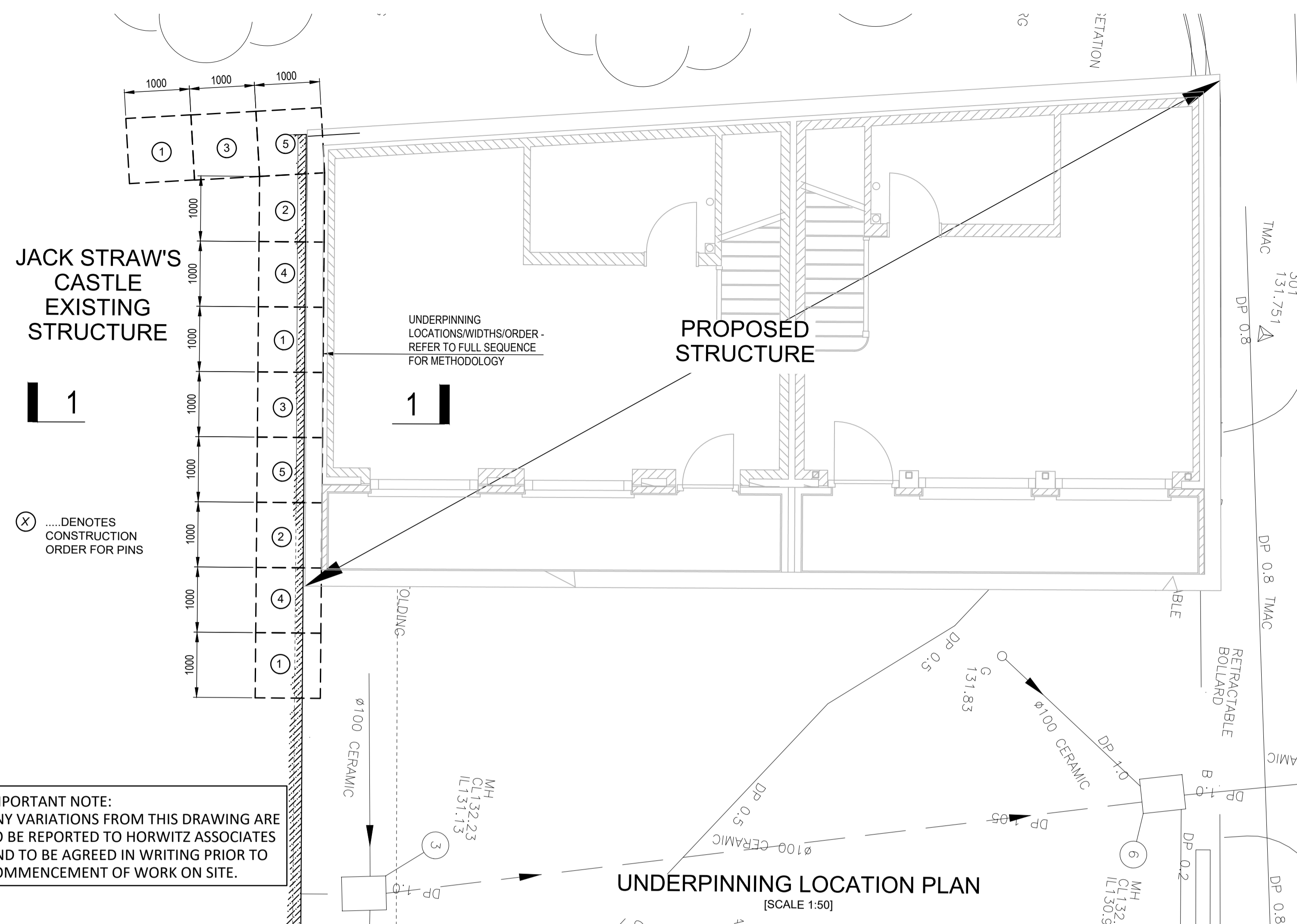


GENERAL NOTES:-

1. FOR GENERAL NOTES REFER TO DRAWING 8149\_GEN-01.

- ALL EXISTING DRAINAGE & SERVICES SUCH AS TELECOMS CABLES WILL NEED TO BE DIVERTED & NOT LIVE PRIOR TO ANY WORKS UNDERTAKEN ON SITE
- IT IS THE PRINCIPLE CONTRACTORS RESPONSIBILITY TO ENSURE THE STABILITY OF THE EXISTING STRUCTURE DURING THE UNDERPINNING OPERATION & IS TO PROVIDE ALL NECESSARY SHORE/PROPS THEY CONSIDERS NECESSARY TO ENSURE & SAFEGUARD THAT STABILITY.
- UNDERPINNING TO COMPETENT SPECIALISTS.
- ALL LEVELS & EXISTING SITE CONDITIONS ARE INTERPOLATED FROM INFORMATION PROVIDED BY ARCHITECT, SURVEY DRAWING & EXISTING 'AS BUILT' SECTIONS DATED 1962. ANY DISCREPANCIES/ VARIATIONS ON SITE MUST BE REPORTED IMMEDIATELY TO HORWITZ CONSIDERATION.
- DURING UNDERPINNING/PILING THE EXISTING BUILDING MUST BE MONITORED CAREFULLY FOR SIGNS OF DAMAGE/SUBSIDENCE ETC. SHOULD THIS OCCUR HORWITZ TO BE INFORMED IMMEDIATELY & ALL WORKS CEASED. (SEE DRAWING NO. 8149-SW-01 AND 02).
- LOCATION OF PROPOSED BUILDING SETTING OUT TO ARCHITECTS DETAILS.
- SHOULD ANY PRE EXISTING DAMAGE BECOME APPARENT TO THE EXISTING BUILDING THE STRUCTURAL ENGINEER IS TO BE INFORMED IMMEDIATELY.
- REFER TO HORWITZ ASSOCIATES UNDERPINNING METHOD STATEMENT FOR FURTHER INFORMATION.



IMPORTANT NOTE:  
ANY VARIATIONS FROM THIS DRAWING ARE TO BE REPORTED TO HORWITZ ASSOCIATES AND TO BE AGREED IN WRITING PRIOR TO COMMENCEMENT OF WORK ON SITE.

