TOWN OF YORKTOWN
STORMWATER TRAINING
MARCH 31, 2014

Stormwater: means that portion of precipitation that once having fallen to the ground is in excess of the evaporative or infiltrative capacity of soils or the retentive capacity of the surface features which flows or will flow off the land by surface runoff to waters of the state

MS4 Stormwater Permit: Permit that the Town of Yorktown has with the New York State Department of Environmental Conservation (NYSDEC) to discharge stormwater.

MS4-Municipal Separate Storm Sewer System: comprised of a series of Town-owned or Town-controlled stormwater conveyance components such as:

> parking lots, roads, curbs, catch basins, pipes, ditches, swales, basins and structures. The conveyance structures ultimately drain to an outfall.

Outfalls: defined as any point where a municipally owned and operated separate stormwater sewer system discharges either to surface waters of the State or to another MS4. Outfalls include discharges from pipes, ditches, swales and other points of concentrated flow.

TODAY:

We are going to inspect and talk about two different outfalls:

> Outfall A: Behind Town Hall near Route 118
> Outfall B: Behind Town Hall near the bike path.

Inspections:

Big Picture:

> Drainage Area (Watershed)
>
> > What is the total area that discharges behind Town Hall (Outfall A)?
> > What is the total area that drains the Town Hall parking lot (Outfall B)?
> > Which is larger?
> > What Outfall has the largest percentage of impervious surface.
>
> Pollutants
>
> > What are they? Pollutants of concern (POC). Phosphorous and NYCDEP.
> > Are they the same for both watersheds?
> > What is the first flush?

Discharge Point:

Where do the outfalls immediately discharge to?
Where does the wetland eventually drain to?

Behind Town Hall near Route 118-Outlet A:

Trace water from the top of the watershed?
What are the components of the stormwater infrastructure the water runs through (see list at top of page)?
Does the stormwater infrastructure end at the end of this pipe? Where is the outfall?

Town Hall Parking Lot-Outlet B

Trace water from the northwest corner of the parking lot (adjacent to Underhill-118 stoplight).
What are the components of the stormwater infrastructure the water runs though (see list at top of page)?
Where is the outfall

Questions:

What system (A) or (B) is more effective in reducing pollutants from their watershed before they get to the wetlands?

If there was a spill in each of the watersheds which would have the greater chance of discharging to the wetlands? What about wetland buffers?

What maintenance is presently needed for each system?

What equipment and manpower is needed for each system?

How does the stormwater drainage work at your shop? Where does it go-where is the outfall?

Bigger picture: Consider the importance of maintaining our MS4 system and the system at each of your shops.