



61 Thornhil Road
Ickenham
UB10 8SQ

Two storey side to rear extension

INTRODUCTION

This Method statement has been produced to fulfil the condition no. 6 of the Planning permission ref: 22378/APP/2022/683

Project location:

The site is located on a residential area with similar houses on the road.

Project description:

The project involves two storey side to rear extension following the demolition of side/rear walls and the roof.

Project timescale:

Commencement: March 2023

Completion: July 2023

Duration : 16 Weeks

LOCATION AND SURROUNDING AREA

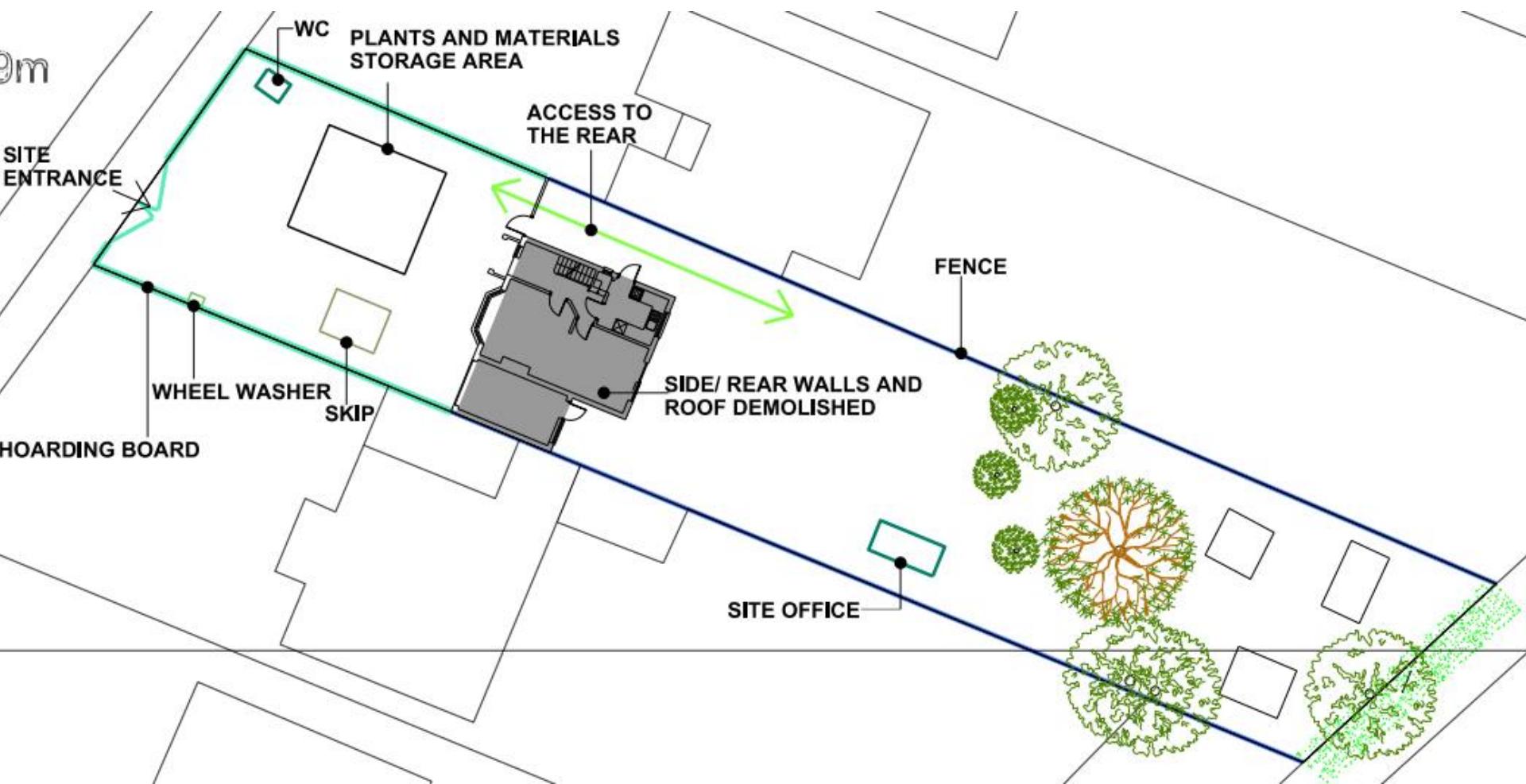


Location

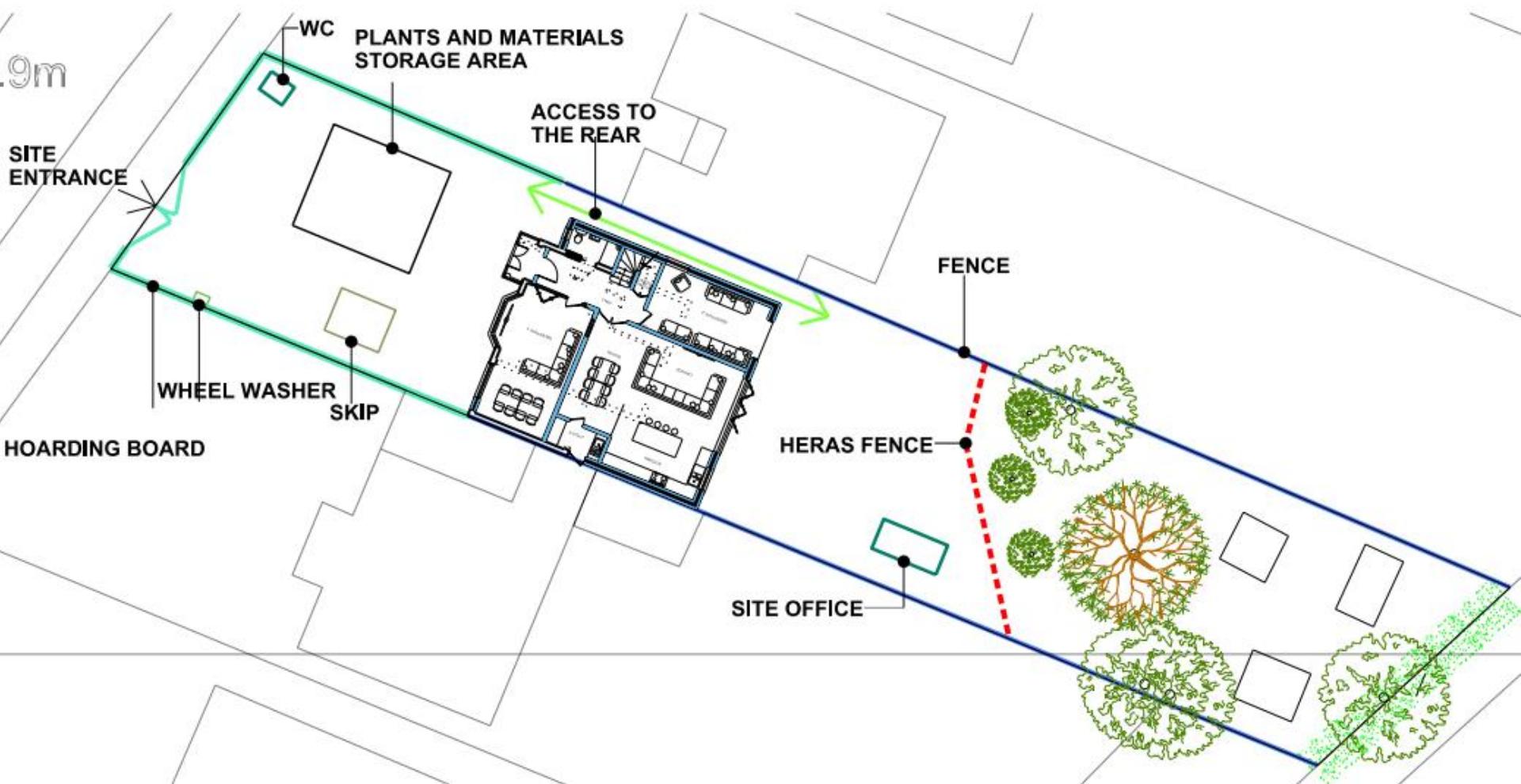
The site is located in a residential area on Thornhill Road. Thornhill Road is a residential area and most of the houses are detached houses.

