

engineersHRW

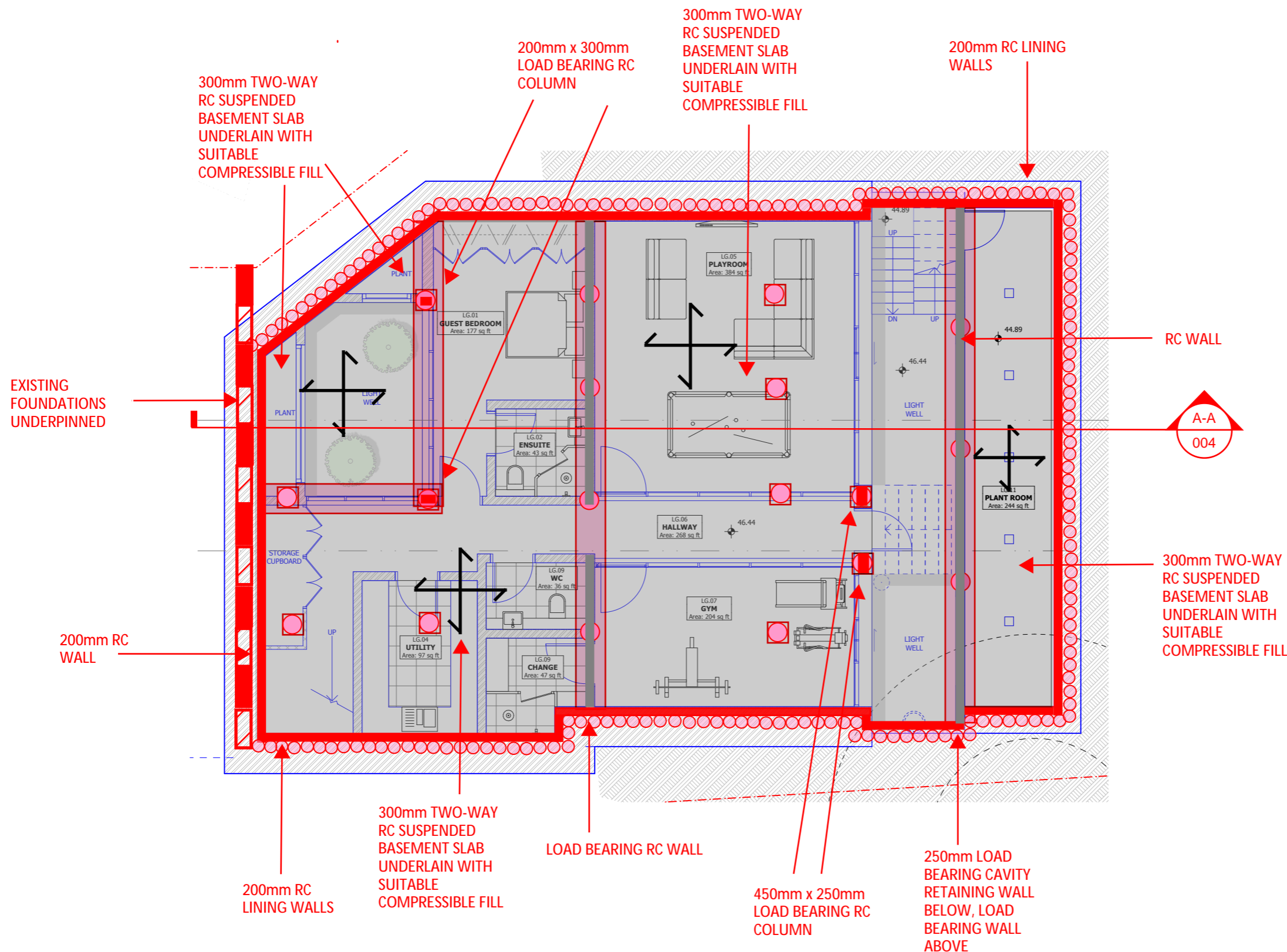
Project Title:
9 Harley Road

Drawing Title:
Basement Foundation Plan

| | | | |
|--------------|-----------|----------|----------|
| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

Drawing Status:
Preliminary Scheme

| | | | |
|-------------|---------------|-------------|-----------|
| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1394 | SK | 001 | - |



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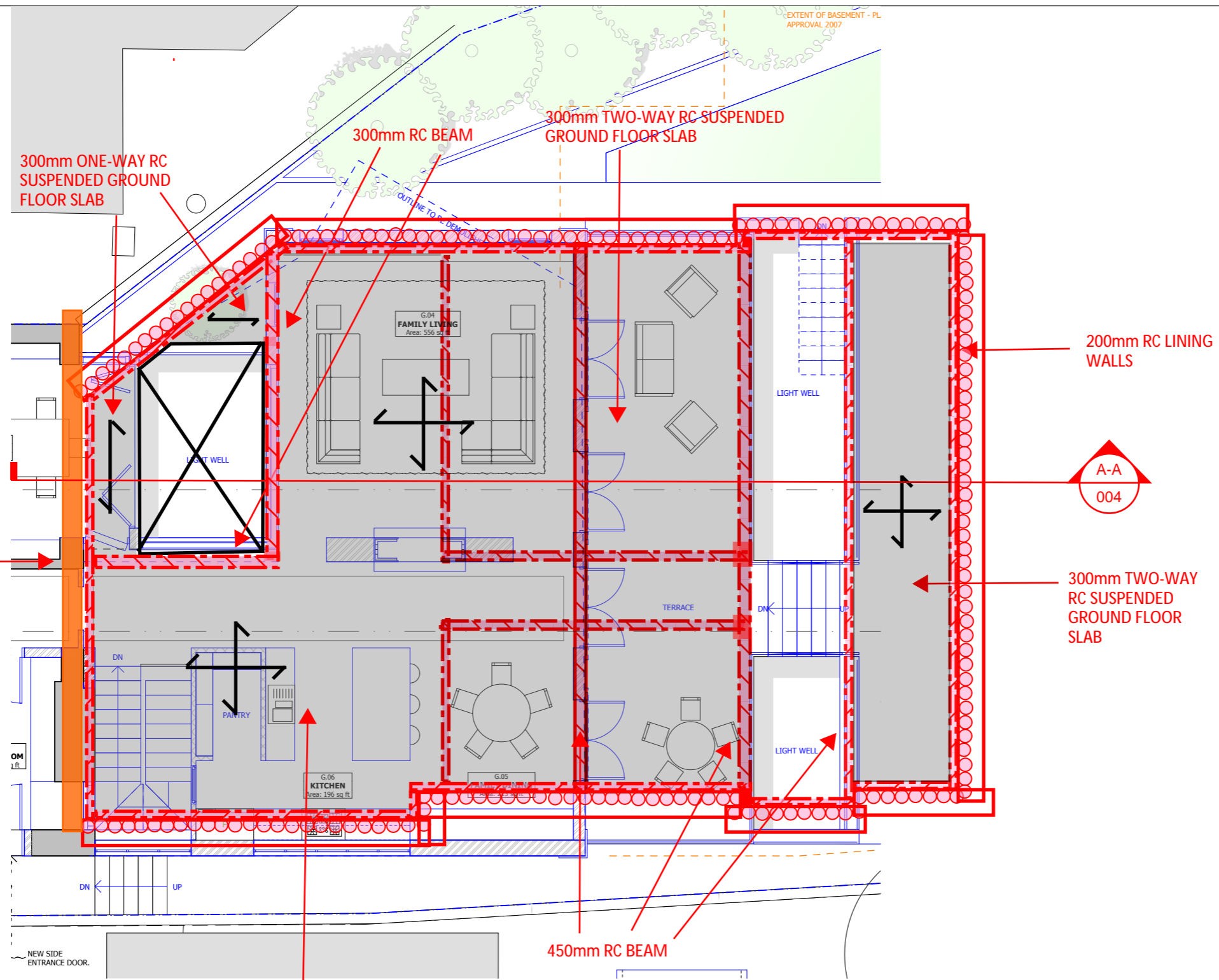
Project Title:
9 Harley Road

