

Method Statements for works at 21 Barnhill, Pinner, HA5 2SY

1. General Preamble Note:

An email was received from Mr Daniel Lord Hillingdon Planning Department on 29th September 2020 and informed us to

- 1. Cease all works relating to the development of the outbuilding with immediate effect.*
- 2. Submit a method statement and tree protection measures for consideration by the local planning authority.*
- 3. Facilitate an inspection of the works carried out on Tuesday 6th October between 10am and 11am.*

I responded to this email on 30th September 2020. Subsequently a meeting was arranged with Mr Lord, Mr Singh and myself to inspect the works to date on Friday 2nd October 2020. Photographs of the construction works to date were taken by Mr Lord and asked to cease all works until the conditions were discharged with a view of possible another site visit by the Council Tree Officer and Mr Lord to check site dimensions.

As noted on my email to Mr Lord

Apparently at present there is no fencing to the rear of the property but only has some overgrowth and a lot of trees and shrubs. Some of the other adjacent properties also do not have any fencing to the rear and it's ambiguous to ascertain the exact point from where to take the rear measurement. An approximation was taken from the Builder. The neighbour at no 23 has only recently erected the rear fence to the rear of the property.

I have measured the distance the Outhouse from the rear of no 21 as shown on the block plan and it collaborates with distance of the as built on site.

I have attached photographs of the rear overgrowth with the outhouse at the rear. As there is no demarcation boundary an approximation was taken by the builder and the back of the Outhouse corresponds with the location of the Outhouse as shown on the block plan on the drawing.

I have indicated this dimension on the revised Approved Planning drawing PL/21BHO/01 Rev A, as well as the Tree Protection Plan PL/21BHO/02.

The Tree protection plan shows the location of the proposed new temporary fencing as well as crown spread, tree root zone, structural tree root zone etc.

2. Task Description carried out for the Outhouse

As noted on the day the site visit by the Planning Officer, the walls to the Outhouse have reached almost roof level (2m height)and all the foundations, oversite concrete, beam and block have been laid. Photographs provided at the end to show the progress of the works as well as lack of large tree roots through the foundations.

This method statement describes the work process that were carried for the digging out, shuttering, mass pour concreting, backfilling, and of works.

Digging Out (Excavations). Work began on 7th September 2020

The area of excavations will first be checked for live services using cat scanners and site plans where possible. Any existing services will be protected or moved as required by the specialist.

Sequence of work

Existing sheds were demolished down and all debris removed from the rear garden

The ground floor area was checked to be free from any existing foundations from the sheds and removed prior to any commencing work

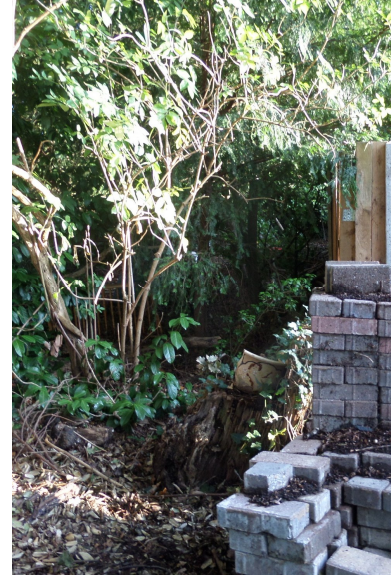
All the foundations were dug out carefully by hand and very small threads of roots were noticed through the trench. The internal sides to the foundation were lined with 'Clayborad' to prevent any future ground heave as well as a DPM layer to the full depth of the rear foundations to stop an future tree roots encroaching and pushing against the foundations.

Removal of earth was carried out by using a wheelbarrow directly to the skips which were located in the front garden, some earth has been left on the left side of the Garden for removal later on.

- 1) **Excavation Safety.** No machines were allowed near the excavations to minimise the risk of collapse, all trenches will be protected from collapse with braced timber shuttering and sandbags, the site foreman ensured the safety of each excavation prior to allowing work. Access and egress to trenches will be via short timber ladders, all excavations will have a banksman on duty .
- 2) Good standards of hygiene were maintained prior to eating, drinking, and clearing site due to Covid 19.
- 3) **Concreting.** The concrete was delivered with premixed via cement mixer or boom truck, and poured against the face of the excavation. The concrete must be a strength of 35 N/m² with minimum 380kg of sulphate resistance cement per cubic metre and a maximum water/cement ratio of 0.45, once poured the concrete will be levelled with the use of a vibrating poker; the site foreman is responsible for ensuring the correct distribution of the concrete into the shuttering and that the 20mm reinforcing rod is kept in position.

- 4) **Brickwork and beam and block-** An oversite concrete was poured of DPM and brick coursing laid with DPC. Beam and block was installed. Brick work wall taken up to 2m. All work were ceased on Friday 2nd October 2020 upon the requested of the Planner.

Below are photographs of sequence of works to date.



Rear foundations existing overgrowth to the rear boundary.



Trench dug out by hand tools. During the dig no large tree roots were encountered.

Pouring of concrete with 'Clayboard' lining to the inside face of foundations to prevent ground heave.



Oversite concrete poured over DPM



Laying of Beam & Block floor



Rear & side walls substantially built up.



Work stopped on Friday 2nd October 2020 after intervention of Planning Department.