Unit 8, Warple Mews Warple Way London W3 0RF

CONCEPT SITE INVESTIGATIONS

Tel: 020 8811 2880 Fax: 020 8811 2881 email: si@conceptconsultants.co.uk

Site Name	St Giles Circus	Job No.	14/2669	HOLE	TPG-5
Carried out for	Consolidated Developments Limited	Date		Photograph	01 & 02



Photograph No 01



Unit 8, Warple Mews Warple Way London W3 0RF

CONCEPT SITE INVESTIGATIONS

Tel: 020 8811 2880 Fax: 020 8811 2881 email: si@conceptconsultants.co.uk

Site Name	St Giles Circus	Job No.	14/2669	HOLE	TPG-6
Carried out for	Consolidated Developments Limited	Date		Photograph	01 & 02



Photograph No 01



Photograph No 02

Unit 8, Warple Mews Warple Way London W3 0RF

CONCEPT SITE INVESTIGATIONS

Tel: 020 8811 2880 Fax: 020 8811 2881 email: si@conceptconsultants.co.uk

Site Name	St Giles Circus	Job No.	14/2669	HOLE	TPG-6
Carried out for	Consolidated Developments Limited	Date		Photograph	03 & 04

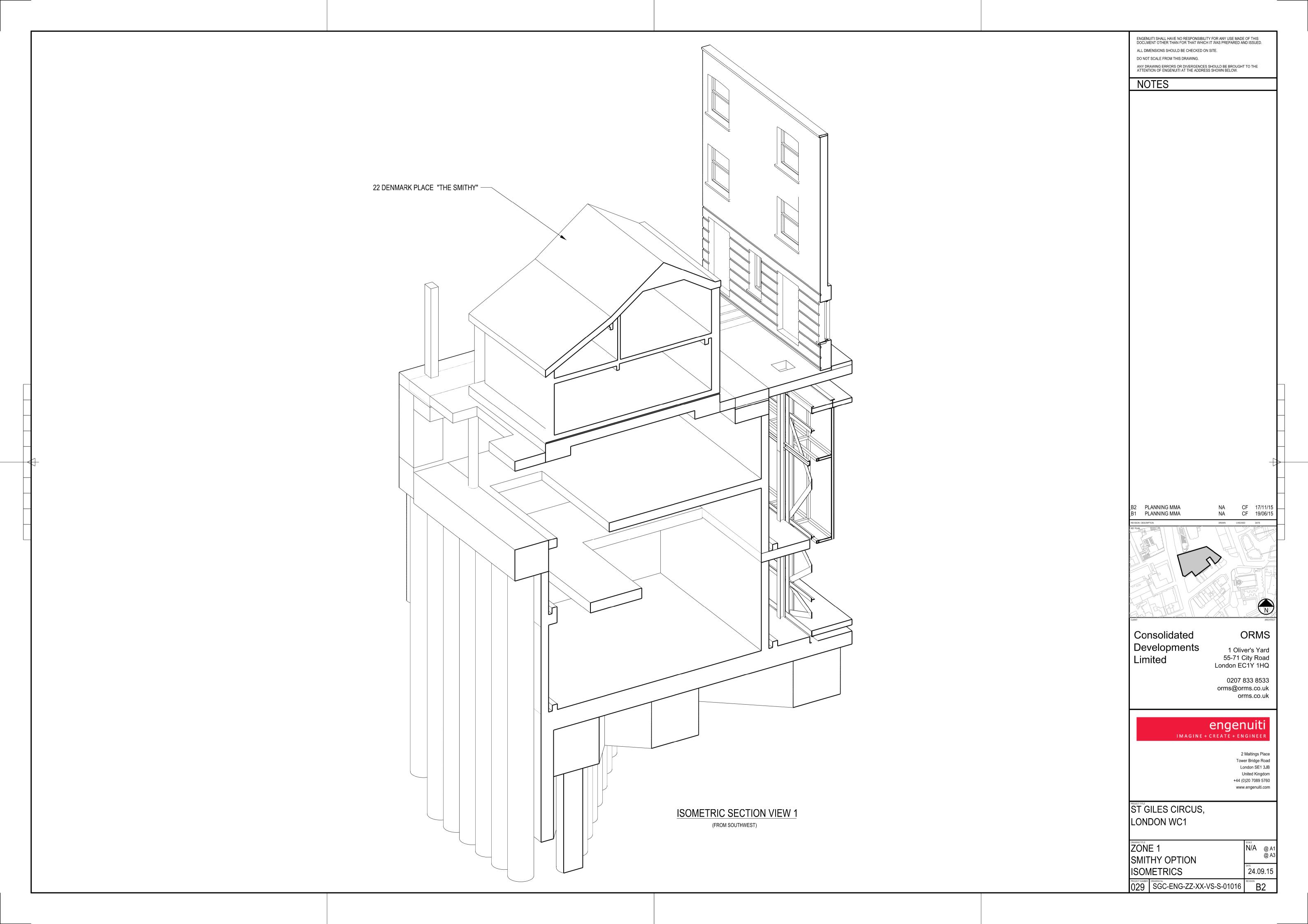


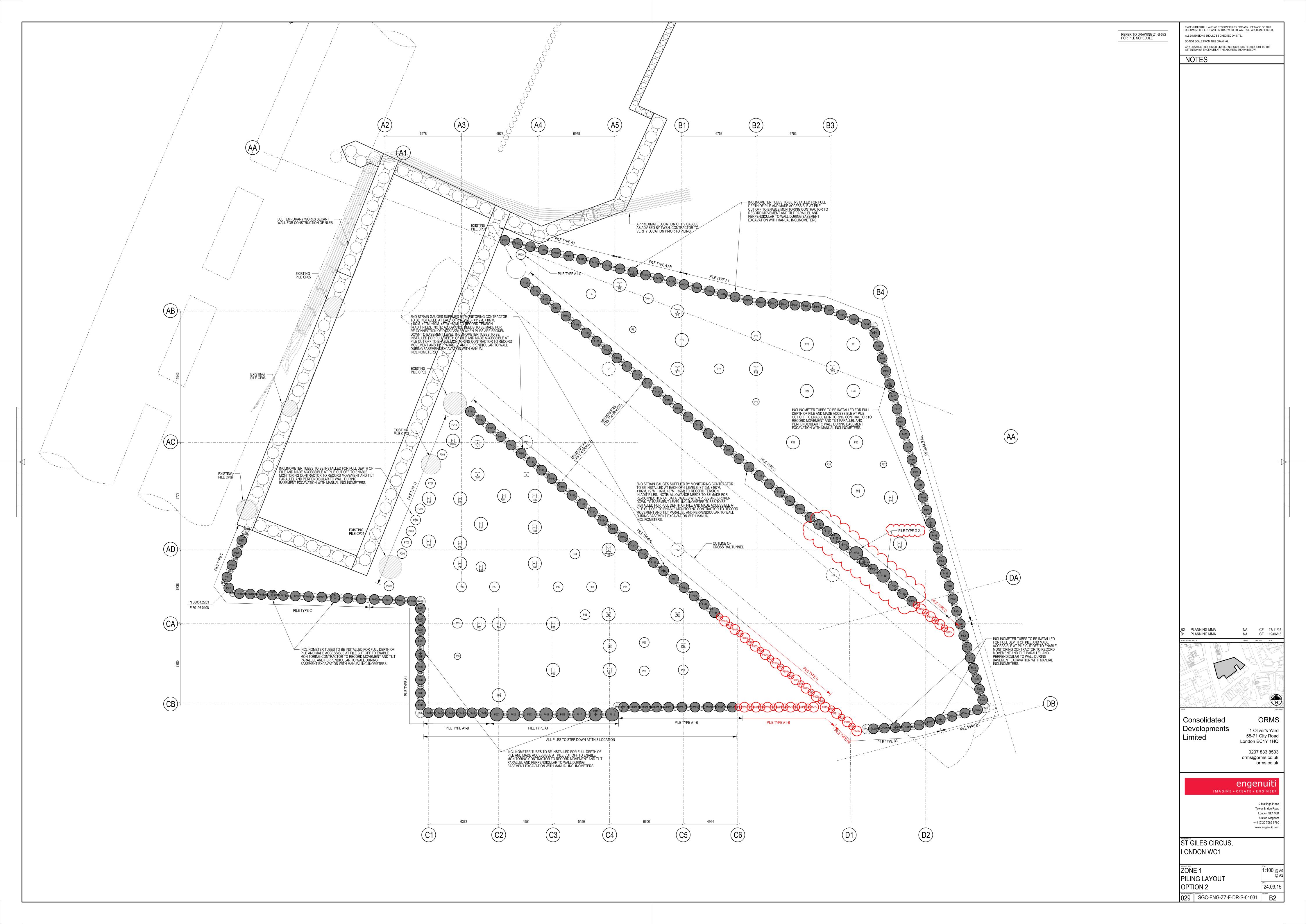
Photograph No 03



Photograph No 04

APPENDIX E – Proposed Structural Drawings





IARD/ 600 FIRM	RC900	(m) (m)	(m)	(m)														1			
		+123.980	+123.980	+97.500* HARD +116.000 FIRM		PILE CENTRE 1000mm FROM HOARDING/SHORING	8H32 FROM 123.780 TO TOE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	(mm) 75		ARS) (mm			nm) +/-100mm TOE	INCLINOMETER	1100	(kN) (kl		(kN) RETAINING WALL. SEE SITE INVESTIGATION AND PILING SPECIFICATION FOR LOADING.	900mm FIRM PILE ASSUMED AT CORNERS. PILES SPAN BETWEEN FLOOR PLATES.
ARD/ 600 FIRM	RC900	CONTRACTOR CHOICE	+120.875	+97.500* HARD +116.000 FIRM	+96.000* (NO	PILE CENTRE 1000mm FROM HOARDING/SHORING	8H32 FROM 123.780 TO TOE	CONTRACTOR CHOICE	SHEAD/TENSION CONNECTORS POST DRILLED AS DADT OF	CONTRACTOR CHOICE	75	NA	60	+/-25 1	1 IN 200	+/-100mm TOE		1100	550		RETAINING WALL. SEE SITE INVESTIGATION AND PILING SPECIFICATION FOR LOADING.	900mm FIRM PILE ASSUMED AT CORNERS REDUCED CUT OFF LEVEL TO ACCOMMODATE ZONE II WORKS. PILES SPAN BETWEEN FLOOR PLATES OR
IARD/ 600 FIRM	RC900	+124.555 (ASSUMED TEMPORARY WORKS LEVEL)	+114.175	+97.500* HARD +116.000 FIRM		PILE CENTRE 1000mm FROM HOARDING/SHORING	8H32 FROM 123.780 TO TOE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	75	NA	60	+/-25 1	L IN 200	+/-100mm TOE		1100	550		RETAINING WALL. SEE SITE INVESTIGATION AND PILING SPECIFICATION FOR LOADING.	900mm FIRM PILE ASSUMED AT CORNERS. PILES SPAN BETWEEN FLOOR PLATES.
ARD/ 600	RC900	+123.980	+123.980	+97.500* HARD	+96.000* (NO	PILE CENTRE 1000mm FROM	8H32 FROM 123.780 TO TOE	16MM DIA HELICAL LINKS AT 250mm	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF	CONTRACTOR CHOICE	75	NA	60	+/-25 1	L IN 200	+/-100mm TOE		1100	550	1000	RETAINING WALL. SEE SITE INVESTIGATION AND	900mm FIRM PILE ASSUMED AT CORNERS.
