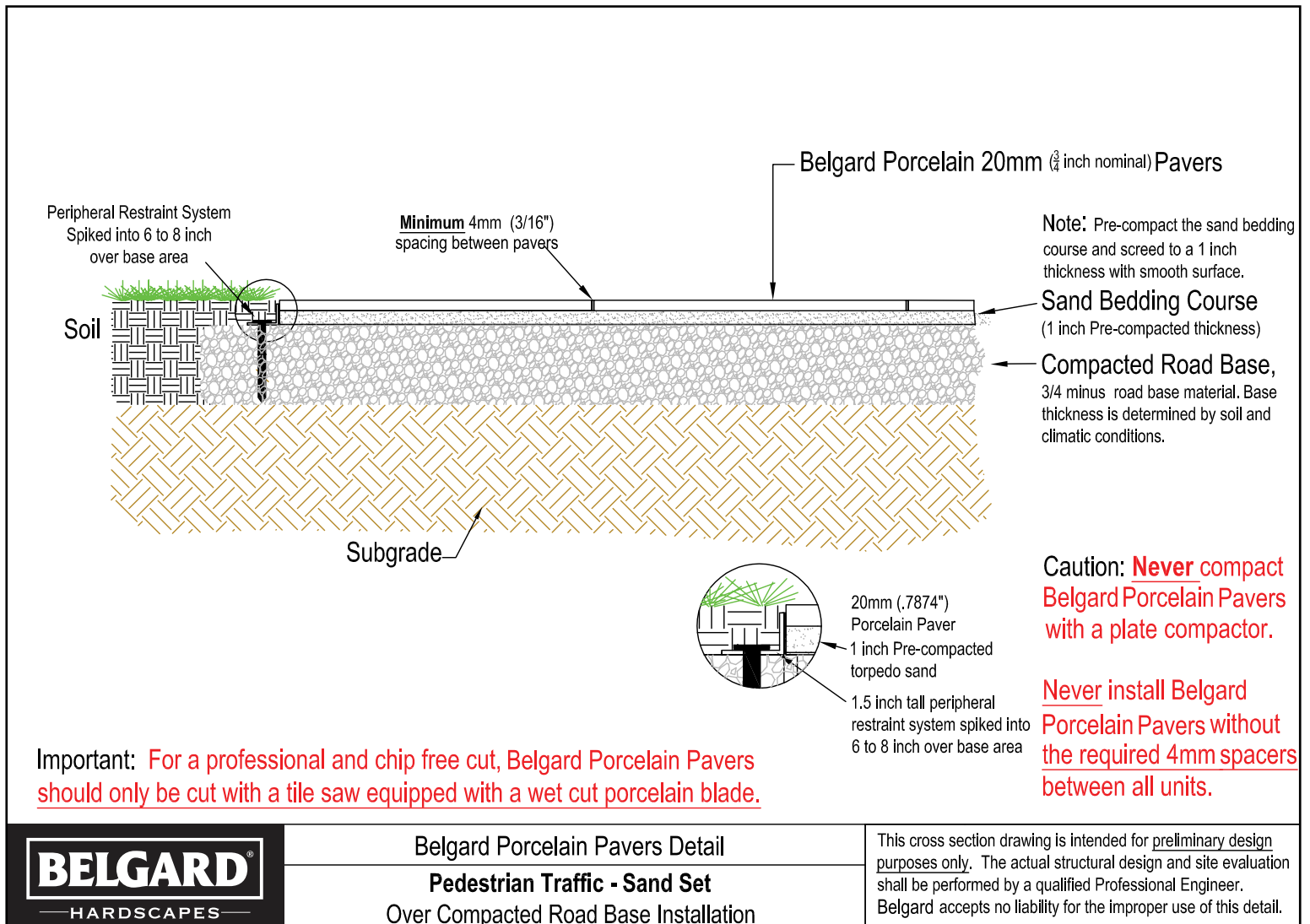


## 1. Sand Set over Compacted Road Base Installation – (Pedestrian Foot Traffic)

### INSTALLATION NOTES:

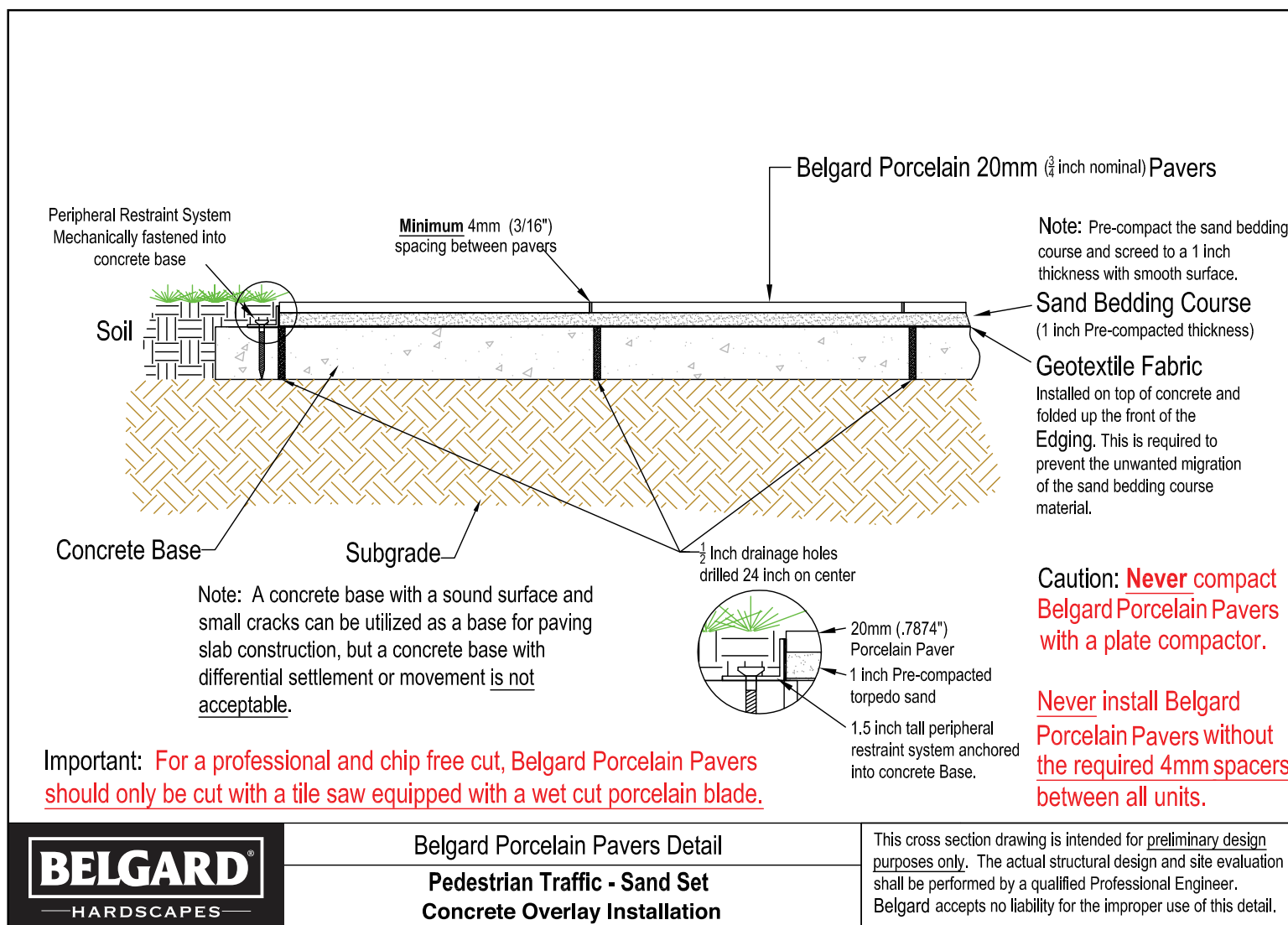
- Follow the detail drawing below.
- Base material is to be over based 6 to 8 inches beyond the edge of the pavement.
- The required edge restraint system is a low profile edge restraint with a vertical height of 1 ½ inches as shown in the drawing.
- Insure that pavement is constructed with a 1 ½ to 2 degree slope that it is pitched away from any building.
- Insure the plastic 4mm spacers are installed at all corners of the installed pavers.



