



C02 INDICATES CORNER SETTING OUT COORDINATES (AS SPECIFIED BY HFMHK)

D-P03 INDICATES PILE SETTING OUT COORDINATES

BLOCK - D1 & D2 PILE SETTING OUT

SCALE 1-100

BLOCK-D SETTING OUT			
#	EASTING	NORTHING	CUT OFF LVL
C01	533140.396	189011.078	-
C02	533143.817	189010.45	-
C03	533143.695	189009.786	-
C04	533149.458	189008.727	-
C05	533149.58	189009.391	-
C06	533155.545	189008.296	-
C07	533155.424	189007.632	-
C08	533161.187	189006.573	-
C09	533161.309	189007.237	-
C10	533164.729	189006.609	-
C11	533164.607	189005.945	-
C12	533166.941	189005.517	-
C13	533167.063	189006.181	-
C14	533170.483	189005.553	-
C15	533170.361	189004.889	-
C16	533176.125	189003.83	-
C17	533176.247	189004.494	-
C18	533179.667	189003.866	-
C19	533179.423	189002.538	-
C20	533181.425	189002.171	-
C21	533182.421	189007.595	-
C22	533195.468	189005.199	-
C23	533194.614	189000.552	-
C24	533195.721	189000.349	-
C25	533195.011	188996.486	-
C26	533193.905	188996.689	-
C27	533193.294	188993.369	-
C28	533194.4	188993.157	-
C29	533193.691	188989.294	-
C30	533179.537	188991.893	-
C31	533179.903	188993.882	-
C32	533138.63	189001.461	-

BLOCK-D SETTING OUT			
#	EASTING	NORTHING	CUT OFF LVL
D-P01	533140.561	189010.84	+11.065
D-P02	533143.576	189010.287	+11.065
D-P03	533146.659	189009.721	+11.065
D-P04	533149.746	189009.154	+11.065
D-P05	533152.526	189008.644	+11.065
D-P06	533155.306	189008.134	+11.065
D-P07	533158.393	189007.567	+11.065
D-P08	533161.475	189007.000	+11.065
D-P09	533164.489	189006.447	+11.065
D-P10	533167.229	189005.944	+11.065
D-P11	533170.243	189005.391	+11.065
D-P12	533173.328	189004.824	+11.065
D-P13	533176.412	189004.257	+11.065
D-P14	533179.427	189003.705	+11.065
D-P15	533139.126	189006.342	+11.065
D-P16	533140.306	189006.125	+11.065
D-P17	533142.731	189005.679	+11.065
D-P18	533145.225	189005.22	+11.065
D-P19	533146.405	189005.003	+11.065
D-P20	533148.901	189004.547	+11.065
D-P21	533151.091	189004.144	+11.065
D-P22	533152.271	189003.927	+11.065
D-P23	533154.46	189003.527	+11.065
D-P24	533156.958	189003.067	+11.065
D-P25	533158.138	189002.85	+11.065
D-P26	533160.63	189002.393	+11.065
D-P27	533162.986	189001.96	+11.065
D-P28	533164.166	189001.743	+11.065
D-P29	533165.86	189001.432	+11.065
D-P30	533167.041	189001.216	+11.065

BLOCK-D SETTING OUT			
#	EASTING	NORTHING	CUT OFF LVL
D-P31	533169.398	189000.784	+11.065
D-P32	533171.893	189000.325	+11.065
D-P33	533173.073	189000.108	+11.065
D-P34	533175.567	188999.65	+11.065
D-P35	533177.992	188999.206	+11.065
D-P36	533179.172	188998.989	+11.065
D-P37	533138.871	189001.627	+11.065
D-P38	533141.886	189001.073	+11.065
D-P39	533144.967	189000.507	+11.065
D-P40	533148.056	188999.94	+11.065
D-P41	533150.834	188998.429	+11.065
D-P42	533153.615	188998.919	+11.065
D-P43	533156.701	188998.352	+11.065
D-P44	533159.784	188997.785	+11.065
D-P45	533162.799	188997.231	+11.065
D-P46	533165.538	188996.728	+11.065
D-P47	533168.553	188996.175	+11.065
D-P48	533171.636	188995.607	+11.065
D-P49	533174.722	188995.04	+11.065
D-P50	533177.736	188994.487	+9.995
D-P51	533182.589	189007.357	+9.995
D-P52	533184.26	189007.661	+9.995
D-P53	533184.044	189006.481	+9.995
D-P54	533188.283	189006.923	+9.995
D-P55	533188.066	189005.742	+9.995
D-P56	533192.987	189006.059	+9.995
D-P57	533192.77	189004.879	+9.995
D-P58	533195.228	189005.038	+9.995
D-P59	533182.121	189004.822	+9.995
D-P60	533179.183	189002.375	+9.995

