

A1



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

C-P03 INDICATES PILE SETTING OUT
COORDINATES

BLOCK-C SETTING OUT

#	EASTING	NORTHING
C-P01	533100.138	189022.659
C-P02	533104.334	189022.635
C-P03	533108.533	189023.207
C-P04	533108.526	189022.007
C-P05	533111.905	189023.188
C-P06	533111.898	189021.988
C-P07	533114.565	189022.574
C-P08	533114.558	189021.374
C-P09	533114.551	189020.174
C-P10	533117.146	189021.359
C-P11	533117.139	189020.159
C-P12	533119.733	189021.344
C-P13	533119.726	189020.144
C-P14	533122.317	189020.729
C-P15	533122.477	189017.976
C-P16	533111.277	189017.983
C-P17	533109.026	189018.636
C-P18	533109.019	189017.436
C-P19	533107.983	189018.042
C-P20	533104.307	189018.063
C-P21	533100.713	189018.447
C-P22	533099.514	189018.454
C-P23	533099.489	189014.245
C-P24	533100.689	189014.238
C-P25	533103.633	189013.807
C-P26	533107.19	189015.471
C-P27	533108.487	189015.464
C-P28	533106.66	189013.79
C-P29	533107.703	189014.383
C-P30	533107.696	189013.183
C-P31	533110.57	189013.767
C-P32	533112.17	189013.767
C-P33	533110.56	189012.167
C-P34	533112.16	189012.157
C-P35	533114.656	189016.123
C-P36	533115.856	189016.115
C-P37	533118.134	189016.102
C-P38	533119.334	189016.095
C-P39	533122.29	189016.078
C-P40	533114.442	189013.744
C-P41	533116.042	189013.734
C-P42	533114.433	189012.144
C-P43	533116.033	189012.134
C-P44	533118.114	189012.797
C-P45	533119.314	189012.79
C-P46	533121.668	189012.714
C-P47	533122.868	189012.707
C-P48	533122.241	189009.606
C-P49	533118.696	189009.627
C-P50	533115.208	189009.647
C-P51	533111.335	189009.67
C-P52	533108.176	189009.978
C-P53	533107.158	189009.99
C-P54	533103.611	189010.011
C-P55	533100.064	189010.032
C-P56	533109.151	189005.591
C-P57	533110.722	189005.582
C-P58	533111.922	189005.575
C-P59	533115.195	189006.158
C-P60	533115.188	189004.958
C-P61	533118.675	189006.137
C-P62	533118.668	189004.937
C-P63	533122.231	189006.117
C-P64	533122.224	189004.917
C01	533099.933	189022.867
C02	533114.773	189022.779
C03	533114.762	189020.979
C04	533122.525	189020.934
C05	533122.433	189005.307
C06	533108.943	189005.386
C07	533108.969	189009.773
C08	533099.857	189009.827

CDM REGULATIONS 2015 - DESIGNER'S SIGNIFICANT RISKS



1. SHORING/PROPPING TO DEEP EXCAVATIONS TO DESIGNED BY OTHERS.
2. EDGES OF EXCAVATIONS SHOULD BE PROTECTED WITH SUBSTANTIAL BARRIERS WHERE PEOPLE ARE LIABLE TO FALL INTO THEM.
3. UNKNOWN EXISTING SERVICES.
4. TEMPORARY PROPPING UNTIL ALL STEEL or LINTELS ARE FULLY SECURED, BOLTED AND/OR DRY PACKED.

NOTES:

