

Soakaway Proposals

New Wavin AquaCell Eco Soakaway min. 5m from any building or structure. Design of new soakaway to be agreed on site between Building Control and the Building Contractor. Use preformed drainage crates as manufacturers details and recommendations. Design to be based on a sub-soil percolation test in accordance with BRE 365 Soakaway Soakage Test.

Guidance Notes for BRE 365 Soakaway Soakage Test

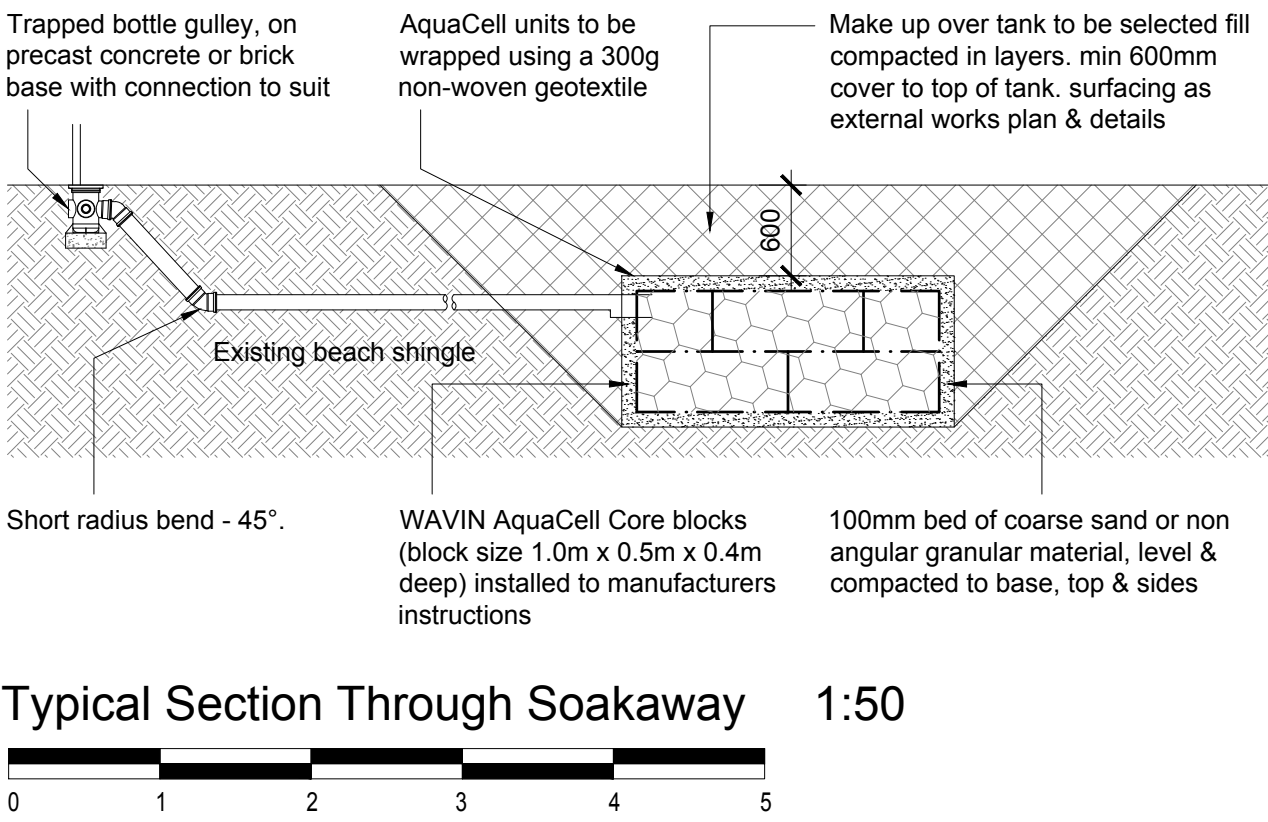
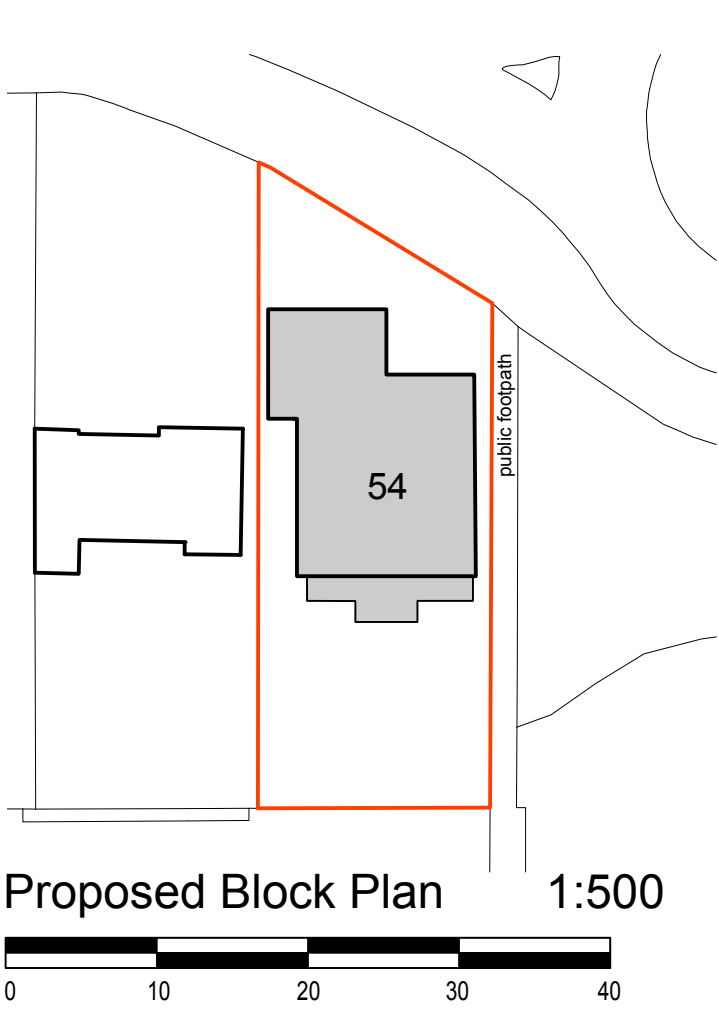
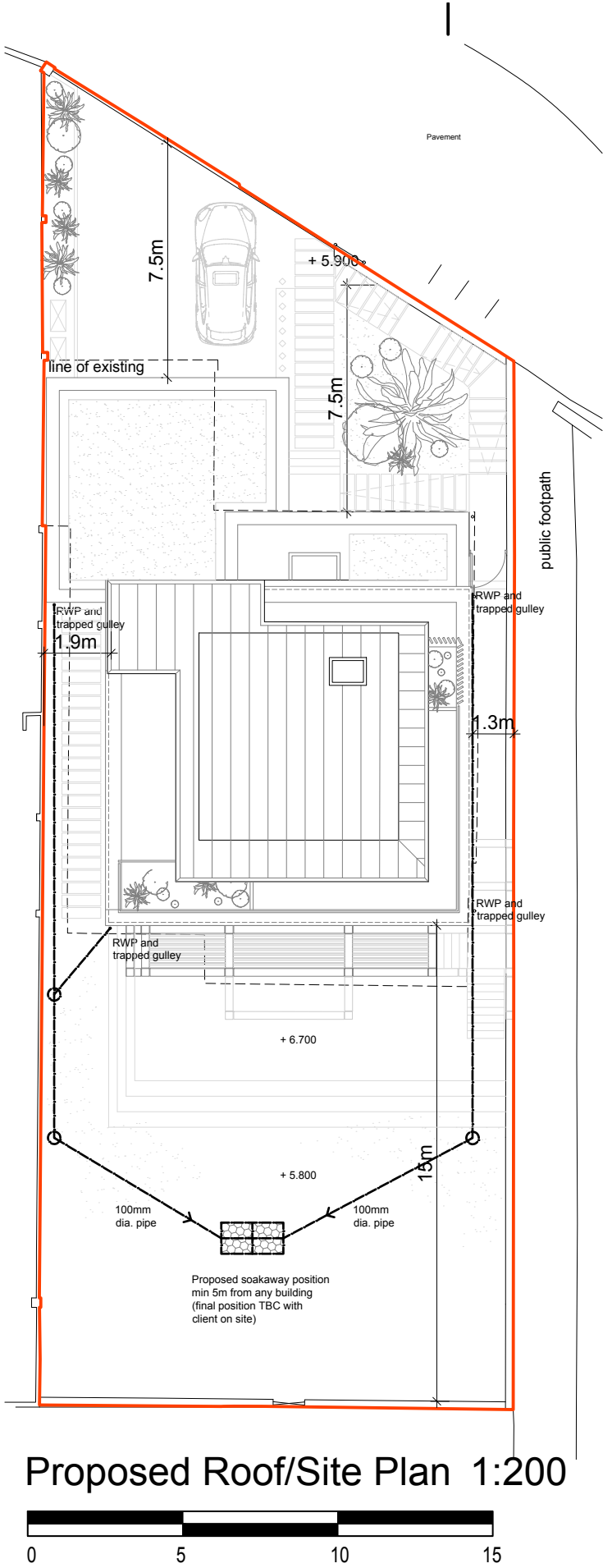
- 1. Excavate pit to approximate dimensions – 0.5m x 1.0m x 1.3m deep.
- 2. Vertical sides to be trimmed square (for safety reasons do not enter pit)
- 3. Measure exact pit dimensions
- 4. Fill pit with water to approximately 0.3m below the ground level and allow to drain to near empty three times
- 5. Record water levels and time from start of test at intervals such that approximately ten measurements are taken during the emptying of the pit
- 6. Record all results and refer to engineer for calculation of soakage rates
- 7. We recommend that you invite the building inspector to attend at least one of the tests

