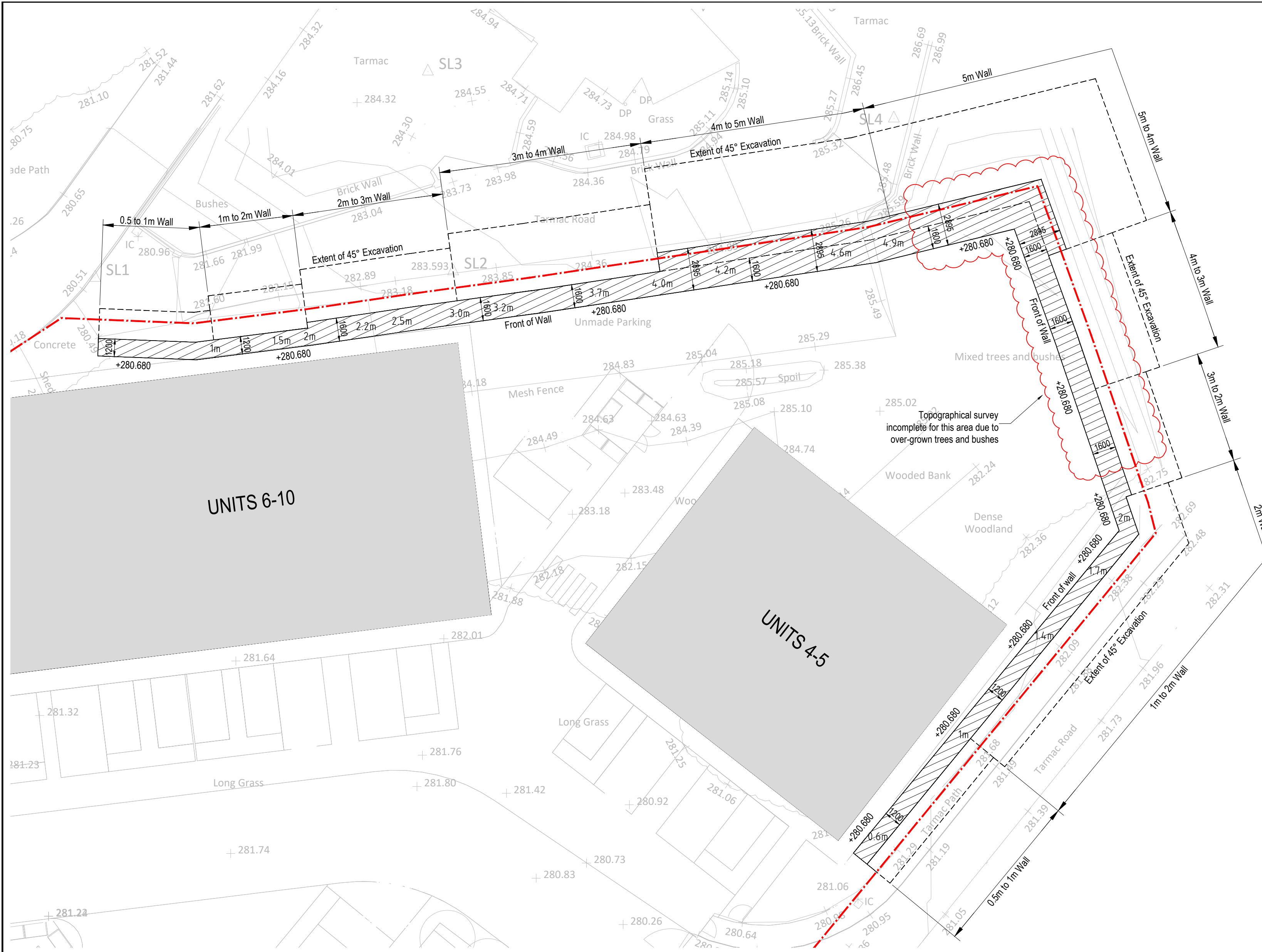




PLAN ON BOUNDARY RETAINING WALLS (SCALE 1:50)



HAZARD: EXISTING SERVICES MAY BE PRESENT ON SITE. ALL TO BE TRACED AND CARE TO BE TAKEN DURING SITE PREPARATION AND CONSTRUCTION WORKS

