

OUTLINE CONSTRUCTION SEQUENCE FOR PROPOSED STRUCTURAL CHANGES AT 6 UPPER WIMPOLE STREET & 6 DEVONSHIRE MEWS SOUTH

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REVISION 0



Association for Consultancy and Engineering

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OUTLINE CONSTRUCTION SEQUENCE

THIS SEQUENCE TO BE READ IN CONJUCTION WITH

- The survey and proposed drawings
- The sequenced drawings contained in APPENDIX A
- 1. Add the steelwork shown on sketches 1 to 4 with minimal disruption to the existing structure. Pack the perimeter beams solidly to the walls to be retained with timbers. Add in the section of new first floor behind the mews façade to act as a horizontal girder.
- 2. Demolish all existing structure between grids D to A leaving just the perimeter walls and the new steelwork and timber bracing (sketch 5)
- 3. Carry out main stage underpinning to perimeter walls in a hit and miss sequence. Follow the approx. method shown on sheets 8 and 9, propping to the retained central berm (sheet 7)
- 4. Reduce the level of the central berm slightly and add a top propping system (sheets 8, 10,11 and 12
- 5. Reduce the level further and add a second level of propping (tbc)
- 6. Reduce to formation level and cast a layer of 75mm concrete blinding.
- 7. Excavate for and cast the basement sump pit. Lay underground drainage (sheet 13).
- 8. Concrete basement slab to grid C/D (sheet 14)
- 9. Remove lowest level of basement props (if second level)
- 10. Cast concrete columns basement to ground (sheet 15)
- 11. Cast ground floor slab to grid C/D (sheet 16).
- 12. Remove upper level basement props and fill in holes in columns left for props.
- 13. Can now split options. Complete the Mews House (see steps 26 to 32) whilst continuing as below
- 14. Install phase 2 propping system as sheets 17,18,19 and 20
- 15. Demolish remainder of central building down to basement slab level, including small rear wing.
- 16. Complete basement level underpinning (sheet 21)
- 17. Lay underground drainage
- 18. Complete foundations and plunge pool pit (sheet 22)
- 19. Complete thicker basement slab (sheet 23)
- 20. Complete columns basement to ground (sheet 24)
- 21. Complete ground floor slab (sheet 25)
- 22. Remove phase 2 level 1 props and fill in holes in columns left for props.
- 23. Concrete first floor slab (sheet 26)
- 24. Complete outer leaf of cavity wall to rear of Mews House (see sheet 32)
- 25. Remove phase 2 level 0 props and fill in holes in columns left for props
- 26. Complete rebuild of small rear wing (sheets 27 and 28)
- 27. (Mews House see step 13) Add steel columns ground to first (two of these are under beams forming part of the propping system which also form part of the permanent works). Sheet 29
- 28. Remove part of the level 1 propping system to the Mews house and build a little more first floor as sheet 30.

