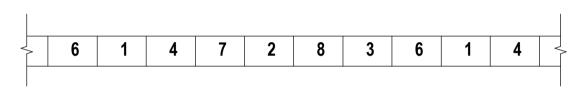
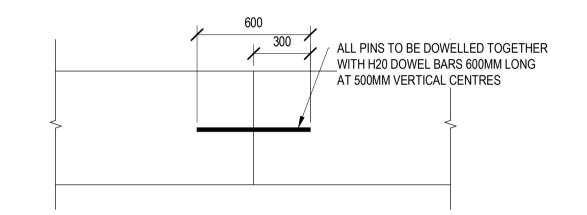


UNDEPINNING NOTES

- 1 THE UNDERPIN NUMBERING IS FOR IDENTIFICATION PURPOSES ONLY.
- 2 THE CENTRAL AREA OF EXCAVATION SHALL NOT BE CARRIED OUT UNTIL THE PERIMETER UNDERPINNING HAS BEEN COMPLETED.
- 3 THE SEQUENCE OF UNDERPINNING IS TO BE AGREED WITH THE CONTRACTOR AND WITH THE THE LOCAL AUTHORITY BUILDING CONTROL SURVEYOR ON SITE, BUT AT ALL TIMES THE MINIMUM REQUIREMENT FOR THE TIME LAPSE BETWEEN THE CONSTRUCTION OF ADJACENT PINS MUST BE
- 4 THE UNDERPINNING SHALL BE CARRIED OUT IN SHORT SECTIONS OF 1 METRE IN LENGTH IN THE SEQUENCE OF CONSTRUCTION AS SHOWN IN THE TYPICAL SEQUENCE DETAIL.
- 5 THE UNDERSIDE OF THE UNDERPINNING IS TO BE DUG TO A STRATA CAPABLE OF SUSTAINING A PERMISSIBLE GROUND BEARING PRESSURE OF 130 KN/M2 TO BE DETERMINED VIA IN-SITU SHEAR VEIN OR PLATE BEARING TEST
- THE CONCRETE OF THE UNDERPINS SHALL BE STOPPED OFF 75MM BELOW THE UNDERSIDE OF THE EXISTING STRIP FOOTING. THE UNDERSIDE OF THE EXISTING STRIP FOUNDATION SHALL BE TRIMMED AND CLEANED OF ALL MUD AND DEBRIS BEFORE DRY PACKING. THE DRY PACK SHALL BE A 1:3 SHARP SAND/CEMENT WELL RAMMED HOME IN HORIZONTAL LAYERS NOT EXCEEDING 75MM THICK. DRY PACKING SHALL BE LEFT FOR AT LEAST 48 HOURS BEFORE COMMENCING EXCAVATION FOR ANY ADJACENT UNDERPINS.
- THE CONTRACTOR IS TO KEEP A RECORD OF THE SEQUENCE AND DIMENSIONS OF THE UNDERPINNING ACTUALLY CARRIED OUT INCLUDING RELEVANT DETAILS OF EXCAVATION, CASTING CONCRETE AND PINNING UP FOR EACH SECTION.
- BACKFILLING BEHIND RETAINING LINER WALLS SHALL BE A GRADE C16/20 CONCRETE USING ORDINARY PORTLAND CEMENT.
- TEMPORARY WORKS FOR UNDERPINNING AND BASEMENT CONSTRUCTION BY TEMPORARY WORKS CONTRACTOR.

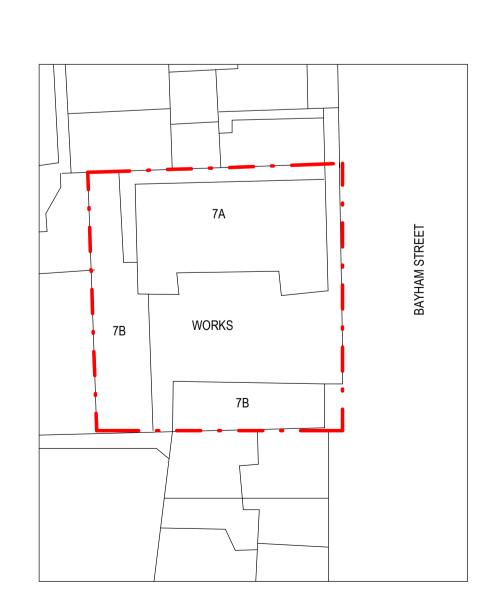


TYPICAL UNDERPIN SEQUENCE



TYPICAL DOWEL DETAIL

TYPICAL UNDERPIN SEQUENCE AND DOWEL



SITE PLAN

TENDER NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
NOTE	S:		

1. DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE USED.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEERING DRAWINGS AND DETAILS; THE SPECIFICATION FOR THE WORKS AND ALL

RELEVANT ARCHITECTS DRAWINGS AND ANY OTHER

- SPECIALIST'S DRAWINGS. 3. THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH THE SCOPE OF APPOINTMENT WITH THE CLIENT AND IS SUBJECT TO THE TERMS OF THAT APPOINTMENT AND SHOULD ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS INTENDED.
- 4. REFER TO GENERL NOTES DRAWINGS 2750-MHT-ST-XX-XX-DR-00005 & 00006
- . NO WORKS ARE TO TAKE PLACE BEFORE THE CONTRACTOR RECEIVES ALL NECESSARY APPROVALS. THIS INCLUDES RELEVANT FREEHOLDER AND PARTY WALL
- 6. C16/20 CONCRETE TO BE USED FOR MASS CONCRETE UNDERPINNIN 7. REFER TO PHASE 1 PRELIMINARY RISK ASSESSMENT AND PHASE 2 ENVIRONMENTAL AND GEOTECHNICAL SITE INVESTIGATION REPORT (JER8709) BY RPS GROUP. FOR TRIAL

AGREEMENTS, NECESSARY AIPS FROM STATUTORY AUTHORITIES AND LISTED BUILDING CONSENT.

