

Tree survey

Ref Planning application APP/ 18/00992

32 Muriel Road, Waterloo, PO7 7TE

With reference to requirements of BS5837

Relevant trees as per the attached plan are:

See drawings : 860118 and 860218

T1 and neighbouring Lombardy poplar trees

These trees, which have a tree protection order on them, occupy a strip of land owned by the council adjacent to the end of the applicant's garden and outside the site. The nearest tree is currently 2.5 Metres from the corner of an existing shed with concrete foundation and surrounding paving. (See photo attached) and surrounding paved area. There is no evidence of roots breaking the surface or suckers within the applicants site.

Arboreal Impact assessment

Lombardy poplars can have extensive root systems however these tend to follow the path of least resistance in their search for water which reduces the likelihood of roots having penetrated extensively beneath the shed or surrounding paving. Exploration prior to works commencing should identify any such as may exist.

The proposed location of the Zedbox requires the removal of the existing shed and foundations such as they may be and in the course of such work any evidence of the roots from the poplars should be noted.

Further exploratory holes should be dug in areas where the proposed location of the Zedbox exceeds that of the existing shed and any root systems noted. If tree roots are noted at any point further investigation should only be made with extreme care and use of an air spade. Any exposed roots should be re-covered to original depth or with a minimum soil covering of 200mm.

Tree Protection Plan:

The proposed Zedbox installation does not require ground poured concrete. The Zedbox is fully ventilated beneath and is supported by Ground screws. Refer <https://www.abcanchors.co.uk/our-services/tree-roots/>

Ground screws as proposed by and subject to the structural engineer's (Stroud Associates) advice can be placed to avoid known root locations and avoid disturbance of the Zedbox by root development beneath. Importantly the Zedbox does not require a concrete plinth it avoids compression of existing roots and does not pollute or restrict water movement in the ground. It is therefore preferable to the existing shed.

No herbicides or plant or shrub removing chemicals will be used in preparation of the site.

Technical planning

Technical and detailed design to be carried out with reference to all investigations subsequent to planning and to be approved prior to works.