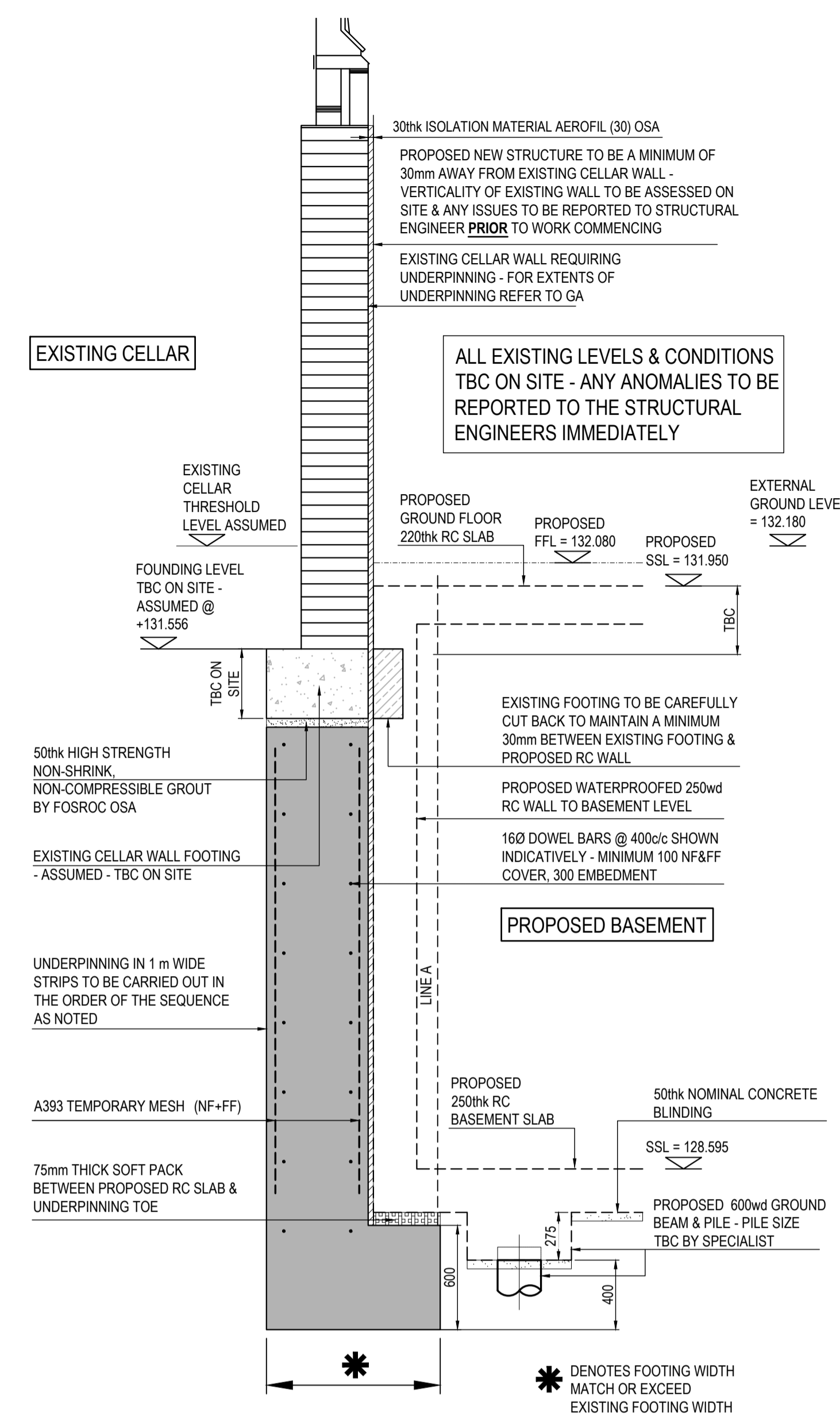
**UNDERPINNING SEQUENCE:-**

**MONITOR EXISTING STRUCTURE CAREFULLY THROUGHOUT & SHOULD ANY CHANGE IN EXISTING SUCH AS CRACKING OCCUR CEASE WORK ON SITE IMMEDIATELY & INFORM STRUCTURAL ENGINEER**

