

12 Keats Grove London NW3

Project File Note

New Side Extension Foundations

The new extensions have a finished floor level that is about 1m below the lower ground floor within the existing house, and approximately level with the formation level of the existing house footings. These footings will be underpinned with traditional shallow concrete underpinning to allow the new basement to be formed.

The underpinning will be dimensioned so that the soil bearing pressure under the footing is as existing; while allowing for the additional load on the existing walls as the current roof is replaced by a new floor and roof. The modest change in formation level of the house footings will be within the same bearing material.

The new extension and the house are both supported on the same new foundation and no differential settlement is expected between the existing house and the new extension as both are supported on the new underpinning.

Prepared by:
Job Number:

Paul Toplis MA FStructE MICE
28412
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