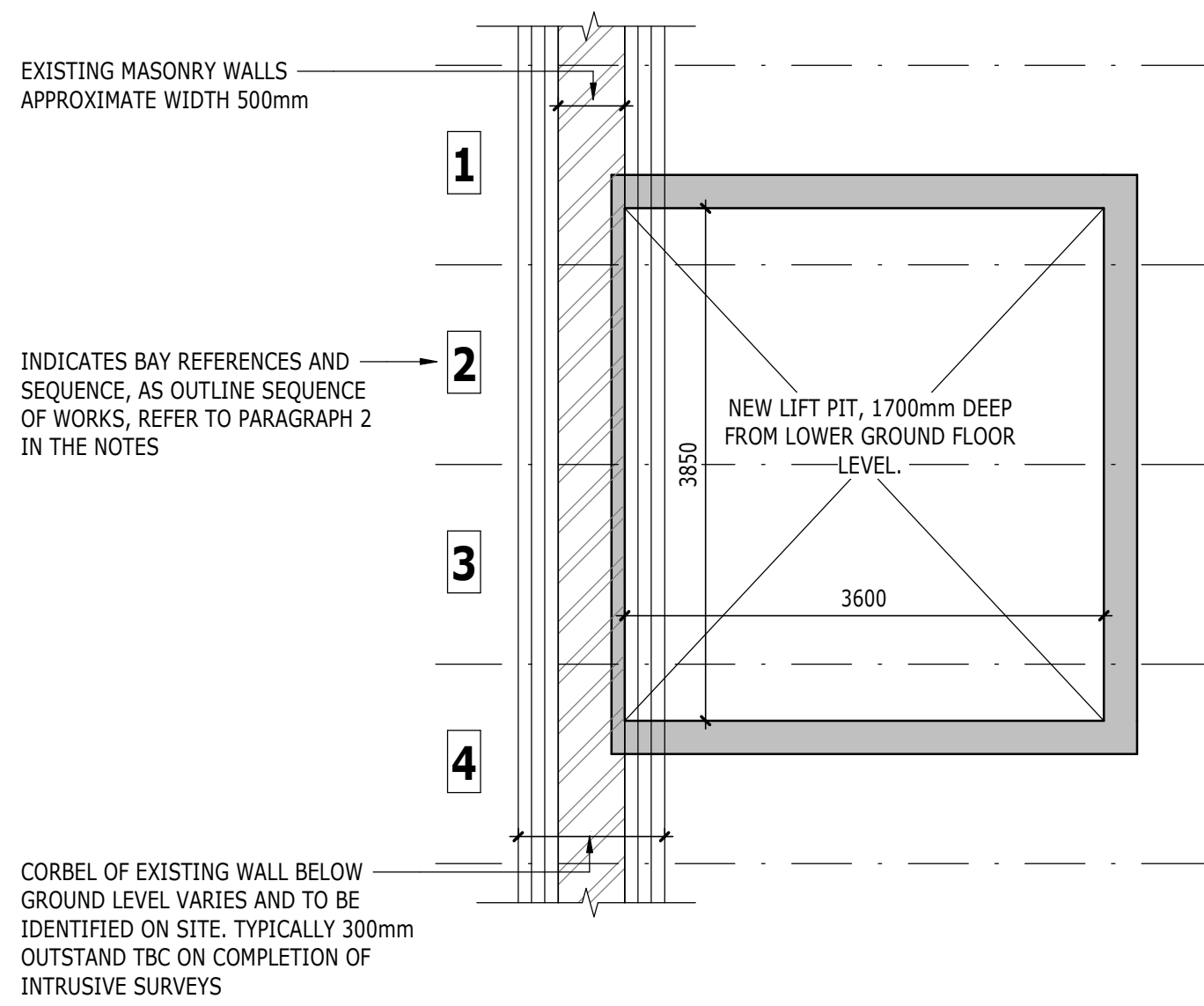
