



THE GREENING OF A COMMUNITY

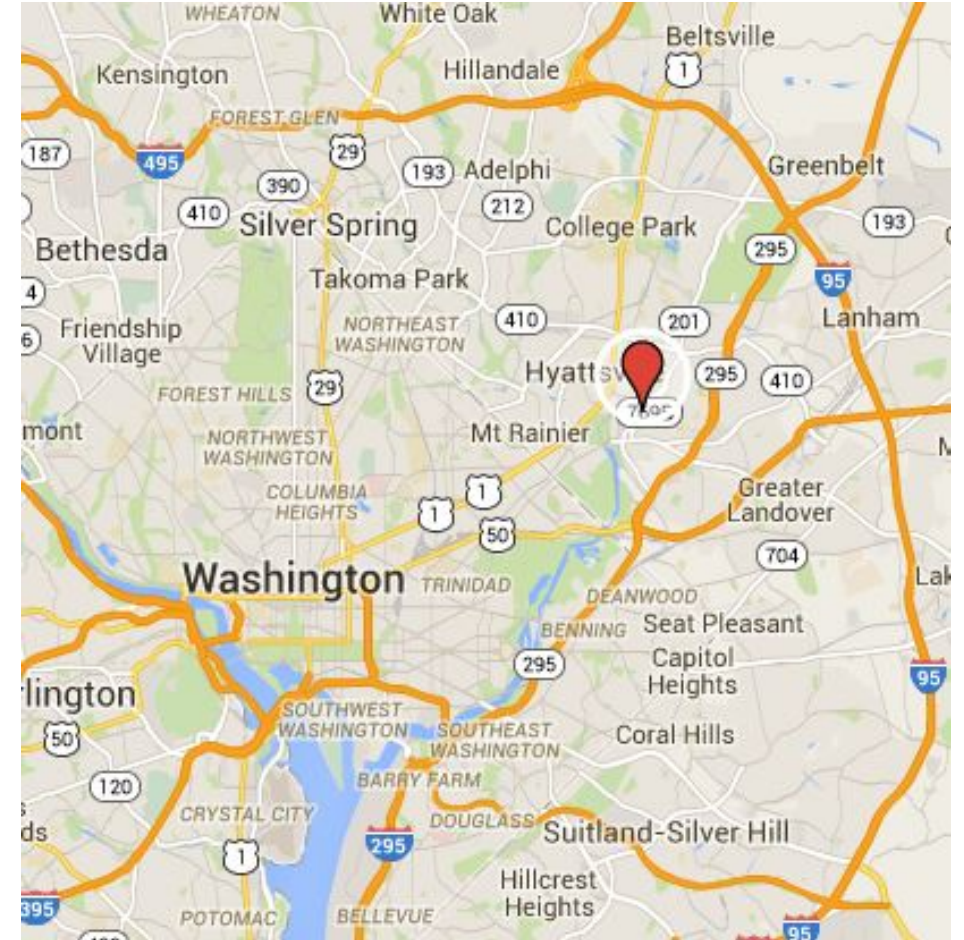
Tracy R. Gant, Mayor
Town of Edmonston, Maryland

New Partners for Smart Growth
Conference
January 28-31, 2015
Baltimore, Maryland



About Edmonston

- Town in Prince George's County, MD
- Population 1,445 (2010) As of the 2010 census, the town population was 1,445
- Located 2.5 miles (4.0 km) from Washington D.C.
- Located on the Anacostia River tributary
- Diverse, working class community