Drawing Title:
Basement Level Plan

| | | | |
|--------------|-----------|----------|----------|
| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

Drawing Status:
Preliminary Scheme

| | | | |
|-------------|---------------|-------------|-----------|
| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1394 | SK | 002 | - |



EXISTING FOUNDATIONS UNDERPINNED

300mm ONE-WAY RC SUSPENDED GROUND FLOOR SLAB

300mm RC BEAM

300mm TWO-WAY RC SUSPENDED GROUND FLOOR SLAB

200mm RC LINING WALLS

A-A
004

300mm TWO-WAY RC SUSPENDED GROUND FLOOR SLAB

450mm RC BEAM

300mm TWO-WAY RC SUSPENDED GROUND FLOOR SLAB

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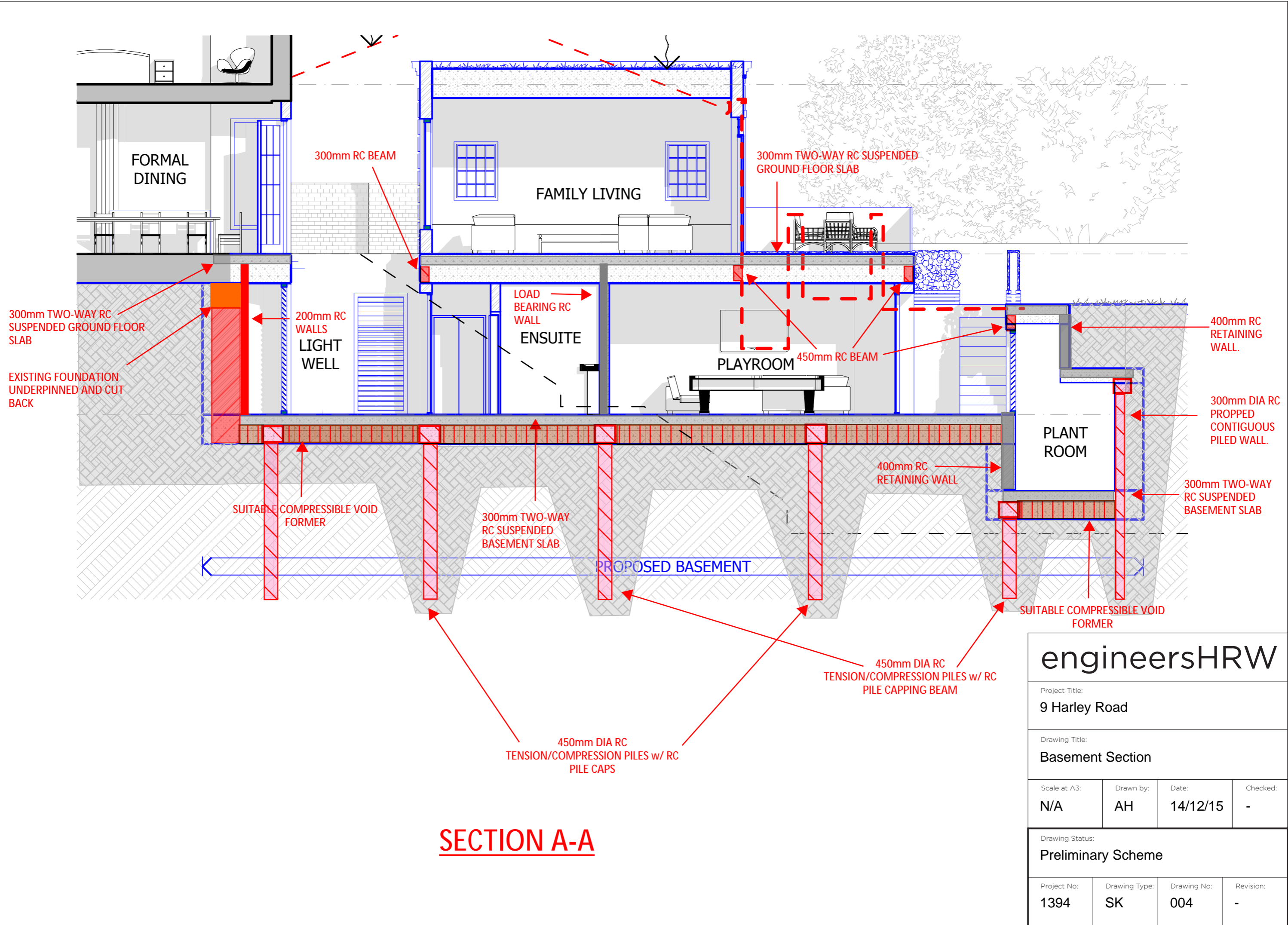
Project Title:
9 Harley Road

Drawing Title:
Ground Floor Level Plan

| | | | |
|--------------|-----------|----------|----------|
| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

Drawing Status:
Preliminary Scheme

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|-------------|---------------|-------------|-----------|
| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1394 | SK | 003 | - |



