

THE GAINES CHARTER TOWNSHIP

STORM WATER AND

ILLICIT DISCHARGE

ORDINANCE

(Effective on November 17, 2005)

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GAINES CHARTER TOWNSHIP

KENT COUNTY, MICHIGAN

AN ORDINANCE to provide for the regulation and control of storm water runoff and illicit discharges; to provide for storm water permits and the procedures and standards for the issuance thereof; to provide for payment or reimbursement of costs and expenses incurred by Gaines Charter Township associated with storm water permits and the consideration thereof; to establish standards and requirements for the protection of floodways and for the control of soil erosion and sedimentation; to adopt other provisions for the establishing, maintaining and protection of drains and drainageways; to provide regulations for the inspection, sampling and monitoring of storm water and other discharges; to establish performance and design standards for storm water management in specified zones of Gaines Charter Township; and to provide penalties for violations of the ordinance.

THE CHARTER TOWNSHIP OF GAINES ORDAINS:

CHAPTER I – GENERAL

Section 1.1 Statutory Authority and Title

This ordinance is adopted in accordance with the Charter Township Act, as amended, being MCL 42.1, *et seq.*; the Township Ordinance Act, being MCL 41.181 *et seq.*; the Township and Village Public Improvement Act, as amended, being MCL 41.721, *et seq.*; the Drain Code of 1956, as amended, being MCL 280.1, *et seq.*; the Land Division Act, as amended, being MCL 560.1, *et seq.*; the Revenue Bond Act, as amended, being MCL 141.101, *et seq.*; the Natural Resources and Environmental Protection Act, as amended, being MCL 324.101, *et seq.*; Section 401(p) of the Federal Water Pollution Control Act (also known as the Clean Water Act), as amended, being 33 USC 1342(p) and 40 CFR Parts 9, 122, 123 and 124; and any other applicable state and federal laws.

This ordinance shall be known and may be cited as the “Gaines Charter Township Storm Water and Illicit Discharge Ordinance.”

Section 1.2 Findings

Gaines Charter Township finds that:

- A. Water bodies, roadways, structures, and other property within, and downstream of Gaines Charter Township are at times subjected to flooding;
- B. Flooding is a danger to the lives and property of the public and is also a danger to the natural resources of Gaines Charter Township and the region;

- C. Land development alters the hydrologic response of watersheds, resulting in increased storm water runoff rates and volumes, increased flooding, increased stream channel erosion, and increased sediment transport and deposition;
- D. Storm water runoff produced by land development contributes to increased quantities of water-borne pollutants;
- E. Increases of storm water runoff, soil erosion, and non-point source pollution have occurred as a result of land development, and cause deterioration of the water resources of Gaines Charter Township and downstream municipalities;
- F. Storm water runoff, soil erosion, and non-point source pollution, due to land development within Gaines Charter Township, have resulted in a deterioration of the water resources of Gaines Charter Township and downstream municipalities;
- G. Increased storm water runoff rates and volumes, and the sediments and pollutants associated with storm water runoff from future development projects within Gaines Charter Township will, absent reasonable regulation and control, adversely affect Gaines Charter Township's water bodies and water resources, and those of downstream municipalities;
- H. Storm water runoff, soil erosion, and non-point source pollution can be controlled and minimized by the regulation of storm water runoff from development;
- I. Adopting the standards, criteria and procedures contained in this ordinance and implementing the same will address many of the deleterious effects of storm water runoff;
- J. Adopting these standards is necessary for the preservation of the public health, safety and welfare;
- K. Illicit discharges contain pollutants that will significantly degrade the water bodies and water resources of the Township, thus threatening the health, safety, and welfare of the citizenry;
- L. Illicit discharges enter the storm water drainage and water bodies system through either direct connections (e.g., wastewater piping either mistakenly or deliberately connected to the storm drains) or indirect connections (e.g., infiltration into the storm drain system or spills connected by drain inlets);
- M. Establishing the measures for controlling illicit discharges and connections contained in this ordinance and implementing the same will address many of the deleterious effects of illicit discharges; and

- N. Any condition caused or permitted to exist in violation of any of the provisions of this ordinance is a threat to public health, safety, and welfare, and is declared and deemed to be a nuisance.

Section 1.3 Purpose

It is the purpose of this ordinance to establish minimum storm water management requirements and controls to accomplish, among others, the following objectives:

- A. To reduce artificially induced flood damage;
- B. To minimize increased storm water runoff rates and volumes from identified new land development;
- C. To minimize the deterioration of existing watercourses, culverts and bridges, and other structures;
- D. To encourage water recharge into the ground where geologically favorable conditions exist;
- E. To prevent an increase in non-point source pollution;
- F. To maintain the integrity of stream channels for their biological functions, as well as for drainage and other purposes;
- G. To minimize the impact of development upon stream bank and streambed stability;
- H. To reduce erosion from development or construction projects;
- I. To preserve and protect water supply facilities and water resources by means of controlling increased flood discharges, stream erosion, and runoff pollution;
- J. To reduce storm water runoff rates and volumes, soil erosion, and non-point source pollution, wherever practicable, from lands that were developed without storm water management controls meeting the purposes and standards of this ordinance;
- K. To reduce the adverse impact of changing land use on water bodies and, to that end, this ordinance establishes minimum standards to protect water bodies from degradation resulting from changing land use where there are insufficient storm water management controls;
- L. To regulate the contribution of pollutants to the storm water drainage system and water bodies by storm water discharges by any user;
- M. To prohibit illicit discharges and connections to the storm water drainage system and water bodies;

- N. To establish legal authority to carry out all inspection, surveillance, and monitoring procedures necessary to ensure compliance with this ordinance; and
- O. To provide appropriate remedies for failure to comply with this ordinance.

Section 1.4 Applicability, Exemptions and General Provisions

This ordinance shall apply to any development site which requires approval of a plat, a site development plan, building permit, or any other permit for work which will alter storm water drainage characteristics of the development site, provided, however, that this ordinance shall not apply to the following:

- A. The installation or removal of individual mobile homes within a mobile home park. This exemption shall not be construed to apply to the construction, expansion, or modification of a mobile home park.
- B. Farm operations and buildings, except dwellings, directly related to farm operations. This exemption shall not apply to greenhouses, livestock production facilities (including poultry facilities) and other similar structures.
- C. Plats with preliminary plat approval and other developments with final land use approval prior to the effective date of this ordinance, where such approvals remain in effect.

This ordinance shall apply to all discharges entering the storm water drainage system and water bodies generated on any developed and undeveloped lands, and the above exemptions shall not apply regarding the discharge regulations contained in this ordinance.