PILING NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS & SPECIFICATIONS.
2. 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.
3. 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 3.0. IF A LOWER FACTOR OF SAFETY IS PROPOSED BY THE CONTRACTOR, THIS SHALL BE SUBMITTED TO THE CLIENT FOR BEUNDERKANTEN AT A RATE OF 1 IN EVERY 100 PILES FOR THE FIRST 300 PILES AND 1 IN EVERY 300 PILES THEREAFTER. TO OBTAIN THE FINAL FACTOR OF SAFETY, THE 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.
4. 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 APPLICABLE. THE PILING CONTRACTOR IS TO TAKE INTO CONSIDERATION THE FILL LOADING FROM CONSOLIDATING FILL OR HEAVE FROM CLAY SOILS AS DETERMINED BY SITE CONDITIONS. FOR TENSILE HEAVE FORCES, PILES TO BE DESIGNED AS REQUIRED BY THE ENGINEER. OVER THE TOP 3m, OR THE DEPTH OF DESICCATED MATERIAL PLUS 0.5m, WHICHEVER IS THE GREATER.
5. ALL PILING SHALL BE IN ACCORDANCE WITH THE I.C.E. MODEL PILING SPECIFICATION AND LATEST AMENDMENTS. PILING DESIGN IS TO BE SUBMITTED TO THE ENGINEER FOR COMMENT AT LEAST 14 DAYS PRIOR TO PILING WORKS BEING UNDERTAKEN.
6. ALL PILES TO BE INSTALLED WITH A MINIMUM OF 300mm OF PILE SKIN ABOVE ONLY. THE CUT-OFF LEVEL GIVEN ON THE DRAWINGS, PILES TO BE BROKEN DOWN AFTER INSTALLATION AND THE REINFORCEMENT TO BE BENT INTO GROUND BEAM COVER.
7. PILES TO BE INSTALLED TO DIMENSIONS GIVEN. CO-ORDINATES ARE GIVEN FOR ASSISTANCE ONLY AND MUST BE CHECKED AGAINST THE DIMENSIONS GIVEN ON THE LAYOUTS. A MINIMUM TOLERANCE FOR OUT OF POSITION $\pm 75\text{mm}$. WHERE PILES ARE INSTALLED OUTSIDE THIS TOLERANCE, PILING CONTRACTOR TO BE RESPONSIBLE FOR IMPLEMENTING ANY SYSTEMIC WORK INCLUDING ADDITIONAL PILING IF NECESSARY AT NO EXTRA COST UNLESS AGREED OTHERWISE.
8. FFL'S ARE GIVEN FOR GUIDANCE ONLY. ALWAYS REFER TO LATEST ROAD AND DRAINAGE LAYOUT DRAWINGS FOR APPROVED FFL'S. ADJUST TOP OF GROUND BEAM ACCORDINGLY TO SUIT FLOOR LEVELS VARY.
9. PILES SHALL BE EITHER CONTINUOUS FLIGHT AUGER OR BORED, AS RECOMMENDED BY THE SPECIALIST. PILES TO BE INSTALLED IN ACCORDANCE WITH BS 8004 FOUNDATIONS. WITH A SAFETY FACTOR AGAINST FAILURE TO THE APPROVAL OF THE LOCAL AUTHORITY, NHBG AND THE ENGINEER.
10. THE CONTRACTOR IS TO ENSURE THAT ALL PILES FOUND IN THE SAME STRATA.
11. PILING CONCRETE SHALL BE A MINIMUM CLASS DS-2. IN ACCORDANCE WITH BRE SPECIAL DIGEST NO. 1 UNLESS NOTED OTHERWISE.
12. 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.
13. ALL PILES ARE TO BE CENTRAL ABOUT GRID LINES UNLESS NOTED OTHERWISE. THE ENGINEER IS TO BE INFORMED OF ANY VARIATIONS REQUIRED ON SITE TO ALLOW FOR REVISION OF THE PILE LAYOUT.
14. ANY EXISTING PILES EXPOSED ON SITE WHICH ARE LOCATED WITHIN 3m. PILE DIAMETERS OR 2.3m (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.
15. ANY EXISTING PILES LOCATED WITHIN THE BOUNDARY OF THE SITE ARE TO BE RECORDED BY THE ENGINEER. BELOW THE UNDERSIDE OF ANY NEW GROUND BEAMS. EXISTING PILES LOCATED WITHIN THE PERIMETER OF ANY GROUND BEAM LAYOUT ARE TO BE RECORDED DOWN TO THE UNDERSIDE OF THE MINIMUM 300mm OF COMPRESSIBLE MATERIAL PRIOR TO COSTING OF THE GROUND BEAMS.
16. 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 DAY TO THE LOCAL AUTHORITY, NHBG, THE ENGINEER AND THE CLIENT.
17. (REFER TO ENGINEER'S GROUND BEAM NOTES ON REINFORCEMENT DRAWINGS).

A	CONSTRUCTION ISSUE	TGH	SMB	29.07.24
Rev	Description	Drn	Chk	Date

BdR 

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Client

SBC
SELSDON
Building Contractors
— LIMITED —

Project
BRUNEL WALK
BLOCK C

Drawing

PILE COORDINATE SETTING OUT

FOR CONSTRUCTION

Scale @ A1 AS SHOWN	Date 22.02.24	Drawn by TGH	Checked SMB
BdR Project & Drawing No. 24-0008 S031			Rev A
DRAWING NO.(PROJECT - ORIGINATOR - ZONE - LEVEL - TYPE - DISCIPLINE - NUMBER) 0053-BdR-B1-FN-DR-S-2031			