FIRIVI				+116.000 FIRIVI	BENTONITE)	HOAKDING/SHOKING		SPACING NEAR POINTS OF SUPPORT	LINING WALL CONSTRUCTION												PILING SPECIFICATION FOR LOADING.	PILE SPANS BETWEEN BASEMENT MEZ AND GROUND FLOOR IN PERMANENT CASE. 900mm FIRM PILE ASSUMED AT CORNERS
ARD/ 600 FIRM	RC900	+123.330	+123.330	+97.500* HARD +116.000 FIRM			14000mm2, ASSUMING MINIMUM ALLOWABLE COVER (H32s @120mm) FROM CUT OFF TO +106.000 MIN 8H32 FROM 106.000 TO TOE			CONTRACTOR CHOICE	75	NA	60	+/-25 1	LIN 200	+/-100mm TOE		1100	550			PILETO ACT COMPOSITELY WITH THE LINING WALL TO RESIST LATERAL EARTH AND WATER PRESSURES IN THE PERMANENT CASE, SPANNING VERTICALLY FROM B1 TO LOWER GROUND FLOOR. GRID AS-B1: VERTICAL BARS H25@100mm (BOTH INSIDE AND OUTSIDE FACES) SPECIFIED IN LINER WALL TO ACHIEVE MAX STRESS AT SLS QUASI-PERMANENT CASE OF 131 MPa NECESSARY FOR CRACK WIDTH CONTROL.
HARD/ 600 FIRM	RC1200	CONTRACTOR CHOICE	+120.875	+97.500* HARD +116.000 FIRM			24900mm2, ASSUMING MINIMUM ALLOWABLE COVER (H32s @100mm) FROM CUT OFF TO +106.000 MIN 12H32 FROM 106.000 TO TOE			CONTRACTOR CHOICE	75	NA	60	+/-25 1	LIN 200	+/-100mm TOE	INCLINOMETER	1100	550			PILE TO ACT COMPOSITELY WITH THE UNING WALL TO RESIST LATERAL EARTH AND WATER PRESSURES IN THE PERMANENT CASE, SPANNING VERTICALLY FROM B2 LIFT SLAB TO LOWER GROUND FLOOR. GRID C2-C3: VERTICAL BARS H25@100mm (BOTH INSIDE AND OUTSIDE FACES) SPECIFIED IN LINER WALL TO ACHIEVE MAX STRESS AT SLS QUASI-PERMANENT CASE OF 144 MPa NECESSARY FOR CRACK WIDTH CONTROL. GRID C3-C4: VERTICAL BARS H32@100mm (BOTH INSIDE AND OUTSIDE FACES) SPECIFIED IN LINER WALL TO ACHIEVE MAX STRESS AT SLS QUASI-PERMANENT CASE OF 144 MPa NECESSARY FOR CRACK WIDTH CONTROL. REDUCED CUT OFF LEVEL TO ACCOMMODATE ZONE II WORKS.
IARD/ 600 FIRM	RC900	+123.980	+123.980	+113.700 HARD +116.000 FIRM	+113.600	PILE CENTRE 1000mm FROM HOARDING/SHORING	CONTRACTOR CHOICE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	75	NA	60	+/-25 1	1 IN 200	+/-100mm TOE	INCLINOMETER					PILE TOE LIMITED BY EASTBOUND CROSSRAIL TUNNEL, CROWN AT APPROX +107.8m. 900mm FIRM PILE ASSUMED AT CORNER.
ARD/ 600 FIRM	RC900	+123.980	+123.980	+113.700 HARD +116.000 FIRM	+113.600	PILE CENTRE 1000mm FROM HOARDING/SHORING	CONTRACTOR CHOICE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	75	NA	60	+/-25 1	LIN 200	+/-100mm TOE	INCLINOMETER					PILE TOE LIMITED BY EASTBOUND CROSSRAIL TUNNEL, CROWN AT APPROX +107.8m. 900mm FIRM PILE ASSUMED AT CORNER. PILE SPANS BETWEEN BASEMENT MEZ AND GROUND FLOOR IN PERMANENT CASE, BETWEEN SINGLE FLOOR PLATES ELSEWHERE.