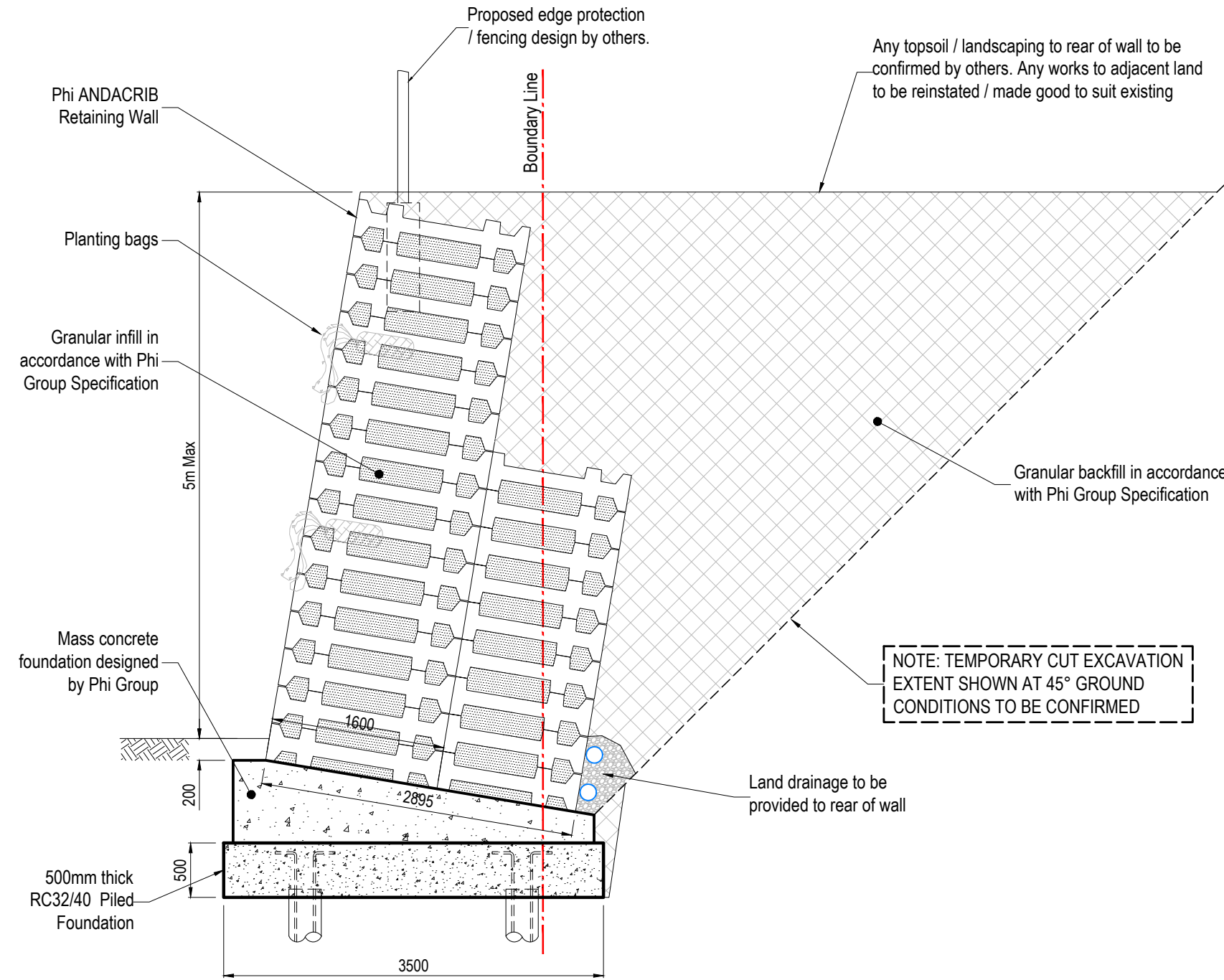
DESIGN NOTES / ASSUMPTIONS:

