

# Rockland County Task Force on Water Resources Management

SIT Green Infrastructure Student Project

## KICK-OFF MEETING AGENDA

10-22-2015

1. **Introductions**
2. **Discuss Goals**
3. **Discuss Work Plan**
4. **Next Steps**
5. **Question and Answer**

**Work Plan:** please let me know if you have feed back on this

### **FALL SEMESTER 2015: PLANNING-LEVEL ANALYSIS TASKS**

1. Quantify the relative infiltration potential of various Green Infrastructure (GI) technologies that meet the stated goals of the TF
2. Consider a range of site and soil conditions in Rockland County, technology configurations according to NYS DEC recommendations
3. Use a USEPA hydrologic model, the National Stormwater Calculator
4. Design alternatives analysis quantifying infiltration potential:
  - a. For each impervious acre managed by GI technologies
  - b. For known combinations of soil type, drainage, topography existing in the County
  - c. Trade-offs amongst GI-specific design parameters
5. Literature review (academic publications) to establish expectations for how much infiltrated water actually augments groundwater

### **SPRING SEMESTER 2016: CONCEPTUAL DESIGN FOR CANDIDATE SITES IN ROCKLAND**

1. Site selection to be made in consultation with TF Groundwater/Stormwater Subcommittee, after site visit(s).
2. Work with Rockland County GIS Dept., a member of TF, to identify: Soil types as they pertain to runoff potential, soil drainage, infiltration rates/characteristics, topography, land cover impervious, lawn, forest, etc.
  - a. Site selection criteria/site-specific data required to advance towards final design for any given site, e.g.:
    - i. In-site soil infiltration testing
    - ii. Depth to groundwater
    - iii. Minimum separation from building foundations
    - iv. Site constraints specific to each technology (e.g. no overhanging trees over permeable pavement; long-term maintenance requirements)
3. Overview of Permitting requirements
4. Deliver a written technical Final Report accompanied with a Presentation and a Conceptual Level Site Design which incorporates and identifies all design criteria, relevant codes, standards and includes technical drawings, plans, specifications and material costs.