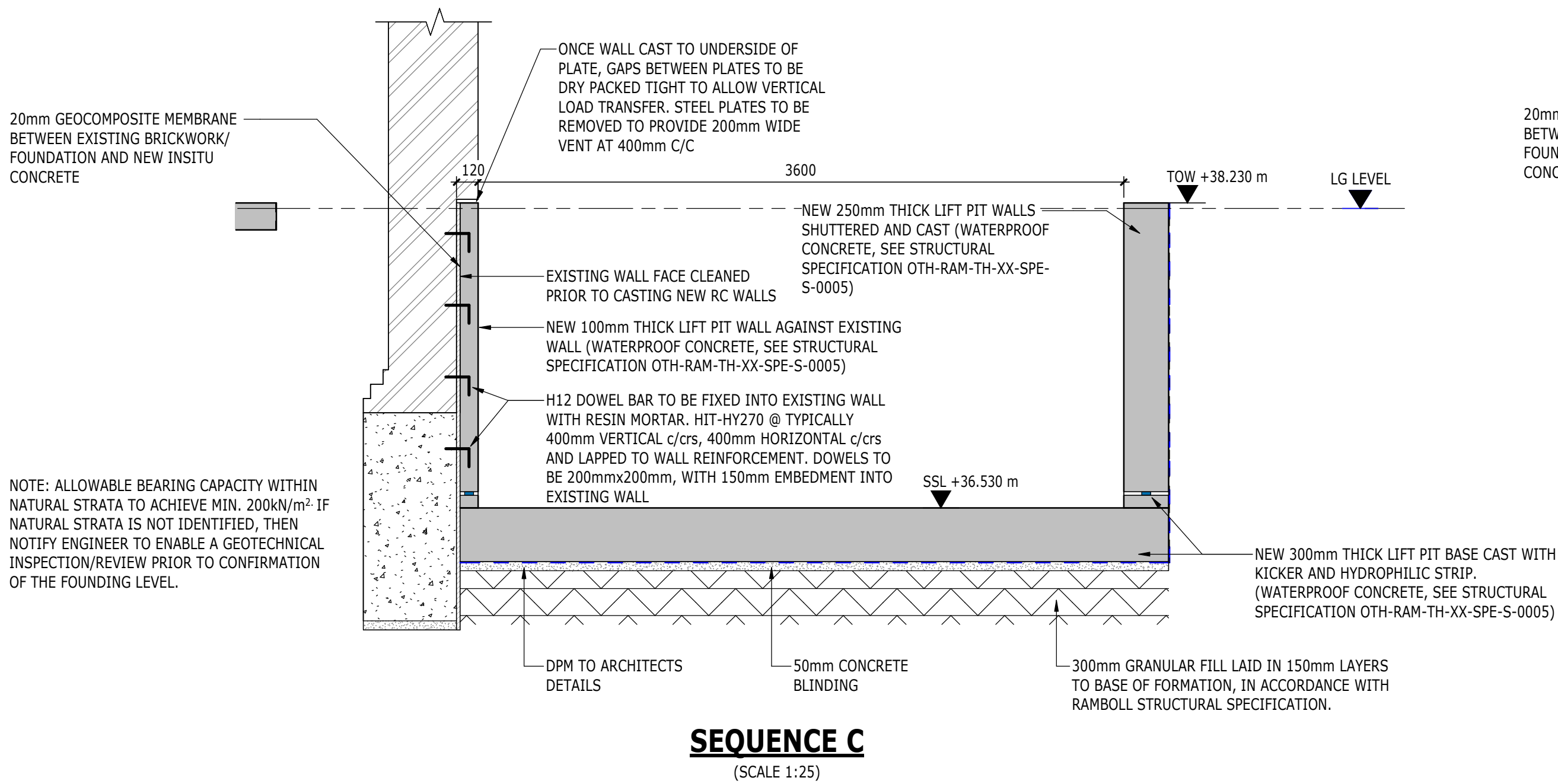
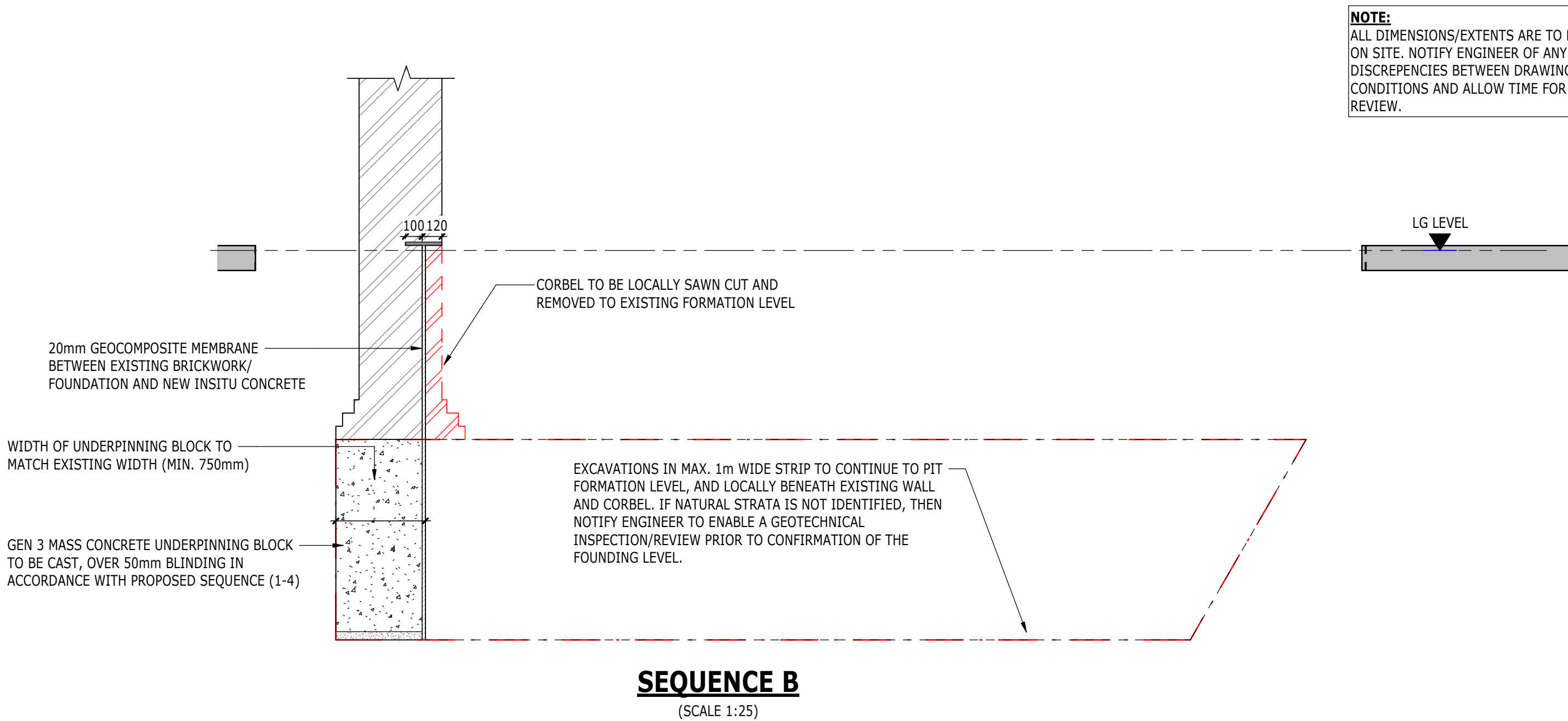
