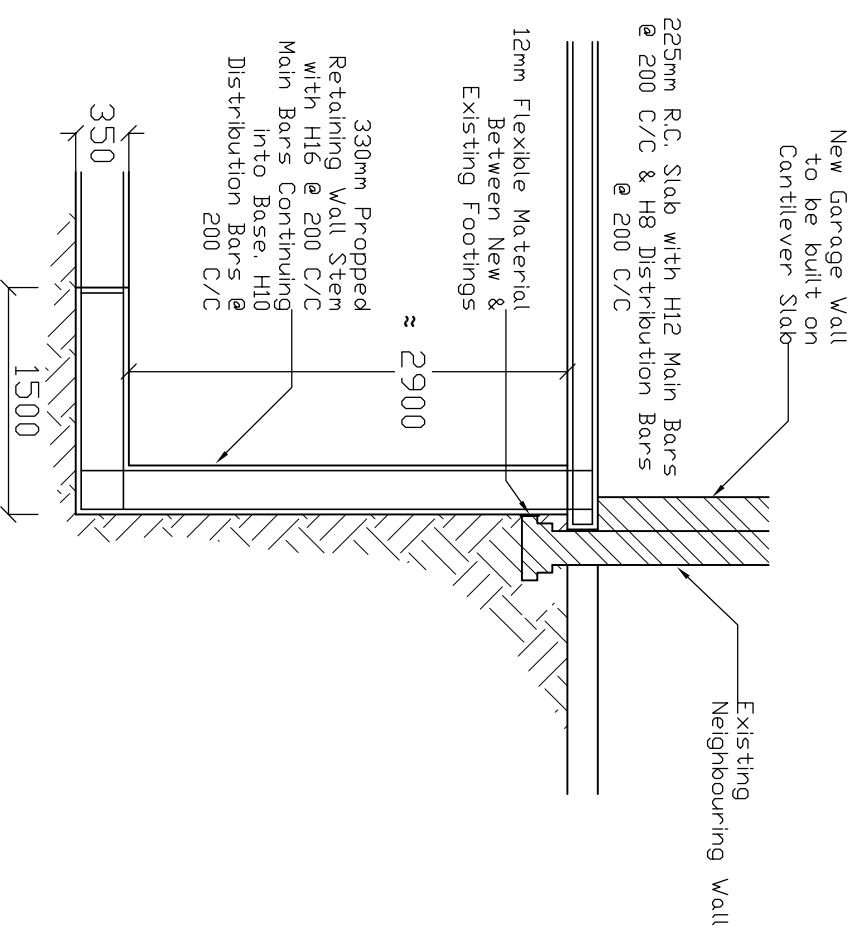


SECTION X-X



SECTION Y-Y

Construction

B	0/05/13	Smaller B to GF Wall Offset	
A	9/04/13	New Scheme - Maj. New Build	
Rev	Date	Description	App

Flank Wall Sections

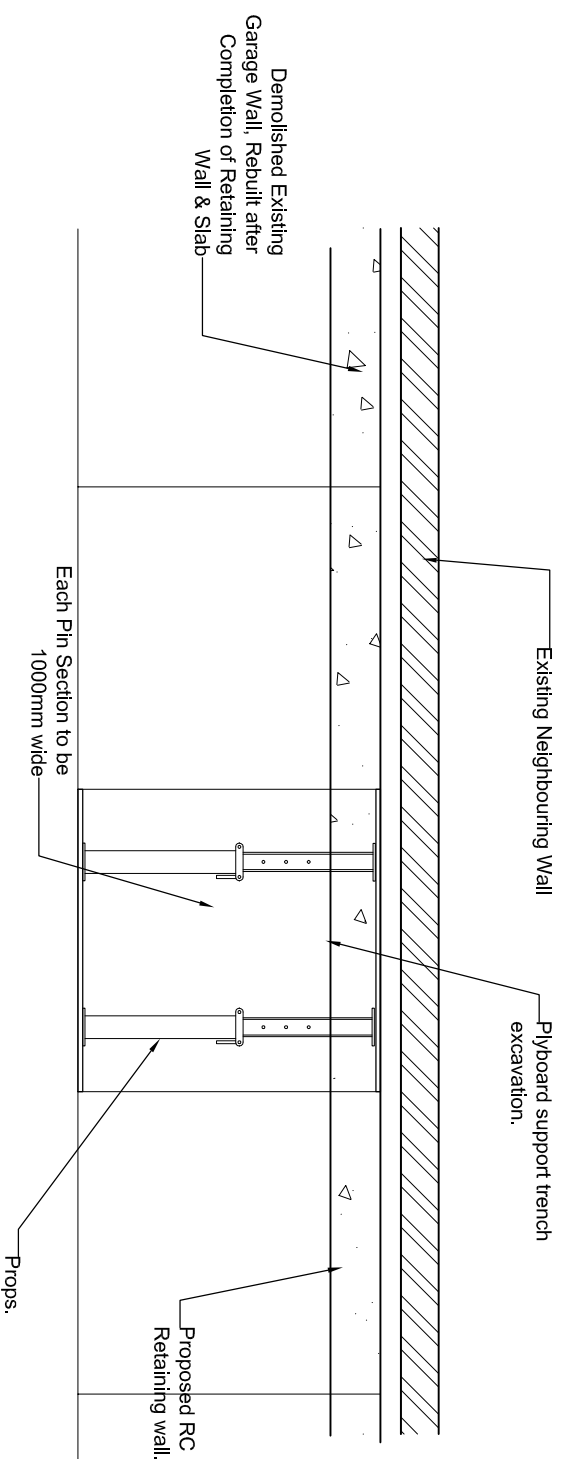
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6 Hale Lane, London NW7 3NX
Tel: 020-8959 1666 Fax: 020-8906 8503

