Monday, 17 December 2018

358 National Soybean Research Center, 9:00 am

Water/Stormwater SWATeam Minutes

Present: Eliana Brown, Rabin Bhattarai, Keith Erickson, Arthur Schmidt, Colleen Williams

I. Planning for Water Audit

A. SWAT students have schedules full, but CEE 398 is offered in both spring and fall; perhaps students will take on in the Spring semester

II. Review for potential stormwater credits

A. Morgan has asked for a review for the promotion of best management practices and for possible stormwater fee reductions

B. Land south of Florida Avenue drains south

C. Engineer was hired to study subsurface drainage, found some retention in fields, infiltration

D. Note that Parkland College does not drain into Champaign

E. Our team should not suggest how much money the campus might save but would write that what we would suggest, could save money by fee reduction

F. Action: Find report on drainage and post onto Box

III. Idea for monitoring change in runoff on lot F23

A. Parking Director supports project from student Rainworks team but decided that lot F23 would be a better location; in previous years there were plans to add green infrastructure to F23, and this lot is planned to keep the same location indefinitely

B. May want to see if Student Sustainability Committee can provide funding for monitoring equipment

1. Action: Check to see location of vault if it was built, see if it’s on utility maps, write an order to take a look

2. Frequency of measurements would depend on available funds

3. Step 1 proposal due February 4th

C. Monitoring would be for car-related runoff and, depending on timing, might help observe changes after lot renovation

D. Action: professors on team to see if sample material is available for use

E. Should at least measure flow; unsure of cost of measuring oil from vehicles

F. Plan to make this project a priority for spring semester, would nicely complement nitrate monitoring project by ALUFS

IV. Red Oak Raingarden successful funding from SSC

A. Needs topographical analysis

1. Action: Chair will help with survey after rock is removed in January

B. Money will go to raised sidewalk, preparing soil mixture, planting in April/May and training people to plant (ex. Master Gardeners and Red Bison student organization)

C. Garden will not need an underdrain

Action: survey for schedules in spring semester