



# City of Appleton

100 North Appleton Street  
Appleton, WI 54911-4799  
[www.appleton.org](http://www.appleton.org)

## Meeting Agenda - Final Utilities Committee

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Tuesday, December 12, 2017

5:00 PM

Council Chambers, 6th Floor

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1. Call meeting to order

2. Roll call of membership

3. Approval of minutes from previous meeting

[17-1921](#) Approval of the November 7, 2017 Utilities Committee Meeting minutes.

**Attachments:** [November 7, 2017 Utilities Committee Meeting Minutes.pdf](#)

4. **Public Hearings/Apearances**

5. **Action Items**

[17-1922](#) CRITICAL TIMING - Award 2017F Evergreen Drive and Alvin Street Stormwater Management Design and Permitting, in an amount not to exceed \$59,700 with McMahon Associates, Inc.

**Attachments:** [2017 Evergreen Alvin DESIGN Contract Award.pdf](#)

[17-1923](#) Approve modifications to Municipal Code, Chapter 20 Section 20-237, regarding Bed & Breakfast Classification and minimum charges.

**Attachments:** [Stormwater - 20-237 changes.pdf](#)

[17-1924](#) Award 2018 Stormwater Management Plan Review to raSmith in an amount not to exceed \$50,000.

**Attachments:** [2018A SWM Plan Review Memo Util Cmte.pdf](#)

[17-1925](#) Approve updated Water Leak Policy based on feedback from the Public Service Commission.

**Attachments:** [Water Leak Policy 6-22-17 \(strike bold\).pdf](#)

[Water Leak Policy 6-22-17 \(clean copy\).pdf](#)

[PSC page X-4.pdf](#)

**6. Information Items**[17-1926](#)

Award Appleton Wastewater Treatment Iron Salt Room Rehabilitation Project to August Winter & Sons, Inc. Construction in the amount of \$398,575 with a 15% contingency of \$59,786 for a project total not to exceed \$458,361. This item was an Action Item at the December 6, 2017 Finance Committee Meeting.

**Attachments:** [AWWTP Iron Salt Room Rehab Contract.pdf](#)

[17-1927](#)

Stormwater Projects Update.

**Attachments:** [December 12 2017 Util Com Update Final.pdf](#)

[17-1928](#)

Monthly Reports for October 2017  
- Water Distribution and Meter Team Monthly Report

**Attachments:** [Water Meter Team Reports October.pdf](#)

**7. Adjournment**

*Notice is hereby given that a quorum of the Common Council may be present during this meeting, although no Council action will be taken.*

*Reasonable Accommodations for Persons with Disabilities will be made upon Request and if Feasible.*

*For questions on the agenda, contact Chris Shaw at 920-832-5945 or Paula Vandehey at 920-832-6474.*



# City of Appleton

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## Meeting Minutes Utilities Committee

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Tuesday, November 7, 2017

5:00 PM

Council Chambers, 6th Floor

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1. Call meeting to order

*Chairperson Dannecker called the Utilities Committee meeting to order at 5 p.m.*

2. Roll call of membership

**Present:** 5 - Dannecker, Baranowski, Meltzer, Reed and Dvorachek

3. Approval of minutes from previous meeting

[17-1731](#)

Approval of the October 24, 2017 Utilities Committee Meeting minutes.

**Attachments:** [October 24, 2017 Utilities Committee Meeting minutes.pdf](#)

**Baranowski moved, seconded by Reed, that the Minutes be approved. Roll Call. Motion carried by the following vote:**

**Aye:** 5 - Dannecker, Baranowski, Meltzer, Reed and Dvorachek

4. Public Hearings/Appearances

5. Action Items

[17-1746](#)

Approve Memorandum of Agreement with Wisconsin Department of Transportation for WIS 441/Oneida Street Stormwater Pond.

**Attachments:** [Util Memo Memorandum of Understanding 441 Pond Approval 11-01-2017 final.pdf](#)  
[FINAL WIS 441 Pond #5 MOA.pdf](#)

**Baranowski moved, seconded by Dvorachek, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:**

**Aye:** 5 - Dannecker, Baranowski, Meltzer, Reed and Dvorachek

6. Information Items

[17-1732](#)

Discuss the results of the stormwater management analysis and alternatives development for the Evergreen Drive and Alvin Street reconstruction project developed by McMahon Associates.

*This item was presented.*

[17-1733](#)

2018-2019 Joint Chemical Consortium Quotation Awards

**Attachments:**     [2018-2019 Chemical Award Memo to UC 110717.pdf](#)

*This item was presented.*

## 7.     Adjournment

**Baranowski moved, seconded by Dvorachek, that the Utilities Committee be adjourned at 5:20 p.m. Roll Call. Motion carried by the following vote:**

**Aye:**   5 -   Dannecker, Baranowski, Meltzer, Reed and Dvorachek

## Department of Public Works – Engineering Division

### MEMO

**TO:** Utilities Committee

**FROM:** Paula Vandehey, Director of Public Works  
Sue Olson, Staff Engineer  
Pete Neuberger, Staff Engineer

**DATE:** December 1, 2017 \*CRITICAL TIMING\*

**RE:** Award of 2017F Evergreen Drive and Alvin Street Stormwater Management Design and Permitting, in an amount not to exceed \$59,700, with McMahon Associates, Inc.

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The Department of Public Works is requesting approval of the 2017F Evergreen Drive and Alvin Street Stormwater Management Design and Permitting contract with McMahon Associates, Inc. in an amount not to exceed \$59,700.

In June the Utilities Committee and Common Council approved a contract with McMahon Associates for Stormwater Management Alternatives Evaluation for the urbanization of Evergreen Drive and Alvin Street. On November 12, staff presented one of the alternatives developed by McMahon for discussion purposes. That alternative and two others remain viable options and discussions are continuing with Pathways Church on the available options.

The scope of services for the Design and Permitting contract includes the following:

- Assist the City with selecting an alternative for stormwater management. This includes modifying Alternative 5, up to three meetings with City staff and Pathways Church, and creating another alternative that combines pieces of current alternatives.
- Design the selected alternative, including preparing plans and specifications for bidding and construction.
- Update the XPSWMM and WinSLAMM models with the designs
- Meet with WDNR and other agency staff.
- Obtain permits from the WDNR, WDOT, and Town of Grand Chute
- Prepare an Operations and Maintenance Plan

- Preparation of a report and cost estimates
- Construction Related Services, including attending the pre-construction conference and calculation of earthwork quantities.

Since the design scope of the stormwater practice selected to address the runoff could not be accurately identified in the RFP process, the Request for Proposals stated, “*Upon successful completion of the evaluation and alternative selection, the Department of Public Works anticipates negotiating a contract with the same consultant for the design and construction activities without an RFP process.*” Also, the award of the contract in June stated “*Award of 2017D Evergreen Drive and Alvin Street Stormwater Management Alternatives Evaluation, in an amount not to exceed \$34,840, and authorization to single source the future design contract and construction related services contract, with McMahon Associates, Inc.*”. Therefore, the Department of Public Works is requesting approval of the 2017F Evergreen Drive and Alvin Street Stormwater Management Design and Permitting, in an amount not to exceed \$59,700, with McMahon Associates, Inc.

**AN ORDINANCE AMENDING SECTION 20-237 OF CHAPTER 20 OF THE MUNICIPAL CODE OF THE CITY OF APPLETON, RELATING TO CUSTOMER CLASSIFICATION.**

(Municipal Services Committee – XX-XX-XX (Date))

The Common Council of the City of Appleton does ordain as follows:

**Section 1:** That Section 20-237 of Chapter 20 of the Municipal Code of the City of Appleton, relating to customer classification, is hereby amended to read as follows:

**Sec. 20-237. Customer classification.**

(a) For purposes of imposing the stormwater charges, all lots and parcels within the City are classified as follows:

ERUs imposed		
Classification	Public Road	Private Road
Single Family	1	1
Detached Individual Condominiums	1	1
Duplex	.5/unit	1/unit
Duplex Condominiums	.5/unit	1/unit
Multifamily Condominiums	Actual impervious area of the property using aerial photography	
Mobile Homes	.5/unit	1/unit
Bed & Breakfast (fewer than 5 units)	1	1
<del>Bed &amp; Breakfast (5 units or more)</del>	<del>.5/unit</del>	<del>1/unit</del>
Multifamily rental	Actual impervious area of the property using aerial photography	
Non-Residential and Multi-Use	One (1) ERU, multiplied by the numerical factor obtained by dividing the total impervious area of a non-residential property by the square footage of one (1) ERU, rounded down to the nearest one-tenth (0.1), i.e.:  ERU rate x $\frac{\text{impervious area}}{\text{ERU}}$	One (1) ERU, multiplied by the numerical factor obtained by dividing the total impervious area of a non-residential property by the square footage of one (1) ERU, rounded down to the nearest one-tenth (0.1), i.e.:  ERU rate x $\frac{\text{impervious area}}{\text{ERU}}$

**ERUs imposed**

<b>Classification</b>	<b>Public Road</b>	<b>Private Road</b>
Undeveloped	One (1) ERU multiplied by a factor established by resolution then divided by the square footage for one (1) ERU established by resolution	One (1) ERU multiplied by a factor established by resolution then divided by the square footage for one (1) ERU established by resolution

(b) The Director shall prepare a list of lots and parcels within the City of Appleton and assign a classification to each lot or parcel.