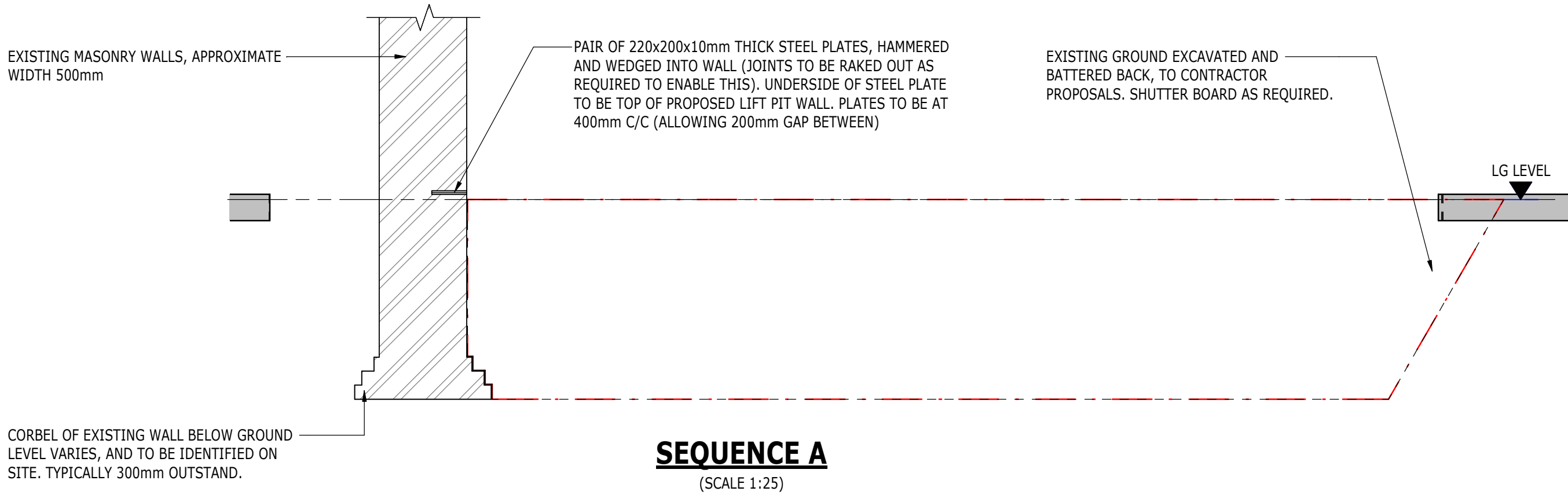
