BYRNELOOBY

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Tuesday 7 April 2020 Ref: 7922/S/LT/001

Tori MacCabe Marek Wojciechowski Architects 66 - 68 Margaret Street London W1W 8SR

7, Branch Hill, London, NW3 7LT Section 73 Application - Basement Impact Assessment

Dear Tori

This letter is produced in support of an application being submitted by Marek Wojciechowski Architects under Section 73 TCPA 1990 for a non-material amendment to the proposed redevelopment at 7, Branch Hill, NW3 7LT.

The amendment to the proposals relates to a reduced extent of basement, as shown on the current structural drawings included in Appendix B. The 2018 scheme drawings are included in Appendix A for comparison.

A full Basement Impact Assessment, was originally submitted in April 2013, then revised and resubmitted in April 2018. The 2018 Basement Impact Assessment was prepared for the 2018 scheme included in Appendix A. The 2018 Basement Impact Assessment includes: a ground movement analysis; detailed ground investigations; and a study to assess any potential risk or damage to neighbouring buildings and services.

The 2018 Basement Impact Assessment was prepared for a larger new basement, but the extent of the new basement has now been reduced, as noted below:

- Basement footprint to Branch Hill side reduced.
- Shallower excavation for the pool area.

Other areas of the basement remain unchanged. See drawings in Appendix A and B for reference and comparison.

Upon consideration of the amendment proposing a reduced extent of basement, we confirm



that the revised basement layout will have no material effect on the findings and conclusions of the 2018 Basement Impact Assessment.

Please do contact us if you have any queries or require any further information.

Yours Sincerely For ByrneLooby,

Derek Crous MSc CEng MIStructE Associate

Salvatore Calì _{Dott. Ing} Project Engineer



APPENDIX A STRUCTURAL DRAWINGS – PREVIOUS SCHEME INCLUDED IN SECTION 73 APPLICATION FROM APRIL 2018



NO	TES:	

1.	All Structural Engineering drawings are to be read with the specification
	and with all relevant Architect's and service Engineer's drawings and
	specification.

- DO <u>NOT</u> SCALE from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
- 3. All dimensions are in millimetres and levels in metres.
- 4. The information shown on this drawing has been prepared based on existing drawings. No guarantee is given that the information shown represents actual existing site conditions.
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- 6. Boundary line and other demises shown on this drawing are indicative only and are to be confirmed by others.
- 7. All waterproofing and damp proofing membranes by Main contractor.
- 8. All concrete to perimeter walls and slabs on ground is to contain a proprietary water resistant concrete additive.

NEW RC WALL

STRUCTURE UNDER

A 03.04.18 ETC Revised as c - 17.03.16 IStypas Issue for Pla	clouded/ Section 7	3 Application
Rev Date Issued Status Plan	Amen ning	dment
SINCLAIR		N S T O N ril & Structural Engineers
	wv	93 Great Suffolk Street London SE1 0BX T: 020 7593 1900 F: 020 7593 1910 ww.sinclairjohnston.co.uk
Judge's Lodge	2	
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Floor Plan	arouna	
Drawn Author	Scale	1 : 50 @ A1
Project No./Drawing No. 7922-009		Rev A



to be as existing

NOTES:

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- All concrete to perimeter walls and slabs on ground is to contain a 8. proprietary water resistant concrete additive.

Steelv	vork Schedule - Le	vel 00
Ref	Definition	Comments
C1	140x140x10.0 SHS	
C2	150x100x10.0 RHS	

THIS DRAWING IS NOT FOR CONSTRUCTION

 A
 03.04.18
 ETC
 Revised as clouded/ Section 73 Application

 19.04.13
 TJM
 Issued for Planning
 Rev Date Issued Amendment Status Planning SINCLAIR JOHNSTON Consulting Civil & Structural Engineers

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<u>Judge's Lodge</u> <u>7 Branch Hill, NW3</u>

Proposed Ground Floor Plan

Drawn I.Stypas Project No./Drawing No.