(c) The average square footage of impervious area of ERU is established to be equivalent to 2,368 square feet.

(d) The Director shall be responsible for determining the impervious area based on the best available information, including, but not limited to, data supplied by the City Assessor, aerial photography, the property owner, tenant or developer. The Director may require additional information as necessary to make the determination. The billing amount shall be updated by the Director based on the building permit process and/or best available information.

(e) All unoccupied developed lots and parcels shall be subject to the stormwater utility charges.

~~(f) The minimum charges for any parcel shall be equal to the rate of four tenths (0.4) of one (1) ERU.~~

**Section 2:** This ordinance shall be in full force and effect from and after its passage and publication.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy M. Hanna, Mayor

\_\_\_\_\_  
Kami Lynch, City Clerk

J:\Attorney\WORD\Jamie\Ordinances\2017Ords\Stormwater - 20-237 changes.doc



## Department of Public Works – Engineering Division

### MEMO

**TO:** Utilities Committee

**FROM:** Paula Vandehey, Director of Public Works  
Pete Neuberger, Staff Engineer  
Sue Olson, Staff Engineer

**DATE:** December 1, 2017

**RE:** Award 2018 Stormwater Management Plan Review to raSmith in an amount not to exceed \$50,000.

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The Department of Public Works is requesting approval to contract with raSmith for 2018 Stormwater Management Plan Reviews in an amount not to exceed \$50,000. This request is being brought forward now so that contracts can be signed and any submittals received in early January 2017 can be reviewed in a timely manner.

In November 2016, Utilities Committee and Common Council approved an extension of the Stormwater Management Plan review contract with raSmith through 2018 based on the latest RFP process and satisfactory performance. Over the last year, raSmith has provided a high level of expertise and customer service. They have demonstrated excellent working knowledge of the City ordinance, State regulations, and the latest stormwater modeling software, and consistently offer thoughtful approaches to understanding the varied needs of our community. They have also worked effectively with new engineering graduates at several firms submitting plans for review.

The Jones Park and Rocky Blieir Run projects are still in the design phase. These projects are in the same drainage basin as the Exposition Center and the Outagamie County Administration Building Expansion projects. raSmith is providing coordination of modeling for quantity control and understanding of street flooding impacts from these projects to determine when storm sewer improvements need to be implemented. These projects will also require review and possible stormwater model updates of the as-built conditions.

This scope of work under this contract includes reviewing stormwater management plans for site plans and subdivisions submitted under the ordinance, meeting with developers and their consultants, answering design and regulatory questions for consultants and City staff, and providing modeling assistance as needed to consultants and City staff. The amount of work will vary based on the quantity and quality of submittals received for review. Actual costs will be charged to the City on a time and material basis.

Based on the approvals received in 2017 and continued exceptional performance by raSmith, the Department of Public Works requests authorization to contract with raSmith for 2018 Stormwater Management Plan Review in an amount Not to Exceed \$50,000. DPW anticipates issuing a Request for Proposals for Stormwater Management Plan Review in fall 2018 for work beginning in 2019.

**DEPARTMENT OF PUBLIC WORKS**  
**Engineering Division**  
**100 North Appleton Street**  
**Appleton, WI 54911**  
**(920) 832-6474**  
**FAX (920) 832-6489**

Revised Date: June 14~~22~~, 2017

## **WATER LEAK POLICY**

### **BEFORE THE METER**

It is the sole responsibility of the property owner to maintain their water service and to ensure it is in proper working order and free of leaks. Water losses (leaks) that occur between the City connection (curb stop) and the water meter shall be the responsibility of the customer or the owner of the property.

Once a leak has been identified, the Water Utility will issue the property owner a 30 day notice to repair the water service unless the leak presents a risk to the public's health, safety or welfare. If the service is not repaired within the 30 days, the property owner will receive a 10 day final notice to repair the water service. If the service has not been repaired after the 10 days, the water service will be disconnected per Wisconsin Public Service Commission (PSC) Code 185.37 until the proper repairs have been made. The Water Utility may grant an extension for good cause provided the leak does not pose a risk to the public's health, safety or welfare.

Water loss incurred after expiration of the 30 day notice may be subject to water loss charges. The charges will be determined based on an estimated water loss calculation performed by the Water Utility and will be billed at the current filed rates.

### **AFTER THE METER**

Water losses (leaks) that occur on the premises, which are registered by the water meter, shall be the responsibility of the customer or the owner of the property. It is the sole responsibility of the customer to monitor their metered water and prevent leakage in all piping and fixtures on the premises at and beyond the metering point. The Utility shall inform each customer once per year of this responsibility and to inform them that any leaks or other losses of water registered by the meter will be billed at the filed rates.

Prior to requesting a bill adjustment for consideration, the following conditions shall be met:

1. Property shall be a residential property with 3 living units or less (100# accounts).
- ~~1.2. Customer had an active water customer portal account prior to the leak event.~~
- ~~2.3. Customer shall contact the Water Utility to schedule a one (1) hour appointment for a water meter technician to help identify or verify the possible leak(s). This will include an in-house inspection as well as reviewing the consumption history for the property.~~
4. The meter shall be tested by Water Utility personnel and witnessed by the customer at the Water Utility test lab.
- ~~3.5. The excess water volume for the billing period shall be at least three (3) times the average usage over the previous four quarters, but not less than a 10,000 gallon increase.~~
6. Customer may be required to submit the claim of loss and/or damage to the customer's property insurer (e.g. homeowner's insurance) and, if denied, provide the City written evidence of the denial.
- ~~4.7. Customer shall provide documentation that the plumbing or appliance at point of water leak has been repaired.~~
- ~~5. The excess water volume for the billing period shall be at least three (3) times the average usage over the previous four quarters, but not less than a 10,000 gallon increase.~~
- ~~6.8. Customer shall provide a written request to the Water Utility for a bill adjustment, explaining the details of the loss, and justification for the water bill adjustment and the date the property was last occupied or inspected by the owner. Pictures will be required for any sewer credit requests to verify the water did not enter the sewer system. Written request shall be received by the Water Utility within 120 days of the bill date in question.~~

If all of the above conditions have been met, the ~~Utilities Committee~~ Public Works and Finance Director, or their designee, may consider ~~will jointly determine whether if~~ a bill adjustment is appropriate.

Since any credit(s) issued will directly impact all of the Water Utility customers, consideration may be based on whether or not the leak may have resulted from neglect or carelessness of the owner, agent or tenant. Any credit(s) issued will be per PSC Regulations.

- ~~A. Per PSC 185.35, the Water Utility may adjust the rate charged per gallon but is not allowed to adjust the metered consumption. Therefore, a billing adjustment can be made down to the lowest City of Appleton customer rate on file with the Water Utility for the entire excess water volume.~~
- ~~B. Per PSC 185.36(6), no water bill adjustment shall be made for water supplied after the customer has been notified of the excessive usage. Notifications may include receipt of a water bill showing excessive water usage, notice by the Water Utility of a high consumption, or other notice.~~
- ~~C. The Water Utility may provide an extended payment plan, if desired by the customer.~~



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## **DEPARTMENT OF PUBLIC WORKS**

**Engineering Division  
100 North Appleton Street  
Appleton, WI 54911  
(920) 832-6474  
FAX (920) 832-6489**

Revised Date: June 22, 2017

# **WATER LEAK POLICY**

## **BEFORE THE METER**

It is the sole responsibility of the property owner to maintain their water service and to ensure it is in proper working order and free of leaks. Water losses (leaks) that occur between the City connection (curb stop) and the water meter shall be the responsibility of the customer or the owner of the property.

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Water loss incurred after expiration of the 30 day notice may be subject to water loss charges. The charges will be determined based on an estimated water loss calculation performed by the Water Utility and will be billed at the current filed rates.

## **AFTER THE METER**

Water losses (leaks) that occur on the premises, which are registered by the water meter, shall be the responsibility of the customer or the owner of the property. It is the sole responsibility of the customer to monitor their metered water and prevent leakage in all piping and fixtures on the premises at and beyond the metering point. The Utility shall inform each customer once per year of this responsibility and to inform them that any leaks or other losses of water registered by the meter will be billed at the filed rates.

Prior to requesting a bill adjustment for consideration, the following conditions shall be met:

1. Property shall be a residential property with 3 living units or less (100# accounts).
2. Customer had an active water customer portal account prior to the leak event.
3. Customer shall contact the Water Utility to schedule a one (1) hour appointment for a water meter technician to help identify or verify the possible leak(s). This will include an in-house inspection as well as reviewing the consumption history for the property.
4. The meter shall be tested by Water Utility personnel and witnessed by the customer at the Water Utility test lab.
5. The excess water volume for the billing period shall be at least three (3) times the average usage over the previous four quarters, but not less than a 10,000 gallon increase.
6. Customer may be required to submit the claim of loss and/or damage to the customer's property insurer (e.g. homeowner's insurance) and, if denied, provide the City written evidence of the denial.
7. Customer shall provide documentation that the plumbing or appliance at point of water leak has been repaired.
8. Customer shall provide a written request to the Water Utility for a bill adjustment, explaining the details of the loss, justification for the water bill adjustment and the date the property was last occupied or inspected by the owner. Written request shall be received by the Water Utility within 120 days of the bill date in question.

