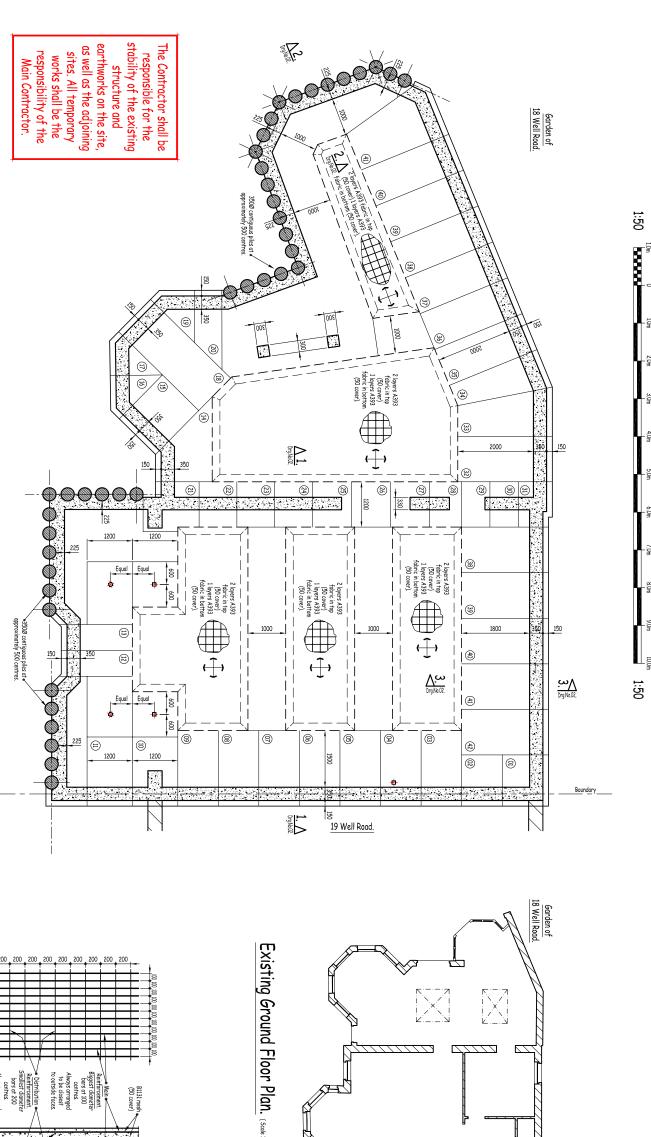


APPENDIX 1

STRUCTURAL DRAWINGS



Proposed Basement Plan Showing Proposed Underpinning Plan

Underpinning Notes

The underpin numbering is for identification purposes

The sequence of underpinning should follow the traditional 1, 4, 2, 5, 3 pattern.

The Contractor is to provide alrowings marked up, to show their proposed sequence, for the Engineer to approve, a minimum of 14 days before work is commenced.

Provide corner bors in under priming stems, to ensure mesh reinforcement is held in place, during concreting.

All neutrons

oncrete cast on the ground shall be placed on 50mm. GEN 1 concrete

Reinforcement Note Wall and Fornaction reinforcement shall be continuous. If loose bars are used to provide continuity The area of loose bars shall not be less. than the area for feriforcement specified. Laps shall be not less than 45 times the lesser bar diameter.

Concrete mix for foundations shall be a RC35/45 mix with a minimum Ordinary Portland cement content of 320kg/m³, and a maximum water/cement ratio of 0.50 Concrete shall for at least 48 hours before dry packing.

the reinforcement shall be as detailed on the drawings but

hiars have been designed to impose a net bearing pressure of £28kV/m². Inaid Grevel, or depths shown. The bearing strata shall be approved by the uthority's Sullidia prospector, before largin birding, or casting fruendrions, trained secondarion shall be replaced with a £6kV concrete mix. But in the features we additional examples to the program of the Engineer must be relay and fresh instructions obtained.

Tension Lap Lengths for Reinforcement

10mm. Ø = 450mm. 12mm. Ø = 540mm. 16mm. Ø = 720mm. 20mm. Ø = 950mm.

U13.

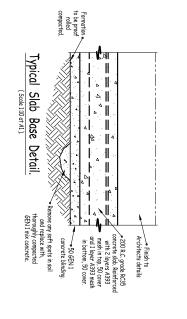
Services The Contractor is to carry out a survey of the property and adjacent areas, to establish the location of abstructions, such as service runs or donies. Any obstructions found are to be brought to the arteriot of the Architect and Engineer. The Contractor is to allow for any temporary support to the services or obstructions during the underprinning.

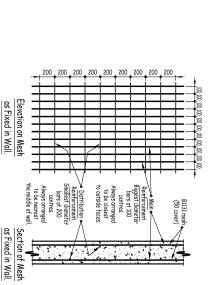
ation shall be to the depth and width shown on the drawings onts are encounted, new underpris are to extend 600mm. any root activity. The sides of the excavation, shall be propped to prevent subsidence or slip of the soil faces

It necessary backfilling behind retaining walls shall be a 1:20 mix, using Ordinary Portland Gement. The central area of excavation shall not be carried out until the perimeter underpinning has been completed.