SITE SETUP

PHASE 1: DEMOLITION OF THE SIDE/REAR WALLS AND THE ROOF OF THE EXISTING HOUSE.



PHASE 2: CONSTRUCTION OF NEW FOUNDATION, WALLS, FLOORS AND ROOF.



Trees on site

There are 8 trees at the back of the rear garden. 5 of them are large trees and 3 of them medium size trees.

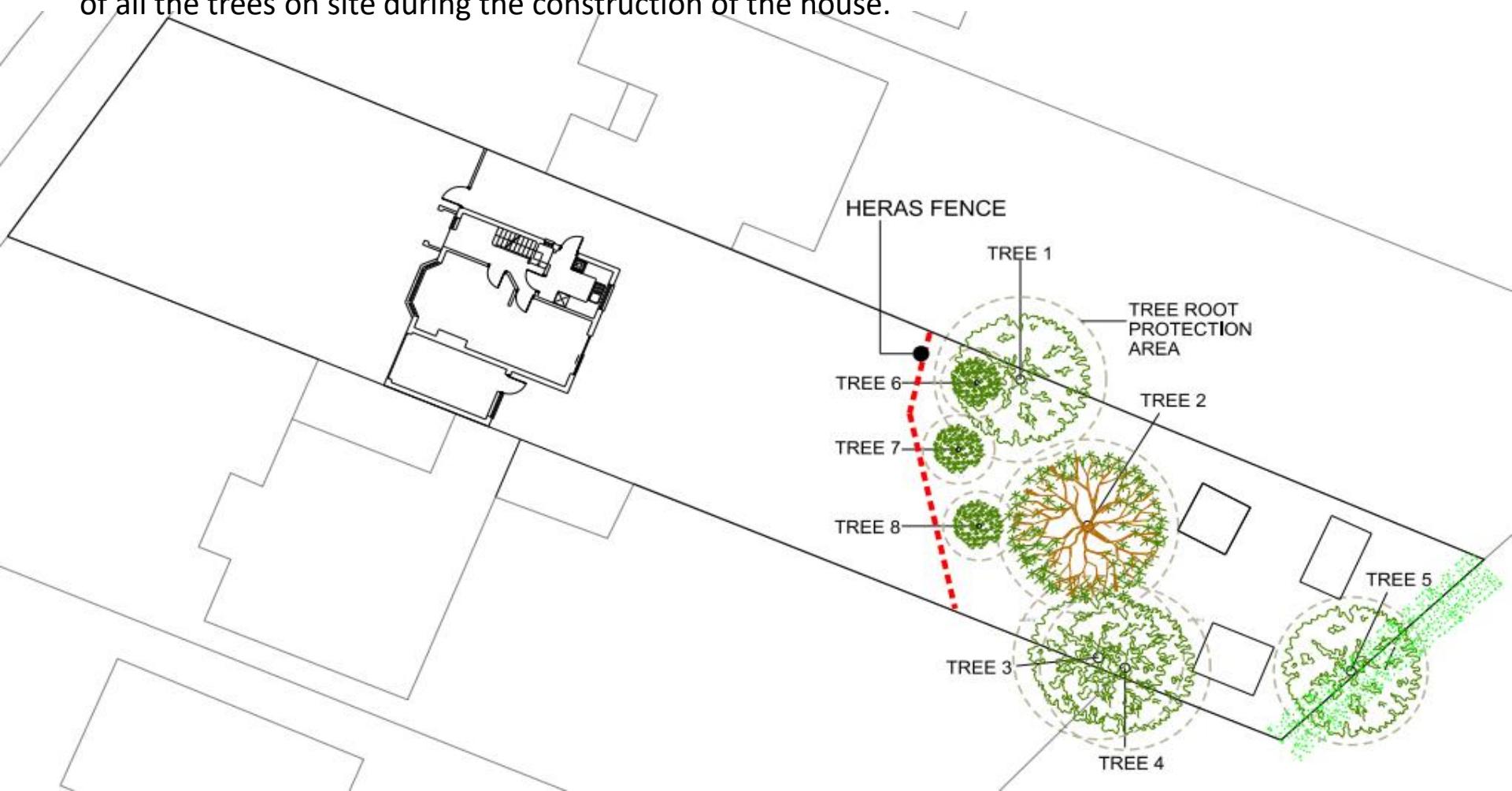


TREE	Bole Diameter mm	Tree Spread m	Tree Height m
TREE 1	400	7	14
TREE 2	500	8	17
TREE 3	400	5	12
TREE 4	400	5	12
TREE 5	400	6	13
TREE 6	200	2	4
TREE 7	200	2	4
TREE 8	200	2	4

