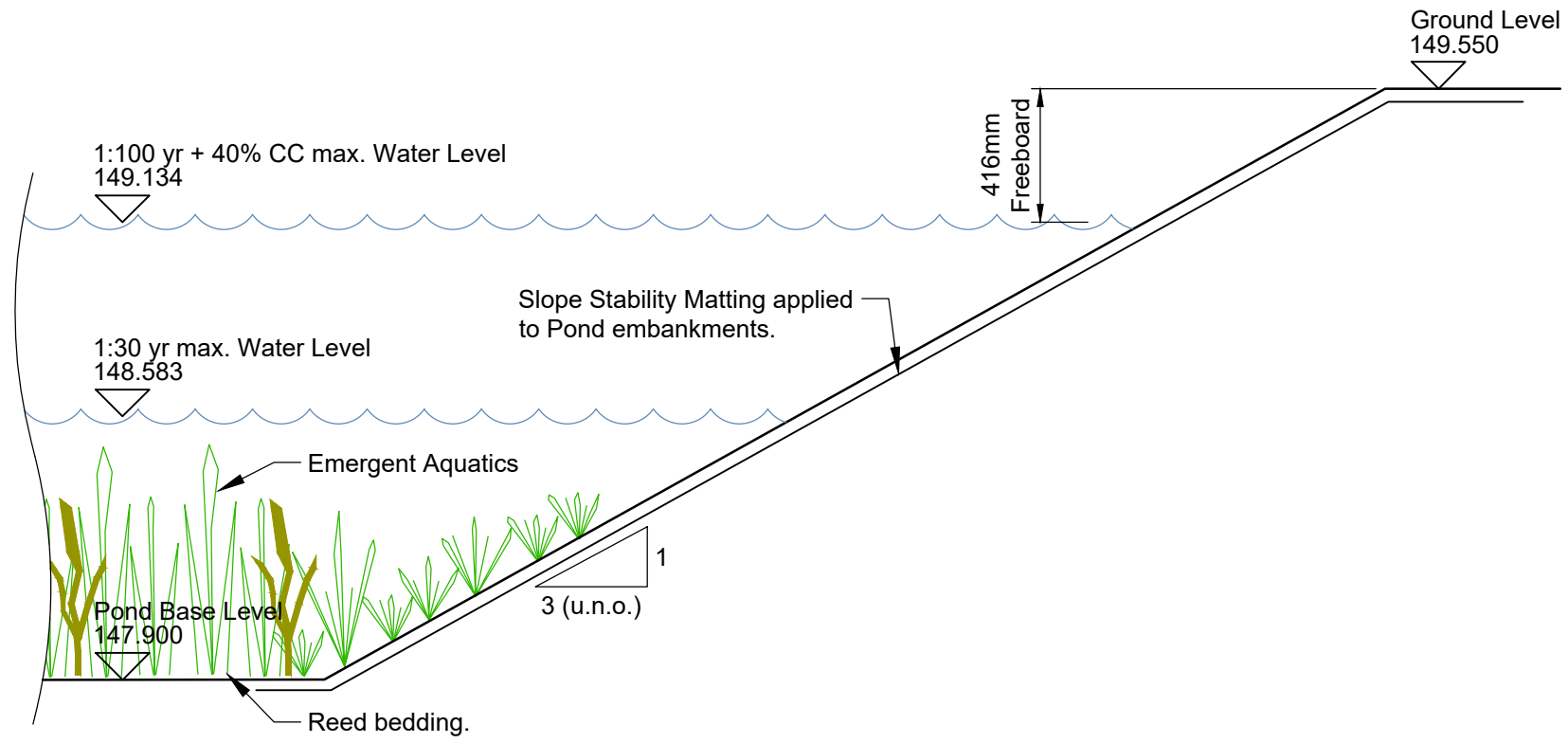
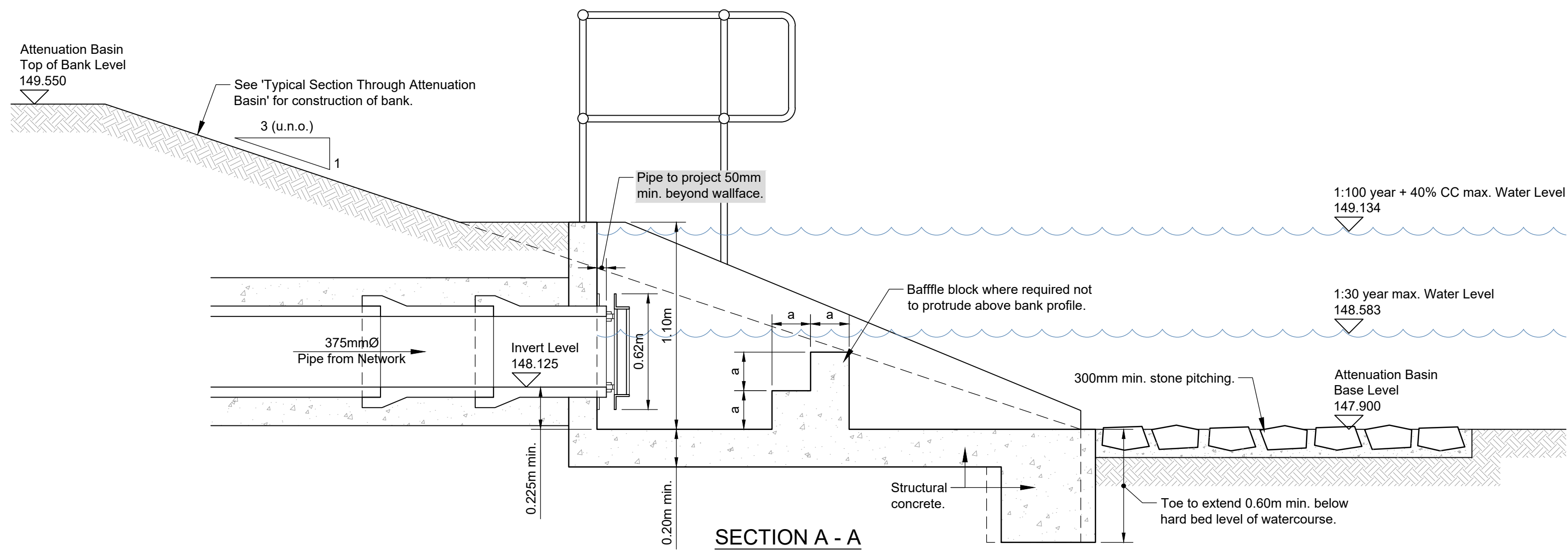
