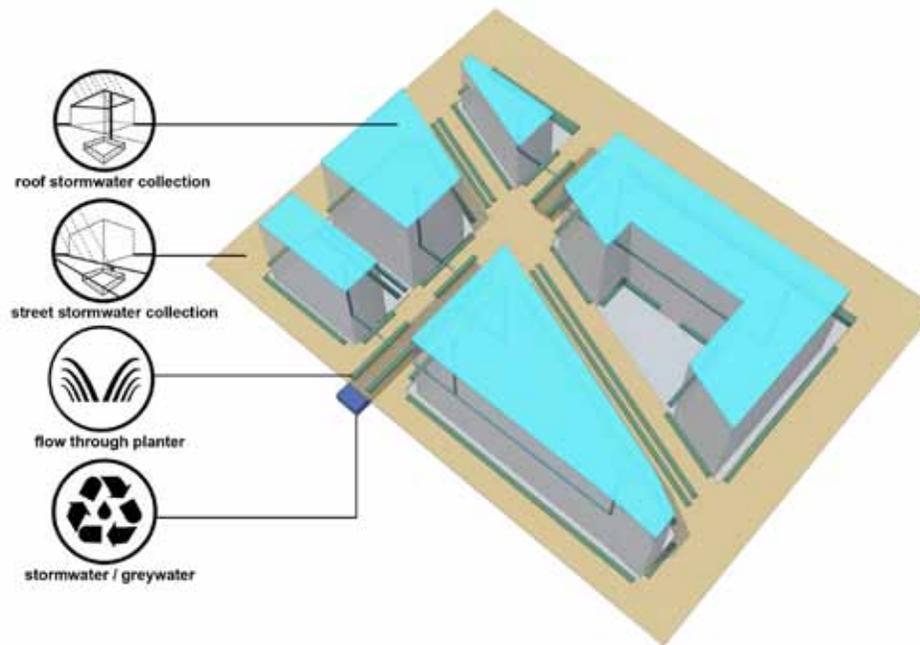


RECOMMENDATIONS

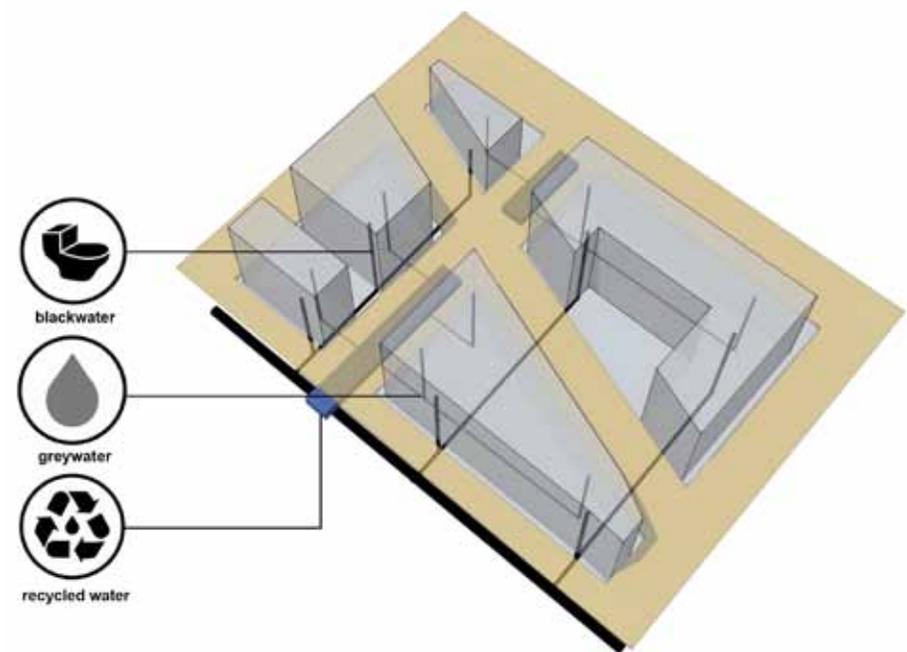


BLOCK-SCALE WATER COLLECTION SYSTEMS

BLOCK-SCALE

A key strategy in reducing stormwater run off is to collect it for reuse. Here, a block or group of blocks share a stormwater system to clean and then conveys stormwater to a storage tank for reuse. Our modeling at the block scale indicates that the project can maximize the capture and reuse of naturally occurring rain and the treatment of waste water leaving the district.

- › **ROOF STORMWATER** - Collect rain water from building rooftops and send to the district-scale water system.
- › **STREET STORMWATER** - Collect stormwater runoff from streets/plazas and send to district-scale water system.
- › **FLOW THROUGH PLANTERS** - When possible, pre-treat as much stormwater in vegetated flow-through planters prior to sending to district-scale water system.



BLOCK-SCALE WASTE WATER SYSTEMS

- › **RECYCLED STORMWATER/GREYWATER** - Reuse collected stormwater/ greywater for all non-potable water needs and landscaping.
- › **WASTE WATER** - Solids captured from waste water could ultimately reduce the Ecodistrict's greenhouse gas emissions while providing alternative energy source through anaerobic digestion. It is not technically or financially feasible to do this in the near future in the Ecodistrict. The solids in waste water will continue to be pumped to the DC Water treatment plant. The anaerobic digestion facility that DC Water is building will make a regionally scaled process that is effective in capturing its latent energy resulting in usable fertilizer and a low carbon energy source.