

# Construction Management Plan

## Contents

Introduction .....	2
Risk identification.....	3
Site establishment.....	3
Construction management action plan .....	4
Project Specific healthy and safety .....	4
Demolition .....	5
Scaffolding.....	5
Training programs .....	5
First Aid .....	6
Fire and emergency procedures .....	6
Accidents reporting .....	6
COSHH assessments .....	7
Tree protection .....	8
Installation of protective barriers .....	8
Working with cement/concrete mixing .....	8

## Introduction

The Construction Management Plan (CMP) has been prepared in support of the Planning Application (planning condition 4) for the re-development of 'Grove Bay', Grove Lane, Hillingdon.

Description of development:

Two x 2-storey semi-detached, 2-bed dwellings with parking and amenity space and enlargement of vehicular crossover to front, involving demolition of existing bungalow.

## **Risk identification**

Proposed development is very small in size; no usage of heavy machinery is expected.

Machinery expected to be used – Mini excavators, dumpers, cement mixers and hand drillers.

- Causing safety hazard to pedestrians during material delivery
- Construction waste and noise
- Construction workers vehicle parking
- Site health & safety

## **Site establishment**

A solid hoarding will be erected to the front elevation of the site and along the boundary walls, with a personnel site entrance gate at the front. It will be painted and kept in a clean and tidy condition throughout the works. All hoardings/fencing will be regularly checked and maintained in a clean and tidy condition and signage will be positioned so it is clearly visible to warn members of the public of any potential hazards surrounding the site.

The site accommodation will be located in garden of 'Grove Bay', Grove Lane, Hillingdon.

The site will be maintained in a safe and tidy manner with the implementation of good housekeeping procedures regularly checked by our Health and Safety Advisor on fortnightly site inspections and be set up with temporary power, water and drainage throughout the duration of the works.

## Construction management action plan

The following sections outline the key elements for consideration. This document demonstrates our commitment to manage, control, and where possible mitigate our impact on the local community and infrastructure.

### Project Specific healthy and safety

IDENTIFIED H&S RISK	SUGGESTED CONTROL MEASURE
Hours of Working	<u>Normal construction site hours:</u> 8.00 am to 6.00 pm – Monday to Friday 8.00 am to 1.00 pm – Saturday No working on Sundays and Public Holidays
Noise and Vibration	Work in accordance with the recommendations of BS 5228- 1, Control of Noise at Work Regulations 2005 and the Noise Service. Noise Service and The London Borough of Hillingdon Construction Site Noise Regulations.  The contractor will consult with adjoining neighbours and agree, if possible, certain times of day when noisy work is minimized.
Asbestos	An asbestos survey will be carried out and any asbestos contaminated materials will be removed prior to commencement of any works on site.
Existing Services (Under-ground, Over-ground)	All existing services will be serviced prior to commencement of any works on site.
Existing Occupancy	The property will be unoccupied throughout the duration of the works.
Dust	All dust levels are to be kept to a minimum and where possible controlled at source by the use of dust suppression systems. Site operatives are to wear suitable PPE/RPE where the levels of dust cannot be controlled ensuring exposure is well within legal limits.
Work with Ionising Radiation	We do not anticipate any hazard from ionising radiation; however any activity involving the release of ionising radiation will be notified and carried out in accordance with the HSE approved code of practice.
UV protection	UV protection from the sun is provided indirectly by the site rules requiring safety helmets and appropriate clothing with no shorts or bare tops. If necessary additional guidance will be provided in accordance with the HSE approved guidance.
Control of lifting operations	Our lifting operations procedures are contained within our <b>HS1-02_ H&amp;S Policy_ Responsibilities and Arrangements_ Nov_2010 item 2.22</b> document. Specific lifting operations will be controlled through risk assessments and method statements.

Work in excavations and poor ground conditions	Our health and safety procedures for work in excavations and poor ground conditions will be controlled through risk assessments and method statements appropriate to the specific situation and will be in accordance with the HSE approved guidance.
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## Demolition

Before any work commences on site an asbestos survey will be undertaken and if any asbestos is found this will be removed following the guidelines set out in Parts 1, 2 and 2 of BS 8520.

The works will be undertaken in accordance with the London Borough of Brent hours of permitted working as below:

- Monday to Friday – 8am to 6pm
- Saturday – 8am to 1pm
- Sunday and Public Holidays – no working

Throughout the demolition works we will endeavour to comply with the guidance provided in BS 5228: Parts 1 and 2 (1984) and part 4 (1986) with regard to noise control during construction and wherever possible use methods to minimise disruption to our neighbours.

## Scaffolding

Scaffolding will be erected during construction of first floor brick work and roof construction, all within the site boundary.