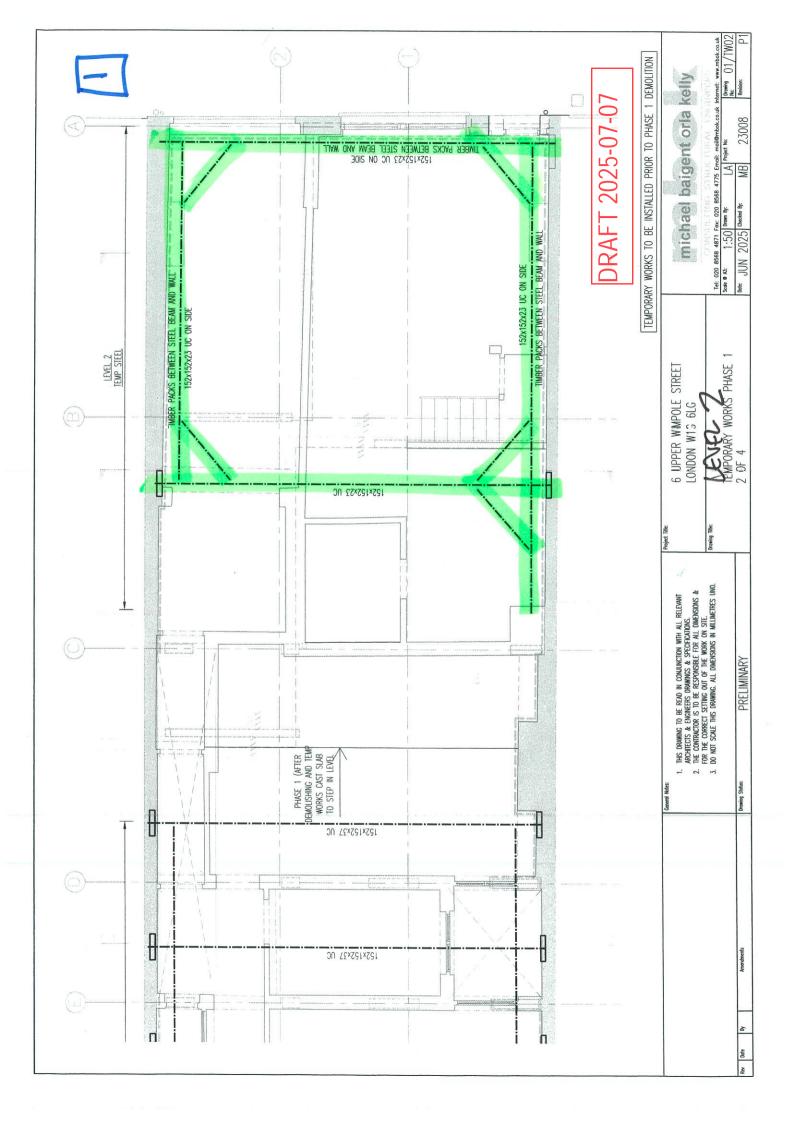


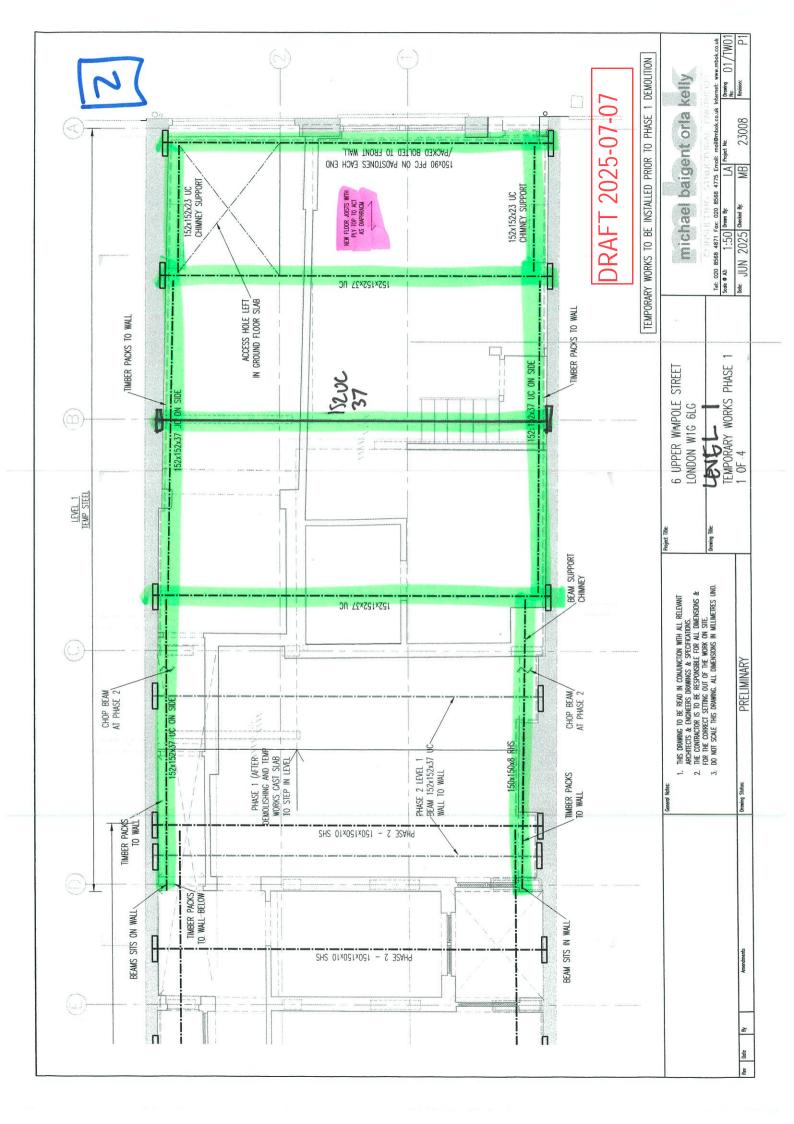
- 29. Temporarily prop the chimney on grid C. Remove the remainder of the level 1 temporary steel and complete the first floor of the Mews and the permanent support to the chimney. Sheet 31.
- 30. Complete roof to Mews.
- 31. Remove Level 2 props to Mews
- 32. Excavate for and concrete new thinner slab to central building as sheet 3323008
- 33. Concrete temporary hole left for access down through the ground floor of the mews (see sheet 16).

