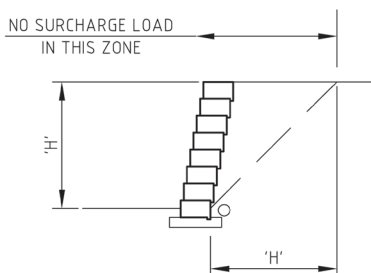


TYPICAL SECTION (NO SETBACK)

DESIGN NOTES:

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



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

SOIL TYPE 1: WEATHERED GRANITE
UNIT WEIGHT 20 kN/m³
FRICTION ANGLE DEGREES 40°
COHESION kPa 0
BEARING CAPACITY 200kPa

SOIL TYPE 2: GRANITE /STIFF CLAY MIX
UNIT WEIGHT 20 kN/m³
FRICTION ANGLE DEGREES 34°
COHESION kPa 0
BEARING CAPACITY 200kPa

SOIL TYPE 3: SOFT/FIRM CLAY
UNIT WEIGHT 19 kN/m³
FRICTION ANGLE DEGREES 27°
COHESION kPa 10
BEARING CAPACITY 150kPa

SOLID GARDEN LOCKSTONES SELECTION GUIDELINES

SOIL/BACKFILL TYPE	INTERNAL FRICTION ANGLE ϕ	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

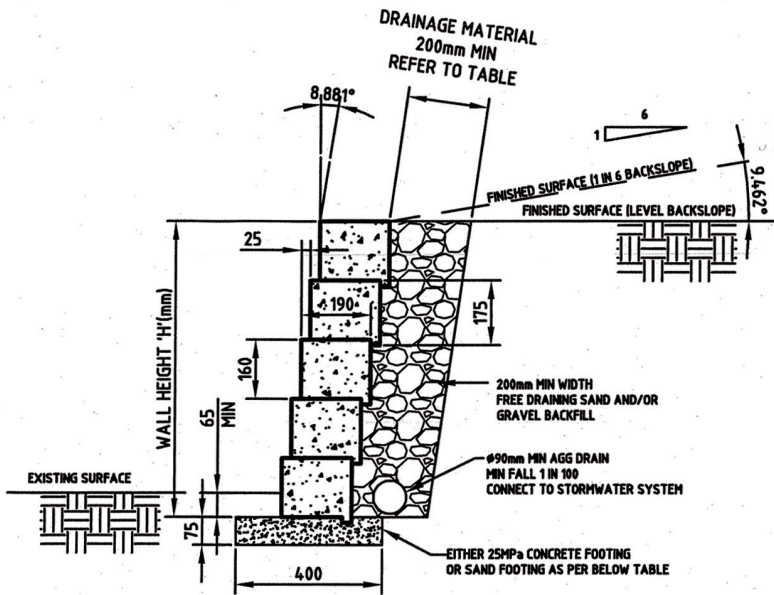
JOB No.:
05.723

Scales: N.T.S.
Approved:

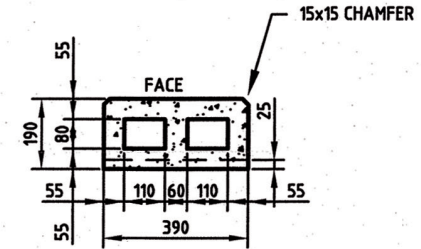
SOLID LOCKSTONES RETAINING WALL
TYPICAL DETAILS
AND SPECIFICATION
BATHURST CONCRETE PRODUCTS

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





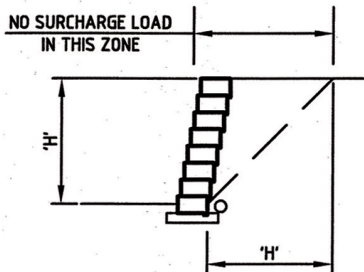
TYPICAL SECTION (NO SETBACK)
SCALE 1:20



CLIPSTONE BLOCK DIMENSIONS
SCALE 1:20

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.

SOIL TYPE: STIFF CLAY
UNIT WEIGHT 20 kN/m³
FRICTION ANGLE DEGREES 36°
COHESION kPa 0
BEARING CAPACITY 200kPa

CLIPSTONE RETAINING WALL SELECTION GUIDELINES

SOIL/BACKFILL TYPE	INTERNAL FRICTION ANGLE ϕ	WALL HEIGHT LEVEL BACKSLOPE	WALL HEIGHT 1 IN 6 BACKSLOPE	WALL HEIGHT LEVEL BACKSLOPE	WALL HEIGHT 1 IN 6 BACKSLOPE	DRAINAGE MATERIAL WIDTH (mm)
		ALL CORES UNFILLED		ALL CORES FILLED ALL VOIDS FILLED WITH COMPACTED SAND		
STIFF CLAY	36°	800mm (5 courses) 75mm CONC. FOOTING	640mm (4 courses) 75mm CONC. FOOTING	960mm (6 courses) 75mm CONC. FOOTING	960mm (6 courses) 75mm CONC. FOOTING	200mm
STIFF CLAY	36°	640mm (4 courses) SAND FOOTING	640mm (4 courses) SAND FOOTING	800mm (5 courses) SAND FOOTING	800mm (5 courses) SAND FOOTING	200mm

DWG. No.: S1	Rev. C	Drawn: PJM
JOB No.: 10.484		Date: 12-7-10
		Scales: N.T.S.
		Approved:

CLIPSTONE RETAINING WALL
TYPICAL DETAILS
AND SPECIFICATION
BATHURST CONCRETE PRODUCTS

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