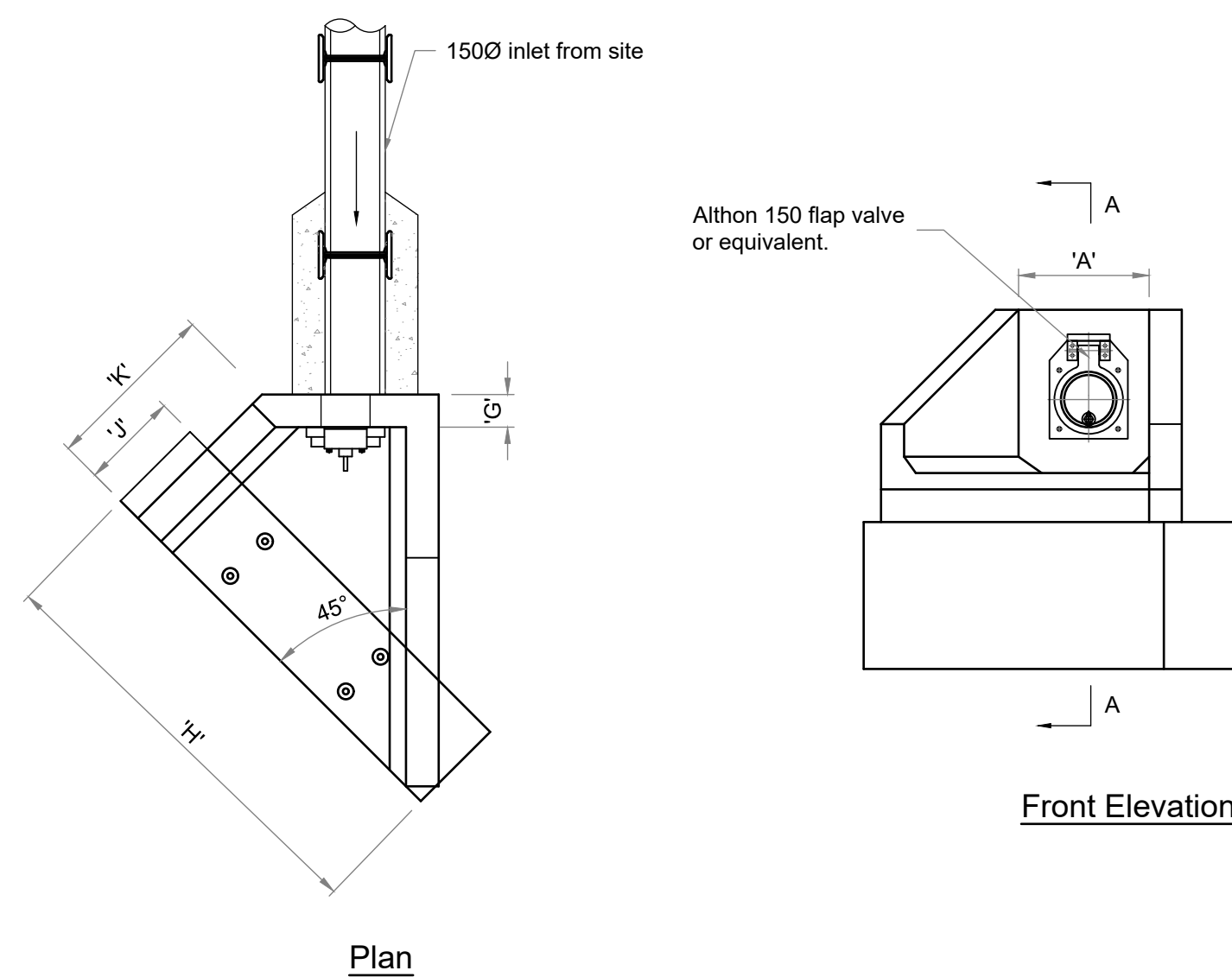
