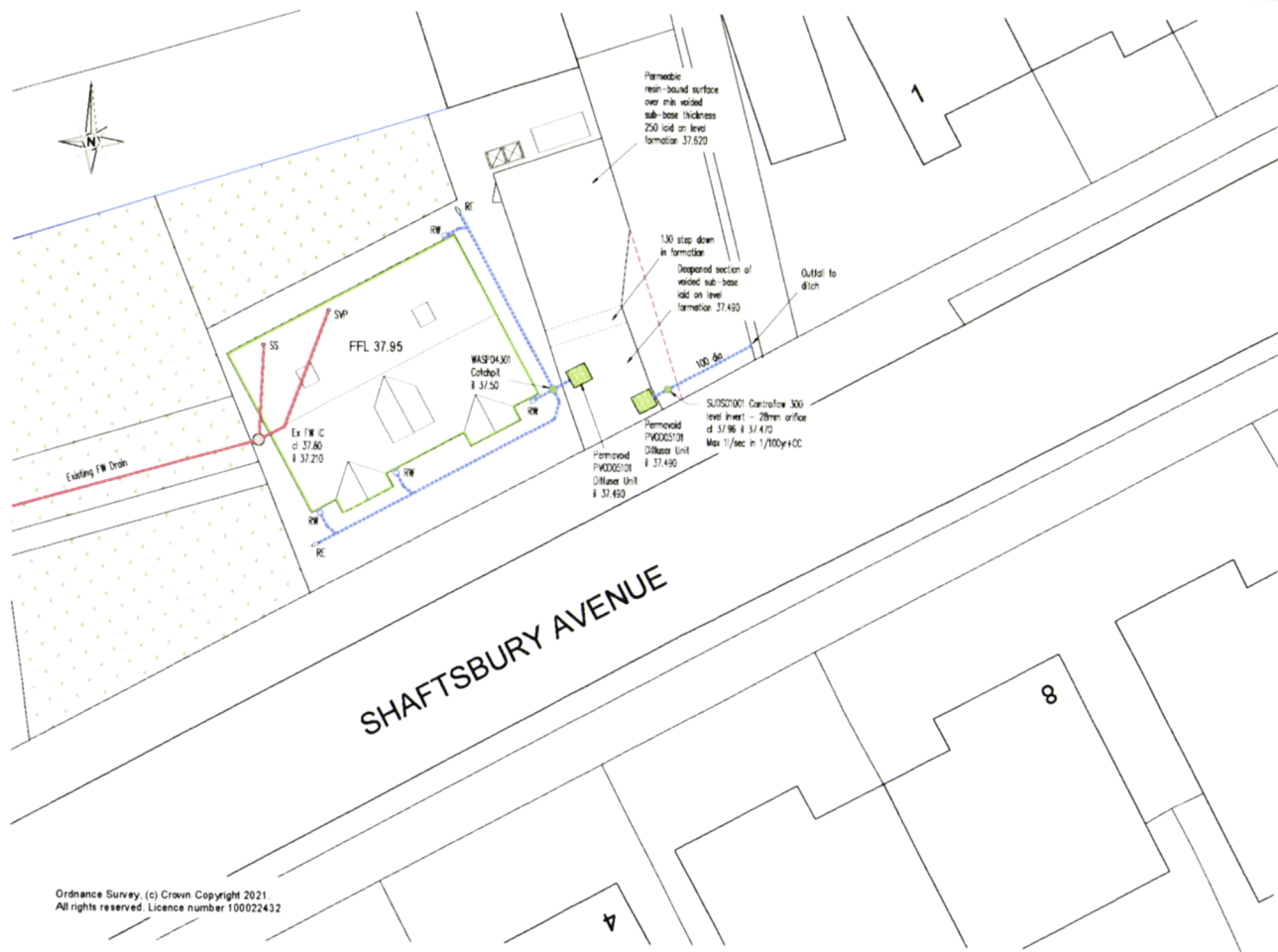
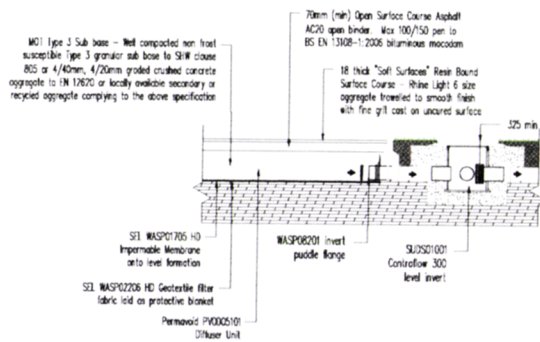




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TYPICAL CONTROL CHAMBER ARRANGEMENT Scale 1:20

- Notes
- All dimensions are in millimetres unless stated otherwise.
 - Levels are in metres related to Ordnance Datum.
 - The locations and depths of all existing sewers and manholes to be used for new connections are to be accurately determined by the Developer prior to the commencement of all drainage works on the site and the information conveyed to CFA Civils Ltd.
 - All private drainage works are to be built in accordance with the recommendations of Building Regulations Approved Document H 2015 Edition.
 - Unless stated otherwise, all private drains are to be 100 nominal diameter drainage pipes of minimum gradient of 1 in 80 to foul & combined and 1 in 100 for surface water, bedded and backfilled to manufacturers' specification.
 - All SJS fittings (shaded green on keys) to be supplied by SEI Environmental Ltd.

DRAINAGE STRATEGY

In accordance with the National Planning Policy Framework and Building Regulations, the site will be drained on a separate system with foul water draining to the public sewer and surface water draining in the most sustainable way.

Surface Water:
Planning Practice Guidance and the Building Regulations Approved Document H3 outline the hierarchy to be investigated when considering a surface water drainage strategy. In the following order of priority:

- Into the ground (infiltration);
- To a surface water body;
- To a surface water sewer, highway drain, or another drainage system;
- To a combined sewer.

Infiltration: Excavations on the site indicate that the ground conditions comprise topsoil over clay strata which is not suitable for soakaways.

Surface Water Bodies: An existing ditch is present close to the eastern site boundary.

It is proposed the manage the surface water for the site with a combination of permeable surfacing on the drive, and a voided stone attenuation system.

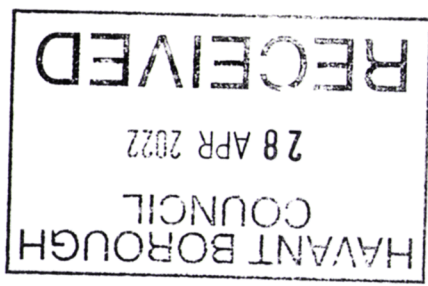
Peak flows into watercourse limited to 1 l/sec during a 1 in 100 year + 40% climate change event.

Attenuation storage sizing calculated with Micro Drainage Design Software.

The roof will drain into appropriate trapped gullies and flow through a catchpit chamber to prevent sediment and debris from passing into the attenuation system.

Maintenance: to be undertaken in accordance with material suppliers recommendations. Inspection and maintenance plan.

Every 6 months inspect all chambers and trap gullies for silt build up & remove silt if discovered.



A	description	date	by
Project	8 Westbrook Grove Waterlooville PO7 5HX		
Drawing Title	New Dwelling Drainage Strategy		
Date	July 2021	Scale 1:100	Drawn by TMC
Job No.	CFC 21049	Drawing No. 002	Checked by AT

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