Commercial Retrofit Examples

Central Park Development
Stafford County, VA
• “Proof of Theory”
• Cost Assessments Done
• Simple re-designs
• Water Quality Enhancement (0.5” runoff)
• Note: Cost Data outdated and invalid
Cost Differences

• Net Change in Cost ranged from:
  \((\$ 5700.00) - \$ 9000.00\)

• Note that costs would likely be significantly greater based on our experience

• Design Cost Multiplier (3-4X)

• Construction Cost Multiplier (3-9x)

• COSTS ARE IMPORTANT !!!!!
Costs of Typical Practices

- Biofiltration: $10-25/s.f. (c.f.)
  (typically 20)
- Infiltration: $5-7/c.f.
- Soil Amendments: $2.50-4.00/s.f.
- Landscaping: $5000+/developed acre
  (e.g. 15-ac commercial site - $80K
  $1.50/s.f. landscaping)
- Engineered Soils: $45/cy
- Rain-barrels: $200-300/50 gal.
  ($30-50/c.f.)