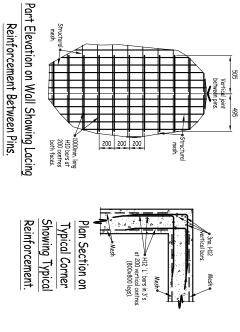
The underside of the existing wall or foundation shall be trimmed and cleaned of all mad and debris, before dry packing. The dry pack shall be a 1.3 mix and well rammed in horizontal layers, not exceeding 75mm thick, Dry packing shall be left. 24 hours before works are commenced on adjacent underprins.

m depth of the underpinning, (measured from the underside of the orting, to the underside of the new), shall be 800mm, and shall be ostrata, capable of sustaining a permissable net ground pressure of on sand and gravel.





in Walls. i.e. Mesh Prefixed with the letter 'B' e.g. B Important Note with Reference to the Fixing of Structural Mesh 1131 or B785 etc.



Notes

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All dimensions are in millimetres unless otherwise noted.
 Do not scale off this drawing.

Structural Steelwork Notes.

I correctly all structural steel shall be grade \$335 and shall be in accordance with the National Specification for Structural Steelwork and Inecessory aspects.

2. Steelwork connections shall comprise not less than 4no. All 5 grade 8.8 boths for all other members. Except where otherwise shown on the drawings. Where connection loads are provided by the Engineer. The steelwork contractor shall assign connections, which will be salighed to comment by the Engineer.

The steelwork contractor shall assign connections, which will be salighed to do connect by the Engineer.

3. Stell boards shall or least have the minimum bearings on masonry walls as shown on the drawings. Where no details of bearings are shown, provide bearings to the full width of the supporting leaf, padstne or 100mm whichever is the greater.

4. Steel columns bases shall be levelled using sown steel packs, not less than 75mm, square. Allowance shall be made for mannial 25mm, thickness of grout between the column baseplates and foundations/massing supports. For dris fall take the form on neat cement shurry with a non shrinki additive and should be just fluid enough to pour.
5. All structural steelmonk shall be blast cleaned to 8.5.70799/barr AI perparation grade to AR.5 and except where specified as glorinesed, shall be punkted with a suitable good qualify high full dipony ninc phosphar where specified as glorinesed, all the punkted with a suitable good qualify high full dipony ninc phosphar where specified and yffin histopass of not less than 75 microsk. A pre-fabrication primer may be use of the fabrication startestion. The Contract shall persentant the primer used is compatible with subsequent contings specified by others (e.g. intumescent point).

19 Well Road.

Steelwork specified as galvanised shall be blast cleaned as above and hot dip galvanised to 8.5.729
 Minimum coating thickness 85 microns.

7. All steelwork below d.p.c. level or built within the masonry wall cavity, shall be site pointed with a compatible high build epoxy since phasphate primer, to provide a dry film thickness of not less than 125 microns, to achieve an evental primer activity of 200 microns is Leighs parts Epiging AQOD Zinc Charles Primer/Buildcoat or equal. Steelwork below d.p.c. shall be encised in not less than 100mm. of concrete, not weaker than specified on the drawings.

8. Steelwork contractor to conscionate with the Main Contractor to provide adequate bracing during the sequence of erection.

9. Fire protection to steel to Architects details.

1. Generally all structural concrete works to be in accordance with the National Specification for Concrete in all necessary aspects.

2. Concrete mix for foundations shall be a RC35/45 mix with a minimum Ordinary Partition cement content of 330/49 mix and anomalium water/cement ratio of 0.50.

3. All concrete below ground level. (slabs, walls and foundations), to be desired for a design sulphate class of 0.54.

 No admixtures, of any form, to be added to the concrete, without the written permission of the Structural Engineer. It is STRECTLY forbidden to add water to premixed concrete on site.
 Site batching of concrete to be approved by the Engineer before its use. Under no circumstances is concrete to be poured, if expected temperature within the following 24 hour period is expected to be 5°C or less.

:100 at A1).

1. Refer to Architects drawings and the specification for mesonry requirements, in respect of acoustic, thermal insolution and durability requirements. The Engineer shall be notified immediately if conflicts with the structural requirements.

2. Blackwark below ground level to have a minimum compressive strength of 7.3 N/mm² and to be set in 13.3 cement-sand mortary. All blackwark to be solid, unless specified otherwise on the drawing and is to comply with 8.56283 table 4. Requirements for Special Category Manafacture.

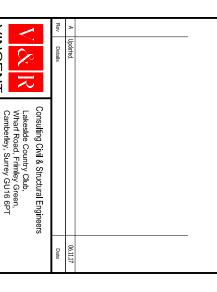
3. Brickwark below ground to have a minimum compressive strength of 30 N/mm² and is to comply with 8.55282 Requirements for Special Category of Manafacture.

3. Brickwark below ground to have a minimum compressive strength of 30 N/mm² and is to comply with 8.55282 Requirements for Special Category of Manafacture.

 Martar designation as follows: - Above d.p.c. Martar Designation III.
 Below d.p.c. Martar Designation II.
 Refer to the Architects drawings for details of d.p.c. 3, d.p.m. 3 waterproofing and insulation. Linites

External walls: Provide proprietary lintels as specified on the drawings or equivalent approved by alternative manufacturer.

Internal Walls: Provide proprietary 16 Box Limfel to loadbearing internal walls as specified on the drawings or equivalent approved by afternative manufacturer. Provide proprietary 16 internal limital to small opening in non loadbearing blockwork walls or equivalent approved by afternative manufacturer. It is steel limitels to be fully galvanised and have a minimum 150mm, bearing to each end unless noted.



London NW3	20 Well Ro
1W3 1LH	ll Road,

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Basement Plans Showing

Oct. 2017 Underpinning Layout 17J02 01

1:50 1:100 1:10 1:25

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