PITS SHOWING ADJACENT PROPERTY FOUNDATIONS

KEYPLAN:

SITE BOUNDARY

OOO CONTIGUOUS PILES

SECANT PILE EXCLUSION ZONE DUE TO PROXIMITY OF ADJACENT BUILDINGS

PARTY/BOUNDARY WALLS OF ADJACENT

1 MASS CONCRETE UNDERPIN

EXTENT OF BASEMENT EXCAVATION CDM RESIDUAL CIVIL / STRUCTURAL DESIGN RISKS

- UNKNOWN EXISTING STRUCTURE OR UNKOWN DEFECTS IN EXISTING STRUCTURE GROUND CONDITIONS AND GROUNDWATER LEVELS UNKNOWN UNDERGROUND OBSTRUCTIONS AND SERVICES
- DEWATERING AND BASEMENT CONSTRUCTION TEMPORARY
- PILING AND WORKS WITHIN RESTRICTED SPACES



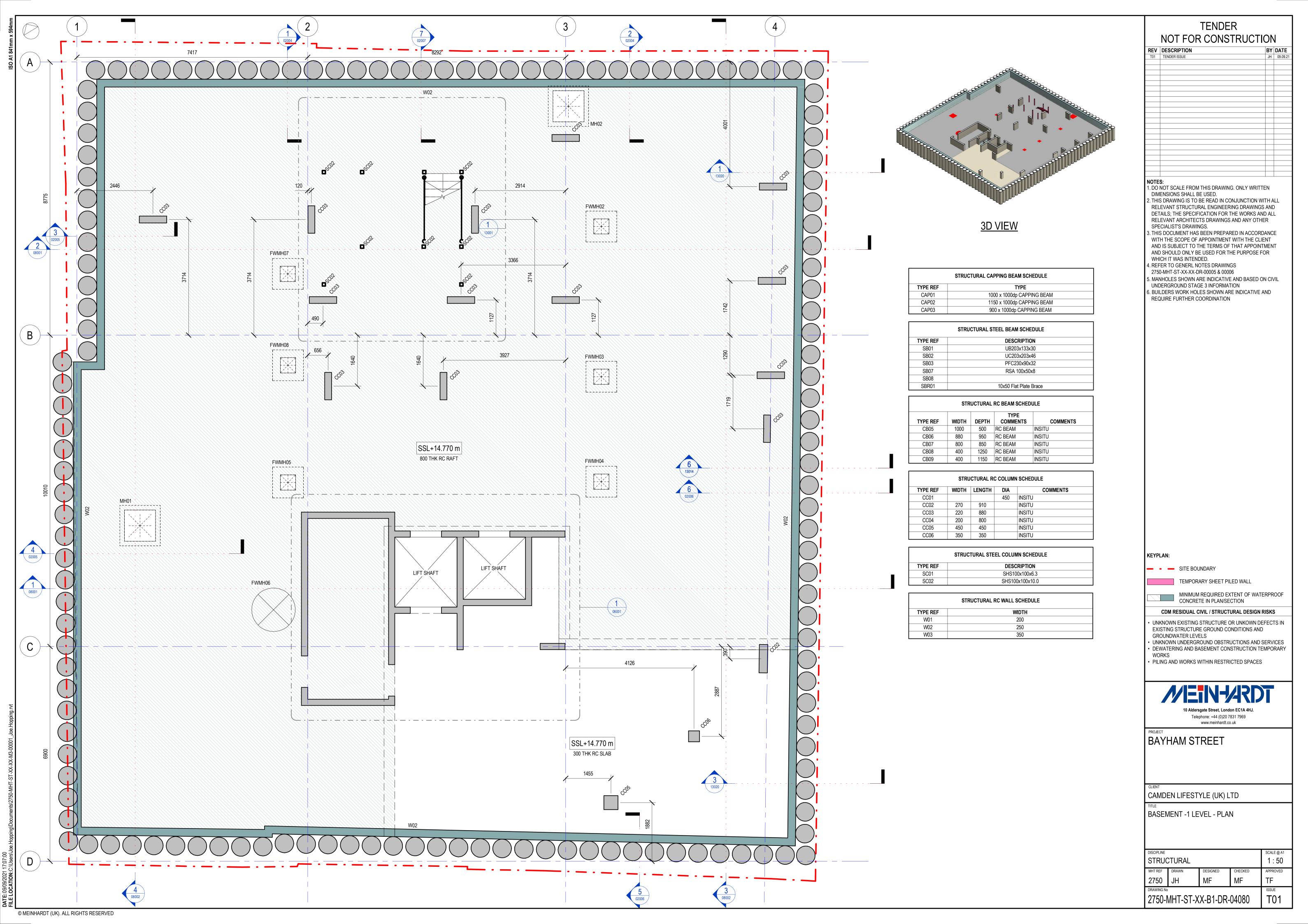
www.meinhardt.co.uk

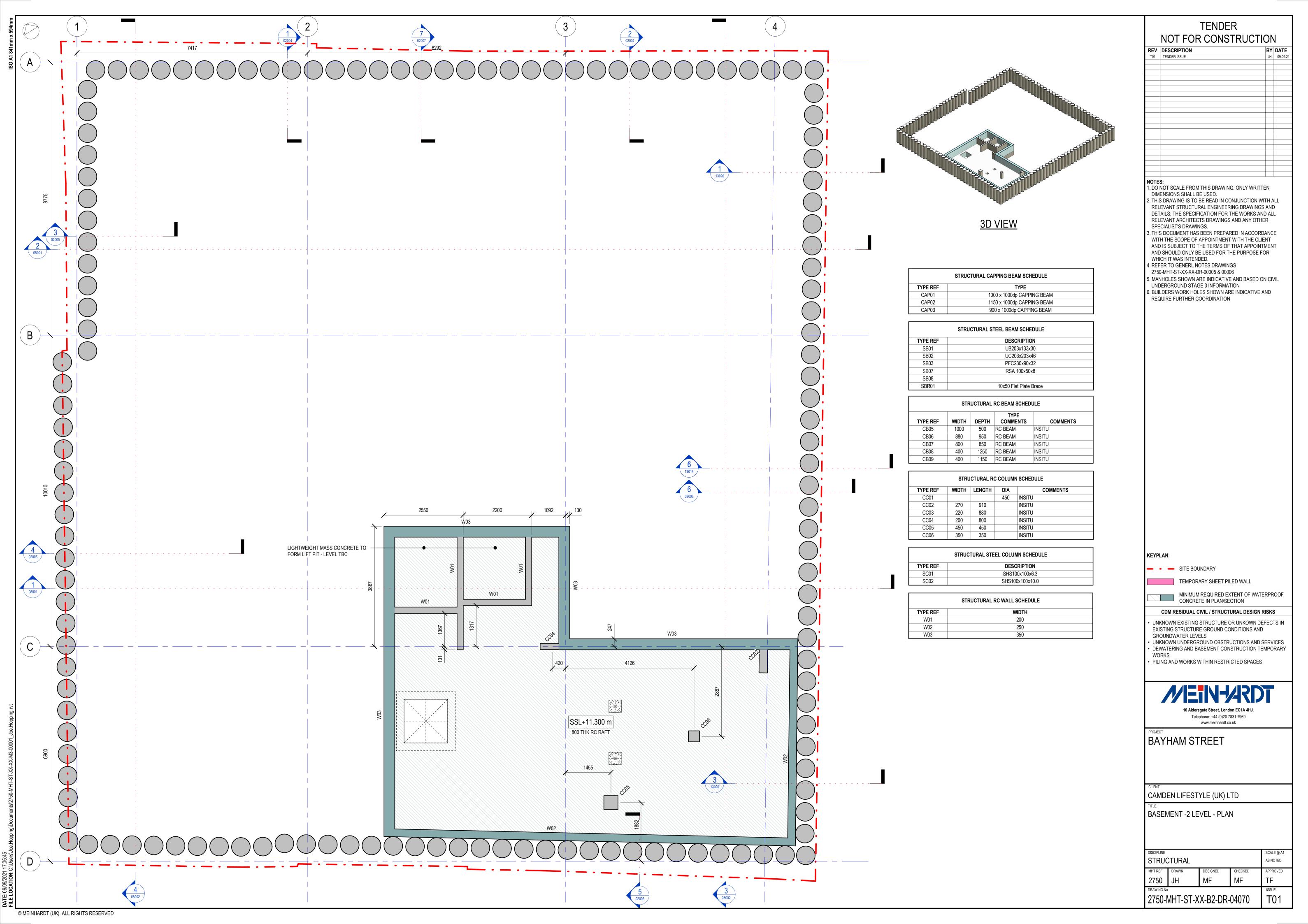
BAYHAM STREET

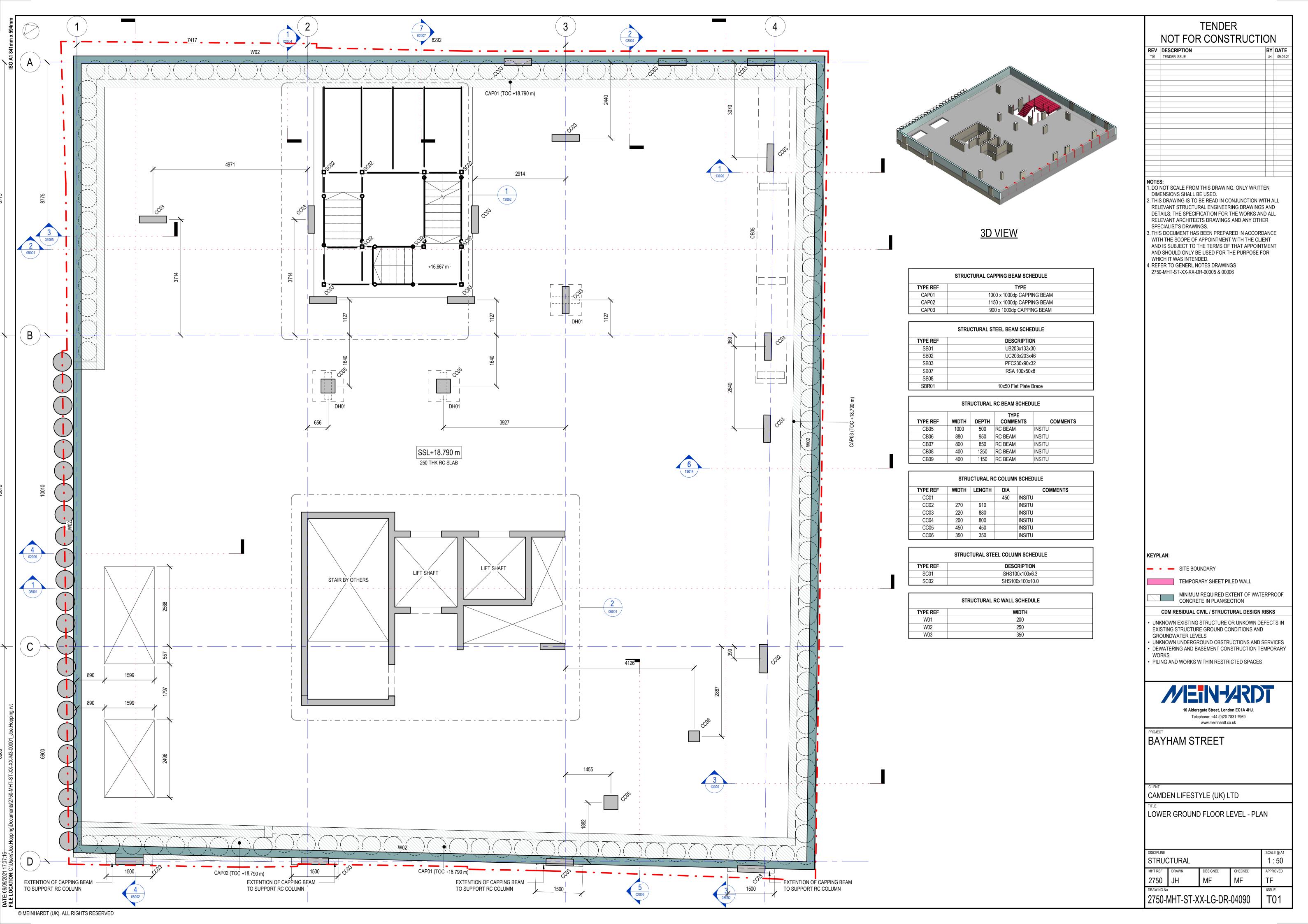
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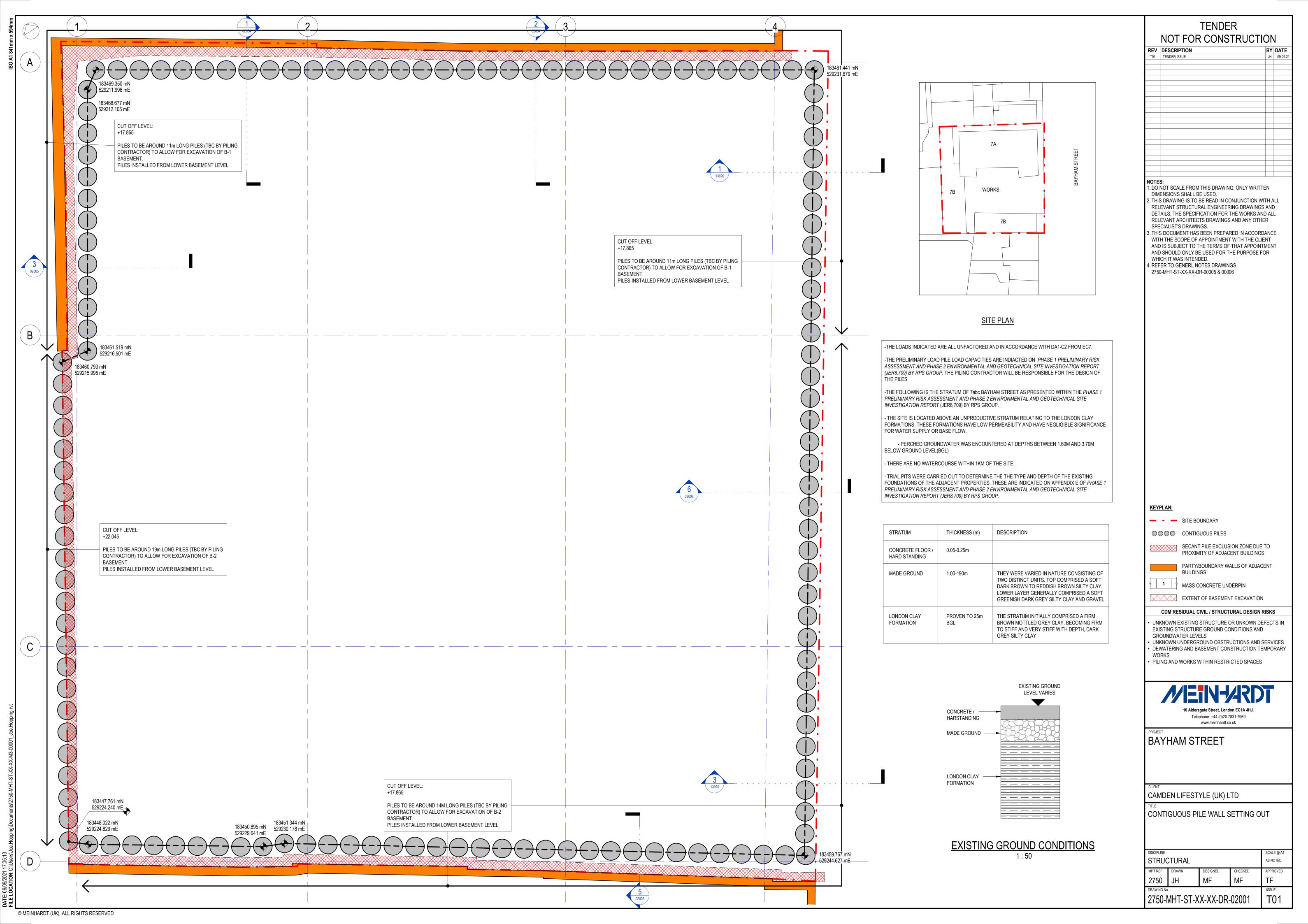
UNDERPINNING/ADJACENT BUILDINGS DRAWING

