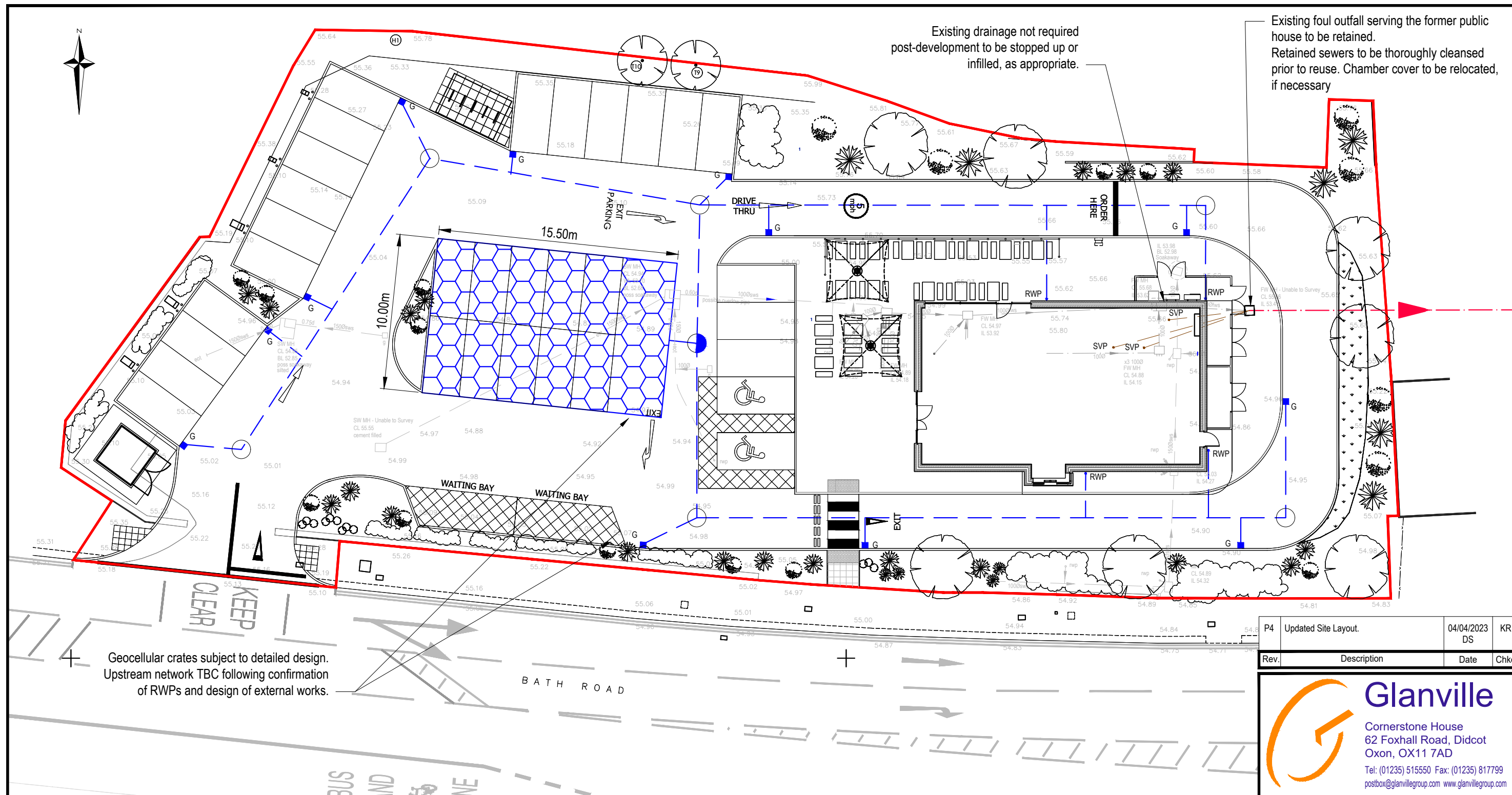
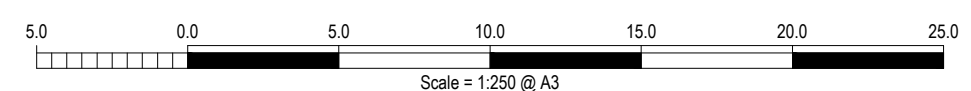




- NOTES**
1. This drawing to be read in conjunction with all other drawings and specifications.
 2. Dimensions not to be scaled for construction purposes.
 3. Site layout from John Dixon & Associates drawing 2136-08 - Proposed Site Plan, date April 2022.
 4. Topographical Survey and Existing Drainage information taken from Midland Survey Ltd (dwg no. 41024A/1), dated February 2022.
 5. An infiltration rate of 2.45×10^{-5} m/s is used based on results from soakage testing on site.
 6. This drawing is indicative and not intended for construction.
 7. SuDS sizing based on MicroDrainage calculations.
 8. All drainage to be installed in accordance with Building Regulations part H and BS8582.
 9. RWP and SVP locations to be confirmed at detailed design stage to verify surface water drainage design.
 10. All levels, including FFL, subject to detailed external works design.
 11. Class 1 retainment interceptor system TBC at detailed design stage.

- KEY**
- Site Boundary
 - Proposed Surface Water Sewer
 - Proposed Foul Water Sewer
 - Existing Foul Water Sewer (To be Retained)
 - Existing Surface Water Sewer (To be Abandoned)
 - Existing Foul Water Sewer (To be Abandoned)
 - Class 1 Full Retention Separator
 - Proposed Gully

Geo-cellular Crate Soakaway
Area: $155.0m^2$ (i.e. $10m \times 15.5m$)
Depth: 0.80m - 2No. Aquacell Plus units
IL: 53.42m AOD
Min CL: 54.82m AOD
Inf. rate through base / side: 0.088m/h (i.e. 2.45×10^{-5} m/s)
Max. Water level: 54.215m AOD (1%AEP+40%CC)
Max. Water depth: 0.773m (1%AEP+40%CC)
Max. Water volume: $113.1m^3$ (1%AEP+40%CC)
Soakaway crate to be wrapped in permeable geotextile membrane to prevent infiltration of fines.



P4	Updated Site Layout.	04/04/2023 DS	KR
Rev.	Description	Date	Chkd



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Client :
Greene King and Retailing Limited

Project :
George & Dragon, 162 Bath Road, Reading, RG30 2HA

Title :
Drainage Strategy

Project Engineer :	S McNair	Scale :	1: 250 @ A3
Project Director :	K Rayner	Date :	April 2023
Status :	PLANNING		

Drawing No.	8220244-SK04	Rev	P4
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