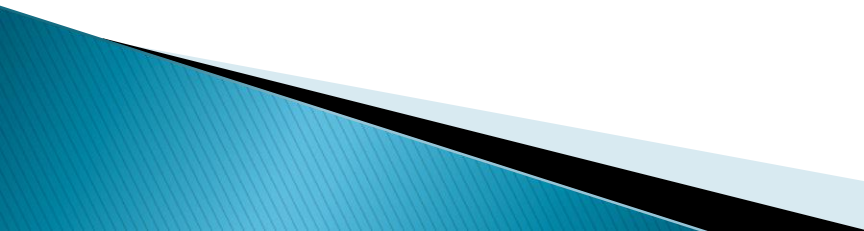


# Erosion Control for Single Family Home Construction

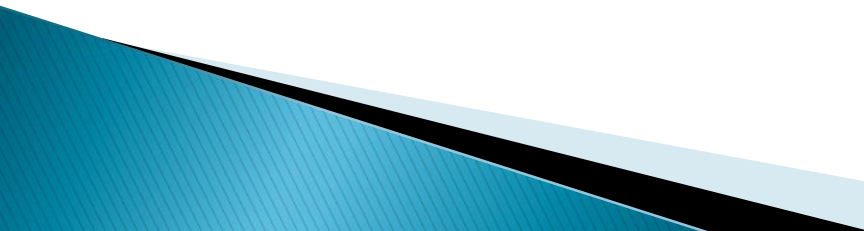
City of Wilson  
Local Sedimentation & Erosion Control Program

Michael Horan  
Erosion Control Specialist  
252-296-3434 (office)  
252-205-4247 (cell)

# Reasons for Local S&EC Program

- ▶ NPDES Phase II (National Pollutant Discharge Elimination System) – Federal Regulation which requires municipalities with populations of 50,000 or greater to have a program to monitor stormwater runoff from construction sites. We will be subject to these rules in 2010.
  - ▶ City of Wilson has performed approximately \$50,000 worth of street cleaning related to construction site runoff over the last three years.
- 

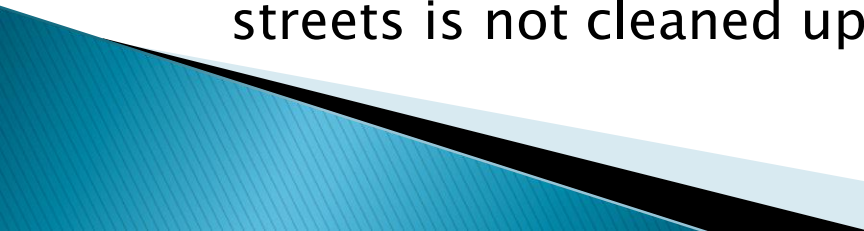
# Timeline of Events

- ▶ **November 16, 2007** – Stormwater Division request to City Council to apply for state delegation of a local Sediment and Erosion Control Program
  - ▶ **April 17, 2008** – Stormwater Division presented to City Council the prepared Sedimentation and Erosion Control Ordinance with recommended fee schedule for consideration of approval.
  - ▶ **May 15, 2008** – City Council Approved and Adopted Local Sedimentation and Erosion Control Ordinance with recommended fee schedule.
  - ▶ **December 29, 2008** – Erosion Control Specialist, Michael Horan, was hired
  - ▶ **January 13, 2009** – City of Wilson received files from NCDENR – Land Resources of all active construction sites in City of Wilson ETJ which they had issued an Erosion Control Permit to.
  - ▶ **July 1, 2009** – S&EC Permit for Single Family Construction sites effective.
- 

# S&EC Permit Process for Single Family Home Construction

- ▶ All new construction of 1 and 2 family dwellings will be required to obtain an Erosion Control Permit.
- ▶ The Erosion Control Permit will be issued at the same time you obtain your building permit in the same location you obtain your building permit.
- ▶ Each Single Family Home Construction Erosion Control Permit will have a charge of \$75.
- ▶ After Erosion Control Permit is obtained, the builder must install the erosion control measures and call the Erosion Control Specialist (*Michael Horan - 252-205-4247*) for an S&EC inspection.
- ▶ No other building inspections will be performed until S&EC inspection has been completed and approved by the Erosion Control Specialist.

# S&EC Permit Requirements

1. Install silt fence behind curb and low sections of the lot
  2. Install a construction entrance
  3. Storm drainage inlet protection (if needed).
  4. Measures are to be maintained throughout life of project until the site is stabilized.
  5. Clean up sediment/mud that is tracked onto streets at the end of each workday.
  6. If necessary, the City of Wilson reserves the right to clean the streets and bill the contractor if sediment/mud in streets is not cleaned up in a timely manner.
- 

# Effects of No Silt Fence or Construction Entrance



# Silt-fence installed on lower side / behind of curb



# Silt-fence trenched in





# Construction entrance with silt fence turned in.



# Construction entrance with silt fence turned in next to side walk



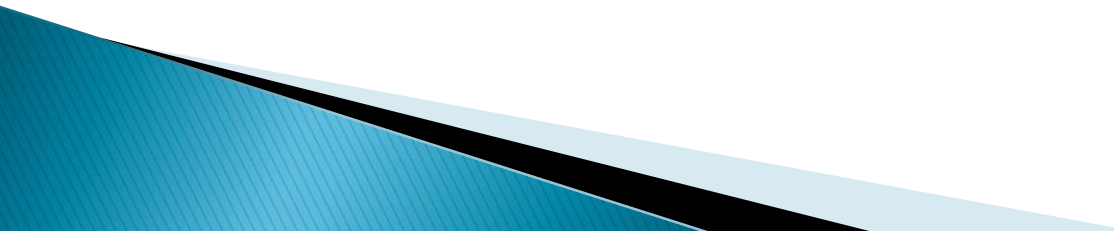
# Silt fence along sides next to occupied dwellings



# Storm Drainage Inlet Protection



# Summary

- ▶ Starting July 1, 2009 all construction of 1 and 2 family dwellings will be required to obtain a Sediment and Erosion Control Permit (S&EC Permit)
  - ▶ The Permit fee is \$75 each, and can be obtained at the Inspections office downtown.
  - ▶ An S&EC Inspection will be required prior to footing or slab foundation construction.
  - ▶ All S&EC measures are to be maintained until the site is completely stabilized.
- 

**Any Questions?**

