

FOR SETOUT DIMENSIONS REFER TO
ARCHITECTURAL DRAWINGS.



GEOTECHNICAL ENGINEER TO CONFIRM THE SAFE BEARING CAPACITY OF THE FOUNDING MATERIAL PRIOR TO CONSTRUCTION.

- RLs ARE APPROXIMATE AND AS PER ARCHITECTURAL DRAWINGS.
- REFER TO SURVEY FOR SITE EXISTING CONDITIONS.

1. IF GROUND CONDITIONS CHANGE DURING EXCAVATION, PLEASE NOTIFY ENGINEER, AND SEEK FURTHER INSTRUCTIONS.
2. BUILDER TO ENSURE THE EXCESS WATER FROM SEEPAGE AND LARGE LOOSE DEBRIS IS REMOVED FROM THE EXCAVATION TO THE FACE/EDGE OF CONCRETE
3. IF PILE HOLES ARE FLOODED AND CANNOT BE PUMPED, TREMIE PILES ARE TO BE USED TO POUR PILES.
4. UNDERSIDE OF PILES TO BE MIN 200mm ABOVE THE TOP OF NEIGHBOURING BUILDING FOUNDATION. ABOVE IS NOT POSSIBLE DUE TO THE ARCHITECTURAL RESTRICTION UNDERPINNING AND LOCALIZED STABILIZATION MUST BE REQUIRED PENDING THE SITE CONDITION. SSA TO BE NOTIFIED.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PROPER EXCAVATION PRECAUTIONS ARE IMPLEMENTED TO PREVENT OVER-EXCAVATION
6. OVER-EXCAVATION COULD RESULT IN UNACCEPTABLE DEFLECTION OF THE WALL AND AFFECT THE OVERALL STABILITY AND INTEGRITY OF THE STRUCTURE.
7. UNDERSIDE OF CAPPING BEAM TO BE MIN 200MM ABOVE THE TOP OF NEIGHBOURING BUILDING/STRUCTURE FOOTING. IF THE ABOVE IS NOT POSSIBLE DUE TO THE ARCHITECTURAL RESTRICTION UNDERPINNING, AND LOCALIZED STABILIZATION WILL BE REQUIRED PENDING THE SITE CONDITION.
8. B.E.L. DENOTES BULK EXCAVATION LEVEL. B.E.L. IS TO BE CHECKED WITH THE LATEST CIVIL AND ARCHITECTURAL DRAWINGS & TO BE CONFIRMED BY BUILDER.
9. ALL EXCAVATION WORKS TO BE CONFIRMED BY THE WORKING COMMANDING THE WORK.
10. INFORM ADJACENT NEIGHBOURS THAT EXCAVATION WORKS WILL BE CARRIED OUT AT THE BOUNDARY.

ENGINEER TO BE ADVISED IF ACID SULPHATE SOILS ARE PRESENT. IN THE EVENT THAT ACID SULPHATE SOILS ARE PRESENT, THE BUILDER IS STRONGLY ADVISED TO ENSURE PROTECTIVE MEASURES ARE TAKEN TO MINIMISE THE EFFECT OF AN ACID SULPHATE ATTACK ON THE FOOTING STRUCTURAL ELEMENTS.

IF GROUND CONDITIONS CHANGE DURING EXCAVATION. PLEASE NOTIFY ENGINEER, AND SEEK FURTHER INSTRUCTIONS.

- NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. BUILDER TO DETERMINE THE EXACT LOCATIONS OF EXISTING SERVICES PRIOR TO THE START OF ANY CONSTRUCTION WORK.
- BUILDER TO CONTACT 'DIAL BEFORE YOU DIG' AND THE AUTHORITIES CONCERNED TO CONFIRM THE ACTUAL LOCATIONS OF EXISTING SERVICES. IN THE EVENT THAT ANY OF THE SERVICES MIGHT BE AFFECTED BY STRUCTURAL WORK, STRUCTURAL ENGINEER IS TO BE NOTIFIED AND CONSULTED IMMEDIATELY TO REVIEW THE STRUCTURAL DETAILS AFFECTING THE SERVICES.

