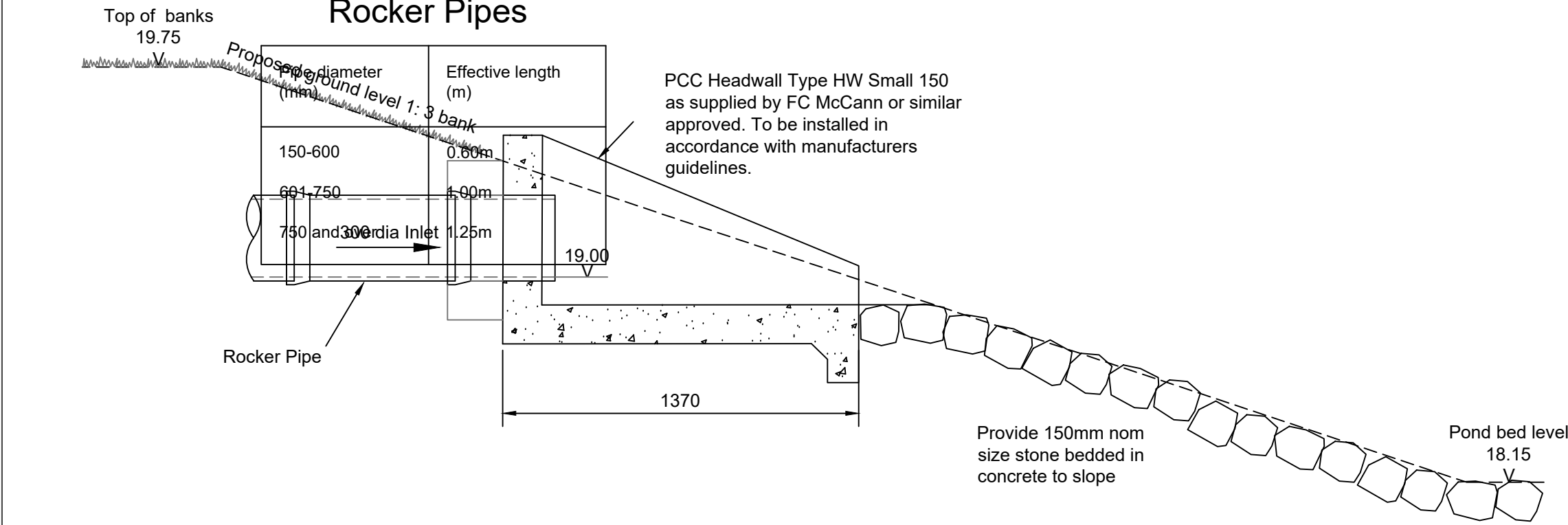
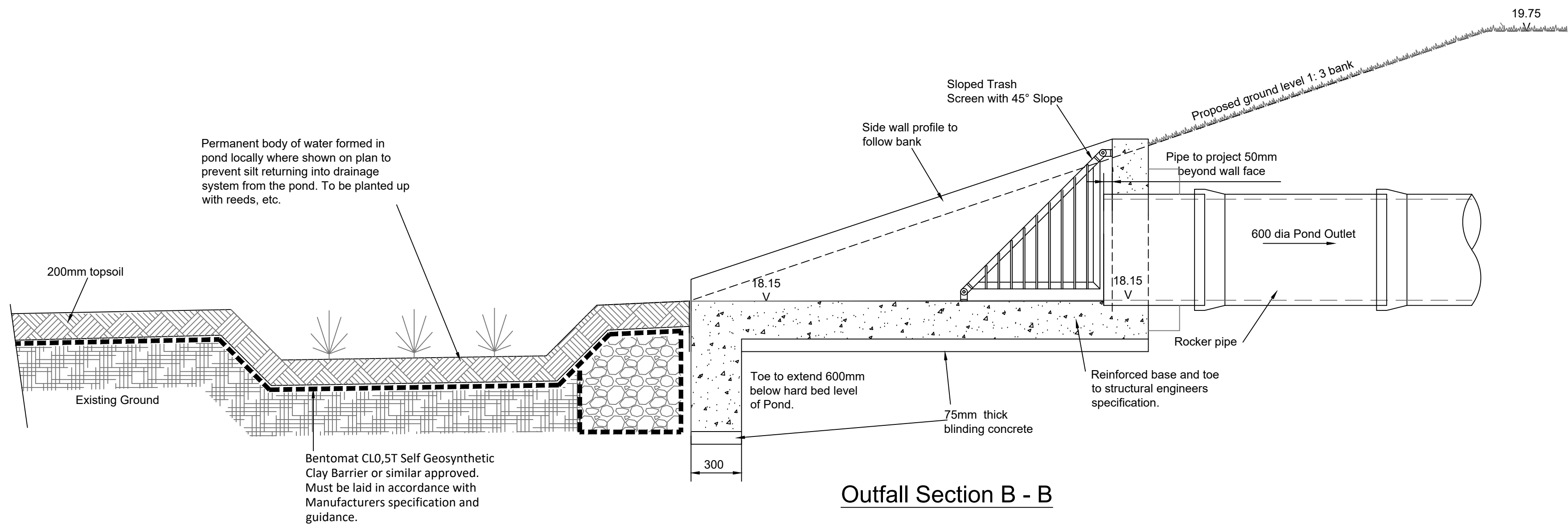
