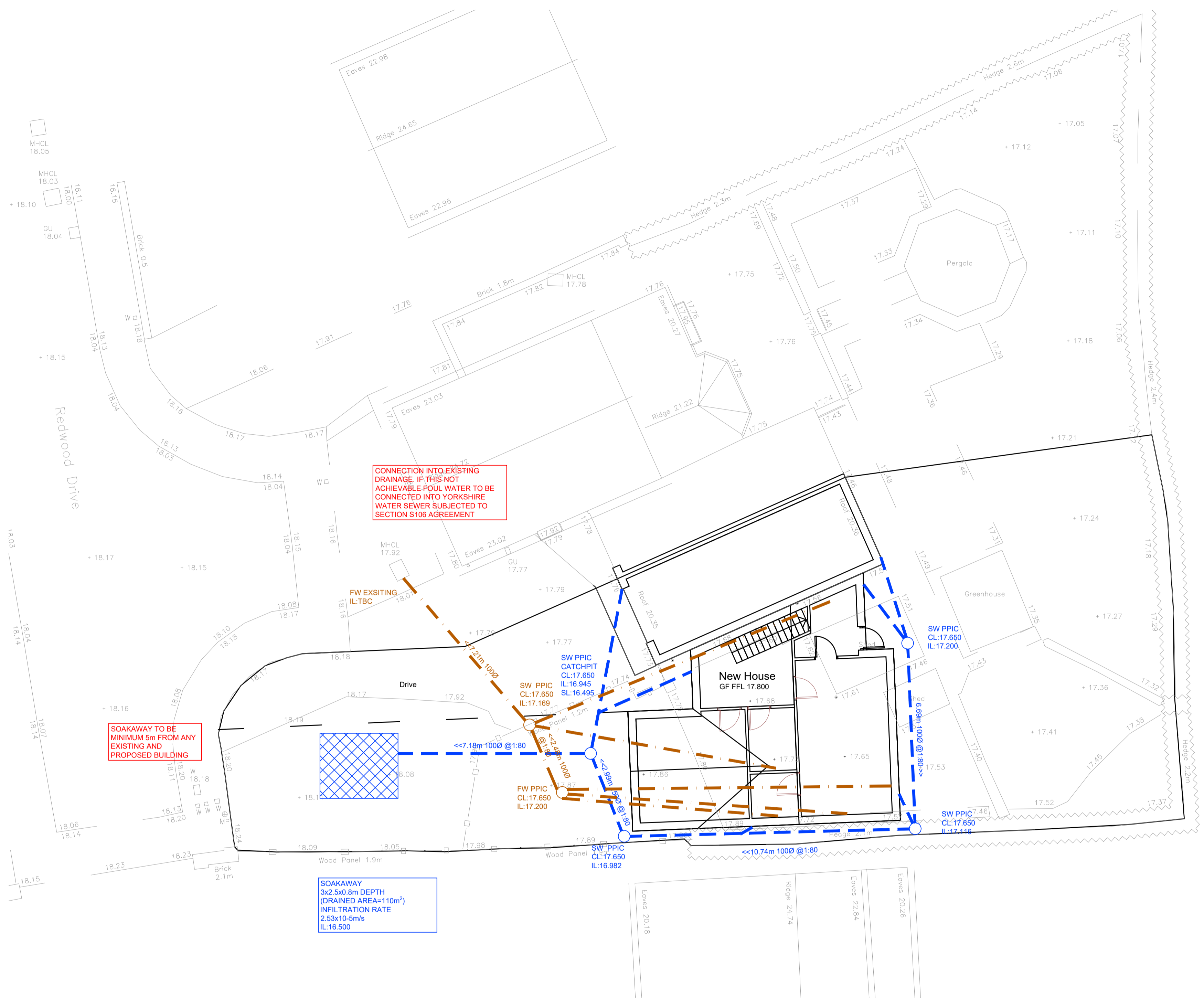


RWP AND SVP/FOUL CONNECTIONS ARE SUBJECT TO FINAL CONFIRMATION BY ARCHITECT

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DO NOT SCALE OFF THIS DRAWING

- Notes:**
1. This drawing is to be read in conjunction with all relevant architect's and engineer's drawings.
 2. It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.



Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea and is less than 1 hectare, therefore a site specific flood risk assessment should not be required.

The site is currently greenfield and has an area of 110m².

Under SuDs guidance the first point of discharge for surface water is percolation via soakaway. Site percolation testing was carried out 2nd September 2021, and is proven that soakaways via infiltration is viable. Please refer to Topping Engineers percolation report.

NPPF guidelines require that surface water arising from a developed site should as far as practicable be managed in a sustainable manner to mimic the surface water flows arising from the site prior to development.

Surface Water:

Below is a brief description of the soakaway. Should any further information be required by the reader, they should refer to the Microdrainage calculations.