ARD/ 600 FIRM	RC900	+123.980	+123.980	+113.700 HARD +116.000 FIRM	+113.600	PILE CENTRE 1000mm FROM HOARDING/SHORING	CONTRACTOR CHOICE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	75	NA	60	+/-25 1	LIN 200	+/-100mm TOE	INCLINOMETER					PILE TOE LIMITED BY EASTBOUND CROSSRAIL TUNNEL, CROWN AT APPROX +107.8m. 900mm FIRM PILE ASSUMED AT CORNER. PILE TO ACT COMPOSITELY WITH THE LINING WALL TO RESIST LATERAL EARTH AND WATER PRESSURES IN THE PERMANENT CASE, SPANNING VERTICALLY FROM B1 TO LOWER GROUND FLOOR. GRID D1-D2+1 PILE: VERTICAL BARS H25@100mm (BOTH INSIDE AND OUTSIDE FACES) SPECIFIED IN LINER WALL TO ACHIEVE MAX STRESS AT SLS QUASI-PERMANENT CASE OF 131 MPa NECESSARY FOR CRACK WIDTH CONTROL.
ARD/ 600 FIRM	RC900	+123.980	+123.980	+113.700 HARD +116.000 FIRM	+113.500	PILE CENTRE 1000mm FROM HOARDING/SHORING	CONTRACTOR CHOICE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	75	NA	60	+/-25 1	L IN 200	+/-100mm TOE	INCLINOMETER					PILE TOE LIMITED BY LUL LOWER CONCOURSE TUNNEL, CROWN AT APPROX +106m. TEMPORARY WATERPROOFING CONNECTION REQUIRED TO NLEB
IARD/ 600 FIRM	RC900	+124.555 (ASSUMED TEMPORARY WORKS LEVEL)	+114.175	+75.400 HARD +116.000 FIRM	NA NA	IN SOME CASES IMMEDIATELY	CAST IN SHEAR COUPLERS PROVIDED		PILE AT 200mm VERTICAL CENTRES, EACH CAPABLE OF	ADDITIONAL COUPLERS						+/-100mm TOE	CALICES	3/80.00		3600	PILING SPECIFICATION FOR LOADING.	TENSION PILES TO ADIT BEAMS. ALLOW FOR TEMPORARY STEEL CASING TO INVERT OF CROSSRAIL TUNNEL. TEMPORARY WATERPROOFING CONNECTION REQUIRED TO CPO2. DESIGN LOADS PROVIDED ASSUME PILE IS STAND-ALONE WITH NO INTERACTION. DESIGN OF STRUCTURE ABOVE ASSUMES INTERACTION BETWEEN PILES RESULTING IN 50% CAPACITY REQUETION. TEMPORARY CAPPING BEAM UNDER GROUND FLOOR LEVEL ASSUMED TO CONSIST OF 4x430X100X64PFC MEMBERS, 2 EACH SIDE OF PILE LINE, BOLTED TO AND BETWEEN PILES.
PLUNGE	RC1200	+124.555 (ASSUMED TEMPORARY WORKS LEVEL)	+114.175	+75.400	NA	ADJACENT TO CROSSRAIL TUNNEL. IN SOME CASES IMMEDIATELY ADJACENT TO "SMITHY".	16H40 FROM +115m TO TOE CAST IN SHEAR COUPLERS PROVIDED FROM +114.100 TO +112.400	CONTRACTOR CHOICE	PILE AT 200mm VERTICAL CENTRES, EACH CAPABLE OF	ADDITIONAL COUPLERS	75	BENTONITE		/-10 COLUMN 1	LIN 400		CLINOMETER, STRAIN GAUGES	0.00	0.00			TENSION PILES TO ADIT BEAMS. ALLOW FOR TEMPORARY STEEL CASING TO INVERT OF CROSSRAIL TUNNEL. TEMPORARY WATERPROOFING CONNECTION REQUIRED TO CPO2. DESIGN LOADS PROVIDED ASSUME PILE IS STAND-ALONE WITH NO INTERACTION. DESIGN OF STRUCTURE ABOVE ASSUMES INTERACTION BETWEEN PILES RESULTING IN 50% CAPACITY REDUCTION. TEMPORARY CAPPING BEAM UNDER GROUND FLOOR LEVEL ASSUMED TO CONSIST OF 4x430X100X64PFC MEMBERS, 2 EACH SIDE OF PILE LINE, BOLTED TO AND BETWEEN PILES. PILE IS IN MOST CASES INCORPORATE A PLUNGE COLUMN. SEE PILING AND COLUMN LAYOUTS FOR PLUNGE COLUMN SIZES. PLUNGE COLUMNS ASSUMED TO EXTEND 4m BELOW PERMANENT CUT OFF LEVEL, TO CONTRACTOR DESIGN.
