

# **CITY BUILDING (D&Z) Limited**

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## **465 Finchley Road Underpinning Method Statement**

## **INTRODUCTION**

This Method Statement has been prepared on behalf of City Builders Ltd to assist the works being undertaken and to be read in coordination with the Engineers Drawings and, in support of the building regulations application by Milan Babic Architects if required.

The Method Statement will form part of the contract requirements.

## **METHOD**

1. Using the sequence of section on Drawing No. 0422-01, excavate under the existing party wall to the level of the proposed new underpinning foundation base.
2. As shown on the Engineers Drawing, the maximum length of excavation must not exceed 1.0 m lengths. No adjacent excavations can be carried out until the adequate time has elapsed for the hardening/curing of the concrete mix.
3. The concrete mix should be a C30 mix. All concrete must be mixed in accordance with the Manufacturers details.
4. The Contractor is to construct a shutter line to either side of the 1.0 m length of excavation, in order to provide a clean face once the concrete has hardened.
5. Prior to pouring the concrete, the excavation must be cleaned out, i.e. all loose stratum to be removed.
6. The shuttering must include a 75 x 50 timber noggin, to the full height of the shutter, in order to create a plug between the consequent underpinning pours.
7. Once the shuttering is in place, the concrete should be poured under head and vibrated into place, in order to ensure that the shuttered section is fully filled.
8. If the contractor chooses not to install the noggins, then when the pocket of underpinning has been poured and hardened and the adjacent excavation is carried out. 2 No. T10 bars (800 mm long) must be resin fixed into the hardened underpinning, with an embedment of 400 mm, leaving a protrusion of 400 mm into the excavation area. The 2 No. T10 bars are to be placed within the middle height of the underpinning.
9. Excavation areas must not, at any time, make up more than 30% of a full length of wall, until the holes have been filled and the required curing time has elapsed, as detailed by the concrete manufacturers recommendations.
10. Once all underpinning has been carried out, construct remainder of ground floor.

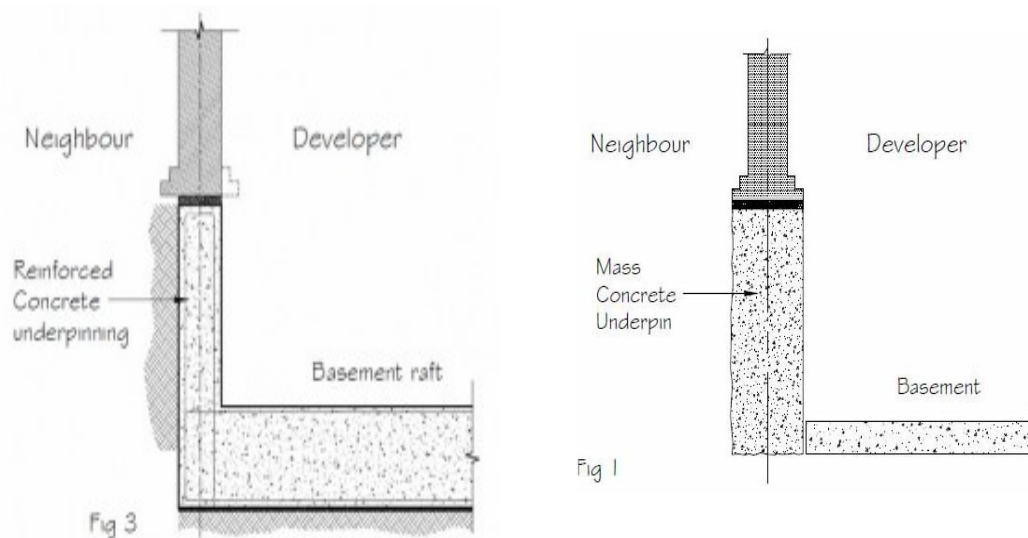
## HEALTH AND SAFETY CONSTRUCTION

All work is to be carried out in accordance with the above Regulations. The Client shall appoint a competent person as Planning Supervisor and a Health and Safety Plan prepared before a Contractor is appointed.

Designer's Risk Assessment analysis shall be supplied to the Planning Supervisor. The project must be notified to HSE. The Contractor shall develop the Health and Safety Plan and ensure all works on site comply with Health and Safety Law.

All materials and construction works are to comply with current BSI Standards and Code of Practice, Building Regulations and Schedules and Specifications. All materials and proprietary goods shall be stored, mixed and fixed in accordance with their suppliers/manufacturers instructions or specifications.

