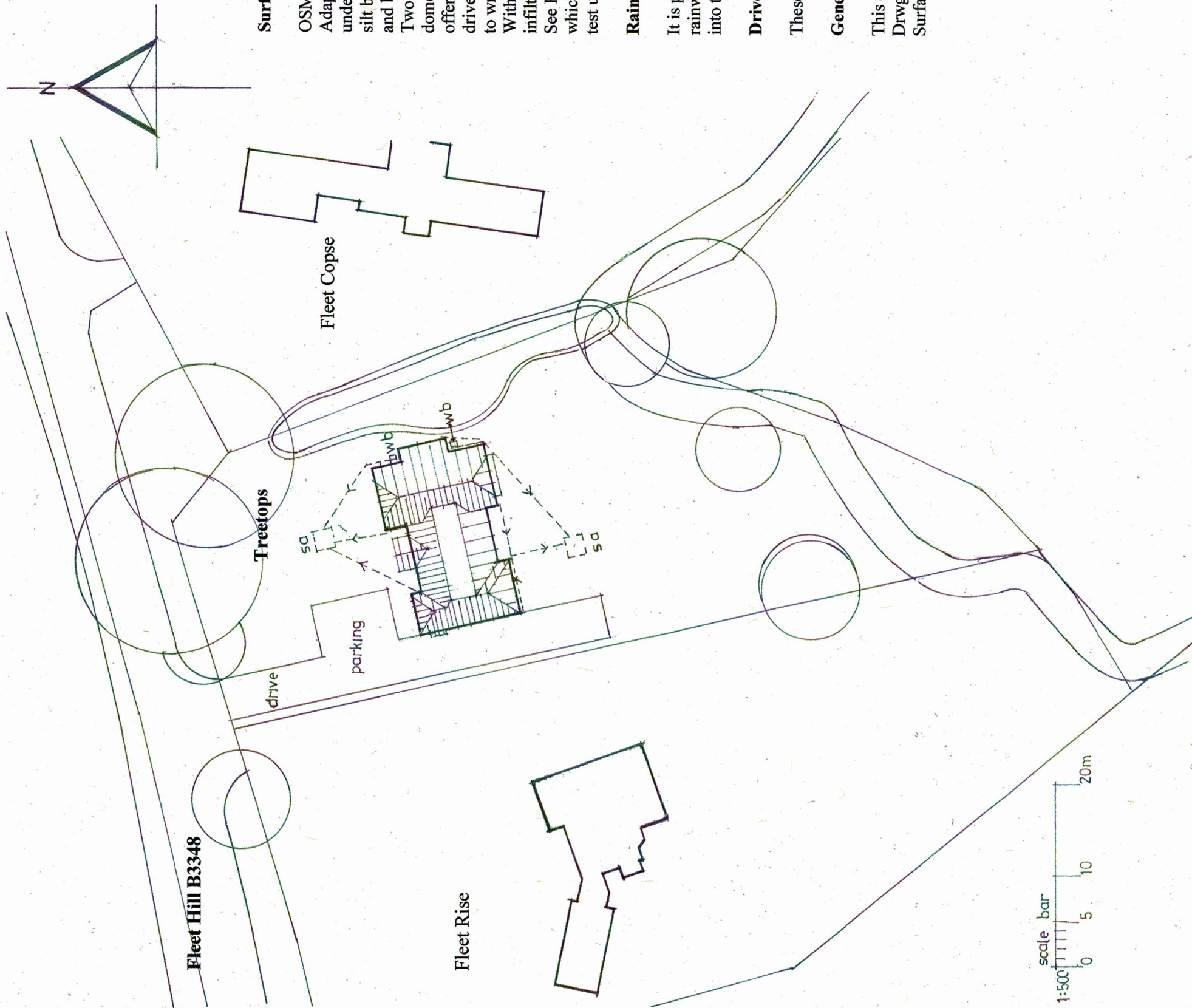




Surface Water Drainage System

OSMA rainwater 112/150mm guttering and 68mm dia rainwater pipes. Adaptor at ground level, 68 to 110mm pipe connected to 110mm OSMA underground drain pipe connected to a silt trap complete with screen mesh silt bucket to be connected to a soakaway a minimum of 5m from buildings and boundaries.

Two soakaways constructed with crates OSMA Wavin or Rainsmart domestic 24.2 tonne vertical load and 18 tonne per square metre lateral load, offering a heavy loading capacity to allow installation under gardens and driveways. Soakaway installations to be complete with geotextile membrane to wrap all of the outward faces.

With a void ratio of 95% the system ensures a large contact area for quick infiltration while allowing more water to be stored in less space.

See Keith Farquharson Associates Calculations for surface water disposal, which includes reporting on the results of the necessary percolation/soakage test undertaken.

Rainwater Harvesting

It is proposed to install 2no. 800ltr water butts (wb), connected to the 68mm rainwater pipes complete with overflow valves to return excess water back into the drainage system.

Driveway, Parking and Hardstanding

These areas to have a permeable build up and finish.

Generally

This drawing is to be read in conjunction with Tony Day Architects Ltd Drwg. 3740/200 R, Keith Farquharson Associates calculation Ref: S/082201. Surface Water Drainage System statement Ref: PCA22/2100/SWDS

Client	Mrs. H Price
Project	Treetops Fleet Hill Finchampstead Wokingham RG40 4LE
Title	Surface Water Drainage System Site Plan
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Paul Carter Associates Architecture Planning t 01256 354568 mob 07880 652765 e paul-carter1@live.co.uk	
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