

ARTICLE VI. STORMWATER MANAGEMENT STANDARDS AND PLANNING

DIVISION 1. IN GENERAL

Sec. 20-300. Authority.

(a) This ordinance is adopted by the Common Council of the City of Appleton under the authority granted by §62.234, Wis. Stat. This ordinance supersedes all ~~conflicting and contradictory provisions of a~~ stormwater management ~~regulations—ordinance~~ previously enacted under §62.23, Wis. Stat. that relates to stormwater management regulations. Except as specifically provided for in §62.234, Wis. Stat., §62.23, Wis. Stat. applies to this ordinance and to any amendments to this ordinance.

(b) The provisions of this ordinance are deemed not to limit any other lawful regulatory powers of the same governing body.

(c) The Common Council of the City of Appleton hereby designates the Director of Public Works ~~or designee~~ to administer and enforce the provisions of this ordinance.

(d) The requirements of this ordinance do not preempt ~~more stringent~~ stormwater management requirements that may be imposed by any of the following:

- (1) WDNR administrative rules, permits or approvals including those authorized under §281.16 and §283.33, Wis. Stat.
- (2) Targeted non-agricultural performance standards promulgated in rules by the WDNR under NR 151, Wisconsin Administrative Code.

(Ord 188-03; §1, 10-21-03)

Sec. 20-301. Findings of fact.

The Common Council of the City of Appleton finds that uncontrolled post-construction ~~stormwater—runoff from land development activity~~ has a significant impact upon water resources and the health, safety, and general welfare of the City of Appleton and diminishes the public enjoyment and use of natural resources. Specifically, uncontrolled post-construction stormwater runoff can:

- (1) Degrade physical stream habitat by increasing streambank erosion, increasing streambed scour, diminishing groundwater recharge, diminishing

stream base flows and increasing stream temperature.

- (2) Diminish the capacity of lakes and streams to support fish, aquatic life, recreational and water supply uses by increasing pollutant loading of sediment, suspended solids, nutrients, heavy metals, bacteria, pathogens and other urban pollutants.
- (3) Alter wetland communities by changing wetland hydrology and by increasing pollutant loads.
- (4) Reduce the quality of groundwater by increasing pollutant loads.
- (5) Threaten public health, safety, property and general welfare by overtaxing storm sewers, drainage ways and other drainage facilities.
- (6) Threaten public health, safety, property and general welfare by increasing major flood peaks and volumes.
- (7) Undermine floodplain management efforts by increasing the incidence and levels of flooding.

~~(8) Diminish the public enjoyment of natural resources.~~

(Ord 188-03, §1, 10-21-03)

Sec. 20-302. Purpose and intent.

(a) **Purpose.** The purpose of this ordinance is to establish long-term, post-construction runoff management set forth stormwater management requirements and criteria that will prevent and control water pollution, diminish the threats to public health, safety, welfare and the aquatic life because of runoff of stormwater from land development or redevelopment environment.

Specific purposes are to:

- (1) Further the maintenance of safe and healthful conditions.
- (2) Prevent and control the adverse effects of stormwater; prevent and control soil erosion; prevent and control water pollution; protect spawning grounds, fish and aquatic life; manage building sites, placement of structures and land uses; preserve ground cover and scenic beauty; and promote sound economic growth.

- (3) Control exceedances 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 downstream property.

(4) Minimize the amount of pollutants discharged from the separate storm sewer to protect waters of the state.

(b) **Intent.** It is the general intent of the City of Appleton that this ordinance achieve its purpose through:

- (1) Regulating long-term, post-construction stormwater ~~discharges~~ runoff from land development and redevelopment activities.
- (2) Controlling the quantity, peak flow rates, and quality of stormwater ~~discharges~~ runoff from land development and redevelopment activities.
- (3) Providing services to maintain and enhance the quality of life within the community.

(c) **Implementation.**

To this end the City of Appleton will manage post-construction stormwater runoff to protect, maintain and enhance the natural environment; diversity of fish and wildlife; human life; property; and recreational use of waterways within the city of Appleton and its extraterritorial area.

This ordinance may be applied on a site-by-site basis. The City of Appleton recognizes, however, that the preferred method of achieving the stormwater performance standards set forth in this ordinance is through the preparation and implementation of comprehensive, systems-level stormwater management plans that cover hydrologic units, such as watersheds, on a municipal and regional scale. Such plans may prescribe regional stormwater devices, practices or systems, any of which may be designed to treat runoff from more than one site prior to discharge to waters of the State of Wisconsin. Where such plans are in conformance with the performance standards developed under §281.16, Wis. Stat., for regional stormwater management measures, ~~are and have been~~ approved by the City of Appleton, ~~and constructed~~, it is the intent of this ordinance that the approved plan be used to identify post-construction management measures acceptable for the community.

(Ord 188-03, §1, 10-21-03)

Sec. 20-303. Title.

This ordinance shall be known as the Stormwater Management Standards and Planning Ordinance for the City of Appleton.

(Ord 188-03, §1, 10-21-03)

Sec. 20-304. Definitions.

The following words, terms and phrases when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Adequate sod, or self sustaining vegetative cover means maintenance of sufficient vegetation types and densities such that the physical integrity of the streambank or lakeshore is preserved, ~~and at a minimum has an effective cover of seventy percent (70%) or greater as determined by the line transect method, or another WDNR approved method.~~ Self-sustaining vegetative cover includes grasses, forbes, sedges and duff layers of fallen leaves and woody debris.

Administering authority means a governmental employee that is designated by the City of Appleton to administer this ordinance.

Agricultural facilities and practices has the meaning given in s. 281.16(1), Wis. Stats.

Agricultural use means bee keeping; commercial feed-lots; dairying; egg production; floriculture; fish or fur farming; forest and game management; grazing; livestock raising; orchards; plant greenhouses and nurseries; poultry raising; raising of grain, grass, mint, and seed crops; raising of fruits, nuts, and berries; sod farming; placing land in federal programs in return for payments in kind; owning land, at least thirty-five (35) acres of which is enrolled in the conservation reserve program under 16 USC 3831 to 3836; participation in the mile production termination program under 7 USC 1446 (d); and vegetable raising (§91.01(1), Wis. Stat.).

Atlas 14 means the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 Precipitation-Frequency Atlas of the United States, Volume 8 (Midwestern States), published in 2013.

Average annual rainfall means a typical calendar year of precipitation as determined by the Wisconsin Department of Natural Resources for users of models such as WinSLAMM, P8 or equivalent methodology, ~~excluding snow, that is considered typical.~~ An average annual rainfall for Green Bay, 1969 (March 29-November 25) is applicable for the City of Appleton.

Best Management Practice or BMP means structural or non-structural measures, practices, techniques or devices employed to avoid or minimize sediment or pollutants carried in runoff to waters of the state.

Business day means a day that offices of the City of Appleton are routinely and customarily open for business.

Cease and desist order means a court issued order to halt land ~~developing-disturbing construction~~ activity that is being conducted without the required permit or not in conformance with an existing permit.

City means the City of Appleton.

Common plan of development or sale means a development or sale where multiple separate and distinct land disturbing construction activities may be taking place at different times on different schedules but under one plan. A common plan of development or sale includes, but is not limited to, subdivision plans, certified survey maps and other developments.

Concentrated flow channel means a channel produced by erosion from runoff, or by construction, that would not be removed by tillage operations typically needed to prepare a field for crop production.

Connected imperviousness means an impervious surface connected to the water of the state via a separate storm sewer, an impervious flow path, or a minimally pervious flow path. ~~that is directly connected to a separate storm sewer or water of the state via an impervious flow path.~~

Construction site means an area upon which one or more land disturbing construction activities occur, including areas that are part of a larger common plan of development or sale where multiple separate and distinct land disturbing construction activities may be taking place at different times on different schedules but under one plan.

Design storm means a hypothetical discrete rainstorm characterized by a specific duration, temporal distribution, rainfall intensity, return frequency and total depth of rainfall. Rainfall amounts for 24-hour design rainfall events in Appleton are: 100-year, ~~5.35.50~~ inches; 10-year, ~~3.83.51~~ inches; 5-year, ~~3.33.01~~ inches; 2-year, ~~2.52.45~~ inches, and 1-year, ~~2.22.14~~ inches. The distribution shall be NOAA Atlas 14 MSE4.

Development means ~~new~~ residential, commercial, industrial or institutional land uses and associated roads.

Direct conduits to groundwater means wells,

sinkholes, swallets, fractured bedrock at the surface, sand or gravel surficial deposits, mine shafts, non-metallic mines, tile inlets discharging to groundwater, quarries, or depressional groundwater recharge areas over shallow fractured bedrock.

~~**Discharge volume** means the quantity of runoff discharged from the land surface as the result of a rainfall event.~~

Division of land means the creation from one or more parcels or building sites of additional parcels or building sites where such creation occurs at one time or through the successive partition within a 5-year period.

Effective infiltration area means the area of the infiltration system devoted specifically to active infiltration, ~~this excludes excluding~~ areas required for site access, berms, pretreatment, or other area required for the installation, operation, or maintenance of the infiltration device.

~~**Erosion** means the detachment and movement of soil, sediment or rock fragments by water, wind, ice or gravity.~~

Erosion means the process by which the land's surface is worn away by the action of the wind, water, ice or gravity.

Exceptional resource waters means waters listed in NR 102.11, Wisconsin Administrative Code.

Existing land use condition means the condition of the ~~proposed~~ development site and the adjacent properties that are present at the time of the stormwater permit application.

Extraterritorial means the unincorporated area as defined in Ch. 236, Wis. Stat.

Fee in lieu means a payment of money to the City of Appleton in place of meeting all or part of the stormwater performance standards required by this ordinance.

Filtering layer means soil that has at least a 3-foot deep layer with at least 20 percent fines; or at least a 5-foot deep layer with at least 10 percent fines; or an engineered soil with an equivalent level of protection as determined by the regulatory authority for the site.

Final stabilization means that all land disturbing construction activities at the construction site have been completed and that a uniform perennial vegetative cover has been established with a density of at least seventy percent (70%) of the cover for the unpaved areas and

areas not covered by permanent structures or that employ equivalent permanent stabilization measures.

