

ROCKLAND COUNTY TASK FORCE ON WATER RESOURCES MANAGEMENT

SIT Green Infrastructure Student Project

MEETING #2 - NOTES AND NEXT STEPS

Met on Thursday, November 19, 2015 at 3pm, RC Planning Dept. (Building T)

With questions, please contact Patricie Drake, TF Coordinator
(pdrake@co.rockland.ny.us).



The Agenda:

1. GIS License Agreement Update
2. Review and Discuss Work Plan
3. Students Give update on their work
4. Review and Discuss Draft Proposed Criteria for Site Selection
5. Discuss Opportunities for Education and Outreach from TF
6. Discuss Student Presentation for Task Force
7. Next Steps and next meeting
8. Question and Answer

Notes/Next Steps from meeting #2:

Thank you all for attending the meeting and bringing your experience and expertise to the table.

Task Force GI Project work team in a meeting #2 with SIT students, November 19, 2015 at the Rockland County Planning Department.

GIS License Agreement:

Due to license agreement negotiations, the release of the information was delayed. However, the language of the agreement was settled and the agreement was signed by SIT counsel and returned to the County. The agreement was forwarded to the CE's office for final approval and the GIS information can be shared in a matter of next few days.

Draft Proposed Site Selection Criteria:

After further review and discussion of previously drafted criteria, we decided to divide quantifiable criteria from other secondary considerations which have been reprioritized. A point system was suggested to rank sites based on these criteria. The students are working on a spreadsheet that would evaluate cost/benefit of sites and specific measures. This will be further revised as we begin to narrow down our selections to specific locations.

Student Presentation:

There has been a change in schedule for the student presentation. We have decided **NOT to hold a December Task Force meeting**. We will schedule the **STUDENT PRESENTATION** for the **next TF meeting that will take place in January**. The exact date will be announced soon.

Otherwise, we assigned these next steps before our next meeting:

1. We agreed that the students will post the EPA model information they've produced so far on Basecamp.
2. Student will post quantifiable criteria spreadsheet with point system on Basecamp for comment. Will also consider possible impact of GI on water quality and address this in their report (as per Simon Gruber's comment).
3. Patricie will edit the secondary considerations list that we had gone over - and post on Basecamp for comments.
4. Patricie will move Item 5 on Work Plan (Literature Review) to the beginning of next semester.
5. Marcy will share a link to Nyack's plans and codes that promote GI and others may survey if other municipalities have similar codes and programs in place.
6. Students will use GIS information as soon as they have it available from the County and may seek assistance from Don Steinmetz if needed for original source data.
7. Students will post on Basecamp some maps that target area in Rockland suitable to our purpose (once the students have access to the GIS data).
8. Patricie will edit Contact Sheet and re-post on Basecamp.
9. Nicole and Patricie will work on some outreach opportunities discussed in the meeting. Other team members can bring suggestions to promote GI through this project.
10. Students will work on their presentation.
11. Patricie will schedule student presentation for a Task Force public meeting in January, 2016.

Work Plan (edited 11-20-15: moved "Literature Review" to beginning of next semester):

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

SPRING SEMESTER 2016: CONCEPTUAL DESIGN FOR CANDIDATE SITES IN ROCKLAND

- 1. Literature review (academic publications) to establish expectations for how much infiltrated water actually augments groundwater
- 2. Site selection to be made in consultation with TF Groundwater/Stormwater Subcommittee, after site visit(s).
- 3. 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.
 - d. 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)
- 4. Overview of Permitting requirements
- 5. 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.