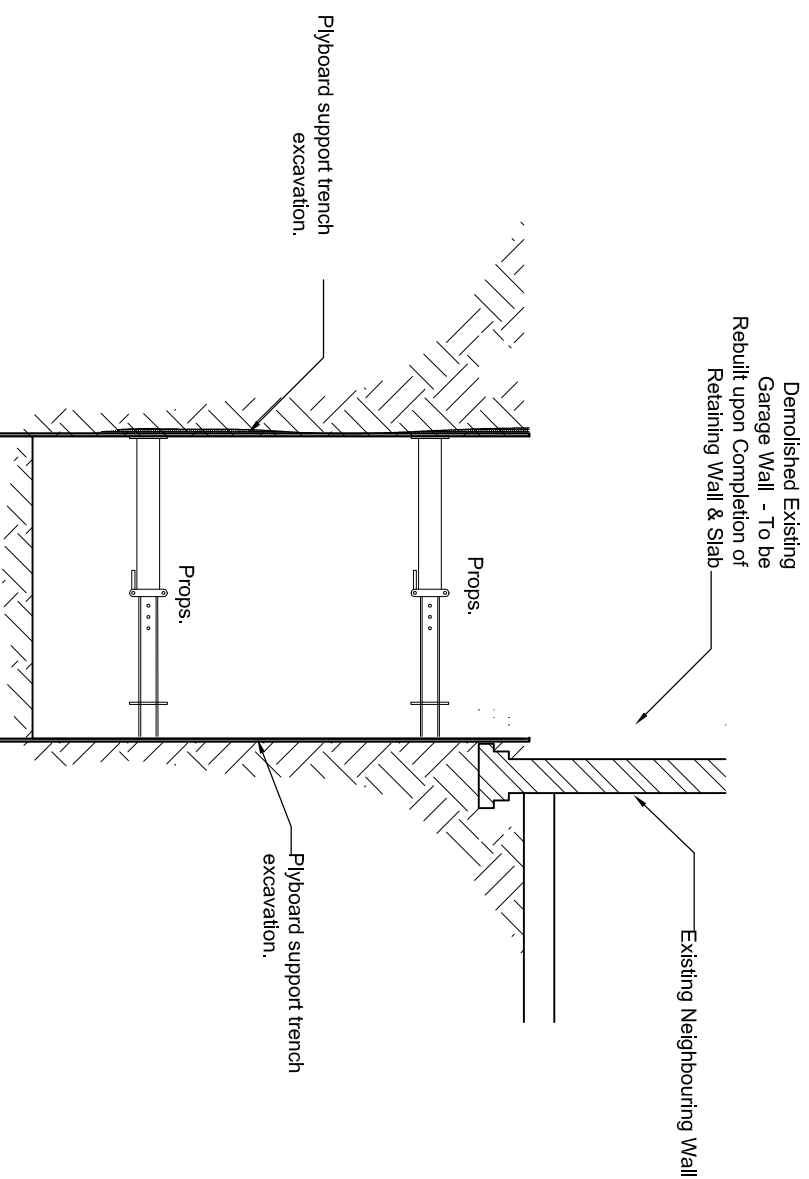
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Eng. Kl	Scale 1:50	Rev	
Job No.	12-302	3	B

Project 36 Heath Drive, London

TEMPORARY WORKS PROPOSAL TO CONSTRUCT NEW R.C. BASEMENT INCLUDING RETAINING WALL CLOSE TO EXISTING MASONRY PARTY WALL (SECTION Y-Y)



Plan of each Pin in section Y-Y.



Section Stage .1

SEQUENCE OF CONSTRUCTION

1. EXCAVATE IN SEQUENCE TO CONSTRUCT NEW R.C. RETAINING WALL.
2. STABILISED EXCAVATION WITH PLYBOARDS AND PROPS
3. CAST SECTION OF RC BASE WITH 75mm KICKER AND WATER BAR .
4. CAST SECTION OF RC RETAINING WALL TO UNDERSIDE OF PROPOSED NEW SUSPENDED SLAB
5. CONTINUE CONTINUE SEQUENCE UNTILL THE ENTIRE RETAINING WALL IS CONSTRUCTED. (EXCAVATE, PROPOSED AND RETAINING WALL CONSTRUCTION).

NOTES

1. EXCAVATION FOR REINFORCED CONCRETE RETAINING WALLS. WORKING IN STRIPS NOT EXCEEDING 1M LONG EXCAVATE TO REQUIRED DEPTH ADJACENT EXISTING STRUCTURE.
2. CAST NEW CONCRETE BASE AND ALLOW 24 HOURS TO CURE. STARTER BARS TO EXTEND 400 ABOVE BASE FOR LAPPING PURPOSES (SEE DETAILS FOR BAR SIZES).
3. VERTICAL & HORIZONTAL REINFORCEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH DESIGN INFORMATION AND ANY REINFORCEMENT SCHEDULES PROVIDED BY THE ENGINEER.
4. SHUTTERING & PROPPING TO BE DESIGNED BY CONTRACTOR.
5. CAST NEW CONCRETE WALL ENSURING GROUND BEHIND NEW FOUNDATION & WALL IS FULLY BACKFILLED AND COMPACTED CHECK AT REGULAR INTERVALS TO ENSURE THIS DURING CONSTRUCTION.
6. NEVER EXCAVATE TWO ADJACENT STRIPS WITHOUT ALLOWING 3 DAYS BETWEEN OPERATIONS.
7. WHEN ADJACENT SECTIONS ARE OPENED UP THE EXPOSED CONCRETE SURFACES SHOULD BE THOROUGHLY CLEANED OF ALL LOOSE MATERIAL & SCABBLED TO FORM A GOOD KEY.
8. ALL REASONABLE CARE IS TO BE TAKEN TO PREVENT INJURIES TO PERSONS WORKING NEAR EXPOSED BARS ETC. (THREADED COPULERS WOULD BE SUITABLE).
9. ALL NEW CONCRETE BELOW GROUND TO BE SULPHATE RESISTING CEMENT CONC. GRADE 35.
10. TRIAL PIT TO BE EXCAVATED TO CONFIRM EXISTANCE OF ANY EXISTING STRUCTURE.
11. REINFORCEMENT SHALL BE TO BS4110 WITH MAIN BARS TO BE GRADE 460 (HIGH YIELD).
12. READY MIX CONCRETE MUST BE OBTAINED FROM A PLANT THAT HOLDS A CURRENT CERTIFICATE OF ACCREDITATION UNDER THE QUALITY SCHEME FOR READY MIX CONCRETE.
13. NO CONCRETE IS TO BE PLACED WHEN THE AMBIENT AIR TEMPERATURE IS LESS THAN 5 DEGREES C.

Preliminary

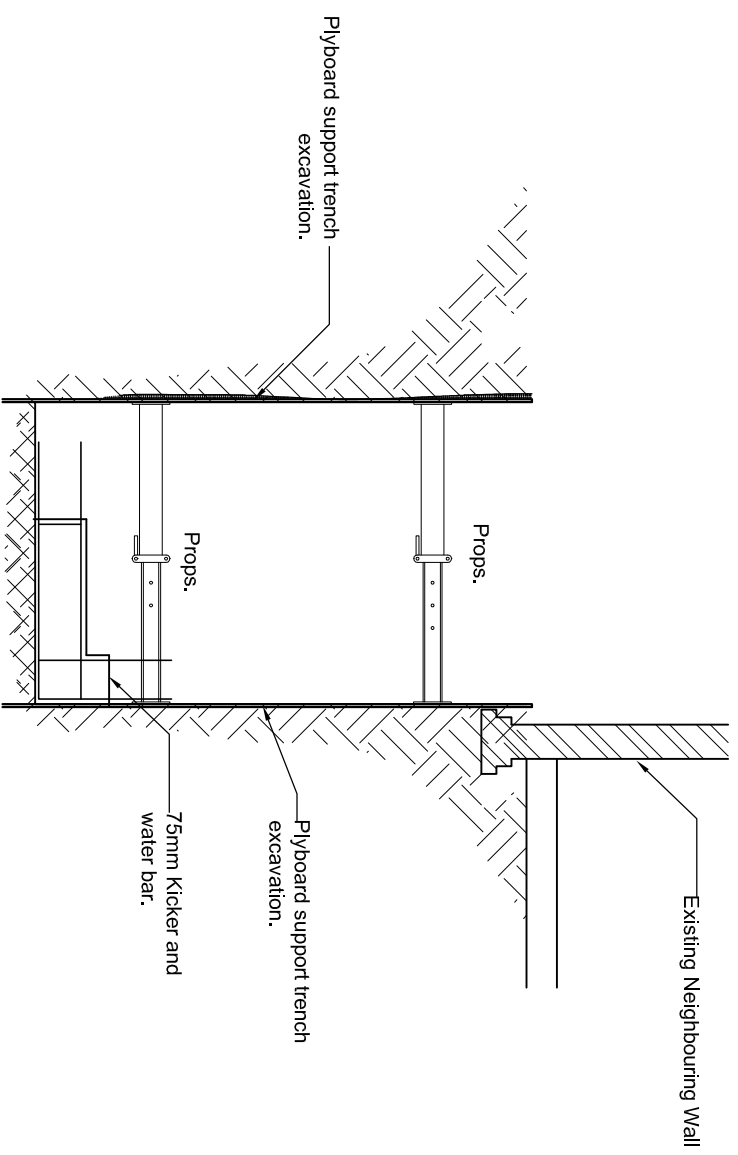
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Title Temporary works/ Underpin