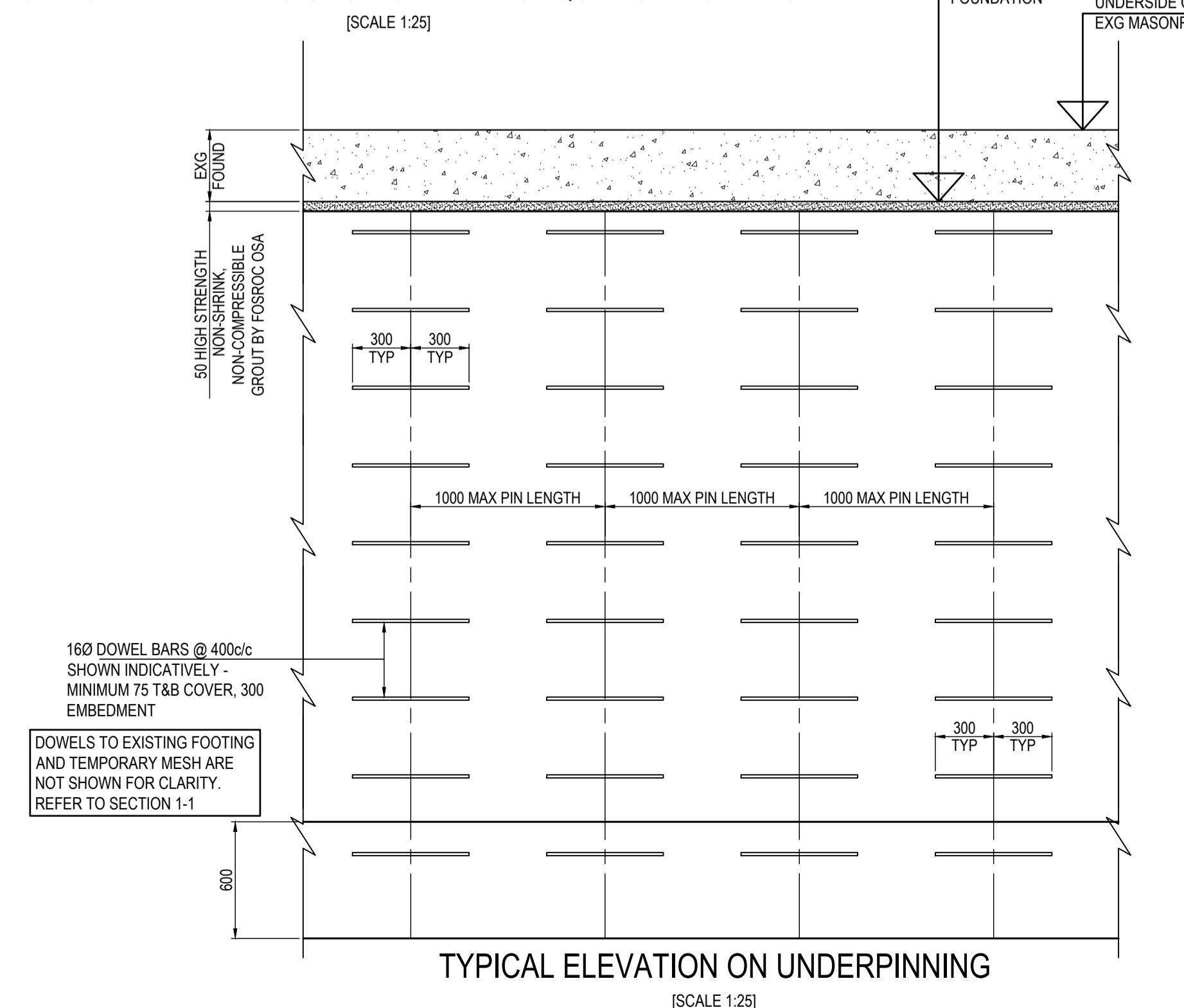
UNDERPINNING SHOULD TAKE PLACE IN THE FOLLOWING SEQUENCE (REFER TO PLAN TO SEE CONSTRUCTION PIN NUMBERING ORDER) & NO TWO ADJACENT PINS SHOULD EVER BE EXPOSED AT ONE TIME:

