

Low-Impact Development Techniques for Stormwater Management at Devens



Total Traditional Project Cost: \$1,004,000

LID Reduced site paving -\$32,000

LID Reduced curbing -\$50,000

LID Reduced stormwater piping -\$14,000

LID Reduced stormwater structures -\$68,000

LID Increased landscaping +\$12,000

LID Increased site preparation +\$10,000

LID Increased soil mix +\$18,000

Total Estimated LID Savings: -\$124,000 (12%)



Apex bio-filtration landscape islands (Phase 1)



Apex bio-filtration landscape islands (Phase 2)

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Greening Infrastructure Upgrades

- Vegetated roadside swales
- Micro-basins (local recharge)
- Native wildflower and grasses (low maintenance, increased infiltration)



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Evergreen Solar bio-filtration landscape islands



Natural open drainage vs. piping and catch basins



Devens Common underground infiltration systems



Devens Common cisterns collecting roof runoff