FOR SETTING OUT OF ALL WALLS REFER TO ARCHITECT'S DETAILS

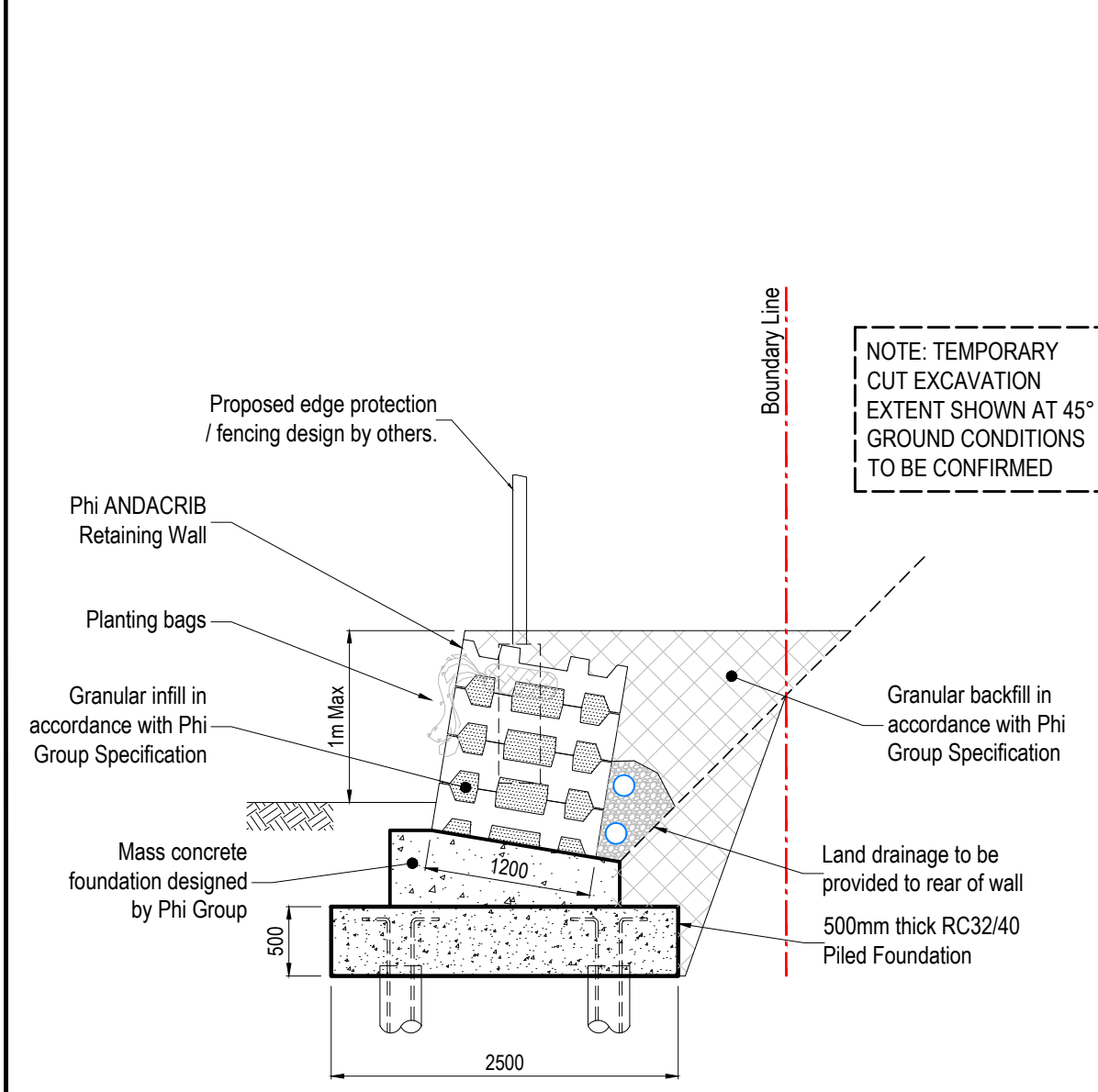
THIS DRAWING IS NOT FOR CONSTRUCTION AND IS TO ASSIST WITH DISCHARGING PLANNING CONDITIONS.

FURTHER SITE INVESTIGATION WORKS ARE REQUIRED TO TAKE PLACE ONCE OVERGROWN TREES AND BUSHES HAVE BEEN REMOVED. SITE INVESTIGATION REPORT REFERS TO GROUTING TO STABILISE EXISTING MADE GROUND. PHI GROUP TO CONFIRM ADEQUACY OF THIS WITHIN THEIR DESIGN. A PILED FOUNDATION HAS BEEN DESIGNED AS WORST CASE SCENARIO.