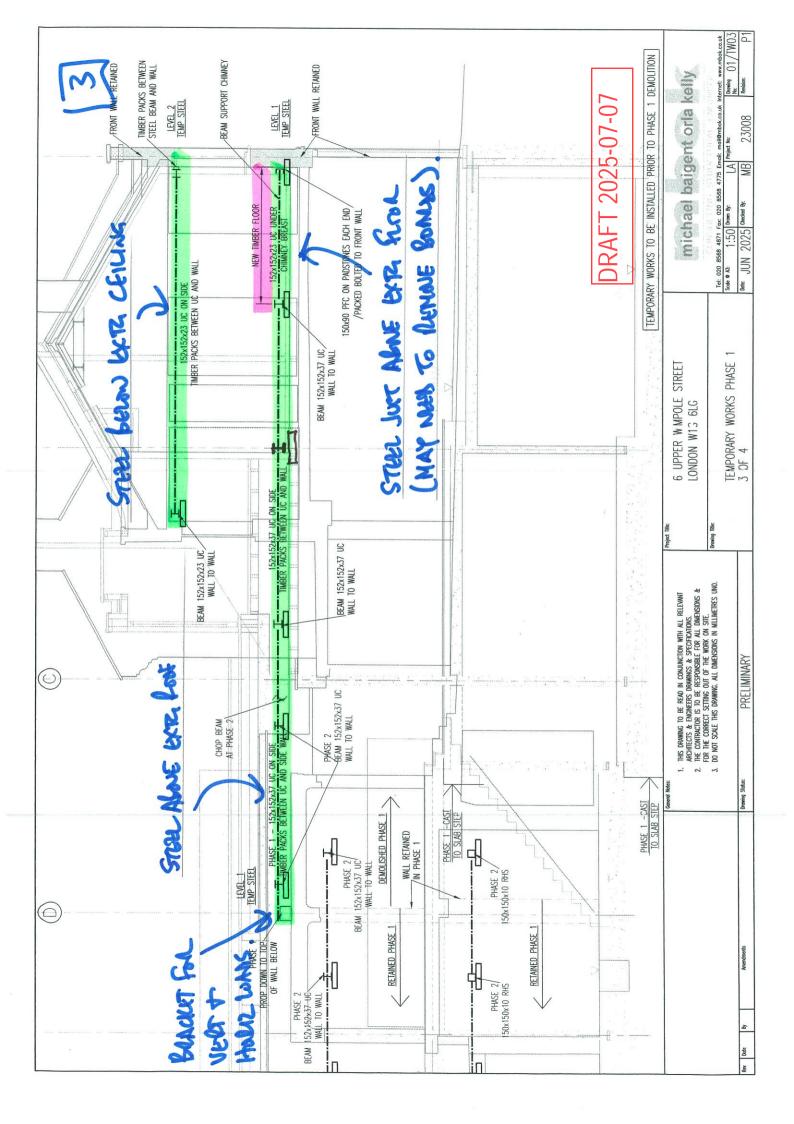


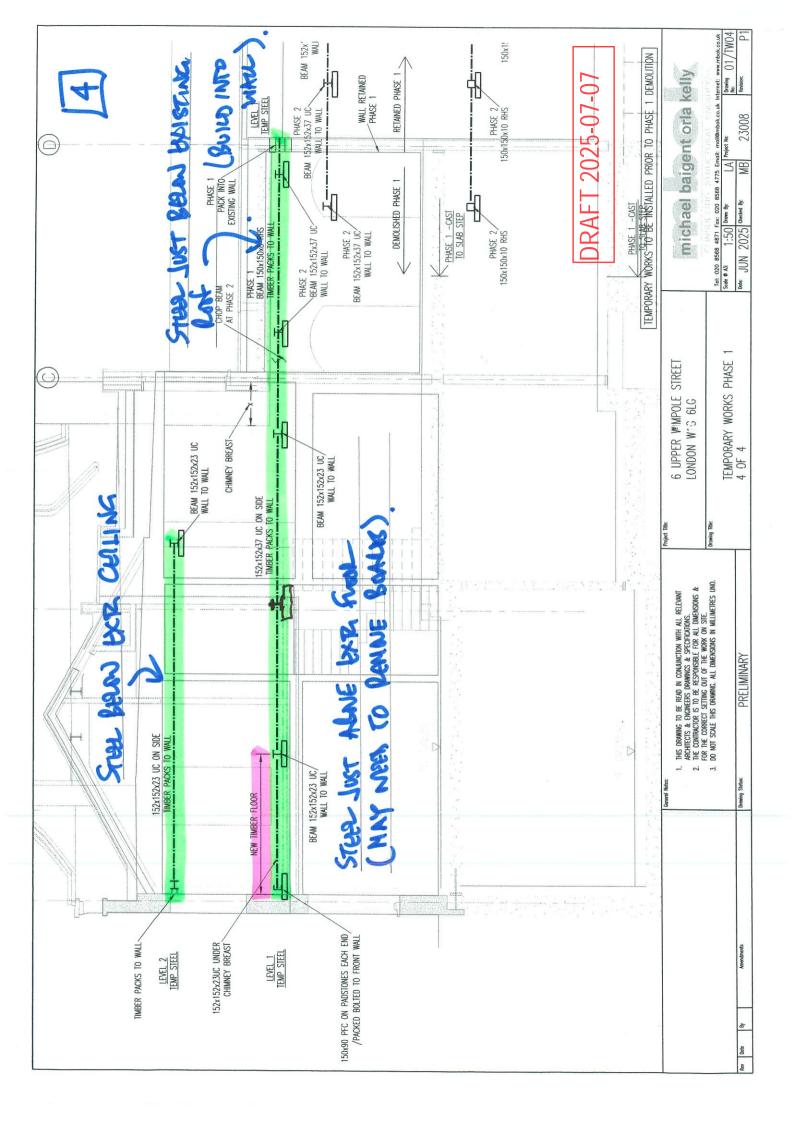
