

The Industrial Splashpad:

US Patent No. 7,052,212

Manufacturing and industrial facilities, with their large impermeable roof areas, generate large volumes of roof runoff. Since such buildings tend also to be quite tall, the high eaves can create high pressures at the bottom of the downspout. For example, a downspout flowing full on a building with a 21' eave height can create a pressure of 10 pounds per square inch at the base of the downspout outlet (equivalent to 1,440 lbs/sf of pressure).

The Problem:

These large volumes and heads both erode the soil and place large volumes of water at the foundation where the water can saturate the subgrade. To dissipate the energy and prevent this problem, engineers will often design underground collection systems to capture the runoff and divert it way from the building. However, these roof drainage systems are expensive and there is not always a nearby outfall where the pipe can be daylighted.



**SCOURING
EROSION
UNDERMINING
FOUNDATION**

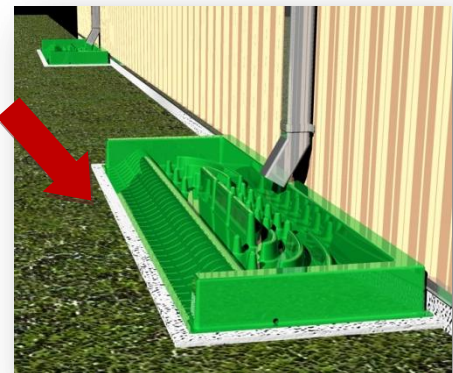


The Solution:

Now there's an alternative... one that both kills the energy in the falling water *and* reduces the rate of flow to rates manageable by the downstream lawn. Designed by engineers, the *Industrial Splashpad* is the solution.



**SCOURING
EROSION
UNDERMINING
FOUNDATION**



The Industrial Splashpad:

- Prevents erosion by providing a level spreader to release runoff at shallow, non-erosive velocities
- Eliminates the need for an expensive underground collection system
- Minimizes the potential for weakening foundation subgrade by directing it away from the foundation
- Designed with variable lengths enabling customization of pad to handle varied flow rates.
- Designed with drain ports (weep holes) to eliminate standing water (required by some local governments for mosquito control).
- Approved by NCDENR Division of Water Quality for use based on engineer's design

SEE THE INDUSTRIAL SPLASHPAD AT WORK!

<http://www.YouTube.com/watch?v=aXc7Nl6d0Yk>