7922-P011

Rev Α



and brick to be as existing

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- 6. All waterproofing details and specifications by others.

В	03.04.18	ETC	Revised as clouded/ Section 73 Application
А	15.10.13	TJM	RC columns b'twn Grids 3-4 moved back
-	19.04.13	TJM	Issued for Planning
Rev	Date	Issued	Amendment
Status			Planning

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<u>Judge's Lodge</u> 7 Branch Hill, NW3

Proposed First Floor Plan

Scale 1 : 50 @ A1

Project No./Drawing No. 7922-P012

Drawn Author

Rev

В



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- 7. All waterproofing and damp proofing membranes by Main contractor.
- 8. All concrete to perimeter walls and slabs on ground is to contain a proprietary water resistant concrete additive.
- 9. Borehole information shown on this drawing has been taken from GEA Ltd's Site Investigation Report.

Status	Planr	ning	
SI	N C L A I R J	OHN Consulting Civil	Structural Engineers
		ww	93 Great Suffolk Street London SE1 0BX T: 020 7593 1900 F: 020 7593 1910 w.sinclairjohnston.co.uk
<u>Judge</u> 7 Bra	<u>e's Lodge</u> nch Hill, NW3		
Full E	Building Sectio	n A-A	
Drawn	Author	Scale	1 : 50 @ A1
Project No./D	rawing No.		Rev R
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 B
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 ETC
 Revised as clouded/ Section 73 Application

 A
 15.10.13
 TJM
 RC columns b'twn Grids 3-4 moved back

 19.04.13
 TJM
 Issued for Planning

 Rev
 Date
 Issued
 Amendment



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NOTES:

specification.

1. All Structural Engineering drawings are to be read with the specification and with all relevant Architect's and service Engineer's drawings and

2. DO <u>NOT</u> SCALE from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to intended

scale this bar should be 50mm long @ A1 or 25mm long @ A3.



Ground Profile

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NEW BRICKWORK

EXISTING BRICKWORK

- EXISTING RC RETAINING WALL
- NEW RC WALL
- NEW BLOCKWORK WALL

THIS DRAWING IS NOT FOR CONSTRUCTION

А	03.04.18	ETC	Revised as clouded/ Section 73 Application
-	17.03.16	IStypas	Issue for Planning
Rev	Date	Issued	Amendment
Planning			
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Full Building Section C-C

Drawn

Author

Project No./Drawing No.

7922-022

Scale

1 : 50 @ A1 Rev

Α

<u>- / · · · · </u>

Borehole terminated at 16m below existing highway level. Bagshot formation proved to full depth of borehole

Made Ground

Bagshot formation

Consulting Civil & Structural Engineers

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APPENDIX B STRUCTURAL DRAWINGS – CURRENT SCHEME FOR SECTION 73 APPLICATION MARCH 2020



Ν	10	Т	ES	:

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- 8. All concrete to perimeter walls and slabs on ground is to contain a proprietary water resistant concrete additive.

Ν	NEW RC WALL
s	STRUCTURE UNDER

NOTE: ALL STRUCTURAL LEVELS SHOWN ARE TO BE CONFIMED BY THE ARCHITECT

WATER-RESISTANT CONCRETE STRUCTURES:

All reinforced concrete walls and slabs in contact with outside ground are to be constructed with "RASCOtank" water-resistant system by RASCO specialist design and details (rascor.com/en/engineering) and to be coordinated by the Main Contractor.

The "RASCOtank" system provided by RASCO includes details of waterproof concrete and joints seal, design and layout of joints, specification of suitable concrete grades and adequate provision for different types of penetrations, minimum shrinkage reinforcement, joints layout, concreting workmanship and site QA.