AAA 600A FIRM	RC=000	124 MELAS MED AMPORARY MARKS LEVEL)	+114,175	↑ 75,44 ↑ 14AB 4 ↑ +116.000 FIRM	V NA	ADJACENT TO CHOSSHAIL TUNNEL.	16H40 FROM +115m TO TOE "SOFT" SECTION REQUIRED FROM 114.10 IO 12.400.COMOTION OF GLASS FIRST REINFORCING BARS TO FACILITATE BREAKOUT FOR A DIT BEAM CONSTRUCTION.	O CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION. SHEAR CONNECTION TO ADM BEAMS ACHIEVED USING BARS PLACED WITHIN THE "SOFT SECTION" CAST IN DURING THE ADIT BEAM CONSTRUCTION.	KIERBECK EASY LOCK ADDITIONAL COUPLERS REQUIRED AT +114.300	^ ,_^	BENTONITE	120	\ -25 \	1 IN 200	17-100mm 10E	CLUMAMETA STRAN GAUGES	~~		5.00	RETAINING WALL, SINSTIE NEST NATION AND NET PILING SPECIFICATION FOR LOADING.	TENSION PILES TO ADIT BEAMS ALLOW FOR TEMPORARY STEEL CASING TO INVERT OF CROSSRAIL TUNNEL. TEMPORARY WATERPROOFING CONNECTION REQUIRED TO CPO2. DESIGN 10 ACS POWIDE ASSUME PILES TEACH WITH NO MEER ACION DESIGN OF STRUCTURE ABOVE ASSUMES INTERACTION BETWEEN PILES RESULTING IN 50% CAPACITY REDUCTION. TEMPORARY CAPPING BEAM UNDER GROUND FLOOR LEVEL ASSUMED TO CONSIST OF 4x430X100X64PFC MEMBERS, 2 EACH SIDE OF PILE LINE, BOLTED TO AND BETWEEN PILES.
PLUNGE	RC900	+124.555 (ASSUMED TEMPORARY WORKS LEVEL)	+114.175	+75.400 HARD +116.000 FIRM	NA	ADJACENT TO CROSSRAIL TUNNEL. IN SOME CASES IMMEDIATELY ADJACENT TO "SMITHY".	16H40 FROM +115m TO TOE CAST IN SHEAR COUPLERS PROVIDED FROM +114.100 TO +112.400	CONTRACTOR CHOICE	PILE AT 200mm VERTICAL CENTRES, EACH CAPABLE OF	ADDITIONAL COUPLERS	75	BENTONITE	120	+/-25 1	LIN 200	+/-100mm TOE	CLINOMETER, STRAIN GAUGES	0.00	0.00			TENSION PILES TO ADIT BEAMS. ALLOW FOR TEMPORARY STEEL CASING TO INVERT OF CROSSRAIL TUNNEL. PILE INCORPORATES A PLUNGE COLUMN. SEE PILING AND COLUMN LAYOUTS FOR PLUNGE COLUMN SIZES. PLUNGE COLUMN TO EXTEND MINIMUM OF 8.2m BELOW PERMANENT CUT OFF LEVEL (i.e. EXTENDS BELOW B2), TO CONTRACTOR DESIGN. DESIGN LOADS PROVIDED ASSUME PILE IS STAND-ALONE WITH NO INTERACTION. DESIGN OF STRUCTURE ABOVE ASSUMES INTERACTION BETWEEN PILES RESULTING IN 50% CAPACITY REDUCTION. TEMPORARY CAPPING BEAM UNDER GROUND FLOOR LEVEL ASSUMED TO CONSIST OF 4x430X100X64PFC MEMBERS, 2 EACH SIDE OF PILE LINE, BOLTED TO AND BETWEEN PILES.
