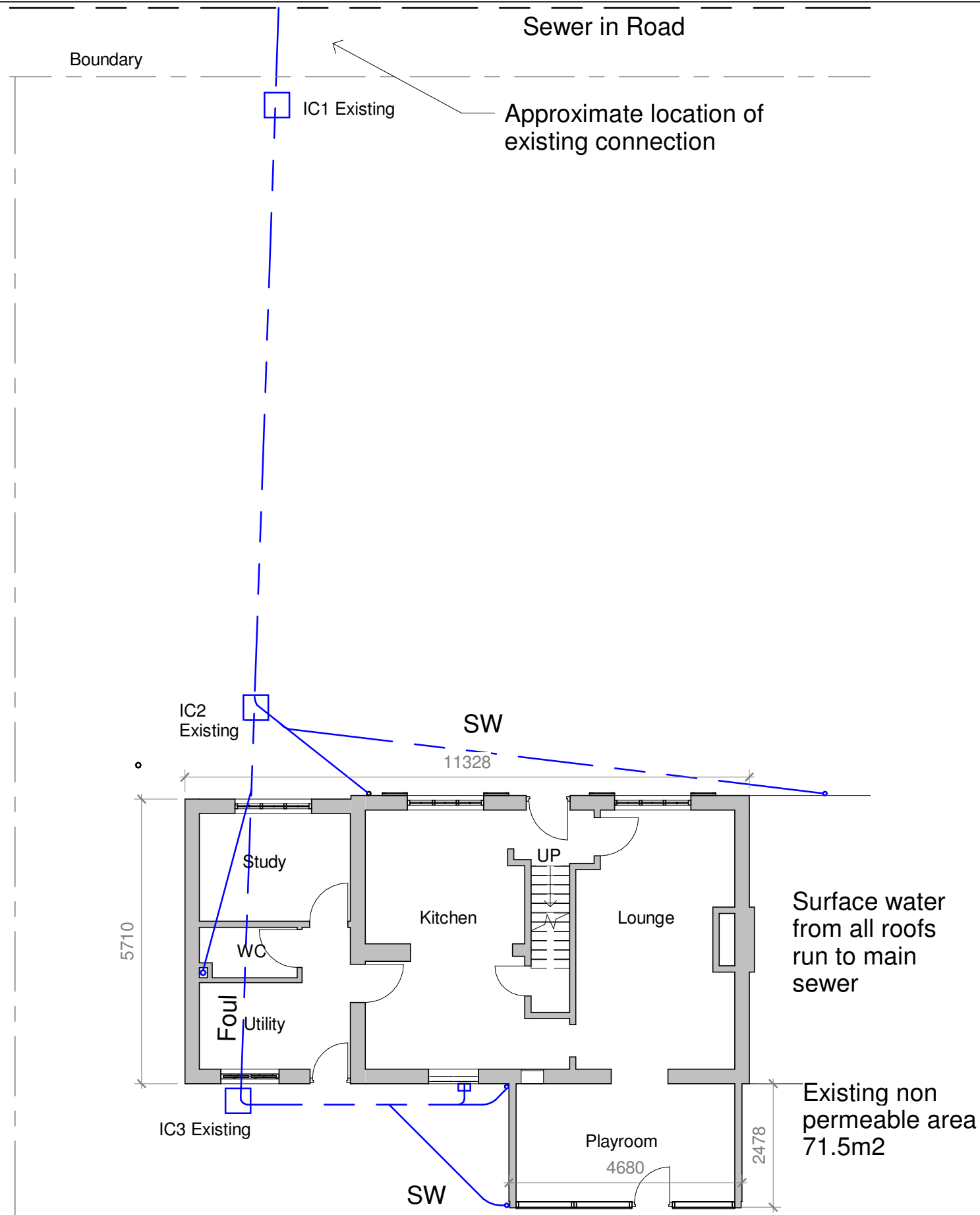


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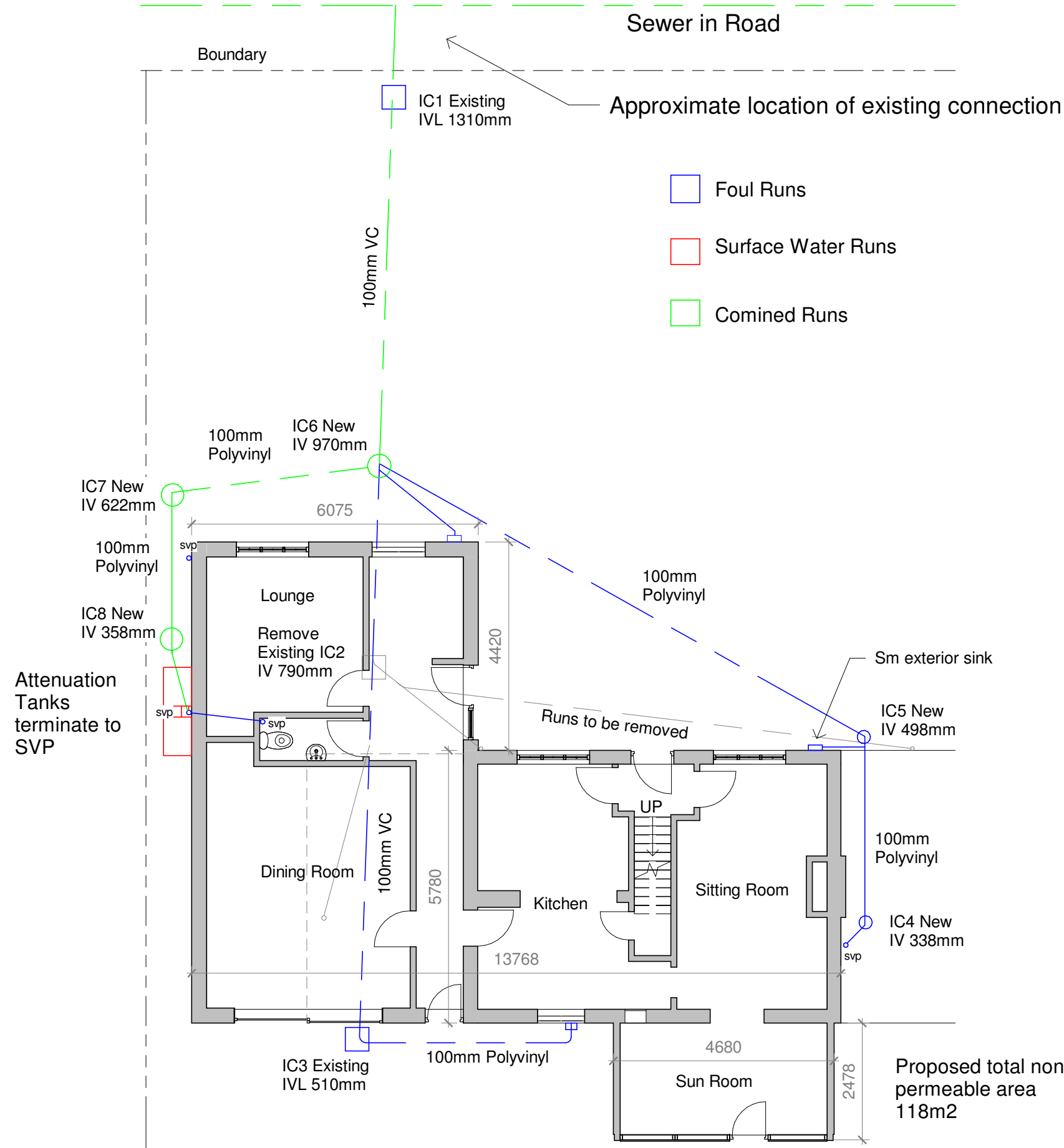


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Flamsteed  
Lake Lane  
Barnham  
West Sussex  
PO22 0AD

## Existing Drain Run

|                |                  |               |
|----------------|------------------|---------------|
| Project number | FLA-19           | D101          |
| Date           | 8th January 2021 |               |
| Drawn by       | JG               |               |
| Checked by     | Checker          | Scale 1 : 100 |



## DRAINAGE

Both storm and foul drainage to consist of 100mm diameter UPVC proprietary underground drainage laid at a minimum gradient of 1:40 where serves up to one wc or 1:80 where serves two or more wc's, surrounded in pea/single size gravel a minimum of 900mm deep in drives and roads and 400mm elsewhere, unless provided with a 100mm reinforced concrete slab with compressible material under and 300mm min bearing on original ground.

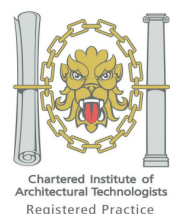
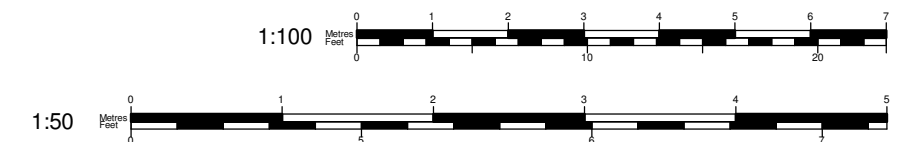
Proprietary UPVC 450mm diameter inspection chambers to be provided at all changes of level and or direction and at 45m maximum spacing in straight runs up to 1.2m in depth. All gullies to be trapped and have rodding access where serving branches. Inspection chamber covers to be mechanically fixed and suitable for vehicular loads in drives and roads and double sealed bolt down covers and frames in buildings.

Foul water to be discharged to new or existing facilities as shown on plans/specification and storm water from individual down pipes to be piped 5m away from buildings and to be disposed to soakaways 2m<sup>3</sup> of plastic crate type per rain water pipe serving a roof area up to 30m<sup>2</sup>, covered with polythene and top soil. Soakaways in clay sub soils or serving roof areas exceeding 30m<sup>2</sup> per Rain Water Pipe to be designed in accordance with BRE Digest 365 or by a specialist (i.e. Hydrologist). Rain/surface water systems cannot be connected to foul water drains without the written permission of the relevant Water Authority.

All existing drainage to be tested and repaired/replaced before building over.

## WASTE PIPES

All WCs to have trapped outlet connected to 100mm diameter pipes, and to be provided, with a wash hand basin with hot and cold running water. Sanitary appliances such as wash hand basin, baths, showers, sinks etc., to be provided with 40mm diameter waste pipes laid to falls and 75mm deep seal traps. Where waste pipe runs exceed 4m air admittance valves are to be fitted above appliance spill over level. Waste pipes to either discharge below trapped gully grating or into soil and vent pipes via proprietary waste manifolds or bossed junctions. Internally, all waste and drainage pipes to have rodding access/eyes at changes of direction and be adequately clipped/supported and provided with 30 minutes fire protection where passing through floors.



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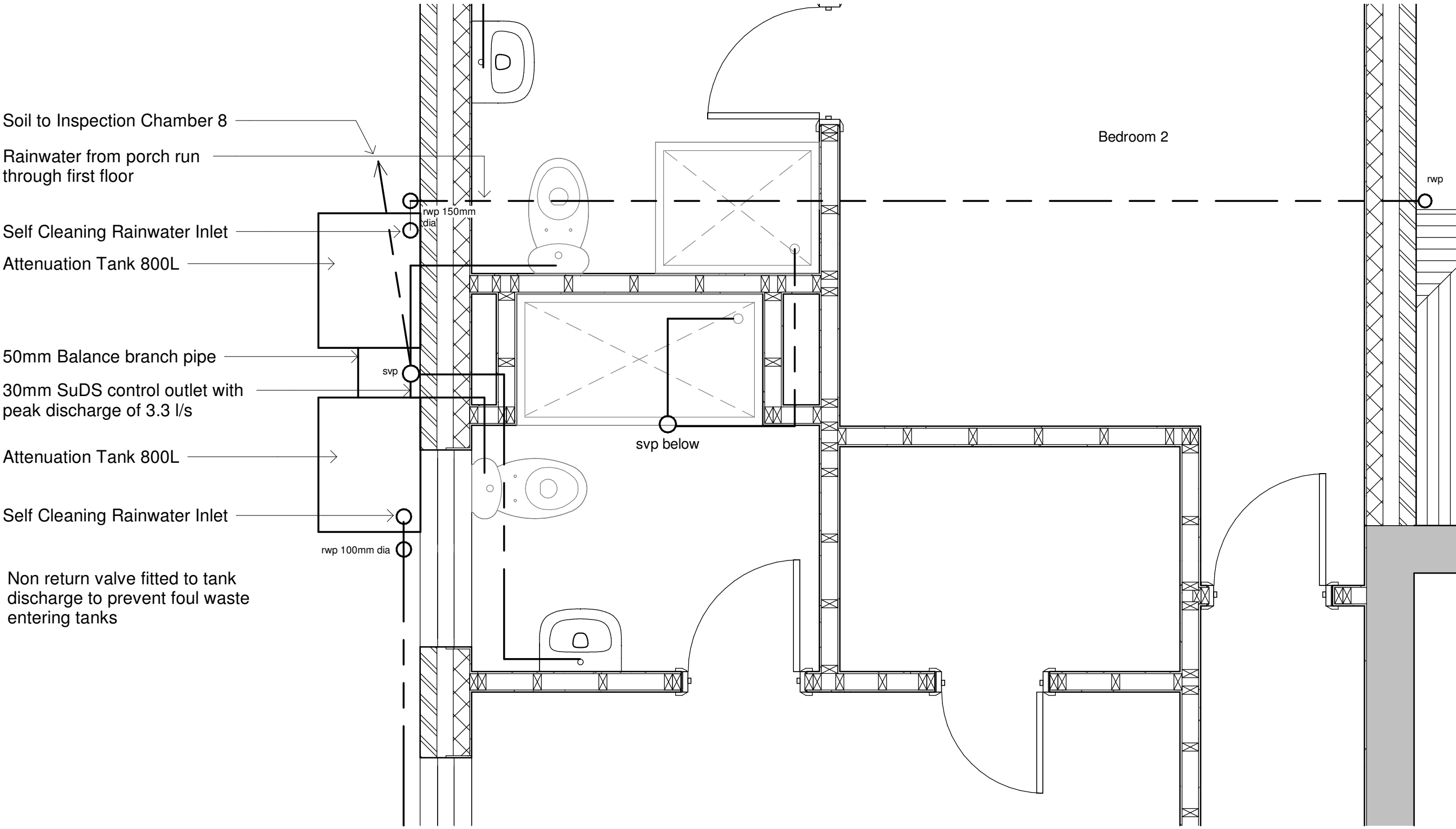


