

CHARTER TOWNSHIP OF YPSILANTI
MINUTES OF THE TUESDAY, MARCH 19, 2019 REGULAR MEETING

Supervisor Stumbo called the meeting to order at approximately 7:00 p.m. in the Ypsilanti Township Civic Center Board Room, 7200 S. Huron River Drive, Ypsilanti Township. The Pledge of Allegiance was recited followed by a moment of silent prayer.

Members Present: Supervisor Brenda L. Stumbo, Clerk Lovejoy Roe, Treasurer Doe, Trustees: Stan Eldridge, Heather Jarrell Roe Jimmie Wilson, Jr., and Monica Ross-Williams

Members Absent: none

Legal Counsel: Wm. Douglas Winters

PUBLIC HEARING

**A. 7:00PM – RESOLUTION 2019-10, SUPPORT FOR ADMISSION OF MICHIGAN
NATURAL RESOURCES TRUST FUND APPLICATION FOR IMPROVEMENTS TO
LOONFEATHER PARK**

Supervisor Stumbo opened the Public Hearing at 7:01 PM.

Chris Nordstrom, Carlisle Wortman Associates, explained the Michigan Natural Resources Trust Fund Grant. He stated it was a \$296,500.00 grant, which was 50% of the total cost for the improvements proposed at Loonfeather Park. He said the improvements that were proposed would be rehabilitating the guardhouse, pavilions, bathrooms, and shoreline stabilization. Mr. Nordstrom stated the rehabilitation of the bathroom and sidewalks would be ADA compliant. He said the Grant Application requires three forms of ecological sensitive improvements. Mr. Nordstrom stated adding a rain garden, adding LED lights, and using sustainable resource material for all the improvements would accomplish the grant requirements. He said the application must be submitted by April 1, 2019. He said in early summer 2019 the DNR would give the communities who have gotten through the first step a chance to add supplemental material. He said if we get letters of support or had fundraising for the project, we could add that to our application. Mr. Nordstrom said that in December 2019 the DNR would announce the communities that have been recommended for approval. He said in March of 2020 the State of Michigan would formally fund the grant for the designated communities. He said if Ypsilanti Township were awarded the grant, they would have two years to complete the project. Mr. Nordstrom stated this was a reimbursement grant, which meant the improvements would need to be made first, and then the township would be reimbursed from the DNR. He encouraged residents to write letters in support and send them to him and he would forward them to the DNR.

JoAnn McCollum, Township Resident stated she was in support of the improvements for Loonfeather Park. She said she would reach out to the community to ask them to write letters of support.

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Dennis Dickerson, Township Resident stated he was in support of the improvements for Loonfeather Park and would encourage his neighbors to write letters for this project.

Arloa Kaiser, Township Resident stated she was in support of the improvements for Loonfeather Park. She stated she lives near the park and she enjoys hearing the kids playing soccer and seeing others enjoying the park.

Evan Pratt, Washtenaw County Resource Commissioners Office stated they would be writing a letter in support of this grant for Loonfeather Park.

Supervisor Stumbo closed the Public Hearing a 7:07 PM.

A motion was made by Clerk Lovejoy Roe, supported by Trustee Ross-Williams to Approve Resolution 2019-10, Support for Admission of Michigan Natural Resources Trust Fund Application for Improvements to Loonfeather Park (see attached).

Clerk Lovejoy Roe thanked everyone for their help in getting this together so quickly.

Supervisor Stumbo stated that when we acquired this property in 1986 many laws have changed. She said the soil erosion is a huge problem that would be addressed with this project. She said it was a great opportunity to bring the park up to today's standards. Supervisor Stumbo stated that the changes in the park would make them ADA compliant.

The motion carried unanimously.

PUBLIC COMMENTS

JoAnn McCollum, Township Resident, thanked Supervisor Stumbo, Clerk Lovejoy Roe, and Trustee Ross-Williams for attending the West Willow traffic committee meeting. She said she was against allowing marijuana dispensaries in Ypsilanti Township. She said she was substitute teaching in a local high school and two students in her classroom were smoking marijuana. She said that in another classroom she overheard a student telling a friend she went into a dispensary, purchased a marijuana brownie, and said she had a bad reaction to it. Ms. McCollum stated that she was concerned for the youth in Ypsilanti Township and she felt having the dispensaries in the township would not be a positive influence for them.

Arloa Kaiser, Township Resident, stated she was against marijuana dispensaries in Ypsilanti Township. She said she attended the meeting regarding our roads and she stated there would be money for fixing the roads if the government did not spend all the money for roundabouts. She said she was against the gas tax increase that Governor Whitmer was proposing. She said the proposal was for the main roads in Michigan and not local roads. She said the Lt. Governor and MDOT representative

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talked in circles so they did not answer questions. Ms. Kaiser said these people were elected to take good care of us and not to line their pockets.

Evelyn Epton, Township Resident, stated she disagreed with opting out of marijuana dispensaries. She said in Oregon the studies show that once marijuana was legalized the number of youth users and abusers decreased.

CONSENT AGENDA

A. MINUTES OF THE MARCH 5, 2019 REGULAR MEETING

B. STATEMENTS AND CHECKS

- 1. STATEMENTS AND CHECKS FOR MARCH 19, 2019 IN THE AMOUNT OF \$1,220,926.90**
- 2. CHOICE HEALTH CARE DEDUCTIBLE ACH FOR FEBRUARY 2019 IN THE AMOUNT OF \$54,761.49**
- 3. CHOICE HEALTH CARE ADMIN FEE FOR JANUARY 2019 IN THE AMOUNT OF \$1,124.50**

C. FEBRUARY 2019 TREASURER'S REPORT

A motion was made by Treasurer Doe, supported by Trustee Eldridge to Approve the Consent Agenda.

The motion carried unanimously.

ATTORNEY REPORT

A. GENERAL LEGAL UPDATE

Attorney Winters commented on the outstanding work that Chief Copeland and Fire Marshall, Dan Kimball did on the arson case.

NEW BUSINESS

- 1. RESOLUTION 2019-09, WASHTENAW REGIONAL RESOURCE MANAGEMENT AUTHORITY (WRRMA)**

A motion was made by Clerk Lovejoy Roe, supported by Trustee Eldridge to Approve Resolution 2019-09, Washtenaw Regional Resource Management Authority (WRRMA) (see attached).

Supervisor Stumbo questioned whether Recyclables should be stated in the first paragraph of the Resolution.

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Attorney Winters stated the Articles of Incorporation states the areas that it was going to concentrate on. He said it was motivated by the need for recyclables. He said all the communities were struggling with where the recyclables would go since China was no longer accepting them.

Supervisor Stumbo said she and Trustee Eldridge have attended meetings regarding what to do with recyclables. She said communities have signed on to work collectively and communities can bid out garbage and may get a better rate. She said if gas goes up \$.45 a gallon, we will have a higher expense than we expected. Supervisor Stumbo asked how many communities had to adopt this for it to move forward.

Evan Pratt, Washtenaw County Resource Commissioner, stated only two communities were needed to move forward. He said Ypsilanti Township would be the fifth community to join.

The motion carried unanimously.

2. REQUEST APPROVAL OF YPSILANTI TOWNSHIP ASSET MANAGEMENT PLAN FOR COUNTY DRAINAGE SYSTEMS AS PRESENTED BY THE WASHTENAW COUNTY WATER RESOURCE COMMISSIONER'S OFFICE DATED JANUARY 2019

A motion was made by Trustee Wilson, supported by Treasurer Doe to Approve Ypsilanti Township Asset Management Plan for County Drainage Systems as presented by the Washtenaw County Water Resource Commissioner's Office Dated January 2019 (see attached).

Trustee Ross-Williams asked about the Washtenaw County drains by West Willow if they were Road Commission or Water Resources Drains.

Evan Pratt, Washtenaw County Resource Commissioner, stated that it will be a couple of years working with the Washtenaw County Roads deciding which drains belong to the road commission and which belong to them. He said they have told the road commission they would be happy to have everything turned over to them. He said they know Ypsilanti Township is supportive of what they do so they come out to the Township more frequently than they do in other communities.

The motion carried unanimously.

3. RESOLUTION 2019-11, AUTHORIZING THE WATER RESOURCE COMMISSION TO EXCEED THE STATUTORY SPENDING AND ASSESSMENT LIMIT OF FIFTEEN THOUSAND DOLLARS (\$15,000.00) PER YEAR FOR THE MAINTENANCE AND REPAIR OF THE OAKLAND ESTATES SUBDIVISION DRAIN

A motion was made by Clerk Lovejoy Roe, supported by Trustee Jarrell Roe to Approve Resolution 2019-11, Authorizing the Water Resource Commission to

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Exceed the Statutory Spending and Assessment Limit of Fifteen Thousand Dollars (\$15,000.00) Per Year for the Maintenance and Repair of the Oakland Estates Subdivision Drain (see attached).

The motion carried unanimously.

- 4. RESOLUTION 2019-12, AUTHORIZING THE WATER RESOURCE COMMISSIONER TO EXCEED THE STATUTORY SPENDING AND ASSESSMENT LIMIT OF FIFTEEN THOUSAND DOLLARS (\$15,000.00) PER YEAR FOR THE MAINTENANCE AND REPAIR OF THE RECREATION PARK SUBDIVISION DRAIN**

A motion was made by Trustee Eldridge, supported by Trustee Jarrell Roe to Approve Resolution 2019-12, Authorizing the Water Resource Commissioner to Exceed the Statutory Spending and Assessment Limit of Fifteen Thousand Dollars (\$15,000.00) Per Year for the Maintenance and Repair of the Recreation Park Subdivision Drain (see attached).

The motion carried unanimously.

- 5. REQUEST AUTHORIZATION OF PAYMENT TO LAVERNE COURTNEY FOR HIS CONVEYANCE OF ANY INTEREST IN THE PROPERTY LEGALLY KNOWN AS RIVER GROVE TOWNHOMES PHASE II IN THE AMOUNT OF \$4,000.00 BUDGETED IN LINE ITEM #101-950-000-969-010**

A motion was made by Trustee Wilson, supported by Trustee Ross-Williams to Approve the Authorization of Payment to Laverne Courtney for his Conveyance of any Interest in the Property Legally Known as River Grove Townhomes Phase II in the Amount of \$4,000.00 Budgeted in Line Item #101-950-000-969-010.

The motion carried unanimously.

- 6. REQUEST TO AMEND THE CONSTRUCTION SERVICES AGREEMENT WITH OHM FOR THE CIVIC CENTER AND COMMUNITY CENTER ROOF REPLACEMENT PROJECTS IN THE AMOUNT OF \$8,450.00 TO BE BUDGETED IN LINE ITEM #101-970-000-975-141 CONTINGENT UPON BUDGET AMENDMENT APPROVAL**

A motion was made by Treasurer Doe, supported by Trustee Wilson to Approve Request to Amend the Construction Services Agreement with OHM for the Civic Center and Community Center Roof Replacement Projects in the Amount of \$8,450.00 to be Budgeted in Line Item #101-970-000-975-141 Contingent Upon Budget Amendment Approval (see attached).

The motion carried unanimously.

