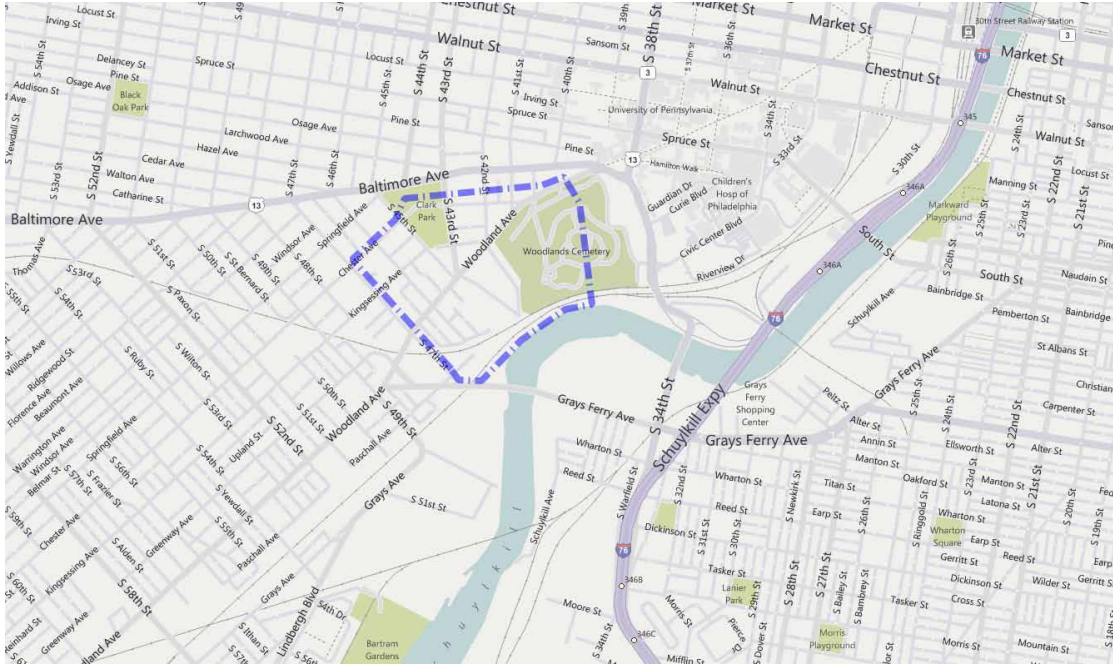


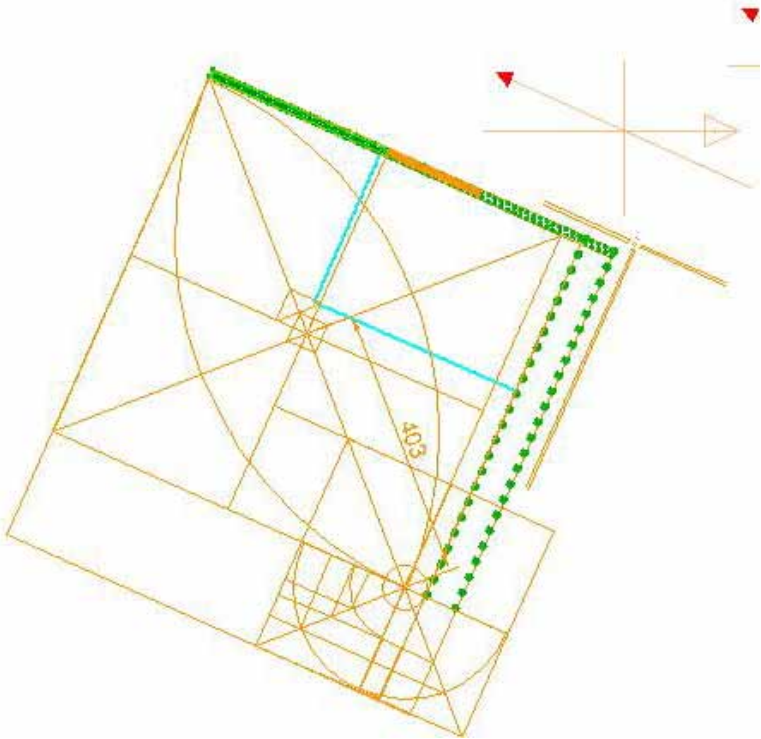
# Woodland Avenue

Philadelphia, PA



# Woodland Transect

Schematic Design  
Integrating Sites for  