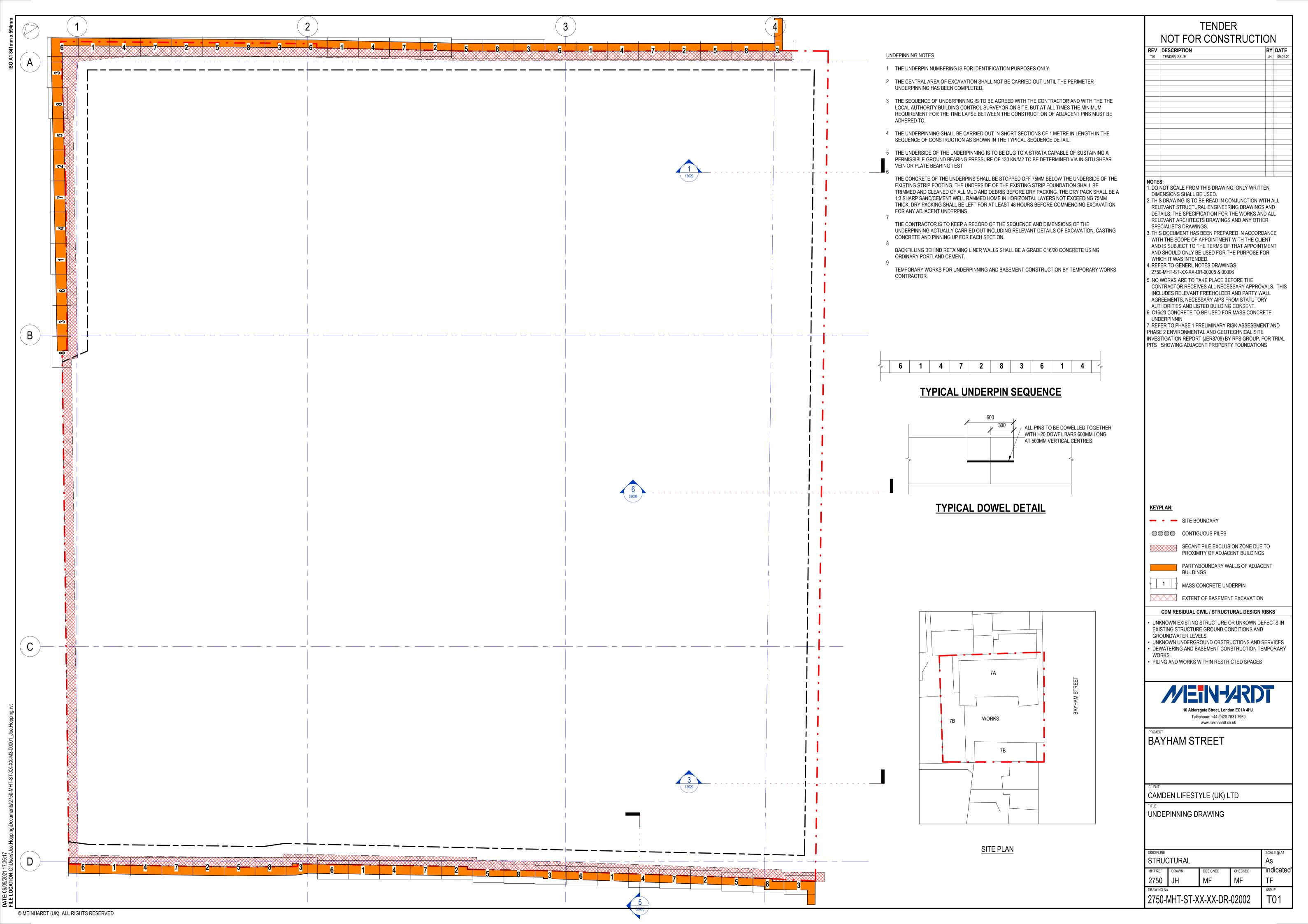
DISCIPLINE				SCALE @ A1
STRUCTURAL				As
MHT REF	DRAWN	DESIGNED	CHECKED	indicated
2750	Author	Designer	Checker	Approver
		<u> </u>		
DRAWING No		<u> </u>		ISSUE

