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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.
  3. Greenfield runoff rates have been calculated based on the proposed car park area of 2410m<sup>2</sup>, with a calculated QBAR rate of 1.3/s.
- The proposed drainage strategy restricts runoff from the positively drained impermeable car park catchment prior to discharge.
4. Existing car park surface levels and channel drain levels have not been provided and are to be confirmed by as-built/topographical survey. Drainage levels shown are based on available topographical information and hydraulic design assumptions only. Final levels, falls, cover depths and connections are to be verified on site prior to construction/approval.

- Key:**
- Proposed Car Park Boundary
  - Proposed Surface Water Drainage
  - Surface Water Drainage
  - - - Channel Drain
  - Cellular Attenuation Tank
  - Bypass Separator
  - ⊙ Surface Water Flow Control Chamber
  - ⊙ Channel Drain Sump

**AT1**  
Geocellular Attenuation tank  
to accommodate for the 1 in 100 year storm event  
+40% allowance for climate change  
34m x 5m x 1.2m 95% Void Ratio  
193.8m<sup>3</sup>  
CL 146.500m  
IL 144.700m  
ToT 145.900m

Existing drainage shown is indicative only and has been interpreted from information from the CCTV survey undertaken by Yates Jetting LTD on 23/03/2026.

Exact line and level of existing drainage is to be confirmed by further site investigation.

**MH4**  
CL TBC  
IL -1.2 Below Cover  
225Ø

**TANK**  
CL TBC  
IL TBC

**S2** Δ  
147.954

**BPS1**  
Bypass Separator  
2500m<sup>2</sup>  
CL 147.000m  
IL 145.825m (in) 225Ø  
IL 145.725 (out) 225Ø

**SW02** 1350Ø PCC  
Hydr brake  
CTL-SHE-0051-1300-1200-1300  
CL 147.250m  
IL 144.696m 300Ø  
IL 144.696m 150Ø

**SW01** 600Ø PPIC  
CL 146.900m  
IL 145.875m 225Ø

Proposed surface water to outfall into existing ditch

**!**

Existing services are to be confirmed on site prior to excavation. Contractor to undertake suitable utility searches, scanning and trial holes as required.

P02	Added flow control product number	19/06/26	JA
P01	Preliminary Issue	05/06/26	JA
No.	Revision	Date	Drwn

Status: Preliminary

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Client: Bradley Stankler

Project: KDA Wholesale  
Fall Bank Industrial Estate

Drawing title: Drainage Layout

Drawn	JA	Chkd	CG	Date	June 2026	Scale	1:100
Sheet Size	A1	Drawing No.	25542-DR-C-0100	Revision			P02

