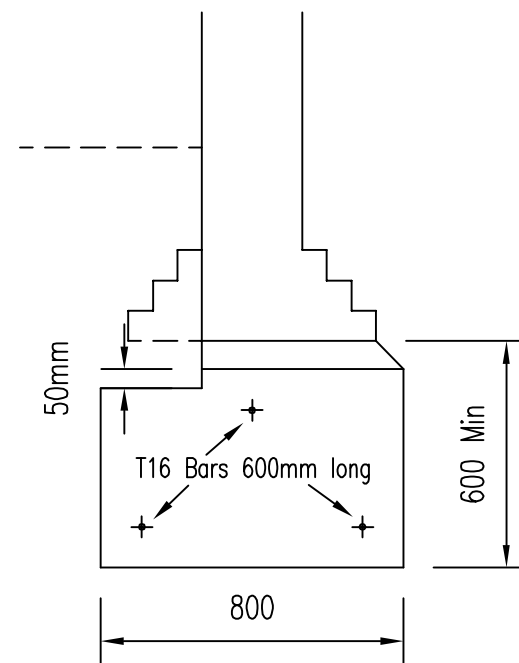


PROPOSED UNDERPINNING PLAN

UNDERPINNING METHOD AND SEQUENCE

- A - Excavate bays numbered "1" on plan maximum 1.0m in length to minimum depth shown or to achieve 500mm thickness of concrete whichever deeper
- B - Insert continuity bars into soil each side
T16 Bars @ 600c/c 600mm long pushed into clay 300mm each side
- C - Concrete the bay leaving 75mm gap for dry packing and allow to cure for 24 hours - Concrete to be grade C20P to BS 8110 or to have 50kg cement to max 0.1m³ Fine Aggregate and max 0.2m³ Coarse Aggregate
- D - Strike shuttering if provided and Dry Pack - Not Exceeding 75mm thick completed not less than one day after concreting
3:1 Sand Cement rammed in with 50x50mm Hardwood
- E - Repeat for bays numbered 2, 3, 4 & 5 in strict order. Any change in order is to be agreed with the engineer beforehand
Ensure at least 3 days between dry packing and excavation of an adjacent bay



SECTION - 1:20

PROGRAM for UNDERPINNING ... Continued

- 18 - Prepare area for front lightwell - temporary works/hoarding etc - Allow 2 or 3 days
- 19 - Dry Pack bays marked 5 on 2nd or 3rd day of item 18 above
- 20 - Excavate for front lightwell installing temporary works as work proceeds - Allow 2 weeks
- 21 - Blind excavations and install reinforcement for slab/toe & kicker Allow 2 or 3 days (including inspection by engineer)
- 22 - Provide shuttering to kicker & concrete slab/toe & kicker - Allow 1 day
- 23 - Rest day to allow concrete to cure - Prepare stem reinforcement - Allow 1 day
- 24 - Install reinforcement and shuttering for stem - Allow 1 day
- 25 - Concrete stem and allow to cure for 24 hours - Allow 2 days
- 26 - Strike shuttering and back fill as required - Allow 1 day
- Total Working Days for Underpinning & Light Well = 36 - 43 days or 7 to 8 weeks therefore underpinning and lightwell should be completed 15 to 18 weeks into the contract

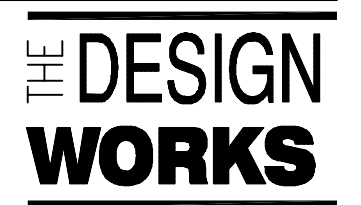
PROGRAM for UNDERPINNING

- 01 - Party wall notices to be served - Allow 8 - 10 weeks for issuing of Party Wall Awards although this could be reduced if adjoining owners consent
- 02 - General stripping out, site clearance and site set up - Allow 1 week
- 03 - Other building work not subject to Party Wall Agreements to be carried out pending Party Wall Agreements
- 04 - Excavate underpinning bays marked 1 - Allow 2 or 3 days
- 05 - Concrete all bays marked 1 - Allow 1 day
- 06 - Excavate underpinning bays marked 2 - Allow 2 or 3 days
- 07 - Dry Pack bays marked 1 on 2nd or 3rd day of item 06 above
- 08 - Concrete all bays marked 2 - Allow 1 day
- 09 - Excavate underpinning bays marked 3 - Allow 2 or 3 days
- 10 - Dry Pack bays marked 2 on 2nd or 3rd day of item 09 above
- 11 - Concrete all bays marked 3 - Allow 1 day
- 12 - Excavate underpinning bays marked 4 - Allow 2 or 3 days
- 13 - Dry Pack bays marked 3 on 2nd or 3rd day of item 12 above
- 14 - Concrete all bays marked 4 - Allow 1 day
- 15 - Excavate underpinning bays marked 5 - Allow 2 or 3 days
- 16 - Dry Pack bays marked 4 on 2nd or 3rd day of item 15 above
- 17 - Concrete all bays marked 5 - Allow 1 day

REV A - Underpin base detail revised
REVISIONS

05/06/2018
DATE

**Architectural
Design & Planning**



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TITLE
UNDERPINNING PLAN & SEQUENCE

ADDRESS
28 KYLEMORE ROAD
LONDON NW6 2PT

CLIENT
COBSTAR Ltd

SCALE
1:50 & 1:20 @ A3 DATE
AUGUST 2017

DRAWING No. 170130/07

REV. A