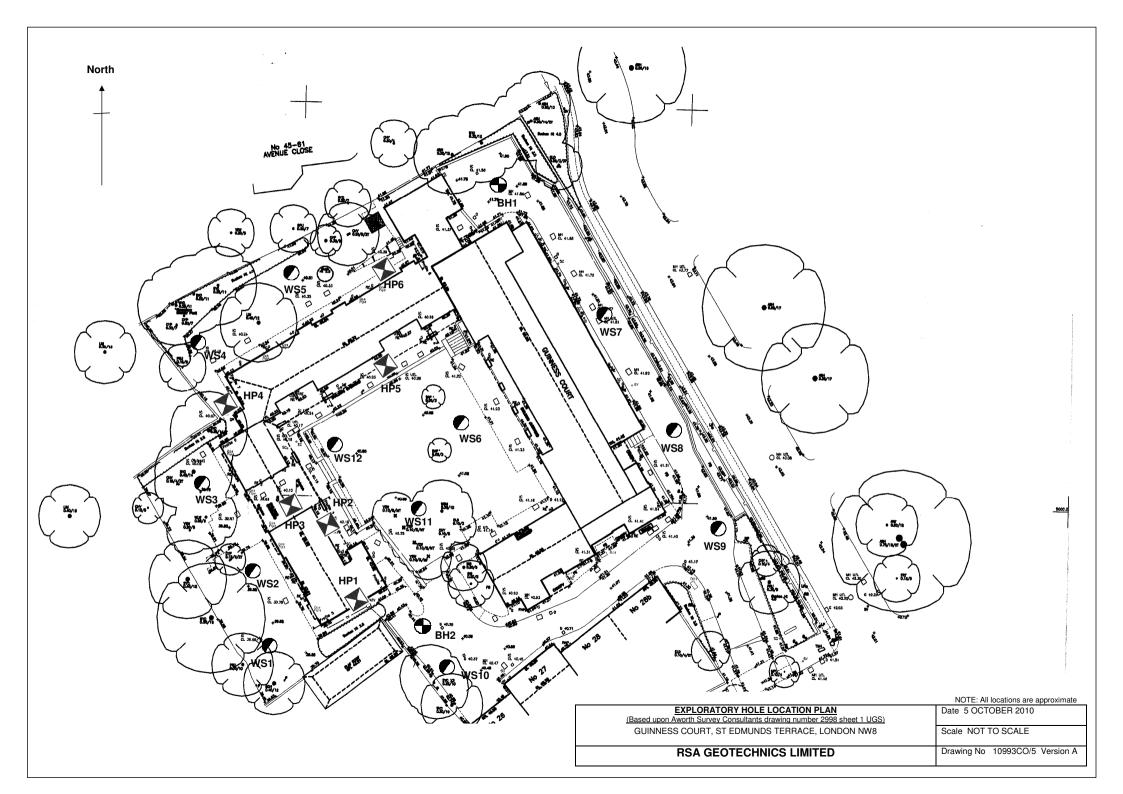
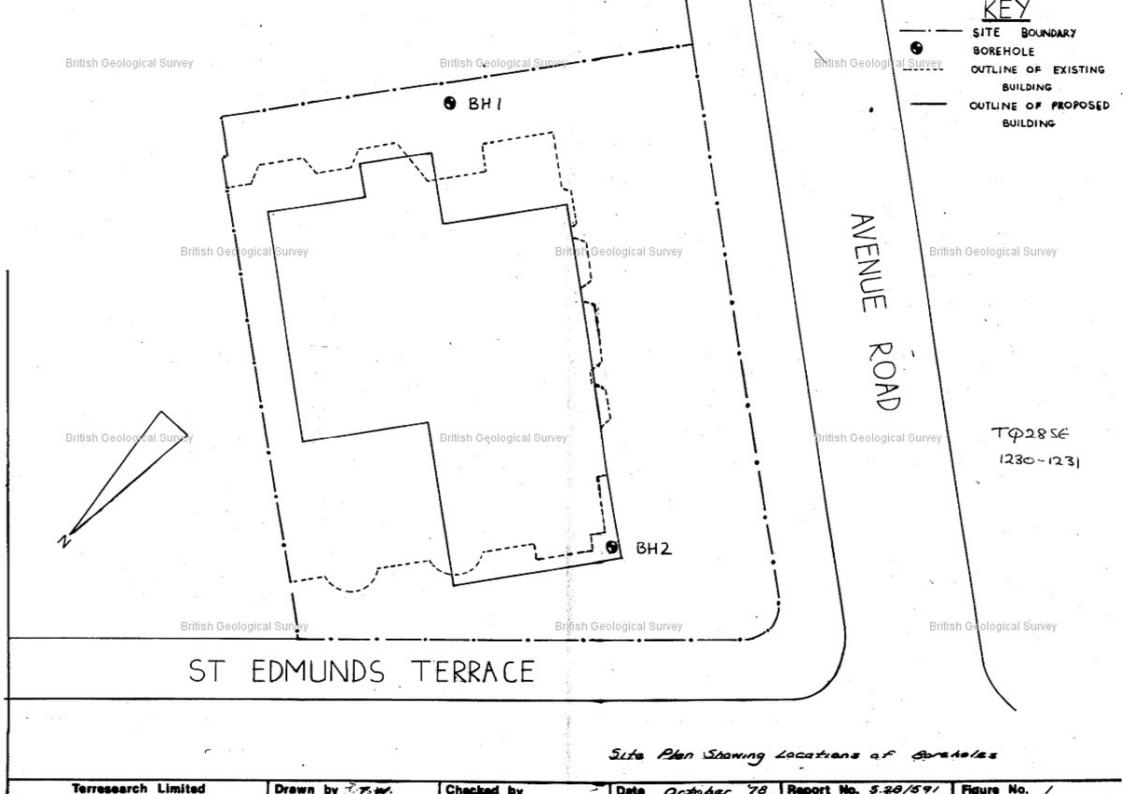
Document No.: 17708-RP-01 Rev 1 Page 51 of 122

