APPENDIX A

SCHEME, LOADING, METHOD STATEMENT AND SEQUENING DRAWINGS

This drawing must be read in conjunction with the specification and all other relevant drawings. Do not scale from this drawing.



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	Rev Date De	escription	Drawn Check	
JW1 7TS	Drawing Status PRELIMINARY		Project No 180507	
	Date JUNE 2018	Drawn HH	Drawing No	
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LOWER LEVEL 152x152x30UC (S275) WALING BEAMS AND

0 1000 2000 3000 4000 5000 mm			
	Rev Date De	escription	Drawn Check
1 ST. MARKS CRESCENT NW1 7TS	Drawing Status PRELIMINARY		Project No 180507
BASEMENT TEMPORARY WORKS	Date JUNE 2018	Drawn DB	Drawing No
PROPOSALS BASEMENT IMPACT ASSESSMENT	Scale 1:50@A3	Engineer NN	Revision -



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STAGE 1

- 1. REMOVE EXISTING LOWER GROUND TIMBER FLOOR STRUCTURE AND UNDERTAKE INITIAL REDUCED LEVEL DIG
- TO EXPOSE CORBEL FOUNDATIONS 2. EXCAVATE FIRST LEVEL OF UNDERPINNING IN ACCORDANCE WITH PROPOSED SEQUENCE (1, 3, 5, 2, 4)
- ENSURING A MINIMUM OF THREE BAYS BETWEEN EACH WORKING PIN.
- FORMWORK FOR EACH PIN INSERTED TO ENSURE NO VOIDS AND REAR OF PINS ARE STRAIGHT AND SMOOTH.
 PIN REINFORCEMENT INSTALLED AND CHECKED, ENSURING CONTINUITY REINFORCEMENT IS INSTALLED THROUGH EXISTING CORBELLED BRICK FOUNDATION TO TIE INTO LATER STEM/LOWER GROUND FLOOR SLAB
- AND CORED INTO THE GROUND TO THE SIDES AND BOTTOM OF PINS TO TIE INTO ADJOINING PINS.
 5. PLACE CONCRETE AND ALLOW TO CURE FOR A MINIMUM OF 24 HOURS.
 6. PLACE MIN 75MM THOROUGHLY RAMMED HOME DRYPACK BETWEEN UNDERPINNING AND EXISTING WALL.
- ALLOW TO CURE FOR A MINIMUM OF 24 HOURS.7. REPEAT PROCESS FOR REMAINING FIRST LEVEL PINS IN 1, 3, 5, 2, 4 SEQUENCE



STAGE 3

- 1. UNDERTAKE EXCAVATION FOR SECOND LEVEL OF UNDERPINNING IN ACCORDANCE WITH PROPOSED SEQUENCE (1, 3, 5, 2, 4). SECOND LEVEL UNDERPINNING TO BE HORIZONTALLY STAGGERED ON PLAN TO AVOID FULL HEIGHT VERTICAL JOINTS. INCLUDING FORMING RETAINING WALL TOE IN ACCORDANCE WITH PROPOSED UNDERPINNING SEQUENCE.
- FORMWORK FOR EACH PIN INSERTED TO ENSURE NO VOIDS AND REAR OF PINS ARE STRAIGHT AND SMOOTH.
 PIN REINFORCEMENT INSTALLED AND CHECKED, ENSURING CONTINUITY REINFORCEMENT TO BE CORED INTO THE GROUND TO THE SIDES OF PINS AND ENDS OF RETAINING WALL TOE TO TIE INTO ADJOINING PINS AND
- BASEMENT SLAB. 5. PLACE CONCRETE AND ALLOW TO CURE FOR A MINIMUM OF 24 HOURS.
- PLACE CONCRETE AND ALLOW TO CORE FOR A MINIMUM OF 24 HOURS.
 PLACE MIN 75MM DRYPACK BETWEEN PINS AND APPLY WATERPOOFING TREATMENT TO THE JOINT AS PER
- WATERPROOFING SPECIALIST DETAILS AND ALLOW TO CURE FOR MIN 24 HOURS.
- 7. REPEAT PROCESS FOR REMAINING FIRST LEVEL PINS IN 1, 3, 5, 2, 4 SEQUENCE



- 1. AREA WITHIN BASEMENT TO BE DUG OUT TO MAXIMUM HALF THE DEPTH OF INITIAL UNDERPINNING TO ALLOW ROOM FOR
- TEMPORARY WORKS INSTALLATION.
 2. INSTALL WALING BEAMS AGAINST FIRST LEVEL UNDERPINS, ENSURING BEAMS ARE MECHANICALLY ANCHORED INTO CONCRETE AND INSTALL HORIZONTAL PROPS IN ACCORDANCE WITH TEMPORARY WORKS PROPOSAL DRAWINGS.
- 3. ENSURE TEMPORARY PROPPING IS CORRECTLY SEATED AND ACTIVE PRIOR TO PROCEEDING.
- 4. ONCE PROPPING IS INSTALLED, EXCAVATE AREA WITHIN BASEMENT TO 150MM ABOVE BASE OF UNDERPINNING.



STAGE 4

- 1. UNDERTAKE FINAL EXCAVATION WITHIN BASEMENT AREA TO
- BASEMENT SLAB FORMATION LEVEL.2. INSTALL 50mm LEAN MIX CONCRETE BLINDING BENEATH PROPOSED
- BASEMENT SLAB AND ALLOW TO CURE FOR MIN 24HOURS.BASEMENT SLAB REINFORCEMENT TO BE INSTALLED AND CHECKED.
- BASEMENT SEAB REINT ORCEMENT TO BE INSTALLED AND CHECKED
 PLACE CONCRETE FOR BASEMENT SLAB AND ALLOW TO CURE FOR MIN 7 DAYS BEFORE PROCEEDING.

GENERAL NOTES

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS
- 2. DO NOT SCALE FROM THIS DRAWING IN EITHER PAPER OR DIGITAL FORM. USE WRITTEN DIMENSIONS ONLY.



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POTENTIAL CONSTRUCTION SEQUENCE (SHEET 1 OF 2)

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STAGE 5

- 1. USING HAND TOOLS ONLY, CAREFULLY REMOVE CORBEL FOUNDATION TO No.1 SIDE INTERNALLY WITHIN BASEMENT.
- ERECT FORMWORK OFF BASEMENT SLAB TO SUPPORT NEW LOWER GROUND FLOOR SLAB.
 STEEL REINFORCEMENT TO PERIMETER STEM AND LOWER GROUND FLOOR SLAB TO BE INSTALLED AND
- CHECKED.
- 4. PLACE CONCRETE AND ALLOW TO CURE FOR MIN 5DAYS BEFORE REMOVING SHUTTERING AND BACK PROPPING.
- 5. ALLOW SLAB TO CURE FOR MIN 28 DAYS (AFTR PLACEMENT) BEFORE REMOVING SLAB BACK PROPPING.



STAGE 6

- 1. CRUSH CONCRETE CUBE SAMPLES AT 14 AND 28 DAYS TO CONFIRM CONCRETE IS AT THE REQUIRED DESIGN STRENGTH.
- 2. ONCE CONCRETE DESIGN STRENGTH OF ALL ELEMENTS FORMING THE BASEMENT BOX HAS BEEN REACHED, INTERNAL TEMPORARY PROPS AND WALING BEAMS CAN BE REMOVED.
- 3. MAKE GOOD WALING BEAM FIXING HOLES IN UNDERPINNING CONCRETE.

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