If all of the above conditions have been met, the Public Works and Finance Director, or their designee, will jointly determine if a bill adjustment is appropriate.

Since any credit(s) issued will directly impact all of the Water Utility customers, consideration may be based on whether or not the leak may have resulted from neglect or carelessness of the owner, agent or tenant. Any credit(s) issued will be per PSC Regulations.

## **RATE FILE**

Sheet No. 1 of 1

Schedule No. X-4

## **Public Service Commission of Wisconsin**

Amendment No. 65

## **City of Appleton Water Utility**

### **WATER CUSTOMER SUPPLEMENTAL RULES**

#### Compliance with Rules

All persons now receiving water service from this water utility, or who may request service in the future, shall be considered as having agreed to be bound by the rules and regulations as filed with the Public Service Commission of Wisconsin.

#### Charges for Water Wasted Due to Leaks

Pursuant to Wis. Admin. Code § 185.35(6) and the utility's policy, when a leak unknown to the customer is found in an appliance or the plumbing, the utility shall estimate the water wasted due to the leak and bill for this excess usage at a reduced rate not less than the utility's cost. If this provision applies, the utility shall bill the customer for excess usage at the lowest volumetric rate in the utility's Schedule Mg-1, General Service – Metered. No additional adjustments shall be made for water supplied after the customer has been notified of the leak and has had an opportunity to correct the condition.

#### Thawing Frozen Service Laterals

See Wis. Admin. Code § PSC 185.88.

#### Deferred Payment Agreement

See Wis. Admin. Code § PSC 185.38.



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Department of Utilities  
Wastewater Treatment Plant  
2006 E Newberry Street  
Appleton, WI 54915-3128  
920-832-5945 tel.  
920-832-5949 fax

**To:** Chairperson Kathy Plank and Members of the Finance Committee

**From:** Utilities Deputy Director, Chris Stempa

**cc:** Chris Shaw, Utilities Director; Robert Kennedy Wastewater Plant Operations Supervisor; Kelli Rindt, Enterprise Fund Accounting Manager

**Date:** November 16, 2017

**Re:** *Award Appleton Wastewater Treatment Iron Salt Room Rehabilitation Project to August Winter & Sons Inc. Construction in the amount of \$398,575 with a 15% contingency of \$59,786 for a project total not to exceed \$458,361*

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**BACKGROUND:**

Phosphorus treatment is a requirement to meet Wisconsin Pollution Discharge Elimination System (WPDES) permit limits for phosphorus. The Appleton Wastewater Treatment Plant (AWWTP) relies upon metal salts (e.g. iron salts) to remove phosphorus from wastewater at strategic points of application within the treatment train. Iron salts in the form of ferric chloride and spent pickle liquor (diluted ferrous sulfate) are the primary chemicals used at this time. These chemicals are corrosive in nature (i.e., acidic) and stored in four 5,000 gallon fiberglass reinforced plastic (FRP) tanks inside the existing F2-Building. The mechanical, electrical, and structural components within the existing chemical storage room were constructed as part of the early 1990's AWWTP upgrades project.

Evidence of significant deterioration has been observed in the FRP tanks, conveyance pipe fittings, and isolated areas of the underlying secondary containment pit liner. This project will rehabilitate the existing chemical storage room after 22 years of continuous use. It will also incorporate improvements to the chemical feed system that will allow for precision chemical dosing necessary to consistently achieve future low-level phosphorus limits.

**PROPOSALS:**

On November 16, 2017 the City reviewed contractor quotes and verified that that all three contractors met submittal requirements. The following table identifies the contractor bids:

Company	Bid Price
August Winter & Sons Inc.	\$398,575
J.F. Ahern	\$406,888
Reeke-Marold-Company	\$430,000

The bid received from August Winter & Sons Inc. was the least cost and within the capital improvement project construction budget (\$500,0000). August Winter & Sons has satisfactorily completed project work for the City of Appleton in the past.

**RECOMMENDATION:**

I am requesting award of the Appleton Wastewater Treatment Iron Salt Room Rehabilitation Project to August Winter & Sons Inc. in the amount of \$398,575 with a 15% contingency of \$59,786 for a project total not to exceed \$458,361.

If you have any questions or require additional information regarding this contract award or project please contact Chris Stempa at 920-832-5945.



# STORMWATER Projects Update

Presented to  
UTILITIES COMMITTEE  
December 12, 2017



# Appleton's Implementation Plan for City-wide Stormwater Management Plan

- 2015
  - Final design/permitting of Northland Pond (Done)
  - Work with Counties to clarify credit
    - Calumet and Winnebago (Done)
    - Outagamie County (In Progress)
  - Evaluate potential Mud Creek project (DONE)
  - Relocate public storm sewer at WWTP to address Illicit Discharge (Done)



## Appleton's Implementation Plan –Con't

- 2016
  - Solicit bids for Northland Pond (Done)
  - Work with WDOT to clarify credit (waiting for DNR/DOT agreement)
- 2017
  - Construct Northland Pond (In Progress)
  - Evaluate possibility of adding private street sweeping contract to supplement City staff (Done)
  - Final Design and Purchase Land for Leona Street Pond (In Progress)



## Appleton's Implementation Plan –Con't

- 2018
  - Construct Leona Street Pond (Moved to 2019)
  - Possibly construct pond with WDOT 441 Project
- 2019
  - Budget for next City-wide plan update
  - Issue RFP for consultant selection
- 2020-2021
  - High Efficiency Street Sweeper Upgrade
  - Update the City-wide Stormwater Management Plan



## NR 216 Permit

- Public Education and Outreach
  - Northeast Wisconsin Stormwater Consortium (NEWSWC)
  - Example: Summer Camp
  - Plan update needed (Done)
- Public Involvement and Participation
  - Tied to Public Education and Outreach
  - Example: April 21, 2018 River Cleanup





## NR 216 Permit

- Illicit Discharge Detection and Elimination
  - On-going field screening (2017 Field Work Done)
  - Ordinance Update (Complete)
- Construction Site Pollution Control
  - Ordinance and Program update (Done)
  - Continue Plan Review and Inspection



## NR 216 Permit

- Post-Construction Stormwater Management
  - Ordinance and Program update (Done)
  - Plan reviews 15 in 2014, 21 in 2015, 28 in 2016, 11 in 2017
- Pollution Prevention
  - 2 requirements added to the new permit
  - Additional reporting required
  - Program to be updated (Done)
  - Updating site specific SWPPP's for MSB, PRFMD, Reid, Whittman, WTP and WWTP (Done)