**APPENDIX 4 – GROUND INVESTIGATION INFORMATION** 



BH2 Project Client Boring LIGHT CABLE PERCUSSION 150 mm DIAMETER Hole No. GUINNESS COURT, ST. EDMUNDS TERRACE, THE GUINNESS TRUST LONDON, NW8 Methods CASED 150 mm DIAMETER G.L. TO 1.50 m 1 **of** 2 Sheet UNCASED 1.50 TO 15.00 m Engineer TULLY DE'ATH 10993 Job No **Ground Level** Coordinates m.E. m.N. SAMPLING/IN SITU TEST WATER **STRATA** LAB TESTING Depth of Depth to Casing m Water m OTHER TESTS AND NOTES Date/Time Depth Blows/ q<sub>3</sub> Level Depth % < 425 W % Description Legend at Depth Strength Made Ground (Flexible surfacing) 0.20 Hand excavated from ground Made Ground (Brick rubble) level to 1.20m (75mins) 0.40-0.80 В1 0.50 Made Ground (Intermixed soft dark grey brown sandy silty clay and silty fine-medium sand with some subangular fine-medium flint and occasional 1.10 1.20 D1 36 brick, concrete, ash and roots) 1.30-1.75 TJ1 (25)33 1.94 pH and water soluble sulphate Firm extrememly closely fissured medium strength grey to grey brown slightly sandy silty CLAY 1.75 D2 (London Clay) 2.10-2.55 S1 N=8 2.10 D.3 3.00-3.45 U2 (35) 100 31 24 71 1.98 52 3.45 D4 4.00-4.45 S2 N=114.00 32 32 5.00-5.45 (40)1.93 65 5.45 D6 6.00 D7 31 6.50-6.95 S3 N=176.50 D8 GEOTECHNICS 7.50 D9 29 pH and water soluble sulphate 30 94 - becoming stiff and high strength with depth 8.60-9.05 U4 (45)1.94 D10 8.45 9.00 D11 9.50-9.95 S4 N=22 9.50 D12 10.00 Fieldwork WATER SAMPLE KEY TEST KEY BLOWS / STRENGTH Water Level observations during boring, depths below GL. By AGB Depth after ▼ 1 First Strike D Small disturbed sample S Standard penetration test N = N value Depth Strike 22/08/07 ∑ 2 Subsequent Strike B Bulk disturbed sample C Cone penetration test 26/150 blows, for 150mm, drive after seating Obs. 5min 10 min 15 min 20 min Dates N - Overnight Depth W Water sample K Permeability test 26\*, blows for part or whole of seating drive only C- Completion Depth U Undisturbed sample V In situ vane test (26) U sample blow count V = Vane Strength - kN/m<sup>2</sup> Log S Seepage not rising P Piston sample AJS