- 7. REQUEST ADOPTION OF A PROCLAMATION FOR NATIONAL POLLINATOR WEEK JUNE 16-22, 2019**

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A motion was made by Clerk Lovejoy Roe, supported by Trustee Jarrell Roe to Approve Request Adoption of a Proclamation for National Pollinator Week June 16-22, 2019 (see attached).

The motion carried unanimously.

8. BUDGET AMENDMENT #5

A motion was made by Clerk Lovejoy Roe, supported by Trustee Ross-Williams to Approve Budget Amendment #5 (see attached).

The motion carried unanimously.

A motion was made by Treasurer Doe, supported by Trustee Eldridge to Adjourn.

The meeting was adjourned at approximately 7:45PM.

Respectfully Submitted,



Brenda L. Stumbo, Supervisor
Charter Township of Ypsilanti

Karen Lovejoy Roe, Clerk
Charter Township of Ypsilanti



CHARTER TOWNSHIP OF YPSILANTI

Resolution 2019-10

**Support for Admission of Michigan Natural Resources Trust Fund
Application for Improvements to Loonfeather Park**

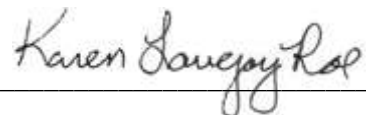
WHEREAS, the Charter Township of Ypsilanti supports the submission of an application titled, "Loonfeather Point Park Improvements" to the Michigan Natural Resources Trust Fund for rehabilitation of two picnic pavilions, construction of new bathroom facilities, reconfiguration of existing pathways, construction of rain gardens, and stabilization of the western slopes at Loonfeather Point Park; and,

WHEREAS, the proposed application is supported by the Township's 5-Year Approved Parks and Recreation Plan; and,

WHEREAS, the Charter Township of Ypsilanti is hereby making a financial commitment to the project in the amount of \$296,500 in matching funds, in cash and/or force account; and,

NOW THEREFORE, BE IT RESOLVED that the Charter Township of Ypsilanti hereby authorizes submission of a Michigan Natural Resources Trust Fund Application for \$296,500, and further resolves to make available a local match through financial commitment and donations of \$296,500 (50%) of a total \$593,000 project cost, during the 2020-2021 fiscal year.

I, Karen Lovejoy Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2019-10 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on March 19, 2019.



Karen Lovejoy Roe, Clerk

Charter Township of Ypsilanti

CHARTER TOWNSHIP OF YPSILANTI

RESOLUTION NO. 2019-09

**WASHTENAW REGIONAL RESOURCE
MANAGEMENT AUTHORITY (WRRMA)**

WHEREAS, ACT 179 of 1947, being MCL 123.301 et. seq. ("Act"), enables the incorporation of any two (2) or more cities, villages, or townships, for the collective management of garbage and rubbish; and

WHEREAS, Ypsilanti Township has participated with other local municipalities in discussing and studying the establishment of an Authority under the Act, and

WHEREAS, an authority under the Act is authorized by Articles of Incorporation; and

WHEREAS, the Act prescribes and details the process for incorporation as an authority under the Act; and

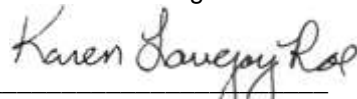
WHEREAS, the benefits of an authority include consistency in materials management, consistency in citizen awareness programs, and beneficial contracting positions for area wide services; and

WHEREAS, Ypsilanti Township has reviewed the draft Articles of Incorporation for WRRMA and find the Articles to be acceptable and consistent with the law; and

WHEREAS, Ypsilanti Township believes that becoming a member of WRRMA will benefit the community as a whole.

NOW THEREFORE, BE IT RESOLVED, Ypsilanti Township does hereby resolved to become a Constituent Member of WRRMA and instructs the Supervisor and Clerk to execute the required documents accordingly and further appoints Lisa Stanfield as the designated representative of Ypsilanti Township to WRRMA and Brenda Stumbo as the designated alternate representative to WRRMA.

I, Karen Lovejoy Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2019-09 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on March 19, 2019.



Karen Lovejoy Roe, Clerk
Charter Township of Ypsilanti

Washtenaw County
Water Resources Commissioner's Office



Ypsilanti Township
Asset Management Plan
For County Drainage Systems



Version 1.0

January 2019

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INTRODUCTION

Background

The Michigan Drain Code of 1956, as amended, currently caps the allowable maintenance spending on county drains to \$5,000 per mile. This equates to less than \$1.00 per linear foot of drain and severely limits our office's ability to inspect, remove sediment or woody vegetation, clear obstructions or catch structures, repair breakages, and generally maintain the drainage infrastructure. As such, our field operations primarily consists of reactively responding to service requests and keeping the drains operational. We would appreciate the opportunity to methodically continue renewing drains to their original condition, as they will all continue to deteriorate without taking proactive measures. In other parts of the County, this type of approach has dramatically reduced service calls by eliminating sediment and debris in or near the drain, and allowing a drain to move into our low-cost mowing program.

The storm water infrastructure in Ypsilanti Township consists of 91 legally established county drains, two state regulated dams, three regional storm water basins, and various other appurtenances. In all, there are approximately 132 miles of drainage conveyances with a replacement value estimated at slightly under 43 million dollars. This plan recommends overall annual spending of \$500-750 thousand, which is between one and two percent of the replacement value. Details and reasons supporting this recommendation will be provided in following sections within the report.

The infrastructure assets covered by this asset management plan are shown in Table 1. These assets are used to provide stormwater conveyance, agricultural drainage and nonpoint source pollution control.

Table 1: Assets covered by this Plan

Drain	Year Est.	Linear Feet	type	Chp 20?	Replacement Value
Amberly Grove	1999	12121	enclosed		\$545,458.93
Aspen Ridge	2003	6115	enclosed		\$275,152.59
Beyer Relief	1929	104513	enclosed	yes	\$6,270,776.72
Brock Tile	1912	6936	combination		\$228,743.60
Budd	1928	5088	enclosed		\$228,974.85
Clubview Estates	1993	3433	enclosed		\$154,464.01
Creekside Village East	2015	8763	enclosed		\$394,349.33
Creekside Village South		11648	enclosed		\$524,158.86
Creekside Village West		8328	enclosed		\$374,740.00
Deauville Parish	1980	6545	enclosed		\$294,507.53
Derbyshire	1919	9727	combination		\$343,566.62
Eaton	1871	1796	open		\$26,932.89
Ford Lake Hghts	1980	3522	enclosed		\$158,505.39
Ford Lake Hghts #4	1991	1110	enclosed		\$49,933.72
Ford Lake Hghts #5	1991	1699	enclosed		\$76,455.86
Ford Lake Hghts Sub #2	1990	2587	enclosed		\$116,412.34
Ford Lake Hghts Sub #3	1990	1681	enclosed		\$75,653.19
Ford Lake Village #1	1992	4364	enclosed		\$196,401.80
Ford Lake Village #2	1994	7409	enclosed		\$333,425.63
Gault Farms Sub	1960	10645	enclosed		\$479,036.78
Gault Village	1974	2064	enclosed	yes	\$92,897.26
Georgetown	1996	3922	enclosed		\$176,485.33
Golf Estates	1999	1925	enclosed		\$86,634.74
Gorton	1907	9930	open		\$148,945.77
Green Fields	2000	14513	enclosed		\$653,091.64
Greene Farms	1997	52330	enclosed		\$2,354,871.09
Hamilton Tile		11071	enclosed	yes	\$664,261.17
Huron Cnter Com & Ind Park	0	1455	enclosed		\$65,487.10
Huron Cnter Com & Off Park	1988	1778	enclosed		\$80,027.32
Huron Commons Condo		1025	enclosed		\$46,115.49
Jerome Street	1955	2577	enclosed		\$115,970.93
Laflin	1909	5753	open		\$86,294.36
Lakewood Farms	1997	2060	enclosed		\$92,689.08
Miller	1963	2373	open		\$35,599.01
Nancy Park #3	1955	2498	enclosed		\$112,410.97
N Br of Big Swan Creek IC	2017	13067	open		\$196,002.69
North Ford Lake CONSOL	1975	5239	enclosed	yes	\$284,116.32
Oakland Estates Sub	1977	12161	enclosed		\$547,266.67
Owen Relief	1964	580	enclosed		\$26,088.13
Packard Br of Paint Creek	1970	20	enclosed		\$910.55
Partridge Creek	1996	45177	enclosed		\$2,027,832.21
Pineview Golf Course Est	1990	191	enclosed		\$8,586.56
Pineview Golf Course Est #2	1995	517	enclosed		\$23,286.03
Pineview Golf North	1999	164	enclosed		\$7,378.37

Pittsfield-Clubview	1978	496	enclosed		\$22,328.46
Rawsonville Road		2393	enclosed	yes	\$143,581.68
Raymond Meadows Site Condo	1998	5802	enclosed		\$261,099.56
Recreation Park Sub	1929	10944	enclosed		\$492,457.98
Shady Knolls	1955	6981	enclosed		\$314,145.99
Sines Extension	1922	2755	open		\$41,318.44
Smokler-Textile	1972	10750	enclosed		\$483,758.48
Spruce Falls Subdivision	1989	1933	enclosed		\$87,000.80
Streamwood #3 and #4	1993	7138	enclosed		\$321,229.56
Streamwood #5	1994	2714	enclosed		\$122,152.15
Streamwood #6	1994	4482	enclosed		\$201,673.45
Streamwood #7	1994	6299	enclosed		\$283,459.50
Streamwood #8	1995	5195	enclosed		\$233,758.06
Streamwood Sub	1992	6616	enclosed		\$297,698.42
Swan Creek & Pliney Harris	2017	2621	open		\$39,307.58
The Pines Sub	1961	6565	enclosed		\$295,439.99
Tremont Park Subdivision	2000	15714	enclosed		\$707,134.04
Tyler Dam Drain	2017	8752	open		\$131,280
Upper Paint Creek	1966	11147	combination	yes	\$416,410.35
Washtenaw-Clubview #1	1928	11793	enclosed		\$530,668.30
Washtenaw-Clubview #2	1928	7371	enclosed		\$331,715.04
W Branch of Paint Creek	1860	4110	open		\$61,648.95
Westlawn	1966	4399	enclosed	yes	\$263,924.97
Whispering Meadows	1999	16867	enclosed		\$759,009.11
Whittaker Village	2001	6540	enclosed		\$294,314.99
Whittaker-Textile	1977	2836	combination		\$94,164.68
Willow Run	1967	2838	combination	yes	\$143,033.02
Willow Run Ext 1 & Brnchs	1971	2295	enclosed	yes	\$137,710.30
Ypsilanti Twp #01	1965	3323	enclosed	yes	\$199,385.11
Ypsilanti Twp #02	1976	890	enclosed	yes	\$53,388.93
Ypsilanti Twp #03	1967	3583	enclosed	yes	\$214,997.07
Ypsilanti Twp #04	1965	11090	enclosed	yes	\$665,373.40
Ypsilanti Twp #05	1966	1089	enclosed	yes	\$65,320.03
Ypsilanti Twp #06	1966	3146	enclosed	yes	\$188,746.17
Ypsilanti Twp #07	1967	22661	enclosed	yes	\$1,359,673.48
Ypsilanti Twp #07 Ext	1970	3096	enclosed	yes	\$185,773.59
Ypsilanti Twp #08	1969	6629	enclosed	yes	\$397,769.50
Ypsilanti Twp #09	1969	3490	enclosed	yes	\$209,415.04
Ypsilanti Twp #09 Ext	1974	1316	enclosed	yes	\$78,973.51
Ypsilanti Twp #10	1969	2048	enclosed	yes	\$122,901.02
Ypsilanti Twp #11	1975	3724	enclosed	yes	\$223,440.23
Ypsilanti Twp #12	1970	2378	enclosed	yes	\$142,673.44
Ypsilanti Twp #13	1972	19700	enclosed	yes	\$1,182,020.98
Ypsilanti Twp #13 Ext	1971	8291	enclosed	yes	\$497,469.32
Ypsilanti Twp #14	1969	574	enclosed	yes	\$34,434.65
Ypsilanti Twp #01 Consol	1972	7432	enclosed	yes	\$445,936.88
Ypsilanti Twp #02 Consol	1974	2325	enclosed	yes	\$139,490.14
Beyer Dam	1939		dam		\$4,625,000.00
Tyler Dam			dam		\$5,375,000.00
TOTAL		132	miles		\$42,999,505.77

Please note that drain values are approximate and would need to be analyzed on a drain-specific basis for more precise cost estimates.

