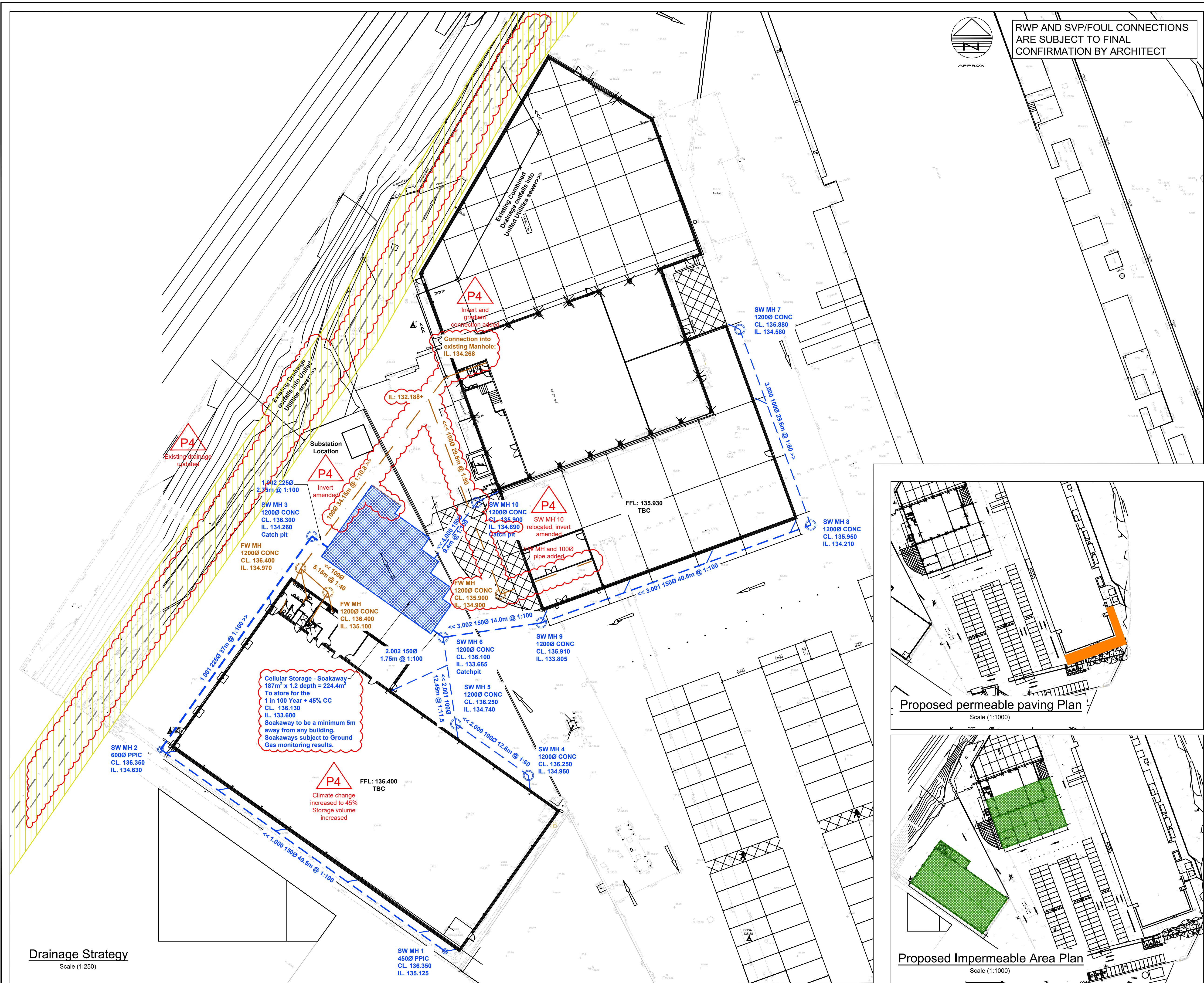


RWP AND SVP/FOUL CONNECTIONS
ARE SUBJECT TO FINAL
CONFIRMATION BY ARCHITECT

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Notes:

1. This drawing is to be read in conjunction with all relevant architect's and engineer's drawings.
2. It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Surface Water Sewer
- Existing Foul Water Sewer
- Existing Sewer Easement

Drainage Strategy

Surface Water

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 national planning policy guidance sets out the hierarchy of drainage to promote the use of sustainable drainage systems. The aim of the hierarchy is to drain surface water run-off as high up the drainage hierarchy as reasonably practical.