BLOCK-D SETTING OUT			
#	EASTING	NORTHING	CUT OFF LVL
D-P61	533183.294	189002.398	+9.995
D-P62	533183.077	189001.217	+9.995
D-P63	533187.316	189001.659	+9.995
D-P64	533187.1	189000.479	+9.995
D-P65	533192.02	189000.795	+9.995
D-P66	533191.803	188999.615	+9.995
D-P67	533195.482	189000.181	+9.995
D-P68	533180.645	188999.254	+9.995
D-P69	533185.084	188999.049	+9.995
D-P70	533184.867	188997.869	+9.995
D-P71	533189.304	188998.422	+9.995
D-P72	533189.087	188997.241	+9.995
D-P73	533193.74	188996.928	+9.995
D-P74	533194.847	188996.724	+9.995
D-P75	533180.105	188996.322	+9.995
D-P76	533184.435	188995.526	+9.995
D-P77	533188.715	188993.919	+9.995
D-P78	533193.055	188993.192	+9.995
D-P79	533194.159	188992.989	+9.995
D-P80	533179.779	188992.056	+9.995
D-P81	533183.777	188991.935	+9.995
D-P82	533183.56	188990.754	+9.995
D-P83	533188.203	188991.119	+9.995
D-P84	533187.986	188989.939	+9.995
D-P85	533193.523	188989.533	+9.995

- CDM REGULATIONS 2015 - DESIGNER'S SIGNIFICANT RISKS**
- SHORING/PROPPING TO DEEP EXCAVATIONS TO DESIGNED BY OTHERS.
 - EDGES OF EXCAVATIONS SHOULD BE PROTECTED WITH SUBSTANTIAL BARRIERS WHERE PEOPLE ARE LIABLE TO FALL INTO THEM.
 - UNKNOWN EXISTING SERVICES.
 - TEMPORARY PROPPING UNTIL ALL STEEL or LINTELS ARE FULLY SECURED, BOLTED AND/OR DRY PACKED.