2400	RC2400	*123.780 (TEMPORARY STEEL CASING- FROM UNDERSIDE OF B2 SLAB TO- GROUND)	+ 109.975	+75,400 HARD	NA	ADJACENT TO CROSSRAIL TUNNEL, AND TO "SMITHY"	40H40FROM+116m TO TOE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF- UNING WALL CONSTRUCTION	KIERBECK EASY LOCK, ADDITIONAL COUPLERS REQUIRED AT+114.300	75	BENTONITE	120	*/-25 1	11N 200	+/-100mm TOE		9450.00	3887.50	14000.00	NA.	TENSION PILES TO ADIT BEAMS: ALLOW FOR TEMPORARY STEEL CASING UNDERSIDE OF B2 SLAB REINFORCING BARS TO EXTEND TO ADIT SLAB DESIGN LOADS PROVIDED ASSUME PILE IS STAND-ALONE WITH NO INTERACTION DESIGN OF STRUCTURE A BOVE ASSUMES INTERACTION BETWEEN PILES RESULTING IN 50% CAPACITY- REDUCTION.
2400	RC2400	+123.780	+123.780	+75.400 HARD	NA	ADJACENTTO-CROSSRAILTUNNEL- AND-TO-"SMITHY"	80H40FROM+116m TO TOE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF- LINING WALL CONSTRUCTION	KIERBECK EASY LOCK, ADDITIONAL COUPLERS REQUIRED AT+114.300	75	BENTONITE	120	+/-25 1	11N-200	+/-100mm TOE		18900.00	7775.00	14000.00	NA.	TENSION PILES TO ADIT BEAMS. ALLOW FOR TEMPORARY STEEL CASING UNDERSIDE OF 82 SLAB. REINFORCING BARS TO EXTEND TO ADIT SLAB.
PLUNGE	RC1200	LEAN MIX OR GRAVEL FROM +112.000 TO	+109.975 PILE +123.900 COLUMN	+80.750*	NA	PILED FROM PILING MAT AT GRADE	16H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	BENTONITE		/-10 COLUMN 1	LIN 400	+/-100mm PILE +/-10mm COLUMN		3655	2230	1500	35	PILE IS IN MOST CASES INCORPORATE A PLUNGE COLUMN. SEE PILING AND COLUMN LAYOUTS FOR 50 PLUNGE COLUMN SIZES. PLUNGE COLUMNS ASSUMED TO EXTEND 4m BELOW PERMANENT CUT OFF LEVEL, TO CONTRACTOR DESIGN.
PLUNGE	RC1200	+112,000 (CONCRETE) BACKFILLED WITH	+109.975 PILE +123.900 COLUMN	+86,000*	NA	PILED FROM PILING MAT AT GRADE	16H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	BENTONITE		+/-25 PILE 1 1 IN	N 200 PILE LIN 400	+/-100mm PILE +/-10mm COLUMN		3280	1755	1500	27.	PILE IS IN MOST CASES INCORPORATE A PLUNGE COLUMN. SEE PILING AND COLUMN LAYOUTS FOR 15 PLUNGE COLUMN SIZES. PLUNGE COLUMNS ASSUMED TO EXTEND 4m BELOW PERMANENT CUT OFF LEVEL, TO CONTRACTOR DESIGN.
PLUNGE	RC1200	+112 000 (CONCRETE) BACKELLED WITH	+109.975 PILE +123.900 COLUMN	+91.500*	NA	PILED FROM PILING MAT AT GRADE	16H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	BENTONITE		+/-25 PILE 1 1 N	N 200 PILE L IN 400	+/-100mm PILE +/-10mm COLUMN		2325	935	1500	20	PILE IS IN MOST CASES INCORPORATE A PLUNGE COLUMN. SEE PILING AND COLUMN LAYOUTS FOR 10 PLUNGE COLUMN SIZES. PLUNGE COLUMNS ASSUMED TO EXTEND 4m BELOW PERMANENT CUT OFF 12 LEVEL, TO CONTRACTOR DESIGN.
