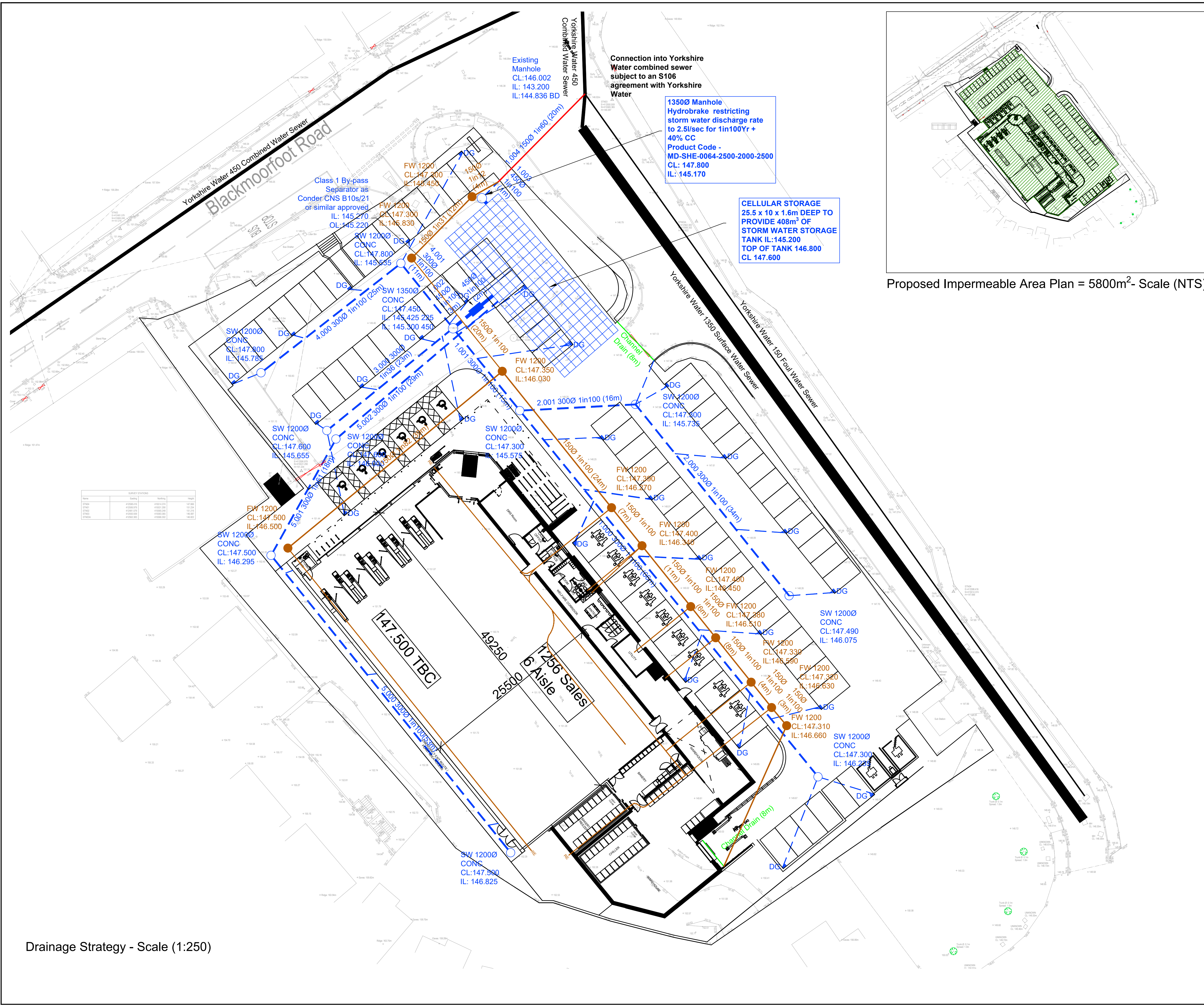




Proposed Impermeable Area Plan = 5800m²- Scale (NTS)

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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.

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer
- Proposed Combined Water Drainage
- Proposed Channel Drain

Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea and is less the hectare, therefore a site specific flood risk assessment is required, please refer to Topping Engineer 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:

We are proposing to discharge surface water at 2.5l/s to avoid blockages downstream.

The proposed impermeable area is 5800m², due to the majority of site being developed, urban creep has not been included. Based on a flow restriction of 2.5l/s and modelling using Micro Drainage software the attenuation requirement for a peak return period of 1 in 100 year plus 30% climate change is 408m³.

Attenuation for the proposed impermeable area of 408m³ to be provided via GEO-CELLULAR TANK 25.5x10x1.6m DEEP = 408m³. The flows will be restricted using a hydrobrake - Product code - MD-SHE-0064-2500-2000-2500.

Surface water from the proposed site will connect into the existing Yorkshire Water foul combined sewer running down Blackmoorfoot Road, Huddersfield, subject to S106 agreement from Yorkshire Water.

Foul Water:

Foul water from the proposed site will connect into the existing Yorkshire Water foul combined sewer running down Blackmoorfoot Road, Huddersfield, subject to S106 agreement from Yorkshire Water.

P1	FIRST REVISION		19/08/22		JS
No.	Revision			Date	Drwn
Status			Preliminary		
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Client		Lidl 			
Project		Blackmoorfoot Road Huddersfield			
Drawing title		Drainage Strategy			
Drawn	JS	Chkd	RT	Date	AUG 2022
Contract No.			Drg No.	Scale	As Shown @ A1
21561			DR-C-0100	Revision	P1