



MAIN ADVANTAGES

- Large precast blocks allow for quick construction.
- Small crew and equipment can install
 70 100m2 of walling per day.
- Chiselled stone or spilt face provides aesthetic appeal and natural stone look.
- Well manufactured with close dimensional tolerances.
- Designed and tested to meet international standards.









- Ability to create near vertical walls
- Ability to withstand extreme heavy loading and static loads
- Used in areas of high seismic activity.
- Large 2.25m2 block allows piles to be installed through block (use pile through photo)
- Easy alignment and simple construction procedure.



SHORELINE AND CHANNEL PROTECTION

- Provides erosion control and stability around shoreline.
- Blocks have tapered sides to easily create curves and tight radii.
- Durability providing 100 year design life.
- Environmentally friendly and can blend with natural environment.
- Aggregate inside blocks act as built-in drainage system.







RETAINING STRUCTURES

- Ability to create near vertical walls which create more land value.
- Mass gravity retaining wall constructed up to 4.5m.
- Reinforced soil structures more than 10.0m in height.
- Allows increased vertical spacing between reinforcing layers.
- Block aggregate infill acts as interlock between blocks and improves connection strength.

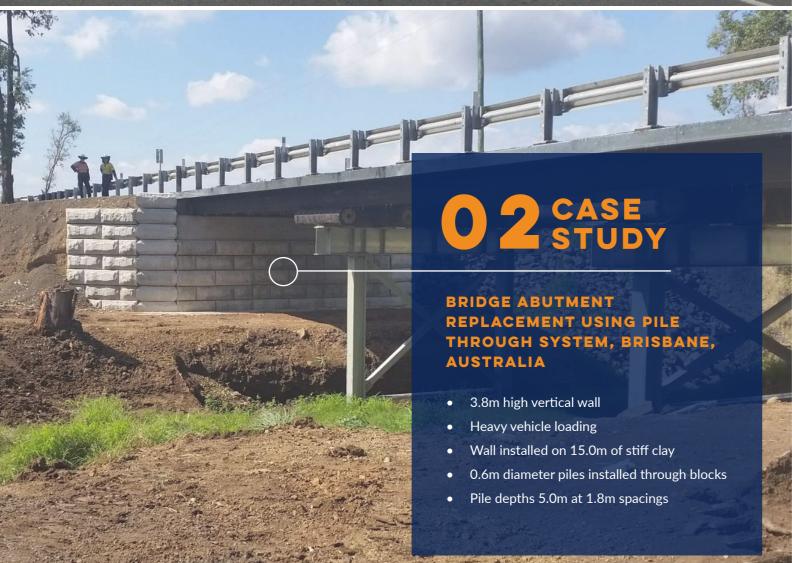
O1 CASE STUDY

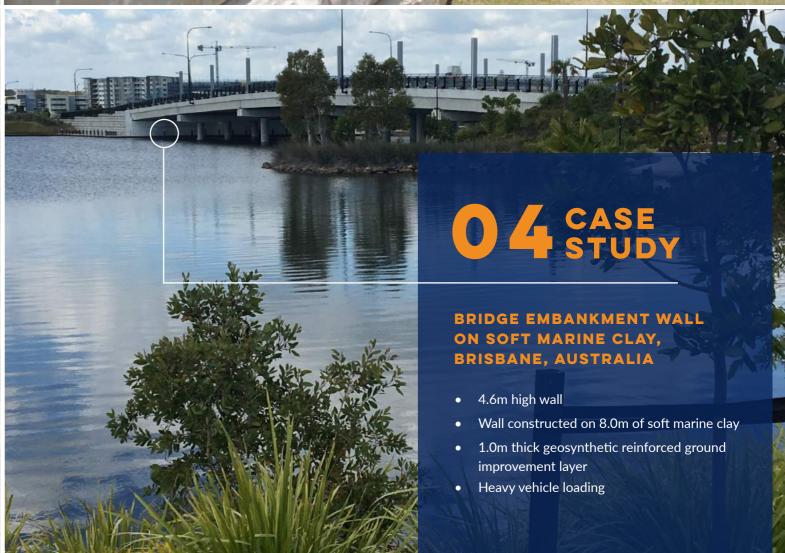
COMMERCIAL AND INDUSTRIAL ESTATE, BRISBANE, AUSTRALIA

- 2500m2 of wall facing
- 9.0m high RSS wall
- Near vertical wall to maximize land value
- Utilized all on-site material
- Wall can be constructed four blocks high before backfill is placed