THE DESIGN HAS BEEN COMPLETED TO LIMIT THE DISPLACEMENTS OF THE SHORING WALL TO 25MM. WHILE IN OUR PROFESSIONAL OPINION, THIS EXTENT WILL NOT ADVERSELY AFFECT THE EXISTING UTILITIES, BUILDER HAS TO CONTACT RELEVANT AUTHORITIES AND IN CASE OF HAVING MORE SENSITIVE UTILITIES, BUILDER TO NOTIFY SSA FOR FURTHER INSTRUCTIONS.

- NO GROUND WATER TAKEN INTO ACCOUNT IN SHORING DESIGN

- IF GROUND WATER IS ENCOUNTERED WHILE DRILLING, SULPHATE RESISTANT CEMENT TO BE USED AND GEOTECHNICAL ENGINEER TO BE CONSULTED.

FOR WATERPROOFING MEMBRANE REFER TO WATERPROOFING CONSULTANT DRAWINGS.

EXCAVATION RETENTION

TEMPORARY BATTERS MAY BE CONSIDERED FOR RETENTION DURING BASEMENT EXCAVATION ONLY WHERE ADEQUATE ROOM FOR FULL BATTER CONSTRUCTION IS AVAILABLE. BATTERS SHALL BE CONSTRUCTED TO A MINIMUM OF 1.5m ABOVE THE WATER TABLE PROVIDED THAT SURFACE WATER IS DIVERTED AWAY FROM THE BATTER FACES AND BATTER HEIGHTS ARE KEPT TO LESS THAN 4m. WHERE BATTERS EXTEND BEYOND 4 m HEIGHT BENCHING MAY BE REQUIRED AND FURTHER
ADVICE SHOULD BE SOUGHT FROM A QUALIFIED GEOTECHNICAL ENGINEER. PERMANENT BATTERS OF 2H:1V MAY BE EMPLOYED FOR EXCAVATION DESIGN WHERE THERE IS NO TABLE WATER. BATTERS SHALL BE PROTECTED BY EROSION PROTECTION OR REVEGETATION TO PREVENT EROSION AND SLAKING. UNIT 3 & 4 BEDROOM MAY BE CUT VERTICALLY WITHOUT SUPPORT PROVIDED THAT THE EXCAVATION IS INSPECTED AND THE EXCAVATION ARE CARRIED OUT AT NO GREATER THAN 1.5 m VERTICAL INTERVALS.



THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PROPER EXCAVATION PRACTICES ARE IMPLEMENTED TO PREVENT OVEREXCAVATION. OVEREXCAVATION COULD RESULT IN UNACCEPTABLE DEFLECTION OF THE WALL AND AFFECT THE OVERALL STABILITY AND INTEGRITY OF THE STRUCTURE.

MARK-UPS DONE OVER RPS AAP CONSULTING DRAWINGS
DRAWING REF: L1.00 REV A
DATED: 2024-08-30



SMART
STRUCTURES
AUSTRALIA

SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW 2113
info@smartstructs.com.au | T: (02) 9052 6467

address

1 - 2 MURRAY ROSE
AVENUE SYDNEY
OLYMPIC PARK , NSW
2127

Start Date

Project No.

210645

Client

SQUARE CIVIL PTY LTD
TRADING AS CHALOUH

Architect

PTW ARCHITECTS

Project Engineer:

MEINHARDT

Designed by: S.R

Checked by: S.R

Revisions

1 JP 29.04.25 PRELIMINARY ISSUE

Notes

1. Drawings to be read in conjunction with architectural drawings.
2. Refer to architectural drawings for all setout levels.
3. Do not scale any dimensions from structural drawings for setting out purposes.
4. Drawings to be read & printed in colour.
5. Refer to S00 drawings for structural notes & general details.

ISSUED FOR CONSTRUCTION

Project North

Scale @ B1:

