

Date: 02 December 2025

Your Ref:

Our Ref: AK/SMB/16785-02

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Drainage Engineer
Planning and Building Control
Arun District Council
Arun Civic Centre
Maltravers Road
Littlehampton
West Sussex
BN17 5LF

Dear Sir/Madam

NEW COURTWICK LANE, WICK, LITTLE HAMPTON
L/U/72/25/OUT – Land to the West of New Courtwick Lane, Wick, BN17 7RZ

By way of an update to previous correspondence regarding additional soakage testing and groundwater monitoring at the New Courtwick Lane development, we would like to keep you informed of the current progress on site.

Groundwater monitoring has been underway since 20th October 2025 in the 2No. boreholes used earlier in the year. Interim results have been received from Land Science for both the data logger results and the manual readings carried out at the site. These show that, as of 17th November 2025, the groundwater is indicated at around 2.8m below ground level.

Bearing in mind that readings from March 2025 indicated the highest level at 2.63m below ground level, we are anticipating the groundwater to rise over the next few months. Groundwater monitoring is ongoing and currently planned to span the period up to the end of February 2026.

Relating this groundwater level to the proposed SuDS strategy gives us confidence that the groundwater level at the site will be suitably low enough for the installation of the infiltration blanket SuDS proposed to manage surface water runoff for Phase 1 of the development. The infiltration blanket base is set at 0.85m below ground level and the requirement is for a minimum of 1.0m clear zone between the base of the infiltration feature and the highest groundwater level. The groundwater would need to rise a further 0.95m above the current level and 0.78 above the March 2025 level to have an adverse impact on the design.

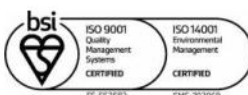
Infiltration testing is booked in to be undertaken by Land Science in the week of 8th December. This is proposed in 7No. trial pits, as indicated on the attached SuDS testing proposal plan. The trial pits are to be spaced at approximately 20m centres in the area of the proposed infiltration blanket, external to the current building footprint. The details of the pits and testing parameters are included on the attached plan. Testing is to be in strict accordance with the BRE365 methodology at a depth coincident with the proposed infiltration blanket base level. Furthermore, a minimum head of 850mm is stipulated to simulate the operational conditions of the proposed SuDS scheme.

We hope to have preliminary results of the soakage testing to circulate in a further update, along with another round of groundwater monitoring results, prior to the Christmas break for your additional reference. In the meantime, if you have any queries or comments relating to the site investigation works at the New Courtwick Lane site, please do not hesitate to contact me.