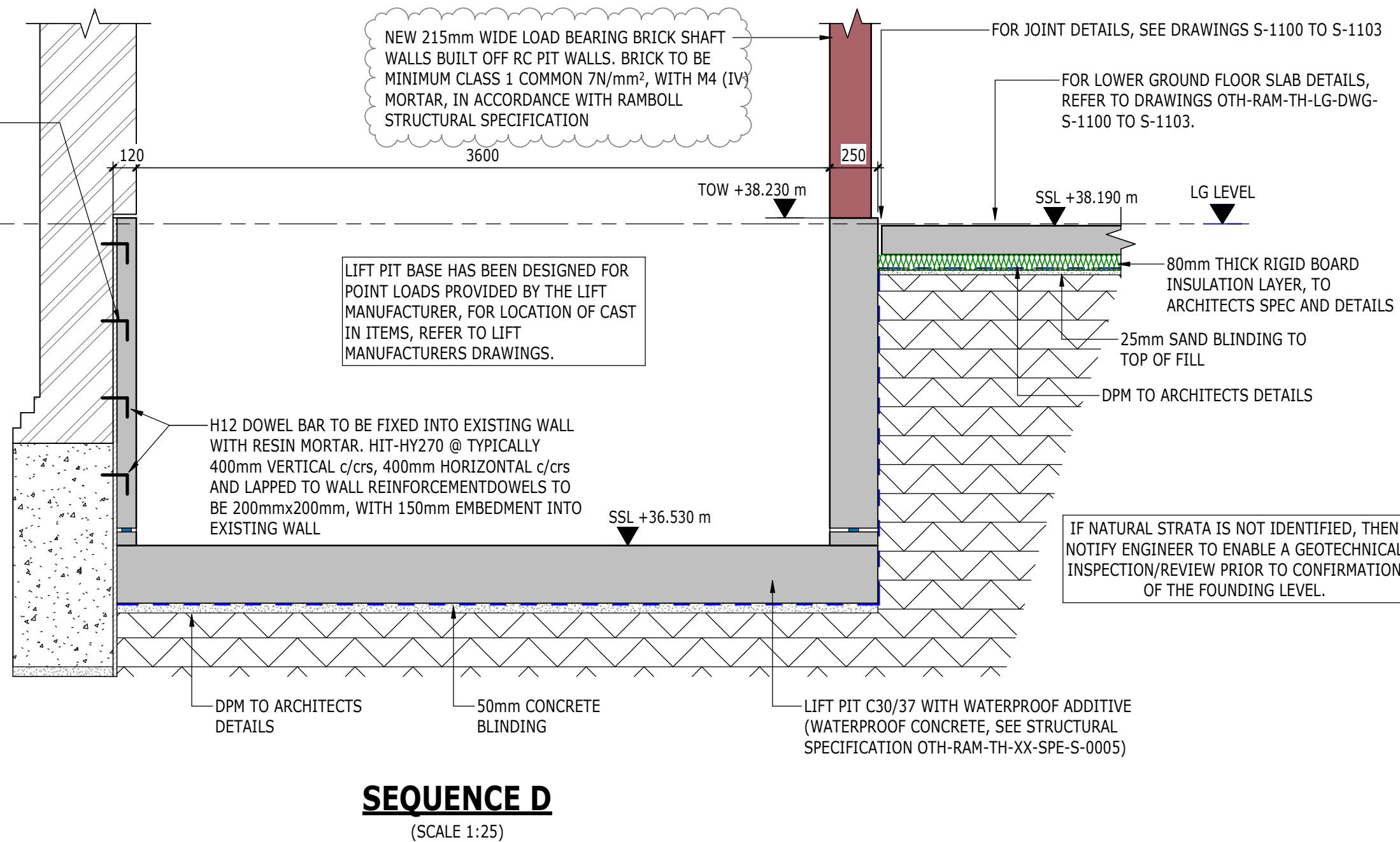