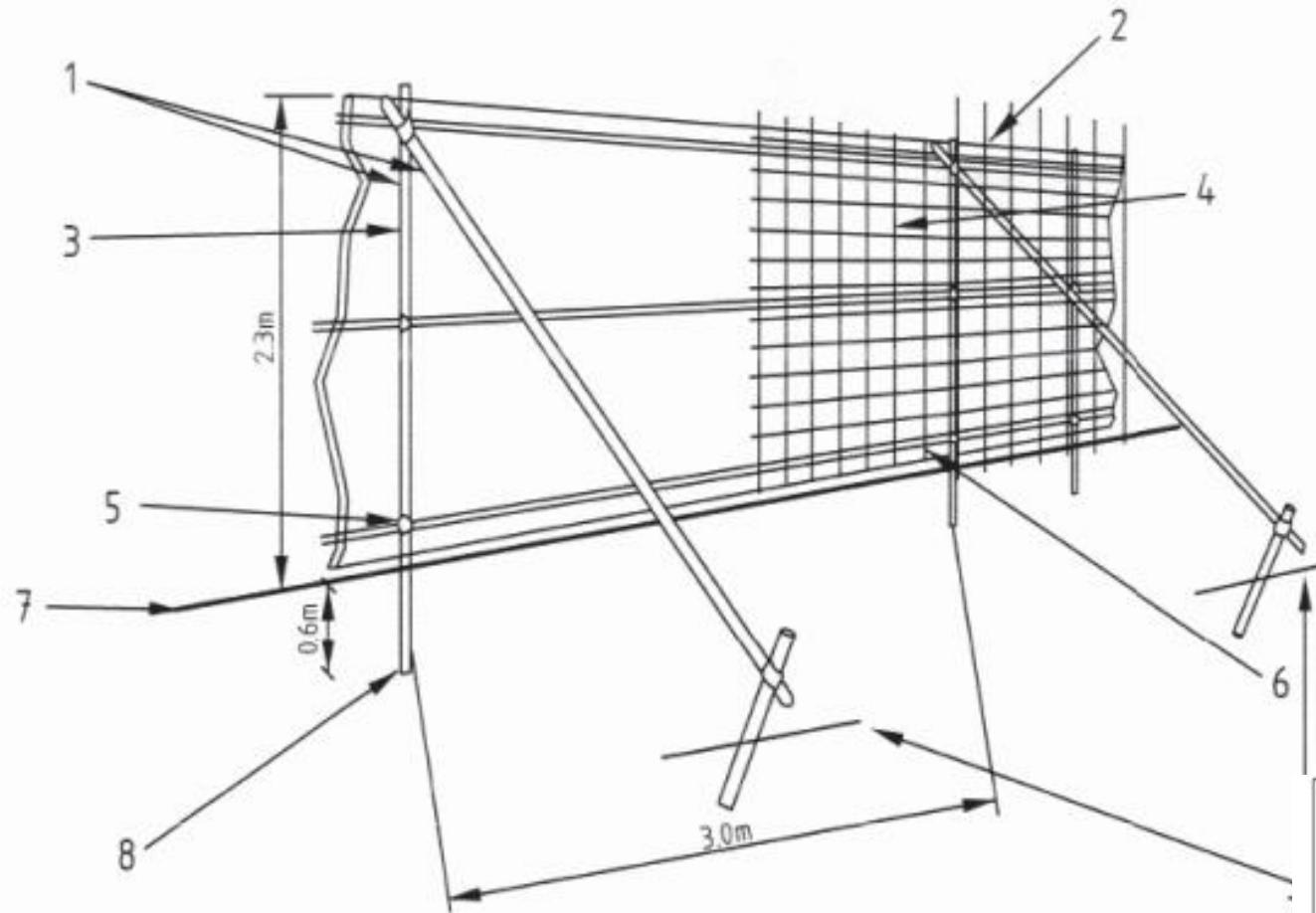
Tree protection measures

Tree protection is essential to successfully integrate the proposal into the surrounding natural environment. The roots of a tree help to keep it upright and healthy. Most of the roots are found on the top 600mm of soil and usually grow out further than the tree height. The tree health and stability can be adversely affected by even a minimal tracking of the soil near trees.

Heras fencing will be erected on site as demonstrated on the site plan below to insure the well being of all the trees on site during the construction of the house.



Heras Fencing



1 Standard scaffold poles

2 Uprights to be driven into the ground

3 Panels secured to uprights with wire ties and where necessary standard scaffold clamps

4 Weldmesh wired to the uprights and horizontals

5 Standard clamps

6 Wire twisted and secured on inside face of fencing to easy dismantling

7 Ground level

8 Approx. 0.6 m driven into the ground



Typical Barrier Construction



Typical Ground Anchor Method



Protected area signs

Tree protection fencing

Heras fence is 2.4m galvanised steel mesh panelled fencing with pre-cast bases.

For extra stability, scaffold poles are to be attached at a 45 degree angle on the tree side of the fencing and fixed into the ground by further scaffold poles firmed into the soil. There should be two support per panel.

All protective fences must be erected as illustrated above.

Once erected, barriers and ground protection will be regarded as sacrosanct, and will not be removed or altered without prior agreement of an arboriculturalist and approval of the local planning authority.

Barriers should be fit for the purpose of excluding constructive activity, and appropriate to the degree and proximity of work taking place around the retained tree. On all sites, special attention should be paid to ensuring that barriers remain rigid and complete.

Should any alternative method of barrier construction be proposed, consultation with the developer's arboriculturalist will be obtained to clarify the efficacy of the revised design prior to informing the local planning authority and obtaining their consent.

Specification for protection to existing trees: General

The recommendations in BS 5837: *Trees in Relation to Construction* must be complied with at all times.

No pruning, lopping, felling or severance of roots is to take place without prior consent of the local authority.

Any works to the existing trees are to be carried out by a fully qualified tree surgeon and in accordance with BS 3998 (1989) *Recommendations for Tree Work*.

The position and detail of the protective fencing must be agreed with the local authority prior to site works commencing.

Under no circumstances must any materials be stored under the canopy of existing trees, and no cement, diesel or oil stored near to them.

No fires should be lit within 5m of existing trees.

No ropes, cables, services, or notice boards shall be fixed to existing trees.

Scaffolding may only be erected within protected areas if it is done so in accordance with BS 5837 and with prior consent of the local authority.

