

RESTON TRANSIT STATION AREAS: STORMWATER MANAGEMENT GUIDANCE IN DRAFT PLAN TEXT

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Background

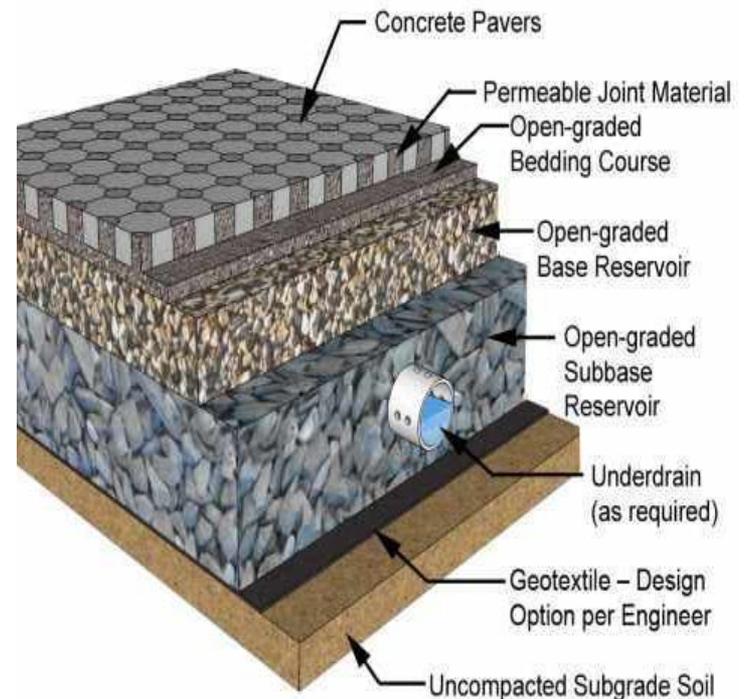
- Development of template/prototype language for other Area Plan studies--2010
- Opportunities to improve upon past stormwater management practices through redevelopment
- Need for integration of stormwater management practices within development design at conceptual level



Herrity Building Garage--Vegetated Roof

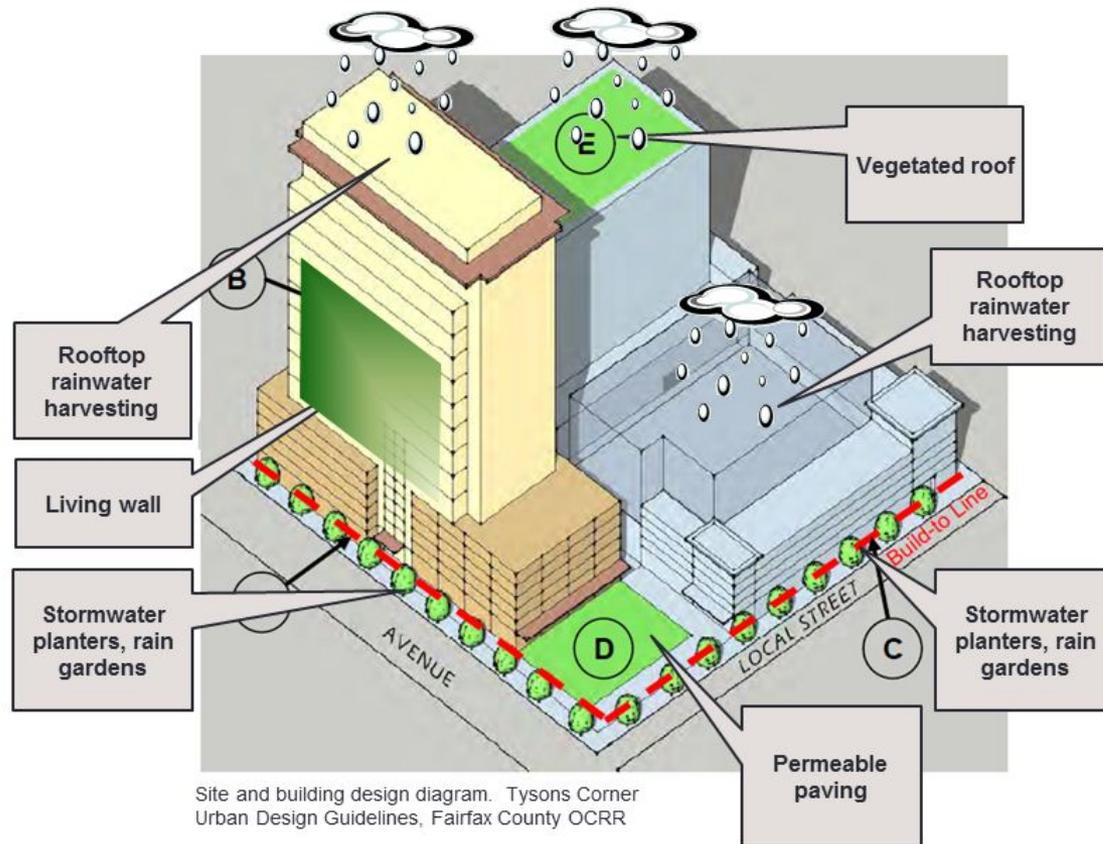
Better Site Design/ Low Impact Development

- Attempt to replicate natural hydrologic conditions—reduce adverse downstream impacts
 - Reduce impervious cover
 - Reduce stormwater runoff volumes and peak flows through infiltration, evapotranspiration and/or reuse
 - Water quality improvement



SOURCE: Virginia DCR

Example stormwater management strategies for high intensity developments



Development of Stormwater Management Text

- Earlier emphasis on LID and attainment of LEED stormwater design credits
- Refined in light of recent changes
 - State stormwater regulations
 - LEED changes
- Consideration of complexity



Rain garden in front of City Hall in Brisbane, CA.
Photo: San Mateo County

Draft Stormwater Management Text

- Introductory text emphasizing LID and consideration early in project design
- Guidelines applicable to projects above a threshold intensity (1.0 FAR)—Several options
 - Stormwater quantity and quality performance targets
 - Rainwater Management credit from LEED
 - Optimize stormwater management efforts consistent with watershed management plans