## 2. Sand Set over Concrete Overlay Installation (Pedestrian Foot Traffic)

### INSTALLATION NOTES:

- Follow the detail drawing below.
- The required edge restraint system is a low profile edge restraint with a vertical height of 1 ½ inches as shown in the drawing.
- Mechanically anchor edge restraint into the concrete base.
- Insure geotextile is installed directly on top of the concrete to contain the bedding sand.
- Insure that pavement is constructed with a 1 ½ to 2 degree slope and that it is pitched away from any building.
- Insure the plastic 4mm spacers are installed at all corners of the installed pavers.



### 3. Cementitious Adhesive Overlay, Concrete Base Installation (Light Vehicle Traffic)

**INSTALLATION NOTES:**

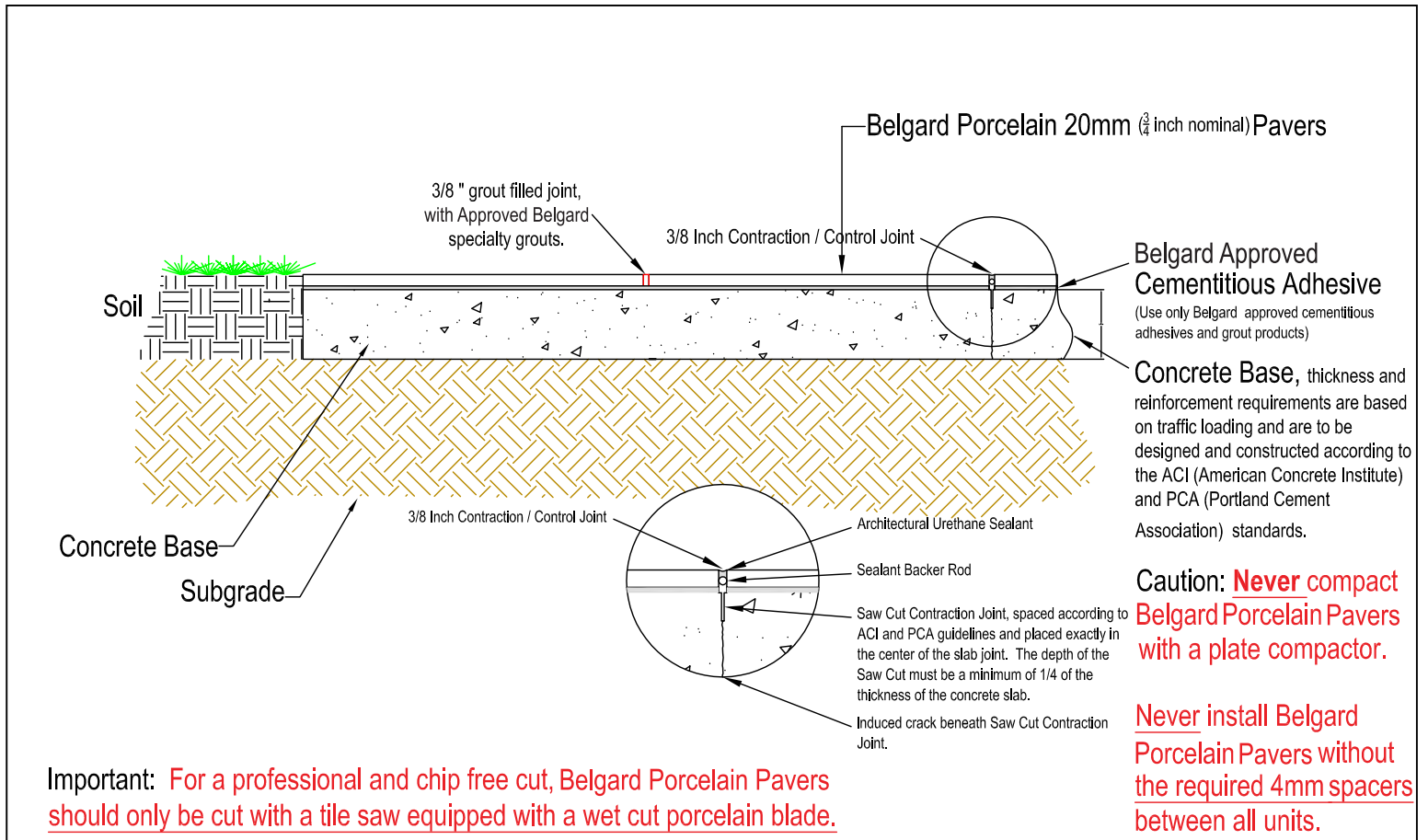
- Follow the detail drawing below.
- Insure that pavement is constructed with a 2 degree pitch and that it is pitched away from any building.
- Referenced approved Cementitious Adhesives. [www.mapei.com/public/US/products/Kerabond\\_T-Keralastic\\_EN\\_lr.pdf](http://www.mapei.com/public/US/products/Kerabond_T-Keralastic_EN_lr.pdf)  
[www.mapei.com/public/US/products/Ultraflex\\_LFT\\_EN\\_lr.pdf](http://www.mapei.com/public/US/products/Ultraflex_LFT_EN_lr.pdf)
- Referenced approved joint grout products. [www.mapei.com/public/US/products/ultracolorplus\\_tds\\_ea.pdf](http://www.mapei.com/public/US/products/ultracolorplus_tds_ea.pdf),  
[www.mapei.com/public/US/products/kerapoxytds\\_ea.pdf](http://www.mapei.com/public/US/products/kerapoxytds_ea.pdf)