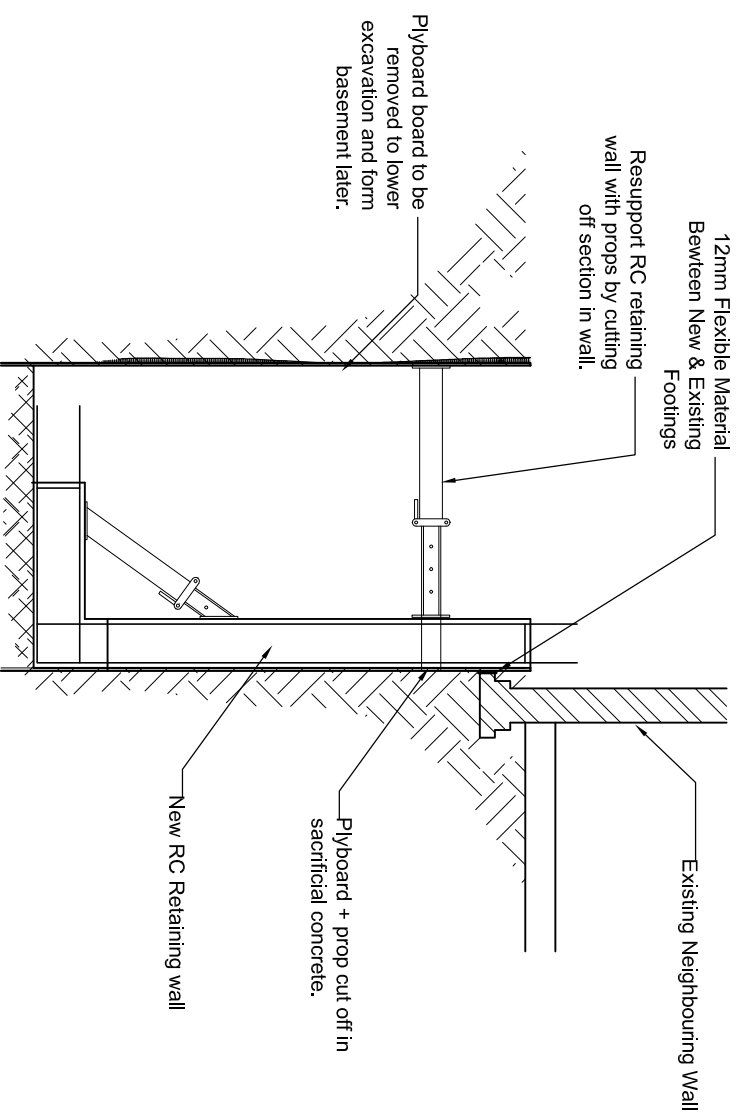
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Date	07 / 09 / 2012	Sheet No.	TP1	Rev	A
Eng. SG	Scale -				
Job No.	12-302				
Project	36 Heath Drive, London				



Section Stage .2



Section Stage .3

6. EXCAVATE BY LOWERING THE EARTH IN TWO STAGE.
7. INSTALL HORIZONTAL SUPPORT (MABEY SUPER PROP) TO TOP R.C. RETAINING WALL
8. EXCAVATE THE REMAINING EARTH TO THE UNDERSIDE OF R.C. BASEMENT SLAB .
9. INSTALL HORIZONTAL SUPPORT (MABEY SUPER PROP) TO BOTTOM OF R.C. RETAINING WALL.
10. CAST SECTION OF R.C. BASEMENT SLAB.

Preliminary

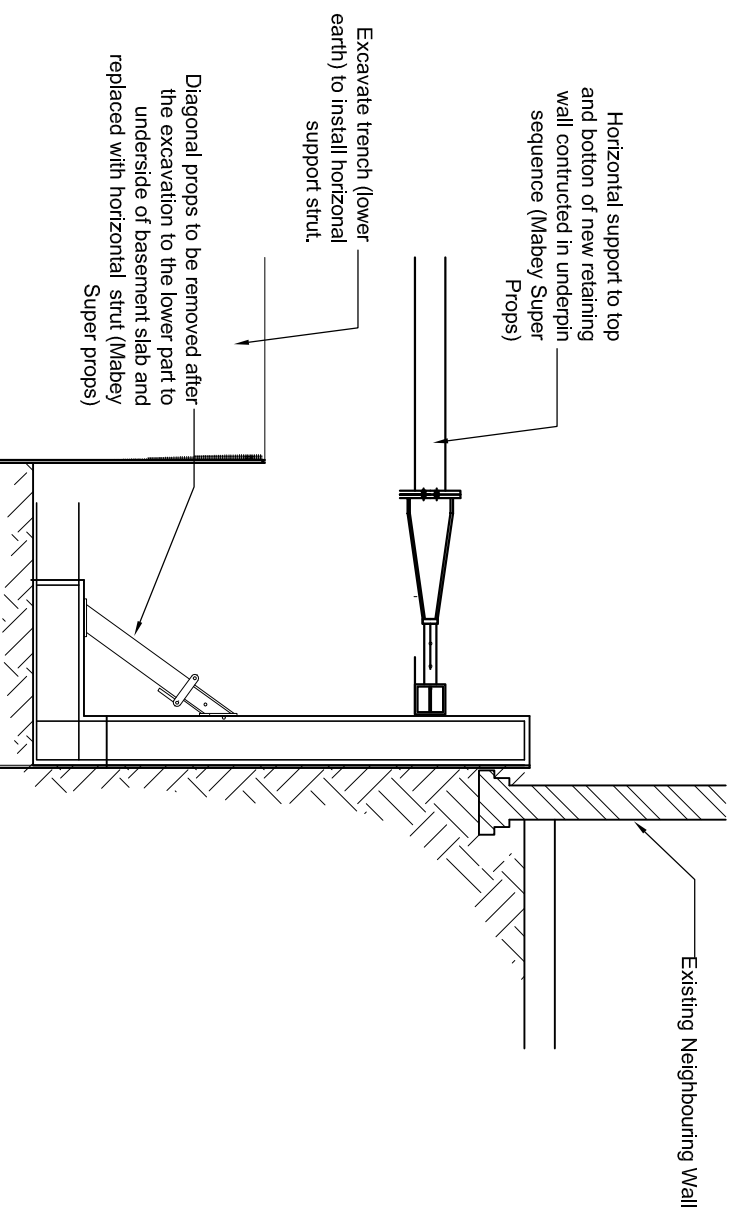
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Title Temporary works/ Underpin