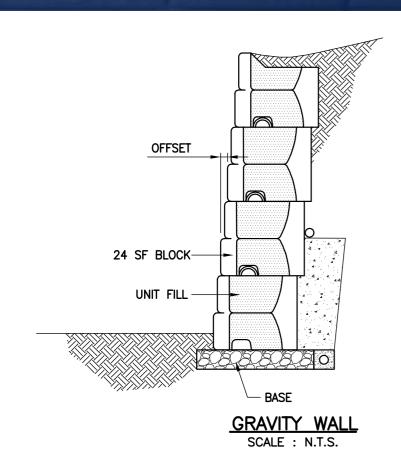


RESIDENTIAL DEVELOPMENT NEAR LAKE, BRISBANE, AUSTRALIA • 5.2m high wall • Near vertical wall to maximize land value • Wall constructed on 2.0m of soft to firm clay • 1.0m thick geosynthetic reinforced ground improvement layer • Fencing installed within top blocks

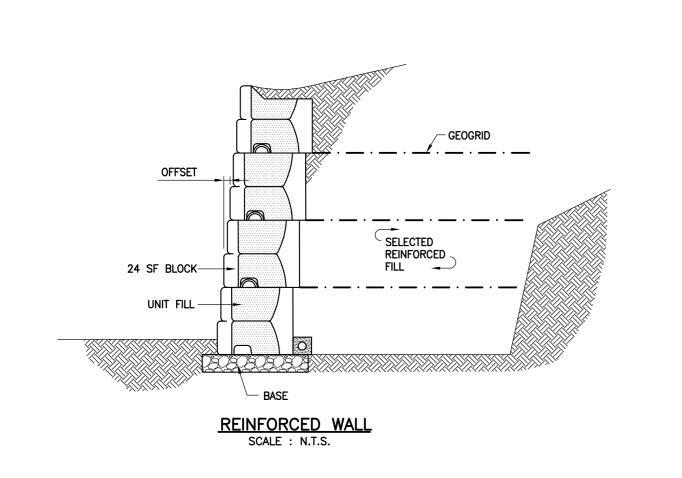




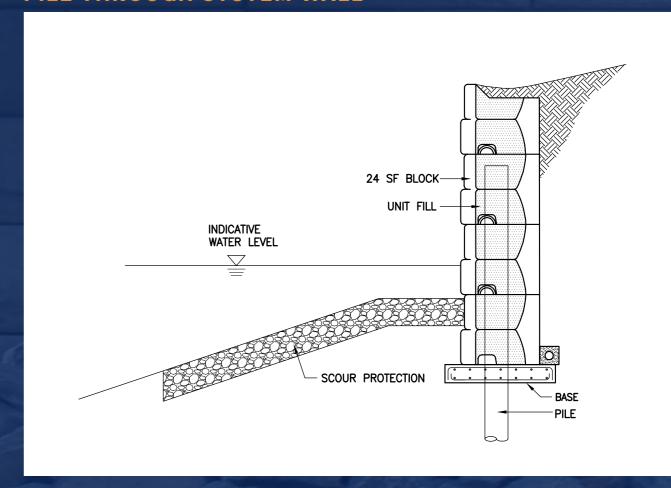
GRAVITY WALL



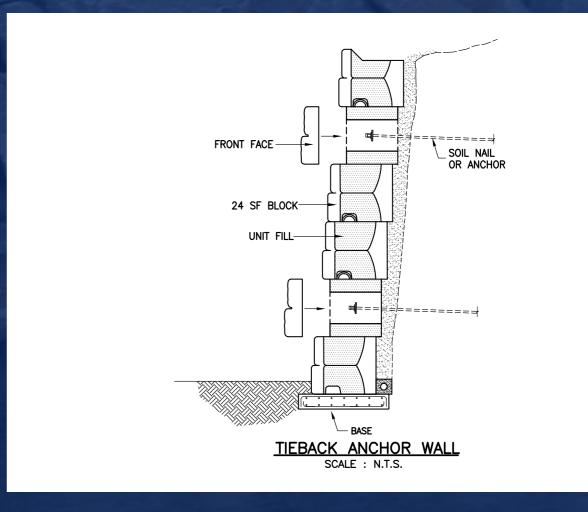
REINFORCED WALL



PILE THROUGH SYSTEM WALL



TIEBACK ANCHOR WALL





The 24SF block contributes to the installation speed. A small crew and a couple pieces of equipment can install up to 120 face metres per day.



The 90° block provides for inside and outside 90° turns.

6 SF Block



The 6 SF block allows for tighter turning radius, wall steps at 0.46 increments and vertical/horizontal adjustments. It can also be used as a stand alone retaining wall.

45° Block

1.22x0.46, 45 degree angles

The 45° block provides for inside and outside 45° turns.

1.22x0.46x1.1



The end/corner block is used for 90° turns and for end finish treatments.



The dual face block provides for above grade applications.

3SF Block



The 3SF block allows the wall to stay on running bond.



The step/cap is used for stair and step applications and as wall cap.

24SF Top Block



The top block has an 0.2 recess at the top of the face to allow for multiple finish options. Also availble in 6SF block. 24SF Mass Extender Block



The addition of the extender to the 24SF block provides for greater gravity wall heights.

Patent Numbers: 6,796,098 / 7,073,304

