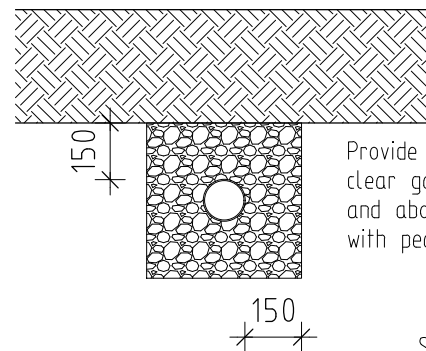




Provide minimum 150mm clear gap either side and above and fill with pea-shingle

SOAKAWAY (Sandy/Gravel)

Total Roof Area = 97.100m²
61mm/hour/3000 = 00.020
Soakaway size = 1.942m³

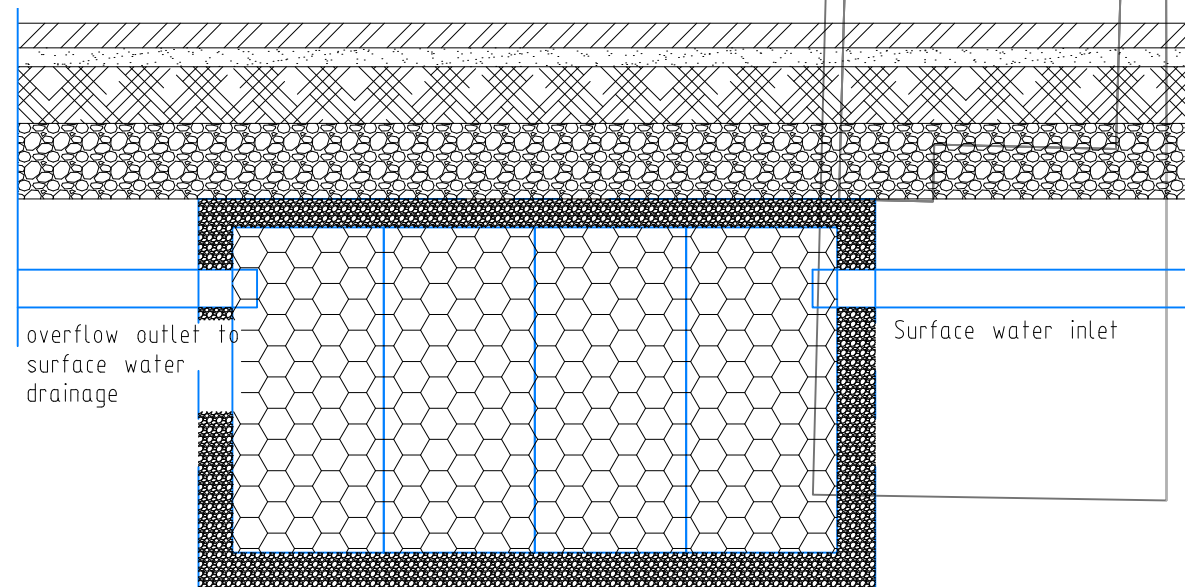
Rainsmart Crate = 0.246m³
0.715m(L)x0.4m(W)x0.86m(D)

Use 8No. crates - 4x2 x1 deep to form 1.968m³ soakaway min. 1.2m below ground level

INFLOW VOLUME

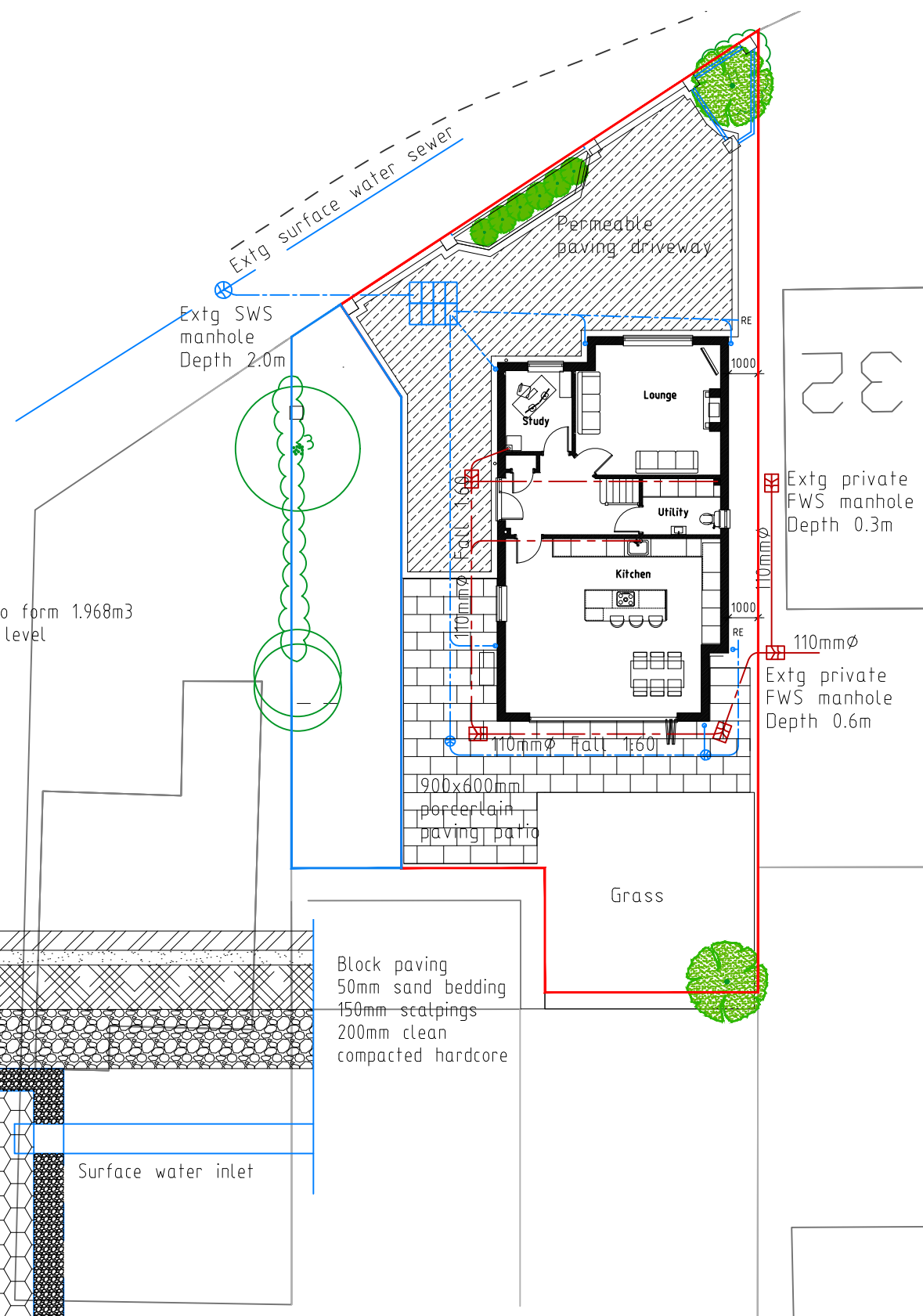
Total Roof Area = 97.1m²
Runoff Coefficient = 1
Rainfall Intensity = 61.6mm/h
97.1x1x0.05 = 5.981m³