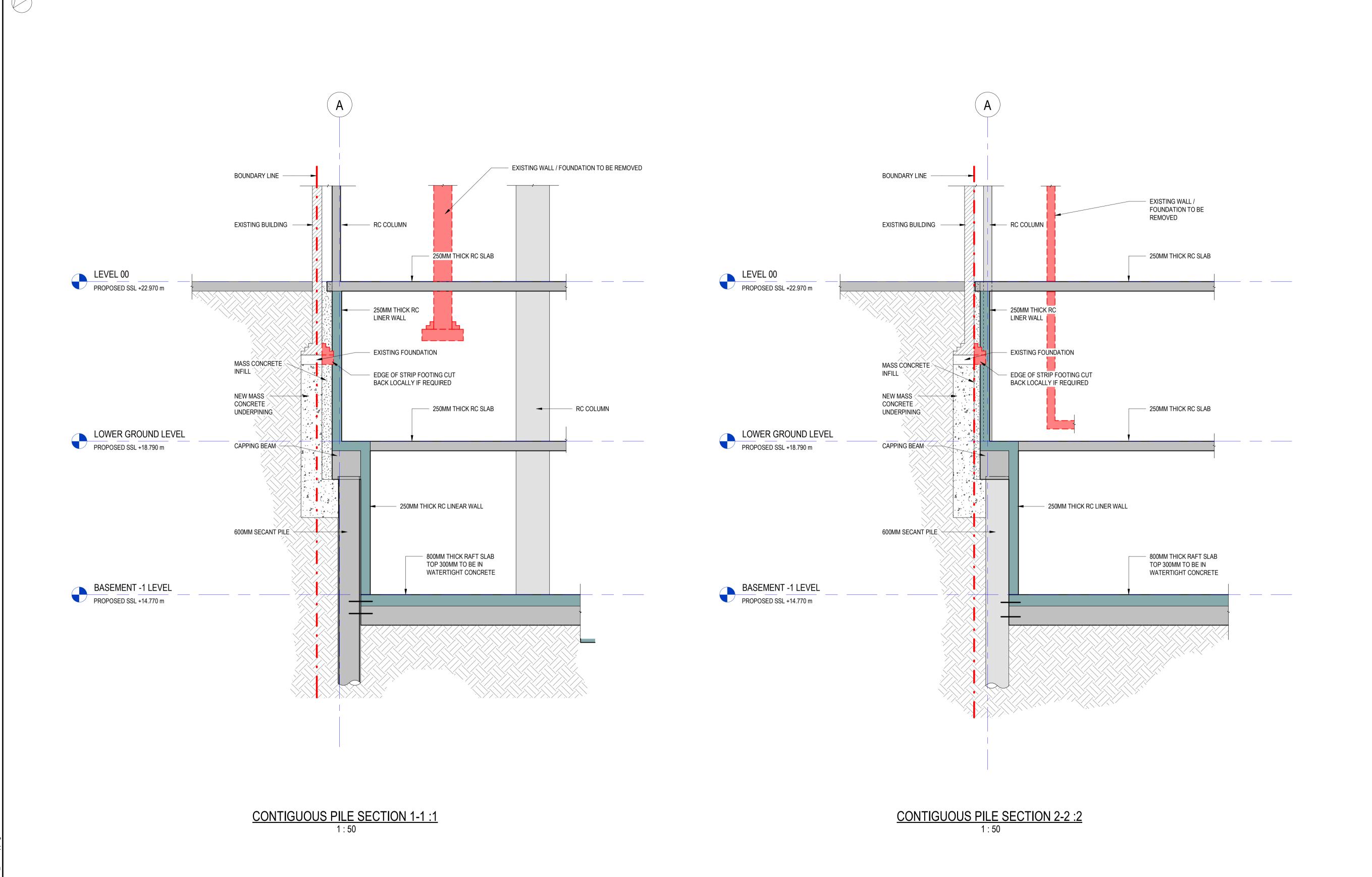












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REV DESCRIPTION T01 TENDER ISSUE

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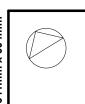