No interruption to use of pavement outside 'Grove Bay', Grove Lane, Hillingdon

## Training programs

### INDUCTION

Prior to any person commencing work on site all workers/sub-contractors to receive Health and Safety Induction Training. Record maintained all induction training provided.

### RISK MANAGEMENT

All persons associated with site activities which create significant risk of injury will be specifically briefed in the hazards and control measures applicable to the safe system of work. A record will be maintained of the briefing/training.

### SPECIFIC TRAINING

All persons employed as plant operators, scaffolders, etc. will be trained to an appropriate training standard, either a CITB Certificate of Training Achievement or equivalent scheme.

## TOOL BOX TALKS

Tool box talks will be given to instruct and train employees and sub-contractors on specific site tasks as and when necessary. These tool box talks will be recorded and a record maintained on site.

## WELFARE FACILITIES

Welfare arrangements for this project are as follows:

- Mess room
- Boiling water
- Toilets
- First Aid

The welfare arrangements are explained to all personnel at induction training.

## First Aid

A suitably equipped First Aid Box, with eye washing solutions, made available on site at all times together with a trained First Aid provider. First aid facilities will be assessed and provided as per the Health and Safety (First Aid) Regulations 1981 and a suitable First Aider to remain available throughout the contract.

## Fire and emergency procedures

Site notice board displayed at appropriate locations will be provided with an Emergency Contacts notice which will provide details of:

- The person responsible for emergency contingencies.
- The procedure for calling Emergency Services.
- The telephone number of the local Hospital, Doctor, Police Station, Gas Board and Electricity Board.
- The name and location of First Aiders.

The Site Manager responsible for Emergency Arrangements and Muster Point arrangements will bring this to the attention of all persons at Induction Training.

Site fire plan to identify the proposed fire escape routes and how to raise the alarm. Fire extinguishers provided on site.

## Accidents reporting

Procedures for investigation and reporting of accidents implemented on site.

All accidents investigated and action taken to prevent a recurrence. This includes accidents or incidents involving injury, ill-health and property damage. The depth of the investigation and nature

of the report will depend upon the severity and complexity of the accident.

Accident investigation and reporting will be carried out by Site Management/site safety advisor.

Through induction, pre-start meetings and by issue of Health and Safety Conditions for all persons on site are informed of the procedures for accident reporting.

## **COSHH assessments**

Where harmful substances cannot be substituted with less harmful substances, each sub-contractor will be required to maintain and issue a register containing all harmful substances that they intend to use on this project.

For each hazardous substance or process identified, the sub-contractor responsible shall produce a task specific COSHH Assessment and issue a Material Data Sheet for the substance. These will be maintained within the project office.

When using hazardous substances the sub-contractor must provide evidence that the findings of each COSHH Assessment has been communicated to their operatives and those affected by the use. These records will be maintained within the project office.

For the usual activities involved in the construction projects the company has carried COSHH Assessments which are included in the Site File. External Health and Safety Advisors will be responsible for carrying out further COSHH Assessments as required for any additional substances used on the project.

## Tree protection

### Installation of protective barriers

An Root Protection Area (RPA) is defined in BSI 5837 (2012) as “the area surrounding a tree that contains sufficient rooting volume to ensure the survival of the tree”.

All damage types to the RPA can be avoided through the establishment of Construction Exclusion Zones (CEZ) with the use of protective fencing. The use of a CEZ prevents or limits RPA incursion by segregating all trees vulnerable to construction activity.

The barriers used to secure the CEZ must be installed prior to commencement of any construction activity. Once erected and secured the exclusion zone must not under any circumstances be altered or removed without advice from the arboriculture's and/or approval of the local planning authority. BS 5837:2012 recommends weld mesh (Heras)-type panels secured firmly to a scaffold framework (scaffold clamps are recommended) and braced with diagonal stabilizer struts all secured to the ground with metal pins, see Appendix B. There will be a need to place part of it on the flagged terrace and the majority of it on the lawn and this section will need to be inserted firmly into the ground.

NOTE: In the event the fencing becomes damaged it must be repaired or replaced as soon as is reasonably practicable to preserve its efficacy.

Only once the protective fencing is in place and secured, (as well as any other protection measures detailed below) may construction commence. The fencing will remain in place and secured until such time that all construction is complete, and materials/equipment have been removed from the site.

### Working with cement/concrete mixing

Where concrete footings and other structures cast from concrete below ground level near to root systems of retained vegetation is required, the incorporation of protection (e.g., sheathing with an impermeable membrane such as heavy-grade polythene sheeting) is extremely important to prevent it coming into contact with roots.

It is also important not to mix concrete or dispense of concrete in the vicinity of trees in order to avoid the risk of it leaching into the soil. This is to be avoided within 5 metres of the RPA of any tree.

Additionally, regardless of the presence of trees, the integrity of the ground must be protected for future planting.