Stormwater Management





# Woodland Avenue

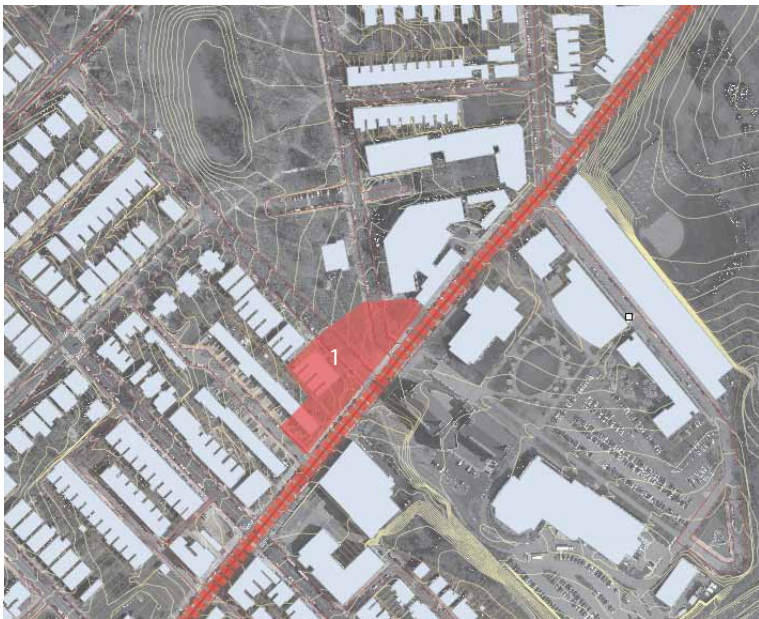
Philadelphia, PA

Site 1: Woodland Avenue @ 43rd Street

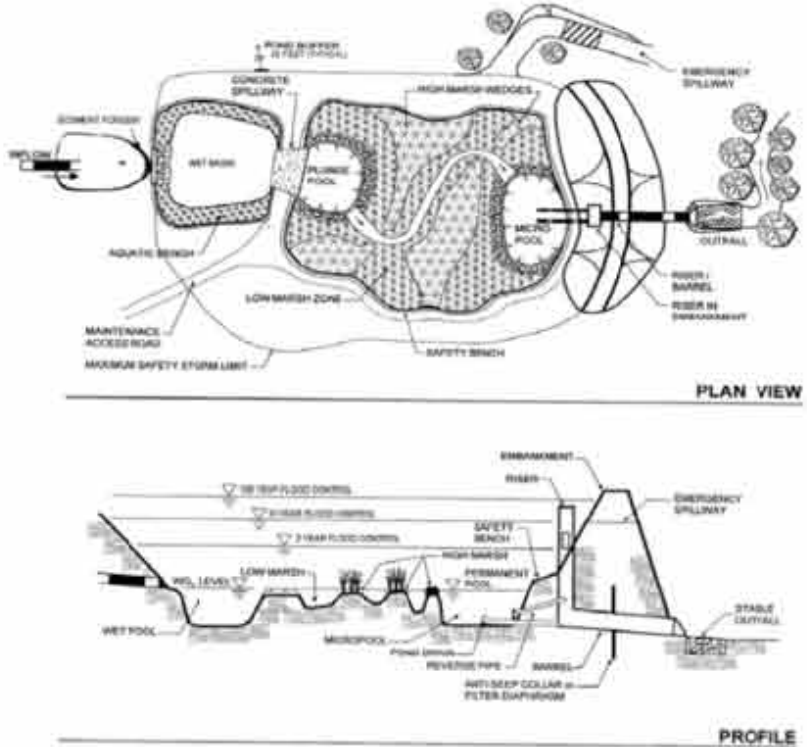