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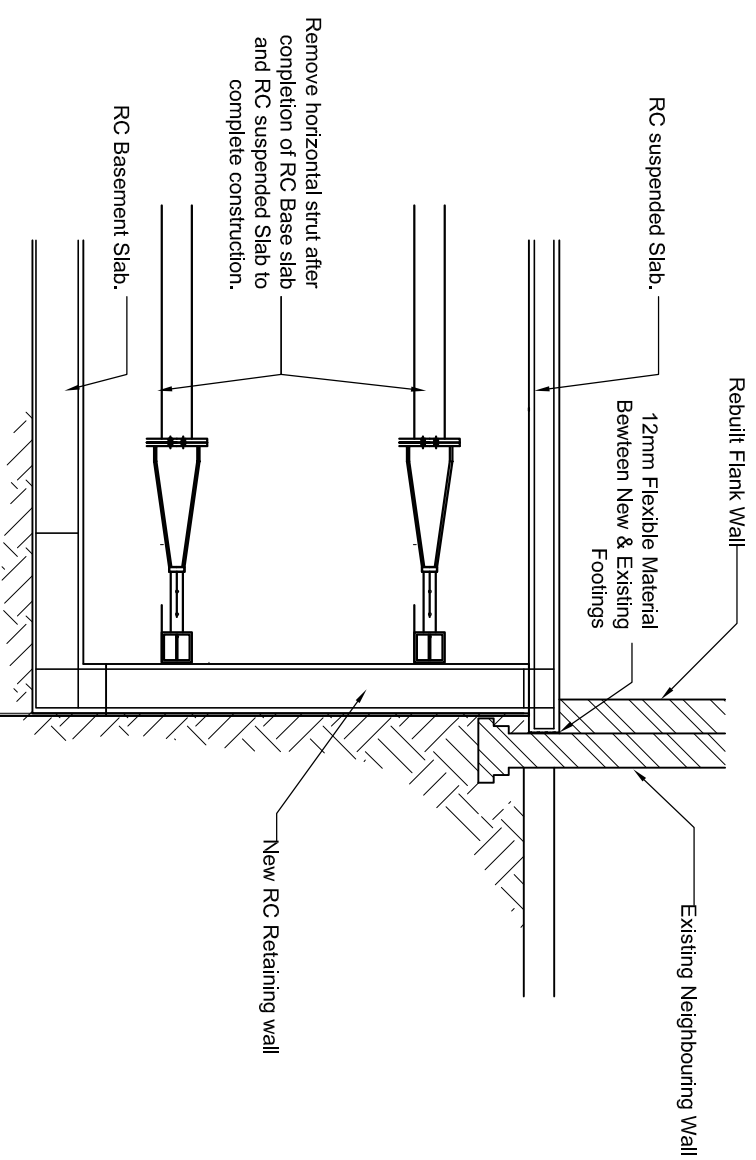
3 Edward Square, London N1 0SP ■
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Tel: 020-8959 1666 Fax: 020-8906 8503

Date 07/09/2012
Eng. SG Scale
Job No. 12-302
Sheet No. **TP2** Rev **A**
Project 36 Heath Drive, London



Section Stage .4

- 11. REMOVE BOTTOM HORIZONTAL STRUT (MABEY SUPER PROP).
- 12. CAST R.C SUSPENDED BASEMENT SLAB TO COMPLETE BASEMENT BOX.
- 13. REMOVE TOP HORIZONTAL STRUT.



Section Stage .5

Preliminary

Rev	Date	Description	App
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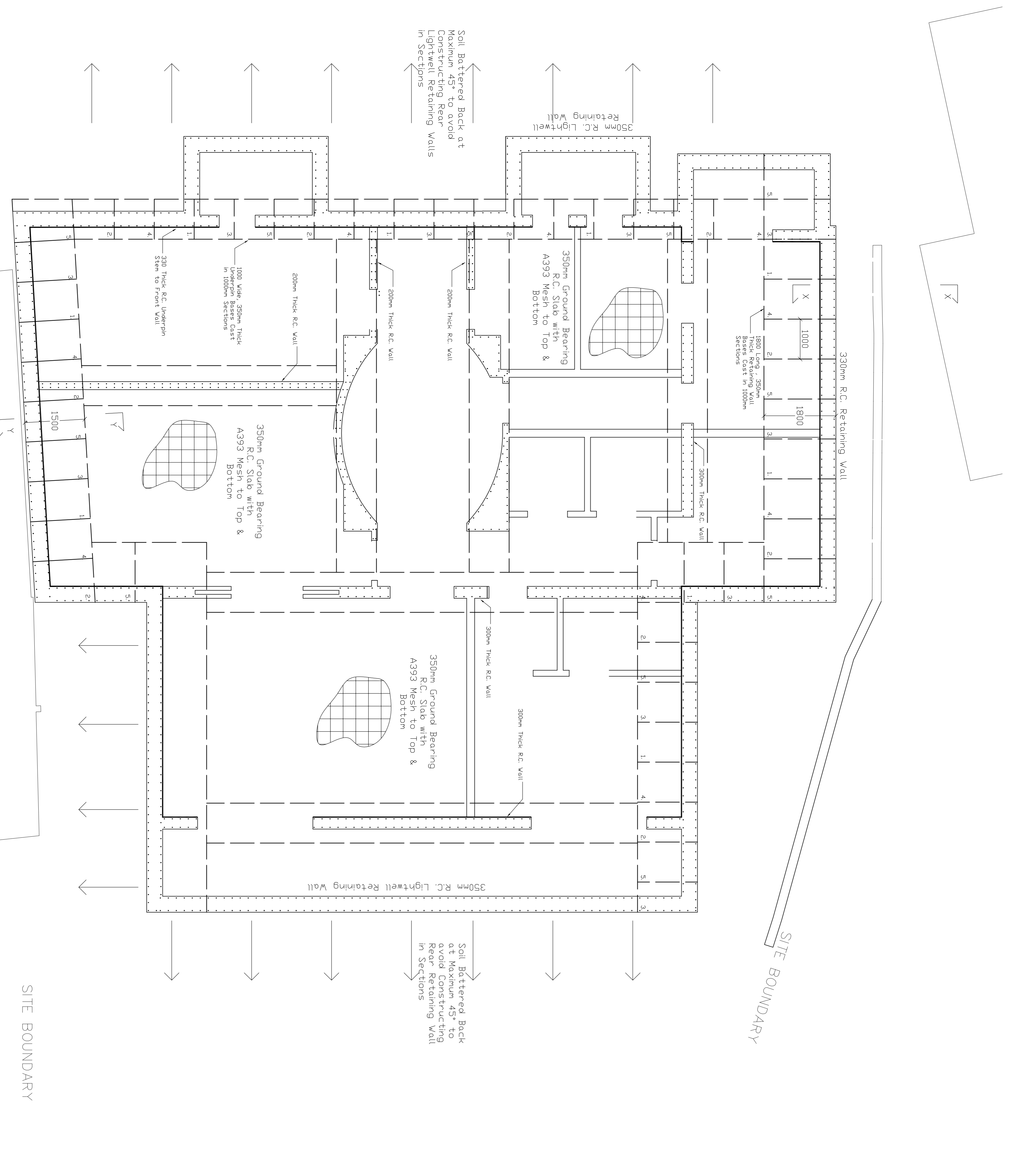
Title **Temporary works/ Underpin**

