PARTNERING WITH YOUR SWCD FOR EFFECTIVE STORMWATER CONTROL – ROAD DITCH MAINTENANCE FOR MUNICIPAL OPERATIONS

For: Pollution Prevention/Good Housekeeping Workshop for Municipal Operations

October 13, 2011

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WHY ARE EXCAVATED ROAD DITCHES W/ NO VEGETATION A PROBLEM?

- According to USDA Natural Resources Conservation Service erosion & sediment inventory for Onondaga County:
  - 31 tons soil / mile / year lost on ~4,194 miles of road banks in Onondaga County (130,083 tons)
    - 6,504 dump truck loads
    - 361 dump truck loads / MS-4 community DPW to haul
  - 30 tons / mile / year lost on ~2,642 miles stream bank
  - 9.1 tons / acre / year lost on construction sites

GREAT SERVICE / REASONABLE COST

- OCSWCD has secured another NYS DEC grant to cover 75% of cost
  - $350/acre
- Former NYS DEC grant covered 50% cost
  - $650/ acre

HOW TO BEST UTILIZE OUR SERVICES

- Conduct ditch cleanout activities during growing season
- Reduce slope of the banks
- *Call us right away to get seeding job scheduled*
- On heavily trafficked roads, the MS-4 may need to provide traffic control
- **Your use of our services can be included in the MS-4 Annual Report**

WHAT ARE OCSWCD SERVICES?

- Seeding w/ Finn T-90 Hydroseeder
- 940 gal. capacity
- Driver/Sprayer

WHAT ARE OCSWCD SERVICES?

- Straw Blowing w/ Finn bale chopper
- Hydroseeding w/ Finn T-90
- ATV seeding for remote areas
- No-till drill for large, ag-like terrain
- Roller crimpers for crimping straw/hay mulch into soil
- Composting of Roadkill
- Reducing compaction of construction sites

BAIL CHOPPING W/ FINN STRAW BLOWER

ATV SEEDING FOR REMOTE AREAS

NO-TILL DRILL FOR LARGE, AG-LIKE TERRAIN

ROLLER CRIMPERS FOR CRIMPING STRAW/HAY MULCH INTO SOIL

AER-WAY TO REDUCE SOIL COMPACTION

SEED MIXES AVAILABLE

- Standard D.O.T. – Creeping Red Fescue, Perennial Rye, White Clover
- Conservation- Annual & Perennial Rye, White Clover, Orchard Grass
- Waterway- Smooth Bromegrass, Ladino Clover, Perennial Ryegrass
- Lawn- Fine fescue, Kentucky Bluegrass, Perennial Rye
- We can apply your specific mix at an additional cost
- Fertilizer, Tactifier, and/or Mulch can be included

SUCCESS DEPENDENT UPON

- Not waiting too long to contact SWCD after ditching
  - Soil “baked”, crusted over,
- High moisture content
- Coarse soil textures
- High stormwater runoff
- Surface compression
  - “rough” soil face, not shiny or smooth

