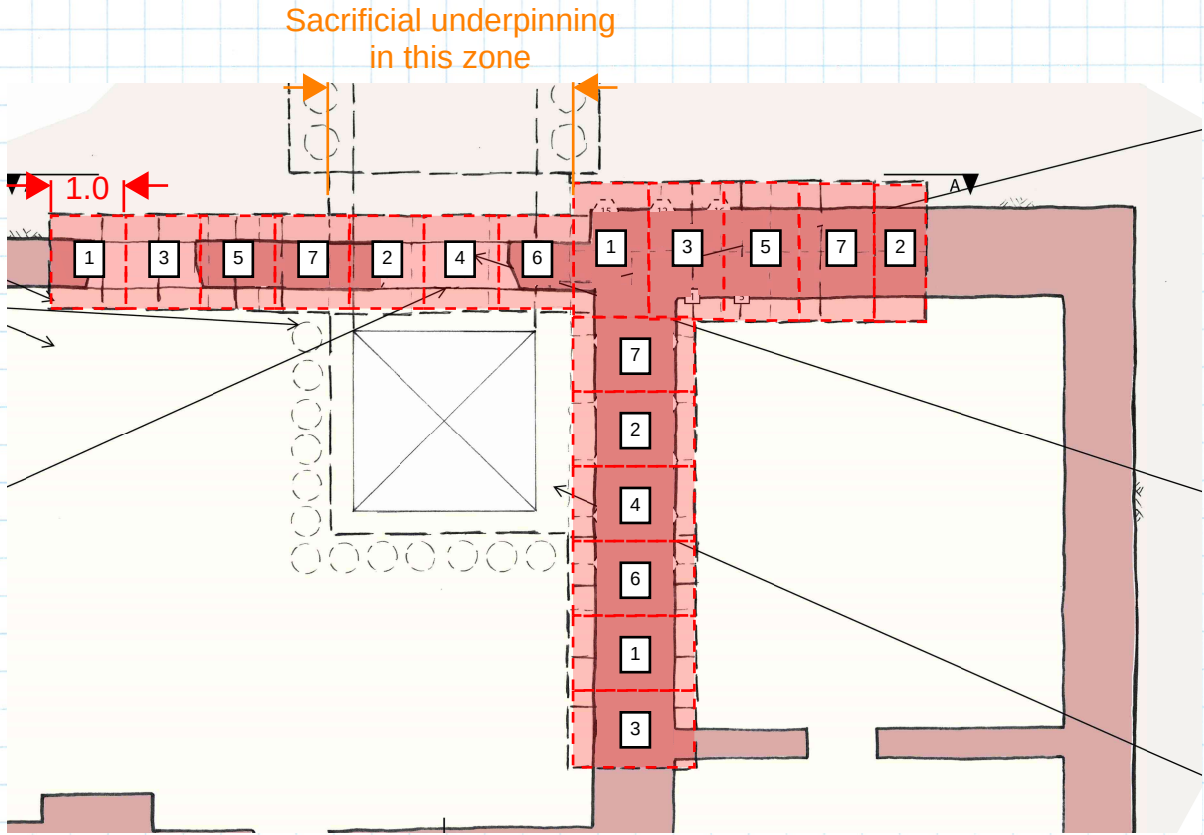




# DETAIL SHEET

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Client: Size Group  
Contract: Tottenham House, Marlborough



