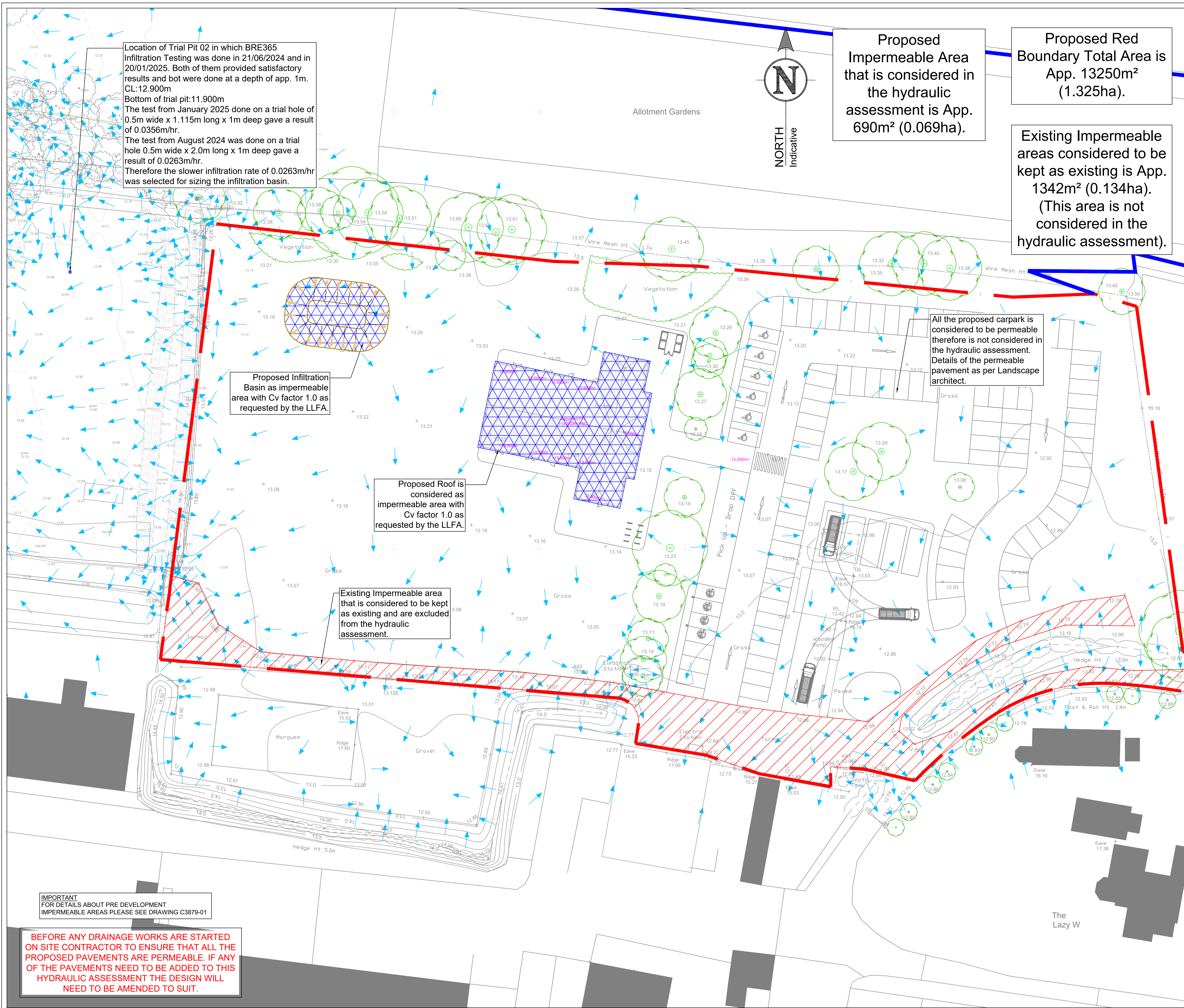
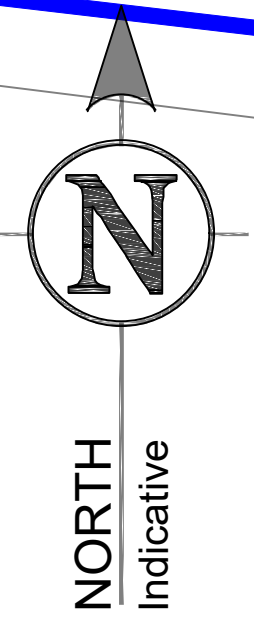