1. Into the ground (Infiltration).
2. A surface water body.
3. To a surface water sewer.
4. To a combined sewer.

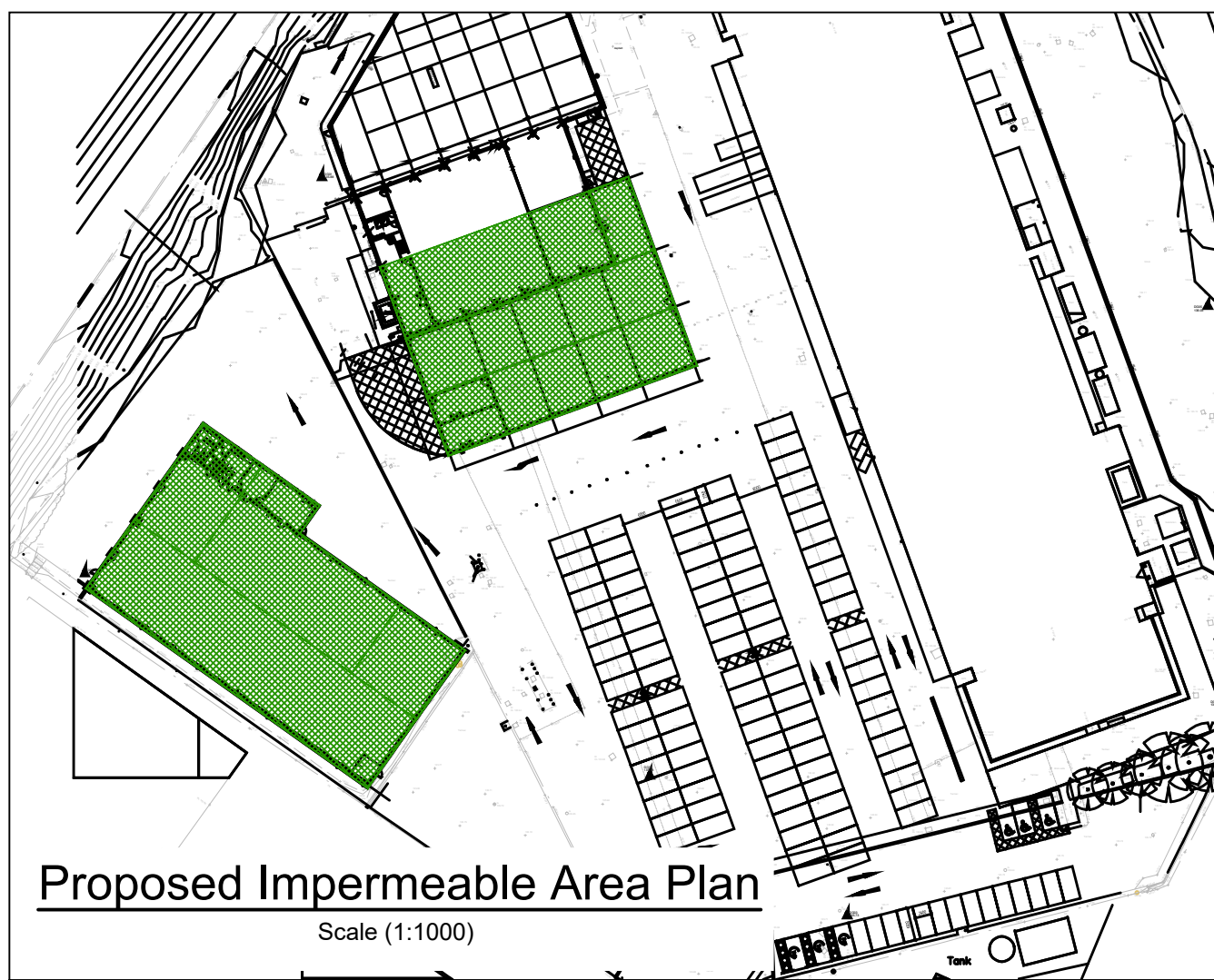
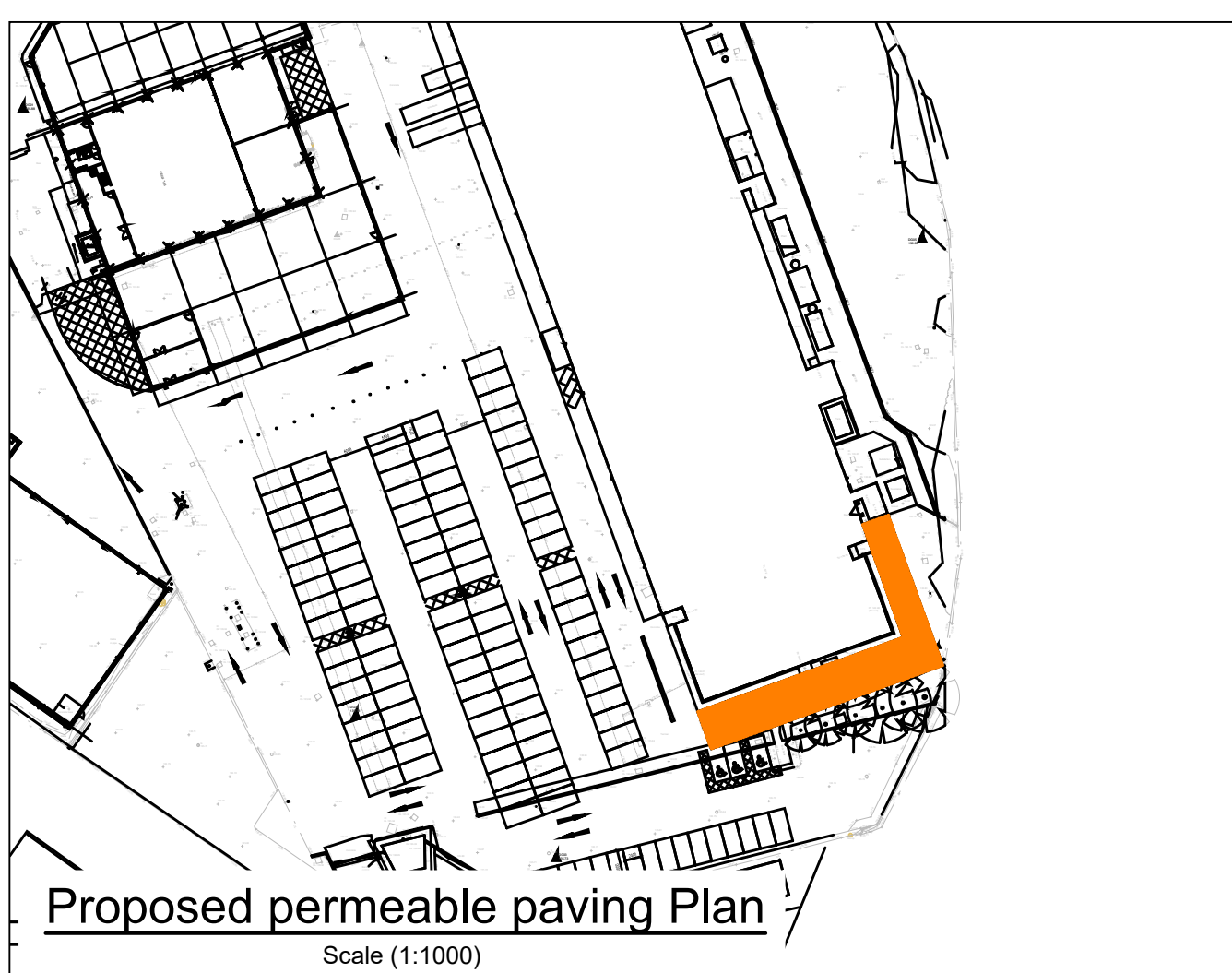
Consideration has been given to the use of infiltration as a drainage solution. Percolation tests were carried out by Geo-Environmental Consulting in September 2025. Refer to Geo-Environmental Consulting Report BEK-25124-1, the testing concluded that infiltration was viable and provided an infiltration rate of 4.36×10^{-5} m/s.