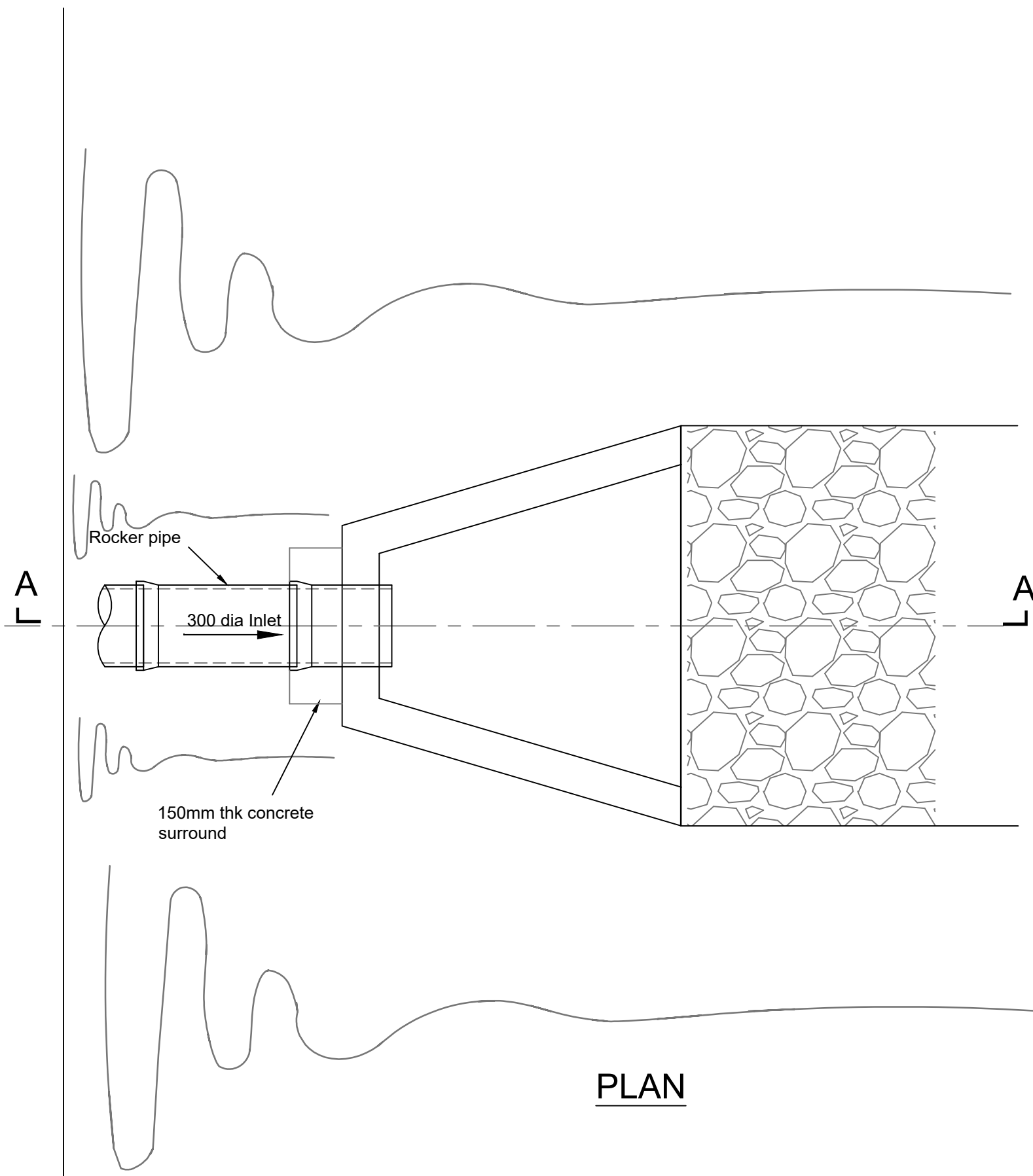