Section 1.5 Definitions

For the purpose of this ordinance, the following words and phrases shall have the meanings respectively ascribed to them by this Section unless the context in which they are used specifically indicates otherwise:

- A. Authorized Enforcement Agency – The Township, and/or any person(s) or agencies designated to act as the Authorized Enforcement Agency by the Township.
- B. Base Flood – A flood having a one (1) percent chance of being equaled or exceeded in any given year.
- C. Base Flood Elevation – The high water elevation of the Base Flood, commonly referred to as the “100-year flood elevation.”
- D. Base Flood Plain – The area inundated by the Base Flood.

- E. Best Management Practices (BMPs) – A practice, or combination of practices and design criteria that comply with the Michigan Department of Environmental Quality’s Guidebook of BMPs for Michigan Watersheds, or equivalent practices and design criteria that accomplish the purposes of this ordinance (including, but not limited to minimizing storm water runoff and preventing the discharge of pollutants into storm water) as determined by the Engineer for Gaines Charter Township, and, where appropriate, the standards of the Kent County Drain Commissioner. This phrase can also mean structural devices or nonstructural practices that are designed to prevent pollutants from entering storm water flows, to direct the flow of storm water, or to treat polluted storm water flows. BMPs may include, but shall not be limited to, those described in the Michigan Department of Environmental Quality Guidebook of BMPs for Michigan watersheds. Equivalent practices and design criteria that accomplish the purposes of this ordinance (including, but not limited to, minimizing storm water runoff and preventing the discharge of pollutants into storm water) shall be as determined by the Township Engineer.
- F. Building Opening – Any opening of a solid wall such as a window or door, through which floodwaters could penetrate.
- G. Clean Water Act – The Federal Water Pollution Control Act, 33 USC Sec 1251 *et seq.*, as amended, and the applicable regulations promulgated thereunder.
- H. Construction Site Storm Water Runoff – Storm water runoff from a development site following an earth change.
- I. Design Engineer – Registered and licensed professional engineer responsible for the design of a drainage plan.
- J. Detention – A system which is designed to capture storm water and release it over a given period of time through an outlet structure at a controlled rate.
- K. Developed or Development – The installation or construction of impervious surfaces on a development site that require, pursuant to state law or local ordinance, Gaines Charter Township’s approval of a site plan, plat, site condominium, special land use, planned unit development, rezoning of land, land division approval, private road approval or other approvals required for the development of land or the erection of buildings or structures; provided, however, that for purposes of Chapter II only, developed or development shall not include the actual construction of, or an addition, extension or modification to, an individual single-family or a two-family detached dwelling.
- L. Developer – Any person proposing or implementing the development of land.
- M. Development Site – Any land that is being or has been developed, or that a developer proposes for development.

- N. Discharge – The introduction (intentionally or unintentionally, and directly or indirectly) of any liquid, substance, pollutant, or other material into a storm water drainage system or water body.
- O. Discharger – Any person or entity who directly or indirectly discharges storm water from any property. Discharger also means any employee, officer, director, partner, contractor, or other person who participates in, or is legally or factually responsible for, any act or omission which is or results in a violation of this ordinance.
- P. Drain – Any drain as defined in the Drain Code of 1956, as amended, being MCL 280.1 *et seq.*, other than an established county or intercounty drain. Also, any and all conduits, facilities, measures, areas, and structures that serve to convey, catch, hold, filter, store, and/or receive storm water or groundwater, either on a temporary or permanent basis.
- Q. Drainage – The collection, conveyance, or discharge of ground water and/or surface water.
- R. Drainageway – The area within which surface water or ground water is carried from one part of a lot or parcel to another part of the lot or parcel or to adjacent land. Also, a drain, water body, or floodplain.
- S. Earth Change – Any human activity which removes ground cover, changes the slope or contours of the land, or exposes the soil surface to the actions of wind and rain. Earth change includes, but is not limited to, any excavating, surface grading, filling, landscaping, or removal of vegetative roots.
- T. EPA – The United States Environmental Protection Agency.
- U. Erosion – The process by which the ground surface is worn away by action of wind, water, gravity or a combination thereof.
- V. Exempted Discharges – Discharges other than storm water as specified in Section 4.3 of this ordinance.
- W. Federal Emergency Management Agency (FEMA) – The agency of the federal government charged with emergency management.
- X. Flood or Flooding – A general and temporary condition of partial or complete inundation of normally dry land areas resulting from the overflow of water bodies or the unusual and rapid accumulation of surface water runoff from any source.
- Y. Floodplain – Any land area subject to periodic flooding. Also, the area, usually low lands, adjoining the channel of a river, stream, or watercourse or lake, or other body of standing water, that has been or may be covered by floodwater.

- Z. Flood-Proofing – Any structural and/or non-structural additions, changes, or adjustments to structures or property that reduce or eliminate flood damage to land, or improvements utilities and structures.
- AA. Flood Protection Elevation (FPE) – The Base Flood Elevation plus one (1) foot at any given location.
- BB. Floodway – The channel of any watercourse and the adjacent land areas that must be reserved to carry and discharge a base flood without cumulatively increasing the water surface elevation more than one-tenth (1/10) of a foot due to the loss of flood conveyance or storage.
- CC. Grading – Any stripping, excavating, filling, and stockpiling of soil or any combination thereof and the land in its excavated or filled condition.
- DD. Hazardous Materials – Any solid, liquid, semisolid, or gaseous substance or material that because of its quantity, quality, concentration, or physical, chemical, or infectious characteristics may cause or significantly contribute to an increase in mortality or an increase in serious irreversible illness or serious incapacitating but reversible illness, or may pose a substantial present or potential hazard to human health or the environment if improperly treated, stored, transported, disposed of, or otherwise managed.
- EE. Illicit Connection – Any method, conduit, or means for conveying an illicit discharge into water bodies or into Gaines Charter Township’s storm water system.
- FF. Illicit Discharge – Any discharge to water bodies or a storm water system that does not consist entirely of storm water, discharges pursuant to the terms of an NPDES permit, or exempted discharges as defined in this ordinance.
- GG. Impervious Surface - Surface that does not allow storm water runoff to slowly percolate into the ground.
- HH. KCDC - Kent County Drain Commissioner.
- II. Lowest Floor - The lowest floor or the lowest enclosed area (including a basement), but not including an unfinished or flood-resistant enclosure which is usable solely for parking of vehicles or building access.
- JJ. MDEQ - Michigan Department of Environmental Quality.
- KK. NPDES - National Pollution Discharge Elimination System.