UNDERPINNING - OUTLINE SEQUENCE OF WORKS (TO BE DEVELOPED BY CONTRACTOR)

1. EXPOSE EXISTING FOOTING TO WALL TO BE UNDERPINNED AND NOTIFY THE ENGINEER.
2. EXCAVATE FOR NEW MASS CONCRETE FOOTING IN THE SEQUENCE SHOWN ON THE DRAWING (I.E. BAY 1 MUST BE COMPLETED BEFORE COMMENCEMENT OF THE ADJACENT BAYS).
3. ALL EXCAVATIONS ARE TO BE CLEAN AND FREE FROM DELETERIOUS MATERIAL AND STANDING WATER PRIOR TO PLACEMENT OF CONCRETE. NOTIFY THE ENGINEER AND ALLOW FOR INSPECTION PRIOR TO CONCRETING.
4. CAST NEW CONCRETE FOOTING BELOW UNDERSIDE OF EXISTING FOOTING. ALL CONCRETE IS TO BE THOROUGHLY VIBRATED WITH INTERNAL POKER VIBRATORS TO ENSURE COMPLETE COMPACTION OF THE CONCRETE. ALLOW A MINIMUM OF 3 DAYS BEFORE EXCAVATING FOR ADJACENT UNDERPINNING BLOCKS.
5. PINNING DOWN OF EXISTING FOUNDATIONS TO CAST UNDERPINNING BLOCKS MAY BE CARRIED OUT ADOPTING EITHER OF THE TWO METHODS OUTLINED ON THE DRAWING. OPTION 1 ADOPTS THE TRADITIONAL METHOD OF PROVIDING A SEMI-DRY CONCRETE MIX FULLY PACKED UNDER THE EXISTING FOUNDATION. ALTERNATIVELY THE DRY PACK ZONE (NOMINALLY 75mm HIGH) MAY BE SURCHARGE POURED WITH A PROPRIETARY NON-SHRINK GROUT (EG. SBD 5 STAR). OPTION 2 ADOPTS THE SURCHARGE POURING APPROACH AND MAY ONLY BE USED IF THE CONDITIONS ATTACHED TO THIS METHOD CAN BE FULLY SATISFIED.
6. ALL FACES OF PREVIOUSLY CAST CONCRETE ARE TO BE CLEANED AND WETTED PRIOR TO CASTING FURTHER CONCRETE ADJACENT TO THEM.
7. WHERE THE EXISTING FOUNDATION STONES ARE ONLY NOMINALLY BONDED INTO THE WALL OR ARE LIKELY TO FALL INTO THE EXCAVATION THE USE OF SACRIFICIAL ACRO-PROPS MAY BE ADOPTED TO HOLD THE LOOSE FOUNDATIONS IN PLACE DURING EXCAVATION AND CASTING OF THE BLOCKS
8. A SHEAR KEY SHOULD BE PROVIDED BETWEEN INDIVIDUAL UNDERPINNING BLOCKS. THESE SHOULD TAKE THE FORM OF TWO SECTIONS OF 75x100 TIMBERS CAST INTO THE CONCRETE. BEFORE CASTING ADJACENT BLOCKS THESE SHOULD BE REMOVED.



