



# VILLAGE OF HODGKINS

8990 LYONS STREET, HODGKINS, ILLINOIS 60525  
OFFICE: 708.579.6700 FAX: 708.579.6707

## VILLAGE ORDINANCE #07-10

### SOIL EROSION & SEDIMENTATION CONTROL

The Village of Hodgkins is responsible for enforcing the requirements of the Village's Soil Erosion and Sedimentation Control Regulations. The following requirements provide minimum standards to safeguard persons, to protect property and prevent despoliation of the environment, and to promote the public welfare by regulating and controlling the design, construction, quality of materials, and use and maintenance of any development or other activity which disturbs or breaks the topsoil or otherwise results in the movement of earth. These requirements are applicable to all developments within the Village, and shall apply to any movement of earth, any sedimentation and erosion control plan, and the granting of a permit for execution of said plan.

The development plan shall relate to the topography and soils of the site, resulting in the lowest potential for erosion. The-smallest practical area of land shall be exposed at any given time during development and such minimum area exposure shall be kept to as short a duration of time as is practical. Sediment basins, debris basins, desilting basins, and/or silt traps and fences shall be installed and maintained to *remove* sediment from run-off waters from land undergoing development. Provision shall be made to effectively accommodate the increased run-off caused by changed soil and surface conditions during and after development. Temporary vegetation or, where appropriate, mulching or other non-vegetative *cover* shall be used to protect areas exposed during development Permanent, final plant covering (or structures) shall be installed as soon as possible, and shall be retained and protected so far as consistent with developing the site.

1. Submission requirements for erosion control shall include the following:
  - a. A soils map of the project site showing the predominant soil types.
  - b. A plan showing areas and acreage to be temporarily or permanently sodded, seeded, mulched or paved for each phase of construction.
  - c. Areas and acreage to be left undisturbed for each phase of construction.
  - d. A storm drainage plan, including but not limited to a drainage area map, indicating conditions currently prevailing at proposed and natural outlets such as:
    - Whether the drainage course is bare earth or vegetated.
    - Whether the natural or proposed outlet is subject to long term or continuous flow.

- Whether (or not) the existing outlet is actively eroding.
  - Whether there is evidence (permanent or seasonal) of a high water table, and it's elevation.
  - Whether the area is subject to seepage or spring flow.
  - The elevation of normal water level in all proposed and natural outlets.
  - A profile through each outlet, and downstream for a sufficient distance, to indicate the natural gradient of the accepting natural outlet and/or stream channel.
  - Cross sections and profiles of existing stream channels, where applicable, if requested.
- E. An erosion control plan, including all erosion and sediment control measures needed to provide protection throughout all phases of construction. The plans shall also include on-site, as well as the location of any off-site borrow and spoil areas, stockpiles, haul and access roads, and shall further indicate:
- A chart of project construction items;
  - Duration of exposed disturbed areas for each phase of construction;
  - Installation of temporary or permanent sediment control measures (vegetative or structural) in each phase;
  - Installation of storm drainage in each phase of construction;
  - Paving of streets and commercial parking areas, if any, in each phase, with corresponding dates;
  - Establishment of permanent vegetative cover, including but not limited to seeding mixes and rates, type of sod, sub grade preparation, lime and fertilizer application, mulching, or similar stabilization procedures in each phase of construction;
  - Details of all structural sediment control measures;
  - Computations for sediment basins, if any;
- F. When required, the storm water pollution prevention plan (SWPPP) is included on the erosion control plan and must meet the following requirements:
- Minimum design level unless otherwise specified by more stringent regulations, shall be a storm event equal to or greater than a twenty-five (25) year, twenty-four (24) hour rainfall event.
  - The SWPPP must clearly identify for each measure identified in the plan, the contractor(s) that will implement the measure, and all contractor(s) and subcontractor(s) shall sign the following certificate (include in SWPPP).

*“I certify under penalty of law that I understand the terms and conditions of the general National Pollution Discharge Elimination System (NPDES) permit (ILR10) that authorizes the stormwater discharges associated with industrial activity from the construction site identified as part of this certification”.*

The certification must include the name and title of the person providing the signature of the contracting firm; the address (or other identifying description) of the site; and the date of the certification.