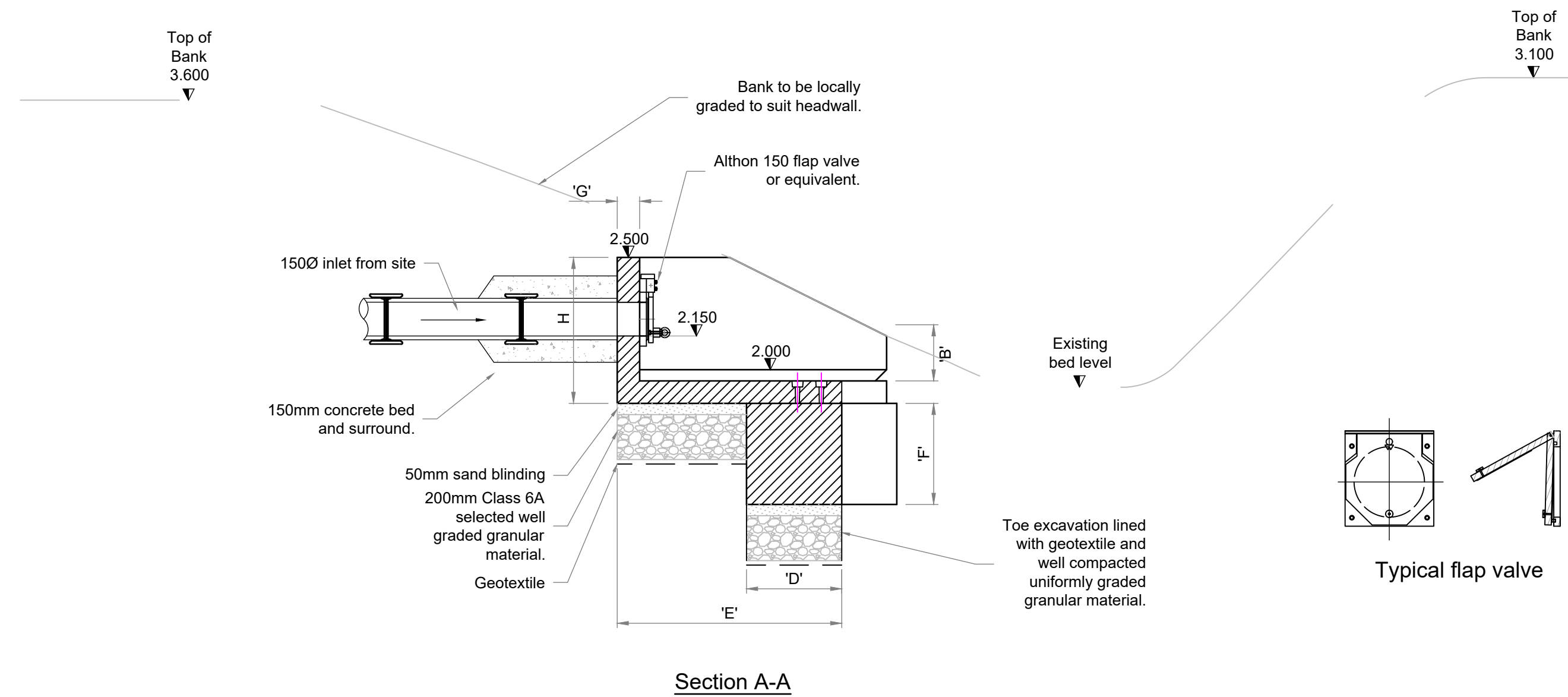


