

SECTION 9

SOIL EROSION CONTROL



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SECTION 10

SOIL EROSION CONTROL

10.1 Introduction

The developer should take all necessary steps to minimize soil and sediment erosion on the job site. Prior to any construction the developer must possess a soil and erosion control plan that has been approved by Kane DuPage Soil & Water Conservation District, the City of Batavia, and/or the Army Corps of Engineers, and any other applicable agencies and a site development plan approved by the City of Batavia. Acceptance from the Army Corps will be directed through the Kane County Soil and Water Conservation District.

Any violation of this ordinance will result in a notification to the developer from the City of Batavia or Kane DuPage Soil & Water Conservation District. The City Engineer reserves the right to suspend or revoke the developer's site development permit if they feel that the soil erosion and sediment control practices are inadequate.

10.2 NPDES Permit (National Pollution Discharge Elimination System) – IEPA

The Illinois Environmental Protection Agency requires that for any project that meets its criteria both a Notice of Intent (NOI) and Notice of Termination (NOT) be filed for their construction project.

10.2.1 Notice of Intent (NOI)

Under Phase I, operators are required to obtain permit coverage for construction activity that resulted in a total land disturbance of 5 acres or more or less than 5 acres if they were part of a "larger common plan of development or sale" with a planned land disturbance of 5 acres or greater. Phase II reduces that project size to 1 acre or more. The City of Batavia requires a copy of the permit submittal and permit letter.

10.2.2 Notice of Termination

The permittee must submit a Notice of Termination (NOT) to the Agency after the land disturbing activities are complete and the site has been finally stabilized. USEPA considers that a site has been finally stabilized when all land disturbing activities are complete and a uniform perennial vegetative cover with a density of 70 percent of the cover for unpaved areas and areas not covered by permanent structures has been established or equivalent permanent stabilization measures

have been used. The City of Batavia requires a copy of the submittal and approval of the termination from the IEPA.

10.3 Storm Water Pollution Prevention Plans

As part of the Illinois Environmental Protection Agency Notice of Intent (NOI) and the City of Batavia requirement a Storm Water Pollution Prevention Plan must be completed as part of the Final Engineering for the site and approved prior to issuance of a construction permit. The Stormwater Pollution Prevention Plan must follow the NPDES ILR10 permit requirements, see permit, specifically section IV and Kane Dupage Soil & Water Conservation District.

10.3.1 Temporary Soil Erosion Measures

Temporary soil erosion measures should be utilized for shut down of any portion of a site that will not have earthwork completed within the next 14 calendar days and those measures should be placed within 1 day but no more than 14 days after the work ceases. Temporary erosion measures are also required when a site is shut down for the winter. Temporary erosion measures can be used for an interim between mass grading and final buildout of the site.

10.3.2 Permanent Soil Erosion Measures

In order for soil erosion to be considered permanent and able to close out a project either one of the two following conditions need to be met:

- A uniform vegetative cover with a 70% density has been established on all unpaved areas and not covered by permanent structures, or
- Permanent stabilization measures such as riprap, gabions, or geo-textiles have been utilized.

10.4 Letter of Credit

The City of Batavia follows the Kane County Stormwater Ordinance and if an erosion control plan is required the applicant shall provide a letter of credit for 110% of the approved estimated cost to install and maintain the erosion and sediment control measures.

The letter will be released once the construction has been completed, the vegetation has been established, sediment has been removed from all stormwater facilities and the development has been finally inspected and approved by the City Engineer or designee.

10.5 Inspections

The City of Batavia requires inspections of all soil erosion measures prior to

earthwork commencing to ensure they are in place per plan and installed per the approved details. Contact the Engineering Department at (630) 454-2750 at least 48 hours in advance to schedule the inspection.

10.6 Guides & Other Regulatory Agencies

10.6.1 Kane DuPage Soil & Water Conservation District

The City has retained Kane DuPage Soil & Water Conservation District to review all incoming plans one (1) acre in size and larger in regards to erosion control and inspect the site during construction all the way through stabilization. Smaller sites may require just a review of the erosion control measures dependant of type of improvement and proximity to wetlands, waterways, etc. A permit application needs to be filed with KDSWCD concurrently with the City of Batavia Building Plan review of the Engineering plans. A sign-off from the Engineering Department will not be released until the City of Batavia has KDSWCD sign-off in hand.

10.6.2 Kane County Stormwater Ordinance & Technical Manual for Best Management Practices

The City of Batavia has adopted the Kane County Stormwater Ordinance and under Article 3 of both the Stormwater Ordinance and the Technical Manual for BMPs there are standards to follow for Erosion and Sediment Control. These regulations shall be followed as adopted. (Ord. 01-36, Ord. 02-03, Ord. 05-13)

10.6.3 Illinois Urban Manual

The City of Batavia follows the erosion details of the most up-to-date online version of the Illinois Urban Manual.