- LL. National Pollution Discharge Elimination System (NPDES) Permit – A permit issued by the EPA or a state under authority delegated pursuant to the Clean Water Act that authorizes the discharge of pollutants to waters of the United States.
- MM. Non-Storm Water Discharge – Any discharge to the storm water drainage system or a water body that is not composed entirely of storm water.
- NN. Overland flow-way - Surface area that conveys a concentrated flow of storm water runoff.
- OO. Person - An individual, firm, partnership, association, public or private corporation, public agency, instrumentality, or any other legal entity.
- PP. Plan - Written narratives, specifications, drawings, sketches, written standards, operating procedures, or any combination of these which contain information pursuant to this ordinance.
- QQ. Pollutant - A substance discharged which includes, but is not limited to the following: any dredged spoil, solid waste, vehicle fluids, yard wastes, animal wastes, agricultural waste products, sediment, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological wastes, radioactive materials, heat, wrecked or discharged equipment, rock, sand, cellar dirt, and industrial, municipal, commercial and agricultural waste, or any other contaminant or other substance defined as a pollutant under the Clean Water Act. The word “pollutant” also includes properties or characteristics of water, including, but not limited to, pH, heat, TSS, turbidity, color, BOD, COD, toxicity, and odor.
- RR. Premises – Any building, structure, lot, parcel of land, or portion of land, or property, whether improved or unimproved, including adjacent sidewalks and parking strips.
- SS. Property Owner - Any person having legal or equitable title to property or any person having or exercising care, custody, or control over any property.
- TT. Retention - A system which is designed to capture storm water and contain it until it infiltrates the soil or evaporates.
- UU. Soil Erosion - The stripping of soil and weathered rock from land creating sediment for transportation by water, wind or ice, and enabling formation of new sedimentary deposits.
- VV. State of Michigan Water Quality Standards - All applicable State rules, regulations, and laws pertaining to water quality, including the provisions of Section 3106 of Part 31 of 1994 PA 451, as amended.

- WW. Storm Drain – A system of open or enclosed conduits and appurtenant structures intended to convey or manage storm water runoff, ground water and drainage.
- XX. Storm Water Drainage System – Storm sewers, conduits, curbs, gutters, catch basins, drains, ditches, pumping devices, parking lots, roads, or other man-made channels that are designed or used, singly or together in combination with one another, for collecting or conveying storm water.
- YY. Storm Water Permit – A permit issued pursuant to this ordinance.
- ZZ. Storm Water Pollution Prevention Plan – A document, that describes the BMPs and activities to be implemented by a person or business to identify sources of pollution or contamination at a site and the actions to eliminate or reduce pollutant discharges to storm water, a storm water drainage system, and/or a water body to the maximum extent practicable.
- AAA. Storm Water Runoff – The runoff and drainage of precipitation resulting from rainfall or snowmelt or other natural event or process.
- BBB. Storm Water Runoff Facility – The method, structure, area, system, or other equipment or measures which are designed to receive, control, store, or convey storm water.
- CCC. Stream – A river, stream or creek which may or may not be serving as a drain, or any other water body that has definite banks, a bed, and visible evidence of a continued flow or continued occurrence of water.
- DDD. Township – Gaines Charter Township (and its successor municipality)
- EEE. Township Board – The Township Board for Gaines Charter Township.
- FFF. Toxic Material – Any pollutant or combination of pollutants that is or can potentially be harmful to the public health or the environment, including, without limitation, those listed in 40 CFR 401.15 (as amended) as toxic under the provisions of the Clean Water Act, or listed in the Critical Materials Register promulgated by the Michigan Department of Environmental Quality, or as otherwise provided by local, state, or federal laws, rules, or regulations.
- GGG. Wastewater – Any water or other liquid, other than uncontaminated storm water, discharged from a premises. The term includes any water that has in any way been used and degraded or physically or chemically altered.
- HHH. Water Body – A river, lake, stream, pond, creek or other watercourse or wetlands.
- III. Watershed – A region draining into a water body.

- JJJ. Wetlands – Land characterized by the presence of water at a frequency and duration sufficient to support wetland vegetation or aquatic life.

CHAPTER II– STORM WATER PERMITS

Section 2.1 Permit Required.

- A. A developer shall not engage in any development without first receiving a storm water permit from the Township pursuant to Section 2.2.
- B. The granting of a storm water permit shall authorize only such development for which the permit is required, subject to the terms of the permit, and it shall not be deemed to approve other development or other land use activities. Storm water permits are only valid for one (1) year from the date it is issued. The Developer may request a one (1) year extension in writing. The extension is subject to approval of the Township and the request must be submitted prior to the initial permit expiring.

Section 2.2 Storm Water Permit Review Procedures

The Township shall grant a storm water permit, which may impose terms and conditions in accordance with Section 2.9, and which shall be granted only upon compliance with each of the following requirements:

- A. The developer has submitted a drainage plan complying with Section 2.3.
- B. The drainage plan contains a description of an adequate, temporary storm water retention system to prevent construction site storm water runoff, satisfying the requirements of Section 2.5, and the developer has obtained a soil erosion permit, if necessary.
- C. One of the following conditions is satisfied:
1. The developer provides:
 - (a) A permanent on-site storm water system sufficient to provide on-site detention of storm water runoff in a twenty-five (25) year storm event, and
 - (b) A direct connection for all storm water runoff that will be discharged from and through the development site in a one hundred (100) year storm event; or
 2. The developer provides a permanent on-site storm water system with a restricted outlet designed to result in no net increase in storm water

runoff volume or rate onto any adjacent property in a one hundred (100) year storm event.

- D. The developer has paid or deposited the storm water permit review fee pursuant to Section 2.4.
- E. The developer has paid or posted the applicable financial guarantee pursuant to Section 2.6.
- F. The developer provides all easements necessary to implement the approved drainage plan and to otherwise comply with this ordinance including, but not limited to, Section 7.2. All easements shall be acceptable to the Township in form and substance and shall be recorded with the Kent County Register of Deeds.
- G. The drainage plan is designed in conformity with the Township's design and performance standards for drains and storm water management systems, as set forth in Chapter VIII.
- H. All storm water runoff facilities shall be designed in accordance with the then-current BMPs.
- I. The developer provides the required maintenance agreement for routine, emergency, and long-term maintenance of all storm water runoff facilities and in compliance with the approved drainage plan and this ordinance including, but not limited to, Section 7.3. The maintenance agreement shall be acceptable to the Township in form and substance and shall be recorded with the Kent County Register of Deeds.

Section 2.3 Drainage Plan.