BH2 Project Client Boring Hole No. GUINNESS COURT, ST. EDMUNDS TERRACE, THE GUINNESS TRUST LIGHT CABLE PERCUSSION 150 mm DIAMETER LONDON, NW8 Methods CASED 150 mm DIAMETER G.L. TO 1.50 m 2 **of** 2 Sheet UNCASED 1.50 TO 15.00 m Engineer TULLY DE'ATH 10993 Job No Ground Level Coordinates m.E. m.N. SAMPLING/IN SITU TEST WATER **STRATA** LAB TESTING Depth of Depth to Casing m Water m OTHER TESTS AND NOTES Date/Time Depth Blows/ q<sub>3</sub> Level Depth % < 425 W % Inst. Description Legend at Depth Strength Stiff extrememly closely fissured high strength grey to grey brown slightly sandy silty CLAY 10.50 D1.3 29 (London Clay) 11.00 (55) 100 29 27 1.97 11.00-11.45\_ U5 75 127 Stiff extremely closely fissured high strength dark grey to blue grey silty CLAY (London Clay) 11.45 D14 12.00 D15 12.50-12.95 S5 N=26 No groundwater recorded during 12.50 D16 2.7 drilling 13.20 D17 13.50-13.95 U6 (60) 26 pH and water soluble sulphate 13.95 D18 Undrained Triaxial Compression attempted on U6, sample failed 14.50-14.95 S6 N=31 during extrusion 22/08/07 1.50 DRY 14.50 D19 26 22/08/07 DRY C 15.00 Borehole complete at 15.00m 50mm diameter HDPE slotted pipe installed to 4.00m Pipework capped and protected with flush lockable cover GEOTECHNICS Fieldwork WATER SAMPLE KEY TEST KEY BLOWS / STRENGTH Water Level observations during boring, depths below GL. By ▼ 1 First Strike AGB Depth after D Small disturbed sample S Standard penetration test N = N value Depth Strike 22/08/07 ∑ 2 Subsequent Strike B Bulk disturbed sample C Cone penetration test 26/150 blows, for 150mm, drive after seating Obs. 5min 10 min 15 min 20 min Dates N - Overnight Depth W Water sample K Permeability test 26\*, blows for part or whole of seating drive only C- Completion Depth U Undisturbed sample V In situ vane test (26) U sample blow count V = Vane Strength - kN/m<sup>2</sup> Log S Seepage not rising P Piston sample AJS



**Contract Name** AVENUE ROAD Sheet 3 Method of boring Ground Diameter Start **finish** Daily Water In-situ Depth level progress Description of Strata levels tests (m) (m) (m Q.D.) U Very stiff fissured dark grey silty 14.20 clay (London Clay) eological Survey British Geological Survey British G eological Surv 22 sh Geological Survey British Geological Surve 24 6/9 25.00 13.02 Bottom ofBorehole 26 ish Ged ogical Survey eological Surv British Geological Survey Notes British Geological Survey British Geological Survey British Geological Sur Terresearch Limited Report S.28/591 Appendix 1

Sheet

Contract Name Borehole No. AVENUE ROAD 2739, 8347 Sheet 1 of Method of boring Shell and Auger Ground level 38.18 m OD Diameter 200 mm nominal Start 7.9.78 Finish 8.9.78 Reduced Daily Water In-situ Sam Depth level | Geolog Jevek Description of Strata progress tests ples (m) (m Q.D.) (m) 0.06 38.12 0.06 Made 2.44 Soft dark brown and black В silty clay with chalk lumps and bricks British Geo B <del>7/</del>9 2.50 35.68 ground 7/9 U sh Geological Survey tish Geologica British G British Geological Survey U Stiff to very stiff brown silty clay with occasional yellow-brown silt partings(London Clay) tish Geological Survey U 8 eological Surv Geological Sur British Geological Survey U Contd/.. IO Notes Borehole backfilled to 10.00 m on 8.9.78 and casing pulled back 1.50m SWL then 10.20 (11.9.78) Not enough of water to get sample Terresearch Limited Report No. S.28/591 Appendix 1 Sheet

**Contract Name** Borehole No. BriAVENUE ROAD Sheet 2 of 3 Method of boring Ground level Diameter Start Finish Daily Water In-situ Depth level Description of Strata British Geological Survey progress levele ests ples (m) (m) (m Q.D.) 8.70 Stiff to very stiff brown silty clay U with occasional yellow-brown-silt partings(London Clay) 11.20 26.98 British G ological Surv British Geological Survey British Geological Survey 7/9 Ū 12sh Geological Survey British Geological Surve U 14 Stiff to very stiff fissured dark ological Surve grey silty clay with some carbonaceous impurities(London Clay) 16 ish Geological Survey U 18 ological Surv U Contd/..20 Notes British Geological Survey British Geological Survey Terresearch Limited Report No. S.28/591 Appendix 1

