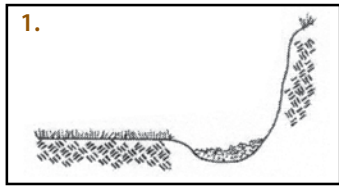


# RETAINING WALL INSTALLATION GUIDE

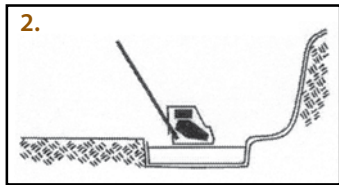
## INSTALLATION GUIDE FOR PANOMUR RETAINING WALLS

See SRW's "Standard Engineering and How-To-Guide" for more information.



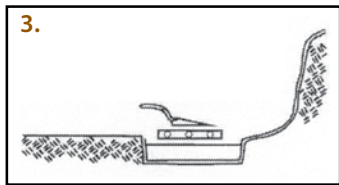
### 1. Excavate

Dig a base trench 24" inches to 36" inches wide and a minimum of 12" inches deep. Remove all vegetation and unsuitable organic soils (Do not use these for structural backfill). Compact soil base properly.



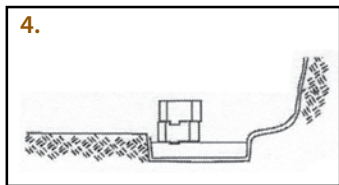
### 2. Prepare Leveling Pad

Fill trench with 6" inches of well graded gravel and compact firmly with vibrating compaction equipment.



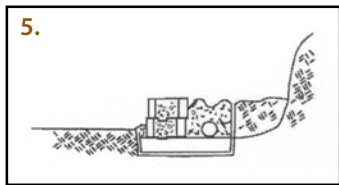
### 3. Level the Base

Level the gravel base from front to back and side to side. This procedure will ensure a straight and stable wall.



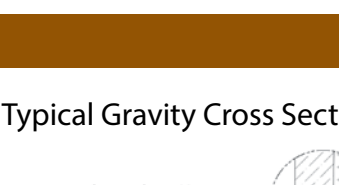
### 4. Lay your First Course

Use a string line to align your first row of units. For smooth curves, use a flexpipe as your guide. Place each unit edge to edge, lining up the back of the units.



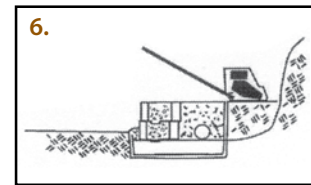
### 5. Build your Wall

Sweep the top of each course of units to clear debris. Half-stagger the next course so each unit is centered on two units below. Pull each unit forward to lock connecting lugs in place.



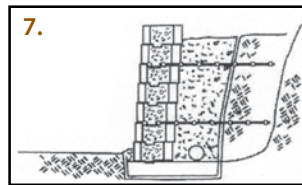
### 6. Install Backfill

Place perforated drainage pipe behind the base of your wall. Add 12" inches of free-draining



### 7. Reinforce Wall

Place the geosynthetics on top and as close to the front of the units as possible. Lock the next course of units into place. Gently tension the geosynthetics toward the back of the compacted backfill. Repeat the backfilling steps. Always work from the back of the wall toward the end of the reinforced zone.

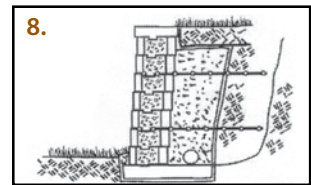


### 8. Cap your Wall

Sweep off the top course of units. Secure caps to the top of the wall using an approved concrete adhesive. Use a level piece of string to properly align the capping. Place filter soil separation fabric on top of the backfill and drainage materials as well as the back side of the wall. Cover with top soil.

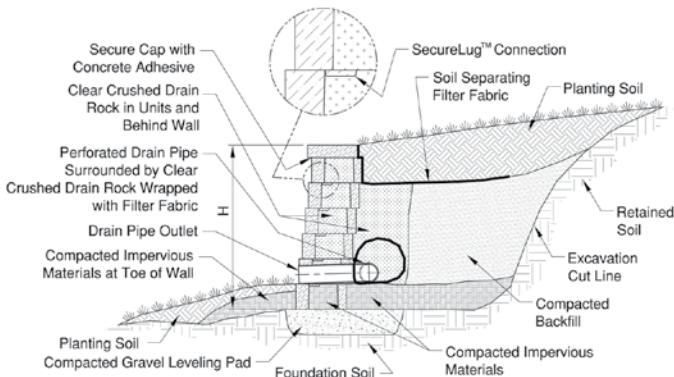
### Please note:

A qualified engineer should be consulted on PanoMur walls exceeding 3' feet (or 6 courses) in height.