The developer shall provide a drainage plan to the Township for review and approval by the Township. The drainage plan shall identify and contain all of the following:

- A. The location of the development site and water bodies that will receive storm water runoff.
- B. The existing and proposed topography of the development site, including the alignment and boundary of the natural drainage courses, with contours having a maximum interval of one foot (using USGS datum). The information shall be provided with the pertinent Kent County soil map or superimposed on the pertinent Kent County soil map.
- C. The development tributary area to each point of discharge from the development.
- D. Calculations for the final peak discharge rates.

- E. Calculations for any facility or structure size and configuration.
- F. A drawing showing all proposed storm water runoff facilities with existing and final grades including proposed minimum building opening elevations for all lots, development sites and/or buildings included in the Development.
- G. The sizes and locations of upstream and downstream culverts serving the major drainage routes flowing into and out of the development site. Any significant off-site and on-site drainage outlet restrictions other than culverts should be noted on the drainage map.
- H. An implementation plan for construction and inspection of all storm water runoff facilities necessary to the overall drainage plan, including a schedule of the estimated dates of completing construction of the storm water runoff facilities shown on the plan and an identification of the proposed inspection procedures to ensure that the storm water runoff facilities are constructed in accordance with the approved drainage plan.
- I. A plan to ensure the effective control of construction site storm water runoff and sediment track-out onto roadways.
- J. Drawings, profiles, and specifications for the construction of the storm water runoff facilities reasonably necessary to ensure that storm water runoff will be drained, stored, or otherwise controlled in accordance with this ordinance.
- K. A maintenance agreement, in form and substance acceptable to the Township, for ensuring maintenance of any privately-owned storm water runoff facilities. The maintenance agreement shall include the developer's written commitment to provide routine, emergency, and long-term maintenance of the facilities and, in the event that the facilities are not maintained in accordance with the approved drainage plan, the agreement shall authorize the Township to maintain any on-site storm water runoff facility as reasonably necessary, at the developer's expense.
- L. The name of the engineering firm and the registered professional engineer that designed the drainage plan and that will inspect final construction of the storm water runoff facilities.
- M. All design information must be compatible for conversion to Grand Valley Regional Geographic Information System (REGIS).
- N. Any other information necessary for the Township to verify that the drainage plan complies with the Township's design and performance standards for drains and storm water management systems.

Section 2.4 Storm Water Permit Review Fees.

A. All expenses and costs incurred by the Township directly associated with processing, reviewing and approving or denying a storm water permit application shall be paid (or reimbursed) to the Township from the funds in a separate escrow account established by the developer, as provided in subsection B, below. The Township may draw funds from a developer's escrow account to reimburse the Township for out-of-pocket expenses incurred by the Township relating to the application. Such reimbursable expenses include, but are not limited to, expenses related to the following:

1. Services of the Township Attorney directly related to the application.
2. Services of the Township Engineer directly related to the application.
3. Services of other independent contractors working for the Township which are directly related to the application.
4. Any additional public hearings, required mailings and legal notice requirements necessitated by the application.

B. At the time a developer applies for a storm water permit, the developer shall deposit with the Township clerk, as an escrow deposit, an initial amount as determined by resolution of the Township Board for such matters and shall provide additional amounts as requested by the Township in such increments as are specified in said resolution. Initially, the amounts required are set forth as Appendix B. Any excess funds remaining in the escrow account after the application has been fully processed, reviewed, and the final Township approval and acceptance of the development has occurred will be refunded to the developer with no interest to be paid on those funds. At no time prior to the Township's final decision on an application shall the balance in the escrow account fall below the required initial amount. If the funds in the account are reduced to less than the required initial amount, the developer shall deposit into the account an additional amount as determined by Township Board resolution, before the application review process will be continued. Additional amounts may be required to be placed in the escrow account by the developer, at the discretion of the Township.

Section 2.5 Construction Site Runoff Controls

Prior to making any earth change on a development site regulated by this ordinance, the developer shall first obtain a soil erosion permit issued in accordance with Part 91 of Act No. 451 of the Public Acts of 1994, as amended, if one is required. The developer shall install storm water runoff facilities and shall phase the development activities so as to prevent construction site storm water runoff and off-site sedimentation. During all construction activities on the development site, the Township Engineer may inspect the development site to ensure compliance with the approved construction site runoff controls.

Section 2.6 Financial Guarantee

- A. The Township Engineer shall not approve a storm water permit until the developer submits to the Township, in a form and amount satisfactory to the Township, a letter of credit or other financial guarantee for the timely and satisfactory construction of all storm water runoff facilities and site grading in accordance with the approved drainage plan. Upon certification by a registered professional engineer that the storm water runoff facilities have been completed in accordance with the approved drainage plan including, but not limited to, the provisions contained in Section 2.3H, the Township may release the letter of credit, or other financial guarantee subject to final Township acceptance and approval.
- B. Except as provided in subsection C, below, the amount of the financial guarantee shall be 125% of the estimated construction cost, unless the Township determines that a greater amount is appropriate, in which case the basis for such determination shall be provided to the developer in writing. In determining whether an amount greater than 125% of the construction cost is appropriate, the Township shall consider the size and type of the development, the size and type of the on-site storm water system, and the nature of the off-site storm water runoff facilities the development will utilize.
- C. The Township Supervisor or Township Engineer may reduce or waive the amount of the financial guarantee for a development that will not increase the percentage of impervious surface of the development site by more than ten percent (10%).
- D. This ordinance shall not be construed or interpreted as relieving a developer of its obligation to pay all costs associated with on-site private storm water runoff facilities as well as those costs arising from the need to make other drainage improvements in order to reduce a development's impact on a drain consistent with adopted design standards.

Section 2.7 Certificate of Occupancy

No certificate of occupancy shall be issued until storm water runoff facilities have been completed in accordance with the approved drainage plan; provided, however, the Township may issue a certificate of occupancy if an acceptable letter of credit or other financial guarantee has been submitted to the Township, for the timely and satisfactory construction of all storm water runoff facilities and site grading in accordance with the approved drainage plan. In no case will certificate of occupancy be issued until the record plans, detailing the construction of the storm water facilities, are submitted and accepted by the Township Engineer.

Section 2.8 No Change in Approved Facilities

Storm water runoff facilities, after construction and approval, shall be maintained in good condition at all times, in accordance with the approved drainage plan, and shall not be subsequently altered, revised or replaced except in accordance with the approved drainage plan, or in accordance with approved amendments or revisions in the plan.

Section 2.9 Terms and Conditions of Permits

In granting a storm water permit, the Township may impose such terms and conditions as are reasonably necessary to effectuate the purposes of this ordinance. A developer shall comply with all such terms and conditions.