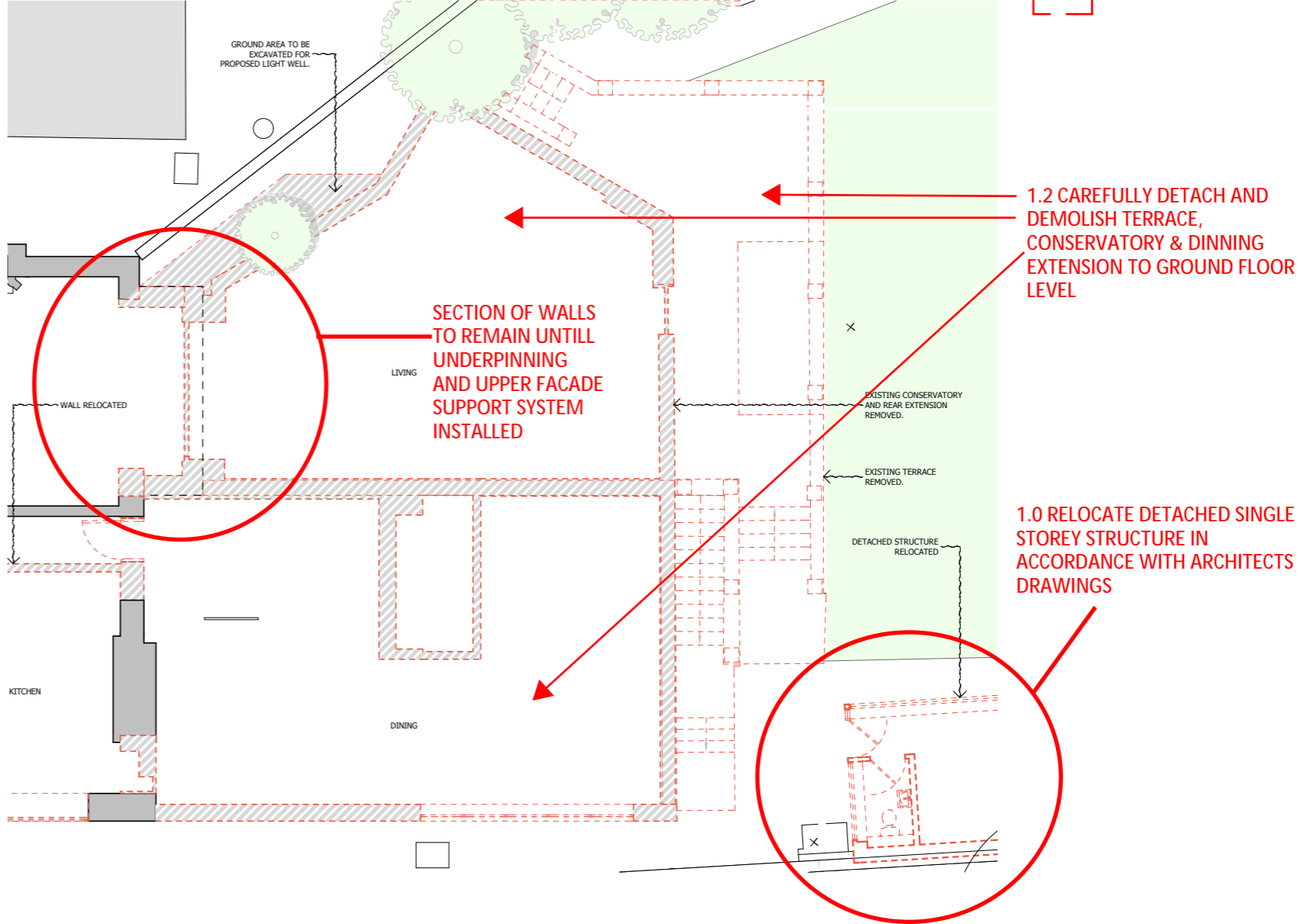
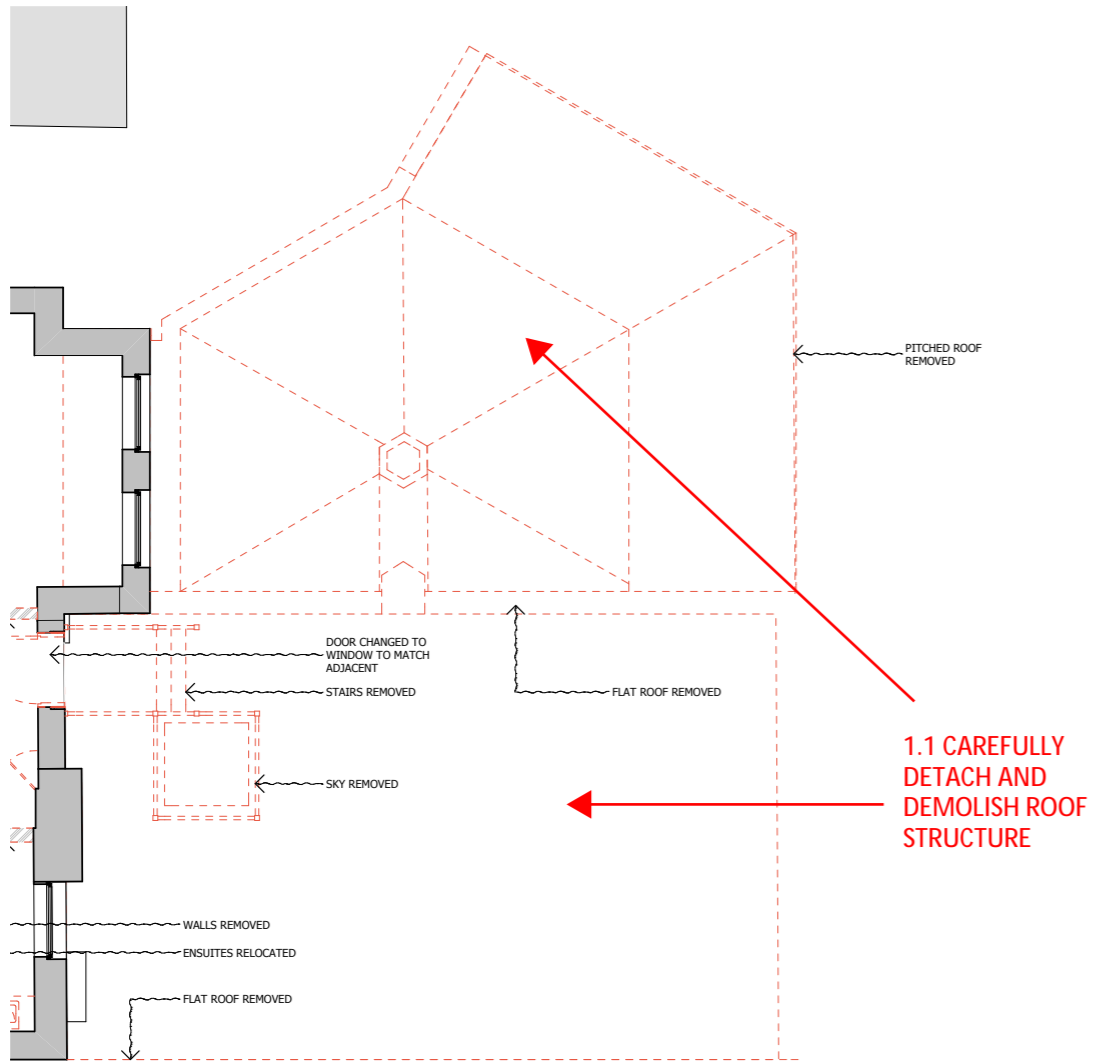
SECTION A-A

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|--|----------------------------|---------------------------|-----------------------|
| engineersHRW | | | |
| Project Title: 9 Harley Road | | | |
| Drawing Title: Basement Section | | | |
| Scale at A3: N/A | Drawn by: AH | Date: 14/12/15 | Checked: - |
| Drawing Status: Preliminary Scheme | | | |
| Project No: 1394 | Drawing Type: SK | Drawing No: 004 | Revision: - |

**PHASE ONE
DEMOLITION WORKS**

NOTE: THE CONDITION OF THE RETAINED FACADES WILL BE MONITORED THROUGHOUT EXCAVATION, CONSTRUCTION OF THE BASEMENT AND THE SUPERSTRUCTURE. REPAIR WORKS WILL BE CARRIED OUT AS REQUIRED.

