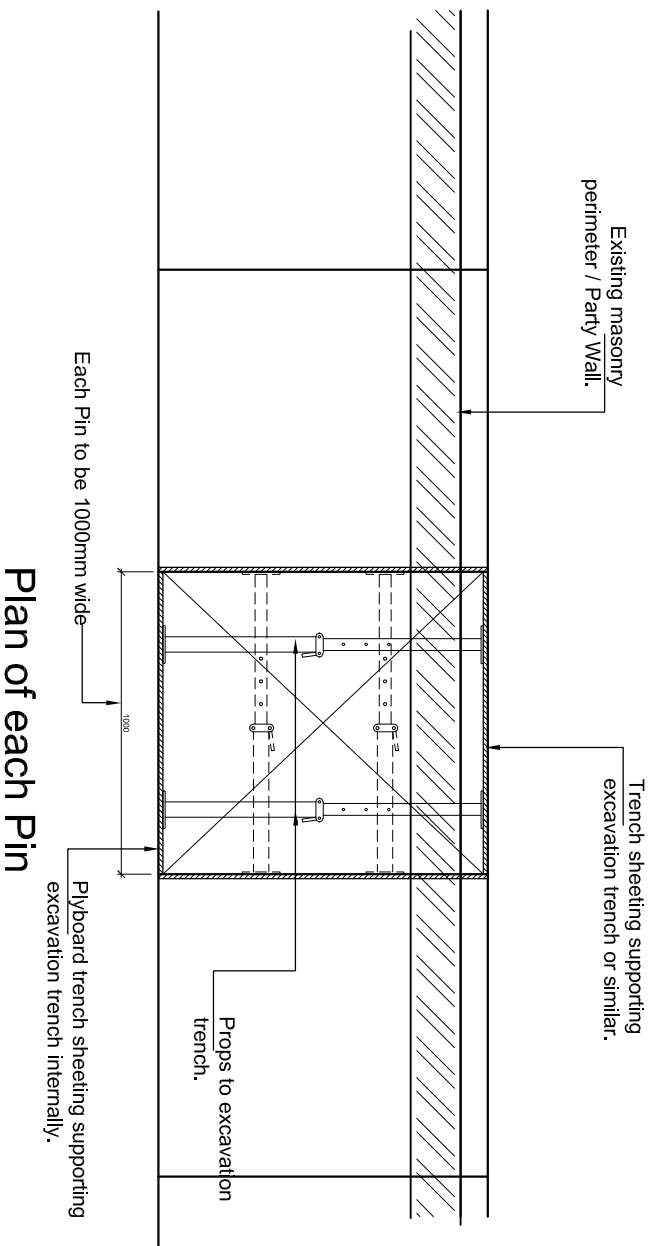
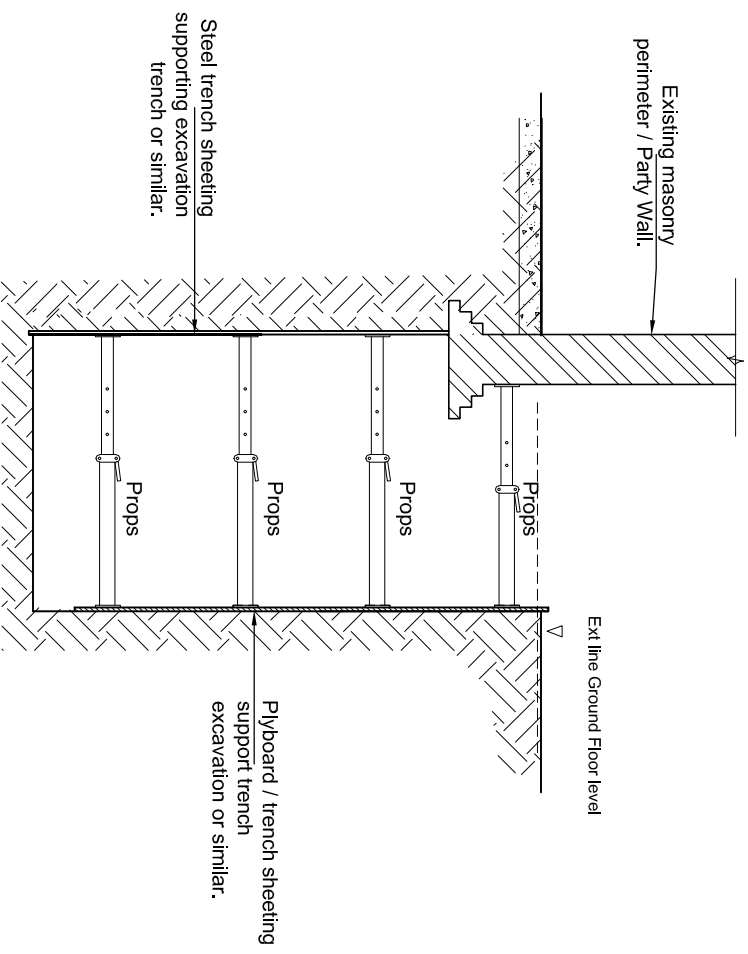