It is worth mentioning chapter 20 drain charges are the responsibility of the local municipality to pay in their entirety, while other drains are apportioned to local property owners/Washtenaw County/railroads in addition to the local municipality. In most of these cases, the local unit's percentage averages between 5 and 30 percent.

The network of county drain assets does not comprise all storm water runoff conveyance in the Township. There are rivers and streams, road culverts, ditches, and private drains that are not designated county drains.

Goals and Objectives of Asset Ownership

Our goal in managing infrastructure assets is to reduce reactive maintenance through proactive measures, thereby reducing overall costs for present and future consumers. The key elements of infrastructure asset management are:

- Providing a defined level of service and monitoring performance,
- Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined level of service,
- Identifying, assessing and appropriately controlling risks, and
- Linking to a long-term financial plan which identifies required, affordable expenditure and how it will be allocated.

We would like to propose this plan act as the first step in an annual process where we work with you to identify and recommend improvements, making adjustments as necessary as the township gets feedback from the residents.

LEVELS OF SERVICE

Expectations

This asset management plan is prepared to facilitate consultation prior to adoption by Ypsilanti Township and the Water Resources Office. Future revisions of the asset management plan will incorporate community consultation on service levels and costs of providing the service. This will assist Washtenaw County, the Township Supervisor, and particularly the Board of Trustees in matching the level of service required, service risks and consequences with the community's ability and willingness to pay for the service.

Strategic Goals

This asset management plan is prepared under the direction of the Washtenaw County Water Resources Commissioner's vision, mission, goals and objectives.

Our vision is:

To efficiently address drainage and water quality needs of County residents and communities.

Our mission is:

To provide for the health, safety and welfare of Washtenaw County citizens and the protection of surface water and the environment and to promote the long term environmental and economic sustainability of Washtenaw County by providing storm water management, flood control, development review and water quality programs.

Relevant goals and objectives and how these are addressed in this asset management plan are:

Table 2: Goals and how these are addressed in this Plan

Goal	Objective	How Goal and Objectives are addressed in AM Plan
Maintain drainage network in a cost-effective manner.	Continue to transition from reactive service requests to proactive maintenance.	Identifies drain segments that require proactive maintenance to reduce the likelihood of service requests
Reduce downstream sedimentation	Remove sediment from channels	Identify brush and streambank/other erosion projects for open drains. Intercept solids upstream of piped systems (through post-construction controls, development regulations, and other govt. agency BMP's)
Correct drainage networks already in various states of failure	Restore systems to working condition and prevent/reduce incidents of flooding	Identify systems that need to be renewed or re-constructed and prepare an estimate for initial costs

Levels of Service

Supporting the customer service levels are operational or technical measures of performance. These technical measures relate to the allocation of resources to service activities to best achieve the desired customer outcomes and demonstrate effective performance.

Technical service measures are linked to the activities and annual budgets covering:

- Operations – the regular activities to provide services (e.g. opening hours, cleansing, energy, inspections, etc.)
- Maintenance – the activities necessary to retain an asset as near as practicable to an appropriate service condition. Maintenance activities enable an asset to provide service for its planned life (e.g. structure repairs, sediment removal, mowing, vactoring),
- Renewal – the activities that return the service capability of an asset up to that which it had originally (e.g. road resurfacing and pavement reconstruction, pipeline replacement and building component replacement),
- Upgrade/New – the activities to provide a higher level of service (e.g. adding drainage branches, replacing a pipeline with a larger size) or a new service that did not exist previously (e.g. a new drain).

It is important to monitor the service levels provided through regular customer dialogue as these will change. The current performance is influenced by work efficiencies and technology, and customer priorities will change over time. Review and establishment of the agreed position which achieves the best balance between service, risk and cost is essential.

LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the WCWRC plans to manage and operate the assets at the agreed levels of service while managing life cycle costs.

Background Data

County drains in Ypsilanti Township were mostly established between 1900 and the 1950s. Some pre-date this range and were inherited from the original Township jurisdiction common in the 1800s. A few were established more recently in the past 50 years.

Most importantly, drains have a wide range of easement access. Some drains have easements, others do not. Easement widths vary.

Budget

The chart below summarizes the proposed total Township budget for upcoming years, broken down into typical costs for the primary maintenance activity we normally perform as well as proposed activities. The chart includes sections outlining estimated regular (reactive) maintenance, preventative operations and maintenance activities, and proposed renewals. Please note, as a comparison, that the past four year overall average spending has been approximately \$705,000 with the Ypsilanti Township share constituting approximately \$323,000.

Table 3: Proposed Asset Management Plan

Year	Activity	Total Cost	Township share
2019	Regular maintenance (customer service requests)	\$415,000	\$124,500
	Proactive maintenance	\$89,750	\$65,750
	Renewals	\$222,500	\$127,250
	Initial inspection	\$31,500	\$11,000
		\$758,750	\$328,500
2020	Regular maintenance (customer service requests)	\$340,000	\$102,000
	Proactive maintenance	\$185,000	\$128,500
	Renewals	\$210,000	\$207,500
	Initial inspection	\$13,000	\$11,500
2021-2025	Regular maintenance (customer service requests)	\$325,000*	\$97,500*
	Proactive maintenance	\$151,750**	\$47,250**
	Renewals	\$925,000**	\$325,000**
	Initial inspection	\$16,500**	\$6,500**

*annual estimated costs

**total 4 year expenditures

Regular Maintenance

Reactive expenditures currently constitute the majority of our office’s efforts in Ypsilanti Township, consisting primarily of responding to service request calls. This category also includes post-storm event inspections in the urbanized areas of the township north of Ford Lake, where we maintain a large amount of infrastructure located within the public roadways. Many roadside inlet structures frequently need to be cleared of debris to allow for drainage, which our field operations performs on a seasonal or storm by storm basis depending on history.

Other reactive expenditures include instances where portions of the storm water management system fail and need immediate repair to make them operational again. This can include replacement of pipe sections in enclosed systems, and clearing/woody growth removal in the open channels.

Without an investment in drain renewal or pro-active maintenance, evidence strongly suggests that reactive maintenance costs will escalate within the next 10 years. Pipe failures at the Huron Center Commercial & Office Park Drain (Eagle Crest property), flooding issues within the Streamwood development, continued response to concerns at Partridge Creek, and others are indicators of aging storm water systems that are beginning to fail. Shifting the focus to pro-active measures now should result in reduced costs in reactive maintenance in the future, more than off-setting the additional investment of funds in the near term. An added benefit will be the reduction in unexpected expenditures and aid in budget forecasting.

Proactive Maintenance Plan

Operations include regular activities to provide services such as public health, safety and amenity, e.g. mowing, light cleaning and removal of minor debris that blocks flow at culvert crossings and inlets, and mechanical flushing/cleaning of the pipe network.

Maintenance includes all actions necessary for retaining an asset as near as practicable to an appropriate service condition including regular ongoing day-to-day work necessary to keep assets operating. The consequences of not performing recommended maintenance are a continuation of problems that are seen and heard about throughout the township for at least the past 20-30 years. There is additional risk of flooding along with continued standing water for longer periods of time, and the resident concerns such as mosquitos, loss of land use, impact to agriculture, etc.

Renewal/Replacement Plan

Renewal and replacement expenditures are major works which do not increase the asset's design capacity but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over and above restoring an asset to original service potential is considered to be an upgrade/expansion or new work expenditure resulting in additional future operations and maintenance costs.

Replacement, while not as preferable as ongoing maintenance, will lead to the drains having greatly reduced maintenance costs, generally just mowing or inlet and pipe cleaning.

Further refinement of prioritization can be attained to develop more systematic schedules and budgets for renewals (brushing and ditching, plus sumps), after some analysis of the inspection point data. Scoring systems with one or more factors are common. For example, sediment depths along multiple open drain segments is one factor that yields a score for a length of drain. For funding purposes, it might be beneficial to make sediment the only factor for a sediment specific linear score so nonpoint source projects and sediment removal can be prioritized. Our office is currently working to develop a scoring system that will flag infrastructure needing a closer look for programming decisions.

Summary of future renewal and replacement expenditure

The projected capital renewal and replacement program is shown in more detail in the attached appendix. This includes which specific county drains would be scheduled for renewal along with approximate costs of doing so. These systems were chosen based upon the volume of service requests, age and condition of the drain, and the overall consequences should the drain experience a failure. For example, there may be systems in wooded environments that do not cause extreme property or structural damage should the drain overflow its banks, while others in residential neighborhoods may cause flooding for the travelling public or on personal property.

It is assumed that open channels will not be replaced, and upgrades to capacity are not warranted due to downstream flow restrictions (road culverts) and a desire to improve infiltration hydrology, not capacity. It is further assumed that all the open channels are subject to renewal (brushing, ditching and sediment "dip outs").

Creation/Acquisition/Upgrade Plan

New works are those that create a new asset that did not previously exist, or works which will upgrade or improve an existing asset beyond its existing function or capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost.

While factored into the asset management plan, the creation of new infrastructure is not budgeted as currently the majority of new drains within the township are built and funded by private development. These include residential site condominiums and plats whereby the owner agrees to build the storm water management system for future inclusion into the county drainage network. However, every mile of new infrastructure increases long term maintenance needs.

While other new drains may be created, such as the Tyler Dam Drain, there are no future anticipated projects to budget at this time. This may be adjusted, however, if future needs are determined through conversations with the township.

Finally, the creation of new storm water management systems will necessitate adjustments to the preventative maintenance budget as those drains will also benefit from ongoing and periodic proactive work.

Summary of asset expenditure requirements

The financial projections from this asset plan are shown in the appendix for projected operating (operations and maintenance) and capital expenditure (renewal and upgrade/expansion/new assets). Note that all costs are shown in real values.

Ongoing operations and maintenance are generally within budget projections save minor growth over time in O&M compared to a flat budget. This represents a continuation of current O&M practices of both maintaining proactive and service request events within both the \$5,000 per mile limit and continuation of established tolerance for at large and parcel assessments.