1:104

Sheet Name

RETAINING WALL PLAN

Sheet Number

S01.11

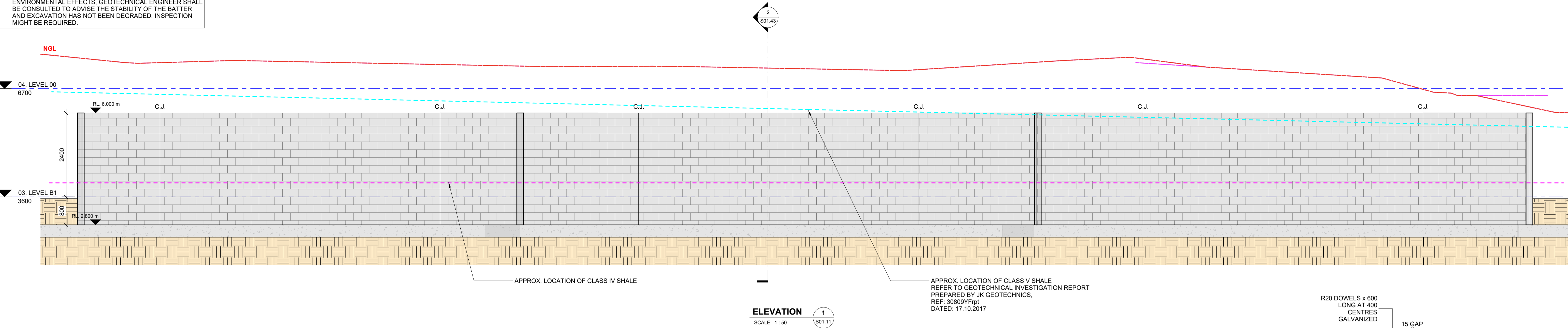
Revision:

