

WAYNE STORMWATER MANAGEMENT PLAN (Stormwater Discharge Permit Application)

Submitted by:



City of Wayne
4001 S. Wayne Rd
Wayne, MI 48184
734-722-8600



In collaboration with:



46036 Michigan Ave., Suite 126
Canton, Michigan 48188
www.allianceofrougecommunities.com

May 2021

Table of Contents

| | |
|---|----|
| Application Form | 3 |
| APPENDIX A: Outfall and Point of Discharge Information | 29 |
| APPENDIX B: Enforcement Response Procedure | 27 |
| APPENDIX C: PPP | 34 |
| APPENDIX D: PEP | 35 |
| APPENDIX E: IDEP | 36 |
| APPENDIX F: Construction Stormwater Runoff Control | 37 |
| APPENDIX G: Post-Construction Stormwater Runoff Program | 41 |
| APPENDIX H: Pollution Prevention and Good Housekeeping | 59 |
| GENERAL PROCEDURES | 51 |
| SPILL RESPONSE | 68 |
| APPENDIX I: TMDL | 89 |

Identify the Primary Municipal Facility or the Mailing Address Location

A site needs to be identified as part of the application. Identify the physical address for the municipal entity, such as the primary municipal facility (e.g., City Hall).

Facility Location

42.277543,-83.38590899999997

Section 3. MS4 Contacts (1 of 1)

CONTACTS

A contact must be provided for each of the roles listed below. You may assign more than one role to a single contact by holding down the 'Ctrl' key while selecting each role. Use the "+" (repeat section) button to add an additional contact.

Contact

Storm Water Billing

Contact

Storm Water Program Manager

Application Contact

Contact

Contact

Prefix: Mr.

First Name: Mike

Last Name: Buiten

Company: City of Wayne

Title: Engineering Manager

Ext: NONE PROVIDED

Phone: 734-722-8600

FAX: NONE PROVIDED

Email: mbuiten@ci.wayne.mi.us

Address

Address Line 1: 4001 S. Wayne Rd.

Address Line 2: NONE PROVIDED

City: Wayne

State: MI

Postal Code: 48184

Country: USA

Section 4: Regulated Area, Outfalls/Points of Discharge, and Nested Jurisdictions (1 of 1)

Regulated Area

Identify the urbanized area within the applicant's jurisdictional boundary as defined by the 2010 Census. The regulated MS4 means an MS4 owned or operated by a city, village, township, county, district, association, or other public body created by or pursuant to state law and the nested MS4 identified below that is located in an urbanized area and discharges storm water into surface waters of the state. The 2010 Census maps are located at the Urbanized Area Link below.

[Urbanized Area Link](#)

Select an Urbanized Area

Detroit

Outfall and Point of Discharge Information

Provide the following information for each of the applicant's MS4 outfalls and points of discharge within the regulated area: identification number, description of whether the discharge is from an outfall or point of discharge, and the surface water of the state that receives the discharge. An outfall means a discharge point

from an MS4 directly to surface waters of the state. A point of discharge means a discharge from an MS4 to an MS4 owned or operated by another public body. In the case of a point of discharge, the surface water of the state is the ultimate receiving water from the final outfall. Please note that an MS4 is not a surface water of the state. For example, an open county drain that is a surface water of the state is not an MS4. An example table is available at the link below.

[Outfall and Point of Discharge example table link](#)

OUTFALL AND POINT OF DISCHARGE INFORMATION - Attachment(s)

[Wayne_Appendix A_1of2.pdf - 03/31/2016 11:35 AM](#)

[WN App A 2of2.pdf - 10/15/2018 02:40 PM](#)

Comment: See Appendix A

Nested Jurisdictions

Submit the name and general description of each nested MS4 for which a cooperative agreement has been reached to carry out the terms and conditions of the permit for the nested jurisdiction. The applicant shall be responsible for assuring compliance with the permit for those nested jurisdictions with which they have entered into an agreement and listed as part of the Application. If the primary jurisdiction and the nested jurisdiction agree to cooperate so that the terms and conditions of the permit are met for the nested MS4, the nested jurisdiction does not need to apply for a separate permit. A city, village, or township shall not be a nested jurisdiction.

Use the "+" (repeat section) button to add an additional Jurisdiction contact.

Nested Jurisdiction

Contact

Prefix: NONE PROVIDED

First Name: NONE PROVIDED

Last Name: NONE PROVIDED

Company: NONE PROVIDED

Title: NONE PROVIDED

Ext: NONE PROVIDED

Phone: NONE PROVIDED

FAX: NONE PROVIDED

Email: NONE PROVIDED

Address

Address Line 1:

Address Line 2: NONE PROVIDED

City:

State:

Postal Code:

Country:

Section 5: General SWMP, Enforcement Response Procedure, and Public Participation/Involvement Program

STORM WATER MANAGEMENT PROGRAM (SWMP)

This Application requires a description of the Best Management Practices (BMPs) the applicant will implement for each minimum control measure and the applicable water quality requirements during this permit cycle. The applicant shall incorporate the BMPs to develop a SWMP as part of the Application. The SWMP shall be developed, implemented, and enforced to reduce the discharge of pollutants from the MS4 to the Maximum Extent Practicable and protect water quality in accordance with the appropriate water quality requirements of the NREPA 451, Public Acts of 1994, Part 31, and the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq.). The Maximum Extent Practicable may be met by implementing the BMPs identified in the SWMP and demonstrating the effectiveness of the BMPs. The applicant shall attach any appropriate and necessary documentation to demonstrate compliance with the six minimum control measures and applicable water quality requirements as part of the Application. The applicant shall complete this Application to the best of its knowledge and ensure that it is true, accurate, and meets the minimum requirements for a SWMP to the Maximum Extent Practicable. Several minimum control measures include a statement requesting the applicant to indicate in the response if you are, or will be, working collaboratively with watershed or regional partners on any or all activities to meet the minimum control measure requirements. If the applicant chooses to work collaboratively with watershed or regional partners to implement parts of the SWMP, each applicant will be responsible for complying with the minimum permit requirements. For purposes of this Application, a procedure means a written process, policy or other mechanism describing how the applicant will implement minimum requirements. When answering the questions in this section of the Application, the applicant's MS4 encompasses what the applicant identified in Sections 4. The applicant shall include a measurable goal for each BMP. Each measurable goal shall include, as appropriate, a schedule for BMP implementation (months and years), including interim milestones and the frequency of the action. Each measurable goal shall have a measure of assessment to measure progress towards achieving the measurable goal. A United States Environmental Protection Agency (USEPA) guidance document on measurable goals is available at the link below.

[USEPA measurable goals guidance document link](#)

Enforcement Response Procedure (ERP)

The applicant shall describe the current and proposed enforcement responses to address violations of the applicant's ordinances and regulatory mechanisms identified in the SWMP. The following question represents the minimum requirement for the ERP. Please complete the question below.

ERP - Attachment(s)

[WN - App B ERP.pdf - 07/10/2018 11:41 AM](#)

Comment: See Appendix B

Public Participation/Involvement Program (PPP)

The applicant shall describe the current and proposed BMPs to meet the minimum control measure requirements for the PPP to the maximum extent practicable, which shall be incorporated into the SWMP. Please indicate in your response if you are, or will be, working collaboratively with watershed or regional partners on any or all activities in the PPP during the permit cycle (i.e., identify collaborative efforts in the procedures). The following questions represent the minimum control measure requirements for the PPP. Please complete all the questions below. A measurable goal with a measure of assessment shall be included for each BMP, and, as appropriate, a schedule for implementation (months and years), including interim milestones and the frequency of the BMP. The responses shall reflect the nested MS4s identified in Section 4.

Proposing to work collaboratively on any or all activities in the PPP during the permit cycle?

Yes

PPP Procedures - Attachment(s)

[App C Final PPP 02-27-17.pdf - 07/10/2018 11:41 AM](#)

Comment: See Appendix C

2. Provide the reference to the procedure submitted above for making the SWMP available for public inspection and comment. The procedure shall include a process for notifying the public when and where the SWMP is available and of opportunities to provide comment. The procedure shall also include a process for complying with local public notice requirements, as appropriate. (page and paragraph of attachments): e.g., Attachment A, Page 3, Section b.

See Appendix C,
Section B

3. Provide the reference to the procedure submitted above for inviting public involvement and participation in the implementation and periodic review of the SWMP. (page and paragraph of attachments):

See Appendix C, Section D

Section 6. Public Education Program

Proposing to work collaboratively on any or all activities in the PEP during the permit cycle?

Yes

PEP Procedures - Attachment(s)

[App D Final ARC Collaborative PEP 03-21-17.pdf - 07/10/2018 11:41 AM](#)

Comment: See Appendix D

4. PEP activities may be prioritized based on the assessment of high priority, community-wide issues and targeted issues to reduce pollutants in storm water runoff. If prioritizing PEP activities, provide the reference to the procedure submitted above with the assessment and list of the priority issues (e.g., Attachment A, Section 1).

See Appendix D, Section A

5. Provide the reference to the procedure submitted above identifying applicable PEP topics and the activities to be implemented during the permit cycle. If prioritizing, prioritize each applicable PEP topics as high, medium, or low based on the assessment in Question 4. For each applicable PEP topic below, identify

in the procedure the target audience; key message; delivery mechanism; year and frequency the BMP will be implemented; and the responsible party. If a PEP topic is determined to be not applicable or a priority issue, provide an explanation. An example PEP table is available at the link below.

[PEP table example link](#)

A. Promote public responsibility and stewardship in the applicant's watershed(s). Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D, Section C

B. Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D, Section C

C. Educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the MS4. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D,
Section C

D. Promote preferred cleaning materials and procedures for car, pavement, and power washing. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

Medium. See Appendix D, Section C

E. Inform and educate the public on proper application and disposal of pesticides, herbicides, and fertilizers. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D, Section
C

F. Promote proper disposal practices for grass clippings, leaf litter, and animal wastes that may enter into the MS4. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D, Section
C

G. Identify and promote the availability, location, and requirement of facilities for collection or disposal of household hazardous wastes, travel trailer sanitary wastes, chemicals, and motor vehicle fluids. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D,
Section C

H. Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D, Section
C

I. Educate the public on, and promote the benefits of, green infrastructure and low impact development. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

High. See Appendix D, Section
C

J. Identify and educate commercial, industrial, and institutional entities likely to contribute pollutants to storm water runoff. Provide the reference to the procedure submitted above or explanation as to why the topic is not applicable.

Low. See Appendix D, Section
C

6. Provide the reference to the procedure submitted above for evaluating and determining the effectiveness of the overall PEP. The procedure shall include a method for assessing changes in public awareness and behavior resulting from the implementation of the PEP and the process for modifying the PEP to address ineffective implementation. e.g., Attachment A, Page 3, Section b.

Appendix D,
Section D

Section 7. Illicit Discharge Elimination Program

>>Click here to access the MDEQ IDEP Compliance Assistance Document

>>Click here to access the Center for Watershed Protection guide

Proposing to work collaboratively on any or all BMPs in the IDEP during the permit cycle?

Yes

Illicit Discharge Elimination Program Procedures - Attachment(s)

[App E Final Collaborative IDEP 09 25 2017.pdf - 07/10/2018 11:42 AM](#)

[WN App E2 IDEP Ord.pdf - 07/10/2018 11:42 AM](#)

Comment: See Appendix E

Storm Sewer System Map

7. Provide the location where an up-to-date storm sewer system map(s) is available. The map(s) shall identify the following: the storm sewer system, the location of all outfalls and points of discharge, and the names and location of the surface waters of the state that receive discharges from the permittee's MS4 (for both outfalls and points of discharge). A separate storm sewer system includes: roads, catch basins, curbs, gutters, parking lots, ditches, conduits, pumping devices, and man-made channels. A storm sewer system map(s) may include available diagrams, such as certification maps, road maps showing rights-of-way, as-built drawings, or other hard copy or digital representation of the storm sewer system. (e.g., The Department of Public Works office)

City of Wayne

DPW Building, 4001 S. Wayne Rd., Wayne

Illicit Discharge Identification and Investigation

8. The MS4 may be prioritized for detecting non-storm water discharges during the permit cycle. The goal of the prioritization process is to target areas with high illicit discharge potential. If prioritizing, provide the reference to the procedure submitted above with the process for selecting each priority area using the list below. (e.g., Attachment A, page 3, Section b.) • Areas with older infrastructure • Industrial, commercial, or mixed use areas • Areas with a history of past illicit discharges • Areas with a history of illegal dumping • Areas with septic systems • Areas with older sewer lines or with a history of sewer overflows or cross-connections • Areas with sewer conversions or historic combined sewer systems • Areas with poor dry-weather water quality • Areas with water quality impacts, including waterbodies identified in a Total Maximum Daily Load • Priority areas applicable to the applicant not identified above

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix E, Section C

9. If prioritizing dry-weather screening, provide the reference to the document submitted above with the geographical location of each prioritized area using either a narrative description or map and identify the prioritized areas that will be targeted during the permit cycle.

See Appendix E, Section

D

10. Provide the procedure for performing field observations at all outfalls and points of discharge in the priority areas as identified in the procedure above or for the entire MS4 during dry-weather at least once during the permit cycle. The procedure shall include a schedule for completing the field observations during the permit cycle or more expeditiously if the applicant becomes aware of a non-storm water discharge. As part of the procedure, the applicant may submit an interagency agreement with the owner or operator of the downstream MS4 identifying responsibilities for ensuring an illicit discharge is eliminated if originating from the applicant's point(s) of discharge. The interagency agreement would eliminate the requirement for performing a field observation at that point(s) of discharge. Areas not covered by the interagency agreement shall be identified with a schedule for performing field observations included in the procedure. The focus of the field observation shall be to observe the following: • Presence/absence of flow • Water clarity • Deposits/stains on the discharge structure or bank • Color • Vegetation condition • Odor • Structural condition • Floatable materials • Biology, such as bacterial sheens, algae, and slimes

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix E, Section D

11. Provide the reference to the procedure submitted above for performing field screening if flow is observed at an outfall or point of discharge and the source of an illicit discharge is not identified during the field observation. Field screening shall include analyzing the discharge for indicator parameters (e.g., ammonia, fluoride, detergents, and pH). The procedure shall include a schedule for performing field screening.

See Appendix E, Section D

12. Provide the reference to the procedure submitted above for performing a source investigation if the source of an illicit discharge is not identified by field screening. The procedure shall include a schedule for performing a source investigation.

See Appendix E, Section D

13. Provide the reference to the procedure submitted above for responding to illegal dumping/spills. The procedure shall include a schedule for responding to complaints, performing field observations, and follow-up field screening and source investigations as appropriate.

See Appendix E, Spill Response
Procedure, Section B

14. If prioritizing, provide the reference to the procedure submitted above for responding to illicit discharges upon becoming aware of such a discharge outside of the priority areas. The procedure shall include a schedule for performing field observations, and follow-up field screening and source investigation as appropriate. If not prioritizing, enter "Not Applicable."

See Appendix E, Section D

15. Provide the reference to the procedure submitted above which includes a requirement to immediately report any release of any polluting materials from the MS4 to the surface waters or groundwaters of the state, unless a determination is made that the release is not in excess of the threshold reporting quantities in the Part 5 Rules, by calling the appropriate MDEQ District Office, or if the notice is provided after regular working hours call the MDEQ's 24-Hour Pollution Emergency Alerting System telephone number: 800-292-4706. (Example threshold reporting quantities: a release of 50 pounds of salt in solid form or 50 gallons in liquid form to waters of the state unless authorized by the MDEQ for deicing or dust suppressant.)

See Appendix H2, Spill Response
Procedure, Section C

16. If the procedures requested in Questions 8 through 14 do not accurately reflect the applicant's procedure(s), provide the reference to the procedure(s) submitted above describing the alternative approach to meet the minimum requirements.

This Collaborative and Alternative approach meets and/or
exceeds the expected results from minimum control measure requirements as
described in Attachment E, Section B

17. Provide the reference to the procedure submitted above for responding to illicit discharges once the source is identified. The procedure shall include a schedule to eliminate the illicit discharge and pursue enforcement actions. The procedure shall also address illegal spills/dumping.

See Appendix E,
Section E

IDEP Training and Evaluation

18. Provide the reference to the program submitted above to train staff employed by the applicant, who, as part of their normal job responsibilities, may come into contact with or otherwise observe an illicit discharge to the regulated MS4, on the following topics. The program shall include a training schedule for this permit cycle. It is recommended that staff be trained more than once per permit cycle. • Techniques for identifying an illicit discharge or connection, including field observation, field screening, and source investigation. • Procedures for reporting, responding to, and eliminating an illicit discharge or connection and the proper enforcement response. • The schedule and requirement for training at least once during the term of this permit cycle for existing staff and within the first year of hire for new staff.

Provide the reference to the program submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix E, Section D

19. Provide the reference to the procedure submitted above for evaluating and determining the overall effectiveness of the IDEP. The procedure shall include a schedule for implementation. Examples of evaluating overall effectiveness include, but are not limited to, the following: evaluate the prioritization process to determine if efforts are being maximized in areas with high illicit discharge potential; evaluate the effectiveness of using

different detection methods; evaluate the number of discharges and/or quantity of discharges eliminated using different enforcement methods; and evaluate program efficiency and staff training frequency.

See Appendix E, Section F

Illicit Discharge Ordinance or Other Regulatory Mechanism

20. Provide the reference to the in effect ordinance or regulatory mechanism submitted above that prohibits non-storm water discharges into the applicant's MS4 (except the non-storm water discharges addressed in Questions 21 and 22).

See

Appendix E2, Section 7

21. Provide the reference to the ordinance or other regulatory mechanism submitted above that excludes prohibiting the discharges or flows from firefighting activities to the applicant's MS4 and requires that these discharges or flows only be addressed if they are identified as significant sources of pollutants to waters of the State. The ordinance shall not authorize illicit discharges; however, the applicant may choose to exclude prohibiting the discharges and flows from firefighting activities if they are identified as not being significant sources of pollutants to waters of the state.

See Appendix E2, Section

7

22. Provide the reference to the ordinance or other regulatory mechanism submitted above that excludes prohibiting the following categories of non-storm water discharges or flows if identified as significant contributors to violations of Water Quality Standards. The ordinance shall not authorize illicit discharges; however, the applicant may choose to exclude prohibiting the following discharges or flows if they are identified as not being a significant contributor to violations of Water Quality Standards. a. Water line flushing and discharges from potable water sources b. Landscape irrigation runoff, lawn watering runoff, and irrigation waters c. Diverted stream flows and flows from riparian habitats and wetlands d. Rising groundwaters and springs e. Uncontaminated groundwater infiltration and seepage f. Uncontaminated pumped groundwater, except for groundwater cleanups specifically authorized by NPDES permits g. Foundation drains, water from crawl space pumps, footing drains, and basement sump pumps h. Air conditioning condensation i. Waters from noncommercial car washing j. Street wash water k. Dechlorinated swimming pool water from single, two, or three family residences. (A swimming pool operated by the permittee shall not be discharged to a separate storm sewer or to surface waters of the state without NPDES permit authorization from the MDEQ.)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix E2, Section 7

23. Provide the reference to the ordinance or regulatory mechanism submitted above that regulates the contribution of pollutants to the applicant's MS4 in the attachment above.

See Appendix E2, Section 12

24. Provide the reference to the ordinance or regulatory mechanism submitted above that prohibits illicit discharges, including illicit connections and the direct dumping or disposal of materials into the applicant's MS4 in the attachment above.

See Appendix E2, Section 7

25. Provide the reference to the ordinance or regulatory mechanism submitted above with the authority established to inspect, investigate, and monitor suspected illicit discharges into the applicant's MS4 in the attachment above.

See Appendix E2, Section 8

26. Provide the reference to the ordinance or regulatory mechanism submitted above that requires and enforces elimination of illicit discharges into the applicant's MS4, including providing the applicant the authority to eliminate the illicit discharge in the attachment above.

See Appendix E2, Section 15

Section 8. Construction Storm Water Runoff Control Program

Proposing to work collaboratively on any or all requirements of the Construction Storm Water Runoff Control Program during the permit cycle?

No

Qualifying Local Soil Erosion and Sedimentation Control Programs

[Click here to access the list of approved Part 91 Agencies](#)

27. Is the applicant a Part 91 Agency?

No

If yes, choose type

NONE PROVIDED

No the applicant relies on the following Qualifying Local Soil Erosion and Sedimentation Control Program (Part 91 Agency)

Wayne County Water Quality Management
Division

Construction Storm Water Runoff Control

Construction Storm Water Runoff Control Program Procedure Attachment - Attachment(s)

[Wayne_Appendix F_Construction_1of1.pdf](#) - 03/31/2016 11:40 AM

Comment: See Appendix F

28. Provide the reference to the procedure submitted above with the process for notifying the Part 91 Agency or appropriate staff when soil or sediment is discharged to the applicant's MS4 from a construction activity, including the notification timeframe. The procedure shall allow for the receipt and consideration of complaints or other information submitted by the public or identified internally as it relates to construction storm water runoff control. For non-Part 91 agencies, consideration of complaints may include referring the complaint to the qualifying local Soil Erosion and Sedimentation Control Program as appropriate. Construction activity is defined pursuant to Part 21, Wastewater Discharge Permits, Rule 323.2102 (K). The applicant may consider as part of their procedure when and under what circumstances the Part 91 Agency or appropriate staff will be contacted.

See Appendix F, Section B

29. Provide the reference to the procedure submitted above with the requirement to notify the MDEQ when soil, sediment, or other pollutants are discharged to the applicant's MS4 from a construction activity, including the notification timeframe. Other pollutants include pesticides, petroleum derivatives, construction chemicals, and solid wastes that may become mobilized when land surfaces are disturbed. The applicant may consider as part of their procedure when and under what circumstances the MDEQ will be contacted.

See Appendix F, Section
D

30. Provide the reference to the procedure submitted above for ensuring that construction activity one acre or greater in total earth disturbance with the potential to discharge to the applicant's MS4 obtains a Part 91 permit, or is conducted by an approved Authorized Public Agency as appropriate. Note: For applicants that conduct site plan review, the procedure must be triggered at the site plan review stage.

See Appendix F, Section B

31. Provide the reference to the procedure submitted above to advise the landowner or recorded easement holder of the property where the construction activity will occur of the State of Michigan Permit by Rule (Rule 323.2190).

See
Appendix F, Section E

Section 9. Post-Construction Storm Water Runoff Program

>>[Click here to access the Low Impact Development Manual for Michigan](#). Chapter 9 of the manual provides a methodology for addressing post-construction storm water runoff.

The MDEQ has the following resources available to assist with development of a Post-Construction Storm Water Runoff Program.

>>[Click here to access the Post-Construction Storm Water Runoff Program Compliance Assistance Document](#)

Post-Construction Storm Water Runoff Program Procedures, Ordinances, and Regulatory Mechanisms - Attachment(s)

[WN - App G PCC.pdf - 07/10/2018 12:11 PM](#)

Comment: See Appendix G

Ordinance or Other Regulatory Mechanism

32. Provide the reference to the in-effect ordinance or regulatory mechanism submitted above to address post-construction storm water runoff from new development and redevelopment projects, including preventing or minimizing water quality impacts. The ordinance or other regulatory mechanism shall apply to private, commercial, and public projects, including projects where the applicant is the developer. This requirement may be met using a single ordinance or regulatory mechanism or a combination of ordinances and regulatory mechanisms. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

The City will begin development of an ordinance and adopt it following completion of the County Standards.

33. Provide the reference to the ordinance or other regulatory mechanism submitted above that applies to projects that disturb at least one or more acres, including projects less than an acre that are part of a larger common plan of development or sale and discharge into the applicant's MS4. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

This will be included in the ordinance that is under development.

Federal Facilities

Federal facilities are subject to the Energy Independence and Security Act of 2007. Section 438 of this legislation establishes post-construction storm water runoff requirements for federal development and redevelopment projects.

34. Is the applicant the owner or operator of a federal facility with a storm water discharge

No| skip to Question
36

35. Provide the reference to the regulatory mechanism submitted above with the requirement to implement the post-construction storm water runoff control requirements in Section 438 of the Energy Independence and Security Act. If not available at this time, provide the date the regulatory mechanism will be available. The United States Environmental Protection Agency (USEPA) has a technical guidance available at the following link.

[USEPA Technical Guidance on Implementing the Stormwater Runoff Requirements](#)

Provide the reference to the regulatory mechanism submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

NONE PROVIDED

Water Quality Treatment Performance Standard

36. Does the ordinance or other regulatory mechanism include one or more of the following water quality treatment standards?

Treat the first one inch of runoff from the entire project site. Provide the ordinance or regulatory mechanism reference in the attachment above (page and paragraph of attachments): e.g., Attachment A, Pages 1-15

NONE
PROVIDED

Treat the runoff generated from 90 percent of all runoff-producing storms for the project site. Provide the ordinance or regulatory mechanism reference in the attachment above (page and paragraph of attachments): e.g., Attachment A, Pages 1-15

This will be included in the ordinance that is under development.

If no, provide the date the ordinance or regulatory mechanism will be submitted.

NONE PROVIDED

37. If the applicant has chosen the water quality treatment standard of requiring treatment of the runoff generated from 90 percent of all runoff-producing storms, what is the source of the rainfall data? The MDEQ memo included in the sources below is available at the following link.

[March 24, 2006 MDEQ memo providing the 90 percent annual non-exceedance storm statistics](#)

Sources

NONE PROVIDED

Other rainfall data source (page and paragraph of attachments)

See Wayne County Storm Water
Management Standards, Chapter 6

38. Provide the reference to the ordinance or regulatory mechanism submitted above with the requirement that BMPs be designed on a site-specific basis to reduce post-development total suspended solids loadings by 80 percent or achieve a discharge concentration of total suspended solids not to exceed 80 milligrams per liter. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

See Wayne County Storm Water Management
Standards, Chapter 6

Channel Protection Performance Standard

39. Provide the reference to the ordinance or regulatory mechanism submitted above with the requirement that the post-construction runoff rate and volume of discharges not exceed the pre-development rate and volume for all storms up to the two-year, 24-hour storm at the project site. At a minimum, pre-development is the last land use prior to the planned new development or redevelopment. If not available at this time, provide the date the ordinance or regulatory mechanism will be available. A MDEQ spreadsheet is available to assist with these calculations at the following link.

[Calculations for Storm Water Runoff Volume Control Spreadsheet](#)

Provide the reference to the ordinance or regulatory mechanism submitted above.

This will be included in the updated Design Standards.

If pursuing an alternative approach, provide the reference to the ordinance or other regulatory mechanism submitted above describing the alternative to meet the minimum requirements, including an explanation as to how the channel protection standard will prevent or minimize water quality impacts.

NONE
PROVIDED

40. The channel protection performance standard is not required for the following waterbodies: the Great Lakes or connecting channels of the Great Lakes; Rouge River downstream of the Turning Basin; Saginaw River; Mona Lake and Muskegon Lake (Muskegon County); and Lake Macatawa and Spring Lake (Ottawa County). If applicable, provide the reference to the ordinance or regulatory mechanism submitted above that excludes any waterbodies from the channel protection performance standard. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

This will be included in the
updated Design Standards.

Site-Specific Requirements

41. Provide the reference to the procedure submitted above for reviewing the use of infiltration BMPs to meet the water quality treatment and channel protection standards for new development or redevelopment projects in areas of soil or groundwater contamination in a manner that does not exacerbate existing conditions. The procedure shall include the process for coordinating with MDEQ staff as appropriate.

This will be included in the updated Design
Standards.

42. Provide the reference to the ordinance or regulatory mechanism submitted above that requires BMPs to address the associated pollutants in potential hot spots as part of meeting the water quality treatment and channel protection standards for new development or redevelopment projects. Hot spots include areas with the potential for significant pollutant loading such as gas stations, commercial vehicle maintenance and repair, auto recyclers, recycling centers, and scrap yards. Hot spots also include areas with the potential for contaminating public water supply intakes. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

See

Wayne County Storm Water Management Standards, Chapter 4

Off-Site Mitigation and Payment in Lieu Programs

43. An applicant may choose to allow for the approval of off-site mitigation for redevelopment projects that cannot meet 100 percent of the performance standards on-site after maximizing storm water retention. Off-site mitigation refers to BMPs implemented at another location within the same jurisdiction and watershed/sewershed as the original project. A watershed is the geographic area included in a 10-digit Hydrologic Unit Code and a sewershed is the area where storm water is conveyed by the applicant's MS4 to a common outfall or point of discharge. If proposing to allow for off-site mitigation, provide the reference to the ordinance or regulatory mechanism submitted above with the off-site mitigation requirements. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

44. An applicant may choose to allow for the approval of payment in lieu for projects that cannot meet 100 percent of the performance standards on-site after maximizing storm water retention. A payment in lieu program refers to a developer paying a fee to the applicant that is applied to a public storm water management project within the same jurisdiction and watershed/sewershed as the original project in lieu of installing the required BMPs onsite. The storm water management project may be either a new BMP or a retrofit to an existing BMP and shall be developed in accordance with the applicant's performance standards. A watershed is the geographic area included in a 10-digit Hydrologic Unit Code and a sewershed is the area where storm water is conveyed by the applicant's MS4 to a common outfall or point of discharge. If proposing to allow for payment in lieu, provide the reference to the ordinance or regulatory mechanism submitted above with the payment in lieu requirements. If not available at this time, provide the date the ordinance or regulatory mechanism will be available. If not pursuing the options available in Questions 43 and 44, skip to Question 52.

NONE PROVIDED

45. Provide the reference the the ordinance or regulatory mechanism submitted above that establishes criteria for determining the conditions under which off-site mitigation and/or payment in lieu are available and require technical justification as to the infeasibility of on-site management. The determination that performance standards cannot be met on-site shall not be based solely on the difficulty or cost of implementing, but shall be based on multiple criteria related to the physical constraints of the project site, such as: too small of a lot outside of the building footprint to create the necessary infiltrative capacity even with amended soils; soil instability as documented by a thorough geotechnical analysis; a site use that is inconsistent with the capture and reuse of storm water; too much shade or other physical conditions that preclude adequate use of plants. The criteria shall also include consideration of the stream order and location within the watershed/sewershed as it relates to the water quality impacts from the original project site (e.g., the water quality impact from a project site with a discharge to a small-sized stream would be greater than a project site on a large river and an offset downstream of the project site may provide less water quality benefit.) The highest preference for off-site mitigation and in lieu projects shall be given to locations that yield benefits to the same receiving water that received runoff from the original project site. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

46. Provide the reference to the ordinance or regulatory mechanism submitted above that establishes a minimum amount of storm water to be managed on-site as a first tier for off-site mitigation or payment in lieu. A higher offset ratio is required if off-site mitigation or payment in lieu is requested for the amount of storm water identified as the first tier. For example, a minimum of 0.4 inches of storm water runoff shall be managed on-site as a first tier. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

47. Provide the reference to the ordinance or regulatory mechanism submitted above that requires an offset ratio of 1:1.5 for the amount of storm water above the first tier (identified in Question 46) not managed on-site to the amount of storm water required to be mitigated at another site or for which in-lieu payments shall be made. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

48. Provide the reference to the ordinance or regulatory mechanism submitted above requiring that if demonstrated by the developer to the applicant that it is completely infeasible to manage the first tier of storm water identified in Question 47 on-site, the offset ratio for the unmanaged portion is 1:2. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

49. Provide the reference to the ordinance or regulatory mechanism submitted above that requires a schedule for completing off-site mitigation and in-lieu projects. Off-site mitigation and in-lieu projects should be completed within 24 months after the start of the original project site construction. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

50. Provide the reference to the ordinance or regulatory mechanism submitted above that requires that offsets and in-lieu projects be preserved and maintained in perpetuity, such as deed restrictions and long-term operation and maintenance. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

NONE PROVIDED

51. Describe the tracking system implemented, or to be implemented, to track off-site mitigation and/or in-lieu projects.

NONE PROVIDED

52. If there are any other exceptions to the performance standards (other than off-site mitigation and payment in lieu) being implemented or to be implemented during the permit cycle, provide the reference to the document submitted above describing the exception(s). The applicant shall demonstrate how the exception provides an equivalent or greater level of protection as the performance standards.

NONE PROVIDED

Site Plan Review

53. Provide the reference to the ordinance or regulatory mechanism submitted above that includes a requirement to submit a site plan for review and approval of post-construction storm water runoff BMPs. If not available at this time, provide the date the ordinance or regulatory mechanism will be available.

See Appendix G

54. Provide the reference to the procedure submitted above for site plan review and approval. If not available at this time, provide the date the procedure will be available.

See Appendix G

55. Provide the reference to the site plan review and approval procedure submitted above describing the process for determining how the developer meets the performance standards and ensures long-term operation and maintenance of BMPs in the attachment above. If not available at this time, provide the date the procedure will be available.

See Appendix G

Long-Term Operation and Maintenance of BMPs

56. Provide the reference to the ordinance or regulatory mechanism submitted above that requires the long-term operation and maintenance of all structural and vegetative BMPs installed and implemented to meet the performance standards in perpetuity. If not available at this time, provide the date the procedure will be available.

See Appendix G

57. Provide the reference to the ordinance or regulatory mechanism submitted above that requires a maintenance agreement between the applicant and owners or operators responsible for the long-term operation and maintenance of structural and vegetative BMPs installed and implemented to meet the performance standards. If not available at this time, provide the date the procedure will be available.

See Appendix G

58. Does the maintenance agreement or other legal mechanism allow the applicant to complete the following? (Check if yes)

NONE PROVIDED

If any of the boxes above were not checked, provide a response explaining how the maintenance agreement or other legal mechanism allows the applicant to verify and ensure maintenance of the BMP.

See Wayne County
Storm Water Management Standards, Chapter 9

59. Provide the reference to the procedure submitted above for tracking compliance with a maintenance agreement or other legal mechanism to ensure the performance standards are met in perpetuity in the attachment above.

See Wayne
County Storm Water Management Standards, Chapter 9

Section 10. Pollution Prevention and Good Housekeeping Program

Pollution Prevention and Good Housekeeping Program Procedures - Attachment(s)

[Wayne_App.H2.P2GH_SpillResponse.pdf - 07/10/2018 12:18 PM](#)

[Wayne_App.H1.P2GH_General.pdf - 10/15/2018 02:41 PM](#)

Comment: See Appendix H

Municipal Facility and Structural Storm Water Control Inventory

60. Provide the reference to the up-to-date inventory submitted above identifying applicant-owned or operated facilities and storm water structural controls with a discharge of storm water to surface waters of the state. The inventory shall include the location of each facility. Provide an estimate of the number of structural storm water controls throughout the entire MS4 for each applicable category below (e.g., 100 catch basins and 7 detention basins). For example, Attachment A, Page 3, Section B.

See Appendix H1, Section D, Table 1

Facilities that may have the high potential to discharge pollutants:

Equipment storage and maintenance
facilities
Fleet maintenance facilities
Materials storage and Public Works
yards
Outdoor wash areas
Salt storage facilities

Check all applicant-owned or operated facilities with a discharge of storm water to surface waters of the state:

Administration buildings and libraries
Animal Control
Building
Cemeteries
Fire Stations
Parks
Public parking lots

Vacant land and open space
Vehicle storage

Check all applicant-owned or operated structural storm water controls with a discharge of storm water to surface waters of the state:

Catch basins
Detention basins
Vegetated swales
Other structural storm
water controls – Provide a description below:
Other
Other
Swirl
concentrator

61. Provide the location where an up-to-date map (or maps) is available with the location of the facilities and structural storm water controls identified in Question 60. The location of the facilities and structural storm water controls may be included on the storm sewer system map maintained for the IDEP. The map (or maps) is available at the following location: (e.g., The Department of Public Works office)

DPW Facility, 4001 S. Wayne Rd., Wayne

62. Provide the reference to the procedure submitted above for updating and revising the inventory in Question 60 and map (or maps) identified in Question 61 as facilities and structural storm water controls are added, removed, or no longer owned or operated by the applicant in the attachment above. A suggested timeframe for updating/revising the inventory and map(s) is 30 days following adding/removing a facility or structural storm water control.

Appendix H1, Section C

Facility-Specific Storm Water Management

63. Provide the reference to the procedure submitted above for assessing each facility identified in Question 60 for the potential to discharge pollutants to surface waters of the state. The procedure shall include a process for updating and revising the assessment. A recommended timeframe for updating/revising the assessment is 30 days prior to discharging storm water from a new facility and within 30 days of determining a need to update/revise the facility assessment. The applicant should consider the following factors when assessing each facility: • Amount of urban pollutants stored at the site (e.g., sediment, nutrients, metals, hydrocarbons, pesticides, fertilizers, herbicides, chlorides, trash, bacteria, or other site-specific pollutants) • Identification of improperly stored materials • The potential for polluting activities to be conducted outside (e.g., vehicle washing) • Proximity to waterbodies • Poor housekeeping practices • Discharge of pollutants of concern to impaired waters If the applicant does not own a facility that discharges storm water to surface waters of the state in the urbanized area, skip to Question 71.

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix H1, Section B &
C

If not applicable

NONE PROVIDED

64. Provide the reference to the list of prioritized facilities submitted above using the assessment in Question 63. Each facility shall be prioritized based on having the high, medium, or low potential to discharge pollutants to surface waters of the state. Facilities with the high potential for pollutant runoff shall include, but are not limited to, the applicant's fleet maintenance and storage yards. The applicant may choose to demonstrate how a fleet maintenance/storage yard has the low potential to discharge pollutants to surface waters of the state. If demonstrating a low potential, provide the reference to the demonstration submitted above for the fleet maintenance and/or storage yard.

See Appendix H1, Section D

65. Is a site-specific standard operating procedure (SOP) available identifying the structural and non-structural storm water controls implemented and maintained to prevent or reduce pollutant runoff at each facility with the high potential for pollutant runoff? The SOP shall be available at each facility with the high potential for pollutant runoff and upon request from the MDEQ. The SOP shall identify the person responsible for oversight of the facility. The MDEQ may request the submission of the SOP during the application review process.

Yes| a site-specific SOP is available at each facility with the high potential
for pollutant runoff

66. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the following: the list of significant materials stored on-site that could pollute storm water; the description of the handling and storage requirements for each significant material; and the potential to discharge the significant material. (SOP Reference Example: DPW Yard SOP – Section 2)

See Appendix H1, Section
E

67. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, identifying the good housekeeping practices implemented at the site. Good housekeeping practices include keeping the facility neat and orderly, properly storing and covering materials, and minimizing pollutant sources to prevent or reduce pollutant runoff. (SOP Reference Example: DPW Yard SOP – Section 2)

See Appendix H1, Sections J through N

68. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the description and schedule for conducting routine maintenance and inspections of storm water management and control devices to ensure materials and equipment are clean and orderly and to prevent or reduce pollutant runoff. A biweekly schedule is recommended for routine inspections. (SOP Reference Example: DPW Yard SOP – Section 2)

See Appendix H1, Section
P.1

69. Provide the reference in the SOP, for each facility with the high potential for pollutant runoff, to the description and schedule for conducting a comprehensive site inspection at least once every six months. The comprehensive inspection shall include an inspection of all structural storm water controls and a review of non-structural storm water controls to prevent or reduce pollutant runoff. (SOP Reference Example: DPW Yard SOP – Section 2)

See Appendix H1, Section
P.2

70. Provide the reference to the procedure submitted above identifying the BMPs currently implemented or to be implemented during the permit cycle to prevent or reduce pollutant runoff at each facility with the medium and lower potential for the discharge of pollutants to surface waters of the state using the assessment and prioritized list in Questions 63 and 64.