For Cementitious adhesive and grout installation, refer to the manufacturer’s technical instructions and specifically as they relate to outdoor installations.

- For concrete foundation slabs that are not large enough to require contraction / control joints, a minimum 4mm (1/8” to 3/16”) grout joint is acceptable, but for larger concrete foundation slabs that do require contraction / control joints, the joint width should be a 3/8”. It is absolutely imperative that all contraction / control joints be located in the joint line of installed porcelain pavers and not beneath a paver.

**CAUTION: If a Porcelain Paver is installed over a control joint, the paver will reflectively crack along the contraction / control joint beneath it.**

- The following contractor installation video shows a cementitious adhesive installation of porcelain pavers. [www.mirage.it/en/floors-and-coverings/evo\\_2e/laying-systems/adhesive-installation/](http://www.mirage.it/en/floors-and-coverings/evo_2e/laying-systems/adhesive-installation/)



**Important:** For a professional and chip free cut, Belgard Porcelain Pavers should only be cut with a tile saw equipped with a wet cut porcelain blade.

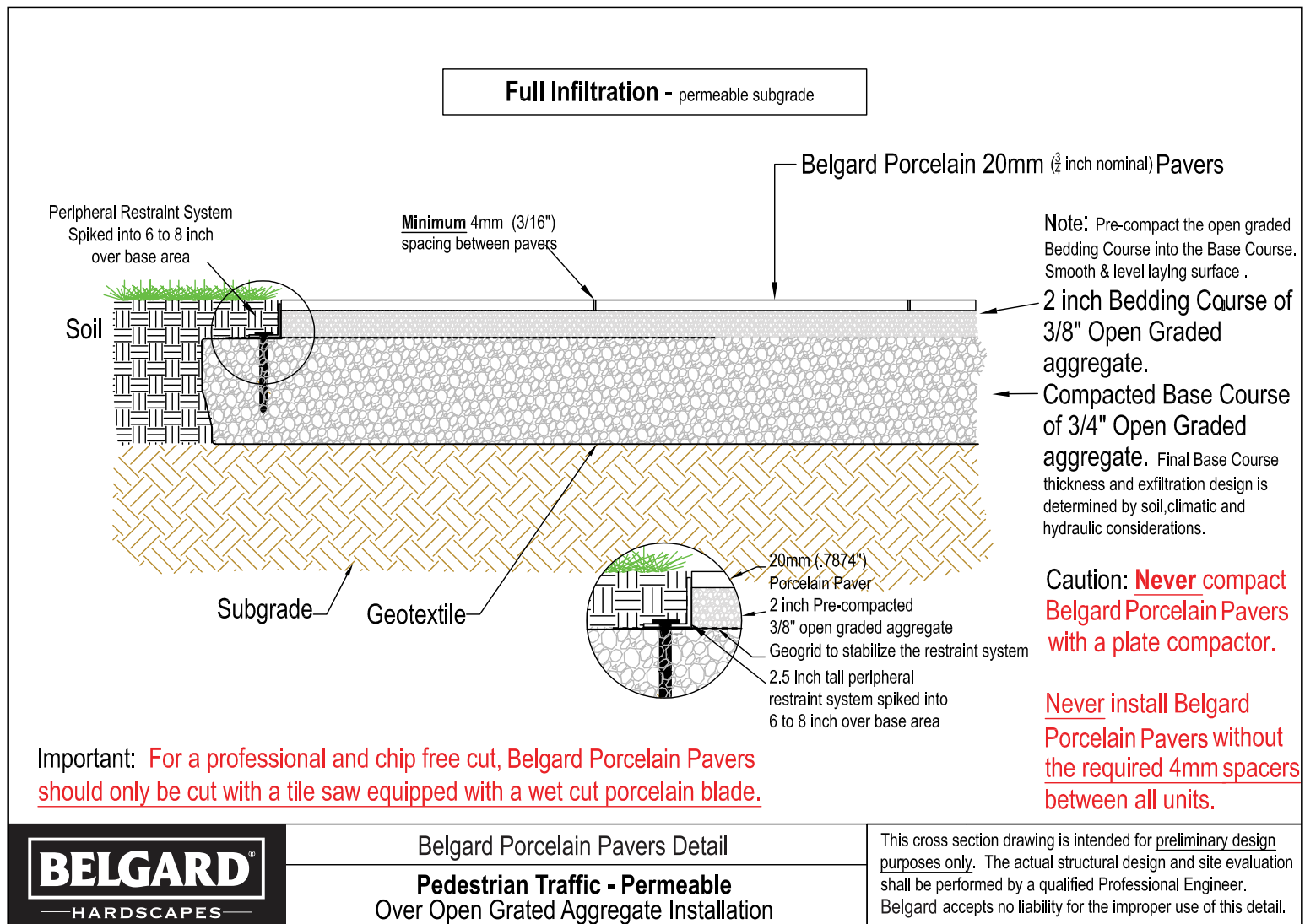
**Caution:** Never compact Belgard Porcelain Pavers with a plate compactor.

**Never install Belgard Porcelain Pavers without the required 4mm spacers between all units.**

## 4. Permeable Over Open Graded Aggregate Installation (Pedestrian Foot Traffic)

### INSTALLATION NOTES:

- Follow the detail drawing below.
- The required edge restraint system for this installation has a vertical height of 2 ½ inches as shown in the drawing. Follow the edge restraint manufacturer's recommendations for the use of their product in permeable applications regarding geogrid usage and placement to maintain the performance of there edging.