1

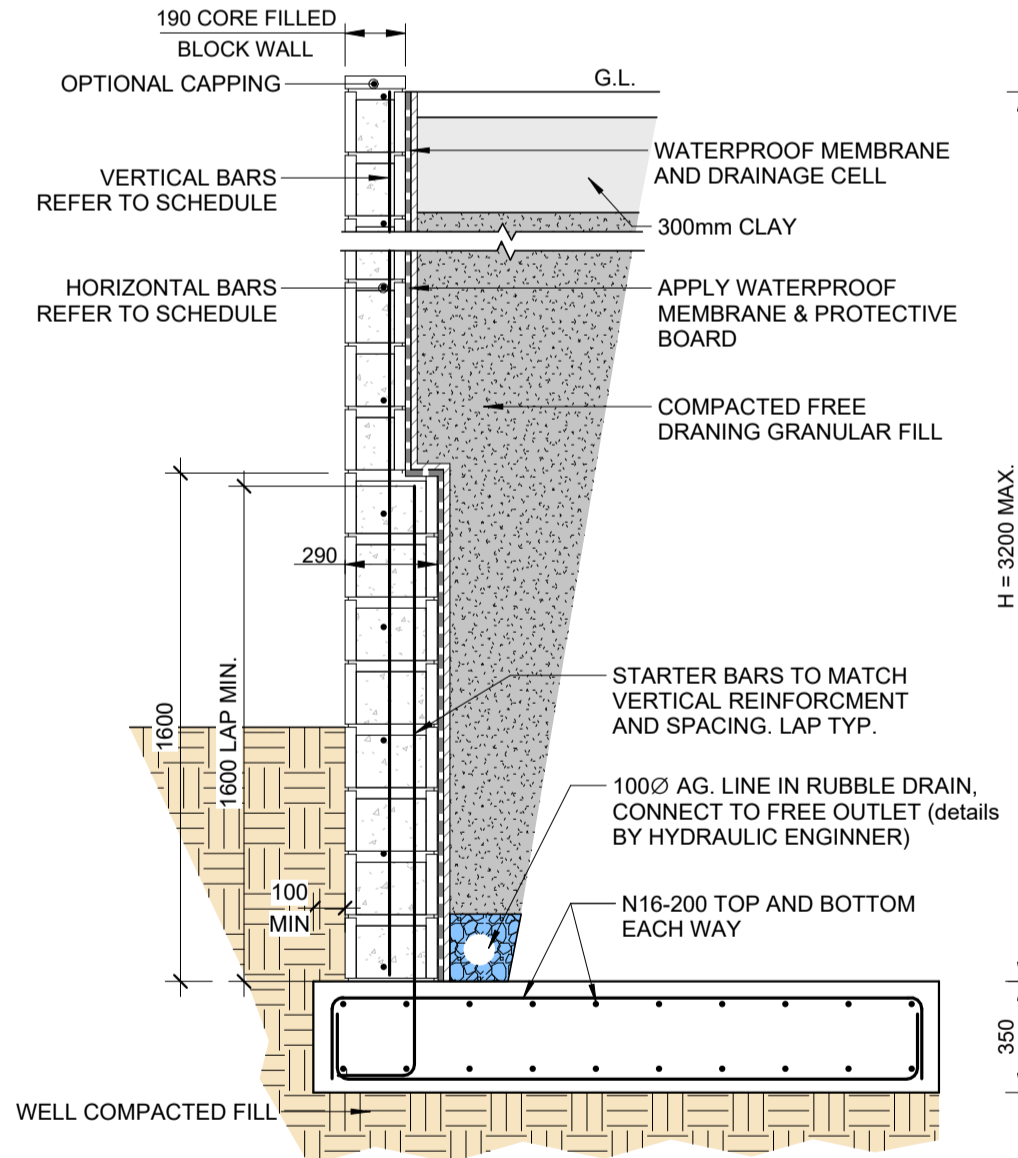
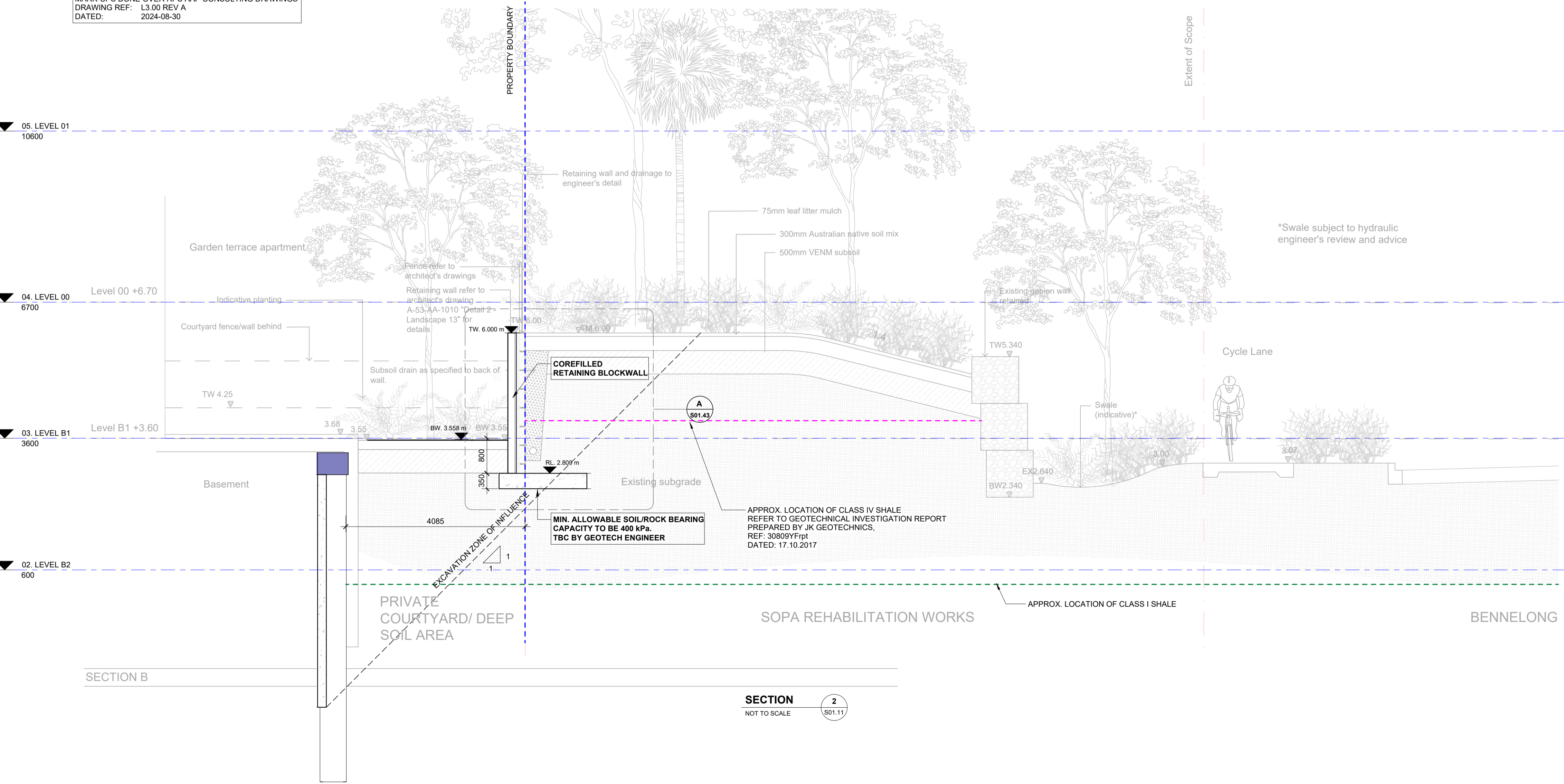
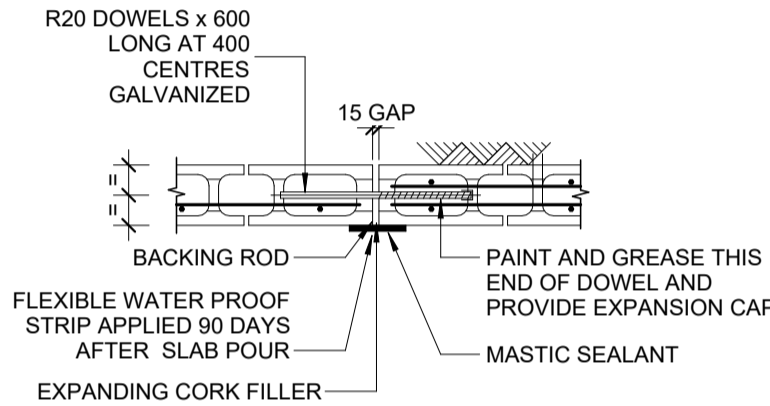
NOTE:
GEOTECH ENGINEER MUST BE PRESENTED DURING EXCAVATION TO CONFIRM THE STRENGTH OF THE ROCK BEFORE PILES ARE INSTALLED. ANY VARIATION IN STRENGTH MUST BE REPORTED TO SMART STRUCTURES AUSTRALIA

