Village of Saukville Erosion Control Plan Requirements For Sites That Disturb More Than 1 Acre

Under Village ordinance, a storm water permit for erosion control is needed for any construction site which has one acre or more of land disturbing activity. Erosion and sediment control plans are designed to protect downstream water resources and property owners from water pollution and other damage caused by sediment runoff from construction sites. Erosion and sediment control plans address pollution caused by soil erosion and sedimentation during construction and up to final stabilization of the site. Erosion control plans designed to meet the requirements of the Village ordinance shall adhere to the following guiding principles:

1. Propose grading that best fits the terrain of the site, avoiding steep slopes, wetlands, floodplains and environmental corridors;
2. Minimize, through project phasing and construction sequencing, the time the disturbed soil surface is exposed to erosive forces;
3. Minimize soil compaction, the loss of trees and other natural vegetation and the size of the disturbed area at any one time;
4. Locate erosion control BMPs upstream from where runoff leaves the site or enters waters of the state and outside of wetlands, floodplains, primary or secondary environmental corridors or isolated natural areas;
5. Emphasize the use of BMPs that prevent soil detachment and transport over those aimed to reduce soil deposition (sedimentation) or repair erosion damage.

Erosion Control Plans Must Include the Following:

- ☐ 1. The **contact information** of the owner or developer of the site, and of any consulting firm retained by the applicant, together with the name of the applicant's principal contact at such firm. The application shall also include **start and end dates** for construction.
- ☐ 2. **Description of the site** and the nature of the construction activity, including representation of the limits of land disturbance on a United States Geological Service 7.5 minute series topographic map.
- ☐ 3. A **sequence of construction** that includes:
    - a. Stripping and clearing
    - b. Rough grading
    - c. Construction of utilities, infrastructure, and buildings
    - d. Final grading and landscaping
    - e. Expected date for clearing to begin
    - f. Estimated duration of exposure for cleared areas
    - g. Areas to be cleared
    - h. Installation of temporary erosion and sediment control measures
    - i. Establishment of permanent vegetation.
- ☐ 4. Estimates of the **total area of the site** and the **area of the site that is expected to be disturbed** by construction activities.
- ☐ 5. **Calculations** to show compliance with the performance standard in §205-118.C of the Village Municipal Code.
- ☐ 6. Existing data describing the **surface soil** as well as **subsoils.**
- ☐ 7. Depth to **groundwater**, as indicated by on-site soil borings or Natural Resources Conservation Service soil information where available.
- ☐ 8. Name of the immediate named **receiving water** from the United States Geological Service 7.5 minute series topographic maps.

☐ 9. A **site map** at a scale not greater than 1 inch equals 100 feet and a contour interval not to exceed two feet that includes:

a. Existing topography, vegetative cover, natural and engineered drainage systems, roads and surface waters.
b. Lakes, streams, wetlands, channels, ditches and other watercourses on and immediately adjacent to the site.
c. 100-year floodplains, flood fringes and floodways.
d. Boundaries of the construction site.
e. Drainage patterns and approximate slopes anticipated after major grading activities.
f. Areas of soil disturbance.
g. Location of major structural and non-structural controls identified in the plan.
h. Location of areas where stabilization practices will be employed.
i. Areas which will be vegetated following construction.
j. Areal extent of wetland acreage on the site and locations where storm water is discharged to a surface water or wetland on site or within one quarter mile downstream of the construction site.
k. Locations of all surface waters and wetlands within one mile of the construction site.
l. An alphanumeric or equivalent grid overlying the entire construction site map.

☐ 10. A clear **description of the appropriate control measures** for each major land disturbing construction activity and the **timing** during the construction process that the measures will be implemented that includes:

a. Description of interim and permanent stabilization practices, including a best management practice (BMP) implementation schedule ensuring that existing vegetation is preserved where attainable and that disturbed portions of the site are stabilized.
b. Description of structural practices to divert flow away from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from the site.
c. Management of overland flow at all areas of the construction sites, unless otherwise controlled by outfall controls.
d. Trapping of sediment in channelized flow.
e. Staging construction to limit bare areas subject to erosion.
f. Protection of downslope drainage inlets.
g. Minimization of tracking at all vehicle and equipment entry and exit locations of the construction site.
h. Clean up of off-site sediment deposits.
i. Proper disposal of building and waste materials at all sites.
j. Stabilization of drainage ways.
k. Control of soil erosion from dirt stockpiles.
l. Installation of permanent stabilization practices as soon as possible after final grading.
m. Minimization of dust to the maximum extent practicable.

☐ 11. **Velocity dissipation devices** placed at discharge locations and along the length of any outfall channel, as necessary, to provide a non-erosive flow from the structure to a watercourse so that the natural physical and biological characteristics and functions are maintained and protected.

☐ 12. All erosion and sediment control plans shall be **prepared and submitted to the Public Works Superintendent and the Village Engineer (**or the respective designees).