PLUNGE	RC1200	+112 000 (CONCRETE) BACKELLED WITH	+109.975 PILE +123.900 COLUMN	+96.400*	+96.000* (NO BENTONITE)	PILED FROM PILING MAT AT GRADE	16H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	NA		/-10 COLUMN 1	LIN 400	+/-100mm PILE +/-10mm COLUMN		1600	720	1500	15	PILE IS IN MOST CASES INCORPORATE A PLUNGE COLUMN, SEE PILING AND COLUMN LAYOUTS FOR 50 PLUNGE COLUMN SIZES. PLUNGE COLUMNS ASSUMED TO EXTEND 4m BELOW PERMANENT CUT OFF LEVEL, TO CONTRACTOR DESIGN.
PLUNGE	RC1200	+112.000 (CONCRETE) BACKFILLED WITH LEAN MIX OR GRAVEL FROM +112.000 TO +124.555, TO CONTRACTORS DETAIL	+114.075 PILE +123.900 COLUMN	+86.000*	NA	PILED FROM PILING MAT AT GRADE	16H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	BENTONITE	60	/-10 COLUMN 1	LIN 400	+/-100mm PILE +/-10mm COLUMN		740	410	1500	27	PILE IS IN MOST CASES INCORPORATE A PLUNGE COLUMN. SEE PILING AND COLUMN LAYOUTS FOR 15 PLUNGE COLUMN SIZES. PLUNGE COLUMNS ASSUMED TO EXTEND 4m BELOW PERMANENT CUT OFF LEVEL, TO CONTRACTOR DESIGN.
HANGING LUNGE	RC1200	BACKFILLED WITH LEAN MIX OR GRAVEL FROM +112.700 TO +124.555, TO CONTRACTORS DETAIL	+123.905 COLUMN	+112.700*	+112.500*	PILED FROM PILING MAT AT GRADE	NA	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	NA		+/-25 PILE 1	LIN 400	+/-100mm PILE +/-10mm COLUMN					NA	NOTE: HANGING PLUNGE COLUMN, PLACED PRIOR TO INSTALLATION OF GROUND FLOOR LONG SPAN BEAMS. COLUMN EXPOSED DURING ADIT CONSTRUCTION AND INCORPORATED INTO ADIT
600	RC600	+112.000 (CONCRETE) BACKFILLED WITH LEAN MIX OR GRAVEL FROM +112.000 TO +124.555, TO CONTRACTORS DETAIL	+109.975	+96.00*	+96.000* (NO BENTONITE)		12H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	NA	60	+/-25 1	L IN 200	+/-100mm TOE		740	410	1000	10	00 TENSION PILES TO B2 SLAB
900	RC900	+116.000 (CONCRETE) BACKFILLED WITH LEAN MIX OR GRAVEL FROM +112.000 TO +124.555, TO CONTRACTORS DETAIL	+114.075	+106.000*	+96.000* (NO BENTONITE)		CONTRACTOR CHOICE	CONTRACTOR CHOICE	SHEAR/TENSION CONNECTORS POST DRILLED AS PART OF LINING WALL CONSTRUCTION	CONTRACTOR CHOICE	75	NA	60	+/-25 1	1 IN 200	+/-100mm TOE	INCLINOMETER					
900	RC900	+112.000 (CONCRETE) BACKFILLED WITH LEAN MIX OR GRAVEL FROM +112.000 TO +124.555, TO CONTRACTORS DETAIL	+109.975	+96.400*	+96.000* (NO BENTONITE)	PILED FROM PILING MAT AT GRADE	12H32 FROM +112m TO TOE	CONTRACTOR CHOICE	NA	CONTRACTOR CHOICE	75	NA	60	+/-25 1	L IN 200	+/-100mm TOE		1060	595	1000	10	IO TENSION PILES
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nentation is subject um rcement is																						
	ARD/ 600 IRM AR	ARD/ 600 RC900 ARD/ 600 RC900	ARD 600	### ### ### ### ### ### ### ### ### ##	122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,000 122,	1.00		1986	March Marc	1.	Part		March Marc				Column C					

