



Office Complex Environmental Retrofit Project
Stormwater management through rain garden and pervious pavement

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In November, the FUND for Lake George started an environmental retrofit project to improve stormwater management. Once completed this site will produce no stormwater.

The pictures show a site almost entirely covered by asphalt surface and buildings.





On the Birch Ave side of the FUND's office, a 5 foot strip of pervious pavement is being installed. This pervious pavement will capture all stormwater runoff from the building and parking area along Birch Ave and infiltrate it.

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The asphalt parking lot was cut and trench dug. This trench had fabric placed on the sides and was filled and compacted with gravel to underline the pervious pavement.

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Compacting the gravel in the trench. Note filter fabric on sides to prevent sidewall sand from mixing with the gravel.


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Pervious pavement is now completed. Pavement material is several inches thick, made partially of recycled tires, allows for water to flow through it. This strip of pervious pavement will infiltrate all stormwater from the building roof and parking lot. No stormwater will exit the site.

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Along Route 9, the FUND is building a rain garden, where stormwater from the parking lot and buildings will be collected and infiltrated.



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Three drywells will work in concert with the rain garden. These will collect, store and filter excess stormwater at times of heavy rainfall.





The rain garden is now completed. The rain garden will infiltrate all stormwater from the building roofs and parking lot. No stormwater will exit the property.

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The rain garden has been planted with native species including winterberry, pin oak, serviceberry, hobblebush, red-osier dogwood, mountain laurel, azalea, black elderberry, snowberry, shrubby cinquefoil, arrow wood, American cranberry bush, among others. The FUND and Waterkeeper will continue to test which native species grow the best in a rain garden.

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