Renewal projects would require petitioning or some other source of funding (e.g. grants) to complete.

Initial Inspection Plan

A portion of the Ypsilanti Township county drains have not been inspected, formally or informally, in a number of years. We proposed to use conditional assessment techniques to rate the present condition of these drains as a method to continually improve the action plan presented herein.

Conditional assessment ratings can be used to determine a probability of failure for a drainage system, which can be of great assistance in determining future renewal priorities. Knowing a rough risk of a storm management failure, however, cannot be the sole deciding factor for a plan of action. In some cases (i.e. natural areas, open spaces, easily accessible infrastructure, etc.) a failing drain will not have as severe consequences to the surrounding property or structures. For example, the consequence of a deep, large diameter urbanized drain collapsing versus an open channel becoming blocked within a nature preserve would cause major financial and property damage. A good asset management plan takes both the condition of the drain along its potential consequences as a result of failure to prioritize work.

Our inspection recommendations include evaluating the condition of some CMP (corrugated metal pipe) systems within the next 5 years. This is of note because several of the township's CMP drains are close to or exceed 50 years in age, which correlates to the life expectancy of the pipes and failures related to extensive rusting (deformed/crushed sections where the pipe can no longer support the overlying soils, "blowholes" and blockages due to voids forming, or root intrusion into the lines). The outcome of these inspections may impact the asset management program by introducing additional renewals that would need to be prioritized within the overall plan.

RISK MANAGEMENT PLAN

The purpose of infrastructure risk management is to document the results and recommendations resulting from the periodic identification, assessment and treatment of risks associated with providing services from infrastructure.

The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

Critical Assets

Critical assets are defined as those which have a high consequence of failure causing significant loss or reduction of service. Similarly, critical failure modes are those which have the highest consequences.

Critical assets have been identified and their typical failure mode and the impact on service delivery are as follows:

Table 4 - Critical Assets

Critical Asset(s)	Failure Mode	Impact
Segments adjacent to actively farmed land	Overflow and potential crop loss	Reactive mode and overtime. Deferred response elsewhere
Marginally operational tile in Agriculture areas	Blocked, collapsed	Inability to access during growing season
End sections at road crossings	Blockage, headwall and end section failure, erosion	Costly repairs limit ability to perform other maintenance due to spending limits.
Gravity main systems under or adjacent to roadways	"Blow hole" pipe collapses, sink holes at catch structure inlets	Potential structural damage to private property, restoration challenges

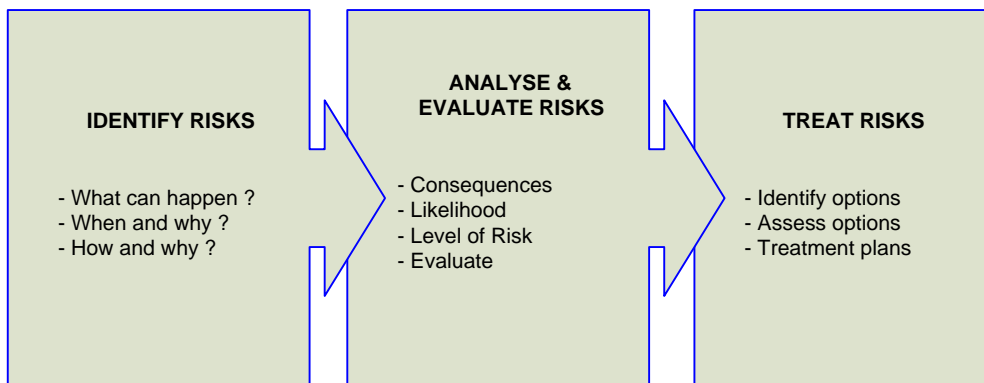
By identifying critical assets and failure modes investigative activities, condition inspection programs, maintenance and capital expenditure plans can be targeted at the critical areas.

Risk Assessment

The risk management process used in this project is shown in the figure below.

It is an analysis and problem solving technique designed to provide a logical process for the selection of treatment plans and management actions to protect the community against unacceptable risks.

Table 5 - Risk Management Process – Abridged



The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

An assessment of risks associated with service delivery from infrastructure assets has identified the critical risks that will result in significant loss, ‘financial shock’, or a reduction in service.

Service and Risk Trade-Offs

The decisions made in adopting this asset management plan are based on the objective to achieve the optimum benefits from the available resources.

What we cannot do

There are some operations and maintenance activities and capital projects that are unable to be undertaken within the next 10 years. These include:

- Stream bank stabilization to address morphological changes occurring. Watershed management planning and grant funding may improve abilities.
- Maintainable sediment storage throughout the planning area. Needs dictate we find the most easily achievable locations now and identify future locations for discussion and development. This would be a separate planning and engineering analysis.

Service trade-off

Operations and maintenance activities and capital projects that cannot be undertaken will maintain or create service consequences for users. These include:

- Flow limitations
- Increased sedimentation rates
- Continued phosphorus and nonpoint source loading

Risk trade-off

The operations and maintenance activities and capital projects that cannot be undertaken may maintain or create risk consequences. These include:

- Larger reactive maintenance in the future
- Inefficiencies in balancing reactive vs proactive maintenance
- Future TMDL

- Flooding
- Need for critical emergency response
- Property damage
- Road damage or accelerated failure

PLAN IMPROVEMENT AND MONITORING

Monitoring and Review Procedures

This asset management plan will be reviewed during annual budget planning processes and amended to show any material changes in service levels and/or resources available to provide those services as a result of budget decisions.

The AM Plan will be updated annually to ensure it represents the current service level, asset values, projected operations, maintenance, capital renewal and replacement, capital upgrade/new and asset disposal expenditures and projected expenditure values incorporated into the long term financial plan.

The AM Plan has a life of 4 years and is due for complete revision and updating within 2 years of each election cycle of the Ypsilanti Township board.

Performance Measures

The effectiveness of the asset management plan can be measured in the following ways:

- The degree to which the required projected expenditures identified in this asset management plan are incorporated into the long term financial plan,
- The degree to which 1-5 year detailed works programs, budgets, business plans and corporate structures take into account the 'global' works program trends provided by the asset management plan,
- The degree to which the existing and projected service levels and service consequences (what we cannot do), risks and residual risks are incorporated into the Strategic Plan and associated plans.

Key Assumptions made in AM Plan and Risks of Change

- Open channel conveyance systems do not have a defined useful life.
- Additions to the system would be limited or non-existent in the next 10 years.
- The Township's ability to absorb special assessments may be limited by their annual budget. This would affect the number and size of projects undertaken under the plan
- Some debt service, at least for the larger renewals, is likely needed to manage and optimize the risk-expenditure relationship.
- Risk is associated with probability of failure (condition related to debris jams and log jams) and consequence of failure (proximity to cropland subject to loss).

SUMMARY

Should you approve this initial pilot program, we would anticipate working with you over your next budget cycle to provide a 5-year program proposal that would start showing a noticeable change in several parts of the Township in four ways.

- Property being usable for more days of the year
- A reduction in depth and frequency of standing water and related public health issues in those drains where maintenance is performed
- Our drain clean out work will reduce the need for service calls in those areas, correspondingly reducing the Township's risk of extensive service.
- We would also anticipate a modest but noticeable improvement in property values over a 5-year timeframe of maintenance improvement (versus Band-Aids) as with any infrastructure that is visibly kept in good working order.

As the Board can imagine, these programmed expenditures would be subject to unusual weather such as heavy rains. As part of this arrangement, we would propose to check in with the Township on the actual expenditures before proceeding with larger proactive maintenance projects, again considering the flexibility of timing afforded by our differing budget cycles to stay within the total amount noted above.

Thank you for the opportunity to provide what would be a high value improvement to residents at a modest cost. As you are aware, property owners share in the costs of some special assessment work, and we have reviewed mock assessment rolls to ensure that there is no undue burden placed on property owners. These appear to be reasonably affordable projects when the costs are shared. The average one-time property owner share for clearing an open drain, for example, would be less than 10 dollars. Actual costs are correlated to acreage owned. In other communities we have found that property owners appreciate that the Township is also sharing in the cost, and as you may recall, the Road Commission and MDOT will contribute a share of the costs as well.

Next Steps

The following appendices contain specific action steps, some of which exceed the annual statutory spending limit of \$5000 per mile of drain. A resolution from Ypsilanti Township (which our office can draft) to exceed this limit would be required in such instances to authorize the work to proceed. As the intent of this plan is to be a collaborate effort between our offices, we would be pleased to present the overall asset management plan at your next township board meeting and/or working session in order to refine the objectives to best serve the township's priorities and budget. This interactive process may then defer or, in some cases, eliminate some items of work proposed while possibly providing new information to our office.

APPENDICES

Appendix A Proposed budget recommendations by drain/activity

	2019				
Activity	Name of Drain	Work proposed	Total cost	Twp %	Twp portion
<i>Reactive maintenance</i>	Various	Various	\$415,000	30*	\$124,500
<i>Proactive maintenance</i>	Willow Run	Clearing open channel	\$14,750	85	\$12,500
<i>Proactive maintenance</i>	Tyler Dam	Clearing open channel	\$5,000	35	\$1,750
<i>Proactive maintenance</i>	Various	Mowing program	\$15,000	43**	\$6,500
<i>Proactive maintenance</i>	Ypsilanti Township #1	Cleaning/vactoring	\$20,000	80	\$16,000
<i>Proactive maintenance</i>	Ypsilanti Township #8	Cleaning/vactoring	\$35,000	83	\$29,000
<i>Initial inspection</i>	Budd	Conditional assessment	\$9,500	35	\$3,250
<i>Initial inspection</i>	Oakland Estates Sub	Conditional assessment	\$22,000	35	\$7,750
<i>Renewal</i>	Beyer Relief	Catch structure rehabilitation	\$110,000	73	\$80,250
<i>Renewal</i>	Recreation Park Sub	Structures and sumps	\$97,500	35	\$34,000
<i>Renewal</i>	Ypsilanti Township #1 Consol.	Tree removal, root intrusions	\$15,000	86	\$13,000
			\$758,750		\$328,500

*Indicates an average apportionment of drains within Ypsilanti Township

**Indicates an average apportionment of mowed drains within Ypsilanti Township

	2020				
Activity	Name of Drain	Work proposed	Total cost	Twp %	Twp Portion
<i>Reactive maintenance</i>		Various	\$340,000	30*	\$102,000
<i>Proactive maintenance</i>	Gorton	Clearing open channel	\$42,500	35	\$15,000
<i>Proactive maintenance</i>	Derbyshire	Clearing open channel	\$6,000	35	\$2,000
<i>Proactive maintenance</i>	Various	Mowing program	\$16,500	47**	\$7,750
<i>Proactive maintenance</i>	Ypsilanti Twp #13	Cleaning/vactoring	\$85,000	90	\$76,500
<i>Proactive maintenance</i>	Ypsilanti Twp #13 Ext.	Cleaning/vactoring	\$35,000	78	\$27,250
<i>Initial inspection</i>	Ypsilanti Twp #7 Ext.	Conditional assessment	\$6,000	92	\$5,500
<i>Initial inspection</i>	Ypsilanti Twp #11	Conditional assessment	\$7,000	84	\$6,000
<i>Renewal</i>	North Ford Lake Consol.	Structures, eroded outfalls	\$195,000	100	\$195,000
<i>Renewal</i>	Ypsilanti Twp #10	Structures and gravity main	\$15,000	78	\$12,500
			\$748,000		\$449,500

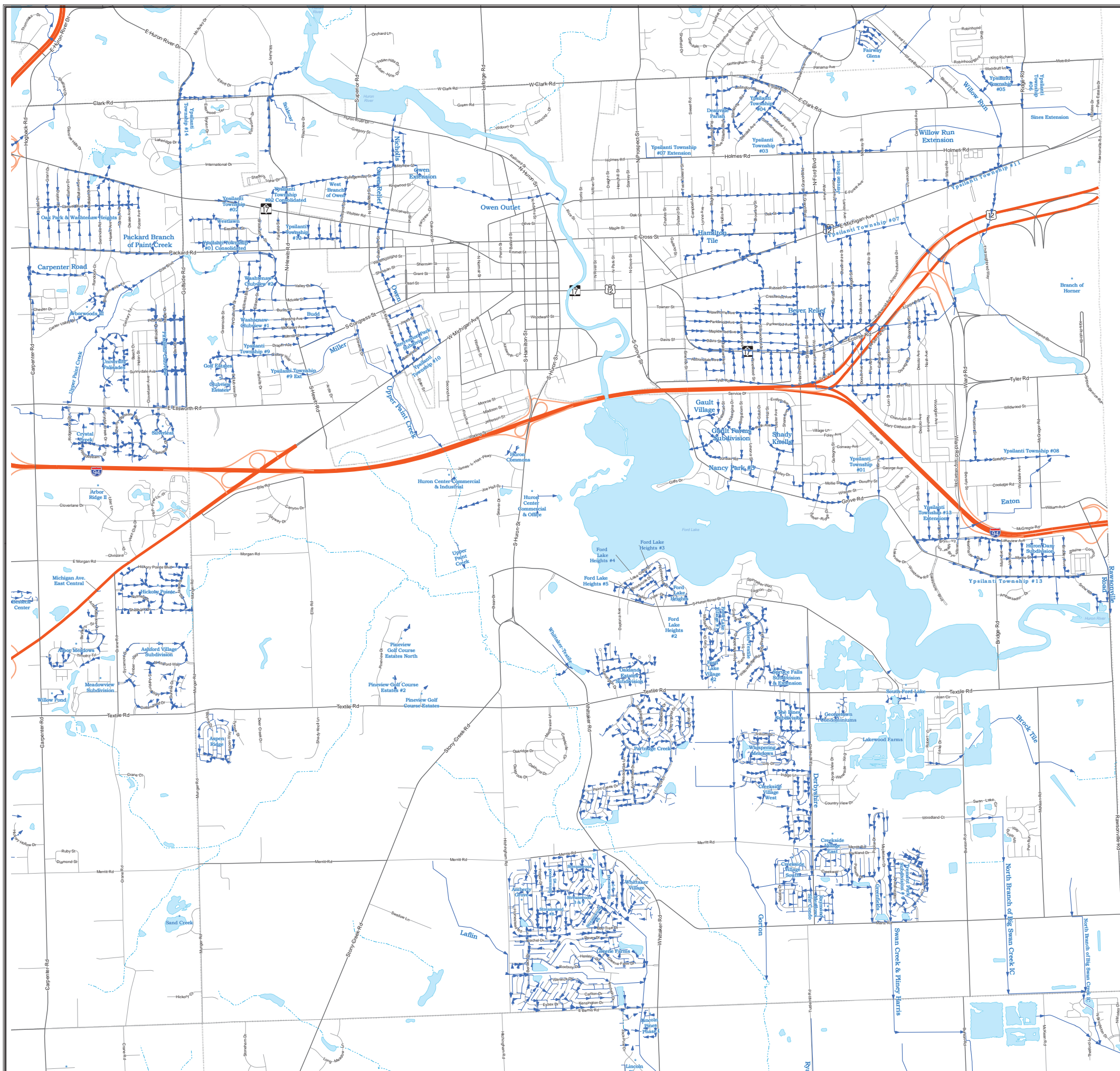
*Indicates an average apportionment of drains within Ypsilanti Township

**Indicates an average apportionment of mowed drains within Ypsilanti Township

	2021-2025				
Activity	Name of Drain	Work proposed	Total cost	Twp %	Twp Portion
<i>Reactive maintenance</i>		Various	\$325,000	30*	\$97,500
<i>Proactive maintenance</i>	N. Br. Big Swan Creek IC	Clearing open channel	\$22,500	5	\$1,250
<i>Proactive maintenance</i>	Brock	Clearing open channel	\$3,750	35	\$1,250
<i>Proactive maintenance</i>	Eaton	Clearing open channel	\$3,750	35	\$1,250
<i>Proactive maintenance</i>	Miller	Clearing open channel	\$7,500	30	\$2,250
<i>Proactive maintenance</i>	Sines Ext.	Clearing open channel	\$3,250	34	\$1,250
<i>Proactive maintenance</i>	Various	Mowing program	\$21,000	40**	\$8,500
<i>Proactive maintenance</i>	Wash-Clubview #1	Cleaning/vactoring	\$55,000	35	\$19,250
<i>Proactive maintenance</i>	Wash-Clubview #2	Cleaning/vactoring	\$35,000	35	\$12,250
<i>Initial inspection</i>	Ypsilanti Township #14	Conditional assessment	\$1,500	78	\$1,250
<i>Initial inspection</i>	The Pines Sub	Conditional assessment	\$15,000	35	\$5,250
<i>Renewal</i>	Smokler-Textile	Rear yard collection replacement	\$925,000	35	\$325,000
			\$1,418,250		\$476,250

*Indicates an average apportionment of drains within Ypsilanti Township

**Indicates an average apportionment of mowed drains within Ypsilanti Township






Ypsilanti Township County Drain Map

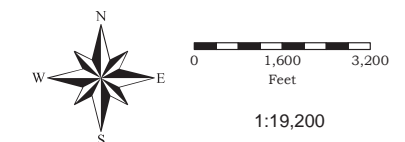
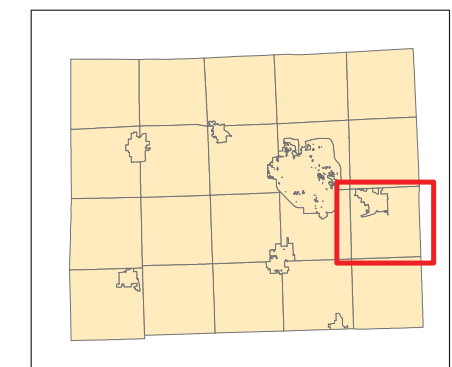


Evan N. Pratt P.E.
Washtenaw County
Water Resources
Commissioner

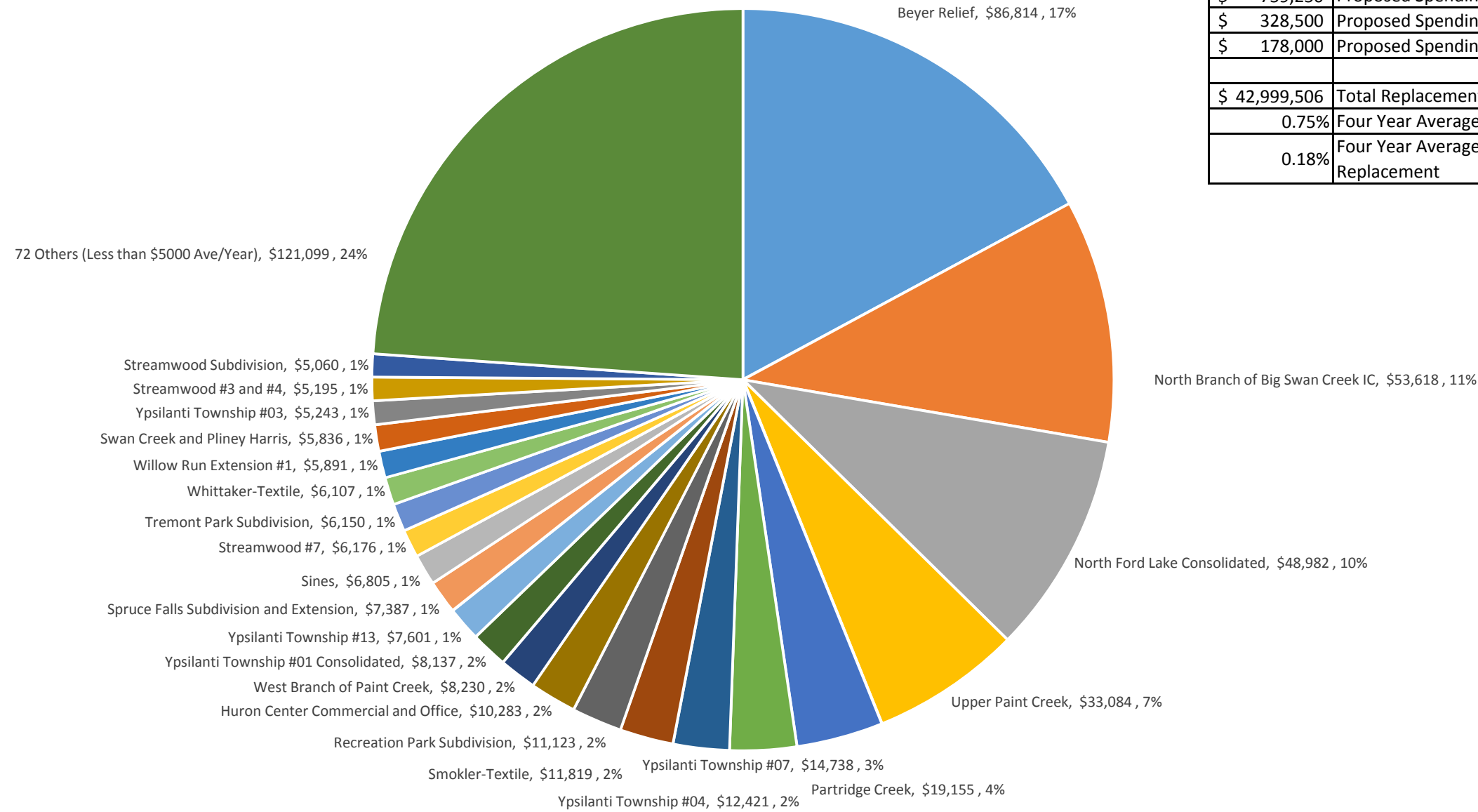
705 N. Zeeb Rd.
Ann Arbor, MI 48107
Ph: 734-222-6860
Fax: 734-222-6803
www.washtenaw.org/drains

Legend

-  Lakes
-  County Drain Systems
-  Waters of the State



YPSILANTI TOWNSHIP--DRAIN SPENDING FOUR YEAR AVERAGE (2015-2018)