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Contract Name Avenue ROAD Borehole No. Sheet 3 of Method of boring Ground level Diameter Start **Finish** Reduced Daily Depth Description of Strata British Geological Survey progress levels tests (m) (m Q.D.) (m) British Ge logical Survey British Geological Surv British Geological Survey Stiff to very stiff fissured dark22-13.80 grey silty clay with some carbonaceous impurities(London Clay) British Geological Survey ish Geological Survey itish Geological Survey 24 8/9 British Geological Survey 25.00 13.18 Bottom of Borehole 26 ogical Survey British Geological Survey British Geological Survey British Geological Su British Geological Survey eological Sun Notes British Geological Survey Terresearch Limited Report No.

Appendix 1

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S.28/591

CONTRACT BOREHOLE No .: TQ 285E 733 ST. JOHNS WOOD TERRACE, N.W.8. & Location Continuation Sheet No.: h**Remainks** divey British Geological Survey REPORTA Non 892/KB Chiselling on claystone from 2.50 to 3.50 m Scale: 20mm = 1m Samples S.P.T. Depth 0.D. = 38.48Description Ref. No. Type (m) (N) Legend Depth 6770 10.0 - 10.45 ish Geological Survey Very stiff blue-grey fissured clay with dustings of silt and fine sand in some 6771 11.20 fissures. 6772 11.5 - 11.95 British Geological Survey. sh Geological Surve ogical Survey 6773 12.70 13.0 - 13.45 6774 6775 J British Geological Survey British Geological Survey British Geological Survey 6776 14.5 - 14.95 6777 15.7 677 Baica Burve 16.0 - 16.45 British Geological Survey 6779 17.2 6780 17.5 - 17.95 British Geological Survey British Geological Survey 6781 18.7 British Geological Survey 6782 19.5 - 19.95 6783 20.0 British Geological Survey British Geological Survey British Geological Survey Key: U -- Undisturbed Wembley Laboratories Limited B == Bulk .1 = . lar

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28SE 1733 133 CONTRACT BOREHOLE No.: TP 1 ST. JOHNS WOOD TERRACE, N.W.8. & Location 2720.8350 British Geological Survey 1": 25 tish COMMINITER CITY OF WESTMINSTER REPORT No .: 892/KB HARRIS AND SUTHERLAND Consulting Engineers: Boring Started: 9.5.74 Method of Mechanical Excavator Boring Finished: 9.5.74 Boring **GROUND WATER** Date Rate of Inflow: | Sealed off at: Water Strikes Time B/hole Depth 1st: 2nd: Casing Depth Geological Survey Geological Survey sh Geological Survey 3rd: Water Level Brickwork exposed to a depth of 0.95 m approximately 0.6 m long on one Remarks: side of pit Scale: 20mm = 1m Samples S.P.T. Depth O.D.= 38.47 Description Ref. No. Type (m) (N) Legend Depth Made Ground (topsoil, bricks, stones, roots 0.30 and ashes) tish Geological Surve British Geological Survey Firm brown & grey mottled clay with occasional 0.90 gravel Firm brown clay with many stones Firm brown fissured clay with blue staining on fissures, pockets of calcareous matter and occasional patches of orange mottling. itish Geological Survey British Geological Survey British Geological Survey itish Geological Sur British Geological Survey British Geological Survey British Geological Survey tish Geological Surv British Geological Survey ritish Geological Survey British Geological Survey British Geological Survey Key: U = Undisturbed B = Bulk

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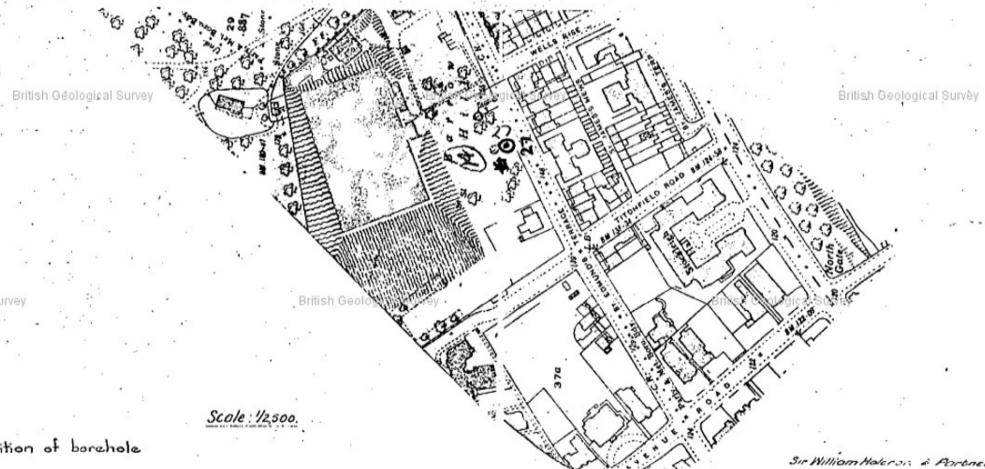
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## BOROUGH OF HAMSTEAD.