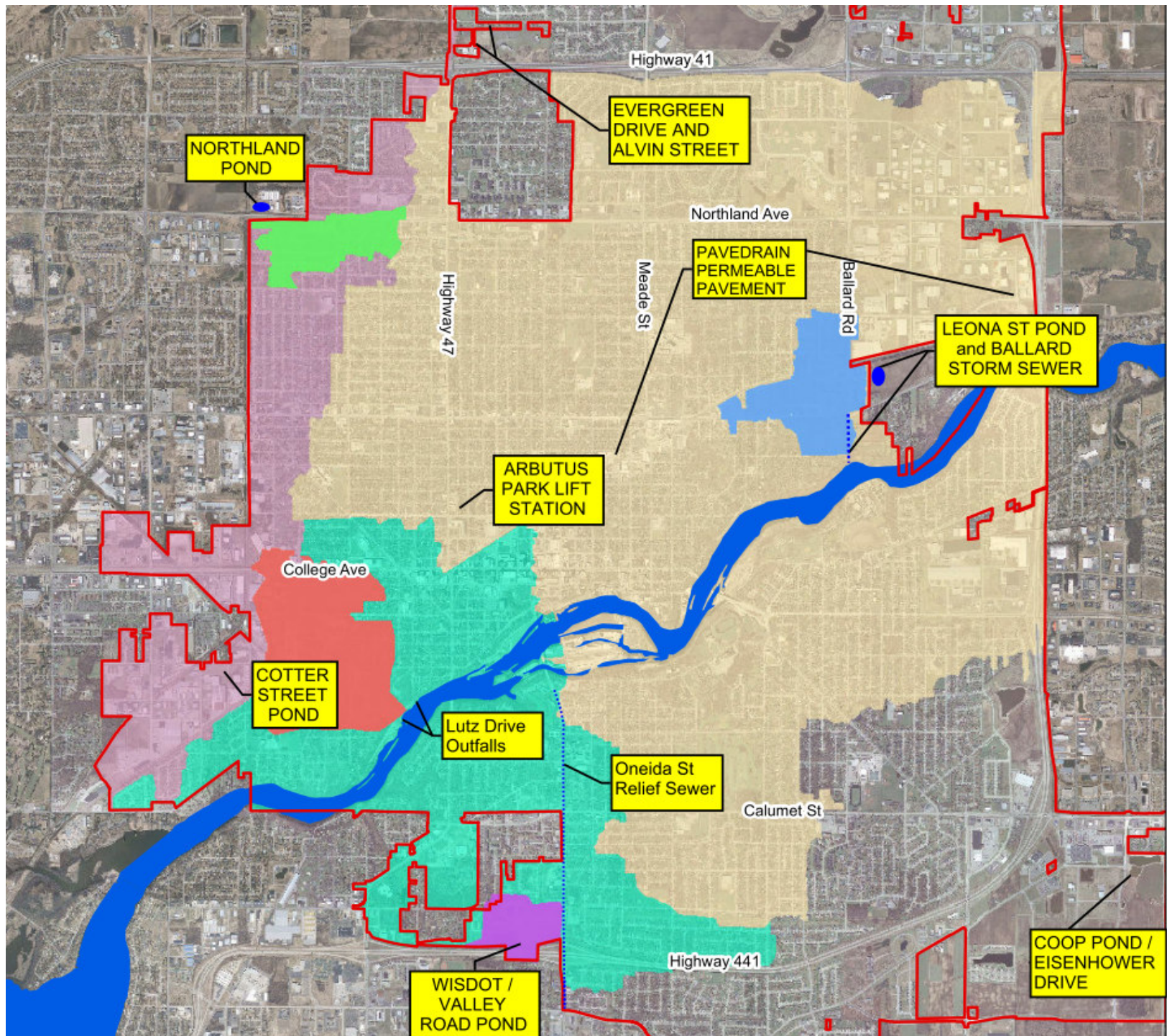


## NR 216 Permit

- Stormwater Quality Management
  - City-wide SWMP update fall 2014
  - Continuing to implement plan
  - Continuing to monitor technical changes
  - Continuing to monitor Lower Fox River TMDL implementation
  - Continuing to monitor development of Upper Fox River TMDL
- Storm Sewer System Map and Annual Report
  - New On-line DNR Annual Report form







## 2017 Capital Projects

- Northland Pond (In Progress)
- Cotter Street Pond (Done)
- Arbutus Park Lift Station (Done)
- WISDOT/Valley Road Pond (Design Done)
- Leona Street Pond/Ballard Road Storm Sewer (In Design)
- PaveDrain Permeable Pavement (Done, Monitoring)
- Spartan Drive Corridor (In Design)
- CTH JJ/Lightning Drive Pond (Nearly Complete)
- Coop Pond/Eisenhower Drive (In Progress)
- Lutz Drive Outfalls (In Progress)
- Oneida Street Relief Sewer (Done)
- Evergreen Drive and Alvin Street (Planning)



# Regulations/Guidance

- Technical Standards
  - Compost for Stormwater Management (Final Oct)
  - Site Evaluation for Stormwater Infiltration (Final Sept)
  - Tracking Pad for Construction Sites (in drafting)
  - Ditch Check (recent public comment period)

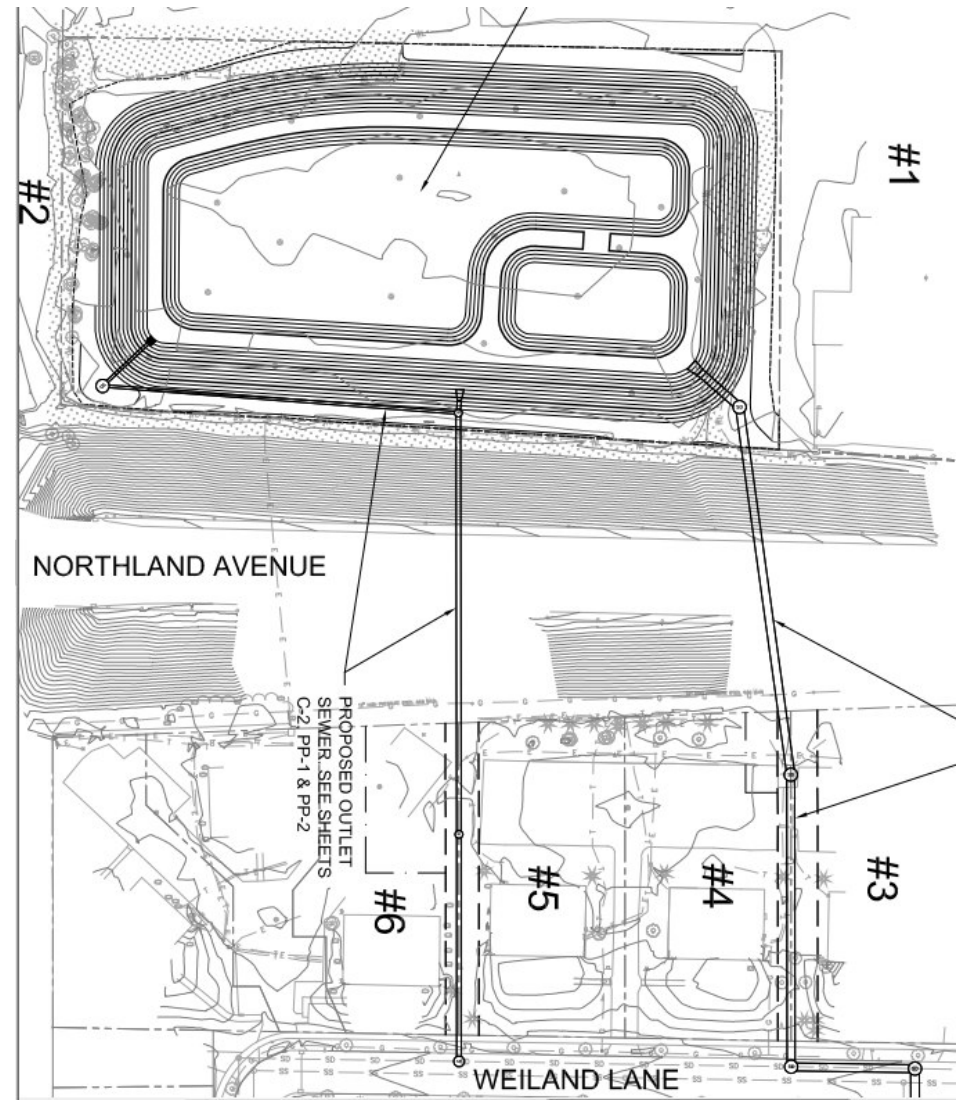
# Regulations/Guidance

- Construction Site Soil Loss Calculations – Final Sept – all projects by Jan 1, 2018
- Public Comment
  - Permit for DOT Construction Sites
  - Urban Stormwater Grants
  - Interim Phosphorus Reduction for Leaf Management
  - Econ Impact Analysis for NR 152