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DO NOT SCALE FROM THIS DRAWING.

ANY DRAWING ERRORS OR DIVERGENCES SHOULD BE BROUGHT TO THE ATTENTION OF ENGENUITI AT THE ADDRESS SHOWN BELOW.

NOTES

B2 PLANNING MMA
B1 PLANNING MMA
NA
CF 19/06/15

REVISION / DESCRIPTION

DRAWN

CHECKED

DATE

CUENT

ARCHITECT

Consolidated
Developments
Limited

ORMS

1 Oliver's Yard
55-71 City Road
London EC1Y 1HQ

0207 833 8533 orms@orms.co.uk orms.co.uk

> 2 Maltings Place Tower Bridge Road London SE1 3JB United Kingdom +44 (0)20 7089 5760 www.engenuiti.com

ST GILES CIRCUS, LONDON WC1

PILING SCHEDULE
SHEET 1

24.09.15 B2 REVISION B2

1:100 @ A1 @ A3

PROJECT NUMBER ORAWING No. SGC-ENG-ZZ-F-DR-S-01032

DUELD	DU E TVDE	LIADD /FIDAA	DIAMAETER /	NORTHING / \	FACTING (
PILE ID	PILE TYPE	HARD/FIRM	DIAMETER (mm)	NORTHING (mm)	EASTING (mm)
CP01	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
CP02	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
CP03	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
CP04	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
CP05	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
CP06	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
CP07	CONSOLIDATED PILE	HARD	EXISTING	EXISTING	EXISTING
P1	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P2	M3	HARD	1200	36074406.9	80208757.27
Р3	Р	HARD	900	36072214.97	80207126.59
P4	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P5	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P6	N	HARD	600	36071812.13	80212104.12
P7	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P8	M3	HARD	1200	36075528.85	80214430.28
Р9	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P10	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P11	M4	HARD	1200	36071274.62	80217495.11
P12	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P13	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P14	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P15	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P16	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P17	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P18	M3	HARD	1200	36075455.74	80223298.84
P19	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P20	M3	HARD	1200	36076534.58	80228230.36
P21	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P22	M4	HARD	1200	36072005.77	80229945.78
P23	M3	HARD	1200	36079627.29	80228893.92
P24	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P25	M4	HARD	1200	36075362.06	80234604.58
P26	N	HARD	600	36072275.98	80233758.86
P27	N	HARD	600	36075187.04	80237799.65
P28	M4	HARD	1200	36071877.22	80237300.00
P29	M4	HARD	1200	36073139.81	80240113.11
P30	M3	HARD	1200	36070204.01	80243231.97
P31	M1	HARD	1200	36055229.78	80206624.91
P32	M2	HARD	1200	36052836.76	80208348.89
P33	M3	HARD	1200	36048464.51	80206041.61
P34	M4	HARD	1200	36050130.42	80208354.03
P35	M4	HARD	1200	36052676.39	80208354.03
P36	M2	HARD	1200	36054310.81	80211433.89
P37	M4	HARD	1200	36049370.12	80213722.0
P38	M2	HARD	1200	36051998.4	80211227.01
P39	M2	HARD	1200	36045300.15	80208321.28
		+		+	
P40	M3	HARD	1200	36046844.36	80210721.37
P41	M4	HARD	1200	36045344.91	80211801.6
P42	P	HARD	900	36046204.3	80213507.73
P43	M2	HARD	1200	36049319.4	80217318.51
P44	P	HARD	900	36052156.49	80219763.04
P45	M3	HARD	1200	36054253.06	80222031.7
P46	P	HARD	900	36043690.15	80213143.42
P47	Р	HARD	900	36045443.74	80215577.54