- EXISTING ITEMS
- DEMOLISHED ITEMS



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Project Title:
9 Harley Road

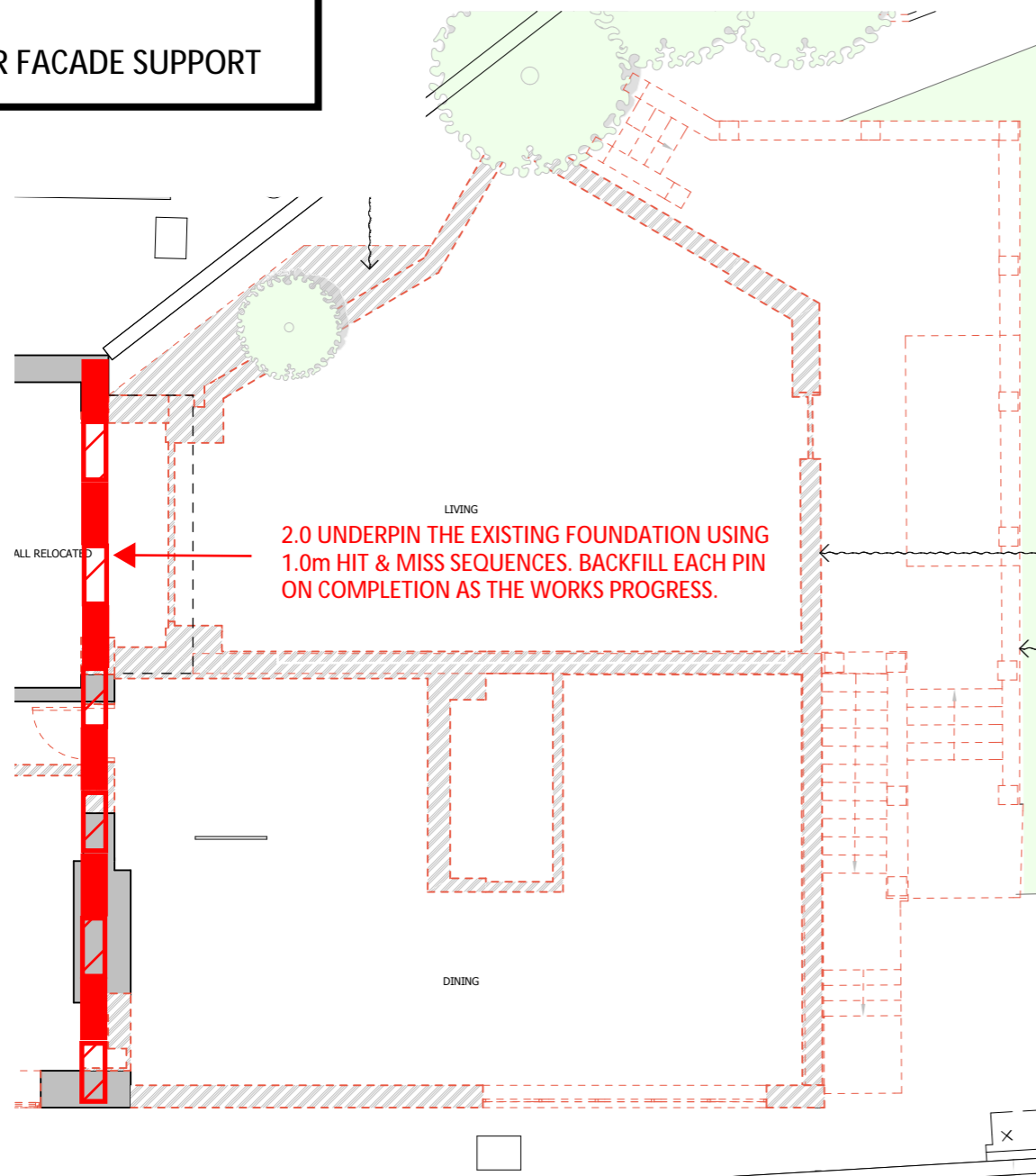
Drawing Title:
Demolition Plan

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| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

Drawing Status:
Construction Methodology

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| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1394 | SK | 005 | - |

