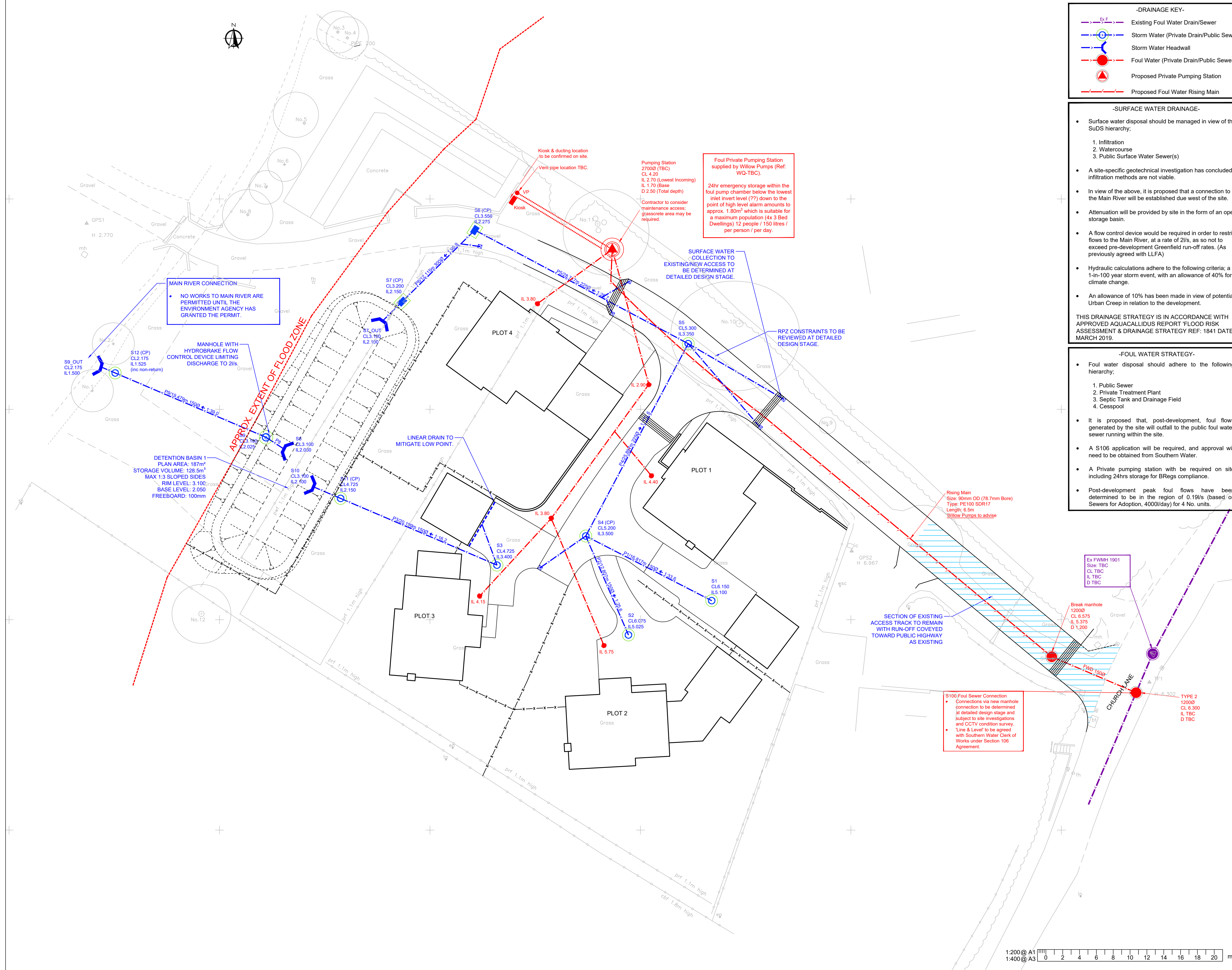




-DRAINAGE KEY-

- Ex F Existing Foul Water Drain/Sewer
- Storm Water (Private Drain/Public Sewer)
- Storm Water Headwall
- Foul Water (Private Drain/Public Sewer)
- Proposed Private Pumping Station
- Proposed Foul Water Rising Main

-SURFACE WATER DRAINAGE-

- Surface water disposal should be managed in view of the SuDS hierarchy;
 - Infiltration
 - Watercourse
 - Public Surface Water Sewer(s)
- A site-specific geotechnical investigation has concluded infiltration methods are not viable.
- In view of the above, it is proposed that a connection to the Main River will be established due west of the site.
- Attenuation will be provided by site in the form of an open storage basin.
- A flow control device would be required in order to restrict flows to the Main River, at a rate of 2l/s, as so not to exceed pre-development Greenfield run-off rates. (As previously agreed with LLFA)
- Hydraulic calculations adhere to the following criteria; a 1-in-100 year storm event, with an allowance of 40% for climate change.
- An allowance of 10% has been made in view of potential Urban Creep in relation to the development.

THIS DRAINAGE STRATEGY IS IN ACCORDANCE WITH APPROVED AQUACALLIDUS REPORT 'FLOOD RISK ASSESSMENT & DRAINAGE STRATEGY REF: 1841 DATED MARCH 2019.

-FOUL WATER STRATEGY-

- Foul water disposal should adhere to the following hierarchy;
 - Public Sewer
 - Private Treatment Plant
 - Septic Tank and Drainage Field
 - Cesspool
- It is proposed that, post-development, foul flows generated by the site will outfall to the public foul water sewer running within the site.
- A S106 application will be required, and approval will need to be obtained from Southern Water.
- A Private pumping station with be required on site including 24hrs storage for BRegs compliance.
- Post-development peak foul flows have been determined to be in the region of 0.19l/s (based on Sewers for Adoption, 4000l/day) for 4 No. units.

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.
- Bright Plan Civils accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
- Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
- Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain.

Key

- 1-1 Pipe Reference
- 10.300 Cover Level
- 9.175 Invert Level
- 450 Manhole/Node Size

PRELIMINARY
NOT FOR CONSTRUCTION

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A	Pond & FW Pump updated	09/02/2020
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Drawing Status	PRELIMINARY
Client	Paul Voller
Project	Tars Farm House, Church Lane, Barnham, PO22 0DB
Drawing Title	Proposed Drainage Strategy Preliminary Design
Scale	1:200
Date	05/02/21
Drawn By	MJA
Checked By	MJA
Drawing No.	D1946-PL300
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