PILE ID	PILE TYPE	HARD/FIRM	DIAMETER (mm)	NORTHING (mm)	EASTING (mm)
P48	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P49	Р	HARD	900	36048830.27	80220278.31
P50	Р	HARD	900	36050614.48	80222754.94
P51	Р	HARD	900	36052398.69	80225231.57
P52	Р	HARD	900	36040781.72	80214782.95
P53	M3	HARD	1200	36041912.53	80216421.34
P54	M4	HARD	1200	36042939.94	80217855.3
P55	M2	HARD	1200	36045833.96	80221872.43
P56	Р	HARD	900	36048206.63	80223743.72
P57	M3	HARD	1200	36049633.34	80225667.45
P58	M4	HARD	1200	36053470.87	80231037.01
P59	N	HARD	600	36038347.73	80216536.71
P60	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P61	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P62	M4	HARD	1200	36047221.29	80227220.27
P63	Р	HARD	900	36049305.97	80229600.73
P64	M4	HARD	1200	36051137.63	80232656.46
P65	M4	HARD	1200	36037668.05	80221653.27
P66	M2	HARD	1200	36042428.23	80224325.99
P67	M3	HARD	1200	36045438.56	80228504.58
P68	Р	HARD	900	36047196.67	80231120.31
P69	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P70	M3	HARD	1200	36079976.76	80225750.17
P71	M4	HARD	1200	36082456.96	80229192.35
P72	NOT USED	HARD	NOT USED	NOT USED	NOT USED
P73	M3	HARD	1200	36079014.77	80231672.55
P74	Р	HARD	900	36074919.75	80211603.8
P75	M3	HARD	1200	36073635.55	80216287.25
P76	Р	HARD	900	36077889.74	80221545.08
P77	Р	HARD	900	36073482.09	80220559.25
P78	N	HARD	600	36073021.75	80225052.6
P101	G-B	HARD	900	36069550.08	80201671.18
P102	G	HARD	900	36069472.12	80202868.64
P103	G	HARD	900	36069394.16	80204066.11
P104	G	HARD	900	36069316.21	80205263.57
P105	G-B	HARD	900	36069238.25	80206461.04
P106	G	HARD	900	36069160.29	80207658.5
P107	G	HARD	900	36069082.33	80208855.97
P108	G-B	HARD	900	36069004.37	80210053.43
P109	G	HARD	900	36068926.41	80211250.9
P110	G	HARD	900	36068848.45	80212448.36
P111	G-B	HARD	900	36068770.49	80213645.83
P112	G	HARD	900	36068692.53	80214843.29
P113	G	HARD	900	36068614.57	80216040.76
P114	G-B	HARD	900	36068536.62	80217238.22
P115	G	HARD	900	36068458.66	80218435.69
P116	G	HARD	900	36068380.7	80219633.15
P117	G-B	HARD	900	36068302.74	80220830.62
P118	G	HARD	900	36068224.78	80222028.08
P119	G	HARD	900	36068146.82	80223225.55
P120	G-B	HARD	900	36068068.86	80224423.01
P121	G	HARD	900	36067990.9	80225620.48
P122	G	HARD	900	36067912.94	80226817.94
P123	G-B	HARD	900	36067834.98	80228015.41

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NOTES

B2 PLANNING MMA B1 PLANNING MMA NA CF 17/11/15 NA CF 19/06/15



Consolidated
Developments
Limited

ORMS

1 Oliver's Yard
55-71 City Road
London EC1Y 1HQ

0207 833 8533 orms@orms.co.uk orms.co.uk

engenuiti IMAGINE + CREATE + ENGINEER

2 Maltings Place Tower Bridge Road London SE1 3JB United Kingdom +44 (0)20 7089 5760 www.engenuiti.com

ST GILES CIRCUS, LONDON WC1

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24.09.15

1:100 @ A1 @ A3

PROJECT NUMBER DRAWING No. SGC-ENG-ZZ-F-DR-S-01033

B2