## PROPOSED POSITION OF BOREHOLES.



o Actual position of borehole

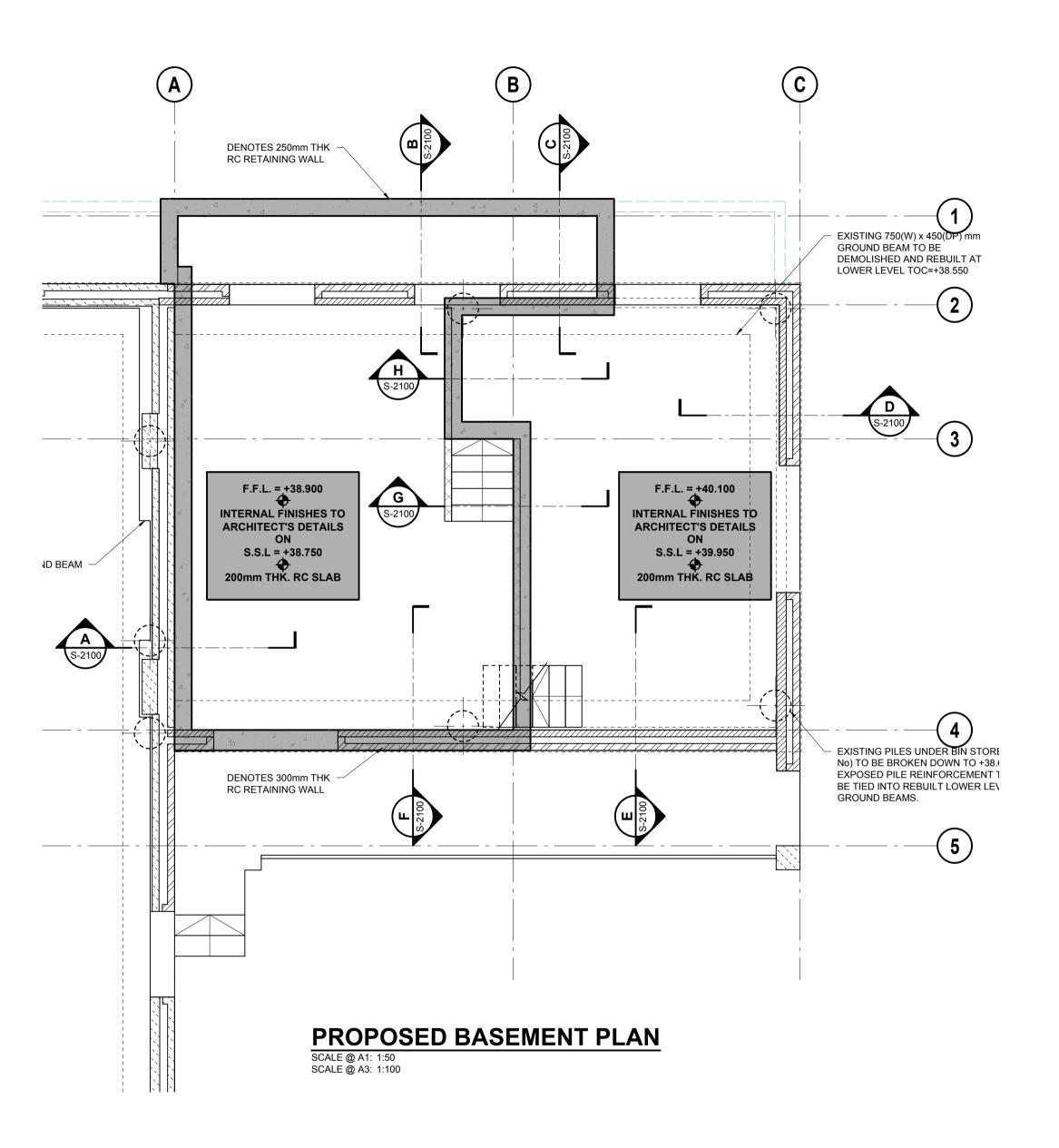
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**APPENDIX 5 – PRELIMINARY STRUCTURAL DRAWINGS** 



NOTE: EXISTING STRUCTURE WHERE SHOWN ARE BASED ON MLM DRAWING 662761/B/S001-C7, FINAL ISSUE DRAWING. THE CONTRACTOR SHALL CARRY OUT SUITABLE INVESTIGATIVE WORKS OUT TO VERIFY ALL EXISTING STRUCTURE ARRANGEMENTS.