Notes on Filling of Pit

- 1. Inflow of water to pit should be rapid therefore water bowser is recommended.
- 2. Take due care to ensure that walls of pit do not collapse during inflow of water.
- 3. Fillings should be on same or consecutive days

SOAKAWAY CONSTRUCTED USING GEOCELLULAR STORAGE 2.0 x 1.0 x 0.4m

- provide one layer AquaCell CORE-R from WAVIN or similar approved to be laid in a 'brick bonded' pattern installed in strict accordance with manufacturers SOAKAWAY details
- AquaCell to be laid on 100mm bed of coarse sand or non angular granular material, level & compact
- AquaCell units to be wrapped using a 300g non-woven geotextile
- provide min 100mm of coarse sand or non angular granular material between the trench walls and AquaCell structure & compact
- lay 100mm of coarse sand or non angular granular material over the geotextile and compact
- use AquaCell adaptors to connect incoming pipework
- ensure minimum 300mm cover depth to units where installed under landscaped/ non-trafficked area
- ensure minimum 600mm cover depth to units where installed under trafficked areas (vehicle mass up to 9 tonnes)



amendments					client	drawing number	revision	drawn by	checked by	riba work stage	date	scale/original sheet size	
rev.	date	comment	auth.	chkd.									
A	22.05.26	Dimensions added to site plan.	ES	GI									
B	06.07.26	Minor amendments as planning officer comments.	ES	GI									
C	28.07.26	Minor amendments to finished floor level.	ES	GI									
D	20.08.26	Minor amendments as PO and EA comments.	ES	GI									
					project	drawing title	www.abir.co.uk studio@abirarchitects.co.uk					© ABIR Architects Ltd. Check all dimensions on site before work is undertaken. All goods, materials and workmanship to conform with current building regulations, BSS and COP's.	
					54 Old Fort Road	Proposed Block Plan, Site/Roof	Unit 1, Beta House, St John's Road, Hove, BN3 2FX, United Kingdom						
					Shoreham-by-Sea	Plan & Drainage Details	Hove +44 (0)1273 724 384						
					BN43 5RJ	PLANNING	Company No 06877117 VAT No 971 4147 17						
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