See Appendix H1,
Section H-O

Structural Storm Water Control Operation and Maintenance Activities

71. Provide the reference to the procedure submitted above for prioritizing each catch basin for routine inspection, maintenance, and cleaning based on preventing or reducing pollutant runoff. The procedure shall include assigning a priority level for each catch basin and the associated inspection, maintenance and cleaning schedule based on preventing or reducing pollutant runoff. The procedure shall include a process for updating/revising the priority level for a catch basin giving consideration to inspection findings and citizen complaints. A recommended timeframe for updating/revising the procedure is 30 days following the construction of a catch basin or a change in priority level. If the applicant does not own or operate catch basins skip to Question 75.

See Appendix H1,
Section F & G

72. Provide the reference to the narrative description or map submitted above with the geographic location of the catch basins in each priority level.

See
Appendix H1, Section G

73. Provide the reference to the procedure submitted above for inspecting, cleaning, and maintaining catch basins to ensure proper performance. Proper cleaning methods include ensuring accumulated pollutants are not discharged during cleaning and are removed prior to discharging to surface waters of the state. An MDEQ Catch Basin Cleaning Activities guidance document is available at the following link.

[Catch Basin Cleaning Activities Guidance Document](#)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix H1, Section H

74. Provide the reference to the procedure submitted above for dewatering, storage, and disposal of materials extracted from catch basins. An MDEQ Catch Basin Cleaning Activities guidance document is available at the following link.

[Catch Basin Cleaning Activities Guidance Document](#)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix H1, Section J

75. If the applicant owns or operates structural storm water controls identified in Question 60, excluding the structural storm water controls included in an SOP as part of Question 65 and catch basins, provide the reference to the procedure submitted above for inspecting and maintaining the structural storm water controls. The procedure shall include a description and schedule for inspecting and maintaining each structural storm water control and the process for disposing of maintenance waste materials. The procedure shall require that controls be maintained to reduce to the maximum extent practicable the contribution of pollutants to storm water. The procedure shall include a process for updating/revising the procedure to ensure a maintenance and inspection program for each structural storm water control. A recommended timeframe for updating/revising the procedure is 30 days following the implementation of a new structural storm water control.

See Appendix H1, Section J & O

76. Provide the reference to the procedure submitted above requiring new applicant-owned or operated facilities or new structural storm water controls for water quantity be designed and implemented in accordance with the post-construction storm water runoff control performance standards and long-term operation and maintenance requirements.

See Appendix H1, Section Q

Municipal Operations and Maintenance Activities

77. Provide the reference to the procedure(s) submitted above with the assessment of the following operation and maintenance activities, if applicable, for the potential to discharge pollutants to surface waters of the state. The assessment shall identify all pollutants that could be discharged from each applicable operation and maintenance activity and the BMPs being implemented or to be implemented to prevent or reduce pollutant runoff. The procedure shall include a process for updating and revising the assessment. A suggested timeframe for updating/revising the assessment is 30 days following adding/removing BMPs to address new and existing operation and maintenance activities.

At a minimum, the procedure shall include assessing the following municipal operation and maintenance activities if applicable (check all that apply):

Road| parking lot| and sidewalk maintenance (e.g.| pothole| sidewalk| and curb and gutter repair)
 Right-of-way maintenance
 Unpaved road maintenance
 Cold weather operations (e.g.| plowing| sanding| application of deicing agents| and snow pile disposal)
 Vehicle washing and maintenance of applicant-owned vehicles (e.g.| police| fire| school bus| public works)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix H1, Section H-N

78. Provide the reference to the procedure submitted above for prioritizing applicant-owned or operated streets, parking lots, and other impervious infrastructure for street sweeping based on the potential to discharge pollutants to surface waters of the state. The procedure shall include assigning a priority level for each parking lot and street and the associated cleaning schedule (i.e., sweeping frequency and timing) based on preventing or reducing pollutant runoff. The procedure shall include a process for updating/revising the priority level giving consideration to street sweeping findings and citizen complaints. A recommended timeframe for updating/revising the prioritization is 30 days following the construction of a new street, parking lot, or other applicant-owned or operated impervious surface or within 30 days of identifying a need to revise a priority level. If the applicant does not own or operate any streets, parking lots, or other impervious infrastructure, skip to Question 82.

See Appendix
 H1, Section F

79. Provide the reference to the narrative description or map submitted above with the geographic location of the streets, parking lots, and other impervious surfaces in each priority level.

See Appendix H1, Section G

80. Provide the reference to the procedure submitted above identifying the sweeping methods based on the applicant's sweeping equipment and use of additional resources in sweeping seasonal leaves or pick-up of other materials. Proper sweeping methods include operating sweeping equipment according to the manufacturers' operating instructions and to protect water quality.

See
 Appendix H1, Section I

81. Provide the reference to the procedure submitted above for dewatering, storage, and disposal of street sweeper waste material. An MDEQ Catch Basin Cleaning Activities guidance document is available at the following link and includes information on street sweeping requirements.

[Catch Basin Cleaning Activities Guidance Document](#)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix H1, Section J

Managing Vegetated Properties

82. If the applicant's pesticide applicator does not exclusively use ready-to-use products from the original container, provide the reference to the procedure submitted above requiring the applicant's pesticide applicator to be certified by the State of Michigan as an applicator in the applicable category, to prevent or reduce pollutant runoff from vegetated land. A description of the certified applicator categories is available at the following link. If the applicant only applies ready-to-use products from the original container, enter "Not Applicable."

[Commercial Pesticide Application Certification Categories](#)

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

See Appendix H1, Section R

Contractor Requirements and Oversight

83. Provide the reference to the procedure submitted above requiring contractors hired by the applicant to perform municipal operation and maintenance activities comply with all pollution prevention and good housekeeping BMPs as appropriate. The procedure shall include the process implemented for providing oversight of contractor activities to ensure compliance.

See Appendix H1, Section
T

Employee Training

84. Provide the reference to the employee training program submitted above to train employees involved in implementing or overseeing the pollution prevention and good housekeeping program. The program shall include the training schedule. At a minimum, existing staff shall be trained once during the permit cycle and within the first year of hire for new staff.

See Appendix H1, Section
S

Section 11. Total Maximum Daily Load Implementation Plan

The USEPA has a document to assist with developing a TMDL Implementation Plan available at the following link.

[Understanding Impaired Waters and Total Maximum Daily Load \(TMDL\) Requirements for Municipal Stormwater Programs](#)

Total Maximum Daily Load Implementation Plan - Attachment(s)

[App I Draft Collaborative TMDL 05 2018.pdf - 07/10/2018 12:28 PM](#)

Comment: See Appendix I

Proposing to work collaboratively on any or all activities in the TMDL Implementation Plan during the permit cycle.

Yes

85. If a TMDL(s) was included in the applicant's application notice, provide the name(s) below. If no TMDL was identified, skip to the next section.

Rouge River Watershed (Biota, E.
coli)

86. Provide the reference to the procedure submitted above describing the process for identifying and prioritizing BMPs currently being implemented or to be implemented during the permit cycle to make progress toward achieving the pollutant load reduction requirement in each TMDL identified in Question 85. The procedure shall include a process for reviewing, updating, and revising BMPs implemented or to be implemented to ensure progress in achieving the TMDL pollutant load reduction.

See Appendix I

87. Provide the reference to the TMDL BMP Priority List submitted above with prioritized BMPs currently being implemented or to be implemented during the permit cycle to make progress toward achieving the pollutant load reduction requirement in each TMDL identified in Question 85. Each BMP shall include a reference to the targeted TMDL pollutant.

See Appendix I

88. Provide the reference to the TMDL Monitoring Plan submitted above for assessing the effectiveness of the BMPs currently being implemented, or to be implemented, in making progress toward achieving the TMDL pollutant load reduction requirement, including a schedule for completing the monitoring. Monitoring shall be specifically for the pollutant identified in the TMDL. Monitoring may include, but is not limited to, outfall monitoring, in-stream monitoring, or modeling. At a minimum, monitoring shall be conducted two times during the permit cycle or at a frequency sufficient to determine if the BMPs are adequate in making progress toward achieving the TMDL pollutant load reduction. Existing monitoring data may be submitted for review as part of the plan to meet part of the monitoring requirement.

See Appendix I

Section 12. Phase I only – Industrial Facility Inspection Program

Industrial Facility Inspection Program Procedures - Attachment(s)

NONE

PROVIDED

Comment: NONE PROVIDED

89. Provide the reference to the procedure submitted above describing the process for identifying existing industrial facilities, as defined below, within the applicant's jurisdiction that discharge stormwater to the applicant's MS4. Industrial facilities include, but are not limited to, the following: • Industrial facilities that the applicant determines are contributing a substantial pollutant loading to the MS4 • Industrial facilities subject to the Superfund Amendments and Reauthorization Act (SARA) • Hazardous waste treatment, disposal, storage, and recovery facilities

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

NONE PROVIDED

90. Provide the reference to the inventory of industrial facilities submitted above using the procedure in Question No. 89.

NONE PROVIDED

91. Provide the reference to the procedure submitted above for prioritizing the industrial facilities identified in Question No. 90 for inspection. Each industrial facility shall be evaluated and prioritized based on having a high, medium or low potential to discharge pollutants to the applicant's MS4. The procedure shall include a process for updating and revising the prioritization, including modifying the priority level based on contribution of significant pollutant loading to the MS4, inspection findings, and the potential to discharge pollutants. The applicant should consider the following factors when prioritizing an industrial facility: • Pollutant sources stored on site • Pollutants of concern • Proximity to impaired surface waters of the state • The applicant's violation or complaint history with the facility

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

NONE PROVIDED

92. Provide the reference to the list of the prioritized industrial facilities for inspection submitted above.

NONE PROVIDED

93. Provide the reference to the procedure submitted above for inspecting industrial facilities based on the prioritized list in Question No. 92 to evaluate pollutant source controls. The number or percentage of facilities to be inspected (e.g., 20% annually) or the inspection frequency for the different priority levels (e.g., high priority facilities inspected annually) shall be identified with the highest priority facilities receiving more frequent inspections. The procedure shall include a process for inspecting facilities based on complaints concerning pollutants discharged to the applicant's MS4. At a minimum, inspections shall include an evaluation of BMPs implemented and maintained to control pollutant sources at the industrial facility and for evidence of unauthorized discharges, illicit connections, and potential discharges of pollutants to the applicant's MS4. The procedure shall include notifying the applicable Water Resources Division District Office if an industrial facility appears to be in violation of the NPDES industrial stormwater program.

Provide the reference to the procedure submitted above (page and paragraph of attachments): e.g., Attachment A, Section b.

NONE PROVIDED

94. Provide the reference to the employee training program submitted above to train employees whose primary job duties are to implement the industrial facility inspection program. The program shall include the training schedule. At a minimum, existing staff shall be trained once during the permit cycle and new hires within the first year of their hire date. The training shall cover facility inspection procedures.

[Click here to access the State of Michigan Industrial Stormwater program page](#)

Provide the reference to the program submitted above (page and paragraph of attachments): e.g., Attachment A, Page 3, Section b.

NONE PROVIDED

Section 13. Certify and Submit

Comments (As needed)

NONE PROVIDED

Additional Documents (As needed) - Attachment(s)

NONE

PROVIDED

Comment: NONE PROVIDED

Attachments

| Date | Attachment Name | Context | |
|---------------------|--|--|--------------------------|
| 03/31/2016 11:40 AM | Wayne_Appendix F_Construction_1of1.pdf | v3 - Section 8. Construction Storm Water Runoff Control Program | <input type="checkbox"/> |
| 07/10/2018 12:11 PM | WN - App G PCC.pdf | v3 - Section 9. Post-Construction Storm Water Runoff Program | <input type="checkbox"/> |
| 07/10/2018 11:41 AM | App D Final ARC Collaborative PEP 03-21-17.pdf | v3 - Section 6. Public Education Program | <input type="checkbox"/> |
| 07/10/2018 11:42 AM | App E Final Collaborative IDEP 09 25 2017.pdf | v3 - Section 7. Illicit Discharge Elimination Program | <input type="checkbox"/> |
| 07/10/2018 11:42 AM | WN App E2 IDEP Ord.pdf | v3 - Section 7. Illicit Discharge Elimination Program | <input type="checkbox"/> |
| 07/10/2018 11:41 AM | App C Final PPP 02-27-17.pdf | v3 - Section 5: General SWMP, Enforcement Response Procedure, and Public Participation/Involvement Program | <input type="checkbox"/> |
| 07/10/2018 11:41 AM | WN - App B ERP.pdf | v3 - Section 5: General SWMP, Enforcement Response Procedure, and Public Participation/Involvement Program | <input type="checkbox"/> |
| 10/15/2018 02:41 PM | Wayne_App.H1.P2GH_General.pdf | v3 - Section 10. Pollution Prevention and Good Housekeeping Program | <input type="checkbox"/> |
| 07/10/2018 12:18 PM | Wayne_App.H2.P2GH_SpillResponse.pdf | v3 - Section 10. Pollution Prevention and Good Housekeeping Program | <input type="checkbox"/> |
| 10/15/2018 02:40 PM | WN App A 2of2.pdf | v3 - Section 4: Regulated Area, Outfalls/Points of Discharge, and Nested Jurisdictions | <input type="checkbox"/> |
| 03/31/2016 11:35 AM | Wayne_Appendix A_1of2.pdf | v3 - Section 4: Regulated Area, Outfalls/Points of Discharge, and Nested Jurisdictions | <input type="checkbox"/> |

| Date | Attachment Name | Context | |
|---------------------|--|---|--------------------------|
| 07/10/2018 12:28 PM | App I Draft Collaborative TMDL 05 2018.pdf | v3 - Section 11. Total Maximum Daily Load Implementation Plan | <input type="checkbox"/> |

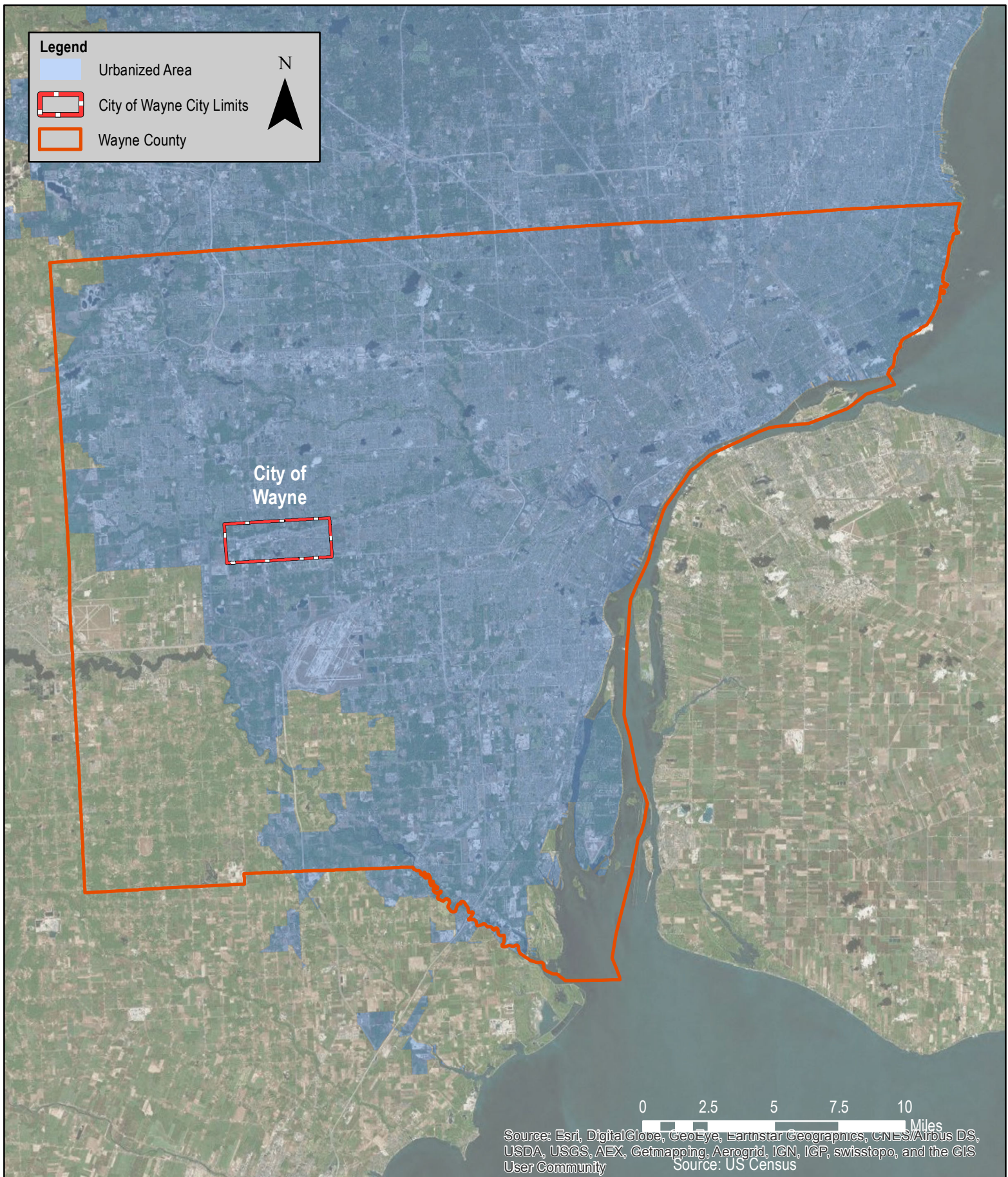
Status History

| Date | User | Processing Status |
|------------------------|----------------|-------------------|
| 10/15/2018 2:38:51 PM | Meghan Price | Draft |
| 10/19/2018 11:24:03 AM | Michael Buiten | Submitted |

Processing Steps

| Step Name | Assigned To/Completed By | Date Completed |
|----------------|--------------------------|---------------------|
| Form Submitted | Michael Buiten | 10/19/2018 11:24 AM |

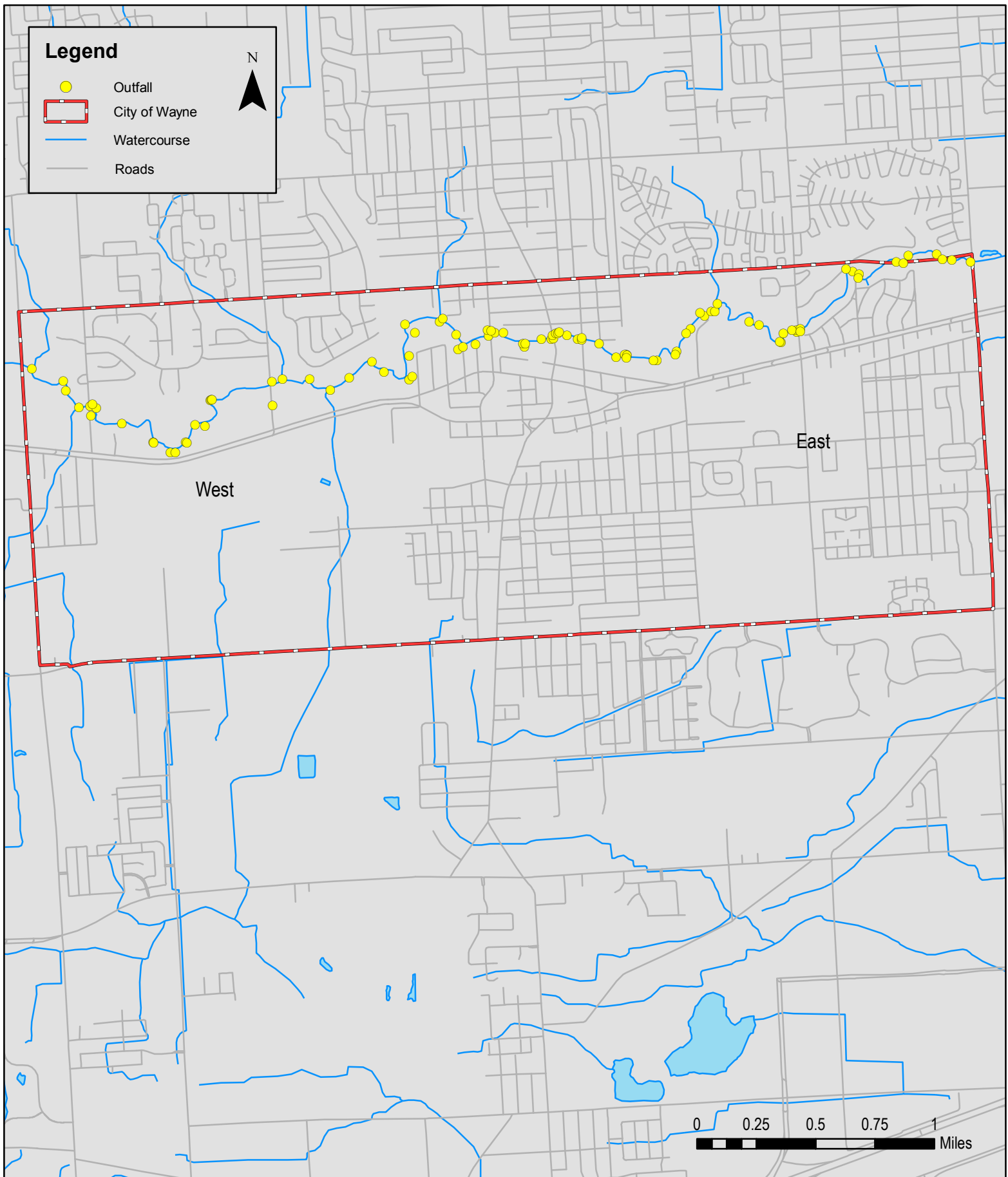
APPENDIX A
Outfall and Point of Discharge Information



City of Wayne - Urbanized Area

Detroit Area Cluster

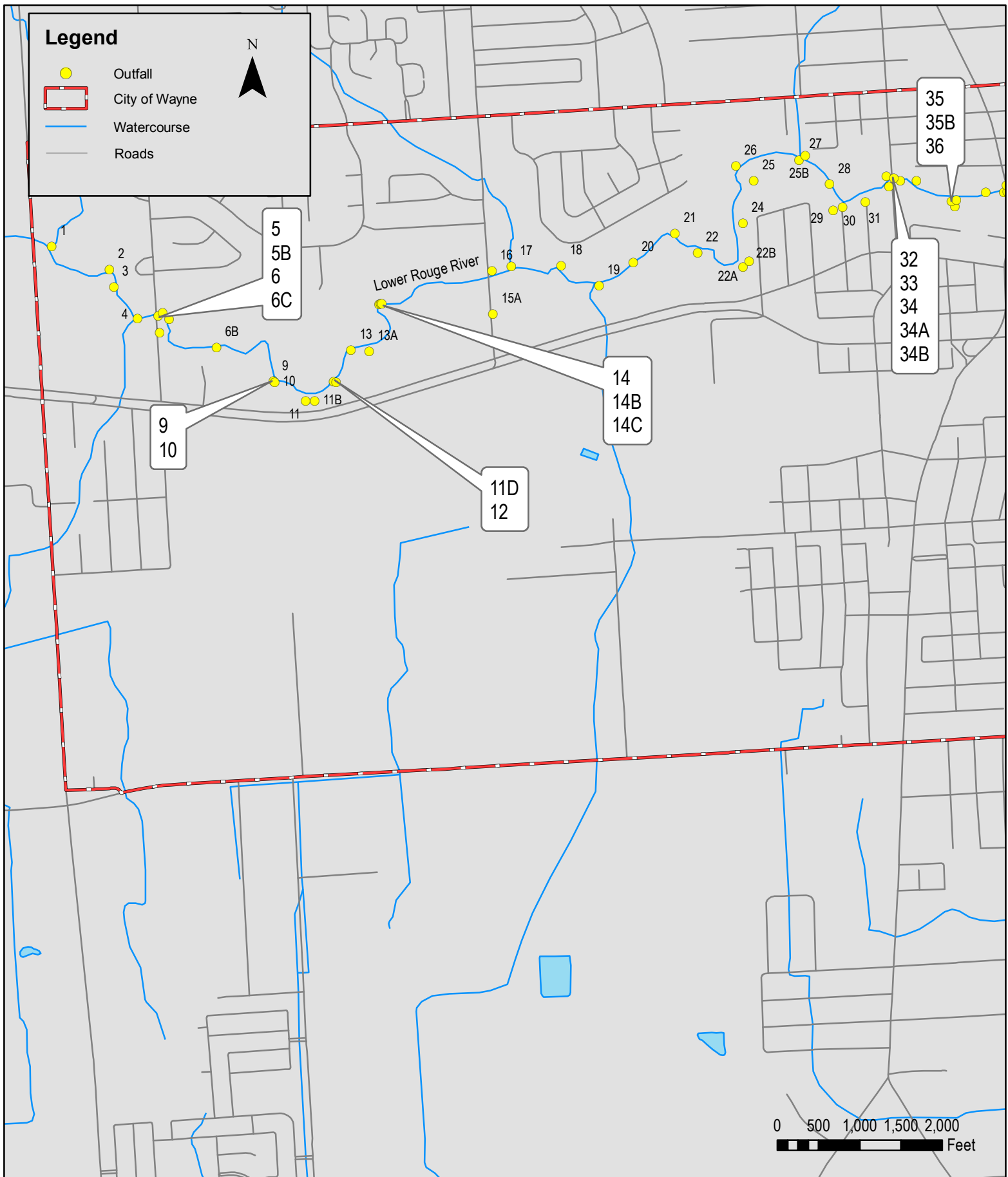
Alliance of Rouge Communities



City of Wayne Outfall Location Map Key

Wayne County, Michigan

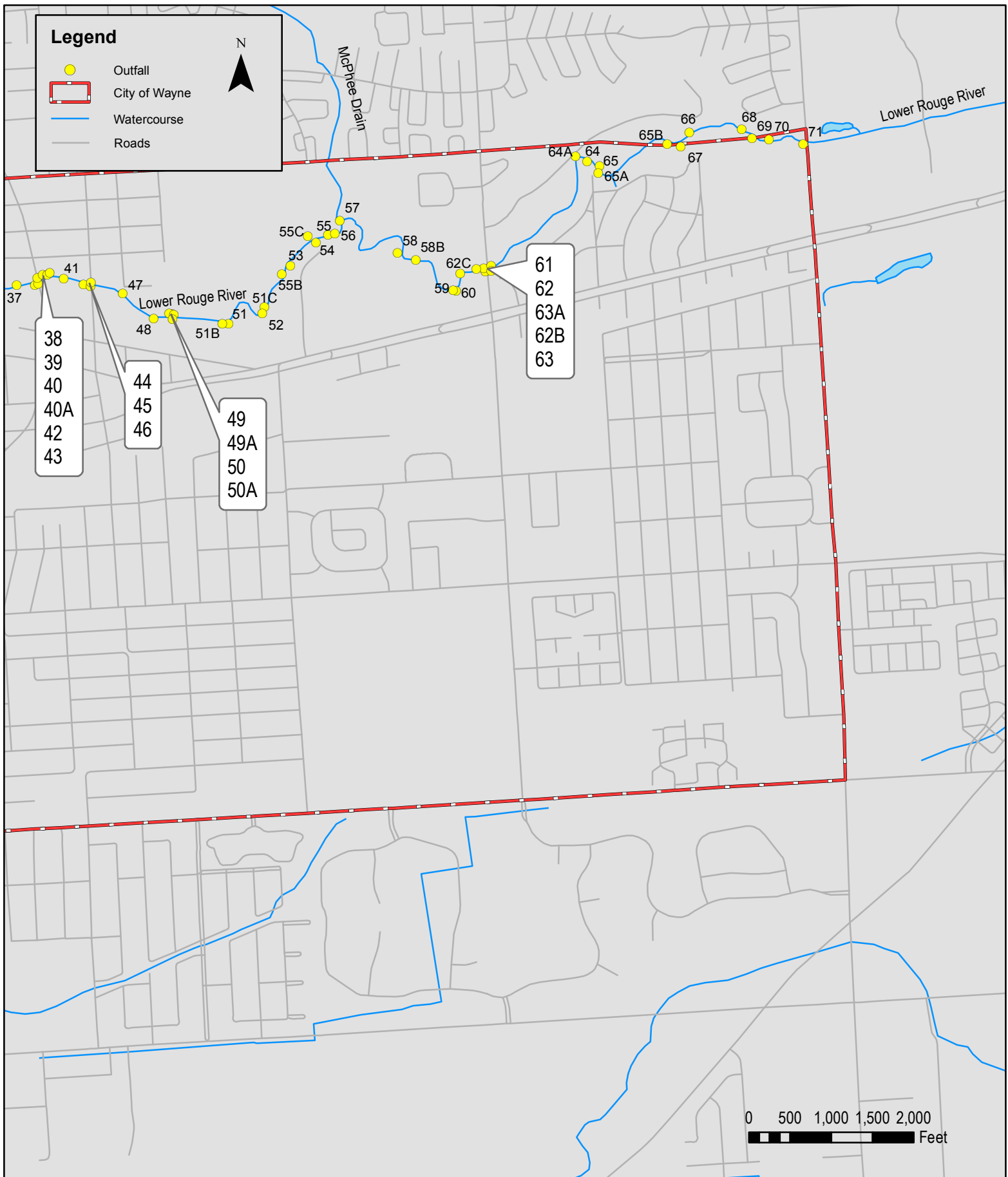




City of Wayne Outfall Location Map West

Wayne County, Michigan





City of Wayne Outfall Location Map East

Wayne County, Michigan



City of Wayne Outfall List

| Outfall ID | Type | Receiving Water |
|------------|---------|-------------------|
| 1 | Outfall | Lower Rouge River |
| 2 | Outfall | Lower Rouge River |
| 3 | Outfall | Lower Rouge River |
| 4 | Outfall | Lower Rouge River |
| 5 | Outfall | Lower Rouge River |
| 5B | Outfall | Lower Rouge River |
| 6 | Outfall | Lower Rouge River |
| 6B | Outfall | Lower Rouge River |
| 6C | Outfall | Lower Rouge River |
| 9 | Outfall | Lower Rouge River |
| 10 | Outfall | Lower Rouge River |
| 11 | Outfall | Lower Rouge River |
| 11B | Outfall | Lower Rouge River |
| 12 | Outfall | Lower Rouge River |
| 11D | Outfall | Lower Rouge River |
| 13 | Outfall | Lower Rouge River |
| 13A | Outfall | Lower Rouge River |
| 14 | Outfall | Lower Rouge River |
| 14B | Outfall | Lower Rouge River |
| 14C | Outfall | Lower Rouge River |
| 15A | Outfall | Lower Rouge River |
| 16 | Outfall | Lower Rouge River |
| 17 | Outfall | Lower Rouge River |
| 18 | Outfall | Lower Rouge River |
| 19 | Outfall | Lower Rouge River |
| 20 | Outfall | Lower Rouge River |
| 21 | Outfall | Lower Rouge River |
| 22 | Outfall | Lower Rouge River |
| 22A | Outfall | Lower Rouge River |
| 22B | Outfall | Lower Rouge River |
| 24 | Outfall | Lower Rouge River |
| 25 | Outfall | Lower Rouge River |

| Outfall ID | Type | Receiving Water |
|------------|---------|-------------------|
| 25B | Outfall | Lower Rouge River |
| 26 | Outfall | Lower Rouge River |
| 27 | Outfall | Lower Rouge River |
| 28 | Outfall | Lower Rouge River |
| 29 | Outfall | Lower Rouge River |
| 30 | Outfall | Lower Rouge River |
| 31 | Outfall | Lower Rouge River |
| 32 | Outfall | Lower Rouge River |
| 33 | Outfall | Lower Rouge River |
| 34A | Outfall | Lower Rouge River |
| 34 | Outfall | Lower Rouge River |
| 34B | Outfall | Lower Rouge River |
| 35 | Outfall | Lower Rouge River |
| 35B | Outfall | Lower Rouge River |
| 36 | Outfall | Lower Rouge River |
| 37 | Outfall | Lower Rouge River |
| 38 | Outfall | Lower Rouge River |
| 39 | Outfall | Lower Rouge River |
| 40 | Outfall | Lower Rouge River |
| 40A | Outfall | Lower Rouge River |
| 41 | Outfall | Lower Rouge River |
| 42 | Outfall | Lower Rouge River |
| 43 | Outfall | Lower Rouge River |
| 44 | Outfall | Lower Rouge River |
| 45 | Outfall | Lower Rouge River |
| 46 | Outfall | Lower Rouge River |
| 47 | Outfall | Lower Rouge River |
| 48 | Outfall | Lower Rouge River |
| 49 | Outfall | Lower Rouge River |
| 49A | Outfall | Lower Rouge River |
| 50 | Outfall | Lower Rouge River |
| 50A | Outfall | Lower Rouge River |

| Outfall ID | Type | Receiving Water |
|------------|---------|-------------------|
| 51 | Outfall | Lower Rouge River |
| 51B | Outfall | Lower Rouge River |
| 51C | Outfall | Lower Rouge River |
| 52 | Outfall | Lower Rouge River |
| 53 | Outfall | Lower Rouge River |
| 55B | Outfall | Lower Rouge River |
| 54 | Outfall | Lower Rouge River |
| 55 | Outfall | Lower Rouge River |
| 55C | Outfall | Lower Rouge River |
| 56 | Outfall | Lower Rouge River |
| 57 | Outfall | Lower Rouge River |
| 58 | Outfall | Lower Rouge River |
| 58B | Outfall | Lower Rouge River |
| 60 | Outfall | Lower Rouge River |
| 59 | Outfall | Lower Rouge River |
| 61 | Outfall | Lower Rouge River |
| 62 | Outfall | Lower Rouge River |
| 63A | Outfall | Lower Rouge River |
| 62B | Outfall | Lower Rouge River |
| 62C | Outfall | Lower Rouge River |
| 63 | Outfall | Lower Rouge River |
| 64 | Outfall | Lower Rouge River |
| 64A | Outfall | Lower Rouge River |
| 65A | Outfall | Lower Rouge River |
| 65 | Outfall | Lower Rouge River |
| 65B | Outfall | Lower Rouge River |
| 66 | Outfall | Lower Rouge River |
| 67 | Outfall | Lower Rouge River |
| 68 | Outfall | Lower Rouge River |
| 69 | Outfall | Lower Rouge River |
| 70 | Outfall | Lower Rouge River |
| 71 | Outfall | Lower Rouge River |

APPENDIX B
Enforcement Response Procedure

APPENDIX B

STANDARD OPERATING PROCEDURE

ENFORCEMENT RESPONSE

PREPARED FOR:

THE CITY OF WAYNE
4001 S WAYNE ROAD, WAYNE, MICHIGAN 48184



REVISED: JUNE 2016

SECTION A – PURPOSE

The MDEQ NPDES Phase II Stormwater Discharge Permit Application requires a procedure for Enforcement Response to address violations of the ordinances or regulatory mechanism identified in the Stormwater Management Plan.

SECTION B – GENERAL PENALTY

Section 202.99 of Chapter 202 Codified Ordinances of the Wayne Code of Ordinances defines the penalties levied by the City for ordinance violations. The section specifically defines penalties for misdemeanors or civil infractions and continuing violations.

B.1 Section 202.99a&d – General code penalty; complicity; civil infractions

(a) *“General Penalty. Except when specifically designated as a civil infraction or a Municipal civil infraction, whenever, in these Codified Ordinances, or in any technical or other code adopted by reference in these Codified Ordinances, or in any rule, regulation or order promulgated or made under authority of any provision of these Codified Ordinances, or under authority of any technical or other code adopted by reference in these Codified Ordinances, or under authority of State law, an act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or whenever the doing of any act is required or the failure to do any act is declared to be unlawful, where no specific penalty is otherwise provided, whoever violates or fails to comply with any such provision shall be fined not more than five hundred dollars (\$500.00), including costs of prosecution, or imprisoned not more than ninety days, or both, for each offense. The court shall also have the power to place the person convicted on probation as permitted by State law, specifically, but not limited to, the terms set forth in M.C.L.A. 771.2 and 771.3. A separate offense shall be deemed committed each day during or on which a violation or noncompliance occurs or continues, unless otherwise provided.”*

(d) *“Civil Infraction. A person who, after having been found responsible for a civil infraction and having been assessed a fine, does not timely pay the fine, may be held in civil contempt of court according to the terms set forth in M.C.L.A. 600.8729. A separate offense shall be deemed committed each day during or on which a violation or noncompliance occurs or continues, unless otherwise provided.”*

SECTION C – IDEP ENFORCEMENT RESPONSE PROCEDURE

The enforcement response procedure related to IDEP enforcement can be found in Section E of the River Rouge Collaborative Illicit Discharge and Elimination Plan. As part of this enforcement procedure, Section 202.99 of the City of Wayne Code of Ordinances will be used as an enforcement mechanism to extent necessary to ensure corrective action of an illicit discharge by the responsible party.

SECTION D – POST CONSTRUCTION STORMWATER RUNOFF CONTROL ENFORCEMENT RESPONSE PROCEDURE

The enforcement response procedure related to the site plan approval application process, implementation of the approved site plan, long-term maintenance, and the enforcement thereof, can be found in Post Construction Stormwater Runoff Control Standard Operating Procedure. As part of this enforcement procedure, the City will proceed with violations and penalties stated in Section 202.99 of the City's Code of Ordinances.

SECTION E – ENFORCEMENT TRACKING

City will track all violations and issued permits. The following information will be collected and used for tracking records for each violation that is imposed by the City.

1. Name
2. Date
3. Location of the Violation (address, cross streets, etc.)
4. Business, Agency, Organization as applicable
5. Description of the Violation
6. Applicable Correspondence
7. Follow-up Actions
8. Key Dates
9. Descriptions of the City's Enforcement Response
10. Schedules for Achieving Compliance
11. Date the Violation was Resolved

SECTION F – PROCESS FOR REVISION

Any questions on this policy and procedure should be directed to the Stormwater Manager or the City Manager. This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

Wayne, Michigan Code of Ordinances

202.99 GENERAL CODE PENALTY; COMPLICITY; CIVIL INFRACTIONS.

(a) General Penalty. Except when specifically designated as a civil infraction or a Municipal civil infraction, whenever, in these Codified Ordinances, or in any technical or other code adopted by reference in these Codified Ordinances, or in any rule, regulation or order promulgated or made under authority of any provision of these Codified Ordinances, or under authority of any technical or other code adopted by reference in these Codified Ordinances, or under authority of State law, an act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or whenever the doing of any act is required or the failure to do any act is declared to be unlawful, where no specific penalty is otherwise provided, whoever violates or fails to comply with any such provision shall be fined not more than five hundred dollars (\$500.00), including costs of prosecution, or imprisoned not more than ninety days, or both, for each offense. The court shall also have the power to place the person convicted on probation as permitted by State law, specifically, but not limited to, the terms set forth in M.C.L.A. 771.2 and 771.3. A separate offense shall be deemed committed each day during or on which a violation or noncompliance occurs or continues, unless otherwise provided.

(b) Surcharges; Equitable Remedies. The imposition of any penalty provided for in this section shall be in addition to any surcharge levied for a violation of or noncompliance with a provision of these Codified Ordinances, or a provision of a technical or other code adopted by reference in these Codified Ordinances, or a rule, regulation or order promulgated or made under authority of either, or under authority of State law, and shall be in addition to any equitable remedy provided by a provision of these Codified Ordinances, or a provision of a technical or other code adopted by reference in these Codified Ordinances, or a rule, regulation or order promulgated or made under authority of either, or provided by State law, or a rule, regulation or order promulgated or made under authority of State law, including the enforced removal of prohibited conditions.

(c) Complicity. Every person concerned in the commission of an offense under these Codified Ordinances, whether he or she directly commits the act constituting the offense or procures, counsels, aids or abets in its commission, may be prosecuted, indicted, tried and on conviction shall be punished as if he or she had directly committed such offense.

(d) Civil Infraction. A person who, after having been found responsible for a civil infraction and having been assessed a fine, does not timely pay the fine, may be held in civil contempt of court according to the terms set forth in M.C.L.A. 600.8729. A separate offense shall be deemed committed each day during or on which a violation or noncompliance occurs or continues, unless otherwise provided.

(e) Municipal Civil Infraction. (See Chapter 650 of these Codified Ordinances.)

(Ord. 1995-17. Passed 12-19-95.)

APPENDIX C

Collaborative Public Participation/Involvement Program (PPP)

Click [here](#) for link to Collaborative PPP Plan

APPENDIX D

Collaborative Public Education Program (PEP)

Click [here](#) for link to Collaborative PEP Plan

APPENDIX E

Collaborative Illicit Discharge Elimination Plan (IDEP)

Click [here](#) for link to Collaborative IDEP

APPENDIX F
Construction Stormwater Runoff Control

STANDARD OPERATING PROCEDURE CONSTRUCTION STORMWATER RUNOFF CONTROL PROGRAM

PREPARED FOR:

THE CITY OF WAYNE
4001 S WAYNE RD, WAYNE, MICHIGAN 48184



APRIL 2016

SECTION A – PURPOSE

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a description of current and proposed BMPs to meet the minimum control measure requirements for the construction stormwater runoff control program to the maximum extent practicable. The City of Wayne does not administer a Part 91 program and is not a designated municipal enforcement agency. The following standard operating procedure provides a description of the procedures the City employs for construction site runoff control that includes notification procedures and ensuring proper permits are obtained by those disturbing greater than one acre of soil.

SECTION B – NOTIFICATION PROCEDURE

The City will notify the Wayne County Water Quality Management Division (WCWQMD) when soil or sediment is discharged into the City's MS4 in a quantity that could negatively impact surface waters of the state. Complaints received by the City will be referred to WCWQMD within 24 hours.

Through the site plan review process, the City ensures that construction activity one acre or greater in total earth disturbance with the potential to discharge to the MS4 does obtain a Part 91 Permit and/or a State of Michigan Permit by Rule or is reviewed by an approved Authorized Public Agency through the site plan review process.

SECTION C – MEASUREABLE GOALS

To demonstrate the effectiveness of the County's Part 91 program, the following metrics will be tracked for reporting purposes:

- Number of Part 91 related complaints received and referred to the County by the City building inspector.
- Number of Part 91 permits issued by the County within the City.

These metrics will be tracked over the reporting cycle that is specified in the City's Certificate of Coverage.

SECTION D – REPORTABLE DISCHARGES

The City will not report instances of *de minimis* soil discharges to MDEQ. For instances where the discharge of sediment cannot be immediately contained on site, or if there are other pollutants that include pesticides, petroleum derivatives, construction chemicals, and solid waste associated with the discharge in quantities that are consistent with the spill response plan as defined in Appendix H of Stormwater Management Plan (SWMP), the City will notify the MDEQ through the Pollution Emergency Alert System (PEAS) at 1-800-292-4706.

SECTION E –STATE OF MICHIGAN PERMIT BY RULE

The City shall advise the landowner or recorded easement holder of the State of Michigan Permit by Rule (Rule 323.2190) for storm water discharge from construction activity if the area of the disturbance is greater than 5 acres. These criteria will be identified during the site plan review process and will be included in correspondence with the landowner as appropriate.

SECTION F – PROCESS FOR REVISION

Any questions on this policy and procedure should be directed to the Stormwater Manager or the City Manager. This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

APPENDIX G
Post-Construction Stormwater Runoff Program

APPENDIX G

STANDARD OPERATING PROCEDURE

POST CONSTRUCTION STORMWATER RUNOFF CONTROL

PREPARED FOR:

THE CITY OF WAYNE
4001 S WAYNE RD, WAYNE, MICHIGAN 48184



REVISED: JUNE 2018

SECTION A – PURPOSE

The MDEQ NPDES Phase II Stormwater Discharge Permit Application requires a description of current and proposed BMPs to meet the minimum control measure requirements for the post-construction stormwater runoff control program to the maximum extent practicable. Post-construction stormwater runoff controls are necessary to maintain or restore stable hydrology in receiving waters by limiting surface runoff rates and volumes and reducing pollutant loadings from sites that undergo development or significant redevelopment.

SECTION B – ADOPTION OF COUNTY STANDARDS

The City intends to adopt the Wayne County Stormwater design standards through a new Stormwater Management Ordinance. Should any revisions to these standards be implemented by the County, the City will subsequently review and implement the revised standards as appropriate.

SECTION C – SITE PLAN REVIEW PROCESS

A site plan is required for all development and redevelopments that are proposed within the City. Site plans are submitted to the Planning Commission for approval per Chapter 1276 of the City's Code Ordinances. Once approval has been given by the Zoning Board, the City will allow the applicant to proceed with applying for a building permit. Once the building permit has been issued, the construction will be inspected by the Building Official as stated in Chapter 1232 of the City's Code of Ordinances to ensure compliance with the final approved site plan. Should, at any time, the Code Enforcement Officer deem the construction to be non-compliant with the final approved site plan, enforcement actions as described in Section 202.99 will be implemented.

SECTION D – LONG TERM MAINTENANCE

The requirement for long-term maintenance of post construction stormwater controls in perpetuity by the Owner will be addressed through a standard maintenance agreement between the Owner and the City that requires continual maintenance for detention basins. In the event that the Owner fails to perform the required maintenance, the agreement establishes the authority for the City to address to access the property, address the maintenance issues, and place a tax lien on the property.

SECTION E – MEASURABLE GOALS

To demonstrate the effectiveness of the post construction stormwater runoff control program, the following metrics will be tracked for reporting purposes:

- Number of stormwater site plan reviews requested and completed
- Number of maintenance violations of constructed BMPs
- Number of instances where the City had to undertake corrective measures

These metrics will be tracked over the reporting cycle that is specified in the City's Certificate of Coverage.

SECTION F – PROCESS FOR REVISION

This procedure shall be reviewed every two years by the Stormwater Manager for any updates to streamline the requirements.

Wayne, Michigan Code of Ordinances

CHAPTER 1276
Site Plan Approval

- 1276.01 Authority of Planning Commission.
- 1276.02 Intent.
- 1276.03 Filing by land owner; fee.
- 1276.04 Information required on plan.
- 1276.05 Review and recommendation by Planning Commission.
- 1276.06 Time limit on establishment of the development.
- 1276.07 Variances.

CROSS REFERENCES

Zoning, land use and community development fees - see ADM. 210.12

Planning Commission - see P.& Z. Ch. 1210

Special exceptions - see P. & Z. 1234.12(b)

Variances - see P. & Z. 1234.12(c)

Off-street parking and loading - see P. & Z. Ch. 1282

Nonconforming uses - see P. & Z. Ch. 1286

Supplementary regulations - see P. & Z. Ch. 1288

Site plans for PRD Planned Residential Districts - see P. & Z. 1253.07 et seq.

1276.01 AUTHORITY OF PLANNING COMMISSION.

(a) Site plan review by the Planning Commission and approval by Council shall be required in B-1, B-2, B-3, B-4, B-5, IND-B, IND-1, IND-2, R-2, R-3, R-4, R-5, HD, T-1 and P-1 Districts and also required in R-1AA, R-1A, R-1B and R-1C Districts if for any of the uses listed as special exceptions in Section 1238.04 under any of the following circumstances:

- (1) Prior to change of use;
- (2) Prior to occupancy of a building that has been vacant for a period of more than six months;
and
- (3) Prior to commencement of development by construction of an additional building on improved land, or additions and renovations to existing buildings at an aggregate labor and material cost greater than twenty thousand dollars (\$20,000).

(b) Nothing herein contained shall require site plan review or approval for the following events:

- (1) Change of ownership;
- (2) Repair or replacement of the mechanical parts of a building such as, for example, but not limited to the furnace, hot water tank, toilet or sink;
- (3) Repair or re-roofing of a building with a flat roof;
- (4) Changes in, or additions to, signage;
- (5) Repairs as a result of fires or acts of God;
- (6) Installation of awnings; or
- (7) Interior building renovations for occupied properties that are not expected to substantially increase the demand on existing parking, providing there is a current certificate of occupancy inspection report which does not contain evidence of site conditions such as, but not limited to: inadequate lighting, improper signage, absent or deficient landscaping, improper treatment of dumpster(s), improper storage, peeling paint, scattered debris, status of parking lots.

(Ord. 1990-12. Passed 7-3-90; Ord. 2002-31. Passed 11-4-02; Ord. 2010-04. Passed 6-1-10; Ord. 2011-04. Passed 12-6-11.)

1276.02 INTENT.

Site plan review procedure is intended to minimize the possibility of an adverse effect upon adjacent property and to obtain proper relationships between the following development features as they relate to traffic, safety, service roads, drives and parking areas, building locations, open spaces and landscaping, storm water drainage and environmental effects. Site plan review procedure is also intended to further the Redevelopment and Design Concepts of the 2010 Amendments to the Master Plan. Such considerations are especially important with regard to the proximity of business, industrial and parking zoned areas to residential areas.

(Ord. 2-A-64. Passed 10-19-82; Ord. 2011-04. Passed 12-6-11.)

1276.03 FILING BY LAND OWNER; FEE.

Any person owning or having an ownership interest in a parcel of land may file for site plan approval. The application shall be accompanied by a fee as provided for in Chapter 210 of the Administration Code.

(Ord. 2-A-64. Passed 10-19-82.)

1276.04 INFORMATION REQUIRED ON PLAN.

The following information shall be included on the site plan:

- (1) The owner's name and address;
- (2) The date (month, day and year);

- (3) The title block;
- (4) A scale;
- (5) A northpoint;
- (6) A legal description;
- (7) A location sketch (one inch equals 2,000 feet);
- (8) The architect's, engineer's, surveyor's, landscape architect's or planner's seal;
- (9) The topography on the site and fifty feet beyond the site at two-foot contour intervals;
- (10) Lot lines and building lines within 100 feet;
- (11) Lot lines and property line dimensions;
- (12) The centerline and existing and proposed right-of-way lines;
- (13) The acceleration, deceleration and passing lane, where required;
- (14) The zoning classification of the petitioner's parcel and all abutting parcels;
- (15) Existing drainage courses, floodplains and lake or stream elevations;
- (16) Ties to major thoroughfares and/or section corners;
- (17) The general location of sanitary sewers and building leads;
- (18) A general indication of the following:
 - A. Water mains, hydrants and building services and sizes; and
 - B. Storm sewers, site grading, drainage, retention basins and/or other pertinent facilities;
- (19) A landscape plan;
- (20) Front, side and rear yard dimensions;
- (21) Loading and unloading area;
- (22) Total and usable floor area;
- (23) Building elevations;
- (24) Parking spaces;
- (25) Berm or obscuring wall locations and cross-sections;
- (26) Gross and net acreage figures;
- (27) Interior and exterior sidewalk locations;
- (28) Designation of fire lanes;
- (29) Exterior lighting locations and the method of shielding;
- (30) Trash receptacle locations and the method of shielding;

- (31) Transformer pad locations and the method of shielding;
- (32) Entrance details, including signs;
- (33) The quantity and quality of industrial waste;
- (34) The location of electrical and gas services;
- (35) Floor plans with dimensions;
- (36) The number of employees;
- (37) The location of parking spaces for the handicapped; and
- (38) The location and size of signage.

(Ord. 2-A-60. Passed 2-17-81; Ord. 2-A-64. Passed 10-19-82.)

1276.05 REVIEW AND RECOMMENDATION BY PLANNING COMMISSION.

The Planning Commission shall have the function, duty and power to review the site plan with the aid and assistance of recommendations from City departments affected by the site plan, which review shall be co-ordinated by the Secretary of the Commission. Thereafter, the Commission shall approve or disapprove the plan, or approve it subject to compliance with such modifications or conditions as may be deemed necessary to assure that all applicable provisions of this Zoning Code have been complied with. Upon the determination that all applicable provisions of this Zoning Code have been complied with, the Commission shall make a recommendation to Council by issuing a statement of preliminary site plan approval, or, if subject to modification, a statement of site plan approval subject to modification.

(Ord. 2-A-64. Passed 10-19-82.)

1276.06 TIME LIMIT ON ESTABLISHMENT OF THE DEVELOPMENT.

Establishment of the development permitted by site plan approval shall be within twelve months of approval. The issuance of a building permit or the commencement of development work shall constitute fulfillment of the establishment requirement.

(Ord. 1988-09. Passed 4-19-88.)

1276.07 VARIANCES.

If site plan approval depends on the granting of variances, Council shall refer the matter of variances to the Board of Zoning Appeals for action thereon.

(Ord. 2-A-60. Passed 2-17-81.)

CHAPTER 1232
Administration, Enforcement and Penalty

- 1232.01 Enforcement.
- 1232.02 Building permit required.
- 1232.03 Moving of buildings. (Repealed)
- 1232.04 Certificates of occupancy.
- 1232.05 Temporary certificates of occupancy.
- 1232.06 Essential services.

- 1232.99 Penalty.

CROSS REFERENCES

Fees for building permits - see ADM. 210.06

Zoning, land use and community development fees - see ADM. 210.12

Planning Commission - see P. & Z. Ch. 1210

Conflict of laws - see P. & Z. 1230.02

Interpretation of Zoning Code - see P. & Z. 1234.12(a)

Moving of buildings - see B. & H. Ch. 1446

1232.01 ENFORCEMENT.

This Zoning Code shall be enforced by the Building Official and no building permit or certificate of occupancy shall be granted by him or her except in compliance with the provisions of this Code.

(Ord. 2. Passed 6-22-61.)

1232.02 BUILDING PERMIT REQUIRED.

No building or structure or part thereof shall be erected, constructed, reconstructed, moved, added to or altered until a permit therefor has been issued.

(Ord. 2. Passed 6-22-61.)

1232.03 MOVING OF BUILDINGS. (REPEALED)

(EDITOR'S NOTE: Section 1232.03 was repealed by Ordinance 99-26, passed December 21, 1999.)

1232.04 CERTIFICATES OF OCCUPANCY.

No land shall be occupied or used, and no building or structure, or part thereof, hereafter erected, constructed, reconstructed, moved, added to or altered, shall be used or changed in use, until a certificate of occupancy has been issued by the Building Official stating that the building and proposed use thereof complies with the provisions of this Zoning Code.

(Ord. 2. Passed 6-22-61.)

1232.05 TEMPORARY CERTIFICATES OF OCCUPANCY.

Under such rules and regulations as may be established by the Board of Zoning Appeals, a temporary certificate of occupancy, for not more than thirty days, for a part of a building, may be issued by the Building Official.

(Ord. 2. Passed 6-22-61.)

1232.06 ESSENTIAL SERVICES.

Essential services shall be permitted as authorized and regulated by law and other ordinances of the City, it being the intention hereof to exempt such essential services from the application of this Zoning Code.

(Ord. 2. Passed 6-22-61.)

1232.99 PENALTY.

(EDITOR'S NOTE: See Section 202.99 for general Code penalty if no specific penalty is provided.)

(ABOVE SPACE FOR RECORDING PURPOSES)

STORMWATER MANAGEMENT SYSTEM MAINTENANCE AGREEMENT

THIS AGREEMENT entered into on the _____ day of _____, 2018, by and between the City of Wayne, a Michigan Municipal Corporation, the address of which is 3355 South Wayne Road, Wayne, MI 48184, (the "City"), and _____, the address of which is _____ (the "Property Owner"):

The Property Owner of the property described herein, agrees to install and maintain stormwater management practice(s) on the subject property in accordance with approved plans and conditions. The Property Owner further agrees to the terms stated in this document to ensure that the stormwater management system and practice(s) continues serving the intended function in perpetuity. This Agreement includes the following exhibits:

Exhibit A: Legal description of the real estate for which this Agreement applies ("Property"). Also, location map(s) showing a location of the Property and an accurate location of each stormwater management practice affected by this Agreement.

Exhibit B: Long-term Maintenance Plan that prescribes those activities that must be carried out to maintain compliance with this Agreement.

Through this Agreement, the Property Owner hereby subjects the Property to the following covenants, conditions, and restrictions:

1. The Property Owner, at its expense, shall secure from any affected owners of land all easements and releases of rights-of-way necessary for utilization of the stormwater practices identified in Exhibit B and shall record them with the County Register of Deeds. These easements and releases of rights-of-way shall not be altered, amended, vacated, released or abandoned without prior written approval of the City.
2. The Property Owner shall be solely responsible for the installation, maintenance and repair of the stormwater management system and practices, drainage easements and associated landscaping identified in Exhibits A & B in accordance with the Maintenance Plan.
3. No alterations or changes to the stormwater management system and/or practice(s) identified in Exhibits A & B shall be permitted unless they are deemed to comply with this Agreement and are approved in writing by the City.

4. The Property Owner shall retain the services of a qualified inspector to operate and ensure the maintenance of the stormwater management practice(s) identified in Exhibit B.
5. The Property Owner shall annually, by December 30th, provide to the City records (logs, invoices, reports, data, etc.) of inspections, maintenance, and repair of the stormwater management system and practices and drainage easements identified in Exhibit B. Inspections are required at least after every major rain event.
6. The City or its designee is authorized to access the property as necessary to conduct inspections of the stormwater management practices or drainage easements to ascertain compliance with the intent of this Agreement and the activities prescribed in Exhibit B. Upon written notification by the City or their designee of required maintenance or repairs, the Property Owner shall complete the specified maintenance or repairs within a reasonable time frame determined by the City. The Property Owner shall be liable for the failure to undertake any maintenance or repairs so that the public health, safety and welfare shall not be endangered nor the improvement damaged.
7. If the Property Owner does not keep the stormwater management practice(s) in reasonable order and condition, or complete maintenance activities in accordance with the Plan contained in Exhibit B, or the reporting required in 5 above, or the required maintenance or repairs within the specified time frames, the City is authorized, but not required, to perform the specified inspections, maintenance or repairs in order to preserve the intended functions of the system and practice(s) and prevent the system and practice(s) from becoming a threat to public health, safety, general welfare or the environment. In the case of an emergency, as determined by the City, no notice shall be required prior to the City performing emergency maintenance or repairs. The City may levy the costs and expenses of such inspections, maintenance or repairs plus a ten percent (10%) administrative fee against the Property Owner. The City, at the time of entering upon said stormwater management practice for the purpose of maintenance or repair, may file a notice of lien in the office of the Register of Deeds of the City upon the property affected by the lien. If said costs and expenses are not paid by the Property Owner after 90 days written notice, the City may pursue the collection of same through appropriate court actions and in such a case, the Property Owner shall pay in addition to said costs and expenses, all costs of litigation, including attorney fees.
8. The Property Owner hereby conveys to the City an easement over, on and in the property described in Exhibit A for the purpose of access to the stormwater management system and practice(s) for the inspection, maintenance and repair thereof, should the Property Owner fail to properly inspect, maintain and repair the system and practice(s).
9. The Property Owner agrees that this Agreement shall be recorded and that the land described in Exhibit "A" shall be subject to the covenants and obligations contained herein, and this agreement shall bind all current and future owners of the property.
10. The Property Owner agrees that the rights, obligations and responsibilities hereunder shall commence upon execution of the Agreement.
11. The parties whose signatures appear below hereby represent and warrant that they have the authority and capacity to sign this agreement and bind the respective parties hereto.