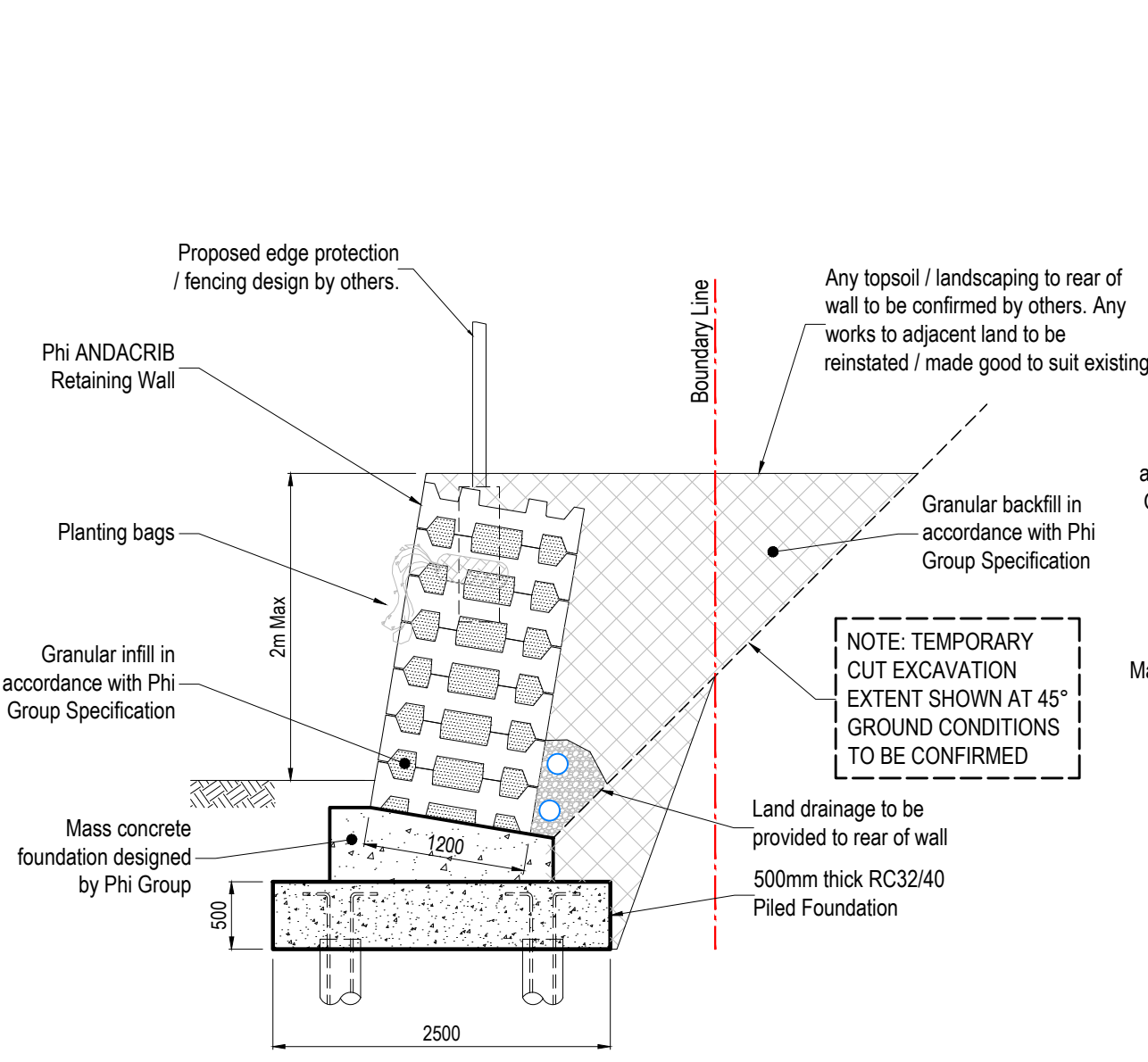
FURTHER TOPOGRAPHICAL SURVEY TO TAKE PLACE ONCE OVERGROWN TREES AND BUSHES HAVE BEEN REMOVED.