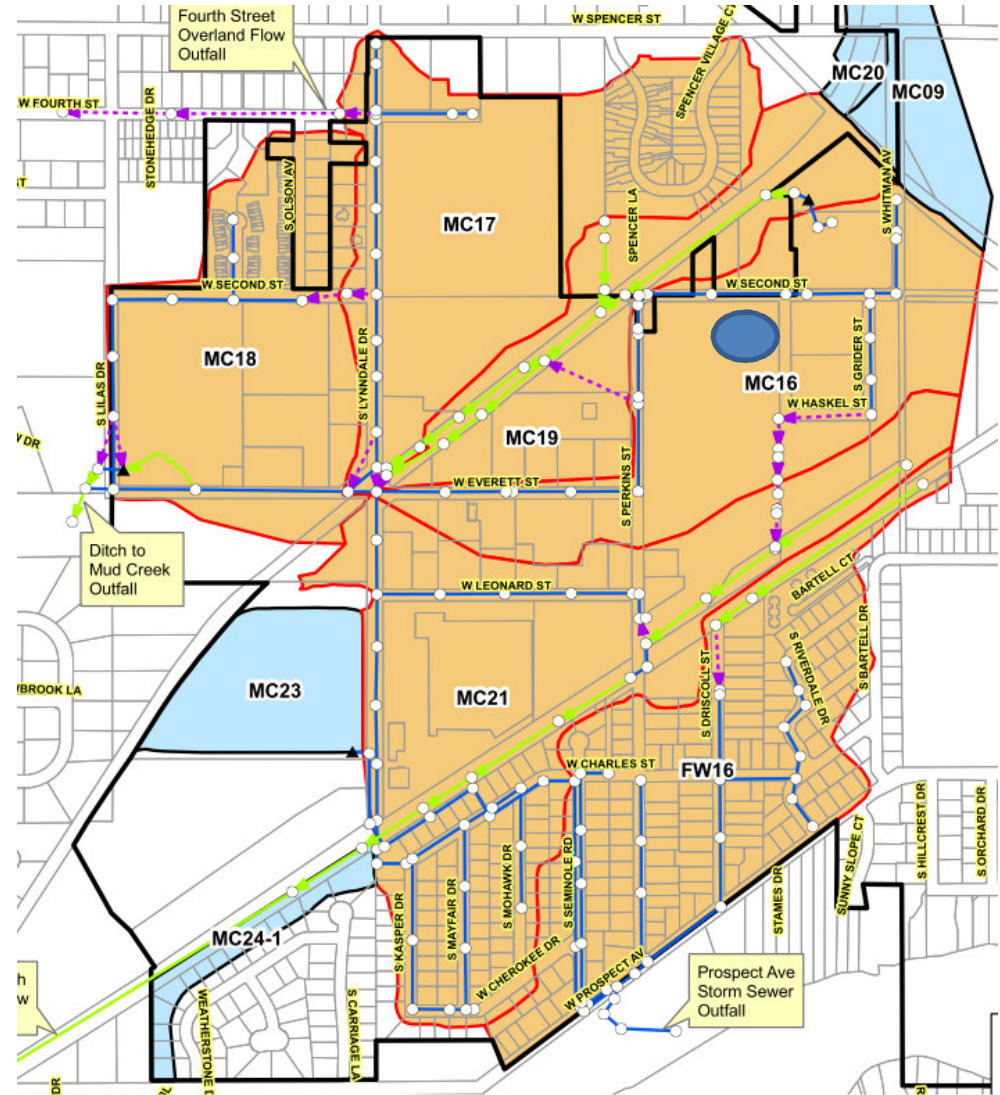
# NORTHLAND POND

- Part of West Wisconsin Ave Study Selected Alternative to reduce flooding west of Mason Street
- Construction began March 20<sup>th</sup>, 2017
- Contractor will continue work in 2017 as weather allows
- Construction completion Spring 2018



# COTTER STREET

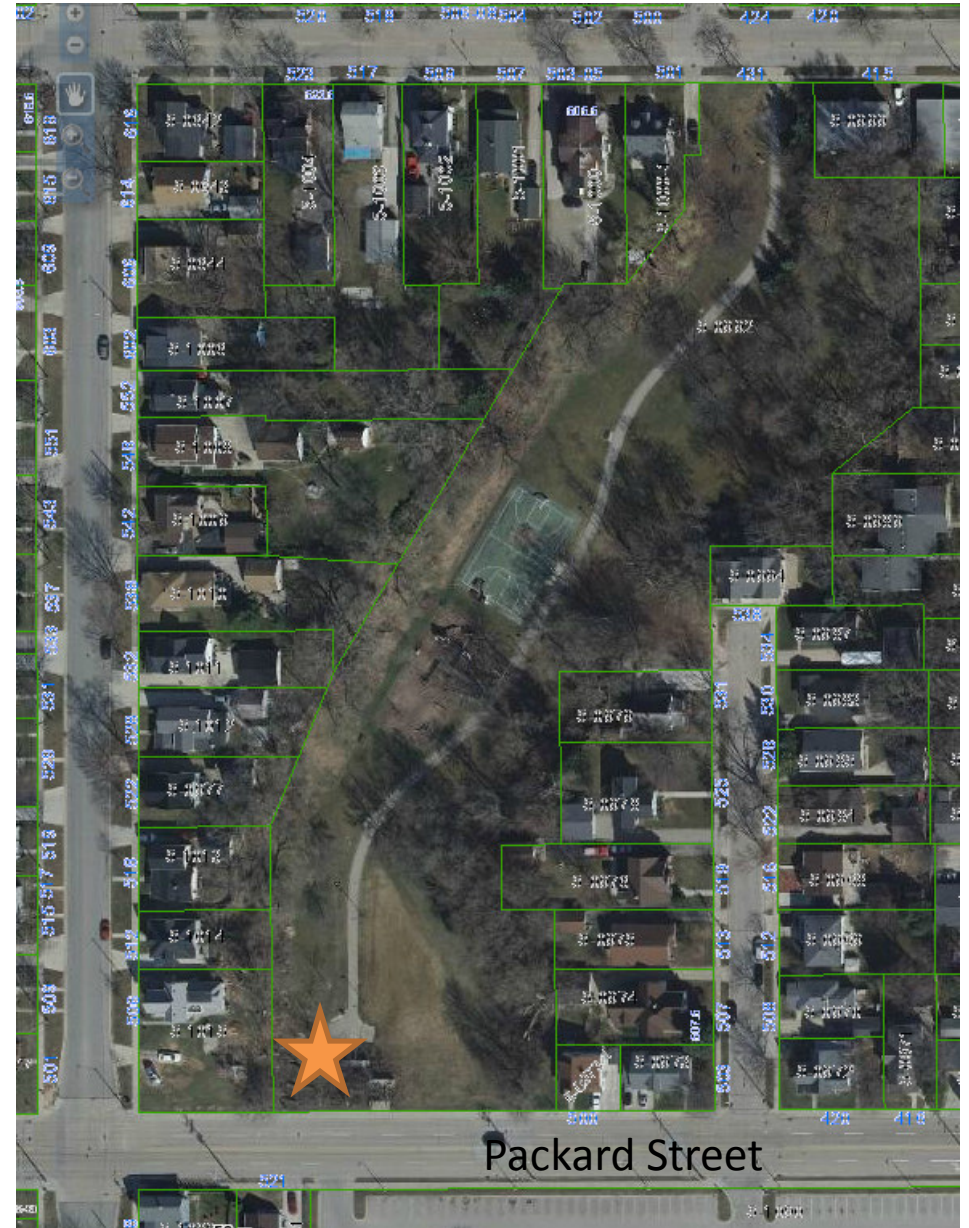
- Wet Pond Alternative approved fall 2016
- Construction complete