TEMPORARY WORKS PROPOSAL TO CONSTRUCT NEW R. C. BASEMENT INCLUDING UNDERPIN TO EXISTING MASONRY PERIMETER / PARTY WALL IN SEQUENCE (118 MALDEN ROAD)



Plan of each Pin



Section Stage .1

SEQUENCE OFWORK

1. EXCAVATE IN UNDERPINNING SEQUENCE TO CONSTRUCT NEW REINFORCED CONCRETE RETAINING WALL BELOW EXISTING MASONRY PARTY WALL.
2. STABILISED EXCAVATION TRENCH WITH STEEL TRENCH SHEETING, PLYBOARDS AND PROPS OR SIMILAR.
3. REMOVE EXISTING LOOSE CONCRETE TO UNDERSIDE OF BRICK CORBEL IF ANY / CLEAN UNDERSIDE OF EXISTING FOOTING.
- ALLOW FOR DE-WATERING (LOCALLY PUMPING) OF TRENCH IF ANY WATER IN FOUND. (HOWEVER WATER NOT EXPECTED TO BE FOUND IN TRENCH ACCORDING TO TRIAL PITS / BOREHOLES

NOTES

1. ALL DIMENSIONS TO BE VERIFIED ON SITE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS (ARCHITECTURAL AND STRUCTURAL DRAWING).
3. THE CONTRACTOR SHALL ENSURE THAT STABILITY OF THE BUILDING AND ADJACENT PREMISES IS MAINTAINED AT ALL STAGES OF CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS AND PROGRAMME THE WORK ACCORDINGLY.
5. ALL PROPS MUST REMAIN SUPPORTING THE STRUCTURE OVER / DIAGONALLY UNTIL THE OPERATION IS COMPLETE.
6. AT ALL TIMES THE EXISTING STRUCTURE WILL BE CAREFULLY MONITORED TO ENSURE NO DAMAGE DUE TO UNSUPPORTED WORK OCCURS.
7. DURING THE WORKS INSPECTIONS WILL BE MADE BY TEMPORARY WORKS ENGINEER AS DEMED NECESSARY.
8. ANY UNFORESEEN PROBLEM ENCOUNTERED WILL BE NOTIFIED TO BOTH THE PERMANENT AND TEMPORARY WORKS ENGINEER TO ENABLE A SOLUTION TO BE AGREED UPON..
9. ALL WORKS WILL BE CARRIED OUT IN A LOGICAL SEQUENCE WITH DUE REGARD FOR HEALTH AND SAFETY ISSUES.