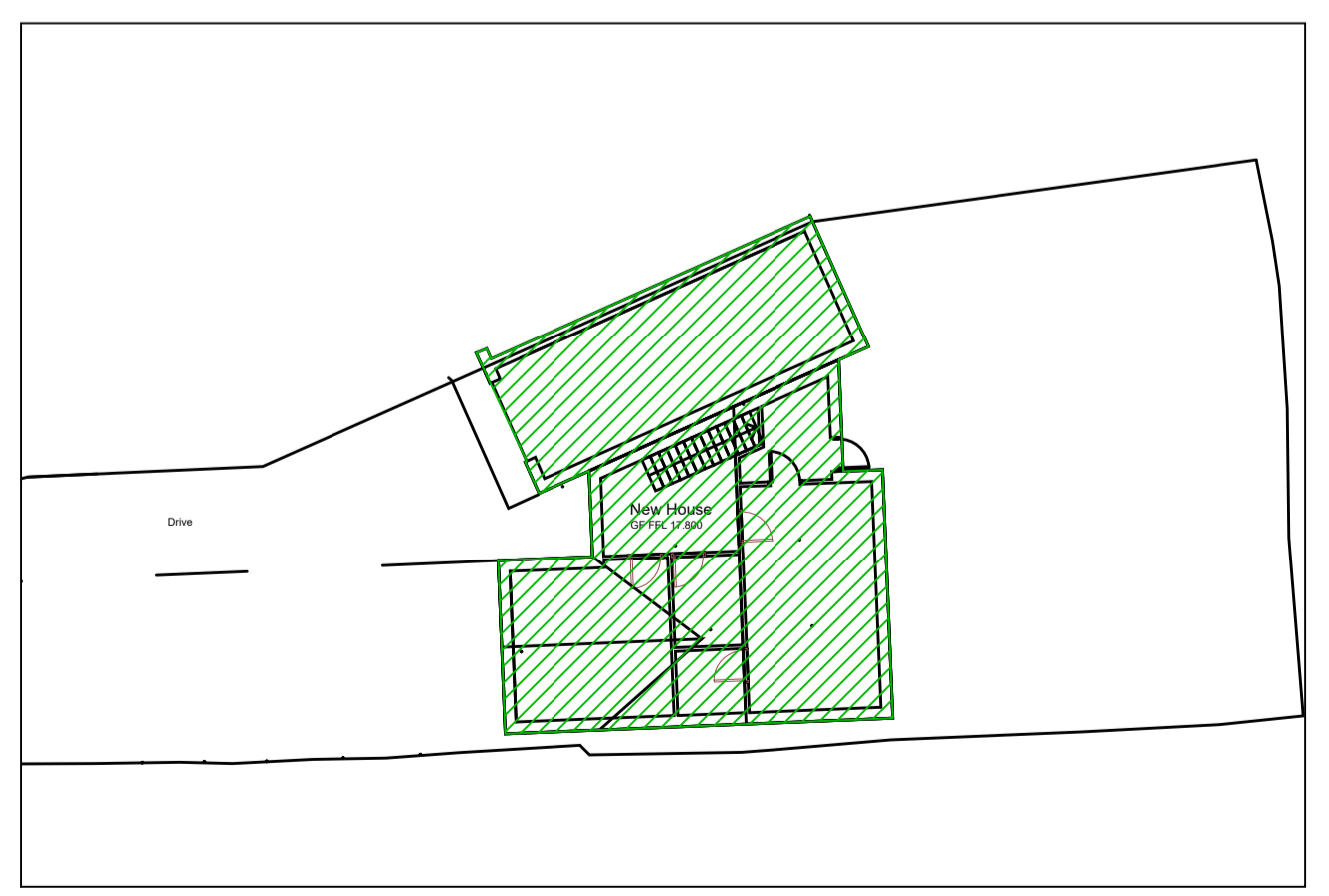
Soakaway - Dimensions - 3 x 2.5 x 0.8m, Draining 110m²

It is stated that the details for the soakaway proposal is based on an infiltration rate of 2.53x10⁻⁵m/s. This value, as set out in BRE Digest 365, is sufficient to investigate the option of using soakaways on the site. However, this is based on the assumption that a 5m easement on each of the soakaways is achievable. Furthermore, the structure of the soakaway build-up is one with the use of storage cells of the following dimensions 3 x 2.5 x 0.8m. When using these storage cells we must account for a 95% voids ratio, and consequently this has been incorporated into the calculations as necessary.

Foul Water:

Foul water from the proposed new site will connect into the existing private foul sewer. If this is not achievable fouls water to connect into existing public sewer running through Redwood Drive (northeast to proposed dwelling) subject to a section 106 agreement with Yorkshire Water.

Proposed Drainage Strategy (1:100)



Proposed Impermeable Area (1:200) = 110m²

No.	Revision	Date	Drwn
P1	FIRST ISSUE	07/09/21	JS
Status			
Client			
John Knowles			
Project			
Redwood Drive, Haxby			
Drawing title			
Drainage Strategy			
Drawn	Chkd	Date	Scale
JS	TM	07/09/2021	As Shown @A1
Contract No.	Drng No.	Revision	
21351	DR-C-0100	P1	