K25.03.20SCSection 73 ApplicationJ04.03.20DSVIssue For ConstructionI17.12.19DSVDraft Construction - Setting Out AddedH15.11.19DSVStage 4 IssueG15.10.19SCStage 4 IssueF08.04.19DSVStage 4 IssueE15.03.19DSVDRAFT FOR COORDINATION ONLYD20.07.18ETCPile layout revised, piles deletedC08.06.18DVTender amendments following commentsB25.05.18ETCIssued for Tender following revisionsA24.04.18ETCAmended to suit latest scheme. Issued for coordination.-04.03.16IStypasTender IssueRevDateIssuedAmendment

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Proposed Lower Ground Floor Plan

Drawn I.Stypas Project No./Drawing No. 7922-009 Scale 1 : 50 @ A1

Rev K





	NOTES:
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	 DO <u>NOT</u> SCALE from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
thk RC wall r resisting concrete	3. All dimensions are in millimetres and levels in metres.
	 The information shown on this drawing has been prepared based on existing drawings. No guarantee is given that the information shown represents actual existing site conditions.
penings to be sleeved	5. All levels shown are provided by others and subject to confirmation on site.
sultant.	6. Boundary line and other demises shown on this drawing are indicative only and are to be confirmed by others.
	7. All waterproofing and damp proofing membranes by Main contractor.
	8. All concrete to perimeter walls and slabs on ground is to contain a proprietary water resistant concrete additive.
etaining wall nporarily propped	Steel beams
ned).	Existing brickwork
	New brickwork
	New blockwork
	Existing RC retaining wall
	New RC wall
	Structure under
poke sacrificial shutter an Sup-R-Wall) to outside of vall to avoid loading existing garden wall during oncrete. Allow for 20mm gap	RC slab - thickness as noted
bespoke wall system & arden masonry wall	NOTE: ALL STRUCTURAL LEVELS SHOWN ARE TO BE CONFIRMED BY THE ARCHITECT
nder	WATER-RESISTANT CONCRETE STRUCTURES:
	All reinforced concrete walls and slabs in contact with outside ground are to be constructed with "RASCOtank" water-resistant system by RASCO specialist design and details (rascor.com/en/engineering) and to be coordinated by the Main Contractor.
line shown indicatively	The "RASCOtank" system provided by RASCO includes details of waterproof concrete and joints seal, design and layout of joints, specification of suitable concrete grades and adequate provision for different types of penetrations, minimum shrinkage reinforcement, joints layout, concreting workmanship and site QA.
	J 25.03.20 SC Section 73 Application
	I 04.03.20 DSV Issue For Construction H 17.12.19 DSV Draft Construction - Setting Out Added

TEELWO	RK SCHEDULE
gnation	Notes
3x46 UC	
0 CHS	
x15 PFC	GALVANISED
0x12.5 RHS	GALVANISED
3x30 UB	
0x10 SHS	GALVANISED
0x12.5 SHS	GALVANISED
3x46 UC	COMPOSITE WITH 100x19mm SHEAR STUDS @400c/c
k24 PFC	
6x37 UB	
0x12.5 RHS	(*= LAID FLAT) GALVANISED
(10.0 RHS	(*= LAID FLAT) GALVANISED
32 PFC	
2x28 UB	
2x37 UC	
30 PFC	TOP FLANGE REMOVED WHERE NOTED
3x30UB	
0x6.3 RHS	GALVANISED
x18 PFC	GALVANISED
2x23 UB	GALVANISED
Dx10 EA	GALVANISED
0x6.3 RHS	GALVANISED
PLATES	CROSS BRACING
3 ANGLES	DIAGONAL BRACING BACK TO BACK - GALVANISED

J	25.03.20	SC	Section 73 Application
I	04.03.20	DSV	Issue For Construction
Н	17.12.19	DSV	Draft Construction - Setting Out Added
G	15.11.19	DSV	Stage 4 Issue
F	15.10.19	SC	Stage 4 Issue
E	08.04.19	DSV	Stage 4 Issue
D	20.07.18	ETC	Slab thickness revised
С	08.06.18	DV	Tender amendments following comments
В	25.05.18	ETC	Issued for Tender following revisions
А	24.04.18	ETC	Amended to suit latest scheme. Issued for coordination.
-	04.03.16	IStypas	Tender Issue
Rev	Date	Issued	Amendment
Status			Information

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Proposed First Floor Plan

Drawn I Stypas Project No./Drawing No.