Pre-cast headwall specification

- A. The headwall details shown are supplied by Althon Ltd (01603 488700). Alternative providers are acceptable providing they meet the specification provided.
- B. The pre-cast headwall shall be installed in accordance with the manufacturers specifications and drawings.
- C. Units should be bedded on minimum 200mm of Class 6A granular material with 50mm sand binding layer. Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.



Front Elevation

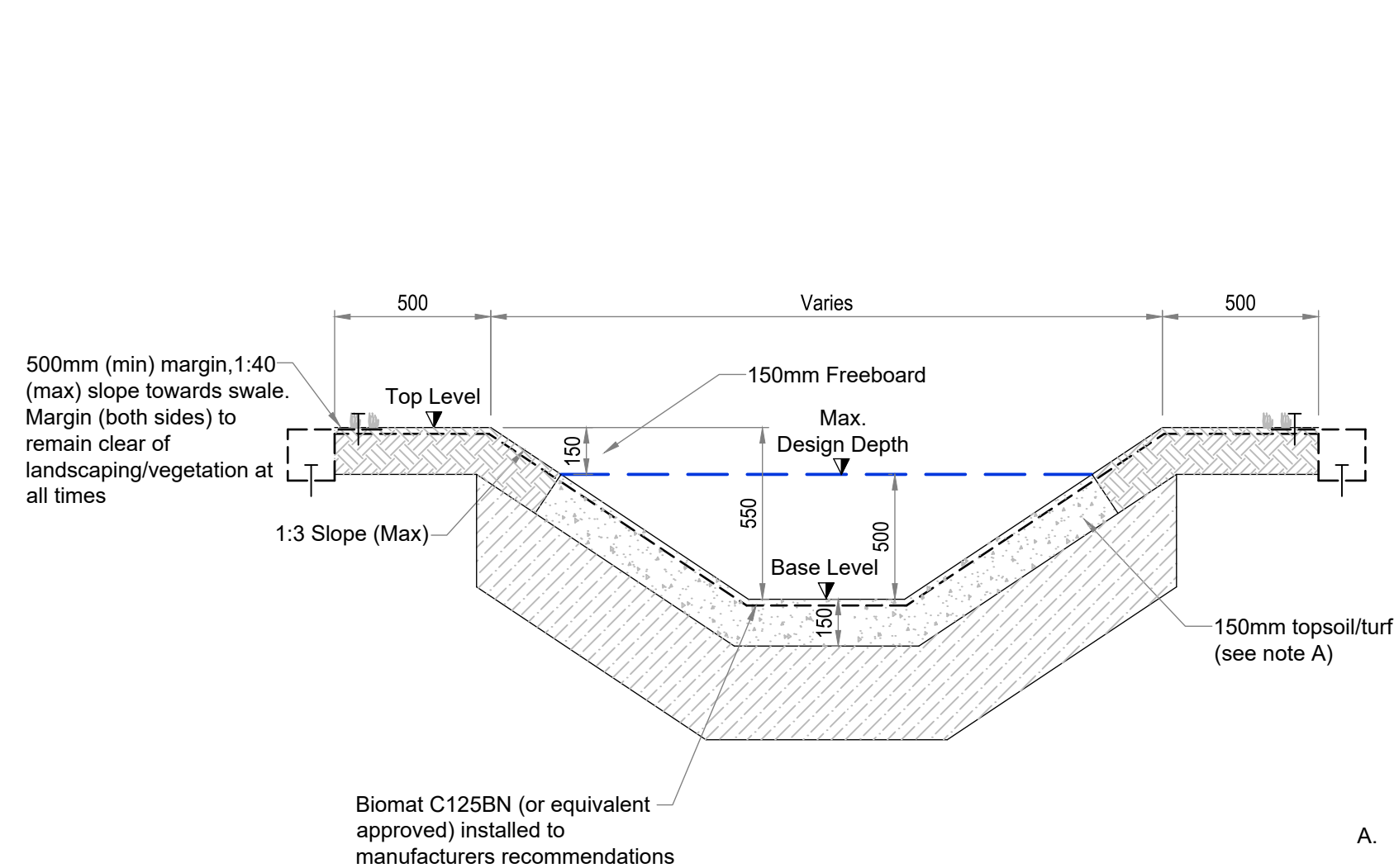


Section A-A

Headwall Reference	Headwall Manufacturer	Part Reference	Outlet pipe		Headwall dimensions (mm)										Kee Klamp	Flap Valve	Cranked Grating
			Dia (mm)	Invert (m)	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'			
Outfall	Althon	AH4CARH	1500	2.150	400	250	1300	450	1200	450	100	600	300	537	N	Y	N

