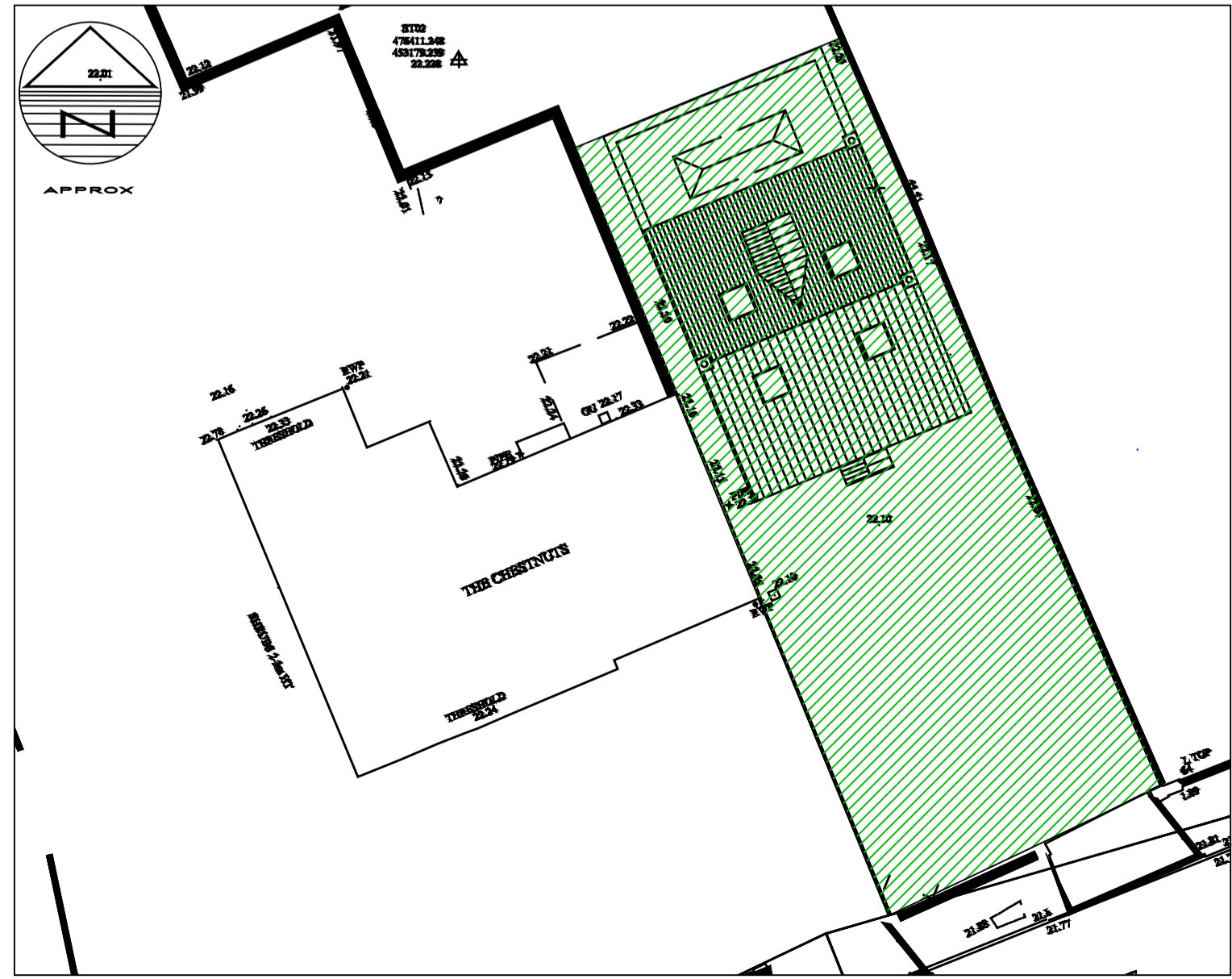


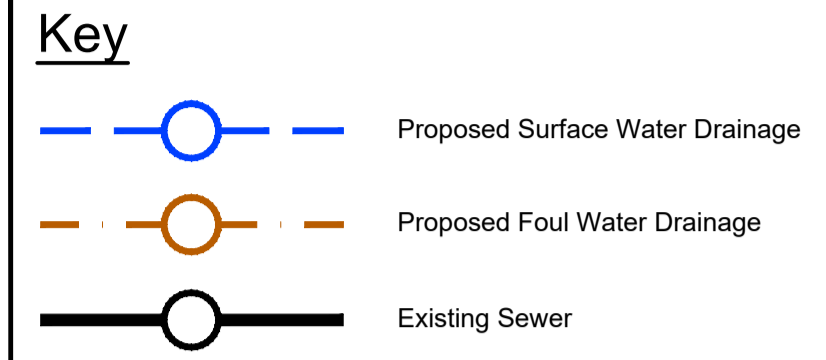
Drainage Strategy - Scale (1:200)



Proposed Impermeable Area Plan 260m² - Scale (1:200)

This drawing is copyright of Topping Engineers LTD and must not be copied or reproduced in anyway without written consent.
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.

Under SuDs guidance the first point of discharge for surface water is percolation via soakaway. Percolation testing has been undertaken on site. The results show that infiltration is not viable.

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:

Discharge Rate - 3.5l/s- Agreed at planning with Yorkshire Water.

The proposed impermeable area is 260m². Based on a flow restriction of 3.5l/s and modelling using Micro Drainage software the attenuation requirement for a peak return period of 1 in 100year plus 30% climate change is **2.97m³**.

Attenuation to be provided via **Permavoid PV150 CELLULAR STORAGE TANK with dimensions 6.0m x 3.0m x 0.15m Deep**. The flows will be attenuated using a 97mm diameter Hydrobrake with product code MD-SHE-0097-3500-0400-3500

Foul Water:

The foul water from the proposed site will discharge via the existing combined sewer on site.

No.	Revision	Date	Drwn

Status: Preliminary



Aire House 12 Victoria Avenue
Harrogate HG1 1ED
t: 01423 522 295
Unit 223 Ducie House
Ducie Street Manchester M1 2JW
t: 0161 806 1701
w: www.topping-engineers.com

Client: MR & MRS CANT

Project: THE CHESTNUTS
STATION ROAD, FANGFOSS

Drawing title: Drainage Strategy

Drawn	Chkd	RT	Date	Scale
SF	RT		FEB 2022	As Shown
Contract No.	Drig No.	Revision		
22049	DR-C-0100	P1		