7922-011

Scale 1 : 50 @ A1

Rev J



- Final three risers built off landing

- Void for services. Sizes and setting out of openings to be confirmed by M+E

- 90x90x6.3 SHS in thickness of wall above - End of beam bolted to RC wall with 4No.M16. resin anchors

- C4 built off RC wall under. Connect post to RC wall under with 300x175x15 Thk. welded baseplates and 2No. M16 HS 50/30 bolts to 450mm long "Halfen" cast-in channels

HTA-CE 52/34 anchored into the top of the RC wall Beam fixed to RC wall under with 4No.M16 Hilti Hit-Hy

- For support of brickwork outer leaf wall refer to Drg.No.7922/053 section 26

Beam fixed to RC wall under with 4No.M16 Hilti Hit-Hy 200A

- C4 built off RC wall under. Connect post to RC wall under with 300x175x15 Thk. welded baseplates and 2No. M16 HS 50/30 bolts to 450mm long "Halfen" cast-in channels type HTA-CE 52/34 anchored into the top of the RC wall All steel beams on GL 4 to be fully portalised,

Boundary line shown indicatively

_wo	RK SCHEDULE
on	Notes
JC	
3	
FC	GALVANISED
RHS	GALVANISED
JB	
SHS	GALVANISED
SHS	GALVANISED
JC	COMPOSITE WITH 100x19mm SHEAR STUDS @400c/c
-C	
JB	
RHS	(*= LAID FLAT) GALVANISED
RHS	(*= LAID FLAT) GALVANISED
C	
JB	
JC	
-C	TOP FLANGE REMOVED WHERE NOTED
В	
RHS	GALVANISED
-C	GALVANISED
JB	GALVANISED
A	GALVANISED
RHS	GALVANISED
ES	CROSS BRACING

TO BACK - GALVANISED

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____ _ _ _ _ _ _ _ _ Steel beams Existing brickwork New brickwork New blockwork Existing RC retaining wall New RC wall _____ Structure under _____ 125thk. RC slab on metal deck (ComFlor 51) with A393 mesh

NOTE: ALL STRUCTURAL LEVELS SHOWN ARE TO BE CONFIRMED **BY THE ARCHITECT**



125 thk RC slab on metal deck (COMFLOR 51) with A393 mesh

ΤJ Timber joists - size and spacing as noted

ALL INTERNAL STEEL BEAMS TO HAVE WELDED SHEAR STUDS TO TOP FLANGE FOR COMPOSITE ACTION WITH SLAB OVER: ALLOW 19ø x 90H @ 300ctrs

G	25.03.20	SC	Section 73 Application
F	15.11.19	DSV	Stage 4 Issue
E	15.10.19	SC	Stage 4 Issue
D	08.04.19	DSV	Stage 4 Issue
С	08.06.18	DV	Tender amendments following comments
В	25.05.18	ETC	Issued for Tender following revisions
А	24.04.18	ETC	Amended to suit latest scheme. Issued for coordination.
-	04.03.16	IStypas	Tender Issue
Rev	Date	Issued	Amendment
tatus			Information

Information

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<u>Judge's Lodge</u> 7 Branch Hill, NW3

Proposed Second Floor Plan

Drawn I.Stypas Project No./Drawing No.