PHASE TWO
REAR FACADE SUPPORT



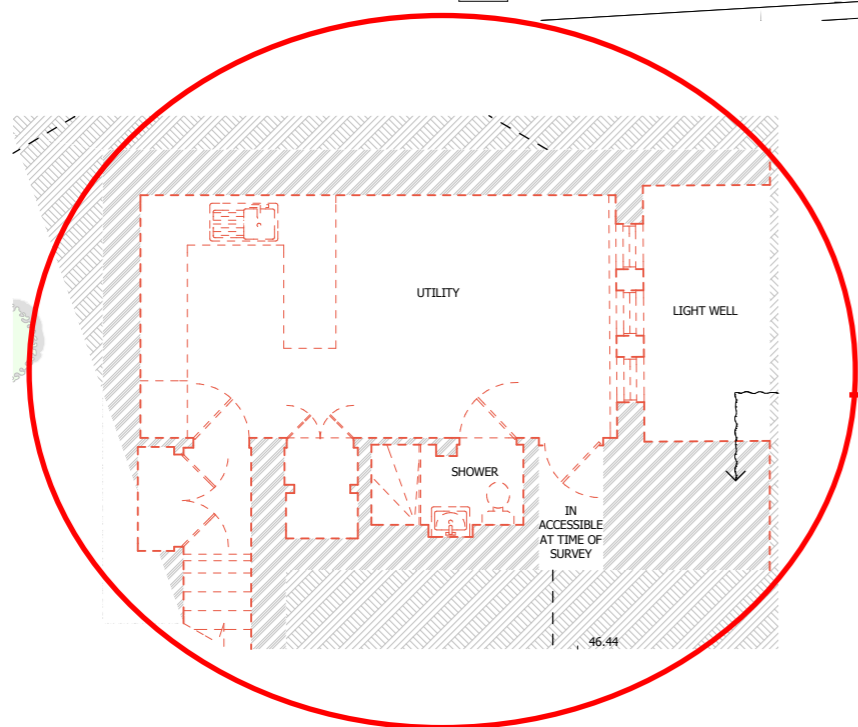
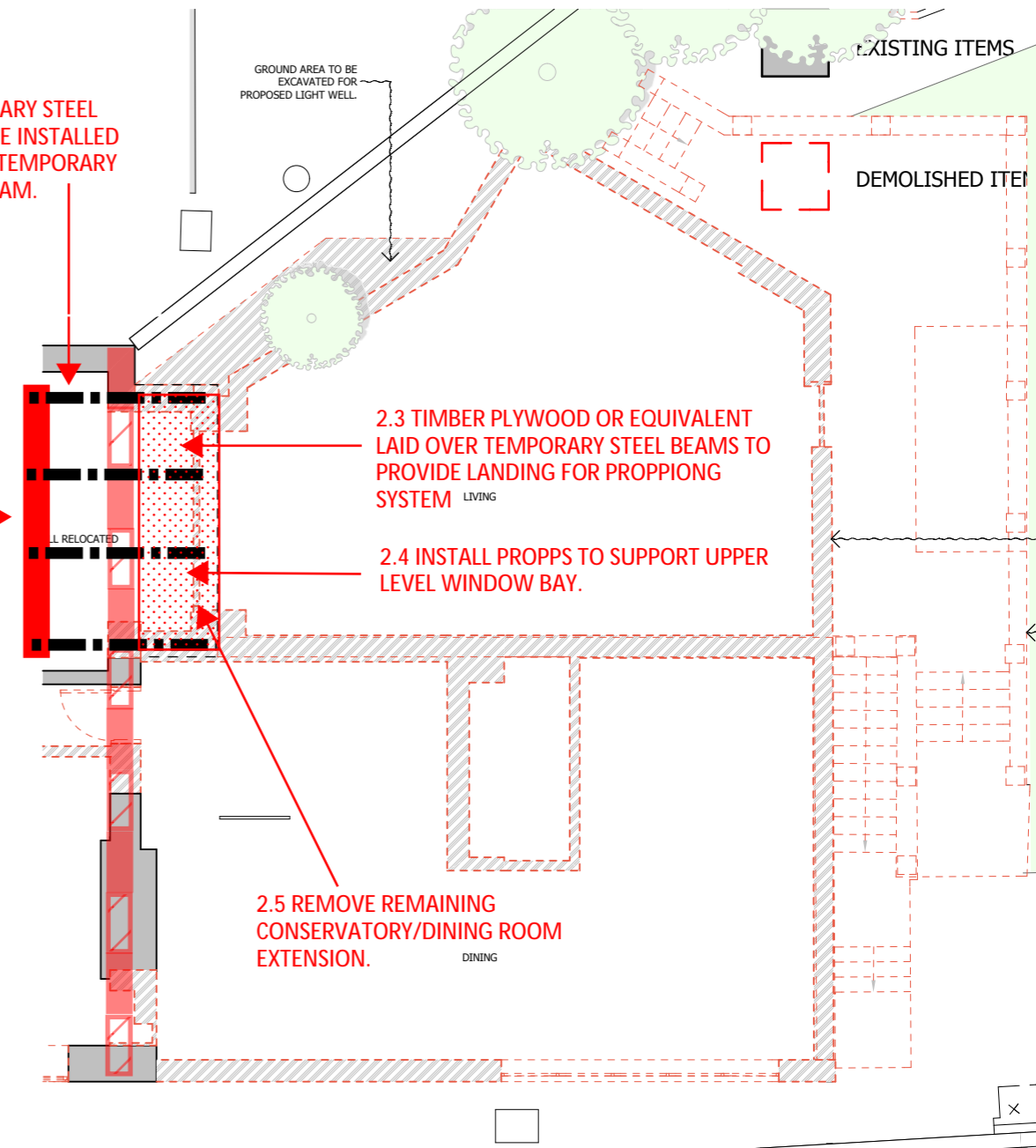
2.1 CAREFULLY LIFT FLOORBOARDS (TO BE PLACED BACK POST CONSTRUCTION) & INSTALL TEMPORARY GROUND BEAM.

2.2 TEMPORARY STEEL BEAMS TO BE INSTALLED ABOVE THE TEMPORARY GROUND BEAM.

2.3 TIMBER PLYWOOD OR EQUIVALENT LAID OVER TEMPORARY STEEL BEAMS TO PROVIDE LANDING FOR PROPPING SYSTEM

2.4 INSTALL PROPPS TO SUPPORT UPPER LEVEL WINDOW BAY.

2.5 REMOVE REMAINING CONSERVATORY/DINING ROOM EXTENSION.



2.7 CAREFULLY BREAK OUT AND REMOVE EXISTING BASEMENT/LOWER GROUND FLOOR STRUCTURE

NOTE: THE CONDITION OF THE RETAINED FACADES WILL BE MONITORED THROUGHOUT EXCAVATION, CONSTRUCTION OF THE BASEMENT AND THE SUPERSTRUCTURE. REPAIR WORKS WILL BE CARRIED OUT AS REQUIRED.

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Project Title:
9 Harley Road