Financial guarantee means a performance bond, maintenance bond, surety bond, irrevocable letter of credit, or similar guarantees submitted to the City of Appleton by the responsible party to assure that requirements of the ordinance are carried out in compliance with the stormwater management plan.

Governing body means the Common Council of the City of Appleton.

Impervious surface means an area that releases as runoff all or a large portion of the precipitation that falls on it, except for frozen soil. Rooftops, sidewalks, driveways, parking lots and streets are examples of surfaces that typically are impervious. Gravel surfaces are considered impervious unless specifically designed for infiltration.

~~**In-fill** means undeveloped land located within existing urban areas, surrounded by already existing development, or existing development and natural or man-made features as shown on the in-fill map. The City shall establish a map identifying parcels of land in the City that constitute in-fill. As land is developed, the land shall no longer be included as in-fill, even though the in-fill map has not yet been updated. Updates of the map by the City shall not require committee or Council approval.~~

In-fill means an undeveloped area of land located within an existing urban sewer service area, surrounded by development or development and natural or man-made features where development cannot occur.

Infiltration means the entry of process by which precipitation or surface runoff enters into or travels through the soil.

Infiltration system means a device or practice such as a basin, trench, rain garden 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.

~~**Land development (and land redevelopment) activity** means any activity that changes the volume or peak flow discharge rate of rainfall runoff or changes in the amount of soil erosion, sediment and pollutant loadings from the land surface. This applies to any change of land use including changes in vegetative cover, except this term does not include agricultural activities.~~

Land disturbing construction activity means any man-made alteration of the land surface resulting in a change in the topography or existing vegetative or non-vegetative soil cover, that may result ~~in changes~~ in runoff and lead to an increase in soil erosion and movement of sediment into waters of the state. Land disturbing construction activity includes clearing and grubbing, demolition, excavating, pit trench dewatering, filling and grading activities and parking lot reconstruction, but does not include agricultural facilities and practices, silviculture activities or parking lot resurfacing.

Land user means any person operating, leasing, renting, or having made other arrangements with the landowner by which the landowner authorizes use of his or her land.

~~**Landowner** means any person holding title to or having an interest in land.~~

Landowner means any person holding fee title, an easement or other interest in property, which allows the person to undertake cropping, livestock management, land disturbing construction activity or maintenance of storm water BMPs on the property.

Major Stormwater Management Plan means a Stormwater Management Plan for a subdivision or a plan that proposes the use of one or more ~~proprietary~~ devices to meet standards or a non-one or two family site that is not considered a Minor Stormwater Management Plan.

Maintenance agreement means a legal document that is filed with the County Register of Deeds as a property deed restriction, and that provides for long-term maintenance of stormwater management practices.

~~**MEP or maximum extent practicable** means a level of implementing best management practices to achieve a performance standard specified in this ordinance that takes 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.~~

Maximum extent practicable (MEP) means the highest level of performance that is achievable, but is not equivalent to a performance standard, taking into account the best available technology, cost effectiveness and other competing issues such as human welfare, endangered and threatened resources, historic properties and geographic features, pursuant to Sec. 20-311(f) of this code.

Minor Stormwater Management Plan means a Stormwater Management Plan for a site that has a regional stormwater facility in place that meets

applicable standards, has a 100-year event conveyance system to the regional facility in place, and is free from unusual conditions, including but not limited to, contamination, critical site designation, change in land use, high impervious ratio, or floodplain.

Natural 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 that has soils indicative of wet conditions. These wetlands include existing, mitigated and restored wetlands.

New development means development resulting from the conversion of previously undeveloped land or agricultural land uses.

~~**Non-residential land development** means all development excluding residential development and agricultural use.~~

~~**Non-stormwater discharge** means a discharge to the storm sewer system created by some process other than the runoff from precipitation.~~

Non-structural measure means a practice, technique, or measure to reduce the volume, peak flow rate, or pollutants, in stormwater that does not require the design or installation of fixed stormwater management facilities.

NRCS means the Natural Resources Conservation Service of the U.S. Department of Agriculture (USDA) formerly known as the SCS (Soil Conservation Service of the USDA).

NRCS MSE4 distribution means a specific precipitation distribution developed by the United States Department of Agriculture, Natural Resources Conservation Service, using precipitation data from Atlas 14.

Off-site means lands located outside the subject property boundary described in the permit application.

On-site means lands located within the subject property boundary described in the permit application.

Ordinary high-water mark has the meaning in NR 115.03(6), Wisconsin Administrative Code.

Outstanding resource waters means waters listed in NR 102.10, Wisconsin Administrative Code.

Parking lot reconstruction means removing asphalt to the base course by milling or other construction methods.

Parking lot resurfacing means removing a portion of an asphalt surface but leaving at least one inch (1”) thickness of asphalt surface in place.

Peak flow or peak flow discharge rate means the maximum rate that a unit volume of stormwater is discharged. This is usually expressed in terms of cubic feet per second (cfs).

Percent fines means the percentage of a given sample of soil, that passes through a Number 200 sieve, in accordance with the “American Society for Testing and Materials”, ~~current standard, volume 04.02, “Test Method C117 95 Standard Test Method for Materials Finer than 75 µm (No. 200) Sieve in Material Aggregates by Washing”.~~

Performance security means cash, or an irrevocable letter of credit submitted to the City of Appleton by the permit holder to assure that requirements of the ordinance are carried out in compliance with the stormwater management plan and to recover any costs incurred by the City for design, engineering, preparation, checking and review of plans and specifications, regulations and ordinances; and legal, administrative and fiscal work undertaken to assure and implement such compliance.

Performance standard means a narrative or measurable number specifying the minimum acceptable outcome for a facility or practice.

Permit means a written authorization made by the City of Appleton to the applicant to conduct land disturbing construction activity or to discharge post-construction runoff to waters of the state.

Permit application fee means a sum of money paid to the City of Appleton by the permit applicant for the purpose of recouping expenses incurred by the City in administering the permit.

Pervious surface means an area that releases as runoff a small portion of the precipitation that falls on it. Lawns, gardens, parks, forests or other similar vegetated areas are examples of surfaces that typically are pervious.

Pollutant has the meaning in §283.01(13), Wis. Stat.

Pollution has the meaning in §281.01(10), Wis. Stat.

~~**Population** has the meaning in §281.66(1)(c), Wis. Stat.~~

Post-construction site means a construction site following the completion of land disturbing construction activity and final site stabilization.

Post-development land use condition means the extent and distribution of land cover types, anticipated to occur under conditions of full development or redevelopment that will influence rainfall runoff and infiltration.

Pre-development condition means the extent and distribution of land cover types present before the initiation of land disturbing construction activity, assuming that all land uses prior to development activity are managed in an environmentally sound manner.

~~Pre-settlement land use condition means land that has runoff characteristics equivalent to Runoff Curve Numbers (RCNs) of: 30, 58, 71 and 78 for Hydrologic Soil Groups A, B, C and D, respectively (as described in the USDA Soil Surveys for Outagamie, Winnebago and Calumet Counties, Wisconsin). This term is used for the purpose of matching of presettlement and post-development stormwater peak flows as required by this ordinance in §20-312(a)(1).~~

Pre-treatment is the practice of reducing pollutants in stormwater before discharging the stormwater to another pollution control structure.

Preventive action limit has the meaning in NR 140.05(17), Wisconsin Administrative Code.

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 it is the greatest of the following widths as listed in Sec. 20-312(d), as measured horizontally from the top of the channel or delineated wetland boundary to the closest impervious surface.

Redevelopment means areas where ~~new~~ development is replacing older development.

Residential land development means development that is created to house people, including the residential dwellings as well as all affected portions of the development including lawns, driveways, sidewalks, garages and access streets. This type of development includes single family, multi-family, apartment and trailer parks.

Responsible party means any entity-person holding fee title to the property or other person-entity contracted or obligated by other agreement to implement and maintain post-construction stormwater BMPs, or other requirements of this ordinance.

Runoff means stormwater or precipitation including rain, snow or ice melt or similar water that moves on the land surface via sheet or channelized flow.

Runoff Curve Number or RCNs means an index that represents the combination of: a hydrologic soil group, land use, land cover, impervious area, interception storage, surface storage, and antecedent moisture conditions. RCNs convert mass rainfall into mass runoff. The Natural Resources Conservation Service of the USDA defines RCNs in TR-55.

Sediment means settleable soil, rock fragments and other solids carried in runoff.

~~Separate storm sewer means a conveyance or system of conveyances including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, that meets all of the following criteria:~~

- ~~(1) Is designed or used for collecting water or conveying runoff.~~
- ~~(2) Is not draining to a stormwater treatment device or system.~~
- ~~(3) Discharges directly or indirectly to waters of the state.~~

Separate storm sewer means a conveyance or system of conveyances including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets all of the following criteria:

- (a) Is designed or used for collecting water or conveying runoff.
- (b) Is not part of a combined sewer system.
- (c) Is not part of a publicly owned wastewater treatment works that provides secondary or more stringent treatment.
- (d) Discharges directly or indirectly to waters of the state.

Silviculture activity means activities including tree nursery operations, tree harvesting operations, reforestation, tree thinning, prescribed burning, and pest and fire control. Clearing and grubbing of an area of a construction site is not a silviculture activity.

Site means the entire area included in the legal description of the land on which the land disturbing construction activity is proposed in the permit

application ~~or has occurred.~~

~~—SCS means the Soil Conservation Service now known as Natural Resources Conservation Service (NRCS) of the United States Department of Agriculture.~~

Stop work order means an order issued by the City of Appleton that requires all construction activity on the site be stopped.

Stormwater conveyance system means any method employed to carry stormwater runoff within and from a land development or redevelopment activity to the waters of the state. Examples of methods include: swales, channels and storm sewers.

Stormwater management measure means structural or non-structural practices that are designed to reduce stormwater runoff pollutant loads, discharge volumes and/or peak flow discharge rates.

