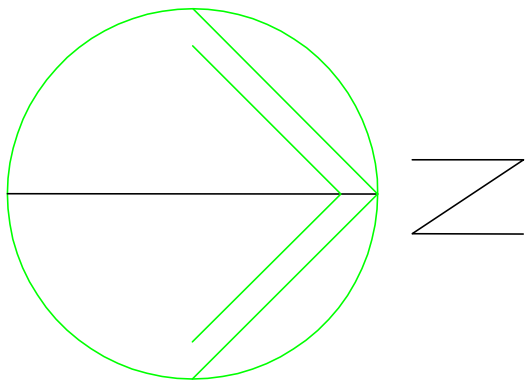
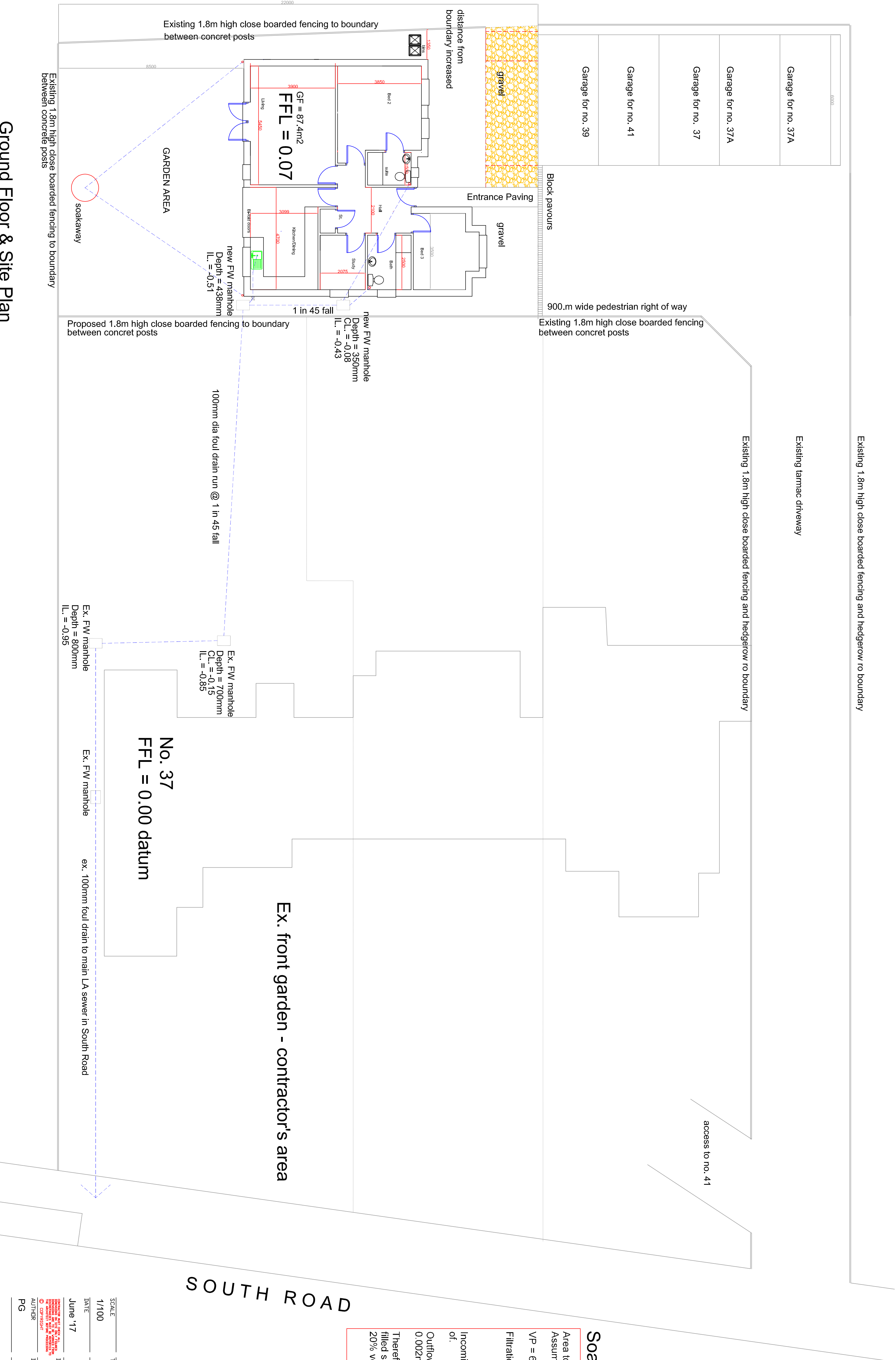


SITE SECTION

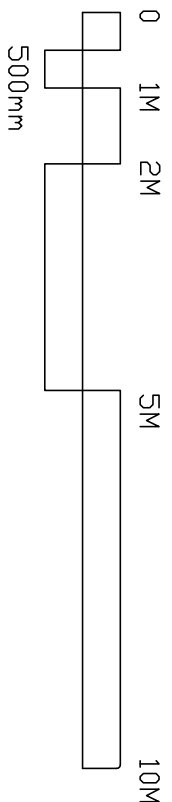


Soakaway Calculation

Area to be drained = 132m²
Assumed 10mm rainfall = 1.3m³ to be disposed of
VP = 60mm/150mm = 24 seconds
Filtration rate (f) = 10.3
ZVP = 0.0002

Incoming water is 132m² area x 14mm of rainfall = 1.84m³ of water to be disposed of.
Outflow volume is: $O = a^{s^{50}} \times f \times D$ therefore $O = 2 \times 0.0002 \times 5$ and thus $O = 0.002m^3$

Therefore required capacity is 1.84m³ - 0.002m³ = 1.838m³. A traditional rubble filled soakaway 1.2m diameter measuring 1.8m³ below the inlet pipe and with, say, 20% void, that is 0.25m³ storage capacity, will therefore be adequate.



SCALE	TITLE	PETER GALLOWAY PARTNERSHIP
1/100	Proposed Bungalow	
DATE	37A, South Road	
June '17	Hayling Island	
DETAILED BY	Site Levels/Enclosure/Drainage	
AUTHOR	17/03/CO2	
PG		
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