

CHAPTER 16

STORM WATER MANAGEMENT AND EROSION CONTROL.

TABLE OF CONTENTS

16.00	STORM WATER MANAGEMENT AND EROSION CONTROL	1
16.01	AUTHORITY FOR ORDINANCE. This section is adopted by the Village Board under the authority granted by s. 61.364, Wis. Stats	1
16.02	FINDINGS. The Dousman Village Board finds that uncontrolled storm water runoff and construction site erosion from land development and land disturbing activity can have significant adverse impacts upon local water resources and the health, safety and general welfare of the community, and diminish the public enjoyment and use of natural resources. Specifically, uncontrolled soil erosion and storm water runoff can:	1
16.03	PURPOSE AND INTENT.	2
16.04	GENERAL ADMINISTRATION. Village of Dousman staff is designated to administer and enforce the provisions of this section. The Village Building Inspector shall oversee the administration of this section, issue permits, and review, in conjunction with the Village Engineer, erosion control and storm water management plans. The Village Engineer and the Village Building Inspector shall also make recommendations, where appropriate, to the Village of Dousman Board relative to matters related to erosion and sediment control and storm water management.	3
16.05	JURISDICTION. Jurisdictional Boundaries. This section applies to land disturbing activities within the boundaries of the Village of Dousman and within the extraterritorial plat approval jurisdiction under ch. 236, Wis. Stats	3
16.06	DEFINITIONS. For purposes of this Section 16, the following items are defined as follows:	3
16.07	APPLICABILITY AND EXEMPTIONS	11
16.08	STORM WATER PERMIT AND PROCESSES, LAND DIVISION AND ZONING.	14
16.09	STORM WATER PERMIT REQUIREMENTS.	20
16.10	EROSION CONTROL PLAN REQUIREMENTS.	26
16.11	STORM WATER MANAGEMENT PLAN REQUIREMENTS	34
16.12	TECHNICAL STANDARDS AND SPECIFICATIONS.	53
16.13	MAINTENANCE OF STORM WATER BMPS.	56

16.14	ILLICIT DISCHARGES.	60
16.15	ENFORCEMENT	61
16.16	VALIDITY	64

STORMWATER MANAGEMENT AND EROSION CONTROL 16.00

16.00 STORMWATER MANAGEMENT AND EROSION CONTROL.

(Rep. & recr. #305)

16.01 AUTHORITY FOR ORDINANCE. This section is adopted by the Village Board under the authority granted by §61.364, Wis. Stats.

- A. The requirements of this ordinance do not pre-empt more stringent erosion and sediment control requirements that may be imposed by any of the following:
- B. Wisconsin Department of Natural Resources administrative rules, permits or approvals, including those authorized under ss.281.16 and 283.33, Wis. Stats.
- C. Targeted non-agricultural performance standards promulgated in rules by the Wisconsin Department of Natural Resources under s.NR 151.004, Wis. Adm. Code.

16.02 FINDINGS. The Dousman Village Board finds that uncontrolled storm water runoff and construction site erosion from land development and land disturbing activity can have significant adverse impacts upon local water resources and the health, safety and general welfare of the community, and diminish the public enjoyment and use of natural resources. Specifically, uncontrolled soil erosion and storm water runoff can:

- a. Degrade physical stream habitat by increasing stream bank erosion, increasing stream bed scour, diminishing groundwater recharge, diminishing stream base flow and increasing stream temperatures;
- b. Diminish the capacity of lakes and streams to support fish, aquatic life, recreational and water supply uses by increasing pollutant loadings of sediment, suspended solids, nutrients, heavy metals, bacteria, pathogens and other urban pollutants;
- c. Alter wetland communities by changing wetland hydrology and increasing pollutant loads;
- d. Reduce the quality of groundwater by increasing pollutant loading;

- e. Threaten public health, safety, property, and general welfare by increasing runoff volumes and peak flood flows and overburdening storm sewers, drainage ways and other storm drainage systems;
- f. Undermine floodplain management efforts by increasing the incidence and levels of flooding; and
- g. Generate airborne particulate concentrations that are health threatening or may cause other damage to property or the environment.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.03

16.03 PURPOSE AND INTENT.

- A. The general purpose of this section is to establish regulatory requirements for land development and land disturbing activities aimed to minimize the threats to public health, safety, welfare, and the natural resources of the Village of Dousman from construction site erosion and post-construction storm water runoff. Specific purposes are to:
1. Further the maintenance of safe and healthful conditions.
 2. Prevent and control the adverse effects of storm water; prevent and control soil erosion; prevent and control water pollution; protect spawning grounds, fish and aquatic life; establish erosion control and storm water standards for building sites, placement of structures and land uses; and preserve groundcover and scenic beauty.
 3. Control exceedance of the safe capacity of existing drainage facilities and receiving water bodies; prevent undue channel erosion; control increases in the scouring and transportation of particulate matter; and prevent conditions that endanger property.
- B. Through a single storm water permit process, this section is intended to meet the current construction site erosion control and post construction storm water management regulatory requirements of Sub. Ch. III of both Chs. NR 151 and NR 216, Wis. Admin. Code, on the Wisconsin Department of Natural Resources from adopting or enforcing more stringent storm water management requirements in future revisions of the Wisconsin Administrative Code.
- C. Provisions have also been incorporated to coordinate the storm water permit requirements of this section with other Village zoning and land division regulations.
- D. The Village Board recognizes that the preferred method of addressing post-construction storm water runoff from land development activities is through the preparation and implementation of regional storm water management plans that cover hydrologic units, such as watersheds or sub-watersheds. Accordingly, provisions have been incorporated into this section to allow for the implementation of a regional storm water management plan in lieu of complying with certain on-site storm water management requirements. Where such storm water management plans have not been developed or approved by the Village Board, it is the intent of the Village Board that the generic storm water management standards set forth in this section be applied unless otherwise recommended by the Village.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.04

16.04 GENERAL ADMINISTRATION. Village of Dousman staff is designated to administer and enforce the provisions of this section. The Village Building Inspector shall oversee the administration of this section, issue permits, and review, in conjunction with the Village Engineer, erosion control and storm water management plans. The Village Engineer and the Village Building Inspector shall also make recommendations, where appropriate, to the Village of Dousman Board relative to matters related to erosion and sediment control and storm water management.

16.05 JURISDICTION. Jurisdictional Boundaries. This section applies to land disturbing activities within the boundaries of the Village of Dousman and within the extraterritorial plat approval jurisdiction under chs. 236, Wis. Stats.

16.06 DEFINITIONS. For purposes of this Section 17.30, the following items are defined as follows:

1. Applicable Review Authorities means the Village Planning Commission, the Village Board, the Village Building Inspector and the Village Engineer, depending on the type of project and its location.
2. Applicant means any person or entity applying for a storm water permit. Under this ordinance, the applicant shall be the landowner as herein defined. The applicant shall become the “permit holder” once a permit is issued. The applicant shall sign the initial permit application form in accordance with subsections A. through E., below, after which the applicant may provide the Village written authorization for others to serve as the applicant’s representative:
 - A. In the case of a corporation, by a principal executive officer of at least the level of vice president or by the officer’s authorized representative having overall responsibility for the operation of the site for which a permit is sought.
 - B. In the case of a limited liability company, by a member or manager.
 - C. In the case of a partnership, by the general partner.
 - D. In the case of a sole proprietorship, by the proprietor.
 - E. For a unit of government, by a principal executive officer, ranking elected official or other duly authorized representatives.
3. Basement means an enclosed space of any height below existing grade for a residential or commercial building, including crawlspaces, but not including

spaces below buildings supported by pillars or stilts (e.g. for flood control purposes).

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

4. Best Management Practice or BMP means structural and nonstructural measures, practices, techniques or devices employed to avoid or minimize sediment or other pollutants carried in runoff, or to reduce runoff volumes or peak flows.
5. Common Plan of Development means all lands included within the boundary of a certified survey map or subdivision plat created for the purpose of development or sale of property where integrated, multiple, separate and distinct land developing activity may take place at different times by future owners.
6. Connected Impervious Surface means an impervious surface connected to the waters of the state via a separate storm sewer, an impervious flow path, or a minimally pervious flow path.
7. Construction Site means an area where one or more land disturbing activities occur, including areas that may be part of a larger common plan of development.
8. Cropland means land cultivated in annual agricultural crops such as corn and soybeans or small grain such as wheat or oats.
9. Design Storm means a hypothetical depth of rainfall that would occur for the stated return frequency (i.e., once every 2 years or 10 years), duration (i.e., 24 hours) and timing of distribution (i.e., type II). All values are based on the historical rainfall records for the area. Design storms used in this section are summarized in subsection (12)(a).
10. Dewatering means the removal of trapped water from a construction site to allow land development or utility installation activities to occur.
11. Erosion means the process of detachment, transport and deposition of soil, sediment or rock fragments by action of water, wind, ice or gravity.
12. Effective Infiltration means the area of the infiltration system that is used exclusively to infiltrate runoff and does not include the area used for site access, berms or pretreatment.
13. Environmental Corridor (primary and secondary) means a composite of the best individual elements of the natural resource base including surface, water, streams and rivers and their associated floodlands and shorelands; woodlands, wetlands and wildlife habitat; areas of ground water discharge and recharge; organic soils, rugged terrain and high relief topography; and significant geological formations and physiographic features. A description of

the process of defining and delineating Environmental Corridors is set forth in the Southeastern Wisconsin Regional Planning Commission's Technical Record, Volume 4, No. 2 and is incorporated herein by reference.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

14. Environmentally Sensitive means any area that, due to the natural resources present or the lack of filtering capacity, is more susceptible to the adverse impacts of sediment and other pollutants associated with erosion and urban runoff. Examples include environmental corridors, direct hydrologic connections to lakes, streams, wetlands, groundwater or other water resources, or very coarse or shallow soils above groundwater or bedrock.
15. Filtering Layer means soil that has at least a 3-foot deep layer with at least 20% that passes through a #200 sieve (fines); or at least a 5-foot deep layer with at least 10% that passes through a #200 sieve (fines); or another medium exists with an equivalent level of protection, as determined by the Village Engineer.
16. Final Plat means a map of a proposed condominium or subdivision to be recorded with the Waukesha County Register of Deeds pursuant Wisconsin Statutes.
17. Grassland/Meadow means land on which grass, alfalfa, hay, prairie or a similar ground cover has been growing for at least 5 (5) consecutive years prior to land disturbing activity.
18. Groundwater Recharge Areas means lands identified in a document published by the Village of Dousman or the Southeastern Wisconsin Regional Planning Commission, or as indicated by the Village Engineer as groundwater recharge areas; or where, prior to land disturbing or land development activity, precipitation or runoff could only leave the area by infiltrating the ground, thereby recharging the groundwater.
19. Highest Groundwater Recharge Table means the upper limit of the zone of soil saturation caused by underlying groundwater at its highest level based on soil and site evaluations in accordance with technical standards prescribed in this ordinance.

Note: the above definition recognizes that the elevation of the groundwater table will fluctuate by season and from year-to-year depending on weather patterns, topography and other site conditions, and that soils and site evaluations are the best indicator of the Highest Groundwater Table.

20. Illicit Connection means any drain or conveyance, whether on the surface or subsurface, which allows an illegal non storm water discharge to enter the storm drain system, including but not limited to sewage, process wastewater and wash water, any connections to the storm drain system from indoor drains and sinks, regardless of whether said drain or connection has been allowed,

permitted, or approved by a government agency, prior to the adoption of this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

21. Impervious Surface (or imperviousness) means an area that releases all or a large portion of the precipitation that falls on it, except for frozen soil. Conventional rooftops and asphalt or concrete sidewalks, driveways, parking lots, streets, typical gravel driveways and other examples listed shall be considered impervious at the time of application, unless specifically designed, built and maintained to encourage infiltration or storage of runoff, and the Village Engineer determines they meet applicable requirements of subsection (11), they shall subsequently be designated by the Village Engineer as a pervious surface.
22. Impracticable means that complying with a specific requirement would cause undue economic hardship and that special conditions exist that are beyond the control of the applicant and would prevent compliance.
23. In-Fill Development means land development that occurs where there was no previous land development and is surrounded by other existing land development.
24. Infiltration means the entry of precipitation or runoff into or through the soil.
25. Infiltration System(s) means a device or practice such as a basin, trench, rain garden, previous pavement or swale designed specifically to encourage infiltration, but does not include natural infiltration in pervious surfaces such as lawns, redirecting of rooftop downspouts onto lawns or minimal infiltration from practices, such as swales or road side channels designed for conveyance and pollutant removal only.
26. Karst Features means an area or surficial geologic feature subject to bedrock dissolution so that it is likely to provide a conduit to groundwater, and may include caves, enlarged fractures, mine features, exposed bedrock surfaces, sinkholes, springs, seeps or swales.
27. Land Development Activity or Land Development means any construction related activity that may ultimately result in the addition of impervious surfaces, such as the construction of buildings, roads, parking lots and other structures.
28. Land Disturbing Activity means any manmade alteration of the land surface that may result in a change in the topography or existing vegetative or nonvegetative soil cover, or may expose soil and lead to an increase in soil erosion and movement of sediment. Land disturbing activity includes clearing and grubbing for future land development, excavating, filling, grading, building construction or demolition, dewatering, or dredging related to storm water BMP maintenance. Repaving is considered a land disturbing activity only if

the subgrade material below the pavement is removed, replaced or significantly regarded.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