# ARBUTUS PARK

- Stormwater Lift Station Rehabilitation
- Construction complete

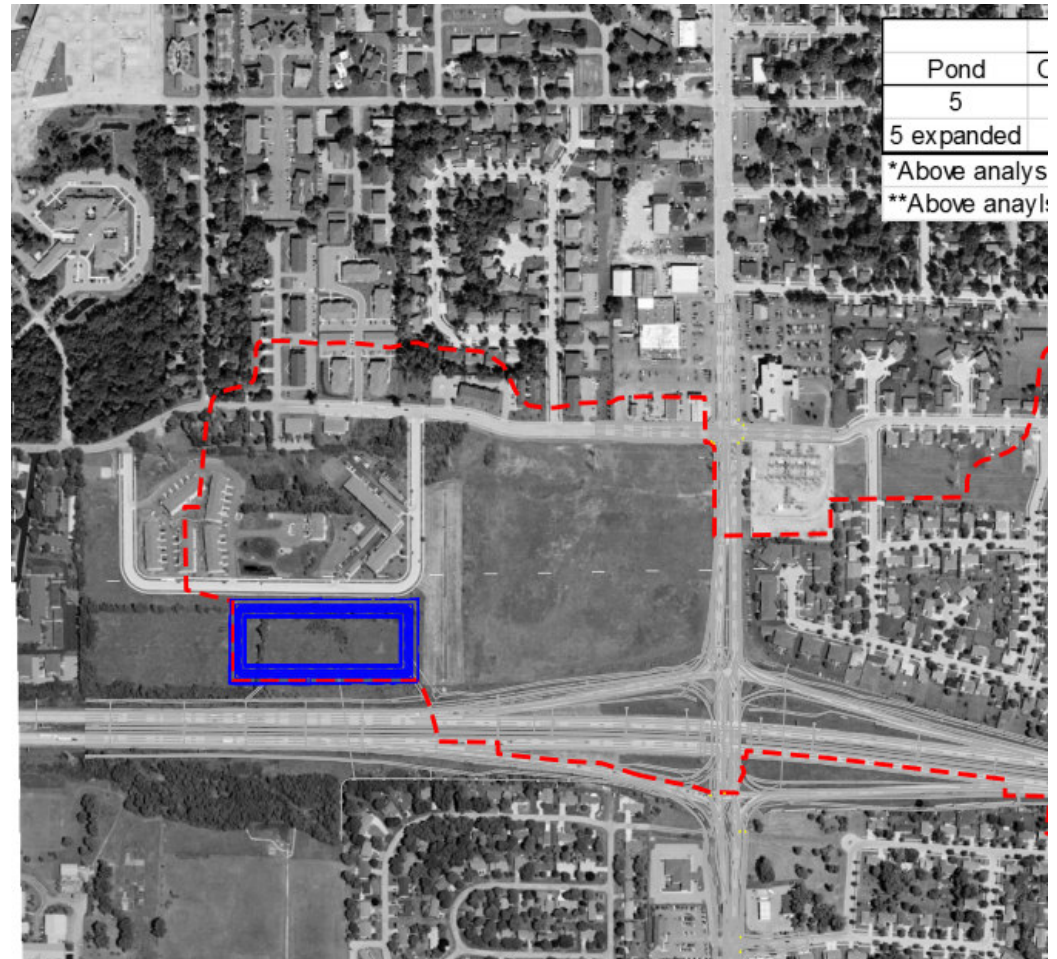


# WisDOT/Valley Road Pond

- DOT- led project to expand pond
- Anticipated 2018-2019

Construction

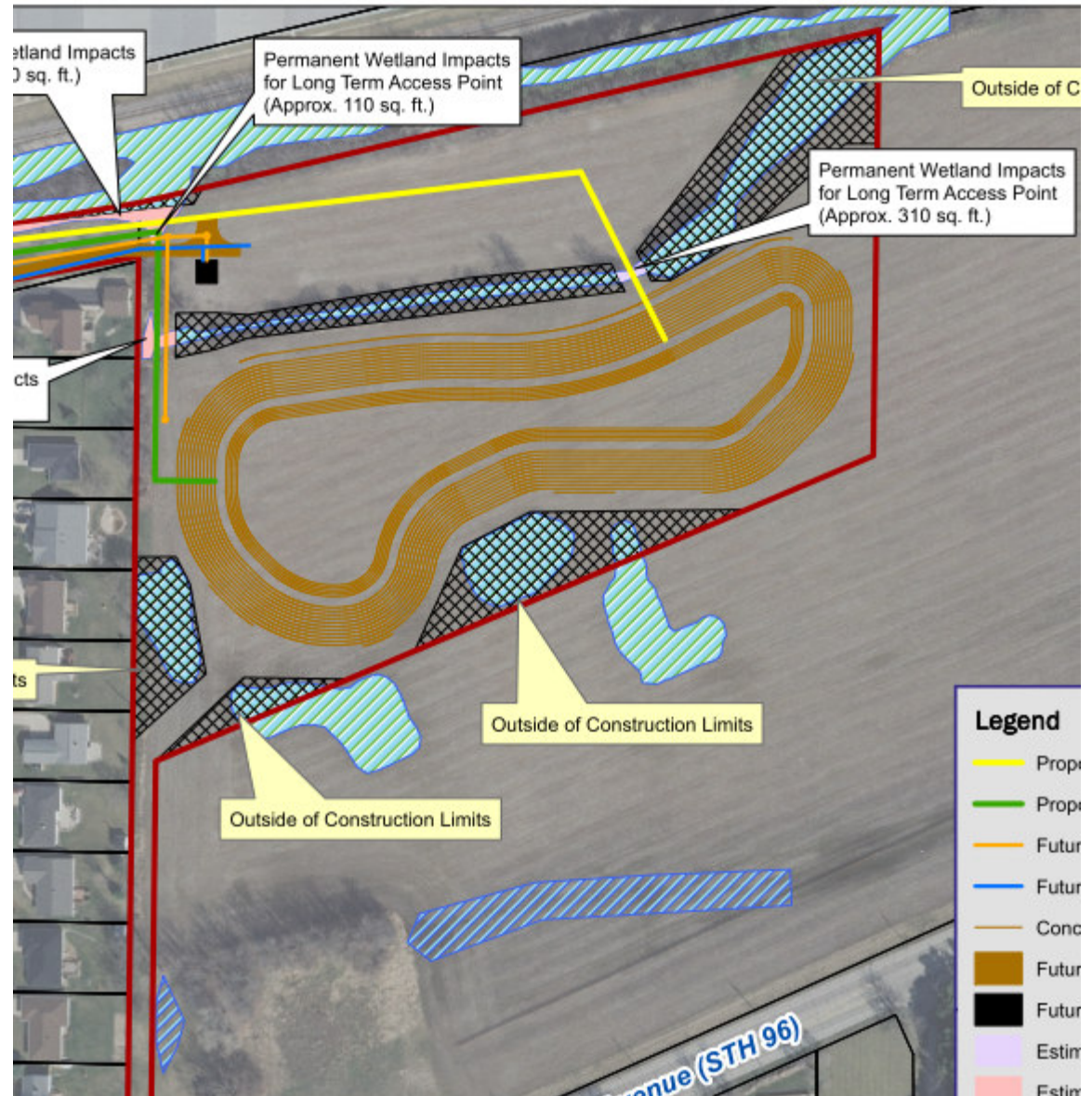
- Agreement Approved  
By Council in November





# Leona Street Pond

- DNR/ACOE Meeting June 2017
- Additional wetland delineation June 2017
- Land Acquisition in Progress
- Permitting in 2018
- Possible Future Enhanced P Removal
- Downstream Ballard Storm Sewer Out for Bids



# PaveDrain Permeable Pavement

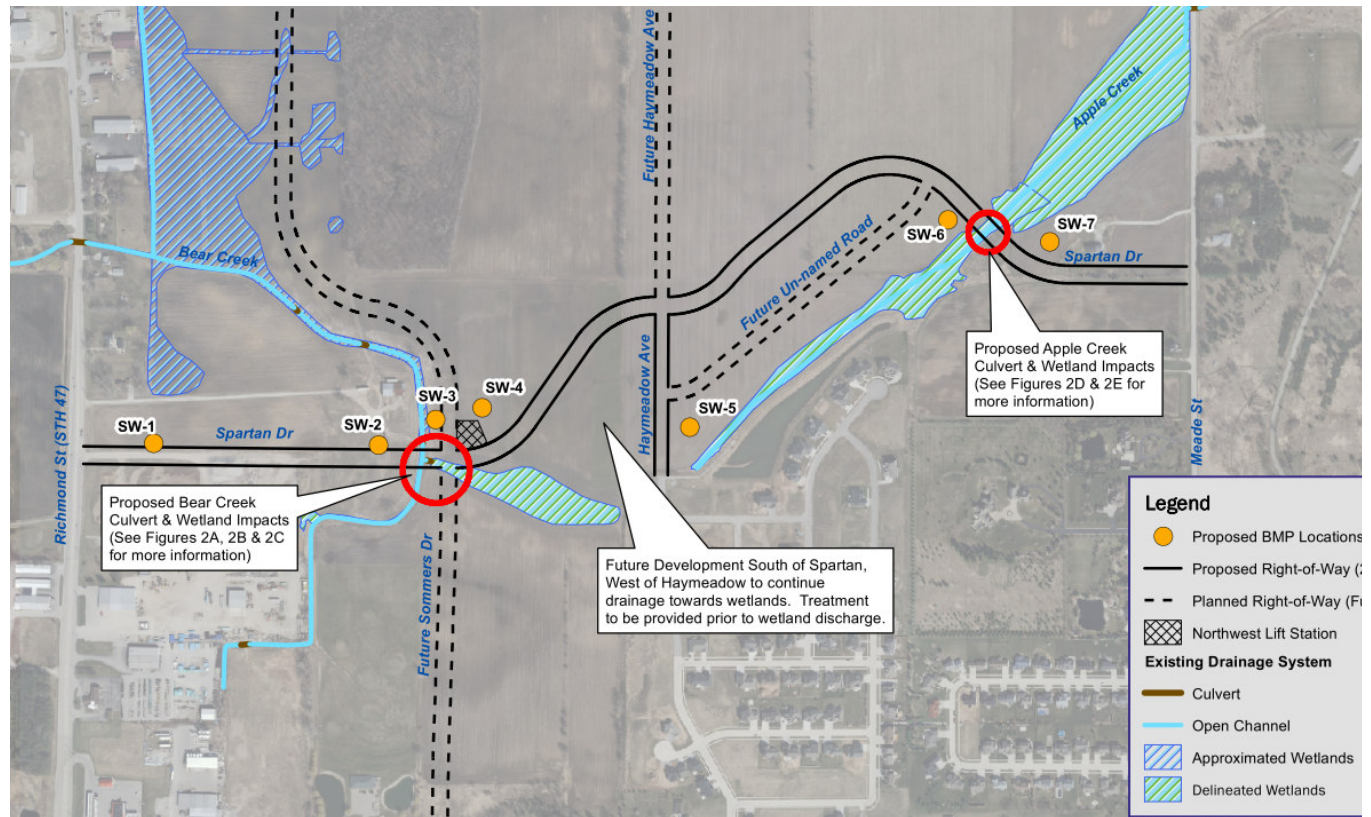
- Pilot Projects at Fire Station #1 (2015) & Sandra St (2016)
- Flood Reduction and Water Quality
- Performance Monitoring is Ongoing