- The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the NPDES ILR10 permit and with the requirements of the SWPPP. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.
- Inspection by permittee is required at least once every seven (7) calendar days and within twenty-four (24) hours of the end of a storm that is a half (0.5) inch or greater or five (5) inches or greater snowfall. Based on inspection results, modifications shall provide for timely implementation of any changes to the plans within seven (7) calendar days. The inspection report shall summarize the scope of inspections, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, and major observation relating to the implementation of the SWPPP. These records shall be retained as part of the SWPPP for at least three (3) years from the date that the permit coverage expires or is terminated.

The permittee shall complete and submit to IEPA and the Village within five (5) days an “Incidence of Noncompliance” (ION) report for any violation of the SWPPP observed during an inspection conducted, including those not required by the plan.

- G. Use of the “Technical Manual Designed for Urban Ecosystem Protection and Enhancement” (Illinois Urban Manual) 2002 or latest edition, prepared for the Illinois Environmental Protection Agency by the United States Department of Agriculture Natural Resources Conservation Service, is made a part hereof by this reference, for purposes of exemplifying the considerations and factors which should enter into preparation of a soil erosion control plan.

2. Special precautions for site work shall include the following:

- A. If at any stage of the grading work, Village representatives determine by inspection that the nature of the operation is such that further work as previously authorized (by permit) is likely to imperil any property, public way, watercourse or drainage structure, the Village may require, as a condition to allowing the work to be done, that such reasonable safety precautions be taken as deemed appropriate to avoid of such peril. “Special precautions” may include, but shall not be limited to, specifying a more level exposed slope,

construction of additional drainage facilities, berms, terracing, compaction, or other erosion control measures, testing, investigations and submittal of reports.

- B. Where it appears that storm water damage has or may result because erosion control measures are not complete, work may be stopped and the contractor (or permittee) required to install temporary or permanent planting or structures, or take such other measures as may be required to protect adjoining property or the public safety, the Village may specify the date of start and completion of grading, or may require that earthwork operations be conducted in specific stages so as to insure completion of protective measures or devices prior to the advent of seasonal weather conditions.
3. Required erosion and sedimentation control measures shall include the following:
- A. Prior to commencement of construction, the contractor shall obtain from the owner and submit to the Village a copy of the Notification of Coverage letter and the Illinois Environmental Protection Agency (IEPA) National Pollutant Discharge Elimination System (NPDES) Permit No. ILR10. The contractor inspection of erosion control measures and filling of applicable certifications and reports. A copy of the notification of coverage letter shall be posted at the project site in a prominent place for public viewing.
- B. Soil erosion and sedimentation control measures shall be completed in accordance with the "Illinois Urban Manual" and NPDES Permit No. ILR10. Any soil erosion control measures, in addition to those outlined in this Engineering Standards and/or shown on the engineering plans, and which are deemed necessary by the Owner, Design Consultant and/or the Village Engineer, shall be immediately implemented by the contractor.
- C. The Licensed Professional Engineer responsible for the project shall inspect the erosion control measures proposed for the specific project on a weekly basis and submit to the Village Engineer a letter of certification for all soil erosion control measures that are in place and operating as designed, and identify any non-compliant measures with a schedule to rectify the problems. This letter of certification shall be submitted by the first day of every month.
- D. The general contractor, earthwork contractor and underground utilities contractor(s) shall be responsible for the installation, inspection, maintenance, and any necessary corrective action associated with erosion and sedimentation control measures as they affect their related work. The inspection shall be conducted and recorded at least once<sup>4</sup> per week and after rain events in excess of half (0.5) inch. The following items are to be provided by the contractors at the time and in the general sequence indicated below.