The existing site consist of industrial units with hard standing areas together with an access road. The site currently drains to a United Utilities Sewer. However the proposed extension and new building are to discharge to a soakaway.

The proposed impermeable area is 2465m², urban creep has not been included due to the majority of the site being developed. Based on an infiltration rate of 4.36×10^{-5} m/s and modelling using Causeway flow software the soakaway requirement for a peak return period of 1 in 100 year plus 40% climate change is 216m³ to be provided via AquaCell Eco Modular Unit 180m² x 1.2m deep.

Foul Water:

Foul water from the proposed developments will connect into the private combined sewer onsite and eventually outfalling into the existing United Utilities sewer, subject to a S106 agreement with United Utilities.



Drainage Strategy
Scale (1:250)

Proposed permeable paving Plan
Scale (1:1000)

Proposed Impermeable Area Plan
Scale (1:1000)

P4	Updated to planning comments	26.01.25	LA
P3	Foul drainage revised to suit substation location, Soakaway lowered & permeable paving incorporated	20.10.25	OG
P2	Soakaway notes updated	14.10.25	OG
P1	First Issue	13.10.25	OG
No.	Revision	Date	Drwn

Status Preliminary



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Project Hanson Springs, Rochdale

Drawing title Drainage Strategy

Drawn	OG	Chkd	PB	Date	October 2025	Scale	As Shown @A1
Contract No.	25077	Drig No.	DR-C-0100	Revision			P4