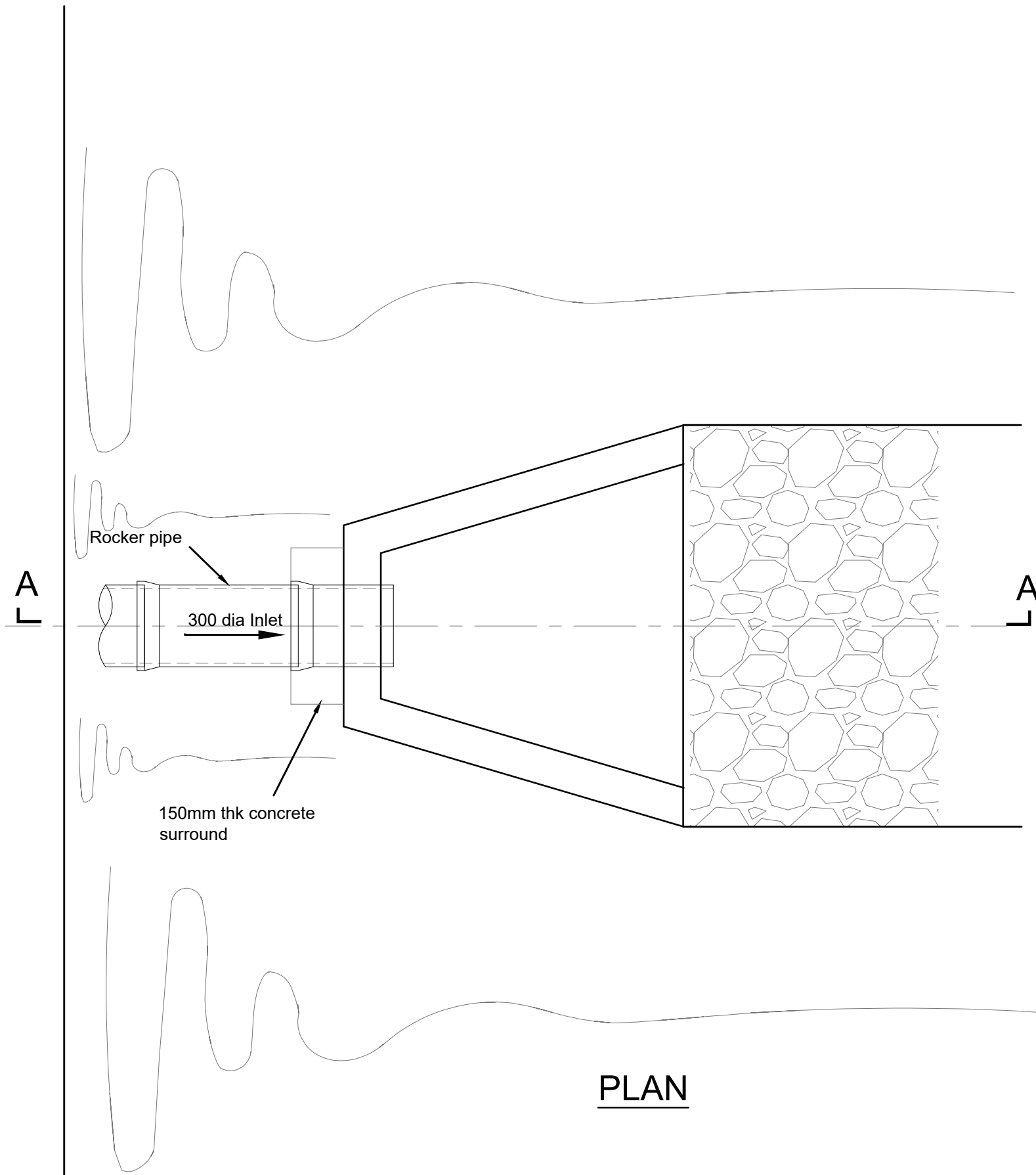


Headwall Section A - A

Outfall Section B - B

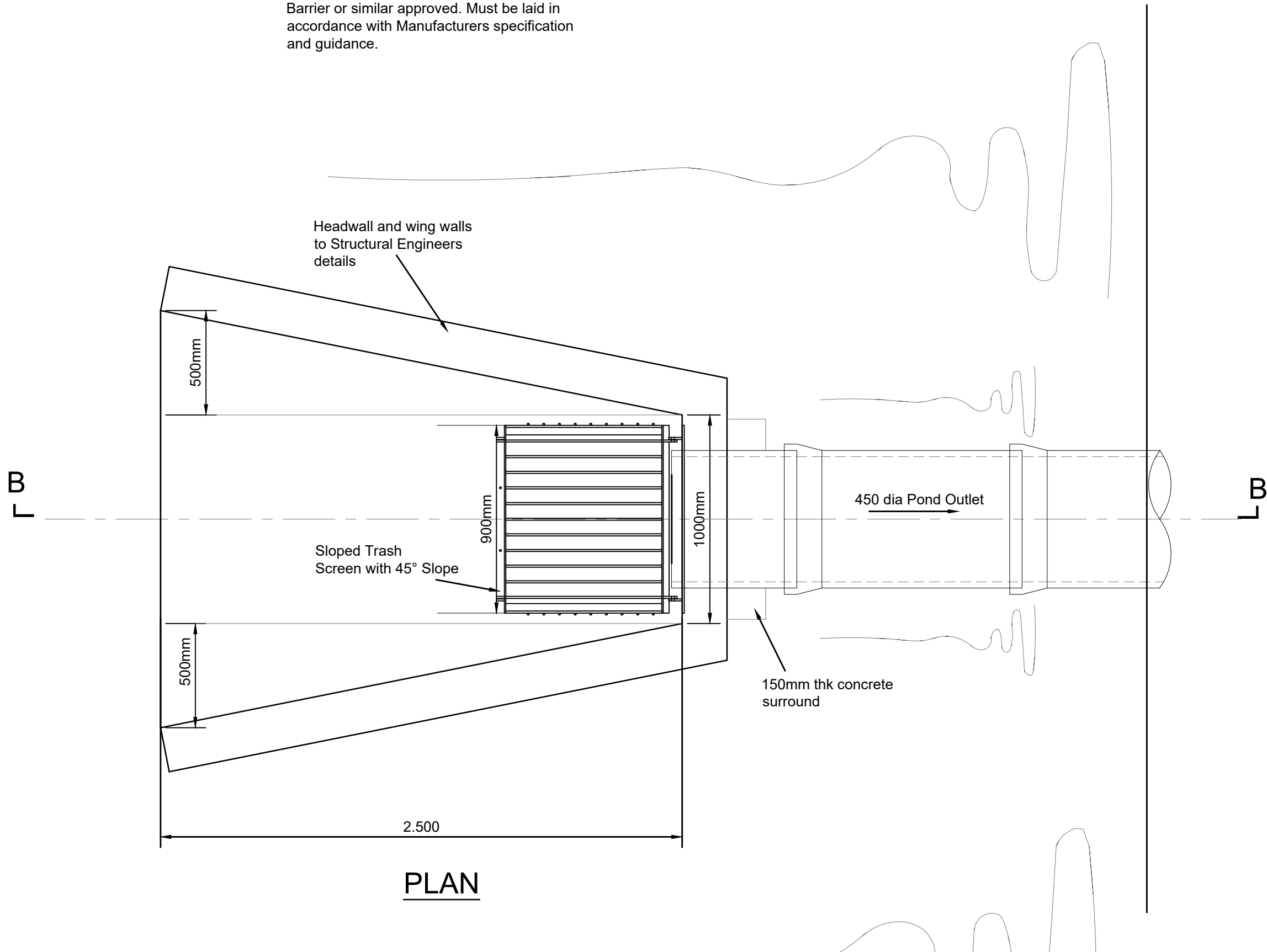
Rocker Pipes

Pipe diameter (mm)	Effective length (m)
150-600	0.60m
601-750	1.00m
750 and over	1.25m



PLAN

General Arrangement of Pond Inlet HW 01



PLAN

General Arrangement of Pond Outlet HW 02

- 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 / 1005104

- 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 contaminants. Each area of ground relied upon to support any 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 notified to the Engineer, where applicable. Any suspect full ground or ground contaminants 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 report.

Where existing here are shown to be retained they should be subject to a full Abutment Inspection for safety. All trees are to be planted as to be retained they are a minimum of 7.5 metres from buildings and 3 metres from drainage and services, where applicable. A boundary is to be provided to accommodate the proposed line planting, where applicable. The Contractor is to check and verify in conjunction with the architect details of setting out points, building and site dimensions, levels and ground levels at construction points and ensure that they are fully consistent with the contents and requirements of the site investigation report before work starts. The Contractor is to comply in all respects with current building regulations, British Standard Specifications, Building Regulations etc, whether or not specifically stated on this drawing.

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Rev	Description	Date	By
B	Details updated to reflect latest drainage strategy. Headwall references updated. HW01 pipe size reduced to 450mm dia. Top of bank / basin bed / headwall invert levels updated. Re-use of London Clay and basin liner design updated to reflect floatation calculations.	21/04/21	LH
A	45 degree Trash Screen added to Inlet Headwall SHW2 at Water Authority request	21/04/21	LH
-	First Issue	19/10/20	LH

Client

PERSIMMON
Together, we make a home

Project

Dappers Lane, Angmering
West Sussex

Title

Pond Inlet and Outlet Headwall Details
HW01 & HW02

Drawing Status

PRELIMINARY

Subject to issue approval as part of ongoing consultations and design check, amendments may therefore be requested.

Scale	1:20 @ A1	Drawn	WJL
Date	Oct 2020	Checked	LH
File	dwg/civils/current	Drawing	20079 / 330 B

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