4. General sequence of items to be provided by the contractors as follows:
  - A. Provide and receive Village approval for any temporary measures, including but not limited to stabilized construction entrance(s), silt fence, tree protection fence prior to the start at any construction activity, including issuance of any construction or building permit. Silt fence materials and installation must be approved prior to the start of construction.
  - B. A stabilized construction entrance shall be installed for mud and dust control prior to the onset of construction activity and shall be maintained for effectiveness to remove dirt that could leave the site by construction vehicles throughout the course of the project. The construction entrance shall be located generally where shown on the plan, and/or at any other points where construction traffic frequently leaves the site. In accordance with the detail, the Stabilized Construction Entrance shall be typically thirty (30) feet wide (with a minimum width of fourteen (14) feet if approved by a Village representative), a one hundred (100) feet long, and shall consist of a minimum six (6) inch thick layer of angular crushed aggregate meeting IDOT gradation CA-1, compacted in place, and underlain with a geo-textile filter fabric. Optional vehicle wash down pit may be required as directed by the Village Engineer.
  - C. Provide diversion swales (which are part of the overall grading plan) around the perimeter of the site, as necessary to prevent and intercept storm water runoff to off site areas, as part of initial mass grading operations.
  - D. Over-excavate any proposed wet detention basin(s) for settling and siltation, as indicated on the plans or as directed by the Village Engineer. The basins will be properly over-excavated so as to provide sufficient volume for debris and settlement. When storm water is to be routed through an existing or proposed detention basin in order to allow for settlement of silt and debris, the basin is to be constructed prior to any other grading work. If drainage is into an existing basin, upstream project areas shall be properly protected so as to minimize siltation of the downstream basin.
  - E. Over-excavate around proposed yard inlets, as indicated on the plans or as directed by the Village Engineer.
  - F. Topsoil and other material stockpiles shall be located as to avoid erosion of the stockpile onto off-site areas. Also, the stockpile shall be sited so that an on-site drainage swale is located between the stockpile and downstream off-site properties. If a stockpile is to remain in place for more than fourteen (14) days, it shall be stabilized with burlap matting or be seeded. Stockpiles should be located such that entrances are from upstream locations.
  - G. Provide a diversion ditch, as necessary, as well as installation of silt fencing for all stockpiles prior to placement of materials in said stockpiles.

- H. Ensure that all construction site waste, such as discarded building materials, concrete truck washout chemicals, litter, and sanitary waste is properly collected and removed from the site with adverse impacts to water quality.
- I. Install ditch check, and flared end section protection, as necessary, in accordance with the Temporary Ditch Check and Flared End Section (FES) Erosion Control details, in all drainage ways within or directly adjacent to the project site.
- J. Because no sediment shall be allowed to enter the existing storm sewer system, provide straw bales and filter baskets siltation/debris collection, etc., around all storm water yard/detention basin inlets, curb inlets, catch basins, etc., immediately upon installation of such structures throughout the vicinity of the project site, which could be affected by sediment during construction. Reinforced filter baskets as approved in advance of placement by the Village Engineer, shall be used for sediment control. All erosion control measures shall be maintained until all upstream areas to respective inlets or structures have been completed with a thorough establishment of an approved grass turf, in accordance with EPA regulation. Repair or replacement shall be promptly made, as needed.
- K. All streets, alleys, etc., adjacent to and in the immediate vicinity of the project site shall be kept free of dirt, mud and debris, and cleaned, as necessary, at the end of each work day.
- L. Upon completion of topsoil respread operations, all disturbed areas shall be seeded, sodded, or landscaped as noted on the engineering or landscape plans. Seeding and mulching shall be in accordance with Section 250 and 251, respectively, of the latest DOT Standard Specifications. Seed mixture shall be class 1. Sodding shall be in accordance with Section 252 of the DOT Standard Specifications. All disturbed ground within the existing Village right-of-way shall be restored with a minimum of four (4) inches of topsoil and sodding. Unless soil erosion control items are specifically referred to as individual bid items (such as topsoil respread, seeding, etc.), they are to be considered incidental to the cost of the contract.
- M. All storm sewers, catch basins, inlets, sumps and/or detention basins are to be cleaned at the end of construction of the project and as may be requested until final acceptance of all public improvements by the Village. Cleaning will also be required during the course of construction if it is determined that silt and debris traps are not properly functioning and their performance is impaired.
- N. All erosion control measures shall remain in place until directed otherwise by the Village Engineer.

*NOW, THEREFORE, BE IT RESOLVED*, by the President and Board of Trustees of the Village of Hodgkins, County of Cook and State of Illinois, as follows:

SECTION 1

If any provision of this Ordinance shall be held to be invalid or unenforceable for any reason, the invalidity or unenforceability of such provision shall not affect any of the other provisions of this Ordinance.

SECTION 2

This Ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form in the manner provided by law.

*ADOPTED* this 11th day of June, 2007, by roll call vote as follows:

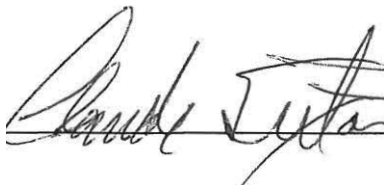
<i>AYES: 6</i>	<i>NAYS: 0</i>
<i>ABSENT: 0</i>	<i>ABSTAIN: 0</i>

*APPROVED* by me this 11th day of June, 2007.



**VILLAGE PRESIDENT**

**ATTEST:**



**VILLAGE CLERK**

*Published by me on June 12, 2007*