~~—Stormwater management plan means a comprehensive plan provided by the land developer, land owner or permit holder that identifies what actions will be taken to meet the requirements of this ordinance.~~

Stormwater management plan means a comprehensive plan provided by the land developer, land owner or permit holder that identifies the measure to be taken to reduce the discharge of pollutants from stormwater, and control the peak flow and volume of runoff after the site has undergone final stabilization, following completion of construction activity.

Stormwater management system plan is a comprehensive plan designed to reduce the discharge of runoff and pollutants from hydrologic units on a regional or municipal scale.

Targeted performance standard means a performance standard that applies in a specific area that requires additional practices to meet water quality standards.

Technical standard means a document that specifies design, predicted performance and operation and maintenance specifications for a material, device or method. ~~[The following methods shall be used in designing the water quality, peak flow shaving and infiltration components of stormwater practices needed to meet the water quality standards of this ordinance:~~

~~(1) Technical standards identified, developed or disseminated by the WDNR under subchapter V of NR 151, Wisconsin Administrative Code.~~

~~(2) Where technical standards have not been identified or developed by the WDNR, other technical~~

~~standards may be used provided that the methods have been approved by the City of Appleton~~

Top of the channel means an edge, or point on the landscape 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 twelve percent (12%) continually for at least fifty (50) feet. If the slope of the land is 12 percent (12%) or less continually for the initial fifty (50) feet landward from the ordinary high water mark, the top of the channel is the ordinary high water mark.

Total maximum daily load or TMDL means the amount of pollutants specified as a function of one or more water quality parameters, that can be discharged per day into a water quality limited segment and still ensure attainment of the applicable water quality standard.

TP means total phosphorus.

TP-40 means Technical Paper No. 40, Rainfall Frequency Atlas of the United States, published in 1961.

~~TR-55 means the United States Department of Agriculture, Natural Resources Conservation Services (previously Soil Conservation Service), Urban Hydrology for Small Watersheds, Second Edition, Technical Release 55, June 1986, which is incorporated by reference for this chapter, Soil Conservation Service, "Urban Hydrology for Small Watersheds," Technical Release 55, June 1992.~~

Transportation facility means a highway, a railroad, a public mass transit facility, a public-use airport, a public trail and also includes any other public work for transportation purposes such as harbor improvements under §85.095(1)(b), Wis. Stat. ~~A transportation "Transportation facility-Facility" does not include building sites for the construction of public buildings and buildings that are places of employment that are regulated by the Department of Commerce pursuant to §401.1205281.33, Wis. Stat.~~

TSS means total suspended solids.

Type II distribution means a particular dimensionless rainfall temporal pattern called a Type type II curve as established in the "United States Department of Agriculture, Soil Conservation Service, Technical Paper 149, published 1973". ~~The Type II curve is applicable to all of Wisconsin and represents the most intense storm pattern.~~

Waters of the state has the meaning in §283.01(~~4820~~), Wis. Stat.

WDNR means the Wisconsin Department of Natural Resources.

WPDES permit means a Wisconsin pollutant discharge elimination system permit issued under Ch. 283, Wis. Stat.

Wetland functional value means the type, quality, and significance of the ecological and cultural benefits provided by wetland resources, such as: flood storage, water quality protection, groundwater recharge and discharge, shoreline protection, fish and wildlife habitat, floral diversity, aesthetics, recreation and education.

(Ord 188-03, §1, 10-21-03; Ord 66-10, §1, 4-13-10; Ord 156-11, §1, 1-1-12)

Secs. 20-305 – 20-310. Reserved.

DIVISION 2. STORMWATER MANAGEMENT

Sec. 20-311. Applicability and jurisdiction.

(a) **Applicability.** This ordinance applies to all post-construction land development, redevelopment and infilling sites with one (1) acre or more of land disturbing construction activities, except:

- (1) A post-construction site with less than ten percent (10%) connected imperviousness of the total area based on area of land disturbance—complete development of the post construction—site, provided the cumulative area of all parking lots, roads and rooftops is less than one (1) acre. However, the exemption of this paragraph does not include exemption from the protective area standards of this ordinance.
- (2) Nonpoint discharges from agricultural Agricultural facilities and practices.
- (3) Nonpoint discharges from silviculture activities.
- (4) Underground utility construction such as water, sewer and fiberoptic lines. This exemption does not apply to the construction of any above ground structures associated with utility construction.

Notwithstanding these applicability requirements, this ordinance applies to any post-construction sites, of any size that, in the opinion of the City of Appleton, is likely to result in runoff that exceeds the safe capacity of the existing drainage facilities or receiving body of water, that causes undue channel erosion, that increases water pollution by scouring or the transportation of particulate matter or that endangers property or public safety.

(b) **Jurisdiction.** This ordinance applies to post-construction land development and redevelopment sites within the boundaries of the City of Appleton and to all lands located within three (3) miles of the corporate limits pursuant to the City's extraterritorial plat approval jurisdiction as set forth in §236.45(2), Wis. Stat. even if plat approval is not involved.

(c) **County and town ordinances.** This ordinance supercedes any county or town stormwater management ordinance for lands annexed to the City after the effective date of the county's or town ordinance, except when the county's or town ordinance is more restrictive than this ordinance; then the more restrictive provisions set forth in the county or town ordinance shall become part of this ordinance and apply to the annexed lands. In

such cases, the City may grant a variance from the more restrictive requirements, provided, that the criteria for a variance as set forth in the county or town ordinance is met.

(d) **State agency.** This ordinance is not applicable to activities conducted by a state agency, as defined under §227.01(1), Wis. Stat., and the office of the district attorney, which is subject to the state plan promulgated or a memorandum of understanding entered into under §281.33(2), Wis. Stat.

(e) **Waivers.** Requests to waive the stormwater management plan requirements shall be submitted to the City of Appleton for approval. Written waivers may be granted administratively by the City for stormwater requirements that are required only by the City (~~but not to those items required by the State of Wisconsin~~) if it is demonstrated to the satisfaction of the City that it is reasonable to expect that the objectives of this ordinance will be met by the proposed post-construction land development and redevelopment activity without a stormwater management plan or portion thereof.

(f) **Applicability of maximum extent practicable.** Maximum extent practicable applies when a person who is subject to a performance standard of this ordinance demonstrates to the City's satisfaction that a performance standard is not achievable and that a lower level of performance is appropriate. In making the assertion that a performance standard is not achievable and that a level of performance different from the performance standard is the maximum extent practicable, the responsible party shall take into account the best available technology, cost effectiveness, geographic features, and other competing interests such as protection of public safety and welfare, protection of endangered and threatened resources, and preservation of historic properties.

(Ord 188-03, §1, 10-21-03; Ord 66-10, §1, 4-13-10)

Sec. 20-312. Stormwater management Performance standards.

Unless otherwise provided for in this ordinance, all post-construction land development, redevelopment and in-filling activities subject to this ordinance shall establish on-site management practices to control the peak flow rates of stormwater discharged from the site, the quality of the discharged stormwater, and the volume of the discharged stormwater as described in this ordinance. Technical standards identified, developed or disseminated by the WDNR under subchapter V of Chapter NR 151, Wisconsin Administrative Code shall be used. Where technical standards have not been identified or developed by the WDNR, other technical standards may be used provided that the methods have been approved by the City of Appleton. The responsible

party shall implement a post-construction stormwater management plan that incorporates the requirements of this section.

Exceptions to these standards are listed in §20-312(i) of this ordinance.

Maintenance of effort. For redevelopment sites where the redevelopment will be replacing older development that was subject to post-construction performance standards of NR 151 in effect on or after October 1, 2004, the responsible party shall meet the total suspended solids reduction, peak flow control, infiltration, and protective areas standards applicable to the older development or meet the redevelopment standards of this ordinance, whichever is more stringent.

Off-site Drainage. When designing best management practices for (a), (b) and (c) of this section, runoff draining to the best management practices from off site shall be taken into account in determining the treatment efficiency of the practice. Any impact on the efficiency shall be compensated for by increasing the size of the BMP accordingly.

~~(a) **Peak stormwater discharge rate.** Infiltration of stormwater runoff from driveways, sidewalks, rooftops, parking lots and landscaped areas shall be incorporated to the maximum extent practical to provide volume control in addition to control of peak flows.~~

(1) The proposed post-construction land use shall not increase peak flow rates of stormwater runoff from that which would have resulted from the same design storm occurring over the site with the land in its pre-settlement development, woodland condition, as defined in ~~§20-304~~Table 2 of this ordinance for storms of twenty-four (24) hour duration and recurrence intervals of one (1), two (2), five (5), ten (10) and one hundred (100) years. ~~For the low frequency runoff events, the 10 and 100 year recurrence interval events, appropriate RCNs are described in TR-55. For higher frequency runoff events, less than or equal to the 5 year recurrence interval event, separate drainage areas and RCNs should be used to calculate runoff and then combined. Appropriate curve numbers, as described in TR-55 and weighted based on the proposed land cover, shall be used in TR-55 calculations.~~ The composite RCNs as defined in TR-55 should not be used.

(2) All stormwater conveyance systems within the post-construction site shall be designed to completely contain the peak storm flows as

described herein. Calculations for determining peak flows for conveyance system sizing shall use RCNs based on the existing or future proposed land use for off-site areas (whichever results in the highest peak flows), and the proposed land use for on-site areas.

- a. For open channel conveyance systems the peak flow from the 100-year, 24-hour storm shall be completely contained within the channel bottom and banks.
 - b. For storm sewer conveyance systems the peak flow from the 5-year, ~~1/2 hour~~ storm ~~(or longer, if the time of concentration exceeds 30 minutes)~~ shall be completely contained within the storm sewers with no surcharging.
 - c. For storms greater than the 5-year, ~~1/2-hour~~ event, and up to the 100-year, 24-hour event, conveyance of flow to the appropriate waters of the state shall be within existing or proposed street right-of-ways or recorded drainage easements. In no case shall the depth of water exceed twelve (12) inches at the outer edge of pavement or six (6) inches at the road crown, whichever is less.
 - d. The 100-year storm runoff flow path outside of the storm sewer conveyance system must not impact structural improvements on property.
 - e. ~~Existing runoff onto the site must be managed to not restrict the flow onto the site or to create any additional stormwater ponding on adjoining properties unless there is written agreement with the affected property owners. Existing flow onto the site cannot be restricted or modified to impact adjacent properties without a written agreement between property owners.~~
- (3) Determination of peak flow rates and volume of runoff for purposes of meeting the requirements of §20-312(a)(1) of this ordinance shall be computed by procedures based on the principals and procedures described in TR-55. Other proposed calculation methods must have prior written approval of the City of Appleton.