1. UNDERPINNING SECTION TO BE A MAXIMUM 1m LONG OR LESS IF REQUIRED TO SUIT THE CONDITION & NATURE OF EXISTING BRICKWORK/MASONRY.
2. CAREFULLY EXPOSE EXISTING WALL BASE/FOUNDING LEVEL FOR FOOTING.
3. VISUALLY INSPECT FOR DAMAGE OF EXISTING STRUCTURE & REPORT TO HORWITZ IF ENCOUNTERED.
4. INSTALL TEMPORARY PROPPING MEASURES IF REQUIRED DUE TO THE INTEGRITY OF EXISTING STRUCTURE- REFER TO SPECIALIST FOR DETAILS OF PROPOSED PROPPING.
5. WITH PROPPING IN PLACE IF NECESSARY CAREFULLY EXCAVATE FOR UNDERPIN USING TRENCH BOX.
6. MAIN CONTRACTOR TO SUPPLY/DESIGN TEMPORARY RETAINING STRUCTURE/SHUTTERING
7. WHEN EXCAVATION IS COMPLETE FOR THE PIN, THOROUGHLY CLEAN OFF THE UNDERSIDE OF THE EXISTING FOOTING, REMOVING ANY LOOSE MATERIAL, & LEAVE A FAIR, WELL SCRABBLED SURFACE. RESIN ANCHORS 4 NO. H25 200 MIN PENETRATION. INSTALL, A393 TEMPORARY MESH.
8. CAST PIN AS SOON AS POSSIBLE TO AVOID UNNECESSARY DAMAGE TO EXISTING STRUCTURE DUE TO EXPOSURE.
9. UNDERPINNING FOUNDING LEVEL FOR TOE TO BE A MINIMUM 600thk & A TOTAL OF 400 BELOW FORMATION.
10. PIN FOOTING SHOULD BE FOUNDED TO EXTEND PASSED THE VERTICAL LOCATION OF THE EXISTING FOOTING/CORBEL ('LINE A' ON SECTION).
11. PIN MUST BE FOUNDED INTO VIRGIN UNDISTURBED SOIL WITH SUFFICIENT BEARING CAPACITY.
12. PIN SHOULD BE A MINIMUM GRADE C25. EACH PIN TO BE DOWELED TO ITS NEIGHBORING PIN/S USING A MINIMUM 16Ø DOWELS @ 400c/c WITH 50 TOP, BOTTOM & SIDE COVER & A MINIMUM 300 EMBEDMENT, STAGGERED.
13. AFTER A MINIMUM OF 48hrs DRY PACK BETWEEN NEW/EXISTING HORIZONTAL FACES WITH 50thk NON SHRINK, HIGH STRENGTH GROUT BY FOSROC OSA. ENSURE DRY PACK IS WELL RAMMED & COMPACTED INTO PLACE.
14. CAREFULLY CUT BACK /REMOVE THE SECTION OF THE EXISTING FOOTING/CORBEL LEAVING MIN 30mm TOLERANCE BETWEEN LOCATION OF PROPOSED 250thk RC WALL & EXISTING FOOTING.
17. REMOVE TEMPORARY PROPPING GRADUALLY AFTER DAY 4 (1st DAY EXCAVATE/2nd DAY POUR/3rd DRY PACK/4th DAY LOAD REINTRODUCED).
18. ONCE THE UNDERPINNING PHASE FOR A SINGLE PIN IS CONCLUDED, IMMEDIATELY BACKFILL AND COMPACT GRANULAR MATERIAL 225mm MAX THICKNESS AS NECESSARY PRIOR COMMENCE ANY OTHER EXCAVATION.
19. MAKE GOOD ANY/ALL REPAIRS.
20. A 75mm THICK SOFT PACK WILL BE INSTALLED BETWEEN UNDERPINNING TOE & PROPOSED BASEMENT SLAB WHEN WORK IS READY TO COMMENCE SO NEW STRUCTURE CANNOT LOAD UNDERPINNING.

**STAGE 1 SEE DRAWING No. 8149-SW-01 Rev PL01**



SECTION 1-1  
TYPICAL UNDERPINNING SECTION WITH SEQUENCE NOTATION



TYPICAL ELEVATION ON UNDERPINNING  
[SCALE 1:25]

PL5	SECTION 1 - 1 & NOTES CHANGED	28.04.2023
PL4	FOR PLANNING	28.03.2023
PL3	ELEVATION ON UNDERPINNING ADDED. MINOR ALTERATIONS	10.02.2023
PL2	ISSUED FOR PLANNING	21.10.2021
T6	GENERAL NOTES REVISED.	20.12.2021
T5	UNDERPINNING SCHEME CHANGED	29.11.2021
T4	SCHEME REVISED	26.11.2021
T3	SCHEME REVISED TO ORIGINAL STACKERS, UNDERPINNING TO CASTLE REVISED.	12.11.2021
T2	TENDER ISSUE, BASEMENT WALL THICKNESS REVISED FROM 300mm TO 250mm.	04.11.2021
T1	TENDER ISSUE	03.11.2021
P1	PRELIMINARY ISSUE	22/10/21.
Rev.	Description.	Date.

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JACK STRAWS CASTLE  
CAR PARK DEVELOPMENT

UNDERPINNING DETAILS ALONG EXISTING WALL  
AT BASEMENT LOCATION

Scale	AS NOTED	Date	OCTOBER 2021
Engineer	R.R	Drawn	A.J. Checked R.R
Client		DRG No.	REV.

ALBANY HOMES LTD      8149-F-02      PL5