Headwall Outfall to Watercourse

Scale 1:20

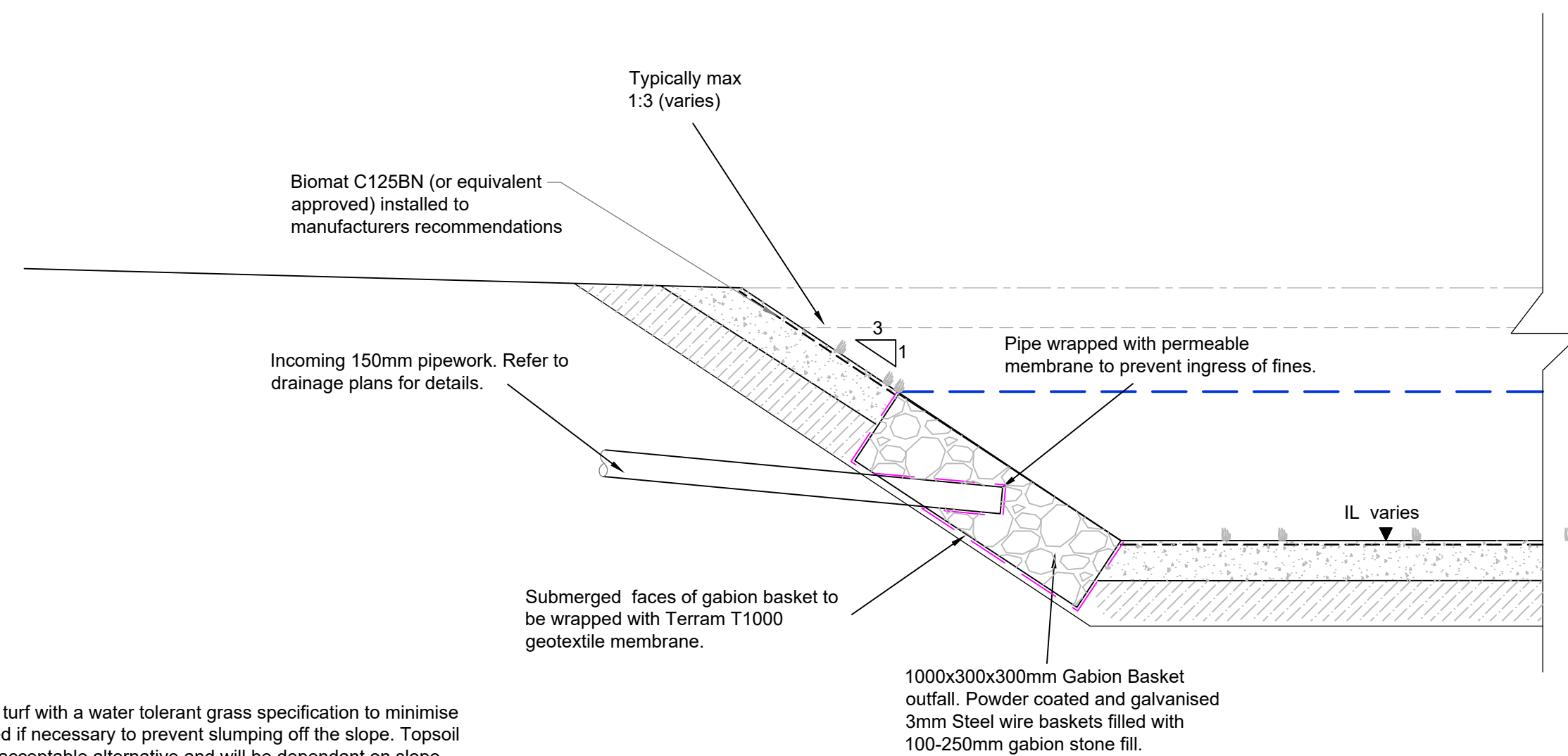


Typical swale detail

Scale 1:20

Notes:

- A. Slope finish to be dense turf with a water tolerant grass specification to minimise erosion. Turf to be pinned if necessary to prevent slumping off the slope. Topsoil and seeding may be an acceptable alternative and will be dependent on slope grade, seasonal laying and when the feature will become operational post construction i.e. risk of wash out.
- B. Swale to be planted early in construction stage if possible to allow planting time to establish prior to use
- C. Exposed pipes to be UV stable.



Typical swale/basin gabion outfall detail

Scale 1:20

Notes

1. Do not scale from this drawing on print or electronically. Work from figured dimensions only.
2. No deviation from the details on this drawing is allowed without CampbellReith's prior permission in writing.
3. Read this drawing with all Architect's, Service Engineer's and CampbellReith's relevant details, specifications and drawings.
4. All work is to be done in accordance with the relevant specifications issued by CampbellReith, British Standard Codes of Practice, Statutory Requirements and the Contract Documents.
5. Drawing status:

P: Preliminary	Evolving drawings for approvals, tenders, billings etc.
C: Construction	Fully developed drawings issued under instructions for construction.
6. Only status **C** drawings to be used for construction.
7. Suitability code:

Work in progress

S0 - Work in progress

Shared (Non-contractual)

S1 - For coordination, **S2** - For information, **S3** - For internal review and comment, **S4** - For construction approval.

Documentation (For contractors purposes)

D1 - For Costing, **D2** - For Tender, **D3** - For contractor design, **D4** - for manufacture/procurement.

Construction
A - For construction, **B** - For construction but with comments (i.e. areas in

A - For construction, **B** - For construction but with comments (i.e. areas in abeyance), **CR** - Construction Record (Final Construction ONLY. Any deviations to that which is on site is not the liability of CampbellReith)

P1	Issued for Tender	02.07.21	SH
Rev	Description	Date	By

CampbellReith
consulting engineers

London	020 7340 1700	☐	☐	Manchester	0161 819 3060
Surrey	01737 784 500	☒	☐	Birmingham	01675 467 484
Bristol	0117 916 1066	☐	☐	Dubai	00 971 4345 7088
www.campbellreith.com					

Job Title	Central Arun Crematorium
Client	Westerleigh

Drainage Construction Details Sheet 4

Drawn by SH	Date made June'21	Scale @ A1 As Shown	Checked by AJH	Suitability S2	CR Project 13591
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Project No.	Originator	Volume	Lvl/Loc	Type	Role	Number	Rev
13591	CRH	XX	XX	DR	C	5304	P1