(4) The rainfall distributions for the storm

events shall be NOAA Atlas 14 MSE4, unless otherwise approved by the City of Appleton, based on the SCS Type II storms as described in TR-55. On a case-by-case basis, the City of Appleton may allow the use of TP-40 precipitation depths and the Type II distribution.

- (5) Existing wetlands shall not be incorporated in the proposed stormwater management practice for peak flow control. Peak flow ~~will~~ shall be managed prior to discharge to an existing wetland. Should any changes to natural wetlands be proposed, the impact of the proposal on wetland functional values shall be assessed and significant changes to wetland functional values shall be avoided (as defined by NR 103, Wisconsin Administrative Code).
- (6) Peak stormwater discharge reductions do not apply for a site meeting any one of these requirements:
 - a. Redevelopment post-construction sites less than five (5) acres in size.
 - b. In-fill development areas less than five (5) acres in size.
 - c. Sites that directly discharge to the Fox River without flowing over or through a municipally owned separate storm sewer or stormwater conveyance system.

(b) **Stormwater discharge quality.** Unless otherwise provided for in this ordinance, all post-construction land development and redevelopment activities subject to this ordinance shall establish on-site management practices to control the quality of stormwater discharged from the post-construction site. On-site management practices shall be used to meet the following minimum standards:

- (1) Total suspended solids (TSS). BMPs shall be designed, installed and maintained to control total suspended solids carried in runoff from the post-construction site as follows:
 - a. For new development, by design, reduce to the maximum extent practicable, the total suspended solids load by eighty percent (80%), based on the average annual rainfall, as compared to no runoff management controls.
 - b. For redevelopment less than five (5) acres of disturbed land, by design, reduce

to the maximum extent practicable, the total suspended solids load by forty percent (40%), based upon the average annual rainfall, as compared to no runoff management controls.

c. For redevelopment five (5) acres or greater of disturbed land, reduce to the maximum extent practicable, the total suspended solids load by eighty percent (80%), based on the average annual rainfall, as compared to no runoff management controls.

~~d. For in-fill development less than five (5) acres of disturbed land, by design, reduce to the maximum extent practicable, the total suspended solids load by forty percent (40%), based on the average annual rainfall, as compared to no runoff management controls.~~

~~ed. For in-fill development five (5) acres or greater of disturbed land, by design, reduce to the maximum extent practicable, the total suspended solids load by eighty percent (80%), based on the average annual rainfall, as compared to no runoff management controls.~~

(2) Total phosphorus. (TP) All new development, redevelopment, and infill sites shall calculate the total phosphorus load and the amount of phosphorus removed with the proposed on site practices with an appropriate computer model. Both the load and the amount of removal shall be reported in the plan narrative and included in the computer model submitted for the project.

~~(2)~~ Effectiveness of the stormwater management measures shall be evaluated using the latest version of the Source Loading and Management Model (WinSLAMM). Other models may be used with prior written approval of the City.

~~(3)~~ Discharge of urban stormwater pollutants to natural wetlands without pre-treatment shall be avoided to the maximum extent practicable. Where such discharges are proposed, the impact of the proposal on wetland functional values shall be assessed using a method such as the WDNR's Rapid Wetland Functional Value Assessment, or other methods acceptable to the City of Appleton and the WDNR. Changes to

wetland functional values because of stormwater pollutant loads shall be avoided. (Ord 66-10, §1, 4-13-10)

~~(c) Stormwater discharge volume (infiltrationInfiltration). Unless otherwise provided for in this ordinance, all post-construction land development and redevelopment sites subject to this ordinance shall establish design, install and maintain on-site best management practices with the design capability to infiltrate runoff in accordance with the following, to the maximum extent practicable.~~

~~(1) For residential developments one of the following shall be met:~~

~~a. Infiltrate sufficient runoff volume so that the post construction infiltration volume shall be at least ninety percent (90%) of the pre settlement infiltration volume, based on an average annual rainfall. However, when designing appropriate infiltration systems to meet this requirement, no more than one percent (1%) of the project site is required as an effective infiltration area.~~

~~b. Infiltrate twenty five percent (25%) of the post construction runoff from the 2-year, 24 hour design storm with a Type II distribution. Separate curve numbers for pervious and impervious surfaces shall be used to calculate runoff volumes and not composite curve numbers as defined in TR 55. However, when designing appropriate infiltration systems to meet this requirement, no more than one percent (1%) of the project site is required as an effective infiltration area.~~

~~(2) For non residential development, one of the following shall be met:~~

~~a. Infiltrate sufficient runoff volume so that the post construction infiltration volume shall be at least sixty percent (60%) of the pre settlement infiltration volume, based on an average annual rainfall. However, when designing appropriate infiltration systems to meet this requirement, no more than two percent (2%) of the project site is required as an effective infiltration area.~~

~~b. Infiltrate ten percent (10%) of the post construction runoff from the 2-year, 24-hour design storm with a Type II~~

distribution. Separate curve numbers for pervious and impervious surfaces shall be used to calculate runoff volumes, and not composite curve numbers as defined in TR 55. However, when designing appropriate infiltration systems to meet this requirement, no more than two percent (2%) of the project site is required as an effective infiltration area.

Table 1
Maximum Pre-Development Runoff Curve Numbers

<u>Runoff Curve Number</u>	<u>Hydrologic Soil Group</u>			
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
<u>Woodland</u>	<u>30</u>	<u>55</u>	<u>70</u>	<u>77</u>
<u>Grassland</u>	<u>39</u>	<u>61</u>	<u>71</u>	<u>78</u>
<u>Cropland</u>	<u>55</u>	<u>69</u>	<u>78</u>	<u>83</u>

(1) Low imperviousness. For development up to 40 percent (40%) connected imperviousness, such as parks, cemeteries, and low density residential development, infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 90 percent (90%) of the pre-development infiltration volume, based on an average annual rainfall. However, when designing appropriate infiltration systems to meet this requirement, no more than one percent (1%) of the post-construction site is required as an effective infiltration area.

(2) Moderate imperviousness. For development with more than 40 percent (40%) and up to 80 percent (80%) connected imperviousness, such as medium and high density residential, multi-family development, industrial and institutional development, and office parks, infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 75 percent (75%) of the pre-development infiltration volume, based on an average annual rainfall. However, when designing appropriate infiltration systems to meet this requirement, no more than 2 percent (2%) of the post-construction site is required as an effective infiltration area.

(3) High imperviousness. For development with more than 80 percent (80%) connected imperviousness, such as commercial strip malls, shopping centers, and commercial downtowns, infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 60 percent (60%) of the pre-development infiltration volume, based on an average annual rainfall. However, when designing appropriate infiltration systems to meet this requirement, no more than 2 percent (2%) of the post-construction site is required as an effective infiltration area.

(4) Pre-development. The pre-development condition shall be as specified in Table 1.

Where the pre-development condition is a combination of the Table 1 land uses, the runoff curve number shall be weighted based on area of land cover.

~~(35)~~ A model that calculates runoff volume, such as WinSLAMM, P8, or an equivalent methodology shall be used. Other models may be used with prior written approval of the City.

~~(46)~~ Before infiltrating runoff, pretreatment shall be required for parking lot runoff and for runoff from new road construction in commercial, industrial and institutional areas that will enter an infiltration system. The pretreatment shall be designed to protect the infiltration system from clogging prior to scheduled maintenance in accordance with §20-314 of this ordinance.

Pretreatment may include, but is not limited to, oil/grease separation, sedimentation, biofiltration, filtration, treatment swales or filter strips. It is desirable to infiltrate the cleanest runoff to meet the infiltration standard. To achieve this, the design may propose greater infiltration of runoff from some sources such as roofs, and lesser from dirtier sources such as parking lots.

~~(57)~~ For the purpose of this section, turf grass swales are not counted towards the one percent (1%) or two percent (2%) infiltration areas described in subsections (1) and (2).

~~(6) Exclusions.~~ The runoff from the following areas are prohibited from meeting the requirements of this section:

- ~~a.~~ Areas associated with tier 1 industrial facilities identified in NR 216.21(2)(a), Wisconsin Administrative Code, including storage, loading, rooftop and parking.

~~b. Storage and loading areas of tier 2 industrial facilities identified in NR 216.21(2)(b), Wisconsin Administrative Code. Runoff from tier 2 parking and rooftop areas may be infiltrated but may require pretreatment.~~

~~c. Fueling and vehicle maintenance areas.~~

~~d. Areas with less than three (3) feet separation distance from the bottom of the infiltration system to the elevation of seasonal high groundwater or the top of bedrock. This exclusion does not prohibit the infiltration of roof runoff.~~

~~e. Areas with runoff from industrial, commercial and institutional parking lots and roads and residential arterial roads with less than five (5) feet separation distance from the bottom of the infiltration system to the elevation of seasonal high groundwater or the top of bedrock.~~

~~f. Areas within four hundred (400) feet of a community water system well as specified in NR 811.16(4), Wisconsin Administrative Code, or within one hundred (100) feet of a private well as specified in NR 812.08(4), Wisconsin Administrative Code, for runoff infiltrated from commercial, industrial and institutional land uses or regional devices for residential development.~~

~~g. Areas where contaminants of concern, as defined in NR 720.03(2), Wisconsin Administrative Code, are present in the soil through which infiltration will occur.~~

~~h. Any area where the soil does not exhibit one of the following soil characteristics between the bottom of the infiltration system and the seasonal high groundwater and top of bedrock: at least a three (3) foot soil layer with twenty percent (20%) fines or greater; or at least a five (5) foot soil layer with ten percent (10%) fines or greater. This does not apply where the soil medium within the infiltration system provides an equivalent level of protection. This exclusion does not prohibit the infiltration of roof runoff.~~