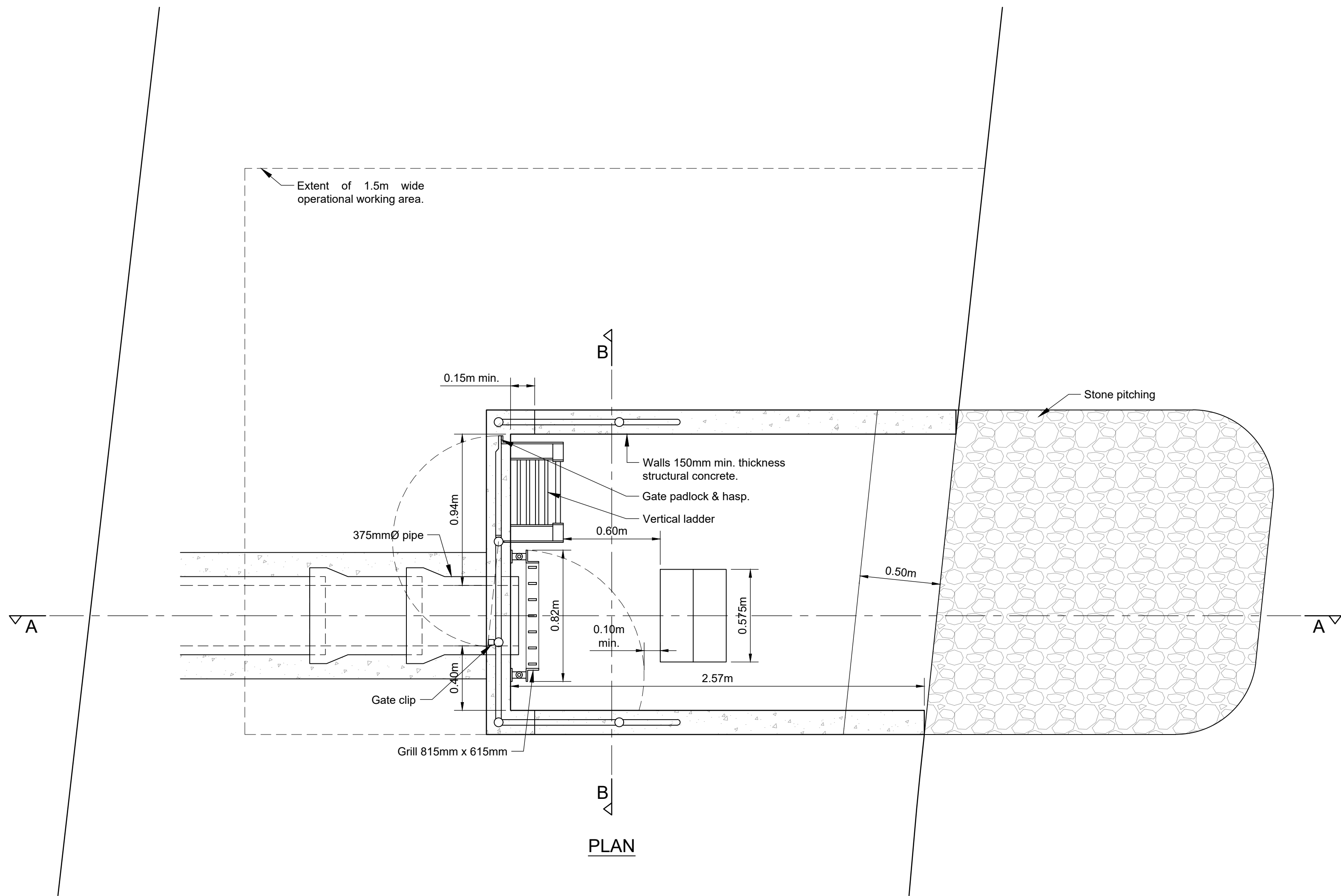