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Date	07/09/2012	Sheet No.	Rev
Eng. SG	Scale	TP3	A
Job No.	12-302		

Project **36 Heath Drive, London**



Soil Battered Back at Maximum 45° to avoid Constructing Rear Lightwell Retaining Walls in Sections

Soil Battered Back at Maximum 45° to avoid Constructing Rear Lightwell Retaining Walls in Sections

Basement Plan

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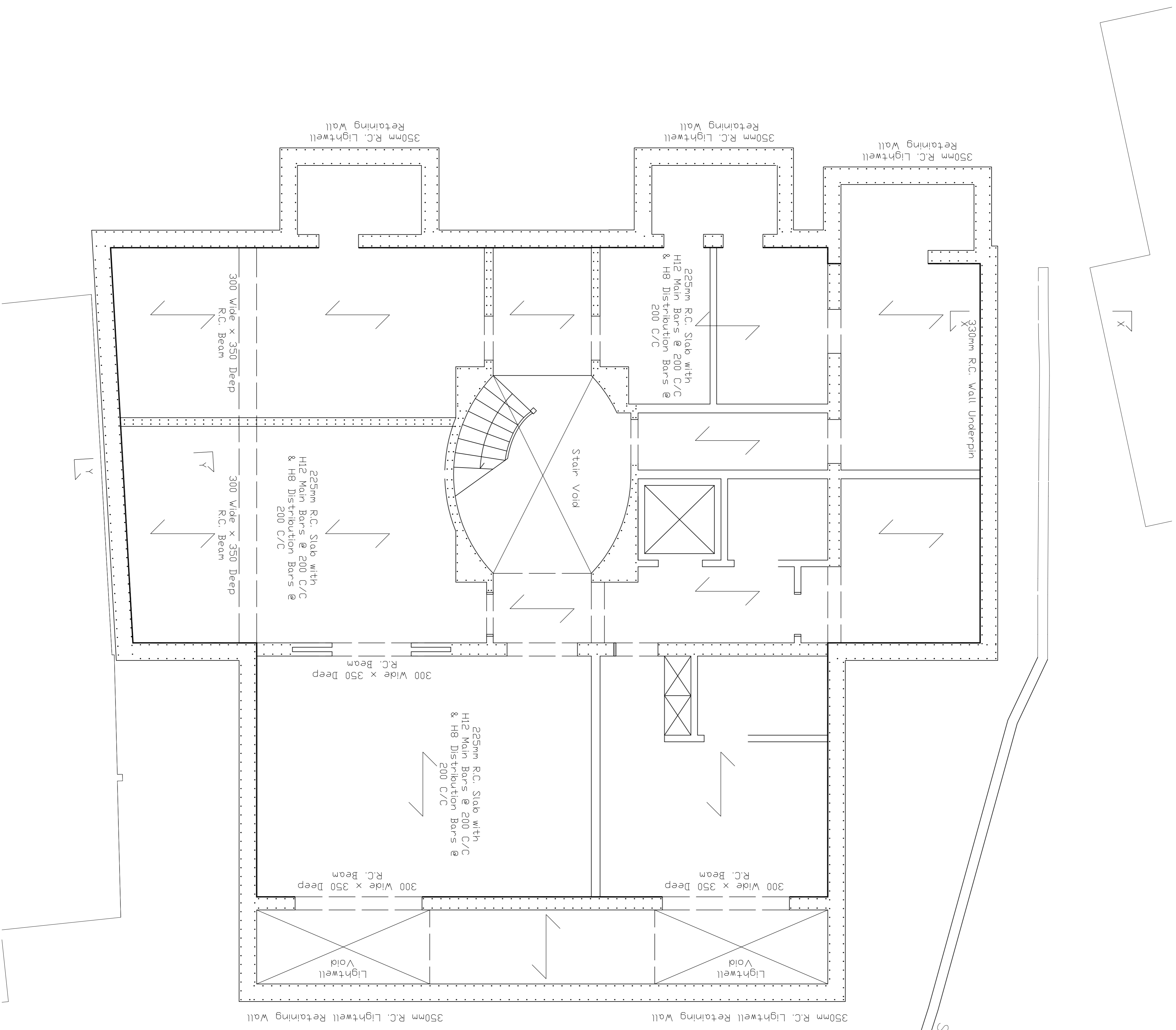
Rev	Date	Description	App
1			

Eng. No. 123022 Scale 1:500
 Job No. 123022 Sheet No. B
 Project 36, Farnham Drive, London

- NOTES**
1. ALL DIMENSIONS TO BE VERIFIED ON SITE.
 2. EXISTING CONDITIONS SHALL BE AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE SPECIFIED.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
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 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
 9. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.

PROVISION FOR THE PROVISION OF CONCRETE REINFORCEMENT SHALL BE AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE SPECIFIED.

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.
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10. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE BRITISH STANDARDS INSTITUTION (BSI) STANDARDS REFERRED TO IN THESE NOTES.



SITE BOUNDARY

SITE BOUNDARY

Rev	Date	Description	App
B	10/06/13	Revised Scheme - Rev. Plan	
A	19/04/13	New Scheme - Final Wall R.C. Only	

