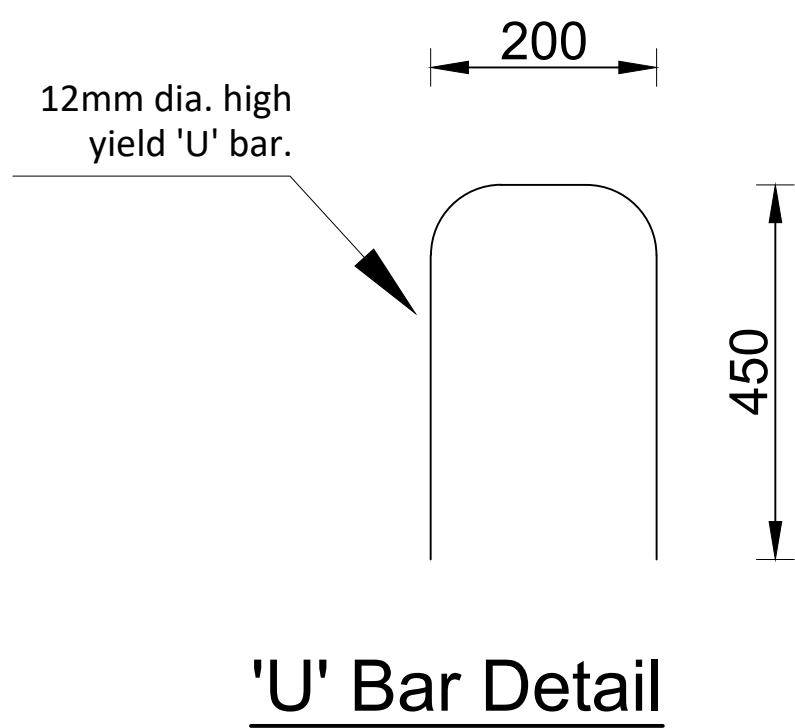