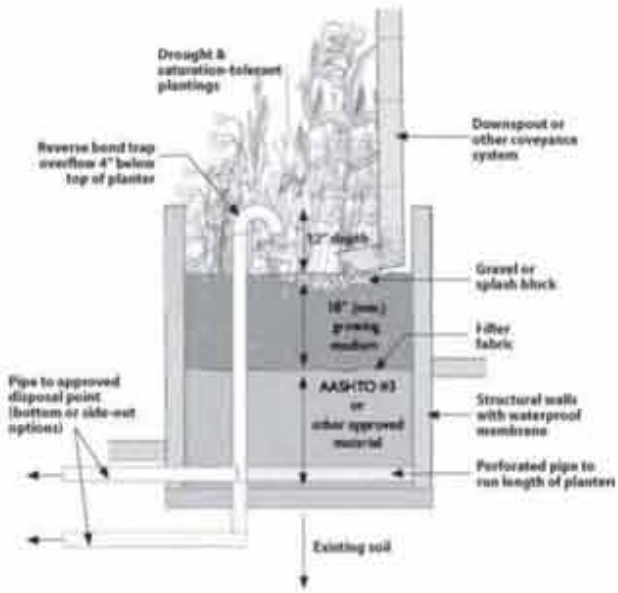
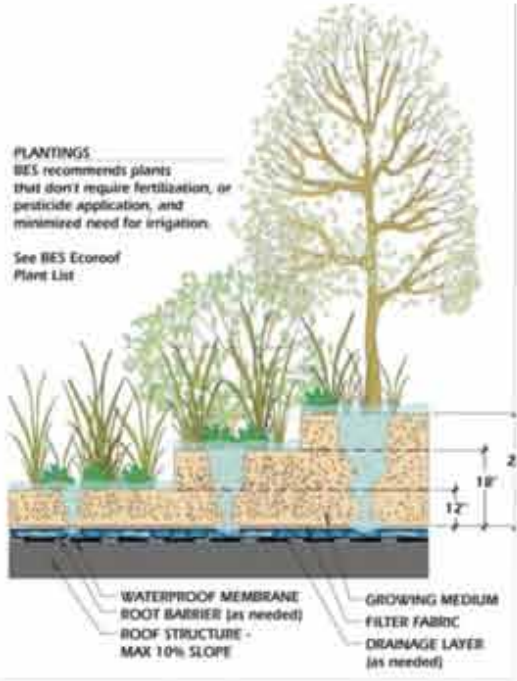
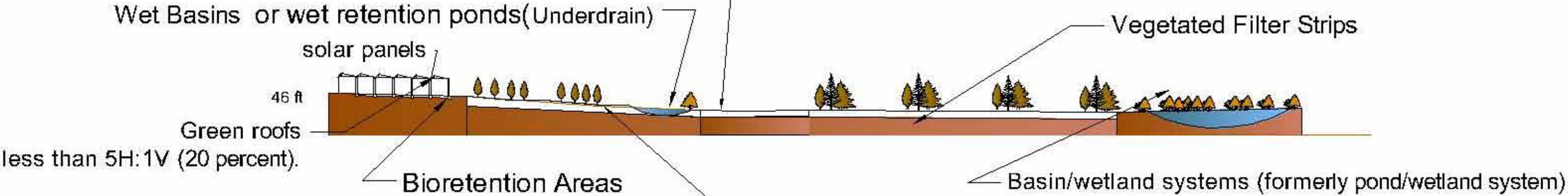
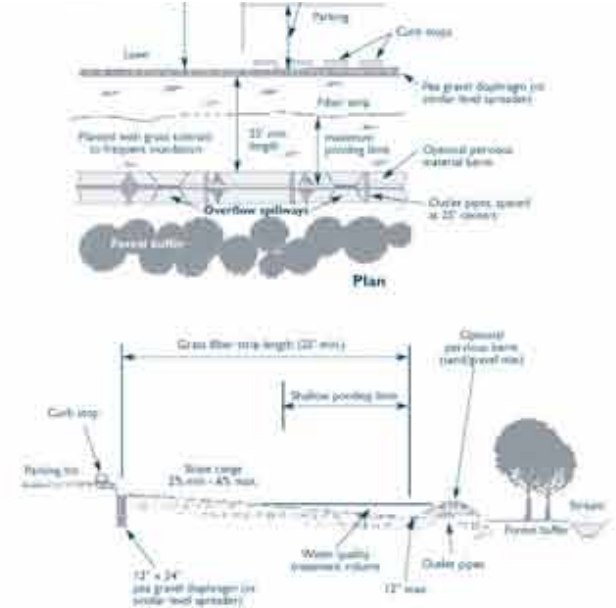
Strategy:

