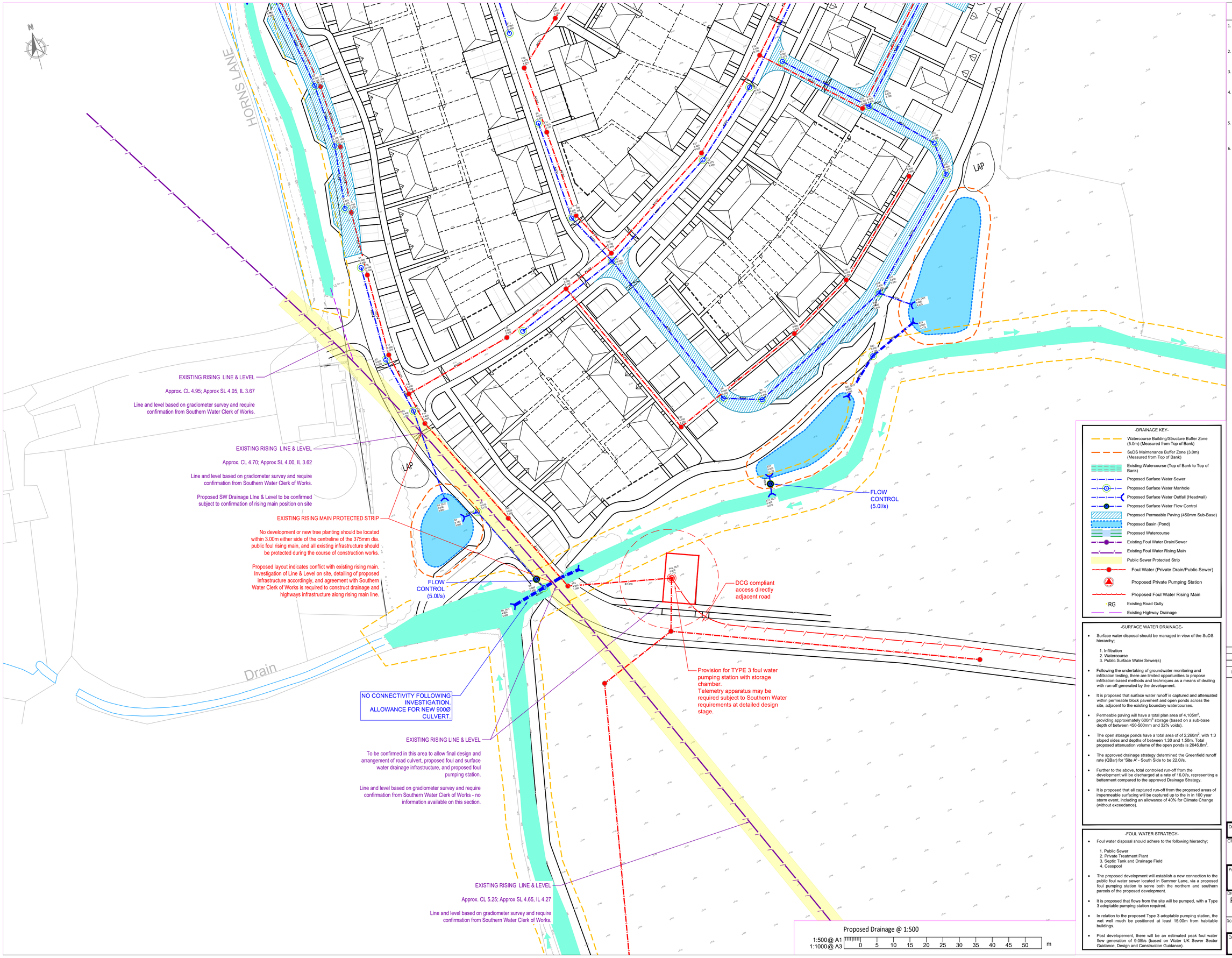

NOTES

A1

1. 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.
2. Bright Plan Civils accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Scale for planning purposes only, work to figured dimensions. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.
5. 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.
6. The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. Bright Plan Civils logos and company information must be removed from copies if information is re-used.

-DRAINAGE KEY-

- Watercourse Building/Structure Buffer Zone (5.0m) (Measured from Top of Bank)
- SuDS Maintenance Buffer Zone (3.0m) (Measured from Top of Bank)
- Existing Watercourse (Top of Bank to Top of Bank)
- Proposed Surface Water Sewer
- Proposed Surface Water Manhole
- Proposed Surface Water Outfall (Headwall)
- Proposed Surface Water Flow Control
- Proposed Permeable Paving (450mm Sub-Base)
- Proposed Basin (Pond)
- Proposed Watercourse
- Existing Foul Water Drain/Sewer
- Existing Foul Water Rising Main
- Public Sewer Protected Strip
- Foul Water (Private Drain/Public Sewer)
- Proposed Private Pumping Station
- Proposed Foul Water Rising Main
- RG Existing Road Gully
- Existing Highway Drainage

-SURFACE WATER DRAINAGE-

- Surface water disposal should be managed in view of the SuDS hierarchy;
  1. Infiltration
  2. Watercourse
  3. 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 surface water runoff is captured and attenuated within permeable block pavement and open ponds across the site, adjacent to the existing boundary watercourses.
- Permeable paving will have a total plan area of 4,105m^2, providing approximately 600m^3 storage (based on a sub-base depth of between 450-500mm and 32% voids).
- The open storage ponds have a total area of of 2,260m^2, with 1:3 sloped sides and depths of between 1.30 and 1.50m. Total proposed attenuation volume of the open ponds is 2046.8m^3.
- The approved drainage strategy determined the Greenfield runoff rate (QBar) for 'Site A' - South Side to be 22.0l/s.
- Further to the above, total controlled run-off from the development will be discharged at a rate of 16.0l/s, representing a betterment compared to the approved Drainage Strategy.
- It is proposed that all captured run-off from the proposed areas of impermeable surfacing will be captured up to the in in 100 year storm event, including an allowance of 40% for Climate Change (without exceedance).

-FOUL WATER STRATEGY-

- Foul water disposal should adhere to the following hierarchy;
  1. Public Sewer
  2. Private Treatment Plant
  3. Septic Tank and Drainage Field
  4. Cesspool
- The proposed development will establish a new connection to the public foul water sewer located in Summer Lane, via a proposed foul pumping station to serve both the northern and southern parcels of the proposed development.
- 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 much be positioned at least 15.00m from habitable buildings.
- Post developement, there will be an estimated peak foul water flow generation of 9.05l/s (based on Water UK Sewer Sector Guidance, Design and Construction Guidance).

PLANNING

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Rev.	Amendments	Date
C	Final Issue	05/11/2021
B	Annotations updated	03/11/2021
A	Revised Foul Rising Main Line & Level	25/10/2021
-	Original Issue	20/10/2021

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Drawing Status: PLANNING

Client: Foreman Homes

Project: Land at Summer Lane Pagham, West Sussex

Drawing Title: Proposed FW & SW Drainage Strategy (Northern) Sheet 2 of 2

Scale	Date	Drawn By	Checked By
1:500	Nov 21	DJL	MJA

Drawing No. D1915-303 Rev. C

ARUN DISTRICT COUNCIL P/150/21/OUT