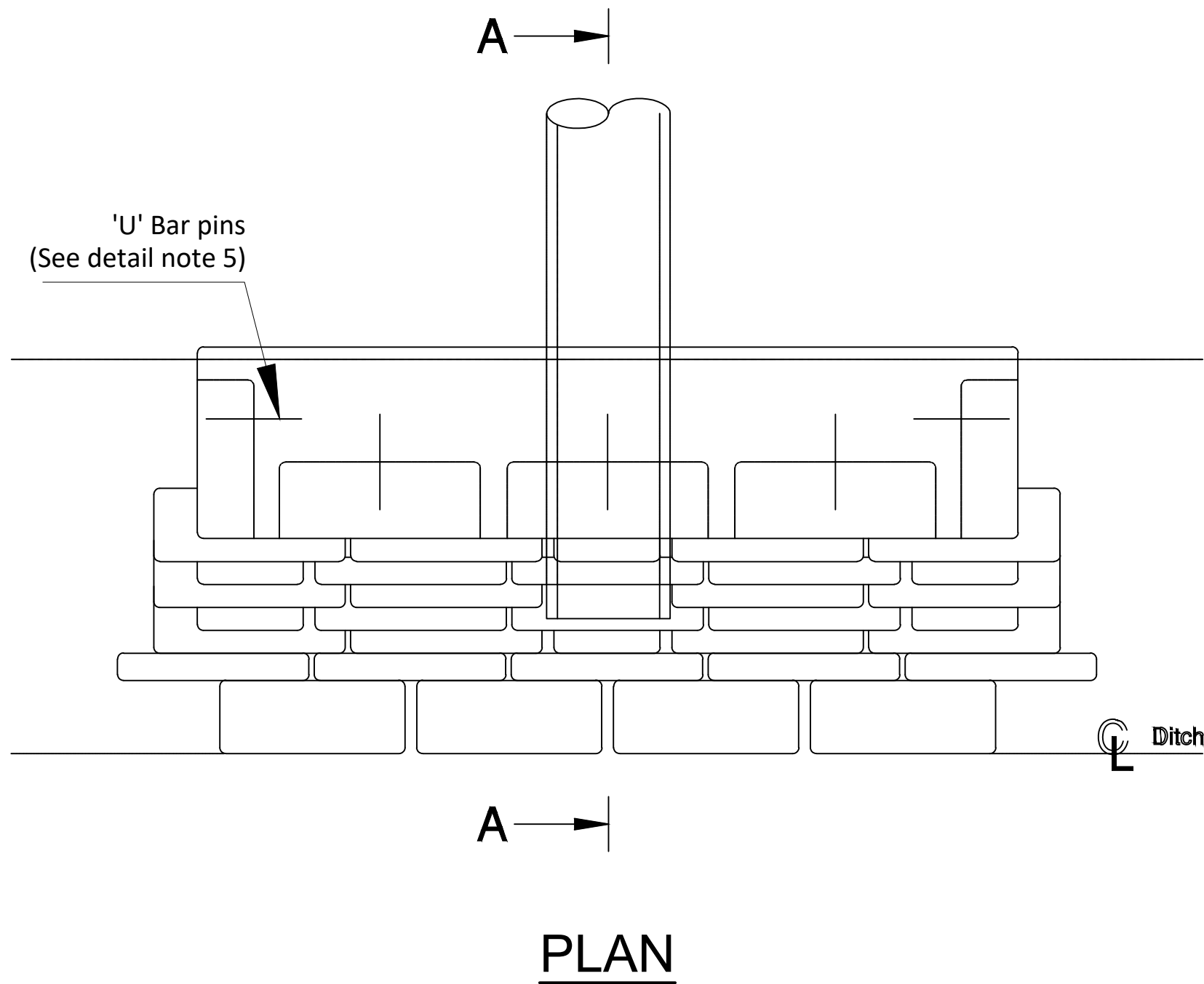
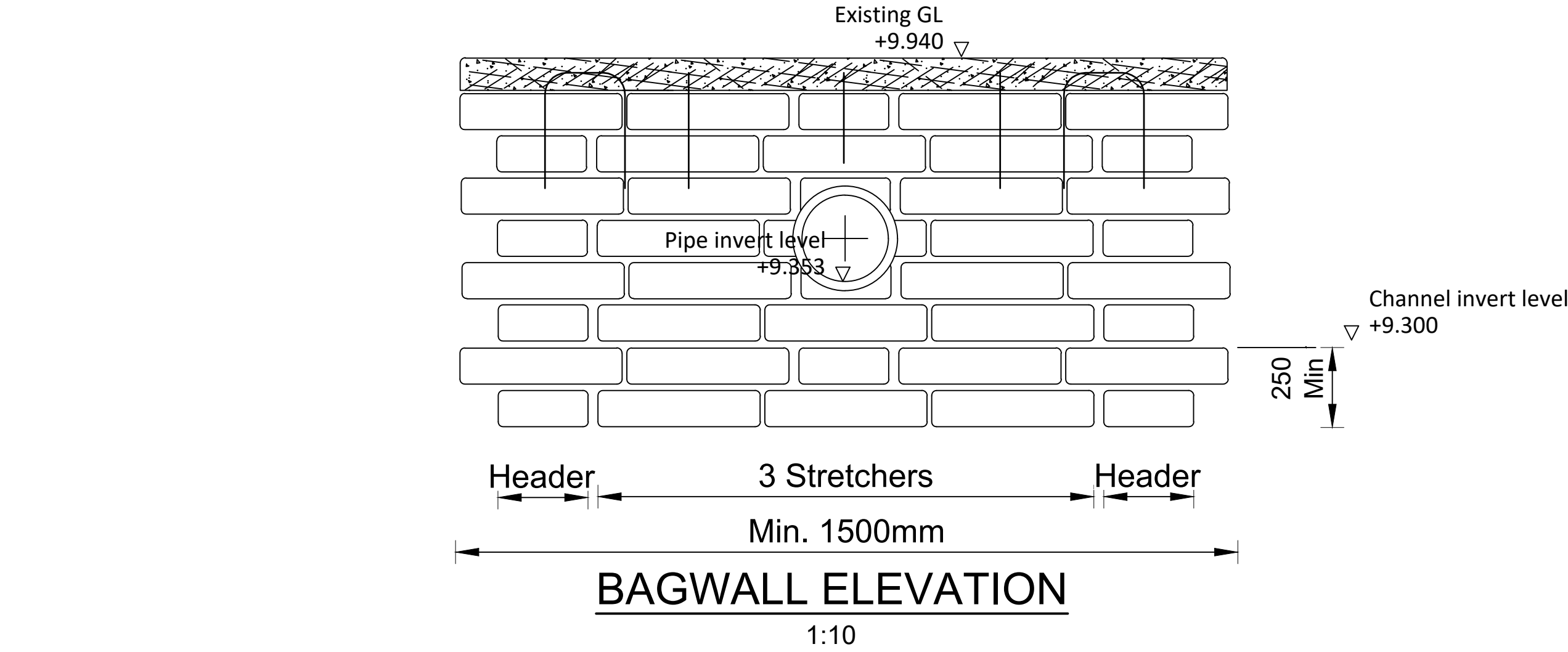