29. Landowner (or Owner) means any person or entity holding fee title to the property. Utility companies shall be deemed as landowner for the subject property if they hold the appropriate easement or have established prescriptive rights under s. 893-28(2) Wisconsin Statutes.
30. Maximum Extent Practicable or MEP means an acceptable level of implementing best management practices to achieve a performance standard specified in this section, as determined by the Village Engineer. In determining MEP, the Village Engineer shall take into account the best available technology, cost effectiveness and other competing issues such as human safety and welfare, endangered and threatened resources, historic properties and geographic features. MEP allows flexibility in the way to meet the performance standards and may vary based on performance standard and site conditions.
31. Nonmetallic Mining has the meaning specified under §295.11(3), Wis. Stats.
32. Off-Site BMP means best management practice(s) that are located outside of the boundaries of the site covered by a permit application. Off-site BMPs are usually installed as part of a regional storm water management plan approved by a local government.
33. Ordinary High-Water Mark (OHWM) has the meaning given in Ch. NR 115, Wis. Adm. Code.
34. Permit Holder means any person or entity issued a Storm Water Permit under this ordinance or their successors in interest with respect to the property to which the permit applies. (See also definition of "Applicant".
35. Pervious Surface means an area that releases as runoff a small portion of the prescription that falls on it. Lawns, gardens, parks, forests and similar vegetated areas are examples of surfaces that typically are pervious.
36. Planned Land means the land use designated in the latest version of the Village of Dousman land use plan.
37. Plat means a map of a proposed condominium or subdivision
38. Pollutant as per §283.01(13), Wis. Stats., means any dredged soil, solid waste, incinerator residue, sewage, garbage, refuse, oil, sewage sludge, munitions, chemical wastes, biological materials, radioactive substance, heat,

wrecked or discarded equipment, rock, sand, cellar dirt and industrial, municipal and agricultural waste discharge into water.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

39. Pollution as per §283.01(10), Wis. Stats., means manmade or man-induced alteration of the chemical, physical, biological or radiological integrity of water.
40. Preliminary Plat means a map showing the salient features of a proposed condominium or subdivision submitted to an approving authority for purposes of preliminary consideration.
41. Preventive Action Limit Has the meaning given in §NR 140.05(17), Wis. Adm. Code.
42. Publicly Funded means a land disturbing or a land development activity, such as a public road or municipal building, which is being funded solely by a Town, City, Village, County, State or federal government. It does not include new roads or other structures built with private funds, or a combination of public and private funds. And subsequently dedicated to a unit of government.
43. Qualified Professional means a Professional Landscape Architect, Professional Hydrologist, or Professional Engineer licensed in Wisconsin, or a person certified in erosion control planning, implementation or inspection.
44. Redevelopment means land development that replaces previous land development of similar impervious conditions.
45. Regional Storm water Management means a planning document, adopted by a local unit of government, that coordinates storm water management activities for an entire drainage area or watershed, including future land development activities within the watershed. The plan may prescribe the use of BMPs for individual development sites and for selected points within the watershed to meet the goals and objectives of the plan.
46. Regulatory Agency means a public agency that the Village recognizes as having the legal authority to review and approve erosion control and storm water management plans and enforce the implementation, with requirements at least as restrictive as this section.
47. Responsible Party means the landowner or any person or entity acting as the owner's representative, including any person, firm, corporation or other entity performing services, contracted, subcontracted, or obligated by other agreement to design. Implement, inspect, verify or maintain the BMPs and other approved elements of erosion control and storm water plans and permits under this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

48. Road as used in this section, means any access drive that serves more than 2 residences or businesses.
49. Runoff means water from rain, snow or ice melt, or dewatering that moves over the land surface via sheet or channelized flow.
50. Sediment means settleable solid material that is transported by runoff, suspended within runoff, or deposited by runoff away from its original source.
51. Site means the entire area included in the legal description of the subject property.
52. Stabilized means that all land disturbing activities are completed and that a uniform, perennial vegetative cover has been established with a density of at least 70% or other surfacing material is in place and the risk of further soil erosion is minimal, as determined by the Village.
53. Storm Drainage System means a publicly owned facility by which storm water is collected and/or conveyed, including but not limited to any roads with drainage systems, municipal streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs and other drainage structures.
54. Storm water has the same meaning as the term “runoff”.
55. Storm water BMP means any best management practice that is designed to collect or manage the quantity or quality of storm water runoff for an indefinite time period. This term is a subset of the term “best management practice” and distinct in that they require long-term maintenance. Some examples include, but are not limited to : wet or dry detention basin, infiltration trench or basin, bio-retention basin, stilling basin, green roof, filter strip, artificial wetland, or any combination of these or other permanent storm water management practices, as determined by the Village Engineer.
56. Storm water Permit means a written authorization made by the Village of Dousman to the applicant to conduct land disturbing or land development activities in accordance with the requirements of this section. A storm water permit regulates both construction site erosion and post-construction storm water runoff from a site.
57. Subdivision means a division of a lot, parcel or tract of land by the owner thereof or the owner’s agent for the purpose of sale or of building development that meets the subdivision definition criteria under §236.03(12), Wis. Stats., or a more restrictive definition adopted by a local unit of government.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.06

58. Technical Standard means a document that specifies design, predicted performance and operation and maintenance requirements for a material, device or method.
59. Top of Channel means an edge, or point on the landscape, commencing landward from the ordinary high-water mark of a surface water of the state, where the slope of the land begins to be less than 12% continually for at least 50. If the slope of the land is 12% or less continually for the initial 50 feet, landward from the ordinary high-water mark, the top of the channel is the ordinary high-water mark.
60. Utility means a wire, pipe, tube or other conduit designed to distribute or collect a product or service, including but not limited to electricity, natural gas, oil, telecommunications, drinking water, storm water, sewage, groundwater or any combination of these items
61. Village Mapping Standards means that the maps are drawn to national map accuracy standards using the Wisconsin State Plane Coordinate System, Wisconsin South Zone, North American Datum 1927 (NAD27) and National Geodetic Vertical Datum of 1929 (NGVD29).
62. Warm season and Wetland Plantings means seeds or plant stock that are native to a prairie or wetland setting. These types of plantings usually take a couple of years to get established and require diligent removal of invasive species during this time. Upon maturity, warm season plants generally have a deep root system, which enhances infiltration.
63. Water of the State has the meaning given in §281.01(18), Wis. Stats.
64. Wetlands means an area where water is at, near or above the land surface long enough to be capable of supporting aquatic or hydrophytic vegetation and which has soils indicative of wet conditions.
65. Woodland means an area where a grouping of 10 or more trees exist that have a trunk diameter of at least 4 inches at 4 feet above the ground surface. The boundaries of a woodland shall be defined by the canopy commonly referred to as the "drip line".
66. Working Day means any day the Village Hall is routinely and customarily open for business, and does not include Saturday, Sunday and any official Village Holidays.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.07

16.07 APPLICABILITY AND EXEMPTIONS.

- A. Construction Site Erosion Control. Unless otherwise exempted under subsection (c) below, a storm water permit under subsection (8) shall be required and all erosion control and other provisions of this section shall apply to all proposed land disturbing activity that meets any of the following:
1. Disturbs a total land surface area of 3,000 square feet or more; or
 2. Involves excavation or filling, or a combination of excavation and filling, in excess of 400 cubic yards of material; or
 3. Involves the laying, repairing, replacing or enlarging of an underground utility, pipe or other facility, or the disturbance of road ditch, grass swale or other open channel for a distance of 300 feet or more; or
 4. Involves the maintenance of an existing storm water BMP; or
 5. Is a land disturbing activity, regardless of size, that the Village of Dousman determines is likely to cause an adverse impact to an environmentally sensitive area or other property, or may violate any other erosion control standard set forth in this section.
- B. Storm water Management. Unless otherwise exempted in this section, a storm water permit under subsection (8) shall be required and all storm water management and other provision of this section shall apply to all proposed land development activity that meet any of the following:
1. Is a subdivision plat; or
 2. Is a certify survey may or any other land development activity that may ultimately result in the addition of 0.5 acres or greater of impervious surfaces that did not exist prior to May 28, 1998 or that may result in land disturbing activity of 1 acre or greater, including smaller individual sites that are part of a common plan of development that may be constructed at different times; or
 3. Involves the construction of any new public or private road; or
 4. Is a land development activity, regardless of size, that the Village determines is likely to cause an adverse impact to an environmentally sensitive area or other property.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.07

C. Applicability Exemptions.

1. Exempt from All Requirements. The following activities shall be exempt from all requirements of this section:
 - A. Land disturbing activities directly involved in the planting, growing and harvesting of any plant grown for human or livestock consumption and pasturing or yarding of livestock, including sod farms and tree nurseries.
 - B. Land development and land disturbing activities exempted by state or federal, including highway construction and other projects conducted by a state agency, as defined under §227.01(1), Wis. Stats., or under memorandum of understanding entered into under §281.33(2), Wis. Stats. This includes county highway right-of-ways where the State has assumed all storm water related responsibility during the planning or construction phases through a written agreement. To recognize an exception under this paragraph, the Village may require documentation of the person(s) and regulatory agency charged with enforcing erosion control and storm water management for the project, and verification of compliance with applicable storm water regulations, including the Village MS4 permit.
 - C. Land disturbing activity directly involved in the installation and maintenance of private on-site waste disposal systems, as regulated under this chapter.
 - D. If another regulatory agency is enforcing erosion control and storm water management provisions that the Village determines are at least as restrictive as those contained in this section, the applicant may request an exemption from any or all provisions of this section. An applicant must request this exemption from the Village. There will be a fee associated with reviewing the request in accordance with subsection (8)(e). Based upon the scope of the requested exemption, the Village may require the applicant to submit documentation relating to the project, including any or all of the following:

STORMWATER MANAGEMENT AND EROSION CONTROL 16.07

- (1) A copy of the proposed plans certified as approved by a regulatory agency. Said plans shall also be stamped by a professional engineer licensed in Wisconsin, stating that the design of all best management practices comply with this section and all applicable technical standards.
 - (2) Contact information for the applicant or for the person(s) representing the applicant and charged with overseeing the implementation of the approved plans, including certifying construction.
 - (3) A copy of the permit issued by the regulatory agency and contact information for the person(s) charged with permit enforcement duties.
 - (4) A copy of design summaries, as-built documents and construction certification pursuant to subsection (9)(d) for all storm water BMPs constructed as part of the project.
 - (5) A copy of a recorded maintenance agreement in accordance with subsection (13) for all storm water management facilities constructed as part of the project.
 - (6) Other items that the Village determines are necessary to ensure compliance equal to the requirements of this section.
2. Exempt from Erosion Control Requirements Only. The following land disturbing activities shall be exempt from the erosion control provisions of subsection (a) above:
- A. Those activities the Village Building Inspector determines are required for the construction of individual 1-family and 2-family residential buildings under SBS 321, Wis. Adm. Code, unless the proposed or actual land disturbance is one (1) acre or greater.
 - B. Nonmetallic mining activities that are covered under a nonmetallic mining reclamation permit under CH. NR 135, Wis. Adm. Code.
 - C. Placement of underground pipe or other utility that is plowed or bored into the ground outside areas of channelized runoff.
3. *Other Exemptions.* The Village may exempt a site or portion of a site from meeting any or all of these requirements of this section in accordance with subsection (11)(e).

STORMWATER MANAGEMENT AND EROSION CONTROL 16.08

16.08 STORMWATER PERMIT AND PROCESSES, LAND DIVISION AND ZONING.

(a) Permit Required. A storm water permit under subsection (c) shall be obtained before any person commences a land disturbing or land development activity, pursuant to the applicability and exemption provisions of subsection (7). Based upon the scope of the project, a preliminary review letter under subsection (b), below, and certification of compliance under subsection (d), below, will also be required as part of the permit process.

(b) Preliminary Storm water Review Letter.

1. Purpose and Intent. A preliminary storm water review letter is prepared by the Village to ensure that early site-planning for any new development accounts for compliance with this section. Preliminary storm water planning will help resolve spatial and soils issues early in the site-planning phase, preventing a conflict with other permit requirements or the recording of land divisions. This will also assist the applicant in obtaining other permits or zoning approvals prior to finalizing detailed construction plans. A storm water permit is required prior to the start of any proposed land disturbing or land development activity.

2. Applicability and Requirements.

A. A preliminary storm water review letter from the Village is required prior to the approval of a preliminary plat by the Village Planning Commission and shall also be required prior to approval of a certified survey map, site plan, conditional use permit, zoning permit or zoning amendment by the Village Planning Commission for any proposed land disturbing or land development activity that meets one or more of the following:

- (1) Disturbs a total land surface of one acre or more;
- (2) Involves the construction of a new public or private road of any length;
- (3) Ultimately results in the addition of 0.5 acres or greater of impervious surfaces, including smaller individual sites that are part of a common plan of development; or
- (4) Other land disturbing or land development activities, as determined by the Village under subsection 16.07 A. 5 or B. 4., above.

- B. All project approvals described in subsection A. above shall be subject to the recommendations, requirements or objections contained in a preliminary review letter from the Village, which may include requiring certification of compliance under subsection (d), below.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.08

- C. For preliminary plats, a Village interdepartmental review meeting shall not be scheduled prior to 10 working days after the application submittal date for a preliminary review letter in accordance with subsection (f)1. below.

Note: It is recommended that subdivisions and other projects that may result in the addition of 0.5 acres of impervious surface go through a concept-planning phase, including meeting with the Village Engineer and Village zoning staff, prior to submitting a preliminary plat or CSM.

3. Preliminary Review Letter Application.

- A. To request a preliminary review letter, the applicant shall submit a complete application to the Village, which shall include the following:
 - (1) A complete and signed application;
 - (2) Certification to pay the review fee;
 - (3) A site plan map in accordance with subsection (11)(c), which may be in a preliminary stage as prepared for zoning amendments and certified survey maps;
 - (4) A preliminary erosion control plan in accordance with subsection (10)(d);
 - (5) A preliminary storm water management plan in accordance with subsection (11)(f) for those sites that propose to add a new road or add 0.5 acres or greater of impervious surfaces, including smaller individual sites that are part of a common plan of development; and
 - (6) A preliminary maintenance agreement for all storm water BMPs proposed site.
- B. The Village may waive the requirement for a preliminary erosion control or preliminary storm water management plan under subsection A., above, if the Village determines that it is not necessary to ensure compliance with this section based on the site map submitted. However, all items required for a storm water permit shall apply.
- C. The Village may require map items listed above to be submitted in a digital form, if available, including georeferencing map data to the

public land survey system in accordance with Village mapping standards

- D. Review procedures for a preliminary review letter application shall be in accordance with subsection (f)1., below.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.08

(c) Storm water Permit Application.

1. To request a storm water permit under this section, the applicant shall submit a complete application, which shall include all of the following
 - a. A completed and signed application;
 - b. Certification to pay the review fee;
 - c. A site plan in accordance with subsection (11)(c);
 - d. A final erosion control plan in accordance with subsection 10(e);
 - e. A final storm water management plan in accordance with subsection (11)(g) for those land development activities that meet any of the applicability criteria of subsection (7)(b), and the documentation required under subsection (11)(e)2.D., related to an off-site BMP, if applicable;
 - f. A maintenance agreement in accordance with subsection (13); and
 - g. A financial assurance, in accordance with subsection (9)(c).
2. The Village may require map items listed above to be submitted in a digital form, if available, including georeferencing map data to the public land survey system in accordance with the Village mapping standards.
3. Review procedures for a storm water permit application shall be in accordance with subsection (f) below.

(d) Certification of Compliance for Final Plat or CSM.

1. Applicability. The Village Engineer shall recommend approval based on compliance with this section prior to the Village Planning Commission approving any final plat, and prior to the recording of any certified survey map with the Waukesha County Register of Deeds that meets one of the following:
 - a. The site plan may ultimately result in the addition of 0.5 acres or greater of impervious surfaces, including smaller individual sites that are part of a common plan of development;
 - b. Includes the construction of any new public or private road; or

c. Other land development activities as determined by the Village under subsection B.2.B., above.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.08

2. Review Items. To obtain a recommendation of approval, the applicant shall submit a final plat or CSM to the Village for review, which shall be the same version of the land division document submitted to the applicable review authorities under Chapter 236, Wis. Stats., or local ordinance. The Village shall review submittals for compliance with all of the following items based on preliminary or final site plans and storm water management plans;
 - a. Location and size of drainage easements and other areas set aside for storm water management, and the associated language describing use restrictions;
 - b. Setback requirements from wells, structures, steep slopes, road right-of-ways and other items related to the location of storm water management facilities;
 - c. Location of access drives and associated easements and use restrictions to ensure adequate access to storm water management facilities for future maintenance;
 - d. Utility easements as they may affect the grading and erosion control plans;
 - e. The final maintenance agreement on accordance with subsection (13) for all storm water BMPs; and
 - f. Site drainage requirements under subsection (11) (d) 6.
 - g. Other items that the Village determines are necessary to achieve compliance with this section.
3. Review Process. Review procedures for recommendation of approval for final plat or CSM shall be as described in subsection (f)1., below.

Note: To avoid disapproval of the final plat, it is recommended that a final storm water management plan be approved by the Village Engineer prior to submittal of the final plat.

- (e) Fees. Application and review fees under this section shall be in accordance with the following:
 1. Fee amount shall not exceed the actual and direct Village costs of administering this section.

2. All publicly funded disturbing and land development activities within jurisdiction of this section shall be exempt from the fees under this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.08

(f) Application Review Processes.

1. Preliminary Storm water Letter and Certification of Compliance. Upon submittal of a complete application under subsection (b), above or final plat or CSM under subsection (d), above, the applicant is authorizing the Village to enter upon the subject site to obtain information needed to administer this section and the following procedures shall apply:
 - A. The Village shall have 30 working days from the date the Village receives the application or proposed land division to issue a review letter to the applicable review authorities and the applicant based on the requirements of this section.
 - B. If within the 30 working days, the Village determines that the application is not complete or requests additional information from the applicant or another source (such as another regulator agency), the Village shall have 20 working days from the date of additional information is received to issue a review letter. The Village shall inform the applicant and the review authorities when additional information is requested from another source.
 - C. If within the 20 working days, the Village notifies the applicable review authorities that the application under subsection (b)3., above is not complete, information has been requested from another source, or recommended changes or objections to the application need to be addressed before other approvals can proceed, then the applicable review authorities may:
 - (1) At the request of the applicant, grant an extension to the review period, if needed, to allow more time for the Village review process to be completed or to address Village recommendations, requirements or objections to the application; or
 - (2) Disapprove the application, plat or CSM
2. Storm water Permit Less Than One Acre Land Disturbance and Applicability Exemptions. Upon submittal of a complete permit application under subsection (c), above, or applicability exemption application under subsection (7) (c), the applicant is authorizing the Village to enter upon the subject site to obtain information needed to administer this section and the following procedures shall apply:
 - A. Within 30 working days from the date the Village received the application or proposed land division, the Village shall inform the

applicant whether the application materials are approved or disapproved based on the requirements of this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.08

- B. If all requirements of this section have been met through the application, the Village shall approve the application and issue a permit or exemption. If all requirements of this section have not been met, the Village shall state in writing the reasons for disapproval.
 - C. If within the 30 working days, the Village determines that the application is not complete or requests additional information from the applicant or another source (such as another regulatory agency), the Village shall have 20 working days from the date the additional information is received to review and act on the application. The Village shall inform the applicant when additional information is requested from another source.
3. Storm water Permit One Acre or Greater Land Disturbance and Technical Exemptions. Upon submittal of a complete application under subsection (c), above, or a technical exemption application under subsection (11)(e), the applicant is authorizing the Village to enter upon the subject site to obtain information needed to administer this section and the following procedures shall apply:
- A. Within the 30 working days from the date the Village received the application, the Village shall inform the applicant whether the application materials are approved or disapproved based on the requirements of this section.
 - B. If all requirements of this section have been met through the application, the Village shall approve the application and issue a permit. If all requirements of this section have not been met, the Village shall state in writing the reasons for disapproval.
 - C. If within the 30 working days, the Village determines that the application is not complete or requests additional information from the applicant or another source (such as another regulatory agency), the Village shall have 20 working days from the date the additional information is received to review and act on the application. The Village shall inform the applicant when additional information is requested.

STORMWATER PERMIT REQUIREMENTS 16.09

16.09 STORM WATER PERMIT REQUIREMENTS

- i. General Permit Requirements. Storm water permits shall be subject to all of the requirements of this section. Violation of any permit requirement shall cause the permit holder and any other responsible party to be subject to enforcement action under subsection (15). Upon issuance of a storm water permit, the permit holder and any other responsible party shall be deemed to have accepted these requirements. General requirements include all of the following:
 1. Other Permits. Compliance with a storm water permit does not relieve the permit holder or other responsible party of the responsibility to comply with all other applicable Federal, State, and local laws, rules, deed restrictions and other regulations. The Village may require the applicant to obtain other permits or plan approvals prior to issuing a storm water permit.
 2. Approved Plans. All best management practices shall be installed and maintained in accordance with approved plans and construction schedules. A copy of the approved plans shall be kept at the construction site at all times during normal business hours.
 3. Plan Modifications. The Village Engineer and Building Inspector shall be notified of any significant modifications proposed to be made to the approved plans or schedules. The Village may require proposed changes to be submitted for review prior to incorporation into the approved plans or implementation. Any modifications made during plan implementation without prior approval by the project engineer under subsection 6., below, and the Village are subject to enforcement action.
 4. Notification. The Village Engineer and Building Inspector shall be notified at least 3 working days before commencing any work in conjunction with approved plans. The Village Engineer and Building Inspector shall also be notified of proposed plan modifications under subsection (9)(a)3., above, and within one working day of completing construction of a storm water BMP. The Village may require additional notification according to a schedule established by the Village so that practice installations can be observed during construction.
 5. Village Access. The Village Engineer, Building Inspector, or its designee shall be permitted access to the site for the purpose of inspecting the property for compliance with the approved plans and other permit requirements. All costs of said inspection shall be paid for by permit holder.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.09

6. Project Engineer/Landscape Architect. The permit holder shall provide an engineer licensed in the State of Wisconsin to be responsible for achieving compliance with approved construction plans, including implementation of the approved storm water BMP construction inspection plan under subsection (11) (g) 10 below, and verification of construction in accordance with subsection (d), below. The Village Engineer may exempt sites from this requirement in whole or in part if the Village Engineer determines the environmental risks are limited, and engineering oversight is not necessary during construction to ensure compliance with this ordinance. If warm season or wetland plantings are involved, the permit holder shall also provide a landscape architect or other applicable native vegetation specialist to oversee and verify the planting process and its successful establishment.
7. Inspection Log. All best management practices shall be inspected within 24 hours after each rain event of 0.5 inches or more that results in runoff, or at least once each week. Where land disturbing activity is one (1) acre or greater, or approved plans involved the installation of a storm water BMP, the permit holder shall provide a qualified professional to conduct inspections and maintain an inspection log for this site. The Inspector shall not be the same person charged with installing the required BMPs. The inspection log shall include the name of the inspector, the date and time of the inspection, a description of the present phase of construction, the findings of the inspection, including an assessment of the condition of erosion and sediment control measures and the installation of storm water management BMPs, and any action needed or taken to comply with this section. The inspection log shall also include a record of BMP maintenance and repairs conducted under subsection (9)(a)8. and 9., below. The permit holder shall maintain a copy of the inspection log at the construction site or via the Internet, and shall notify the Village Engineer and Building Inspector of the method of availability upon permit issuance. If the inspection log is maintained on site, the Village may view or obtain a copy at any time during normal business hours until permit termination under subsection (b), below.

If the inspection log is made available via the Internet, the permit holder shall notify the Village Engineer and Building Inspector of the appropriate Internet address and any applicable access codes, and shall maintain the availability of the log until permit termination under subsection (b), below. The Village Engineer, Village Building Inspector or its designee will complete site inspections under this section to maintain compliance with the Village's Wisconsin Pollutant Discharge Elimination System permit. All costs of said inspections shall be paid by the permit holder. These Village inspections will not absolve the permit holder from their

responsibilities under other permits and regulatory agencies. In the event violations are found during Village inspections, the frequency of Village inspections may be increased.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.09

8. **BMP Maintenance.** The permit holder shall maintain and repair all best management practices within 24 hours of inspection, or upon notification by the Village, unless the Village approves a longer period due to weather conditions. All BMP maintenance shall be in accordance with approved plans and applicable technical standards until the site is stabilized and a permit termination letter is issued under subsection (b) below. The permit holder, upon approval by the Village, shall remove all temporary erosion control practices such as silt fence. The permit holder, in accordance with approved plan and applicable technical standards, shall maintain permanent storm water management practices until maintenance responsibility is transferred to another party or unit government pursuant to the recorder maintenance agreement.
 9. **Other Repairs.** The permit holder shall be responsible for any damage to adjoining properties, municipal facilities or drainage ways caused by erosion, siltation, runoff, or equipment tracking. The village may order immediate repairs or clean-up with road rights-of-way or other public lands if the Village determines that such damage is caused by activities regulated by a permit under this section. With the approval of the landowner, the Village may also order repairs or clean-up on other affected property. The costs for all such repairs or clean-up shall be paid by the permit holder.
 10. **Emergency Work.** The permit holder authorizes the Village, in accordance with the enforcement procedures under subsection (15), to perform any work or operations necessary to bring erosion control or storm water management practices into conformance with the approved plans and consents to charging such costs against the financial assurance pursuant to subsection © below or a special assessment or charge against the property as authorized under Ch. 66, VII Wis. Stats.
 11. **Permit Display.** The permit holder shall display the storm water permit in a manner that can be seen from the nearest public road and shall protect it from damage from weather and construction activities until permit termination under subsection (b), below
 12. **Other Requirements.** The Village may include other permit requirements that the Village determines are necessary to ensure compliance with this section, such as preconstruction or plan implementation meeting prior to issuance of a storm water permit.
- ii. Storm water Permit Issuance, Duration, Amendments, Transfer and Termination.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.09

1. Permit Issuance. The Village shall issue a permit to the applicant after verifying that all applicable conditions of this section and possibly other related permits have been met, including the submittal of contact information for all responsible parties and the submittal of the financial assurance under subsection (c), below. The Village will not issue a storm water permit if the Village determines that the proposed construction timelines and best management practices will not comply with the erosion control plan requirements under subsection (10), or the purposes of the ordinance under subsection (3).
 2. Permit Duration. The Village shall establish an expiration date for all storm water permits based in the construction schedules in the approved erosion control and storm water management plans. If no project-specific permit duration is specified, the storm water permit shall be valid for a period of 2 years after the date of issuance. The applicant shall notify the Village of any changes to the proposed schedule prior to permit issuance.
 3. Permit Amendments. The Village may amend any terms of a storm water permit, including extending the permit expiration date, if the Village determines it is necessary to ensure compliance with this section. The applicant shall request an amendment to a storm water permit at least 2 weeks before permit expiration on a form provided by the Village for that purpose and shall pay the corresponding fee. The Village may require additional erosion control or storm water management measures as a condition of granting a permit amendment.
 4. Permit Transfer. The Village may transfer a storm water permit issued under this section to a new applicant upon a written request from the applicant and payment of the corresponding fee. The permit transfer shall not take effect until the Village verifies in writing that the new applicant has satisfied all conditions of this section, including an updated list of responsible parties and the submittal of a new financial assurance under this subsection (c), below, and approved of the Village Board.
 5. Permit Termination. The Village shall issue a permit termination letter to the permit holder upon releasing the financial assurance under subsection (c), below, which shall serve as documentation that all conditions of this section have been satisfied and the permit has been terminated.
- iii. Financial Assurance.
1. Purpose. All applicants are required to submit a financial assurance to ensure compliance with the approved erosion control and storm water management plans and other storm water permit requirements.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.09

2. Type and Authority. The Village Attorney shall determine the acceptable type and form of financial assurance, which may include cash, a bond, an escrow account or irrevocable letter of credit. The Village shall, upon written notice to the permit holder, be authorized to use funds to complete activities required in the approved plans or this ordinance if the permit holder or other responsible party defaults or does not properly implement the requirements.
3. Amount. The amount of the financial assurance shall be determined by the Village Engineer based upon current construction costs or applicable bid prices and shall not exceed the estimated cost of completing the approved grading, erosion control and storm water management plans, plus a 20% contingency.
4. Exemption. Publicly funded land disturbing or land development activities shall be exempt from providing a financial assurance.
5. Conditions for Release. The Village shall release the financial assurance, and issue a termination letter in accordance with subsection (b)(5)., above, only after determining full compliance with the permit and this section, including the following:
 - A. Accepting an “as-built” survey certified pursuant to subsection (d)1., below;
 - B. Accepting verification of construction and plantings (if applicable) pursuant to subsection (d)2., below;
 - C. Receiving a copy of the recorded maintenance agreement and any applicable addenda, including as-builts with shot elevations pursuant to subsection (13) of this section.
6. Partial Release. The permit holder may apply for a partial release of the financial assurance based on the completion or partial completion of various construction components or satisfaction of individual requirements noted above.
7. Amounts Withheld. The Village shall withhold from the financial assurance amount released to the permit holder any costs incurred by the Village to complete installation or maintenance of best management practices through enforcement action or prior to the transfer of maintenance responsibilities through an approved maintenance agreement, or other unpaid fees or costs incurred by the Village associated with the enforcement of this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.09

8. Other Financial Assurances. The financial assurance provisions of this section shall be in addition to any other financial assurance requirements of the local community for other site improvements. Any arrangements made to share financial assurances with the local community shall be made at the discretion of the Village and shall be at least as restrictive as the requirements on this section.
- iv. Construction and Planting Verification.
4. As-Build Survey. To ensure compliance with this section and to serve as a basis for the engineering verification under subsection (d)2., below, an as-built survey shall be completed in accordance with Village standards and certifies as accurate by a registered land surveyor or an engineer licensed in the State of Wisconsin. As-built plans shall be submitted to the Village for all storm water management BMPs, bridges and culverts pursuant to subsection (11)(d)6.D., below, and other permanent best management practices or practice components as deemed necessary by the Village to ensure its long-term maintenance. The Village may require a digital submittal of the as-built survey, in accordance with Village standards.
 5. Verification. A professional engineer licensed in the State of Wisconsin shall verify, in accordance with Village standards, that the engineer has successfully completed all site inspections outlined in the approved plans and that construction of all storm water management BMPs, as determined by the Village, comply with the approved plans and applicable technical standards or otherwise satisfy all the requirements of this section. As-built verifications of storm water management BMPs shall have shot elevations included in the final submittal. If warm season or wetland plantings are involved, a landscape architect or native plant specialist shall verify the planting process and its successful establishment, in accordance with Village standards.
 6. Design Summaries. Any changes noted in the as-built survey or final design data compared to the design summaries approved with the final storm water management plans shall be documented and resubmitted to the Village as part of the verification under subsection (d)2., above.
 7. Fees. All Village costs associated with construction and planting verification will be paid by the permit holder.
- v. Final Inspection. After completion of construction and prior to permit termination, the Village Engineer and Building Inspector shall conduct a final inspection of all permitted sites to determine compliance with the approved plan and other applicable ordinance requirements, including determining if

the site is stabilized. If, upon inspection, the Village determines that any of the applicable requirements have not been met, the Village shall notify the permit holder what changes would be necessary to meet the requirements.

EROSION CONTROL PLAN REQUIREMENTS 16.10

16.10 EROSION CONTROL PLAN REQUIREMENTS

- A. General Erosion Control Plan Requirements and Performance Standards. An erosion control plan shall describe how the permit holder and other responsible party will minimize, to the maximum extent practicable, soil erosion and the transport of sediment from land disturbing activities to waters of the state or other property. To meet this requirement, the following performance standards shall apply:
1. All erosion control plan and associated BMPs shall comply with the planning, design, implementation and maintenance requirements of this section and the Technical Standards prepared by the Wisconsin Department of Natural Resources.
 2. All erosion control plans shall by design, achieve to the maximum extent practicable, a runoff discharge of no more than 5 tons of sediment per acre per year from sheet and rill erosion during land disturbing activities as compared with no sediment or erosion controls, until the site is stabilized.
 3. Erosion and sediment control BMPs may be used alone or in combination to meet the above noted performance standard. The requirements of subsection (10) are designed to meet this goal.

Note: Soil loss prediction tools are available that can estimate the sediment load leaving the construction site under varying land and management conditions and the application of erosion control BMPs. An example of such a tool is the Universal Soil Loss Equation (USLE), published by the USDA – Natural Resources Conservation Service. The Wisconsin Department of Natural Resources has prepared a model based on the USLE, which may be used to demonstrate compliance with the above noted performance standard.

- B. Guiding Principles for Erosion Control. To satisfy the requirements of this section, an erosion control plan shall, to the maximum extent practicable, adhere to the following guiding principles:

1. Propose grading that best fits the terrain of the site, avoiding steep slopes, wetlands, floodplains, environmental corridors and any applicable regulatory setbacks from these areas;
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;
4. Minimize the size of the disturbed area at any one time;
5. 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:

STORMWATER MANAGEMENT AND EROSION CONTROL 16.10

6. Emphasize the use of BMPs that prevent soil detachment and transport over BMPs aimed to reduce soil deposition (sedimentation) or repair erosion damage.
- C. Specific Erosion Control Plan Requirements. The following applicable requirements shall be addressed in erosion control plans to maximum extent practicable. The Village may establish more stringent erosion and sediment control requirements than the minimums set forth in this section if the Village determines that an added level of protection is needed to protect an environmentally sensitive area or other property, or to address a change made during plan implementation.
8. Access Drives and Tracking. Provides access drive(s) for construction vehicles that minimize tracking of soil off site using BMPs such as stone tracking pads, tire washing or grates. Minimize runoff and sediment from adjacent areas from flowing down or eroding the access drive.
 9. Diversion of Upslope Runoff. Divert excess runoff from upslope land, rooftops or other surfaces, if practicable, using BMPs such as earthen diversion berms, silt fence and downspout extenders. Prevent erosion of the flow path and the outlet.
 3. Inlet Protection. Protect inlets to storm drains, culverts and other storm water conveyance systems from siltation until the site is stabilized.
 4. Soil Stockpiles. Locate soil stockpiles away from channelized flow and no closer than 25 feet from roads, ditches, lakes, streams, ponds, wetlands, or environmental corridors, unless otherwise approved by the Village. Control sediment from soil stockpiles. Any soil stockpile that remains for more than 30 days shall be stabilized.
 5. Cut and Fill Slopes. Minimize the length and steepness of proposed cut and fill slopes and stabilize them as soon as practicable.
 6. Channel Flow. During construction, trap sediment in channelized flow before discharge from the site using BMPs such as sediment traps and sediment basins. Complete final grading and stabilize open channels in accordance with Village standards as soon as practicable, but in no event later than the first ground freeze or snow cover in fall.
 7. Outlet Protection. Protect outlets from erosion during site dewatering and storm water conveyance, including velocity dissipation at pipe outfalls or open channels entering or leaving a storm water management facility.

8. Overland Flow. Trap sediment in overland flow before discharge from the site using BMPs such as silt fence and vegetative filter strips.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.10

9. Site Dewatering. Treat pumped water to remove sediment prior to discharge from the site, using BMPs such as sediment basins and portable sediment tanks.
10. Dust Control. Prevent excessive dust from leaving the construction site through construction phasing and timely stabilization or the use of BMPs such as site watering and mulch, especially with very dry or fine sandy soils.
11. Topsoil Application. Save existing topsoil and reapply a minimum of 4 inches to all disturbed areas for final stabilization, unless otherwise approved by the Village, such as for temporary seeding or storm water infiltration BMPs. If adequate topsoil does not exist on the site to meet this requirement, it shall be imported or a topsoil substitute such as compost may be used, upon approval by the Village.
12. Waste Material. Recycle or properly dispose all waste and unused building materials in a timely manner. Control runoff from waste materials until they are removed or reused.
13. Sediment Cleanup. By the end of each workday, clean up all off-site sediment deposits or tracked soil that originated from the permitted site. Flushing shall not be allowed unless runoff is treated before discharge from the site.
14. Final Site Stabilization. All previous cropland areas where land disturbing activities will not be occurring under the proposed grading plans, shall be stabilized within 30 days of permit issuance. Stabilize all other disturbed areas within 7 days of final grading and topsoil application. Large sites shall be treated in stages as final grading is completed in each stage. Any soil erosion that occurs after final grading or the application of stabilization measures must be prepared, and the stabilization work redone.
15. Temporary Site Stabilization. Any disturbed site that remains inactive for greater than 7 days shall be stabilized with temporary stabilization measures such as soil treatment, temporary seeding or mulching. For purposes of this subsection, "inactive" means that no site grading, landscaping or utility work is occurring on the site or that portion of the site and that precipitation events are not limiting these activities. Frozen soils do not exclude the site from this requirement.

16. Removal of Practices. Remove all temporary BMPs such as silt fences, ditch checks and sediment traps as soon as all disturbed areas have been stabilized.
17. Site Drainage. Site drainage plans shall comply with the provisions of subsection (11)(d)6., below.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.10

18. Storm water BMP Data. When a storm water permit involves the maintenance of an existing storm water BMP, including the removal of accumulated sediment, the Village Engineer may require additional supporting data such as before/after surveys, shot elevations, design and construction details, and oversight by a professional engineer licensed in Wisconsin.
 - D. Preliminary Erosion Control Plan Contents. Preliminary erosion and sediment control plans shall contain the following items:
 1. A site map in accordance with subsection (11)(c), below;
 2. A brief narrative describing the proposed land disturbing activity, construction timeline and sequencing, and a general review of the major erosion and sediment control BMPs proposed to be used to minimize off-site impacts during the construction phase and to stabilize the site following construction;
 3. Delineation of the following items on the map under paragraph 1., above:
 - A. The area and size (in acres) of the proposed land disturbance;
 - B. The woodland and wetland areas, and the size (in acres) of each that is proposed to be lost during construction and a general description of the current vegetation types and tree sizes;
 - C. The general location of major BMPs described in paragraph 1., above.
 - E. Final Erosion Control Plan Contents. The following shall be the minimum requirements for items to be included in a final erosion and sediment control plan.
 1. Sites Less Than 1 Acre of Total Land Disturbance.
 - A. A narrative describing the proposed land disturbing activity, construction timeline and sequencing, temporary BMPs to be used to minimize off-site impacts during the construction phase, and proposed methods to stabilize the site following construction in accordance with the requirements of this section;
 - B. A survey map or scaled site plan drawing of sufficient clarity showing a north arrow, the location of proposed land disturbance, direction of flow for runoff entering and leaving the disturbed area, upslope drainage area (if known), proposed BMPs, existing and proposed

slopes, groundcover, buildings, roads, access drives, property boundaries, drainage ways, water bodies, trees, culverts, utilities and other structures within 50 feet of the proposed land disturbance;

STORMWATER MANAGEMENT AND EROSION CONTROL 16.10

- C. The name, address and daytime phone number of the person(s) charged with installing and maintaining all best management practices;
 - D. For underground utility installations, the plans must delineate where utilities will be installed, show the location of the open cut and the topography in the area, and list the total lineal feet to be installed and the lineal feet that will be done by open cut; and
 - E. Other information determined to be necessary by the Village to ensure compliance with the requirements of this chapter.
2. Sites 1 Acre or Greater in Total Land Disturbance.
- A. A site map in accordance with subsection (11)(c), below;
 - B. A map at a scale of 1-inch equals no more than 100 feet (unless otherwise noted), delineating and labeling the following applicable items;
 - a. North arrow, graphic scale, draft date, name and contact information for project engineer or planner and designation of source documents for all map features.
 - b. Proposed site topography at contour intervals not to exceed 2 feet, proposed percent slope for all open channels and side slopes and all proposed runoff discharge points from the site;
 - c. Proposed building envelopes and other land area to be disturbed and size in acres;
 - d. All woodland areas, those proposed to be lost or transplanted during construction and acres or numbers of each. For woodlands proposed to be lost, show individual trees larger than 8 inches in diameter that are located within 20 feet of proposed grading boundaries;
 - e. Temporary access drive and specified surface material and minimum depth;
 - f. Temporary flow diversion devices for upslope or roof runoff until site is stabilized;

- g. Temporary sediment trapping devices for site perimeter and inlets until site is stabilized;

STORMWATER MANAGEMENT AND EROSION CONTROL 16.10

- h. Temporary settling basin or other BMP to be used for site dewatering during utility or other subsurface work;
- i. Temporary soil stockpile sites indicating setbacks from nearby water resources or environmental corridors and the proposed erosion protection methods;
- j. Detailed drawings and cross-sections for any sediment traps, basins or other major cut or fill areas and other areas requested by the Village, showing side slopes and elevations;
- k. Final stabilization measures for open channels and erosion protection for pipe and channel inlets, outlets and emergency spillways;
- l. Location of proposed utilities, including: standard cross-section for buried utilities, associated easements, labeling the type of utility and notes on erosion control and restoration plans;
- m. Final site stabilization instructions for all other disturbed areas, showing areas to be stabilized in acres, depth of applied topsoil, seed types, rates and methodology, fertilizer, sod or erosion matting specifications, maintenance requirements until plants are well established, and other BMPs used to stabilize the site;
- n. Detailed construction notes clearly explaining all necessary procedures to be followed to properly implement the plan, including estimated starting date of grading, timing and sequence of construction or demolition, any construction stages or phases, utility installation, dewatering plans, refuse disposal, inspection requirements, and the installation, use and maintenance of best management practices proposed in the plan;
- o. Location of soil evaluations with surface evaluations and unique references to supplemental soil evaluations report forms in accordance with subsection 16.12 E., below. Also show estimated highest groundwater table depths and soil textures down to planned excavation depths, which may be on a separate map with sufficient references to the proposed site plan;
- p. Spill prevention and response procedures.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.10

q. Other items specified by the Village as necessary to ensure compliance with this section.

C. Supporting information for the plan reviewer only:

(1) A narrative summary of the erosion control plan, briefly explaining the overall plan and, any unique information that led to the selection of BMPs and how the plan meets the guiding principles under subsection (b), above, and the specific requirements under subsection (c), above;

Note: This information may be combined with a narrative for the storm water management plan under subsection (11)(g)12. The information may also be useful to the grading contractor and could not be included in the construction notes on the plan map under subsection B.2.6, above.

(2) Summary of design data for any structural BMP such as sediment basins or sediment traps. A professional engineer, licensed in the State of Wisconsin, shall stamp and sign a statement indicating all designs were completed by the Professional Engineer or under their direct supervision and certifying that they have read the requirements of this section and that, to the best of their knowledge, the submitted plans comply with the requirements;

(3) Open channel design and stabilization data to support the selected BMPs for stabilization;

(4) Soil evaluation reports, in accordance with the standards in subsection 16.12 E., with unique references and elevations that match the map under subsection B.2.6.15, above;

(5) Estimated time soil stockpiles will exist to support the selected BMPs for erosion control;

(6) Documentation that proposed utility locations and installation scheduling has been coordinated with the affected utility companies;

(7) Documentation of any other calculations used to demonstrate compliance with the performance standards in this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

16.11 STORMWATER MANAGEMENT PLAN REQUIREMENTS.

- A. General Storm water Management Plan Requirements.
1. Plan. A storm water management plan shall describe how the permit holder and other responsible parties will meet the storm water management requirements of this section and other related requirements in this section. All storm water management plans and associated BMPs shall comply with the planning, design, implementation and maintenance requirements described in this section and the Technical Standards prepared by the Wisconsin Department of Natural Resources.
- B. Guiding Principles for Storm water Management. To satisfy the requirements of this section, a storm water management plan shall, to the maximum extent practicable, adhere to the following guiding principles:
1. Preserve natural watershed boundaries and drainage patterns.
 2. Reserve adequately sized areas for storm water infiltration, detention and treatment early in the site planning process.
 3. Locate storm water BMPs prior to runoff leaving the site or entering waters of the state, and outside of wetlands, floodplains, primary or secondary environmental corridors or isolated natural areas.
 4. Minimize soil compaction and maintain predevelopment groundwater recharge areas.
 5. Minimize impervious surfaces and have them drain to vegetated areas for pollutant filtering and infiltration.
 6. Emphasize vegetate swales, warm season and wetland plantings, and low flow velocities for storm water conveyance, treatment and infiltration, especially for transportation related projects.
 7. Allow for different storm water management strategies for cleaner runoff (i.e., roofs) versus more polluted runoff (i.e., heavily used streets and parking lots).
 8. Provide for emergency overflow in all storm water BMP designs.
 9. Distribute storm water bioretention and infiltration BMPs throughout the site plan for large land developments.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- C. Site Plan Map Requirements. A site plan map and supporting data of site conditions at a scale of 1-inch equals no more than 100 feet (unless otherwise noted) shall delineate or display all the following applicable items:
1. Development title, graphic scale and north arrow.
 2. Property location description by public land survey system (¼ section, section, township, range, county).
 3. Location map (smaller scale) showing the site location within a public land survey section or subdivision, oriented the same as paragraph 4., below.
 4. Ownership boundaries, bearing, lengths and other survey references that will accurately identify the sites location, in accordance with Ch. 236, Wis. Stats., and Village mapping standards for all land divisions.
 5. Lot numbers and dimensions, including outlots for all land divisions.
 6. Name and complete contact information for the applicant, landowner, developer and project engineer.
 7. Surveyor's certificate, signed, dated and sealed for all land divisions.
 8. Sheet numbers and revision dates on every page.
 9. Existing site topography at a contour interval not to exceed 2 feet, including spot evaluations for physical features such as storm sewers and culverts (invert elevations), retaining walls, road and ditch centerlines and topographic high and low points.
 10. Location and name, if applicable, of all lakes, streams, channels, ditches, and other water bodies or areas of channelized flow on or adjacent to the site.
 11. Location and name, if applicable, of all wetlands and identification of source of delineation. These boundaries shall be field verified prior to approval of final land divisions, erosion control plans or storm water management plans.
 12. Boundaries of shoreland zones and the ordinary high-water mark (OHWM) for any navigable water body as defined by the Waukesha County Shoreland and Floodland Protection Ordinance. For final land divisions, the OHWM boundaries shall be field verified.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

13. Boundaries and elevation of the 100-year floodplains, flood fringes and floodways, as defined by the Waukesha County Shoreland and Floodland Protection Ordinance. For final land divisions, these boundaries and elevations shall be field verified.
14. Boundaries and soil symbol for each soil mapping unit and the identification of all hydric soils as defined by the USDA Natural Resources Conservation Service.
15. Locations of all available soil borings or soil profile evaluations with unique references to supplemental data report forms.
16. Location of primary and secondary environmental corridors, as defined by the Southeastern Wisconsin Regional Planning Commission. For final land divisions, these boundaries shall be field verified.
17. Location and description of isolated natural area boundaries as defined by the Southeastern Wisconsin Regional Planning Commission, woodland areas and other vegetative cover types.
18. Location and descriptive notes for existing and proposed structures within 50 feet of the property boundaries and their proposed use, including, but not limited to buildings and foundations, roads, parking areas, fence lines, access lanes, culverts (include size and type), aboveground utilities and retaining walls.
19. Location and descriptive notes for other known existing site features including, but not limited to, rock outcrops or other karst features, tile drains, buried utilities, dumps, landfills, manure or other waste storage facilities.
20. Boundaries and descriptive notes for all applicable setbacks and for "protective areas", as specified in subsection (11)(d)4., of this section.
21. Location and descriptive notes for any existing or proposed easements.
22. Location and descriptive notes for existing and proposed public dedications of parcels or right-of ways, vision corners or other known site restrictions. Road right-of-way and building setbacks shall be in compliance with all applicable administrative codes, adopted plans and ordinances.
23. Location and descriptive notes for preplanned building or waste disposal sites, when limited by site features.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

24. Location and documentation of any existing well and delineation of any applicable regulatory setbacks. In accordance with Chs. NR811 and 812, Wis. Admin. Code.
25. Notes describing source documents, date and measure of accuracy for all applicable mapping features noted above.
26. Other site information that the Village determines is necessary to administer this section.

- D. Specific Storm water Management Plan Requirements and Performance Standards. All storm water management plans and associated BMPs shall meet the following minimum requirements to the maximum extent practicable. All requirements apply to each sub watershed or storm water discharge point independently and cannot be averaged for the site. Runoff drainage to a storm water BMP from off-site must be accounted for hydraulically in any BMP design. It is highly recommended that the applicant meet with the Village Engineer and Building Inspector prior to preparing a storm water management plan to determine the applicability of those requirements early in the site planning process.

Note: The “maximum extent practicable” (MEP) standard applies to each of the seven (7) sections of plan requirements and performance standards described below.

1. Peak Discharge.
 - A. Minimum Requirements. To minimize downstream bank erosion and the failure of downstream conveyance systems, the calculated post-development peak storm water discharge rate shall not exceed the calculated predevelopment discharge rates for the 1-year, 2-year, 10-year, and 100-year, 24-hour design storms. Modeling requirements for this provision are further described in subsection (12), below.
 - B. Release Rate Per Acre. The Village Engineer may establish a maximum allowable release rate on a per acre basis that would supersede the requirements of subsection A., above for certain watersheds after the necessary hydrologic modeling is completed.
2. Total Suspended Solids.
 - a. By design, each storm water management plan shall meet the following post-development total suspended solids reduction targets,

based on average annual rainfalls, as compared to no runoff management controls.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- (1) For new land development, and in-fill development, 80% reduction in total suspended solids load;
- (2) For redevelopment, 66% reduction of total suspended solids load from parking areas and roads;
- (3) For in-fill development, 2012, 80% reduction of total suspended solids load.

3. Infiltration.

- A. BMPs shall be designed, installed, and maintained to infiltrate runoff in accordance with the performance standards in Table 1 below, except as provided in subsection E. through H., below.

**Table 1
Post-development Infiltration Performance Standards**

Percent Connected Impervious Surface	Description/Example Land Uses	Post-development Infiltration Volume	Maximum Effective Infiltration Area
Up to 40%	Description: Low Imperviousness Example land uses: Low density residential, parks Cemeteries	90% of pre-Development	1% of site
>40% up to 80%	Description: Medium Imperviousness Example land uses: Medium and high Density residential, Multi-family residential, industrial, institutional, Office park	75% of pre-Development	2% of site
>80%	Description: High Imperviousness Example land uses:	60% of pre-Development	2% of site

	Commercial strip malls, shopping centers, commercial downtowns		
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B. Modeling. Refer to subsection (12)(a) for details on calculating runoff volumes and predevelopment conditions.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- C. Pretreatment. Pretreatment shall be required before infiltrating parking lot and road runoff from commercial, industrial and institutional areas. The pretreatment shall be designed to protect the infiltration system from clogging prior to scheduled maintenance and to protect groundwater quality in accordance with subsection H., below. Pretreatment options may include, but are not limited to, oil/grease separators, sedimentation or bioretention basins, filtration swales or filter traps. All design shall comply with the technical standards in subsection 16.12 B.

Note: To achieve the infiltration requirement for the parking lots or roads, “maximum extent practicable” should not be interpreted to require significant topography changes that create an excessive financial burden. To minimize potential groundwater impacts, it is desirable to infiltrate the cleanest runoff. To achieve this, a design may propose greater infiltration of runoff from low pollutant sources such as roofs, and less from higher pollutant source areas such as parking lots.

- D. Infiltration Prohibitions. Due the potential for groundwater contamination, runoff from the following areas are prohibited from meeting the infiltration requirements:

- (1) Runoff from outdoor material storage and loading docks for Tier 1 and Tier 2 industrial facilities, as identified in §NR 216(2), Wis. Admin. Code. Parking lot runoff from Tier 1 industrial facilities is prohibited. Parking lot runoff from Tier 2 industrial facilities may be infiltrated, but may require pretreatment.
- (2) Runoff from fueling and vehicle maintenance areas, not including rooftops and canopies.
- (3) Infiltration of runoff within 1,000 feet upgradient or within 1000 feet downgradient of karst features.
- (4) Areas within 400 feet of a community water system well as specified in §NR811.16(4), Wis. Admin. Code, or within 100 feet of a private well as specified in §NR812.08(4), Wis. Admin. Code, for runoff infiltrated from commercial, industrial and institutional land uses or regional devices for residential development, not including rooftop runoff.
- (5) Areas where contaminants of concern, as defined in §NR720.03(2), Wis. Admin. Code, are present in the soil through which infiltration will occur.

E. Separation Distances. Infiltration BMPs shall be located so the characteristics of the soil and the separation distance between the bottom of the infiltration BMP and the elevation of the highest groundwater table or the top of bedrock are in accordance with Table 2.

Table 2
Infiltration BMP Separation Distances and Soil Characteristics

Source Area	Groundwater or Bedrock Separation Distance	Soil Characteristics
Industrial, Commercial, and Institutional Parking Lots and Roads	5 feet or more	Filtering Layer
Residential Arterial Roads	5 feet or more	Filtering Layer
Roofs draining to subsurface infiltration practices	1 foot or more	Native or Engineered Soil with Particles Finer than Coarse Sand
Roofs draining to surface infiltration practices	Not Applicable	Not Applicable
All other impervious source areas	3 feet or more	Filtering Layer

F. Infiltration Exemptions. The infiltration requirements of this subsection may be exempted if soils have a measured infiltration rate of less than 0.6 inches per hour using a scientifically credible field test method; and the Village Engineer determines it would be impracticable to modify existing soil conditions based on soil profile evaluations extending five (5) feet below the proposed bottom of the infiltration system.

Note: USDA soil textures of sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, or clay are generally considered unsuitable for infiltration and would require replacement or modification.

G. Alternate Runoff Uses. Where storage and reuse of runoff are employed, such as landscape watering, toilet flushing, laundry or irrigation, or storage on green roofs where an equivalent portion of the runoff is captured permanently by rooftop vegetation, such alternate uses shall be given equal credit toward the infiltration volume required by this section.

H. Groundwater Protection.

(1) Infiltration systems designed in accordance with this subsection shall, to the extent technically and economically feasible, minimize the level of pollutants infiltrating to

groundwater and shall maintain compliance with the preventative action limit at a point of standards application in accordance with Ch. NR140, Wis. Admin. Code.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

However, if site-specific information indicates that compliance with a preventive action limit is not achievable, the infiltration BMP may not be installed or shall be modified to prevent infiltration to the maximum extent practicable.

(2) Notwithstanding (i) above the discharge from BMPs shall remain below the enforcement standard at the point of standards application.

(3) All storm water BMPs shall comply with the applicable provisions of Chapter NR 815 Wis. Admin. Code relating to injection wells.

(4) All storm water BMPs shall comply with the provisions of any applicable wellhead protection plan for a community water supply under Ch. NR811, Wis. Admin. Code.

4. Protective Areas.

A. Definitions. "Protective area" means an area of land that commences at the top of the channel of lakes, streams and rivers, or at the delineated boundary of wetlands, and that is the greatest of the following widths, as measured horizontally from the top of the channel or delineated wetland boundary to the closet impervious surface. However, in this section, "protective area" does not include any area of land adjacent to any stream enclosed within a pipe or culvert, such that runoff cannot enter the enclosure at this location.

(1) For outstanding resource waters and exceptional resource waters, 75 feet.

(2) For perennial and intermittent streams identified by Waukesha County, 50 feet. If there is a discrepancy between Waukesha County and the applicable United States Geological Survey 7.5-minute series topographic map, the more stringent stream identification shall apply.

(3) For lakes, 50 feet.

(4) For wetlands not subject to (v) or (vi), 50 feet.

(5) For highly susceptible wetlands, as determined by the Village, 75 feet. Highly susceptible wetlands include the following types: calcareous fens, sedge meadows, bogs, low prairies, conifer

swamps, lowland hardwood swamps and ephemeral ponds. Wetland boundary delineations shall be made in accordance with Ch. NR 103, Wis. Admin. Code. This paragraph does not apply to wetlands that have been completely filled in accordance with all applicable state and federal regulations.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

The protective area for wetlands that have been partially filled in accordance with all applicable state and federal regulations shall be measured from the wetland boundary delineation after fill has been placed.

- (6) For less susceptible wetlands, 10% of the average wetland width, but no less than 10 feet nor more than 30 feet, unless otherwise required by another applicable regulation. Less susceptible wetlands include degraded wetlands dominated by invasive species such as reed canary grass.
 - (7) In subsection A.(i), (iv) and (v), determinations of the extent of the protective area adjacent to wetlands shall be made on the basis of the sensitivity and runoff susceptibility of the wetland on accordance with the standards and criteria in Ch. NR 103, Wis. Admin. Code.
 - (8) For concentrated flow channels with drainage areas greater than 130 acres, 10 feet.
- B. Requirements. The following requirements shall be met for all land development activity located within a protective area:
- (ii) Impervious surfaces shall be kept out of the protective area, except for structures such as authorized and defined under shoreland and floodland zoning. The erosion control plan shall contain a written site-specific explanation for any parts of the protective area that are disturbed during construction. If there is no practical alternative to locating an impervious surface in the protective area, the storm water management plan shall contain a written, site specific explanation, and a technical exemption may be applied for under sub. (e) below.
 - (iii) Where land disturbing activity occurs within a protective area, and where no impervious surface is present, adequate sod or self-sustaining vegetative cover of 70% or greater shall be established and maintained. The adequate sod or self-sustaining vegetative cover shall be sufficient to provide for bank stability, maintenance of fish habitat and filtering of pollutants from upslope overland flow areas under sheet flow conditions. Non-vegetative materials, such as rock, riprap, may be employed on the bank as necessary to prevent erosion, such as on steep slopes or where high velocity flows occur.
 - (iv) Best management practices such as filter strips, swales, or wet detention basins that are designed to control pollutants from non-point sources may be located in the protective area, but shall not

encroach into wetlands, floodplains or primary or secondary environmental corridors.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- C. Protective Area Exemptions. The protective area requirements of this subsection may be exempted in accordance with subsection (e), below, and do not apply to the following:
- (1) Structures that cross or access surface waters such as boat landings, bridges and culverts;
 - (2) Structures constructed in accordance with §61.351, Wis. Stats.; and
 - (3) Sites where runoff does not enter the surface water, including wetlands, without first being treated by a BMP to meet the total suspended solids requirements under sub. 2 above and peak discharge requirements under sub. 1 above, except to the extent that vegetative groundwater is necessary to maintain bank stability.
5. Fueling and Vehicle Maintenance. Fueling and vehicle maintenance areas shall have BMPs designed, installed and maintained to reduce petroleum within runoff such that the runoff that enters waters of the State contains no visible petroleum sheen.
6. Site Drainage. Measures shall be implemented to ensure proper site drainage, prevent property damage and protect public health and safety, including the following minimum requirements;
- A. Drainage Easement. Perpetual drainage easements or other deed restrictions shall be recorded on the property to preserve major storm water flow paths and permanent storm water BMP locations. Covenants in these areas shall not allow buildings or other structures and shall prevent any grading, filling or other activities that interrupt or obstruct flows in any way. Covenants shall also specify maintenance responsibilities and authorities in accordance with subsection (13).
 - B. Site Grading. Site grading shall ensure positive flows away from all buildings, roads, driveways and septic systems, be coordinated with the general storm water drainage patterns for the area, and minimize adverse impacts in adjacent properties.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- C. Street. Drainage. All street drainage shall be designed to prevent concentrated flows from crossing the traffic lanes to the maximum extent practicable. Design flow depths at the road centerline for on-street drainage, shall not exceed 6 inches during the peak flows generated by the 100-year, 24-hour design storm, using planned land use conditions for the entire contributing watershed area.
- D. Bridges and Cross-Culverts. All new or modified bridges and cross-culverts shall comply with applicable design standards and regulations, facilitate fish passage and prevent increased flooding or channel erosion upstream or downstream from the structure. All bridges and cross culverts on collector and arterial roadways shall be designed to convey the 100-year, 24-hour design storm. All bridges and cross culverts on local roadways shall be designed to convey 10-year, 24-hour design storm, while providing an overland flow path that does not impact any structures for the 100-year, 24-hour design storm. A floodplain analysis shall be required for all developments impacting a navigable waterway. This analysis must demonstrate no adverse offsite impacts, in accordance with State and Federal regulations and may require larger structures than those specified above. Design flow depths at the road centerline for all crossings shall not exceed 6 inches during peak flows generated by the 100-year, 24-hour design storm, using planned land use conditions for the entire contributing watershed area. All predevelopment, run-off storage areas with the flow path upstream of bridges and cross-culverts shall be preserved and designated as drainage easements, unless compensatory storage is provided and accounted for in modeling. As-built documentation shall be submitted in accordance with subsection (9) for all new or modified structures that are located within a mapped floodplain or that the Village Engineer determines to be necessary to maintain floodplain modeling for the applicable watershed.
- E. Subsurface Drainage. To avoid property and other damages from groundwater, all buildings planned for human occupation on a regular basis shall meet all of the following:
- (1) Basement floor surfaces shall be built a minimum of two foot above the highest groundwater table elevation, as documented in the submitted soil evaluations in accordance with Village Standards. On sloped sites, basements may be allowed partially below the highest groundwater table only on the upslope side if they meet Village drainage system standards for design, discharge, engineering oversight, and long-term maintenance. For these sites, the 2-foot

groundwater separation will be enforced at the further downslope point of the basement.

(2) Avoid hydric soils as much as possible.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- (3) The Village shall be notified of any drain tiles that are uncovered during construction, which the Village may require to be restored or connected to other drainage systems.
- (4) No discharge of groundwater from tile lines, sump pumps or other means shall be allowed onto another person's land or any public space without the written approval of the Village and the property owner.

Note: Waukesha County has published technical standards to implement the above noted basement/groundwater separation requirements. Refer to a separate document titled "Basement Wetness and Flooding Prevention Standards" on the Waukesha County website (www.waukeshacounty.gov).

- F. Open Channels. All open channel drainage systems shall at a minimum be designed to carry the peak flows from a 100-year, 24-hour design storm using planned land use for the entire contributing watershed area. Side slopes shall be no steeper than 3h:1v unless otherwise approved by the Village for unique site conditions. Water surface elevations for the 100-year, 24-hour design storm shall be calculated for all existing and proposed open channels.
- G. Storm Sewers. All storm sewers shall be designed to convey the 10-year, 24-hour design storm while providing an overland flow path that does not impact any structures for the 100-year, 24-hour design storm, unless otherwise modified by the Village Engineer.
- H. Changes to storm water discharges. For sites where the Village determines the post-development storm water discharge flow paths will be significantly different than pre-development conditions, or where proposed storm water discharges may otherwise have a significant negative impact on downstream property owner(s), the Village may require the applicant to submit written authorization, record a drainage easement, or complete other legal arrangements with the affected property owner(s) prior to permit issuance.
- I. Structure Protection and Safety. Flows generated by the 100-year, 24-hour design storm under the planned land use conditions may exceed the design capacity of conveyance systems, but shall not come in contact with any buildings. For buildings designed for human occupation on a regular basis, the following additional requirements shall apply:

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- (1) The lowest elevation of the structure that is exposed to the ground surface shall be a minimum of 2 feet above the maximum water surface elevation produced by the 100-year, 24-hour design storm, including flows through any storm water BMP that may temporarily or permanently store water at a depth of greater than one foot; and
- (2) The structure shall be setback at least 50 feet from any storm water BMP that may temporarily or permanently store water at a depth of greater than one foot, including any internally drained area with a significant contributing watershed and/or limited runoff storage capacity, as determined by the Village Engineer. Setback distance shall be measured from the closest edge of water at the elevation produced by the 100-year, 24-hour design storm. The Village Engineer may exempt existing structures and structures with no basement from this requirement if the Village determines other site risks are minimal based on soil and site conditions.

Note: Waukesha County has published technical standards to implement the above noted basement/groundwater separation requirements. Refer to a separate document titled "Basement Wetness and Flooding Prevention Standards" on the Waukesha County website (www.waukeshacounty.gov).

7. Additional Requirements. The Village may establish more stringent requirements than the minimum set forth in this section, such as addressing thermal impacts of storm water, downstream flooding, a total maximum daily load (TMDL) standard for a watershed, other applicable state or federal laws, an order of any court of competent jurisdiction, or chronic wetness conditions, if the Village determines that an added level of protection is needed.

E. Technical Exemptions.

1. Exemption Criteria. Following the provisions of this subsection, the Village may exempt a site or a portion of a site from meeting certain technical requirements of this section if the Village determines that the criteria under sub. (d) above or one or more of the following applies:

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- A. Off-site BMPs. The requirement has been satisfied through the use of off-site BMPs. Off-site BMPs could be installed beyond the boundaries of the property covered by the application as part of a regional storm water management plan or through other legal arrangements. However, to be eligible for this exemption, the off-site BMPs must treat runoff from the site covered by the application:
- B. No significant Off-Site Impacts. The proposed land disturbing or land development activity is less than one acre in size and the Village has determined the activity will have no significant impact on another property or an environmentally sensitive area due to internal drainage or other site conditions that limit the potential impacts of runoff from the proposed activity.

Note: Only ordinance requirements that address potential impacts from a proposed storm water discharge would be eligible for this exemption. Examples of requirements that may still apply to a newly constructed building include drainage easements, setbacks, basement/groundwater separation, and other site drainage or flood prevention standards.

- C. Site Conditions. It is impracticable to meet the requirement due to site conditions such as slopes, soils, proximity to existing structures or desirable trees, limited site dimensions, surrounding land uses, the potential for groundwater contamination, public health or safety problems, or other factors beyond the control of the applicant. No site shall be entitled to an exemption under this paragraph due solely to the size of the proposed land development activity in relation to the parcel size. However, the Village shall provide special consideration in granting exemptions under this paragraph for the following sites:
 - (1) Redevelopment sites.
 - (2) In-fill development areas less than 5 acres.
 - (3) Highway projects where limited public right-of-way land is available for the installation of storm water BMPs.
 - (4) Land developments with less than 10% of the proposed disturbed area planned to be connected impervious surfaces and the total cumulative area of all impervious areas is less than one acre using the final build-out condition.
2. Application for Exemption. An exemption under subsection (e) 1., above, may only be granted by the Village Board upon the applicant submitting the following items to the Village, which shall constitute a completed application:

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- A. A written request describing the provisions of this subsection for which an exemption is being requested and an explanation of why;
 - B. A site plan in accordance with subsection (c), above, including the delineation of the area and size (in acres) to which the exemption would apply and any other storm water BMPs required to meet this section or as recommended in a regional storm water management plan;
 - C. The necessary technical documentation to demonstrate that the site meets one or more of the criteria for which an exemption is being applied, including documentation of the applicable provisions of any regional storm water management plan that may be involved;
 - D. For off-site BMPs under subsection 1.A., above:
 - (1) Documentation that the necessary BMPs have been properly installed, including as-built plans, construction certification and design summaries in accordance with subsection (9)(d);
 - (2) A copy of the recorded maintenance agreement in accordance with subsection (13) and any other easements or legal arrangement that may be involved to ensure the long-term maintenance of the off-site BMPs.
 - (3) Documentation of payment of any applicable fees that may be required by a unit of government charged with implementing a regional storm water management plan.
 - E. Other materials that the Village determines to be necessary to make a determination under this subsection or to comply with this section.
3. Review Procedures. The Village shall review all exemption application materials submitted under subsection(e)2., above, determine compliance with this section and notify the applicant of a decision within 20 working days of the submittal date, in accordance with the procedures under subsection (8)(f), above. The Village Board may approve exemptions under subsection (e), above. In consideration of all exemption requests, the Village shall ensure that the applicant meets the requirements of this section to the maximum extent practicable.
 4. Exemption Fee. For those sites that are exempted under this subsection, and are not publicly funded, the applicant shall contribute funds to the Village to be used exclusively for storm water BMP implementation or stream restoration expenses within the Village. The amount of the payment

shall be based on the average costs for the typical BMPs that would have been required on-site to comply with the requirements of this section had an exemption not been granted.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

5. Appeal. If the applicant does not agree with any determination of the Village under this subsection, the applicant may appeal the decision pursuant to the procedures in subsection (15)(c).
- F. Preliminary Storm water Management Plan Requirements. Preliminary storm water management plans shall contain the following applicable items:
1. Drafting date and contact information for the project engineer with all other mapping elements and scale consistent with the site plan map;
 2. Delineation of existing and proposed watersheds, sub-watersheds and major flow paths with the site and draining into the site from adjacent properties;
 3. Location, type and preliminary design of proposed storm water BMPs needed to comply with this section;
 4. Location and type of major storm water conveyance systems proposed for the site;
 5. Existing and proposed storm water discharge points;
 6. Location and preliminary dimensions of proposed drainage easements;
 7. Location of soil borings and soil profile evaluations with surface elevations and unique references to supplemental data sheets, as needed to determine feasibility of any proposed storm water BMP and to comply with applicable BMP technical standards;
- Note:* The required location, depth and type of soil evaluations will depend on the stormwater BMPs proposed for the site. In general, soil profile evaluations usually need to extend to a depth of 3 to 10 feet below the proposed bottom elevation of storm water BMPs. Refer to BMP technical standards for details.
8. Preliminary location of access lanes for maintenance of storm water BMPs;
 9. Support documentation for the plan reviewer, including:
 - A. A preliminary plan narrative describing site drainage, ultimate receiving water body for off-site discharges, major site restrictions, and how the preliminary storm water management plan will meet the requirements of this section and other objectives identified by the project engineer;

B. Summary of watershed, sub-watershed and land use data in acres and the preliminary results of any hydrology calculations;

C. Soil profile evaluation data in accordance with BMP technical standards;

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

D. Proposed ownership and maintenance responsibilities for all proposed storm water BMPs.

G. Final Storm water Management Plan Requirements. Final storm water management plans shall contain the following applicable items;

1. Drafting date and contact information for the project engineer, with all other mapping elements and scale consistent with the site plan map;

2. Location of existing and proposed storm water discharge points;

3. Delineation and labeling of all proposed impervious areas and accompanying area computations;

4. Final design drawings of all proposed storm water BMPs with unique references to support documentation, prepared in accordance with minimum Village standards and of sufficient clarity for those responsible for site grading, including;

A. Plan reviews showing the location of proposed BMPs in combination with the site plan map at a scale of 1-inch equals no more than 100 feet;

B. Additional detail plan view drawings at a scale of 1-inch equals no more than 40 lineal feet, showing proposed 2-foot contours and all critical design features and elevations;

C. Detailed cross-sections and profiles of each BMP showing all critical design features, side slopes, structures, soil profiles and applicable elevations, including highest groundwater table;

D. Detailed drawings or material specifications for inlets or outlets.

5. Type, size, location and cross-sections of all pipes, open channels, grade stabilization structures and other proposed storm water conveyance systems, with unique references to support documentation;

6. Location and dimensions of proposed drainage easements;

7. Location, dimensions and surfacing material or soils data of proposed access lanes and delineation of easements needed to allow future maintenance of all storm water BMPs in accordance with subsection (13)(b), below. The minimum width of any access easement shall be 15 feet.
8. Location of soil borings and soil profile evaluations with surface elevations and unique references to supplemental data sheets, as needed to determine feasibility of any proposed storm water BMP and to comply with applicable technical standards;

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

9. Detailed construction notes explaining all necessary procedures to be followed to properly implement the plan, including planting and landscaping specifications, timing and sequencing of construction and any temporary measures needed to protect BMPs during the construction phase;
- 10.A detailed storm water BMP construction inspection plan, outlining the critical elements in the plan that need to be surveyed or inspected by a representative of the project engineer, the Village, and the timing and notification requirements involved;
- 11.A final storm water BMP maintenance agreement in accordance with subsection (13);
- 12.Support documentation summarized in accordance with Village standards, including but not limited to:
 - A. A narrative summary of the storm water management plan, briefly explaining any unique information that led to the selection of BMPs how the proposed plan meets the guiding principles under subsection (b), above, and the specific storm water planning requirements under subsection (d), above;
 - B. Maps of existing and proposed watersheds, sub-watersheds, Tc/Tt flow paths, soil types, hydrologic soil groups, land uses/cover type and accompanying runoff curve numbers within the site and draining into the site from adjacent properties, with unique references to hydrology data summaries and a description of the ultimate receiving water body(ies) for off-site discharges;
 - C. Predevelopment and post-development hydrology and pollutant loading (if applicable) data for each watershed, such as peak flows and runoff volumes, as needed to meet the requirements of this section. All major assumptions used in developing input parameters shall be clearly stated and cross-referenced to the maps under paragraph B., above;
 - D. Impervious surface maps and calculations of runoff volumes and effective infiltration areas, in accordance with subsection (d)3., above;
 - E. Hydraulic and hydrologic data summaries for all existing and proposed pipes, open channels, grade stabilization structures and other storm water conveyance systems, and the necessary documentation to demonstrate compliance with the site drainage requirements under subsection (d)6., above;

STORMWATER MANAGEMENT AND EROSION CONTROL 16.11

- F. BMP design data for each proposed BMP, showing how it complies with applicable technical standards and the requirements of this section;
- G. Soil evaluation reports, following the standards in subsection 16.12 E., with matching references to map features showing their location and elevations;
- H. A cover sheet stamped and signed by a professional engineer registered in the State of Wisconsin indicating that all plans and supporting documentation have been reviewed and approved by the engineer and certifying that they have read the requirements of this section and that, to the best of their knowledge, the submitted plans comply with the requirements;
- I. Cost estimates for the installation of proposed storm water BMPs, which shall serve as a basis for the financial assurance under subsection (9)(c), above. The applicant may use average costs for BMP installations in the Village rather than specific estimates, upon approval by the Village;
- J. For sites where changes are proposed in storm water flow paths, or where proposed storm water discharges may otherwise have a significant negative impact on downstream property owner(s), the Village may require the applicant to submit written authorization or complete other legal arrangements with the affected property owner(s); and

13. Other items deemed necessary by the Village to ensure compliance with the requirements of this section.

16.12 TECHNICAL STANDARDS AND SPECIFICATIONS.

A. Hydrologic and Hydraulic Computations.

- 1. Models. All computations of runoff volumes and peak flow rates used in the development of erosion control and storm water management plans in accordance with this section shall be based on United States Department of Agriculture – natural Resources Conservation Service (NRCS) methodology. Models such as SLAMM, P8 or other Village approved models may be used to evaluate the efficiency of the design in reducing total suspended solids to meet this section. Models such as WinSLAMM, RECARGA or other Village approved models may be used to evaluate the efficiency of the design in meeting the infiltration requirements of this section. Models distributed and supported by the Wisconsin Department of Natural Resources may be used to determine compliance with calculating soil loss on construction sites.

2. Rainfall Depths. To determine compliance with this section, the following design storm rainfall depths shall be used, which are derived from NRCS publications and extrapolated for the Village of Dousman:

STORMWATER MANAGEMENT AND EROSION CONTROL 16.12

Table 3
Rainfall Depths Per Design Storm: Waukesha County

Design Storm	1-year 24-hour	2-year 24-hour	10-year 24-hour	100 year 24-hour
Rainfall Depths	2.4 inches	2.7 inches	3.81 inches	6.18 inches

Note: The above noted rainfall depths are used in NRCS runoff modeling methodology and are based on Volume 8 of the Atlas 14, published by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 2013.

- Runoff Curve Numbers. All computations of predevelopment conditions as specified in this section shall use those NRCS runoff curve numbers assigned for a “good” hydrologic condition for each land cover type. For lands where the predevelopment land use was woodland, grassland/meadow or cropland, the following NRCS curve number values shall be used as maximums:

Table 4
Maximum Runoff Curve Numbers for Certain Predevelopment Land Uses

Predominant Land Use	Hydrologic Soil Group (letter)/ Maximum Runoff Curve Number (#)			
	A	B	C	D
Woodland	56	70	79	83
Grassland/Meadow	39	61	71	78
Cropland	55	69	78	83

- Average Annual Rainfalls. All modeling involving average annual rainfall or runoff volumes shall use rainfall data from the Milwaukee area between March 28 and December 6, 1969, as the typical annual rainfall patter for the Village of Dousman, unless otherwise prescribed in BMP design standards.
- Rainfall Distribution. All peak flow calculations shall use MSE3 rainfall distribution patterns, as defined in NRCS methodologies.
- Other Methods. All velocity and peak flow computations for open channels and storm sewer pipe flows shall be based on Manning’s Formula. Flow routing, culvert design, weir and orifice flow and other related hydraulic computations used to design storm water management facilities shall be

based on standard applicable engineering formulas. Any design data or methodology proposed to be used for hydrologic or hydraulic computations other than those prescribed above may be allowed upon approval by the applicable regulatory agencies and the Village Engineer.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.12

A. Best Management Practice (BMP) Design Standards.

- (1) The design, installation and maintenance of all BMPs used to meet the requirements of this section shall comply with the technical standards identified, developed or disseminated by the Wisconsin Department of Natural Resources under Ch. NR 151, Subch. V, Wis. Admin. Code.
 - (2) Where BMP standards have not been identified or developed under subsection 1., above, the Village may approve the use of other available standards, such as those from other states or the USDA Natural Resources Conservation Service.
- b. Technical Guidelines. The Village may adopt technical guidelines to facilitate the consistent administration of certain provision of this section.
 - c. Construction Specifications. The construction or installation of all BMPs and BMP components shall comply with all applicable manufacturers and industry standards and specifications, including but not limited to those published by ASTM and the USDA Natural Resources Conservation Service (NRCS).
 - d. Soil Evaluations. All soil profile evaluations and forms submitted for review by the Village under the provisions of this section shall be completed in accordance with Ch. SPS 385, Wis. Admin. Code, and any applicable state or Village standards. Where there are no specific standards for the number, location or depth of soil profile evaluations for a proposed BMP, the Village shall determine the minimum requirements based on the design of the BMP and the likely variability of the on-site soils.

Note: For details on adopted Village soil investigation procedures and forms to determine compliance with basement/groundwater separation requirements, see separate document titled "Basement Wetness and Flooding Prevention Standards" on the Waukesha County website (www.waukesha.gov).

- e. Availability. Copies of all technical references made in this section shall be available for review and distribution through the Village office during normal business hours, or over the Internet. Fees may be charged for hard copies of these items.
- f. Future Revisions or Updates. The technical references in this section are made a part of this section and shall be updated periodically in order to keep current with the field experiences, research, technological advances and the development of related technical standards by other agencies and units of government. Any future revision of the documents incorporated herein

are also made part of this section unless otherwise acted upon by the Village.

