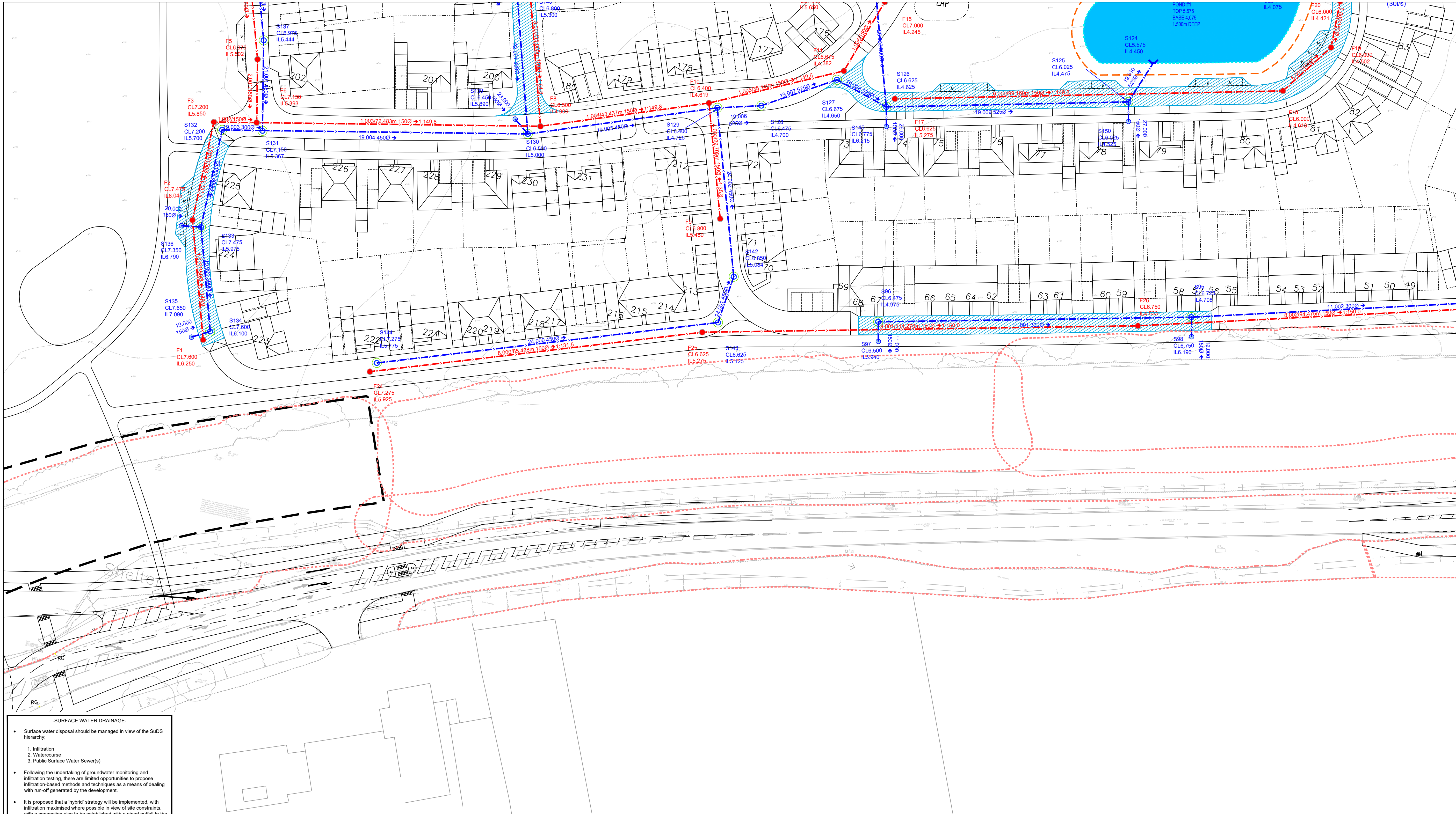
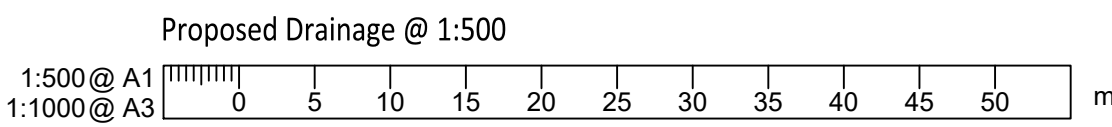
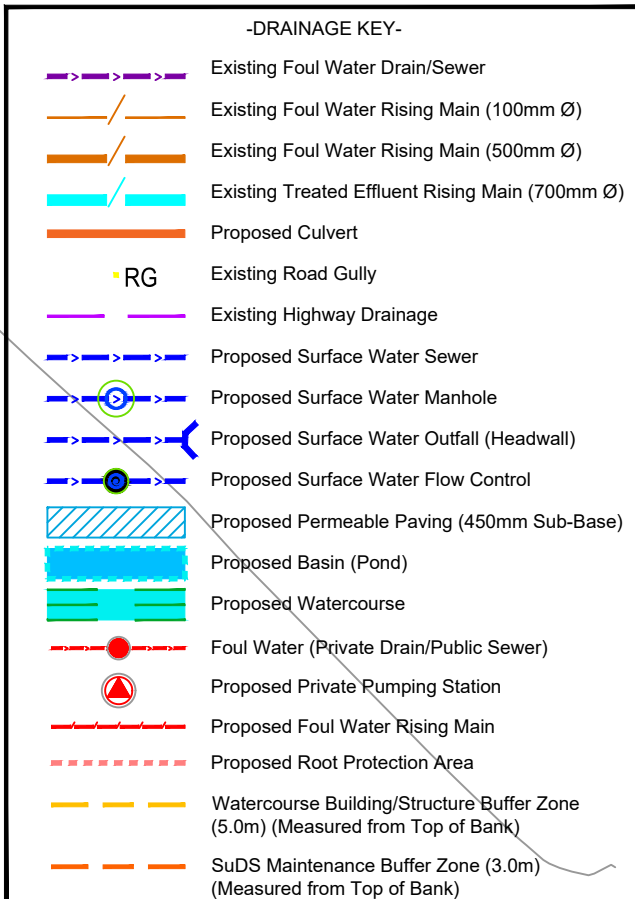