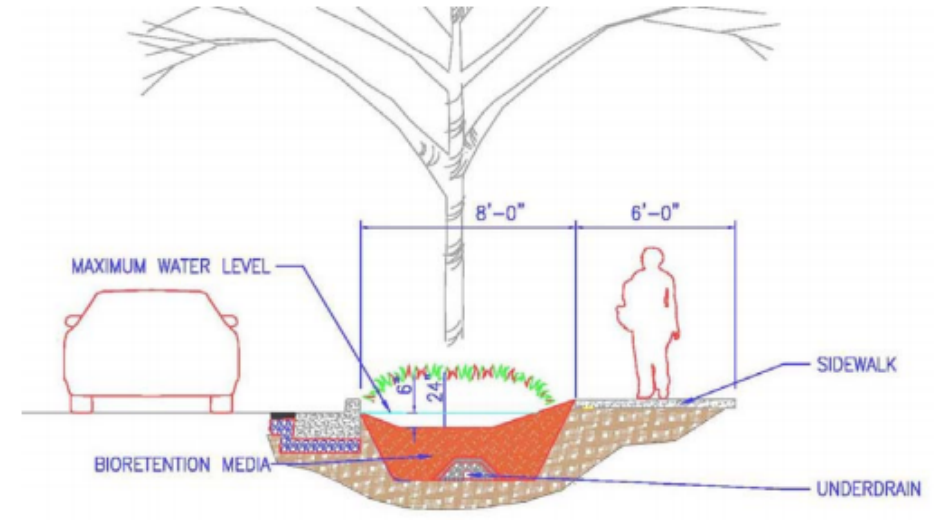
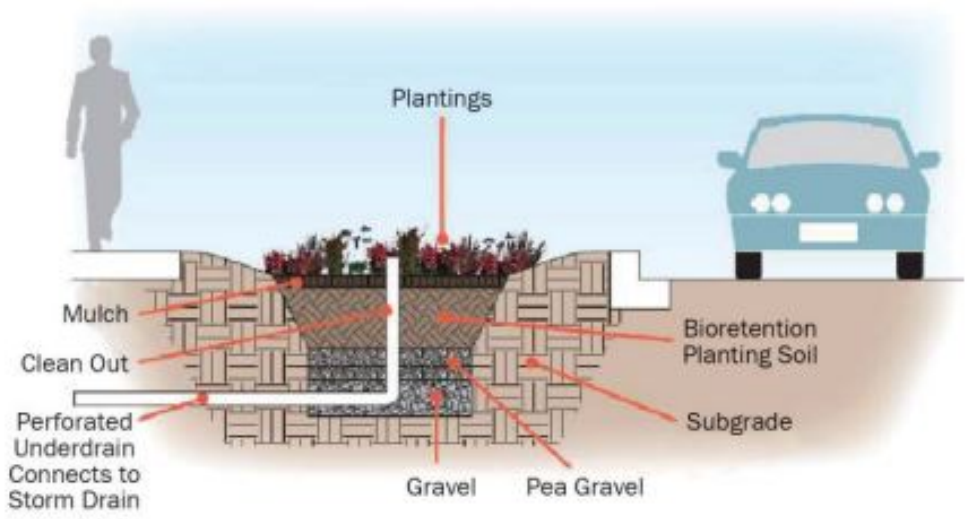
Green Streets: A Primer



Figure 2.1: Three-Dimensional View of a Stormwater Planter



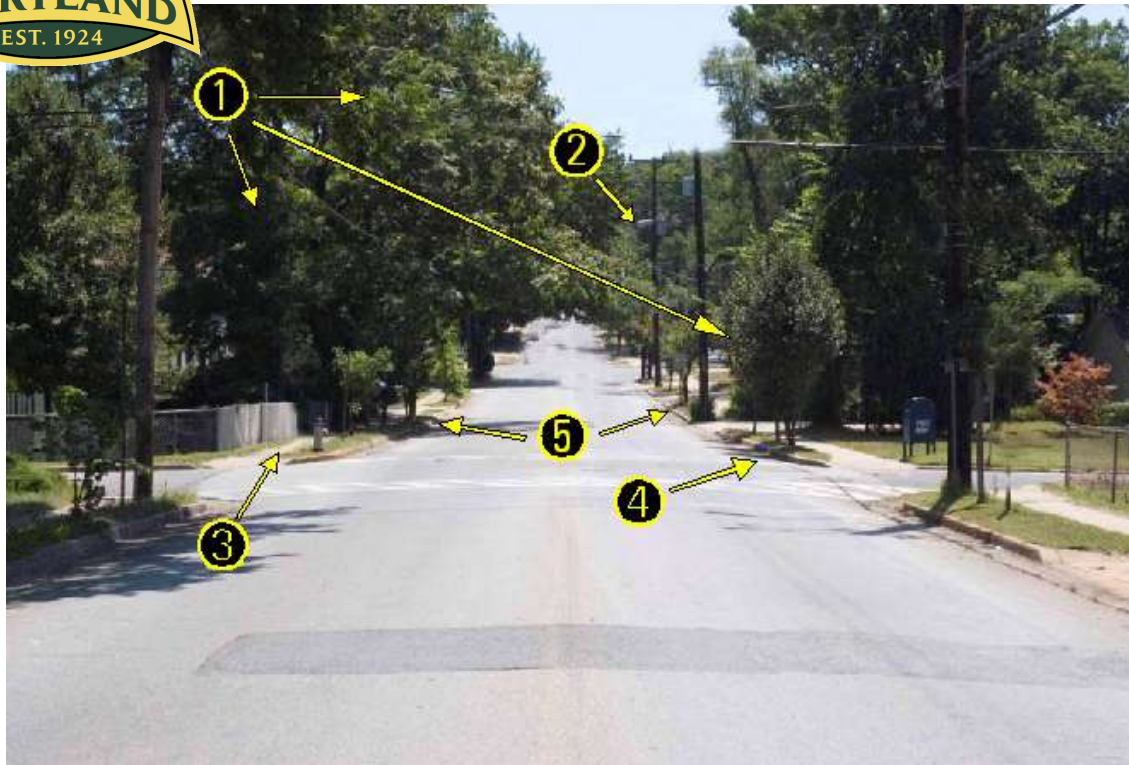
Bioretention Garden



Photos from: Edmonston, MD, Montgomery County (MD), and Philadelphia (PA) Green Streets Brochures and Manuals



