

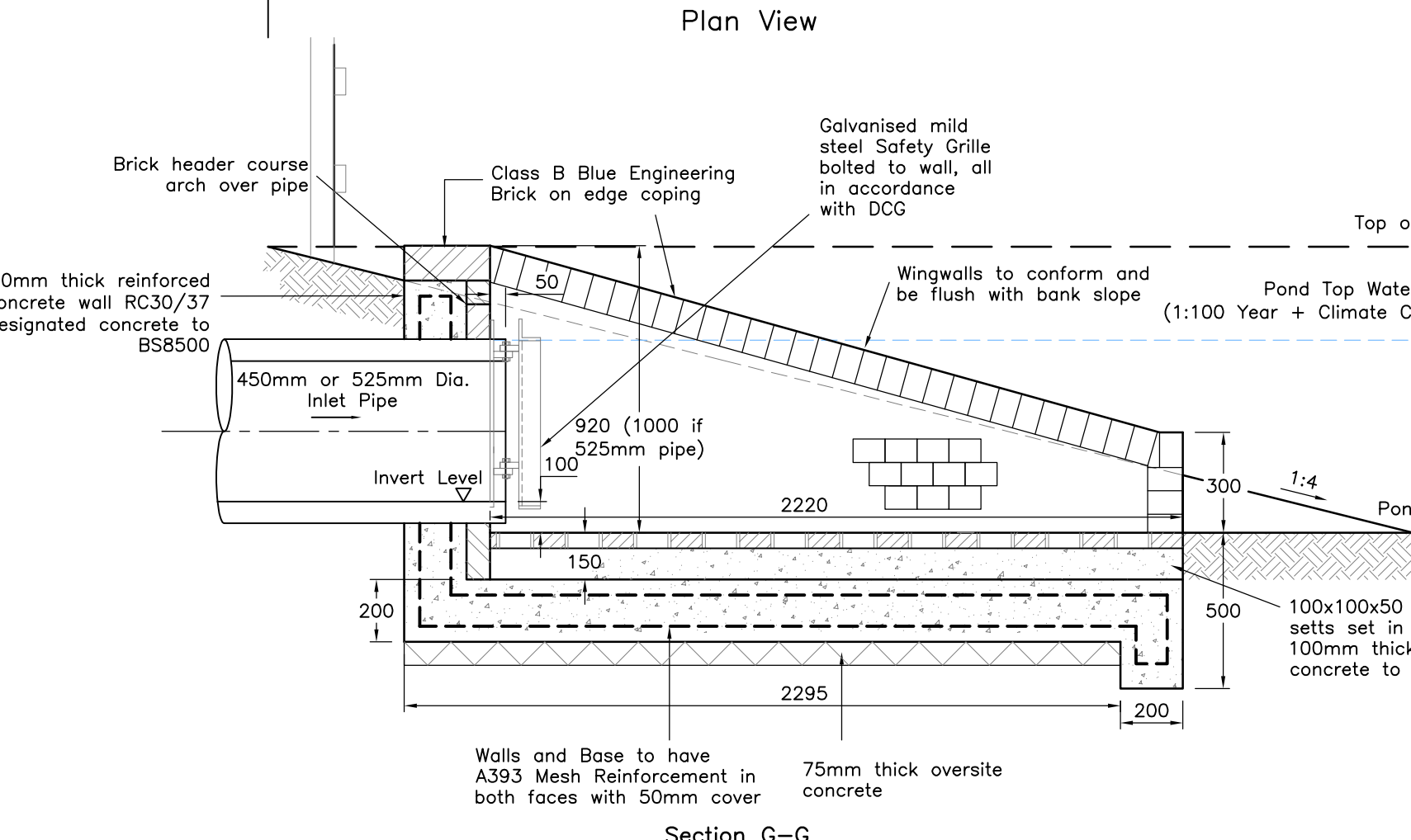
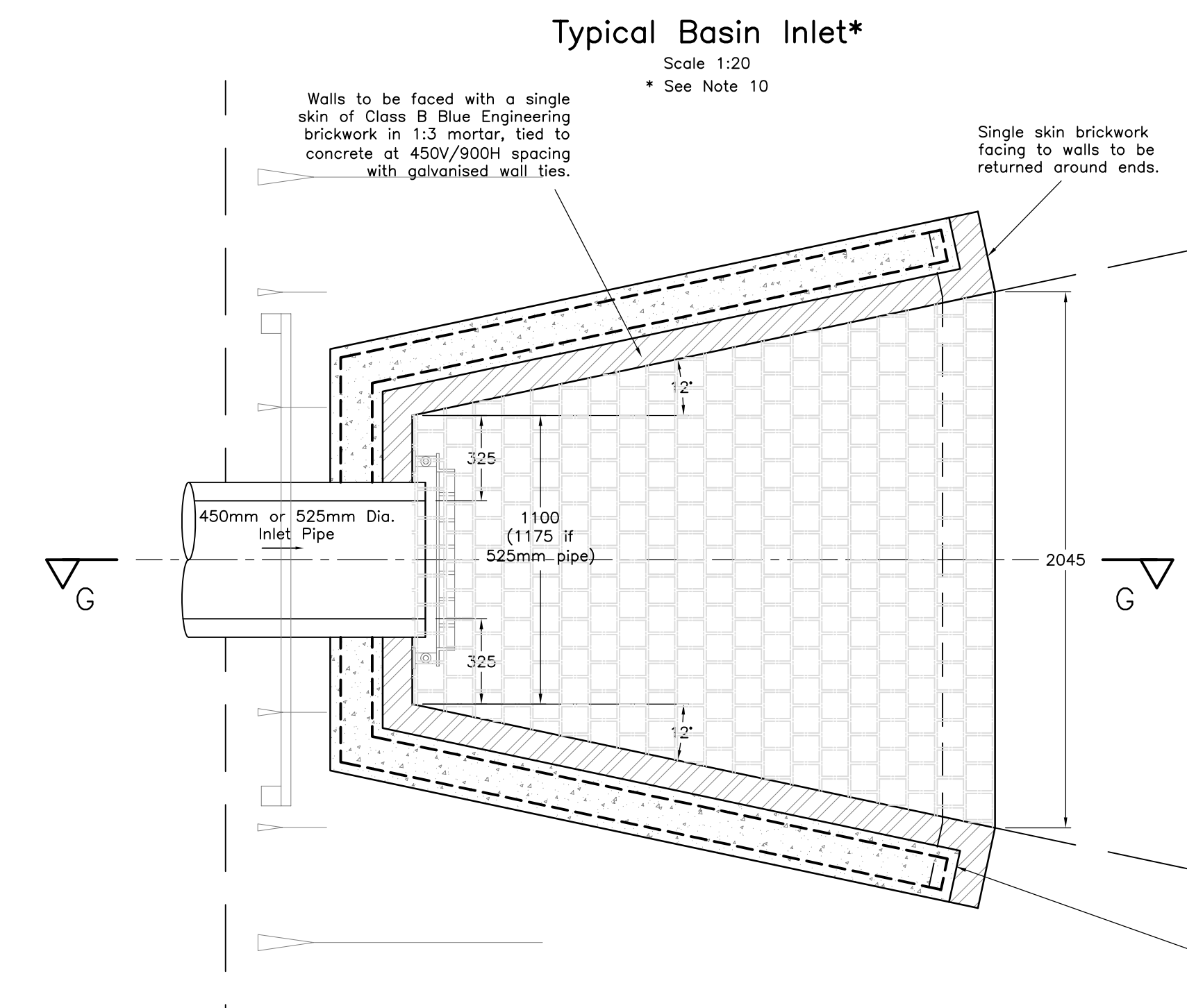
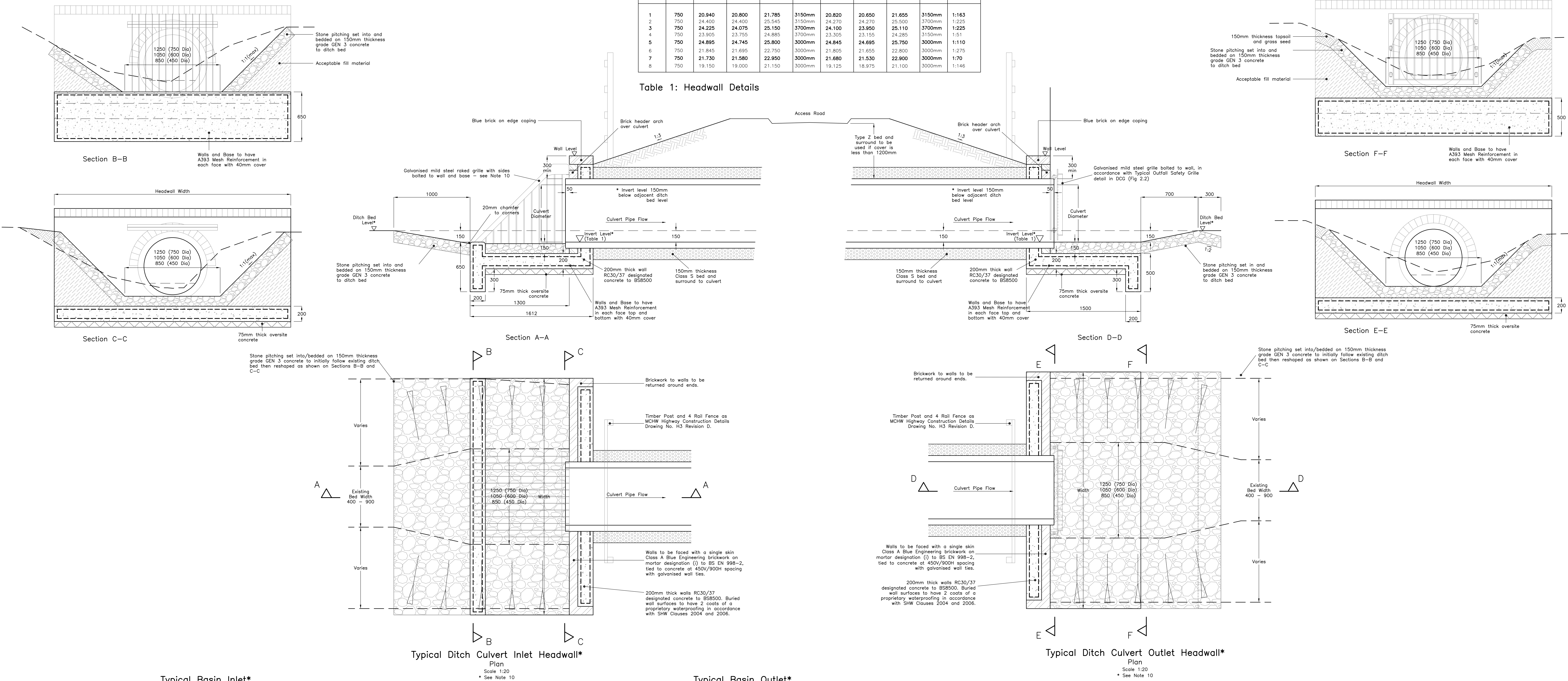
For Technical Approval
These drawings are produced for the purposes of obtaining the approval of an adopting or maintaining authority and reliance on this drawing for whatever purpose, is at the developer's/contractor's risk until formal technical approval has been received.