~~(7) Exemptions. The following are not required~~

~~to meet the requirements of this section of this ordinance:~~

~~a. Areas where the infiltration rate of the soil is less than 0.6 inches/hour measured at the site by the double ring infiltrometer method at the depth of potential infiltration or another method acceptable to the City of Appleton.~~

~~b. Parking areas and access roads less than five thousand (5,000) square feet for commercial and industrial development.~~

~~c. Redevelopment post construction sites.~~

~~d. In fill development areas less than five (5) acres.~~

~~e. Infiltration areas during periods when the soil on the site is frozen.~~

~~f. Roads in commercial, industrial and institutional land uses and arterial residential roads.~~

~~(8) Source areas.~~

~~a. Prohibitions. Runoff from the following areas may not be infiltrated and may not qualify as contributing to meeting the requirements of this section unless demonstrated to meet the conditions identified in [Sec. 20-312\(c\)\(11\)](#):~~

~~i. Areas associated with a tier 1 industrial facility identified in s. NR 216.21(2)(a), including storage, loading and parking. Rooftops may be infiltrated with the concurrence of the regulatory authority.~~

~~ii. Storage and loading areas of a tier 2 industrial facility identified in s. NR216.21(2)(b).~~

~~NOTE TO USERS: Runoff from the employee and guest parking and rooftop areas of a tier 2 facility may be infiltrated but runoff from the parking area may require pretreatment.~~

~~iii. Fueling and vehicle maintenance areas. Runoff from rooftops and fueling and vehicle maintenance areas may be infiltrated with the~~

concurrence of the regulatory authority.

b. Exemptions. Runoff from the following areas may be credited toward meeting the requirement when infiltrated, but the decision to infiltrate runoff from these source areas is optional:

i. Parking areas and access roads less than 5,000 square feet for commercial development.

ii. Parking areas and access roads less than 5,000 square feet for industrial development not subject to the Prohibitions under par a.

iii. ~~Redevelopment post-construction sites. Except as provided under Sec. 20-312, Maintenance of effort.—redevelopment post-construction sites.~~

iv. In-fill development areas less than 5 acres.

v. Roads on commercial, industrial and institutional land uses, and arterial residential roads.

(9) Location of practices.

a. Prohibitions. Infiltration practices may not be located in the following areas:

i. Areas within 1,000 feet upgradient or within 100 feet downgradient of direct conduits to groundwater.

ii. Areas within 400 feet of a community water system well as specified in s. NR 811.16(4) or within the separation distances listed in s. NR 812.08 for any private well or non-community well for runoff infiltrated from commercial, including multi-family residential, industrial and institutional land uses or regional devices for one- and two-family residential development.

iii. Areas where contaminants of concern, as defined in s. NR 720.03 (2), are present in the soil through which infiltration will occur.

b. Separation distances.

i. Infiltration practices shall be located so that the characteristics of the soil and the separation distance between the bottom of the infiltration system and the elevation of seasonal high groundwater or the top of bedrock are in accordance with Table 2.

Table 2
Separation Distances and Soil Characteristics

<u>Source Area</u>	<u>Separation Distance</u>	<u>Soil Characteristics</u>
<u>Industrial, Commercial, Institutional Parking Lots and Roads</u>	<u>5 feet or more</u>	<u>Filtering layer</u>
<u>Residential Arterial Roads</u>	<u>5 feet or more</u>	<u>Filtering layer</u>
<u>Roofs Draining to Subsurface Infiltration Practices</u>	<u>1 foot or more</u>	<u>Native or Engineered soil with particles finer than coarse sand</u>
<u>Roofs Draining to Surface Infiltration Practices</u>	<u>Not applicable</u>	<u>Not applicable</u>
<u>All Other Impervious Source Areas</u>	<u>3 feet or more</u>	<u>Filtering layer</u>

ii. Notwithstanding par. b., applicable requirements for injection wells classified under ch. NR 815 shall be followed.

c. Infiltration rate exemptions. Infiltration practices located in the following areas may be credited toward meeting the requirements under the following conditions, but the decision to infiltrate under these conditions is at the Developer's option:

i. Where the infiltration rate of the soil measured at the proposed bottom of the infiltration system is less than 0.6 inches per hour using a scientifically credible field test method.

ii. Where the least permeable soil horizon to 5 feet below the proposed bottom of the infiltration system using the U.S. Department of Agriculture method of soils analysis is one of the following: sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, or clay.

(10) Alternate use. Where alternate uses of runoff

are employed, such as for 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 use shall be given equal credit toward the infiltration volume required by this section.

(§11) **Groundwater standards.**

a. Infiltration systems designed in accordance with this section shall, to the extent technically and economically feasible, minimize the level of pollutants infiltrating to groundwater and shall maintain compliance with the preventive action limit at a point of standards application in accordance with NR 140, Wisconsin Administrative Code. However, if site-specific information indicates that compliance with a preventive action limit is not achievable, the infiltration BMP shall not be installed or shall be modified to prevent infiltration to the maximum extent practicable. ~~exceedance of the preventive action limit.~~

~~(b) Regardless of the above paragraphs~~ **Notwithstanding paragraph (a), the discharge from BMPs shall remain below the enforcement standard at the point of standards application.**

(d) **Protective areas.** 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 widths described below, as measured horizontally from the top of the channel or delineated wetland boundary to the closest 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) Protective areas are:

- a. For outstanding resource waters and exceptional resource waters ~~and for wetlands in areas of special natural resource interest as specified in NR 103.04, Wisconsin Administrative Code,~~ seventy-five (75) feet.
- b. For perennial and intermittent streams identified on a United States geological survey 7.5-minute series topographic

map, or a county soil survey map, whichever is more current, fifty (50) feet.

~~e. For lakes and wetlands, fifty (50) feet. Wetland boundary delineations shall be made in accordance with NR 103.08(1m), Wisconsin Administrative Code. This paragraph does not apply to wetlands that have been completely filled in accordance with all applicable state and federal regulations. 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.~~

~~d. For concentrated flow channels with drainage areas greater than one hundred thirty (130) acres, ten (10) feet.~~

~~e. Within a planned development or redevelopment site, the watercourses may be moved or graded. The protective area dimensions move with the watercourse, and the protective area shall be contained within the property being developed. The watercourse shall be designed to be non erosive and to have adequate capacity within the protective area using a 100 year, 24 hour storm. If watercourses are moved and leave the property at a different location, the watercourse downstream shall be protected from adverse impacts.~~

~~c. For lakes, 50 feet.~~

~~d. For wetlands not subject to par. e. or f., 50 feet.~~

~~e. For highly susceptible wetlands, 75 feet. Highly susceptible wetlands include the following types: calcareous fens, sedge meadows, open and coniferous bogs, low prairies, coniferous swamps, lowland hardwood swamps, and ephemeral ponds.~~

~~f. For less susceptible wetlands, 10 percent (10%) of the average wetland width, but no less than 10 feet nor more than 30 feet. Less susceptible wetlands include: degraded wetland dominated by invasive species such as reed canary grass; cultivated hydric soils, and any gravel pits, or dredged material or fill material disposal sites that take on the attributes~~

of a wetland.

g. In pars. d. to f., 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 in accordance with the standards and criteria in s. NR 103.03.

h. Wetland boundary delineation shall be made in accordance with s. NR 103.08(1m). This paragraph does not apply to wetlands that have been completely filled in compliance with all applicable state and federal regulations. The protective area for wetlands that have been partially filled in compliance with all applicable state and federal regulations shall be measured from the wetland boundary delineation after fill has been placed. Where there is a legally authorized wetland fill, the protective area standard need not be met in that location.

i. For concentrated flow channels with drainage areas greater than 130 acres, 10 feet.

j. Notwithstanding pars. a. to i., the greatest protective area width shall apply where rivers, streams, lakes and wetlands are contiguous.

(2) This section applies to post-construction sites located within a protective area, except those areas exempted pursuant to sub 5.

(23) The following requirements shall be met:

a. Impervious surfaces shall be kept out of the protective area entirely or to the maximum extent practicable. The stormwater management plan shall contain a written site-specific explanation for any parts of the protective area that are disturbed during construction.

b. Where land disturbing construction activity occurs within a protective area, and where no impervious surface is present, adequate sod or self-sustaining native vegetative cover of seventy percent (70%) or greater shall be established and maintained. The 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.

~~e. Vegetation that is flood and drought tolerant and can provide long term bank stability because of an extensive root system is preferable. Vegetative cover can be measured using the line transect method described in the University of Wisconsin Extension publication number A3533, titled "Estimating Residue Using the Line Transect Method".~~

~~(3) This section applies to post-construction sites located within a protective area.~~

~~(4c.)~~ Best management practices such as filter strips, treatment swales or wet detention basins, that are designed to control pollutants from nonpoint sources may be located in the protective area.

~~(5) Other regulations, such as Ch. 30, Wis. Stat., and NR 103, 115, 116 and 117, Wisconsin Administrative Code, and their associated review and approval processes may apply in the protective area.~~

~~(64)~~ A protective area established or created after the adoption date of this ordinance shall not be eliminated or reduced, except as allowed in subd. ~~75~~.b, c, or d below.

~~(75)~~ Protective areas do not apply to:

a. Redevelopment ~~and routine maintenance areas~~ post-construction sites, provided the minimum requirements within subd. ~~64~~ above are satisfied.

b. Structures that cross or access surface waters such as boat landings, bridges and culverts.

c. Structures constructed in accordance with §59.692(1v), Wis. Stat.

d. Post-construction sites from which runoff does not enter the surface water, including wetlands, without first being treated by a BMP, except to the extent

that vegetative ground cover is necessary to maintain bank stability.

e. Infill development less than 5 acres.

(Ord 66-10, §1, 4-13-10)

(e) **Fueling and vehicle maintenance areas.** Fueling and vehicle maintenance areas shall, to the maximum extent practicable, 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. A combination of the following BMPs may be used: oil and grease separators, canopies, petroleum spill cleanup materials, or any other structural or non-structural method of preventing or treating petroleum in runoff.

