GRAFTON
QUALITY LIFE. NATURALLY.

Town of Grafton Ordinance No. 2015-04

AN ORDINANCE AMENDING TITLE 7, CHAPTER 15, STORM WATER MANAGEMENT AND EROSION CONTROL, SECTION 5 – PERFORMANCE STANDARDS OF THE CODE OF ORDINANCES, TOWN OF GRAFTON, WISCONSIN, ADDRESSING PEAK DISCHARGE REQUIREMENTS

WHEREAS, it is deemed to be in the best interest of the Town of Grafton that the Municipal Code of the Town of Grafton be further modified and amended in the manner hereinafter more particularly set forth; and

WHEREAS, a Notice of Public Hearing before the Town Board was duly published in the *Ozaukee Press* on April 23, 2015, and April 30, 2015; and

WHEREAS, a Public Hearing was held before the Town Board on May 13, 2015, regarding the proposed Amendments to the Town's Code of Ordinances; and

WHEREAS, based on the above, it is deemed to be in the best interest of the Town of Grafton that the Municipal Code of the Town of Grafton be further modified and amended in the manner hereinafter more particularly set forth below.

NOW, THEREFORE, the Town Board of the Town of Grafton does hereby ordain as follows:

Section 1:

Section 7.15.5.03(B) of the Town of Grafton Code of Ordinances is hereby amended as provided below by adding the underlined language and deleting the language struck out:

7.15.5.03 Requirements

The plan required under Section 7.15.5.02 shall include the following:

....

(B) Peak Discharge.

(1) By design, BMPs shall be employed to maintain or reduce the peak runoff discharge rates, to the maximum extent practicable, as compared to pre-development conditions ~~for the 2-year, 10-year, and 100-year, 24-hour design storms applicable to the post-construction site~~ according to the peak discharge rate controls listed in the Town of Grafton Stormwater Management Plan as approved and updated by the Town Board.

(2) Pre-development conditions shall assume "good hydrologic conditions" for appropriate land covers as identified in TR-55 or an equivalent methodology. The meaning of "hydrologic soil group" and "runoff curve number" are as determined in TR-55. However, when pre-development land cover is cropland, rather than using TR-55 values for cropland, the runoff curve numbers in Table 1 shall be used.

Table 1
Maximum Pre-Development Runoff Curve Numbers for Cropland Areas

Hydrologic Soil Group	A	B	C	D
Runoff Curve Number	56	70	79	83

(3) ~~The post-construction outflow must be designed to maintain the peak discharge less than or equal to the pre-developed condition peak discharge. However,~~ aAt the discretion of the Town Engineer, the post-construction peak discharge may be required to be further reduced due to surrounding or downstream conditions.

(4) This subsection of the ordinance does not apply to any of the following:

~~(a) A post-construction site where the change in hydrology due to development does not increase the existing surface water elevation at any point within the downstream receiving water by more than 0.01 of a foot for the 2-year, 24-hour storm event.~~

~~(b)~~(a) A redevelopment post-construction site.

~~(c)~~(b) An in-fill development area less than 5 acres.

....

Section 2:

Except as hereinabove specifically modified and amended, the Code of Ordinances, Town of Grafton, Wisconsin, shall remain in full force and effect exactly as originally adopted and previously amended. All ordinances or parts of ordinances inconsistent with or in contravention of the provisions of this Ordinance are hereby repealed.

Section 3:

This Ordinance shall take effect and be in full force from and after its passage and publication or posting.

Adopted by the Town Board of the Town of Grafton, Ozaukee County, Wisconsin, at its regularly scheduled meeting on this 13th day of May, 2015.

