

DRAFT NOTES
BUTLER FARMS/OAK CREEK VILLAGE
STORMWATER STUDY GROUP MEETING
THURSDAY, JANUARY 19TH

Agenda

1. Review of engineering work to date
2. Communication with homeowners on engineering solutions and options
3. Overview of the demonstration rain gardens project for summer 2006
4. Next steps

Notes

1. Jack Myers (Dufresne-Henry) reviewed the status of the neighborhood runoff assessment. The group began a sub-watershed by sub-watershed review of the predicted runoff characteristics, questioning how the predicted runoff abatement would actually be achieved. This is yet to be determined but is within the realm of reasonable engineering expectations.
2. Low hanging fruit
 - Area 1 and 2, 3, and 4 can be treated by refitting the existing detention ponds
 - Areas 6, 9 and 10 can be handled by an innovative communal rain garden
 - Areas 15 and 18 (or 17) can be handled by disconnecting the existing circuitous drain and fitting a detention device (wetland/pond) in the eastern property between Hinesburg Road and the neighborhood and redirecting the treated flow back to the stream.
3. Thorny issues
 - The above retrofits (#2) may effectively address the state requirements for “water quality” and “channel protection” volumes, but may not address the problems of local flooding in some key areas, e.g. area 14 in particular.
 - Can we drain the 12b, 13b, and 16b to an existing swale along the west boundary between the golf course and the neighborhood, enhance the transport capacity of the swale, and retain the collected water in an enlarged pond/wetland treatment area in the NW corner near the existing west pond?
 - Is there an opportunity to partner with the golf course on finances and land use to address some of these issues?
 - Can we seek cooperation with the Marceau Farm developers to install a detention/treatment facility upstream (south) of the neighborhoods to regulate flow before it enters area 14?
 - It is critical to ensure that whatever is done to address the state-mandated permit needs can not make the problems of local flooding worse.
4. Open discussion
 - One of the important contributors to the local flooding issues is siltation of the drainage swale/channel. Can it be dredged or dealt with in some other way.
 - Consideration of the Seattle and Lake Tahoe models among others.
5. Demonstration rain gardens – Tiffany Shaw (Winooski NRCD)
 - Described background of the project
 - i. Objectives are related to but separate from the Study Group objectives
 - Two projects have been selected, one in each neighborhood.
6. Next meeting scheduled for **23 March, 7-9pm, South Burlington City Offices** conference room.