Yours sincerely

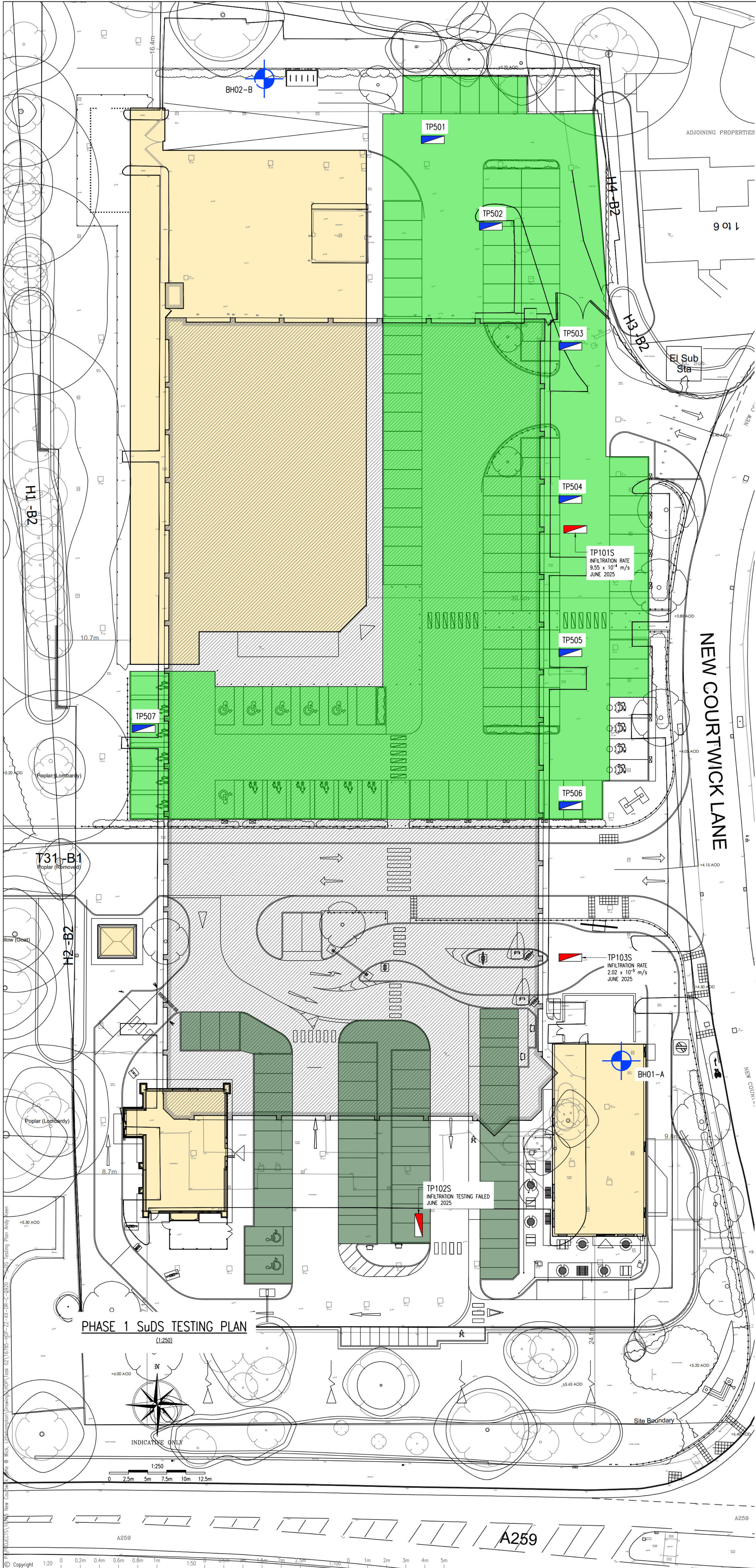


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1. GENERAL
- (i) This drawing is not to be scaled, work to figured dimensions only, confirmed on site.
- (ii) This drawing is to be read in conjunction with all relevant architectural drawings, detailed specifications where applicable and all associated drawings in this series.
- (iii) Any discrepancy on this drawing is to be reported immediately to the partnership for clarification.
- (iv) The contractor is responsible for all temporary works and for the stability of the works in progress.

LEGEND	
	EXTENT OF PROPOSED PERMEABLE SUB-BASE DRAINAGE BLANKET INFILTRATION LAYER
	EXTENT OF PROPOSED PERMEABLE SUB-BASE DRAINAGE BLANKET ATTENUATION LAYER
	EXISTING WAREHOUSE BUILDING EXTENTS
	PROPOSED BUILDINGS
	EXISTING BOREHOLE LOCATION FOR GROUNDWATER MONITORING
	PROPOSED TRIAL PIT LOCATION FOR INFILTRATION TESTING
	PREVIOUS TRIAL PIT LOCATION FOR INFILTRATION TESTING UNDERTAKEN JUNE 2025

GROUNDWATER MONITORING

TO COMMENCE 20.10.2025 AND CONTINUE THROUGH TO END OF JANUARY 2026.
RECORDED VIA DATA LOGGERS IN BOREHOLES BH01-A AND BH02-B

RESULTS TO BE PROVIDED IN METRES ABOVE ORDNANCE DATUM (mAOD)

INFILTRATION TESTING

TO BE UNDERTAKEN IN DECEMBER 2025 IN STRICT ACCORDANCE WITH BUILDING RESEARCH ESTABLISHMENT DIGEST 365 (BRE 365) METHODOLOGY

TRIAL PIT SPACING AT APPROXIMATELY 20m CENTRES IN CURRENT EXTERNAL AREAS

TRIAL PITS TO BE OF PLAN DIMENSIONS 600mm WIDTH x 1.5m LENGTH

TRIAL PIT DEPTHS TO BE 1.15m BELOW EXISTING GROUND LEVEL

HEAD OF WATER IN ALL TRIAL PITS TO BE MINIMUM 850mm

SOIL STRATA IN TRIAL PITS TO BE LOGGED

FORMATION LEVEL OF EXISTING PAVEMENT CONSTRUCTION:

- TRIAL PITS TP501 AND TP502 AT 580mm BELOW EXISTING GROUND LEVEL
- TRIAL PITS TP503 – TP507 AT 460mm BELOW EXISTING GROUND LEVEL

ISSUED FOR COMMENT.	AK	AK	17.10.25	P1
Description	By	Appld.	Date	Rev.
PRELIMINARY DRAWING NOT FOR CONSTRUCTION				
Title SuDS TESTING PLAN PHASE 1				
Project NEW COURTICK LANE, WICK LITTLEHAMPTON				
Client ROKEBY DEVELOPMENTS LTD				
Drawing No. 16785-HOP-ZZ-XX-DR-C-0920				
Status S2				
Rev. P1				