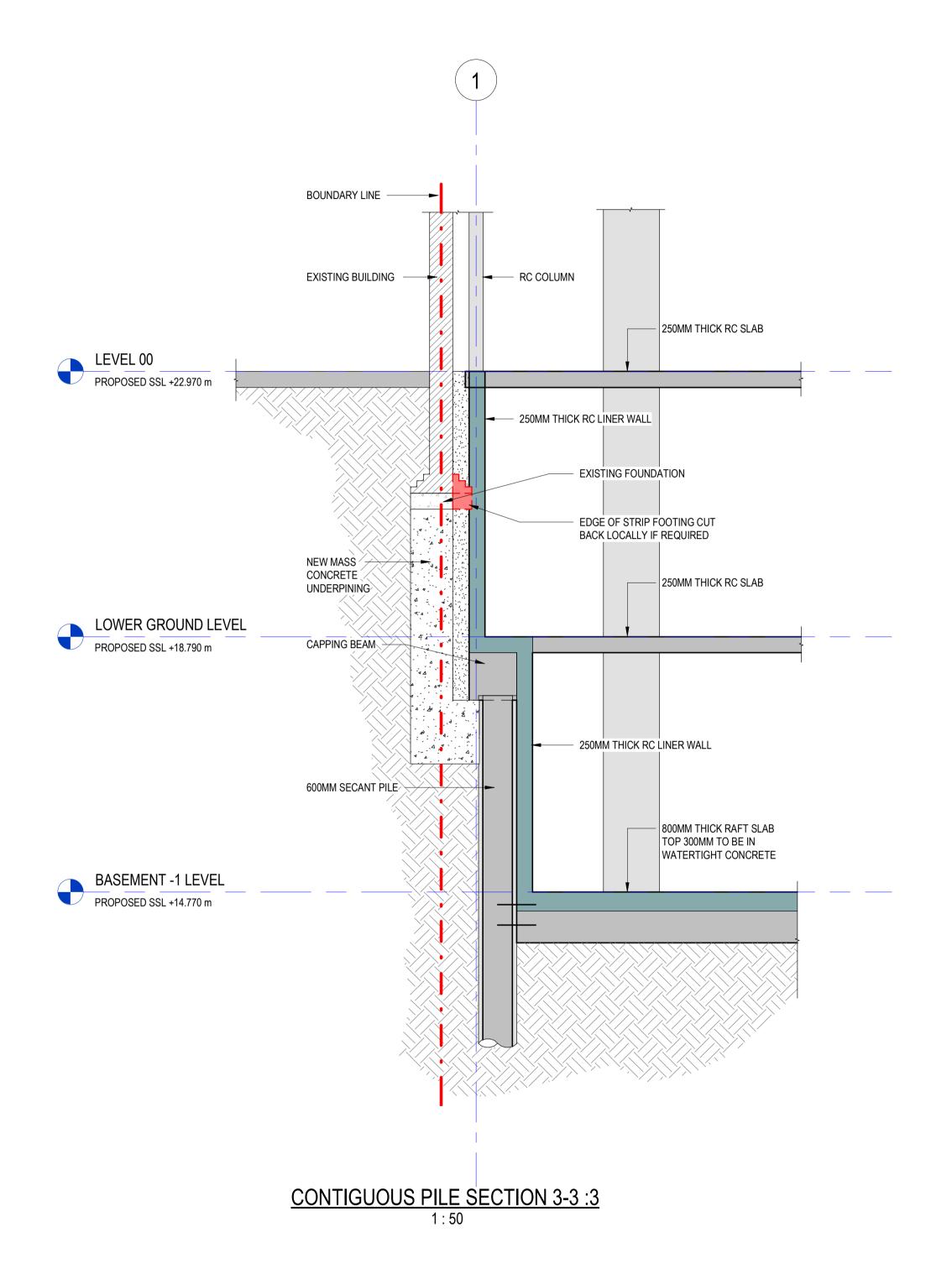
BAYHAM STREET

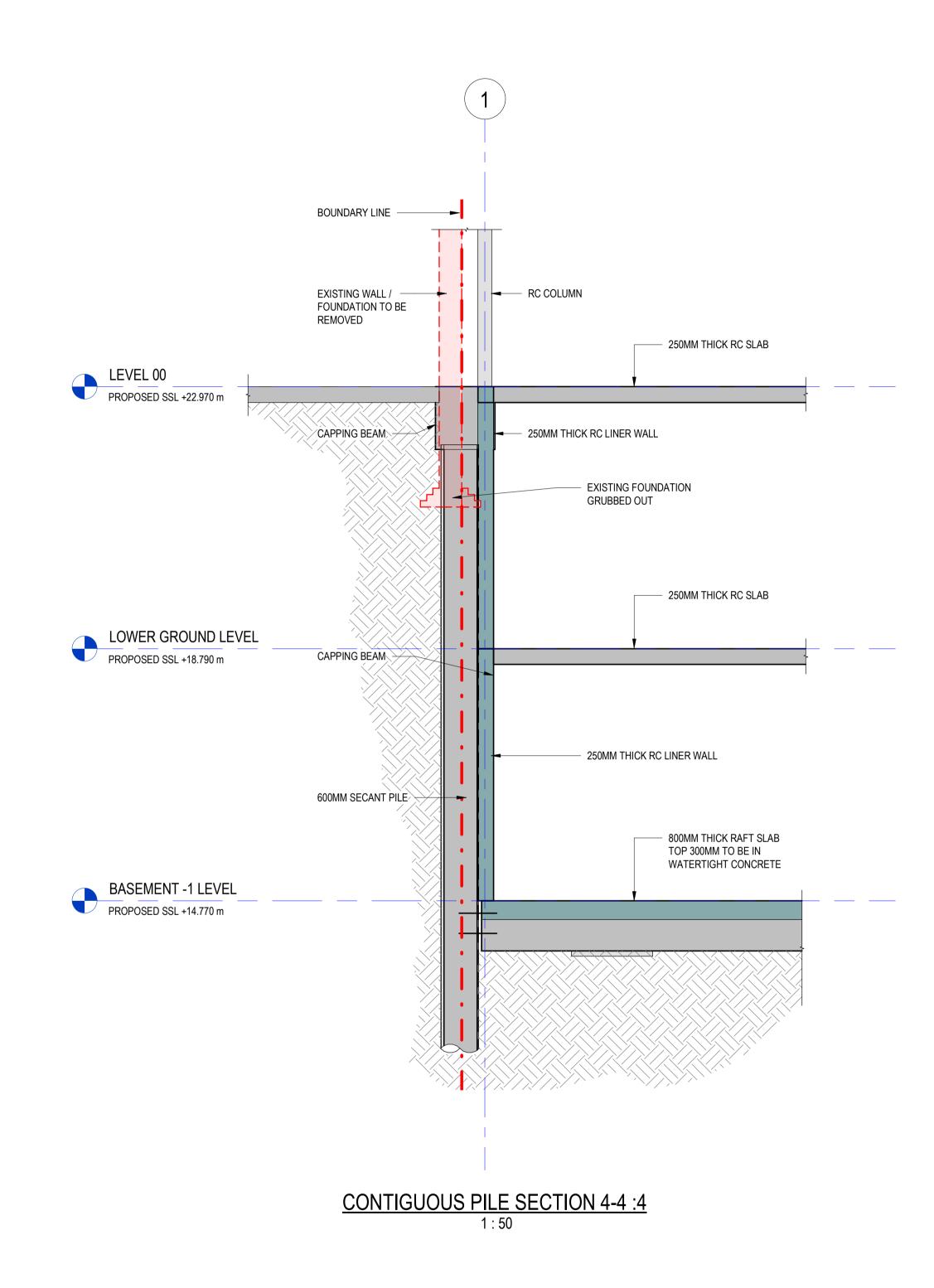
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CONTIGUOUS PILE SECTIONS - SHEET 1

DISCIPLINE				SCALE @ A1
STRUCTURAL				1 : 50
MHT REF	DRAWN	DESIGNED	CHECKED	APPROVED
2750	JH	MF	MF	TF
DRAWING No				ISSUE
2750-MHT-ST-XX-XX-DR-02004				T01







TENDER NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
T01	TENDER ISSUE	JH	09.09.2

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CONTIGUOUS PILE SECTIONS - SHEET 2