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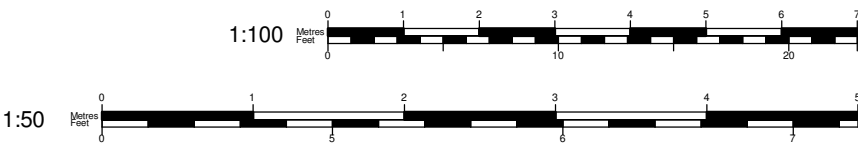
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Flamsteed  
Lake Lane  
Barnham  
West Sussex  
PO22 0AD

## Proposed Drain Run

|                |                   |               |
|----------------|-------------------|---------------|
| Project number | FLA-19            | D102          |
| Date           | 7th December 2020 |               |
| Drawn by       | JG                |               |
| Checked by     | Checker           | Scale 1 : 100 |



**Attenuation Tank Plan**  
1 : 25





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|                                                                                                                                                                                                                                                                                                       |                |  |                       |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|-----------------------|------------------|
| These drawings are for approval purposes. Materials and products should not be ordered based on scaling from drawings as errors may occur along existing building lines. All measurements and supporting elements are to be checked on site. Refer to Your Home Plans if any discrepancies are found. | Mr & Mrs Scott |  | Attenuation Tank Plan |                  |
|                                                                                                                                                                                                                                                                                                       | Flamsteed      |  | Project number        | FLA-19           |
|                                                                                                                                                                                                                                                                                                       | Lake Lane      |  | Date                  | 8th January 2021 |
|                                                                                                                                                                                                                                                                                                       | Barnham        |  | Drawn by              | JG               |
|                                                                                                                                                                                                                                                                                                       | West Sussex    |  | Checked by            | Checker          |
|                                                                                                                                                                                                                                                                                                       | PO22 0AD       |  | D103                  |                  |
|                                                                                                                                                                                                                                                                                                       |                |  | Scale                 | 1 : 25           |



800L Attenuation Tank



30mm Control Outlet



Rainwater Inlet

Soil & Vent Pipe

Soil pipe serving loft terminate at high level in 1st Floor bathroom

Aligned with RWP other side of extension. This sets the position of Attenuation Tanks and all drainage along this wall

**Rainwater Filtered Inlet**, self cleaning with 1000 micron screen

Total volume of tanks is 1.6L, providing 1.3L of attenuation with a peak discharge of 3.3 l/s, during high stress these tanks will accommodate the high volume of water as shown on page 1 of Design Calculations Post Development

## East Elevation

1 : 50

800L Attenuation Tanks

30mm SuDS Control outlet to DVP providing a peak drainage of 3.3 l/s

50mm Balance Pipe

150mm Gutters

100mm Rainwater Pipes with Ballon Leaf Guards

1:100 Metres Feet 0 1 2 3 4 5 6 7 10 20

1:50 Metres Feet 0 1 2 3 4 5 6 7



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Lake Lane  
Barnham  
West Sussex  
PO22 0AD

## Attenuation Tanks Side Elevation

|                |                  |        |
|----------------|------------------|--------|
| Project number | FLA-19           | D104   |
| Date           | 8th January 2021 |        |
| Drawn by       | JG               |        |
| Checked by     | Checker          | Scale  |
|                |                  | 1 : 50 |