

PILE		CUT-OFF LEVEL (m)	VERTICAL LOADS							SHEAR
PILE REF	SIZE		DEAD (kN)		IMPOSED (kN)	WIND (kN)		EHL (kN)		
			Gk (MAX)	Gk (MIN)	Qk	Wk (+)	Wk (-)	EHF (MAX)	EHF (MIN)	
P01	450	39.150	325	150	100	50	-50	10	-10	40
P02	450	39.150	325	125	100	50	-50	10	-10	40
P03	450	39.150	400	175	150	50	-50	10	-10	40
P04	450	39.150	400	175	150	50	-50	10	-10	40
P05	450	39.150	500	225	225	40	-40	10	-10	40
P06	450	39.150	350	175	150	20	-20	10	-10	40
P07	450	39.150	350	175	150	20	-20	10	-10	40
P08	450	39.150	375	175	125	30	-30	10	-10	40
P09	450	39.150	375	175	125	30	-30	10	-10	40
P10	450	39.150	350	125	125	10	-10	10	-10	40
P11	450	39.150	350	125	125	10	-10	10	-10	40
P12	450	39.150	350	125	100	30	-30	10	-10	40
P13	450	39.150	500	250	225	40	-40	10	-10	40
P14	450	39.150	500	250	225	40	-40	10	-10	40
P15 ②	450	39.150	525	300	250	10	-10	10	-10	40
P16	450	39.150	525	300	250	10	-10	10	-10	40
P17	450	39.150	350	200	200	10	-10	10	-10	40
P18	450	39.150	350	200	200	10	-10	10	-10	40
P19	450	39.150	375	200	200	10	-10	10	-10	40
P20	450	39.150	375	200	200	10	-10	10	-10	40
P21	450	39.150	375	225	200	150	-150	20	-20	40
P22	450	39.150	375	225	200	150	-150	20	-20	40
P23	450	38.150	325	125	150	60	-60	10	-10	40
P24	450	38.150	325	125	150	50	-50	10	-10	40
P25	450	38.150	325	125	150	60	-60	10	-10	40
P26	450	38.150	325	125	150	30	-30	10	-10	40
P27	450	38.150	325	125	150	20	-20	10	-10	40
P28	450	38.150	325	125	150	10	-10	10	-10	40
P29	450	38.150	325	125	150	30	-30	10	-10	40
P30	450	38.150	325	125	150	50	-50	10	-10	40
P31	450	39.150	425	175	125	10	-10	10	-10	40
P32	450	39.150	225	75	75	10	-10	10	-10	40
P33	450	39.150	225	75	75	10	-10	10	-10	40
P34	450	39.150	625	275	200	80	-80	20	-20	40
P35	450	39.150	400	175	125	60	-60	10	-10	40
P36	450	39.150	400	175	125	60	-60	10	-10	40
P37	450	39.150	500	225	200	40	-40	10	-10	40
P38	450	39.150	350	175	125	30	-30	10	-10	40
P39	450	39.150	350	175	125	30	-30	10	-10	40
P40 ①	450	39.150	325	175	125	180	-180	30	-30	40
P41 ①	450	39.150	325	175	125	180	-180	30	-30	40
P42	450	39.150	350	150	125	70	-70	10	-10	40
P43	450	39.150	350	150	125	70	-70	10	-10	40
P44	450	39.150	350	125	100	20	-20	10	-10	40

STATIC LOAD TEST PILE
(WORKING PILE)

TENSION PILE

KEY:

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DENOTES TENSION PILE

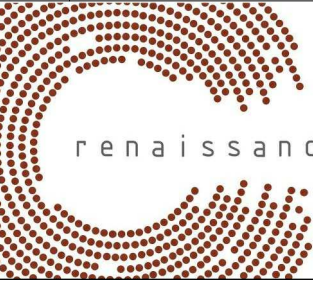
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DENOTES PILE TO BE STATIC LOAD TESTED. WORKING LOADS ARE AS PRESENTED TAKING THE HIGHEST LOADED COMPRESSION PILE. FOR STATIC LOAD TEST REQUIREMENTS REFER TO RENAISSANCE PROJECT PILING SPECIFICATION:- BSM-REN-00-XX-SP-S-00080, CL B1.2 (9)

