

## POROUS PAVERS CONSULTATION & INSTALLATION GUIDANCE

### *Consultation*

The consultation is an opportunity to meet with the homeowner, and gather the necessary information to generate a design and estimate for the installation. In your estimate, please list separately information about the portion of the job included within the Rain Check program and any additional work requested by the homeowner. E-mail the estimate to the homeowner and PHS program administrator. Recommended elements for the cost estimate:

1. Summary
  - a. Simple description of area to be paved with porous pavers
  - b. Square footage of area to be paved with porous pavers
  - c. Ability to reuse materials on site (if applicable)
2. Site sketch
  - a. Simple picture of area to be paved, can be hand drawn
3. Labor
  - a. Number of people
  - b. Estimated hours
  - c. Hourly rate(s)
4. Materials
  - a. Pavers (type, quantity, cost, supplier)
  - b. Aggregate (type, quantity, cost, supplier)
  - c. Other
5. Additional costs
  - a. Access to the site
  - b. Estimated quantity and description of removal and disposal of materials from site
  - c. Travel
  - d. Any additional requests from the homeowner

### *Porous Paving Installation*

- Porous paving systems installed under the Rain Check program are to be installed according to guidelines established by the Interlocking Concrete Pavement Institute (ICPI).
- Porous pavers installed through Rain Check are designed to accept direct rainfall only, and generally should not be situated downslope of an impermeable surface.
- Pavers must be of the permeable paver type and must be placed over a clean open-graded crushed stone base with exfiltration to the soil subgrade. At minimum, PWD requires 4 inches of No 57 stone and 2 inches of a bedding course (No 8 stone). Infiltration capacity of the soil subgrade must be determined and sufficient if the paver area will receive runoff from any surrounding contributing impervious drainage areas.
- An impermeable liner must be used when porous pavers abut a wall. After the concrete is removed and dirt is excavated, the subsoil should be graded away from the foundation and then an impermeable liner laid against the foundation 6" below the depth of the bottom of the system or extended two feet under the new patio surface. The water that falls on the pavers in the two feet closest to the wall will be guided to the pervious portion of the installation and then be able to percolate into the subsoil as before.
- The paver style (color, shape, texture, etc) is to be selected in coordination with the customer, however all pavers are to be obtained from ICPI member manufacturers.

- All paver installations including subgrade preparation, site protection, sub-base materials and installation, accessories, and installation shall be per manufacturer's instructions and recommendations.
- Installation of the paver system shall be in accordance with specification Section 32 14 13.19 for Permeable Interlocking Concrete Pavement, available from IPCI. The specification can be found at the following location:  
[http://www.icpi.org/view/documents/search?type=guide\\_spec](http://www.icpi.org/view/documents/search?type=guide_spec)