(1) This ordinance applies to:

- a. New fueling and vehicle maintenance areas approved after the effective date of this ordinance.
- b. Any modifications to existing fueling and vehicle maintenance areas regardless of the size of the disturbed area. BMPs installed as part of a site modification shall, to the maximum extent practicable, be designed and operated to treat all stormwater leaving the site so that the stormwater contains no visible petroleum sheen.

(2) A stormwater management plan per §20-313 of this ordinance, a maintenance agreement per §20-314 of this ordinance and a stormwater permit per §20-321 of this ordinance are required.

(Ord 66-10, §1, 4-13-10)

(f) **General considerations for ~~on-site~~ stormwater management measures.** The following considerations shall be observed in on-site and off-site managing stormwater-runoff management.

- (1) Natural topography and land cover features such as natural swales, natural depressions, native soil infiltrating capacity and natural groundwater recharge areas shall be preserved and used, to the extent possible, to meet the requirements of this section.
- (2) Overland flow for all stormwater facilities shall be provided to prevent exceeding the safe capacity of downstream drainage facilities and prevent endangerment of downstream property or public safety.

(3) Overland flow paths from adjoining properties to an offsite facility must be maintained.

(4) Low impact development techniques and green infrastructure should be included to the extent possible. These techniques include but are not limited to: increasing the time of concentration by lengthening the flow path and increasing the roughness of the flow path, using native, deep rooted vegetation instead of turf grasses and deep tilling onsite compacted soil.

(Ord 66-10, §1, 4-13-10)

(g) Location and regional treatment option.

(1) The BMPs may be located on-site or off-site as part of a regional stormwater device, practice or system, but shall be installed in accordance with s. NR 151.003 Wis. Admin. Code.

(2) Post-construction runoff within a non-navigable surface water that flows into a BMP, such as a wet detention pond, is not required to meet the performance standards of this ordinance. Post-construction BMPs may be located in non-navigable surface waters.

(3) Post-construction runoff shall meet the post-construction performance standards prior to entering navigable surface water.

a. To the maximum extent practicable, BMPs shall be located to treat runoff prior to discharge to navigable surface waters.

b. Post-construction BMPs for such runoff may be located in a navigable surface water if allowable under all other applicable federal, state and local regulations such as NR 103, Wisconsin Administrative Code and §Chapter 30, Wis. Stat.

~~(4) The discharge of runoff from a BMP, such as a wet detention pond, or after a series of such BMPs is subject to this ordinance.~~

(4) The City of Appleton may approve off-site management measures provided that all of the following conditions are met:

a. The post-construction runoff is covered by a storm water management system

plan that is approved by the City of Appleton and that contains management requirements consistent with the purpose and intent of this ordinance.

b. The off-site facility meets all of the following conditions:

i. The facility is in place.

ii. The facility is designed and adequately sized to provide a level of storm water control equal to or greater than that which would be afforded by on-site practices meeting the performance standards of this ordinance.

iii. The facility has a legally obligated entity responsible for its long-term operation and maintenance.

iv. Permittee must demonstrate that the proposed post-construction land development or redevelopment activity has received permission to use the off-site facility.

v. Permittee must also demonstrate the flow path to the off-site facility will not result in negative impacts to structural improvements on the property.

vi. The Permittee must provide easements of all overland flow paths up to and including the overland flow path of the 100-year storm

(5) Where a regional treatment option exists such that the City of Appleton exempts the applicant from all or part of the minimum on-site storm water management requirements, the applicant ~~shall~~may be required to pay a one-time fee in an amount determined by the City of Appleton. In determining the fee for post-construction runoff, the City may consider an equitable distribution of the cost for land, engineering design, construction, and maintenance of the regional treatment option.

(6) The discharge of runoff from a BMP, such as a wet detention pond, or after a series of such BMPs, is subject to this ordinance.

(h) *Additional requirements.* The City of Appleton

may establish storm water management requirements more stringent than those set forth in this ordinance if the City determines that the requirements are needed to control storm water quantity or control flooding, comply with federally approved total maximum daily load requirements, or control pollutants associated with existing development or redevelopment.

(ih) *Swale treatment for transportation facilities.*

(1) *Applicability.* Except as provided in §20-312(h)(2) of this ordinance, transportation facilities that use swales for runoff conveyance, ~~and~~pollutant removal ~~and~~infiltration meet the stormwater discharge quality requirements of this section, if the swales are designed to the maximum extent practicable to do all of the following:

a. Be vegetated. However, where appropriate, non-vegetative measures may be employed to prevent erosion or provide for runoff treatment, such as rock riprap stabilization or check dams. It is preferred that tall and dense vegetation be maintained within the swale because of its greater effectiveness at enhancing runoff pollutant removal.

~~b. Carry runoff through a swale for two hundred (200) feet or more in length that is designed with a flow velocity no greater than 1.5 feet per second for the peak flow generated using either a 2-year, 24 hour design storm or a 2 year storm with a duration equal to the time of concentration as appropriate. If a swale of two hundred (200) feet in length cannot be designed with a flow velocity of 1.5 feet per second or less, then the flow velocity shall be reduced to the maximum extent practicable. Check dams may be included in the swale design to slow runoff flows and improve pollutant removal.~~Swales shall comply with sections V.F. (Velocity and Depth) and V.G. (Sole Geometry Criteria) with a swale treatment length as long as that specified in section V.C. (Pre-Treatment) of the Wisconsin Department of Natural Resources technical standard 1005 "Vegetated Infiltration Swales", dated May 2007, or a superseding document. Transportation facility swale treatment does not have to comply with other sections of technical standard 1005.

(2) Exemptions ~~Other requirements.~~

~~and including the overland flow path of the 100-year storm.~~

a. The City of Appleton may, consistent with water quality standards, require other provisions of this section be met on a transportation facility with average daily traffic of vehicles greater than two thousand five hundred (2,500) per day and where the initial surface water of the state that the runoff directly enters is any of the following:

ai. An outstanding resource water.

bii. An exceptional resource water.

eiii. Waters listed in s. 303(d) of the Federal Clean Water Act that are identified as impaired in whole or in part, because of nonpoint source impacts.

div. Waters where targeted performance standards are developed under NR 151.004, Wisconsin Administrative Code, to meet water quality standards.

b. ~~The transportation facility authority shall contact the City to determine if additional BMPs beyond a water quality swale are needed under this subsection.~~

(Ord 66-10, §1, 4-13-10)

~~(ij) **Exceptions.** The minimum requirements for on-site stormwater management practices established in §§20-312(a), (b) and (c) of this ordinance may be waived in part by the City of Appleton upon written request of the applicant, provided that at least one of the following conditions applies:~~

~~(1) Provisions are made to manage stormwater by an off site facility. This requires that the off site facility is in place, is designed and adequately sized to the requirements of this ordinance and has a legally obligated entity responsible for long term operation and maintenance of the stormwater practice. Permittee must demonstrate that the proposed post construction land development or redevelopment activity has received permission to use the off site facility. Permittee must also demonstrate the flow path to the off site facility will not result in negative impacts to structural improvements on the property. The Permittee must provide for easements of all overland flow paths up to~~

~~(j) (2)~~ Innovative stormwater management systems that do not meet §20-312(a) or (b) of this ordinance must be reviewed and **accepted** by the City before installation.

(Ord 188-03, §1, 10-21-03)

Sec. 20-313. Stormwater management plans.

(a) **Plan requirements.**

(1) The stormwater management plan required under §20-321 of this ordinance shall contain any such information the City of Appleton may need to evaluate the **environmental** characteristics of the area affected by land development and redevelopment activities, the potential impacts of the proposed activity upon the quality and quantity of stormwater discharges, the potential impacts upon water resources and drainage systems and the effectiveness and acceptability of proposed stormwater management measures in meeting the performance standards set forth in this ordinance.

~~(b2) **Certification.** All initial and ~~revised-final~~ site investigations, plans, designs, computations and drawings for stormwater management measures and plans submitted for review shall be stamped by a professional engineer registered in the State of Wisconsin and be prepared in accordance with accepted engineering practice and in accordance with criteria set forth by the City of Appleton.~~

(Ord 66-10, §1, 4-13-10)

~~(eb) **Minimum content.** The stormwater management plan shall contain at a minimum the following information:~~

(1) Name, address and telephone number for the following and their designees: landowner; developer; project engineer for practice design and certification; person(s) responsible for installation of stormwater management practices; and person(s) responsible for maintenance of stormwater management practices prior to the transfer, if any, of maintenance responsibility to another party.

(2) A proper legal description of the property proposed to be developed in Outagamie County Coordinate System and referenced to the U.S. Public Land Survey system or to

block and lot numbers within a recorded land subdivision plat.

(3) Pre-~~settlement~~-development site conditions, including:

- a. One or more site maps of current site conditions at a scale of not less than one (1) inch equal one hundred (100) feet. The site maps shall show the following: site location and legal property description; predominant soil types and hydrologic soil groups; existing cover type and condition; topographic contours of the site; topography and drainage network including enough of the contiguous properties to show runoff patterns onto, through, and from the site; watercourses that may affect or be affected by runoff from the site; flow path and direction for all stormwater conveyance sections; watershed boundaries used in hydrology determinations to show compliance with performance standards; lakes, streams, wetlands, channels, ditches, and other watercourses on and immediately adjacent to the site; limits of the 100-year floodplain; location of wells and wellhead protection areas covering the project area and delineated pursuant to s. NR 811.16, Wisconsin Administrative Code.
- b. Hydrology and pollutant loading computations as needed to show compliance with performance standards. All major assumptions used in developing input parameters shall be clearly stated. The geographic areas used in making the calculations shall be clearly cross-referenced to the required map(s).

(4) Post-construction site conditions, including:

- a. Explanation of the provisions to preserve and use natural topography and land cover features to minimize changes in peak flow runoff rates and volumes to surface waters and wetlands.
- b. Explanation of any restrictions on stormwater management measures in the development area imposed by wellhead protection plans and ordinances.

