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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

	1.000 = 2088m ²
	1.001 = 1303m ²
	1.002 = 170m ²
	1.003 = 219m ²
	2.000 = 1085m ²
	2.001 = 1096m ²
	2.002 = 134m ²
	2.003 = 80m ²
Total = 6175m²	

Drainage Strategy

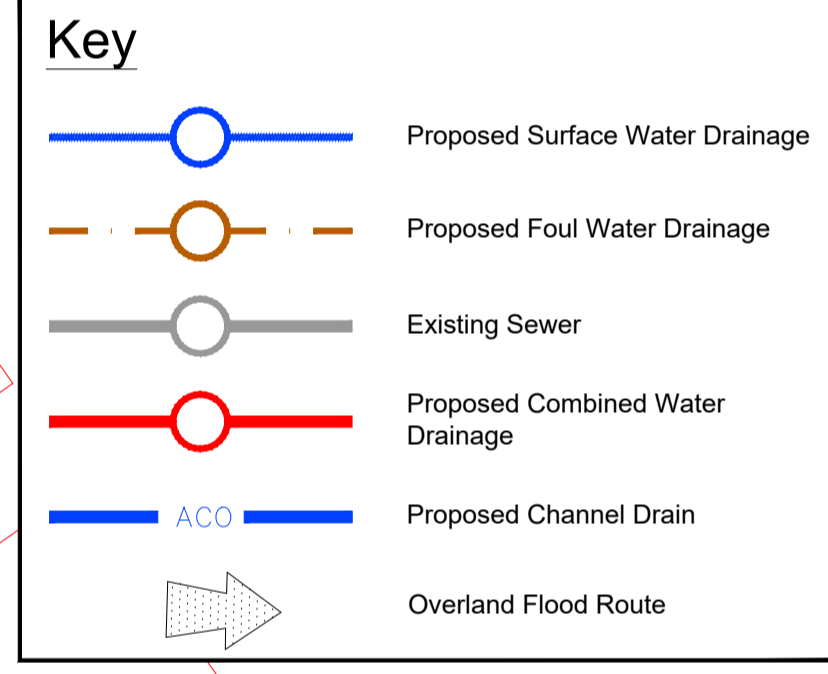
The site is located within flood zone 1 with a low risk of flooding from rivers or the sea and is less the hectare, therefore a site specific flood risk assessment is required, please refer to Topping Engineer report. NPPF guidelines require that surface water arising from a developed site should as 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 Yorksire Water sewer.

Surface Water:

The proposed impermeable area is 6092m². 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 504.00m³. Attenuation for the proposed impermeable area of 6092m² to be provided via GEO-CELLULAR TANK 663.5m² x 0.8m DEEP = 504.3m³. The flows will be restricted using a hydrobrake - Product code - MD-SHE-0078-2500-0810-2500. 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 Yorksire 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 Yorksire Water.



No.	Revision	Date	Drwn
P7	UPDATED FOR DOC APPLICATION	14/08/25	CG
P6	UPDATED TO SUIT LATEST LAYOUT	30/05/25	CG
P5	UPDATED TO SUIT YW AND LLFA COMMENTS	20/02/24	OG
P4	UPDATED TO SUIT NEW SITE LAYOUT	12/10/23	JS
P3	UPDATED TO SUIT NEW SITE LAYOUT	14/09/23	JS
P2	REFERENCE UPDATED	05/04/23	JS
P1	FIRST REVISION	19/08/22	JS

Status: Preliminary

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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			P7

Layout 1:250