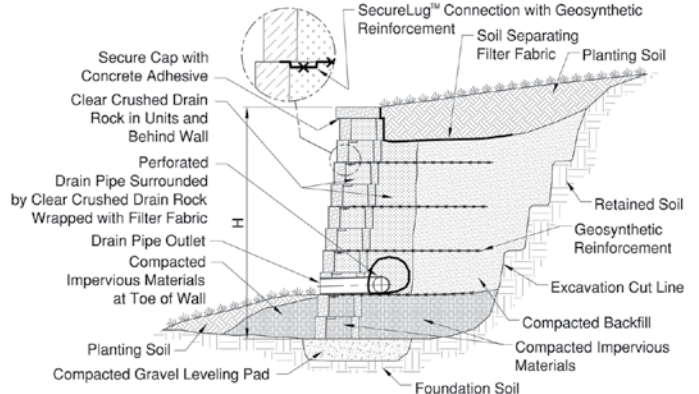


## RETAINING WALL CROSS SECTIONS

### Typical Gravity Cross Section



### Typical Geo-Reinforced Cross Section



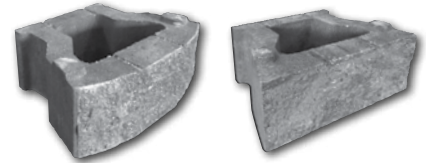
Need help figuring your project? Use our Stone Calculator online at [www.borgertproducts.com](http://www.borgertproducts.com).

# GEOGRID PLACEMENT TABLES

For walls up to 8' using PanoMur Block & SRW 3 Series Geogrid

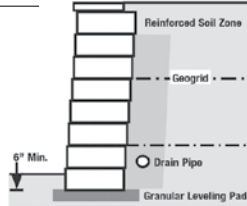
If used without the stamped engineering, the final determination of the suitability of the contemplated use, and its manner of use, are the sole responsibility of the user, and the user expressly releases all parties of any and all liability that might arise as a result. These designs have been performed with National Concrete Masonry Association (NCMA) software and have been analyzed for the appropriate factors of safety. © 2009 Hardscape Technical Services • Visit [www.hardscapetech.com](http://www.hardscapetech.com) for stamped engineering services and additional design charts.

Grid Specification: SRW 3 Series - 1041 L TDS • Block Dimensions: 6"(H) x 16"(W) x 12"(D) • Covers: 2/3 Sq.Ft.



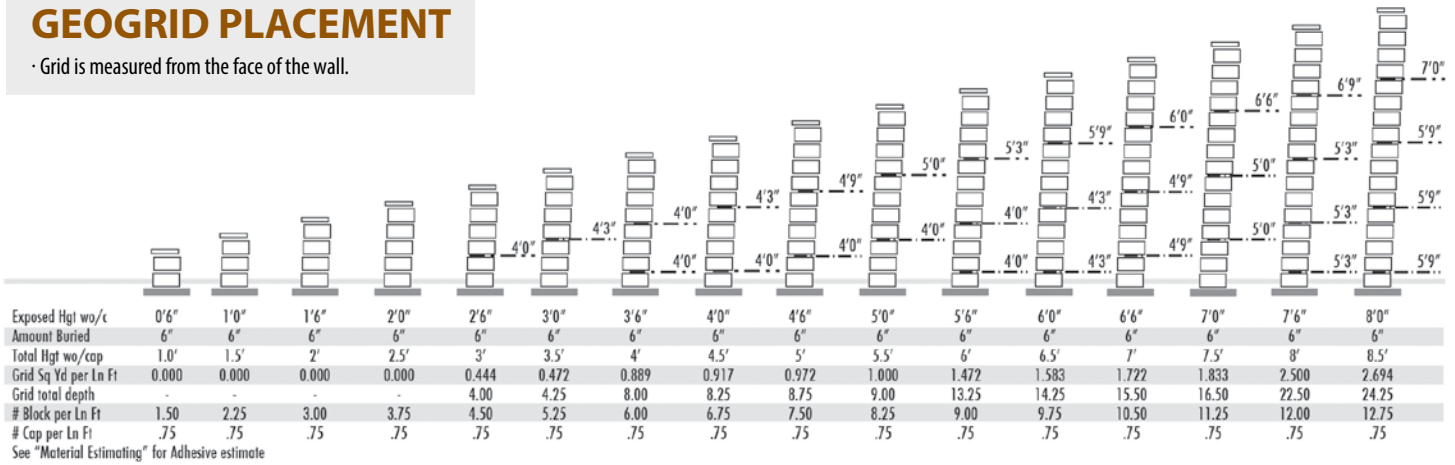
## 26 DEGREE SOIL

- Flat at Top and Bottom of Wall
- No Surcharge



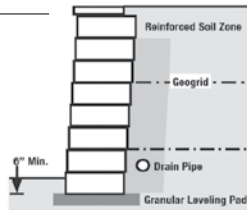
## GEOGRID PLACEMENT

- Grid is measured from the face of the wall.



## 30 DEGREE SOIL

- Flat at Top and Bottom of Wall
- No Surcharge



## GEOGRID PLACEMENT

- Grid is measured from the face of the wall.