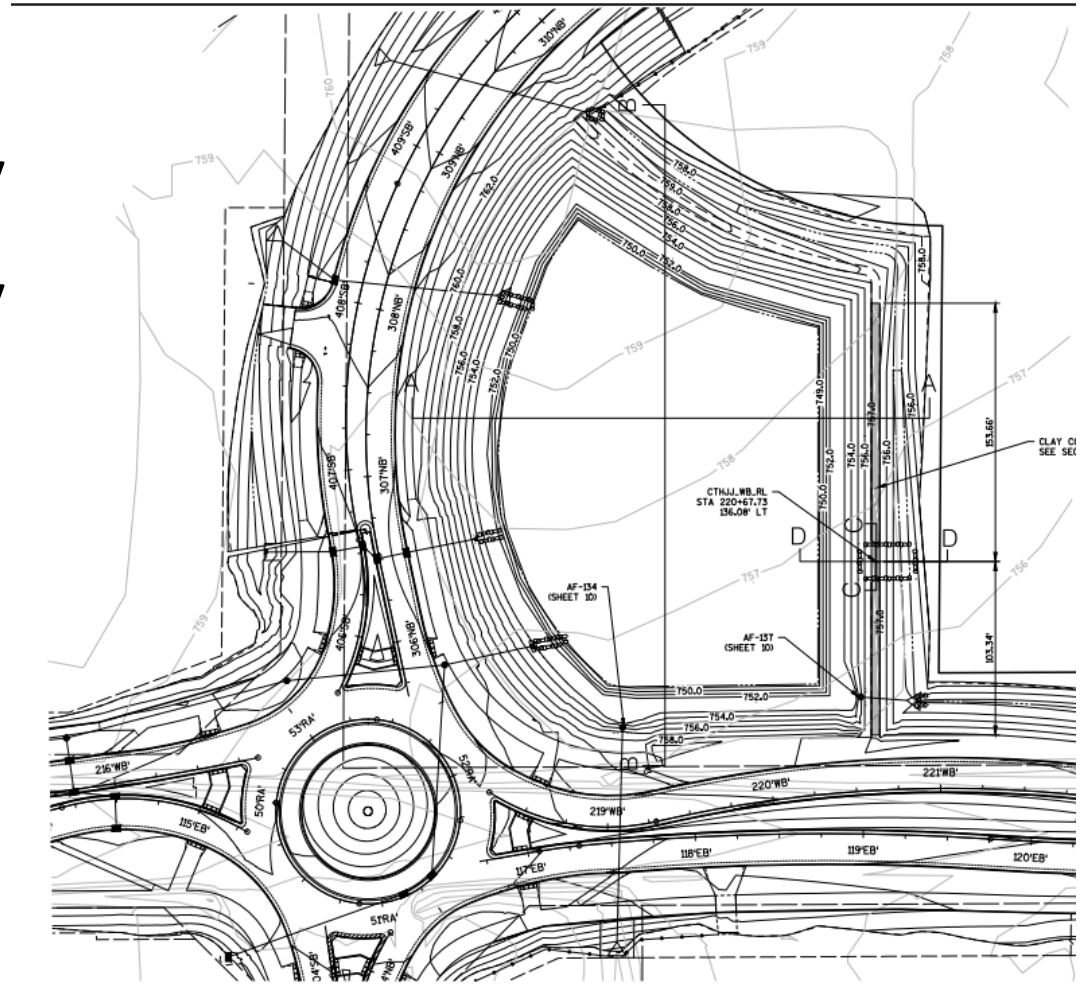
# Spartan Drive

- Discussion with WDOT Regarding STH 47 Connection
- Working on land acquisition
- 60% Design and Permitting in 2018



# CTH JJ/Lightning Drive Pond

- Joint Project with Outagamie County
- Outagamie County constructed in 2017
- Punchlist Items to be addressed in Spring, 2018



# Coop Pond/Eisenhower Dr Sewer

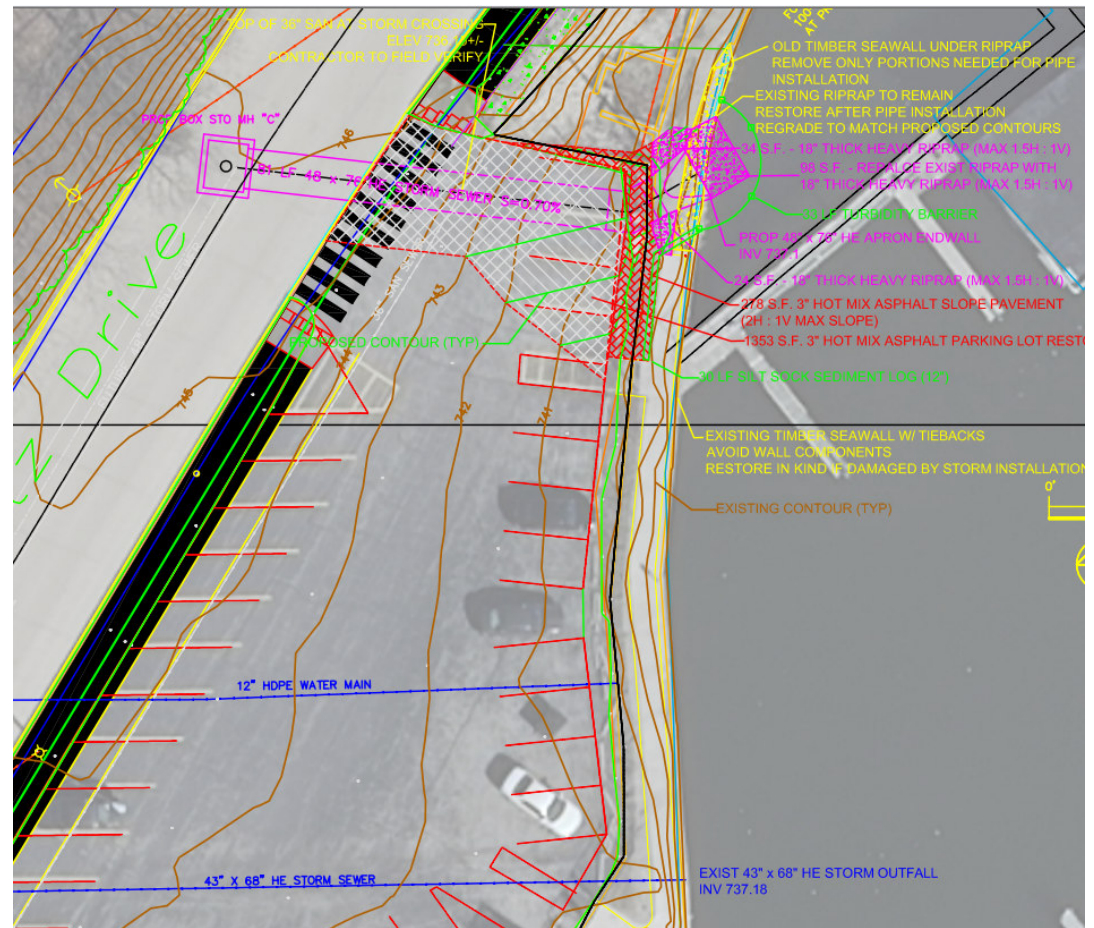
- AECOM evaluated Pond function under current technical standards
- Additional storm sewer done in 2017
- Outlet structure modification RFP issued. Work to be done in 2018





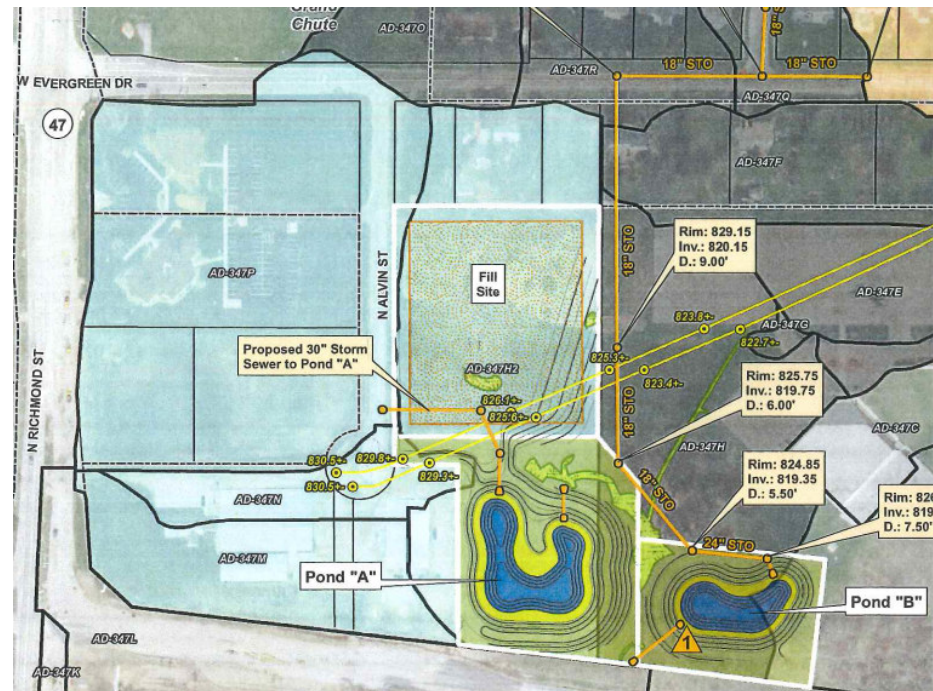
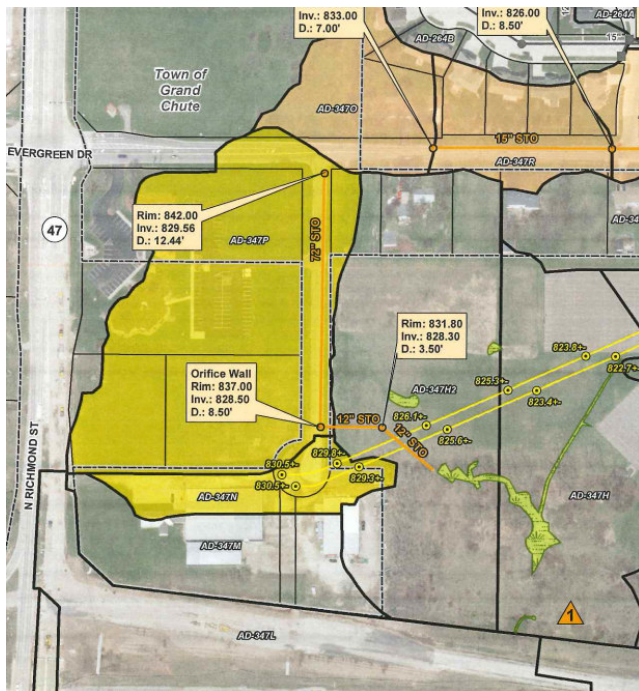
# Lutz Drive Outfalls

