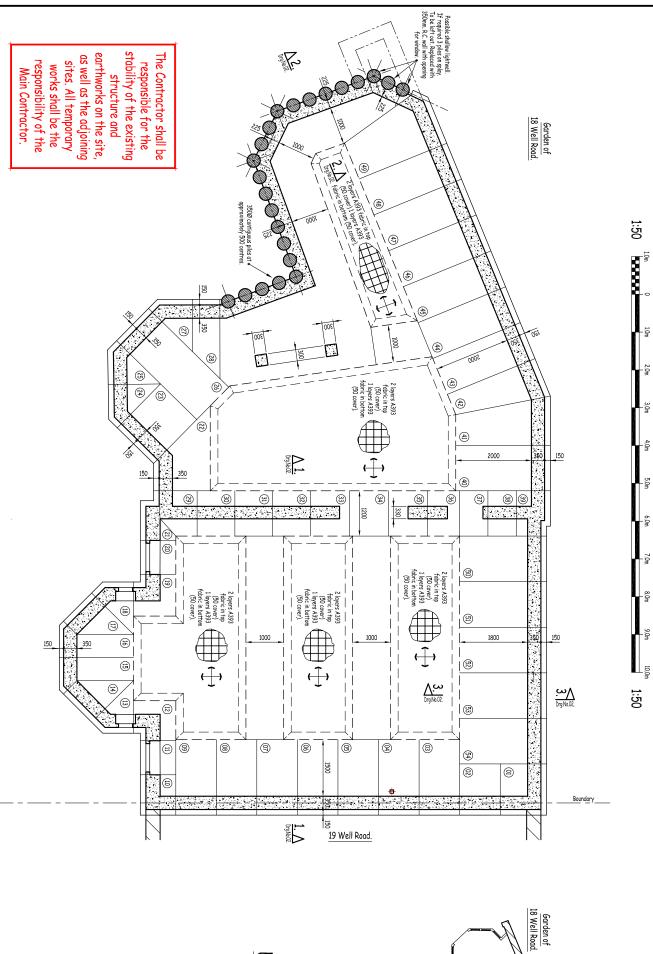


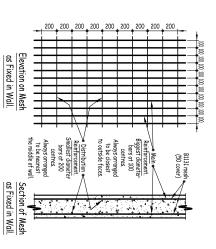
APPENDIX 1

STRUCTURAL DRAWINGS



Existing Ground Floor Plan. (Scale)

:100 at A1).



in Walls. i.e. Mesh Prefixed with the letter 'B' e.g. B1131 or B785 etc. Important Note with Reference to the Fixing of Structural Mesh

Underpinning Notes

The underpin numbering is for identification purposes

Proposed Basement Plan Showing Proposed Underpinning Plan.

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.

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

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.

he 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.

Reinforcement Note

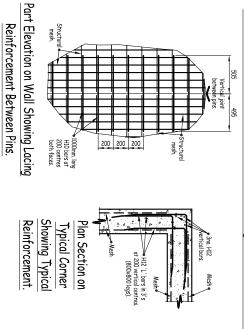
Wall and Fornaction reinforcement shall be continuous.

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 slab. Reinforced with 2 layers 4893 mesh in top, 50 over and 1 layer 4393 mesh in bottom, 50 cover.

Architects details

concrete blinding.

Notes

This drawing remains the copyright of Vincent and Rymill and is not to be copied, altered or changed without permission.
 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 boses shall be levelled using sown steel packs, nor less than 75mm, square. Allowance shall be made for maniful 25mm, thickness of grout between the column baseplates and foundationed massing supports. Found shall lake the form on near cement sturry with a non-shrink additive and should be just filled enough to pour.
5. All structural steelwark shall be blast cleaned to 8, 5,7079-9amt AI perparation grade 5A2.5 and except where specified as goldmised, shall be painted with a suitable good qualify high build apony ninc phasphar primar. To provide a dry film histories of not less than 75 micross. A pre-fabrication primar may be use of the fabrications discreption. The Contracte shall exserted the primar used is compatible with subsequent contrigs specified by others. (e.g. intumescent paint).

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 dp.c. level or built within the masonry wall conity, shall be site pointed with a compatible high ball spoop since phasphate primer to provide a dry film thickness of rot itses than 125 micross, to achieve an overall primer certing of 200 micross, i.e. Judy's points Egipty C400 Zine. Phasphate theme? Ballocat or pagal. Steelwork balbed up, shall be encased in not lessthan 100mm, of concrete, not weaker than specified on the drawings.

8. Steelwork contracts no coordinate 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 necessory aspects.

2. Concrete in Considerations shall be a RC35/45 mix with a minimum Ordinary Partiand cement content of 300 grant and a movimum 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 DS-1.

SEC.

Under no circumstances is concrete to be poured, if expected temperature within the following 24 hours
period is expected to be 5°C or less.

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.

1. Refer to Architects drawings and the specification for masonry requirements, in respect of acoustic, thermal issolation 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 cements and mortan. All blockwark to be solid, unless specified otherwise on the drawing and is to comply with 8.5.5628 to block A. Requirements for Special Category Manufacture.

3. Brickwark below ground to have a minimum compressive strength of 30 N/mm², and is to comply with 8.5.628 Requirements for Special Category of Manufacture.

 Mortar designation as follows: - Above a.p.c. Mortar Designation III.
 Below d.p.c. Mortar Designation II.
 Before to the Architects drawings for details of dp.: s, dp.m.'s 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.

	Rev D	A Updated.	B Light	C Upda	[
& R	Details	ted.	Lightwell revised.	ted to show existing (
Consulting Civi LakesIde Cou Wharf Road,				Updated to show existing Ground Floor as concrete	

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London NW3 1LH 20 Well Road,

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 of some encounted, new underprins are to extend 600mm. any noot 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 clasmed of all mud and debris, before dry packing. The dry pack shall be a 13 mix and well rounned in horizontal layers not exceeding 75mm tribe. Dry packing shall be left. 24 hours before works are commenced on adjacent underpins.

Tension Lap Lengths for Reinforcement

Formation • to be proof rolled compacted.

Typical Slab Base Detail.

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

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

Basement Plans Showing

Underpinning Layout

2

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

Oct. 2017

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