## **PRELIMINARY**

**NOTES** 

1.	<ol> <li>THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS &amp; ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - `ASK'.</li> </ol>					
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		NEW LOADBEARING STRUCTURAL STUD PARTITION				
		NEW NON-LOADBEARING WALL				
Z		NEW NON-LOADBEARING BRICK WALL				
] []	· <u>1</u>	EXISTING LOADBEARING WALLS BELOW				
<u> </u>		EXISTING INTERNAL NON-LOAD BEARING WALL				
Ę.		EXISTING MASONRY WALL				
}		EXISTING WALL TO BE DEMOLISHED				

STEEL/TIMBER BEAM

JOISTS SPAN DIRECTION

STEEL COLUMN

	•			
P1	07.08.17	ISSUED FOR COMMENT	BB OC	OC VB
ISSUE	DATE	DESCRIPTION	DRN ORIG	P.E. P.D.

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ISSUE STATUS PRELIMINARY (P1, P2, P3 etc.,) PLANNING (PL1, PL2, PL3 etc.,) TENDER (T1,T2, T3 etc.,) CONSTRUCTION (0, 1, 2 etc.,)

Barrett Mahony Consulting Engineers, Civil . Structural . Project Management. E-mail: info@bmceuk.com Web: www.bmceuk.com

London Office: 12 Mill Street, London SE1 2AY, United Kingdom Tel.: +44 (0) 20 3750 3530

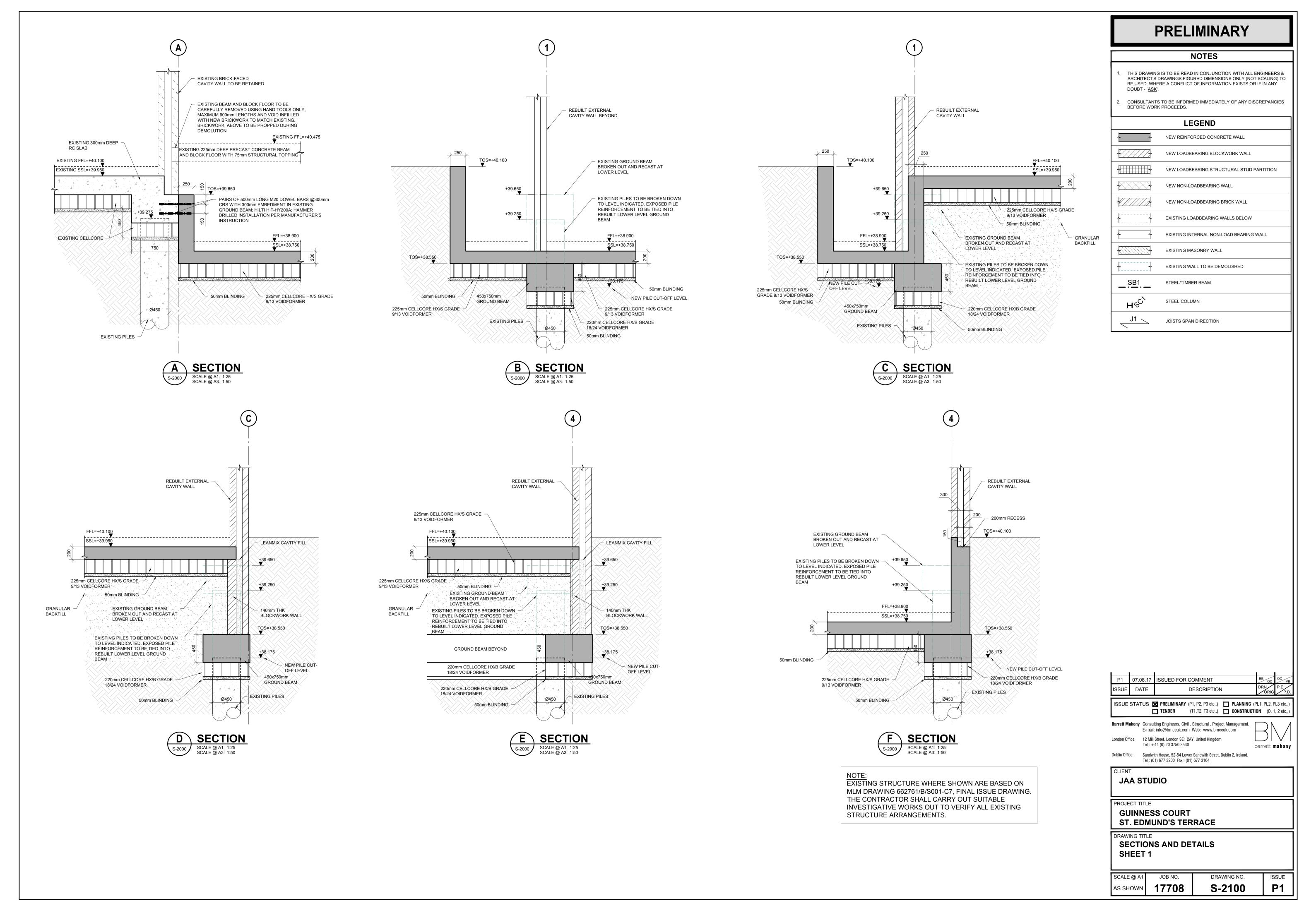
Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel.: (01) 677 3200 Fax.: (01) 677 3164