Foundation Plan

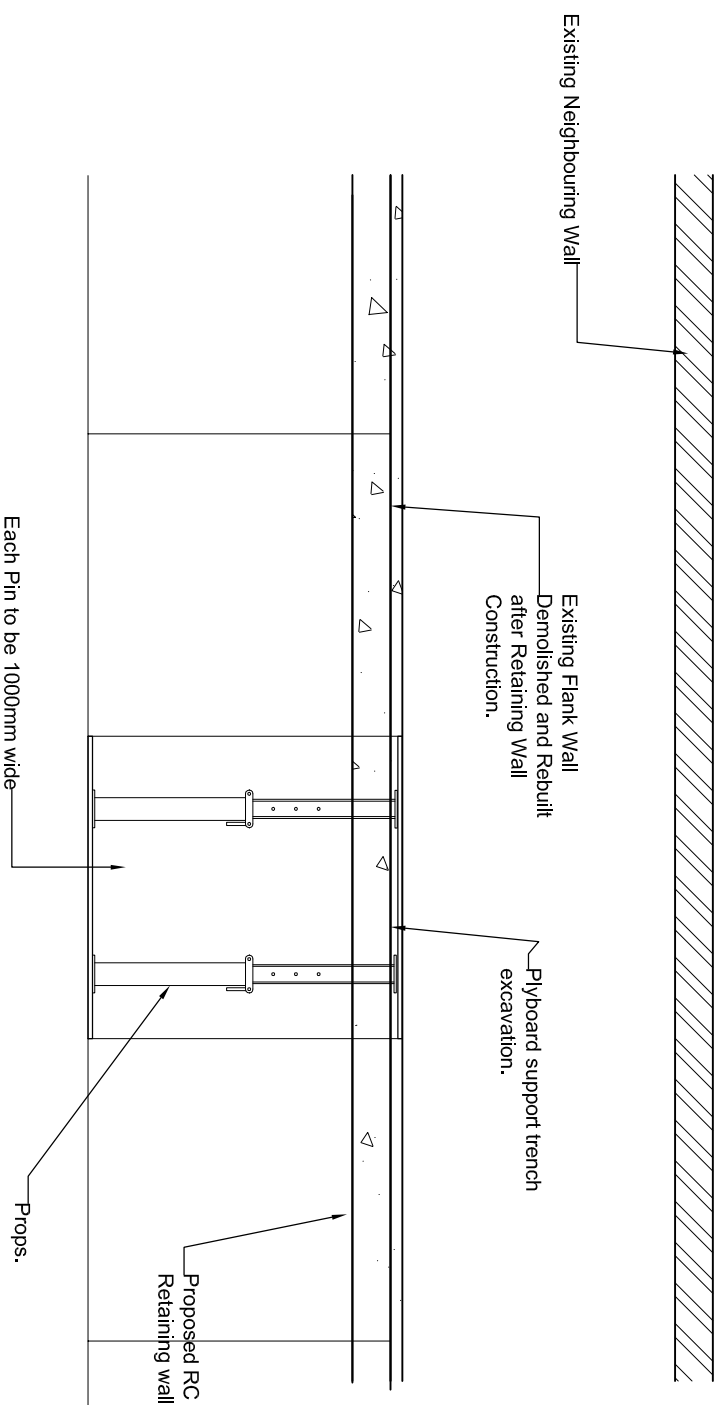
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3, Edward Street, London, N1 0SP 7317 3211

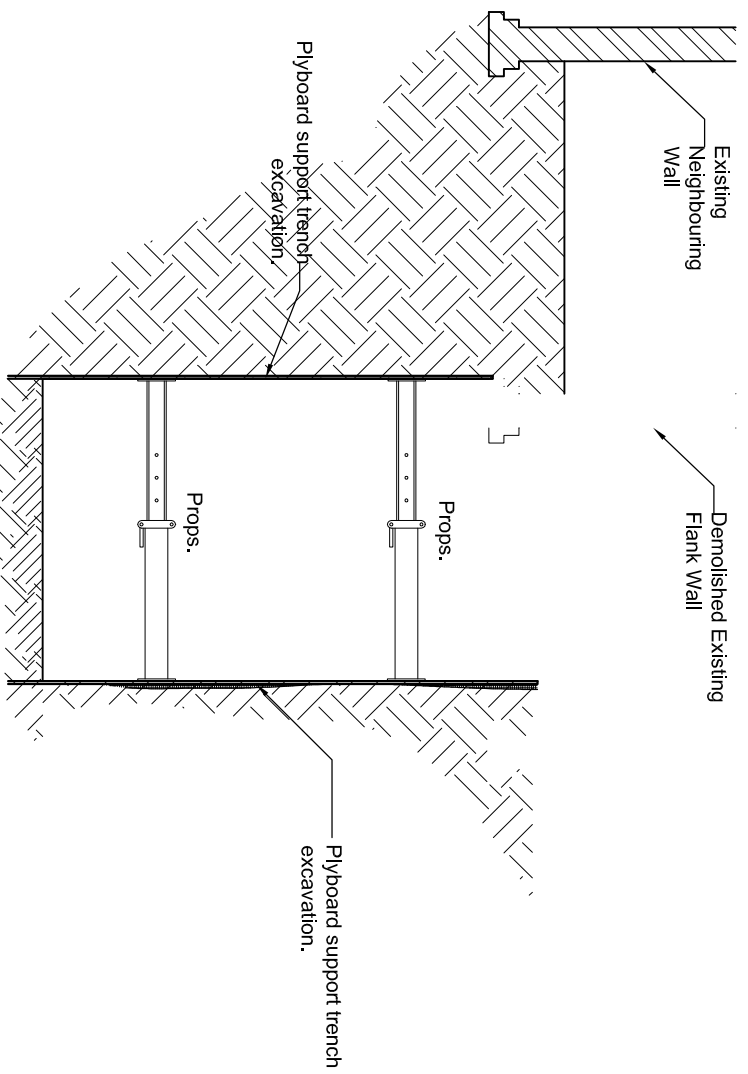
6 Hulse Road, London, NW7 3NU
Tel: 020-8959 1666 Fax: 020-8906 5503

Date: 05/10/12/2012 Sheet No. Rev
Job No. 12-302 **2** **B**
Project: 36 Hester Drive, London

TEMPORARY WORKS PROPOSAL TO CONSTRUCT NEW R. C. BASEMENT INCLUDING RETAINING WALL CLOSE TO EXISTING MASONRY PARTY WALL (SECTION X-X)



Plan of each Pin in section X-X.



Section Stage .1

- SEQUENCE OF CONSTRUCTION**
1. EXCAVATE IN SEQUENCE TO CONSTRUCT NEW R.C RETAINING WALL.
 2. STABILISED EXCAVATION WITH PLYBOARDS AND PROPS
 3. REMOVE ANY LOOSE EXISTING CONCRETE NEAR UNDERSIDE OF BRICK CORBEL IF ANY.
 4. CAST SECTION OF RC BASE SLAB WITH 75mm KICKER AND WATER BAR .
 5. CAST SECTION OF RC RETAINING WALL TO TOP, READY TO RECEIVE SLAB.