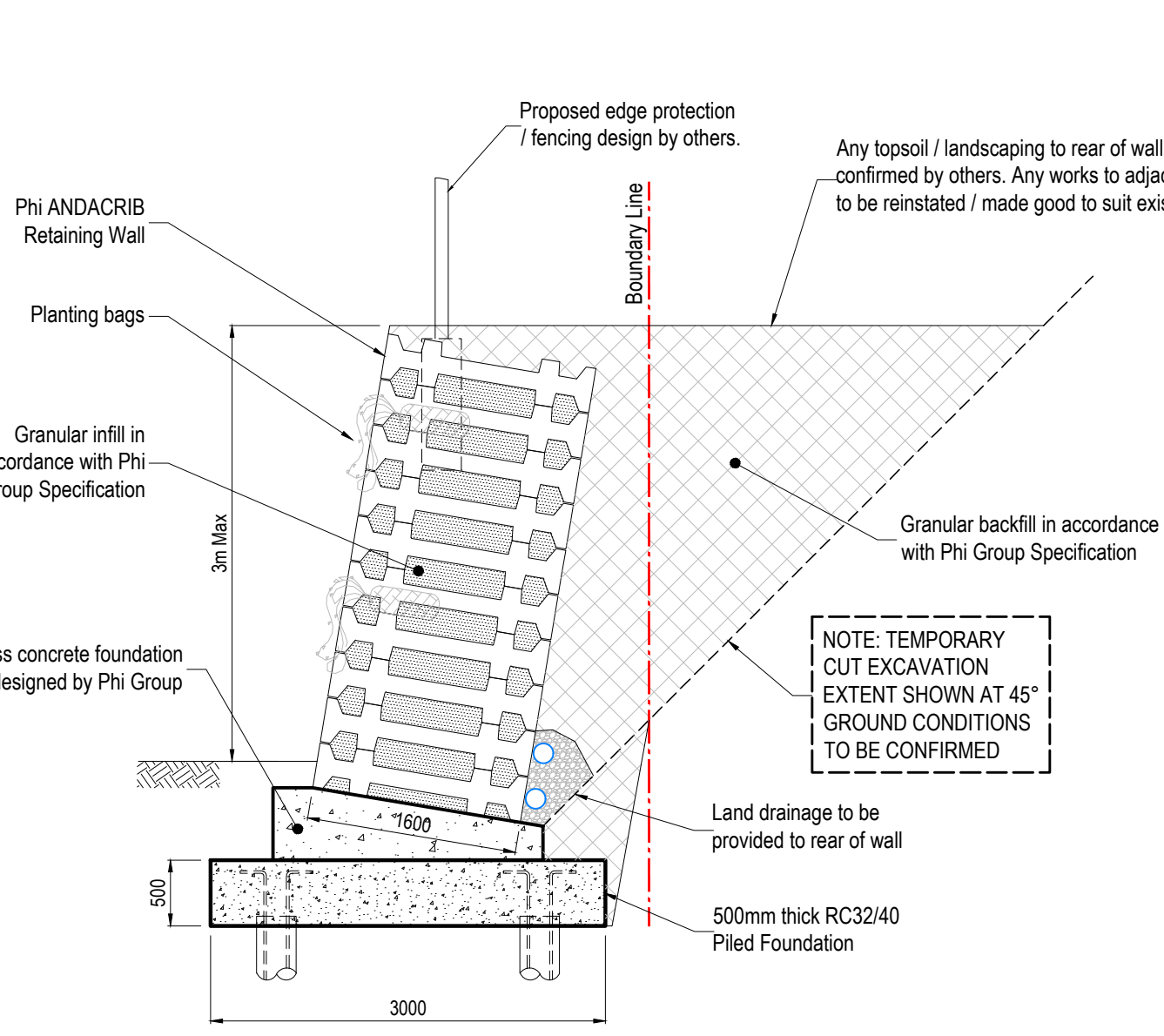
5m CRIB WALL (SCALE 1:50)