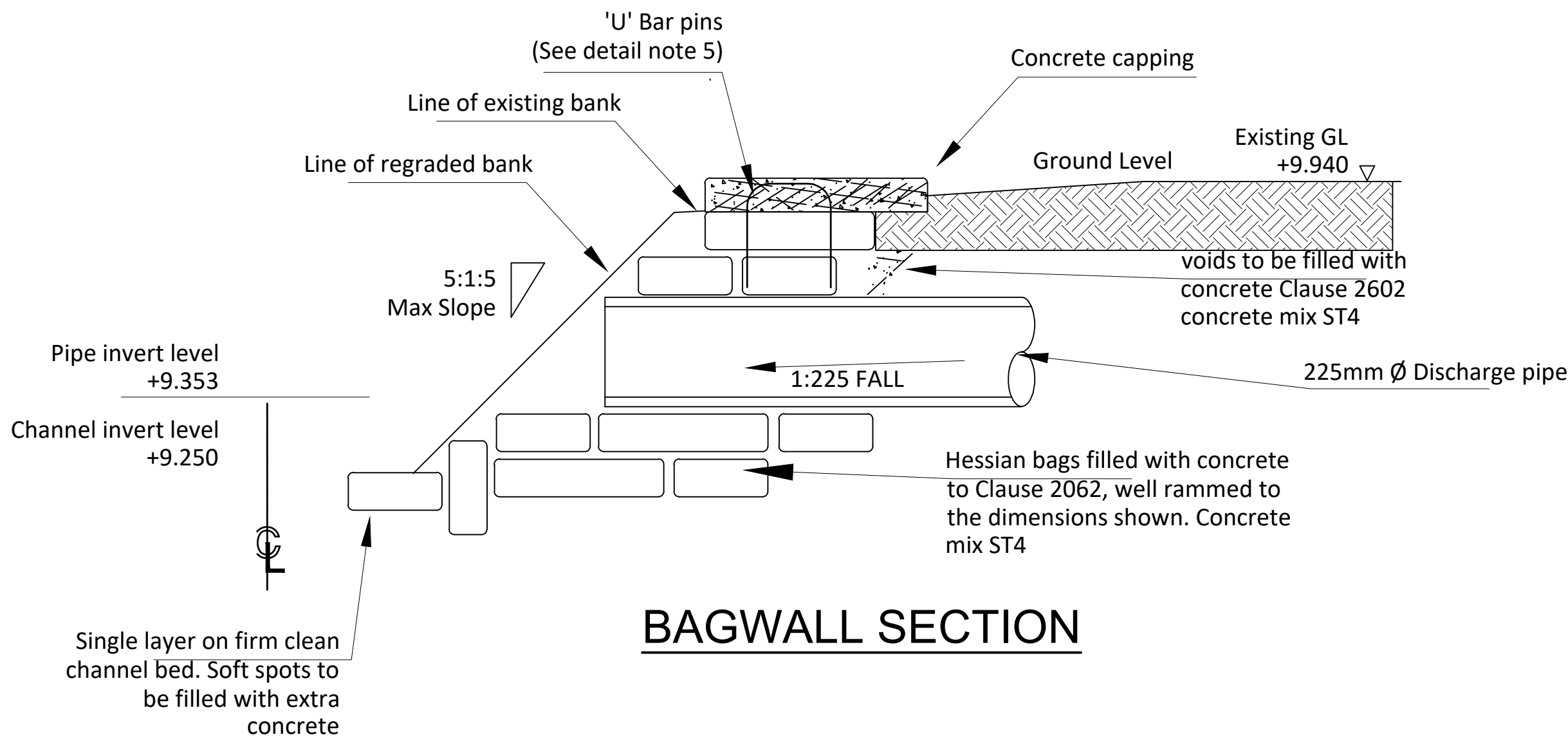