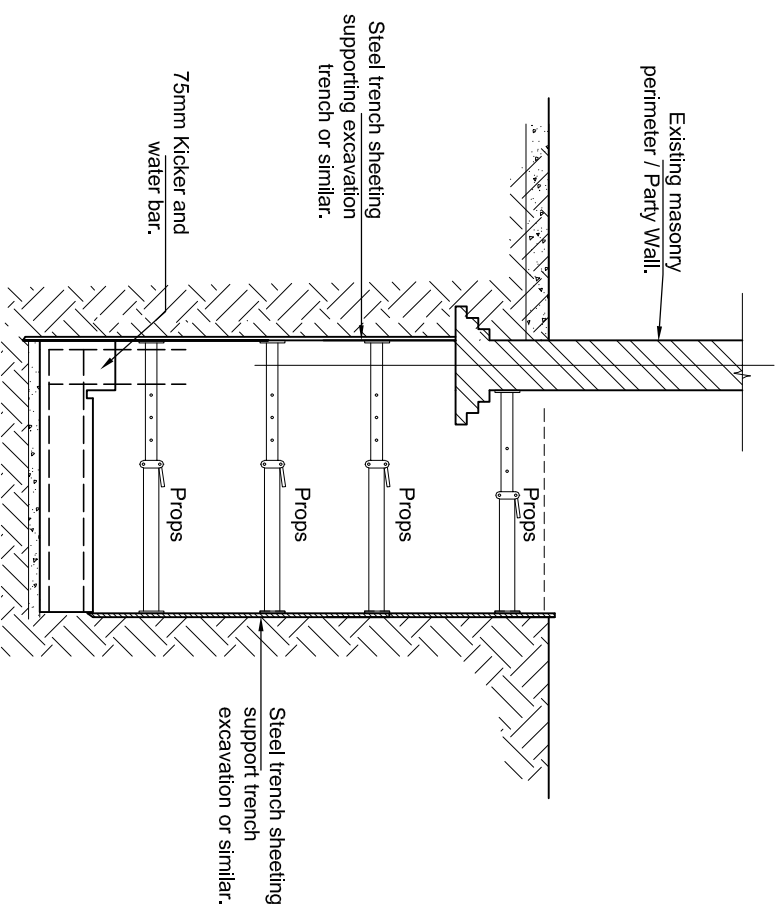
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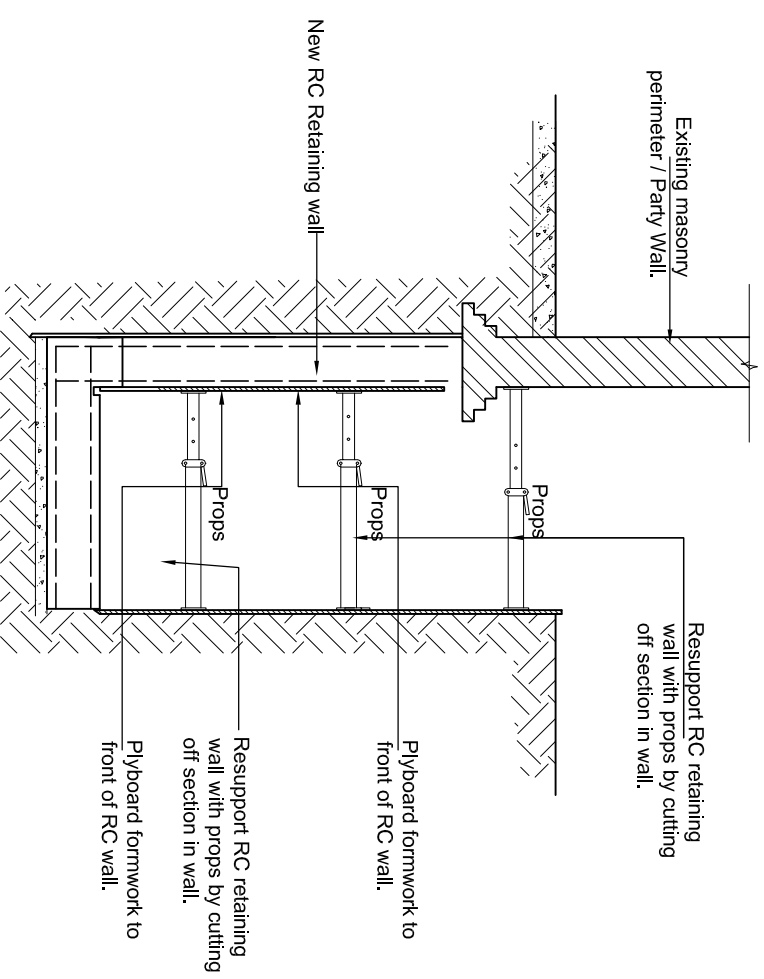
Title
Temporary works / Underpin

