



PERMEABLE PAVEMENT

STORMWATER TREATMENT MEASURE



What is a stormwater treatment measure?

Stormwater treatment measures are engineered systems that remove pollutants from stormwater before it reaches a storm drain, creek, or the San Francisco Bay. These measures are required by the City of Burlingame through the Municipal Regional Stormwater Permit. As an owner of one of more of these measures, the City requires you to perform routine inspections and maintenance actions to ensure that your treatment measures are operating effectively.

Be the solution to water pollution.



Only rain down the drain.

Permeable pavement include pervious concrete, porous asphalt, permeable concrete pavers, and permeable interlocking concrete pavers (PICP). Permeable pavers allow infiltration across the entire surface of the paver while PICP utilize the joint space between the pavers for infiltration. Except for PICP, permeable pavement is generally used for areas with light vehicle loading and/or lightly trafficked areas, such as automobile parking areas. Crushed aggregate is sometimes used as permeable pavement as well.



Pervious concrete



Porous asphalt

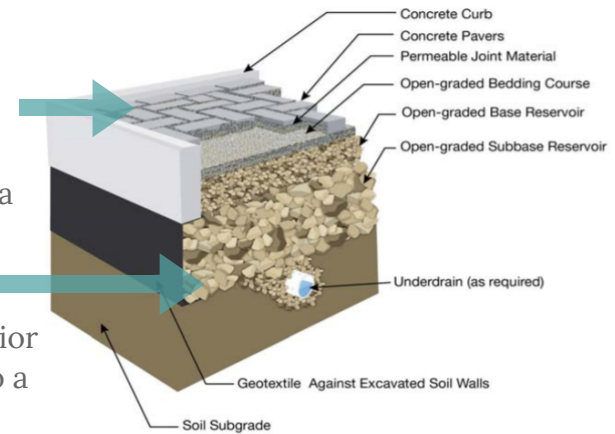


Permeable interlocking concrete pavers

Permeable pavement is comprised of a load-bearing, durable surface constructed over a base structure typically consisting of compacted, open-graded aggregate.

The surface is porous such that water infiltrates across the entire surface of the material, or in the joints, at a high rate.

This layer (or layers) temporarily stores water prior to infiltration or drainage to a controlled outlet.



Source: Interlocking Concrete Pavement Institute

How do I find my stormwater treatment measure?

To find your stormwater treatment measure, locate driveways or walkways on your property. Test if the pavement is pervious, by pouring a bottle of water on it. If water seeps down into the ground, it is permeable pavement.

PERMEABLE PAVEMENT

MAINTENANCE ACTIVITIES

How do I maintain it?

All pervious pavement can become clogged with sediment over time if routine maintenance is not performed. Sources of sediment includes vehicles, eroding soil, leaves, and mulch. Regular surface cleaning will help maintain a high surface permeability and keep out vegetation.

- **Prevent soil from washing or blowing onto the pavement.** Do not store sand, soil, mulch, or other landscaping materials on pervious pavement surfaces.
- **Inspect for any signs of pavement failure** 2-4 times per year. Repair any surface deformations on broken pavers and replace missing joint filler in PICP as needed.
- **Inspect underdrain outlets and cleanouts**, preferably before the wet season and 2-4 times per year. Remove accumulated trash or debris.
- **Check and remove sediment and debris accumulation** on permeable pavement 2-4 times per year.
- **Check for standing water on the pavement surface** within 30 minutes after a rain event. Standing water indicates that restorative cleaning may be required.
- **Remove weeds** from permeable pavement as needed. Do not use pesticides or other chemical applications to control weeds or unwanted growth near pavement or between pavers.
- **Conduct restorative surface cleaning** at least annually; use commercially available regenerative air or vacuum sweeper to remove sediment and debris. Replenish aggregate in PICP joints or grids as needed after restorative surface cleaning.

Annual self-certification

Every year the Stormwater Program will send you a maintenance verification checklist for you to complete, sign, and return to the City. This form is used to verify that necessary maintenance has been completed for your treatment device.

Failure to conduct needed maintenance on all of your stormwater treatment measures may initiate an enforcement investigation or a follow-up inspection.

What do I need to do?

Step 1: Locate all of your stormwater treatment measures.

Step 2: Inspect and maintain your stormwater treatment measures.

Step 3: Take photos of your stormwater treatment measures.

Step 4: Submit your completed maintenance verification checklist and photos to the City.



Stormwater Program
stormwater@burlingame.org
650-558-7381
www.burlingame.org/stormwaterdevelopment

Submit by email:
stormwater@burlingame.org

Submit by mail:
Public Works Department
501 Primrose Road, Burlingame, CA 94010