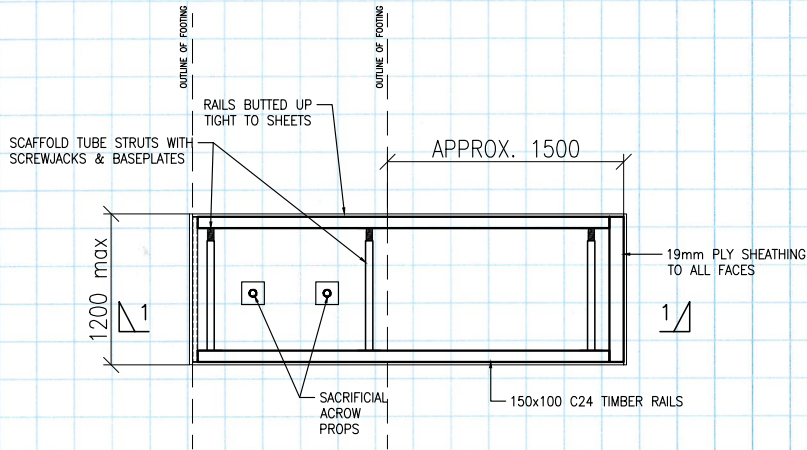
Single Stage Underpinning Sequence

## Sequence of works

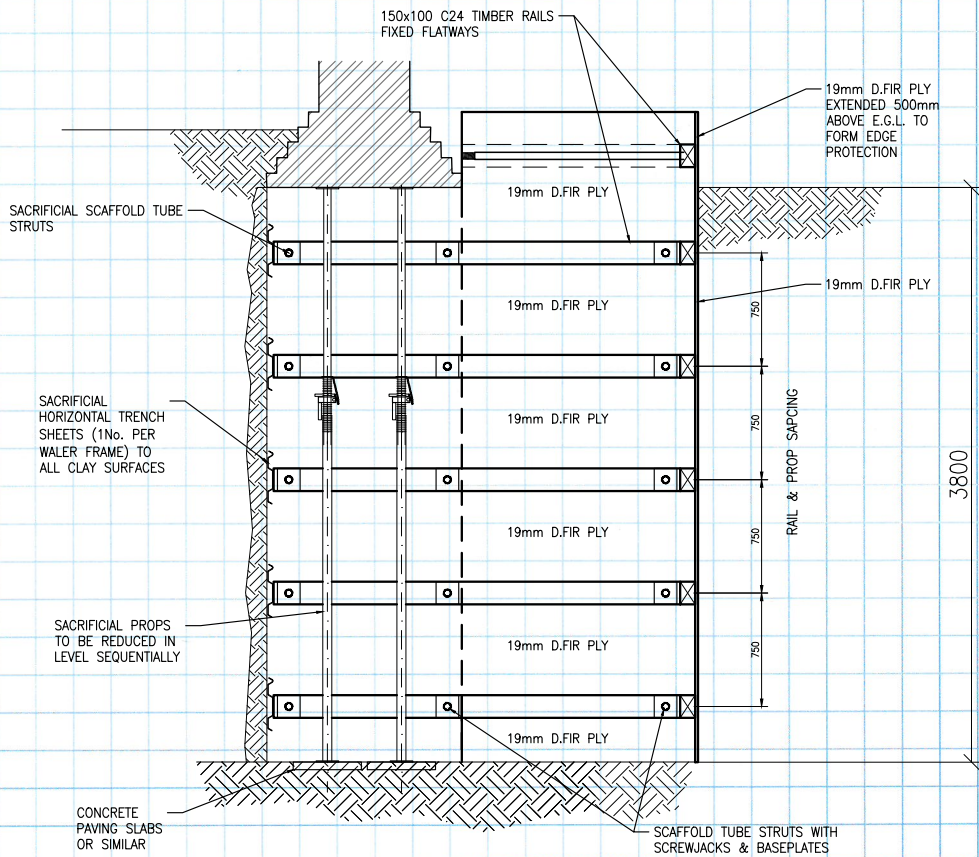
1. Set out underpinning in maximum 1.20m wide bays. Numbers as shown above.
2. Commence excavation for underpins ref. 1 installing shoring as work proceeds.
3. Examine underside of existing footing once exposed. Clean & remove all loose material. Insert temporary props if stability is of concern. These must be extended as work proceeds.
4. Install shoring to sides of underpin pit as work proceeds. If ground proves unstable, sacrificial boards & props with grout infill to be provided at all exposed faces of proposed underpinning concrete.
5. Install dowels to engineer's specification.
6. Fit face formwork incorporating letter-box at top to underpin & brace off rear face of access pit.
7. Place concrete into formwork leaving at least 75mm gap to u/s of existing footing.
8. Allow 24 hours minimum curing period.
9. Strike formwork.
10. Re-prop pin face off rear of access pit with pairs of horizontal acrow props or scaffold tubes at 1.50m max vertical centres. Backfill pit with arisings and ensure backfill material is compacted in layers as per specification.
11. Dry pack gap using 1:3 OPC:Sharp sand with Cebex anti-shrink additive well rammed in. For pins in excess of 800mm wide, drypack both sides of the wall. Drypacking to take place between 24 and 48 hours after pouring.
12. Allow 12 hours curing period before repeating above sequence for pins ref. 2.
13. Continue with rest of sequence

## Notes:

1. To be read in conjunction with all engineer's & architects specifications and drawings.
2. Underpinning works shall be undertaken in accordance with standard industry good practice, particularly the A.S.U.C recommendations.
3. Regular movement monitoring of the effected structures must be undertaken during the works. See engineer's relevant trigger level document. Increase to twice daily during deep excavation phase.
4. All timber shall be grade C24 minimum.
5. Adjustable props shall be in accordance with BS 5975.
6. Scaffold tubes shall be steel to TG20:13



TYPICAL PLAN



SECTION 1-1

B - JK - 17/02/26 - Revision to engineer's comments.

Revisions: A - JK - 16/02/26 - Approach revised, with greater detail added.

| Title:                                                                | Scale: | Date:           | Designed: | Drawn: | Checked: |
|-----------------------------------------------------------------------|--------|-----------------|-----------|--------|----------|
| Underpinning sequence and details for Picture Gallery Tunnel Entrance | N.T.S. | 04.02.26        | JK        | JK     |          |
| Drg. No:                                                              |        | SG.22.273.SK72B |           |        |          |