

## PROPOSED REPLACEMENT GARDEN SHED

### STRUCTURAL SURVEY

#### Background

As part of the renovations that have recently been carried out, it is proposed to refresh the garden. A New garden shed is proposed

#### Existing Structure

The proposed site for the new shed is close to a willow tree and a natural stone boundary wall 450mm thick.

#### Proposed New Shed

The shed is free standing, self-supporting and its use will be for the storage of garden implements. As no people will be inhabiting the building the construction does not require building regulation approval.

The structure proposed is of timber stud construction with insulation to avoid condensation. Proximity to the boundary means that a maximum height limit of 2.4 metres will be imposed.

#### Structural Considerations

Two factors are important to this small project:-

- 1) Proximity to the mature tree and the potential for conflict with tree roots
- 2) Proximity to substantial wall and a difference in level one side to the other.

For the above reasons it has been decided to use drilled screw supports in the ground instead of concrete foundations.