- c. One or more site maps at a scale of not less than one (1) inch equals one hundred (100) feet showing the following: post-construction pervious areas including vegetative cover type and condition; impervious surfaces including all buildings, structures and pavement; post-construction topographic contours of the site; post-construction drainage network including enough of the contiguous properties to show runoff patterns onto, through and from the site; locations and dimensions of drainage easements; locations of maintenance easements specified in the maintenance agreement; flow path and direction for all stormwater conveyance sections; location and type of all stormwater management conveyance and treatment practices, including the on-site and off-site tributary drainage area; location and type of conveyance system that will carry runoff from the drainage and treatment practices to the nearest adequate outlet such as a curbed street, storm drain, or natural drainage way; watershed boundaries used in hydrology and pollutant loading calculations and any changes to lakes, streams, wetlands, channels, ditches and other watercourses on and immediately adjacent to the site.

- d. Hydrology and pollutant loading computations as needed to show compliance with performance standards. The computations shall be made for each discharge point in the development and the geographic areas used in making the calculations shall be clearly cross-referenced to the required map(s).

- e. Results of investigations of soil and groundwater required for the placement and design of stormwater management measures.

- f. Detailed drawings including cross-sections and profiles of all permanent stormwater conveyance and treatment practices.

(5) A description and installation schedule for the stormwater management practices needed to meet the performance standards in §20-312 of this ordinance.

(6) A maintenance plan developed for the life of each stormwater management practice

including the required maintenance activities and maintenance activity schedule.

- (7) Other information requested in writing by the City of Appleton to determine compliance of the proposed stormwater management measures with the provisions of this ordinance.

(dc) Alternate requirements. The City of Appleton may prescribe alternative submittal requirements for applicants seeking an exemption to on-site stormwater management performance standards under §20-312(c) of this ordinance.

(ed) Modifications. When a change in land use or stormwater management practice occurs at a site with an approved stormwater management plan, a modified stormwater management plan must be submitted to the City for review and approval before those changes in practice occur. Plan modifications shall be modeled in the latest version of WinSLAMM unless otherwise approved by the City.

(Ord 188-03, §1, 10-21-03; Ord 66-10, §1, 4-13-10)

Sec. 20-314. Maintenance agreement.

(a) **Maintenance agreement required.** The maintenance agreement required for stormwater management practices under §20-321(b) of this ordinance shall be an agreement between the City of Appleton and the responsible party to provide for perpetual maintenance of stormwater practices. The agreement shall be recorded with the appropriate (Outagamie, Winnebago, or Calumet) County Register of Deeds, as a property deed restriction so that it is binding upon all subsequent owners of land served by the stormwater management practices.

(Ord 66-10, §1, 4-13-10)

(b) **Agreement provisions.** The responsible party shall maintain stormwater management practices in accordance with the stormwater practice maintenance provisions contained in the approved stormwater management plan submitted under §20-321(b) of this ordinance. This maintenance agreement includes:

- (1) Identification of the stormwater facilities and designation of the drainage area served by the facilities.
- (2) A schedule for regular maintenance of each aspect of the stormwater management system consistent with the stormwater management plan as required under 20-321 of this code.
- (3) Identification of the responsible party(ies),

organization or city, county, town or village responsible for long-term maintenance of the stormwater management practices identified in the stormwater management plan as required under 20-321 of this code.

- (4) Requirement that the responsible party(ies), organization, or city, county, town or village shall maintain stormwater management practices in accordance with the schedule included in §20-314(b)(2) of this ordinance.

- (5) Authorization for the City of Appleton to access the property to conduct inspections of stormwater practices as necessary to ascertain that the practices are being maintained and operated in accordance with the approved stormwater management plan. The City of Appleton shall maintain public records of the results of the site inspections, shall inform the responsible party for maintenance of the inspection results and shall specifically indicate any corrective actions required to bring the stormwater management practice into proper working condition and a reasonable time frame during which the corrective action must be taken.

- (6) Authorization for the City of Appleton to perform the corrected actions identified in the inspection report if the responsible party does not make the required corrections in the specified time period. The City of Appleton shall charge the responsible party(ies) identified in the maintenance agreement for the cost of such work and shall place a lien on the property by the City of Appleton, which may be collected as special charges pursuant to subchapter VII, §66(16).

(c) **Modification of agreement.** This maintenance agreement may be modified by mutual agreement of the responsible party and the City of Appleton. The modification date shall be the date the modified maintenance agreement is recorded with the appropriate (Outagamie, Winnebago, or Calumet) County Register of Deeds, as a property deed restriction so that the modified agreement is binding upon all subsequent owners of the land served by the stormwater management practices.

The maintenance agreement shall be modified when there are changes in land use or stormwater management practices at the site. The modified plan shall be submitted and approved by the City before changes in practices occur.

(Ord 66-10, §1, 4-13-10)

(d) *Termination of agreement.* The maintenance agreement shall be terminated at such time that responsibility for maintenance of the stormwater management practice is legally transferred to the City of Appleton or agency acceptable to the City of Appleton, through a written, binding agreement. The termination date of the maintenance agreement required under §20-314(a) of this ordinance shall be the date upon which the legal transfer of maintenance responsibility to the City of Appleton or agency is made effective. (Ord 188-03, §1, 10-21-03; Ord 66-10, §1, 4-13-10)

Secs. 20-315 – 20-320. Reserved.

DIVISION 3. PERMITTING AND FEES

Sec. 20-321. Permitting requirements, procedures and fees.

(a) *Permit required.* No ~~one responsible party~~ may undertake a land ~~disturbing construction development or redevelopment~~ activity ~~with one (1) acre or more of land disturbing construction activities~~, except 1- and 2-family residential lots, without receiving a post-construction runoff permit from the City of Appleton prior to commencing the proposed activity.

(b) *Permit application and fee.* Unless specifically excluded by this ordinance, any responsible party desiring a permit (permit holder) shall submit to the City of Appleton a permit application made on a form provided by the City of Appleton for that purpose.

(1) Unless otherwise excepted by this ordinance, a permit application must be accompanied by a stormwater management plan, grading plan, utility plan, landscape plan, non-refundable permit review fee and an operation and maintenance plan and agreement as set forth in Table ~~43~~. The initial submittal and the final approved ~~version plan~~ shall be stamped by an engineer licensed in the State of Wisconsin in a hard copy format.

Table ~~43~~

Land Development Activity	Permit	Stormwater Management Plan	Grading & Drainage Plan	Maintenance Agreement
Agricultural Use	--	--	--	--
Non-Residential	X	X	X	X
1 & 2 Family Residential on 1 acre or greater lots	Permit is administered by the WDNR		X	--
Multi-Family Residential	X	X	X	X
Subdivision Development	X	X	X	X

(2) The stormwater management plan shall be prepared to meet the requirements of §20-313 of this ordinance and the maintenance agreement shall be prepared to meet the requirements of §20-314 of this ordinance.

(3) For 1- and 2-Family Residential on one (1) acre or greater lots, ~~with greater than one (1) acre of disturbed area~~, post-construction stormwater permits are administered by the WDNR. ~~A simple combined grading and drainage plan attached to the building~~

~~permit that shows grading, drainage and measures to manage stormwater will meet the requirements of this ordinance.~~

- (4) Plan ~~revising~~ revisions occurring after initial plan approval shall be submitted for review with an application, applicable changes to drawings, calculations, and the Operation and Maintenance Agreement. Fees shall be per (5) below.
- (5) Fees for the above-noted permits will include a non-refundable one hundred dollar (\$100) application fee and will be the actual costs incurred by the City. The application fee shall be credited toward the actual costs incurred by the City. Fees shall be payable within thirty (30) days of receipt of an invoice from the City. An invoice will be sent any time an applicant fails to resubmit a plan revision for ninety (90) days or more.

(Ord 66-10, §1, 4-13-10; Ord 157-11, §1, 1-1-12)

(c) Review and approval of permit application.

The City of Appleton ~~shall will~~ review any complete permit application that is submitted with ~~a stormwater management plan, grading plan, maintenance agreement~~ and the required fee. The following approval procedure ~~shall will~~ be used:

- (1) For a Major Stormwater Management Plan, within thirty (30) business days of the receipt of a complete permit application, including all documents as required by §20-321(b)(1) of this ordinance, the City of Appleton shall inform the applicant whether the application, plan and maintenance agreement are approved or disapproved. The City of Appleton shall base the decision on requirements set forth in §20-312, §20-313 and §20-314 of this ordinance.
- (2) For a Minor Stormwater Management Plan, within fifteen (15) business days of receipt of a complete permit application, including all documents as required by §20-321(b)(1) of this ordinance, the City of Appleton shall inform the applicant whether the application, plan and maintenance agreement are approved or disapproved. The City of Appleton shall base the decision on requirements set forth in §20-312, §20-313 and §20-314 of this ordinance.

- (3) If the stormwater permit application, stormwater management plan and maintenance agreement are approved, or if an agreed upon payment of fees in lieu of stormwater management practices are paid, the City of Appleton shall issue the permit.

- (4) If the stormwater permit application, stormwater management plan or maintenance agreement are disapproved, the applicant may revise the stormwater management plan or agreement, or may appeal the decision of the City of Appleton as provided for in §20-327 of this ordinance.

- (5) If additional information is submitted, the City of Appleton shall have thirty (30) business days from the date the additional information is received for a Major Stormwater Management Plan and fifteen (15) business days for a Minor Stormwater Management Plan to inform the applicant that the plan and maintenance agreement are either approved or disapproved.

- (6) Failure by the City of Appleton to inform the permit applicant of a decision within the timelines listed above shall be deemed to mean approval of the submittal and applicant may proceed as if permit has been issued.

(Ord 157-11, §1, 1-1-12)

(d) Stormwater practice installation and maintenance performance security. The City of Appleton may, at its discretion, require the submittal of a cash escrow, letter of credit, or performance security prior to issuance of the permit to ensure that the stormwater practices are installed and maintained by the responsible party as required by the stormwater management plan. The amount of the installation performance security shall be determined by the City of Appleton, not to exceed the total estimated construction cost of the stormwater management practices approved under the permit unless otherwise specified in the permit.

The amount of the maintenance performance security shall be determined by the City of Appleton, not to exceed ten- (10-) years of the maintenance costs estimated in the stormwater plan. The performance security shall contain forfeiture provisions for failure to complete work specified in the stormwater management plan.