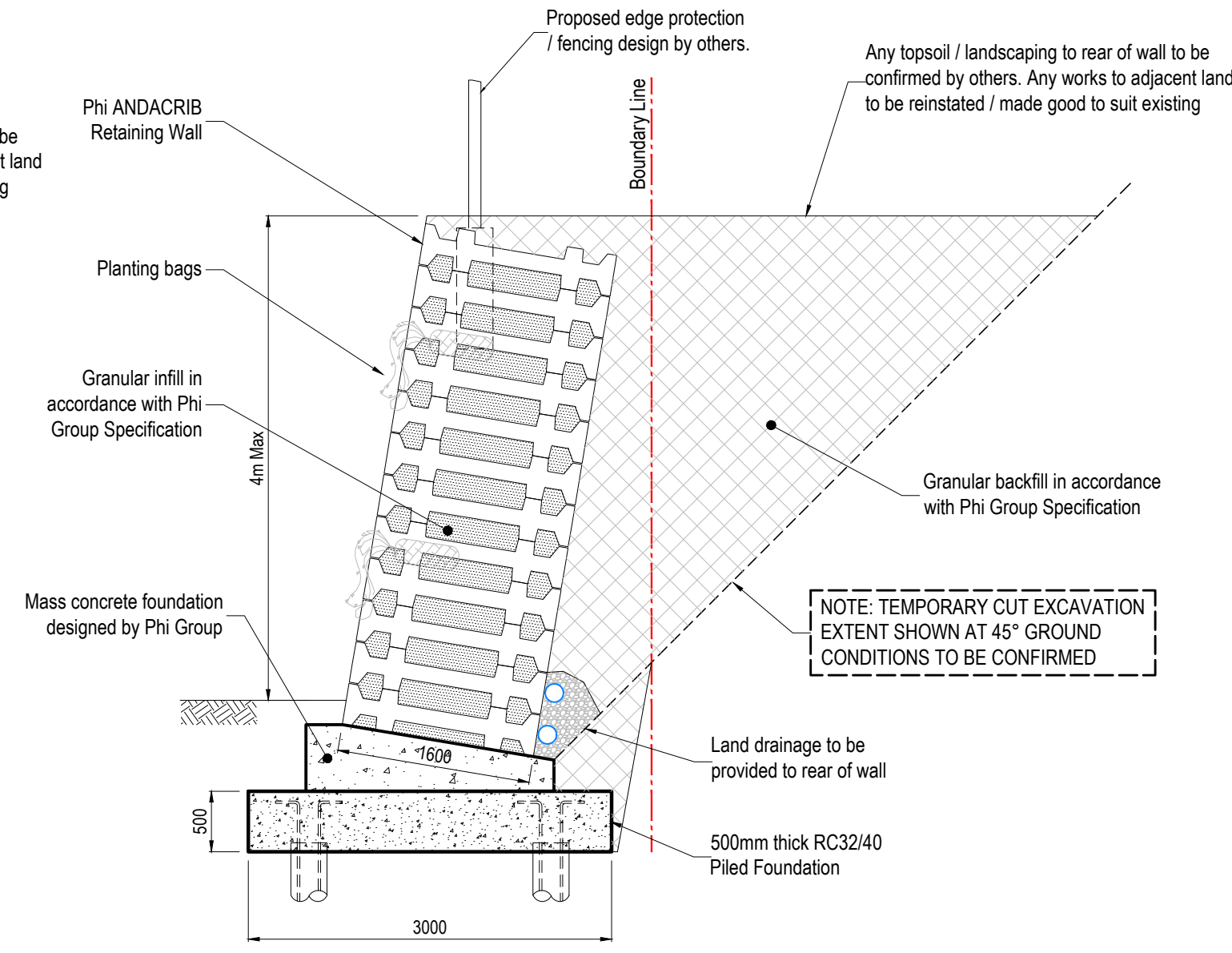
1m CRIB WALL (SCALE 1:50)



2m CRIB WALL (SCALE 1:50)



3m CRIB WALL (SCALE 1:50)



4m CRIB WALL (SCALE 1:50)

NOTES :-

GENERAL

1. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY.
2. ALL DIMENSIONS ARE IN MILLIMETRES. ALL LEVELS ARE IN METRES.
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE LATEST ARCHITECTS, ENGINEERS & SPECIALISTS DRAWINGS & SPECIFICATIONS.
4. ALL WORK TO BE UNDERTAKEN & MATERIALS SUPPLIED IN ACCORDANCE WITH RELEVANT BRITISH STANDARDS, CODES OF PRACTICE & BUILDING REGULATIONS. WORKMANSHIP AND QUALITY OF ALL ELEMENTS ARE TO BE REVIEWED BY BUILDING CONTROL OR SUITABLY QUALIFIED PERSON / COMPANY AT VARIOUS STAGES THROUGHOUT THE CONSTRUCTION.

