

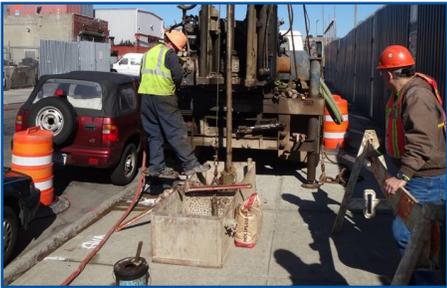
GREEN INFRASTRUCTURE IS COMING TO NYC!

The New York City Department of Environmental Protection (DEP) is implementing the Green Infrastructure (GI) Program in priority combined sewer areas. GI practices include Right-of-way Bioswales and Stormwater Greenstreets. You may notice the following activities during the green infrastructure design and construction process. The following steps are typical activities you may see on your block. For more information, or to find out if your neighborhood is in a priority combined sewer area, visit nyc.gov/dep.



GREEN SIDEWALK SPRAY-PAINT

To start the process, engineers first visit every potential green infrastructure location in the priority area. Each potential location that complies with the City's pedestrian and vehicle clearance requirements is marked with green spray-paint.



SOIL SAMPLING

At each potential GI location, the City collects and tests samples of the underlying soil to ensure it can absorb rainwater (a process called infiltration). Contractors typically use a drilling machine similar to the one pictured. The 4"-diameter hole is filled and capped with concrete after testing is complete.



SURVEYING

If the soil conditions are right, the design team surveys the GI location and prepares construction drawings. Engineers work with utility companies to eliminate conflicts with existing utility service lines.



CONSTRUCTION

Construction usually begins with the removal of existing pavement. Next steps include excavation, and backfilling with layers of broken stone and engineered soil designed to hold stormwater. The contractor then pours new concrete sidewalk, curbs, and inlets. Next the contractor installs plants, usually including a tree, along with a tree guard. The City inspects each completed GI installation to ensure it collects rainwater properly.



OPERATIONS & MAINTENANCE

During a typical rainstorm, the GI installation collects stormwater running off the street and sidewalk before it enters the combined sewer system. See the reverse for pictures of GI installations in action. The City is responsible for GI maintenance. NYC Parks & Recreation crews will remove sediment, weeds, and litter from the GI installations on a regular basis.



Completed Right-of-way Bioswale



Completed Stormwater Greenstreet