IN ABEYANCE AWAITING FINAL LIFT/PIIT LEVEL AND
GROUND FLOOR SLAB SSL FROM ARCHITECT

- NOTES:
- REFER TO DRAWING BSM-REN-00-XX-DR-S-00010 FOR GENERAL NOTES.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE FROM THIS DRAWING. ANY AMBIGUITIES OR ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS TO BE CHECKED/VERIFIED ON SITE.
 - ALL LEVELS ARE IN METERS, ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE PROJECT DESIGN PHILOSOPHY. RENAISSANCE DOCUMENT REFERENCE:- BSM-REN-00-XX-RP-S-00020.
- PIILING NOTES:
- ALL PILING TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ICE SPECIFICATION FOR PILING AND EMBEDDED RETAINING WALLS AND THE PROJECT PILING SPECIFICATION. RENAISSANCE DOCUMENT REFERENCE:- BSM-REN-00-XX-SP-S-00080.
 - THE PILING DRAWINGS ARE TO BE CONSIDERED AS 'DESIGN INTENT' AND MAY BE SUBJECT TO DESIGN DEVELOPMENT.
 - THE PILING CONTRACTOR IS TO CONFIRM THAT THE GROUND INVESTIGATION AND OTHER INFORMATION PROVIDED IS SUITABLE FOR THEIR DESIGN. THE PILING CONTRACTOR IS TO ADVISE OF ANY ADDITIONAL INVESTIGATIONS IN THEIR TENDER RETURNS IF DEEMED NECESSARY.
 - ALL PILES ARE TO BE DESIGNED BY THE PILING CONTRACTOR FOR THE WORST COMBINATION OF THE LOADS STATED. THE PILING CONTRACTOR IS TO SUBMIT THE DESIGN FOR REVIEW BY THE ENGINEER WHEN APPROPRIATE, INCLUDING DETAILS OF THE PARTIAL SAFETY FACTORS AND MODEL FACTORS ADOPTED IN THE DESIGN.
 - ALL PILES ARE TO BE DESIGNED AS 'PINNED' HEAD, WITH NO LATERAL OR ROTATIONAL RESTRAINT PROVIDED BY THE FOUNDATIONS AND FRAME ABOVE, UNLESS REQUIRED FOLLOWING DETAILED PILE DESIGN.
 - THE PILING CONTRACTOR IS TO ALLOW FOR UNDERTAKING STATIC LOAD TESTS ON WORKING PILES TO VERIFY THEIR DESIGN AND LOAD SETTLMENT CHARACTERISTICS. ALL PILES TO BE INTEGRITY TESTED. A MINIMUM OF 1% OF ALL WORKING PILES ARE TO BE STATICALLY LOAD TESTED.
 - PILING CONTRACTOR TO CLASSIFY THE SITE RISK LEVEL IN LINE WITH THE FPS HANDBOOK ON PILE LOAD TESTING INCLUDING SUBMISSION OF RELEVANT SCHEDULES, PAST PROJECTS AND OTHER RELEVANT DATA. ALL INFORMATION TO BE SUBMITTED TO THE ENGINEER FOR REVIEW.
 - THE ACCESS ROUTE FOR ANY PILING EQUIPMENT IS TO BE ASSESSED BY THE CONTRACTOR'S TEMPORARY WORKS DESIGNER IN CONJUNCTION WITH THE PILING CONTRACTOR. PILING PLATFORM TO BE DESIGNED AS PART OF THE CONTRACTOR'S TEMPORARY WORKS PACKAGE AND PROVIDED AS NECESSARY TO ALLOW THE WORKS TO BE UNDERTAKEN IN A SAFE MANNER.
 - PILING CONTRACTOR SHOULD REFER TO THE GROUND INVESTIGATION AND ADOPT A SUITABLE CONCRETE GRADE AND MIX IN ACCORDANCE WITH BRE DIGEST 1:SD1 THIRD EDITION (2005).
 - ALL PILES TO BE UNIFORMLY REINFORCED AROUND CIRCUMFERENCE.
 - INTERACTIONS BETWEEN EXISTING STRUCTURES/SERVICES/HIGHWAYS/FOUNDATIONS AND THE PILES MUST BE CONSIDERED BY THE PILING CONTRACTOR.
 - ALL PILES TO BE DESIGNED FOR A DESIGN LIFE OF 120 YEARS.
 - PILING CONTRACTOR SHOULD REFER TO THE GROUND INVESTIGATIONS AND ADOPT A SUITABLE CONCRETE GRADE AND MIX IN ACCORDANCE WITH THE BRE DIGEST 1; SD1 THIRD EDITION (2005).

P03	DRAWING NUMBER (LEVEL) REVISED	24.04.23	GM	CB
P02	P42 MOVED TO GL G04	14.04.23	GM	CB
P01	STAGE 4 ISSUE	31.03.23	GM	CB
Rev:	Description:	Date:	By:	Chkd:



renaissance

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Project:
**BRUNSWICK STREET,
MANCHESTER**

Drawing Title:
PILING SCHEDULE

Status:
STAGE 4

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	MAR 23	GM	VN	CB

Scale:	1 : 50	Project No:	2004-04
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Project Code: Originator: Volume: Level: Type: Role: Category / Number: Rev:

BSM - REN - 00 - FN - DR - S - 01085 - P03