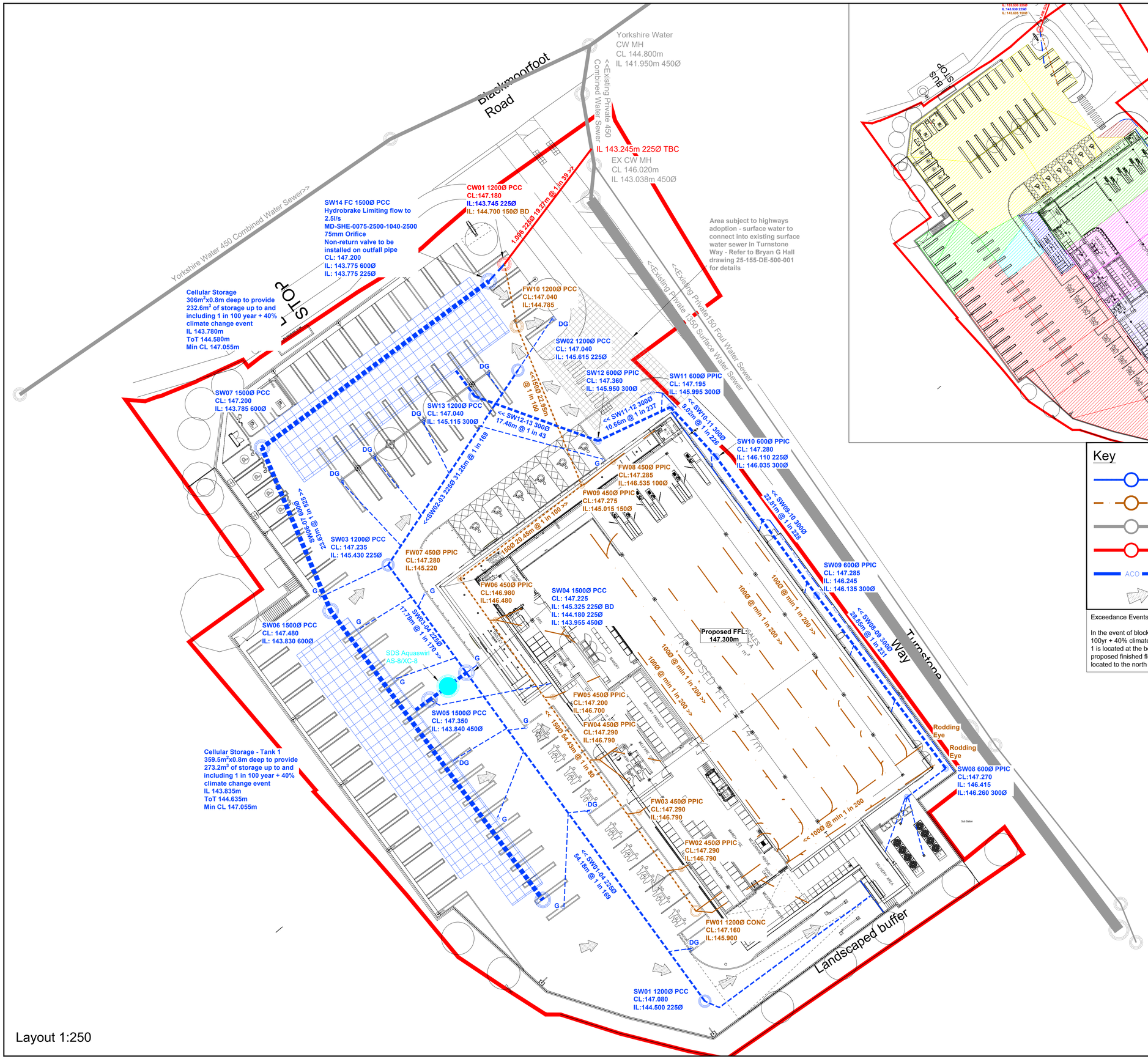


Layout 1:250

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer
- Proposed Combined Water Drainage
- ACO — Proposed Channel Drain
- 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 gullys located to the north of the store 325mm below the finished floor level.

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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 2.5l/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 665.5m²x0.8m 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.

No.	Revision	Date	Drwn
P12	Revised masterplan shown	16/06/26	LA
	Refer to Revision P11 for previous Revision Details		

Status: Approval

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Client: LiDL

Project: Proposed LiDL Foodstore Crosland Moor

Drawing title: Drainage Strategy

Drawn	Chkd	Date	Scale
JS	RT	August 2022	As Shown
Sheet Size	**Drawing No.**		**Revision**
A1	21561-DR-C-0100		P12