BENEFITS OF VEGETATION

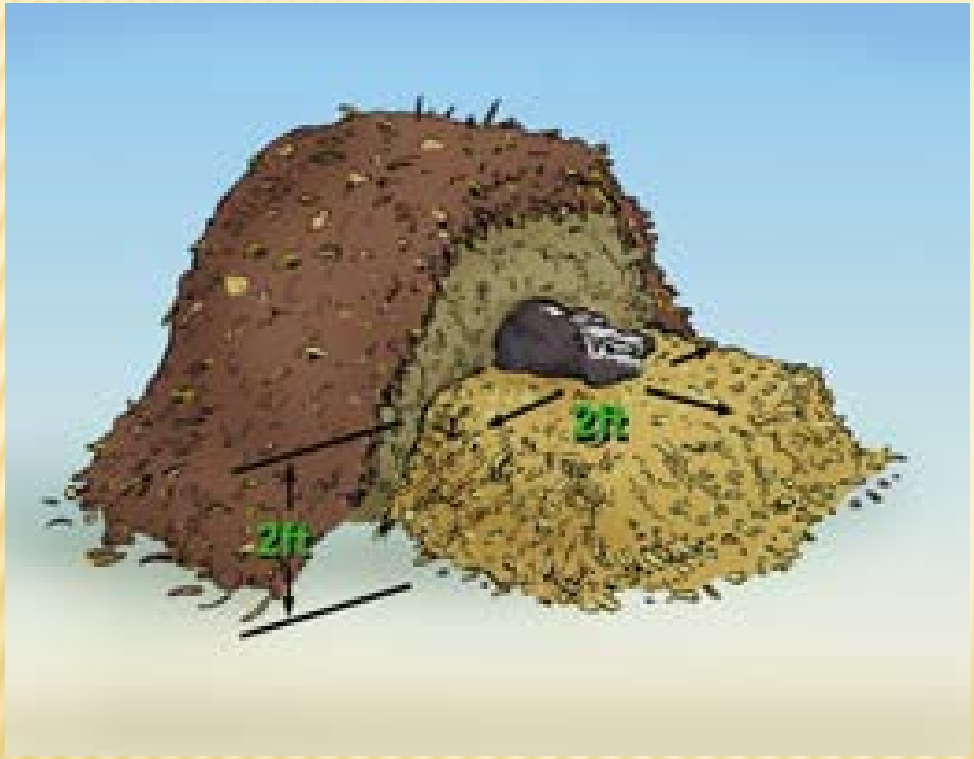
- Keeps your municipality compliant w/ MS-4 regs
- Filters pollutants
- Promotes groundwater recharge
- Adds oxygen into the atmosphere
- **Your use of our services can be included in the MS-4 Annual Report**
- Aesthetically pleasing

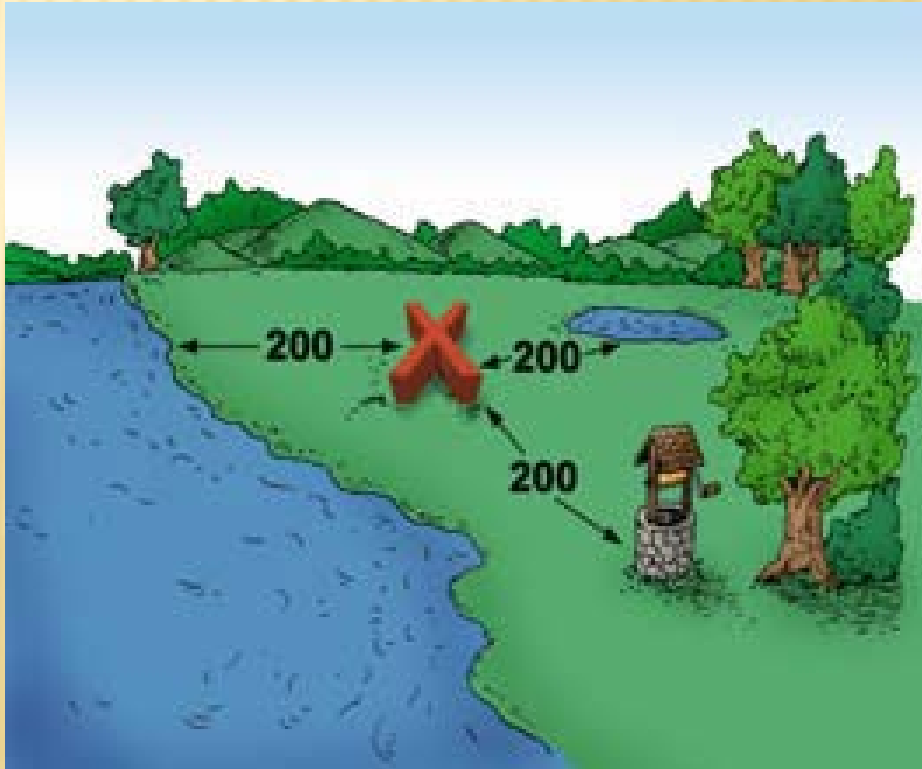
WHAT NOT TO DO

- Silt Fence as Check Dams

- Straw bales as Check Dams

ALSO OFFER:
T/A FOR COMPOSTING OF ROADKILL





WHO QUALIFIES FOR OUR SERVICES?

- Any municipality needing Critical Area Seeding within Onondaga County:
- NYS DOT
- County DOT
- Town Highway Depts.
- Parks & Recreation Depts.
- OCWA
- Water Environment Protection (Sewer District)

TAKE HOME MESSAGE

- SWCD revegetation program VERY cost-effective
- Helps your municipality comply w/ MS-4 regulations
- Use of SWCD revegetation services useable in MS-4 annual report

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