7922-012

1 : 50 @ A1 Scale

> Rev G



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Span of 200x50 timber joists @ 400mm c/c with 18mm plywood over(C24)

Bespoke louvred velarium as detailed by Architect/Specialist spanning between beams

NOTE: **ALL STRUCTURAL LEVELS** SHOWN ARE TO BE CONFIRMED **BY THE ARCHITECT**

	<u>STEELWO</u>	RK SCHEDULE
Ref.	Designation	Notes
C1	203x203x46 UC	
C2	140x10.0 CHS	
C3	125x65x15 PFC	GALVANISED
C4	200x100x12.5 RHS	GALVANISED
C5	203x133x30 UB	
C6	100x100x10 SHS	GALVANISED
C7	150x150x12.5 SHS	GALVANISED
B1	203x203x46 UC	COMPOSITE WITH 100x19mm SHEAR STUDS @400c/c
B2	150x90x24 PFC	
B3	254x146x37 UB	
B4	200x100x12.5 RHS	(*= LAID FLAT) GALVANISED
B5	160x80x10.0 RHS	(*= LAID FLAT) GALVANISED
B6	230x90x32 PFC	
B7	254x102x28 UB	
B8	152x152x37 UC	
B9	200x90x30 PFC	TOP FLANGE REMOVED WHERE NOTED
B10	203x133x30UB	
B11	200x100x6.3 RHS	GALVANISED
B12	150x75x18 PFC	GALVANISED
B13	203x102x23 UB	GALVANISED
B14	100x100x10 EA	GALVANISED
B15	150x100x6.3 RHS	GALVANISED
BR1	100x10 PLATES	CROSS BRACING
BR2	50x50x8 ANGLES	DIAGONAL BRACING BACK

TO BACK - GALVANISED

н	25.03.20	SC	Section 73 Application	
G	15.11.19	DSV	Stage 4 Issue	
F	15.10.19	SC	Stage 4 Issue	
E	08.04.19	DSV	Stage 4 Issue	
D	20.06.18	ETC	Tender amendments following comments	
	08.06.18		I ender amendments following comments	
	25.05.18	ETC	Amended to suit latest scheme, issued for coordination	
-	04.03.16	IStypas	Tender Issue	
Rev	Date	Issued	Amendment	
S	SINCLAIR JOHNSTON Consulting Civil & Structural Engineers 93 Great Suffolk Street London SE1 0BX T: 020 7593 1900 F: 020 7593 1910 www.sinclairjohnston.co.uk			
<u>Juo</u> 7 E	<u>Judge's Lodge</u> <u>7 Branch Hill, NW3</u>			
Pro Flo	Proposed Roof Floor Plan			

Drawn I.Stypas Project No./Drawing No.

7922-013

1 : 50 @ A1 Scale

> Rev Η





Ground Profile

1:50

NOTES:

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- All concrete to perimeter walls and slabs on ground is to contain a 8. proprietary water resistant concrete additive.



Existing brickwork

- New brickwork
- Existing RC retaining wall
- New RC wall
- New blockwork wall



WATER-RESISTANT CONCRETE STRUCTURES:

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SC Section 73 Application

20.06.18 ETC Tender amendments following comments

A 24.04.18 ETC Amended to suit latest scheme. Issued for coordination.

Information

SINCLAIR JOHNSTON

Amendment

Consulting Civil & Structural Engineers

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London SE1 0BX

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04.03.20 DSV Issue For Construction

E 20.07.18 ETC Slab thickness revised

 17.03.16
 IStypas
 Issue for Planning

 Rev
 Date
 Issued

 G
 08.04.19
 DSV
 Stage 4 Issue

 F
 15.03.19
 DSV
 DRAFT FOR COORDINATION ONLY

 C
 08.06.18
 DV
 Tender amendments following comments

 B
 25.05.18
 ETC
 Issued for Tender following revisions

 I
 15.11.19
 DSV
 Stage 4 Issue

 H
 15.10.19
 SC
 Stage 4 Issue

Bagshot formation

Borehole terminated at 16m below existing highway level. Bagshot formation proved to full depth of