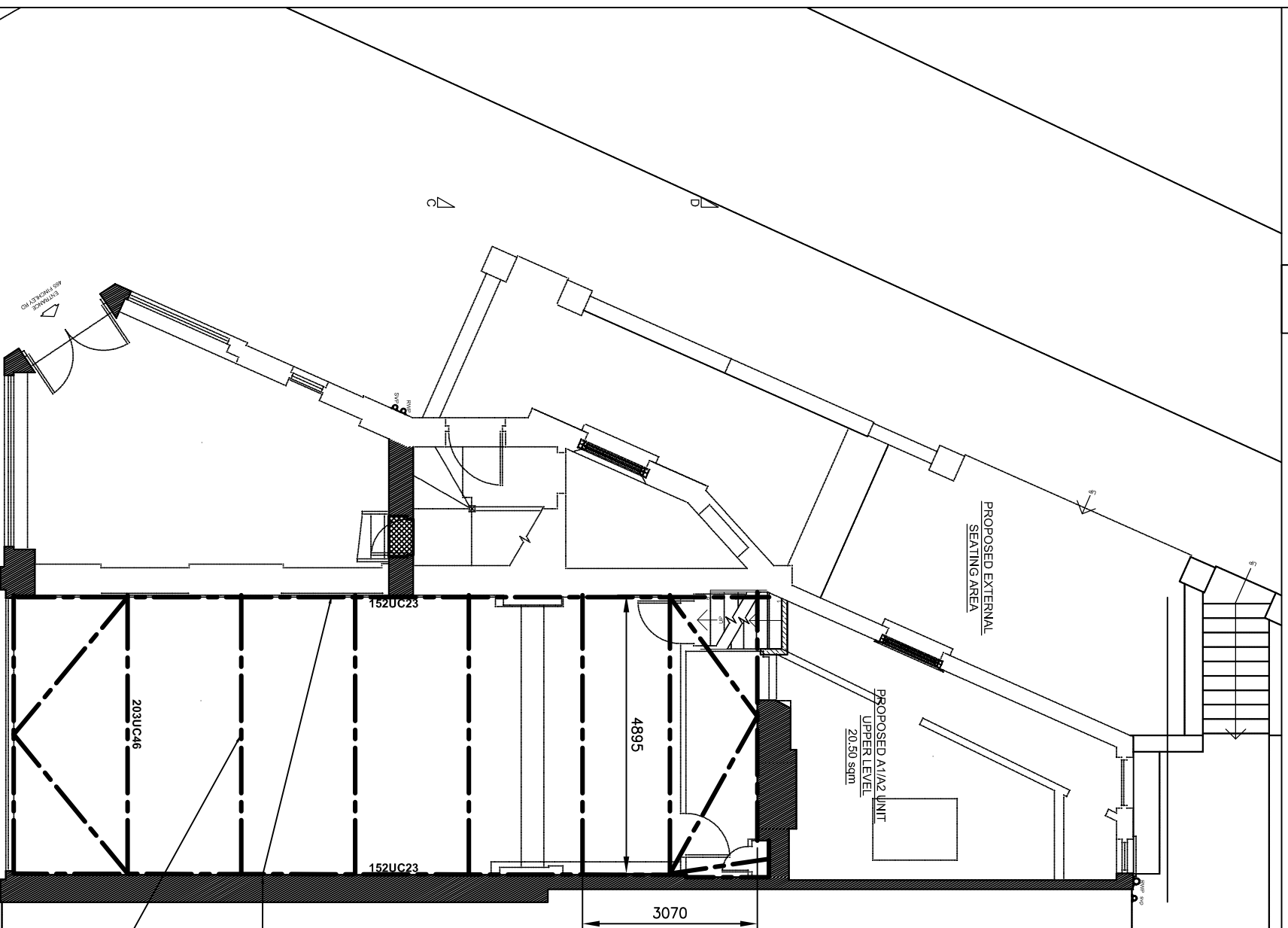
The contractor shall take account of everything necessary for the proper execution of the works to the satisfaction of the Inspector, whether or not indicated on the specified drawings. The Designer is responsible for the design any further information or confirmation must be directed to the designer.



Typical Details

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.  
DO NOT SCALE FROM THIS DRAWING.  
CONTRACTORS TO CONFIRM ALL DIMENSIONS ON SITE.  
ALL DRAWINGS MUST BE READ IN CONJUNCTION WITH  
THE ARCHITECT'S DRAWINGS.

**ALL EXPOSED STEEL WORKS  
ARE TO BE TREATED WITH  
BRO STEEL INTUMESCENT (OR  
SIMILAR) FIRE PROTECTION PAINT  
TO ACHIEVE A MINIMUM OF 1  
HOUR FIRE RATING, DATA FILM  
TEST (DFT) OF 2.5 MM.**



EXISTING GROUND FLOOR PLAN SHOWING  
TEMPORARY STRUTTING TO EXISTING FOUNDATION

BEAM TO BE BOLTED  
TO EXISTING  
FOUNDATION JUST  
OUTSIDE OF  
WITH RESIN ANCHOR  
BOLTS @ 500 CENTERS  
OR USE THE MABEY  
STRUTS SYSTEM OR  
SIMILAR

203UC46 STRUTS WITH  
10MM END PLATES AT  
2000 CENTERS BOLTED  
WITH 2NO. GR0.8 M16  
COLTS WITH A MIN OF  
200MM END PLATES  
TO THE 152UC23 BEAM

**NOTE**  
CONTRACTOR TO  
CONFIRM ALL  
DIMENSIONS ON  
SITE

CONTRACTOR TO  
UNDERSTAND  
THAT THIS  
TEMPORARY  
STRUTTING IS TO  
ALLOW THE  
CONSTRUCTION  
OF THE  
UNDERPINNING  
AS SPECIFIED BY  
THE PREVIOUS  
ENGINEER  
FOLLOWING THE  
SEQUENCE OF  
WORK PROVIDED  
BY THEM. ON NO  
ACCOUNT  
SHOULD THE  
EXCAVATION  
COMMENCE  
WITHOUT  
COMPLETING THE  
UNDERPINNING  
AND PUTTING  
ADEQUATE  
STRUTTING/SUPPORT  
/PROPS AS THE  
EXCAVATION  
PROGRESSES

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Site Address / Contact Details :  
**465-467 FINCHLEY ROAD  
LONDON  
NW3**

Drawing Title:

GROUND FLOOR PLAN-  
TEMPORARY STRUTTING TO EXISTING  
FOUNDATION

Drawing Status:

Client:

Site ref:

150903

Scale: 1:7.5@ A3 Drawn: SO  
Date: SEPT' 15 Ckd: App: Date:  
Drawing No: 150903/001 Rev: