

**1400.0 Soil Erosion and Sediment Control Items****1401.0 Stormwater Pollution Prevention Plan Submittal Requirements**

- A. A Stormwater Pollution Prevention Plan (SWPPP) is required for all projects disturbing 1 acre or more to minimize silt load to Village streams and sewers. Erosion and sediment control is still required for activities disturbing less than 1 acre and/or for minor development activities. Proposed erosion and sediment control measures for these activities shall be reviewed and approved by the Village prior to the start of construction. For those projects disturbing 1 acre or more the SWPPP must specify the best management practices to be adopted during and after construction of the site. The SWPPP must follow the requirements of the NRCS Illinois Urban Manual and must be designed in a manner appropriate for the site to minimize erosion and prevent silt from leaving the site. In addition, the SWPPP must include the following:
- i. Location and description, including standard details, of all sediment control measures and design specifics of sediment basins and traps, including outlet details;
  - ii. Location and description of all soil stabilization and erosion control measures, including seeding mixtures and rates, types of sod, method of seedbed preparation, expected seeding dates, type and rate of lime and fertilizer application, kind and quantity of mulching for both temporary and permanent vegetative control measures, and types of non-vegetative stabilization measures;
  - iii. Location and description of all runoff control measures, including diversions, waterways, and outlets;
  - iv. Location and description of methods to prevent tracking of sediment offsite, including construction entrance details, as appropriate;
  - v. Description of dust and traffic control measures;
  - vi. Locations of stockpiles and description of stabilization methods;
  - vii. Description of off-site fills or borrow volumes, locations, and methods of stabilization;
  - viii. Provisions for maintenance of control measures, including type and frequency of maintenance, easements, and estimates of the cost of maintenance;
  - ix. Identification (name, address, and telephone) of the person(s) or entity, which will have legal responsibility for maintenance of erosion control structures and measures during development and after development, is completed.
  - x. A plan for indentifying and remediating failing best management practices both during site construction and post-construction. Qualified personnel must inspect the site at least once every 7 calendar days and within 24 hours of the end of a ½ inch or greater rain event. The following regions must be inspected, and a report filed with the Village within 48 hours of any inspection:
    - a. Disturbed Areas;
    - b. Structural Control Measures; and
    - c. Areas where vehicles enter and exit.

Filing of this report does not relieve the applicant of the requirement to notify any and all other permitting agencies. The SWPPP must be submitted to the Village and be approved before construction activities are begun. The parties responsible for site construction must also maintain the best management practices during construction and after the construction activities are completed.

### **1402.0 Design and Operation Standards and Requirements**

#### **1. Applicability**

All clearing, grading, stripping, excavating and filling which is subject to the permit requirements of this Ordinance shall be subject to the applicable standards and requirements set forth in Section 1400.0 and subsequent sections.

#### **2. Soil Mapping**

Development activity subject to the provisions of this section shall also require soil mapping to be performed. Prior to the submission of any preliminary plat, concept plan or site plan, the applicant shall provide a topographic map at a scale no greater than 1" = 100'. Soil mapping of the site shall extend at least 100 feet beyond the subject property and shall be shown on the topographic map.

Applicants are not required to provide soil mapping for site development of lots within a platted subdivision for which soil mapping has been provided or for minor development activities. For lots within platted subdivisions that contain hydric soils, the site plan shall contain the soil mapping information provided for the subdivision.

The procedure for soil mapping shall be as follows:

- i. The applicant shall obtain a Natural Resource Information Report for the site from the Will/South Cook County Soil and Water District.
- ii. The recommendations of the Will County Soil Manual must be followed to the extent practicable with respect to the land plan and construction details of proposed development.
- iii. Soil borings must be made to confirm the soils map information included in the USDA, NRCS Soil Survey of Will County, Illinois.
- iv. Representative soil borings must be taken to a depth at least 5 feet below the lowest proposed foundation, 2 feet below the lowest proposed sewer, or the point of refusal.
- v. At least one boring must be made per 10 acres. More borings may be necessary to confirm the Soil Survey.
- vi. The site specific soil mapping shall be performed by a certified soil classifier.

### **1403.0 Handbooks Adopted by Reference**

The standards and specifications contained in Illinois Urban Manual: A Technical Manual Designed for Urban Ecosystem Protection and Enhancement and the Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control cited in Section, are hereby incorporated into this Section 1403.0 and made a part hereof by reference for the purpose of delineating procedures and methods of operation under site development and erosion and

sedimentation control plans approved under Section 400.0. In the event of conflict between provisions of said manuals and of this Ordinance, the Ordinance shall govern.

#### **1404.0 Maintenance of Control Measures**

The applicant shall post, and maintain throughout construction, a sign (in accordance with the Village Sign Ordinance) on site that provides the following information:

1. Applicant's name, address, and emergency telephone number.
2. Contractor's name, address, and telephone number (if different from applicant).
3. Site Development Permit Number issued by the village.
4. Village Building Department address and telephone number.
5. Contractor's working hours (In accordance with Ordinance OR 05-062).
6. Statement that trash shall be picked up daily.
7. Statement that streets will be cleaned at least weekly.

