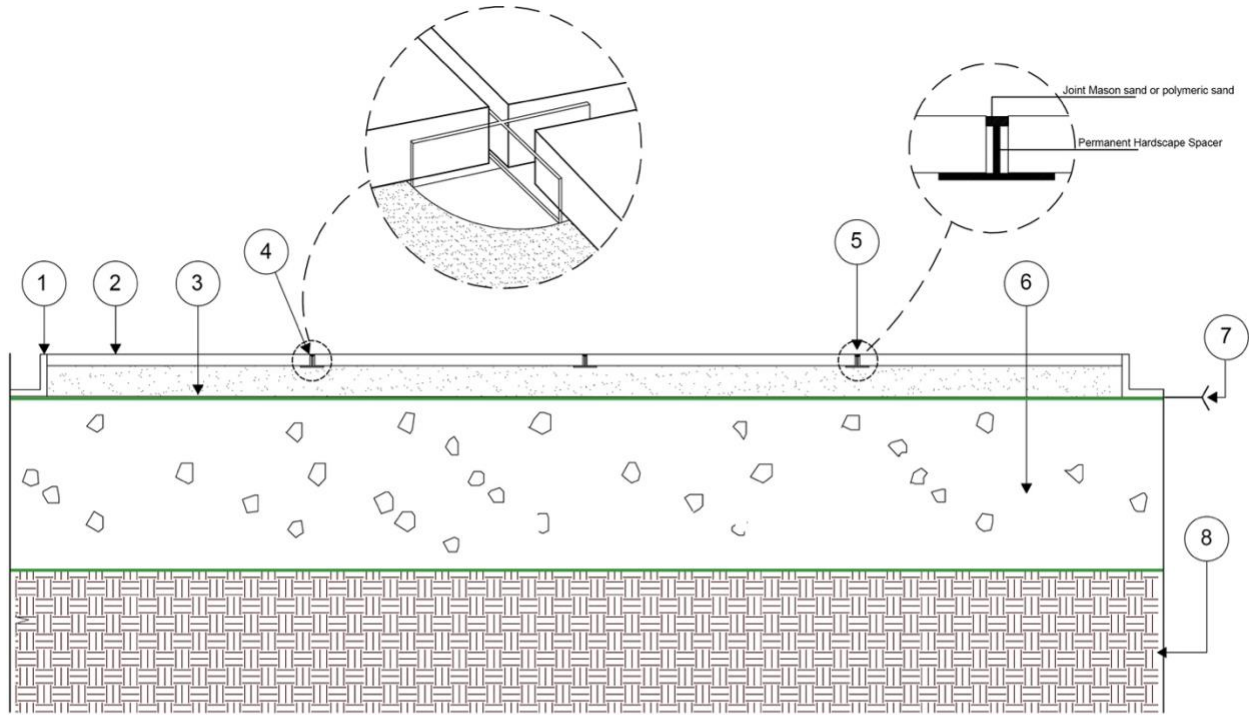


## 3CM VEHICULAR PORCELAIN PAVER INSTALLATION GUIDELINES FOR FREEZE THAW AREAS



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|--|---|
| <ol style="list-style-type: none"> <li>1. Paver Edging. Mortared border piece</li> <li>2. 3cm Porcelain Paver</li> <li>3. 1/2" to 1" #8 stone / or equal</li> <li>4. Permanent Hardscape Spacer</li> <li>5. Polymeric Sand (required)</li> </ol> | <ol style="list-style-type: none"> <li>6. 10' to 12" #57 stone / or equal</li> <li>7. Filter Fabric</li> <li>8. Compacted Subgrade</li> </ol> |
|--|---|

**PLEASE NOTE**

**REQUIRED TOOLS:**

- |  |
|--|
| <ol style="list-style-type: none"> <li>1. Wet Saw</li> <li>2. Continuous Diamond Blade</li> <li>3. Compactor w/ Mat</li> </ol> |
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### SUB-BASE – BASE – SAND BEDDING PREPARATION

ICPI guidelines for open graded installation of concrete paves should be followed for preparation of sub-base, base and sand bedding for installation of Hardscape.com Porcelain Pavers.

## **SUGGESTED PORCELAIN PAVERS SIZE FOR DRY LAY INSTALLATION.**

Hardscape.com suggests that no 3cm porcelain pavers bigger than a 16"x32" in size be used for a dry lay installation, larger sizes may have up and down movement when driven on the edges.

## **SUGGESTED INSTALLATION PATTERNS**

Hardscape.com 3cm Vehicular Porcelain Pavers must be installed using an interlocking pattern in order to avoid lateral and horizontal movement.

## **PERMANENT SPACERS**

When installing Hardscape.com Porcelain Pavers using a dry lay system, permanent spacers **MUST** be used. (drawing number 4)

## **CUTTING HARDSCAPE.COM PORCELAIN PAVERS**

Hardscape.com Porcelain Pavers must be cut using a continuous diamond blade made for cutting porcelain and that it be cut with a table saw using water.

## **PORCELAIN PAVER BORDERS OR BORDERLESS EDGES**

Securing the Porcelain Paver outer perimeter areas is crucial for the functionality of a dry lay installation.

When installing Hardscape.com Porcelain Pavers it is suggested that the ENTIRE width of the border be set on 2" to 3" inches deep of wet cement mix.

When a border is not part of the installation, it is suggested that 24" from the edge of the installed area towards to field be set on 2" to 3" inches deep of wet cement mix.

## **JOINT FILLING FOR DRY LAY INSTALLATION**

### **POLYMERIC SAND – USE 1/8" SPACER**

Polymeric sand is a blend of polymers which harden when subjected to moisture.

Use a squeegee to install the sand into the open joints until completely filled.

Use a roller compactor or a plate compactor with the rubber plate protector to compact the polymeric sand into the joints. This will assure there are no air gaps which could cause the polymeric sand to fail. Once the polymeric sand has settled the joints, re-application will be necessary to fill them. Any excess sand and dust must be swept from the surface. Use a blower for the final dust removal to make certain all excess sand is removed. Any residual sand or dust can result in staining of the surface.

Once the filling of the joints and the cleaning of the surface is complete, mist the pavement with water from the bottom to top of the paved area, this will activate the polymer and cure the mixture turning the Polymeric Sand into a harden flexible sand. Refrain from walking on the paved areas for a minimum of 48 hours.