ATTENUATION BASIN CONSTRUCTION

LINED BASE/BANKS

- Subject to existing ground conditions.
- Imported puddle clay (depth 300mm) to allow reed growth to the base.
Note: this may require to be re-assessed in conjunction with landscape consultants when formal landscape drawings are produced.
- Imported puddle clay depth 150mm to extend to 148.600m contour on banks.

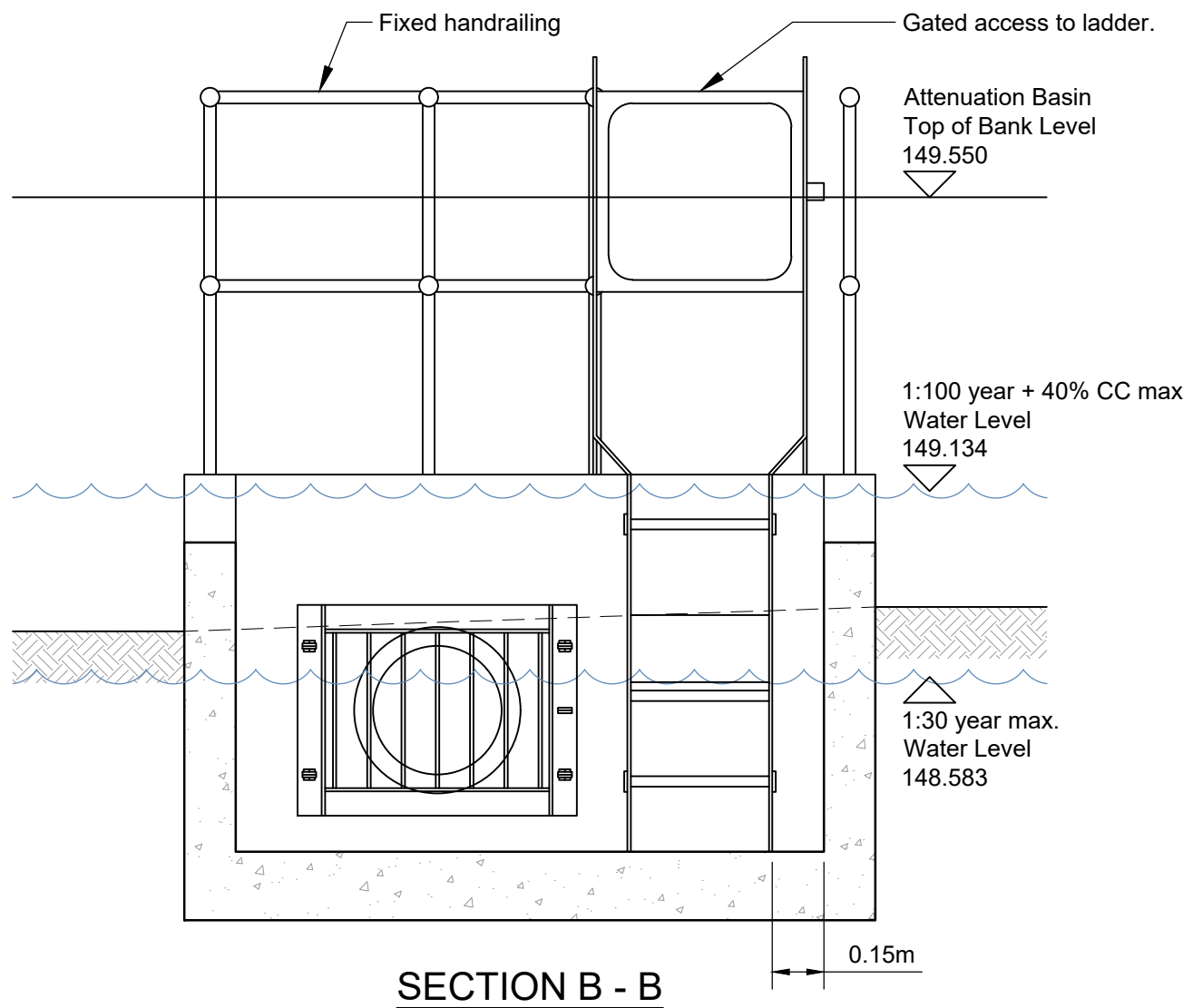
UN-LINED BANKS

- Subject to stability of existing ground.
- 'TURFMAT' by TENSAR or 'GREENFIT COVAMAT' laid direct on existing excavated ground.
or
- TENSAR 'MAT' laid over 80mm topsoil with topsoil/seed brushed in. The contractor may adopt alternative solutions to the above subject to approval.

TYPICAL SECTION THROUGH ATTENUATION BASIN

GENERAL NOTES

- The headwall and wingwalls should not project beyond or above the line of the bank.
- No part of the structure should cut into any flood embankment.
- Stone pitching may be required to protect the bed and opposite bank at and downstream of the outfall.
- Top surface of stone pitching to be flush with channel banks and bed profile.
- Flap valve fitted to discharge pipe outlet where necessary (see design manual for guidance).
- Structural design of base and walls to be carried out by designer.
- Any piling and geotechnical assessment shall be carried out by the designer.
- Suitable for pipes up to 600mmØ.