- NOTES**
- EXCAVATION FOR REINFORCED CONCRETE RETAINING WALLS
1. WORKING IN STRIPS NOT EXCEEDING 1M LONG EXCAVATE TO REQUIRED DEPTH ADJACENT EXISTING STRUCTURE.
 2. CAST NEW CONCRETE BASE AND ALLOW 24 HOURS TO CURE. STARTER BARS TO EXTEND 400 ABOVE BASE FOR LAPING PURPOSES (SEE DETAILS FOR BAR SIZES).
 3. VERTICAL & HORIZONTAL REINFORCEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH DESIGN INFORMATION AND ANY REINFORCEMENT SCHEDULES PROVIDED BY THE ENGINEER.
 4. SHUTTERING & PROPPING TO BE DESIGNED BY CONTRACTOR.
 5. CAST NEW CONCRETE WALL ENSURING GROUND BEHIND NEW FOUNDATION & WALL IS FULLY BACKFILLED AND COMPACTED. CHECK AT REGULAR INTERVALS TO ENSURE THIS DURING CONSTRUCTION.
 6. NEVER EXCAVATE TWO ADJACENT STRIPS WITHOUT ALLOWING 3 DAYS BETWEEN OPERATIONS.
 7. WHEN ADJACENT SECTIONS ARE OPENED UP THE EXPOSED CONCRETE SURFACES SHOULD BE THOROUGHLY CLEANED OF ALL LOOSE MATERIAL & SCABBLED TO FORM A GOOD KEY.
 8. ALL REASONABLE CARE IS TO BE TAKEN TO PREVENT INJURIES TO PERSONS WORKING NEAR EXPOSED BARS ETC. (THRESHOLD COUPLERS WOULD BE SUITABLE).
 9. ALL NEW CONCRETE BELOW GROUND TO BE SULPHATE RESISTING CEMENT CONC. GRADE 35.
 10. TRIAL PIT TO BE EXCAVATED TO CONFIRM EXISTANCE OF ANY EXISTING STRUCTURE.
 11. REINFORCEMENT SHALL BE TO BS-4110 WITH MAIN BARS TO BE GRADE 460 (HIGH YIELD).
 12. READY MIX CONCRETE MUST BE OBTAINED FROM A PLANT THAT HOLDS A CURRENT CERTIFICATE OF ACCREDITATION UNDER THE QUALITY SCHEME FOR READY MIX CONCRETE.
 13. NO CONCRETE IS TO BE PLACED WHEN THE AMBIENT AIR TEMPERATURE IS LESS THAN 5 DEGREES C.

5. CAST SECTION OF RC RETAINING WALL TO TOP, READY TO RECEIVE SLAB.

Preliminary

Rev	Date	Description	App
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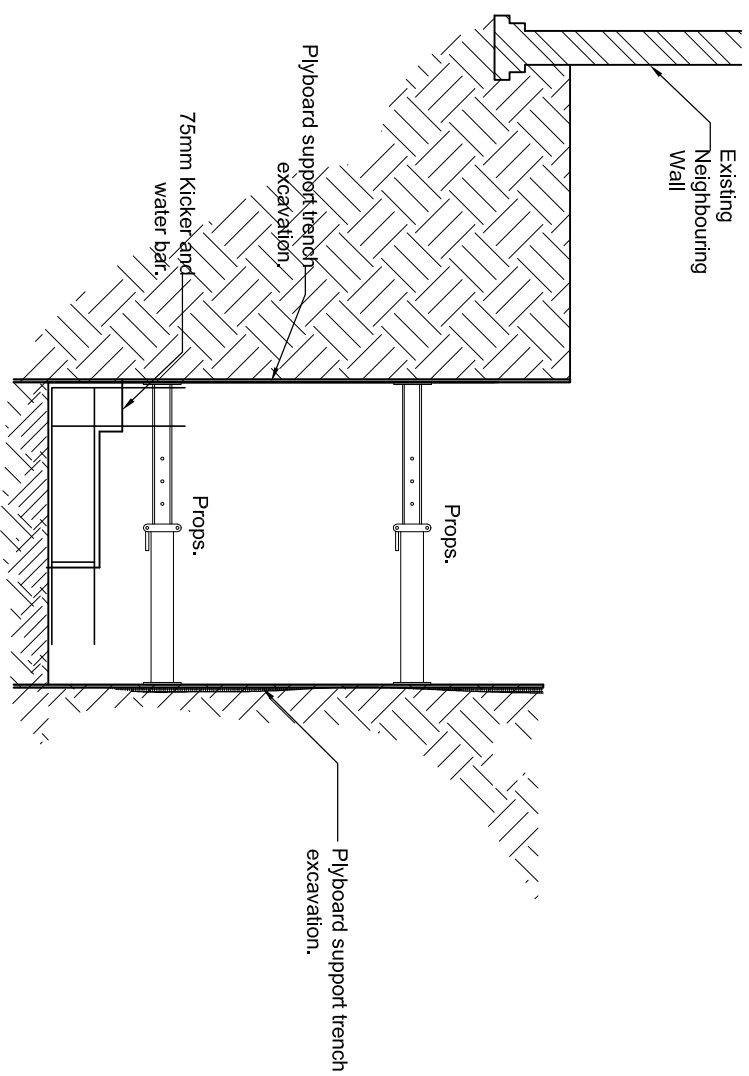
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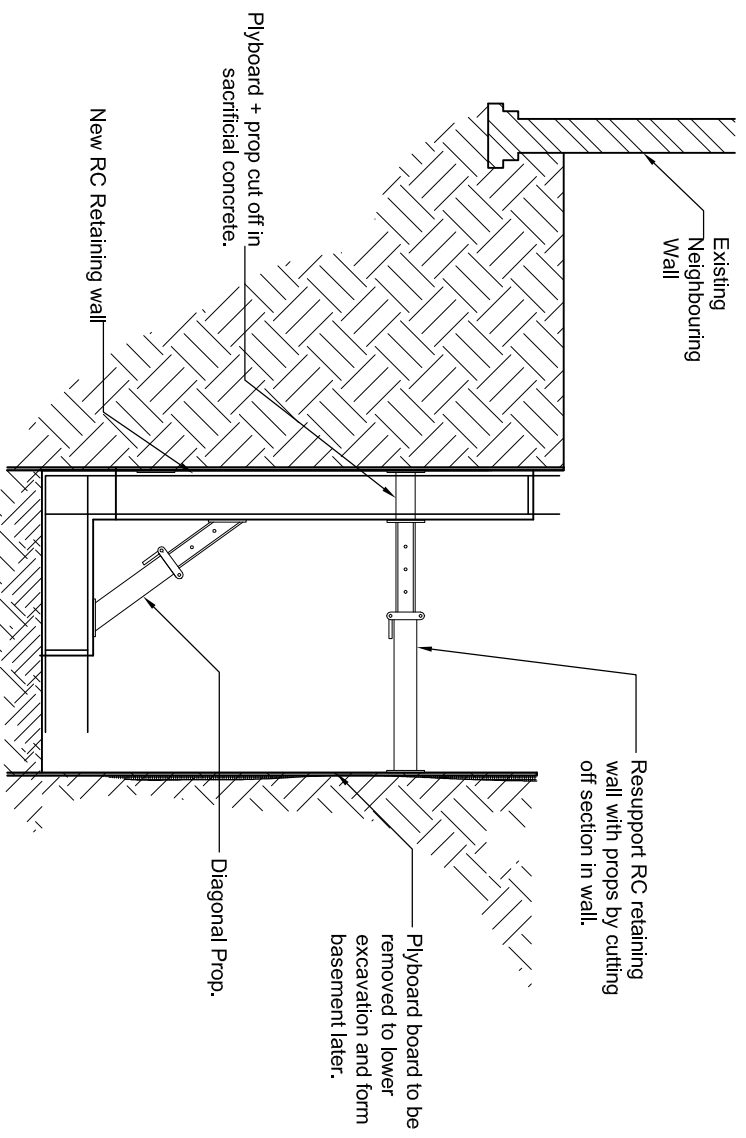
3 Edward Square, London N1 0SP
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Eng. SG Scale	TP101 A
Job No. 12-302	Project
36 Heath Drive, London	



Section Stage .2



Section Stage .3

6. ADEQUATE REBAR INCLUDING LAP (IF REQUIRED) TO RECEIVE SLAB.
7. CONTINUE SEQUENCE UNTILL THE ENTIRE RETAINING WALL IS CONSTRUCTED. (EXCAVATE, PROPOSED AND RETAINING WALL CONSTRUCTION).
8. EXCAVATE BY LOWERING THE CENTRAL AREA SOIL (FIRST OF TWO STAGES).
9. INSTALL HORIZONTAL SUPPORT (MABEY SUPER PROP) TO TOP R.C. RETAINING WALL
10. EXCAVATE THE REMAINING SOIL TO THE UNDERSIDE OF R.C. BASEMENT SLAB .
11. INSTALL HORIZONTAL SUPPORT (MABEY SUPER PROP) TO BOTTOM OF R.C. RETAINING WALL.