Drawn Author Project No./Drawing No. Scale

7922-020

<u>Judge's Lodge</u>

7 Branch Hill, NW3

Full Building Section A-A

K 25.03.20

J

Status

Rev Κ

1 : 50 @ A1



1:50

Ground Profile

Made ground

Borehole terminated at 16m below existing highway level. Bagshot formation proved to full depth of

Bagshot formation

<u>Judge's Lodge</u>

J 25.03.20 SC Section 73 Application

 G
 08.04.19
 DSV
 Stage 4 Issue

 F
 15.03.19
 DSV
 DRAFT FOR COORDINATION ONLY

20.06.18 ETC Tender amendments following comments

A 24.04.18 ETC Amended to suit latest scheme. Issued for coordination.

Information

SINCLAIR JOHNSTON

 08.06.18
 DV
 Tender amendments following comments

 25.05.18
 ETC
 Issued for Tender following revisions

20.07.18 ETC Slab thickness revised

 I
 15.11.19
 DSV
 Stage 4 Issue

 H
 15.10.19
 SC
 Stage 4 Issue

- 04.03.16 IStypas Tender Issue Rev Date Issued

Status

Full Building Section B-B

7 Branch Hill, NW3

Drawn I.Stypas

Project No./Drawing No.

7922-021



Consulting Civil & Structural Engineers

Amendment

1 : 50 @ A1

Rev

Scale

The "RASCOtank" system provided by RASCO includes details of waterproof concrete and joints seal, design and layout of joints, specification of suitable concrete grades and adequate provision for different types of penetrations, minimum shrinkage reinforcement, joints layout, concreting workmanship and site QA.

ground are to be constructed with "RASCOtank" water-resistant Contractor.

WATER-RESISTANT CONCRETE STRUCTURES:

All reinforced concrete walls and slabs in contact with outside system by RASCO specialist design and details (rascor.com/en/engineering) and to be coordinated by the Main



site 6. Boundary line and other demises shown on this drawing are indicative

3. All dimensions are in millimetres and levels in metres.

- only and are to be confirmed by others.
- 7. All waterproofing and damp proofing membranes by Main contractor.
- All concrete to perimeter walls and slabs on ground is to contain a 8. proprietary water resistant concrete additive.



Existing RC retaining wall

New RC wall

- New blockwork wall
- NOTE: ALL STRUCTURAL LEVELS
- Existing brickwork New brickwork



. All Structural Engineering drawings are to be read with the

NOTES:

A3.

- specification and with all relevant Architect's and service Engineer's drawings and specification.
- 2. DO <u>NOT</u> SCALE from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to intended scale this bar should be 50mm long @ A1 or 25mm long @





Ground Profile

NOTES:

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- 5. All levels shown are provided by others and subject to confirmation on site.
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- 7. All waterproofing and damp proofing membranes by Main contractor.
- 8. All concrete to perimeter walls and slabs on ground is to contain a proprietary water resistant concrete additive.



- Existing brickwork New brickwork
- Existing RC retaining wall
- New RC wall
- New blockwork wall



WATER-RESISTANT CONCRETE STRUCTURES:

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ormation	F
	E
	D
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K 25.03.20 SC Section 73 Application 04.03.20 DSV Issue For Construction
 15.11.19
 DSV
 Stage 4 Issue

 15.10.19
 SC
 Stage 4 Issue

 08.04.19
 DSV
 Stage 4 Issue

 15.03.19
 DSV
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 20.07.18 ETC Slab thickness revised 20.06.18 ETC Tender amendments following comments
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 DV
 Tender amendments following comments

 25.05.18
 ETC
 Issued for Tender following revisions
 A 24.04.18 ETC Amended to suit latest scheme. Issued for coordination. - 04.03.16 IStypas Tender Issue Rev Date Issued Amendment Status Information

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Consulting Civil & Structural Engineers

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<u>Judge's Lodge</u> 7 Branch Hill, NW3