16.13 MAINTENANCE OF STORMWATER BMPS.

- A. Maintenance Agreement Required. A maintenance agreement shall be required for all permanent storm water BMPs installed to comply with the requirements of this section. The maintenance agreement shall be independent of all other restrictions or covenants and shall comply with all provisions of this section. For sites where the existing drainage system meets the requirements of this ordinance, the Village may require a maintenance agreement on pre-existing BMPs or internally drained areas to ensure the preservation and maintenance of the existing drainage system.

Note: After construction verification has been accepted by the Village of Dousman, for all planned storm water management practices, an addendum(s) to this agreement shall be recorded by the Owner showing design and construction details. The addendum(s) may contain several additional exhibits, including certification by the Village of Dousman Storm Water Permit termination, as described below.

- B. Agreement Provisions. The maintenance agreement shall, at a minimum, contain the following information and provisions:
1. Ownership. Identification of the owner(s) of the land parcel(s) where the storm water BMP(s) is located. Ownership shall be the same as those assigned maintenance responsibilities under subsection **B.7.**, unless otherwise designated in a regional storm water management plan and approved by the applicable unit(s) of government. For new land divisions, plats and certified survey maps, all storm water BMPs that collect runoff from more than one lot shall be located on outlots. For all privately owned outlots, ownership shall be by proportional undividable interest for all properties that are within the control of the applicant and drain to the BMP. However, the applicant may combine ownership of more than one BMP within the site.
 2. Location. A legal description and survey map of the storm water BMP location(s), showing associated drainage or access easements required to maintain the BMP.
 3. Design. Detailed drawings of each storm water BMP and a general description of its purpose and design, including but not limited to BMP dimensions and elevations, inlet and outlet designs, and elevations and the drainage area served by the BMP. If possible, use as-built survey information.

4. Addenda and Recording. The purpose of this addendum is to be record verified “as built” construction details, supporting design data and permit termination documentation for the storm water management practice(s). This document shall serve as an addendum to the maintenance agreement. This addendum shall include all of the following exhibits.
STORMWATER MANAGEMENT AND EROSION CONTROL 16.13
 - a. Design Summary. Contains a summary of key engineering calculations and other data used to design the storm water practice.
 - b. As Built Survey. Shows detailed plan view of the storm water practice.
 - c. Engineering/Construction Verification. Provides verification from the project engineer that the design and construction of the storm water practice complies with all applicable technical standards and the Village of Dousman storm water ordinance requirements.
 - d. Storm Water Management & Erosion Control Permit Termination. Provides certification that the Storm Water and Erosion Control Permit for the above noted site has been terminated.
5. Maintenance Plan. A description of all long-term maintenance activities that will likely be required for each BMP included in the agreement, and an estimated time interval between each activity. No maintenance plan may include provisions for pumping groundwater from a well to maintain proposed pond water levels, unless approved by the Village Engineer to ensure compliance with this ordinance.
6. Access. Authorization for vehicle access, including a minimum 15-foot wide access easement dedicated to the local municipality and connecting to a public road right-of-way, to allow for future BMP maintenance work. The access easement shall be of adequate soil conditions or surfacing to withstand loads produced by standard construction equipment, and shall not include any area where channelized flow of runoff occurs or where storm water may pond to a depth greater than 6 inches during a 100-year, 24-hour design storm.
7. Maintenance Responsibility. Identification of the person(s), organization, municipality or other entity responsible for long-term maintenance of the storm water BMP. The assignment of maintenance responsibilities for a privately owned storm water BMP shall, at a minimum, include all properties that are within the control

of the applicant and drain to the BMP. However, the applicant may combine the maintenance responsibilities of more than one BMP within the site.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.13

8. Inspections. Authorization for access to the property by representatives of the Village of Dousman to conduct inspections of the BMP, monitor its performance and maintenance, and notify the designated entity when maintenance or repair activities are necessary. A statement shall also be included that says, upon written notification by the Village or their designee, that the entity under subsection B, 7., above, shall, at their own cost and within a reasonable time period, have a BMP inspection conducted by a qualified professional, file a report and complete any maintenance or repair work recommended in the report.
9. Municipal Maintenance. Authorization for the Village or its designee to carry out any maintenance activities and associated inspections of the entity identified under subsection (b)6., above, if the entity does not perform the required activity within the specified time period in the notification or the local municipality does not accept the work conducted by the designated entity.
10. Special Assessment. A statement that the Village may exercise their statutory authority to levy and collect a special assessment or charge pursuant to Ch. 66, Sub ch. VII, Wis. Stats., for any services carried out relating to subsection B.8. or 9., above.
11. Binding Agreement. A statement confirming that the entire agreement shall remain binding on all subsequent owners of the property upon which the storm water BMP is located and that the restrictions shall run with the land and on any other property which is subject to maintenance responsibility in the agreement.
12. Agreement Modifications. Sole authorization for the unit of government named under subsection (b)9., above, to modify the provisions of the agreement upon 30-day notice to the current owner(s) and other parties responsible for maintenance of the storm water BMP. Any changes made to the agreement shall maintain the minimum items listed in this subsection and ensure the long-term maintenance of the BMP.
13. Other. Other information as determined to be necessary by the Village Engineer or Building Inspector to ensure compliance with this section.

C. Agreement Form, Approval Recoding.

1. Form. The Village shall provide the applicant with sample maintenance agreement forms that comply with the requirements of this section.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.13

2. Approval. The Village shall review and approve the form and content of all maintenance agreements proposed under this section and ensure compliance with all provision of this section. If the agreement does not comply, the Village shall notify the applicant what changes are needed in order to comply, in accordance with the plan review procedures in subsection (8)(f), above.
3. Recording. Upon certification of compliance with subsection (c)1. and 2., above, by the Village, the maintenance agreement shall be recorded at the Waukesha County Register of Deeds referencing any plat, certified survey or other ownership transfer device pertaining to land which contains the subject storm water BMP or is subject to maintenance responsibility in the approved agreement. For new land divisions, the recording of the maintenance agreement shall occur simultaneously with the recording of the land division. However, no storm water BMP maintenance agreement shall be recorded prior to the Village approval.
4. Copy. The permit holder shall provide a copy of the recorded agreement, including evidence of the actual recording(s), to the Village as a condition of release of the financial assurance under subsection (9)(c), above.

D. Maintenance Responsibilities Prior to a Maintenance Agreement. The permit holder and other responsible party shall be responsible for the maintenance of all storm water BMPs prior to permit termination under subsection **16.09 B.**

16.14 ILLICIT DISCHARGES.

A. Prohibitions

1. Discharges. Except for storm water and other discharges specifically exempted under subsection (b), below, no discharge, spilling or dumping of substances or material shall be allowed into receiving water bodies or onto driveways, sidewalks, parking lots or other areas that drain into the storm drainage system.
2. Connections. The construction, use, maintenance or continues existence of illicit connections to the storm drainage system is prohibited. This prohibition expressly includes, without limitation, illicit connections made prior to the adoption of this section, regardless of whether the connection was permissible under law or practice applicable or prevailing at the time of connection.

B. Exemptions. The following activities are exempt from provisions of this section unless found to have an adverse impact on the storm water:

1. Discharges authorized by a permit issued by the Wisconsin Department of Natural Resources.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.14

2. Discharges resulting from firefighting activities.
 3. Discharges from uncontaminated ground water, potable water source, roof drains, foundation drain and sump pump, air conditioning condensation, springs, lawn watering, individual residential car washing, dye testing, water main and hydrant flushing and swimming pools of the water has been de-chlorinated.
- C. Notice of Violation. Whenever the Village finds a violation of this section, the Village may order compliance by written notice of violation to the responsible party. Such notice may require without limitation:
1. The elimination of illicit connections or discharges;
 2. That violating discharges, practices or operations shall cease and desist;
 3. The abatement or remediation of storm water pollution or contaminated hazards and the restoration of any affected property;
 4. Any responsible party that fails to comply with a notice of violation under this section, shall be subject to further enforcement action under the provisions of subsection (15), below.

16.15 ENFORCEMENT.

1. Prohibited Practices. Not complying with any requirement of this section shall be deemed a violation, and shall subject the responsible party to enforcement action under this section. Prohibited practices shall include, but not be limited to, the following:
 1. Commencing any land disturbing or land development activity prior to:
 - A. Obtaining a storm water permit or an erosion control permit;
 - B. Notifying the Village, a minimum of 3 working days in advance for sites that have obtained a storm water permit or an erosion control permit; or
 - C. Installing those BMPs identified in the approved plans to be installed prior to any land disturbing or land developing activity.
 2. Failing to apply for a Village preliminary storm water review letter in accordance with subsection (8)(b) of this chapter.
 3. Failing to obtain Village certification of compliance for a final plat or certified survey map in accordance with subsection (8)(d) of this chapter.

4. Failing to comply with all permit conditions, erosion control or storm water management requirements and approved plans in accordance with this section.
5. Failing to maintain erosion control and BMPs until permit termination.
6. Failing to comply with any notice of violation.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.15

2. Violations. In addition to, and not to the exclusion or prejudice of any other penalties or remedies available to the Village, including remedies of abatement, injunction and penalties described in §25.04 of this Code, any person who shall violate any provision of this Section shall be subject to the remedies described below. Any enforcement measures shall continue until compliance is achieved or as ordered by the court. Each day that a violation continues shall constitute a separate offense. The Village is authorized to use the following methods of enforcement in any violation thereof against any applicant or responsible party that is found to be in violation of any provision of this section:
 1. Re-inspection Fee. Any violator shall be subject to the Re-inspection fees documented in Village Ordinance Number 299.
 2. Forfeiture. Notwithstanding the forfeiture amounts described in §25.04 of this Code to the contrary, any violator of this Chapter 16 shall be subject to a forfeiture of not less than \$100.00 or more than \$1,000.00 plus the cost of prosecution for each violation. Each day that a violation exists shall constitute a separate offense.
 3. Stop Work Order. Any violator is subject to an order to stop all work except that which is needed as a corrective action to bring the site into compliance.
 4. Permit Revocation. The Village may revoke a permit issued under this section. Upon loss of the permit, all construction shall cease, and the site shall be stabilized, with any costs incurred by the Village to be charged against the financial assurance.
 5. . The Village, or any person affected by activities regulated under this section, may enforce the provisions of this section by a temporary restraining order, injunction and other such relief as a court may order.
 6. Declared Nuisances. Any land disturbing or land development activity carried out in violation of the provisions of this section is hereby declared to be a nuisance per se, and the Village may apply to any court of competent jurisdiction to restrain or abate such nuisance.
 7. Emergency Action. The Village may enter upon the property and take any necessary emergency action if the Village determines that the site in violation is an immediate threat to public health, safety, welfare, the environment or downstream property, or if the permit holder or other violator refuses to take the corrective action as ordered by the Village. Any cost incurred by the Village as a result of this action shall be billed to the permit holder or other responsible party or subtracted from the financial assurance. The Village shall provide

reasonable notice to the permit holder and other responsible party after exercising this authority.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.15

8. Citation.

- A. The Village may elect to also use the citation method of enforcement under §66.0113, Wis. Stats., for violations of this section, including those for which a statutory counterpart exists. The procedures contained in §66.0113(3), Wis. Stats., relating to the options of an alleged violator and default are adopted and incorporated herein by reference.
- B. Authority to issue a citation under this section shall be limited to the Village Engineer, Building Inspector or his/her designee. The authority delegated to such official or employees to issue citations may only be granted or revoked by the Village Board. This subsection does not preclude the Village or any authorized officer from proceeding under any other ordinance or law or by any other enforcement method to enforce any ordinance regulations or order.
- C. The schedule of cash deposits including penalty assessment, jail assessment, or any other assessment applicable by law for use with citations issued under this section shall be as adopted by the Village Board from time to time and such schedule shall be on file in the Village Hall and receipts shall be given for cash deposits. The citation shall contain the following information:
 - (1) The name and address of the alleged violator.
 - (2) The factual allegations describing the alleged violation.
 - (3) The time and place of the offense.
 - (4) The section of the ordinance violated.
 - (5) A designation of the offense in such a manner as can be reasonably understood by a person making a reasonable effort to do so.
 - (6) The time at which the alleged violator may appear in court.
 - (7) A direction that if the alleged violator elects to make a cash deposit, the statement which accompanied the citation shall be signed to indicate that the statement required under subsection B., 16.07, above, has been read. Such statement shall be sent or brought with the cash deposit.

(8) Such other information as the Village deems necessary.

3. Appeals. Section 17.61 of this Code shall apply.

STORMWATER MANAGEMENT AND EROSION CONTROL 16.16

16.16 VALIDITY.

- A. **Repeal of Conflicting Ordinances.** This section repeals all provisions of an ordinance previously enacted relating to construction site erosion control and storm water management regulations. Wherever there may be a conflict with other Village ordinances relating to erosion control, storm water management or site drainage, the more restrictive provision shall apply, as determined by the Village.

- B. **Declaration of Severability.** The several sections, subsections and paragraphs of this section are hereby declared to be severable. If any section, subsection, or paragraph or subparagraph of this section shall be declared by a decision of a court of competent jurisdiction to be invalid, such decision shall not affect the validity of the other provisions of the Ordinance, or of the section of which the invalid portion or paragraph may be a part.