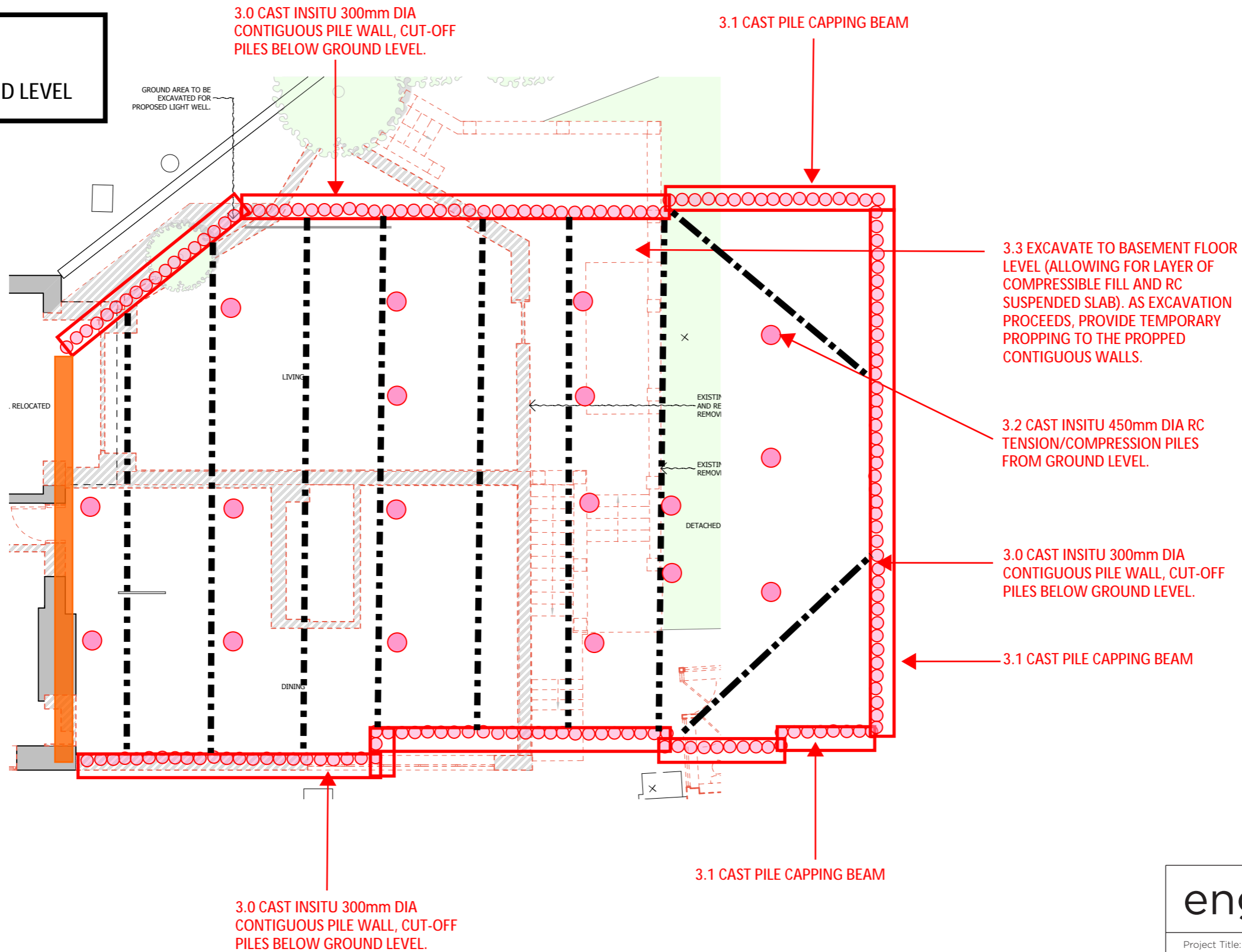
Drawing Title:
Underpinning & Window Bay Propping

| | | | |
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| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

Drawing Status:
Construction Methodology

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| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1394 | SK | 006 | - |

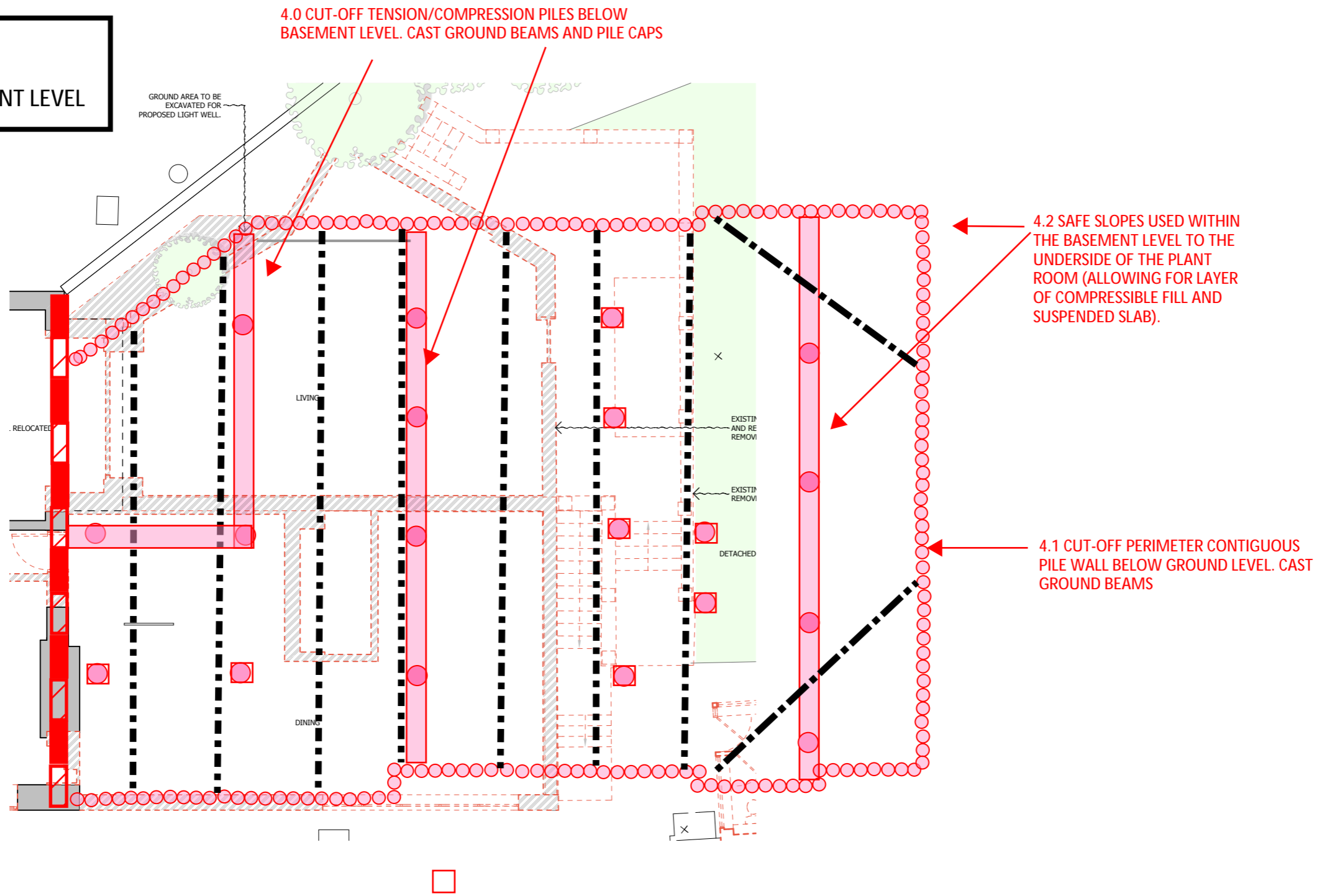
PHASE THREE
WORKS FROM GROUND LEVEL



NOTE: THE CONDITION OF THE RETAINED FACADES WILL BE MONITORED THROUGHOUT EXCAVATION, CONSTRUCTION OF THE BASEMENT AND THE SUPERSTRUCTURE. REPAIR WORKS WILL BE CARRIED OUT AS REQUIRED.