DIMENSIONS & RLS:
ALL THE RLS ON THE SLABS AND CAPPING BEAMS MUST BE CROSS-CHECKED WITH THE LATEST ARCHITECTURAL PLANS.

- NOTES:**
- THIS DETAIL MUST BE PROVIDED WHERE PART OF EXCAVATION ABOVE THE CAPPING BEAM WILL TEMPORARILY REMAIN UNSUPPORTED.
 - EVERY 2 MONTHS OR AFTER HEAVY RAIN FALL OR OTHER ENVIRONMENTAL EFFECTS, GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO ADVISE THE STABILITY OF THE BATTER AND EXCAVATION HAS NOT BEEN DEGRADED. INSPECTION MIGHT BE REQUIRED.



MARK-UPS DONE OVER RPS AAP CONSULTING DRAWINGS
DRAWING REF: L3.00 REV A
DATED: 2024-08-30



TYPICAL RETAINING WALL UP TO 2800

DETAIL
NOT TO SCALE

RETAINING WALL 1 SCHEDULE 'RW1'			
HEIGHT "H"	BASE "B"	VERTICAL BARS	HORIZONTAL BARS
2000	1600	N16-400	N16-400
2200	1800	N16-400	N16-200
2400	2000	N16-400	N16-200
2600	2100	N16-200	N16-200
3200	2200	N16-200	N16-200

SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW 2113
info@smartstructs.com.au | T: (02) 9052 6467

address

1 - 2 MURRAY ROSE
AVENUE SYDNEY
OLYMPIC PARK, NSW
2127

Start Date:
Project No.

210645

Client:
SQUARE CIVIL PTY LTD
TRADING AS CHALOUHI

Architect:
PTW ARCHITECTS

Project Engineer:
MEINHARDT

Designed by: S.R.
Checked by: S.R.

Revisions

1 JP 29.04.25 PRELIMINARY ISSUE

Notes

- Drawings to be read in conjunction with architectural drawings.
- Refer to architectural drawings for all setout, levels.
- Do not scale any dimensions from structural drawings for setting out purposes.
- Drawings to be read & printed in colour.
- Refer to S00 drawings for structural notes & general details.

ISSUED FOR CONSTRUCTION

Project North

Scale @ B1:
Sheet Name:

RETAINING WALL
DETAILS

Sheet Number:

S01.43

Revision:

1