The Opportunity





Project Goals

- Capture storm water to reduce pollution
- Reduce Flooding
- Encourage green economic development
- Improve Tree Canopy
- Slow traffic
- Create a safe and pleasant environment for pedestrians and bicyclists





Green Use Transfer



4700 Block of Decatur Street, looking East



Design Options



- Traffic Calming
- Shorten Pedestrian Crossing
- Reduce Impervious Areas
- Expanded Planting Strips
- Bioretention
- Healthy Tree Plantings



Permeable Pavement Design

- Balance requirements for motor vehicle travel with other project goals
- Use of permeable pavement for bike lane (on narrowed streets)
- Permeable pavement can be more expensive





Bioretention Cells

- Small, landscaped basins that reduce stormwater runoff
- Designed to treat polluted stormwater runoff
- Also referred to as rain gardens





Street Trees

- Utilize native species
- Co-Benefits include:
 - Intercepting rainfall before it becomes polluted runoff
 - Reducing urban heat island effect
 - Placemaking
 - Provide shade for physical activity



Wind-Powered Lighting





How We Did It

- Community Involvement (Green Team)
- Seed Funding
- Leadership
- Local Partners







Key Partners

- Seed funding and Administration – The Chesapeake Bay Trust
- Environmental Engineering: The Low Impact Development Center (Beltsville, MD)
- ARRA Support: US EPA, Region III, Maryland Department of Environment
- Landscape Design: Neighborhood Design Center (Riverdale Park, MD)
- General Engineering: G&C Consultants (Beltsville, MD)
- Green Energy Provider/Broker: Clean Currents (Rockville, MD)
- Contractor: VMP Construction (Lanham, MD)



Project Cost

Federal Funds \$1,100,000

Other Funds 25,000

Local Funds 100,000

TOTAL COST \$1,225,000



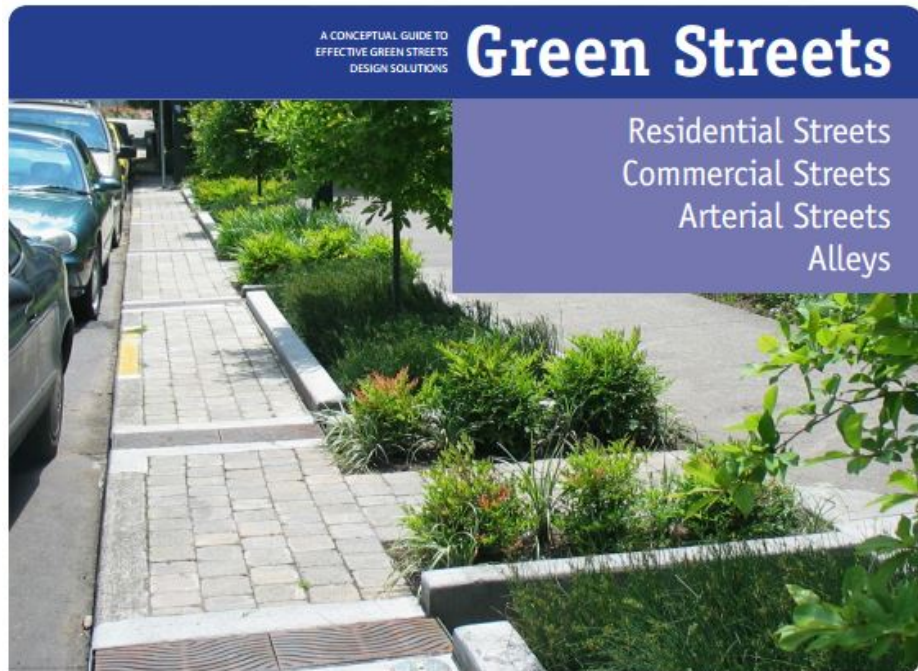
Lessons Learned

- Sustainability= Responsibility
 - Sustainability is Achievable
 - Leaders Must Lead
 - Must End False Divisions
 - Align (Policies-Agencies-Localities)
 - “Best Practices” to Common Practices
-
- Buy In
 - All benefit
 - Insiders and Outsiders
 - Ownership
 - Budget --test the area
 - Budget-- maintenance



Resources for Interested Communities

- [US EPA Municipal Green Streets Manual](#)
- [US EPA Effective Green Streets Design Solutions](#)
- [Low Impact Development Center](#)



- **Potential Partners:**
 - State Departments of Environment
 - Local Environmental Organizations
 - Environmental Funders
 - For larger cities and counties: Utilities Departments, Public Works, Parks Departments, Streets Departments, Planning Department





Contact

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