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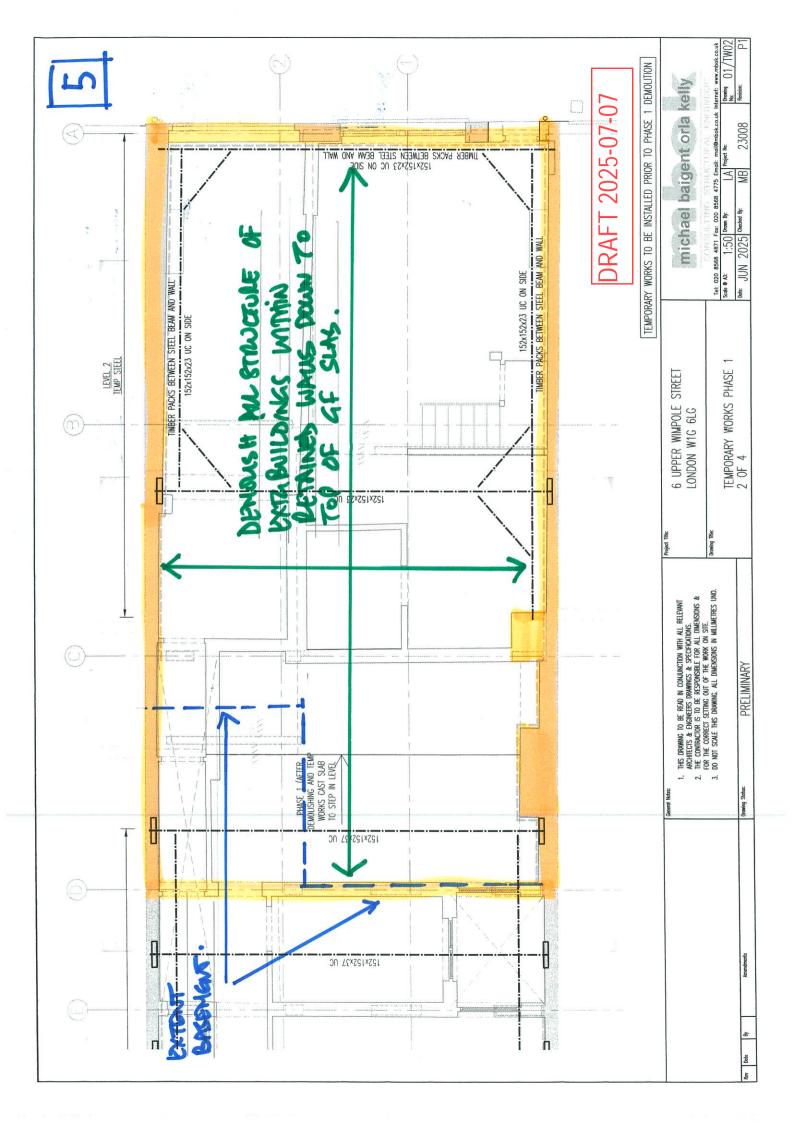
APPENDIX A SEQUCE OF WORKS DRAWINGS