**CHAPTER III – STORM WATER SYSTEM, FLOODPLAIN AND OTHER STANDARDS,
SOIL EROSION CONTROL**

Section 3.1 Management of and Responsibility for Storm Water System

The Township is not responsible for providing drainage facilities on private property for the management of storm water on said property. It shall be the responsibility of the property owner to provide for, and maintain, private storm water runoff facilities serving the property and to prevent or correct the accumulation of debris that interferes with the drainage function of a water body.

Section 3.2 Storm Water System

All storm water runoff facilities shall be constructed and maintained in accordance with all applicable federal, state and local ordinances, and rules and regulations.

Section 3.3 Storm Water Discharge Rates and Volumes

The Township is authorized to establish minimum design standards for storm water discharge release rates and to require dischargers to implement on-site retention, detention or other methods necessary to control the rate and volume of surface water runoff discharged into the storm water drainage system, in the following circumstances:

- A. A parcel of land is being developed in a manner that increases the impervious surface area of the parcel; or
- B. The discharge exceeds the Township-calculated pre-development discharge characteristics for the subject property, and the Township determines that the discharge is a violation of the drainage, flooding or soil erosion regulations of this ordinance.

Section 3.4 Floodplain Standards

- A. All new buildings and substantial improvements to existing buildings shall be protected from flood damage up to the Flood Protection Elevation (FPE) and shall be in accordance with all applicable federal, state and local ordinances, and rules and regulations. Floodway alteration shall be permitted only upon review and approval by the Township, in accordance with an approved drainage plan.
- B. A drainage plan providing for the filling or alteration of a floodway may include provisions for maintaining stability of the banks of streams or other water bodies, by means of the establishing of buffer zones and other means of providing protection of the slopes and banks of water bodies.
- C. Within any required buffer zone, no earth change shall take place except in accordance with the approved drainage plan. Such a plan may also include provisions for the replacement of flood plain storage volume, where such storage volume is lost or diminished as a result of approved development.

Section 3.5 Soil Erosion and Sedimentation Control

- A. All persons who cause, in whole or in part, any earth change to occur shall provide soil erosion and sedimentation control so as to adequately prevent soils from being eroded and discharged or deposited onto adjacent properties or into a storm water drainage system, a public street or right of way, wetland, creek, stream, water body, or floodplain. All development shall be in accordance with all applicable federal, state and local ordinances, rules and regulations.
- B. During any earth change which exposes soil to an increased risk of erosion or sediment track-out, the property owner and other persons causing or participating in the earth change shall do the following:
 - 1. Comply with the storm water management standards of this ordinance.
 - 2. Obtain and comply with the terms of a soil erosion and sedimentation control permit if required by law.
 - 3. Prevent damage to any public utilities or services within the limits of grading and within any routes of travel or areas of work of construction equipment.
 - 4. Prevent damage to or impairment of any water body on or near the location of the earth change or affected thereby.
 - 5. Prevent damage to adjacent or nearby land.

6. Apply for all required approvals or permits prior to the commencement of work.
7. Proceed with the proposed work only in accordance with the approved plans and in compliance with this ordinance.
8. Maintain all required soil erosion and sedimentation control measures, including but not limited to, measures required for compliance with the terms of this ordinance.
9. Promptly remove all soil, sediment, debris, or other materials applied, dumped, tracked, or otherwise deposited on any lands, public streets, sidewalks, or other public ways or facilities, including catch basins, storm sewers, ditches, drainage swales, or water bodies. Removal of all such soil, sediment, debris or other materials within twenty-four (24) hours shall be considered prima facie compliance with this requirement, unless such materials present an immediate hazard to public health and safety.
10. Refrain from grading lands at locations near or adjoining lands, public streets, sidewalks, alleys, or other public or private property without providing adequate support or other measures so as to protect such other lands, streets, sidewalks or other property from settling, cracking or sustaining other damage.
11. Request and obtain inspection of soil erosion and sedimentation control facilities, by the Township at such frequency as required by the Township.

Section 3.6 Building Openings

- A. No building opening shall be constructed below the following elevations:
 1. One foot above the 100-year floodplain.
 2. The building opening established at the time of plat or development approval and on file in the Township's Engineering Department.
 3. Three feet above the top of any downstream culvert.
 4. Four feet above the bottom of any permanent and defined drain.
- B. A waiver from elevations stated in Section 3.6A may be granted by the Township Engineer following receipt of a certification from a registered professional engineer demonstrating that the proposed elevation does not pose a risk of flooding.

- C. Upon completion of construction of the structure's foundation and or slab on grade, a registered land surveyor shall certify any minimum building opening elevation specified by this ordinance. This certificate shall attest that the building opening elevation complies with the standards of this ordinance. The permittee for the building permit shall submit the certificate to the Township Building Inspections official prior to the commencement of framing and/or structural steel placement. If the surveyor should find that the minimum building opening elevation is below the elevation specified in Section 3.6A.2 or 3 , that opening must be raised using a method that meets with the approval of the Township. After reconstruction, a registered land surveyor or engineer shall re-certify that the minimum building opening elevation complies with the standards of this ordinance prior to the commencement of framing and or structural steel placement.
- D. Minimum basement opening elevations shall be incorporated into the restrictive covenants, the master deed or similar documents governing the development and shall include a block grading plan. A copy of the recorded documents shall be submitted to the Township for inclusion with the development file.

Section 3.7 Sump Pump Discharge

- A. Whenever building footing drains are required or utilized, a direct connection between the footing drains through a sump pump-check valve system to a storm sewer is required. A gravity system is not permitted.
- B. A storm water lateral shall be provided for each parcel at the time of storm sewer construction. Exceptions may be granted by the Township Engineer.

Section 3.8 Public Health, Safety and Welfare

Protection of the public health, safety and welfare shall be a primary consideration in the design of all storm water runoff facilities.

CHAPTER IV– PROHIBITIONS AND EXEMPTIONS

Section 4.1 Prohibited Discharges

- A. It is unlawful for any person (directly or indirectly) to discharge, or cause to be discharged, to a storm water drainage system or water body any substance or material, including, but not limited to, pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than storm water or an authorized discharge. This prohibition includes the commencement, conducting, or continuance of any illicit discharge by any person to a storm water drainage system or water body.

- B. Any person discharging storm water shall effectively prevent pollutants from being discharged with the storm water, except in accordance with BMPs.
- C. The Township is authorized to require dischargers to implement pollution prevention measures, using Storm Water Pollution Prevention Plans and BMPs, as determined necessary by the Township to prevent or reduce the discharge of pollutants to a storm water drainage system or water body.
- D. The discharge prohibitions of this section shall not apply to any non-storm water discharge authorized under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the EPA, provided the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the storm water drainage system.