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Section Stage .2



Section Stage .3

4. CAST SECTION OF RC BASE WITH 75mm KICKER AND WATER BAR .
5. INSTALL SHUTTERING TO FRONT OF WALL. THEN CAST SECTION OF REINFORCED CONCRETE RETAINING WALL TO UNDERSIDE OF OF EXISTING FOUNDATION MASONRY WALL
6. DRY PACK GAP BETWEEN TOP OF NEW REINFORCED CONCRETE WALL AND UNDERSIDE OF EXISTING FOOTING.
7. CAREFULLY CUT-OFF PROJECTING BRICK CORBLE AND CONCRETE FOUNDATION.
8. CONTINUE SEQUENCE UNTIL THE ENTIRE RETAINING WALL IS CONSTRUCTED. (EXCAVATE, PROPOSED AND RETAINING WALL CONSTRUCTION). (ADJACENT PINS TIED WITH PAIRS OF 800mm long H16 DOWEL BAR RESIN 400mm INTO RC UNDERPIN RETAINING WALL+BASE AND REMAINING 400mm CAST INTO NEW RC WALL + RC BASE)

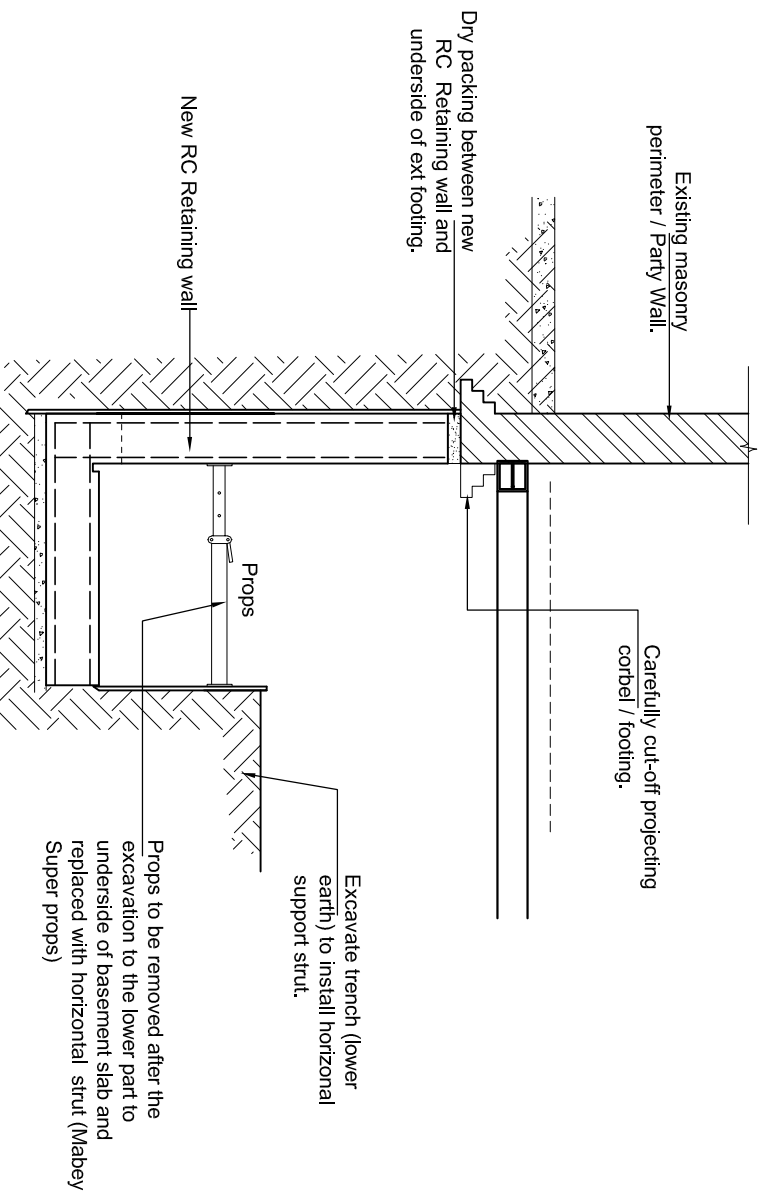
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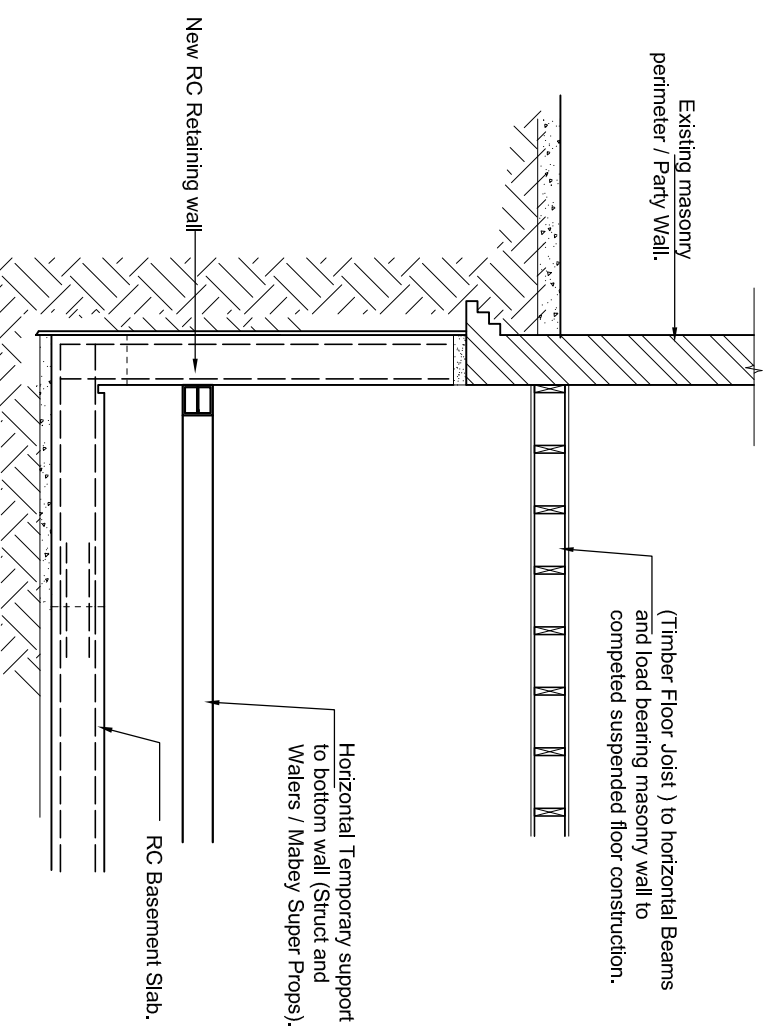
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Section Stage .4



Section Stage .5

9. EXCAVATE WITH IN PROPOSED BY LOWERING THE EARTH IN TWO STAGES.
10. INSTALL SUPPORT (MABEY PROP) TO TOP OF WALL.
11. REMOVE THE REMAINING EXCAVATED MATERIAL IN THE BASEMENT. (TO THE UNDERSIDE OF R.C BASEMENT SLAB.
12. INSTALL HORIZONTAL SUPPORT (STRUT AND WALER) TO THE BOTTOM OF R.C RETAINING WALL.
13. CAST BASEMENT FLOOR R.C SLAB .
14. REMOVE BOTTOM HORIZONTAL STRUT (WALER & MABEY SUPER PROP).
15. INSTALL FLOOR BEAMS, STEEL COLUMNS, FRAMES ON CAST RC SPREADER BEAMS WHILE REMOVING TOP HORIZONTAL STRUT.
16. INSTALL FLOOR FIXINGS AND FINISHES TO COMPLETE SUSPENDED FLOOR AND ALSO COMPLETE THE BASEMENT BOX CONSTRUCTION.

Preliminary
For Planning Submission

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