

BMP Project Fact Sheet

Depressed Lawn Retention Basin

- **Location:** Hawthorne Ambulance Corp., Hawthorne, Passaic County, New Jersey
- **Project:** A 6"-8" depressed lawn designed to retain runoff from roof and parking lot of Hawthorne Ambulance Corp.
- **Objective:** Address DEP's Stormwater Management Regulation both in terms of runoff quantity and quality.

The retention system receives runoff from 35,000± square feet area including 29,340 square feet of roof and pavement.

The system has been in operation since 2005 with no maintenance other than grass mowing. It has been fully retaining the runoff from the area tributary thereof and allows it to infiltrate into the ground.

The depressed lawn was proposed and designed by Hormoz Pazwash, Ph.D., P.E. of Boswell Engineering as an alternative to a detention and water quality system to address the stormwater management requirements for the site. It saved over 5,000 cubic feet of underground detention system and a 1,000 cubic feet of sand filter chambers.

Hormoz Pazwash can be contacted for a more detailed project summary, monitoring data, or questions/comments at hpazwash@boswellengineering.com.



Did you know...

There are simple low-cost best management practices available that improve the quantity and quality of runoff from a developed site.

Contact Information

Borough of Hawthorne
445 Lafayette Ave
Hawthorne, New Jersey 07506
973-427-5555
973-427-2320 Fax

