

METHOD STATEMENT FOR CONSTRUCTION OF GARDEN ROOM

Preamble

- A The proposed scheme comprises construction of a small structure, to house a 'Garden Room', in a corner of a rear garden.
- B This corner is close to mature trees, in two neighbouring gardens.

Consequently, the foundations need to be built as a piled structure, (i) to avoid damaging any tree roots which possibly extend into this property, by excavating for conventional foundations; and (ii) to isolate the foundations from the desiccating effects of the trees' roots, which will potentially result in subsidence.

A further reason for preferring a piled foundation solution here, is to avoid inducing extra lateral forces, from conventional foundations, which would be exerted on one of the boundary walls, which is a retaining wall (against a significantly lower neighbouring garden.)

Construction procedure (Stage numbers shown on drawing no 2058/MS01)

- 1 Clear-out and remove shrubs/saplings, including roots.

Locally reduce ground level in raised planting area, down to general rear patio level. This includes demolition of shallow brick wall (approx 350mm high.)
- 2 In the area of the building footprint, extend shallow excavation down to a formation level, 200mm below the (Stage 5) floor structure.

Locally probe (by driving a sharpened-end metal bar) to approx 1m depth below formation level to check for large root obstructions; mark locations of any encountered.
- 3 Import crushed stone, and compact in layers, to form a firm platform, 200mm deep, on which the piling rig can operate.
- 4 Assemble piling rig (which will have to be dismantled to bring it through the existing house) on the platform.

Construct piles – to be constructed with low noise/low vibration techniques: anticipated to be either 'mini-piles' (constructed by rotary coring) or screw piles. Piles to be relocated as necessary sufficient to clear of any root obstructions.
- 5 Construct reinforced concrete (RC) raft onto pile-heads.
- 6 Construct Garden Room superstructure – anticipated to be timber-framed, with panel infills – onto piled raft.