- SURFACE WATER DRAINAGE-**
- Surface water disposal should be managed in view of the SuDS hierarchy;
 - Infiltration
 - Watercourse
 - Public Surface Water Sewer(s)
 - Following the undertaking of groundwater monitoring and infiltration testing, there are limited opportunities to propose infiltration-based methods and techniques as a means of dealing with run-off generated by the development.
 - It is proposed that a 'hybrid' strategy will be implemented, with infiltration maximised where possible in view of site constraints, with a connection also to be established with a piped outfall to the manhole located to the east of the site and Church Road which discharges to the watercourse adjacent to 'Field Place' (existing property).
 - 8 No. ponds are proposed across the site, providing attenuation (as annotated on plan).
 - Permeable paving will be introduced, with a total plan area of 7,310m², providing a further 1,052m³ of attenuated storage (based on a sub-base depth of 450mm and 32% voids).
 - In view of the proposed impermeable area, a rate of greenfield run-off has been attributed to this area, in order to determine an appropriate rate of discharge from the development. Based on this impermeable area of 6.76Ha, QBar has been determined to be 19.54l/s.
 - Further to the above, run-off from the development will be discharged at a rate of 19.54l/s.
 - It is proposed that all captured run-off from the proposed areas of impermeable surfacing will be captured up to the in 100 year storm event, including an allowance of 40% for Climate Change (without exceedance).
 - An allowance has been made for Urban Creep at a rate of 10% (potential increase in the proposed impermeable area).

- FOUL WATER STRATEGY-**
- Foul water disposal should adhere to the following hierarchy;
 - Public Sewer
 - Private Treatment Plant
 - Septic Tank and Drainage Field
 - Cesspool
 - The proposed development will establish a new connection to the public foul water sewer located in Horsmere Green Lane. The nearest point of connection is Manhole 0302.
 - It is proposed that flows from the site will be pumped, with a Type 3 adoptable pumping station required.
 - In relation to the proposed Type 3 adoptable pumping station, the wet well must be positioned at least 15.00m from habitable buildings.
 - Post development, there will be an estimated peak foul water flow generation of 13.88l/s (based on Water UK Sewer Sector Guidance, Design and Construction Guidance).



NOTES

- This drawing is to be read in conjunction with all other Bright Plan Civils drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
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- All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the general contractor.
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-	Original Issue	05/08/2021



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Drawing Status: **PLANNING**

Client: **Vivid and Climping Homes**

Project: **Land adjacent to Church Lane, Climping, West Sussex**

Drawing Title: **Proposed Drainage Sheet 3 of 4**

Scale: **1:500** Date: **Aug '21** Drawn By: **SPB** Checked By: **MJA**

Drawing No.: **D1886-003** Rev.: **A**