Scale Bars to be used as guidance only - refer to sheet size below

1:100	mm	1000	1000	2000	3000	4000	5000	6000	7000	8000
1:200	mm	1000	1000	2000	3000	4000	5000	6000	7000	8000
1:500	m	10	15	20	25	30	35	40	45	50
1:1250	m	10	10	10	10	10	10	10	10	10

NOTES

1. FOR GENERAL NOTES, SEE DRAWING S-00010
2. FOR STEEL AND PADSTONE REFERENCES, SEE SCHEDULES ON DRAWINGS S-00015/S-00016
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS AND M&E ENGINEERS DRAWINGS
4. DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATION
5. ALL LEVELS AND SETTING OUT TO BE CONFIRMED BY ARCHITECT
6. ALL REINFORCED CONCRETE TO BE C30/37 UNO.
7. ALL CONCRETE BLINDING TO BE GEN 1 AND BULK MASS FILL TO BE GEN 3 UNO
8. ALL REINFORCEMENT TO BE GRADE 500 TO BS4449
9. STEELWORK:
INTERNAL: GENERAL SECTIONS AND PLATES S275JR, HOLLOW SECTIONS S355JRH
EXTERNAL: GENERAL SECTIONS AND PLATES S275JO, HOLLOW SECTIONS S355JOH
ALL EXTERNAL STEELWORK TO BE GALVANISED. ALL INTERNAL STEELWORK TO BE PAINTED, AND SUITABLE FOR ENVIRONMENT CATEGORY C2, UNO (SEE STRUCTURAL SPECIFICATION)
10. REFER TO RAMBOLL BWIC SCHEDULE OTH-RAM-TH-ZZ-SCH-S-1000 & S-1001 FOR WHERE BWIC ARE APPLIED.
11. FOR MASONRY NOTES, SEE DRAWING S-0010
12. FOR NEW LINTEL DETAILS, REFER TO LINTEL SCHEDULE OTH-RAM-TH-ZZ-SCH-S-1000 & 1001

KEY

- ← DENOTES EXTENT OF NEW SLAB. REFER TO DRAWING OTH-RAM-TH-XX-DWG-S-5002 FOR NEW SLAB CONSTRUCTION DETAILS
- DENOTES EXISTING DENNET SLAB ABOVE TO BE RETAINED, AND ASSUMED SPAN DIRECTION. DASHED LINE INDICATES APPROXIMATE LOCATION OF EXISTING BEAMS BASED UPON ARCHIVE INFORMATION, VISUAL & INTRUSIVE INVESTIGATIONS.
- NOTE:** BOTH TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION
- DENOTES AREA OF DEMOLITION
- DENOTES LOCATION OF PADSTONE. REFER TO DRAWING S-0015 FOR SIZES, UNLESS NOTED OTHERWISE. FOR PADSTONE DETAILS SEE DRAWING S-5001
- DENOTES NEW LIFT SHAFT WALLS. REFER TO SECTION DRAWINGS FOR LINTEL REQUIREMENTS
- DENOTES CUT / DEMOLISHED LINE AND EXTENT OF TEMPORARY PROPPING. ALL PROPPING FORCES FOR MIN 15kN/m (SLS) AT SLAB EDGES UNO ON GA DRAWINGS
- EB** DENOTES EXISTING BEAMS WITHIN FLOOR CONSTRUCTION. WHERE BEAMS ARE TO BE CUT / PARTIALLY REMOVED, CONTRACTOR TO REVIEW TEMPORARY PROPPING PROPOSALS. ALL PROPPING FORCES FOR MIN 50kN (SLS) AT BEAM LOCATIONS UNO ON GA DRAWINGS

C03	29/01/ 2021	PM	JP	CONSTRUCTION ISSUE
C02	06/11/ 2020	PM	JP	CONSTRUCTION UPDATE FOR INTERNAL SUBSTRUCTURE PACKAGE ONLY
C01	05/06/ 2020	PM	JP	CONSTRUCTION ISSUE FOR INTERNAL SUBSTRUCTURE PACKAGE ONLY
ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION

 **OUR TOWN HALL PROJECT**

RAMBOLL

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PROJECT STATUS	STAGE 5
CLIENT	MANCHESTER CITY COUNCIL
PROJECT	OUR TOWN HALL PROJECT
DRAWING TITLE	GOODS LIFT SHEET 3
SIZE & SCALE	A1: VARIES
DRAWING STATUS	S4 - CONSTRUCTION
JOB NUMBER	1620003165
DRAWING NO.	REV
OTH-RAM-TH-ZZ-DWG-S-4032 C03	