Section 4.2 Prohibit Illicit Connections

- A. It is unlawful for any person to construct, use, maintain (or to allow the construction, use, maintenance or continued existence of) an illicit connection.
- B. This prohibition expressly includes, without limitation, illicit connections made prior to the effective date of this ordinance, and regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

Section 4.3 Exempted Discharges

The following non-storm water discharges are permissible, but only if they do not result in a violation of state of Michigan water quality standards and provided that they are undertaken in compliance with any applicable or required BMPs:

- A. Water supply line flushing.
- B. Landscape irrigation runoff.
- C. Diverted stream flows.
- D. Rising groundwater.
- E. Uncontaminated groundwater infiltration to storm drains.
- F. Uncontaminated pumped groundwater.
- G. Discharges from potable water sources.
- H. Foundation drains.

- I. Air conditioning condensate.
- J. Irrigation water.
- K. Springs.
- L. Water from crawl space pumps.
- M. Footing drains and basement sump pumps.
- N. Lawn watering runoff.
- O. Waters from non-commercial car washing.
- P. Flows from riparian habitats and wetlands.
- Q. Residential swimming pool water and other dechlorinated swimming pool water, provided that any filter backwash water that is present is treated.
- R. Residual street wash water.
- S. Discharges or flows from emergency fire fighting activities.
- T. Discharges specifically authorized in writing by the Township as being necessary to protect public health, welfare, and safety or the environment.
- U. Individual residential car washing.
- V. Discharges for which a specific federal or state permit has been issued.

Section 4.4 Interference with Natural or Artificial Drains

- A. It shall be unlawful for any person to stop, fill, dam, confine, pave, alter the course of, or otherwise interfere with any natural or constructed drain, or drainageway without first submitting a drainage plan to the Township and receiving approval of that plan. Any deviation from the approved plan is a violation of this ordinance. This section shall not prohibit, however, necessary emergency action so as to prevent or mitigate drainage that would be injurious to the environment, the public health, safety, or welfare.
- B. No filling, blocking, fencing or above-surface vegetation planting shall take place within a floodway.

- C. For an overland flow-way:
1. Silt screen fences shall not be permitted below the top of the bank of a water body.
 2. Chain link fences shall be permitted if the Township determines that the fence will not obstruct or divert the flow of water.
 3. If a fence is removed by the Township for drain access or drain maintenance, the fence shall be replaced by the owner of the fence at the owner's expense.
 4. No shrubs or trees shall be planted below the top of the bank of a water body.
- D. Shrubs, trees or other above-ground vegetation shall not be planted over the top of an underground storm sewer or over the top of the easement within which the storm sewer has been installed.

Section 4.5 Storage of Hazardous or Toxic Materials in Drainageway

Except as permitted by law, it shall be unlawful for any person to store or stockpile within a drainageway any hazardous or toxic materials unless adequate protection and/or containment has been provided so as to prevent any such materials from entering a drainageway or water body.

CHAPTER V – INSPECTION, MONITORING, REPORTING, AND RECORDKEEPING

Section 5.1 Inspection and Sampling

To assure compliance with the standards in this pervasively regulated area, the Township may inspect and/or obtain storm water samples from storm water runoff facilities of any discharger to determine compliance with the requirements of this ordinance. Upon request, the discharger shall allow the Township's properly identified representative to enter upon the premises of the discharger at all hours necessary for the purposes of such inspection or sampling. The Township shall provide the discharger reasonable advance notice of such inspection and/or sampling. The Township or its properly identified representative may place on the discharger's property the equipment or devices used for such sampling or inspection.

Section 5.2 Storm Water Monitoring Facilities

A discharger of storm water runoff shall provide and operate equipment or devices for the monitoring of storm water runoff, so as to provide for inspection, sampling, and flow measurement of each discharge to a water body or a storm water runoff facility, when

directed in writing to do so by the Township. The Township may require a discharger to provide and operate such equipment and devices if it is necessary or appropriate for the inspection, sampling and flow measurement of discharges in order to determine whether adverse effects from or as a result of such discharges may occur. All such equipment and devices for the inspection, sampling and flow measurement of discharges shall be installed and maintained in accordance with applicable laws, ordinances and regulations.

Section 5.3 Accidental Discharges

- A. Any discharger who accidentally discharges into a storm water drainage system or a water body any substance other than storm water or an exempted discharge shall immediately inform the Township concerning the discharge. If such information is given orally, a written report concerning the discharge shall be filed with the Township within five (5) days. The written report shall specify:
1. The composition of the discharge and the cause thereof.
 2. The exact date, time, and estimated volume of the discharge.
 3. All measures taken to clean up the accidental discharge, and all measures proposed to be taken to reduce and prevent any recurrence.
 4. The name and telephone number of the person making the report, and the name of a person who may be contacted for additional information on the matter.
- B. A properly-reported accidental discharge shall be an affirmative defense to a civil infraction proceeding brought under this ordinance against a discharger for such discharge. It shall not, however, be a defense to a legal action brought to obtain an injunction, to obtain recovery of costs or to obtain other relief as a result of or arising out of the discharge. A discharge shall be considered properly reported only if the discharger complies with all the requirements of Section 5.3A.

Section 5.4 Record Keeping Requirement

Any person subject to this ordinance shall retain and preserve for no less than three (3) years any and all books, drawings, plans, prints, documents, memoranda, reports, correspondence and records, including records on magnetic or electronic media and any and all summaries of such records, relating to monitoring, sampling and chemical analysis of any discharge or storm water runoff from any property.

CHAPTER VI – ENFORCEMENT

Section 6.1 Sanctions for Violation

- A. Any person violating any provision of this ordinance shall be responsible for a municipal civil infraction and be subject to a fine of not less than \$100.00 nor more than \$500.00 for a first offense, and not less than \$200.00 nor more than \$2,500.00 for a subsequent offense, plus costs, damages, expenses, and other sanctions as authorized under Chapter 87 of the Revised Judicature Act of 1961 (as amended) and other applicable laws, including, without limitation, equitable relief; provided, however, that the violation stated in Section 6.1D shall be a misdemeanor. Each day such violation occurs or continues shall be deemed a separate offense and shall make the violator liable for the imposition of a fine for each day. The rights and remedies provided for in this section are cumulative and in addition to any other remedies provided by law. An admission or determination of responsibility shall not exempt the offender from compliance with the requirements of this ordinance.
- B. For purposes of this section, “subsequent offense” means a violation of the provisions of this ordinance committed by the same person within 12 months of a previous violation of the same provision of this ordinance for which said person admitted responsibility or was adjudicated to be responsible.
- C. The Township’s Zoning Administrator, Engineer, and Building Inspector are authorized to issue municipal civil infraction citations to any person alleged to be violating any provision of this ordinance.
- D. Any person who neglects or fails to comply with a stop work order issued under Section 6.2 shall, upon conviction, be guilty of a misdemeanor, punishable by a fine of not more than \$500 or imprisonment in the county jail for not more than 93 days, or both such fine and imprisonment, and such person shall also pay such costs as may be imposed in the discretion of the court.
- E. Any person who aids or abets a person in a violation of this ordinance shall be subject to the sanctions provided in this section.