12. The Property Owner, its agents, representatives, successors and assigns shall defend, indemnify and hold the City harmless from and against any claims, demands, actions, damages, injuries, costs or expenses of any nature whatsoever, hereinafter "Claims", fixed or contingent, known or unknown, arising out of or in any way connected with the design, construction, use, maintenance, repair or operation (or omissions in such regard) of the storm drainage system referred to in the permit as Exhibit "B" hereto, appurtenances, connections and attachments thereto which are the subject of this Agreement. This indemnity and hold harmless shall include any costs, expenses and attorney fees incurred by the City in connection with such Claims or the enforcement of this Agreement.
13. This agreement shall run with the property and be binding upon all heirs, successors and assigns.
14. No agent of the City shall have power to revoke, alter, enlarge or relax the stipulations or requirements of this Agreement, without the prior formal written authorization to do so, by ordinance, resolution or official action of the City.
15. No failure by the City to insist upon the strict performance of any covenant, term or condition of this Agreement or to exercise any right, term, or remedy consequent upon any breach thereof, shall constitute a waiver of any such breach. No waiver of any breach shall affect or alter this Agreement, but each and every covenant, term and condition of this Agreement shall continue in full force and effect with respect to any other then existing or subsequent breach thereof.
16. This Agreement contains the entire agreement between the parties hereto and no representations, inducements, promises or agreements, oral or otherwise, entered into prior to the execution of this Agreement, will alter the covenants, agreements and undertakings herein set forth.
17. If any term or portion of this Agreement, or the application thereof, to any person or circumstance shall, to any extent, judicially be determined to be invalid or unenforceable, the remainder of this Agreement, or the application of such term or provision to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.
18. This Agreement shall not be modified in any manner, except by an instrument in writing executed by the parties.
19. The parties to this Agreement concur that any dispute concerning the interpretation of this Agreement shall be brought in the applicable state court located in the County of Wayne, Michigan, and that Michigan law shall control.
20. This Agreement may be executed and delivered in any number of counterparts, each of which so executed and delivered shall be deemed to be an original and all of which shall constitute one and the same instrument. A party may deliver executed signature pages to this Agreement by facsimile transmission or electronic mail to the other party, which facsimile or electronic copies shall be deemed to be an original executed signature page binding on the party that so delivered the executed signature page by facsimile or electronic mail.

IN WITNESS WHEREOF, the parties set their hand and seal on the date first written.

[SIGNATURES APPEAR ON FOLLOWING PAGES]

CITY OF WAYNE, a Michigan Municipal Corporation

By: _____
Susan M. Rowe, Mayor

By: _____
Matthew K. Miller, City Clerk

The foregoing instrument was acknowledged before me this _____ day of _____, 2018 by Susan M. Rowe, as the Mayor, and Matthew K. Miller, as the City Clerk, for the City of Wayne, a Michigan Municipal Corporation.

Notary Public
County of _____, Michigan
Commission Expires: _____
Acting in the County of _____

“PROPERTY OWNER”

_____, a Michigan
limited liability company/corporation

By: _____
Its: _____

On this _____ day of _____, 2018, before me personally appeared
_____, as _____ for _____,
a Michigan limited liability company/corporation, to me known to be the person described in and
who executed the foregoing instrument and acknowledged that he executed the same as his free
act and deed.

Notary Public
County of _____, Michigan
Commission Expires: _____
Acting in the County of _____

APPROVED AS TO FORM*:

Office of Wayne City Attorney

/s/ _____
By: Breeda O’Leary-Brassfield Date
City Attorney

*Any changes to the form of this Agreement must be re-submitted
to the City Attorney’s office for further review and approval.

DRAFTED BY AND RETURNED TO:
Breeda O’Leary-Brassfield
FAUSONE BOHN, LLP
41700 West Six Mile Road, Suite 101
Northville, Michigan 48168
248.380.000

EXHIBIT A

[LEGAL DESCRIPTION]

EXHIBIT B

[LONG-TERM MAINTENANCE PLAN]

APPENDIX H
Pollution Prevention and Good Housekeeping

APPENDIX H1

STANDARD OPERATING PROCEDURE

POLLUTION PREVENTION AND GOOD HOUSEKEEPING

GENERAL PROCEDURES

PREPARED FOR:

THE CITY OF WAYNE
4001 S WAYNE RD, WAYNE, MICHIGAN 48184



REVISED: SEPTEMBER 2018

SECTION A – PURPOSE

The Michigan Department of Environmental Quality (MDEQ) National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II Stormwater Discharge Permit Application requires a description of current and proposed BMPs to meet the minimum control measure requirements for the Pollution Prevention and Good Housekeeping Program to the maximum extent practicable to prevent or reduce the discharge of pollutants from municipal facilities and operations.

SECTION B – FACILITY ASSESSMENT AND PRIORITIZATION

City of Wayne (City) owned and operated facilities will be assessed for their potential to discharge pollutants to the waters of the state. Each facility will be evaluated based on the following criteria as outlined in the NPDES permit application:

1. Amount of urban pollutants stored at the site (*e.g.*, sediment, nutrients, metals, hydrocarbons, pesticides, fertilizers, herbicides, chlorides, trash, bacteria, or other site-specific pollutants)
2. Identification of improperly stored materials
3. Potential for polluting activities to be conducted outside (*e.g.*, vehicle washing)
4. Proximity to water bodies
5. Poor housekeeping practices
6. Discharge of pollutants of concern to impaired waters

Based on these criteria, the potential for each facility to discharge pollutants to the waters of the state will be rated high, medium, or low. For low priority facilities where no assessment factors are present, catch basin cleaning and street sweeping will be performed as indicated in the applicable procedures for these activities. For medium priority facilities, appropriate BMPs are considered based on the assessment factors present to prevent or minimize the potential for pollutants from entering surface waters of the state. High priority facilities have specific procedures that are included in this document.

SECTION C – UPDATES AND PRIORITY REVISION

This inventory will be updated within 120 days as facilities and structural stormwater controls are added, removed, or no longer owner or operated by the applicant. Priority level assessments will be revised within 120 days of discharging stormwater at a new facility, or when the storage of materials, equipment, or vehicles changes at a facility.

SECTION D – MUNICIPAL INVENTORY AND ASSESSMENT

The following table identifies the City's owned or operated facilities with a discharge of stormwater to surface waters of the state. **Table 1** includes a list of properties owned or operated by the City that has stormwater controls on site and provides the estimated number of stormwater structural controls (*e.g.*, catch basins, detention basins) at each site, along with the priority level of potential discharge of pollutants to waters of the state.

Table 1

| Facility Name | Structural Controls | Priority Level | Assessment Factors | BMP's Implemented |
|---------------------------------|--|----------------|--------------------|--|
| DPW Facility | Catch Basins (11) Dumpsters (5) Stockpiles (13) Underground Storage Tank (2) Salt Dome (1) Brine Tanks (3) Vehicle Wash Area (1) Multi-Chamber Swirl Concentrator (1) | High | 1, 3 | See Sections E-P |
| Civic Center | Catch Basins (16) Bioswale (3) Swirl Concentrators (3) | Low | 1 | Catch basin cleaning Street sweeping Swale maintenance |
| Fire Station #5 | Catch Basins (4) Storm Manholes (3) | Low | 1 | Catch basin cleaning Street sweeping |
| Forest Park | Catch Basins (1) Storm Manholes (5) | Low | 1 | Catch basin cleaning Street sweeping |
| Parks Department & Attwood Park | Catch Basins (2) | Low | 1 | Catch basin cleaning |
| Public Library & Parking Garage | Catch Basins (5) Storm Manholes (1) | Low | 1 | Catch basin cleaning Street sweeping |

In addition to the properties in **Table 1**, the City also owns an additional fourteen (14) parks and two (2) cemeteries with no structural stormwater controls installed. These properties are considered a low priority.

SECTION E – SITE SPECIFIC SOP FOR HIGH PRIORITY SITES

The MDEQ NPDES Phase II Stormwater Discharge Permit Application requires a standard operating procedure (SOP) for identifying the structural and non-structural stormwater controls implemented and maintained to prevent or reduce pollutant runoff at each facility with the high potential for pollutant runoff.

E.1 Inventory and Description of Materials and Activities

All of the City's public works operations are conducted at their Department of Public Works (DPW) facility. Site-specific procedures and inspections forms are incorporated into this General SOP. This site is considered a high priority site due the following operations:

DPW Facility – 4001 South Wayne Road

- Fuel Storage and Use
- Vehicle and Equipment Maintenance and Cleaning
- Salt Storage
- Stockpiled Materials

SECTION F –PRIORITIZATION CRITERIA OF STREET SWEEPING AND CATCH BASIN INSPECTIONS

The criteria for prioritizing street sweeping and catch basin cleaning activities has been defined as described below.

High Priority streets and catch basins have one or more of the following criteria:

- Immediately adjacent to stockpiles or potentially polluting materials that are not equipped with secondary containment measures or other BMPs;
- Frequently used, City-owned and maintained parking lots that have a high potential for pollutant runoff; and/or
- Receive drainage from unpaved roadways and/or parking lots.

Medium Priority streets and catch basins have one or more of the following criteria:

- Immediately adjacent to stockpiles or potentially polluting materials that have with secondary containment measures or other BMPs;
- Associated with a downtown shopping district;
- Streets within the municipality zoned as industrial with heavy truck traffic; and/or
- City-owned and maintained streets with moderate traffic volumes (speed limit greater than 30 mph).

Low Priority streets and catch basins have one or more of the following criteria:

- City-owned parking lots with no material storage or handling;
- Catch basins located within vegetated areas; and/or
- City-owned and maintained streets with low traffic volumes.

SECTION G – SCHEDULE OF STREET SWEEPING AND CATCH BASIN INSPECTIONS

The frequency of street sweeping and catch basin inspections associated with each priority level is provided in **Table 2** below.

Table 2

| Maintenance Activity | Priority Level – Schedule | | |
|-------------------------|---------------------------|---------|------------------|
| | High | Medium | Low |
| Street Sweeping | 4x /year | 2x/year | 1x /year |
| Catch Basin Inspections | Monthly | 1x/year | 1x /permit cycle |

A summary of the municipal properties and streets and their designated priority level is provided in **Table 3** below, followed by the criteria by which the specific priority levels were determined.

Table 3

| Maintenance Activity | Priority Level – Municipal Properties | | |
|-------------------------|---------------------------------------|--------|---|
| | High | Medium | Low |
| Street Sweeping | DPW Yard | None | All Other City-Owned Streets and Parking Lots |
| Catch Basin Inspections | DPW Yard | None | All Other City-Owned Catch Basins |

The DPW Yard is classified a high priority due to the presence of stockpiles, fuel tanks, bulk salt storage, and the storage and use of other polluting materials. The City does not own or operate any major thoroughfares that would be classified a high or medium priority.

All other City-owned streets, parking lots and catch basins are classified as low priority due to their limited potential for pollutant runoff or other environmental impacts.

If the DPW receives a complaint, a determination of the area will be made by DPW staff to increase sweeping on a more frequent interval as well as to reclassify the area to a higher priority rating. Catch basins that prompt resident complaints or are subject to isolated instances where structures are plugged or damaged will be maintained and inspected by DPW. At that time, it will be determined if the catch basin will require maintenance on a more frequent interval and warrants a reclassification to a higher priority rating.

In the event a priority rating is changed for catch basin inspections or street sweeping, this procedure will be updated within 120 days.

SECTION H – CATCH BASIN INSPECTION, MAINTENANCE, AND CLEANING METHODOLOGY

Catch basins are visually inspected during normal work activities or if a complaint is registered by a resident. A visual inspection of the structure will identify any structural defects which may include collapse, cracking, frame damage, pipe collapse, blockage, etc. and will be documented using a standardized form. Structural repairs are prioritized based on public safety concerns. During the inspection, if it is determined that the catch basin sump is 50% full of accumulated sediment and debris, it will be cleaned promptly and advanced to the next higher priority inspection level. Catch basins will be serviced using a vactor truck to remove solids and liquids from the structure. At no time is collected sediment and water allowed to be discharged back into the storm sewer system during the cleaning process. Catch basins that are located on private property are not inspected, cleaned, or maintained by the City.

SECTION I – STREET SWEEPING METHODOLOGY

Street sweeping activities are conducted by the City's DPW staff using mechanical sweeping equipment according to the manufacturer's specifications. Collected sediment from street sweeping activities is disposed of as described in Section I. On occasion, the City may retain the

services of a licensed contractor to conduct street sweeping for specific areas of the City that are determined on a case by case basis.

SECTION J – DISPOSAL OF COLLECTED MATERIAL

Collected material from street sweeping activities is stored in two covered 20-cubic yard roll off dumpsters at the DPW yard. Once the container reaches capacity, it is transported off-site where it is disposed of by a third party. Collected material from catch basin maintenance is initially dewatered on a concrete pad adjacent to the former City Pound which has a drain discharging to the sanitary sewer system. The dewatered catch basin cleanout debris is then transferred into a stockpile area with perimeter controls comprised of precast concrete blocks that are positioned at rear and sides. This debris is transported off-site to a licensed waste disposal facility by a licensed waste hauler.

SECTION K – ROAD, PARKING LOT, AND SIDEWALK MAINTENANCE

Road, parking lot, and sidewalk maintenance activities includes pothole repair, sidewalk repair/replacement, and curb and gutter repair. These services are addressed by DPW field staff as determined in the field on an as needed basis. Materials are purchased in limited quantities to reduce waste. Excess materials are stored in designated stockpiles at the City DPW facility and covered with a tarp. In cases where a contractor is retained to perform these activities, a City representative is on-site to oversee the work and ensure that excess material, concrete washout, and other associated pollutants are disposed of properly. Disposing of concrete washout and other excess repair materials into the storm sewer is strictly prohibited by the City.

K.1 Stockpiled Materials

Designated stockpile areas are located in the DPW yard at the east and west edges of the property in non-paved areas. Materials are stockpiled at this location infrequently and include cold patch, topsoil, sand, gravel, woodchips and other earthen materials as needed. All stockpiles have perimeter controls in place to prevent erosion which are comprised of precast concrete blocks that are positioned at rear and sides of the stockpile. The front is left open to provide access for loading. When not in use, the stockpiles are covered with a tarp to minimize erosion.

SECTION L – WINTER OPERATIONS

The City's DPW field staff applies rock salt and brine as part of their deicing procedures during the winter months. Bulk storage of road salt and brine is located at the City's DPW facility.

Several best management practices (BMPs) are employed by DPW personnel to achieve effective deicing with minimized environmental impact. Salt trucks are calibrated before every season to allow monitoring of the amount of deicing salt applied to ensure efficient use of materials and prevent over application. Salt and brine may be applied at the same time from vehicles to improve effectiveness and reduce the amount of salt used. Snow storage areas are designated in locations that enable runoff to be directed to landscaped areas for infiltration, be filtered

through a vegetated buffer, or be otherwise treated prior to entering streams, wetlands or the storm sewer system.

L.1 Salt Storage and Handling

The City has one (1) salt storage structure consisting of a domed building, with a floor that is comprised of an impervious cement pad. The building is not located within 50 feet of a lake shore, stream bank, or wetland, nor is it located in a 100-year floodplain. The salt dome is completely enclosed and has a concrete loading pad. The loading area is swept regularly and maintained to be free of salt residue. Salt storage, application, loading and unloading procedures, and equipment calibration training is provided annually to DPW staff to minimize track-out from loading/unloading operations and to minimize environmental impacts in the City.

L.2 Brine Storage and Handling

The City has three (3) 2,500-gallon brine storage tanks that are located on an uncovered impervious cement pad next to a maintenance garage. The paved tank storage area is below grade and surrounded by concrete curbing. The drain for the secondary containment is maintained in the off position at all times. In the event of a brine spill or release, spilled liquid is confined to the storage area.

SECTION M– FUEL STORAGE AND FUELING

Two underground storage tanks (USTs) are installed at the City's DPW facility. The USTs include one 5,000-gallon gasoline tank and one 3,000-gallon diesel fuel tank. The USTs are located outside within a designated fueling area. Both tanks are dispensed via key fob and access code controlled dispensers, and equipped with an emergency power shut-off, video surveillance, overfill alarm, and an automated leak detection and volume monitoring control system. The tanks are only filled on an as-needed basis and are inspected and serviced on a quarterly basis by a licensed third party. Part 5 Rules indicate that fuel storage areas "shall be designed, constructed, maintained, and operated to prevent the release of polluting materials through sewers, drains, or otherwise directly or indirectly into any public sewer system or to the surface or groundwater's of this state." The City has met this requirement through the proper storage and pollution prevention methods currently in place. These include the following:

- Bulk liquid tanker delivery vehicles will only be allowed on site if contact has been made with properly trained personnel and it has been confirmed that these personnel will be present at the delivery point.
- Properly trained personnel will be in attendance to monitor the entire fuel transfer process. They are authorized to terminate or to order the driver to terminate the transfer and have the driver move the tanker in case of an emergency. Attending personnel will be alert, have an unobstructed view of the cargo tank connections and be within 25 feet of the cargo tank during transfer operations.

- Properly trained DPW staff will direct the tanker for proper positioning, verify, and provide access to the correct fill port. Access to other fill ports or unlocking pipeline caps in anticipation of other delivery vehicles is strictly prohibited.
- Properly trained DPW staff will ensure a potential spill or release cannot enter storm drains by placing a protective barrier on or around affected storm drains (*e.g.*, spill mats, absorbant, boom).
- Wheel chocks or other approved methods to prevent the tanker from moving during the transfer process or driving off without following proper disconnection practices will be required.
- Inspection of the truck to ensure that there are no leaks will be conducted before and after the transfer operation.
- Hose connections will be reviewed and verified prior to the transfer.
- The available volume of the tank will be verified prior to transfer to prevent over-filling.
- During removal of the transfer lines, trained staff will ensure that excess material is drained into the appropriate receiving tank or receptor to prevent a release of materials to the environment.
- Trained staff will monitor the termination process and inspect the lower most tanker manifold for evidence of leaks or damage prior to the tanker's departure.
- A spill kit is stationed at the fueling area at all times.

A fueling log is maintained to track and record the volume of fuel dispersed for City vehicles and equipment. Completion of these logs is mandatory and used as secondary control to track the volume of fuel stored in the tanks.

