECTION A-A
1:50



SECTION B-B
1:50

Rev.:	Date	Drawn	BH	Designed	JG	Checked	AP	Approved
P02								

Comments: Background mapping transparency reduced and manhole / culvert inlets altered

Client Approval: A - Approved, B - Approved with Revisions, C - Do Not Use

Purpose of Issue: Suitable for Coordination, Status: S1

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Project: **Borders Flood Studies**

Title: **Innerleithen: Option 4 Chapman's Burn 200 Year SoP Storage with Channel Reprofilng, Sealed Manholes and New Upgraded Culvert Plan**

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

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Scale: As Shown @ A1	Drawn: A Coad	13/02/18
	Designed: J Garrett	12/02/18
	Checked: A Pettit	12/07/18
	Approved:	

Project Number: 2017s5526
Drawing Number: AEM-JBAU-IL-CB-IM-C-1200
Revision: P02

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