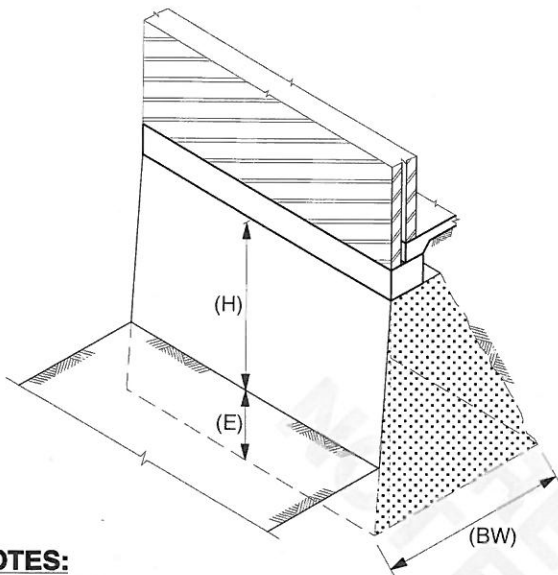


BMC GROUT BLOCK SYSTEM



EXISTING WALL,
SLAB AND FOOTING.

H = 2000
MAX
EXCAVATION

EMBEDMENT (E) =
400 MIN
BELOW
EXCAVATION
LEVEL.

120
MIN

BW

GROUT BLOCK RETAINING WALL

NOTES:

1. THIS GROUT BLOCK IS DESIGNED FOR USE IN STABLE SAND OR ROCK SOILS WITH FREE DRAINING GRANULAR BACKFILL. MAXIMUM WATER TABLE TO BE BELOW BOTTOM OF GROUT BLOCK. IF OTHER CONDITIONS ENCOUNTERED ON SITE CONTACT THE ENGINEER.
2. ENSURE THE BASE OF THE PROPOSED GROUT BLOCK IS COMPACTED TO MIN 6 BLOWS / 300mm (AS TESTED WITH THE PERTH SAND PENETROMETER) OR THAT THE SOIL IN THE VICINITY OF THE BASE OF THE GROUT BLOCK HAS A MINIMUM OF 98% MDD (MAXIMUM DRY DENSITY).
3. THE GROUT BLOCK MUST BE HOMOGENEOUS THROUGHOUT WITH NO VOIDS AND MUST ACHIEVE A MINIMUM STRENGTH OF 3MPa WITHIN THE FIRST 7 DAYS AFTER CONSTRUCTION. DO NOT EXCAVATE THE SOIL AWAY FROM THE FACE OF THE GROUT BLOCK UNTIL AT LEAST 7 DAYS AFTER COMPLETION.
4. THIS DETAIL HAS BEEN DESIGNED FOR A ONE STOREY RESIDENCE TO BEAR ON THE TOP OF THE GROUT BLOCK. THE MAXIMUM WEIGHT PER METRE LENGTH OF THE RESIDENCE IS TO BE 1.75 TONNE. THIS REFERS TO THE WEIGHT OF THE FOOTING, EXTERIOR WALL AND ROOF.
5. ENSURE THE EXCAVATION ASSOCIATED WITH THE CONSTRUCTION OF THIS WALL DOES NOT UNDERMINE ANY ADJACENT STRUCTURES EITHER ON THIS OR ADJOINING PROPERTIES.
6. DO NOT BUILD OVER OR ADJACENT TO ANY WATER AUTHORITY SEWERS WITHOUT WATER CORPORATION APPROVAL.
7. THE MANUFACTURE AND APPLICATION OF THE BMC GROUT TREATMENT MUST BE DONE BY A SPECIALIST AUTHORIZED BMC CONTRACTOR. BMC DESIGN NOTES AND SPECIFICATIONS MUST BE FOLLOWED THROUGHOUT THE CONSTRUCTION OF THE GROUT BLOCK.
8. THE GROUT RETAINING WALL IS DESIGNED TO PROVIDE TEMPORARY RETAINING TO THE SOIL WHILST EXCAVATION AND PERMANENT RETAINING METHODS ARE INSTALLED. IF THE GROUT RETAINING WALL IS REQUIRED TO PROVIDE PERMANENT RETAINING, CONTACT THE ENGINEER.

H	BW	E
0 - 1000	H/2 + 200 BUT NOT LESS THAN 500	400
1000 - 1500	H/2 + 300	400
1500 - 1800	H/2 + 400	400
1800 - 2000	H/2 + 500	400



BMC

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THE APPROVED SIGNATURE
ON THIS DETAIL ENDORSES
ITS USE ON CLASS A
STABLE SITES.

BMC2

LAST MODIFIED: 12/05/14



STRUCterre
consulting engineers

PROJECT : FOR REFERENCE ONLY

CLIENT : FOR REFERENCE ONLY

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SCALE 1 : 20

DATE

APPROVED