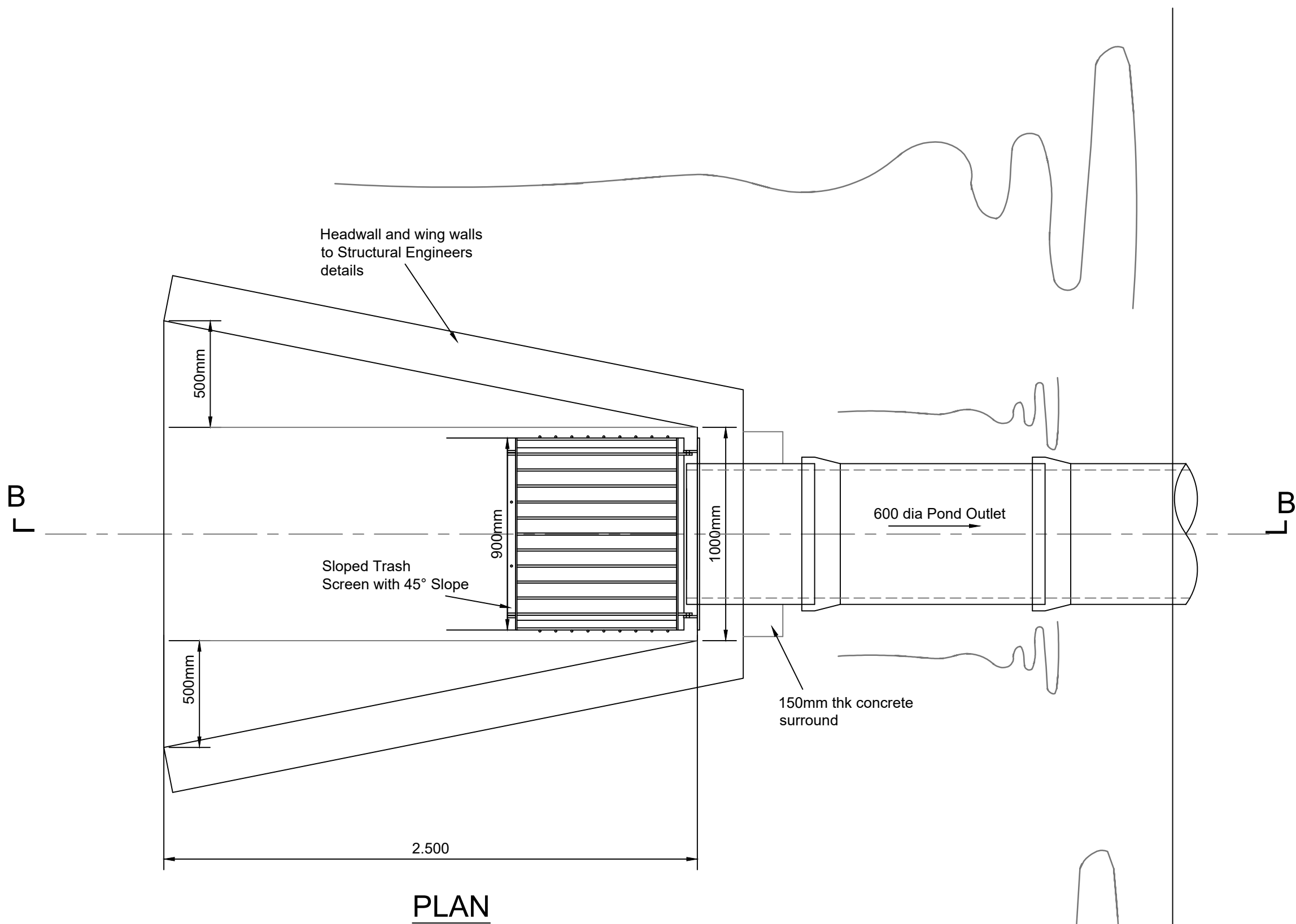
Headwall Section A - A



Outfall Section B - B



General Arrangement of Pond Inlet SHW 1



General Arrangement of Pond Outlet SHW 2

- GENERAL NOTES
1. This drawing is to be read in conjunction with relevant architectural and engineering drawings
 2. Any discrepancies between the details shown and actual on site conditions to be reported immediately to the engineer prior to commencement of works.
 3. For location of headwalls see Storm and foul drainage Infrastructure plans 20079 / 100S104

- ADOPTABLE HEADWALL NOTES
1. All dimensions in millimeters.
 2. Generally the angle between the direction of flow of the receiving watercourse and the outfall pipe should be 45 degrees.
 3. All reinforcement concrete edges to be finished with a 25 x 25 fillet.
 4. Minimum cover to reinforcement in the top face of the base slab to be 40mm.
 5. The bed and opposite bank of the watercourse may, in certain circumstances need to be protected by 225 to 300 thick un-coursed rubble pitching laid on a 100 thick bed of FND2 concrete (refer to note 8) and pointed class M1 mortar. The stone for pitching shall consist of large smooth faced stones roughly dressed square and shall be of a hard durable and inert material. Bunter sandstone, Keuper waterstones and Carboniferous shales and mudstones are not to be used.
 6. An Outlet Grille as specified on the below table must be provided on all outfalls where pipe diameters are 375mm and above.
 7. Secure handrailing shall be supplied where a person may fall 2 meters or more or where a fall of less than 2 meters carries an increased risk of injury due to the landing surface.
 8. FND2 to be used for soil conditions Sulphate class 1 only. Designated mix references FND3, FND4A & FND4B to be used in soil conditions with sulphate classes 3, 4 and 4B respectively.