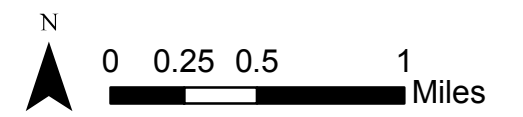
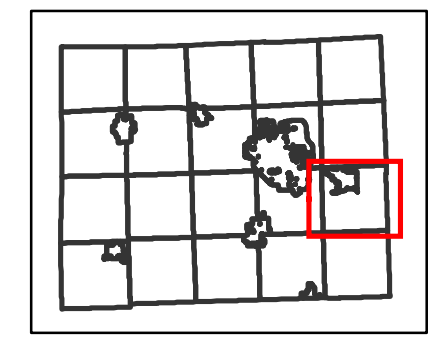
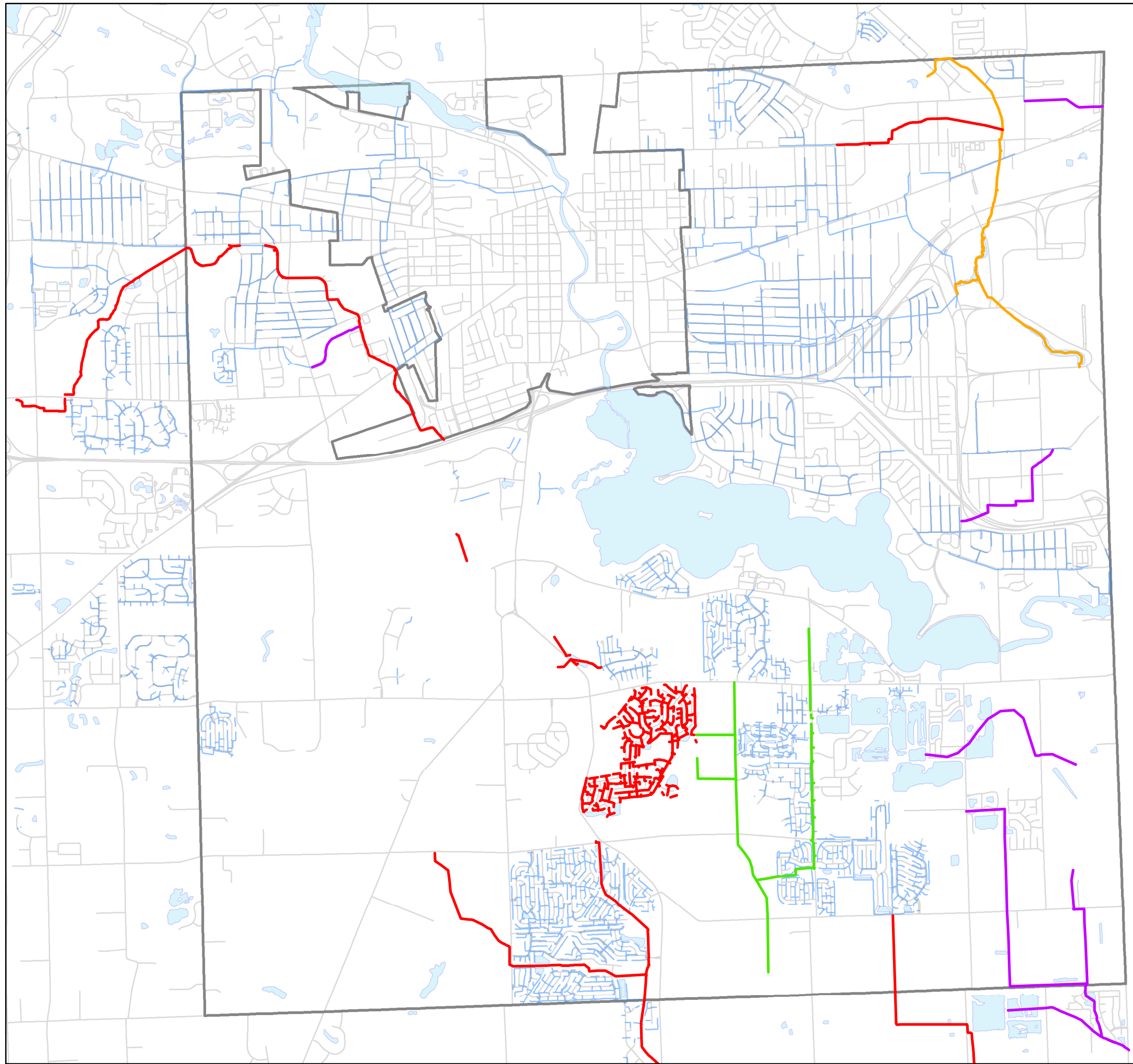


\$ 705,606	Four Year Average Spending (2015-2018)
\$ 322,744	Four Year Average Spending Ypsilanti Township Only
\$ 75,734	Four Year Average Spending Ypsilanti Township Property Owners
\$ 759,250	Proposed Spending 2019
\$ 328,500	Proposed Spending 2019 Ypsilanti Township Only
\$ 178,000	Proposed Spending 2019 Ypsilanti Township Property Owners
\$ 42,999,506	Total Replacement Value, refer to page 6
0.75%	Four Year Average Annual Ypsi Twp Spending to Total Replacement
0.18%	Four Year Average Annual Ypsi Twp Property Owners Spending to Total Replacement

Mowing Program Summary by Year







Ypsilanti Township

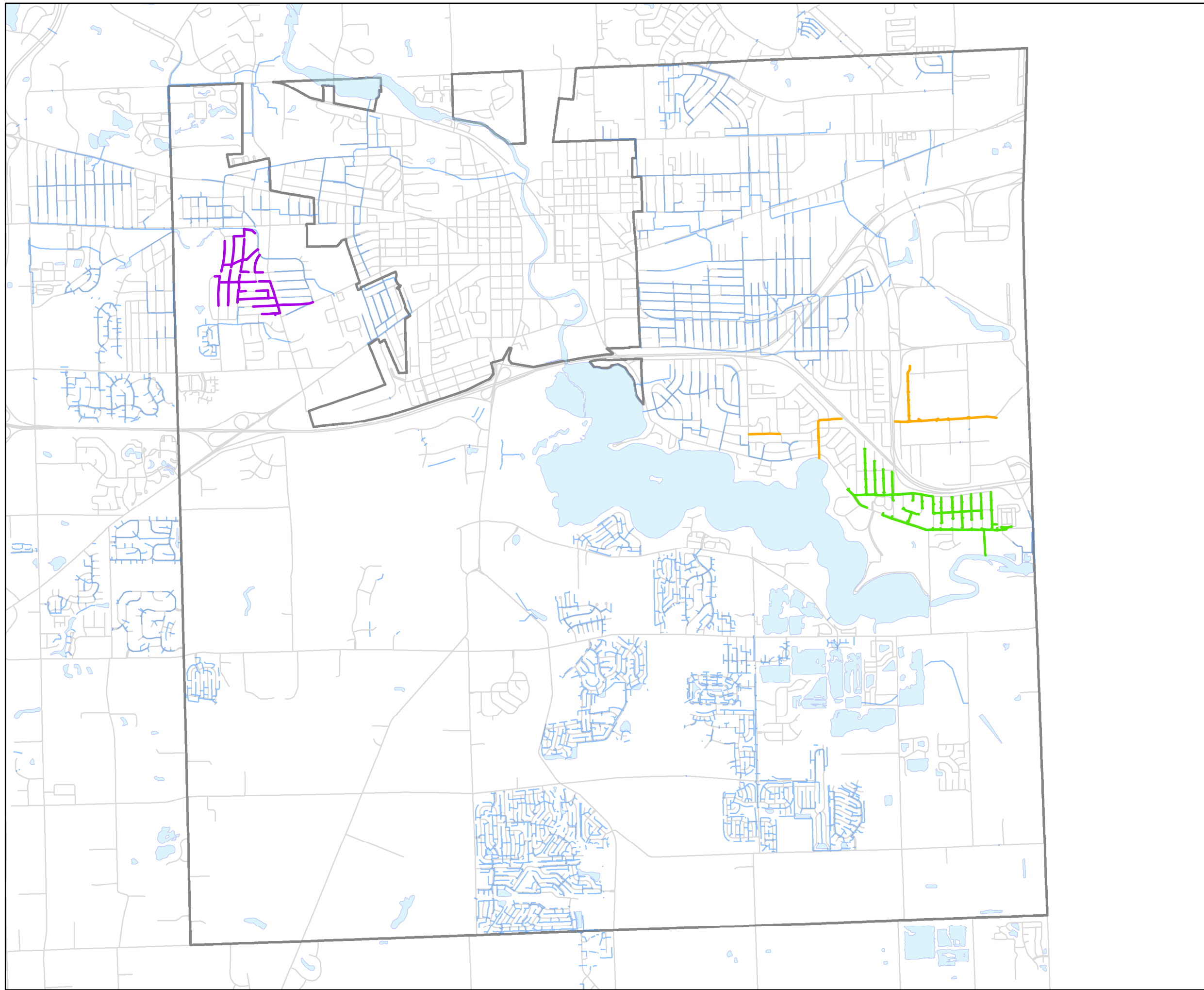
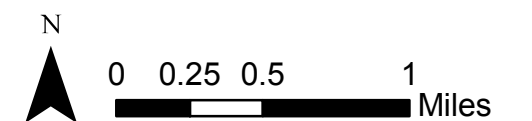
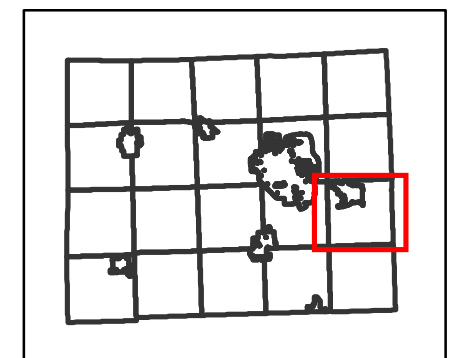
- Existing Mowing
- 2019
- 2020
- 2021-2025
- Water Bodies
- County Drain Systems
- Road Centerlines



