Water Quality Protection & Improvement

New General Permit ILR10 & Erosion/Sediment Control Practice Examples

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Water Quality Protection & Improvement Overview

- New General Permit ILR10
 - What has Changed?
 - How Does it Affect My Site (Designer/Developer)?
 - How Does it Affect My Community (As a Municipal Official)?
- Erosion/Sediment Control Measure Examples
 - Different Aspects from Different Points of View



New General Permit ILR10

What has Changed?

- Coverage Under this Permit Authorization
 - 30 Days After the Date the NOI is Received
- Notice of Intent Requirements Deadlines for Notification
 - On-Line Submittal Option
- Notice of Intent Requirements Contents of Notice of Intent
 - Electronic Copy of SWPPP Now Required



New General Permit ILR10

What has Changed?

- Contents of Plan Controls Erosion and Sediment Controls – Stabilization Practices
 - Stabilization to Occur within 7 Days After Temporary or Permanent Activities have Ceased
- Contents of Plan Inspections
 - Definition of Qualified Personnel
 - Knowledgeable Person in the Principles and Practices of Erosion and Sediment Control Practices such as P.E., CPESC, CESSWI or other Knowledgeable Person



New General Permit ILR10 How Does it Affect Me?

- As a Designer or Developer
 - Plan Requirements and Construction Schedule
- As a Municipal Official
 - MS4s Required to Enforce General Permit ILR10 for Developments within Community Boundaries



Phasing

Designer

- Requirements Typically Put in Narrative of SWPPP and on Erosion & Sediment Control Plans
- Pre-Con Meeting to Layout Requirements of Owner and the Expectations of Contractor & Sub-Contractors

Developer

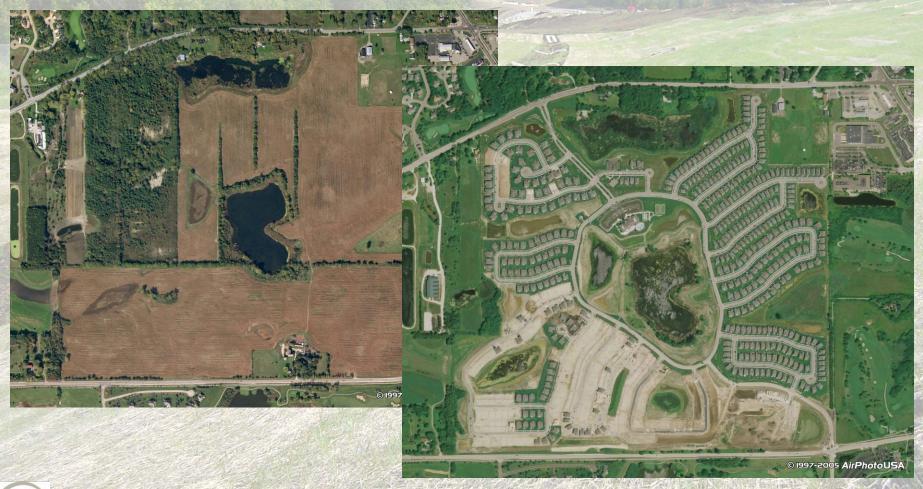
- Mobilization, Clearing/Grubbing, Grading & Utilities
- Necessary to Get Project Started to Show Progress

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



Phasing





March 12, 2009 - Illinois Association for Floodplain & Stormwater Management

Phasing





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- Phasing Recommendations
 - Understand Overall Project Schedule and Needs
 - End User Known or Unknown??
 - Need for Material to Balance Site??
 - Know Timeframes for Temporary and Permanent Seeding Activities
 - Proper Winter Shut Down Activities



Inlet Filters vs. Filter Fabric

Designer

 Inlet Filter Detail Included in SWPPP and on Erosion and Sediment Control Plans

Developer

Normally Uses Filter Fabric Regardless of What is on Plans (\$\$)

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



Inlet Filters vs. Filter Fabric





March 12, 2009 – Illinois Association for Floodplain & Stormwater Management

Inlet Filters vs. Filter Fabric







- Inlet Filters vs. Filter Fabric Recommendations
 - Okay to Use Filter Fabric IF...
 - Proper Fabric is Used
 - Maintenance will be Performed
 - Inlet Filters can be Cleaned Out & Re-Used



Silt Fence

Designer

 Old Ways – Outline the Perimeter of the Site and Each Stormwater Management Facility (Detention and Comp. Storage Basins)

Developer

- Installs at the Beginning of the Project per the Plan
- No Maintenance Performed

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers







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March 12, 2009 - Illinois Association for Floodplain & Stormwater Management

- Silt Fence Recommendations
 - Only Design/Install Where Absolutely Necessary
 - Use the \$\$ Saved for Proper Measures



Erosion Control Blanket

Designer

- Erosion Control Blanket Detail Included in SWPPP and on Erosion and Sediment Control Plans
- Locations to be Installed Normally Not Included on Plans

Developer

Erosion Control Blanket...Maybe for Detention Basins

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



Erosion Control Blanket





- Erosion Control Blanket Recommendations
 - Understand Duration for Stabilization
 - Temporary vs. Permanent
 - Winter Shut Down
 - Understand Areas to be Installed



Some Things Are Just
 Out of Our Control







Are you Kidding Me??





Water Quality Protection & Improvement



