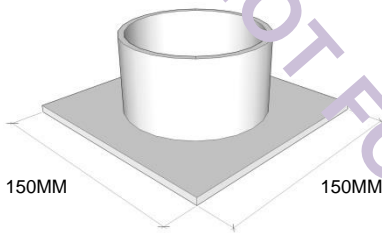


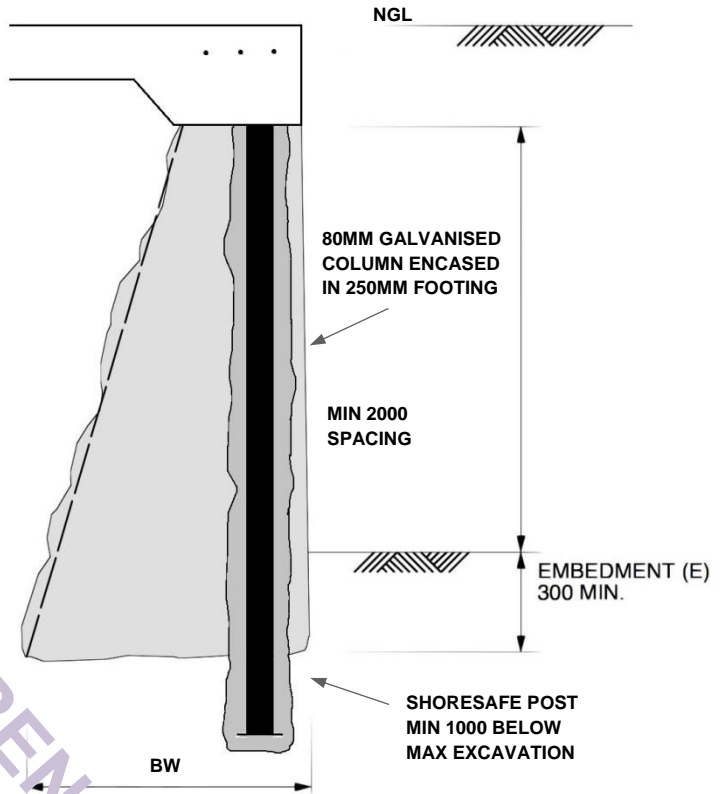
# BMC SHORES SAFE™ GROUT BLOCK DESIGN

**NOTES:**

1. BMC SHORES SAFE OFFERS A SUPERIOR SECONDARY MEANS OF SUPPORT WHILST EXCAVATION AND RETAINING WORKS ARE BEING CARRIED OUT.
2. BMC SHORES SAFE'S MAIN PURPOSE IS TO INCREASE SAFETY WITH DEEP EXCAVATION WORKS SUPPORTING HEAVY LOADS. IT REDUCES CHANCES OF COLLAPSE TO EXISTING FIXTURES AND PREVENTS TOTAL FAILURE OF GROUT BLOCKS IF DAMAGED DURING EXCAVATION OR WHILST PERMANENT RETAINING WORKS ARE BEING CARRIED OUT.
3. 250MM HOLES ARE AUGERED DOWN UNDERNEATH EXISTING FIXTURES TO A MIN 1000MM BELOW MAX EXCAVATION.
4. BMC SHORES SAFE USES 80MM GALVANISED COLUMN WITH STANDARD 150MM BASE PLATE. THEY ARE LOWERED INTO THE PRE-AUGERED HOLES AND FIXED IN PLACE UNDER EXISTING FOOTING. COLUMN HOLES THEN FILLED WITH CEMENT MIX, ENCASING COLUMN.
5. BMC GROUTWORKS FOLLOW AFTER COLUMNS HAVE BEEN INSTALLED ENCORPORATING ENTIRELY IN THE GROUTBLOCK.
6. EXCAVATION WORKS MUST BE SUPERVISED AT ALL TIMES WHERE BMC SHORES SAFE HAS BEEN USED\*



\*REFER TO BMC DESIGN NOTES AND SPECIFICATIONS

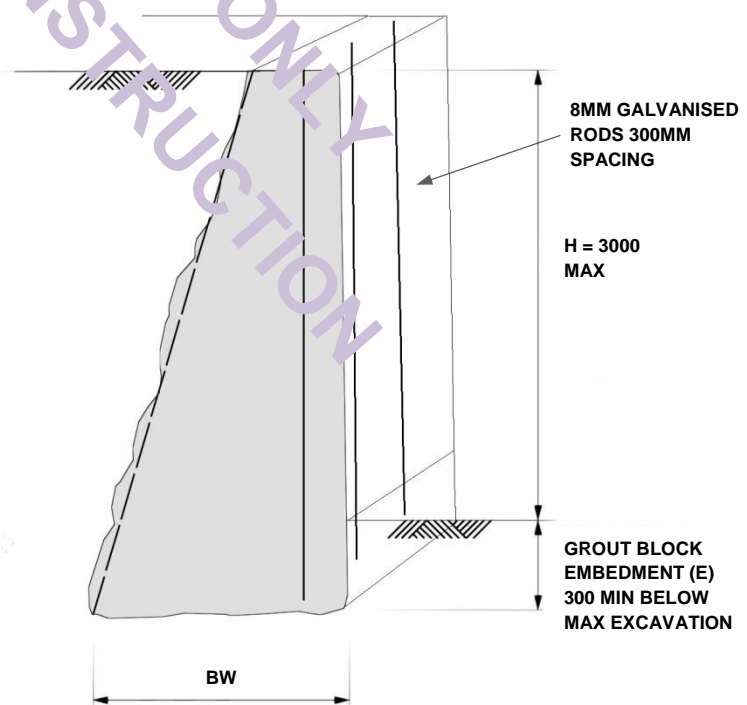


# BMC +™ GROUT BLOCK DESIGN

**NOTES:**

1. BMC+ CAN BE INCORPORATED INTO ANY GROUT INJECTION PROJECT, OFFERING A SECONDARY MEANS OF SUPPORT AND REDUCING SAND SEEPAGE WHERE THERE MAY BE HIT AND MISS VOIDS IN THE GROUTBLOCK.
2. HIT AND MISS VOIDS MAY OCCUR IN GROUTBLOCKS WHERE
  - THERE IS LIMITED SOIL COHESION AND HOURGLASS SOIL TYPES ARE EXPERIENCED
  - THERE ARE VARIOUS CONTAMINATES IN THE SOIL, SUCH AS ORGANIC MATTER, ROCK, RUBBLE ETC.
  - PREVIOUS EXCAVATION WORKS HAVE BEEN CARRIED OUT PRIOR, PREVENTING A UNIFORM TAKE.
3. 8MM GALVANISED RODS ARE INTRODUCED INTO THE GROUT BLOCK LINE EVERY 300MM THEN ENCASING IN THE FOLLOWING GROUTWORKS.
4. FOLLOWING EXCAVATION IF HIT AND MISS VOIDS ARE ENCOUNTERED, PARGING OR SECONDARY SHORING CAN BE INSTALLED IN AND AROUND THE EXISTING RODS PREVENTING FUTHER SUBSIDENCE WHILST PERMANENT RETAINING WORKS ARE BEING CARRIED OUT\*

\*REFER TO BMC DESIGN NOTES AND SPECIFICATIONS



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PROJECT	
CLIENT	
SCALE	APPROVED
DATE	