Vector / Cleaning Summary by Year

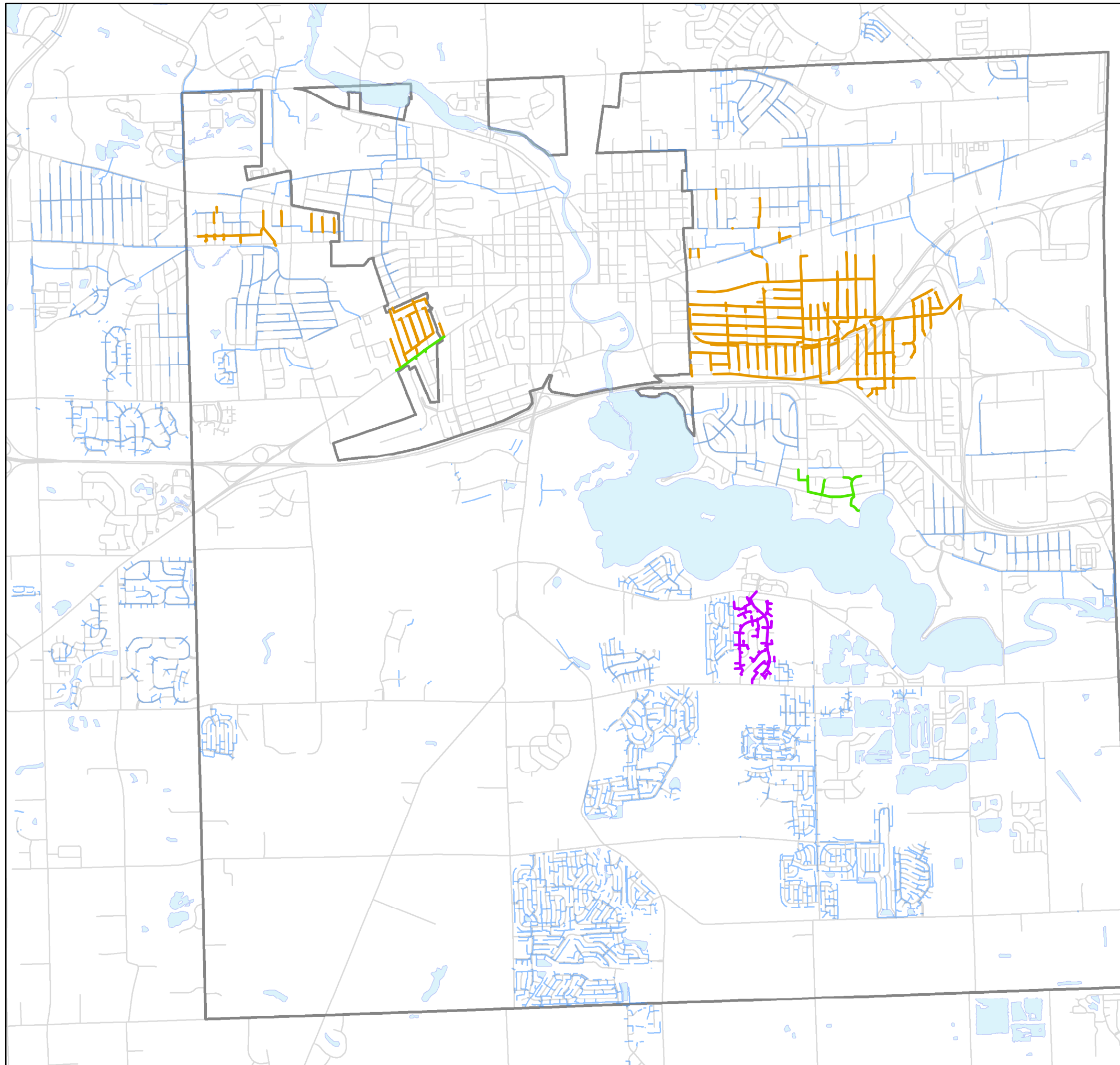
Ypsilanti Township







-  2019
-  2020
-  2021-2025
-  Water Bodies
-  County Drain Systems
-  Road Centerlines

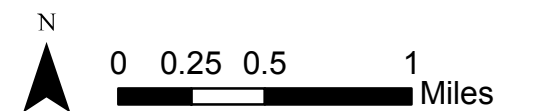
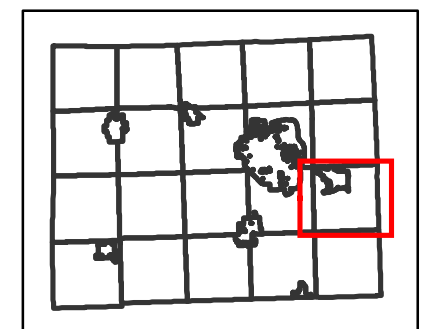


Renewal Summary

Ypsilanti Township

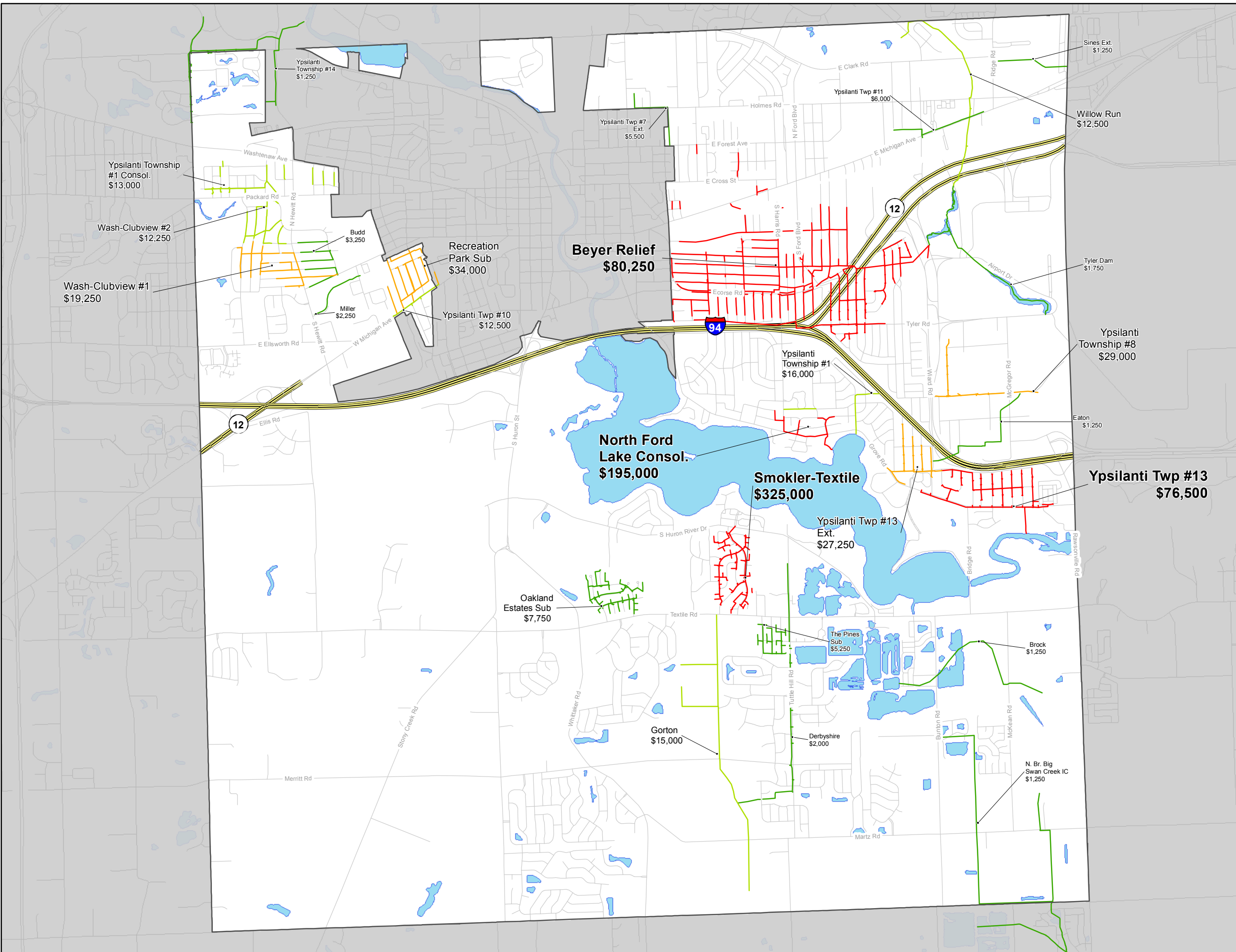


-  2019
-  2020
-  2021-2025
-  Water Bodies
-  County Drain Systems
-  Road Centerlines



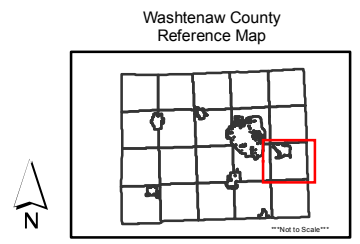
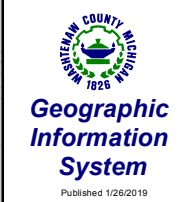
Ypsilanti Township Asset Management Plan

Total Proposed Spending Per Drain



Drain Projects Cost

- Low
- Moderate
- Medium
- Highest



CHARTER TOWNSHIP OF YPSILANTI

RESOLUTION 2019-11

RESOLUTION AUTHORIZING THE WATER RESOURCES COMMISSIONER TO EXCEED THE STATUTORY SPENDING AND ASSESSMENT LIMIT OF FIFTEEN THOUSAND DOLLARS (\$15,000.00) PER YEAR FOR THE MAINTENANCE AND REPAIR OF THE OAKLAND ESTATES SUBDIVISION DRAIN

WHEREAS, the Oakland Estates Subdivision Drain is a drain located in the municipality of the Charter Township of Ypsilanti, which drain was constructed in accordance with the Drain Code of 1956; and

WHEREAS, the Water Resources Commissioner is entrusted with the responsibility of ensuring proper maintenance and repairs are made to said drain; and

WHEREAS, the Water Resources Commissioner, pursuant to statute, has inspected the drain which inspection revealed that repair work is necessary inasmuch as said inspection identified the need for system wide condition assessment; and

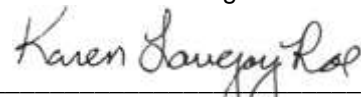
WHEREAS, the Water Resources Commissioner of Washtenaw County has estimated that the repair of the drain will be approximately twenty-three thousand two hundred dollars (\$23,200.00); and

WHEREAS, pursuant to the Drain Code of 1956, the Water Resources Commissioner cannot exceed the statutory spending limit of fifteen thousand dollars (\$15,000.00) for the maintenance and repair of the drain unless approved by a resolution of the Township Board; and

WHEREAS, the Water Resources Commissioner has requested the Township Board to pass such resolution authoring the office of the Water Resources Commissioner to exceed the statutory spending limit allowed on the Oakland Estates Subdivision Drain, to wit: fifteen thousand dollars (\$15,000.00) per year, so as to allow repair of said drain.

NOW THEREFORE, BE IT RESOLVED, that the Charter Township of Ypsilanti Board of Trustees for the municipality of the Charter Township of Ypsilanti hereby approved and authorizes the office of the Water Resources Commissioner to exceed the statutory spending limit of fifteen thousand dollars (\$15,000.00) per year for the repair of the Oakland Estates Subdivision Drain in the exceeded amount of eight thousand two hundred dollars (\$8,200.00).

I, Karen Lovejoy Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2019-11 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on March 19, 2019.



Karen Lovejoy Roe, Clerk
Charter Township of Ypsilanti

CHARTER TOWNSHIP OF YPSILANTI

RESOLUTION 2019-12

RESOLUTION AUTHORIZING THE WATER RESOURCES COMMISSIONER TO EXCEED THE STATUTORY SPENDING AND ASSESSMENT LIMIT OF FIFTEEN THOUSAND DOLLARS (\$15,000.00) PER YEAR FOR THE MAINTENANCE AND REPAIR OF THE RECREATION PARK SUBDIVISION DRAIN

WHEREAS, the Recreation Park Subdivision Drain is a drain located in the municipality of the Charter Township of Ypsilanti, which drain was constructed in accordance with the Drain Code of 1956; and

WHEREAS, the Water Resources Commissioner is entrusted with the responsibility of ensuring proper maintenance and repairs are made to said drain; and

WHEREAS, the Water Resources Commissioner, pursuant to statute, has inspected the drain which inspection revealed that repair work is necessary inasmuch as said inspection identified the need for renewal/repairs of system structures and sumps; and

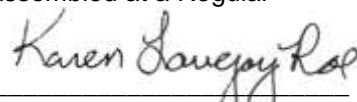
WHEREAS, the Water Resources Commissioner of Washtenaw County has estimated that the repair of the drain will be approximately ninety-eight thousand four hundred (\$98,400.00); and

WHEREAS, pursuant to the Drain Code of 1956, the Water Resources Commissioner cannot exceed the statutory spending limit of fifteen thousand dollars (\$15,000.00) for the maintenance and repair of the drain unless approved by a resolution of the Township Board; and

WHEREAS, the Water Resources Commissioner has requested the Township Board to pass such resolution authoring the office of the Water Resources Commissioner to exceed the statutory spending limit allowed on the Recreation Park Subdivision Drain, to wit: fifteen thousand dollars (\$15,000.00) per year, so as to allow repair of said drain.