No services under existing tree canopy spreads should be laid without prior approval and proper supervision. All work in this respect shall be in accordance with the specifications for trenching works within this Method Statement.

Work Procedure and Control Measures

All work to be carried out in accordance with the Health and Safety management documents following the risk assessments. Toolbox talks will be conducted every week in order to raise awareness of relevant Health and Safety issues. All the workers on site will receive site induction before starting the work.

Personal protective equipment (PPE like hard hat, hi-vis, gloves and glasses) will be worn at all times on site as per the task.

All operatives will receive training on manual handling techniques and work at height.

The work will be monitored and supervised by a qualified supervisor all the times. Only authorised personnel will be allowed access to the site.

All the work will be carried out by qualified or competent personnel

A compulsory sign and sign out policy for everybody including the visitors will be implemented.

Appropriate signage will be displayed around the site.

Work at height:

Work at height will be avoided whenever possible by using alternative equipment or work procedure.

Step ladder and ladders are only used when there is no alternative and only for a short period of time. Whenever possible access scaffolding, tower scaffold or MEWP to be erected and operated by PASMA trained operatives. All the equipment will be securely stored at the end of shift to avoid unauthorised use. Signage and barriers will be used to protect people below any overhead works to

Security:

The site boundary will be secured with a high fence and secured with a lockable entrance gates.

Unauthorised access will be deterred by displaying site warning signage. All workers and visitors will be required to sign in and out. Visitors will be accompanied at all times.

The entrance will be locked shut at the end of the shift everyday.

Daily inspections of the site will be carried out to look for signs of attempted access, gaps, missing signage or other security breaches and will be promptly addressed.

Plants and equipment

All the plants and equipment to be visually inspected before use. They will be maintained as per the manufacturer's recommendations. Any defects to be reported and taken care of immediately. Only trained personnel to use the plant on site. Site rules to be obeyed at all times. Plants to be immobilized at the end of use to prevent unauthorised access. Keys will not be left unattended with plants.

All current legislation and codes of practice will be complied with. Personnel with sufficient and suitable training and instruction will be allowed to use the plants and equipment on site. All equipment to be operated on 110V and any mains powered 240v equipment will be operated via a transformer at reduced voltage of no more than 110v.

Manual handling:

All manual handling will be minimised and mechanical aids used as much as possible. Operatives should not handle more than 25kg without assistance. Mechanical aids to be used to lift item heavier than 25kg.

Workspace:

The practice guidelines for clear and safe workspace will be followed to ensure safety from slip hazards, unauthorised usage and accidental contact.

Environmental:

Competent personnel authorised by appropriate authority will carry out any work that may result escape of pollutants into the atmosphere. Suitable barriers and warning signage will be positioned before any work that may cause environmental contamination.

External work:

External work will be stopped during extreme weather like rain, winds and snow. Operatives will wear appropriate clothing to protect from weather.

Demolition:

All existing services (Electrical ,Gas, Water) were disconnected from the house prior the commencement of the demolition work. Appropriate tools were used to remove and disposed into the skip. Mechanical equipment was used to demolish the structural member of the house.

Waste disposal:

All current rules and legislation regarding the prevention of environmental contamination will be complied with. Any contaminated or hazardous waste found on site will be handled and properly contained and disposed of by a specialist personnel.

First aid provision:

Welfare facilities will be provided in the site office. A first aid kit, accident book with a nominated first aider's name will be provided. The office will also be the rest area for the workers.

Toilet will be provided along the site office.

In the event of an emergency the nominated first aider will immediately call 999 for a major injury and 111 for others.

Monitoring:

The developer has agreed to undertake the measures advised in the Method Statement. Every contractor on site must receive a copy of the statement and abide by its contents. Various means will be used to monitor this activity like: inspections, checklists, meetings, audits, reviews and consultation. A regular inspections will be carried out and concerns highlighted so that they can be addressed appropriately and in timely manner.