Section 6.2 Stop Work Order

Where there is work in progress that causes or constitutes in whole or in part, a violation of any provision of this ordinance, the Township is authorized to issue a Stop Work Order so as to prevent further or continuing violations or adverse effects. All persons to whom the stop work order is directed, or who are involved in any way with the work or matter described in the stop work order, shall fully and promptly comply therewith. The Township may also undertake or cause to be undertaken, any necessary or advisable protective measures so as to prevent violations of this ordinance or to avoid or reduce the effects of noncompliance herewith. The cost of any such protective measures shall be the responsibility of the owner

of the property upon which the work is being done and the responsibility of any person carrying out or participating in the work, and such cost shall be a lien upon the property.

Section 6.3 Failure to Comply; Completion

In addition to any other remedies, should any owner fail to comply with the provisions of this ordinance, the Township may, after the giving of reasonable notice and opportunity for compliance, have the necessary work done, and the owner shall be obligated to promptly reimburse the Township for all costs of such work.

Section 6.4 Emergency Measures

When emergency measures are necessary to moderate a nuisance, to protect public safety, health and welfare, and/or to prevent loss of life, injury or damage to property, the Township is authorized to carry out or arrange for all such emergency measures. Property owners shall be responsible for the cost of such measures made necessary as a result of a violation of this ordinance, and shall promptly reimburse the Township for all of such costs.

Section 6.5 Suspension of Access to the Storm Water Drainage System

- A. Suspension due to illicit discharges in emergency situations. The Township may, without prior notice, suspend access to the storm water drainage system to any person or premises when such suspension is necessary to stop an actual or threatened discharge that presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the storm water drainage system or a water body. If the person fails to comply with a suspension order issued in an emergency, the Township may take such steps as deemed necessary to prevent or minimize damage to the storm water drainage system or the environment, or to minimize danger to persons, and bill the person for the costs to the Township in taking such steps.
- B. Suspension due to the detection of illicit discharge. Any person discharging to the storm water drainage system in violation of this ordinance may have their access to the system terminated, if the Township determines that such termination would abate or reduce an illicit discharge. The Township will notify a violator of the proposed termination of its access. It shall be unlawful for any person to reinstate access of the storm water drainage system to a premises terminated pursuant to this section without the prior written approval of the Township.

Section 6.6 Cost Recovery for Damage to Storm Drain System

A discharger shall be liable for all costs incurred by the Township as the result of causing a discharge that produces a deposit or obstruction, or causes damage to, or impairs a storm drain, or violates any of the provisions of this ordinance. Costs include, but are not limited

to, those penalties levied by the EPA or MDEQ for violation of an NPDES permit, attorney fees, and other costs and expenses.

Section 6.7 Collection of Costs; Lien

Costs incurred by the Township and the Drain Commissioner pursuant to Section 6.2, Section 6.3, Section 6.4, and Section 6.6 shall be a lien on the premises which shall be enforceable in accordance with Act No. 94 of the Public Acts of 1933, as amended from time to time. Any such charges which are delinquent for six (6) months or more may be certified annually to the Township Treasurer who shall enter the lien on the next tax roll against the premises and the costs shall be collected and the lien shall be enforced in the same manner as provided for in the collection of taxes assessed upon the roll and the enforcement of a lien for taxes. In addition to any other lawful enforcement methods, the Township or the Drain Commissioner shall have all remedies authorized by Act No. 94 of the Public Acts of 1933, as amended.

Section 6.8 Appeals

Any person as to whom any provision of this ordinance has been applied may appeal in writing, not later than 30 days after the action or decision being appealed from, to the Township Board the action or decision whereby any such provision was so applied. Such appeal shall identify the matter being appealed, and the basis for the appeal. The Township Board shall consider the appeal and make a decision whereby it affirms, rejects or modifies the action being appealed. In considering any such appeal, the Township Board may consider the recommendations of the Township Engineer and the comments of other persons having knowledge of the matter. In considering any such appeal, the Township Board may grant a variance from the terms of this ordinance so as to provide relief, in whole or in part, from the action being appealed, but only upon finding that the following requirements are satisfied:

- A. The application of the ordinance provisions being appealed will present or cause practical difficulties for a development or development site; provided, however, that practical difficulties shall not include the need for the developer to incur additional reasonable expenses in order to comply with the ordinance; and
- B. The granting of the relief requested will not substantially prevent the goals and purposes sought to be accomplished by this ordinance, nor result in less effective management of storm water runoff.

Section 6.9 Cumulative Remedies

The imposition of a single penalty, fine, order, damage, or surcharge upon any person for a violation of this ordinance, or of any permit, order, notice or agreement issued, or entered into under this ordinance, shall not preclude the imposition by the Township or a court of competent jurisdiction of a combination of any or all of those sanctions and remedies or

additional sanctions and remedies with respect to the same violation, consistent with applicable limitations on penalty amounts under state or federal laws or regulations. A criminal citation and prosecution of a criminal action against a person shall not be dependent upon and need not be held in abeyance during any civil, judicial, or administrative proceeding, conference, or hearing regarding the person.

CHAPTER VII– STORM WATER EASEMENTS AND MAINTENANCE AGREEMENTS

Section 7.1 Applicability of Requirements

The requirements of this Chapter VII concerning storm water easements and maintenance agreements shall apply to all persons required to submit a drainage plan to the Township for review and approval.

Section 7.2 Storm Water Management Easements

The developer shall provide all storm water management easements necessary to implement the approved drainage plan and to otherwise comply with this ordinance in form and substance required by the Township and shall record such easements as directed by the Township. The easements shall assure access for proper inspection and maintenance of storm water runoff facilities and shall provide adequate emergency overland flow-ways.

Section 7.3 Maintenance Agreements

The developer shall provide all storm water maintenance agreements necessary to implement the approved drainage plan and to otherwise comply with this ordinance in form and substance as required by the Township, and shall record such agreements as directed by the Township. The maintenance agreements shall, among other matters, assure access for proper inspection and maintenance of storm water runoff facilities and adequate emergency overland flow-ways.