Lester A. Bartel, Jr., Town Chairman

Amanda L. Schaefer, Town Clerk

Publication Date: May 21st, 2015
Posting Date: _____, 2015

Stormwater Management Plan Update and Drainage Complaint Response Policy

Prepared for:
Town of Grafton

Prepared by:
KEVIN B. KIMMES, P.E. – TOWN OF GRAFTON ENGINEER

January 5, 2016

1.0 STORMWATER MANAGEMENT PLAN UPDATE

The Town of Grafton Stormwater Management Plan (SWMP) was completed in December 2007. The SWMP contained several proposed revisions to the post-construction stormwater requirements for proposed development. The Town has moved to adopt the proposed revisions to discharge rate limits. The 2007 Stormwater Plan recommendations for Post Development peak rate discharges adopted by the Town are as follows:

1. The base level limits are applied everywhere stream protection limits are not applicable. The stream protection level limits apply to development taking place in and around the Ulao Creek, Mole Creek and Lake Michigan watersheds, referred to as the stream protection area.
2. The base level limits are as follows:
   a. The 100-year post-development peak runoff discharge shall not exceed the lesser of:
      i. 10-year predevelopment peak runoff discharge, or
      ii. Maximum hydraulic capacity of existing downstream conveyance facilities as determined by the Town.
   b. The post-development runoff discharges for storms up to and including the 10-year shall not exceed the 2-year predevelopment peak runoff discharge.
3. The stream protection level limits are as follows.
   a. The 100-year post-development peak runoff discharge shall not exceed the lesser of:
      i. 2-year predevelopment peak runoff discharge, or
      ii. Maximum hydraulic capacity of existing downstream conveyance facilities as determined by the Town.
   b. The post-development runoff discharges for storms up to and including the 25-year shall not exceed the 2-year predevelopment peak runoff discharge.

2.0 DRAINAGE COMPLAINT RESPONSE POLICY

The drainage complaint response policy is used to help the Town develop a consensus and priority system for responding to drainage problems. This policy provides the Town with a rational basis for using capital improvement funds to address drainage problems.

The following items should be considerations for responding to drainage complaints:

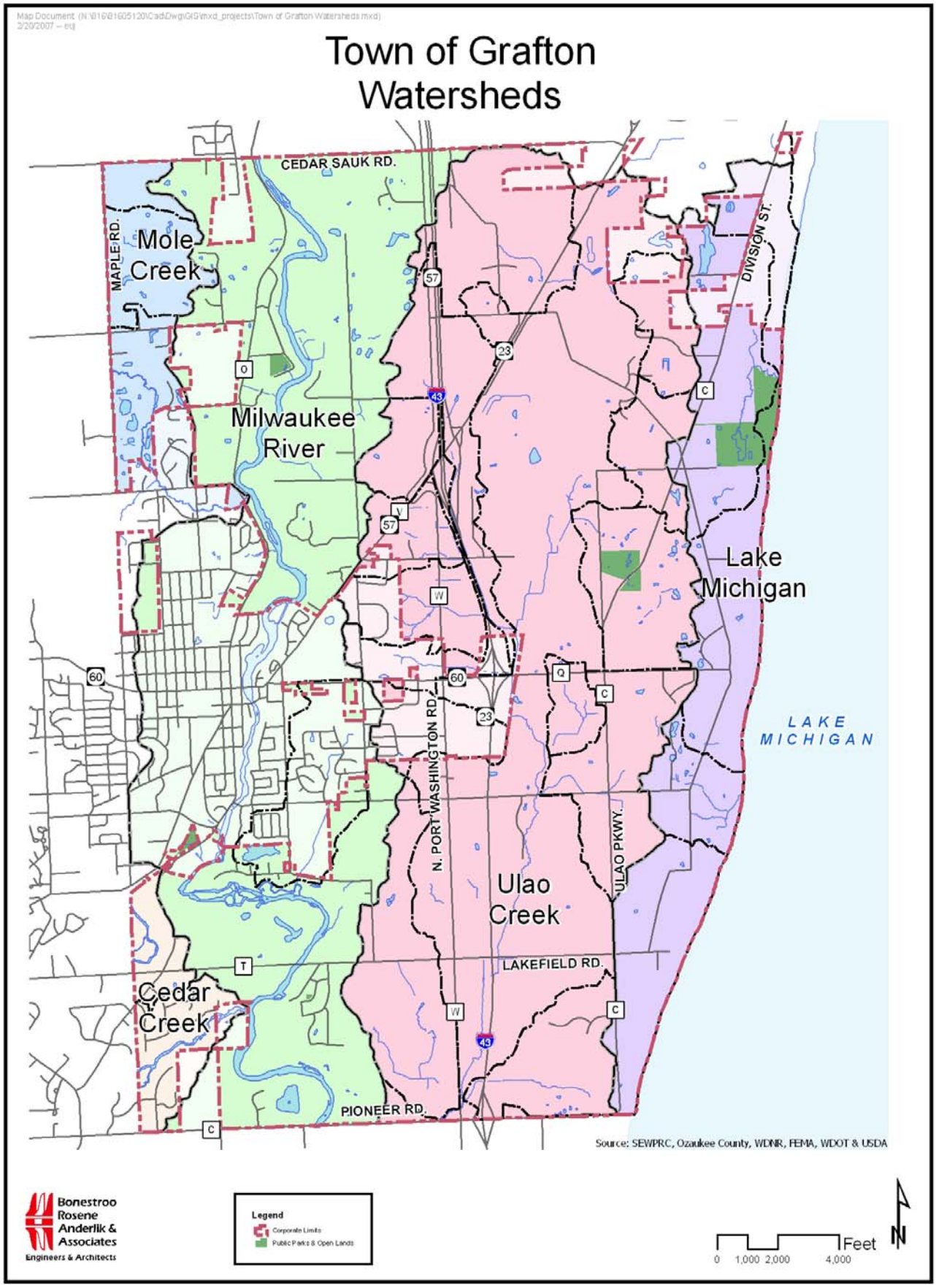
1. The frequency and severity of the problem.
2. The degree to which each party contributed to the problem.
3. Is there a threat to public infrastructure?
4. Is there a threat to private property and the Town is in the best position to remedy the problem?
5. Is there a threat to the natural environment or is there an opportunity to improve the environment?