DISCIPLINE	CTURAL			SCALE @ A1 1:50
MHT REF	DRAWN	DESIGNED	CHECKED	APPROVED
2750	JH	MF	MF	TF
DRAWING No				ISSUE
2750-MHT-ST-XX-XX-DR-02005			T01	

- 250MM THK RC SLAB 250MM THICK RC SLAB ---EXISTING RC WALL PROPOSED SSL +22.970 m 250MM THK RC LINER WALL 250MM THICK RC LINEAR WALL - EXISTING RC BASEMENT WALL 250MM THICK RC SLAB ---CAPPING BEAM PROPOSED SSL +18.790 m PROPOSED SSL +18.790 m CAPPING BEAM 250MM THICK RC SLAB NEW MASS CONCRETE 250MM THICK RC LINEAR WALL UNDERPINING 250MM THICK RC LINEAR WALL 800MM THICK RAFT SLAB ----TOP 300MM TO BE IN WATERTIGHT CONCRETE - 250MM THICK RC SLAB 600MM SECANT PILE PROPOSED SSL +14.770 m PROPOSED SSL +14.770 m 600MM SECANT PILE 800MM THICK RAFT SLAB TOP 300MM TO BE IN WATERTIGHT CONCRETE PROPOSED SSL +11.300 m PROPOSED SSL +11.300 m CONTIGUOUS PILE SECTION 5-5 :5
1:50 CONTIGUOUS PILE SECTION 6-6 :6 1 : 50

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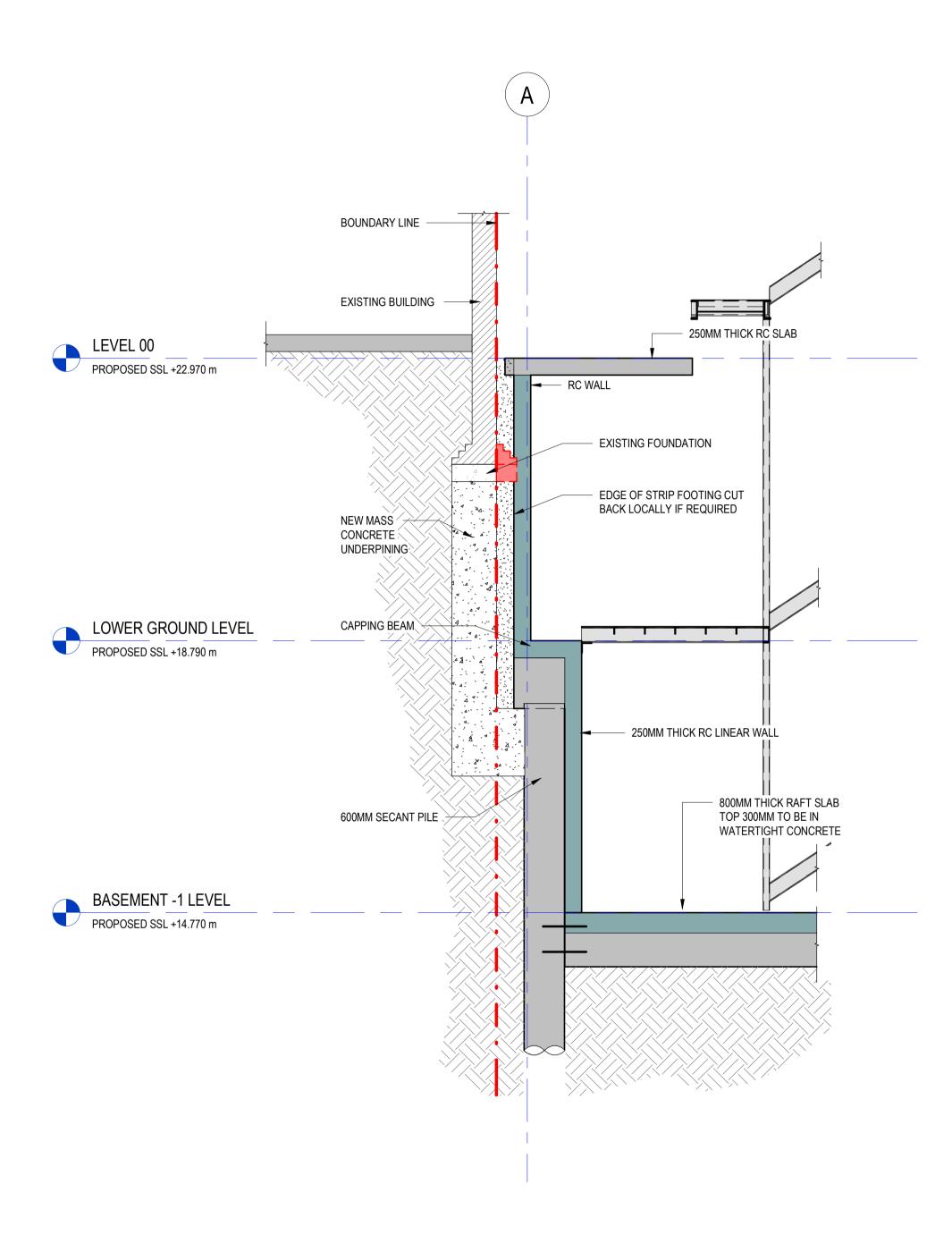
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CONTIGUOUS PILE SECTIONS - SHEET 3

STRUCTURAL MF MF 2750-MHT-ST-XX-XX-DR-02006





CONTIGUOUS SECTION 7-7:7

TENDER NOT FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
T01	TENDER ISSUE	JH	09.09.21
NOTE	S·		

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CONTIGUOUS PILE SECTIONS - SHEET 4

STRUCTURAL MF Approver

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