Notes:
PILING NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS & SPECIFICATIONS.
- DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING. ALL DIMENSIONS ARE TO BE CHECKED AGAINST LATEST SITE LAYOUT PRIOR TO PILING. ANY ANOMALIES TO BE RAISED IMMEDIATELY WITH THE ENGINEER.
- THE PILING DESIGN AND INSTALLATION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PILES TO BE DESIGNED AND INSTALLED TO SUIT THE SAFE WORKING LOADS GIVEN ON THE LAYOUTS. PILING DESIGN IS TO INCORPORATE A SAFETY FACTOR OF 1.0. IF A LOWER FACTOR OF SAFETY IS PROPOSED BY THE PILING SPECIALIST, PILE LOAD TESTING MUST BE UNDERTAKEN AT A RATE OF 1 IN EVERY 100 PILES FOR THE FIRST 300 PILES AND 1 IN EVERY 300 PILES THEREAFTER TO JUSTIFY THE LOWER FACTOR OF SAFETY. LOAD TESTS MUST BE ACCOMPANIED WITH PROPOSALS FOR ULTIMATE LOAD TESTS AS REQUIRED FOR THE PROPOSED DESIGN. INTEGRITY TESTING IS TO BE CARRIED OUT ON ALL CFA PILES.
- ALL PILE LOADS SHOWN ARE IN KILONEWTONS (KN) AND ARE UNFACTORED. LOADS ARE FOR THE SUPPORT OF THE STRUCTURE ABOVE ONLY AND DO NOT INCLUDE ANY ALLOWANCE FOR SOIL CONSOLIDATION OR HEAVE. NOR FOR ANY LATERAL LOADS THAT MAY BE APPLIED TO THE PILING CONTRACTOR IS TO ALLOW FOR ADDITIONAL FUTURE LOADING FROM CONSOLIDATING FILL OR HEAVE FROM CLAY SOILS AS DETERMINED BY SITE CONDITIONS. FOR TENSILE HEAVE FORCES, PILES TO BE DESIGNED WHERE REQUIRED BY SITE CONDITIONS, OVER THE TOP 3m, OR THE DEPTH OF DESICCATED MATERIAL PLUS 0.5m, WHICHEVER IS THE GREATER.
- ALL PILING SHALL BE IN ACCORDANCE WITH THE I.C.E. MODEL PILING SPECIFICATION AND LATEST AMENDMENTS. PILING DESIGN TO BE SUBMITTED TO ENGINEER FOR COMMENT AT LEAST 14 DAYS PRIOR TO PILING WORKS BEING UNDERTAKEN.
- ALL PILES TO BE INSTALLED WITH A MINIMUM OF 300mm OF PILE REMAINING ABOVE THE CUT-OFF LEVEL GIVEN ON THE DRAWINGS. PILES TO BE BROKEN DOWN AFTER INSTALLATION AND THE REINFORCEMENT TO BE BENT INTO GROUND BEAM OVER.
- PILES TO BE INSTALLED TO DIMENSIONS GIVEN. CO-ORDINATES ARE GIVEN FOR ASSISTANCE ONLY AND MUST BE CHECKED AGAINST DIMENSIONS GIVEN PRIOR TO PILING. MAXIMUM TOLERANCE FOR OUT OF POSITION ± 75 mm. WHERE PILES ARE INSTALLED OUTSIDE THIS TOLERANCE, PILING CONTRACTOR TO PROPOSE AND IMPLEMENT ALL REMEDIAL WORK INCLUDING ADDITIONAL PILING IF NECESSARY AT NO EXTRA COST UNLESS AGREED OTHERWISE.
- FFLS ARE GIVEN FOR GUIDANCE ONLY. ALWAYS REFER TO LATEST ROAD AND DRAINAGE LAYOUT DRAWINGS FOR APPROVED FFLS. ADJUST TOP OF GROUND BEAM ACCORDINGLY TO SUIT IF FLOOR LEVELS VARY.
- PILES SHALL BE EITHER CONTINUOUS FLIGHT AUGER OR BORED, AS RECOMMENDED BY THE PILING SPECIALIST. PILES TO BE DESIGNED IN ACCORDANCE WITH BS 8004 'FOUNDATIONS' WITH A SAFETY FACTOR AGAINST FAILURE TO THE APPROVAL OF THE LOCAL AUTHORITY, NHBC AND THE ENGINEER.
- THE CONTRACTOR IS TO ENSURE THAT ALL PILES FOUND IN THE SAME STRATA.
- PILING CONCRETE SHALL BE A MINIMUM CLASS DS-2, IN ACCORDANCE WITH BRE SPECIAL DIGEST NO. 1 UNLESS NOTED OTHERWISE.
- THE MINIMUM PILE DIAMETER IS ASSUMED TO BE 250mm. TO A MAXIMUM OF 150mm LESS THAN GROUND BEAM WIDTH. THE ENGINEER IS TO BE INFORMED IF THIS IS LIKELY TO BE EXCEEDED.
- ALL PILES ARE TO BE CENTRAL ABOUT GRID LINES UNLESS NOTED OTHERWISE. THE ENGINEER IS TO BE INFORMED OF ANY VARIATION REQUIRED ON SITE TO ALLOW FOR REVISION OF THE PILE LAYOUT.
- ANY EXISTING PILES EXPOSED ON SITE WHICH ARE LOCATED WITHIN 300mm PILE DIAMETERS OR 2.0m (WHICHEVER IS THE GREATER, CALCULATED USING THE LARGEST PILE) OF ANY NEW PILE, ARE TO BE REPORTED TO THE ENGINEER PRIOR TO WORK COMMENCING ON SITE.
- ANY EXISTING PILES LOCATED WITHIN THE BOUNDARY OF THE SITE/LOT ARE TO BE CUT DOWN TO A MINIMUM 300mm BELOW THE UNDERSIDE OF ANY NEW GROUND BEAMS. EXISTING PILES LOCATED WITHIN THE PERIMETER OF ANY GROUND BEAM LAYOUT ARE TO BE CUT DOWN SIMILARLY AND CAPPED WITH A MINIMUM 300mm OF COMPRESSIBLE MATERIAL PRIOR TO COSTING OF THE GROUND BEAMS.
- A FULL LOG OF THE PILING WORKS IN ACCORDANCE WITH THE REQUIREMENTS OF THE I.C.E. MODEL PILING WORKS SHALL BE MADE AND COPIES DISTRIBUTED AT THE END OF EACH WORKING WEEK TO THE LOCAL AUTHORITY, NHBC, THE ENGINEER AND THE CLIENT.
- (REFER TO ENGINEER'S GROUND BEAM NOTES ON REINFORCEMENT DRAWINGS).

A	CONSTRUCTION ISSUE	TGH	SMB	29.07.24
Rev	Description	Drn	Chk	Date



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Client



Project

BRUNEL WALK
BLOCK D1 & D2

Drawing

PILE COORDINATE SETTING OUT

FOR CONSTRUCTION

Scale @ A1 AS SHOWN	Date 22.02.24	Drawn by TGH	Checked SMB
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BdR Project & Drawing No.

24-0008 S050

Rev

A

DRAWING NO./PROJECT - ORIGINATOR - ZONE - LEVEL - TYPE - DISCIPLINE - NUMBER

0053-BdR-B3-FN-DR-S-2050