

Stormwater Management Review Presentation Outline for October 22, 2012

- I Introducing BETA
- II Historical Prospective
- III Existing Site Issues/Constraints for Consideration
- IV Current Review Status (Existing Conditions)
- V Discussion of issues that the Planning Board may want to consider for big picture stormwater management/environmental items
 1. Relocate all non-roof area runoff outside Zone 1.
 2. Separate systems for roof runoff & pavement runoff directing them to their own treatment and infiltration systems
 3. Spread out treatment systems and infiltration throughout site (where soil conditions allow).
 4. Consider options for Low Impact Design techniques be implemented throughout site these may include:
 - Reduction and disconnection of impervious areas
 - Bioretention Techniques (including rain gardens)
 - Planters and Tree Boxes
 - Porous Pavement
 - Water Collection (cisterns and rain barrels)
 - Green Roofs
 - Ecological Landscaping

Proponent should provide the following preliminary list of additional Information necessary for further review

1. Evaluation of existing capacity of offsite stormwater management systems for areas 3 & 4 to ensure no problematic downstream controls/restriction exist beyond the limits of the project.
2. Geotechnical data for site.
3. Soil test data (seasonal high groundwater elevations and soil permeability tests) for infiltration systems.
4. 25 year storm event pipe capacity calculations (rational method) for roadway systems including hydraulic gradeline computations.
5. Water balance calculations.
6. BMP sizing calculations
7. DWWD review comments