- A safety grill shall be provided over all pipes exceeding 350mmØ (see table and dwg no. STD6006 for details).
- Ladder and handrailing to be in accordance with EEMUA publication 105 - factory stairways, ladder and handrails.
- Pipe projection and height above apron required to facilitate Environment Agency sampling.
- All dimensions in millimetres (mm) unless otherwise stated.



C1	MAX. WATER LEVELS AMENDED TO SUIT LATEST CALCS	OJB	01.06.23		
C0	DRAWING ISSUED FOR CONSTRUCTION.	OJB	27.09.21		
P0	INITIAL ISSUE.	OJB	15.04.21		
REV	AMENDMENT	BY	DATE		
	PROJECT EXECUTION CLASS: N/A				
	All materials supplied in relations to those specified on this drawing are to be CE marked in accordance with the European Union Declaration of conformity				
PURPOSE OF ISSUE					
CONSTRUCTION					
COUCH					
Consulting Engineers Civil & Structural					
The Old Forge, Priory, London Road, Garwell, Sutton Coldfield, B75 5SH Tel: 0121 338 7557 info@couch.co.uk		14-16 St. Nicholas, Church Street, Warwick, CV34 4JD Tel: 01926 409 036 www.cceeng.co.uk			
Genesis Centre, 18 Innovation Way, Stoke-on-Trent, ST6 4BF Tel: 01782 366 160					
CLIENT					
					
PROJECT					
RESIDENTIAL DEVELOPMENT @ SALTERSFORD LANE, ALTON					
DRAWING TITLE					
SECTION 104 WORKS - ATTENUATION BASIN DETAILS SHEET 1 OF 2					
SHEET SIZE	SCALE	DATE	DRAWN	CHECKED	STATUS
A1	1:20	APR 2021	OJB	MS	-
CCE PROJECT No.	DRAWING No.				REV
c7481	216-1				C1