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| engineersHRW | | | |
| Project Title: 9 Harley Road | | | |
| Drawing Title: Basement Construction from Ground Level | | | |
| Scale at A3: N/A | Drawn by: AH | Date: 14/12/15 | Checked: - |
| Drawing Status: Construction Methodology | | | |
| Project No: 1395 | Drawing Type: SK | Drawing No: 007 | Revision: - |

PHASE FOUR
WORKS FROM BASEMENT LEVEL



4.2 SAFE SLOPES USED WITHIN THE BASEMENT LEVEL TO THE UNDERSIDE OF THE PLANT ROOM (ALLOWING FOR LAYER OF COMPRESSIBLE FILL AND SUSPENDED SLAB).

4.1 CUT-OFF PERIMETER CONTIGUOUS PILE WALL BELOW GROUND LEVEL. CAST GROUND BEAMS

4.0 CUT-OFF TENSION/COMPRESSION PILES BELOW BASEMENT LEVEL. CAST GROUND BEAMS AND PILE CAPS

NOTE: THE CONDITION OF THE RETAINED FACADES WILL BE MONITORED THROUGHOUT EXCAVATION, CONSTRUCTION OF THE BASEMENT AND THE SUPERSTRUCTURE. REPAIR WORKS WILL BE CARRIED OUT AS REQUIRED.

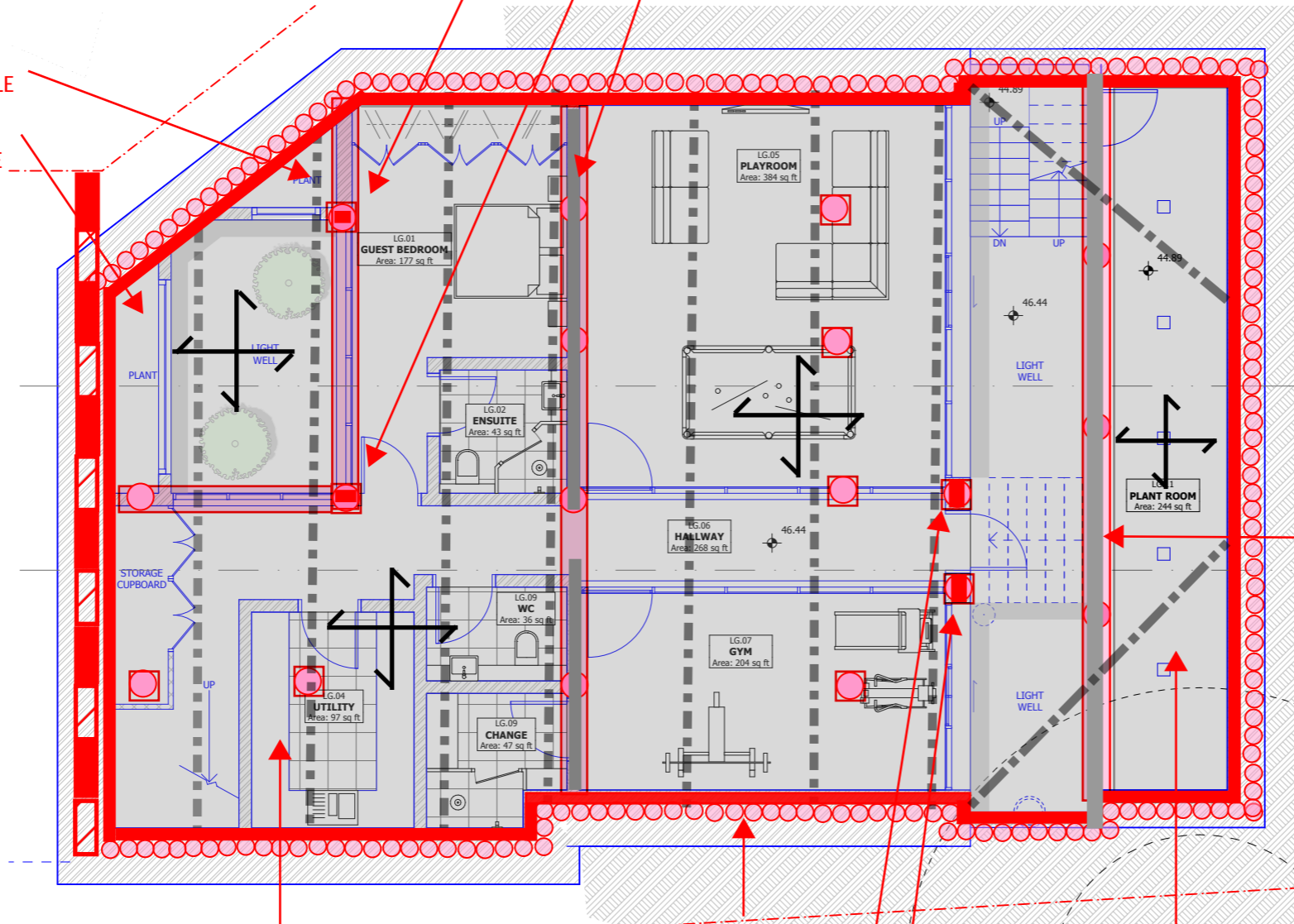
| | | | |
|--|----------------------------|---------------------------|-----------------------|
| engineersHRW | | | |
| Project Title: 9 Harley Road | | | |
| Drawing Title: Basement Construction from Basement Level | | | |
| Scale at A3: N/A | Drawn by: AH | Date: 14/12/15 | Checked: - |
| Drawing Status: Construction Methodology | | | |
| Project No: 1394 | Drawing Type: SK | Drawing No: 008 | Revision: - |

PHASE FIVE

WORKS FROM BASEMENT LEVEL

5.2 CAST 300mm RC TWO-WAY SUSPENDED BASEMENT SLAB. PERMANENTLY TIE IN WITH CONTIGUOUS PERIMETER PILE WALLS AND REINFORCED CONCRETE GROUND BEAMS. UNDERLAIN WITH SUITABLE COMPRESSIBLE FILL.

5.3 ONCE THE BASEMENT SLAB HAS REACHED ACHIEVABLE STRENGTH, CONSTRUCT LOAD BEARING RC COLUMNS AND WALLS



5.1 CONSTRUCT RC RETAINING WALL. TIE IN WITH GROUND BEAM.

5.2 CAST 300mm RC TWO-WAY SUSPENDED BASEMENT SLAB. PERMANENTLY TIE IN WITH CONTIGUOUS PERIMETER PILE WALLS AND REINFORCED CONCRETE GROUND BEAMS. UNDERLAIN WITH SUITABLE COMPRESSIBLE FILL.

5.4 CAST 200mm RC LINING WALLS.

5.3 ONCE THE BASEMENT SLAB HAS REACHED ACHIEVABLE STRENGTH, CONSTRUCT LOAD BEARING RC COLUMNS AND WALLS

5.0 CAST 300mm RC TWO-WAY SUSPENDED BASEMENT SLAB. PERMANENTLY TIE IN WITH CONTIGUOUS PERIMETER PILE WALLS AND REINFORCED CONCRETE GROUND BEAM. UNDERLAIN WITH SUITABLE COMPRESSIBLE FILL.