SECTION N – VEHICLE WASHING AND MAINTENANCE

Vehicle maintenance activities are conducted by DPW staff for the City's entire vehicle fleet except for police vehicles inside the DPW garage. Maintenance activities conducted by DPW staff include, but are not limited to, oil changes and other vehicle fluids, brakes, tune ups, and general repair tasks. A maintenance log is maintained to document all vehicle maintenance and repair activities. All vehicle fluids, such as new and used oil, coolant/antifreeze, windshield washer fluid and grease, are stored inside the DPW garage in bulk and commodity-sized containers, some equipped with secondary containment. Floor drains within the DPW garage discharge to an oil/water separator that is connected to the sanitary sewer system.

Vehicle and equipment washing activities are conducted outdoors in a designated paved area adjacent to the maintenance garage. The wash area drains to a single catch basin that is connected to the sanitary sewer system.

SECTION O – OTHER STRUCTURAL STORMWATER CONTROLS

In addition to implementing the catch basin maintenance and street sweeping programs, the City also has other structural controls that are located on City owned and operated properties.

O.1 Detention Basin Inspections

Detention basins that are owned and operated by the City are inspected on a 5-year cycle. Inspections will assess the vegetation, erosion, flow channelization, bank stability, inlet/outlet conditions, embankment, and sediment and debris accumulations. Sediment is removed from the basin forebay when necessary. If it is determined that maintenance activities are needed, the City will document the needed maintenance actions using a standardized inspection form and perform any maintenance activities as needed.

O.2 Swirl Concentrators

The City currently maintains four (4) swirl concentrators that are located at the DPW facility and Civic Center. Inspections occur once per year in the spring involve a visual inspection of the amount of sediment that has accumulated in the sumps of the concentrators. Cleaning of the unit will be completed when sediment has accumulated to a depth of two feet. Cleaning will be completed during a period of dry weather when no flow is entering the unit. After removing the manhole lid, the sediment can be removed from the unit using a Vac-truck. After all of the solids have been removed, the manhole lid is replaced securely to prevent stormwater runoff from entering the unit from above.

O.3 Bioswales

Three (3) bioswales are installed in the parking lot of the Civic Center. Signage has been posted at the bioswales to communicate the purpose and benefit of the bioswales to the public. The bioswales are inspected and maintained on an annual basis by community volunteers. Local gardeners identify the plants that should be present in the bioswales and those that are weeds and should be removed. Inspections will assess the vegetation, presence of invasive species, erosion, flow channelization, bank stability, inlet/outlet conditions, embankment, and sediment and debris accumulations. The inspections will also determine if the basin is properly dewatering 24-48 hours after a major storm event. Based on the inspections, maintenance tasks may include re-seeding and/or replanting bare areas, removal of accumulated sediment, floatables and litter, and treatment of invasive species will be undertaken if the basin has reduced functional capacity. Debris from maintenance is recycled with yard waste.

In the event additional structural stormwater controls are constructed, this procedure will be updated and revised to include the new controls within 120 days.

SECTION P – NON-STRUCTURAL CONTROLS

The City is committed to employing preventative maintenance practices through the use of several nonstructural controls to prevent stormwater pollution. These nonstructural controls are everyday types of activities undertaken by employees at the facility. The non-structural controls implemented at the DPW facility are as follows:

P.1 Routine Inspections and Good Housekeeping Procedures

Preventive maintenance involves the regular inspection, testing, and cleaning of facility equipment, vehicles, and operational systems. DPW foremen meeting DPW field staff on a daily basis to discuss daily assignments and objectives. A routine inspection is conducted by facility staff during site walkthroughs during normal operations activities. The purpose of these inspections is to identify and prevent conditions that could lead to stormwater pollution. A log of corrective actions will be kept on file by the City.

A total of two (2) dumpsters for general refuse, two (2) dumpsters for dry street sweepings, and one (1) dumpster for vegetation and wood refuse are kept on site for office trash and construction refuse. None of the dumpsters or receptacles are used for the disposal of hazardous materials. When not in use, the lids for both the recycling receptacles and the dumpsters are closed.

Routine inspections of stormwater management and control structures are conducted to ensure materials and equipment are clean and orderly and to prevent or minimize pollutant runoff. Part 5 rules also require surveillance of polluting materials. The routine inspections will include this information for the salt storage and fueling areas. These routine inspections are conducted and documented on a monthly basis. A monthly routine preventive maintenance and good housekeeping inspection form is provided in this SOP. Completed routine inspection forms are kept on file at the DPW facility.

Staff inspects all vehicles consistent with Commercial Driver's License Procedures, and performs detailed vehicle inspections every month. Completed vehicle maintenance records and fueling logs are kept on file at the DPW facility.

P.2 Comprehensive Site Inspections

The comprehensive site inspection will include the areas and equipment identified in the preventive maintenance program, good housekeeping procedures, a review of the routine preventive maintenance reports, and any other paperwork associated with this SOP. All DPW related activities will be evaluated during the comprehensive inspection. In contrast to the routine inspections, comprehensive inspections will focus on areas that have a reasonable potential for significant materials to contaminate stormwater runoff. The comprehensive site inspection for DPW areas will be conducted every (six) 6 months. Documentation of the comprehensive site inspection results will be prepared and kept on file. A comprehensive stormwater inspection form is provided in this SOP.

SECTION Q – NEW APPLICANT OWNED FACILITIES

In the event the City acquires or constructs new structural stormwater controls, the design of these structures will comply with the stormwater standards that have been established by Wayne County. Site plans will be reviewed by the City, or its consultants, to ensure the appropriate standards are met.

SECTION R – CERTIFIED PESTICIDE APPLICATOR

The DPW does not have any certified pesticide applicators on staff and does not utilize pesticides, herbicide, or fertilizers on City owned properties on a regular basis. If needed, the City will retain the services of a pesticide application contractor that possesses a state applicator's license. Any application activities that occur are overseen by a City representative to ensure quality of work and proper application and disposal.

SECTION S – EMPLOYEE TRAINING

Employee training programs will be implemented to inform appropriate personnel at all levels of responsibility of safety, environmental impacts, and good housekeeping practices. The City participates in training opportunities that are made available by SEMCOG, Wayne County, the Alliance of Rouge Communities, and others as deemed appropriate. Employee training components for the City's DPW field staff includes:

| Employees Trained | Training Description and Frequency |
|------------------------|--|
| New City DPW Employees | Upon hire, employees will: <ul style="list-style-type: none">• Read and become familiar with City of Wayne SOPs• Participate in a job shadow program where new staff is paired with a DPW foreman or grounds crewman for 30 days. |
| All City DPW Staff | Once per permit cycle: <ul style="list-style-type: none">• View the Municipal Storm Water Pollution Prevention Storm Watch training video (or similar).• Review proper materials storage and handling• Review good housekeeping and pollution prevention practices• Review examples of illicit discharges to the storm sewer system• Review the City's Spill Response procedure• Incorporation of stormwater BMPs into recurring staff meetings (DPW) |
| Key Staff | Attend relevant training workshops by the Alliance of Rouge Communities, SEMCOG, or others, when available. |

SECTION T – CONTRACT REQUIREMENTS AND OVERSIGHT

Contractors retained by the City to perform municipal operations that potentially impact stormwater are required to follow appropriate pollution prevention BMPs indicated in the City's contract language. All work performed by outside contractors are monitored by DPW staff through daily observation to ensure quality of work, adherence to the specified contract language, and to ensure that potential impacts to stormwater are minimized to the Maximum Extent Practicable. The City will also modify bid specification requirements when applicable to minimize the risk of pollution to storm water discharges.

Measurable Goals – To demonstrate the effectiveness of this procedure, the following metrics will be tracked for reporting purposes.

- Number of stormwater pollution related incidents pertaining to activities or work performed by the contractor.
- Number of incidents where the City required corrective action by the contractor.

These metrics will be tracked over the reporting cycle that is specified in the City's Certificate of Coverage.

SECTION U – PROCESS FOR REVISION

This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

INSPECTION FORMS

**ROUTINE PREVENTIVE MAINTENANCE
AND GOOD HOUSEKEEPING INSPECTION FORM**

**Complete this inspection every month. It is not necessary to complete this inspection during the same month the Comprehensive Inspection is conducted. Maintain completed copy in site files.*

| | | | | |
|---|-----------------------------|--|-----------|---|
| Name: | | Date/Time: | | |
| Title: | | Weather: | | |
| Significant Activity | Materials / Location | Status, Corrective Action Needed? | | Corrective Action Date, Initials |
| Fuel Dispensing Area (Gas and Diesel; Spill Kit) | Exterior | | | |
| Used Oil Tank Area | Exterior | | | |
| Stockpiled Materials | Exterior | | | |
| Salt Storage Dome and Loading/Unloading Area | Exterior | | | |
| Brine Storage and Loading | Exterior | | | |
| General Refuse and Recyclable Materials | Exterior | | | |
| Street Sweeping Debris, Roll-Off Dumpsters | Exterior | | | |
| Catch Basin Cleanout Materials: Dewatering Pad, Dried Stockpile Area | Exterior | | | |
| Vehicle and Equipment Washing | Exterior Pad | | | |
| Storm Water Catch Basins | Exterior | | | |
| | | YES | NO | Follow-Up Required? |
| Are good housekeeping practices being maintained? | | | | |
| Is all preventive maintenance of equipment performed in areas that will not release pollutant into storm water run-off? | | | | |
| Do any areas of exposed soil and/or erosion need to be addressed? | | | | |
| Signature: | | | | |

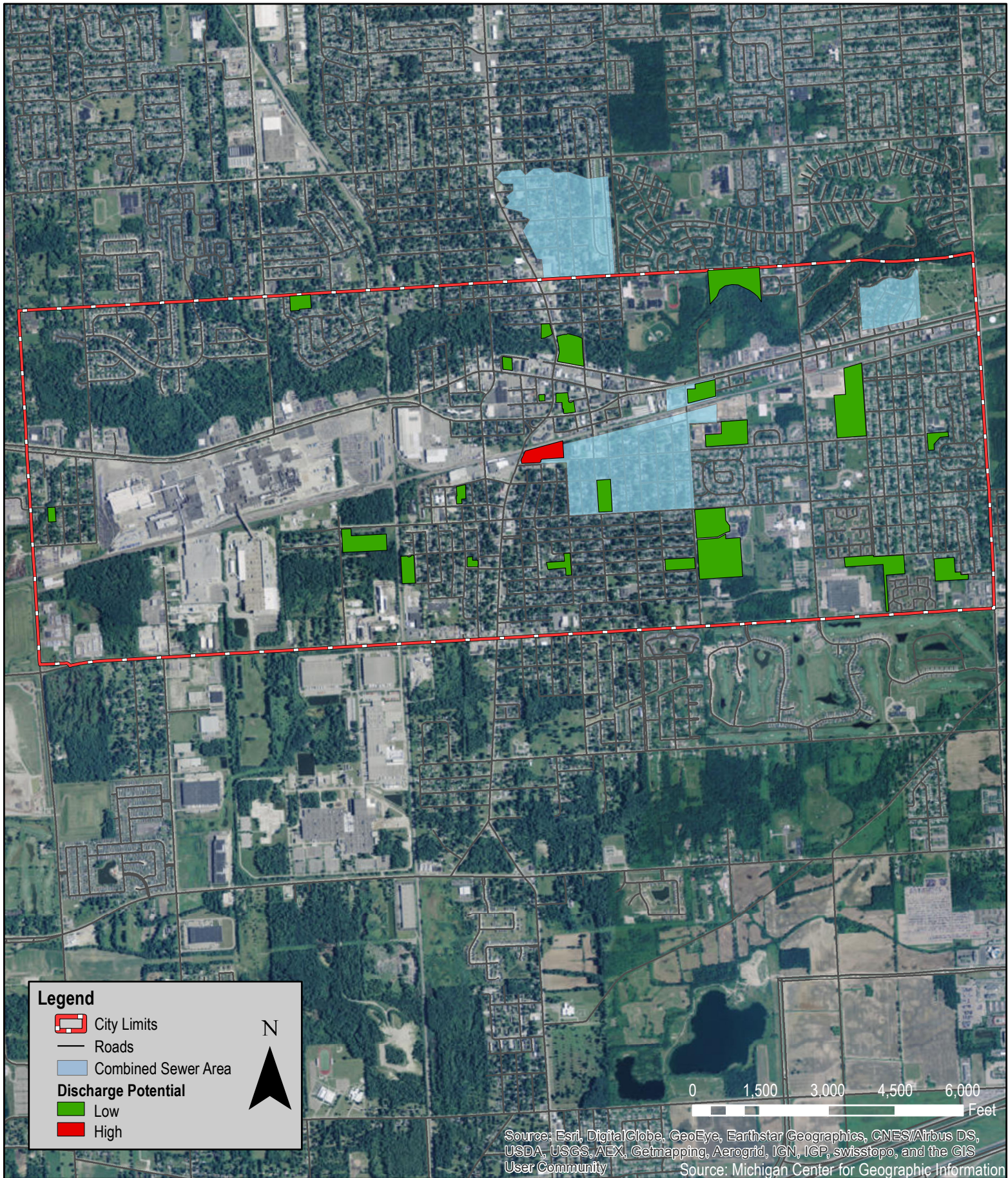
**COMPREHENSIVE SITE INSPECTION
AND REPORT FORM (EVERY 6 MONTHS)**

**Complete this inspection every 6 months. It is not necessary to complete the Routine Preventive Maintenance and Good Housekeeping Inspection during the same month this inspection is conducted. Maintain completed copy in site files.*

| Name: | | Date/Time: | |
|--|------------------|--|---|
| Title: | | Weather: | |
| Significant Materials / Activity | Location | Status, Corrective Action Needed? | Corrective Action Date, Initials |
| Fuel Dispensing Area (Gas and Diesel; Spill Kit) | Exterior | | |
| Used Oil Tank Area | Exterior | | |
| Stockpiled Materials | Exterior | | |
| Salt Storage Dome and Loading/Unloading Area | Exterior | | |
| Brine Storage and Loading | Exterior | | |
| General Refuse and Recyclable Materials | Exterior | | |
| Street Sweeping Debris, Roll-Off Dumpsters | Exterior | | |
| Catch Basin Cleanout Materials: Dewatering Pad, Dried Stockpile Area | Exterior | | |
| Vehicle and Equipment Washing | Exterior Pad | | |
| Storm Water Catch Basins | Exterior | | |
| Automotive Fluids | Interior, Garage | | |
| Other Inspection Notes: | | | |

**COMPREHENSIVE SITE INSPECTION
AND REPORT FORM (EVERY 6 MONTHS)**

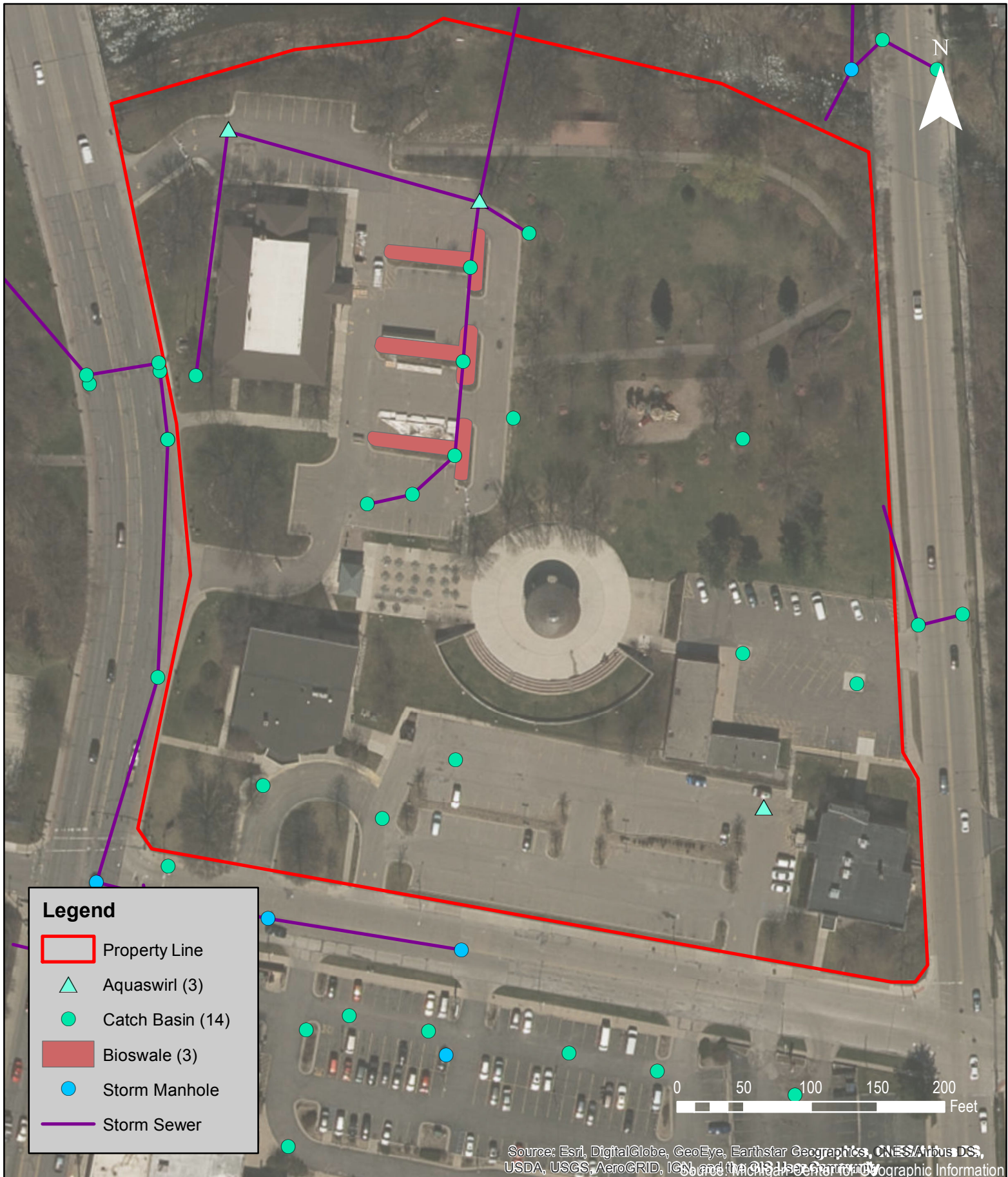
| | YES | NO | Follow-Up Required? |
|---|-----|----|---------------------|
| Are good housekeeping practices being maintained? | | | |
| Is all preventive maintenance of equipment performed in areas that will not release pollutant into storm water run-off? | | | |
| Do records exist of preventive maintenance activities conducted during the past 6 months since the last Comprehensive Inspection? | | | |
| Do any areas of exposed soil and/or erosion need to be addressed? | | | |
| Are there any non-storm water discharges? | | | |
| Has any training been completed in past 6 months concerning stormwater controls and preventive maintenance? If so, what? | | | |
| <i>I certify that the facility is in compliance with the Pollution Prevention and Good Housekeeping SOP.</i> | | | |
| Signature: | | | Date: |