- Insure that pavement is constructed with a 2 degree pitch and that it is pitched away from any building.
- Insure the 4mm spacers are installed between all pavers.



## 5. Stepping Stone Sand Set on Compacted Road Base Installation (Pedestrian Foot Traffic)

Soil

Grass cutout areas provide peripheral paver containment

Belgard Porcelain 20mm ( $\frac{3}{4}$  inch nominal) Pavers

Compacted Road Base,  $\frac{3}{4}$  minus road base material. Base thickness is determined by soil and climatic conditions.

Note: Pre-compact the sand bedding course and screed to a 1 inch thickness with smooth surface.

Sand Bedding Course (1 inch Pre-compacted thickness)

Subgrade

Caution: **Never** compact Belgard Porcelain Pavers with a plate compactor.

**Never** install Belgard Porcelain Pavers without the required 4mm spacers between all units.

Important: For a professional and chip free cut, Belgard Porcelain Pavers should only be cut with a tile saw equipped with a wet cut porcelain blade.

	Belgard Porcelain Pavers Detail	This cross section drawing is intended for preliminary design purposes only. The actual structural design and site evaluation shall be performed by a qualified Professional Engineer. Belgard accepts no liability for the improper use of this detail.
	<b>Pedestrian Traffic - Sand Set</b> Over Compacted Road Base Installation	

## 6. 3/4" Fixed Pedestal Installation on Concrete Floor (Pedestrian Foot Traffic)

### INSTALLATION NOTES:

- Follow the detail drawing below.
- Insure that concrete slab is smooth, even across the surface and is constructed with a 2 degree pitch and that it is pitched away from any building.
- Insure the plastic 3/4" pedestal support are installed at all corners of the installed pavers.