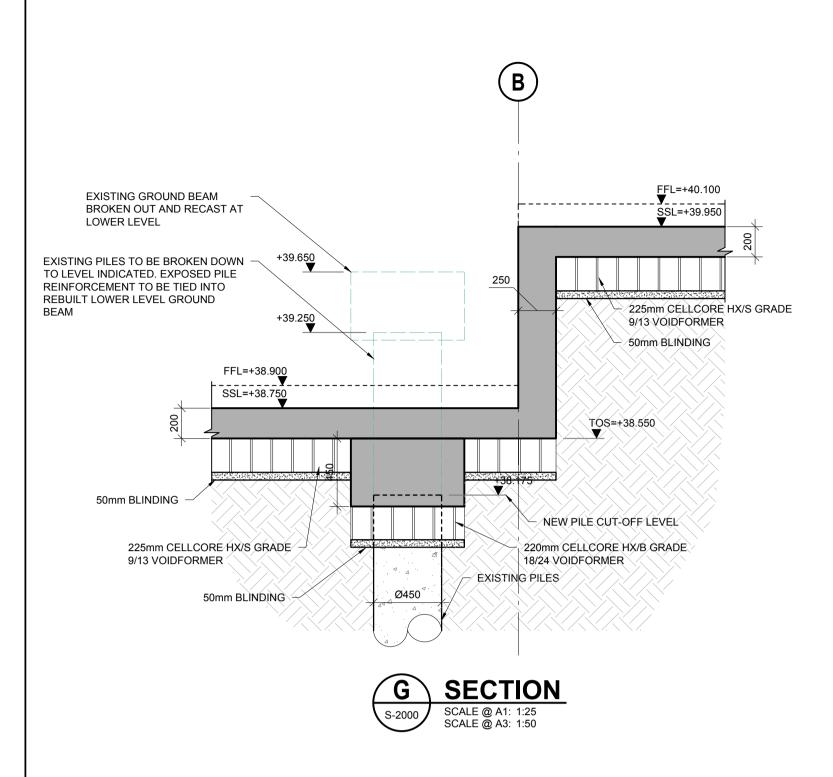
JAA STUDIO

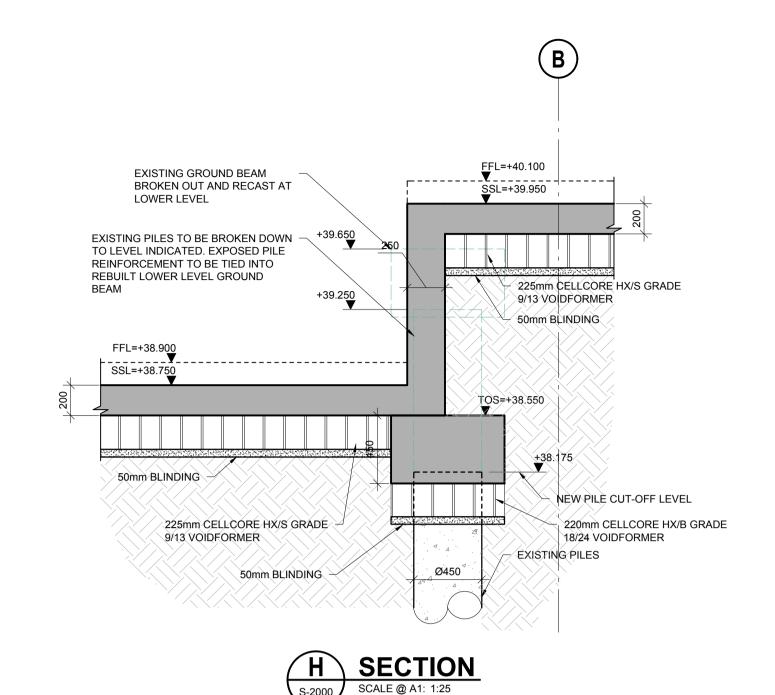
PROJECT TITLE **GUINNESS COURT** ST. EDMUND'S TERRACE

