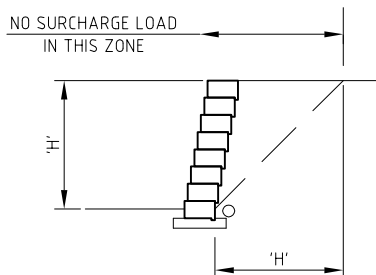


**TYPICAL SECTION (NO SETBACK)**

**DESIGN NOTES:**

- NO SURCHARGE LOAD IS TO BE APPLIED TO WALL WITHIN THE ZONE SHOWN ON THE SKETCH BELOW.  
eg NO ADJACENT STRUCTURE OR DRIVEWAY.



- WALL HEIGHTS OVER 1000mm REQUIRE ENGINEERS CERTIFICATION.
- WALLS DETAILED IN THE TABLE BELOW SHALL BE CONSTRUCTED USING SOLID GARDEN LOCKSTONE BLOCKS.

**SOIL TYPE 1:** WEATHERED GRANITE  
 UNIT WEIGHT 20 kN/m<sup>3</sup>  
 FRICTION ANGLE DEGREES 40°  
 COHESION kPa 0  
 BEARING CAPACITY 200kPa

**SOIL TYPE 2:** GRANITE /STIFF CLAY MIX  
 UNIT WEIGHT 20 kN/m<sup>3</sup>  
 FRICTION ANGLE DEGREES 34°  
 COHESION kPa 0  
 BEARING CAPACITY 200kPa

**SOIL TYPE 3:** SOFT/FIRM CLAY  
 UNIT WEIGHT 19 kN/m<sup>3</sup>  
 FRICTION ANGLE DEGREES 27°  
 COHESION kPa 10  
 BEARING CAPACITY 150kPa

**SOLID GARDEN LOCKSTONES SELECTION GUIDELINES**

SOIL/BACKFILL TYPE	INTERNAL FRICTION ANGLE $\phi$	WALL HEIGHT LEVEL BACKSLOPE	WALL HEIGHT 1 IN 4 BACKSLOPE	DRAINAGE MATERIAL WIDTH (mm)
WEATHERED GRANITE	40°	1500mm	1200mm	200mm
GRANITE/STIFF CLAY MIX	34°	1300mm	1100mm	200mm
SOFT/FIRM CLAY	27°	1000mm	800mm	300mm

DWG. No.:  
S1

Drawn: PJM  
Date: 19-10-05

JOB No.:  
05.723

Scales: N.T.S.  
Approved:

SOLID LOCKSTONES RETAINING WALL  
 TYPICAL DETAILS  
 AND SPECIFICATION  
 BATHURST CONCRETE PRODUCTS

**CALARE CIVIL Pty Ltd**  
 CONSULTING ENGINEERS  
 ACN 050 057 933  
 86 BENTINCK ST., BATHURST, N.S.W. 2795  
 Telephone: (02) 63323343