This drawing is not intended to show details of ground conditions or ground constraints. Each area of ground related to a report or structure depicted (including drainage) must be investigated by the Contractor. Any areas of information for said structures which do not accord with the anticipated conditions as described in the site investigation report are to be immediately reflected to the Engineer, where applicable. Any suspect full ground or ground constraints on or within the ground should be further investigated by a suitable report. Any earthworks shown indicate ground slopes for guidance only and should be investigated further by a suitable geotechnical expert.

Where existing trees are shown to be retained they should be subject to a full Arboricultural Inspection for safety. All trees are to be planted as far as possible from buildings and 5 metres from drainage and services, where applicable. A function is to be provided to accommodate the proposed tree planting, where applicable. The Contractor is to check and verify in conjunction with the arborists details of setting out plants, timing and any amendments, breaks and street street to connector points and ensure that they are fully consistent with the contents and recommendations of the site investigation report before work starts. The Contractor is to comply in all respects with current planning regulations. British standards applicable to lighting regulations etc, whether or not specifically stated on this drawing.

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A	45 degree Trash Screen added to Inlet Headwall SHW2 at Water Authority request	21/04/21	LH
Rev	First Issue	19/10/20	LH
	Description	Date	By



Project

Dappers Lane, Angmering
West Sussex

Title

Pond Inlet and Outlet Headwall Details
SHW1 & SHW2

Drawing Status	PRELIMINARY
Subject to Client approval as part of ongoing consultations and design check, amendments may therefore be requested.	
Scale	1:20 @ A1
Drawn	WJI
Date	Oct 2020
Checked	LH
File	dwg/civils/current
Drawing	20079 / 330 A


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