Preliminary

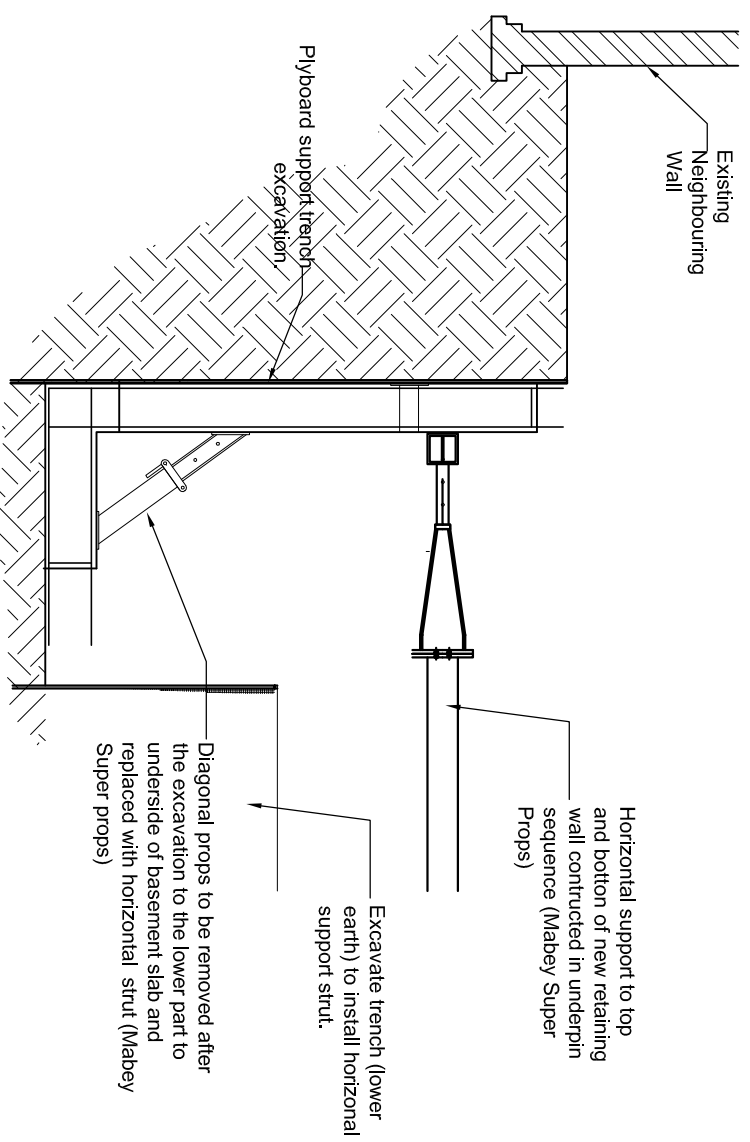
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Title Temporary works/ Underpin

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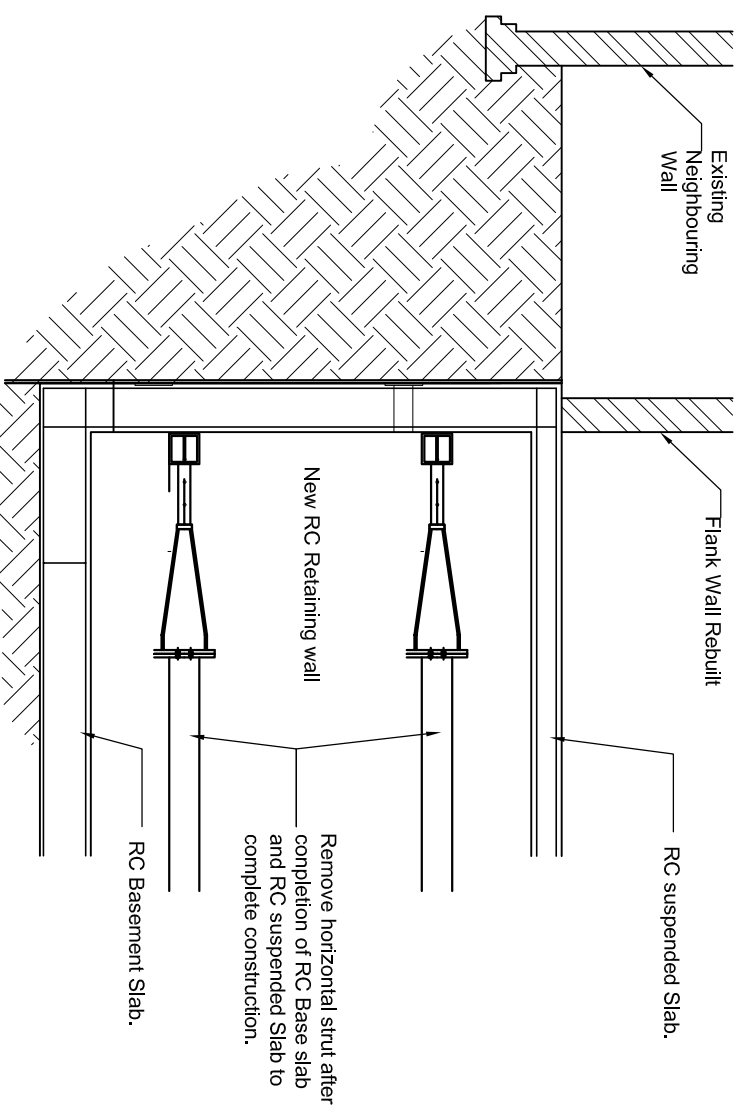
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Eng. SG	Scale	TP102	A
Job No.	12-302	Project	
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Section Stage .4

12. CAST REINFORCED CONCRETE BASEMENT SLAB
13. REMOVE BOTTOM HORIZONTAL STRUT (MABEY SUPER PROP).
14. CAST R.C SUSPENDED BASEMENT SLAB TO COMPLETE BASEMENT BOX.
15. REMOVE TOP HORIZONTAL STRUT.
16. CONSTRUCT NEW FLANK WALL AT GROUND LEVEL ON TOP OF RETAINING WALL.



Section Stage .5

Preliminary

Rev	Date	Description	App
A	0/05/13	Flank Wall Rebuilt	

Title Temporary works/ Underpin

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Job No.	12-302	Project	
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