Channel and separate stormwater runoff from streetscape

Incorporate underutilized edge of Clark Park for water detention



Subsurface Structures





# Woodland Avenue

Philadelphia, PA

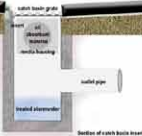
Site 2: University of Sciences

Strategy:  
Introduce pervious surfaces  
Landscaping that allows for water detention



source: Portland Green Streets

- Connect planters for greater capacity and/or to convey overflows to receiving drainage system
- Locate planters at end of parking aisles
- Overflow inlet system
- Curb cuts

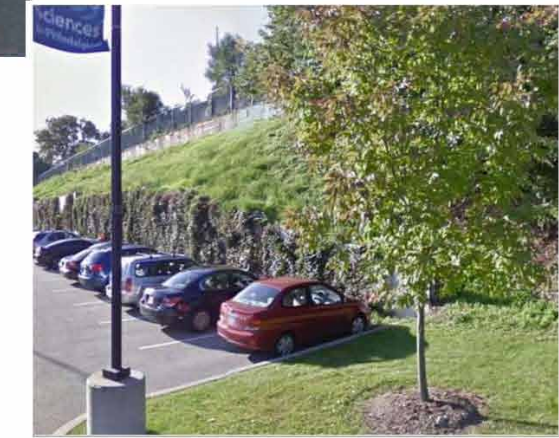
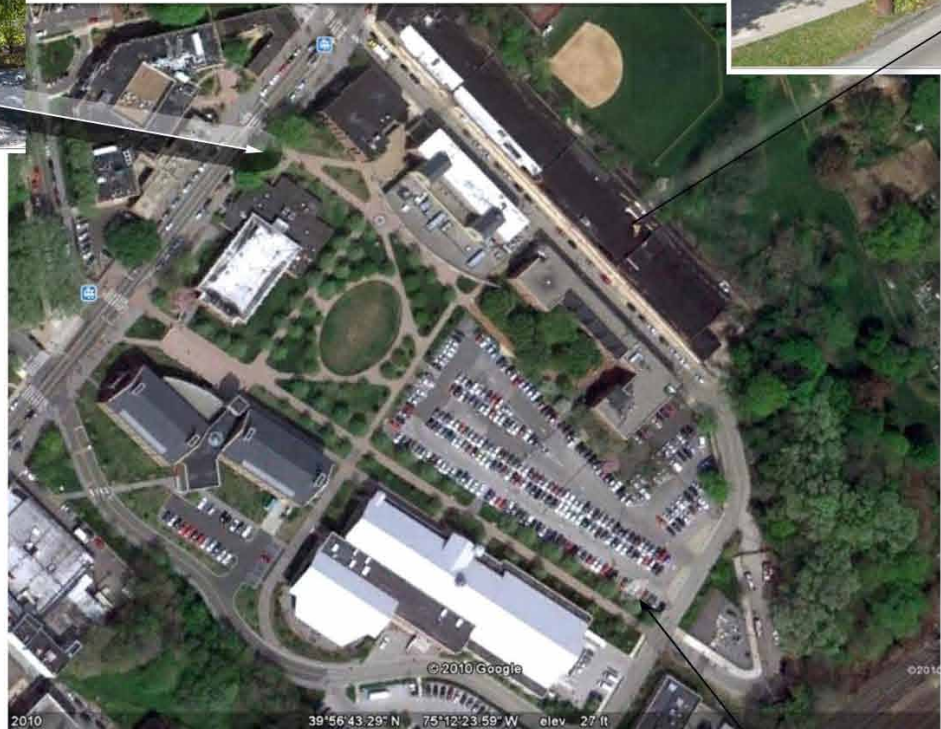
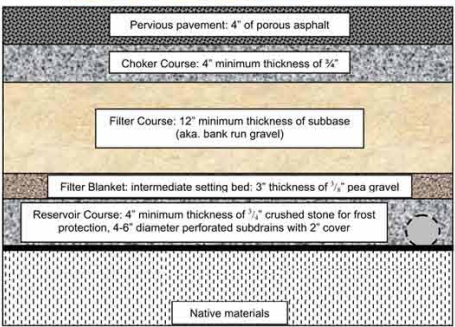
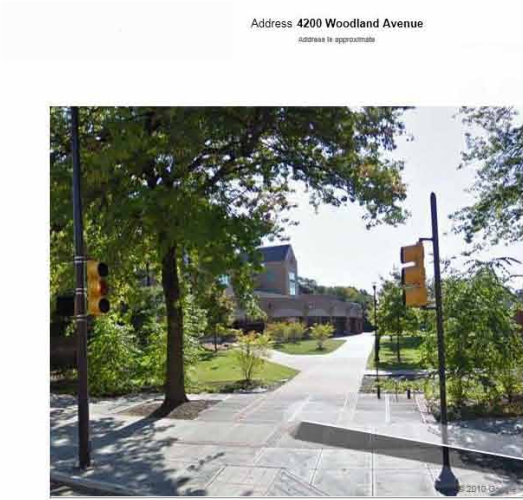
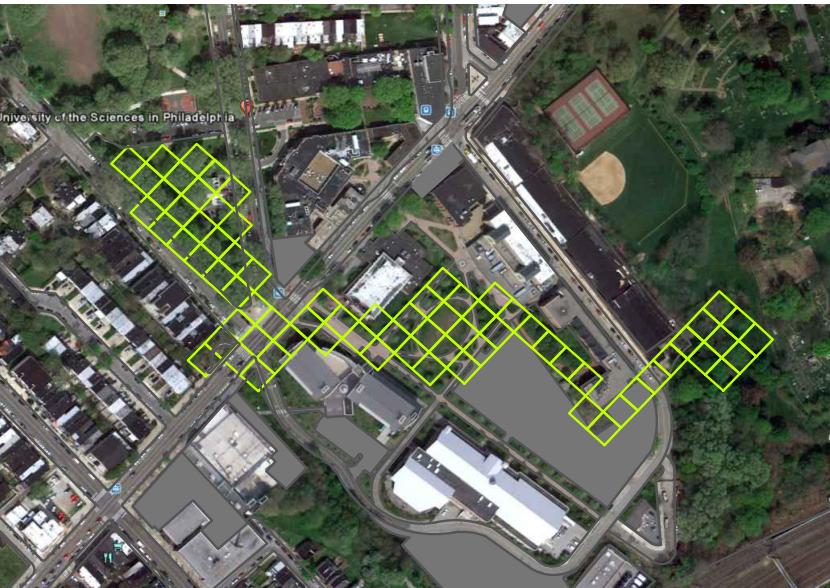