Location of Trial Pit 02 in which BRE365 Infiltration Testing was done in 21/06/2024 and in 20/01/2025. Both of them provided satisfactory results and bot were done at a depth of app. 1m. CL:12.900m
Bottom of trial pit:11.900m
The test from January 2025 done on a trial hole of 0.5m wide x 1.115m long x 1m deep gave a result of 0.0356m/hr.
The test from August 2024 was done on a trial hole 0.5m wide x 2.0m long x 1m deep gave a result of 0.0263m/hr.
Therefore the slower infiltration rate of 0.0263m/hr was selected for sizing the infiltration basin.



Proposed Impermeable Area that is considered in the hydraulic assessment is App. 690m² (0.069ha).

Proposed Red Boundary Total Area is App. 13250m² (1.325ha).

Existing Impermeable areas considered to be kept as existing is App. 1342m² (0.134ha). (This area is not considered in the hydraulic assessment).

Proposed Infiltration Basin as impermeable area with Cv factor 1.0 as requested by the LLFA.

Proposed Roof is considered as impermeable area with Cv factor 1.0 as requested by the LLFA.

Existing Impermeable area that is considered to be kept as existing and are excluded from the hydraulic assessment.

All the proposed carpark is considered to be permeable therefore is not considered in the hydraulic assessment. Details of the permeable pavement as per Landscape architect.

DRAWING TO BE PRINTED IN COLOUR.

- KEY:
- Existing Impermeable Area that is considered to be kept as existing therefore excluded from the hydraulic assessment.
 - Proposed Impermeable Area that is considered in the hydraulic assessment.
 - Proposed Site Boundary.
 - Site Ownership Boundary.
 - Existing levels as per topo survey.
 - Existing exceedance flow route for surface water in case of extreme storm events. Routes are based on the topographical survey.
 - Indicative Proposed Levels. TBC.

- NOTES:
- DRAWING WILL NEED TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS FROM ARCHITECT, LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER AND M&E.
 - EXISTING LEVELS SHOWN ARE AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY AXIS SURVEYS ON NOVEMBER 2023. FOR CONTROL POINTS AND STATION PLEASE REFER TO THEIR DRAWING.
 - PROPOSED INDICATIVE LEVELS ARE ASSUMED AND WILL NEED TO BE CONFIRMED IN SUBSEQUENT DESIGN STAGES.
 - THE EXISTING OVERLAND FLOW ROUTES ARE CONSIDERED TO BE SIMILAR TO PROPOSED OVERLAND FLOW ROUTES. TBC ONCE A DETAILED EXTERNAL LEVELS DESIGN IS PROVIDED.

FOR CONSTRUCTION

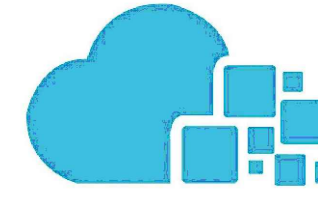
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REV	DATE	DRAWN	DESCRIPTION	CHECK	APPR.
B	25-09-26	M.H	Issued for Construction.	SL	SL
A	23-09-26	M.H	For Information.	SL	SL

PROJECT:
C3879 - Tokar Industrial Estate, Yapton Lane, Walberton, Arundel, BN18 0AS

TITLE:
Post-Development Impermeable Areas.

CLIENT:
Tokar Limited



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CHECKED BY: S.L	DATE: 23-09-26	APPROVED BY: S.L	DATE: 23-09-26
DRN BY: M.H	SCALE: 1:300	DRAWING NUMBER: C3879-02	REV: B
DATE: 23-09-26	SIZE: A1		

IMPORTANT
FOR DETAILS ABOUT PRE DEVELOPMENT IMPERMEABLE AREAS PLEASE SEE DRAWING C3879-01

BEFORE ANY DRAINAGE WORKS ARE STARTED ON SITE CONTRACTOR TO ENSURE THAT ALL THE PROPOSED PAVEMENTS ARE PERMEABLE. IF ANY OF THE PAVEMENTS NEED TO BE ADDED TO THIS HYDRAULIC ASSESSMENT THE DESIGN WILL NEED TO BE AMENDED TO SUIT.