The posted sign must be at least six (6) square feet and be visible from the adjacent roadway.

All soil erosion and sediment control measures necessary to meet the requirements of this Ordinance shall be maintained periodically by the applicant or subsequent land owner during the period of land disturbance and development of the site in a satisfactory manner to ensure adequate performance. Failure to maintain working soil erosion control is a violation of this Ordinance. Repair of damage to adjacent or downstream properties resulting from improperly installed or maintained erosion control measures is the responsibility of the applicant and shall be corrected immediately upon notification of such damage. Failure to correct such damage may result in forfeiture of the letter of credit and is a violation of this ordinance.

#### **1405.0 Inspection**

1. The permittee or his/her certified agent, as described under Section 1406.0, and site contractor(s) shall schedule a pre-construction meeting with the Village of Homer Glen or its designated agent at least one week prior to the start of construction.
2. The Village of Homer Glen or designated agent shall make inspections as hereinafter required and either shall approve that portion of the work completed or shall notify the permittee wherein the work fails to comply with the *Erosion and Sediment Control Plan* as approved. Plans for grading, stripping, excavating, and filling work approved by the Village of Homer Glen shall be maintained at the site during the progress of the work. To obtain inspections, the permittee shall notify the Village of Homer Glen at least two working days before the following:
  - A. Start of construction
  - B. Installation of sediment and erosion measures
  - C. Completion of site clearing
  - D. Completion of rough grading
  - E. Completion of final grading
  - F. Close of the construction season
  - G. Completion of final landscaping

3. The permittee or his/her agent shall make regular inspections of all control measures in accordance with the inspection schedule outlined on the approved Site Development Permit. The purpose of such inspections will be to determine the overall effectiveness of the control plan and the need for additional control measures. All inspections shall be documented in a form acceptable to the Village and submitted to the Village of Homer Glen at the time interval specified in the approved permit. Inspections will be conducted weekly and within 24 hours after a 0.5 inch rain event.
4. The Village of Homer Glen or its designated agent shall enter the property of the applicant as deemed necessary to make regular inspections to ensure the validity of the reports filed under Section 1405.0-3 and to monitor and sample site discharges as deemed appropriate by the Village of Homer Glen.

### **1406.0 Certified Agent Training and Certification**

Parties who will act as a certified agent for the permittee as specified under Section 1406.0 must complete the following certification and training to be recognized by the village under this ordinance:

1. The Village of Homer Glen shall require certification of responsible personnel. The village recognizes the Certified Professional in Erosion and Sediment Control (CPESC) or Certified Erosion, Sediment and Storm Water Inspector (CESSWI) as sufficient to meet this requirement. Responsible personnel shall obtain certification by completing the CPESC or CESSWI approved training program and examination. Enrollment of existing and future responsible personnel is the responsibility of the permittee.
2. The Village of Homer Glen may approve certification programs other than those developed by CPESC if they meet the following criteria:
  - A. Educational materials covering the following topics:
    - i. Ecological and resource values of the waters of the location;
    - ii. The benefits of proper and effective erosion and sediment control implementation and maintenance;
    - iii. The purpose and provisions of erosion and sediment control laws, ordinances, and regulations;
    - iv. A description of sediment as a pollutant;
    - v. The process of:
      - a. Erosion;
      - b. Sediment transport; and
      - c. Sediment deposition;
    - vi. Proper implementation of erosion and sediment control;
    - vii. Recognition and correction of improperly implemented erosion and sediment controls;
    - viii. Proper maintenance of erosion and sediment controls; and
    - ix. Responsibilities of supervisory and enforcement personnel;

### **1407.0 Special Precautions**

1. If at any stage of the grading of any development site the Village determines by inspection that the nature of the site is such that further work authorized by an existing permit is likely to imperil any property, public way, stream, lake, wetland, or drainage structure, the Village may require, as a condition of allowing the work to be done, that such reasonable special precautions to be taken as is considered advisable to avoid the likelihood of such peril. "Special Precautions" may include, but shall not be limited to, a more level exposed slope, construction of additional drainage facilities, berms, terracing, compaction, or cribbing, installation of plant materials for erosion control, and recommendations of a registered engineer and/or engineering geologist which may be made requirements for further work.
2. Where it appears that storm damage may result because the grading on any development site is not complete, work may be stopped and the permittee required to install temporary structures or take such other measures as may be required to protect adjoining property or the public safety. On large developments or where unusual site conditions prevail, the Village may specify the time of starting grading and time of completion, or may require that the operations be conducted in specific stages so as to insure completion of protective measures or devices prior to the advent of seasonal rains.

#### **1408.0 Amendment of Plans**

Major amendments of the site development permit or erosion and sedimentation control plans shall be submitted to the Village of Homer Glen and shall be processed and approved or disapproved in the same manner as the original plans. Field modifications of a minor nature shall only be authorized by the Village in writing to the permittee.