FOUNDATIONS

1. ALL PROPOSED SETTING OUT TO BE CO-ORDINATED WITH ARCHITECTS / ENGINEERS DETAILS & DRAWINGS.

2. PRIOR TO EXCAVATION CARE MUST BE TAKEN TO LOCATE & CLEARLY MARK ALL EXISTING SERVICES. CONTINGENCY TO BE MADE FOR DIVERTING SERVICES TEMPORARILY OR PERMANENTLY DURING CONSTRUCTION WORKS.

3. ALL GRASS AND SURFACE VEGETATION INCLUDING ROOTS TO BE EXCAVATED AND REMOVED.

4. FORMATION LEVEL TO BE PROTECTED BY BLINDING OR SIMILAR APPROVED IMMEDIATELY AFTER EXCAVATION.

5. ALLOWANCE SHOULD BE MADE FOR PUMPING / REMOVAL OF GROUNDWATER PARTICULARLY IN TIMES OF HEAVY RAINFALL. SEASONAL VARIATION OF WATER TABLE TO BE CONSIDERED.

6. ALL SOFT SPOTS TO BE REMOVED & REPLACED WITH WELL COMPACTED IMPORTED GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER.

7. THE PILED RETAINING WALL BASE HAS BEEN DESIGNED TO AN ASSUMED ALLOWABLE BEARING PRESSURE OF 150kPa. - TBC FOLLOWING FURTHER SITE INVESTIGATION WORKS.

8. ALL COMPACTION TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 1 (MCHW1) SPECIFICATION FOR HIGHWAY WORKS SERIES 800 AND TO A LEVEL TOLERANCE OF +0mm TO -15mm

9. PRIOR TO CONCRETING, FORMATION LEVEL TO BE INSPECTED & APPROVED BY GEOTECHNICAL ENGINEER OR SUITABLY QUALIFIED PERSON.

CONCRETE

1. ALL CONCRETE TO TO BE GRADE RC32/40 TO BS EN 206-1 AND BS 8500.

2. CUBE TESTING TO BE UNDERTAKEN IN ACCORDANCE WITH BEST PRACTICE.

3. ONLY PLASTIC OR CONCRETE SPACERS ARE TO BE LAID DIRECTLY ONTO DPM .

4. ALL REINFORCEMENT TO BE HIGH GRADE 500 N/mm<sup>2</sup> UNLESS NOTED OTHERWISE.

5. WEATHERPROOFING MEMBRANE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. ALL JOINTS TO BE LAPPED AND TAPED

6. PILED BASE NOT TO BE LOADED FOR A MINIMUM OF 7 DAYS SUBJECT TO THE APPROVAL OF THE ENGINEER. CURING AGENT TO BE ALLOWED FOR TO BE AGREED WITH ENGINEER / CONTRACTOR SHOULD THE BASE NEED TO BE LOADED EARLIER.

| Rev.       | Date. | Details. | By. | Chk. |
|------------|-------|----------|-----|------|
|            |       |          |     |      |
| Amendments |       |          |     |      |



Bear Structures

Rugged by design

35 Stow Park Circle Newport NP20 4HF  
United Kingdom

Project:  
**M DELACEY & SONS, GOAT MILL ROAD, DOWLAIS, METHYR TYDFIL**

Title:  
**PROPOSED BOUNDARY RETAINING WALLS AND TYPICAL DETAILS**

Drawing Status:  
**INFORMATION**

| Drawn:   | Checked: | Scale(s) at A1: |
|----------|----------|-----------------|
| RB       | AB       | As Noted        |
| Date:    | Job No.  | Drawing No.     |
| 27.06.22 | P0379    | 01              |
|          |          |                 |