Section 7.4 Establishment of County Drains

Prior to final approval, all storm water management facilities for platted subdivisions shall be established as county drains, as authorized in Section 433, Chapter 18 of the Michigan Drain Code (P.A. 40 of 1956, as amended) for long-term maintenance. All other forms of development, without limitation, that include storm water management facilities may be established as county drains with the consent of the County Drain Commission and the establishment shall follow the same procedures as platted subdivisions.

CHAPTER VIII – PERFORMANCE AND DESIGN STANDARDS

Section 8.1 Performance Standards

In order to achieve the goals and purposes of this ordinance, the following three storm water management zones (Zones A, B and C) are hereby established. The Zones are shown on the map attached as Appendix A and made a part of this ordinance.

- A. Zone A represents areas which require the most protective storm water management regulations. The goal of this zone is to preserve the natural condition of water bodies included in it, in whole or in part. Zone A has, in general, little impervious surface area and few storm water facilities. In this zone, when site conditions permit, infiltration of storm water runoff shall be required, rather than the directed flow of storm water runoff into water bodies. This storm water management practice provides greater protection for surface water quality, and also assists in augmenting stream base flow, reduction of flash storm flows and prevention of stream bank erosion. Section 8.2 specifies design criteria for Zone A, in order that the volume and rate of storm water runoff are controlled at predevelopment levels.
- B. Zone B represents developed areas that have significant impervious surfaces and storm water runoff facilities in place. The goal of Zone B is the control of storm water runoff in order to prevent further destabilizing of streams and other water bodies. In this zone, the use of detention ponds, the maintenance and enhancement of buffer strips and other measures to reduce directly-connected impervious areas are specified in Section 8.2 for the achieving of the storm water management standards applicable to Zone B. The management practices for this zone are intended to maintain existing water quality and to alleviate adverse downstream impact on water bodies.
- C. Zone C consists of highly urbanized areas, or areas where there has been significant modification of drainageways. The amount of impervious surface area in Zone C is generally greater than 25%. Among the measures required in Zone C, as stated in Section 8.2, are the use of sediment basins, the maintenance and enhancement of buffer strips along water bodies and the reduction of impervious surface areas that are directly connected to water bodies. An important element of storm water management practice in Zone C is the control and prevention of sedimentation, in order to reduce pollution of water bodies.

Section 8.2 Design Standards

The design standards for storm water runoff facilities for Zones A, B and C, as described in Section 8.1, are the following:

	Zone A	Zone B	Zone C
Criteria	High quality waters. Meets water quality standards. Less than 10% imperviousness	Degraded physical, biological, or water quality indicators. 10% to 25% imperviousness	Heavily degraded physical, biological, or water quality indicators. Greater than 25% imperviousness.
Storm Water Management Standards	Use infiltration basins, infiltration trenches, extended detention basins, and/or constructed wetlands. Maintain and enhance buffer strips	Use detention ponds; maintain and enhance buffer strips, and reduce directly connected impervious area.	Use sediment basins, maintain and enhance buffer strips, and reduce directly connected impervious area.
Water Quality Control	Detain the first 0.5" of runoff from the contributing watershed, with detention per Zone B and infiltration where conditions permit, or provide equivalent treatment.	Detain the first 0.5" of runoff from the contributing watershed for 24 hours or provide equivalent treatment.	Provide sedimentation control within the drainage system.
Bank Erosion Control	Rate of release shall be limited to 0.05 cfs/acre for a 2-year storm event.	None.	Storm water runoff shall not exceed the capacity of the downstream conveyance system.
Flood Control	Detention with infiltration when conditions permit. Release rate of 0.13 cfs/acre per KCDC rules.	Release rate of 0.13 cfs/acre per KCDC rules	Direct conveyance of storm water runoff within the capacity of downstream system.

Section 8.3 Resolution to Implement Performance and Design Standards

The Township Board may adopt a resolution establishing more detailed design and performance standards for storm water runoff facilities, consistent with the terms of this ordinance, and in order to further implement its goals and purposes.

Section 8.4 Responsibility to Implement BMPs

The owner or operator of a premises used for commercial or industrial purposes shall provide, at the owner or operator's own expense, reasonable protection from an accidental discharge of prohibited materials or other wastes into the storm water drainage system or water body through the use of structural and nonstructural BMPs. Further, any person responsible for a premises that is, or may be, the source of an illicit discharge may be required to implement, at the person's expense, additional structural and nonstructural BMPs to prevent the further discharge of pollutants to the storm water drainage system or water body. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of storm water associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section.

CHAPTER IX – OTHER MATTERS

Section 9.1 Interpretation

Words and phrases in this ordinance shall be construed according to their common and accepted meanings, except that words and phrases defined in Section 1.5 shall be construed according to the respective definitions given in that section. Technical words and technical phrases that are not defined in this ordinance but which have acquired particular meanings in law or in technical usage shall be construed according to such meanings.

Section 9.2 Catch-Line Headings

The catch-line headings of the articles and sections of this ordinance are intended for convenience only, and shall not be construed as affecting the meaning or interpretation of the text of the articles or sections to which they may refer.

Section 9.3 Severability

The provisions of this ordinance are hereby declared to be severable, and if any part or provision of this ordinance should be declared invalid or unenforceable by any court of competent jurisdiction, such invalidity or unenforceability shall not affect any other part or provision of the ordinance.

Section 9.4 Other Ordinances

This ordinance shall be in addition to other ordinances of Gaines Charter Township, and shall not be deemed to repeal or replace other ordinances or parts thereof except to the extent that such repeal is specifically provided for in this Chapter.

Section 9.5 Effective Date

This ordinance shall become effective thirty (30) days following its publication or following the publication of a summary of its provisions in a local newspaper of general circulation.

Section 9.6 Repeal

Ordinance No. ____, titled _____, is hereby repealed, as of the effective date of this ordinance.

CERTIFICATION

I hereby certify that the above is a true copy of an Ordinance adopted by the Township Board for the Charter Township of Gaines at a regular meeting held on _____, 200__ at Township Hall.

Dated: _____, 200__

Crystal Osterink
Township Clerk
Gaines Charter Township

02247 (001) 277611.01

APPENDIX A

Management Zones

APPENDIX B

Escrow Fees

Residential		Commercial/Industrial	
Acres	Amount	Acres	Amount
0 to 10	\$0.00	0 to 10	\$0.00
10 to 40	\$1,000.00	10 to 40	\$1,000.00
40 or more	\$2,000.00	40 or more	\$2,000.00