DRAWING TITLE PROPOSED BASEMENT PLAN

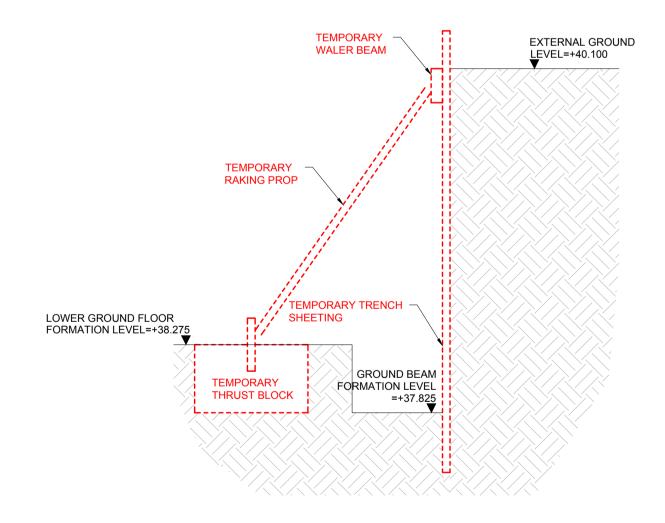
SCALE @ A1 JOB NO. ISSUE 17708 S-2000 AS SHOWN







NOTE:
TEMPORARY WORKS HERE SHOWN ARE INDICATIVE ONLY.
THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS DESIGN AND SHALL ENGAGE A CHARTERED ENGINEER WITH SUITABLE PI COVER FOR DETAILED TEMPORARY WORKS DESIGN.



INDICATIVE TEMPORARY WORKS SECTION

SCALE @ A1: 1:25
SCALE @ A3: 1:50

NOTE:
EXISTING STRUCTURE WHERE SHOWN ARE BASED ON MLM DRAWING 662761/B/S001-C7, FINAL ISSUE DRAWING. THE CONTRACTOR SHALL CARRY OUT SUITABLE INVESTIGATIVE WORKS OUT TO VERIFY ALL EXISTING STRUCTURE ARRANGEMENTS.

## **PRELIMINARY**

**NOTES** 

. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS &

BE	RCHITECT'S DRAWINGS.F EUSED. WHERE A CONFL DUBT - ` <u>ASK</u> '.	FIGURED DIMENSIONS ONLY (NOT SCALING) TO LICT OF INFORMATION EXISTS OR IF IN ANY
	DNSULTANTS TO BE INFO FORE WORK PROCEEDS	DRMED IMMEDIATELY OF ANY DISCREPANCIES S.
		LEGEND
	NEW REI	NFORCED CONCRETE WALL
7//	NEW LOA	ADBEARING BLOCKWORK WALL
	NEW LOA	ADBEARING STRUCTURAL STUD PARTITION
	NEW NO	N-LOADBEARING WALL
7///	NEW NO	N-LOADBEARING BRICK WALL
<u> </u>	EXISTING	S LOADBEARING WALLS BELOW
<u></u>	EXISTING	S INTERNAL NON-LOAD BEARING WALL
	EXISTING	S MASONRY WALL
<u> </u>	EXISTING	S WALL TO BE DEMOLISHED
s	B1 STEEL/TI	MBER BEAM
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P1	07.08.17	ISSUED FOR COMMENT	BB OC	OC VB
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JAA STUDIO

PROJECT TITLE

GUINNESS COURT

ST. EDMUND'S TERRACE

DRAWING TITLE
SECTIONS AND DETAILS
SHEET 2

AS SHOWN	17708	S-2101	D1
SCALE @ A1	JOB NO.	DRAWING NO.	ISSUE