NOW THEREFORE, BE IT RESOLVED, that the Charter Township of Ypsilanti Board of Trustees for the municipality of the Charter Township of Ypsilanti hereby approved and authorizes the office of the Water Resources Commissioner to exceed the statutory spending limit of fifteen thousand dollars (\$15,000.00) per year for the repair of the Recreation Park Subdivision Drain in the exceeded amount of eighty-three thousand four hundred dollars (\$83,400.00).

I, Karen Lovejoy Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2019-12 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on March 19, 2019.



Karen Lovejoy Roe, Clerk
Charter Township of Ypsilanti



February 27, 2019

Ms. Brenda Stumbo
Township Supervisor
Charter Township of Ypsilanti
7200 S. Huron River Drive
Ypsilanti, MI 48197

RE: Budget Amendment for Civic Center and Community Center Roof Replacement Assistance
Construction Services Amendment

Dear Ms. Stumbo:

As detailed in my memo dated January 16, 2019, an amendment to OHM services will be needed to cover the additional work being added to the contract and to also cover the additional work that was required to complete Change Order #1. On February 26, 2019 we meet with Supervisor Stumbo, Mike Radzik and Dave Bellers to discuss and review this amendment and coordinate roles on the upcoming project.

The original contract awarded to OHM covered both the Civic Center and the Community Center work. The original budget of \$16,520 for design and construction administration was exhausted by completing the two design projects (Civic Center and Community Center), administering the Community Center project and while working with the Township on a revised scope for the Civic Center including but not limited to, additional water testing that was performed.

We appreciate the opportunity to work on this project and while it has taken a while to get the Civic Center portion moving along, we are confident that we are all moving in the correct direction. We are happy to report that the Community Center Work was completed in 2018 and the contract is closed out. In this amendment, we have outlined the remaining scope and clarifications necessary to complete the Civic Center portion of this project.

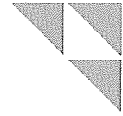
PROJECT UNDERSTANDING

The original project consisted of replacing roofs at both the Civic Center, located at 7200 S. Huron River Drive and the Community Center roof, located at 2025 E. Clark Road. The Community Center is complete, and that contract has been closed. This amendment outlines remaining and needed work to continue to administer the Civic Center Roof project. The existing budget has been exhausted between the oversight of the Community Center Roof as well as working with the Township on Change Order #1 and additional water testing that was requested after the award of the contract.

ASSUMPTIONS/CLARIFICATIONS

The same assumptions and clarifications apply to the amendment as the original proposal.

- ▼ Design and selection of roof systems and specifications were reviewed and approved by owner as basis of design and align with Capital Improvement Plan. Design of roof system not included in scope of work.
- ▼ It is anticipated that construction for this project will be completed in 2-3 weeks.



- ▼ OHM will be assigned a single point of contact for this project (Dave Bellers / Todd Barber)
- ▼ All other tasks added to the scope below can be conducted at an hourly rate or as negotiated between the Township and OHM Advisors (OHM). Additional work will not be conducted prior to Township authorization.

SCOPE

Our scope of professional services includes the following tasks:

Construction Administration & Field Observation

Construction administration services will begin immediately following the approval of Change Order #1 and this amendment. OHM will outline the progress of the project from contractor initiation to completion of final punch list items. Below is a list of remaining tasks to complete the work.

- ▼ Reinspection of materials that were previous purchased and delivered to the site and that are currently being stored off site
- ▼ Coordination, scheduling and conducting of a new preconstruction meeting.
- ▼ Monitor, evaluate and provide administrative action to achieve timely processing of shop drawings and product submittals.
- ▼ Provide timely responses to field questions, Request for Information (RFI's), Change Order requests and field memos.
- ▼ Perform an interim site visit to evaluate the contractor's progress and verify the contractor's request for payments (OHM estimates one (1) site visit over the 4-weeks in addition to the other visits outlined in this scope.
- ▼ Review contractor payments as work is completed.
- ▼ Perform a final site walk through and prepare and distribute a final punchlist when contractor has identified substantial completion.
- ▼ Finalize final contract paperwork necessary to close out the contract and recommend final acceptance to the Township.

REQUESTED AMMENDMENT TO OHM BUDGET

The above-mentioned services will be performed on an hourly not-to-exceed basis in accordance with the attached Standard Terms & Conditions for a fee broken down by project as follows. The fees below are based on our 2019 Hourly Rates. OHM Advisors will invoice the Charter Township of Ypsilanti for the above stated services on a monthly basis. **The requested budget amendment is estimated to be \$8,450.00.** This budget is based on the anticipated 2 to 3 weeks of construction of this project and the site visits as outlined above. Full-time inspection is not included in this scope and will be performed as needed by the building department. Additional inspection can be provided if requested on an hourly rate. Additional items not outlined in this proposal can added on a Time & Material basis (hourly).

The would bring the new total budget to \$24,970. We believe this budget will allow us to perform up to the level of service that the Township expects based on the Community Center Project and don't feel, based on our experience our original budget we had proposed would have allowed to be present enough to meet those expectations.

ACCEPTANCE

If this proposal is acceptable to you, a signature on the enclosed copy of this letter and initials on the contract terms and conditions will serve as our authorization to proceed.



Thank you for giving us the opportunity to continue to follow through on this project. We look forward to finishing this up in the early spring.

OHM ADVISORS
CONSULTANT

Charter Township of Ypsilanti
CLIENT

(Signature)

Brenda Stumbo

Matthew D. Parks, P.E.
(Name)

Ms. Brenda Stumbo

Principal in Charge
(Title)

Township Supervisor

(Date)

March 20, 2019

(Signature)

Karen Lovejoy-Roe

Christopher Ozog, AIA
(Name)

Ms. Karen Lovejoy-Roe

Studio Manager
(Title)

Township Clerk

(Date)

March 20, 2019

Charter Township of Ypsilanti
Proclamation

In Honor of
National Pollinator Week
June 16-22, 2019

WHEREAS the goal of BEE CITY USA is to promote healthy, sustainable habitats and communities for bees and other pollinators; and

WHEREAS bees and other pollinators around the globe have experienced dramatic declines due to a combination of habitat loss, use of pesticides and the spread of pests and diseases, with grave implications for the future health of flora and fauna; and

WHEREAS we all have the opportunity to support bees and other pollinators on both public and private land; and

WHEREAS supporting pollinators fosters environmental awareness and sustainability, and increases interactions among community stewards such as commercial and backyard beekeepers, farmers, children, educators, Master Naturalists, Master Gardeners, plant nurseries, municipalities, neighborhoods, and garden suppliers and clubs; and

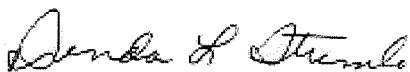
WHEREAS the economic benefits of bee-friendliness are many;

WHEREAS Ypsilanti Township continues to promote and support our pollinators by building and creating new habitats on Township property as well as by partnering with residents to create habitats on their property; and

WHEREAS we are also reminding residents to remain “bee friendly” by painting our trash barrels in our park system yellow with a bee on them;

NOW THEREFORE BE IT RESOLVED, that the Charter Township of Ypsilanti Board of Trustees does hereby proclaim the week of June 16-22, 2019 NATIONAL POLLINATOR WEEK in Ypsilanti Township and we encourage all citizens to obtain and share information about the proper uses of fertilizers in order to ensure a healthy future for all.

Dated and signed this 19th day of March, 2019



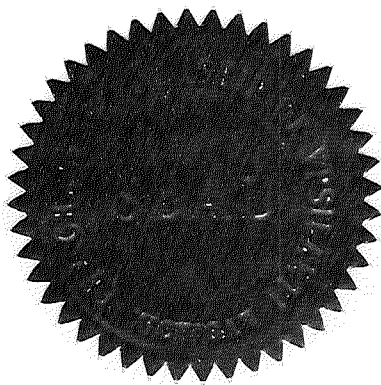
Brenda L. Stumbo, Supervisor



Karen Lovejoy Roe, Clerk



Larry J. Doe, Treasurer

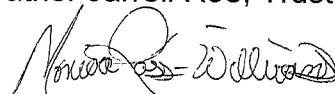




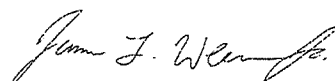
Stan Eldridge, Trustee



Heather Jarrell Roe, Trustee



Monica Ross-Williams, Trustee



Jimmie Wilson, Jr., Trustee

**CHARTER TOWNSHIP OF YPSILANTI
2019 BUDGET AMENDMENT #5**

March 19, 2019

AMOUNTS ROUNDED UP TO THE NEAREST DOLLAR

101 - GENERAL OPERATIONS FUND

Total Increase \$9,547.00

Request to increase budget for PTO payout at 75% of the hours requested. This will be funded by an Appropriation of Prior Year Fund Balance.

Revenues:	Prior Year Fund Balance	101-000-000-699.000	\$1,097.00
		Net Revenues	<u><u>\$1,097.00</u></u>
Expenditures:	Salaries Pay Out - PTO & Sick	101-201-000-708.004	\$1,019.00
	FICA	101-201-000-715.000	\$78.00
		Net Expenditures	<u><u>\$1,097.00</u></u>

Request to increase budget for OHM to preform professional services for the Civic Center Roof project. This will be funded by an Appropriation of Prior Year Fund Balance.

Revenues:	Prior Year Fund Balance	101-000-000-699.000	\$8,450.00
		Net Revenues	<u><u>\$8,450.00</u></u>
Expenditures:	Civic Center Roof	101-970-000-975.141	\$8,450.00
		Net Expenditures	<u><u>\$8,450.00</u></u>

266 - LAW ENFORCEMENT FUND

Total Increase \$6,103.00

Request to increase budget for PTO payouts at 75% of the hours requested. This will be funded by an Appropriation of Prior Year Fund Balance.

Revenues:	Prior Year Fund Balance	266-000-000-699.000	\$6,103.00
		Net Revenues	<u><u>\$6,103.00</u></u>
Expenditures:	Salary-Pay Out	266-301-000-708.004	\$3,280.00
	FICA&Medicare	266-301-000-715.000	\$251.00
	Salary-Pay Out	266-304-000-708.004	\$2,389.00
	FICA&Medicare	266-304-000-715.000	\$183.00
		Net Expenditures	<u><u>\$6,103.00</u></u>

Motion to Amend the 2019 Budget (#5)

Move to increase the General Fund budget by \$9,547 to \$9,537,555 and approve the department line item changes as outlined.

Move to increase the Law Enforcement Fund budget by \$6,103 to \$7,680,157 and approve the department line item changes as outlined.