NOTE: THE CONDITION OF THE RETAINED FACADES WILL BE MONITORED THROUGHOUT EXCAVATION, CONSTRUCTION OF THE BASEMENT AND THE SUPERSTRUCTURE. REPAIR WORKS WILL BE CARRIED OUT AS REQUIRED.

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Project Title:
9 Harley Road

Drawing Title:
Basement Construction from Basement Level

| | | | |
|--------------|-----------|----------|----------|
| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

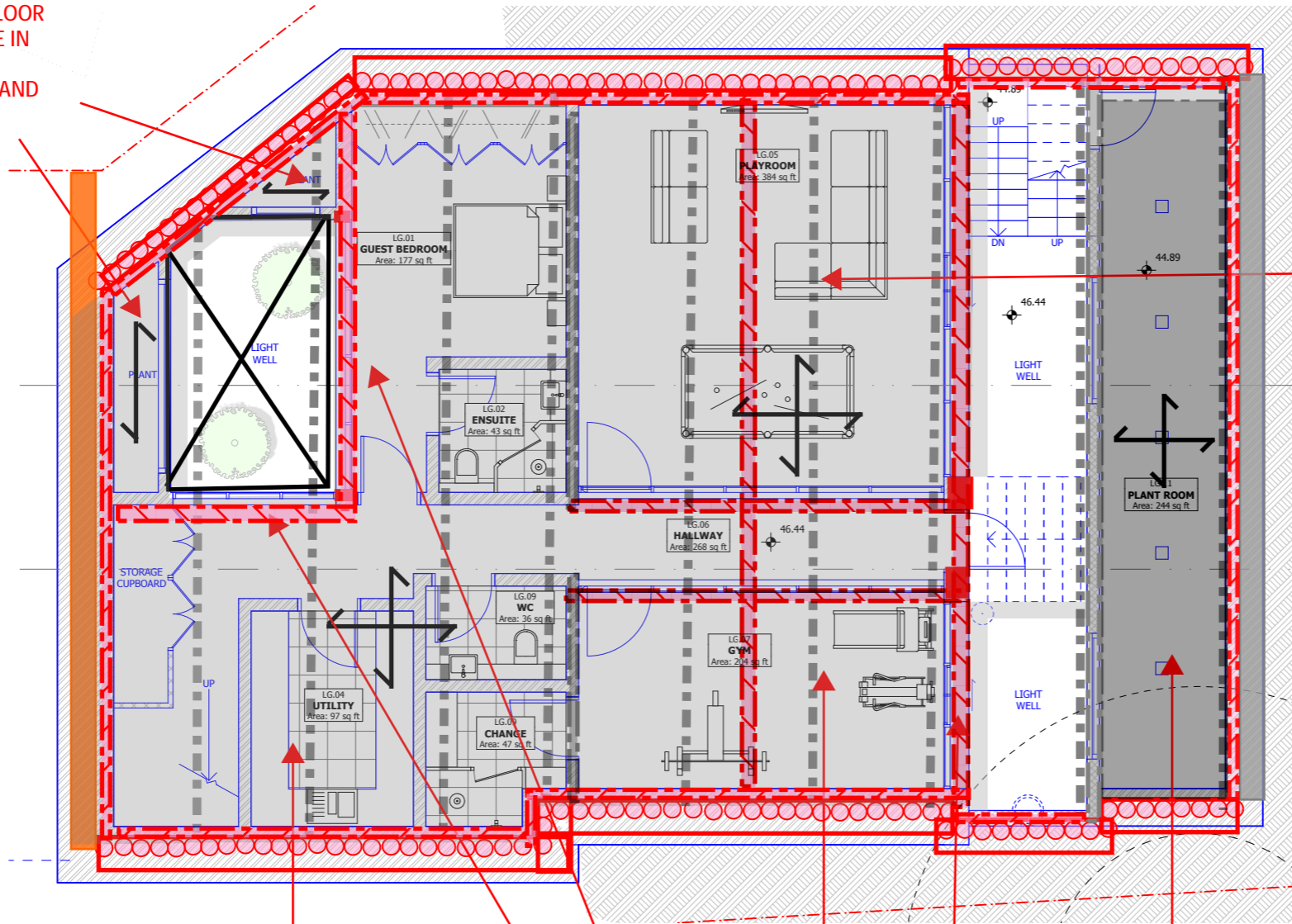
Drawing Status:
Construction Methodology

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| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1395 | SK | 009 | - |

PHASE SIX

WORKS FROM GROUND FLOOR LEVEL

6.2 CAST 300mm RC ONE-WAY SUSPENDED GROUND FLOOR SLAB. PERMANENTLY TIE IN WITH CONTIGUOUS PERIMETER PILE WALLS AND REINFORCED CONCRETE RETAINING WALL.



6.3 ONCE THE BASEMENT BOX HAS ACHIEVED FULL DESIGN STRENGTH, THE TEMPORARY PROPS PROPPING THE CONTIGUOUS PILED WALL CAN BE REMOVED.

6.4 COMMENCE THE CONSTRUCTION OF THE SUPER STRUCTURE, INCORPORATING THE RETAINED REAR FACADE.

6.2 CAST 300mm RC TWO-WAY SUSPENDED GROUND FLOOR SLAB. PERMANENTLY TIE IN WITH CONTIGUOUS PERIMETER PILE WALLS AND REINFORCED CONCRETE RETAINING WALL.

6.1 CAST INSITU 300mm RC BEAM

6.0 CONSTRUCT FORMWORK FOR GROUND FLOOR LEVEL SLAB. PROVIDE SUFFICIENT VERTICAL PROPPING.

6.1 CAST INSITU 450mm RC BEAM

6.2 CAST 300mm RC TWO-WAY SUSPENDED GROUND FLOOR SLAB. PERMANENTLY TIE IN WITH CONTIGUOUS PERIMETER PILE WALLS AND REINFORCED CONCRETE RETAINING WALL.

NOTE: THE CONDITION OF THE RETAINED FACADES WILL BE MONITORED THROUGHOUT EXCAVATION, CONSTRUCTION OF THE BASEMENT AND THE SUPERSTRUCTURE. REPAIR WORKS WILL BE CARRIED OUT AS REQUIRED.

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Project Title:
9 Harley Road

Drawing Title:
Basement Construction from Ground Floor Level

| | | | |
|--------------|-----------|----------|----------|
| Scale at A3: | Drawn by: | Date: | Checked: |
| N/A | AH | 14/12/15 | - |

Drawing Status:
Construction Methodology

| | | | |
|-------------|---------------|-------------|-----------|
| Project No: | Drawing Type: | Drawing No: | Revision: |
| 1394 | SK | 010 | - |