The following criteria should be considered to determine the merit of projects:

1. When public infrastructure is threatened.
   a. The Town may choose to become involved in solving the stormwater problem. Assessment of severity and frequency will weigh into considerations for actions.
2. When the stormwater flows only from private land to private land
   a. The Town will enforce the applicable Town Code provisions.
   b. The Town will monitor the situation and may facilitate a private solution. If private parties are willing to assist in paying for improvements and staff time, it will improve project priority.
3. When the stormwater flows from public land to private land.
   a. The Town may choose to become involved if the criteria listed above are met and the frequency and severity of the problem warrant it, in the opinion of the Board.
   b. The degree of Town involvement may depend on the degree to which each party has contributed to the problem.
   c. The Town may also choose to enforce the applicable provisions of the Town Code to compel a private solution to the problem.
   d. The decision will be made on a case-by-case basis. If private parties are willing to assist in paying for improvements and staff time, it will improve project priority.

The table below prioritizes drainage complaints and will be used collectively for decision making by the Town Board when considering how to respond to drainage issues.

Flood Event Characteristics	**Likelihood Solutions will be investigated**			
	Low	**Medium**	**High**	**Highest**
Structures are flooding during events less than a 100 yr event.				■
Structures are not flooding, but a potentially dangerous situation exists				■
Access to home and parcel is hindered during flood event		■		
Flooding event occurs often			■	
Flooding event puts Town of Grafton Public Infrastructure at risk				■
Public Town ROW drainage is contributing to the issue			■	
Only 1 Private person's property is contributing to the issue	■			
Flood issue is entirely on private property	■			
Flood affected parties are willing to contribute funds to fix the issue			■	
Non-flood affected parties, that contribute drainage to the issue are willing to contribute funds to fix the issue				■


Map Document (N:\016816051201Cad\Dwg\GIS\mxd_projects\Town of Grafton Watersheds.mxd)
2/20/2007 -- euj
Town of Grafton
Watersheds
CEDAR SAUK RD.
MAPLE RD.
Mole
Creek
Milwaukee
River
DIVISION ST.
Lake
Michigan
LAKE
MICHIGAN
N. PORT WASHINGTON RD.
ULAO PKWY.
Ulao
Creek
LAKEFIELD RD.
Cedar
Creek
PIONEER RD.
Source: SEWPRC, Ozaukee County, WDNR, FEMA, WDOT & USDA
Bonestroo
Rosene
Anderlik &
Associates
Engineers & Architects
Legend
Corporate Limits
Public Parks & Open Lands
Feet
0 1,000 2,000 4,000
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