- Part of Spencer/Locust Basin Study selected alternative to reduce flooding
- Yacht Club Parking Parking Lot (Done)
- Pierce Ave Started Complete in 2018



# Evergreen Drive / Alvin Street

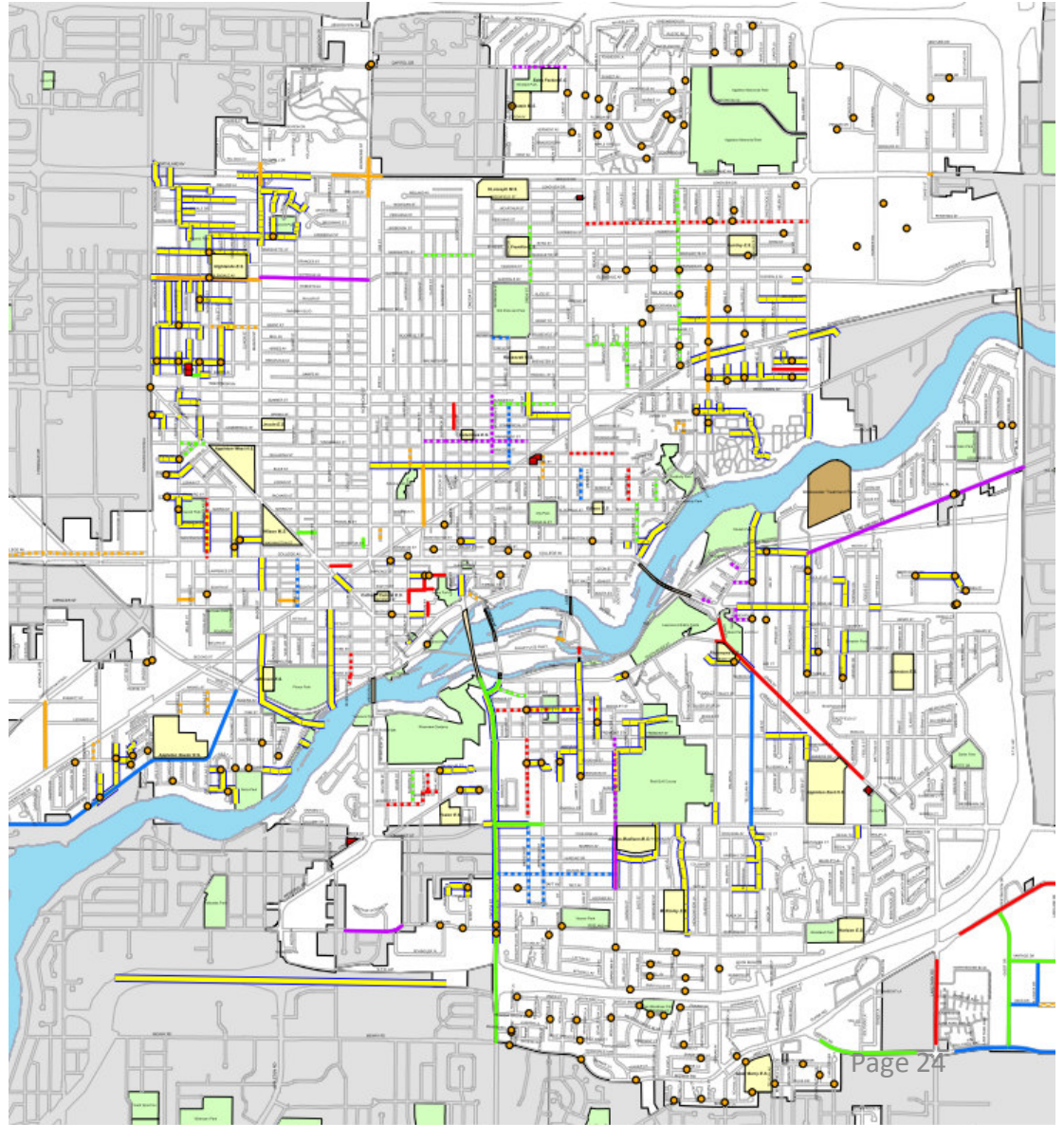
- Joint project with Town of Grand Chute
- Developed Alternatives, Coordinating w/ Church
- Construction Planned for 2018





# Storm Sewer Upgrades

- Pursuing drainage study recommendations
- Coordinating with paving schedule
- 2017: Oneida Street, Calumet Street, Weiland Lane, Linwood Ave, Lutz Drive





**WATER SUMMARY FOR OCTOBER 2017**

<b>Work done by Construction Maintenance</b>				
	<u>Oct 16</u>	<u>Oct 17</u>	<u>YTD 16</u>	<u>YTD 17</u>
Hydrants repaired	16	3	34	53
Hydrants replaced	0	1	4	5
Hydrant leaks	0	0	1	0
Valves replaced	0	0	1	4
Valves tested & inspected	14	79	1407	1967
Valves Rebuilt	4	3	18	30
Valve boxes repaired	3	2	49	48
Curb boxes repaired	16	42	145	194
Curb boxes replaced	0	0	21	2
Lead or galvanized replaced	1	3	19	33
New services 1"	0	0	0	0
New services >1"	0	0	1	0
Water main breaks	5	6	64	58
Joint leaks repaired	0	0	0	1
Water quality	3	3	5	10
Service leaks (City side)	0	0	1	3
<b>Work done by Meter Service Team</b>				
	<u>Oct 16</u>	<u>Oct 17</u>	<u>YTD 16</u>	<u>YTD 17</u>
New accounts set with 3/4" or 1"	0	6	140	57
New accounts set with larger meter	0	1	2	8
Meters tested	817	653	8065	5266
Meters failed	14	10	404	154
Meters stalled	0	2	0	3
Service calls	192	115	1156	1176
Final readings	283	441	3273	3248
Read meters - no reading	0	0	5	0
New meters installed	878	691	8436	5505
Exception meters inspected	0	0	0	0
Exception meters removed	0	0	0	0
Service leaks found	3	2	28	24
Cross connection inspections	813	752	7849	5297

**WATER MAIN BREAK/JOINT LEAK REPORT OCTOBER  
2017**

LOCATION	Work Order	TYPE OF PIPE	SIZE	YEAR	BREAK	ESTIMATED DURATION	ESTIMATED WATER LOSS IN GALLONS	ESTIMATED DOLLAR VALUE OF WATER REVENUE LOSS**
1209 E. Layton Avenue	232050	DIP	8"	1966	1/16" crack	4 hours	60,779	\$369.71
2600 S. Carpenter Street	232399	DIP	8"	1968	1/16" crack	4 hours	60,779	\$369.71
Winslow Avenue/ Roemer Road	232508	DIP	12"	1978	5" hole	2.5 hours	693,538	\$4,218.71
120 S. Summit Street	232550	CIP	8"	1966	1/16" crack	2 days	684,185	\$4,161.82
2915 S. Gladys Avenue	232617	CIP	8"	1966	1/16" crack	6 hours	91,168	\$554.56
Edgemere Drive/ Cambridge Drive	232850	CIP	8"	1967	3" hole	4 hours	364,672	\$2,218.26
								\$0.00
								\$0.00

\*\*Water loss is calculated at the residential rate of \$4.55 per 100 cubic feet.

# **WATER MAIN BREAK/Joint LEAK DATA LOG OCTOBER 2017**

Leak Location	Arterial, Collector, Freeway, Local	Type of Street Concrete/Asphalt	Major Break Minor Break	Catch Basin Draining Yes/No	Date/Time	Comments
1209 E. Layton Avenue	Local	Concrete	Major	Yes 100' away	10/5/2017 1:30 p.m. Thursday	Repaired right away to prevent water loss and property damage.
2600 S. Carpenter Street	Collector	Concrete	Minor	Yes 75' away	10/14/2017 10:00 a.m. Saturday	Repaired right away due to service outage.
Winslow Avenue/ Roemer Road	Local	Concrete	Major	Yes 100' away	10/17/2017 2:00 a.m. Tuesday	Repaired right away to prevent further property damage.
120 S. Summit Street	Local	Asphalt	Minor	Yes 164' away	10/17/2017 1:00 p.m. Tuesday	Throttled down and repaired the next day.
2915 S. Gladys Avenue	Local	Concrete	Major	Yes 75' away	10/21/2017 9:00 a.m. Saturday	Repaired right away due to service outage and property damage.
Edgemere Drive/ Cambridge Drive	Local	Concrete	Major	Yes 100' away	10/27/2017 11:00 p.m. Friday	Repaired right away to prevent water loss and property damage.