City of Wayne Facilities Location Map

Wayne County, Michigan

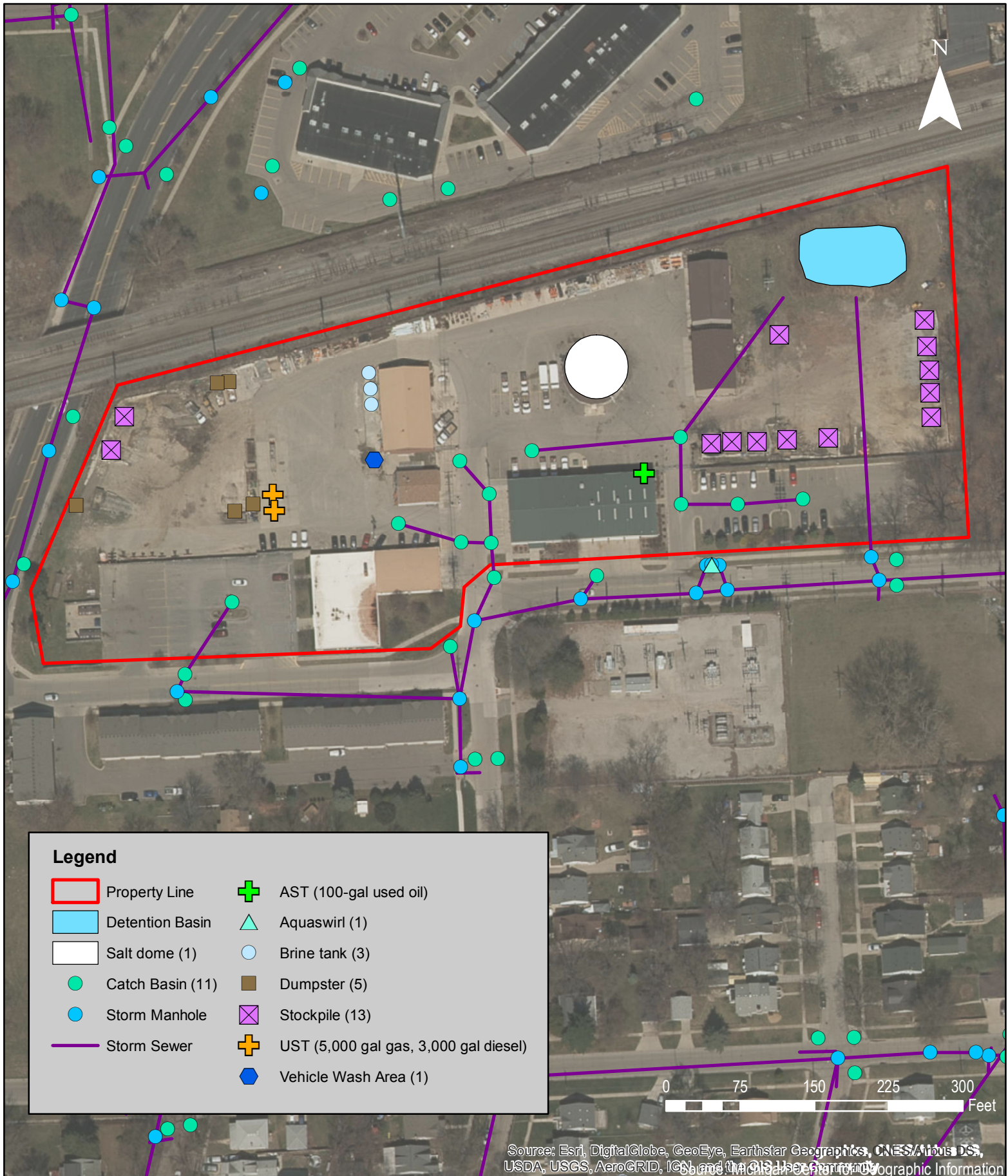




City of Wayne - Civic Center

3355 S Wayne Road.
Wayne, MI 48184





City of Wayne - Department of Public Works

4001 S Wayne Road.
Wayne, MI 48184





City of Wayne - Fire Station No. 5

3300 S Wayne Rd
Wayne, MI 48184

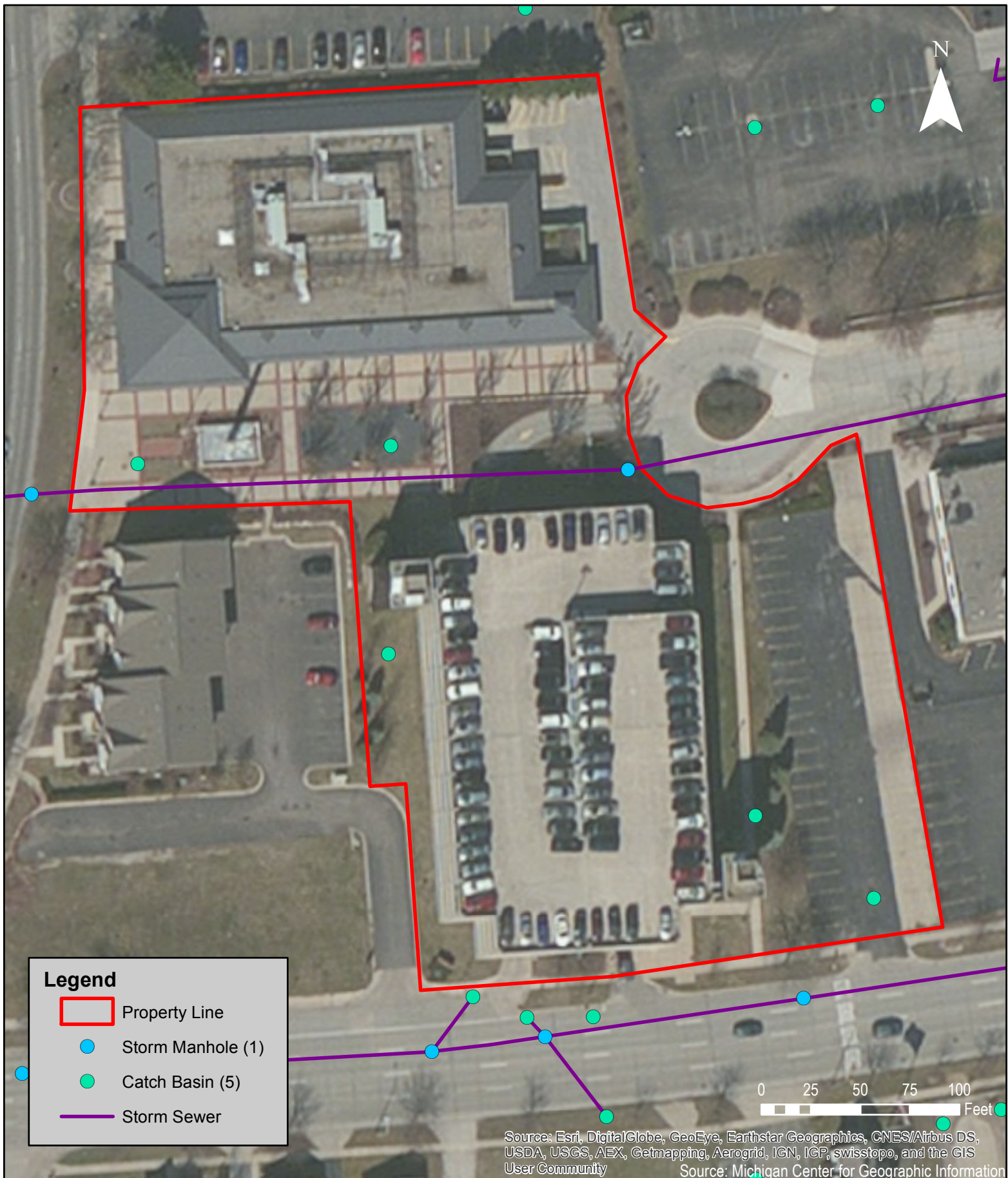




City of Wayne - Forest Park

33504 Forest Ave
Wayne, MI 48184

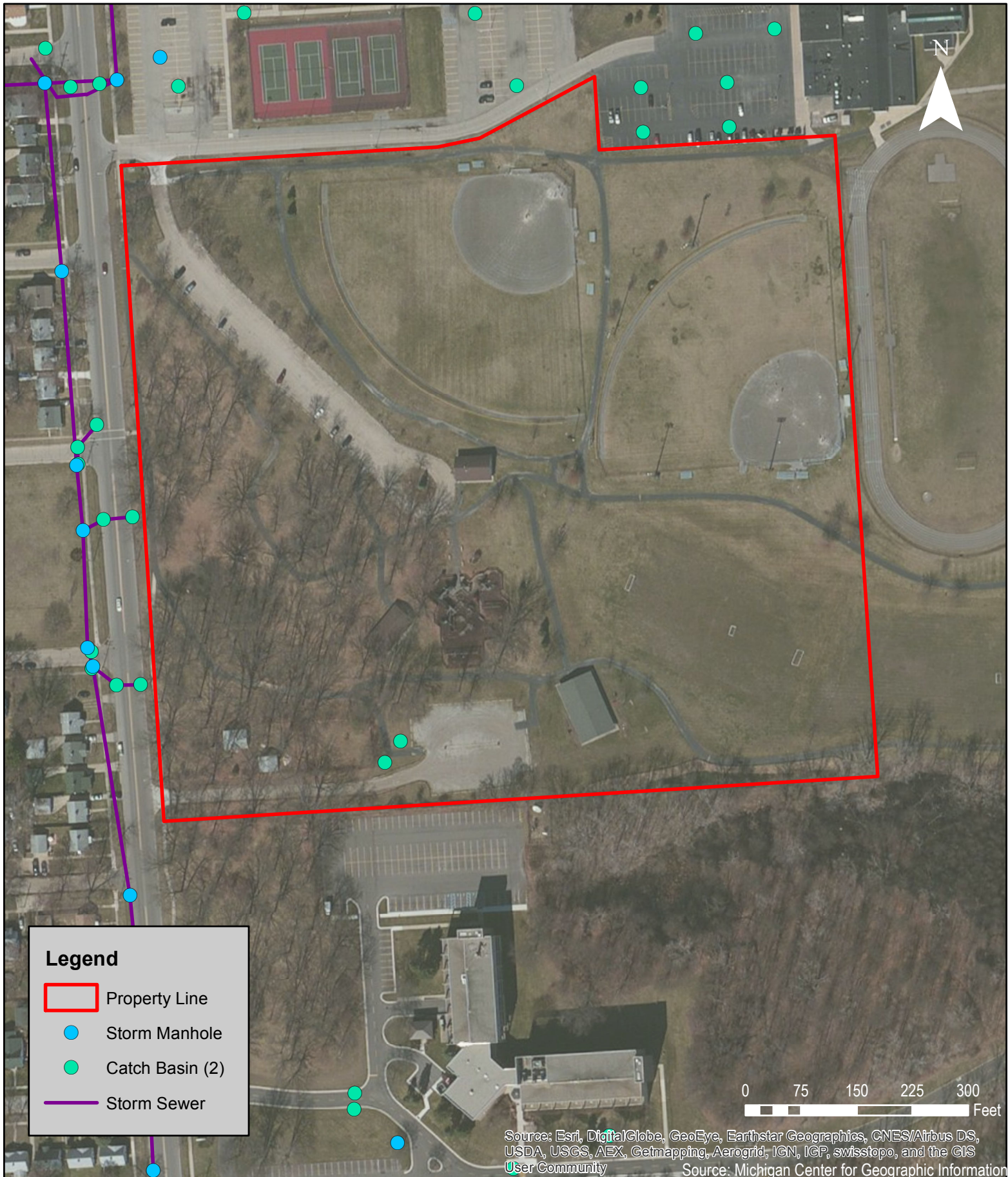




City of Wayne - Public Library & Parking Garage

3737 S Wayne Rd
Wayne, MI 48184





City of Wayne - Parks Department & Attwood Park

4635 Howe Rd
Wayne, MI 48184



APPENDIX H2

STANDARD OPERATING PROCEDURE

POLLUTION PREVENTION AND GOOD HOUSEKEEPING

SPILL RESPONSE

PREPARED FOR:

THE CITY OF WAYNE
4001 S WAYNE RD, WAYNE, MICHIGAN 48184



REVISED: JULY 2018

SECTION A – PERSONNEL

The following City personnel have been identified as key staff in charge of spill response planning, implementation and maintenance of the Spill Response Plan.

| Name | Phone |
|-----------------------|----------------|
| Wayne Police Dispatch | (734) 721-1414 |
| Wayne Fire Department | (734) 722-1111 |
| Ramzi El-Gharib | (734) 721-8600 |

A.1 Responsibilities

- The **Facility Responsible Person** has primary responsibility for coordinating the response to emergencies, including chemical spills
- **Supervisors** should ensure that employees are familiar with these procedures and receive the necessary training
- **All employees** should follow these procedures in the event of a chemical spill

A.2 Emergency Contact Numbers

The following telephone numbers should be posted near telephones and in other conspicuous locations:

| Name | Affiliation | Phone |
|---|-------------------------|----------------|
| Wayne Police Dispatch | Wayne Police Department | (734) 721-1414 |
| Wayne Fire Department | Wayne Fire Department | (734) 722-1111 |
| Ramzi El-Gharib | Wayne DPW | (734) 721-8600 |
| MDEQ 24-Hour Pollution Emergency Alerting System (PEAS) | | 1-800-292-4706 |
| MDEQ Southeast Michigan District Office | | (586) 753-3700 |
| City of Detroit Wastewater Treatment Plant | | (313) 267-7401 |
| National Response Center | | 1-800-424-8802 |

SECTION B – CLEAN-UP PROCEDURES

Spilled chemical should be effectively and quickly contained and cleaned up. Employees should clean up spills themselves ***only if properly trained and protected***. Employees who are not trained

in spill cleanup procedures should report the spill to the Responsible Person(s) listed above, warn other employees, and leave the area.

The following general guidelines should be followed for evacuation, spill control, notification of proper authorities, and general emergency procedures in the event of a chemical incident in which there is potential for a significant release of hazardous materials.

B.1 Evacuation

Persons in the immediate vicinity of a spill should *immediately evacuate* the premises (except for employees with training in spill response in circumstances described below). If the spill is of “medium” or “large” size, or if the spill seems hazardous, immediately notify emergency response personnel.

B.2 Spill Control Techniques

Once a spill has occurred, the employee needs to decide whether the spill is small enough to handle without outside assistance. Only employees with training in spill response should attempt to contain or clean up a spill.

NOTE: If you are cleaning up a spill yourself, make sure you are aware of the hazards associated with the materials spilled, have adequate ventilation, and proper personal protective equipment. Treat all residual chemical and cleanup materials as hazardous waste.

Spill control equipment should be located wherever significant quantities of hazardous materials are received or stored. Material Safety Data Sheets (SDSs), absorbents, over-pack containers, container patch kits, spill dams, shovels, floor dry, acid/base neutralizers, and “caution-keep out” signs are common spill response items.

B.3 Spill Response and Clean-up

Chemical spills are divided into three categories: Small, Medium, and Large. Response and cleanup procedures vary depending on the size of the spill.

Small Spills: Any spill where the major dimension is less than 18 inches in diameter. Small spills are generally handled by internal personnel and usually do not require an emergency response by police or fire department HAZMAT teams.

- Quickly control the spill by stopping or securing the spill source. This could be as simple as up-righting a container and using floor-dry or absorbent pads to soak up spilled material. Wear gloves and protective clothing, if necessary.
- Put spill material and absorbents in secure containers if any are available.
- Consult with the Facility Responsible Person and the SDS for spill and waste disposal procedures.

- Use Dry Cleanup Methods and **never** wash spills down the drain, onto a storm drain or onto the driveway or parking lot.
- Both the spilled material and the absorbent may be considered hazardous waste and must be disposed of in compliance with state and federal environmental regulations.

Medium Spills: Spills where the major dimension exceeds 18 inches, but is less than 6 feet. Outside emergency response personnel (police and fire department HAZMAT teams) may be called for medium spills. Common sense, however, will dictate when it is necessary to call them.

- Immediately try to help contain the spill at its source by simple measures only. This means quickly up righting a container, or putting a lid on a container, if possible. Do not use absorbents unless they are immediately available. Once you have made a quick attempt to contain the spill, or once you have quickly determined you cannot take any brief containment measures, leave the area and alert Emergency Responders at 911. Closing doors behind you while leaving helps contain fumes from spills. Give police accurate information as to the location, chemical, and estimated amount of the spill.
- Evaluate the area outside the spill. Engines and electrical equipment near the spill area must be turned off. This eliminates various sources of ignition in the area. Advise Emergency Responders on how to turn off engines or electrical sources. Do not go back into the spill area once you have left. Help emergency responders by trying to determine how to shut off heating, air conditioning equipment, or air circulating equipment, if necessary.
- If emergency responders evacuate the spill area, follow their instructions in leaving the area.
- After emergency responders have contained the spill, be prepared to assist them with any other information that may be necessary, such as SDSs and questions about the facility. Emergency responders or trained personnel with proper personal protective equipment will then clean up the spill residue. Do not re-enter the area until the responder in charge gives the all clear. Be prepared to assist these persons from outside the spill area with SDSs, absorbents, and containers.
- Reports must be filed with proper authorities. It is the responsibility of the spiller to inform both his/her supervisor and the emergency responders as to what caused the spill. The response for large spills is similar to the procedures for medium spills, except that the exposure danger is greater.

Large Spills: Any spill involving flammable liquid where the major dimension exceeds 6 feet in diameter; and any “running” spill, where the source of the spill has not been contained or flow has not been stopped.

- Leave the area and notify Emergency Responders (911). Give the operator the spill location, chemical spilled, and approximate amount.
- From a safe area, attempt to get SDS information for the spilled chemical for the emergency responders to use. Also, be prepared to advise responders as to any ignition sources, engines, electrical power, or air conditioning/ventilation systems that may need to be shut off. Advise responders of any absorbents, containers, or spill control equipment that may be available. This may need to be done from a remote area, because an evacuation that would place the spiller far from the scene may be needed. Use radio or phone to assist from a distance, if necessary.
- Only emergency response personnel, in accordance with their own established procedures, should handle spills greater than 6 feet in any dimension or that are continuous. Remember, once the emergency responders or HAZMAT team is on the job cleaning up spills or putting out fires, the area is under their control and no one may re-enter the area until the responder in charge gives the all clear.
- Provide information for reports to supervisors and responders, just as in medium spills.

SECTION C – REPORTING SPILLS

All chemical spills, regardless of size, should be reported as soon as possible to the Facility Responsible Person. The Responsible Person will determine whether the spill has the potential to affect the environment outside of the facility and must be reported to local, state, or federal agencies. Examples of spills that could affect the outside environment include spills that are accompanied by fire or explosion and spills that could reach nearby water bodies.

C.1 Reporting Thresholds

The spill coordinator will report spills to MDEQ PEAS for spills that involve the following:

- Salt spills over 50 pounds or 50 gallons of brine onto the ground or into water (required by Part 5 rules)
- Gasoline release of 32 gallons or more onto the ground (required by Part 201)
- Oil release of 50 pounds (approximately 7½ gallons) onto the ground (required by Part 5 rules)
- Any amount of oil or fuel that reaches surface water or shorelines, call MDEQ PEAS and the National Response Center (as required by the Clean Water Act and Part 31)
- Any spill that is in doubt about reporting

C.2 Reporting Requirements

Within ten (10) days of release, submit a written report for the reportable releases to the following:

- MDEQ Water Resources Division Field Operations Chief, PO Box 30273, Lansing, Michigan 48909-7773
- Wayne County Department of Public Health, 33030 Van Born Road, Wayne, Michigan 48184

Note: the optional report form EPQ 3465 can be found at:

http://www.michigan.gov/deq/0,4561,7-135-3307_29894_5959-20341--,00.html

The MDEQ may request other follow-up reports depending on the situation.

SECTION D – SPILL KIT INVENTORY

The following is a list of spill response equipment that will be maintained by the designated spill response coordinators at all locations where fuel products are stored and dispensed.

D.1 Minimum Spill Response Equipment

- 20 pounds of floor dry
- 1 shovel
- 1 broom
- Caution tape
- 5 Absorbent booms
- 20 Absorbent Pads
- Container for clean-up (30 gallons)
- Sample bottles

SECTION E – PROCESS FOR REVISION

This procedure shall be reviewed once per permit cycle by the Stormwater Manager for any updates to streamline the requirements.

APPENDIX I
Total Maximum Daily Loads (TMDL)
Click [here](#) for link to Collaborative TMDL