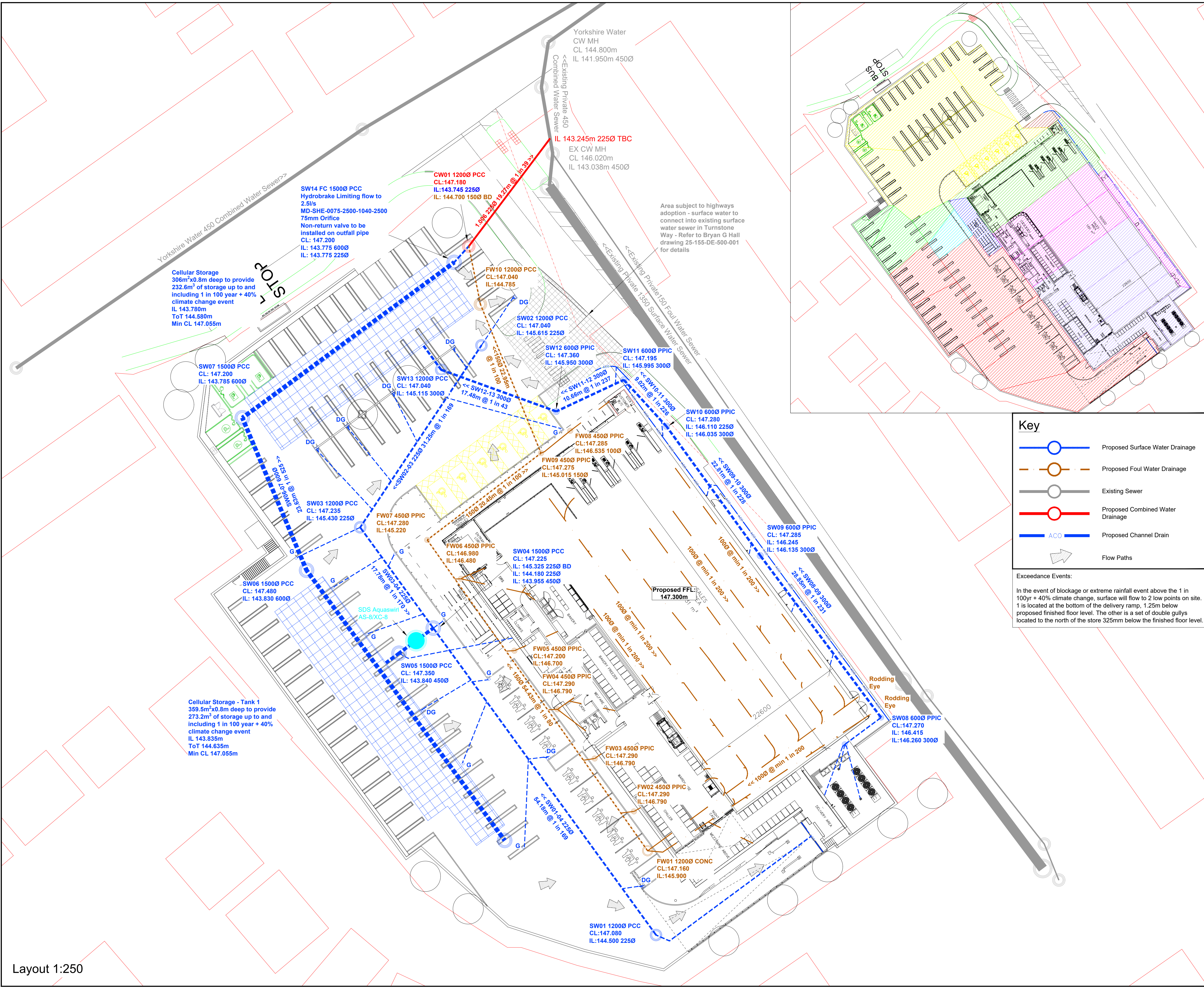




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Notes:

1. This drawing is to be read in conjunction with all relevant Architects and Engineers Drawings.

2. It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

IMPERMEABLE AREA PLAN - 1:500

	SW01 = 1,657m²
	SW02 = 1,589m²
	SW03 = 288m²
	SW04 = 84m²
	SW05 = 89m²
	SW08 = 1,112m²
	SW09 = 749m²
	SW10 = 553m²
	SW11 = 28m²
Total = 6,119m²	

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.

The existing site is the former St Luke's Hospital which discharged into the Yorkshire Water sewer.

Surface Water:

The proposed impermeable area is 6,119m². Based on a flow restriction of 2.5/s and modelling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100 year plus 40% climate change is 506m³.

Attenuation for the proposed impermeable area of 6,119m² to be provided via two cellular storage tanks measuring 665.5m³x0.8m DEEP = 505.8m³. The flows will be restricted using a hydrobrake - Product code - SHE-0075-2500-1040-2500.

Surface water from the proposed site will connect into an existing private combined sewer running down Turnstone Way, Huddersfield, subject to agreement with the owner. The private sewer is in the process of being adopted by Yorkshire Water.

Foul Water:

Foul water from the proposed site will connect into an existing private combined sewer running down Turnstone Way, Huddersfield, subject to agreement with the owner. The private sewer is in the process of being adopted by Yorkshire Water.

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer
- Proposed Combined Water Drainage
- ACO
- Flow Paths

Exceedance Events:

In the event of blockage or extreme rainfall event above the 1 in 100yr + 40% climate change, surface will flow to 2 low points on site. 1 is located at the bottom of the delivery ramp, 1.25m below proposed finished floor level. The other is a set of double gullies located to the north of the store 325mm below the finished floor level.

P11	Updated to suit latest layout and levels	27/02/26	CG
P10	Updated to suit latest layout and levels	06/02/26	CG
P9	Connection to existing sewer updated	30/09/25	OG
Refer to Revision P8 for previous Revision Details			
No.	Revision	Date	Drwn
Approval			
Client LiDL			
Project Proposed LiDL Foodstore Crosland Moor			
Drawing title Drainage Strategy			
Drawn JS	Chkd RT	Date August 2022	Scale As Shown
Sheet Size A1	Drawing No. 21561-DR-C-0100	Revision P11	