Conditions for the release of performance security are as follows:

- (1) The installation performance security shall be released in full only upon submission of “as built plans” and written certification by ~~the design—a professional~~ engineer ~~registered in the State of Wisconsin~~ that the stormwater practice(s) were installed and function as intended in accordance with the approved plan and other applicable provisions of this ordinance. The City of Appleton may make provisions for a partial pro-rata release of the performance security based on the completion of various development stages including the final inspection of landscaping material.
- (2) The maintenance performance security, minus any costs incurred by the City of Appleton to conduct required maintenance, design, engineering, preparation, checking and review of designs, plans and specifications; supervision and inspection to ensure that construction is in compliance with applicable plans, specifications, regulations and ordinances; and legal, administrative and fiscal work undertaken to assure and implement such compliance, shall be released at such time that the responsibility for practice maintenance is passed on to another private entity, via an approved maintenance agreement, or to the City of Appleton.

(e) **Permit conditions.** All permits issued under this ordinance shall be subject to the following conditions, and holders of permits issued under this ordinance shall be deemed to have accepted these conditions. The City of Appleton may suspend or revoke a permit for violation of a permit condition, following written notification of the responsible party. An action by the City of Appleton to suspend or revoke this permit may be appealed in accordance with §20-327 of this ordinance.

- (1) Compliance with this permit does not relieve the responsible party of the responsibility to comply with other applicable federal, state and local laws and regulations.
- (2) The responsible party shall design, install and maintain all structural and non-structural stormwater management measures in accordance with the approved stormwater management plan, maintenance agreement and this permit.

- (3) The responsible party shall notify the City of Appleton at least three (3) business days before commencing any work in conjunction with the stormwater management plan, and within five (5) business days upon completion of the stormwater management practices.

If required as a special condition, the permit holder shall make additional notification according to a schedule set forth by the City of Appleton so that practice installations can be inspected during construction.

- (4) Completed stormwater management practices must pass a final inspection to determine if they are in accordance with the approved stormwater management plan and ordinance. The inspection must be made by the City of Appleton, or other competent professionals. The City of Appleton shall notify the permit holder in writing of any changes required in such practices to bring them into compliance with the conditions of this permit. The responsible party is further required to submit an as-built plan and a certificate of completion, stating the completion of the permitted work is in accordance with the stormwater management plan, City of Appleton, state and federal requirements. The certificate must be signed by the design engineer.
- (5) The responsible party shall notify the City of any significant modifications it intends to make to an approved stormwater management plan. The City of Appleton may require that the proposed modifications be submitted for approval prior to incorporation into the stormwater management plan and execution by the responsible party.
- (6) The responsible party shall maintain all stormwater management practices specified in the approved stormwater management plan until the practices either become the responsibility of the City of Appleton, or are transferred to a subsequent responsible party as specified in the approved maintenance agreement.
- (7) The responsible party authorizes the City of Appleton to perform any work or operations necessary to bring stormwater management measures into conformance

with the approved stormwater management plan, and consents to placing associated costs upon the tax roll as a special lien against the property which may be collected as special charges pursuant to ~~§66.60(16)~~66.0627, Wis. Stat. by the City of Appleton or to charging such costs against the letter of credit, or cash bond posted for the project.

(8) If so directed by the City of Appleton, the responsible party shall repair at the permit holder's own expense all damage to adjoining municipal facilities and drainage ways caused by ~~stormwater~~ runoff, where such damage is caused by activities that are not in compliance with the approved stormwater management plan.

(9) The responsible party shall permit property access to the City of Appleton or its designee for the purpose of inspecting the property for compliance with the approved stormwater management plan and this permit.

(10) Where necessary, it shall be the responsibility of the permit holder to obtain any appropriate easements or other necessary property/interests with affected property owners concerning the prevention of endangerment to property or public safety. ~~the responsible party must obtain from adjacent property owners any easements or other required property interests concerning flowage of water and the prevention of endangerment to property or public safety.~~ Issuance of this permit does not create or affect any such rights.

(11) The owner is subject to the enforceable actions detailed in §20-326 of this ordinance if the responsible party fails to comply with the terms of this permit.

(Ord 66-10, §1, 4-13-10)

(f) **Permit duration.** The responsible party must start the permit activities within one (1) year of the date the permit is issued. An extension of one (1) year may be granted by the Director, provided a written request is submitted to the Director prior to the expiration date for the initial permit. If permit activities are not started, then a new permit application and fee may be required.
(Ord 66-10, §1, 4-13-10)

(g) **Fee in lieu of on-site stormwater management practices.** Where the City of Appleton waives all or part

of the minimum on-site stormwater management requirements under §20-313(c) of this ordinance, or where the waiver is based on the provision of adequate stormwater facilities provided by the City of Appleton downstream of the proposed development or redevelopment, as provided for under §20-312 of this ordinance, the applicant shall be required to pay a fee in an amount as determined by the City of Appleton pursuant to ~~§66.076~~66.0617, Wis. Stat. and any other applicable law.

(Ord 188-03, §1, 10-21-03)

Secs. 20-322 – 20-325. Reserved.

DIVISION 4. ENFORCEMENT AND APPEALS

Sec. 20-326. Enforcement and penalties.

(a) Any land ~~development or redevelopment~~ disturbing construction activity or any post-construction runoff initiated after the effective date of this ordinance by any person, firm, association or corporation subject to the ordinance provisions shall be deemed a violation unless conducted in accordance with ~~said provisions~~ the requirements of this ordinance.

(b) The City of Appleton shall notify the responsible party or owner ~~in writing~~ by certified mail of any non-complying land ~~disturbing construction development or redevelopment~~ activity or post construction runoff. The notice shall describe the nature of the violation, remedial actions needed, a schedule for remedial action and additional enforcement action, which may be taken.

(c) Upon receipt of written notification from the City of Appleton, the responsible party or owner shall correct work, ~~which that~~ does not comply with the stormwater management plan or other provisions of this permit, ~~within thirty (30) days~~. The responsible party or owner shall make corrections as necessary to meet the specifications and schedule set forth by the City of Appleton in the notice.

(d) If the violations to a permit issued pursuant to this ordinance are likely to result in damage to properties, public facilities, or waters of the state, the City of Appleton may enter the land and take emergency actions necessary to prevent such damage. The costs incurred by the City of Appleton plus interest and legal costs shall be billed to the responsible party or owner.

(e) The City of Appleton is authorized to post a stop work order on all land disturbing construction ~~development or redevelopment~~ activity that is in violation of this ordinance, or to request the Appleton City Attorney to obtain a cease and desist order.

(f) The City of Appleton may revoke a permit issued under this ordinance for non-compliance with ordinance provisions.

(g) Any permit revocation, stop work order or cease and desist order shall remain in effect unless retracted by the City of Appleton or by a court of competent jurisdiction.

(h) The City of Appleton is authorized to refer any violation of this ordinance, or of a stop work order or cease and desist order issued pursuant to this ordinance to the Appleton City Attorney for the commencement of further legal proceedings.

(i) Any person, firm, association or corporation who does not comply with the provisions of this ordinance shall be subject to the general penalty provisions of the Appleton Municipal Code §1-16. Each day that the violation exists shall constitute a separate offense.

(j) Violations of this ordinance deemed to be a public nuisance shall be subject to abatement under §12-32 of the City of Appleton Municipal Code or compliance with this ordinance may be enforced by injunctive order in any court with jurisdiction. It shall not be necessary to prosecute for forfeiture or a cease and desist order before resorting to injunctive proceedings.

(k) When the City of Appleton determines that the holder of a permit issued pursuant to this ordinance has failed to follow practices set forth in the stormwater management plan submitted and approved pursuant to §20-321 of this ordinance, or has failed to comply with schedules set forth in said stormwater management plan, the City of Appleton or a party designated by the City of Appleton may enter upon the land and perform the work or other operations necessary to bring the condition of said lands into conformance with requirements of the approved plan. The City of Appleton shall keep a detailed accounting of the costs and expenses of performing this work. These costs and expenses shall be deducted from any performance or maintenance security posted pursuant to §20-321 of this ordinance. Where such a security has not been established, or where such a security is insufficient to cover these costs, the costs and expenses shall be entered on the tax roll as a special charge against the property.

(Ord 188-03, §, 10-21-03)

Sec. 20-327. Appeals.

(a) **Appeals.** The Utilities Committee of the Appleton Common Council shall hear and recommend to Council appeals where it is alleged that there is error in any order, decision or determination made by the City of Appleton in administering this ordinance. The Committee shall use the rules, procedures, duties and powers authorized by statute in hearing and recommending appeals.

Upon appeal, the Committee may recommend to Council relief from the provisions of this ordinance that are not contrary to the public interest or provisions of state regulations, and where owing to special conditions a literal enforcement of this ordinance will result in unnecessary hardship.

(b) **Who may appeal.** Appeals to the Utilities Committee of the City of Appleton may be taken by any aggrieved person or by an officer, department, board or bureau of the City of Appleton affected by any decision

of the City of Appleton. Written appeals shall be filed with the City Clerk. The Utilities Committee will make a recommendation within forty-five (45) calendar days of filing of the appeal. If the Utilities Committee takes no action within forty-five (45) calendar days, the appeal will automatically be sent to Council with a recommendation for approval. Either party may file a written request for a time extension with the City Clerk. (Ord 188-03, §, 10-21-03)

Secs. 20-328 – 20-330. Reserved.

DIVISION 5. SEVERABILITY

Sec. 20-331. Severability.

If any section or portion thereof shall be declared by a decision of a court of competent jurisdiction to be invalid, unlawful or unenforceable, such decision shall apply only to the specific section or portion thereof directly specified in the decision, and not affect the validity of all other provisions, sections or portion thereof of the ordinance which shall remain in full force and effect.

(Ord 188-03, §1, 10-21-03)

DIVISION VI. EFFECTIVE DATE.

Sec. 20-336. Effective date.

This ordinance is in full force and effect on January 1, 2004.

(Ord 188-03, §1, 10-21-03)

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