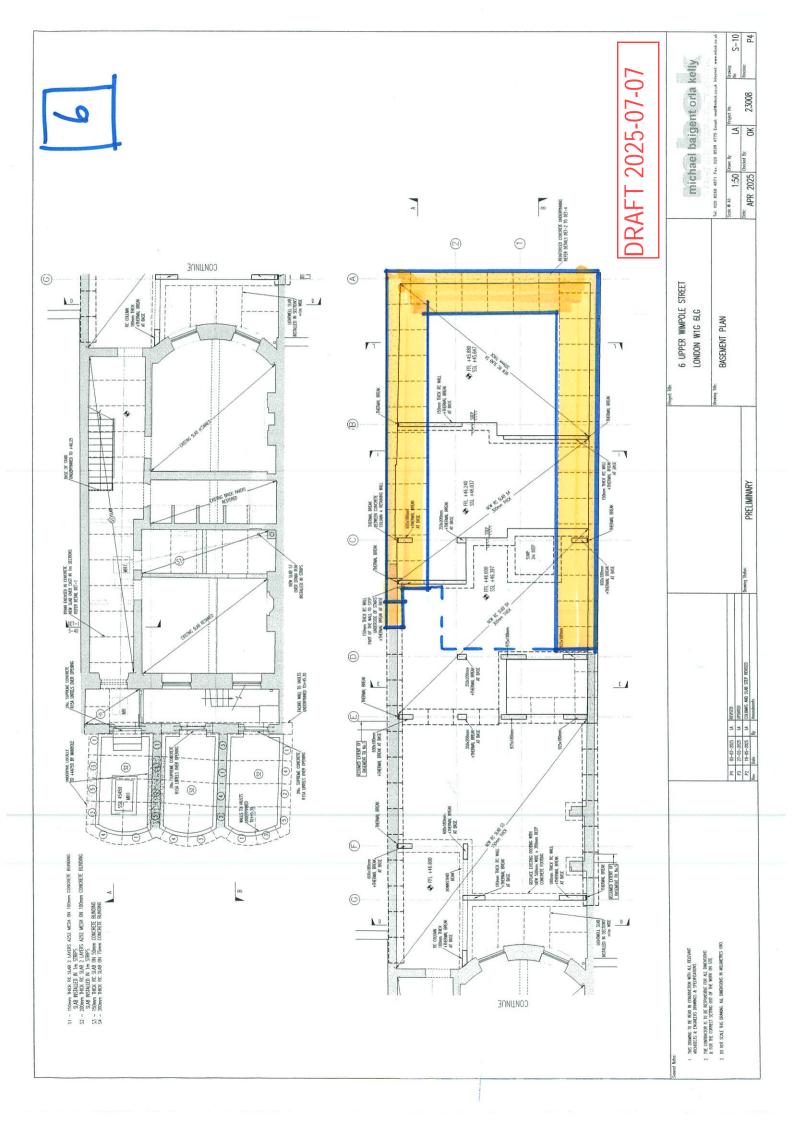


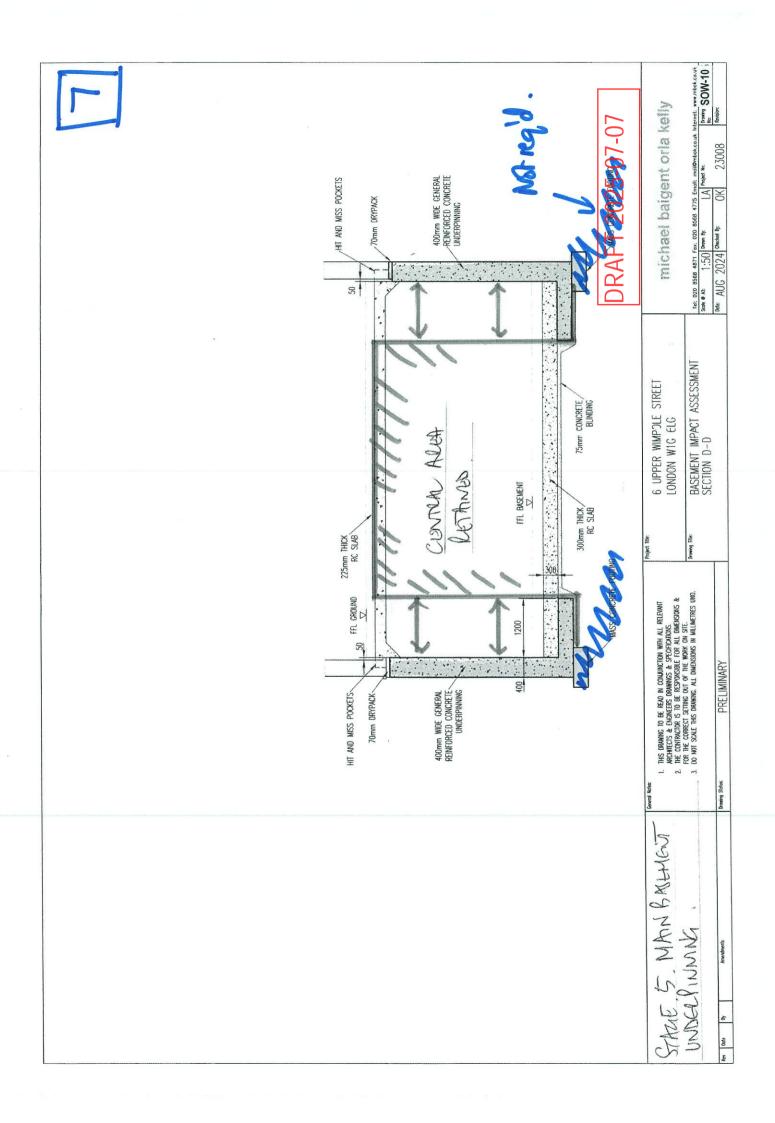






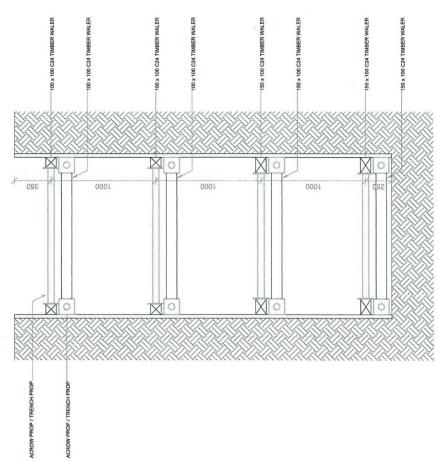


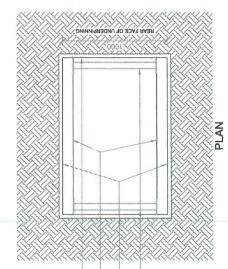






SECTION





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CEMENTITIOUS BOARD SACRIFICIAL BACK - SHUTTER (OR SIMILAR APPROVED) TO REAR FACE OF UNDERPINNING

TIMBER WALERS TO 2 SIDES OF EXCAVATION

'STANDARD LAP' TRENCH SHEETS BY TATA STEEL (OR-SIMILAR APPROVED) TO 3 SIDES OF EXCAVATION

ACROW PROPS / TRENCH PROPS

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