Yearly rainfall = 740mm
Monthly rainfall = 61.6mm

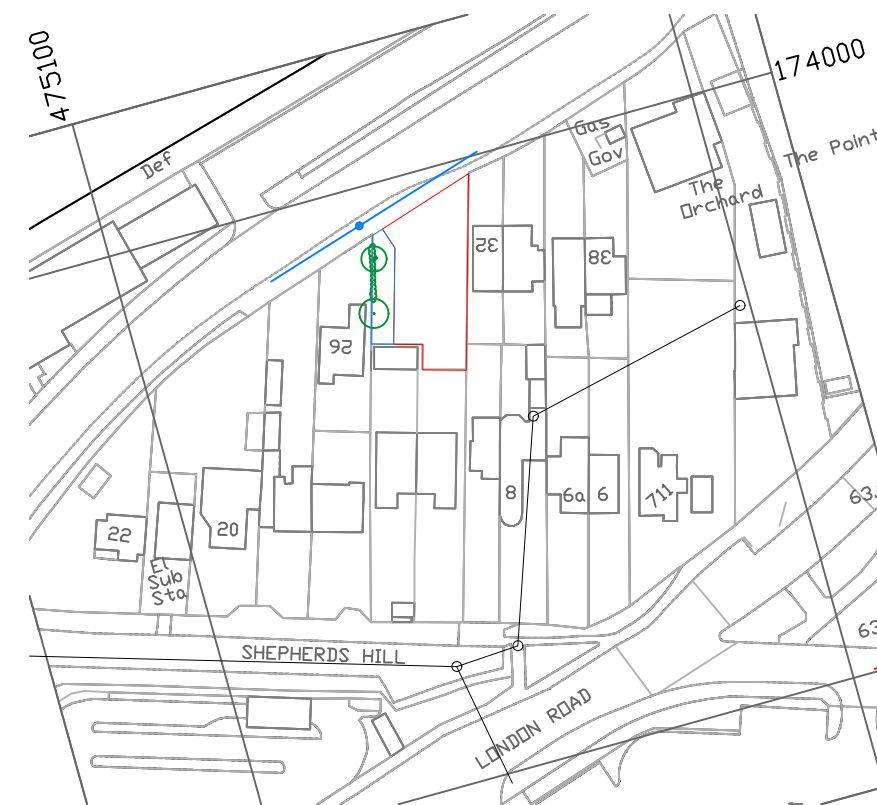


Soakaway holding tank with Geo-membrane surround and 100mm peashingle to allow water to disburse.

SOAKAWAY DESIGN 1:10

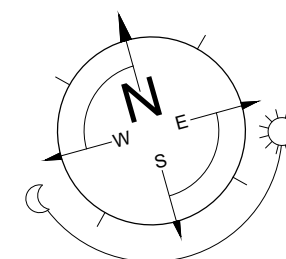


SITE PLAN (1:200)



LOCATION PLAN (1:1250)

0 10 20 30 40 50 60 70 80 90 100
Scale m



0 2 4 6 8 10 12 14
Scale m

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REV.	DATE	COMMENTS
PROJECT 28 Shepherds Hill Earley RG6 1BB		
PROJECT TITLE Proposed two storey detached dwelling		
DRAWING TITLE DRAINAGE DESIGN		
CLIENT Mr S Kendrick & Miss K Johnson		
SCALE 1:200 (A3)		DATE Mar 25
DRG. No. 24-936-109		REV. G