R&W Associates

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# Flood Risk Assessment

The extension has been designed with flood mitigation measures in mind. Concrete blocks used in foundations are to be sealed with an impermeable material or encased in concrete to prevent water movement from the ground to the wall construction. Ground supported floor to be constructed with min 150mm hardcore, blinded with sand to receive 1200 gauge polythene DP membrane. The concrete slab is to at least 150mm thick with Insulation as rigid closed-cell material with a 65mm screed finish. The walls of the extension are to be painted render that is an effective barrier to water penetration and should be used with blocks at least up to the predicted flood level plus the equivalent of a course of bricks as freeboard. The walls are to be cavity with the insulation being a rigid closed-cell material placed of the inside face.

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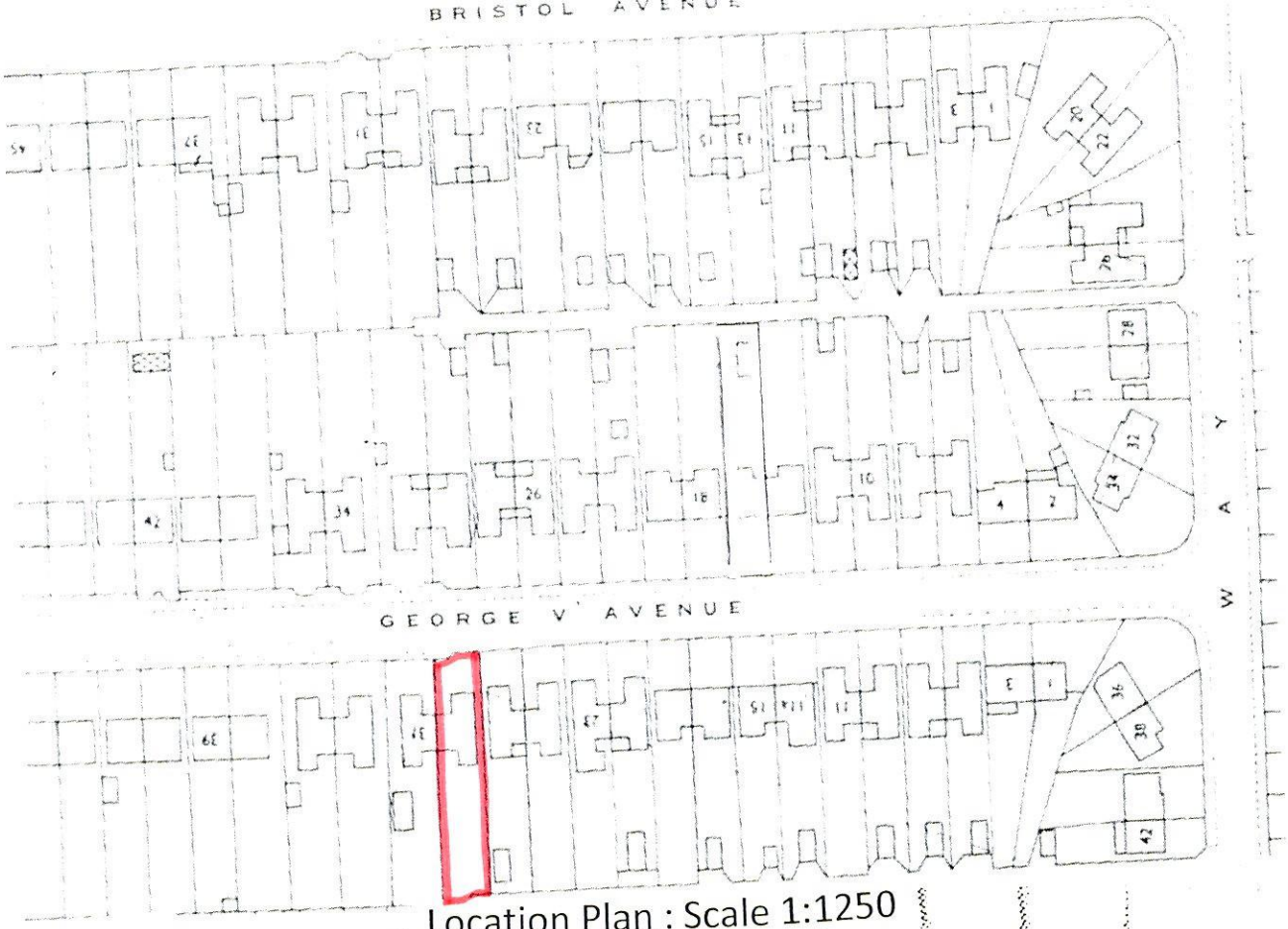
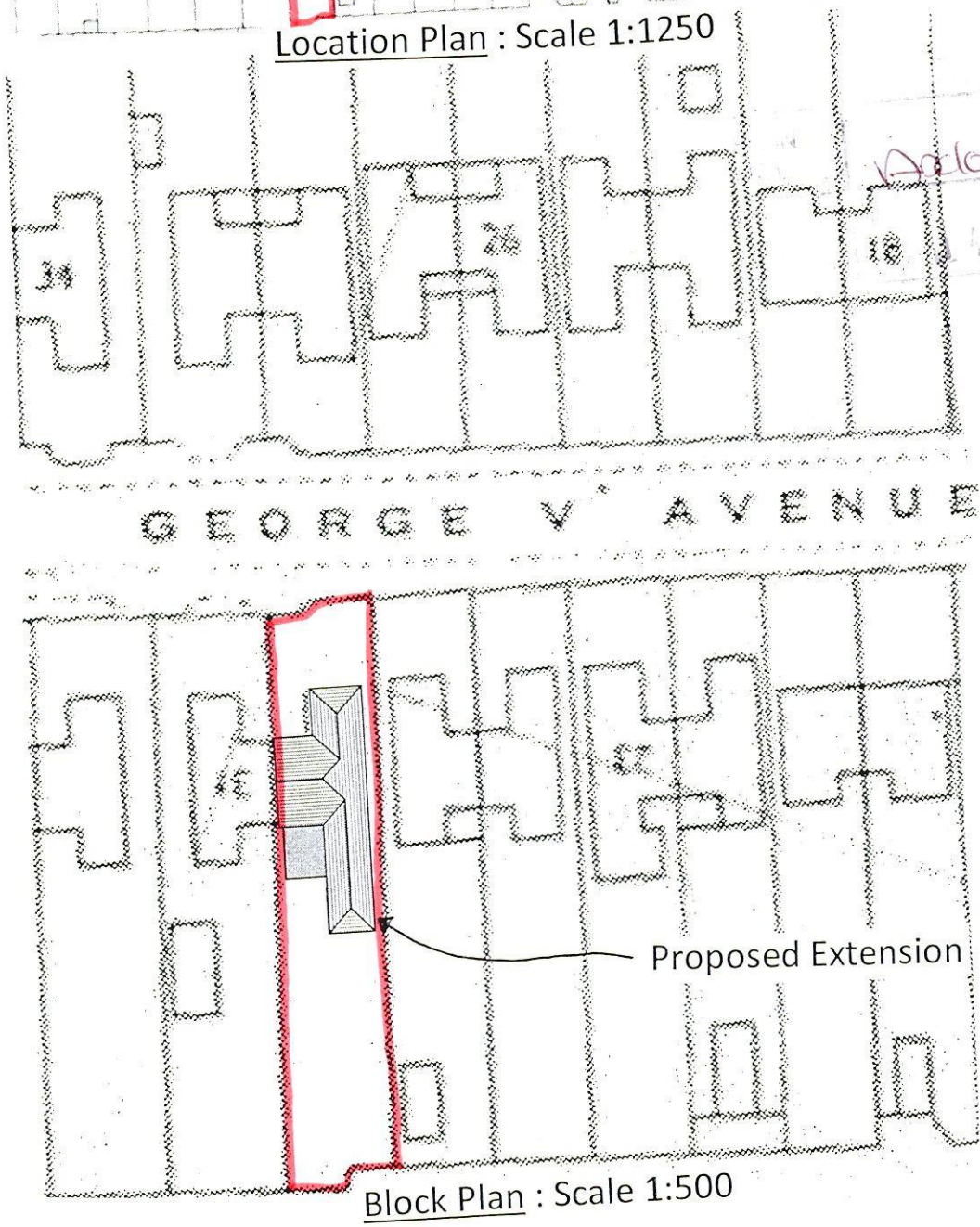



Location Plan : Scale 1:1250




Block Plan : Scale 1:500