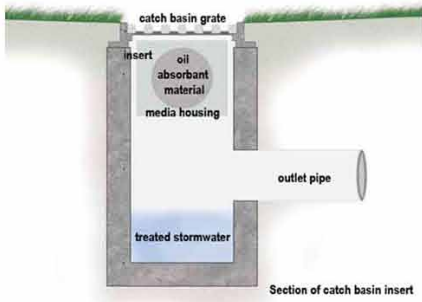
# Woodland Avenue

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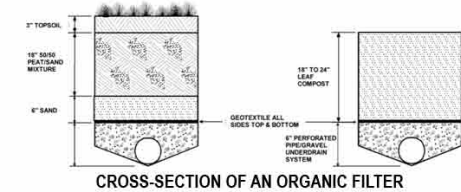
Site 2: University of the Sciences  
additional BMPs



Tree Box Filter



Catch Basin Inserts



Sand & Organic Filters



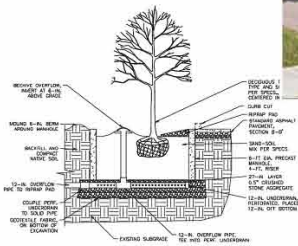
Vegetated Filter Strips



Drainage Channels



Proprietary Media Filters





# Woodland Avenue

Philadelphia, PA

Site 3: 42nd Street edge & Woodlands Cemetary

Strategy:

Highlight existing topographical features

Create Access stairs to river view point

Link Woodlands & USP campus

