

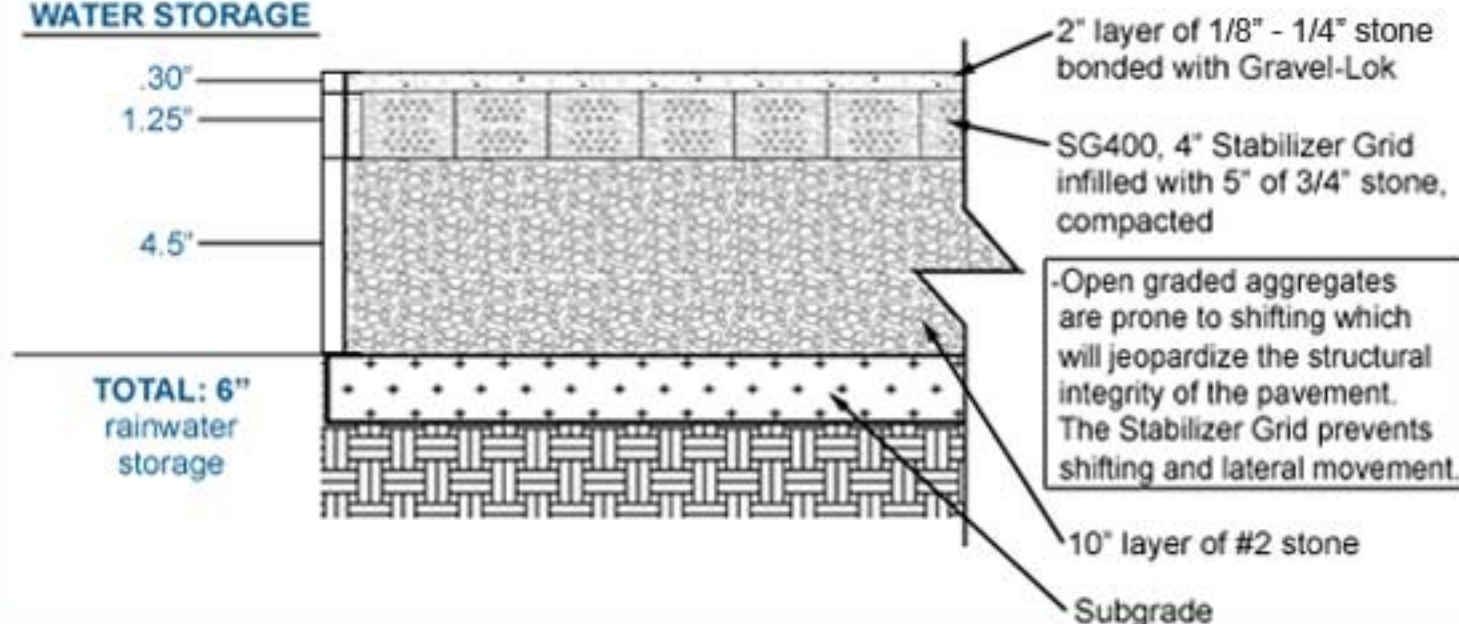
STORMWATER MANAGEMENT

Since the passage of the Clean Water Act, the EPA has worked to preserve, protect and improve the nation's water resources through control of polluted stormwater runoff. Many municipalities now require permeable pavements and the design must include a specific amount of rainwater collection. Stormwater that drains through the surface course is captured in the drainage layer, and infiltrates surrounding soils.

A TYPICAL DESIGN

(Cell-Tek assumes no liability and is not responsible for determining the correct design for any given project. Please consult your local landscape architect or engineer, who has experience designing for stormwater management in your area, for the optimum design)

WATER STORAGE



NOTE: To increase water storage per inch, increase size of stone in base below grid. As a general rule of thumb, refer to the chart below.

STONE SIZE	APPROX. WATER STORAGE
2" stone	40 - 50% water storage (.45" water storage per inch)
1.0 - 1.5" stone	30 - 40% water storage (.35" water storage per inch)
3/4" stone	20 - 30% water storage (.25" water storage per inch)
1/4" stone	10 - 20% water storage (.15" water storage per inch)

How Do I Design for Stormwater Management?

1. Find out your local requirements.
2. Seek advice of a local architect who specializes in stormwater management. They will consider all variables, such as soil permeability, water table, slope, amount and frequency of rainfall. They will also be able to determine whether or not additional drainage is required.