NOTES

1. All adoptable highway works to be constructed in accordance with Hampshire County Council's (HCC) current Highway Standard Details and the Specification for Highway Works (Consolidated Edition) November 2005 (SHW), published by The Stationery Office, as amended.
2. All drainage works shall be constructed in accordance with the DCC, published by WRC plc. All components to be kite marked. Any conflict between the proposals and DCC then the DCC shall overrule.
3. All in-situ concrete and precast concrete components to be designed to BRE Special Digest 1 Concrete in Aggressive Ground.
4. All buried concrete surfaces to have 2 coats of a proprietary bitumen waterproofing in accordance with SHW clauses 2004 and 2006.
5. Concrete to be RC30/37 designated concrete to BS 8500.
6. Min 300mm thickness class 6N granular material fill to be placed behind walls.
7. All mesh to have minimum lap length of 400mm.
8. Outfall structure details based on the Environment Agency's Fact Sheet F03 'Summary of Requirements for Outfalls', Culvert Inlet/Outlet details based on CIRA Report 168 'Culvert Design Guide'.
9. Grilles to be manufactured by:
Althon Limited
Vulcan Road South,
Norwich
Norfolk
NR6 9AF
Tel: 01603 488700
Fax: 01603 485098
E-mail: sales@althon.co.uk
or similar approved.
10. Alternative headwall details, including precast units, can be used, to the approval of local Water (Bain Inlets and Outlets) or Hampshire County Council (Culverts - Type 2 in accordance with HCC Drawing No. HCC11/D/090).

Culvert	Diameter	Inlet				Outlet				Culvert Gradient
		Bed Level	Inv. Level	Wall Level	Width	Bed Level	Inv. Level	Wall Level	Width	
1	750	20.940	20.800	21.785	3150mm	20.820	20.650	21.655	3150mm	1:163
2	750	24.400	24.400	25.545	3150mm	24.270	24.270	25.500	3150mm	1:225
3	750	24.225	24.075	25.150	3700mm	24.100	23.950	25.110	3700mm	1:225
4	750	23.905	23.755	24.885	3700mm	23.305	23.105	24.285	3150mm	1:51
5	750	24.895	24.745	25.800	3000mm	24.845	24.695	25.750	3000mm	1:110
6	750	21.845	21.695	22.750	3000mm	21.805	21.655	22.600	3000mm	1:275
7	750	21.730	21.580	22.950	3000mm	21.680	21.530	22.900	3000mm	1:70
8	750	19.150	19.000	21.150	3000mm	19.125	18.975	21.100	3000mm	1:146

Table 1: Headwall Details



Rev	Date	Description	Drawn	Check
A	02/03/22	First issue.	JW	DMS
B	22/03/22	Details for all culverts shown for Ordinary Watercourse Consent application.	DRB	C
C	09/09/22	Culvert 2 details updated.	DRB	C
D	03/11/22	Culvert schedule reviewed, fences above headwalls added and alternative details (shown to be accepted (subject to approval)).	DRB	C
E	18/05/23	Headwall levels to Culvert 7 updated to align with footpath design levels.	DRB	C

STATUS
FOR TECHNICAL APPROVAL

Client
millerhomes
Bellway

Project
Boorley Gardens
Winchester Road
Hedge End
S38-1

Drawing Title
S38-1
Headwall Details

Drawing No. **M434/94** Rev D
Date: February 2022 Scale: As Shown @ A0
E-Mail: dbrock@pfaplcl.com