Full Building Section C-C

Drawn I Stypas Project No./Drawing No. 7922-022

Scale

Rev Κ

1 : 50 @ A1

Made ground

20.130m

Highway

Bagshot f

Borehole terminated at 16m below existing highway level. Bagshot formation proved to full depth of



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Existing brickwork

New brickwork

Existing RC retaining wall

New RC wall

New blockwork wall

NOTE: ALL STRUCTURAL LEVELS SHOWN ARE TO BE CONFIMED BY THE ARCHITECT

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Made Ground 19.430m

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borehole

Bagshot formation

Borehole terminated at 16m below existing highway level. Bagshot formation proved to full depth of

Ground Profile

1:50

J	25.03.20	SC	Section 73 Application
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F	08.04.19	DSV	Stage 4 Issue
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А	26.04.18	DV	Amended to suit latest scheme. issued for coordination
-	04.03.16	IStypas	Tender Issue
Rev	Date	Issued	Amendment
Status			Information

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Full Building Section D-D

Drawn	I Stypas	Scale
Project No	o./Drawing No.	
7922-023		

1 : 50 @ A1

Rev



B1

B4

- Existing (believed) RC wall cladded in

Reinforcement from wall foundation to be maintained and cast into new

- Existing RC foundation to retaining wall, brocken back and re-connected to new RC wall. Thickness and extent

Reinforced concrete underpinning to existing RC retaining wall cast in Max. 900mm widths to be dowelled into existing retaining wall over with H20 dowels @ 400 horizontal crs with

NOTES:

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Existing brickwork

- New brickwork
- Existing RC retaining wall
- New RC wall
- New blockwork wall

NOTE: ALL STRUCTURAL LEVELS SHOWN ARE TO BE CONFIMED **BY THE ARCHITECT**

WATER-RESISTANT CONCRETE STRUCTURES:

All reinforced concrete walls and slabs in contact with outside ground are to be constructed with "RASCOtank" water-resistant system by RASCO specialist design and details (rascor.com/en/engineering) and to be coordinated by the Main Contractor.

The "RASCOtank" system provided by RASCO includes details of waterproof concrete and joints seal, design and layout of joints, specification of suitable concrete grades and adequate provision for different types of penetrations, minimum shrinkage reinforcement, joints layout, concreting workmanship and site QA.

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<u>Judge's Lodge</u> 7 Branch Hill, NW3

Full Building Section E-E

Drawn Author Project No./Drawing No. 7922-024

Scale

1 : 50 @ A1 Rev

Κ



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Existing brickwork

New brickwork

- Existing RC retaining wall
- New RC wall
- New blockwork wall

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THIS DRAWING IS NOT FOR CONSTRUCTION

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Full Building Section F-F



Rev

Scale

- Allow bespoke sacrificial shutter (Greenspan Sup-R-Wall) to outside of new RC wall to avoid loading existing masonry garden wall during pour of concrete. Allow for 20mm gap between bespoke wall system & existing garden masonry

- Existing RC retaining wall assumed sheet piled wall against retaining wall

- New RC underpins to be dowelled into existing retaining wall over with H20 dowels @ 400 horizontal crs with 300mm Min. embedment

Reinforced concrete underpinning to existing RC retaining wall cast in Max. 900mm widths with hit



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Existing brickwork

New brickwork

- Existing RC retaining wall
- New RC wall
- New blockwork wall

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Full Building Section G-G

: 50 @ A1
lev

NOTES:

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- EXISTING BRICKWORK
- NEW BRICKWORK
- EXISTING RC RETAINING WALL

NEW RC WALL

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: 50 @ A1

<u>Judge's Lodge</u> 7 Branch Hill, NW3

Full Building Section H-H

Drawn	ETC	Scale	1:5
Project No./Drawing No.			Rev
7922	2-027		J

- Wall foundation as assumed symmetrical to this side of wall