1. All dimensions are in millimetres unless noted otherwise.
2. For details of size and invert of pipe and top of headwall level etc. see engineering layouts.
3. Completed bagwork to be wetted to ensure bonding.
4. Where the headwall is at the head of a ditch the invert bagwork shall extend 4 bag widths.
5. Alternate courses of bagwork shall be pinned with 12mm dia high yield steel 'U' bars. 450mm long.
6. Concrete to sulphate resisting class DS-1 of Table C2 of BRE Special Digest 1:SD1 Par C (2005) ACEC class AC-1

TYPICAL BAGWALL DETAIL FOR SURFACE WATER OUTFALL INTO DITCH

HEADWALL DETAILS TO BE READ IN
CONJUNCTION WITH SECTION A-A ON
DRAWING NO. 435050-205



NOTES

1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
2. All dimensions are in millimetres unless noted otherwise.
3. The Contractor is responsible for the setting out and for checking all dimensions.
4. Bags shall be of Hessian and shall be of a size to provide a wall thickness of 500mm
5. Concrete bagwork shall be to Clause 519 and be three quarter filled with 25mm slump ST4 concrete immediately prior to placing with the ends sewn.
6. The bags shall be placed in a modified flemish bond so as to 'break joint' with the mouths away from the surface and be tamped into position to form a rectangular block.
7. Extent of outlet protection to be the greater of 1500mm or pipe diameter + 1200mm spanning the outlet pipe.
8. Headwall design may need to be adjusted to on site conditions following approval from engineer.
9. Ditch to be regraded as requested.
10. All exposed pipework to be certified UV stable.
11. Pipe details to be as specified on supporting drawings.
12. In accordance with The Construction (Design and Management) Regulations 2015 (CDM 2015) the Principal Designer and Contractor are to:
 - Notify HSE of works.
 - Comply with the requirements of Health and Safety Plan (if applicable)
 - Provide risk assessments and method statements for all potential hazards relevant to this project.

SEP 2021	TB	Note added and channel invert ammended on section					2
AUG 2021	TB	Outfall invert revised					1
Date	By	Revision			QA'D	Chk'd	Ref
Status							
CONSTRUCTION							
		Cowan Consultancy		Also at: Landguard Manor Landguard Manor Road Shanklin Isle of Wight PO37 7JB			
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3 Turnberry House 4400 Parkway Whiteley Fareham Hampshire PO15 7FJ				Tel: 01489 577488 Fax: 01489 579873 consultants@cowanconsult.co.uk www.cowanconsult.co.uk			
Client							
IMPERIAL HOMES							
Project							
SPRINGFIELDS ALDINGBOURNE							
Title							
HEADWALL DETAILS							
Date	AUG 2021		Scale	AS SHOWN @ A1		Drg. No.	
Drawn	TB		Chk'd	EG	QA'D	435050-206C	